GENERAL NOTES

1. SURVEY PROVIDED BY CHASE JONES AND ASSOCIATES INC. DATED FEBRUARY 13TH, 2023 AND UPDATED MAY 13TH, 2024. VERTICAL ELEVATIONS ARE BASED ON NAVD 88 VERTICAL DATUM. HORIZONTAL CONTROL IS RELATIVE TO AN UNKNOWN LOCATION. COORDINATE WITH SURVEY OR RECORD TO ESTABLISH SITE CONTROL.
2. 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 SHOWN, ON THE PLANS.
3. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
4. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
5. WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED - DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY.
6. BUILDING SETBACK DIMENSIONS FROM PROPERTY LINES SHALL HOLD OVER ALL OTHER CALLOUTS. PROPERTY LINES AND ASSOCIATED BUILDING SETBACKS SHALL BE VERIFIED PRIOR TO CONSTRUCTION LAYOUT.
7. CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTS SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
8. SOME SITE DEMOLITION AND UTILITY RELOCATION HAS BEEN PERFORMED. SURVEY MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
9. CONTRACTOR TO REFERENCE GEOTECHNICAL ENGINEERING REPORT PREPARED BY COLUMBIA WEST DATED MARCH 29TH, 2024, AND ADDENDUM DATED JANUARY 5TH, 2025 FOR THE SITE SOILS RECOMMENDATIONS.
10. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE 2023 OREGON PLUMBING SPECIALTY CODE AND REQUIREMENTS OF MULTNOMAH COUNTY.
11. THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
12. 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 OAR 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). EXCAVATORS MUST NOTIFY ALL PERTINENT COMPANIES OR AGENCIES WITH UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO COMMENCING AN EXCAVATION, SO UTILITIES MAY BE ACCURATELY LOCATED.
13. 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 FROELICH ENGINEERS, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
14. 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.
15. TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO MULTNOMAH COUNTY FOR MINIMUM EROSION CONTROL MEASURES. THE ESC FACILITIES SHOWN IN THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
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. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO MULTNOMAH COUNTY FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
18. CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO EXISTING BUILDINGS AT ALL TIMES DURING CONSTRUCTION.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE OWNER.
20. A PRECONSTRUCTION MEETING WITH THE OWNER, THE OWNER'S ENGINEER, CONTRACTOR AND THE MULTNOMAH COUNTY REPRESENTATIVE SHALL BE REQUIRED.

MATERIAL NOTES

1. GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO INSTALLATION.
2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE, DUCTILE IRON PIPE, OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
3. PRIVATE WATER MAINS 4-INCH DIAMETER AND LARGER SHALL BE DUCTILE IRON PIPE OR PVC PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
4. PRIVATE WATER LINES 3-INCH DIAMETER AND SMALLER SHALL BE TYPE K COPPER TUBING OR SCHEDULE 40 PVC CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
5. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.

MATERIAL NOTES

1. GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS, AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION.
2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE, DUCTILE IRON OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE; SHOWN BELOW OR AS INDICATED IN THE PLANS.
   - 2.1. PVC SEWER PIPE NPS 4 TO NPS 15:
     - 2.1.1. PIPE: ASTM D 3034, SDR 35, PVC TYPE PSM SEWER PIPE WITH BELL-AND-SPIGOT ENDS FOR GASKETED JOINTS.
     - 2.1.2. FITTINGS: ASTM D 3034, PVC WITH BELL ENDS.
     - 2.1.3. GASKETS: ASTM F 477, ELASTOMERIC SEALS.
   - 2.2. DUCTILE IRON, GRAVITY SEWER PIPE AND FITTINGS (REQUIRED WITHIN 1:1 ZONE OF INFLUENCE OF THE BUILDING FOUNDATION)
     - 2.1.1. PIPE: ASTM A 746, FOR PUSH ON JOINTS.
     - 2.1.2. STANDARD FITTINGS: ASTM C110, DUCTILE OR GRAY IRON, FOR PUSH ON JOINTS.
     - 2.1.3. COMPACT FITTINGS: ASTM C153, FOR PUSH-ON JOINTS.
     - 2.1.4. GASKETS: AWWA C111, RUBBER
   - 2.2. PE PIPE AND FITTINGS
     - 2.2.1. CORRUGATED PE DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10: AASHTO M 252M, TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS.
       - 2.2.1.1. SOILTIGHT COUPLINGS: AASHTO M 252M, CORRUGATED, MATCHING TUBE AND FITTINGS.
     - 2.2.2. CORRUGATED PE PIPE AND FITTINGS NPS 12 TO NPS 60: AASHTO M 294M, TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS.
       - 2.2.2.1. SOILTIGHT COUPLINGS: AASHTO M 294M, CORRUGATED, MATCHING PIPE AND FITTINGS.
3. PRIVATE FIRE MAINS 4-INCH DIAMETER AND LARGER SHALL BE DUCTILE IRON PIPE OR PVC C900 PIPE AS INDICATED BELOW.
   - 3.1. MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
     - 3.1.1. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
     - 3.1.2. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER GASKETS, AND STEEL BOLTS.
   - 3.2. PVC AWWA PIPE: AWWA C900, CLASS 150, WITH BELL END WITH GASKET, AND WITH SPIGOT END.
     - 3.2.1. COMPLY WITH UL 1285 FOR FIRE-SERVICE MAINS IF INDICATED.
     - 3.2.2. PVC FABRICATED FITTINGS: AWWA C900, **CLASS 150**, WITH BELL-AND-SPIGOT OR DOUBLE-BELL ENDS. INCLUDE ELASTOMERIC GASKET IN EACH BELL.
     - 3.2.3. PVC MOLDED FITTINGS: AWWA C907, CLASS 150, WITH BELL-AND-SPIGOT OR DOUBLE-BELL ENDS. INCLUDE ELASTOMERIC GASKET IN EACH BELL.
     - 3.2.4. PUSH-ON-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
       - 3.2.4.1. GASKETS: AWWA C111, RUBBER.
     - 3.2.5. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
       - 3.2.5.1. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER GASKETS, AND STEEL BOLTS.
4. PRIVATE WATER LINES 3-INCH DIAMETER AND SMALLER SHALL BE COPPER OR DUCTILE IRON PIPE AS INDICATED BELOW.
   - 4.1. SOFT COPPER TUBE: ASTM B 88, TYPE K WATER TUBE, ANNEALED TEMPER.
     - 4.1.1. COPPER, SOLDER-JOINT FITTINGS: ASME B16.18, CAST-COPPER-ALLOY OR ASME B16.22, WROUGHT-COPPER, SOLDER-JOINT PRESSURE TYPE. FURNISH ONLY WROUGHT-COPPER FITTINGS IF INDICATED.
     - 4.1.2. HARD COPPER TUBE: ASTM B 88, TYPE K, WATER TUBE, DRAWN TEMPER.
       - 4.1.2.1. COPPER, SOLDER-JOINT FITTINGS: ASME B16.18, CAST-COPPER-ALLOY OR ASME B16.22, WROUGHT-COPPER, SOLDER-JOINT PRESSURE TYPE. FURNISH ONLY WROUGHT-COPPER FITTINGS IF INDICATED.
   - 4.2. MECHANICAL-JOINT, DUCTILE-IRON PIPE: AWWA C151, WITH MECHANICAL-JOINT BELL AND PLAIN SPIGOT END UNLESS GROOVED OR FLANGED ENDS ARE INDICATED.
     - 4.2.1. MECHANICAL-JOINT, DUCTILE-IRON FITTINGS: AWWA C110, DUCTILE- OR GRAY-IRON STANDARD PATTERN OR AWWA C153, DUCTILE-IRON COMPACT PATTERN.
     - 4.2.2. GLANDS, GASKETS, AND BOLTS: AWWA C111, DUCTILE- OR GRAY-IRON GLANDS, RUBBER GASKETS, AND STEEL BOLTS.
5. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS. CONSTRUCT PER CITY OF PORTLAND SPECIFICATIONS.
   - 5.1. CONCRETE AGGREGATE SHALL CONFORM TO ASTM C33 REQUIREMENTS
6. CONCRETE MANHOLES AND UTILITY VAULTS: HANSON OR APPROVED EQUAL. INSTALL PER MANUFACTURER RECOMMENDATIONS.
7. CONCRETE DRYWELL AND UTILITY VAULTS: OLD CASTLE OR APPROVED EQUAL. INSTALL PER MANUFACTURER RECOMMENDATIONS.
8. SUBMITTAL: CONTRACTOR SHALL PROVIDE PRODUCT DATA FOR EACH PRODUCT:
   - 8.1. AGGREGATE
   - 8.2. PAVEMENT MATERIAL AND MIX DESIGN (ASPHALT, CONCRETE, PAVERS...)
   - 8.3. STORMWATER AND SANITARY SEWER STRUCTURES (AREA DRAINS, CLEANOUTS, DRYWELLS)
   - 8.4. PIPES AND FITTINGS
   - 8.5. WATER AND FIRE PIPES, FITTINGS, AND STRUCTURES (METER, BACKFLOW, DOUBLE CHECK, FIRE DEPARTMENT CONNECTIONS...)

