

575 GREENWOOD DEVELOPMENT

REEDSPORT, OR 97467



524 Main Street, Suite 2, Oregon City,
Oregon 97045 | 503-659-2205

575 GREENWOOD LLC
PO BOX 2238
WILSONVILLE, OR 97070

575 GREENWOOD
DEVELOPMENT

CIVIL LEGEND

HATCHES & LINE TYPES:	
	NEW CONCRETE PAVING - UNREINFORCED
	NEW CONCRETE PAVING - REINFORCED
	NEW CONCRETE PAVING - THICKENED SECTION
	NEW ASPHALT PAVING
	NEW GRAVEL PAVING
	NEW LANDSCAPING - UNDER SEPARATE COVER
	NEW GRASSY CONVEYANCE CHANNEL
	NEW GRADE BREAK
	EXISTING SANITARY SEWER - GRAVITY
	NEW SANITARY SEWER - GRAVITY
	EXISTING STORM SEWER
	NEW STORM SEWER
	EXISTING SURFACE CONTOUR
	NEW SURFACE CONTOUR
	EXISTING DATA - BURIED
	NEW DATA - BURIED
	EXISTING WATER - POTABLE
	NEW WATER - POTABLE
	EXISTING WATER - FIRE
	NEW WATER - FIRE
	EXISTING FENCING
	NEW FENCING
	EXISTING POWER - OVERHEAD
	EXISTING POWER - BURIED
	NEW POWER - BURIED

SYMBOLS (NEW):	
	GRADE SPOT ELEVATION
	GRADING SLOPE
	CLEANOUT TO GRADE
	CATCH BASIN
	ROOF DRAIN CONNECTION POINT
	STORM SEWER LIFT STATION/PUMP
	DOMED INLINE DRAIN
	FLAT TOP INLINE DRAIN
	BACK WATER VALVE
	POWER TRANSFORMER & VAULT
	WATER METER
	DOUBLE CHECK ASSEMBLY IN VAULT
	FIRE HYDRANT
	PARKING BUMPER
	SIGN
	BICYCLE PARKING SPACE
	MAILBOX

SYMBOLS (EXISTING):	
	GRADE SPOT ELEVATION
	SANITARY SEWER MANHOLE
	SANITARY SEWER CLEANOUT
	CATCH BASIN
	AREA DRAIN
	POWER VAULT
	POWER/UTILITY POLE
	DATA/COMMUNICATIONS RISER
	WATER VALVE
	SITE LIGHT
	TREE - DECIDUOUS

ABBREVIATIONS

APWA	AMERICAN PUBLIC WORKS ASSOCIATION
ASTM	AMERICAN STANDARD TEST METHOD
AWWA	AMERICAN WATER WORKS ASSOCIATION
AC	ASPHALT
AD	AREA DRAIN
BWV	BACK WATER VALVE
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STAIR
CB	CATCH BASIN
CO	CLEANOUT RISER
CONC	CONCRETE
DEQ	DEPARTMENT OF ENVIRONMENTAL QUALITY
D.I.P.	DUCTILE IRON PIPE
DS	DOWNSPOUT
DWG	DRAWING
EPA	ENVIRONMENTAL PROTECTION AGENCY
ESC	EROSION AND SEDIMENT CONTROL
(E)	EXISTING
FFE	FINISHED FLOOR ELEVATION
GC	GENERAL CONTRACTOR
GB	GRADE BREAK
GRD	GROUND
GRVL	GRAVEL
GP	GUTTER PLATE
GUT	GUTTER FLOW LINE
HDPE	HIGH-DENSITY POLYETHYLENE
HMAC	HOT MIX ASPHALT CONCRETE
I.D.	INSIDE DIAMETER
IE	INVERT ELEVATION
LF	LINEAL FEET
ME	MATCH EXISTING
MUTCOD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
NAVD	NORTH AMERICAN VERTICAL DATUM
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
OSSC	OREGON STRUCTURAL SPECIALTY CODE
OFOI	OWNER FURNISHED, OWNER INSTALLED
PPNL	PACIFIC POWER CORP
PG	PERFORMANCE GRADE
PVC	POLYVINYL CHLORIDE
ROW	RIGHT-OF-WAY
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MANHOLE
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
SW	SIDEWALK
TOC	TIME OF CONSTRUCTION
TBC	TOP OF BACK OF CURB
TFC	TOP OF FACE OF CURB
TOS	TOP OF STAIR
TYP	TYPICAL
UPC	UNIFORM PLUMBING CODE
USPS	UNITED STATES POSTAL SERVICE

PROJECT INFORMATION

PROJECT TEAM	
OWNER 575 GREENWOOD, LLC / OPPORTAS, LLC CONTACT: JILL NELSON PO BOX 2238 WILSONVILLE, OR 97070 (503) 706-9291	BUILDING DESIGNER JESSICA HARRIS BEAVERTON, OR 97003 (503) 866-0371
ENGINEER OF RECORD ZACHARY A. STOKES, PE CONTACT: BLAKE DAVIS, PE ZCS ENGINEERING & ARCHITECTURE 524 MAIN STREET, SUITE 2 OREGON CITY, OREGON 97045 (503) 659-2205	GEOTECHNICAL ENGINEER MICHAEL REMBOLDT, PE, GE K & A ENGINEERING, INC. 91051 S WILLAMETTE ST PO BOX 8486 COBURG, OREGON 97408 (541) 684-9399
SURVEYOR JOHN PARIANI, PLS PARIANI LAND SURVEYING 17 S PLATT STREET, SUITE C EAGLE POINT, OR 97524 (541) 890-1131	BUILDING CONTRACTOR NIKKO GARDUNO THUNDERBOLT CONSTRUCTION 370 N WALL STREET COOS BAY, OR 97420 (541) 252-1187
ELECTRICAL PROVIDER ROBIN HICKS CENTRAL LINCOLN PUBLIC UTILITY DEPT 2129 N COAST HWY NEWPORT, OR 97365 (541) 271-8720	DATA PROVIDER TBD

LOT INFORMATION:	
SITE LOCATION:	575 GREENWOOD AVENUE REEDSPORT, OREGON 97467
TAX MAP:	T21S-R12W-S35CB
TAX LOT***:	7000, 7100, 7400, 7500, 7600, 7700
TOTAL LOT ACREAGE:	±0.765 ACRES
ZONING:	COMMERCIAL MIXED-USE

***TAX LOTS BEING COMBINED INTO ONE, AS ILLUSTRATED. LOT
NUMBER TO BE DETERMINED.

ATTENTION:
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
952-001-0090. 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).

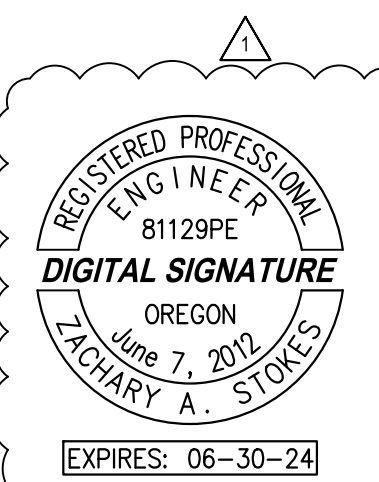
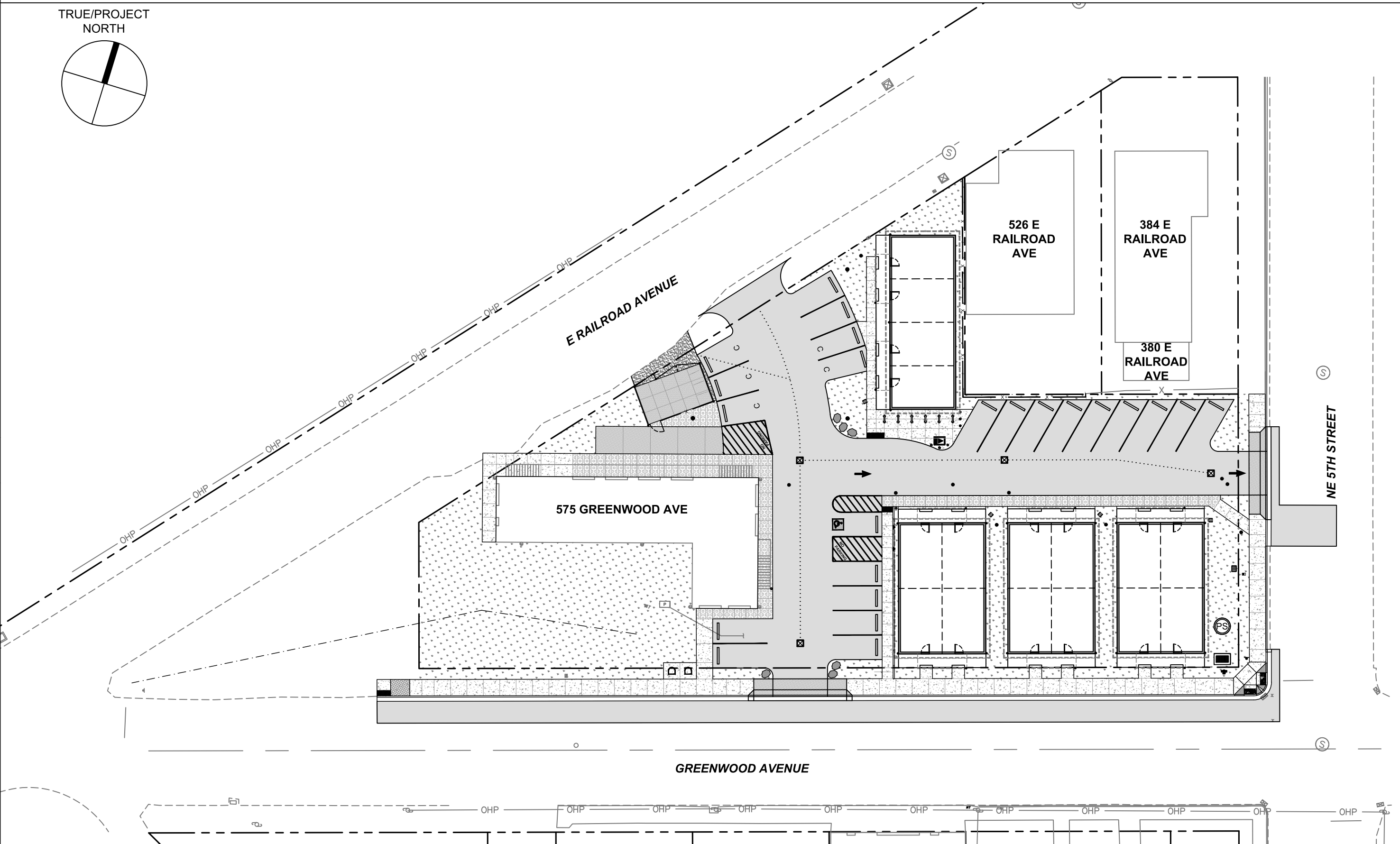
DEFERRED SUBMITTALS

- BUILDING PLANS
- ELECTRICAL PLANS
- DATA PLANS
- IRRIGATION PLANS (AS NEEDED)
- LANDSCAPING PLANS

VICINITY MAP



SITE PLAN



REVISION ID:	DATE:
PERMIT REV 1	06-08-23
PROJECT NO:	G-1488-21
DRAWN:	KKA & LRS
CHECKED:	BJD
DATE:	01-19-23

CIVIL
COVER SHEET

C0.00

ONE INCH EQUALS FULL SCALE

INSPECTION TESTING AND FREQUENCY TABLE		NOTE 1
STREETS, PARKING LOTS, FILLS, ETC.		
SUB-GRADE: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 3
ENGINEERED FILL: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 4
BASEROCK: 1 TEST PER 4,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2 AND 3
ASPHALT: 1 TEST PER 6,000 sqft PER LIFT (4 TESTS MIN.)		NOTE 2
UTILITY TRENCHING		
TRENCH BACKFILL: 1 TEST PER 200 LINEAL FEET PER LIFT (4 TESTS MIN.)		NOTE 2
TRENCH ASPHALT RESTORATION: 1 TEST PER 300 LINEAL FEET PER LIFT (4 TESTS MIN.)		NOTE 2
SITE CONCRETE		
SLUMP, AIR AND CYLINDERS FOR ALL SITE CONCRETE AND PCC PAVEMENTS. UNLESS OTHERWISE SPECIFIED, ONE SET OF CYLINDERS PER 100 CUBIC YARDS (OR PORTION THEREOF) OF CONCRETE POURED PER DAY. SLUMP AND AIR TESTS REQUIRED ON SAME LOAD AS CYLINDERS.		NOTE 2
BUILDING PERMIT INSPECTION AND SPECIAL INSPECTIONS FOR STRUCTURAL CONCRETE, MASONRY, EPOXY ANCHORS, ETC. AS REQUIRED BY PROJECT STRUCTURAL ENGINEER AND CURRENT BUILDING CODES.		NOTE 2
INSPECTION TESTING AND FREQUENCY SPECIAL NOTES		
NOTE 1:	CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ANY AND ALL TESTING, INSPECTIONS, AND SPECIAL INSPECTIONS AS REQUIRED BY PROJECT ENGINEER, CURRENT BUILDING CODES OR JURISDICTIONS HAVING AUTHORITY. ALL TESTING MUST BE COMPLETED AND APPROVED PRIOR TO SUBSEQUENT WORK. ADDITIONAL OR FREQUENT TESTS MAY BE REQUIRED BY AGENCY, BUILDING OFFICIAL, OR ENGINEER.	
NOTE 2:	TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY RETAINED BY THE OWNER.	
NOTE 3:	IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUB-GRADE AND BASE ROCK SHALL BE PROOF-ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RE-COMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. BASEROCK PROOF-ROLL SHALL TAKE PLACE WITHIN 24 HOURS PRIOR TO PAYING AND SHALL BE WITNESSED BY THE ENGINEER OR GOVERNING AGENCY (LOCATION DEPENDENT).	
NOTE 4:	THE APPROVED INDEPENDENT LABORATORY SHALL PROVIDE CERTIFICATION (STAMPED BY A ENGINEER LICENSED IN THE STATE OF OREGON) THAT THE SUB-GRADE WAS PREPARED AND ALL ENGINEERED FILLS WERE PLACED IN ACCORDANCE WITH THE CONTRACT DRAWINGS AND DOCUMENTS.	

THE ABOVE TESTING REGIMEN IS RECOMMENDED BY ZCS. THE TESTING RECOMMENDATIONS AND REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER MAY SUPERSEDE THESE TESTING RECOMMENDATIONS. CONTRACTOR TO COORDINATE FINAL TESTING REQUIREMENTS WITH OWNER, PROJECT GEOTECHNICAL ENGINEER, AND CIVIL ENGINEER.

EROSION CONTROL NOTE:

DRAWINGS C10.00 THROUGH C10.11 CONTAIN AN EROSION AND SEDIMENT CONTROL PLAN THAT MUST BE IMPLEMENTED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE INFORMATION CONTAINED WITHIN THE REFERENCED DRAWINGS SHALL BE CONSIDERED A MINIMUM AND SHALL BE MODIFIED AS REQUIRED BY THE CONTRACTOR AND CITY/COUNTY/AGENCY INSPECTOR, TO CONTAIN ALL SEDIMENT ON SITE. SPECIAL ATTENTION SHALL BE TAKEN AT ALL EXISTING STORM DRAIN CATCH BASINS AND STORM DRAIN CHANNELS AS TO ELIMINATE ANY SEDIMENT TRANSFER INTO THE EXISTING STORM DRAIN SYSTEM.

AN ALL WEATHER ROCK SURFACE SHALL BE PROVIDED AT ALL CONSTRUCTION SITE ENTRANCES. CONTRACTOR MAY ELECT TO USE EXISTING GRAVEL PAVING, AC PAVING, ETC. (IF ACCEPTABLE TO CITY/COUNTY/AGENCY INSPECTOR). ALL CONSTRUCTION SHALL BE MAINTAINED WITHIN THE DEVELOPMENT LIMITS OF THIS PHASE. REFER TO DRAWINGS C10.00 THROUGH C10.11 FOR ADDITIONAL INFORMATION.

UTILITY STATEMENT:

EXISTING UNDERGROUND UTILITIES ILLUSTRATED IN THESE PLANS ARE APPROXIMATED BASED ON MAPS OBTAINED FROM THE CITY OF OR HAVE BEEN LOCATED BY A UTILITY LOCATE COMPANY. LAYOUT INDICATED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL LINES WITHIN PROJECTED WORK ZONE SHALL BE FIELD VERIFIED AS REQUIRED PRIOR TO CONSTRUCTION.

RESTORATION STATEMENT:

CONTRACTOR SHALL RESTORE BACK TO ORIGINAL CONDITION, PRIOR TO CONTRACT COMPLETION, ALL DISTURBED SURFACES IMPACTED DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION ACCESS, SIDEWALKS, CURBS, ASPHALT, LAWN AND LANDSCAPE AREAS, ETC. DISTURBED AREAS TO BE GRADED SMOOTH AND ADEQUATELY SLOPED TO DRAIN. AREA SHALL BE CLEAN AND FINISH GRADED BEFORE FINAL DEMOBILIZATION. COORDINATE WITH ENGINEER AND OWNER AT THE TIME OF PROJECT CONSTRUCTION COMPLETION.

GENERAL CIVIL NOTES:

- ALL WORK AND MATERIALS SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT OREGON PLUMBING SPECIALTY CODE, AND ALL APPLICABLE STATE, CITY, AND COUNTY REGULATIONS AND STANDARDS. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS.
- ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE GOVERNING AGENCY'S INSPECTOR AND SHALL CONFORM TO THAT AGENCY'S CURRENT ENGINEERING STANDARD SPECIFICATIONS AND DETAILS.
- THE GENERAL CONTRACTOR AND ALL THEIR AFFILIATES SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
- ALL CONSTRUCTION STAKING, GRADE SURVEYING, AND HORIZONTAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON; COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.
- ALL EXISTING UTILITIES IDENTIFIED IN THIS PLAN SET ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION. CALL THE "OREGON UTILITY NOTIFICATION CENTER" AT 1-800-332-2344 TO LOCATE EXISTING UTILITIES, 48 HOURS BEFORE DIGGING.
- CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING WORK.
- ALL EXCAVATION, TRENCH BACK FILL, PARKING LOT/ROAD SUB-GRADE, FLAT WORK SUB-GRADE, COMPACTION REQUIREMENTS, ETC. SHALL BE AS NOTED IN THE SITE PREPARATION NOTES AND/OR THE PROJECT GEOTECHNICAL REPORT.
- ALL BASE ROCK PLACED UNDER PAVEMENT AND IN UTILITY TRENCHES SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE PAVEMENT AND ITS PLACEMENT SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- ALL SITE CONCRETE SHALL BE f'c = 3,500 psi @ 28 DAYS, 6% ENTRAINED AIR, 4" SLUMP (UNLESS NOTED OTHERWISE).
- ALL UTILITY SERVICES SHALL BE INSTALLED PER THE RESPECTIVE UTILITY CODES AND STANDARDS.
- ALL UTILITIES SHALL HAVE A MINIMUM COVER AS IDENTIFIED IN THE PLAN SET OR AS OTHERWISE SPECIFIED BY THE RESPECTIVE UTILITY COMPANY.
- ALL SERVICES SHALL BE ADEQUATELY MARKED AS TO IDENTIFY THE SIZE, TYPE, AND DEPTH OF THE SERVICE. CONTRACTOR TO PROVIDE LOCATE WIRE/TAPE AS REQUIRED BY THE APPLICABLE AGENCIES.
- ALL UNDERGROUND UTILITIES AND SERVICE LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS AND GUTTERS. CONTRACTOR SHALL STAMP CURBS OR SIDEWALKS (AS APPLICABLE) TO MARK THE LOCATIONS OF ALL SERVICE LINES (S - SANITARY, W - WATER, D - STORM DRAIN, G - GAS).
- ALL SERVICES AND SLEEVES SHALL BE PLUGGED AS REQUIRED TO ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
- POWER, TELEPHONE, CABLE, AND DATA LINES SHALL BE INSTALLED BASED ON THE PLANS AND SPECIFICATIONS PROVIDED BY THE APPLICABLE UTILITY COMPANIES. APPROXIMATE UTILITY LOCATIONS HAVE BEEN PROVIDED ON THIS PLAN SET AS A REFERENCE. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS, CONDUIT INSTALLATIONS, BEDDING, BACKFILLING, AND INSPECTION REQUIREMENTS WITH THE APPROPRIATE UTILITY REPRESENTATIVES.
- CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AN AS-BUILT DRAWING OF ALL UTILITY SERVICE INSTALLATIONS INCLUDING THE SERVICE SIZE, TYPE, DEPTH OF MAIN, TYPE OF CONNECTION AT MAIN, INSTALLATION DATE, LOCATION, AND SKETCH (AS APPLICABLE).
- CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. COORDINATE WITH THE ENGINEER PRIOR TO CONSTRUCTION TO IDENTIFY PERMIT REQUIREMENTS.
- ALL ON-SITE DOMESTIC WATER LINES SHALL BE SCHEDULE 40 PVC WATER PIPE CONFORMING TO ASTM D 1785 WITH SOLVENT-CEMENTED JOINTS. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES.
- ALL SANITARY SEWER WASTE LINES SHOWN OUTSIDE THE BUILDING FOOTPRINT SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D 3034 - SDR 35 WITH GASKET JOINTS. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES. TRANSITION TO SOLVENT WELD SCHEDULE 40 PVC WITH MANUFACTURED FITTINGS AS NECESSARY TO MEET OPSC REQUIREMENTS.
- SANITARY LINES SHALL BE REQUIRED TO PASS A LOW PRESSURE AIR TEST OR WATER TEST CONFORMING TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND UNIFORM PLUMBING CODE SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE. ALL PARTS OF THE SYSTEM SHALL BE CLEANED PRIOR TO TESTING AND FINAL ACCEPTANCE. THE CONTRACTOR SHALL NOT ALLOW ANY FOREIGN MATERIAL TO ENTER THE EXISTING SYSTEM. THE CONTRACTOR SHALL PROVIDE THE REQUIRED PERSONNEL AND MATERIALS TO PERFORM THE ABOVE TESTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH DOCUMENTATION OF THE TEST RESULTS FOR APPROVAL.
- EXISTING SEWER SERVICES MUST BE TV INSPECTED AND APPROVED BY THE APPLICABLE AGENCY PRIOR TO THEIR REUSE. IF DEFICIENCIES IN THE SERVICE LINES/CONNECTIONS ARE DISCOVERED DURING THE INSPECTION, THEY MUST BE CORRECTED BASED ON THE APPLICABLE AGENCY STANDARDS.
- STORM COLLECTION SYSTEM IS DESIGNED FOR WATER TIGHT COMPONENTS.
- ALL STORM PIPE IDENTIFIED AS 'PVC' SHALL BE ASTM D 3034 - SDR 35, UNLESS WITHIN 5' OF THE BUILDING FOOTPRINT OR UNLESS NOTED OTHERWISE. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES. TRANSITION TO SOLVENT WELD SCHEDULE 40 PVC WITH MANUFACTURED FITTINGS AS NECESSARY TO MEET OPSC REQUIREMENTS.
- ALL STORM COLLECTION SYSTEM CONNECTIONS AND COMPONENTS SHALL CONFORM TO PIPE MANUFACTURER REQUIREMENTS. CONTRACTOR TO COORDINATE FINAL STORM SYSTEM LAYOUT WITH ENGINEER AND STORM SYSTEM SUPPLIER PRIOR AT TIME OF CONSTRUCTION. STORM SYSTEM COMPONENT SHOP DRAWINGS SHALL BE PROVIDED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.

GENERAL CIVIL NOTES (CONTINUED):

- ALL CATCH BASINS SHALL BE AS IDENTIFIED ON PLAN SET. ALL STORM SYSTEM CATCH BASINS SHALL BE PROVIDED WITH A MINIMUM 24" SETTLEMENT SUMP BELOW THE LOWEST PIPE INVERT (UNLESS NOTED OTHERWISE) AND A POLLUTION CONTROL HOOD AND TRAP SYSTEM. REFER TO PLAN SET FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL PROVIDE ENGINEER WITH SHOP DRAWING SUBMITTALS ON ALL PERMANENTLY INSTALLED MANUFACTURED ITEMS.
- ALL UNDERGROUND PIPING, CONDUIT AND OTHER UTILITIES SHALL BE INSTALLED PER ZCS DETAIL CALLOUT (OR AS OTHERWISE SPECIFIED BY PIPE MANUFACTURER). NOTIFY ENGINEER IN EVENT OF DISCREPANCIES.
- ALL TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC SHALL BE BY THE CONTRACTOR AND CONFORM WITH BOTH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE ODOT MANUAL ON SHORT TERM TRAFFIC CONTROL. (AS APPLICABLE).
- LANDSCAPED AREAS AND IRRIGATION SYSTEM SHALL BE PER LANDSCAPING PLANS, WHICH ARE NOT A PART OF THIS PLAN SET.
- HOLD SUB-GRADE ELEVATIONS DOWN 6" WITHIN LANDSCAPE AREAS RECEIVING GROUND COVER AND/OR LAWN. REFER TO LANDSCAPE NOTES FOR ADDITIONAL INFORMATION PERTAINING TO TOP SOIL REQUIREMENTS.
- ALL PAINTED MARKINGS SHALL BE INSTALLED WITH FAST DRYING TRAFFIC LINE PAINT APPLIED IN TWO SEPARATE APPLICATIONS PER THE OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- SAND SEAL AND TACK ALL CUT ASPHALT EDGES WHEN PLACING NEW ASPHALT ADJACENT TO EXISTING ASPHALT.
- SEE PLAN SET FOR ADDITIONAL INFORMATION.

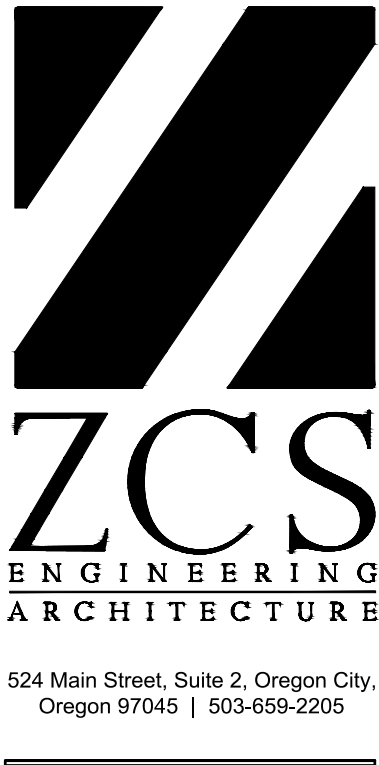
SITE PREPARATION NOTES:

CLEARING AND GRUBBING -

- REFER TO STRUCTURAL (FOUNDATION) PLANS FOR SPECIFIC SOIL EXCAVATION AND BACKFILL REQUIREMENTS WITHIN BUILDING FOOTPRINT.
- ALL AREAS BELOW ROADWAYS, PARKING AREAS, AND WALKWAYS SHALL BE CLEARED AND GRUBBED OF ALL PAVEMENT, FOREIGN MATTER, DEBRIS, ORGANIC AND DISTURBED MATERIAL. (U.N.O.) STRIPPING DEPTHS WILL VARY DEPENDING ON LOCATION AND PAVEMENT SECTION REQUIREMENTS. ALL EXPOSED MATERIAL SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM PRIOR TO PLACEMENT OF FILL MATERIAL DESCRIBED BELOW.
- ALL CLEARED AND GRUBBED MATERIAL NOT UTILIZED FOR THE PROJECT SHALL BE REMOVED FROM THE CONSTRUCTION SITE. CONTRACTOR SHALL COORDINATE APPROVED DISPOSAL LOCATION.
- ALL AREAS WITH ABANDONED UTILITY LINES, STORM DRAINS, UNDERGROUND TANKS, ETC. WHICH PROVIDE VOID SPACE BENEATH THE SURFACE SHALL BE LOCATED AND REMOVED PRIOR TO GRADING ACTIVITIES.
- ALL HOLES, DEPRESSIONS, AND UNDISTURBED NATIVE MATERIAL SHALL BE CLEARED OF ALL LOOSE AND ORGANIC MATERIAL PRIOR TO BACKFILLING WITH APPROVED STRUCTURAL FILL.
- AFTER CLEARING THE ABOVE MENTIONED AREAS, ALL EXPOSED SUB-GRADE SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RECOMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. GEOTECHNICAL ENGINEER OF RECORD SHALL APPROVE SUB-GRADE SURFACE PRIOR TO STRUCTURAL FILL IMPORT EXPLAINED BELOW.

STRUCTURAL FILL PLACEMENT AND COMPACTION -

- APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREAS RECEIVING ASPHALT AND/OR CONCRETE PAVEMENT.
- ALL VEHICULAR TRAFFIC AREAS RECEIVING ASPHALT AND/OR CONCRETE SHALL BE PROVIDED WITH AN APPROVED WOVEN GEOTEXTILE FABRIC APPLIED DIRECTLY OVER THE SUB-GRADE DESCRIBED ABOVE. SEE PLAN SET FOR ADDITIONAL DETAILS.
- STRUCTURAL FILL MATERIALS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER ENGINEER OF RECORD PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK SHALL CONFORM TO THE SPECIFICATIONS IDENTIFIED IN THE PLAN SET.
- STRUCTURAL FILL PLACEMENT LIFTS TO BE DETERMINED BY THE GEOTECHNICAL ENGINEER OF RECORD BASED ON MATERIAL PROPERTIES AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 12". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ASTM D698. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.
- IN ADDITION TO THE NOTES ABOVE, ALL SITE PREPARATION AND SUBSURFACE WORK SHALL CONFORM TO THE PROJECT GEOTECHNICAL INVESTIGATION REPORT AS PREPARED BY K & A ENGINEERING, DATED 06/22/22.



