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 (SAFEL)

CALL THE OREGON ONE-CALL CENTER 1-800-332-2344

EMERGENCY TELEPHONE NUMBERS

NW NATURAL GAS M-F 7am-5pm 503-226-4211 EXT.4313 AFTER HOURS 503-226-4211 503-226-4211

VERIZON

503-464-7777 1-800-573-1311 1-800-483-1000



GENERAL NOTES

- 1. 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.
- 2. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
- 3. PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
- 4. WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED - DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY.
- 5. 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.
- 6. 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.
- 7. 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 LOCAL JURISDICTION REQUIREMENTS.
- 8. 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.
- 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.
- 10. 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 AAI ENGINEERING, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
- 11. 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.
- 12. TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. 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.
- 13. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
- 14. TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO LOCAL JURISDICTION FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE
- 16. THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES.
- 17. THE CONTRACTOR SHALL KEEP THE ENGINEER AND JURISDICTION INFORMED OF CONSTRUCTION PROGRESS TO FACILITATE SITE OBSERVATIONS AT REQUIRED INTERVALS. 24-HOUR NOTICE IS REQUIRED.
- 18. EXISTING SURVEY MONUMENTS ARE TO BE PROTECTED DURING CONSTRUCTION OR REPLACED IN ACCORDANCE WITH OREGON REVISED STATUTES 209.140 - 209.155.

CONSTRUCTION NOTES

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.
- . 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.

- 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 ÒCCURS.
- 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 2024 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 1 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.
- 4. ALL STORM AND SANITARY FITTINGS TO BE ECCENTRIC FITTINGS UNLESS OTHERWISE NOTED.

<u>WATER</u>

- 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 PROPERLY RESTRAINED WITH THRUST BLOCKS PER DETAIL.
- 3. ALL WATER MAIN / SANITARY SEWER CROSSINGS SHALL CONFORM TO THE OREGON STATE HEALTH DEPARTMENT REGULATIONS, CHAPTER 333.

EARTHWORKS

- 1. CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE
- 2. TRENCH BEDDING AND BACKFILL SHALL BE AS SHOWN ON THE PIPE BEDDING AND BACKFILL DETAIL, THE PROJECT SPECIFICATIONS AND AS REQUIRED IN THE SOILS REPORT. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER WILL NOT BE PERMITTED.
- 3. SUBGRADE AND TRENCH BACKFILL SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER IS NOT PERMITTED.

<u>PAVING</u>

1. SEE ARCHITECTURAL PLANS FOR SIDEWALK FINISHING AND SCORING PATTERNS.

MATERIAL NOTES

- 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 ENGINEER PRIOR TO INSTALLATION.
- 2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE AS INDICATED IN THE PLANS. PIPES WITH LESS THAN 2' OF COVER SHALL BE C900/C905 PVC, HDPE OR DUCTILE IRON
- 3. PRIVATE WATER MAINS 4-INCH DIAMETER AND LARGER SHALL BE DUCTILE IRON PIPE SCH 52 OR C900; AS INDICATED IN THE PLANS.
- 4. PRIVATE WATER LINES 3-INCH DIAMETER AND SMALLER SHALL BE TYPE K COPPER OR PVC; AS INDICATED IN THE PLANS.
- 5. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS.

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.

LEGEND

PROPERTY LINE CONCRETE SIDEWALK SURFACING ASPHALT SURFACING

GRADING LABEL LEGEND

— SPOT ELEVATION XX.XX XX — DESCRIPTION LISTED BELOW. DOOR SILL EXISTING GRADE FINISHED FLOOR ELEVATION LOW POINT SIDEWALK TOP OF CURB TOP OF PAVEMENT

LEGEND

EXISTING CONTOUR MINOR — — — — 102— — — — EXISTING CONTOUR MAJOR PROPOSED CONTOUR MINOR PROPOSED CONTOUR MAJOR ———— 100 ——— GRADE BREAK SANITARY SEWER LINE WATER LINE STORM LINE _

LABEL LEGEND

PIPE LABELS

— UTILITY LENGTH — UTILITY SIZE

XXLF − XX" XX - UTILITY TYPE

WM WATER METER PER CITY DETAIL 309/C4.1

S=X.XX% → SLOPE (WHERE APPLICABLE)

STRUCTURE LABELS

-UTILITY TYPE (FP=FIRE PROTECTION, S=SANITARY, SD=STORM DRAINAGE, W=WATER) — STRUCTURE TYPE (SEE BELOW) XX XX-XX —— ID NUMBER (WHERE APPLICABLE) RIM = XX.XX

IE IN=XX.X → STRUCTURE INFO (WHERE APPLICABLE) IE OUT=XX.X

STRUCTURE TYPES TYPE DESCRIPTION BF REDUCED PRESSURE BACKFLOW ASSEMBLY PER DETAIL 11/C4.0 CB CATCH BASIN PFR DFTAIL 13/C4.0 GI GREASE INTERCEPTOR PER DÉTAIL G12-GGI-2500/C4.2 RD ROOF DRAIN CONNECTION

EXPIRES: 6/30/2026

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SHEET TITLE

GENERAL NOTES

DATE: 09/27/24 DRAWN: AMW CHECKED: JMS **REVISIONS:**

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DECIDUOUS TREE EXTENTS OF DRIPLINE SHOWN, SPECIES AND

ABBREVIATIONS LEGEND:

(E) PAVEMENT

(E) - EXISTING
CONC - CONCRETE
CB - CATCH BASIN
FD - FOUND
IR - IRON ROD
MH - MANHOLE
PP - PARTITION PLAT
R/W - RIGHT-OF-WAY
SS - SANITARY
SEWER
SD - STORM DRAIN
W/ - WITH
YPC - YELLOW
PLASTIC CAP

LEGEND:

FOUND MONUMENT

SHEET TITLE

EXISTING CONDITIONS

DATE: 09/27/24

DRAWN: AMW

CHECKED: JMS

REVISIONS:

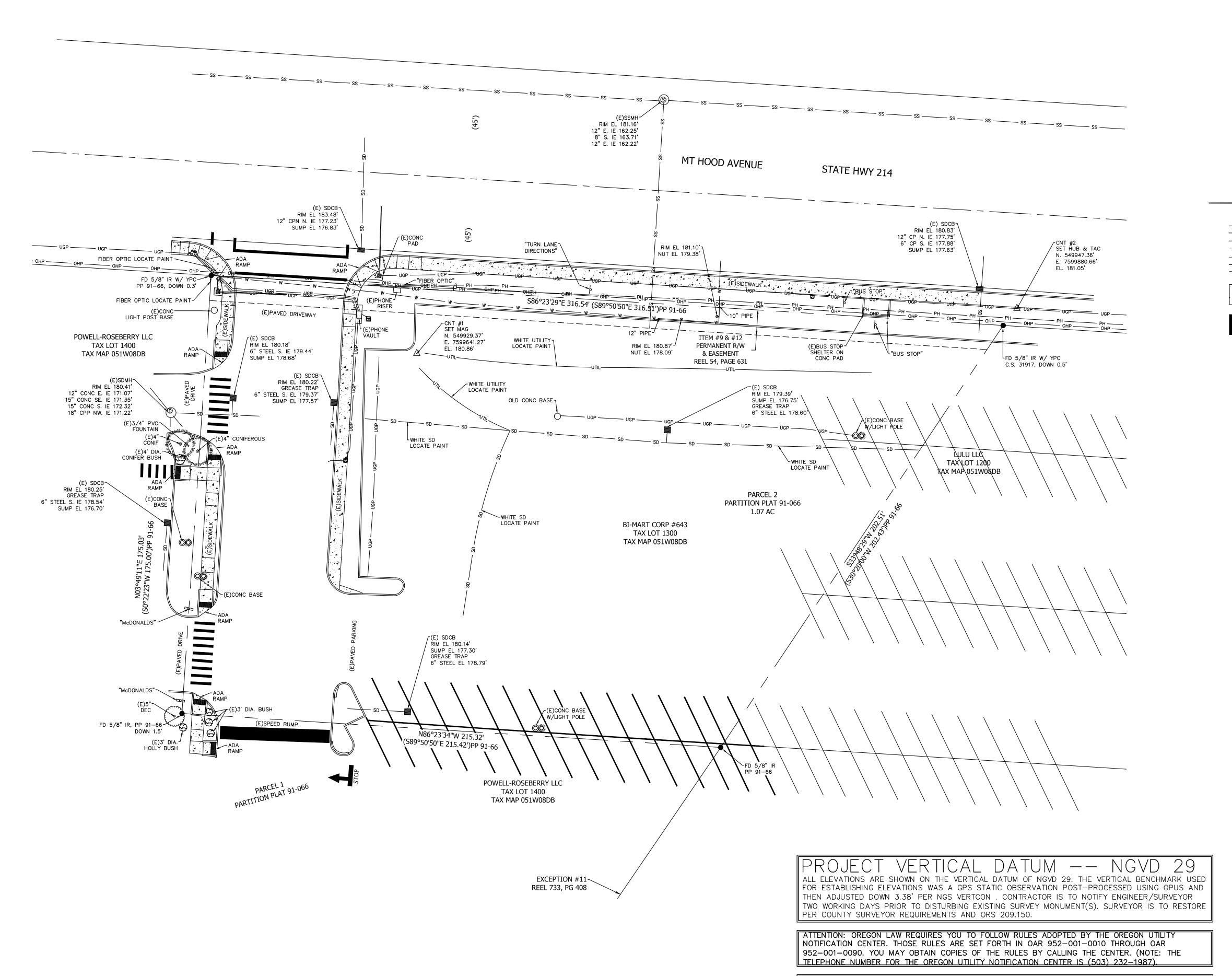
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SHEET NUMBER

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03/05/24 - LAND USE SUBMITTAL JOB NUMBER: A24112.10

(IN FEET)