CONSTRUCTION NOTES

GENERAL

1. SUBGRADE AND TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER IS NOT PERMITTED.
2. SPECIAL INSPECTION REQUIRED FOR ALL COMPACTION TESTING.

DEMOLITION

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA IDENTIFIED IN THE PLANS. DISPOSE OF DEMOLISHED ITEMS OFF-SITE IN A LEGAL MANNER.
2. EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY, CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF PROPERLY.
3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND DELIVERED STORED AT THE PROJECT SITE AS DIRECTED BY THE OWNER.
4. ALL LANDSCAPING, PAVEMENT, CURBS AND SIDEWALKS, BEYOND THE IDENTIFIED SITE AREA, DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION OR BETTER.
5. CONCRETE SIDEWALKS SHOWN FOR DEMOLITION SHALL BE REMOVED TO THE NEAREST EXISTING CONSTRUCTION JOINT.
6. SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT.

GRADING

1. ALL SURFACES SHALL HAVE MINIMUM 1.5% SLOPE UNLESS OTHERWISE NOTED ON PLANS. ALL SURFACES SHALL MEET EXISTING GRADES SMOOTHLY AND EVENLY AND MAINTAIN CONSTANT SLOPES UNLESS OTHERWISE NOTES ON PLANS.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING SITE AND DRAINAGE PATTERNS AND PROTECTION OF EXISTING ENGINEERED DRAINAGE FACILITIES.
3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING IN AREAS ADJACENT TO EXISTING TREES IN ORDER TO MINIMIZE DISTURBANCE TO TREE ROOTS. CONTRACT SHALL INSTALL TREE PROTECTION FENCING AS INDICATED ON PLANS OR DRIP-LINE OF EXISTING TREES. NO PARKING VEHICLES UNDER TREES.

UTILITIES

1. ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC. TO FINISHED GRADE.
2. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
4. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO ENGINEER AND OWNER.

STORM AND SANITARY

1. CONNECTIONS TO EXISTING STORM AND SANITARY SEWERS SHALL CONFORM TO THE 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 00490, "WORK ON EXISTING SEWERS AND STRUCTURES".
2. BEGIN LAYING STORM DRAIN AND SANITARY SEWER PIPE AT THE LOW POINT OF THE SYSTEM, TRUE TO GRADE AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. THE CONTRACTOR SHALL ESTABLISH LINE AND GRADE FOR THE STORM AND SANITARY SEWER PIPE USING A LASER.
3. ALL ROOF DRAIN AND CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.

WATER

1. ALL WATER AND FIRE PROTECTION PIPE SHALL HAVE A MINIMUM 36-INCH COVER TO THE FINISH GRADE.
2. ALL WATER AND FIRE PRESSURE FITTINGS SHALL BE FULLY RESTRAINED.
3. ALL WATER MAIN / SANITARY SEWER CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT REGULATIONS, CHAPTER 333.
4. CONTRACTOR TO MAINTAIN A MINIMUM 10' HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN ALL EXISTING AND PROPOSED WATER AND SEWER LINES.
5. ALL WATER LINES SHALL BE THOROUGHLY FLUSHED, CHLORINATED AND TESTED IN ACCORDANCE WITH OREGON STATE HEALTH DEPARTMENT PRIOR TO ANY METER HOOK UP SERVICE.

EARTHWORK

1. CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE SYSTEM.
2. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER WILL NOT BE PERMITTED.
3. TRENCH BACKFILL: SHALL MEET ODOT 3/4"-0 CRUSHED ROCK AS INDICATED IN THE PROJECT SOILS REPORT.
4. BASE COURSE: SHALL MEET ODOT 3/4"-0 CRUSHED ROCK.
5. DRAINAGE ROCK: SHALL BE 3/4" TO 2-1/2" WASHED DRAIN ROCK.
6. COMPACTION AND LIFTS: REFERENCE THE PROJECT SOILS REPORT.
7. NONWOVER GEOTEXTILE - MIRAFI 140N, OR APPROVED EQUIVALENT

SEPARATION STATEMENT

ALL WATER MAIN CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT, CHAPTER 333. WATER MAINS SHALL CROSS OVER SANITARY SEWERS WITH A 18" MINIMUM CLEARANCE BETWEEN OUTSIDE DIAMETERS OF PIPE WITH ALL PIPE JOINTS EQUIDISTANT FROM CROSSING. HORIZONTAL SEPARATION BETWEEN WATER MAINS AND SANITARY SEWERS IN PARALLEL INSTALLATIONS SHALL BE 10'. MAINTAIN 12" MINIMUM VERTICAL DISTANCE FOR ALL OTHER UTILITY CROSSINGS AND 12" HORIZONTAL PARALLEL DISTANCE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN THE MINIMUM 10' HORIZONTAL SEPARATION, THE WATER MAIN SHALL BE LAID ON A SEPARATE SHELF IN THE TRENCH 18" INCHES ABOVE THE SEWER.

ABBREVIATIONS

AC	ASPHALT CONCRETE	OVH/OH	OVERHEAD
AD	AREA DRAIN	P/L	PROPERTY LINE
APPROX	APPROXIMATE	PC	POINT OF CURVATURE
B	BOLLARD	PCC	POINT OF COMPOUND CURVATURE
BLDG	BUILDING	PCR	POINT OF CURB RETURN
BOW	BACK OF WALK	PED	PEDESTRIAN
BS	BOTTOM OF SWALE	PIV	POST INDICATOR VALVE
	BOTTOM OF STAIR	PM	PARKING METER
BW	BOTTOM OF WALL	POC	POINT ON CURVE
CB	CATCH BASIN	PP	POWER POLE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVATURE
CMP	CORRUGATED METAL PIPE	PT	POINT OF TANGENT
CMU	CONCRETE MASONRY UNIT	P.U.E	PUBLIC UTILITY EASEMENT
CO	CLEANOUT	PVC	POLYVINYL CHLORIDE
CONC.	CONCRETE	PVMT	PAVEMENT
COTG	CLEANOUT TO GRADE	PVT	PRIVATE
CP	CONTROL POINT	R	RIM
Δ	DELTA	RD	ROOF DRAIN
D/W	DRIVEWAY	R.O.W	RIGHT-OF-WAY
DIA.,Ø	DIAMETER	S	SLOPE (FT/FT)
DIP	DUCTILE IRON PIPE	SD	STORM DRAIN
E	EASTING	SDMH	STORM DRAIN MANHOLE
EXIST./EX	EXISTING	SHT	SHEET
FDC	FIRE DEPARTMENT CONNECTION	SS	SANITARY SEWER
FF	FINISH FLOOR ELEVATION	SSMH	SANITARY SEWER MANHOLE
FG	FINISH GRADE	ST	STREET
FH	FIRE HYDRANT	STA	STATION
FL	FLOWLINE	STD	STANDARD
FND	FOUNDATION	S/W	SIDEWALK
G	GUTTER	TC	TOP OF CURB
GB	GRADE BREAK	TD	TRENCH DRAIN
GL	GAS LINE	TG	TOP OF GROUND
GV	GATE VALVE	TP	TOP OF PAVEMENT
H	HEIGHT	TRANS.	TRANSFORMER
HCP	HANDICAP PARKING SPACE	TS	TOP OF STAIR
HP	HIGH POINT	TW	TOP OF WALL
ID	INSIDE DIAMETER		TOP OF WALK
IE	INVERT ELEVATION	TYP	TYPICAL
INV	INVERT	UG	UNDERGROUND
IRR.	IRRIGATION	UGE	UNDERGROUND ELECTRIC
LP	LIGHT POLE	W	WATER
MH	MANHOLE	W/	WITH
MIN	MINIMUM	WCR	WHEEL CHAIR RAMP
N	NORTHING	WM	WATER METER
O.D	OUTSIDE DIAMETER	WV	WATER VALVE
OF	OUTFALL		

SHEET INDEX

NOTICE TO EXCAVATORS:
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 OAR 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).