575 GREENWOOD LLC
PO BOX 2238
WILSONVILLE, OR 97070

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REVISION ID:	DATE:
PERMIT RVW 1	06-08-23
PROJECT NO:	G-1488-21
DRAWN:	KKA & LRS
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DEMOLITION LEGEND:

- EXISTING STRUCTURE TO BE REMOVED
- EXISTING ASPHALT PAVING TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED
- EXISTING CURB TO BE REMOVED
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY TO BE REMOVED
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)
- EXISTING STRUCTURE TO REMAIN
- EXISTING STRUCTURE TO BE REMOVED

DEMOLITION AND PROTECTION NOTES:

GENERAL DEMOLITION AND PROTECTION NOTES:

*** CONTRACTOR SHALL FIELD VERIFY LIMITS OF DEMOLITION AND ADJUST AS REQUIRED.

*** PROVIDE SMOOTH VERTICAL SAWCUTS AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE REMOVAL.

*** UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.

*** CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.

*** CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.

*** WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.

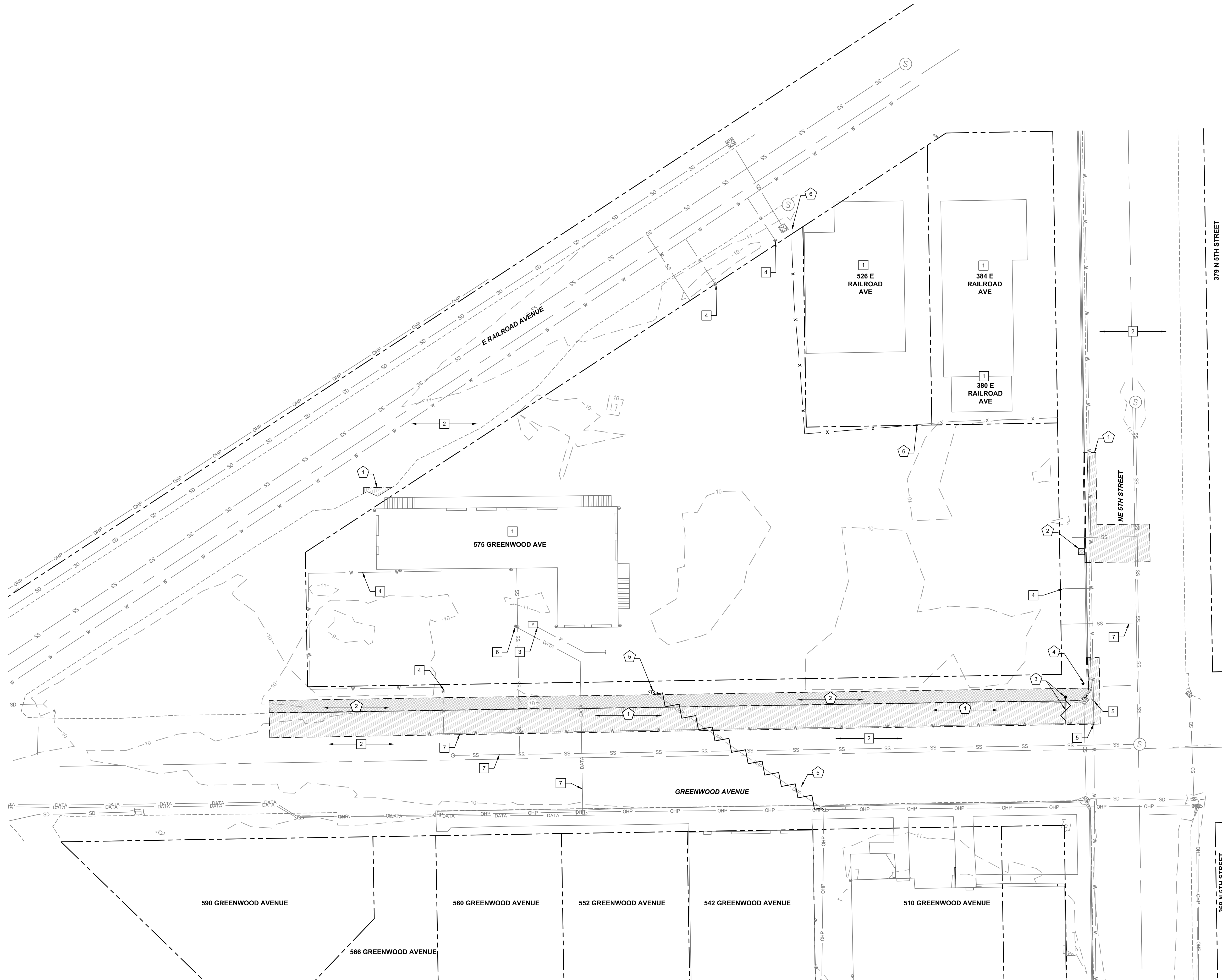
*** CONTRACTOR TO RECYCLE DEMOLISHED MATERIALS WHERE FEASIBLE.

DEMOLITION NOTES:

- ASPHALT PAVEMENT TO BE REMOVED.
- CONCRETE SIDEWALK TO BE REMOVED.
- FIRE HYDRANT AND ASSOCIATED WATER LATERAL TO BE REMOVED AND REPLACED. COORDINATE REMOVAL WITH CITY OF REEDSPORT PUBLIC WORKS AND PROJECT ENGINEER.
- STOP SIGN AND STREET NAME SIGNS ON SIGN POST TO BE REMOVED AND SALVAGED FOR REUSE IF FEASIBLE.
- 'ZIPLY' UTILITY POLE AND ASSOCIATED OVERHEAD COMMUNICATIONS LINE TO BE REMOVED TO FACILITATE CONSTRUCTION OF NEW DRIVEWAY CONNECTION. CONTRACTOR TO COORDINATE TIMING AND DETAILS OF REMOVAL WITH 'ZIPLY'.
- EXISTING FENCE AND GATE(S) TO BE REMOVED. APPROXIMATE LIMITS INDICATED BETWEEN KEYED NOTES. CONTRACTOR TO COORDINATE TIMING OF REMOVAL AND REPLACEMENT WITH ADJACENT PROPERTY OWNER.
- SANITARY SEWER SERVICE LINE TO BE REMOVED TO THE MAIN. CONTRACTOR TO PLUG AND SEAL THE EXISTING WYE AT THE MAIN. CONTRACTOR TO COORDINATE INSPECTION OF THE REMOVAL AND SEAL WITH THE CITY OF REEDSPORT PUBLIC WORKS DEPARTMENT. COORDINATE WITH CIVIL ENGINEER AS NECESSARY.

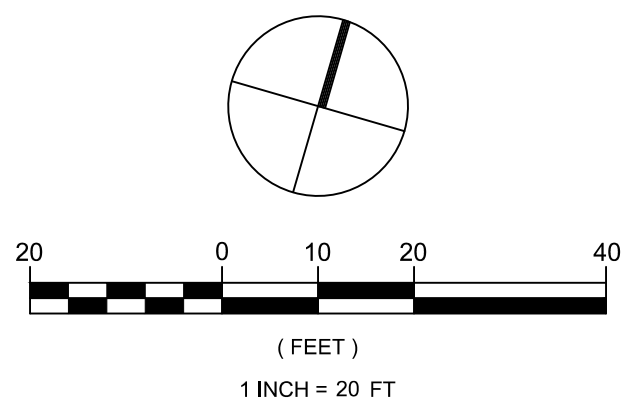
PROTECTION NOTES:

- EXISTING BUILDING TO REMAIN.
- EXISTING ASPHALT TO REMAIN.
- EXISTING POWER TRANSFORMER AND ASSOCIATED POWER LINES TO REMAIN.
- EXISTING WATER METER AND SERVICE LINE TO REMAIN.
- EXISTING WATER VALVE TO REMAIN.
- EXISTING DATA/COMMUNICATIONS RISER TO REMAIN.
- EXISTING UNDERGROUND UTILITY TO REMAIN, TYPICAL.

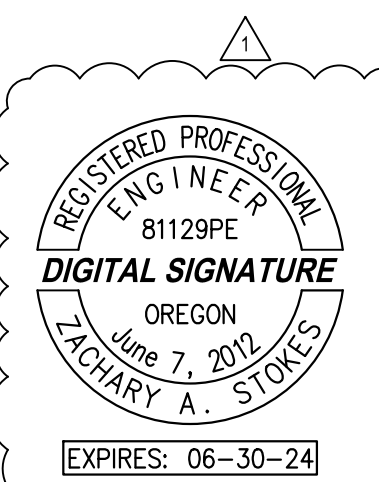


ONE INCH EQUALS FULL SCALE

1"=20'



1 EXISTING CONDITIONS AND DEMOLITION PLAN

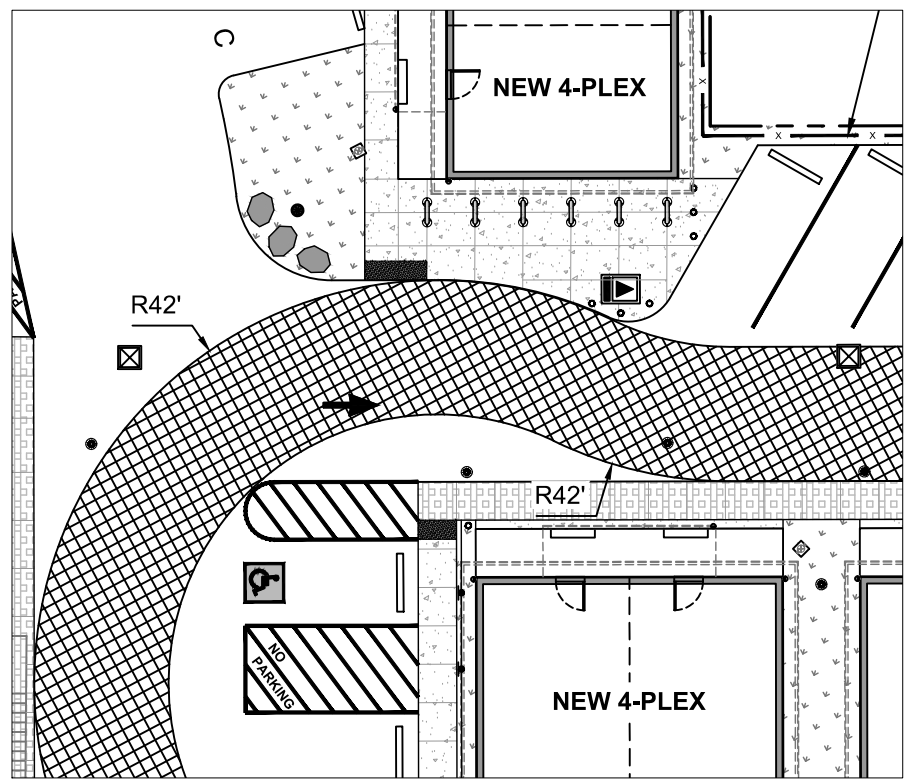


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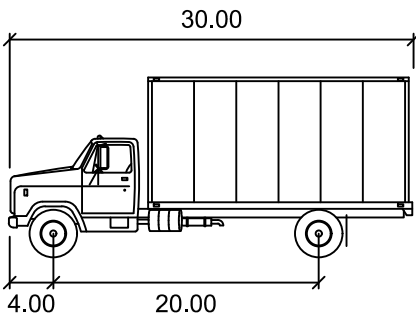
EXISTING
CONDITIONS AND
DEMOLITION PLAN

C1.00

CONSTRUCTION DOCUMENTS



VEHICLE USED:



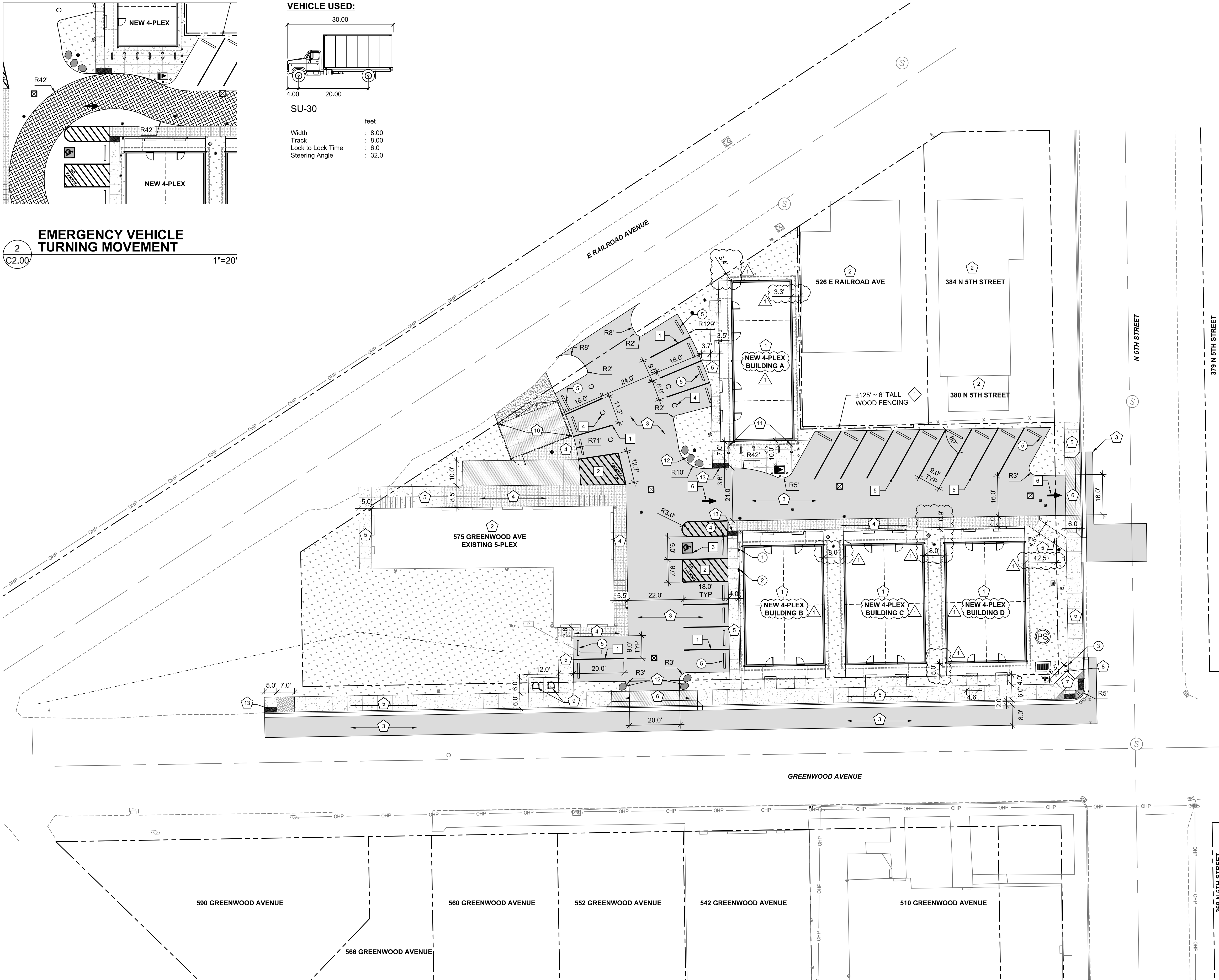
SU-30

Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 32.0

EMERGENCY VEHICLE
TURNING MOVEMENT

2
C2.00

1"=20'



CIVIL SITE, STRIPING, AND SIGNAGE NOTES:

GENERAL CONSTRUCTION NOTES:

*** INSTALL ALL FENCING PER MANUFACTURER SPECIFICATIONS.

*** COORDINATE FINAL FENCING LAYOUT WITH PROJECT OWNER AND NEIGHBORING PROPERTY OWNER DURING CONSTRUCTION.

*** ALL GATES SHALL MATCH ADJACENT FENCE HEIGHT, MATERIAL, AND FINISH.

*** ALL STANDARD ON-SITE PAINTED STRIPING SHALL BE FAST DRYING "TRAFFIC LINE PAINT" CONFORMING TO THE 2021 STATE OF OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. ALL STRIPING SHALL BE APPLIED TWICE.

*** ALL STRIPING, SIGNS, LETTERS, AND ARROWS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).

*** ALL ACCESSIBLE PARKING STRIPING AND SIGNAGE SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.

*** PROVIDE SUBMITTALS FOR ALL SIGNS AND PARKING BUMPERS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

*** PLACEMENT OF SIGNS SHALL NOT CONFLICT WITH EXISTING DRIVEWAYS, MAILBOXES, FIRE HYDRANTS, OR OTHER STRUCTURES. COORDINATE FINAL PLACEMENT WITH OWNER FOR ON-SITE SIGNS AND CITY OF REEDSPORT FOR SIGNS IN RIGHT-OF-WAY DURING CONSTRUCTION.

*** INSTALL ALL ON-SITE SIGNS SIMILAR TO DETAIL 5 ON SHEET C5.00 AND ALL OFF-SITE SIGNS SIMILAR TO ODOT DETAILS TM200, TM676, AND TM687.

*** REFER TO C3.00 SERIES FOR ADDITIONAL CONSTRUCTION, GRADING, AND DRAINAGE INFORMATION.

*** PROVIDE SUBMITTAL TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

ON/OFF-SITE CONSTRUCTION NOTES:

1. NEW BUILDING WITH CONCRETE PORCH AND OVERHANG. REFER TO BUILDING DESIGN PLANS, UNDER SEPARATE COVER, FOR ALL INFORMATION.
2. EXISTING BUILDING. NO WORK IN THIS AREA.
3. NEW ASPHALT PAVEMENT.
4. NEW 6" THICK UNREINFORCED CONCRETE SIDEWALK.
5. NEW 4" THICK UNREINFORCED CONCRETE SIDEWALK.
6. NEW 6" THICK REINFORCED CONCRETE DRIVEWAY CONNECTION.
7. NEW CONCRETE RAMP WITH DETECTABLE WARNING SURFACE.
8. NEW FIRE HYDRANT.
9. NEW MAILBOXES. CONTRACTOR TO COORDINATE FINAL LOCATION WITH USPS AND INSTALL PER MANUFACTURER INSTRUCTIONS.
10. CONSTRUCT NEW TRASH AND RECYCLE ENCLOSURE. ALL ENCLOSURE FENCING PER CONTRACTOR.
11. INSTALL NEW BICYCLE 'Huntco' 'The Staple' (OR APPROVED EQUAL) BICYCLE RACK (6 TOTAL). INSTALL PER MANUFACTURER INSTRUCTIONS.
12. FURNISH NEW LARGE LANDSCAPING ROCK OR SIMILAR LANDSCAPING PROTECTION MEASURE.
13. INSTALL NEW CURB RAMP TACTILE WARNING PANEL.

STRIPING NOTES:

1. PAINT 4" SOLID WHITE STRIPING ANGLED AT 90° FROM PARALLEL, TYPICAL.
2. PAINT 4" SOLID WHITE STRIPING ROTATED AT 36° FROM PARALLEL SPACED 2' ON CENTER, WITH 'NO PARKING' TEXT PER FIGURES 1 AND 7 OF 'OREGON TRANSPORTATION COMMISSION STANDARDS FOR ACCESSIBLE PARKING PLACES'.
3. PAINT BLUE AND WHITE ACCESSIBLE SYMBOL IN PARKING SPACES AS SHOWN PER CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN (1 TOTAL). INSTALL PER DETAIL 5 ON SHEET C5.00.
4. PAINT 15" WHITE LETTER 'C' IN LOCATION SHOWN, TO INDICATE COMPACT STALLS. COORDINATE FINAL LETTERING AND PLACEMENT WITH ENGINEER AND OWNER DURING CONSTRUCTION (4 TOTAL).
5. PAINT 4" SOLID WHITE STRIPING ANGLED AT 60° FROM PARALLEL, TYPICAL.
6. PAINT 60" LONG WHITE DIRECTIONAL ARROW IN APPROXIMATE LOCATION AND ORIENTATION SHOWN.

SIGNAGE NOTES:

1. FURNISH STANDARD ACCESSIBLE PARKING SIGN (MUTCD 'R7-8') (1 TOTAL).
2. FURNISH ACCESSIBLE PARKING 'ACCESS AISLE NO PARKING' SIGN WITH INDICATOR SIGN AS APPLICABLE (1 TOTAL).
3. RELOCATE 'STOP' SIGN (MUTCD 'R1-1') AND STREET NAME SIGNS AT LOCATION SHOWN ON NEW PSST SIGN POST WITH CONCRETE FOOTING CONSTRUCTED SIMILAR TO ODOT DETAILS TM200, TM676, AND TM687 (1 TOTAL).
4. FURNISH 'BARCO PREMIUM BLUE WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (1 TOTAL).
5. FURNISH 'BARCO PREMIUM YELLOW WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (22 TOTAL).

FENCING CONSTRUCTION NOTES:

1. FURNISH AND INSTALL 6" TALL WOOD FENCING (OR MATCH EXISTING). LOCATION AND FINAL LINEAL FEET TO BE COORDINATED WITH PROJECT OWNER AND NEIGHBORING PROPERTY OWNER.



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CIVIL SITE,
STRIPING, AND
SIGNAGE PLAN

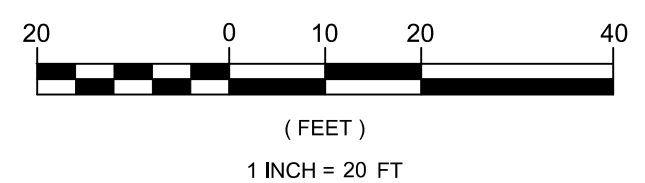
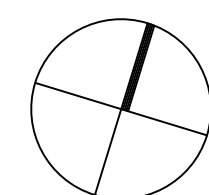
C2.00

ONE INCH EQUALS FULL SCALE

1
C2.00

CIVIL SITE, STRIPING, AND SIGNAGE PLAN

1"=20'



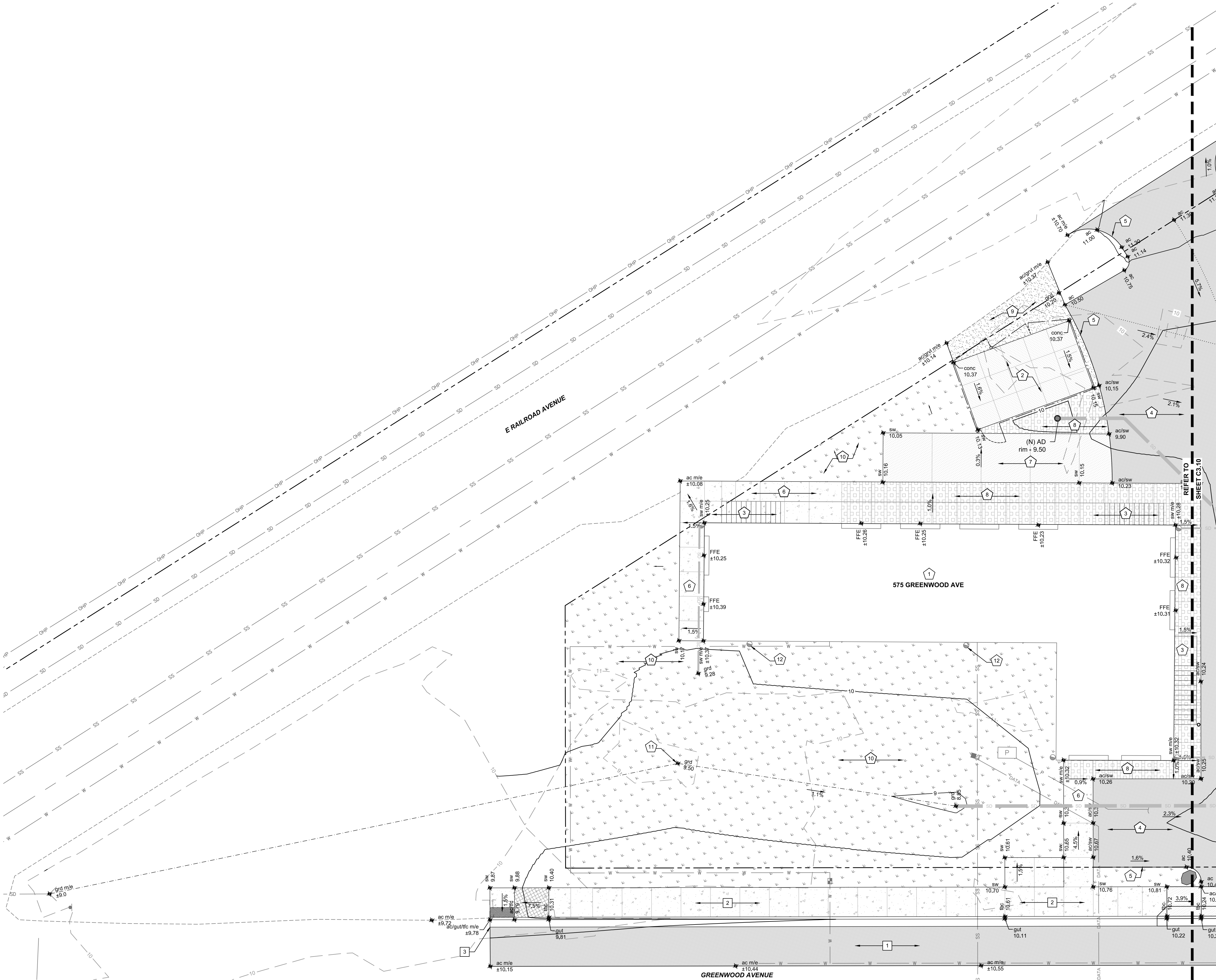
CONSTRUCTION DOCUMENTS

ONE INCH EQUALS FULL SCALE

1
C3.00

WEST GRADING PLAN

1"=10'



GRADING NOTES:

GENERAL CONSTRUCTION NOTES:

*** ALL CONCRETE/ASPHALT/GRAVEL PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER 'Propex' 'Geotex 200ST' WOVEN PERMEABLE GEOTEXTILE SUPPORT FABRIC OVER HARD AND UNYIELDING SUBGRADE. REFER TO PROJECT GEOTECHNICAL REPORT AND SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION REGARDING PAVEMENT AND SUBGRADE PREPARATION.

*** TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.

*** CONSTRUCT PAVING AND STRUCTURES TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.

*** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.

*** REFER TO SHEET C3.20 FOR ALL DRAINAGE INFORMATION AND SHEET C4.00 FOR ALL NEW UTILITY INFORMATION.

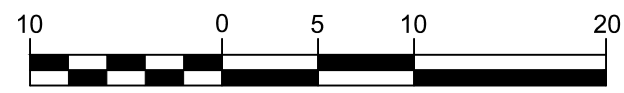
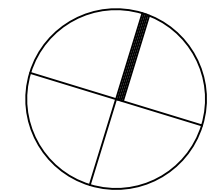
*** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

ON-SITE CONSTRUCTION NOTES:

- EXISTING BUILDING. NO WORK IN THIS AREA.
- NEW TRASH AND RECYCLE ENCLOSURE. REFER TO DETAILS 2 AND 3 ON SHEET C5.10 FOR ALL SLAB INFORMATION, FENCING, POSTS, AND GATES PER CONTRACTOR.
- EXISTING STAIRS AND STAIR LANDINGS TO REMAIN. CONTRACTOR TO FIELD VERIFY EXISTING STAIR LANDING CONDITION AND ELEVATION AND MATCH PROPOSED SIDEWALK TO EXISTING LANDING. CONTRACTOR TO COORDINATE DETAILS WITH OWNER AND ENGINEER AT TIME OF CONSTRUCTION.
- CONSTRUCT ASPHALT PAVEMENT. MINIMUM SECTION CONSISTS OF 4" OF ODOT LEVEL 2 - 1/2" DENSE ASPHALT WITH PG 58-22 BINDER IN TWO LIFTS OVER 12" MINIMUM 3/4" MINUS CRUSHED ROCK. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
- CONSTRUCT EDGE OF ASPHALT ADJACENT TO LANDSCAPE WITH A 45° ROLLED EDGE AND ADJACENT LANDSCAPE GRADE 1.5-IN BELOW ASPHALT FINISH GRADE, REFER TO DETAIL 5 ON SHEET C5.10, TYPICAL.
- CONSTRUCT 4" CONCRETE SIDEWALK PER DETAILS 1 AND 3 ON SHEET C5.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
- CONSTRUCT 6" REINFORCED CONCRETE PAVEMENT SIMILAR TO DETAILS 2 AND 3 ON SHEET C5.00.
- CONSTRUCT 6" THICK UNREINFORCED CONCRETE SIDEWALK WHERE INDICATED BY HATCH SIMILAR TO DETAILS 1 AND 3 ON SHEET C5.00.
- CONSTRUCT GRAVEL PAVEMENT. MINIMUM SECTION CONSISTS OF 6" OF 3/4" MINUS OVER 6" OF 3" MINUS CRUSHED ROCK.
- APPROXIMATE LIMITS OF LANDSCAPING. LANDSCAPING (AND IRRIGATION, IF NECESSARY) ARE DEFERRED SUBMITTALS AND NOT A PART OF THESE PLANS.
- APPROXIMATE LOCAL HIGH POINT OF LANDSCAPE AREA GRADING. CONTRACTOR TO FIELD VERIFY EXACT LOCATION AND ELEVATION. CONTRACTOR TO ENSURE HIGH POINT IS AT LEAST 6" BELOW FINISH FLOOR ELEVATION TO PROVIDE AN EMERGENCY OVERFLOW ROUTE FOR THE STORM SYSTEM BELOW THE BUILDING FINISH FLOOR ELEVATION.
- FURNISH NEW SPLASH BLOCK ON EXISTING DOWNSPOUT. FINE GRADE AS NECESSARY TO ENSURE RUNOFF IS DIRECTED TOWARD

OFF-SITE CONSTRUCTION NOTES:

- CONSTRUCT ASPHALT PAVEMENT. MINIMUM SECTION CONSISTS OF 4" OF ODOT LEVEL 2 - 1/2" DENSE ASPHALT WITH PG 58-22 BINDER IN TWO LIFTS OVER 12" MINIMUM 3/4" MINUS CRUSHED ROCK (OR MATCH EXISTING, WHICHEVER IS GREATER).
- CONSTRUCT NEW CONCRETE 'TYPICAL CURB LINE SIDEWALK' PER ODOT RD720 WITH TOOLED COLD JOINT BETWEEN CURB AND SIDEWALK.
- CONSTRUCT 24" WIDE CURB AND GUTTER (18" WIDE GUTTER PAN) PER ODOT RD700.



(FEET)
1 INCH = 10 FT



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WEST GRADING PLAN

C3.00

CONSTRUCTION DOCUMENTS

GRADING NOTES:

GENERAL CONSTRUCTION NOTES:

*** ALL CONCRETE/ASPHALT PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER 'Propex' 'Geotex 200ST' WOVEN PERMEABLE GEOTEXTILE SUPPORT FABRIC OVER HARD AND UNYIELDING SUBGRADE. REFER TO PROJECT GEOTECHNICAL REPORT AND SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION REGARDING PAVEMENT AND SUBGRADE PREPARATION.

*** TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.

*** ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN CONFORMANCE WITH CURRENT OSSC STANDARDS. RAMP SLOPES SHALL NOT EXCEED 8.33% WITH LANDINGS NOT TO EXCEED 2.0%.

*** CONSTRUCT PAVING AND STRUCTURES TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.

*** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.

*** REFER TO SHEET C3.30 FOR ALL DRAINAGE INFORMATION AND SHEET C4.00 FOR ALL NEW UTILITY INFORMATION.

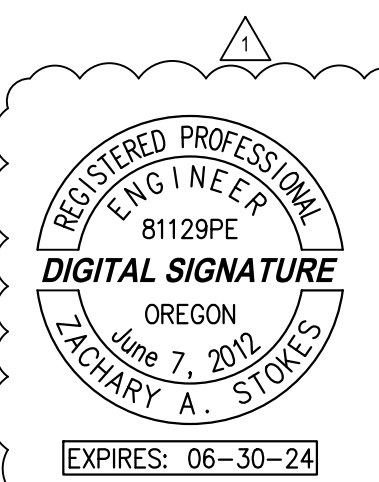
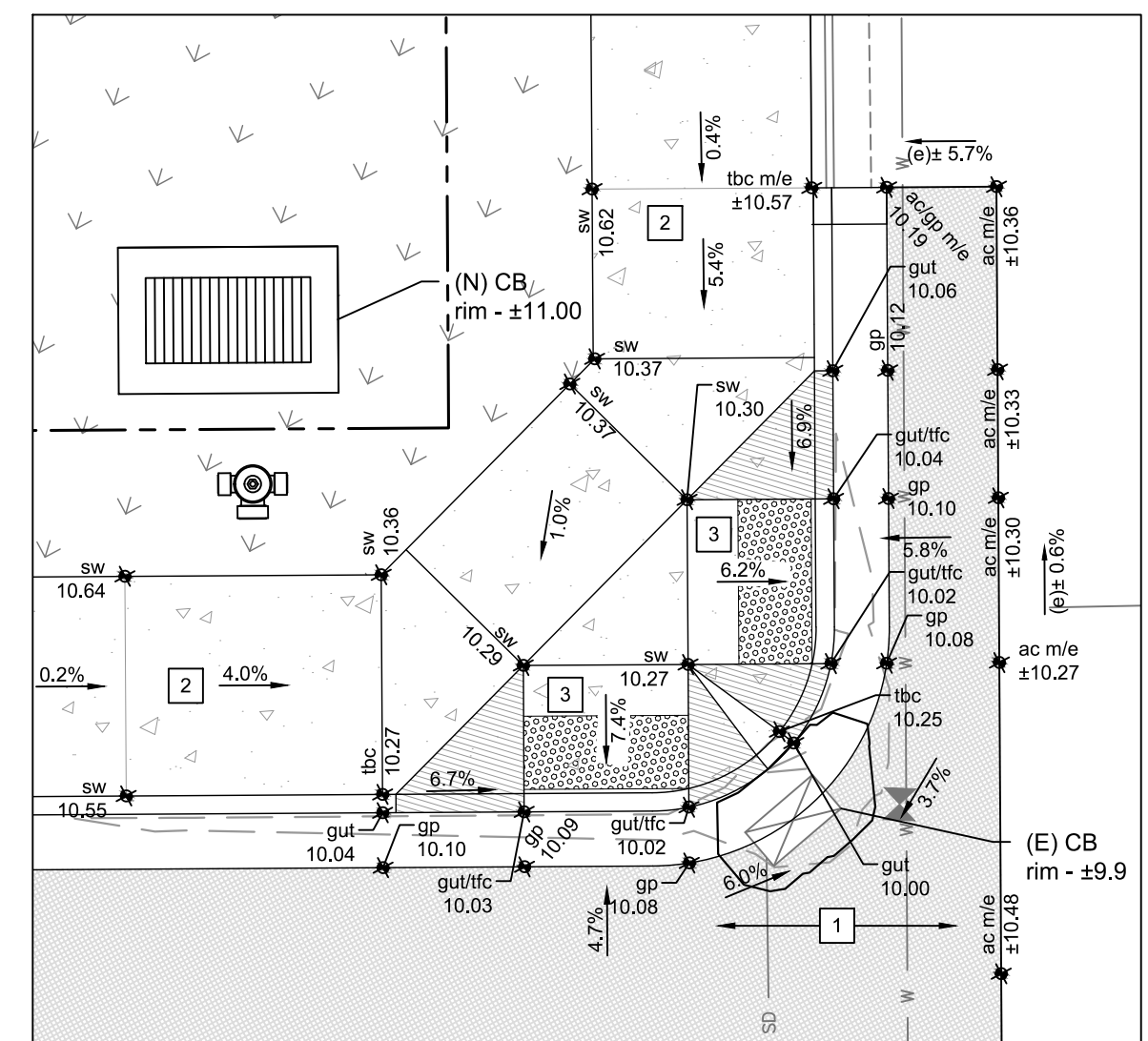
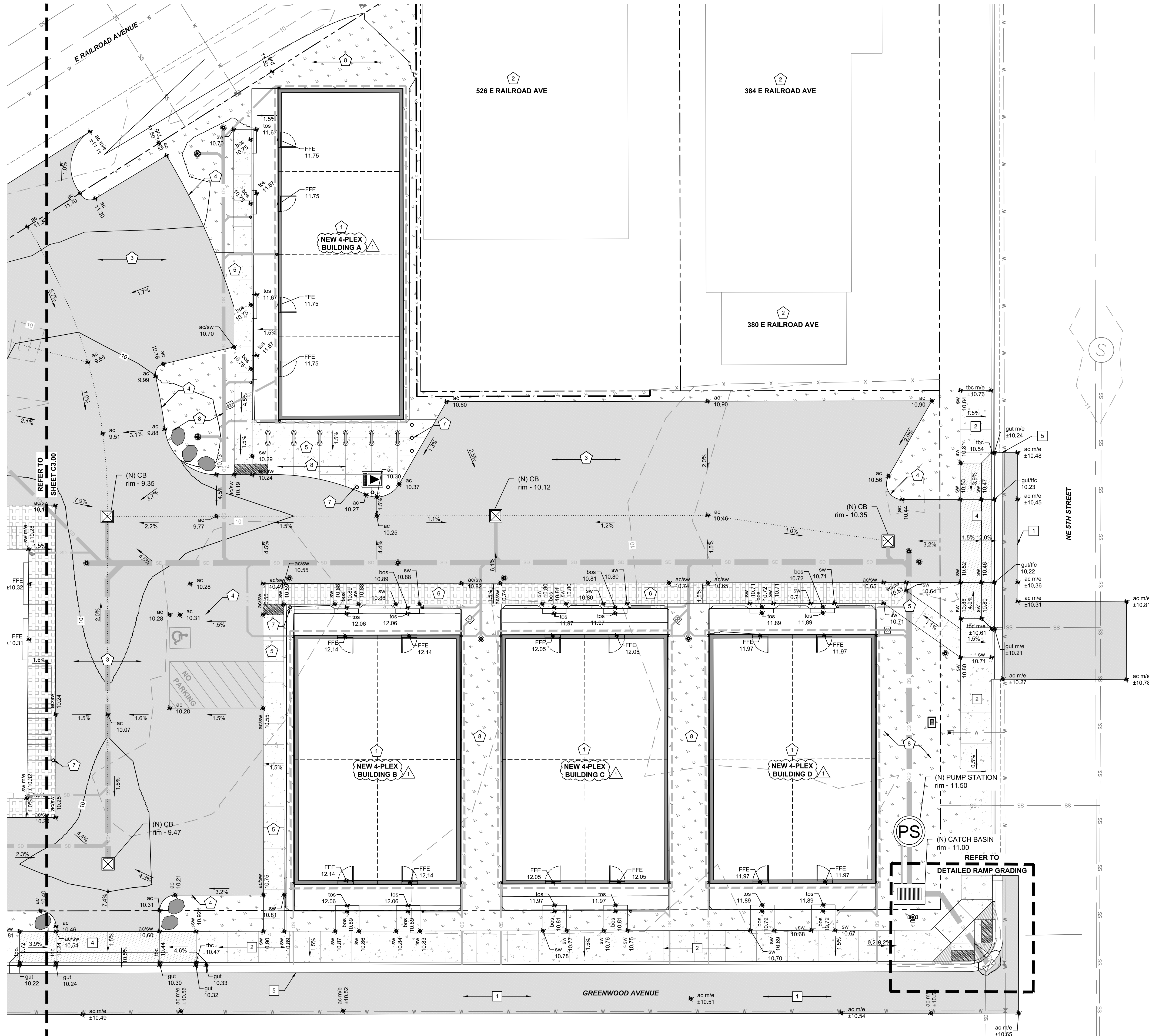
*** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

ON-SITE CONSTRUCTION NOTES:

1. NEW BUILDING. VERIFY LIMITS OF BUILDING FOOTPRINT WITH BUILDING AND STRUCTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCIES.
2. EXISTING BUILDING. NO WORK IN THIS AREA.
3. CONSTRUCT ASPHALT PAVEMENT. MINIMUM SECTION CONSISTS OF 4" OF ODOT LEVEL 2 - 1/2" DENSE ASPHALT WITH PG 58-22 BINDER OVER 12" MINIMUM 3/4" MINUS CRUSHED ROCK. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
4. CONSTRUCT EDGE OF ASPHALT ADJACENT TO LANDSCAPE WITH A 45° ROLLED EDGE AND ADJACENT LANDSCAPE GRADE 1.5-IN BELOW ASPHALT FINISH GRADE PER TO DETAIL 5 ON SHEET C5.10, TYPICAL.
5. CONSTRUCT NEW 4" CONCRETE SIDEWALK PER DETAILS 1 AND 3 ON SHEET C5.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
6. CONSTRUCT 6" THICK UNREINFORCED CONCRETE SIDEWALK WITH WHERE INDICATED BY HATCH SIMILAR TO DETAILS 1 AND 3 ON SHEET C5.00.
7. NEW CONCRETE BOLLARD PER DETAIL 6 ON SHEET C5.10 (6 TOTAL), TYPICAL.
8. APPROXIMATE LIMITS OF LANDSCAPING. LANDSCAPING (AND IRRIGATION, IF NECESSARY) ARE DEFERRED SUBMITTALS AND NOT A PART OF THESE PLANS.

OFF-SITE CONSTRUCTION NOTES:

1. CONSTRUCT ASPHALT PAVEMENT. MINIMUM SECTION CONSISTS OF 4" OF ODOT LEVEL 2 - 1/2" DENSE ASPHALT WITH PG 58-22 BINDER OVER 12" MINIMUM 3/4" MINUS CRUSHED ROCK (OR MATCH EXISTING, WHICHEVER IS GREATER).
2. CONSTRUCT NEW CONCRETE 'TYPICAL CURB LINE SIDEWALK' PER ODOT RD720 WITH TOOLED COLD JOINT BETWEEN CURB AND SIDEWALK.
3. CONSTRUCT ACCESSIBLE CURB RAMP OPTION 'PR-3' WITH DETECTABLE WARNING SURFACE PER ODOT RD912, 902, AND 904.
4. CONSTRUCT REINFORCED CONCRETE PARTIALLY LOWERED SIDEWALK 'OPTION M' SIMILAR TO ODOT RD750. REINFORCEMENT TO BE #4 REBAR SPACED 12" APART ON CENTER, EACH WAY.
5. CONSTRUCT 24" WIDE CURB AND GUTTER (18" WIDE GUTTER PAN) PER ODOT RD700.



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EAST GRADING PLAN

C3.10

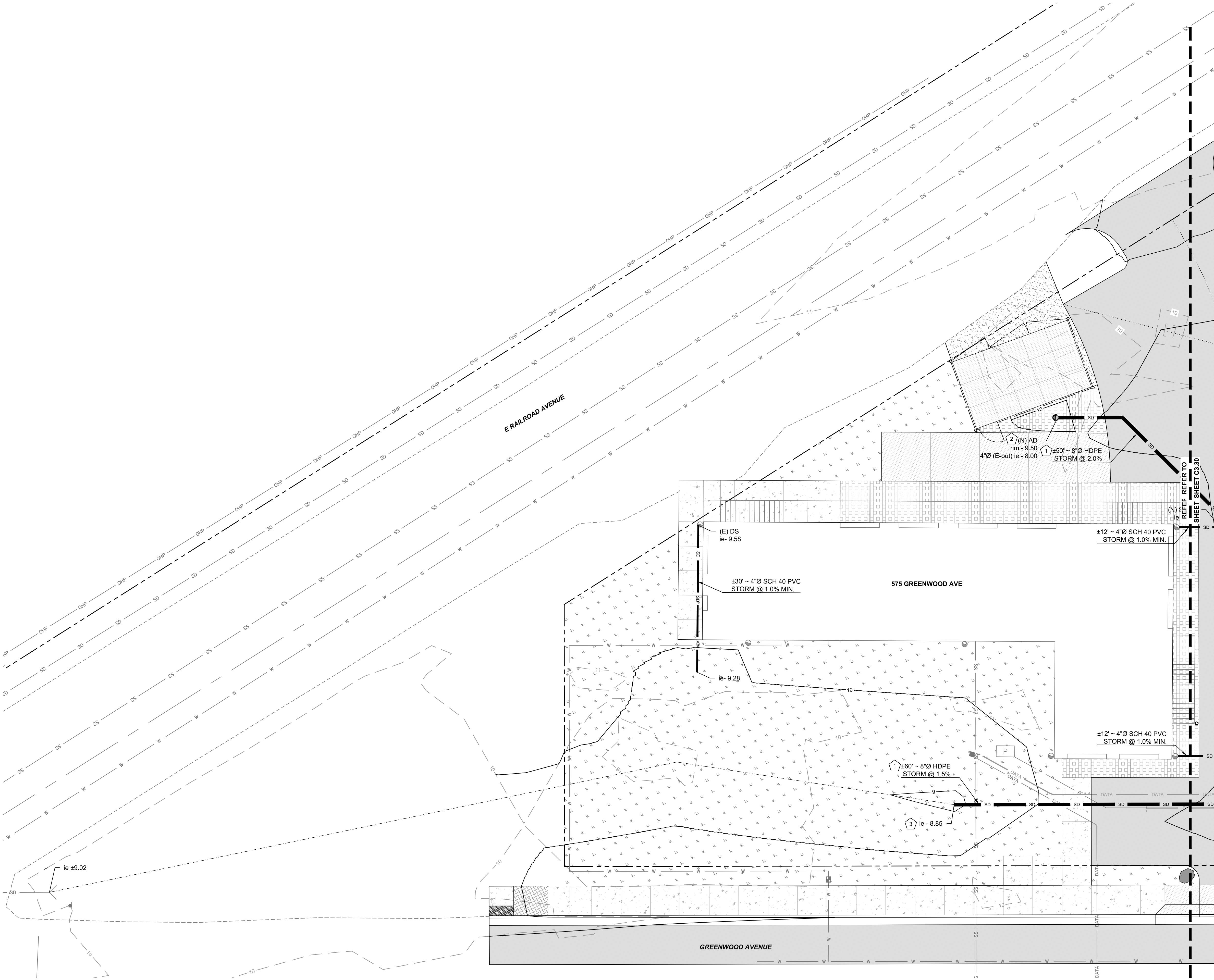
CONSTRUCTION DOCUMENTS

ONE INCH EQUALS FULL SCALE

1
C3.20

WEST DRAINAGE PLAN

1"=10'



DRAINAGE NOTES:

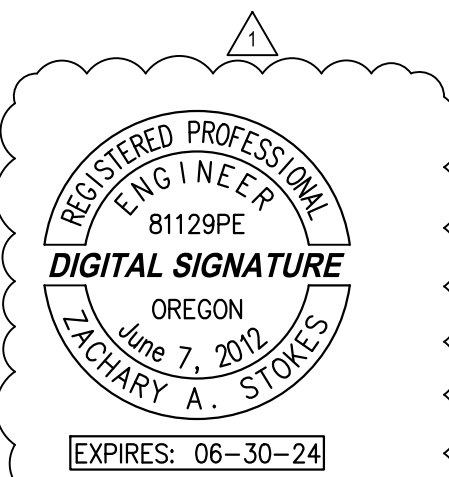
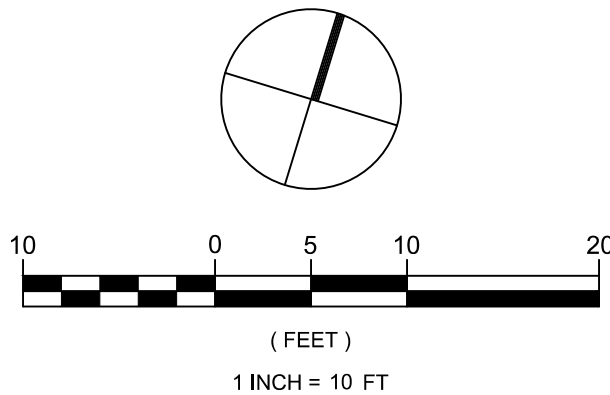
GENERAL CONSTRUCTION NOTES:

- *** CONSTRUCT PIPING TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.
- *** REFER TO SHEET C3.00 FOR ALL DRAINAGE INFORMATION AND SHEET C4.00 FOR ALL NEW UTILITY INFORMATION.
- *** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.
- *** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.



DRAINAGE CONSTRUCTION NOTES:

1. INSTALL STORM PIPE IN TRENCH PER DETAIL 6 ON SHEET C5.00. CONNECTIONS TO MAIN SHALL BE MADE USING PREFABRICATED 'WYE' FITTINGS.
2. CONSTRUCT 8" IN-LINE FLAT TOP 'Nyloplast' '2710AG8' DRAIN (OR APPROVED EQUAL) AT LOCATION SHOWN. INSTALL PER MANUFACTURER SPECIFICATIONS.
3. FURNISH 'MITERED DRAIN' MODEL '8MD3P' MITERED END CAP (OR APPROVED EQUAL) AT LOCATION SHOWN ON PLAN. FIELD DRESS SLOPE TO MATCH END CAP.



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WEST DRAINAGE
PLAN

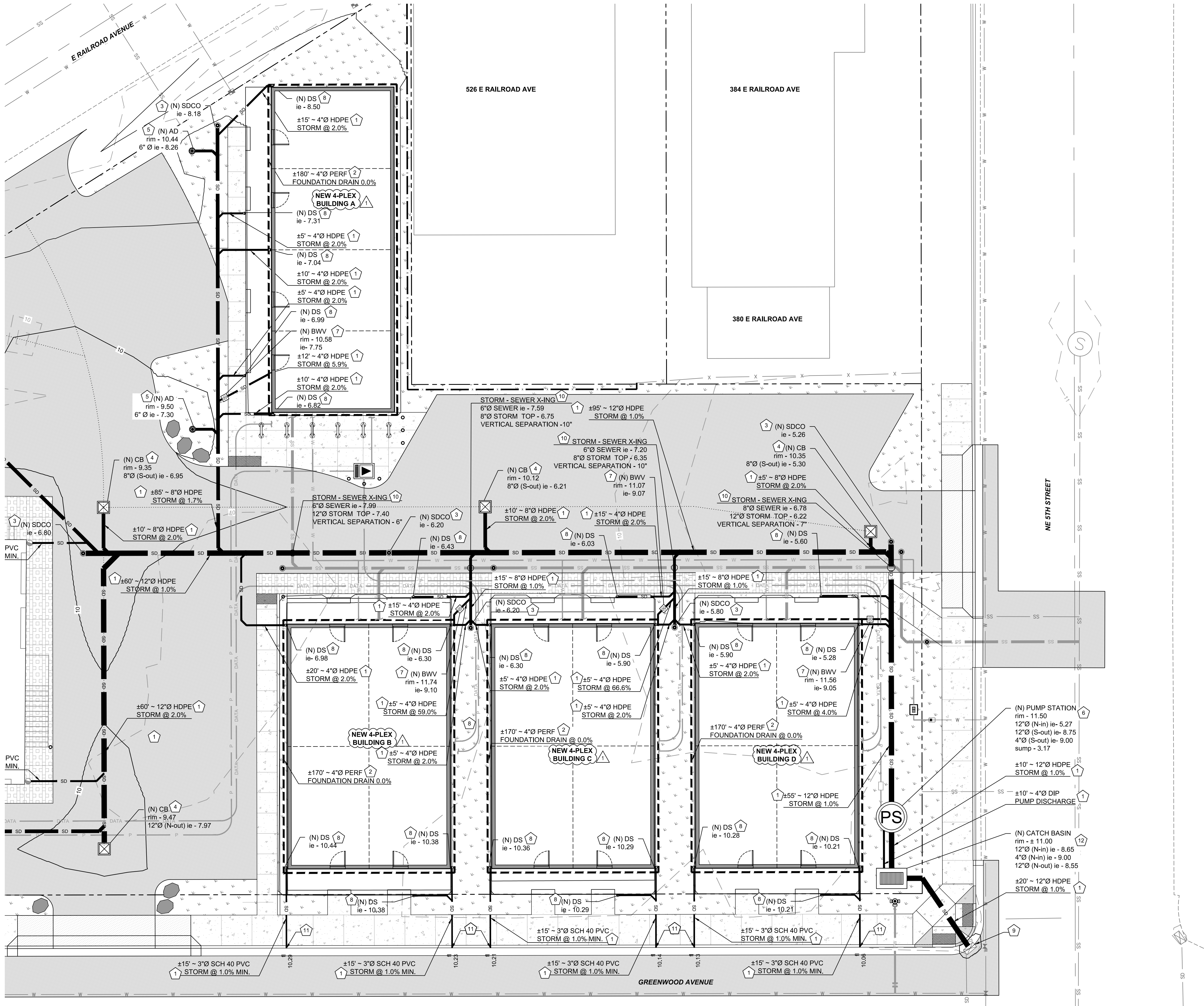
C3.20

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DEVELOPMENT

CONSTRUCTION DOCUMENTS



DRAINAGE NOTES:

GENERAL CONSTRUCTION NOTES:

*** CONSTRUCT STRUCTURES AND PIPING TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.

*** ALL NEW CATCH BASINS SHALL HAVE A MINIMUM 24" SUMP BELOW THE OUTLET INVERT ELEVATION AND BE EQUIPPED WITH A HOOD AND TRAP.

*** REFER TO SHEET C3.10 FOR ALL DRAINAGE INFORMATION AND SHEET C4.00 FOR ALL NEW UTILITY INFORMATION.

*** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.

*** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

DRAINAGE CONSTRUCTION NOTES:

1. INSTALL STORM PIPE IN TRENCH PER DETAIL 6 ON SHEET C5.00. CONNECTIONS TO MAIN SHALL BE MADE USING PREFABRICATED 'WYE' FITTINGS.
2. CONSTRUCT 4"O PERFORATED FOUNDATION DRAIN AROUND PERIMETER OF NEW STRUCTURE. SET FOUNDATION DRAIN EVEN WITH BOTTOM OF NEW FOOTING.
3. PROVIDE AND INSTALL CLEANOUT RISER TO GRADE WITH WORD 'STORM' CAST INTO LID. CONSTRUCT PER DETAIL 8 ON SHEET C5.00.
4. FURNISH SQUARE STEEL CATCH BASIN WITH H-20 RATED FRAME AND BICYCLE PROOF GRATE PER DETAIL 4 ON SHEET C5.00.
5. INSTALL IN-LINE 'Nyloplast' DRAIN WITH DOME GRATE (OR APPROVED EQUAL), AT LOCATION SHOWN. INSTALL PER MANUFACTURER SPECIFICATIONS.
6. INSTALL STORM PUMP IN PRE-CAST MANHOLE PER DETAIL 1 ON SHEET C5.10.
7. FURNISH BACKWATER VALVE PER DETAIL 9 ON SHEET C5.00. CONTRACTOR TO VERIFY ACTUAL BACKWATER VALVE ELEVATION BASED ON ACTUAL FOUNDATION DESIGN. CONTRACTOR TO COORDINATE WITH ENGINEER IN EVENT OF DISCREPANCY OR ELEVATION CONFLICT.
8. CONSTRUCT ROOF DRAIN CONNECTION PER DETAIL 10 ON SHEET C5.00. CONTRACTOR SHALL INSTALL PVC PIPE WITHIN 5' OF STRUCTURE PER OSPC. VERIFY LOCATION WITH ARCHITECTURAL AND PLUMBING PLANS PRIOR TO CONSTRUCTION.
9. CORE DRILL TO CONNECT TO EXISTING STORM CATCH BASIN AT LOCATION SHOWN ON PLAN PER ODOT RD339.
10. APPROXIMATE LOCATION OF UTILITY CROSSING. MAINTAIN 6" MINIMUM VERTICAL SEPARATION BETWEEN WATER AND STORM LINES AND 12" MINIMUM VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES WITH WATER MUST BE ABOVE SEWER LINE.
11. CONSTRUCT CURB WEEP HOLE PER DETAIL RD700.
12. FURNISH PRECAST CONCRETE CATCH BASIN WITH FRAME AND GRATE PER DETAIL 1 ON SHEET C5.10



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**EAST DRAINAGE
PLAN**

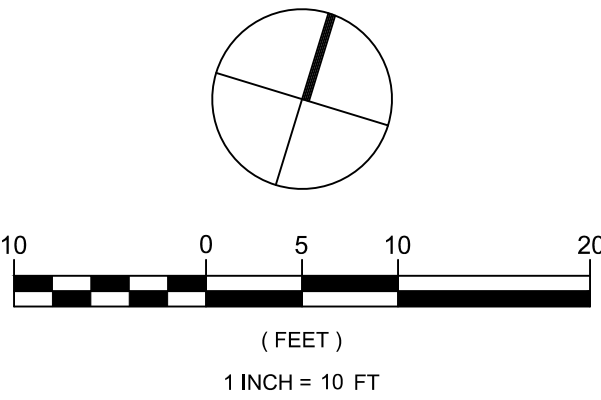
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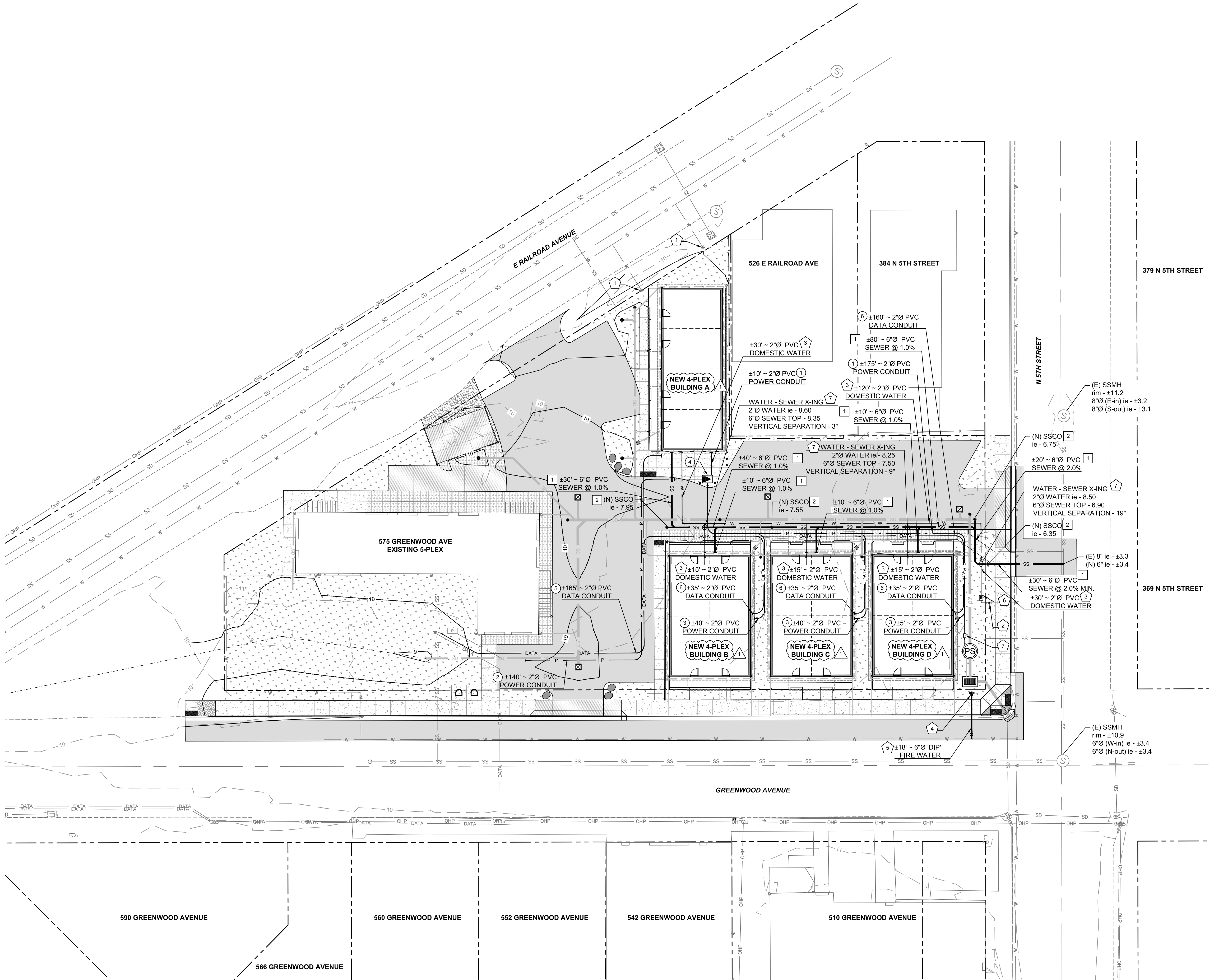
CONSTRUCTION DOCUMENTS

ONE INCH EQUALS FULL SCALE

1 EAST DRAINAGE PLAN

1"=10'





UTILITY NOTES:

GENERAL CONSTRUCTION NOTES:

*** CONSTRUCT STRUCTURES AND PIPING TO GRADES, ELEVATIONS, AND ALIGNMENTS SHOWN ON PLAN.

*** UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.

*** MAINTAIN MINIMUM 36" COVER OVER WATER LINES UNLESS NOTED OTHERWISE.

*** ALL WATER LINES 4" OR LARGER SHALL BE FULLY RESTRAINED WITH CONCRETE THRUST BLOCKS PER ODOT RD250 AT ALL HORIZONTAL AND VERTICAL BENDS, AND AT ALL TEES. ALL INSTALLATION SHALL CONFORM TO THE OREGON PLUMBING SPECIALTY CODE (OPSC). FIRE INSTALLATION SHALL ALSO CONFORM TO THE OREGON FIRE CODE.