1 inch = 20 feet

THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD

VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

EXPIRES: 6/30/2026

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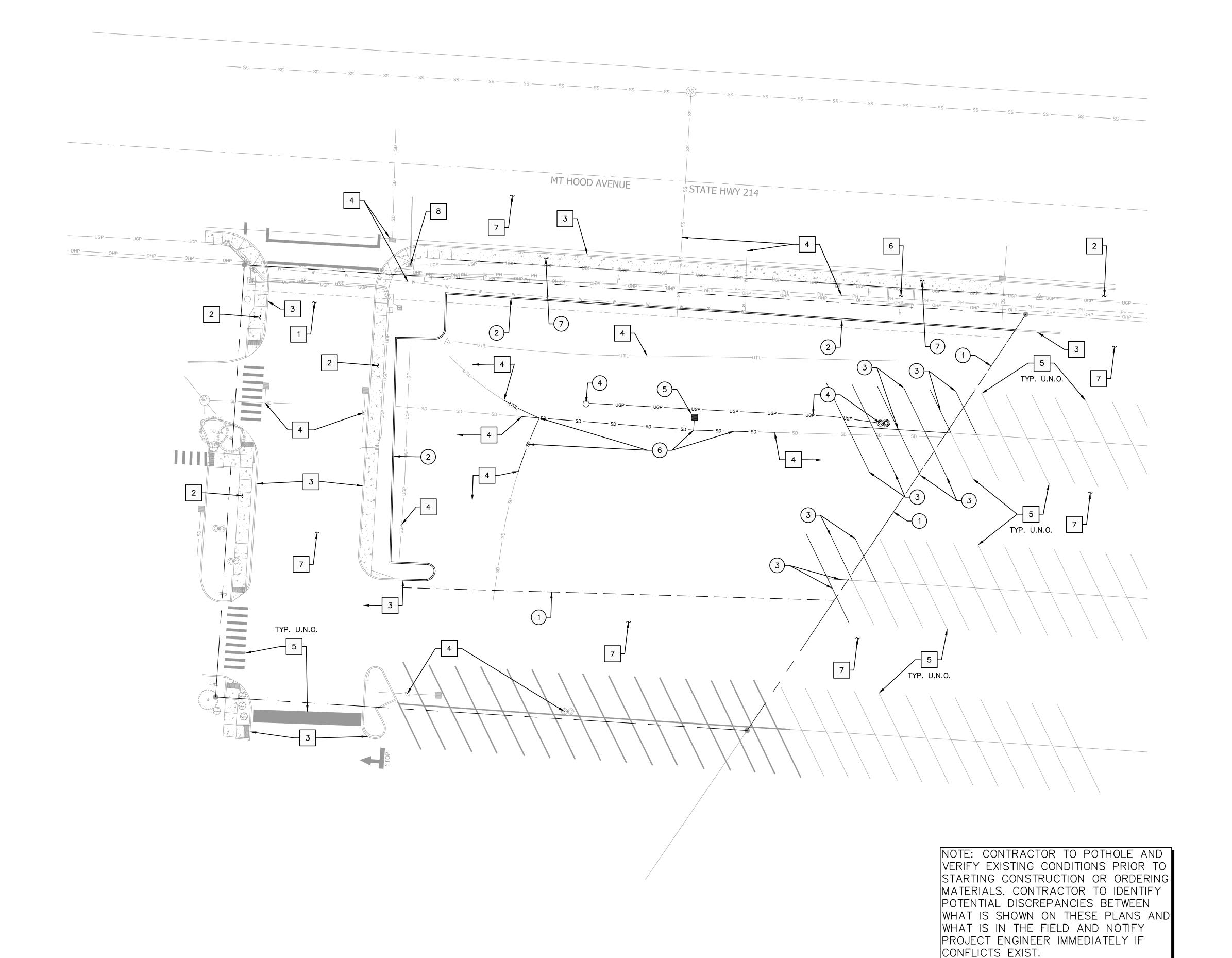
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SHEET NUMBER

JOB NUMBER: A24112.10



SHEET NOTES

- 1. SEE SHEET CO.1 FOR GENERAL SHEET NOTES.
- 2. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- 3. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- 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. PROTECT ALL EXISTING UTILITY STRUCTURES AND UNDERGROUND MAINS TO REMAIN.
- 11. PROTECT ALL EXISTING VEGETATION TO REMAIN.

PROTECTION NOTES

- 1 PROTECT EXISTING DRIVEWAY ENTRANCE
- 2 PROTECT EXISTING SIDEWALK
- 3 PROTECT EXISTING CURB
- 4 PROTECT EXISTING UTILITY
- 5 PROTECT EXISTING STRIPING
- 6 PROTECT EXISTING BUS STOP
- 7 PROTECT EXISTING ASPHALT
- 8 PROTECT EXISTING POLE

DEMOLITION NOTES

- 1 SAWCUT AND REMOVE EXISTING ASPHALT
- 3 REMOVE EXISTING STRIPING
- 4 REMOVE EXISTING LIGHT POLE AND ASSOCIATED UTILITY
- DETAILS.

- 2 REMOVE EXISTING CURB

- 5 REMOVE EXISTING CATCH BASIN. SEE UTILITY PLAN FOR
- 6 REMOVE AND REROUTE EXISTING STORM LINE AROUND PROPOSED BUILDING. SEE UTILITY PLAN FOR DETAILS.
- 7 REMOVE EXISTING PUBLIC SIDEWALK. SEE HARDSCAPE PLAN FOR NEW LOCATION.