POTENTIAL UNDERGROUND FACILITY OWNERS

Dig Safely.
Call the Oregon One-Call Center
1-800-332-2344

FROELICH ENGINEERS
CIVIL · STRUCTURAL
Portland, OR. | Bend, OR. | Denver, CO.
(503) 624-7005

PRELIMINARY
NOT FOR
CONSTRUCTION

1001 SE SANDY BLVD,
PORTLAND, OR, 92714

CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	**24-C012**
DATE:	01/10/2025
SCALE:	AS SHOWN

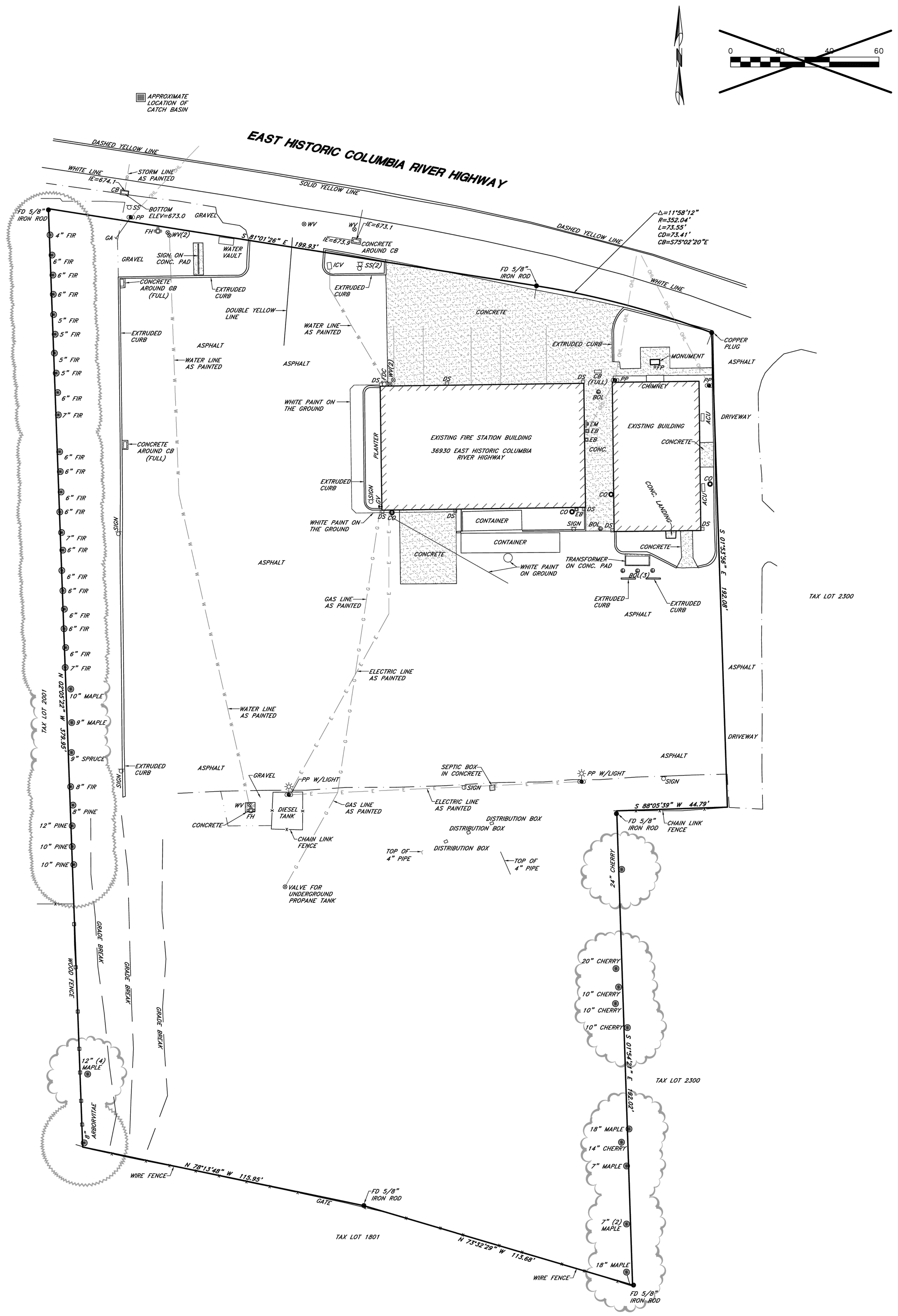
SHEET TITLE:
GENERAL NOTES

SHEET NUMBER:
C1.0

LAND USE SET

Exhibit A.6

File: P:\2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C1.0_COVR.dwg TAB:C1.0
Plotted: 1/13/25 at 12:00pm By: atomlinson



LEGEND:

TC = TOP OF CURB
G = GUTTER OF CURB
SS = STREET SIGN
PP = POWER POLE
GA = GUY ANCHOR
FH = FIRE HYDRANT
WV = WATER VALVE
FF = FINISH FLOOR ELEVATION
CB = CATCH BASIN
DS = DOWN SPOUT
EM = ELECTRIC METER
EB = ELECTRIC BOX
CO = CLEAN OUT
FP = FLAG POLE
GV = GAS VALVE
ICV = IRRIGATION CONTROL VALVE
BOL = BOLLARD
ACU = AIR CONDITIONING UNIT
FDC = FIRE DEPARTMENT CONNECTION

NOTES:

1. BENCH MARK: THE ELEVATIONS ARE BASED ON THE NAVD 88 VERTICAL DATUM FROM A STATIC GPS OBSERVATION AS COMPUTED BY TRIMBLE POST-PROCESSING SERVICE BASED ON RTX TECHNOLOGY. THE STATIC OBSERVATION WAS PERFORMED ON FEBRUARY 1, 2023.
2. CONTOURS ARE AT ONE-FOOT INTERVALS AND ARE COMPUTER GENERATED.
3. UNDERGROUND UTILITIES ARE SUBJECT TO ACTUAL FIELD LOCATION.
4. ALL UTILITIES MAY NOT BE SHOWN.
5. TREE SPREADS ARE NOT TO SCALE.
6. NO TITLE REPORT WAS PROVIDED THEREFORE ALL EASEMENTS MAY NOT BE SHOWN.