*** REFER TO STRUCTURAL PLANS FOR BUILDING PENETRATION REQUIREMENTS.

*** REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR REQUIREMENTS WITHIN FIVE (5) FEET OF BUILDING FOOTPRINT AND CONTINUATION OF SERVICES.

*** REFER TO OFFICIAL POWER PLAN FROM PACIFIC POWER AND ELECTRICAL/TECHNOLOGY PLANS FOR FINAL NUMBER, SIZE, AND ROUTING OF POWER/DATA/COMMUNICATIONS CONDUIT.

*** PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

WATER CONSTRUCTION NOTES:

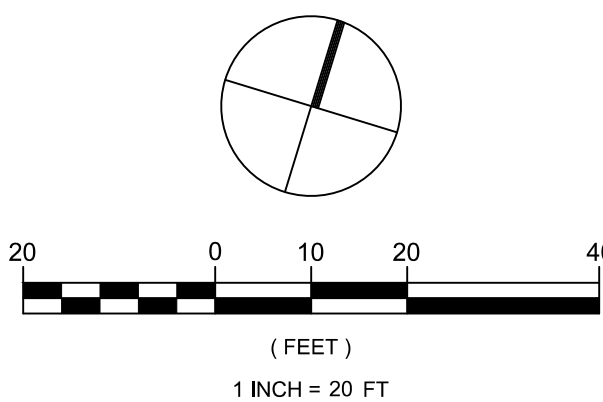
- EXISTING WATER METER TO REMAIN.
- 1.5" WATER METER AND METER BOX TO BE INSTALLED, AT LOCATION SHOWN, BY CITY. CONTRACTOR TO COORDINATE WITH CITY AS NECESSARY TO DETERMINE ACTUAL LOCATION AND SIZE OF EXISTING WATER LATERAL.
- INSTALL 2.0" SCH 40 PVC DOMESTIC WATER LINE FROM EXISTING METER AT ALIGNMENT SHOWN ON PLAN IN TRENCH PER DETAIL 6 ON SHEET C5.00.
- FURNISH 6" FIRE HYDRANT ASSEMBLY PER ODOT RD254 AT LOCATION SHOWN (1 TOTAL).
- INSTALL 6" PUBLIC FIRE HYDRANT LATERAL FROM EXISTING LINE TO NEW FIRE HYDRANT LOCATION IN TRENCH SIMILAR TO DETAIL 6 ON SHEET C5.00. CONNECTION TO EXISTING 8" ASBESTOS CEMENT WATER MAIN TO BE A HOT TAP MADE WITH A 6" SLEEVE X 6" FLANGE 'ROMAC' 'STIII' TAPPING SLEEVE WITH 6" FLANGE X MECHANICAL JOINT GATE VALVE (OR APPROVED EQUALS) AND CONCRETE THRUST BLOCK AT APPROXIMATE LOCATION SHOWN PER ODOT RD250 AND RD254. COORDINATE WITH CITY OF REEDSPORT PUBLIC WORKS DEPARTMENT PRIOR TO CONSTRUCTION. FOLLOW ALL APPLICABLE LAWS, RULES, AND REGULATIONS FOR WORK ON AND DISPOSAL OF ASBESTOS CEMENT MATERIAL.
- FURNISH 2" 'WATTS' 'LF007' DOUBLE CHECK VALVE ASSEMBLY (OR APPROVED EQUAL) IN AN 'OLDCASTLE' 'FRP' '1730F' 24" DEEP BOX WITH FLUSH LID (OR APPROVED EQUAL). INSTALL SIMILAR TO 'MEDFORD WATER COMMISSION' DETAIL '806' ON SHEET C6.40.
- APPROXIMATE LOCATION OF UTILITY CROSSING. MAINTAIN MINIMUM 6" COVER BETWEEN WATER AND STORM LINES AND MAINTAIN 12" MINIMUM COVER BETWEEN WATER AND SEWER LINES - WATER MUST BE ABOVE SEWER LINE. CENTER A STICK OF PIPE ABOUT THE CROSSING. COORDINATE WITH ENGINEER IN EVENT OF DISCREPANCY.

SANITARY SEWER CONSTRUCTION NOTES:

- INSTALL 'PVC' SANITARY SEWER SERVICE IN TRENCH PER DETAIL 6 ON SHEET C5.00.
- FURNISH CLEANOUT RISER TO GRADE WITH WORD 'SEWER' CAST INTO LID. CONSTRUCT PER DETAIL 8 ON SHEET C5.00.
- CONTRACTOR TO CONSTRUCT NEW 6" (I) SANITARY SEWER LATERAL AND CONNECT TO EXISTING 8" SANITARY SEWER MAIN. CONNECTION TO EXISTING MAIN WITH 'ROMAC' 'CS' SEWER SADDLE OR APPROVED EQUAL. SADDLE TO BE CONSTRUCTED ON MAIN AT 45-DEGREE ANGLE FROM HORIZONTAL. FIELD FIT VERTICAL. 6" 45-DEGREE BEND TO MEET DESIGN ELEVATION AT CLEANOUT. CONTRACTOR TO COORDINATE INSPECTION WITH CITY OF REEDSPORT PUBLIC WORKS AND COORDINATE WITH ENGINEER AS NECESSARY.

POWER AND DATA/COMMUNICATIONS CONSTRUCTION NOTES:

- INSTALL PRIMARY POWER CONDUIT FROM NEW PAD MOUNTED TRANSFORMER TO NEW 4-PLEX IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C5.00.
- INSTALL PRIMARY POWER CONDUIT FROM EXISTING STUB TO NEW PAD MOUNTED TRANSFORMER IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C5.00.
- INSTALL SECONDARY POWER CONDUIT FROM PRIMARY CONDUIT TO NEW BUILDING MOUNTED POWER METER IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C5.00.
- FURNISH PAD MOUNTED TRANSFORMER WHERE SHOWN.
- INSTALL PRIMARY DATA CONDUIT FROM EXISTING DATA / COMMUNICATIONS RISER TO NEW 4-PLEX IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C5.00.
- APPROXIMATE ALIGNMENT OF NEW SECONDARY DATA CONDUIT FROM PRIMARY CONDUIT TO BUILDING IN TRENCH SIMILAR TO DETAIL 7 ON SHEET C5.00.
- APPROXIMATE LOCATION OF PUMP CONTROL PANEL AND POWER SUPPLY. ALL DETAILS PER MEP PLANS OR MEP CONTRACTOR. CONTRACTOR TO COORDINATE FINAL DETAILS WITH OWNER, ENGINEER, POWER COMPANY, AND CITY AS NECESSARY.



1"=20'

1 UTILITY PLAN

C4.00

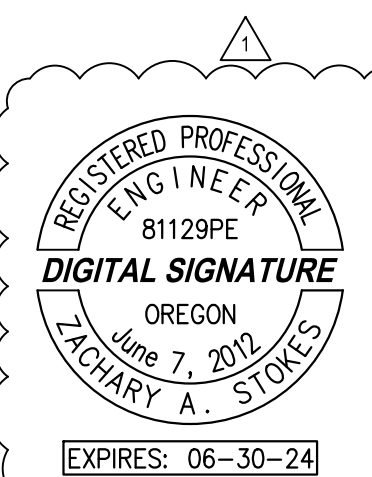
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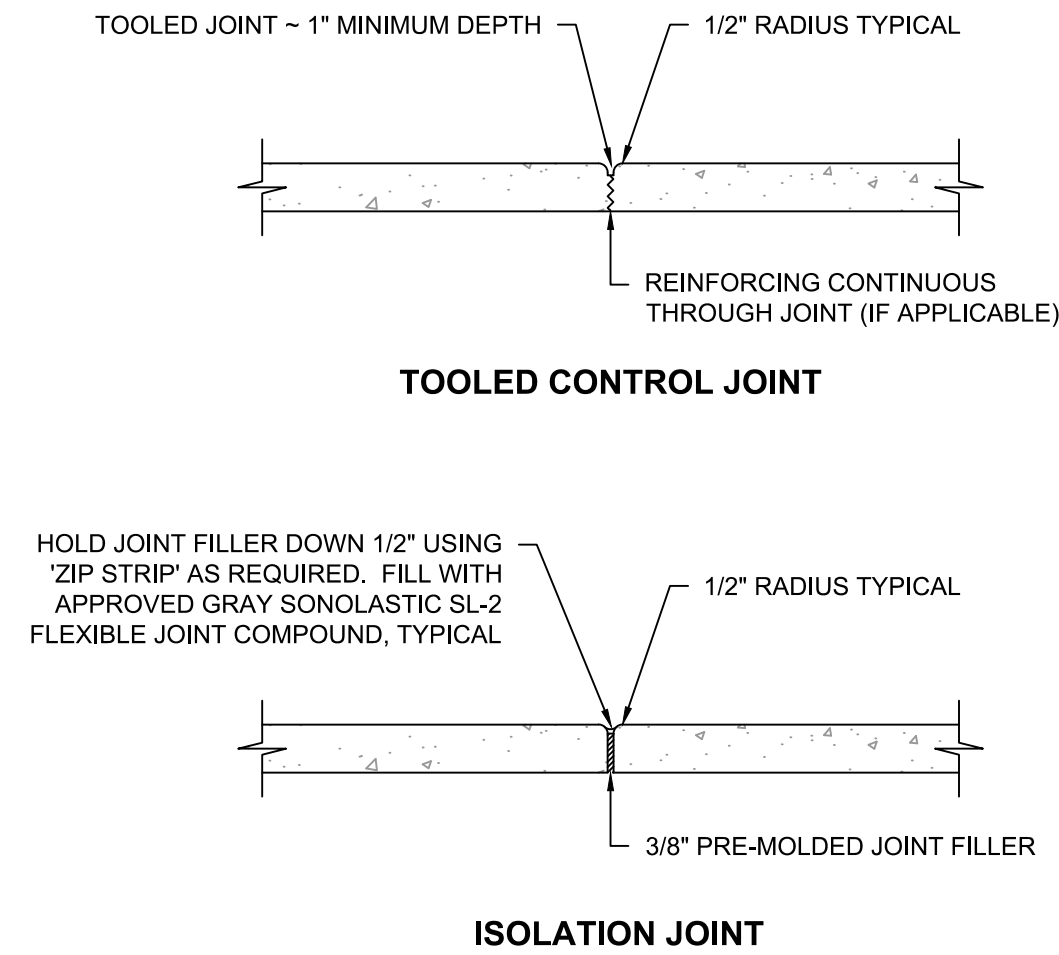
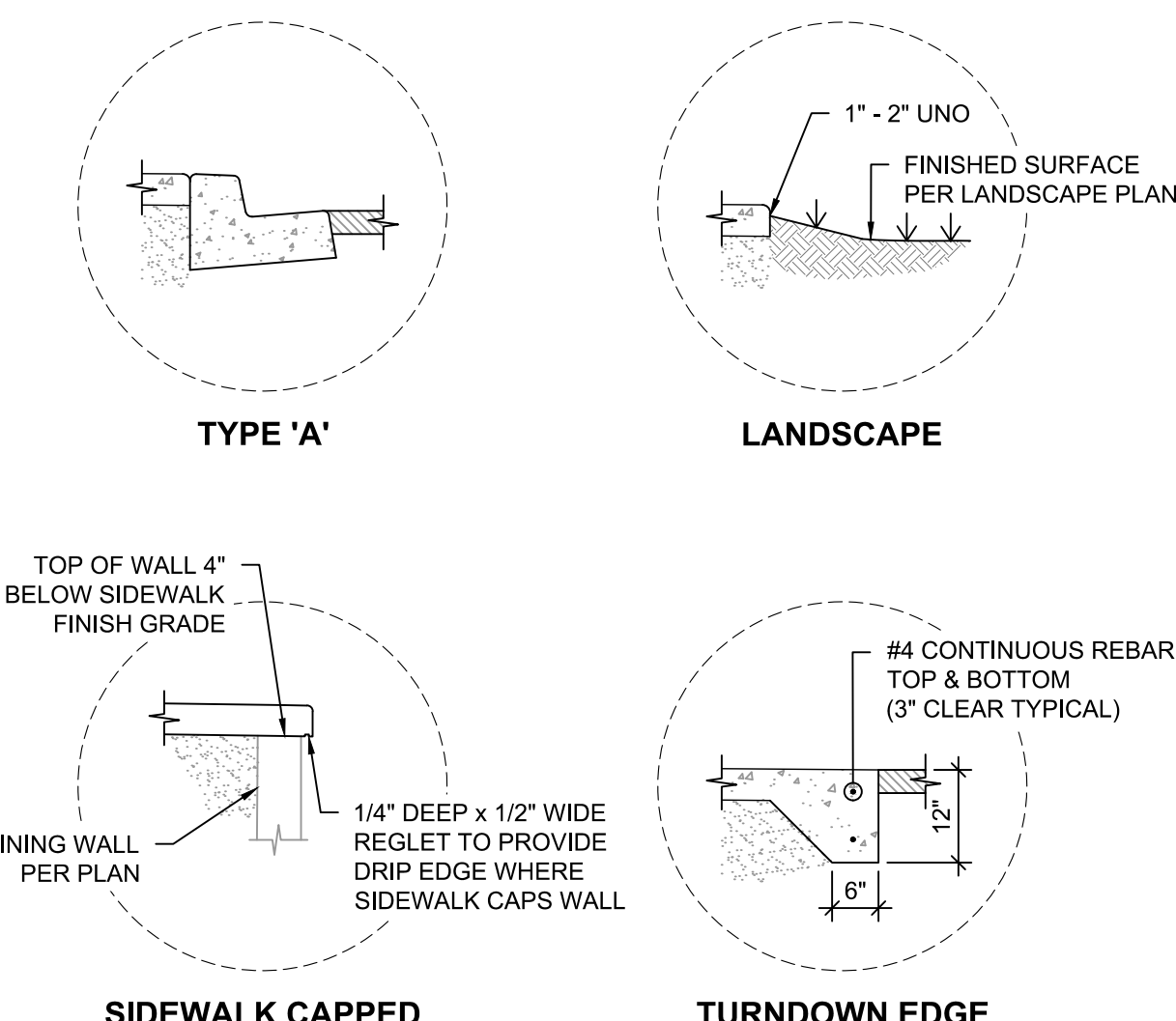
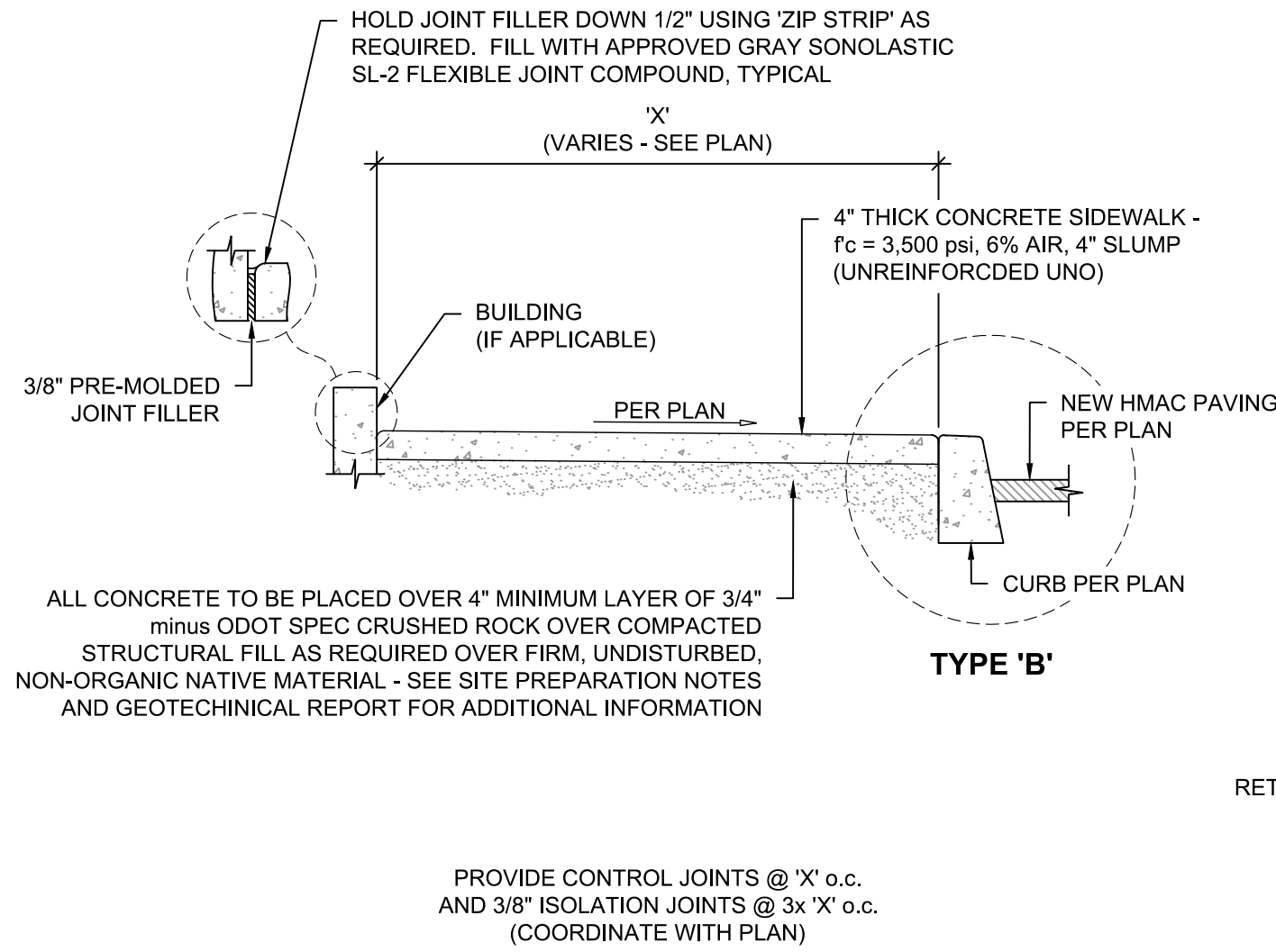


REVISION ID:	DATE:
PERMIT RVW 1	06-08-23
PROJECT NO:	G-1488-21
DRAWN:	KKA & LRS
CHECKED:	BJD
DATE:	01-19-23

UTILITY PLAN

C4.00

CONSTRUCTION DOCUMENTS

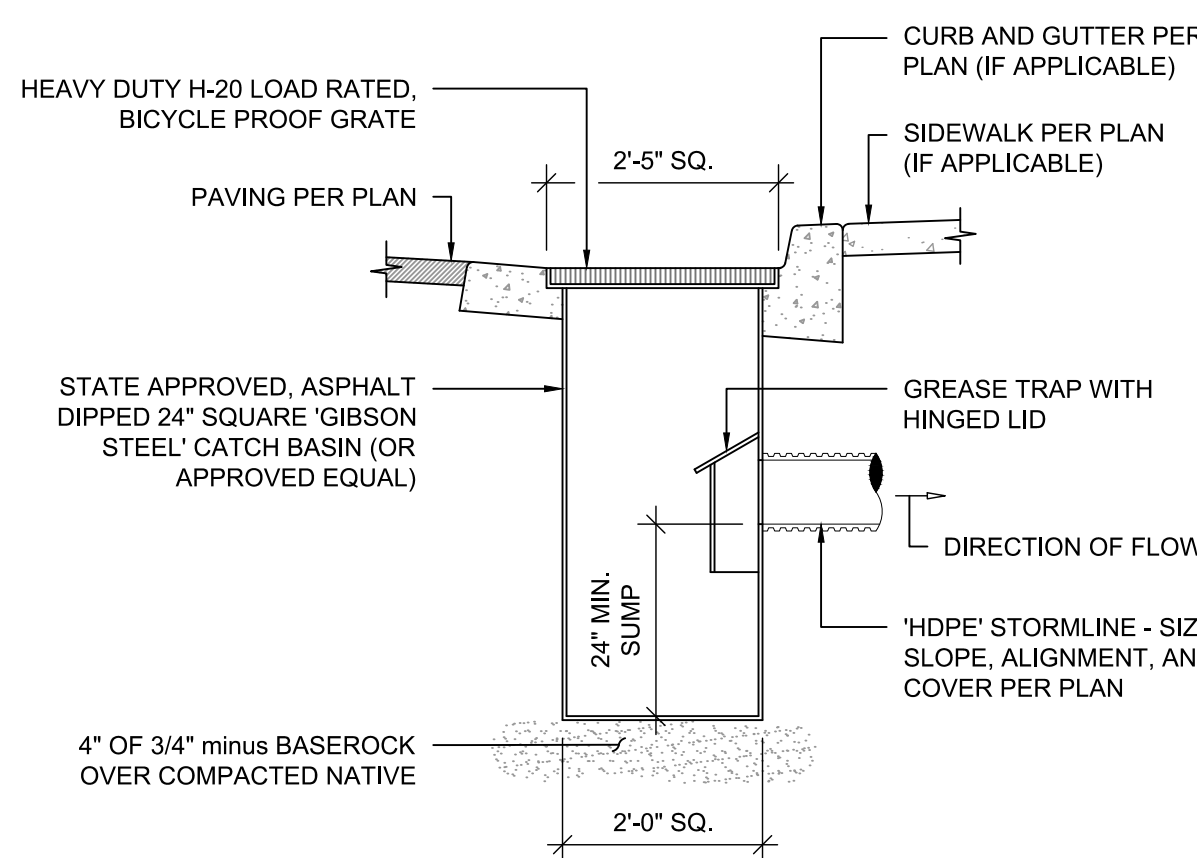


1
C5.00 UNREINFORCED SIDEWALK SECTIONS

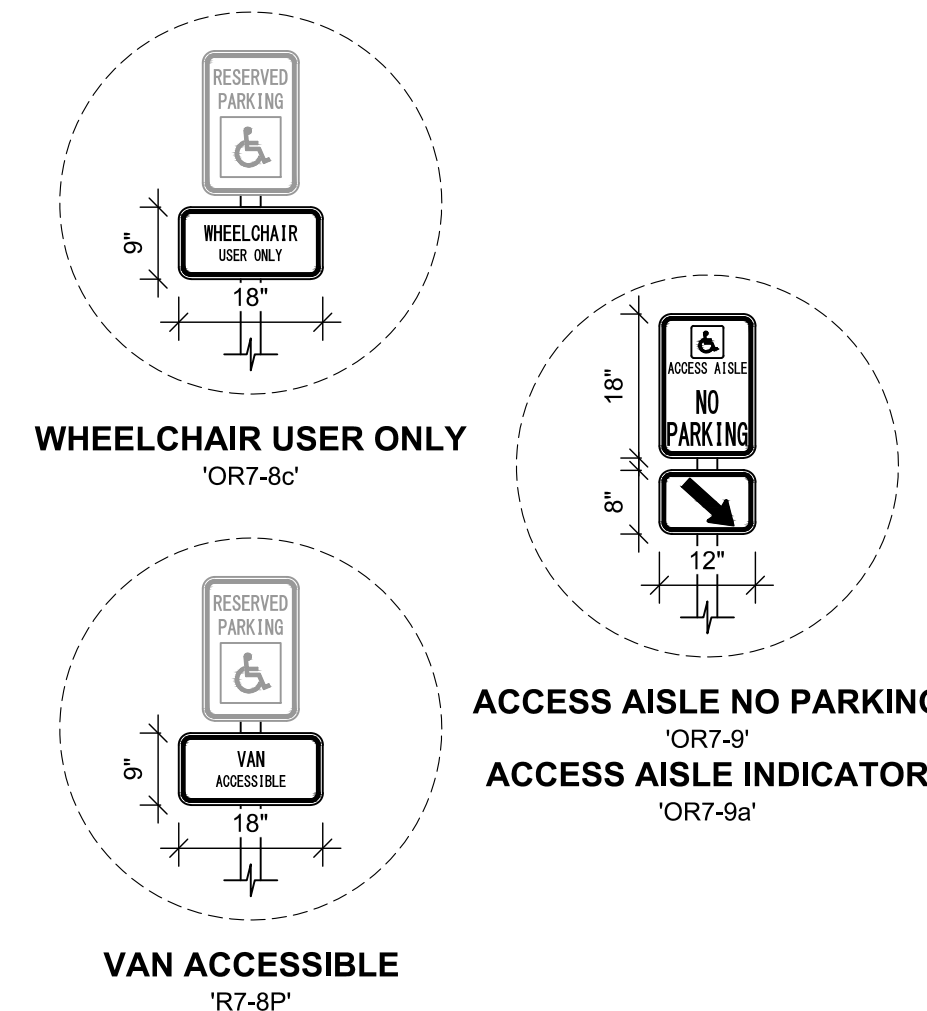
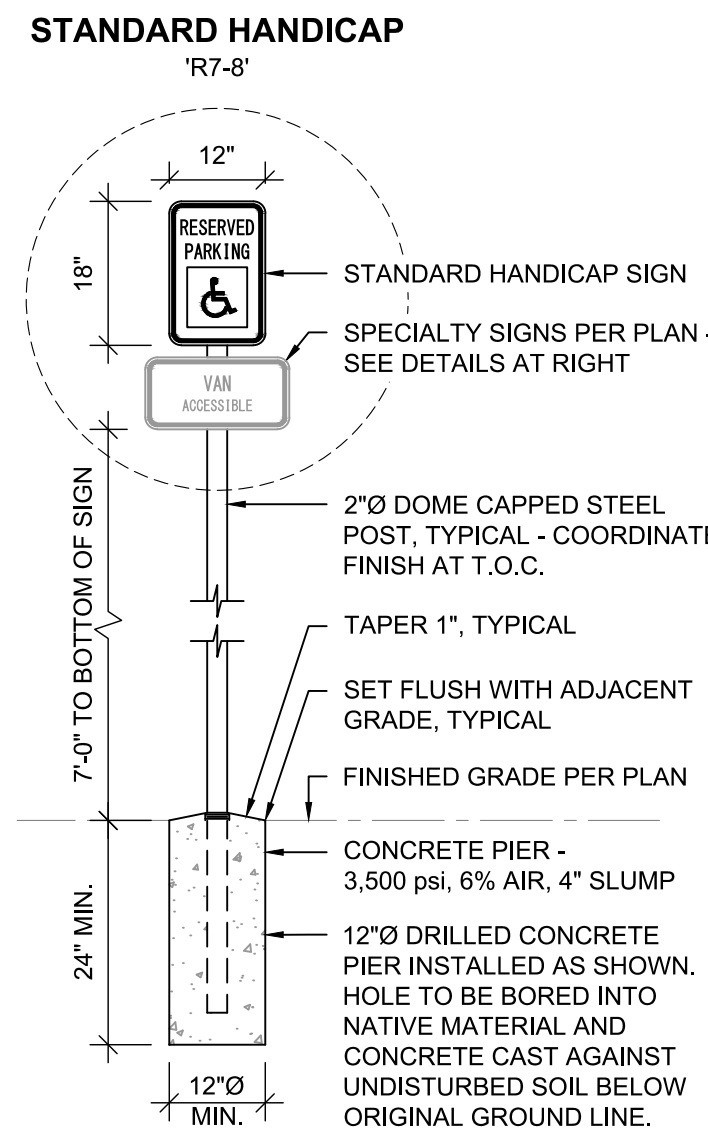
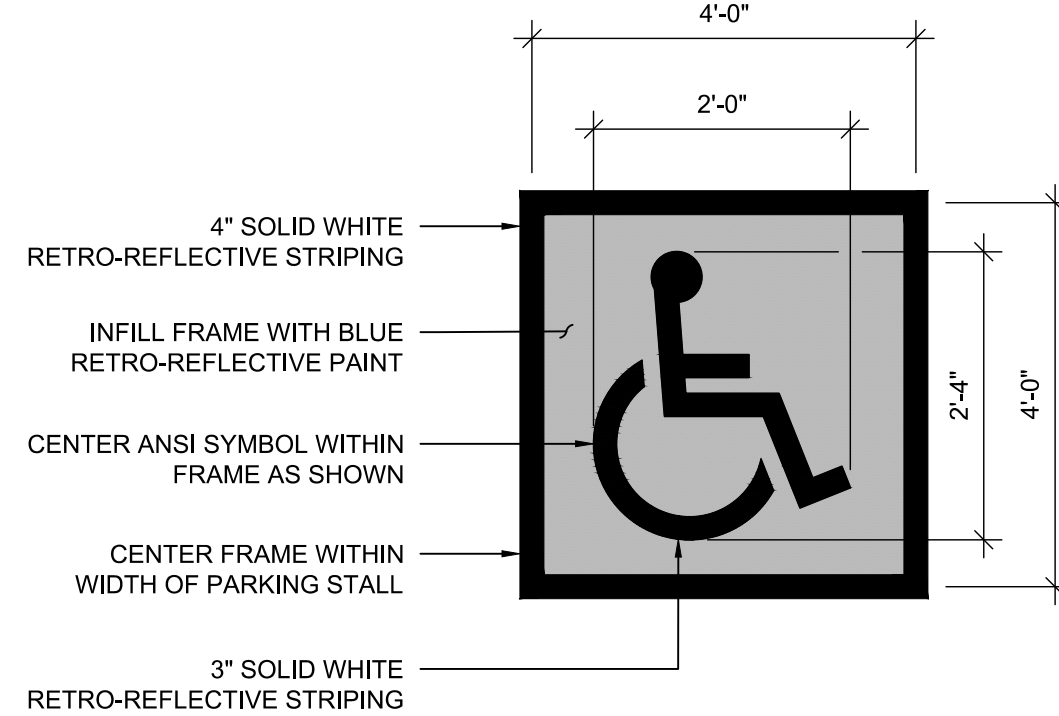
2
C5.00 REINFORCED SIDEWALK SECTION WITH ASPHALT

3
C5.00 SIDEWALK JOINTING DETAILS

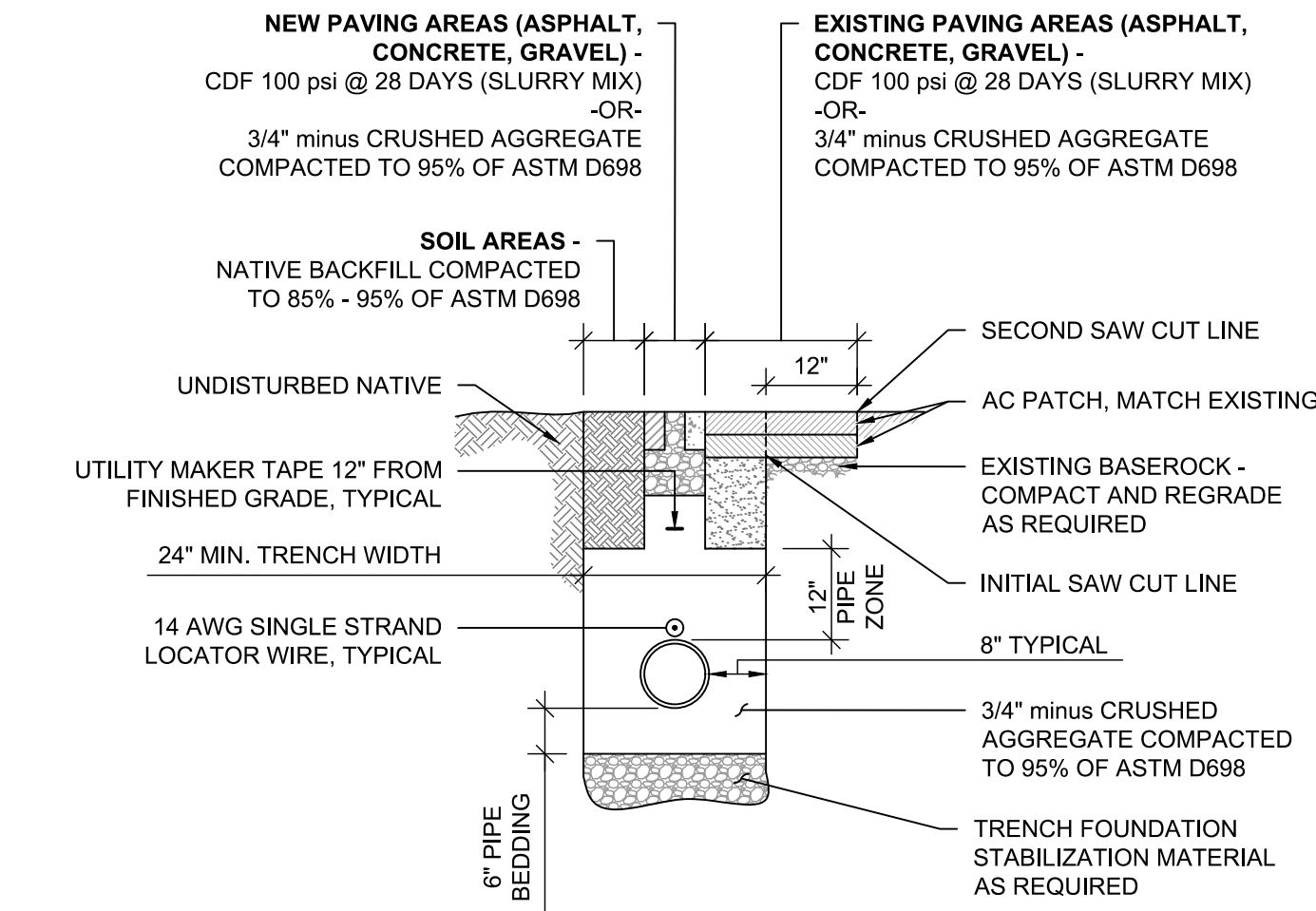
SUBMIT SHOP DRAWINGS FOR ENGINEER
APPROVAL PRIOR TO CONSTRUCTION



ALL PAINT SHALL BE FAST DRYING 'TRAFFIC LINE PAINT'
CONFORMING TO ODOT STANDARD SPECIFICATIONS. ALL
STRIPING/PAINT SHALL BE APPLIED TWICE. ALL COLORS AND
SYMBOL PROPORTIONS SHALL COMPLY WITH CURRENT ADA
STANDARDS FOR ACCESSIBLE DESIGN. COORDINATE WITH
ENGINEER IN THE EVENT OF DISCREPANCIES.