- 1. SEE SHEET CO.1 FOR GENERAL SHEET NOTES. 2. SEE ARCHITECTURAL PLANS FOR ADDITIONAL SITE INFORMATION.
- 3. THE CONTRACTOR SHALL HAVE A FULL SET OF THE CURRENT APPROVED CONSTRUCTION DOCUMENTS INCLUDING ADDENDA ON THE PROJECT SITE AT ALL TIMES.
- 4. THE CONTRACTOR SHALL KEEP THE ENGINEER AND JURISDICTION INFORMED OF CONSTRUCTION PROGRESS TO FACILITATE SITE OBSERVATIONS AT REQUIRED INTERVALS. 24-HOUR NOTICE IS REQUIRED.

(X) CONSTRUCTION NOTES

- 1 INSTALL CURB PER DETAIL 1/C4.0
- 2 INSTALL ASPHALT SURFACE PER DETAIL 2/C4.0
- 3 INSTALL CONCRETE SIDEWALK PER DETAIL 3/C4.0
- 4 INSTALL STRIPING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 5 INSTALL WHEELSTOP PER DETAIL 7/C4.0
- 6 INSTALL ADA RAMP TYPE 2 PER DETAIL 5/C4.0
- 7 INSTALL BOLLARD. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 8 INSTALL ADA PARKING PER DETAIL 6/C4.0
- 9 INSTALL SIGN. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 10 INSTALL BIKE PARKING. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 11 INSTALL TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- 12 INSTALL SITE LIGHTING. SEE ELECTRICAL PLANS FOR
- DETAILS. 13 INSTALL ADA RAMP TYPE 3 PER DETAIL 12/C4.0
- 14 INSTALL ADA RAMP TYPE 1 PER DETAIL 4/C4.0
- 15 INSTALL STOP SIGN PER DETAIL 1/C4.1
- 16 INSTALL 6' PUBLIC SIDEWALK PER ODOT AND CITY STANDARDS.

LEGEND PROPERTY LINE CENTERLINE CONCRETE SIDEWALK SURFACING

ASPHALT SURFACING

NOTE: CONTRACTOR TO POTHOLE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION OR ORDERING MATERIALS. CONTRACTOR TO IDENTIFY POTENTIAL DISCREPANCIES BETWEEN WHAT IS SHOWN ON THESE PLANS AND WHAT IS IN THE FIELD AND NOTIFY PROJECT ENGINEER IMMEDIATELY IF CONFLICTS EXIST.