TOPOGRAPHIC SURVEY
OF
TAX LOT 2201
SITUATED IN THE
NORTHWEST 1/4 OF SECTION 35, T. 1 N., R. 4 E., W.M.
COUNTY OF MULTNOMAH, STATE OF OREGON.
UPDATED SEPTEMBER 15, 2023
UPDATED JANUARY 3, 2024 TO ADD PAINTED UTILITIES
UPDATED: MAY 13, 2024 TO ADD SANITARY SEWER INFORMATION

REGISTERED PROFESSIONAL LAND SURVEYOR
OREGON
JULY 16, 1982
JONES
1996
RENEWS: 6-30-25

FOR YOUR REVIEW ONLY

R.S. GREENLEAF (1885–1915)
MARSHALL BROTHERS (1915–1957)
BOOTH & WRIGHT (1957–1977)
SETON, JOHNSON & ODELL (1977–1983)
CHASE, JONES & ASSOCIATES, INC. (1983–)

CJ2
CHASE, JONES & ASSOCIATES INC.
3410 SE 20TH AVENUE PORTLAND, OR 97202
PHONE: (503) 228-9844

PROJECT NO.	1/4 SECTION	DATE	SHEET
16466		FEBRUARY 13, 2023	1 OF 1
DRAWN BY DLW	CHECKED BY EDJ	SCALE 1" = 20'	

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1001 SE SANDY BLVD,
PORTLAND, OR, 92714

CORBETT FIRESTATION 62 ADDITION
36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	24-C012
DATE:	01/10/2025
SCALE:	AS SHOWN

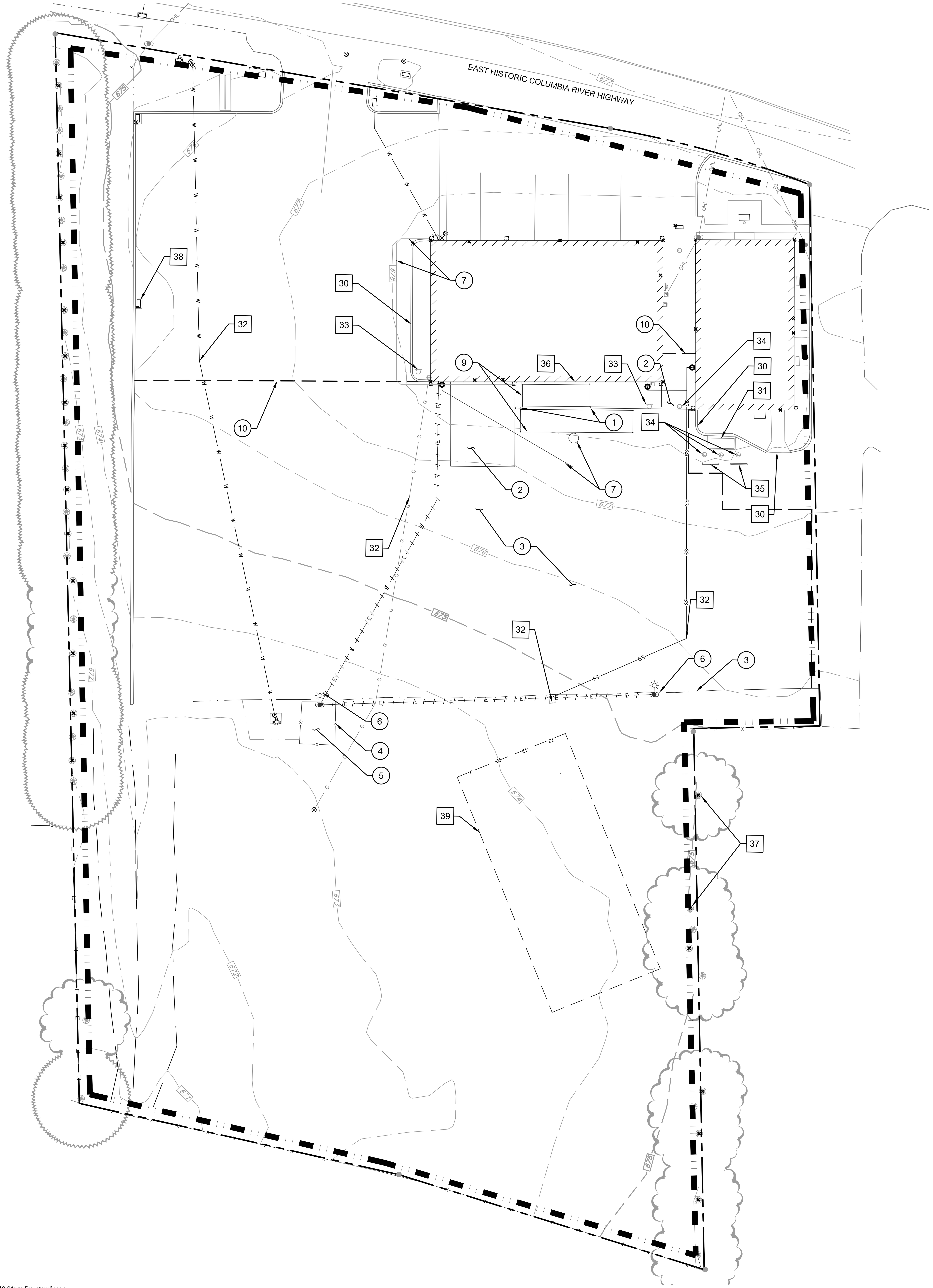
SHEET TITLE:
EXISTING CONDITIONS

SHEET NUMBER:
C1.1

LAND USE SET

File: P:\2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C1.0_COVR.dwg TAB:C1.1

Plotted: 1/13/25 at 12:01pm By: atomlinson



SHEET NOTES

1. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
2. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
3. GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
4. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
5. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
6. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
7. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
8. SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY.
9. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.
10. ALL EXPOSED PORTIONS OF UNDERGROUND UTILITIES TO BE ABANDONED SHALL BE PLUGGED PER DETAIL X/CXXX.

DEMOLITION KEY NOTES

1 REMOVE CONCRETE CURB
2 REMOVE CONCRETE
3 REMOVE ASPHALT PAVEMENT AND CRUSHED ROCK SUBGRADE
4 REMOVE FENCE
5 REMOVE CONCRETE PAD
6 REMOVE UTILITY POLE
7 REMOVE PAINT/STRIPING
8 REMOVE EXISTING UNDERGROUND ELECTRICAL SERVICE.
9 RELOCATE SHIPPING/STORAGE CONTAINER
10 SAWCUT

PROTECTION KEY NOTES

30 PROTECT CURB AND SIDEWALK.
31 PROTECT ELECTRICAL EQUIPMENT
32 PROTECT UNDERGROUND UTILITIES.
33 PROTECT SIGN
34 PROTECT BOLLARD
35 PROTECT WHEEL STOP
36 PROTECT BUILDING
37 PROTECT TREE
38 PROTECT CATCH BASIN
39 PROTECT EXISTING DRAIN FIELD

SHEET LEGEND

PROPERTY LINE
DEMOLITION/WORK LIMITS
SAWCUT LINE
REMOVE OR ABANDON UTILITY LINE IN PLACE
REMOVE TREE
EXISTING GRADE CONTOUR
PROPOSED CURB LINE SHOWN FOR REFERENCE

SCALE 1 INCH = 20 FEET
20 0 20 40

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PRELIMINARY
NOT FOR
CONSTRUCTION

CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

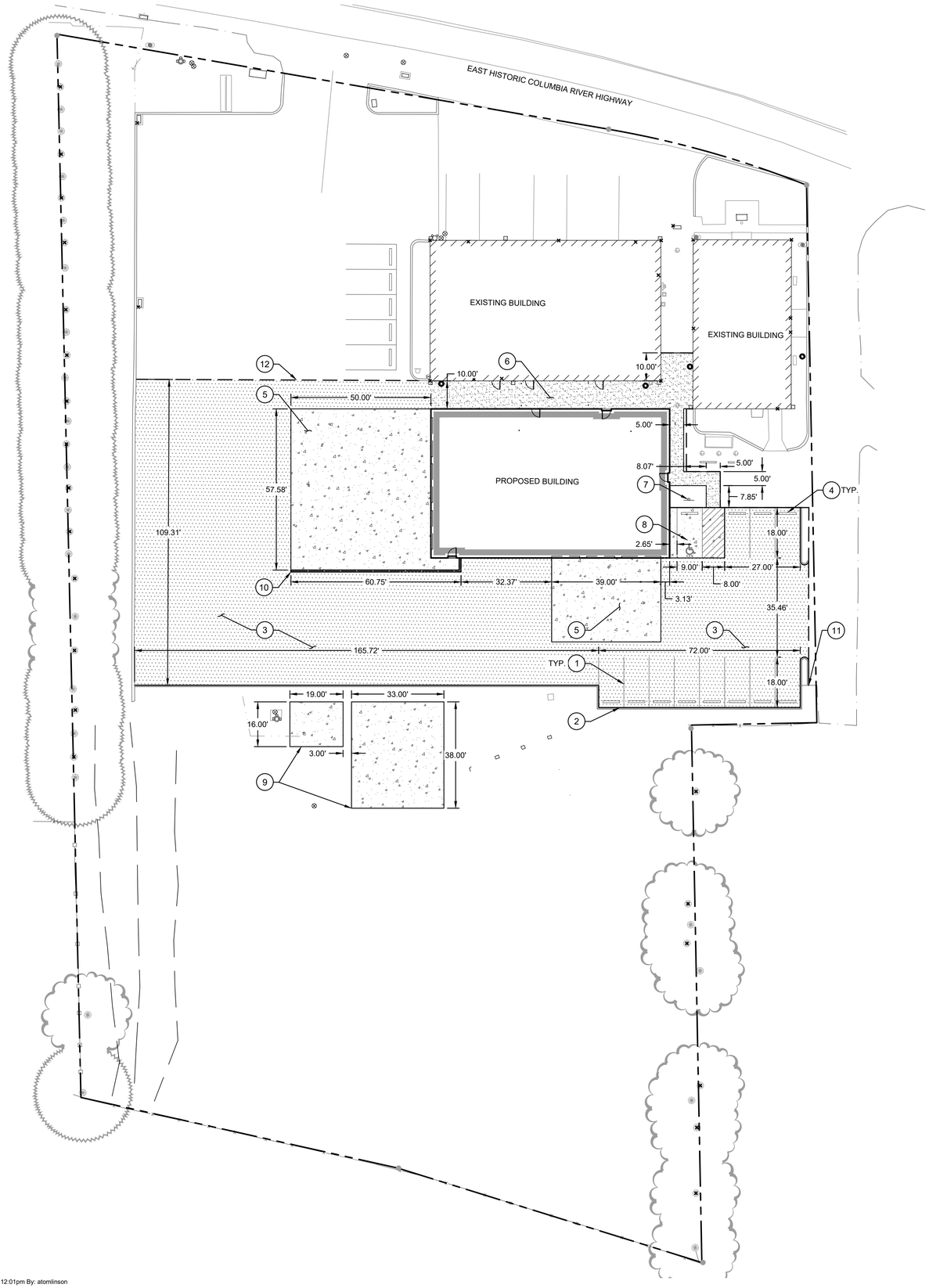
REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	24-C012
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
DEMOLITION PLAN

SHEET NUMBER:
C1.2

LAND USE SET



SHEET NOTES

1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF WALL.
2. ALL SIDEWALK PAVEMENT JOINTS SHALL BE CONSTRUCTED PER DETAIL X/C5.X.

KEY NOTES

1	STRIPING
2	STANDARD CURB
3	ASPHALT PAVEMENT
4	WHEEL STOP
5	HEAVY CONCRETE
6	CONCRETE SIDEWALK
7	ADA PARKING SIGN
8	ADA PARKING STALLS
9	CONCRETE PAD
10	RETAINING WALL
11	CURB ENDING
12	SAWCUT

SHEET LEGEND

- PROPERTY LINE
- CONCRETE SIDEWALK
- STANDARD ASPHALT PAVEMENT
- HEAVY CONCRETE

SCALE 1 INCH = 20 FEET

20 0 20 40

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CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR. 97019

LAND USE SET

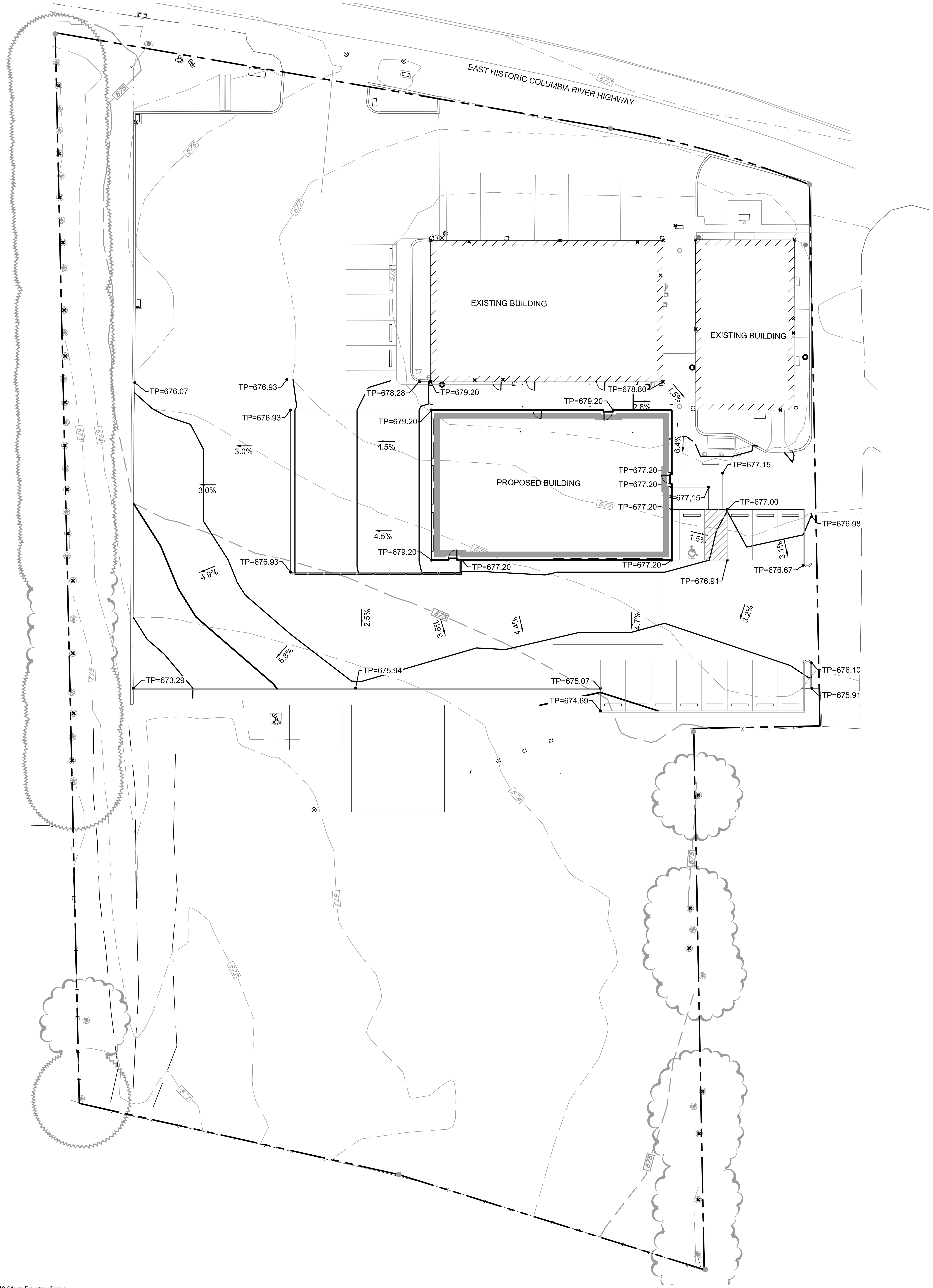
REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	**24-C012**
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C2.0
LAND USE SET

File: P:\2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C2.0_SITE.dwg TAB:C2.0
Plotted: 1/13/25 at 12:01pm By: atomlinson



SHEET NOTES

1. SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
2. LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
3. ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).
4. ALL WALKWAYS FROM ACCESSIBLE UNITS ARE DESIGNED TO NOT REQUIRE HANDRAILS. THEREFORE, RAMPS WITH SLOPES STEEPER THAN 5.0% AND LESS THAN 8.33% SHALL NOT EXCEED 0.5' RISE OR 6.0' LENGTH.
5. TOP OF CONCRETE OUTSIDE DOOR = FF ELEV. MINUS 0.02' SLOPE LANDING 1.5% AWAY FROM BLDG.