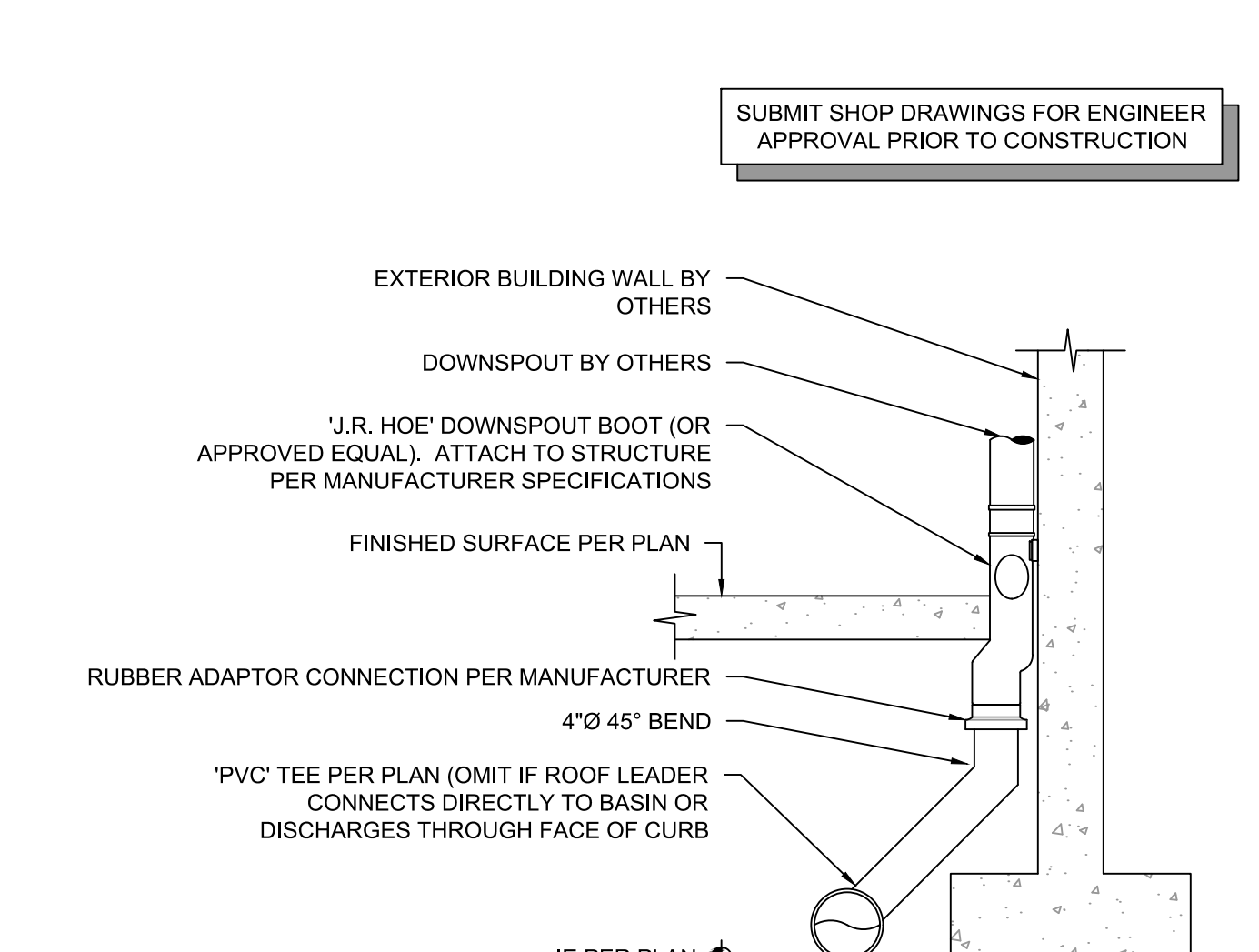
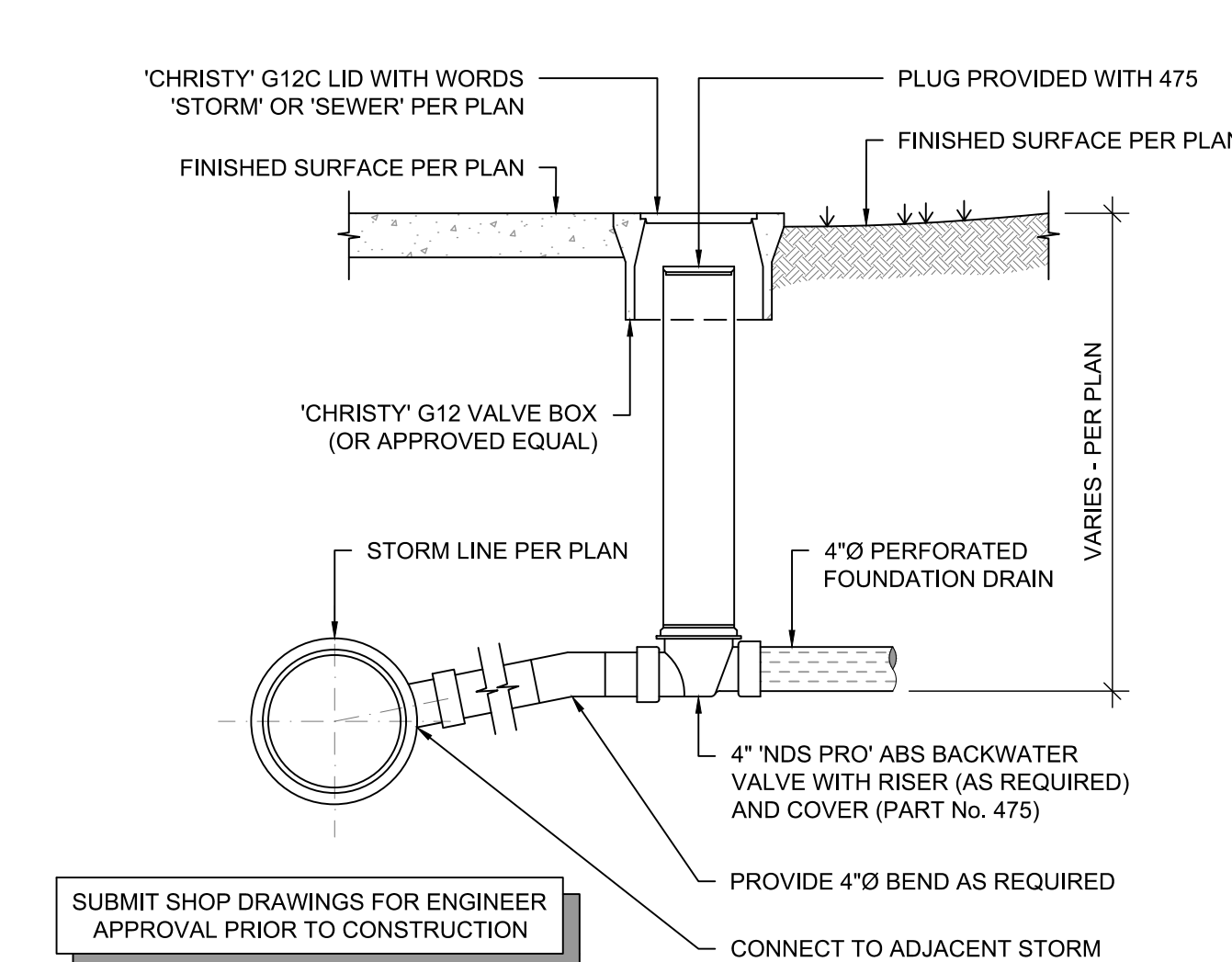
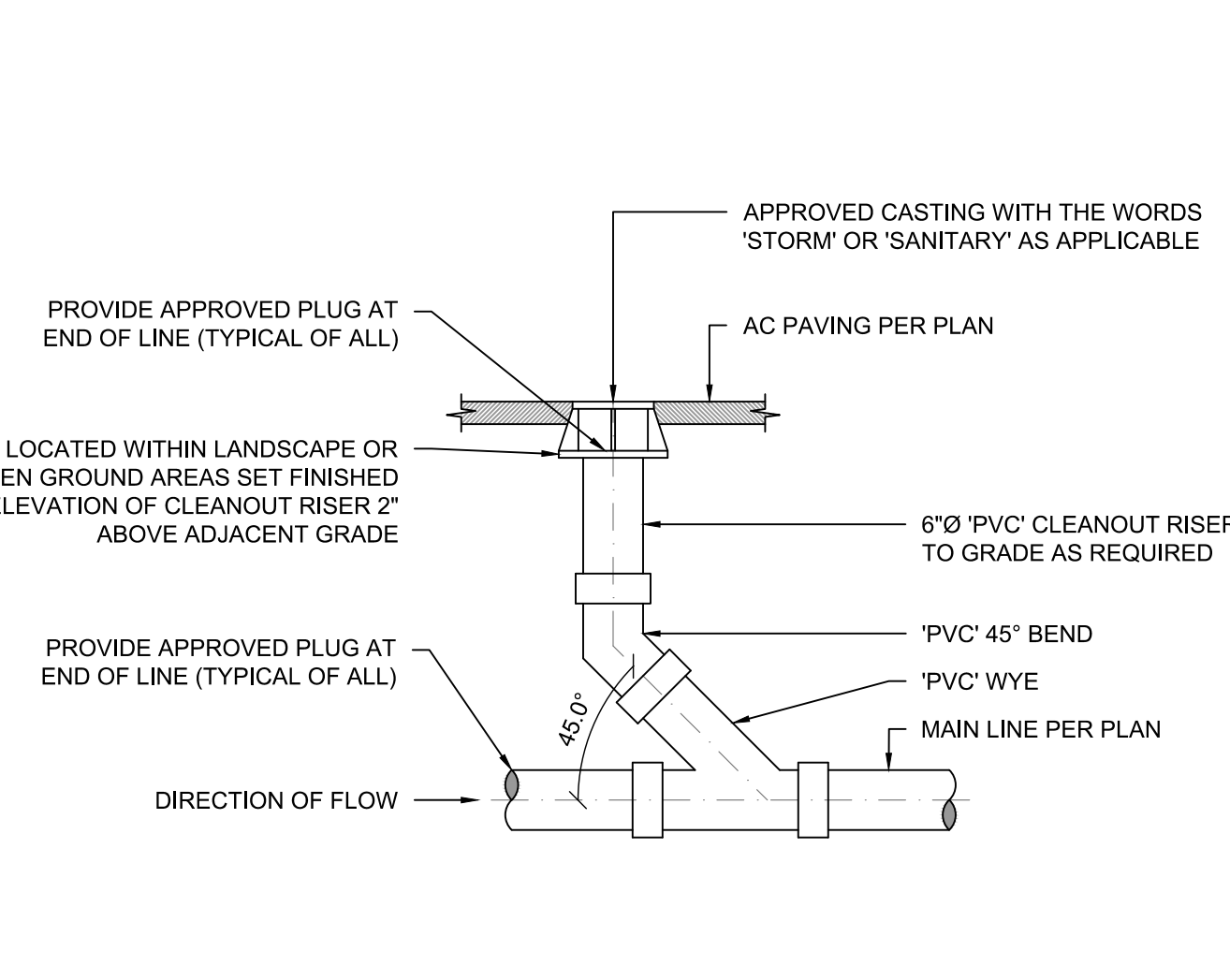
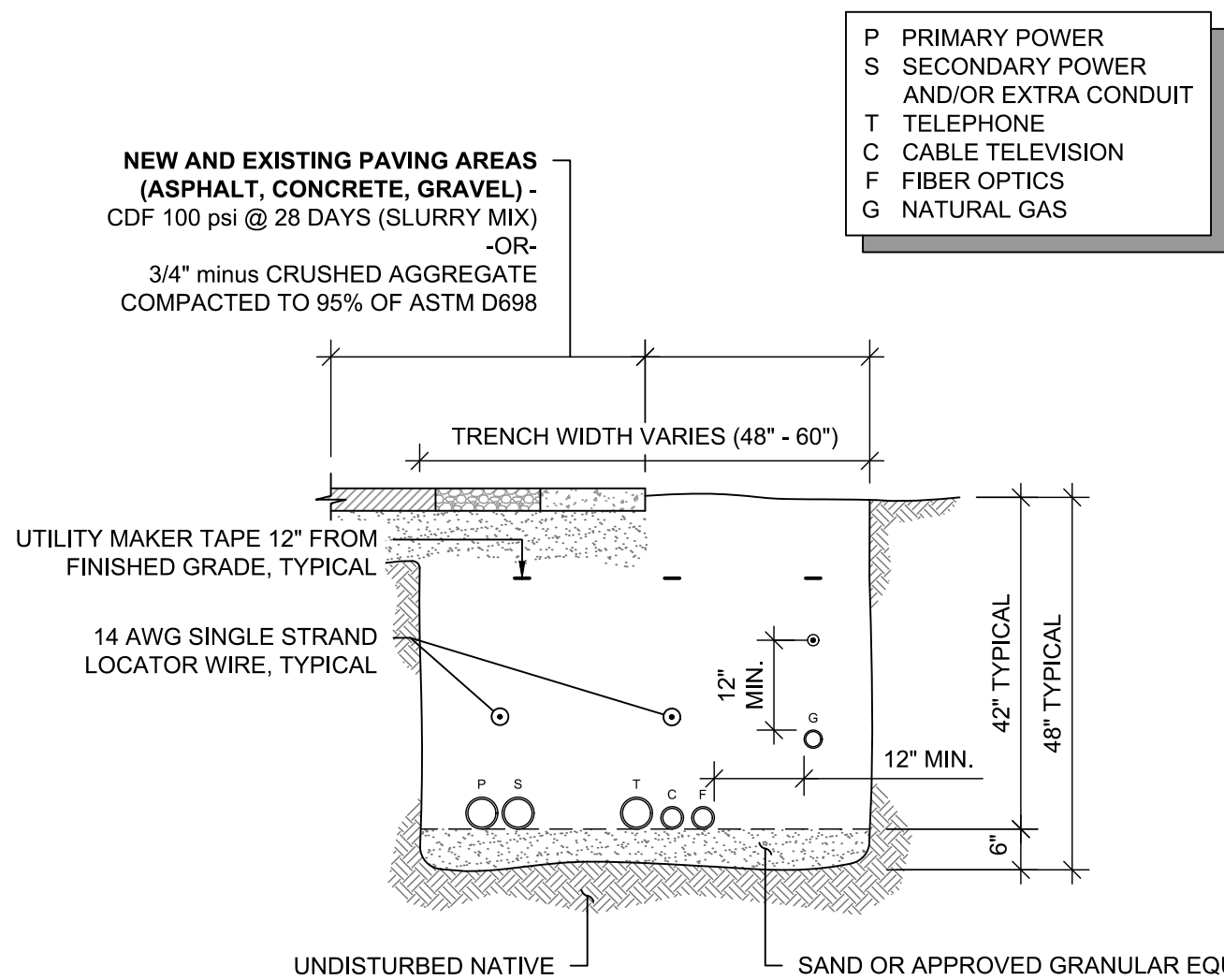
ACCESS AISLE NO PARKING
ACCESS AISLE INDICATOR



4
C5.00 STEEL CATCH BASIN

5
C5.00 ACCESSIBILITY SYMBOL AND SIGNAGE

6
C5.00 TYPICAL PRIVATE WET UTILITY TRENCH SECTION

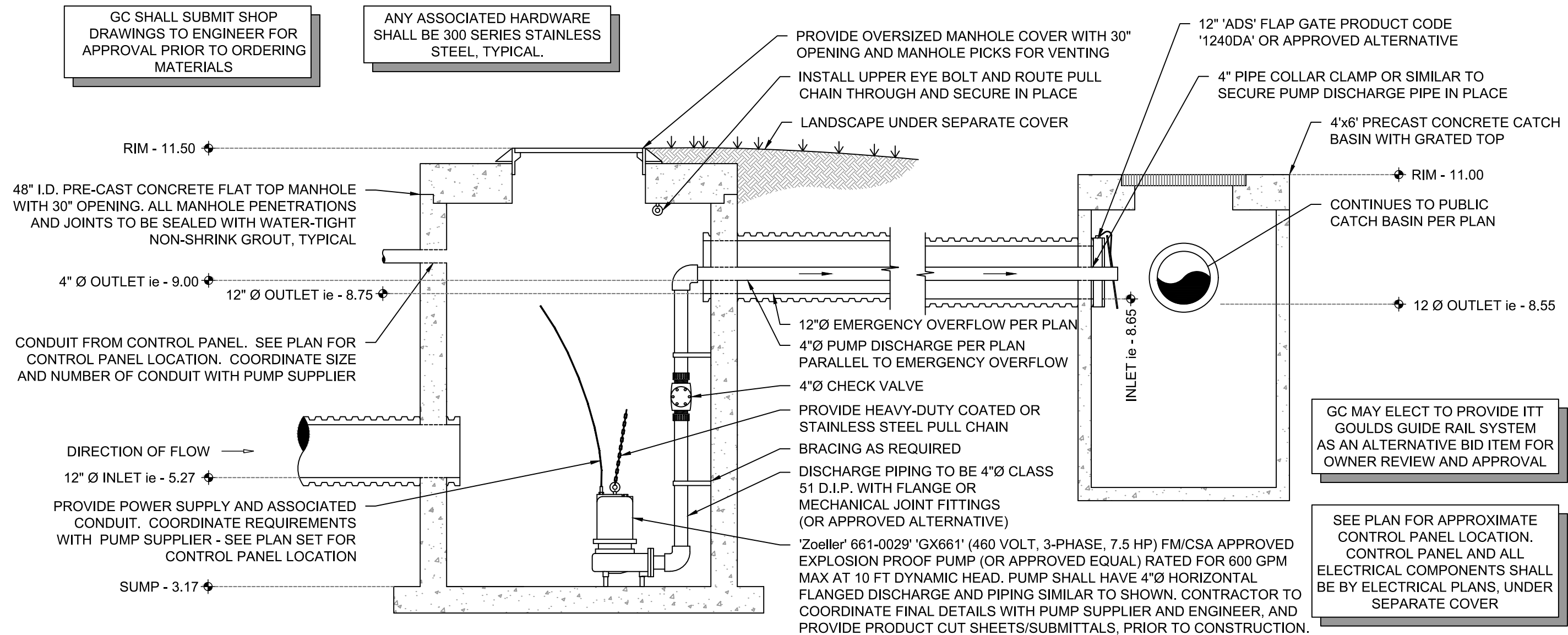


7
C5.00 TYPICAL COMMON DRY UTILITY TRENCH SECTION

8
C5.00 TYPICAL PRIVATE CLEANOUT TO GRADE

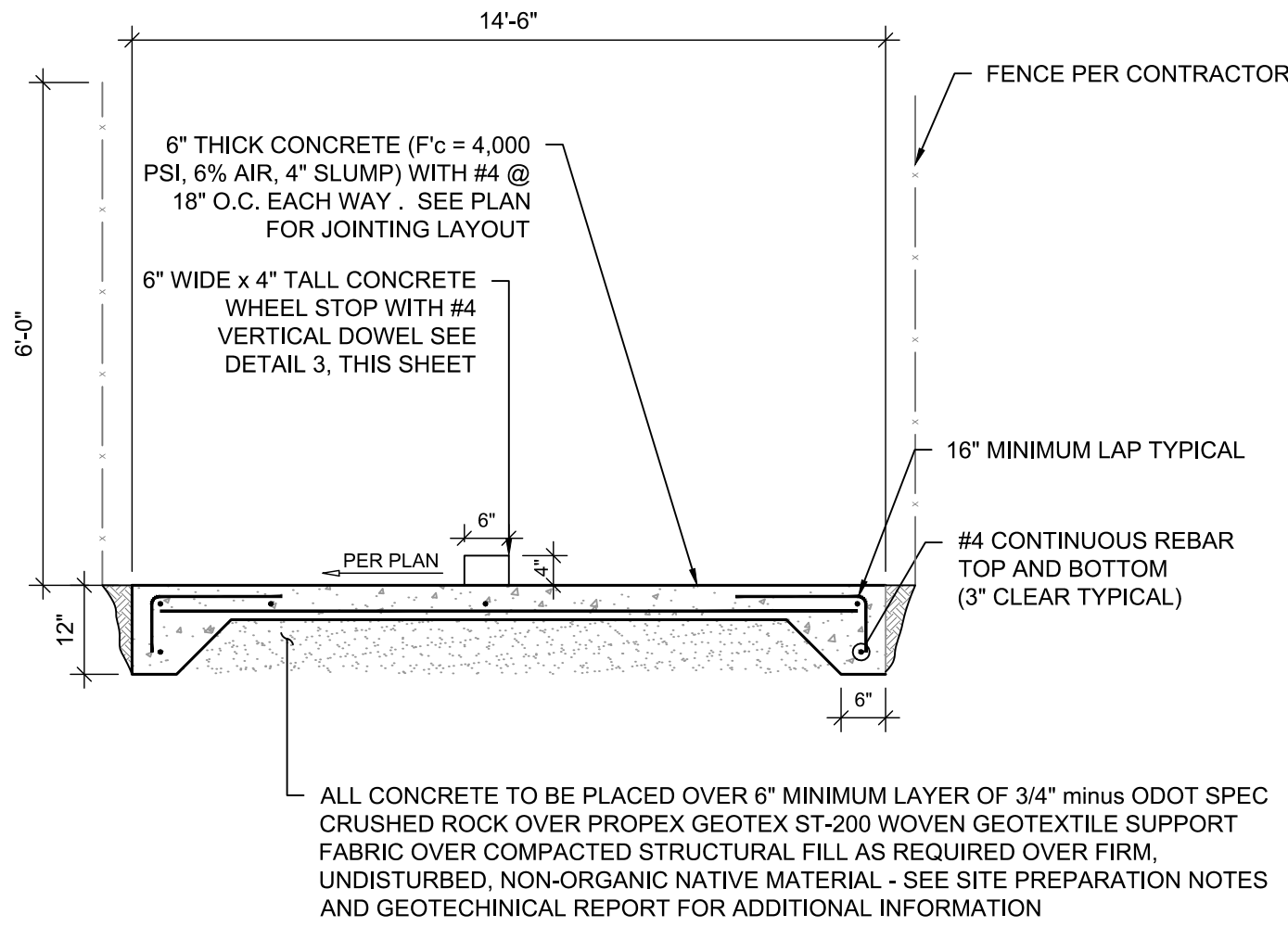
9
C5.00 BACK WATER VALVE

10
C5.00 TYPICAL DOWNSPOUT CONNECTION



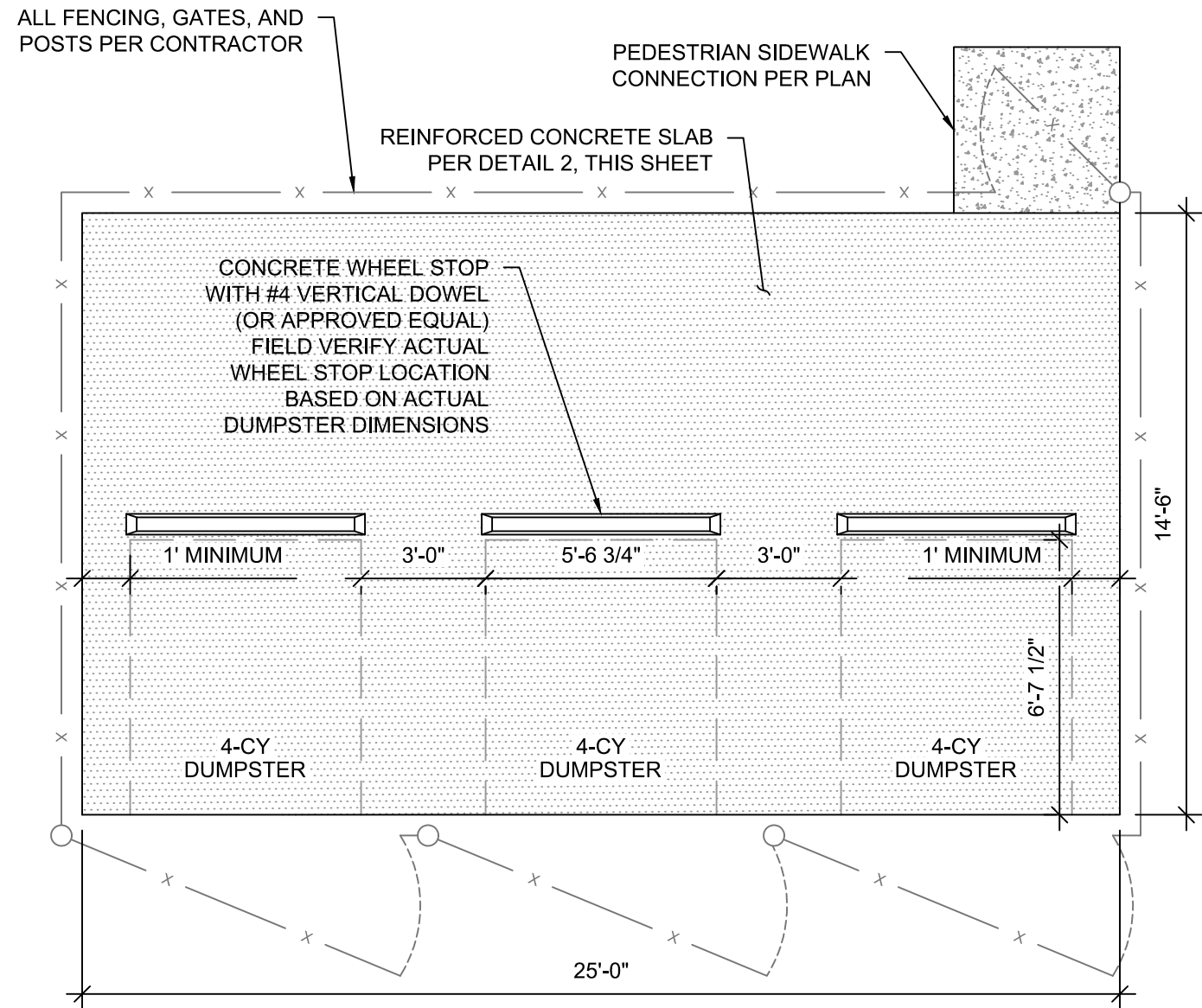
1 STORMWATER PUMP STATION ASSEMBLY AND VAULT