SHEET TITLE

HARDSCAPE PLAN

EXPIRES: 6/30/2026

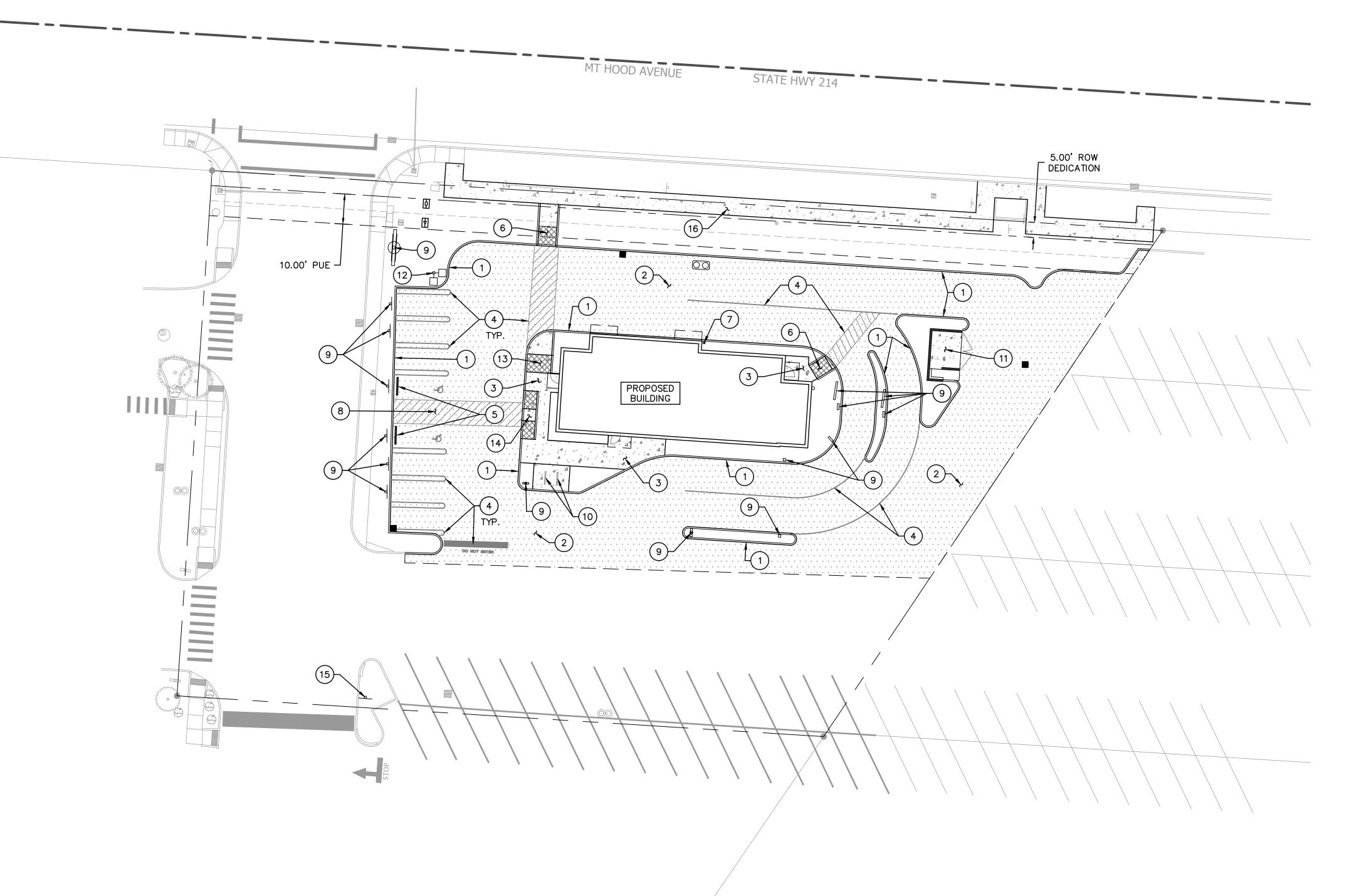
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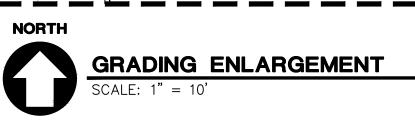
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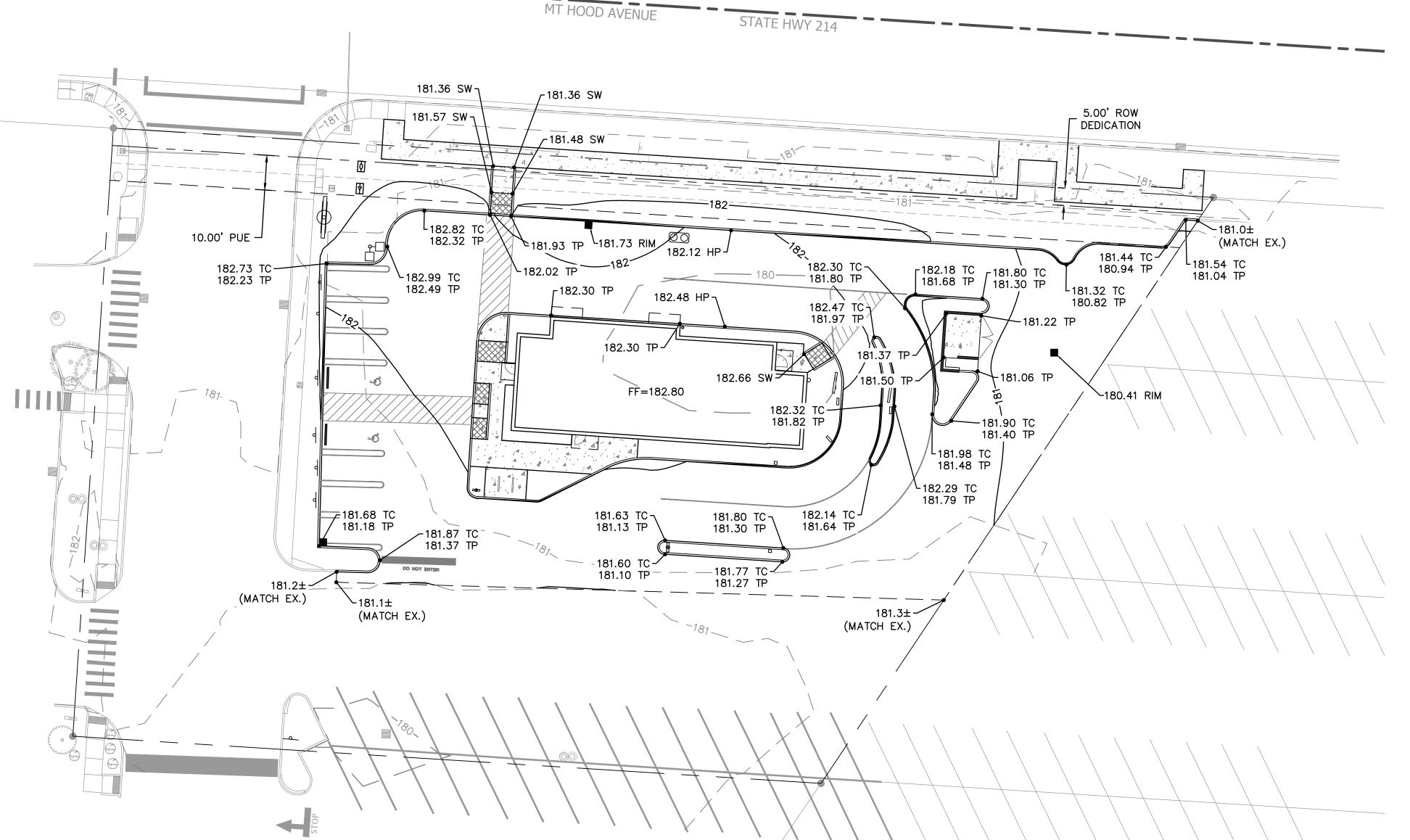
JOB NUMBER: A24112.10