KEY NOTES

1 XXXXXXXXXX

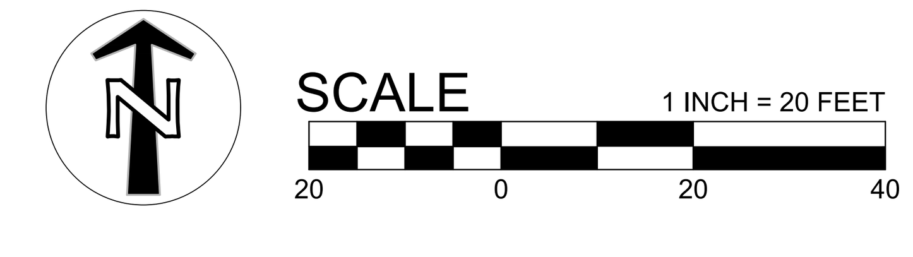
GRADING LABEL LEGEND

CALLOUT	DESCRIPTION
X.X%	GRADING SLOPE AND DIRECTION (DOWNHILL)
XX.XX	SPOT ELEVATION
XX	DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG

BOW	BACK OF WALK
BW	BOTTOM OF WALL
EG	EXISTING GRADE
FF	FINISHED FLOOR
FL	FLOW LINE
G	GUTTER
RIM	RIM OF STRUCTURE
TC	TOP OF CURB
TG	TOP OF GROUND
TP	TOP OF PAVEMENT
TW	TOP WALL

SHEET LEGEND

	DRAINAGE FLOW DIRECTION
	GRADE BREAK
49	EX. CONTOUR MINOR
50	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
50	CONTOUR MAJOR (FG)
>	CONVEYANCE SWALE



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CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	24-C012
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
GRADING PLAN

SHEET NUMBER:
C3.0

LAND USE SET

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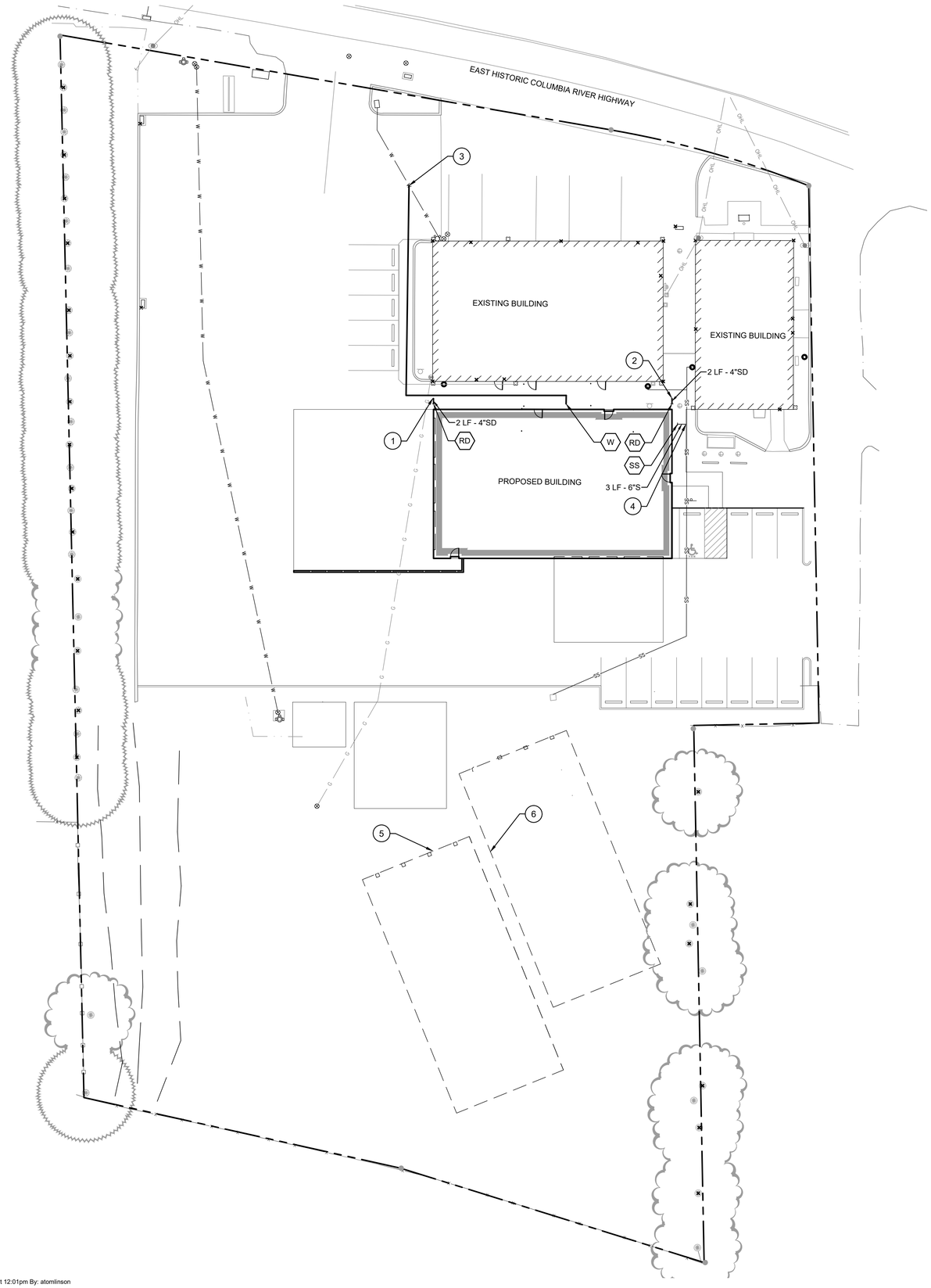

SHEET NOTES

1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL X/C5.X.
2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.
3. INSTALL TRUST BLOCK ON FIRE AND WATER LINES PER DETAIL X & X/CX.X.

(X) KEY NOTES

1 CONNECT ROOF DRAIN INTO EXISTING STORMWATER LINE
2 DISCHARGE ROOF DRAINS ONTO SPLASH BLOCK
3 CONNECT TO EXISTING WATER LINE
4 CONNECT TO EXISTING SANITARY LINE
5 FUTURE DRAIN FIELD
6 EXISTING DRAIN FIELD

UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE (SD=STORM DRAINAGE, S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
STRUCTURE TYPE CALLOUT
ID NUMBER (WHERE APPLICABLE)

XX XX-XX
N=XXXX.XX
E=XXXX.XX — LOCATION (WHERE APPLICABLE)
RIM=
IE IN = XX.X
IE OUT = XX.X — STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX%
SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT	DESCRIPTION	DETAIL REF.
BEND	BEND, USE FITTING IF APPLICABLE	X/CXX.X
BWV	BACKWATER VALVE	
CB	TRAPPED CATCH BASIN	
CO	CLEANOUT TO GRADE	
CONN	CONNECTION	
FD	FOUNDATION DRAINAGE POINT OF CONN.	
FDC	FIRE DEPARTMENT CONNECTION	
FH	FIRE HYDRANT	
GV	GATE VALVE	
TD	TRENCH DRAIN	
TEE	TEE CONNECTION	
WYE	WYE CONNECTION	

SHEET LEGEND

FP — CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION. (X/CXX.X)
RD — CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED. (X/CXX.X)
W — CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
SS — CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
!! — UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.