NTS



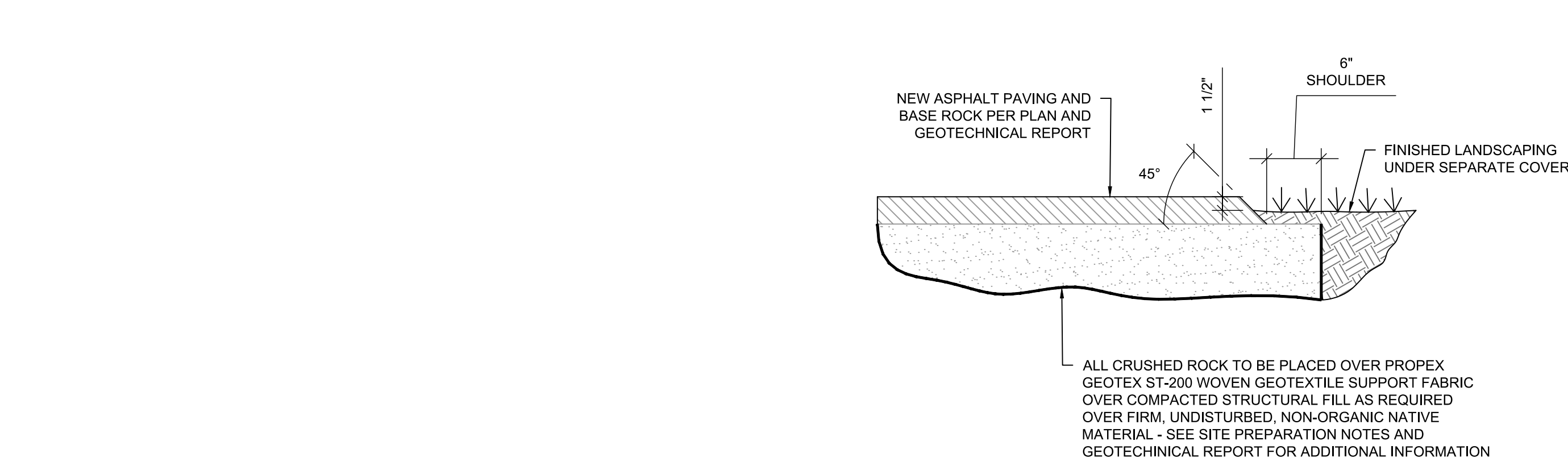
2 TRASH ENCLOSURE SECTION

NTS



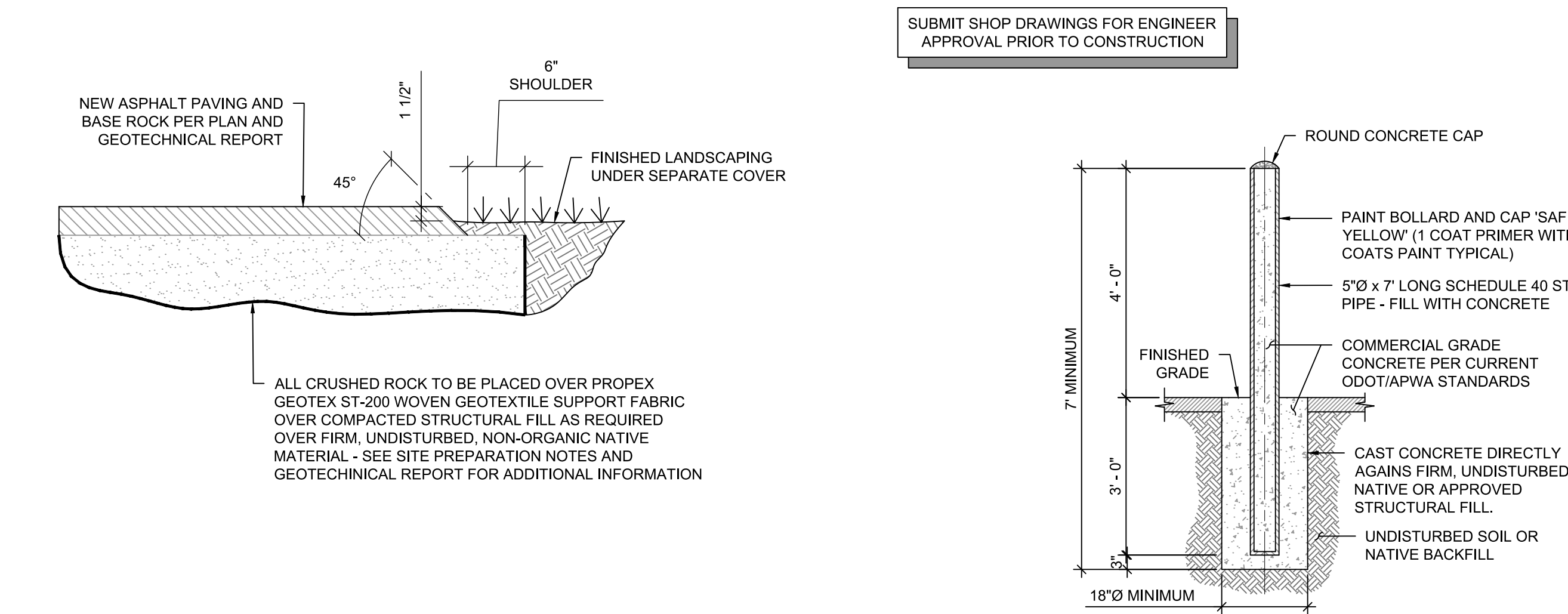
3 TRASH ENCLOSURE LAYOUT

NTS



4 NOT USED

NTS



5 ANGLED ASPHALT EDGE

1"=1'

6 STATIONARY BOLLARD DETAIL

NTS



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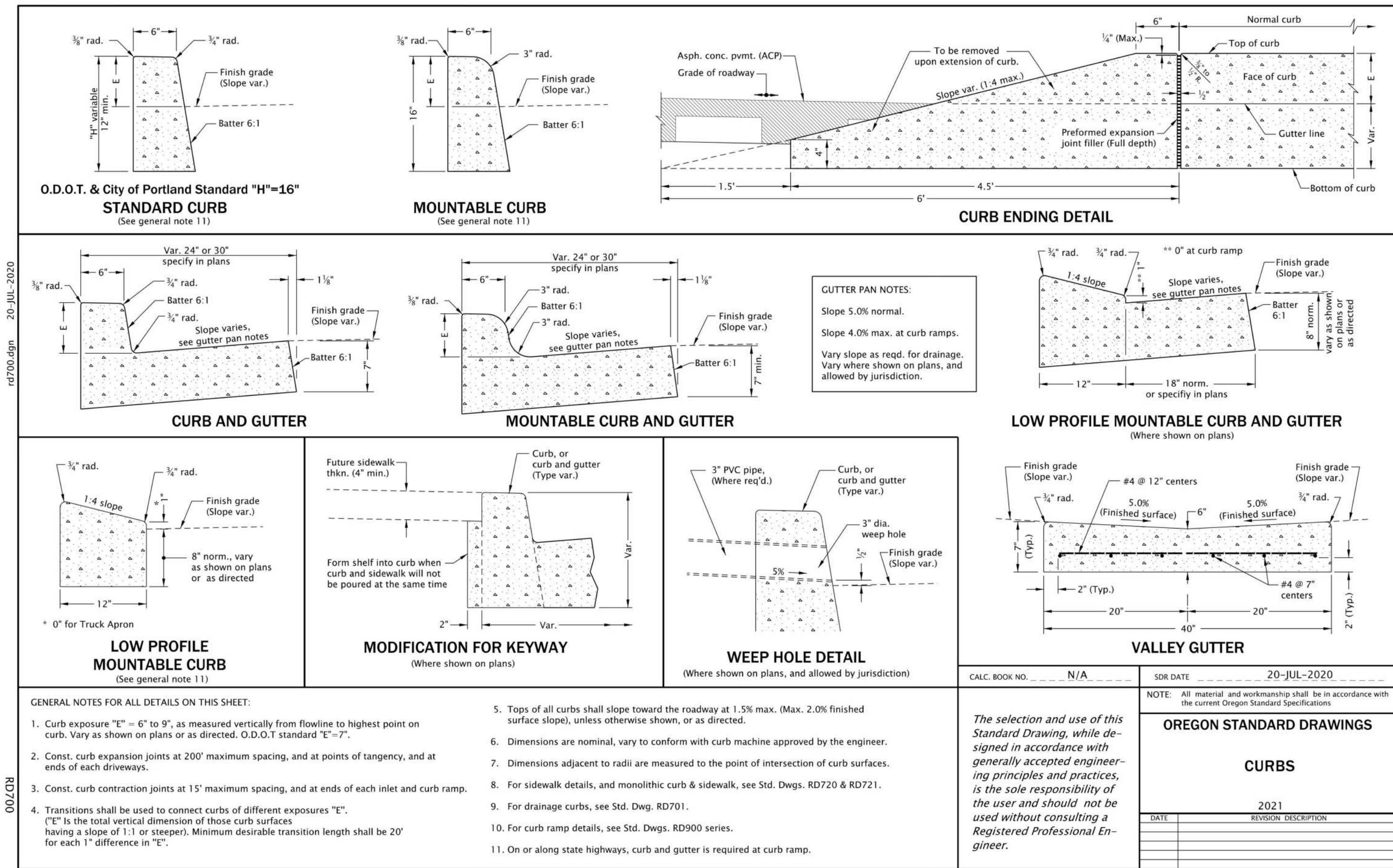
PRIVATE CIVIL
DETAILS

C5.10

CONSTRUCTION DOCUMENTS

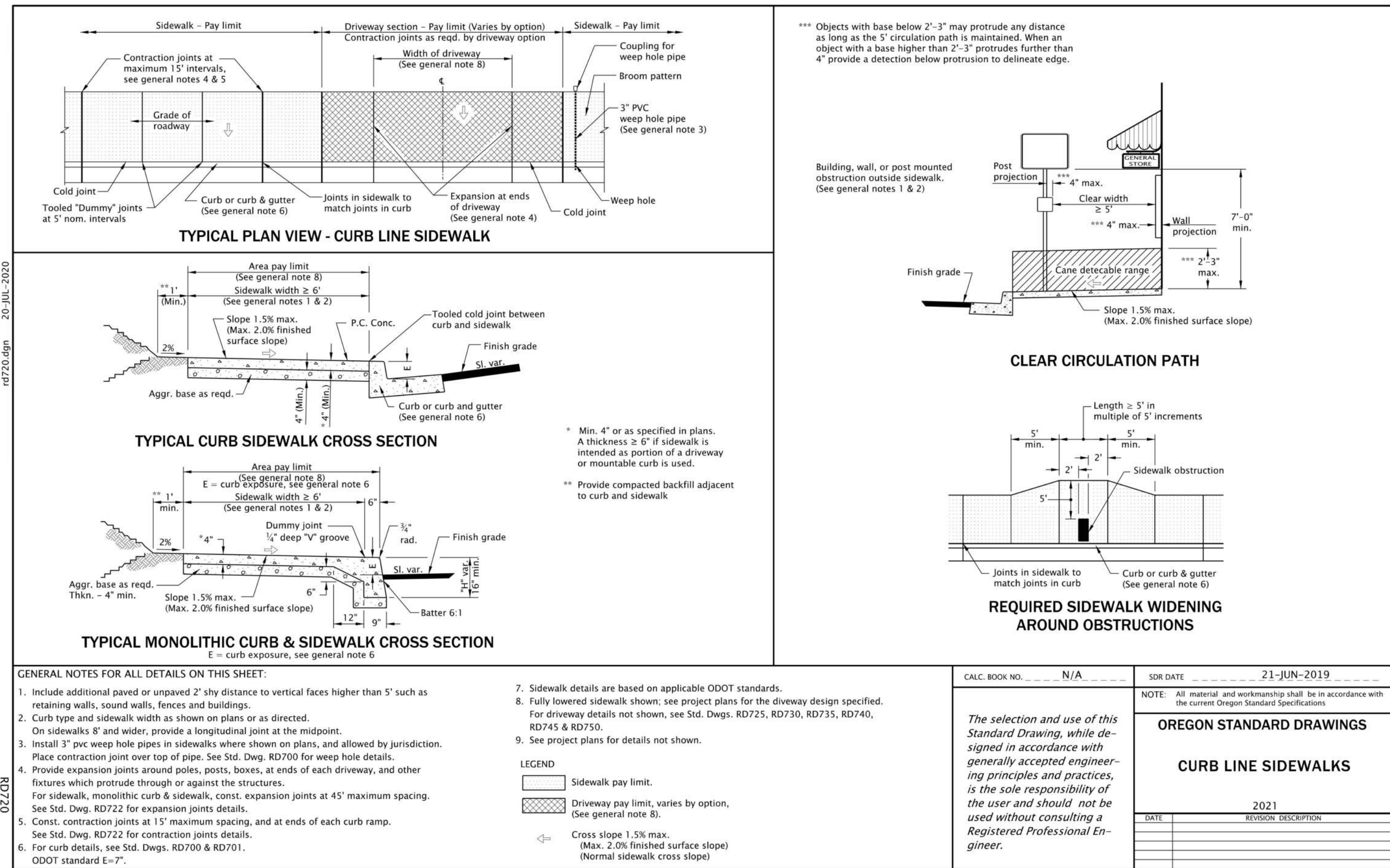
ONE INCH EQUALS FULL SCALE





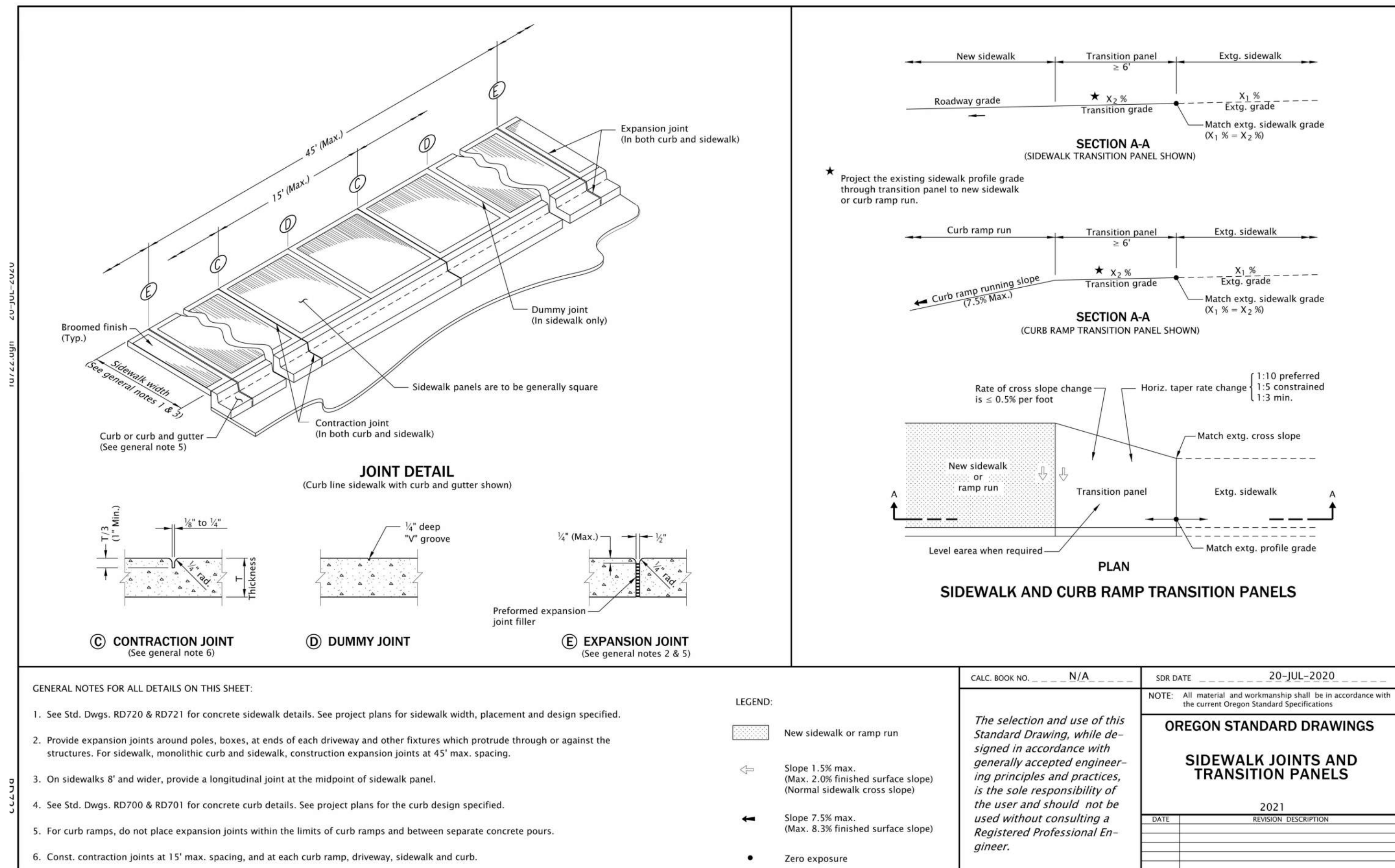
Effective Date: June 1, 2022 – November 30, 2022

RD700



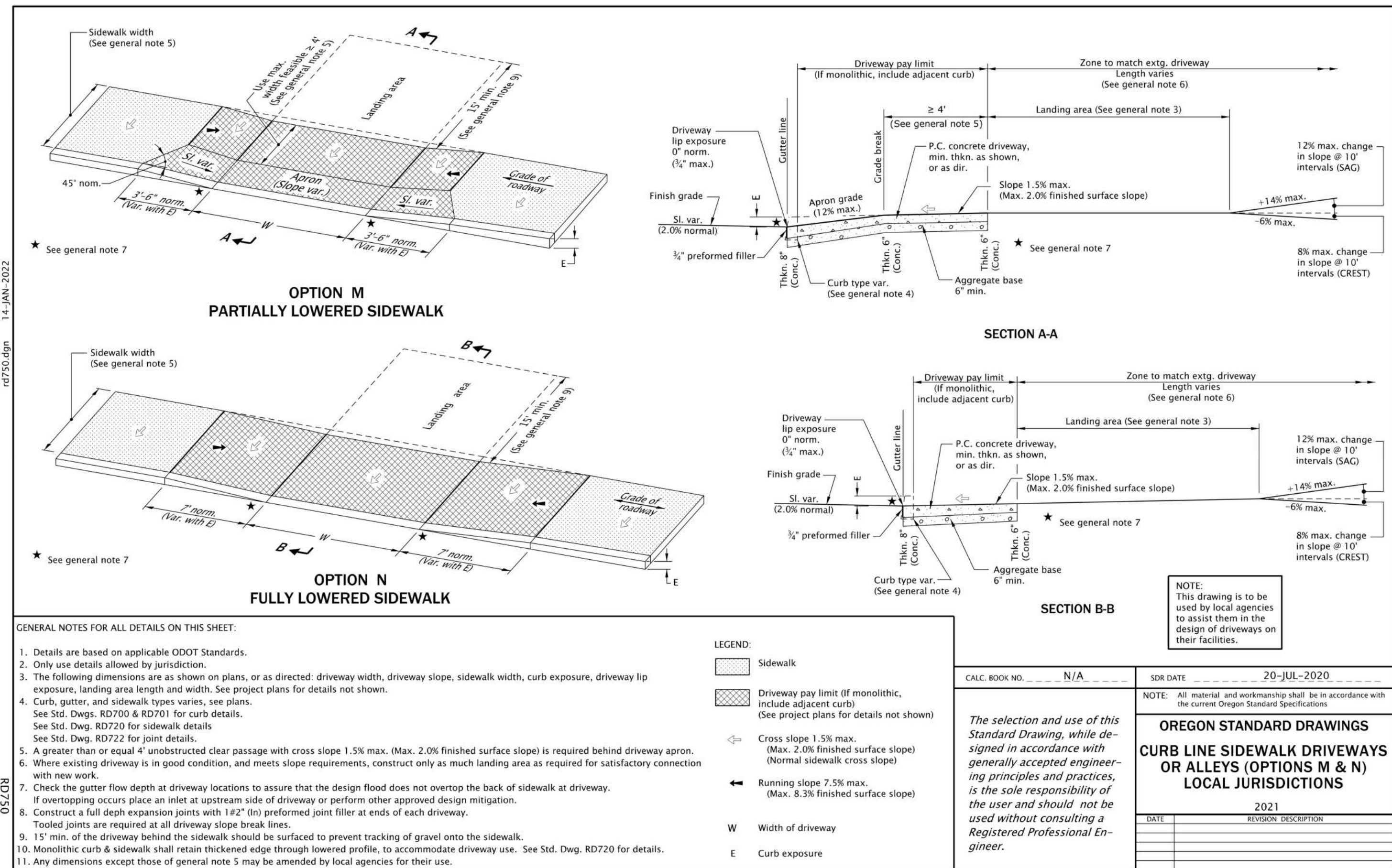
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RD720



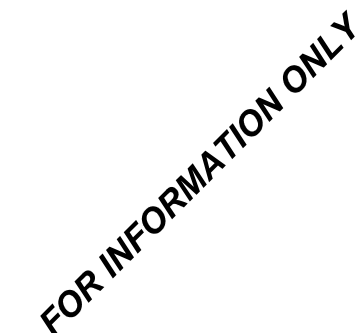
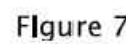
Effective Date: June 1, 2022 – November 30, 2022

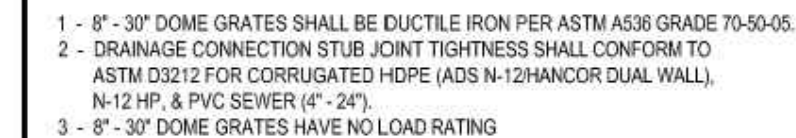
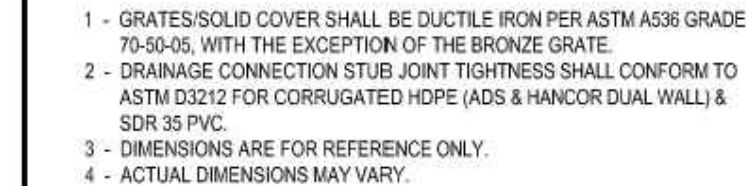
RD722



Effective Date: June 1, 2022 – November 30, 2022

RD750





STOCKPILE MANAGEMENT:

STOCKPILE MANAGEMENT PROCEDURES AND PRACTICES ARE DESIGNED TO REDUCE OR ELIMINATE AIR AND STORM WATER POLLUTION FROM STOCKPILES OF SOIL, SAND, AND PAVING MATERIALS SUCH AS PORTLAND CEMENT CONCRETE (PCC) RUBBLE, ASPHALT CONCRETE (AC), ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB-BASE OR PRE-MIXED AGGREGATE, ASPHALT BINDER (SO CALLED "COLD MIX" ASPHALT) AND PRESSURE TREATED WOOD.

ALL STOCKPILES:

- IF FEASIBLE, LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM INLETS, DRAINAGE COURSES, OR WATER BODIES.
- KEEP STOCKPILES ORGANIZED AND SURROUNDING AREAS CLEAN.
- PROTECT STORM DRAIN INLETS, DRAINAGE COURSES, AND RECEIVING WATERS FROM STOCKPILES, USING DRAIN INLET PROTECTION AND PERIMETER SEDIMENT CONTROLS AS APPROPRIATE.
- IMPLEMENT DUST CONTROL PRACTICES AS APPROPRIATE TO PREVENT WIND EROSION OF STOCKPILED MATERIAL.
- TEMPORARY STOCKPILES NOT REMOVED OR USED BY THE END OF ONE WORKDAY MUST BE MANAGED IN ACCORDANCE WITH THIS BMP AND IN ALL CASES PROTECTED PRIOR TO RAINFALL.

STOCKPILES OF SOIL, PORTLAND CEMENT, SAND, MULCH, CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, OR AGGREGATE SUB-BASE:

- PROTECT STOCKPILES WITH A PERIMETER SEDIMENT BARRIER SUCH AS BERMS, SEDIMENT FENCES, FIBER ROLLS, SAND/GRAVEL BAGS, OR STRAW BALE BARRIERS YEAR ROUND.
- STOCKPILES SHOULD ADDITIONALLY BE COVERED OR STABILIZED AS NECESSARY DURING SIGNIFICANT FORECASTED STORM EVENTS (> 0.25 INCHES), PROLONGED PERIODS OF RAIN, AND TO PROTECT FROM WIND EROSION.
- SOIL STOCKPILES MAY BE RETURNED TO THE EXCAVATION IF RAIN IS FORECAST.
- TOPSOIL STOCKPILES SHOULD BE LOW N HEIGHT (IDEALLY <1 METER) AND FLAT AND BE USED WITHIN 6 MONTHS TO PROMOTE HEALTHY SOIL ORGANISMS AND MICROBES. STOCKPILES NOT USED WITHIN 6 MONTHS SHOULD BE RESEEDD WITH A SPECIES THAT IS MYCORRHIZAL DEPENDENT TO AVOID THE DEVELOPMENT OF ANAEROBIC CONDITIONS IN THE STOCKPILE.. IN ADDITION, TOPSOIL STOCKPILES CAN BE TURNED PERIODICALLY TO KEEP ORGANISMS ALIVE FOR LARGER STOCKPILES AND DURING EXTREMELY HOT WEATHER.

STOCKPILES OF "COLD MIX" OR OTHER POLLUTANTS EASILY TRANSPORTED IN STORM WATER (CEMENT, LIME, AND OTHER CAUSTIC AMENDMENTS):

- STOCKPILES SHALL BE PLACED ON PLASTIC OR COMPARABLE MATERIAL AT ALL TIMES.
- STOCKPILS SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).

BAGGED MATERIALS:

- BAGGED MATERIALS SHALL BE PLACED ON PALLETS AT ALL TIMES AND UNDER COVER (PLASTIC SHEETING, INDOORS, ETC.) PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).
- STOCKPILES/STORAGE OF PRESSURE TREATED WOOD WITH COPPER, CHROMIUM, AND ARSENIC OR AMMONIACAL COPPER, ZINC, AND ARSENATE:
- "STOCKPILES" OF TREATED WOOD SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.25 INCHES).

INSPECTION AND MAINTENANCE:

- INSPECT STOCKPILES REGULARLY AND REPAIR AND/OR REPLACE COVERS, AND PERIMETER CONTROLS AS NEEDED.

DUST CONTROL NOTES:

THE GENERAL CONTRACTOR SHALL PROVIDE EXTRA MEASURES FOR DUST CONTROL. DUST CONTROL MEASURES MUST BE IMPLEMENTED TO PREVENT THE SOIL AND ATTACHED POLLUTANTS FROM LEAVING THE SITE. EXTRA MEASURES SHALL BE TAKEN WHERE EXPOSED SOIL IS LIKELY TO BE TRANSPORTED INTO OPEN BODIES OF WATER.

ACCEPTABLE DUST CONTROL MEASURES ARE AS FOLLOWS:

- WATERING
- VEGETATION
- SPRAY-ON ADHESIVES

IF VEGETATION IS THE METHOD TO BE USED:

THE GENERAL CONTRACTOR SHALL NOT CLEAR AND GRUB AREA'S NOT DIRECTLY AFFECTED BY THE CURRENT CONSTRUCTION. LEAVE ALL EXISTING VEGETATION IN PLACE AS TO PREVENT EROSION OF THE EXISTING SOIL BY WIND.

IF SPRAY-ON ADHESIVE IS THE METHOD TO BE USED:

TYPE OF EMULSION	WATER DILUTION	NOZZLE TYPE	APPLY (gall/acre)
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
LATEX	12.5:1	FINE SPRAY	235
RESIN-IN-WATER	4:1	FINE SPRAY	300

SEEDING REQUIREMENTS:

TEMPORARY AND PERMANENT SEED MIX OF RESTORATION AND EROSION CONTROL AREAS SHALL BE HYDROSEEDD PER THE FOLLOWING:

1. SEED MIXTURE SHALL BE 'SUNMARK SEEDS - NATIVE E/C MIX' OR ENGINEER APPROVED EQUAL, CONSISTING OF THE FOLLOWING SPECIFICATIONS:
 - 40% MEADOW BARLEY
 - 35% CALIFORNIA BROME
 - 20% NATIVE RED FESCUE
 - 3% TUFTED HAIRGRASS
 - 2% SPIKE BENTGRASS
2. SEED SHALL BE APPLIED AT A RATE OF 44 POUNDS PER ACRE.
3. APPLY SEED TO ALL DISTURBED SURFACES PER THE ABOVE NOTES TO PROVIDE PERMANENT COVER. PROVIDE ADEQUATE MEASURES TO PREVENT EROSION & DOWNSTREAM SEDIMENT TRANSFER UNTIL PERMANENT COVER IS ESTABLISHED.

EROSION CONTROL

INSPECTION AND MAINTENANCE:

1. ALL INSPECTIONS (SITE CONDITIONS AND FREQUENCIES) SHALL CONFORM TO THE "INSPECTION FREQUENCY TABLE" ON THIS SHEET.
2. NEWLY SEEDED AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE THE GRASS IS GROWING. PROVIDE TEMPORARY IRRIGATION AS REQUIRED TO GERMINATE & ESTABLISH SEED. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
3. IF SEEDED AREAS ARE DAMAGED DUE TO RUNOFF, ADDITIONAL BMP'S MAY BE NEEDED. RE-SEED DAMAGED AREAS IMMEDIATELY. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
4. REFER TO CURRENT OREGON/APWA STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

CONCRETE MANAGEMENT:

CONCRETE TRUCKS AND TRANSFER CHUTES SHALL BE WASHED-OUT ON-SITE UTILIZING A CONCRETE WASHOUT TO COLLECT ALL WASH WATER AND CONCRETE WASTE. THE WASHOUT AREA WILL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES. SIGNS WILL BE POSTED THROUGHOUT THE JOBSITE, DIRECTING CREWS AND CONCRETE TRUCKS TO CONCRETE WASHOUTS. UPON COMPLETION OF THE CONCRETE WORK, THE CONTRACTOR SHALL BREAK UP, REMOVE, AND HAUL AWAY OR REUSE ON SITE SOLID CONCRETE THAT HAS ACCUMULATED IN THE WASHOUT.