03/05/24 - LAND USE SUBMITTAL

(IN FEET) 1 inch = 20 feet





SHEET NOTES

- 1. SEE SHEET CO.1 FOR GENERAL SHEET NOTES.
- 2. CURB HEIGHTS ARE 6" UNLESS NOTED OTHERWISE. 3. LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2%
- IN ANY DIRECTION. 4. ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND
- FACILITIES (ADAAG). 5. 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.
- 6. FINISH GRADES ARE TO BE BROUGHT TO WITHIN 0.08 FT IN 10 FT OF THE GRADES SHOWN AT SUBGRADE AND TO WITHIN 0.03 FT IN 10 FT AT FINISH GRADE. CONTRACTOR TO ALLOW FOR PLACEMENT OF REQUIRED TOPSOIL IN ROUGH GRADING.
- 7. GRADING ELEVATIONS AS SHOWN ON SITE AND LANDSCAPE PLANS ARE FINISHED GRADE WHICH INCLUDES SUBGRADE SOIL, TOPSOIL, SOIL AMENDMENTS, ROCKERY AND RUNOFF PROTECTION CONTRACTOR IS RESPONSIBLE TO COORDINATE GRADING WITH BOTH EXCAVATOR AND LANDSCAPE CONTRACTOR.

GRADING LABEL LEGEND

- SPOT ELEVATION

XX.XX XX — DESCRIPTION LISTED BELOW.

DOOR SILL EXISTING GRADE

FINISHED FLOOR ELEVATION HIGH POINT

SIDEWALK TOP OF CURB TOP OF PAVEMENT

LEGEND

EXISTING CONTOUR MINOR EXISTING CONTOUR MAJOR PROPOSED CONTOUR MINOR PROPOSED CONTOUR MAJOR GRADE BREAK

NOTE: CONTRACTOR TO POTHOLE AND VERIFY EXISTING CONDITIONS PRIOR TO STARTING CONSTRUCTION OR ORDERING MATERIALS. CONTRACTOR TO IDENTIFY WHAT IS SHOWN ON THESE PLANS AND WHAT IS IN THE FIELD AND NOTIFY PROJECT ENGINEER IMMEDIATELY IF CONFLICTS EXIST.

(IN FEET) 1 inch = 20 feet

SHEET TITLE

GRADING PLAN

EXPIRES: 6/30/2026

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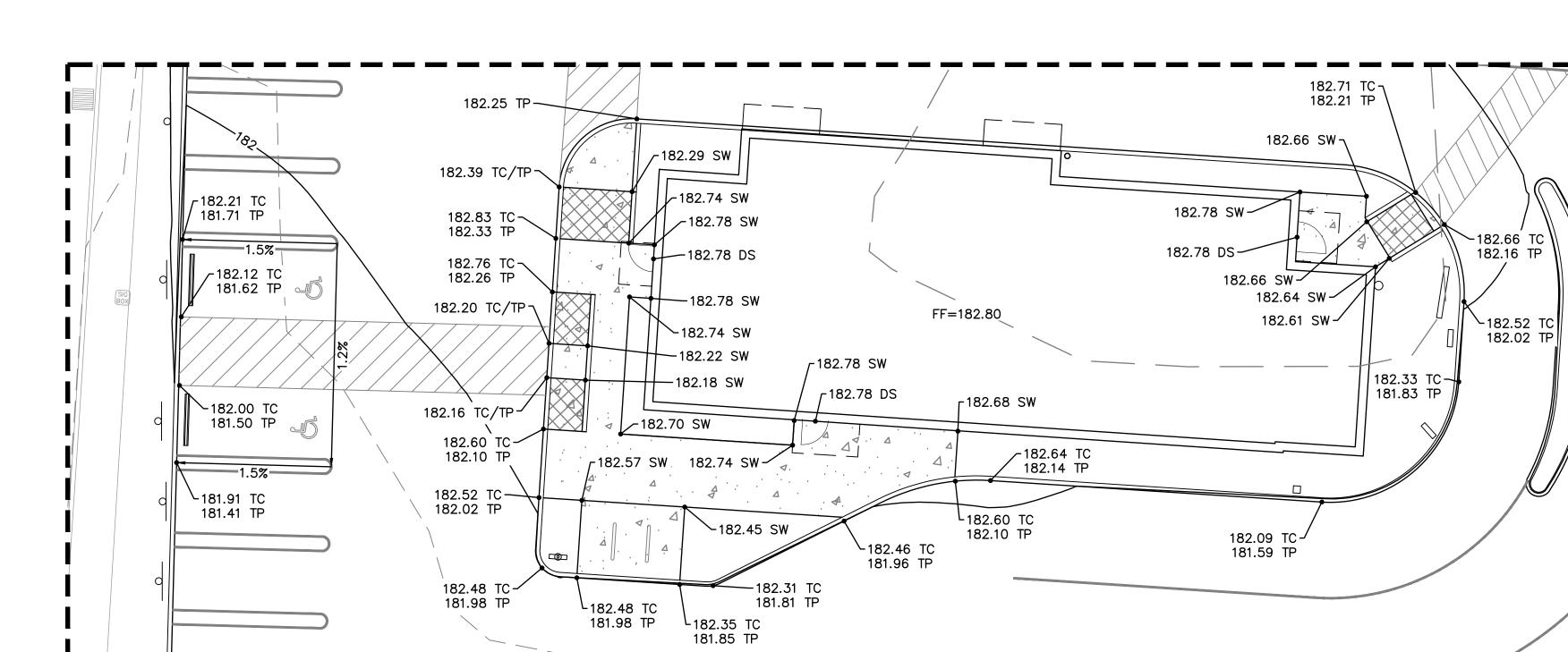
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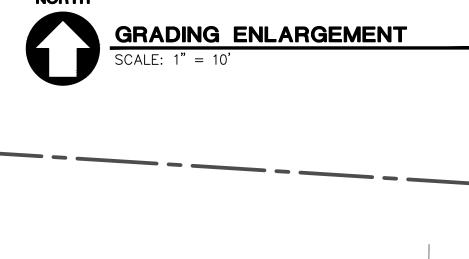
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SHEET NUMBER