SCALE 1 INCH = 20 FEET
20 0 20 40

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CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	**24-C012**
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
UTILITY PLAN

SHEET NUMBER:
C4.0
LAND USE SET

xrefs: File: P-2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C4.0_UTIL.dwg TAB:C4.0
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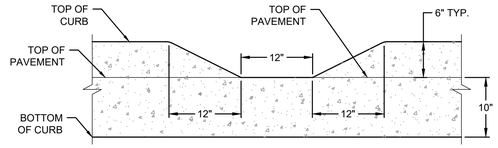
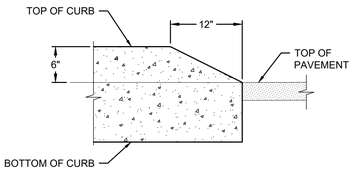
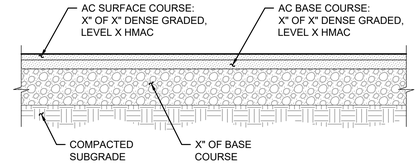


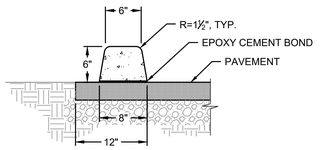
X CURB SPILLWAY - TYPE 1
SCALE: NTS



X CONCRETE CURB ENDING
SCALE: NTS

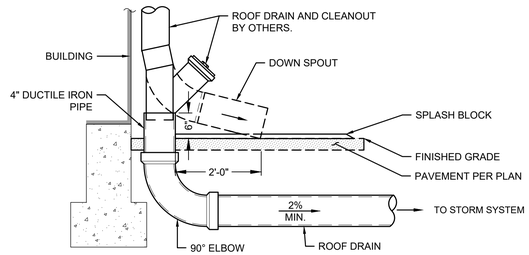


X ASPHALT PAVEMENT SECTION
SCALE: NTS

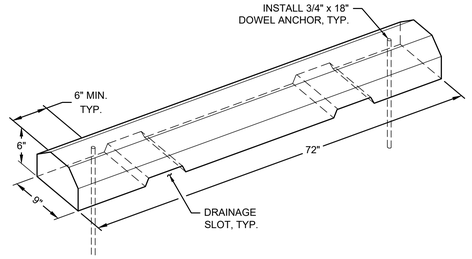


NOTES:
1. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.

X EXTRUDED CONCRETE CURB
SCALE: NTS

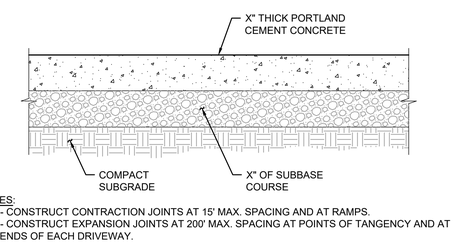


X ROOF DRAIN/DOWNSPOUT DRAIN CONNECTION
SCALE: NTS



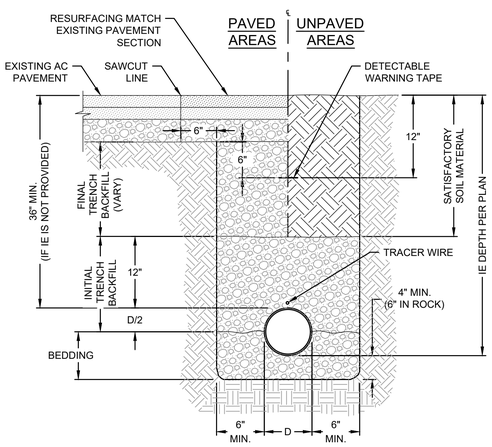
NOTES:
1. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM TO MANUFACTURER'S PRODUCTS APPROVED BY ENGINEER.

X PRECAST CONCRETE WHEEL STOP
SCALE: NTS

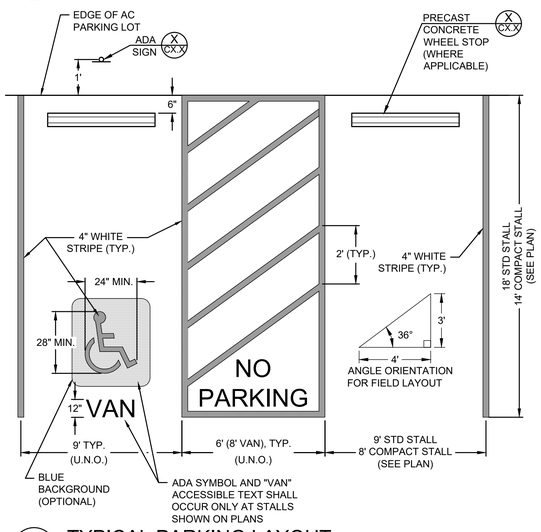


NOTES:
1. - CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS.
   - CONSTRUCT EXPANSION JOINTS AT 200' MAX. SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. PROVIDE MEDIUM TO COARSE BROOM FINISH.

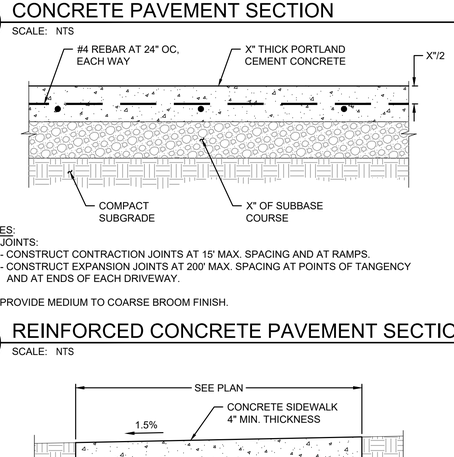
X CONCRETE PAVEMENT SECTION
SCALE: NTS



X TYPICAL PIPE BEDDING AND BACKFILL
SCALE: NTS

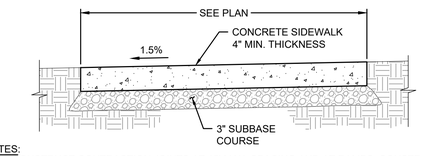


X TYPICAL PARKING LAYOUT
SCALE: NTS



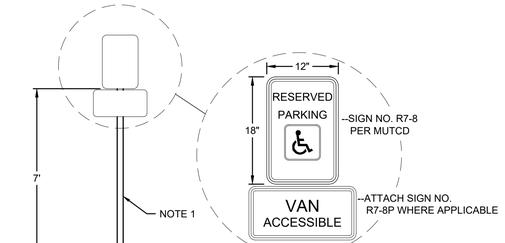
NOTES:
1. JOINTS:
   - CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS.
   - CONSTRUCT EXPANSION JOINTS AT 200' MAX. SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
2. PROVIDE MEDIUM TO COARSE BROOM FINISH.

X REINFORCED CONCRETE PAVEMENT SECTION
SCALE: NTS



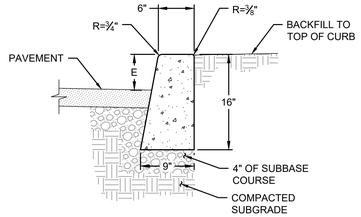
NOTES:
1. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING, AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY, UNLESS NOTED OTHERWISE.

X CONCRETE SIDEWALK
SCALE: NTS



NOTES:
1. 2" ID GALVANIZED STANDARD STEEL PIPE WITH CLOSED TOP (ASTM A120-65).
2. 8" DIA. CONCRETE FILLED POST HOLE.

X ADA PARKING SIGN - TYPE 1
SCALE: NTS



NOTES:
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED.
2. CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. CONSTRUCT EXPANSION JOINTS AT 200' MAX SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.
3. TOPS OF ALL CURBS SHALL SLOPE TOWARD THE ROADWAY AT 2% UNLESS OTHERWISE SHOWN OR AS DIRECTED.
4. DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM WITH CURB MACHINE AS APPROVED BY THE ENGINEER.