CONSTRUCTION SPECIFICATIONS:

MATERIAL USE:

- INSTALL STORM DRAIN PROTECTION AT ANY DOWN-GRADIENT INLETS THAT MAY BE IMPACTED BY THE ACTIVITY. SEE THE BMP ON "STORM DRAIN INLET PROTECTION."
- DO NOT PLACE CONCRETE DURING RAIN (PRECIPITATION THAT IS SUFFICIENT TO CAUSE LOCAL RUNOFF) OR WITHIN 18 HOURS OF FORECASTED RAIN.
- PLACE STOPPERS ON CONCRETE TRUCK CHUTES DURING TRAVEL ONSITE TO MANAGE POTENTIAL DRIBBLING OF CONCRETE MATERIAL.
- MINIMIZE AMOUNT OF CURING COMPOUND AND FORM OIL USED AND DO NOT OVERSPRAY ONTO A NON-TARGET SURFACE.
- SANDBLASTING: USE SHROUDS WHERE NECESSARY TO CONTAIN WASTE FROM SANDBLASTING. CONDUCT WORK IN ACCORDANCE WITH APPLICABLE AIR QUALITY STANDARDS. COLLECTED DEBRIS FOR PROPER DISPOSAL ASAP AND PRIOR TO RAIN EVENTS.
- MINIMIZE THE AMOUNT OF WATER USED DURING CORING/DRILLING OR SAW CUTTING. DURING WET CORING OR SAW CUTTING, USE A SHOVEL OR WET MANDOR SPILLS: MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. THAT CAN BE CONTROLLED BY THE FIRST RESPONDER AT THE DISCOVERY OF THE SPILL. CONTROL OF MINOR SPILLS INVOLVES:
 1. CONTAIN THE SPILL IMMEDIATELY.
 2. RECOVER SPILLED MATERIALS (IF POSSIBLE).
 3. CLEAN THE CONTAMINATED AREA AND DISPOSE OF CONTAMINATED MATERIALS.
- ACID WASHING OF CONCRETE SHALL BE MINIMIZED. WHERE REQUIRED, ACID WASH SHALL BE DIRECTED INTO A COLLECTION AREA LINED WITH VISQUEEN. RESIDUALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF AS HAZARDOUS WASTE.
- HANDLING OF WET CONCRETE, SUCH AS MOVING A PUMPER CHUTE OR TRANSPORTING MATERIAL IN A WHEELBARROW FROM THE DELIVERY TRUCK, MUST BE PERFORMED IN A CONTROLLED MANNER TO PREVENT DRIPS AND SPILLS OUTSIDE THE TARGET POUR AREA. MINIMIZE WATER USE.
- CONCRETE DRIPS, SPILLS, OVER POURS, AND EQUIPMENT RINSE WATER LANDING ON RAIN-EXPOSED OUTSIDE OF ANY BMP DEVICE MUST BE COLLECTED AND HAVE THE SURFACE CLEANED AND WASTE DISPOSED OF PROPERLY PRIOR TO THE END OF THE WORKDAY OR BEFORE THE NEXT RAIN EVENT. CONCRETE-ADEN EQUIPMENT IMPLEMENTS (E.G., CRANE BUCKETS) MUST BE STORED ON TOP OF HEAVY MIL PLASTIC UNTIL DRY. USED FORMS THAT ARE NOT IMMEDIATELY PLACED INTO A HAUL TRUCK WHEN REMOVED FROM FOUNDATIONS MUST ALSO BE TEMPORARILY STAGED OVER PLASTIC SHEETING OR AN EQUIVALENT UNTIL RINSED, WIPED, OR DRIED OR UNTIL HAULED OFFSITE.

WASTE MANAGEMENT:

- DO NOT DISCHARGE CONCRETE RESIDUE OR PARTICULATE MATTER INTO A STORM DRAIN INLET OR WATERCOURSE.
- EXCESS CONCRETE SHALL NOT BE DUMPED ON-SITE. THE FOLLOWING OPTIONS SHALL BE USED FOR CONCRETE TRUCK CHUTE AND/OR PUMP AND HOSE WASHOUT:

CONCRETE WASHOUTS: WASHOUT STATIONS CAN BE A PLASTIC LINED TEMPORARY PIT OR BERMED AREA DESIGNED WITH SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS PLUS ENOUGH CAPACITY FOR RAINWATER. THE DESIGNATED AREA SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS, OR WATERCOURSES. NEW WASHOUTS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUFFICIENT WASHOUT CAPACITY ON-SITE. WASTES OTHER THAN CONCRETE (I.E., TRASH, PAINT WASTES ETC.) SHALL NOT BE DISPOSED OF IN THE WASHOUT.

INSPECTION AND MAINTENANCE:

- RESPONSIBLE PERSONNEL SHALL ENSURE THAT ALL CONCRETE TRUCK DRIVERS ARE INSTRUCTED ABOUT PROJECT PRACTICES WHEN THE TRUCKS ARRIVE ON SITE.
- CLEAN OUT DESIGNATED WASHOUT AREAS AS NEEDED OR AT A MINIMUM WHEN THE WASHOUT IS 75 PERCENT FULL TO MAINTAIN SUFFICIENT CAPACITY THROUGHOUT THE PROJECT DURATION.
- ANY DESIGNATED ONSITE WASHOUT AREAS SHALL BE CLEANED OUT AND ALL DEBRIS REMOVED UPON PROJECT COMPLETION. DISPOSE OF CONCRETE WASTE ACCORDING TO THE BMP ON "SOLID WASTE MANAGEMENT."
- INSPECT ROUTINELY. WHEN APPLICABLE ACTIVITIES ARE UNDERWAY TO ENSURE THAT CONCRETE WASHOUT DOES NOT OVERFLOW AND THAT FREEBOARD IS ADEQUATE TO CONTAIN CONCRETE AND RAIN.

PAVING OPERATIONS MANAGEMENT:

IN ORDER TO REDUCE THE POTENTIAL FOR THE TRANSPORT OF POLLUTANTS IN STORM WATER RUNOFF FROM PAVING OPERATIONS, PAVING SHALL NOT TAKE PLACE WITHIN 72 HOURS OF A PREDICTED SIGNIFICANT (>0.10") STORM EVENT. IF PAVING DOES OCCUR WITHIN 72 HOURS OF A SIGNIFICANT STORM EVENT, CATCH BASIN FILTERS OR OTHER APPROPRIATE BMP'S SHALL BE UTILIZED TO TRAP HYDROCARBONS.

CONSTRUCTION SPECIFICATIONS:

- PROTECT STORM DRAIN INLETS NEAR WORK AND DOWN GRADIENT OF WORK AREAS DURING SAW CUTTING, PAVING, OR GRINDING OPERATIONS.
- SAW-CUT SLURRY SHALL BE SHOVELED, VACUUMED AND REMOVED FROM SITE.
- PAVING MATERIALS AND MACHINERY SHALL BE STORED AWAY FROM STORM DRAINS AND WATER BODIES AND SECONDARY CONTAINMENT WILL BE USED TO CATCH DRIPS, LEAKS OR SPILLS WHERE APPLICABLE.
- IF ONSITE MIXING IS PLANNED THEN AN AREA SHALL BE DESIGNATED FOR CONDUCTING THE MIXING. THIS AREA SHALL BE PAVED OR MADE IMPERVIOUS (E.G., PLASTIC OR WOOD SHEETING) AND BE LOCATED AWAY FROM STORM DRAIN INLETS OR WATERCOURSES.
- MINIMIZE OVERSPRAY OF TACKIFYING EMULSIONS OR PLACEMENT OF OTHER PAVING MATERIALS BEYOND THE LIMITS OF THE AREA TO BE PAVED.
- USE DRY METHODS TO CLEAN EQUIPMENT AND CONDUCT CLEANING IN ACCORDANCE WITH THE BMP ON "VEHICLE AND EQUIPMENT CLEANING."
- MATERIAL USE AND STOCKPILES SHALL BE MANAGED IN ACCORDANCE WITH BMP'S ON "MATERIAL USE" AND "STOCKPILE MANAGEMENT."
- COLLECT AND REMOVE ALL BROKEN ASPHALT AND CONCRETE OR EXCESS MATERIALS. RECYCLE WHEN FEASIBLE AND DISPOSE OF MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- DO NOT APPLY ASPHALT, CONCRETE PAVING SEAL COAT, TACK COAT, SLURRY SEAL OR FOG SEAL IF RAIN IS EXPECTED DURING THE APPLICATION OR CURING PERIOD.
- AVOID IF POSSIBLE, TRANSFERRING, LOADING, OR UNLOADING PAVING MATERIALS NEAR STORM DRAIN INLETS OR WATERCOURSES. IF NOT POSSIBLE, USE BMP ON STORM DRAIN INLET PROTECTION.

INSPECTION AND MAINTENANCE:

- INSPECT AND MAINTAIN EQUIPMENT AND MACHINERY ROUTINELY TO MINIMIZE LEAKS AND DRIPS.
- INSPECT INLET PROTECTION MEASURES ROUTINELY.

SPILL PREVENTION AND CONTROL PROCEDURES:

CONSTRUCTION SPECIFICATIONS:

- THE CONTRACTOR SHALL PREPARE A SITE/PROJECT SPECIFIC SPILL RESPONSE PLAN THAT IDENTIFIES THE TYPE AND LOCATION OF PRODUCTS OR WASTES ON THE SITE WITH SPILL POTENTIAL, THE LOCATION OF SPILL CLEANUP MATERIALS, STORM DRAINS OR SENSITIVE AREAS THAT REQUIRE IMMEDIATE RESPONSE, PERSONNEL RESPONSIBLE FOR SPILL RESPONSE AND NOTIFICATIONS, AND SPILL CLEANUP PROCEDURES.
- AVOIDING SPILLS AND LEAKS IS PREFERABLE TO CLEANING THEM UP AFTER THEY OCCUR. HEAVY EQUIPMENT (E.G., BELLOZZERS AND OTHER GRADING EQUIPMENT) AND VEHICLES SHOULD BE INSPECTED DAILY (OR AS OFTEN AS POSSIBLE) FOR LEAKS AND SHOULD BE REPAIRED AS NECESSARY. USE SECONDARY CONTAINMENT AND DRIP PANS FOR VEHICLE FUELING, MAINTENANCE, AND STORAGE (SEE BMP FOR "VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE."
- DESPITE PRECAUTIONS, SPILLS MAY STILL OCCUR AT THE SITE. SPILLS (OF LIQUID OR DRY MATERIALS) SHOULD NEVER BE CLEANED UP BY HOSING OFF THE AREA. IN THE EVENT THAT SPILLS OCCUR THEY SHOULD BE CONTROLLED AS FOLLOWS:
 - ANY FUEL PRODUCTS, LUBRICATING FLUIDS, GREASE OR OTHER PRODUCTS AND/OR WASTE RELEASED FROM VEHICLES, EQUIPMENT, OR OPERATIONS SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE, FEDERAL, AND LOCAL LAWS.
 - IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, THE AREA WILL BE COVERED AS QUICKLY AS POSSIBLE. THE SPILL WILL BE CLEANED UP AS SOON AS POSSIBLE DURING OR AFTER CESSATION OF RAIN.
 - SPILL CLEANUP MATERIALS WILL BE STORED NEAR POTENTIAL SPILL AREAS (E.G., PAINTING, VEHICLE MAINTENANCE AREAS).
 - MINOR SPILLS: MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. THAT CAN BE CONTROLLED BY THE FIRST RESPONDER AT THE DISCOVERY OF THE SPILL. CONTROL OF MINOR SPILLS INVOLVES:
 1. CONTAIN THE SPILL IMMEDIATELY.
 2. RECOVER SPILLED MATERIALS (IF POSSIBLE).
 3. CLEAN THE CONTAMINATED AREA AND DISPOSE OF CONTAMINATED MATERIALS.

MEDIUM-SIZED SPILLS:

- MEDIUM-SIZED SPILLS STILL CAN BE CONTROLLED BY THE FIRST RESPONDER, ALONG WITH THE AID OF OTHER PERSONNEL SUCH AS LABORERS, FOREMEN, ETC. THIS RESPONSE MAY REQUIRE THE CESSATION OF OTHER ACTIVITIES. SPILLS SHOULD BE CLEANED UP IMMEDIATELY, AS FOLLOWS:

1. NOTIFY THE PROJECT FOREMAN IMMEDIATELY. THE FOREMAN/SUPERINTENDENT IS RESPONSIBLE FOR ANY NECESSARY NOTIFICATIONS (FIRE DEPARTMENT ETC.).
2. CONTAIN THE SPREAD OF THE SPILL (USING SAND BAGS OR OTHER BARRIERS) IMMEDIATELY.
3. IF THE SPILL HAS OCCURRED ON A PAVED OR IMPERMEABLE SURFACE, CLEAN IT UP USING DRY METHODS (ABSORBENT MATERIALS, AT LITTER, AND/OR RAGS). CONTAIN THE SPILL BY ENCIRCLING IT WITH ABSORBENT MATERIALS.
4. IF THE SPILL HAS OCCURRED ON AN UNPAVED OR PERMEABLE SURFACE, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE. DIG UP AND PROPERLY DISPOSE OF CONTAMINATED SOIL.
5. IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, COVER/CONTAIN THE AREA IF POSSIBLE.

SIGNIFICANT/HAZARDOUS SPILLS:

- FOR LARGE SPILLS OR SPILLS INVOLVING HAZARDOUS MATERIALS THAT CANNOT BE CONTROLLED BY PROJECT PERSONNEL, THE FOLLOWING STEPS SHOULD BE TAKEN:

1. THE FOREMAN SHOULD NOTIFY THE PROJECT SUPERINTENDENT IMMEDIATELY AND FOLLOW UP WITH A WRITTEN INCIDENT REPORT.
2. THE PROJECT SUPERINTENDENT WILL NOTIFY LOCAL EMERGENCY RESPONSE PERSONNEL BY DIALING 911. IN ADDITION, THE PROJECT SUPERINTENDENT WILL NOTIFY THE APPROPRIATE COUNTY OFFICIALS. IT IS THE PROJECT SUPERINTENDENT'S RESPONSIBILITY TO HAVE ALL OF THE EMERGENCY PHONE NUMBERS AT THE CONSTRUCTION SITE.
3. THE PROJECT SUPERINTENDENT WILL ALSO NOTIFY THE OREGON DEQ.
4. FOR SPILLS OF FEDERAL REPORTABLE QUANTITY (AS ESTABLISHED UNDER 40 CFR PARTS 110, 117, OR 302), THE PROJECT SUPERINTENDENT WILL NOTIFY THE NATIONAL RESPONSE CENTER BY TELEPHONE AT (800) 424-8802 WITHIN 24 HOURS. WITHIN 14 DAYS, THE PROJECT SUPERINTENDENT WILL SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO EPA REGION 10, INCLUDING THE DATE AND CIRCUMSTANCES OF THE INCIDENT AND STEPS TAKEN TO PREVENT ANOTHER RELEASE.
5. RETAIN THE SERVICES OF A SPILL CLEANUP CONTRACTOR OR HAZMAT TEAM IMMEDIATELY. CONSTRUCTION PERSONNEL SHOULD NOT ATTEMPT TO CLEAN UP THE SPILL UNTIL THE APPROPRIATE AND QUALIFIED STAFF HAS ARRIVED AT THE SITE.
6. OTHER AGENCIES THAT MAY NEED TO BE CONTACTED INCLUDE THE LOCAL FIRE DEPARTMENT, OREGON DEPARTMENT OF TRANSPORTATION, ETC.

INSPECTION AND MAINTENANCE:

- INSPECT WORK AND MATERIAL STORAGE AREAS ROUTINELY FOR ADEQUATE CONTAINMENT TO AVOID UNCONTROLLED RELEASES.

FINAL EROSION CONTROL SITE PREPARATION:

ALL DISTURBED SOIL AREAS, INCLUDING R.O.W., SHALL BE TREATED AND SEEDED PER THE FOLLOWING NOTES. SEED COMPOSITION SHALL CONSIST OF A NATIVE GRASS BLEND MATCHING SURROUNDING AREA. GRASS SEED MIXTURE TO BE SUBMITTED FOR REVIEW PRIOR TO APPLICATION.

1. ALL FINAL GRADE PREPARATION AND PLANTING/SEEDING SHALL BE COORDINATED WITH THE PROJECT LANDSCAPER AND ENGINEER AT TIME OF CONSTRUCTION.
2. BRING ALL PLANTERBED/SEEDED AREAS TO FINAL GRADE. REMOVE ALL ROCKS AND DEBRIS, AND SMOOTH SURFACE UNDULATIONS LARGER THAN 2 INCHES.
3. DIVERT CONCENTRATED FLOWS AWAY FROM THE PLANTER/SEEDED AREAS.
4. FOR OPTIMUM PLANTING/SEEDING CONDITIONS PRESERVE TOPSOIL AND STOCKPILE MATERIAL UNTIL FINAL GRADES ARE ESTABLISHED. SPREAD TOP SOIL OVER NEW GRADES. SEE PROJECT LANDSCAPER FOR ADDITIONAL INFORMATION RELATED TO TOPSOIL REQUIREMENTS.
5. ROUGHEN THE SOIL BY HARROWING, TRACKING, GROOVING OR FURROWING.
6. THE SEEDED SHOULD BE FIRM BUT NOT COMPACT. THE TOP 4.0-6.0 INCHES OF SOIL SHOULD BE LOOSE, MOIST AND FREE OF LARGE CLODS AND STONES. VERIFY TOPSOIL REQUIREMENTS WITH LANDSCAPER AT TIME OF CONSTRUCTION.
7. HARROWING, TRACKING OR FURROWING SHOULD BE DONE HORIZONTALLY ACROSS THE FACE OF THE SLOPE, SO RIDGES ARE ALONG THE SLOPE CONTOUR.
8. APPLY SEED AT THE RATES SPECIFIED BY SEED SUPPLIER USING CALIBRATED SEED SPREADERS, CYCLONE SEEDERS, MECHANICAL DRILLS, OR HYDROSEEDER SO THAT SEED IS APPLIED UNIFORMLY ON THE SITE. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
9. BROADCAST SEED SHOULD BE INCORPORATED INTO THE SOIL BY RAKING OR CHAIN DRAGGING AND THEN LIGHTLY COMPACTED TO PROVIDE GOOD SEED-SOIL CONTACT. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
10. TO PREVENT SEED FROM BEING WASHED AWAY, CONFIRM INSTALLATION OF ALL REQUIRED SURFACE WATER CONTROL MEASURES.
11. DOUBLE THE RATE OF SEED APPLICATION WHEN SEED IS APPLIED IN A SINGLE APPLICATION. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.

DEWATERING AND PONDED WATER MANAGEMENT:

DEWATERING AND PONDED WATER MANAGEMENT APPLIES TO AREAS WHERE STORM WATER HAS COLLECTED IN LOW SPOTS, TRENCHES OR OTHER DEPRESSIONS AND NEEDS TO BE REMOVED TO PROCEED WITH CONSTRUCTION ACTIVITIES OR FOR VECTOR CONTROL. ALL DEWATERING DISCHARGE ACTIVITIES MUST BE CONDUCTED IN ACCORDANCE WITH LOCAL AGENCY (I.E., LOCAL SEWERAGE AGENCY OR OTHER APPLICABLE AGENCY) PERMIT REQUIREMENTS.

CONSTRUCTION SPECIFICATIONS:

- PONDED STORM WATER SHALL BE SETTLED OR FILTERED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE.
- WATER FROM TRENCH OR EXCAVATION DEWATERING SHALL BE TESTED IF REQUIRED BY APPLICABLE PERMITS AND DISCHARGED IN ACCORDANCE WITH PERMIT PROVISIONS.
- FOR CLEAN PONDED STORM WATER, DEWATERING DISCHARGES (WITHOUT PERMIT REQUIREMENTS), AND AUTHORIZED NON-STORM WATER DISCHARGES, USE ONE OF THE FOLLOWING METHODS FOR DISCHARGE / DISPOSAL AS ALLOWABLE BY LOCAL REQUIREMENTS / AGENCIES AND APPROVED BY THE PROJECT SUPERINTENDENT. WATER SHALL BE CLEAN AND FREE OF SIGNIFICANT SEDIMENT, SURFACTANTS, OR OTHER POLLUTANTS.
- REDUCE SEDIMENT DISCHARGE BY PUMPING WATER FROM THE TOP OF PONDED AREAS USING A FLOATING OR RAISED HOSE.
- USE WATER WHERE POSSIBLE FOR CONSTRUCTION ACTIVITIES SUCH AS COMPACTION AND DUST CONTROL AND LANDSCAPE IRRIGATION. IF USED FOR THESE APPLICATIONS, ENSURE THAT THE WATER WILL INFILTRATE AND NOT RUN-OFF FROM THE LAND TO STORM DRAIN SYSTEMS, TO CREEK BEDS (EVEN IF DRY) OR TO RECEIVING WATERS.
- INFILTRATE TO AN APPROPRIATE LANDSCAPED, VEGETATED OR SOIL AREA. NOTE: INFILTRATION MAY BE PROHIBITED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- DISCHARGE TO AN ON-SITE TEMPORARY SEDIMENT POND.
- DISCHARGE TO THE STORM DRAIN SYSTEM. WATER FROM DEWATERING MUST NOT CONTAIN SIGNIFICANT SEDIMENTS OR OTHER POLLUTANTS AND DISCHARGE MUST BE IN ACCORDANCE WITH LOCAL PERMITS.
- IF A PERMIT IS REQUIRED, PROVIDE TEMPORARY ONSITE STORAGE (BAKER TANKS, ETC.) OF WATER REMOVED FROM TRENCHES, EXCAVATIONS, ETC., UNTIL A PERMIT TO DISCHARGE IS OBTAINED.
- IF A PERMIT IS OBTAINED FOR DISCHARGE TO A STORM DRAIN OR SANITARY SEWER SYSTEM, CONDUCT ALL DEWATERING DISCHARGE ACTIVITIES IN ACCORDANCE WITH PERMIT REQUIREMENTS.

INSPECTION AND MAINTENANCE:

- INSPECT PUMPS, HOSES AND ALL EQUIPMENT BEFORE USE. MONITOR DEWATERING OPERATIONS TO ENSURE IT DOES NOT CAUSE OFFSITE DISCHARGE OR EROSION.
- INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDER WAY.

VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE MANAGEMENT:

VEHICLES AND HEAVY MACHINERY ARE A POTENTIAL SOURCE OF POLLUTANTS SUCH AS PETROLEUM PRODUCTS, ANTIFREEZE, AND EXHAUST AND WASTE OIL CONTAINING HEAVY METALS. POLLUTANTS MAY ENTER STORM WATER RUNOFF BY MEANS OF DIRECT CONTACT WITH MACHINE PORTS AND BY CONTACT WITH SPILLS ON SURFACES AND THE GROUND. THE FOLLOWING CONTROL MEASURES CAN HELP PREVENT CONTACT OF THESE POTENTIAL POLLUTANTS WITH STORM WATER AND GROUND SURFACES.

CONSTRUCTION SPECIFICATIONS:

- FUELING - ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. WHEN FUELING MUST OCCUR ON SITE, THE CONTRACTOR SHALL SELECT AND DESIGNATE AN AREA TO BE USED, SUBJECT TO APPROVAL. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HANDHELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:
 - AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES.
 - ON A PAVED SURFACE WHERE PRACTICAL.
 - WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN SPILLS.
 - STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS.
 - USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HANDHELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.
 - ALL FUELING SHALL BE CONDUCTED WITH THE FUELING OPERATOR IN ATTENDANCE AT ALL TIMES.
 - USE VAPOR RECOVERY NOZZLES TO HELP CONTROL DRIPS AND REDUCE AIR POLLUTION AND NOZZLES EQUIPPED WITH AUTOMATIC SHUTOFF FEATURES TO PREVENT OVERTOPPING FUEL TANK.
 - SIGNAGE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF."
 - AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

MAINTENANCE - MAINTENANCE OF LARGE EQUIPMENT SHALL BE CONDUCTED WITHIN DESIGNATED MAINTENANCE YARDS IN ORDER TO ENTHLE CAREFUL MANAGEMENT. DURING MINOR ROUTINE MAINTENANCE, DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

ONLY NECESSARY MAINTENANCE REQUIRED FOR THE PROPER FUNCTIONING OF HANDHELD EQUIPMENT AND PORTABLE GENERATORS/COMPRESSORS IS ALLOWED ONSITE. DROP CLOTHES, TRAYS OR AN EQUIVALENT METHOD SHALL BE USED UNDERNEATH HANDHELD AND PORTABLE EQUIPMENT TO AVOID LEAKING FLUIDS, FUELS, OILS, OR GREASE ONTO THE GROUND. DO NOT OVERSPRAY AEROSOLS TO THE GROUND OR OTHER RAIN-EXPOSED SURFACES. CLEAN UP SPILLS IMMEDIATELY AND DISPOSE OF WASTE PROPERLY.

FUEL AND VEHICLE STORAGE - FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND IN ACCORDANCE WITH THE BMP FOR "HAZARDOUS MATERIALS AND WASTE MANAGEMENT." VEHICLES AND EQUIPMENT SHALL BE STORED IN DESIGNATED, BERMED VEHICLE STORAGE AREAS (SUCH AS DEDICATED STORAGE AREAS OR FUELING AND MAINTENANCE AREAS) WHEN POSSIBLE, OR OFF OF PAVED AREAS TO THE EXTENT PRACTICAL. DURING LONG PERIODS (TYPICALLY MORE THAN ONE MONTH) OF STORAGE, AND WHEN OTHERWISE NECESSARY DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT THAT ARE PRONE TO LEAKAGE. PLASTIC TARPS SHALL BE PLACED OVER EXPOSED EQUIPMENT WHEN NOT IN USE FOR LONG PERIODS (>3 MOS.) TO PREVENT CONTACT WITH STORMWATER. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

INSPECTION AND MAINTENANCE:

- CHECK TO ENSURE ADEQUATE SUPPLY OF SPILL CLEANUP MATERIALS IS AVAILABLE.
- PERFORM ROUTINE INSPECTIONS OF DESIGNATED MAINTENANCE, CLEANING, AND FUELING AREAS.
- REPORT ALL SPILLS IMMEDIATELY TO THE PROJECT SUPERINTENDENT.
- SERVICE SUMPS REGULARLY.



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575 GREENWOOD
DEVELOPMENT



REVISION ID:	DATE:
PROJECT NO:	G-1488-21
DRAWN:	KKA & LRS
CHECKED:	BJD
DATE:	01-19-23

EROSION AND
SEDIMENT CONTROL
NOTES

C10.00

EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

- EXISTING STRUCTURE TO BE REMOVED
- EXISTING ASPHALT PAVING TO BE REMOVED
- EXISTING CONCRETE TO BE REMOVED AND RECYCLED
- EXISTING CURB TO BE REMOVED
- EXISTING UTILITY TO REMAIN
- EXISTING UTILITY TO BE REMOVED
- EXISTING GROUND CONTOUR (1 FT)
- EXISTING GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

- TEMPORARY CONSTRUCTION ENTRANCE
- CONCRETE TRUCK WASH OUT PER ODOT RD1070
- SEDIMENT FENCE
- INLET PROTECTION - CATCH BASIN
- INLET PROTECTION - CULVERT
- EXISTING DRAINAGE FLOW DIRECTION

PHASE CONSTRUCTION NOTES:

- EXISTING STRUCTURE TO REMAIN.
- ASPHALT PAVEMENT TO BE REMOVED.
- CONCRETE SIDEWALK TO BE REMOVED.
- UTILITY TO BE REMOVED.

**REFER TO CIVIL PERMIT DOCUMENTS FOR ALL CONSTRUCTION
INFORMATION, TYPICAL.

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

*** ALL EROSION AND SEDIMENT CONTROL MEASURES AT
INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF
CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

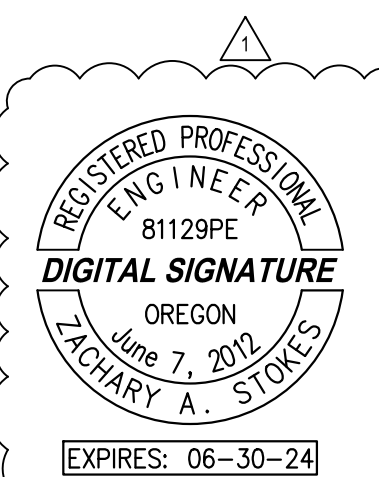
*** ALL STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE
INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING
RD1010 AND RD1015 AFTER INSTALLATION AND SHALL REMAIN IN
PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED
AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.

*** THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE
CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS
REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION
CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

*** THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY
EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR
CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE
CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO
ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY
MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED
BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT
ENGINEER PRIOR TO COMMENCEMENT OF WORK.

EROSION AND SEDIMENT CONTROL NOTES:

- FURNISH AND MAINTAIN 25' WIDE BY 50' LONG CONSTRUCTION
ENTRANCE PER ODOT RD1000.
- FURNISH AND MAINTAIN 'TYPE 3' INLET PROTECTION PER ODOT RD1010
AT ALL ON-SITE CATCH BASINS.
- FURNISH AND MAINTAIN 'TYPE 4' INLET PROTECTION PER ODOT RD1015
AT CULVERTS WITHIN 200' OF SITE.
- FURNISH AND MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER
ODOT RD1040.
- FURNISH AND MAINTAIN CONCRETE TRUCK WASH OUT PER ODOT
RD1070.