WATER NOTES

- 1 WATER BUILDING POINT OF CONNECTION
- 2 WET TAP EXISTING 12" WATER MAIN.

SHEET NOTES

- 1. SEE SHEET CO.1 FOR GENERAL SHEET NOTES.
- 2. STRUCTURES HORIZONTAL LOCATIONS AND PIPE INVERTS ARE BASED ON THE CENTER OF THE STRUCTURE.
- 3. PIPE BEDDING AND BACKFILL UTILITIES SHALL BE DONE PER DETAIL 9/C4.0.
- 4. INSTALL THRUST BLOCKS ON FIRE AND WATER LINES PER DETAIL 10/C4.0.
- 5. ALL SANITARY PIPING SHALL BE PVC 3034 OR APPROVED EQUAL UNLESS NOTED OTHERWISE.
- 6. THIS PLAN IS GENERALLY DIAGRAMMATIC. IT DOES NOT SHOW EVERY JOINT, BEND, FITTING, OR ACCESSORY REQUIRED FOR CONSTRUCTION.
- 7. CLEAN OUTS SHALL BE INSTALLED IN CONFORMANCE WITH UPC CHAPTER SEVEN, SECTION 707 AND SECTION 719. THIS PLAN MAY NOT SHOW ALL REQUIRED CLEAN OUTS.
- 8. DOMESTIC WATER AND FIRE LINES AND ACCESSORIES BETWEEN THE WATER METER AND THE BUILDING SHALL BE INSTALLED BY A LICENSED PLUMBER EMPLOYED BY A LICENSED PLUMBING CONTRACTOR.
- 9. UTILITIES WITHIN FIVE FEET OF A BUILDING SHALL BE CONSTRUCTED OF MATERIALS APPROVED FOR INTERIOR USE AS DESCRIBED IN THE CURRENT EDITION OF THE UPC.
- 10. INLETS AND OUTLETS TO ON-SITE MANHOLES SHALL HAVE FLEXIBLE CONNECTION NO CLOSER THAN 12" AND NO FARTHER THAN 36" FROM THE MANHOLE.
- 11. CONTRACTOR TO VERIFY SANITARY AND WATER SIZING AND INVERTS WITH APPROVED PLUMBING PLANS PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION OF SAID UTILITIES.
- 12. ALL STORM AND SANITARY FITTINGS TO BE ECCENTRIC FITTINGS UNLESS OTHERWISE NOTED.

LABEL LEGEND

PIPE LABELS

— UTILITY LENGTH — UTILITY SIZE

XXLF - XX" XX - UTILITY TYPE

S=X.XX% - SLOPE (WHERE APPLICABLE)

STRUCTURE LABELS

-UTILITY TYPE (FP=FIRE PROTECTION, S=SANITARY, SD=STORM DRAINAGE, W=WATER) - STRUCTURE TYPE (SEE BELOW)

RIM = XX.XXIE IN=XX.X IE OUT=XX.X

XX XX-XX —— ID NUMBER (WHERE APPLICABLE)

→ STRUCTURE INFO (WHERE APPLICABLE)

STRUCTURE TYPES

TYPE DESCRIPTION

REDUCED PRESSURE BACKFLOW ASSEMBLY PER DETAIL 11/C4.0 CB CATCH BASIN PER DETAIL 13/C4.0 GI GREASE INTERCEPTOR PER DÉTAIL G12-GGI-2500/C4.1 RD ROOF DRAIN CONNECTION

WM WATER METER PER CITY DETAILS 5000-4 & 5050-1/C4.1

LEGEND

SANITARY SEWER LINE

WATER LINE

FIRE LINE

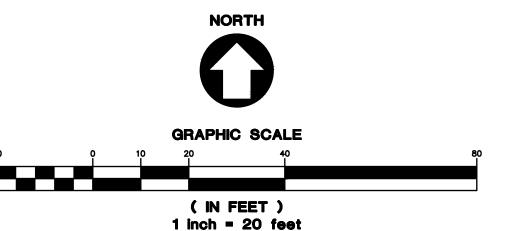
STORM LINE

STORM NOTES

- 1 EXISTING CATCH BASIN TO REMAIN.
- 2 CONNECT INTO EXISTING ONSITE 6" STORM PIPE.
- 3 INSTALL CATCH BASIN AT NEW LOW POINT.
- 4 CONNECT TO EXISTING ONSITE STORM PIPE (UNKNOWN DIAMETER).