X STANDARD CONCRETE CURB
SCALE: NTS

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CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	EEYKELBOSCH
PROJECT NO:	**24-C012**
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
DETAILS

SHEET NUMBER:
C5.0
LAND USE SET

File: P:\2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C5.0_DETL.dwg TAB:C5.0
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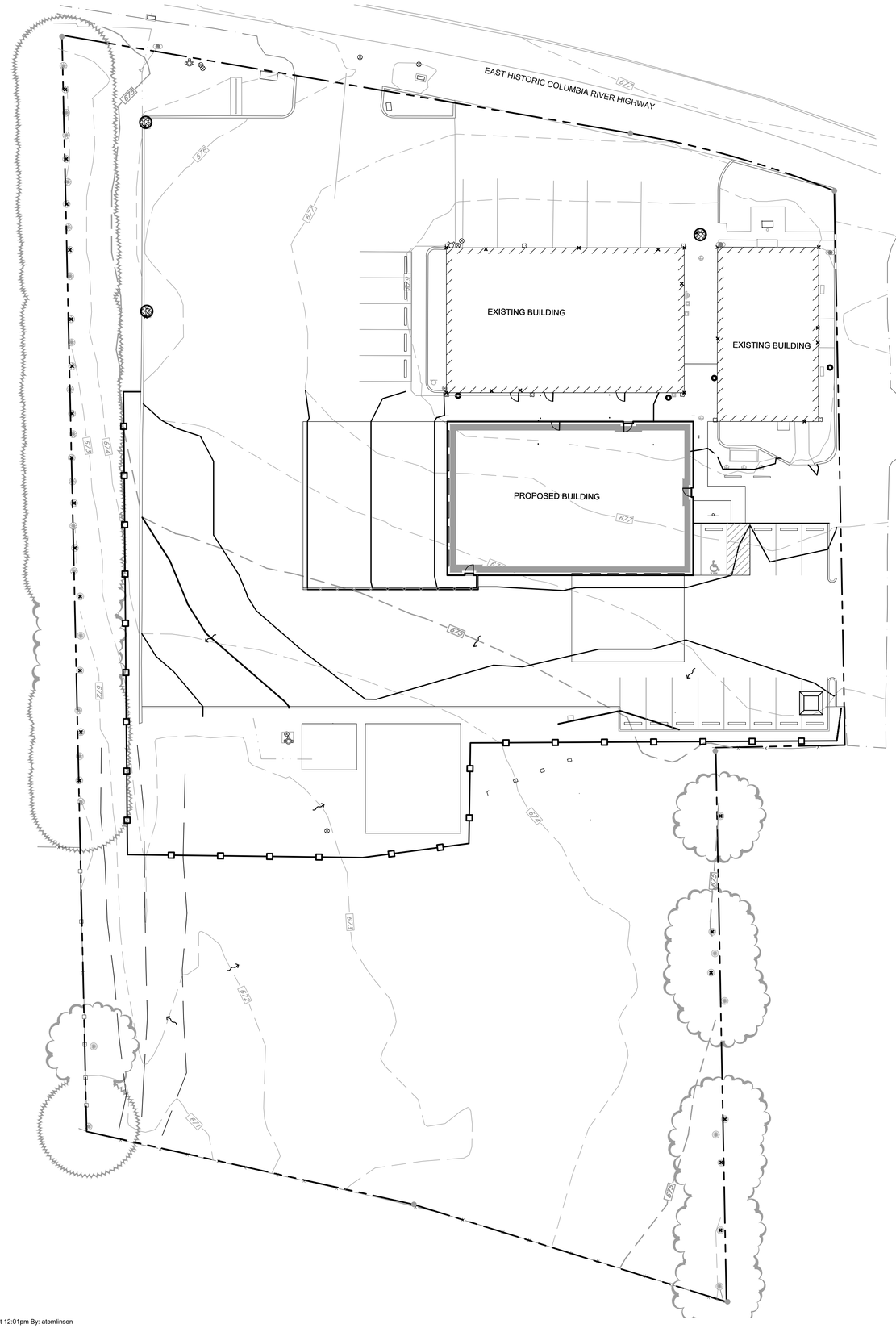
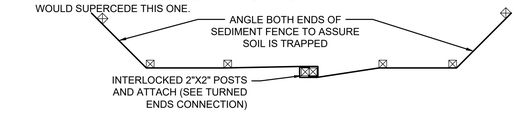
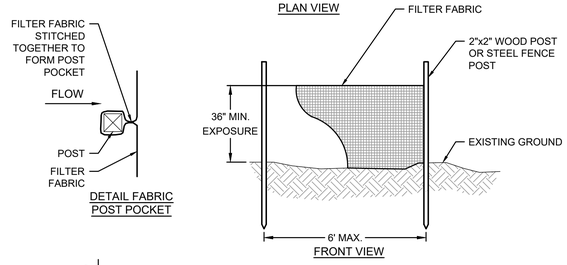


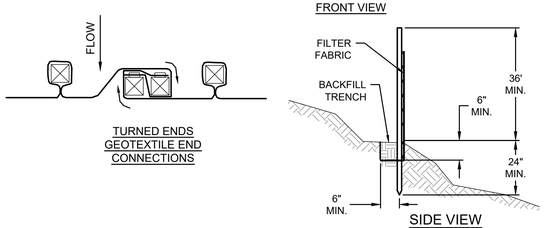
NOTES TO DESIGNER:

1. VERIFY THAT LOCAL JURISDICTION THEIR OWN SERIES OF STANDARD EROSION CONTROL DRAWINGS WHICH WOULD SUPERCEDE THIS ONE.



PLAN VIEW



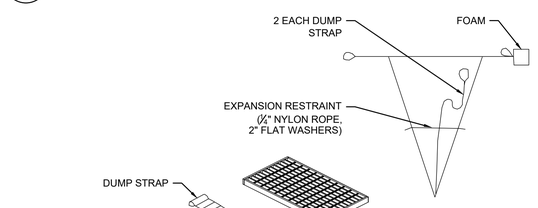


NOTES:

1. THE FILTER FABRIC SHALL BE (36" MIN. WIDTH) PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2"x2" POSTS AND ATTACH AS SHOWN ON DETAIL SHEET.
2. THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6-FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24-INCHES.
3. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6-INCHES. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACKFILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
4. STANDARD OR HEAVY DUTY FILTER FABRIC SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2"x2" POST INSTALLATION. STITCHED LOOPS WITH STAKES SHALL BE INSTALLED ON THE DOWN-HILL SIDE OF THE SLOPED AREA.
5. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
6. FILTER FABRIC FENCES SHALL BE INSPECTED BY CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS, RELOCATIONS OR ADDITIONS SHALL BE MADE IMMEDIATELY.

X SEDIMENT FENCE

SCALE: NTS



NOTE:
1. REGULAR FLOW INSERT BAG. DO NOT USE HIGH FLOW BAGS

X INLET SEDIMENT PROTECTION

SCALE: NTS

SHEET LEGEND

- PROPERTY LINE
- 49 EX. CONTOUR MINOR
- 50 EX. CONTOUR MAJOR
- 49 PROP. CONTOUR MINOR
- 50 PROP. CONTOUR MAJOR
- EXTENT OF WORK
- SEDIMENT CONTROL FENCE. PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY). X XXXX
- INLET PROTECTION X XXXX
- DRAINAGE FLOW DIRECTION
- 7' X 7' - "ECOPAN" CONCRETE WASHOUT, CONTACT JAIME SHEARER (503) 209-3204

SCALE 1 INCH = 20 FEET

20 0 20 40

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(503) 624-7005

PRELIMINARY NOT FOR CONSTRUCTION

1001 SE SANDY BLVD, PORTLAND, OR, 92714

CORBETT FIRESTATION 62 ADDITION

36930 EAST HISTORIC COLUMBIA RIVER HWY
CORBETT, OR, 97019

LAND USE SET

REV	DATE	ISSUE TITLE

PROJECT MANAGER:	EME
DESIGNER:	ABT
DRAWN BY:	ATOMLINSON
PROJECT NO:	**24-C012**
DATE:	01/10/2025
SCALE:	AS SHOWN

SHEET TITLE:
EROSION AND SOIL CONTROL PLAN

SHEET NUMBER:
C6.0

LAND USE SET

File: P:\2024\24-C012 (Corbett Station 62 Addition)\300 Document Development - Froelich\302 CAD\PLOT\24-C012_C6.0_ERSC.dwg TAB:C6.0
Plotted: 1/13/25 at 12:01pm By: atomlinson