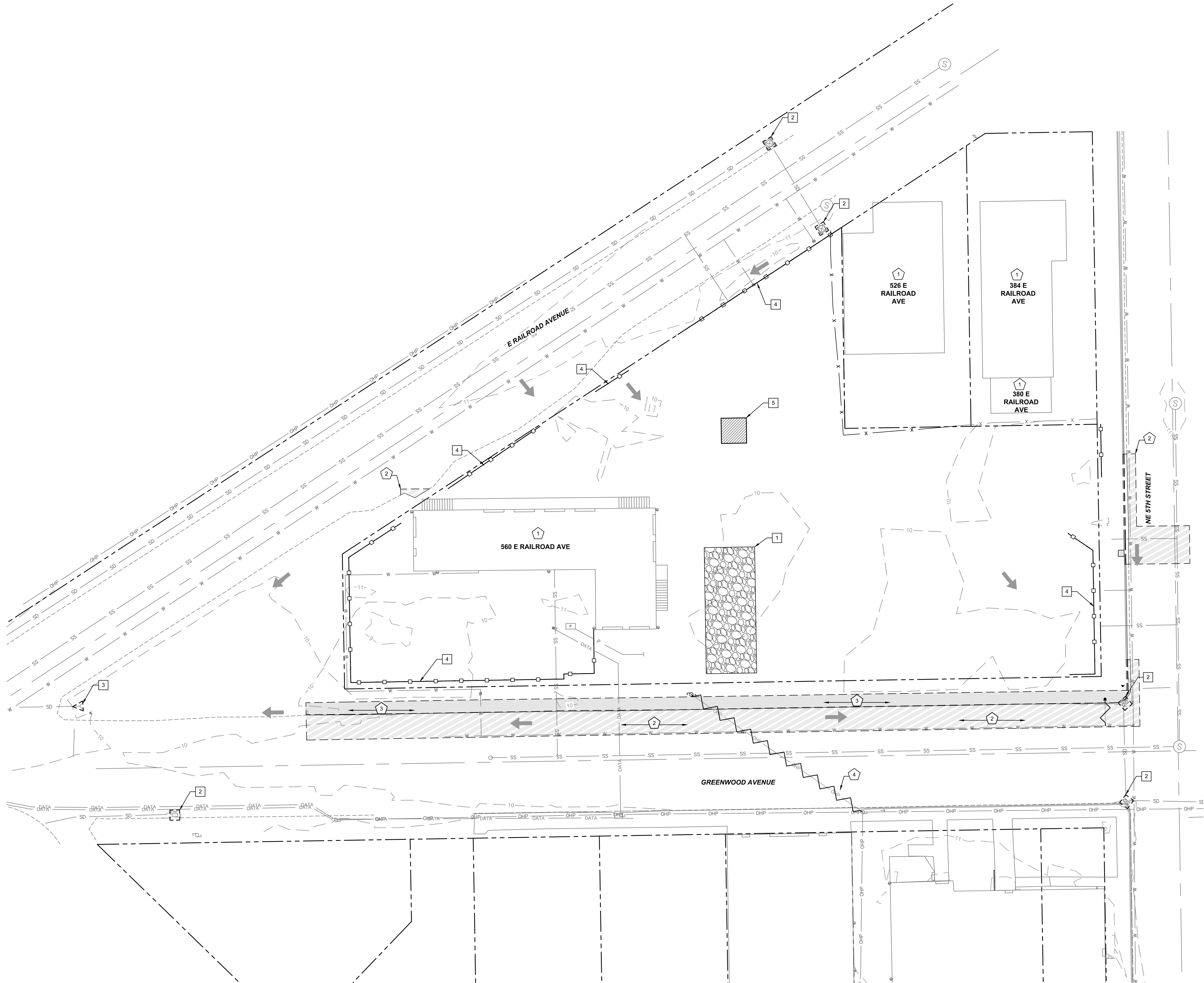
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PERMIT RVW 1	06-08-23

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EXISTING
CONDITIONS AND
ESC PLAN

C10.10

CONSTRUCTION DOCUMENTS



ONE INCH EQUALS FULL SCALE

1 EXISTING CONDITIONS AND EROSION AND SEDIMENT CONTROL PLAN

1"=20'

EROSION AND SEDIMENT CONTROL LEGEND:

PHASE SPECIFIC CONSTRUCTION LEGEND

	NEW ASPHALT PAVEMENT
	NEW CONCRETE PAVEMENT
	NEW CONCRETE PAVING - REINFORCED
	NEW CONCRETE PAVING - THICKENED SECTION
	NEW GRAVEL PAVING
	NEW LANDSCAPING - UNDER SEPARATE COVER
	EXISTING GROUND CONTOUR (1 FT)
	EXISTING GROUND CONTOUR (5 FT)
	NEW GROUND CONTOUR (1 FT)
	NEW GROUND CONTOUR (5 FT)

EROSION AND SEDIMENT CONTROL LEGEND

	TEMPORARY CONSTRUCTION ENTRANCE
	CONCRETE TRUCK WASH OUT PER ODOT RD1070
	SEDIMENT FENCE
	INLET PROTECTION - CATCH BASIN
	INLET PROTECTION - CULVERT
	EXISTING DRAINAGE FLOW DIRECTION
	NEW DRAINAGE FLOW DIRECTION

PHASE CONSTRUCTION NOTES:

1. NEW BUILDING WITH CONCRETE PORCH AND OVERHANG. REFER TO BUILDING DESIGN PLANS (UNDER SEPARATE COVER) FOR ALL INFORMATION.
2. EXISTING BUILDING. NO WORK IN THIS AREA.
3. NEW ASPHALT PAVEMENT.
4. NEW CONCRETE PAVEMENT.
5. NEW CONCRETE CURB AND GUTTER.
6. NEW STORM LINE.
7. NEW STORM PUMP.
8. LANDSCAPING STABILIZATION UNDER SEPARATE COVER.

EROSION CONTROL NOTES:

GENERAL EROSION CONTROL NOTES:

***ALL EROSION AND SEDIMENT CONTROL MEASURES AT INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.

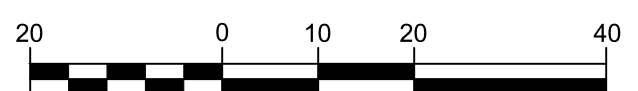
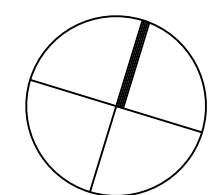
***ALL STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING RD1010 AND RD1015 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.

***THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.

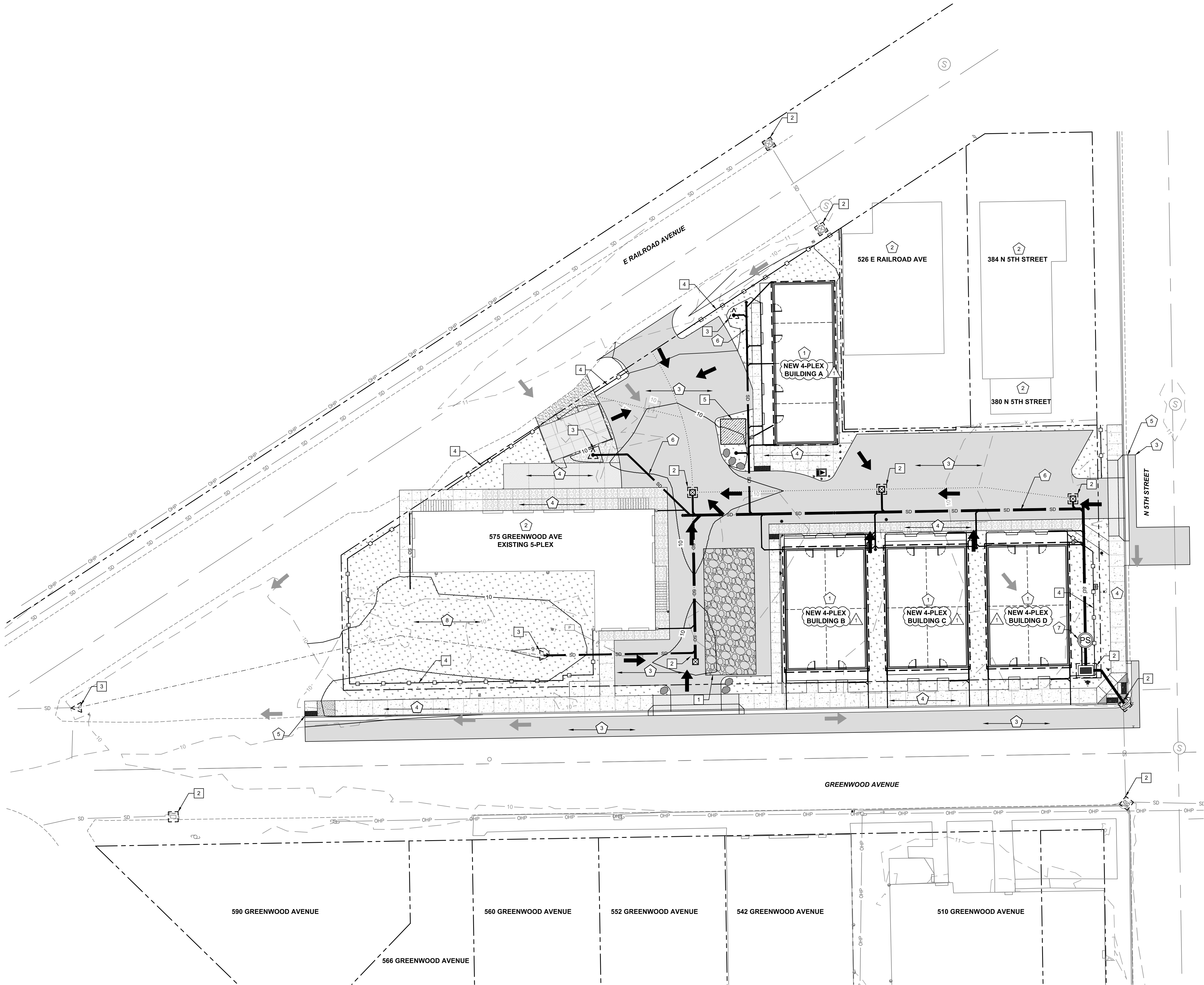
***THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.

EROSION AND SEDIMENT CONTROL NOTES:

1. MAINTAIN 25' WIDE BY 50' LONG CONSTRUCTION ENTRANCE PER ODOT RD1000.
2. MAINTAIN 'TYPE 3' INLET PROTECTION PER ODOT RD1010 AT ALL ON-SITE CATCH BASINS.
3. MAINTAIN 'TYPE 4' INLET PROTECTION PER ODOT RD1015 AT CULVERTS WITHIN 200' OF SITE.
4. MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER ODOT RD1040.
5. MAINTAIN CONCRETE TRUCK WASH OUT PER ODOT RD1070.



(FEET)
1" = 20' FT

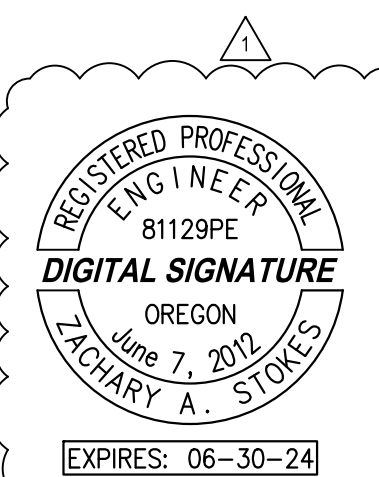


1"=20'

ONE INCH EQUALS FULL SCALE

1 FINAL STABILIZATION EROSION AND SEDIMENT CONTROL PLAN

C10.11

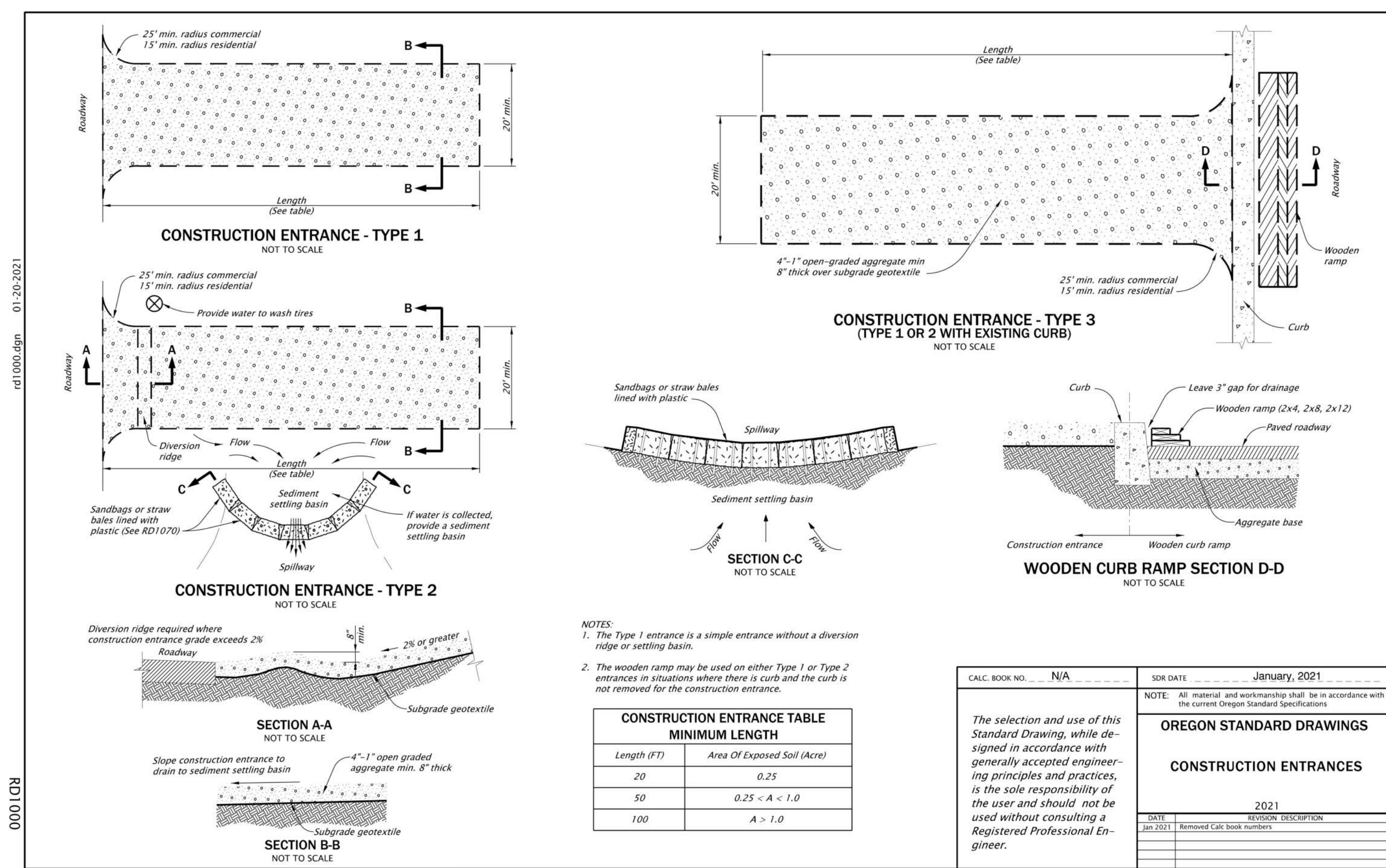


REVISION ID:	DATE:
PERMIT RVW 1	06-08-23
PROJECT NO:	G-1488-21
DRAWN:	KKA & LRS
CHECKED:	BJD
DATE:	01-19-23

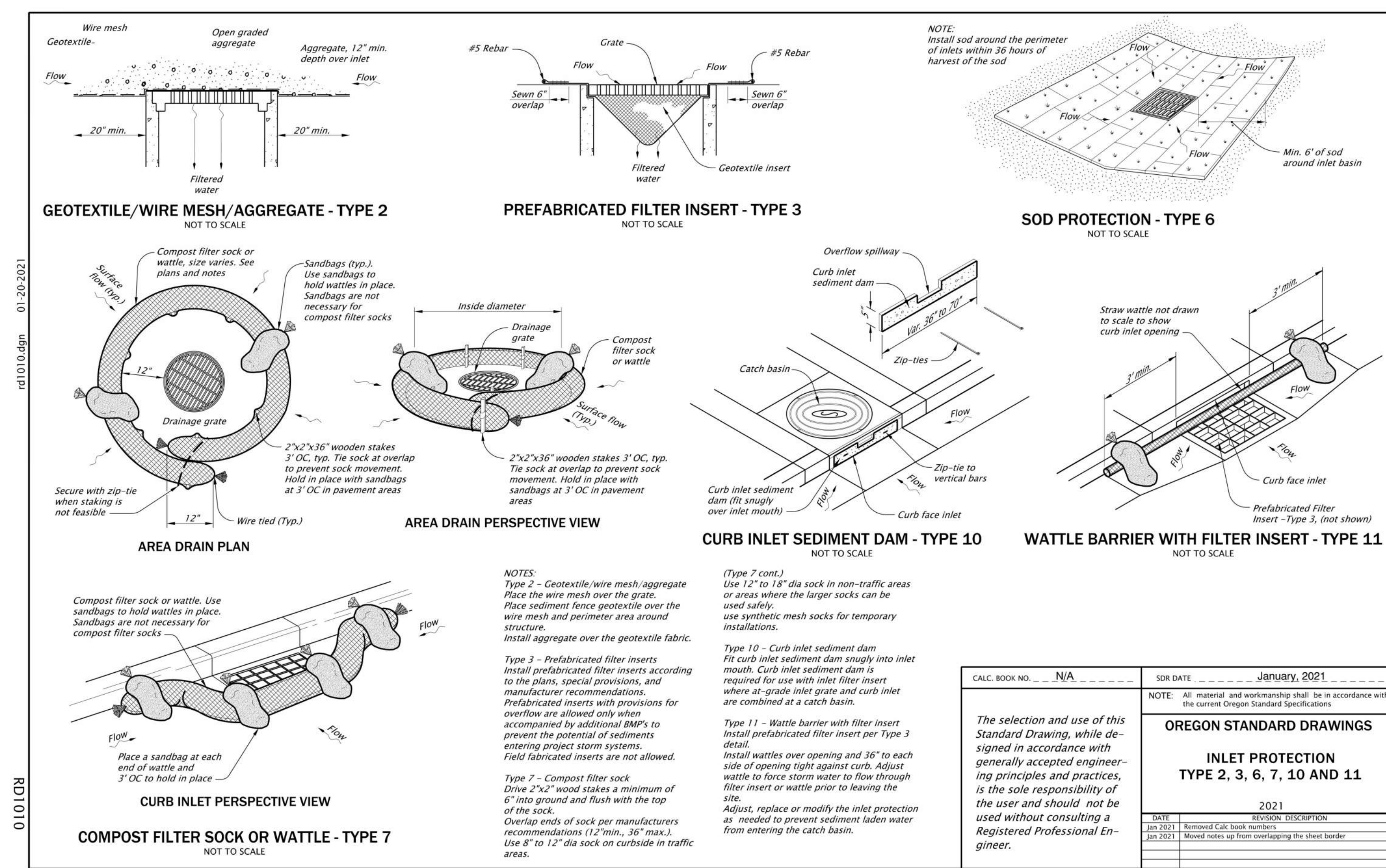
FINAL
STABILIZATION ESC
PLAN

C10.11

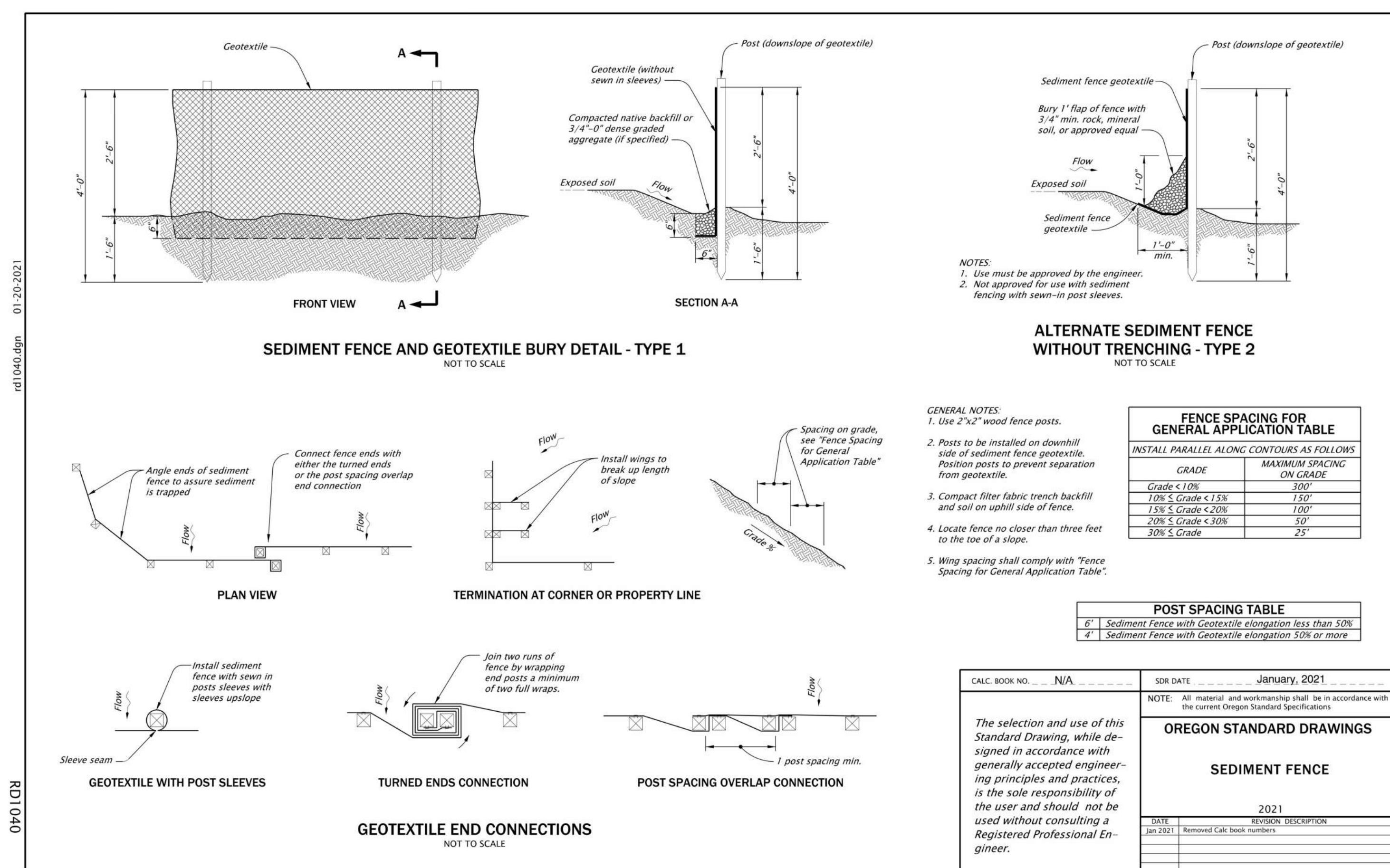
CONSTRUCTION DOCUMENTS



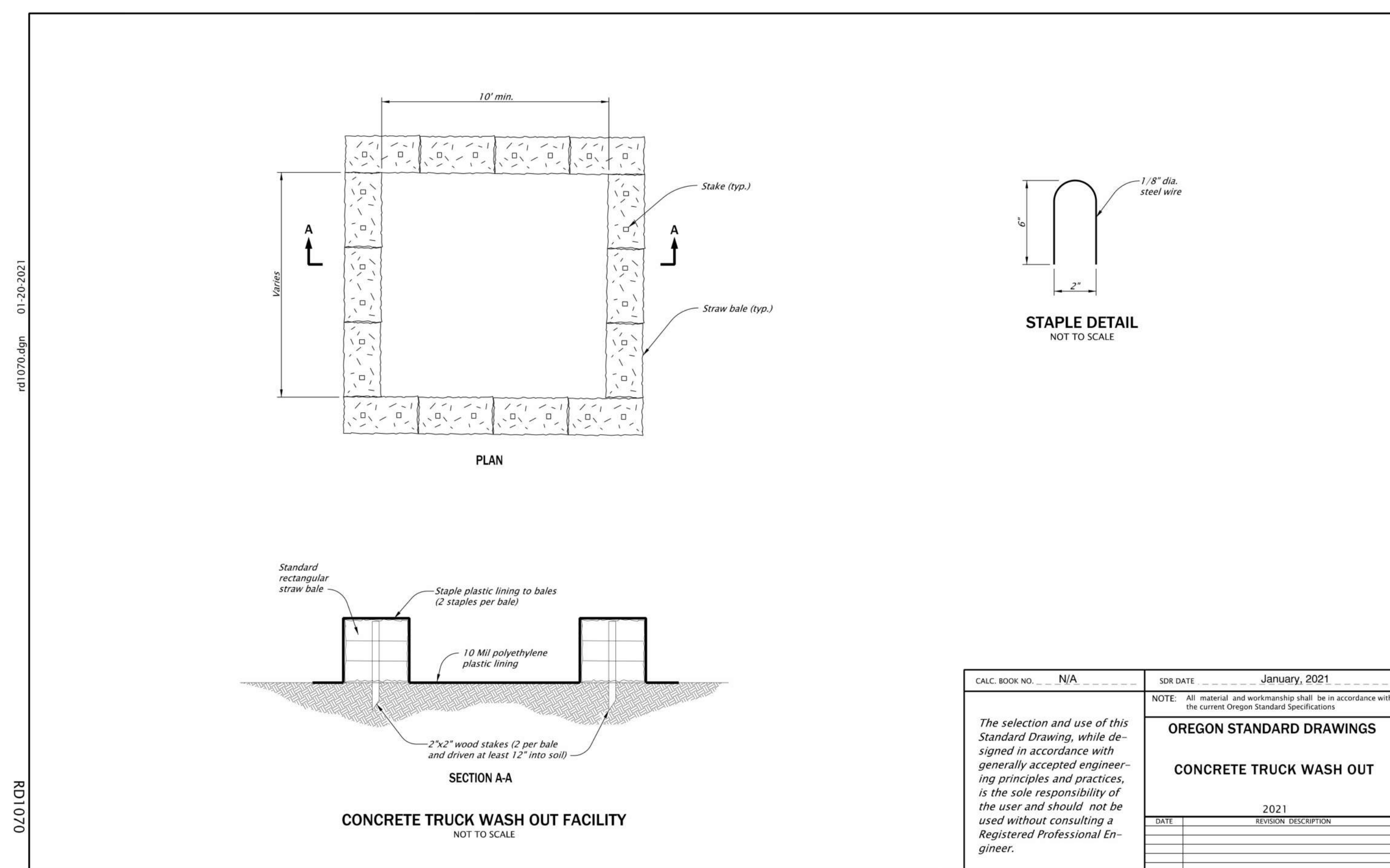
Effective Date: June 1, 2022 - November 30, 2022 RD1000



Effective Date: June 1, 2022 - November 30, 2022 RD1010





Effective Date: June 1, 2022 - November 30, 2022 RD1040



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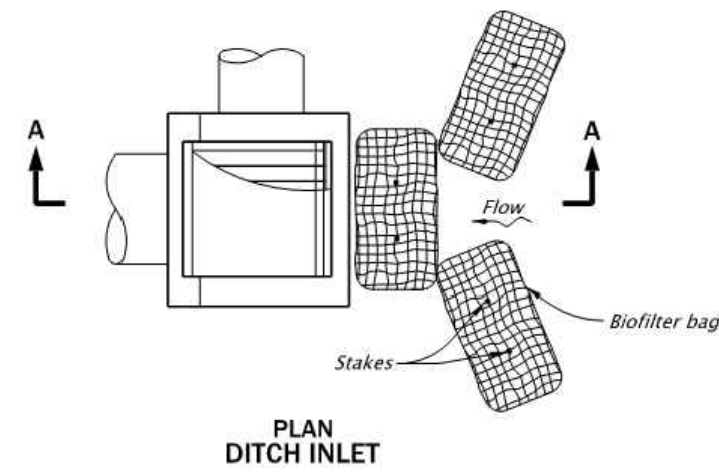
FOR INFORMATION ONLY

 REVISION ID:	DATE:
 PERMIT RVW 1	06-08-23
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CHECKED:	BUD
DATE:	01-19-23

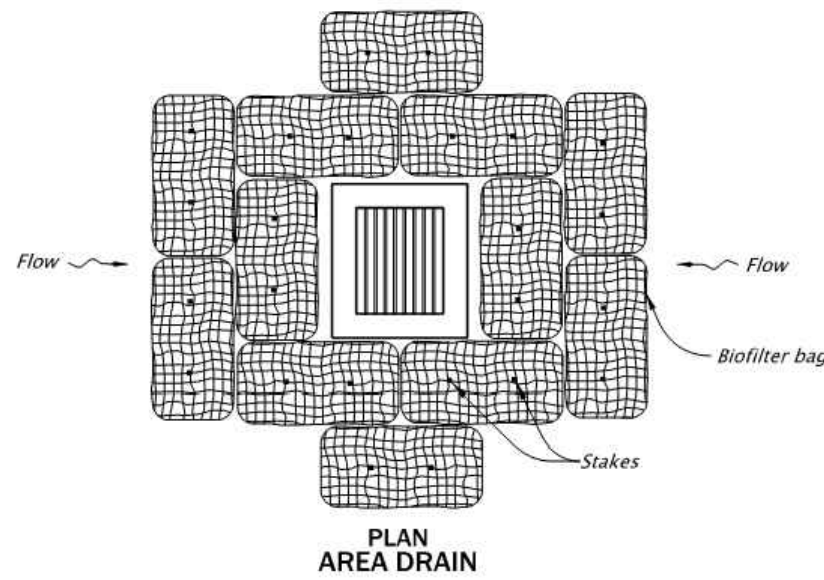
EROSION AND SEDIMENT CONTROL DETAILS

rd1015.dgn 01-20-2021

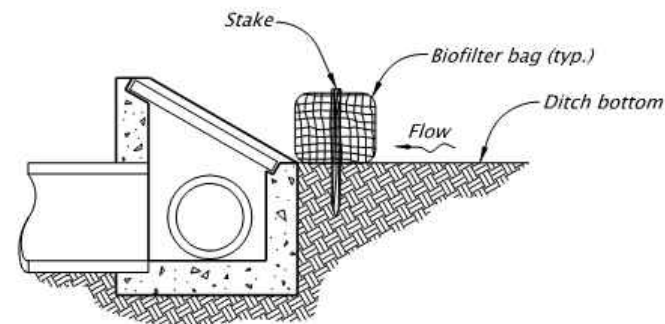
RD1015



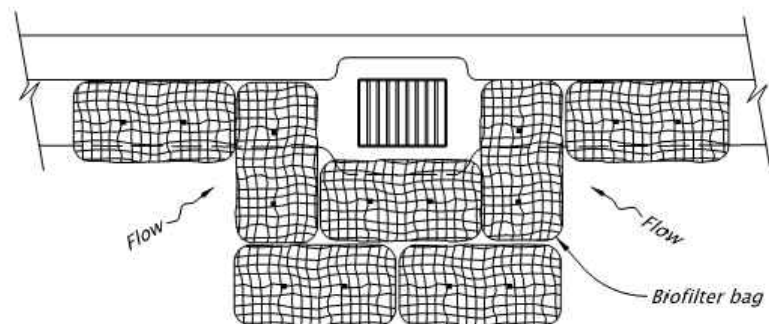
PLAN
DITCH INLET



PLAN
AREA DRAIN



SECTION A-A
DITCH INLET



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>N/A</u>	SDR DATE <u>JANUARY, 2021</u>
<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>	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
	Jan 2021 Removed Calc book numbers

Effective Date: June 1, 2022 - November 30, 2022

RD1015

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EROSION AND
SEDIMENT CONTROL
DETAILS

C10.13

CONSTRUCTION DOCUMENTS