SANITARY NOTES

- 1 SANITARY BUILDING POINT OF CONNECTION
- 2 CONNECT TO EXISTING 8" SANITARY LATERAL ON—SITE. CONTRACTOR TO VERIFY EXISTING IE.



EXPIRES: 6/30/2026

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SHEET TITLE

UTILITY PLAN

DATE: 09/27/24 DRAWN:

CHECKED: **REVISIONS:**

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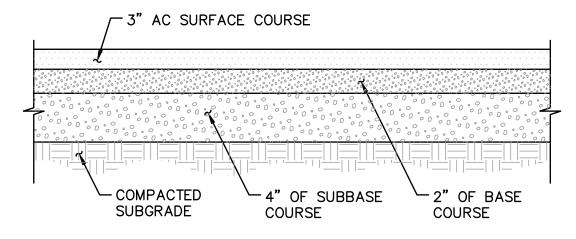
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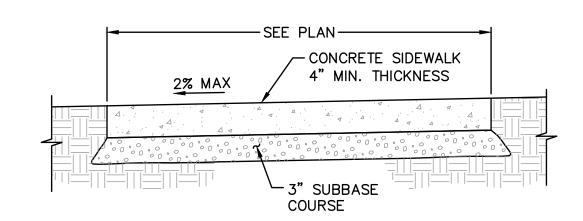
1. CURB EXPOSURE 'E' = 6", TYP. VARY AS SHOWN ON PLANS OR AS DIRECTED

- 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.

CONCRETE CURB - STANDARD



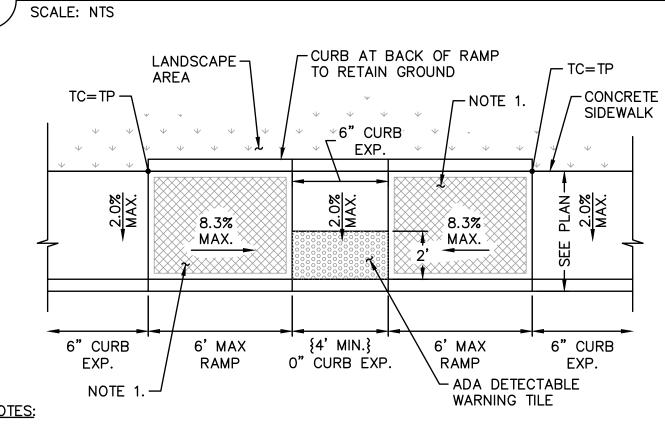
STANDARD ASPHALT PAVEMENT SECTION



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.

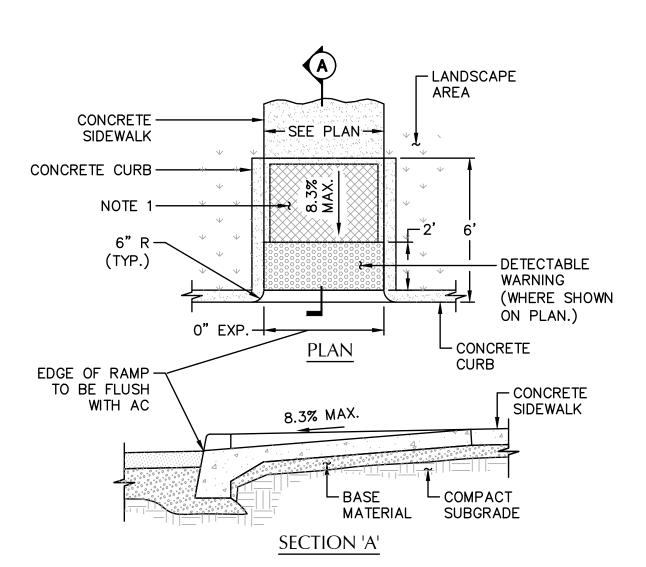
- 2. CONCRETE SHALL BE 3000 P.S.I AT 28 DAYS, 6 SACK MIX, SLUMP RANGE OF 1-1/2" TO 3".
- 3. PANELS SHALL BE 5 FEET LONG.
- 4. EXPANSION JOINTS TO BE PLACED AT SIDES OF DRIVEWAY APPROACHES, UTILITY VAULTS, WHEELCHAIR RAMPS, AND AT SPACING NOT TO EXCEED 45
- 5. FOR SIDEWALKS ADJACENT TO THE CURB AND POURED AT THE SAME TIME AS THE CURB, THE JOINT BETWEEN THEM SHALL BE A TROWELED JOINT WITH A MINIMUM 1/2" RADIUS
- 6. SIDEWALK SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES IF MOUNTABLE CURB IS USED OR IF SIDEWALK IS INTENDED AS PORTION OF DRIVEWAY. OTHERWISE SIDEWALK SHALL HAVE A MINIMUM THICKNESS OF 4 INCHES.
- 7. DRAIN BLOCKOUTS IN CURBS SHALL BE EXTENDED TO BACK OF SIDEWALK WITH 3" DIA. PVC PIPE AT 2% SLOPE. CONTRACTION JOINT TO BE PLACED OVER

CONCRETE SIDEWALK 3



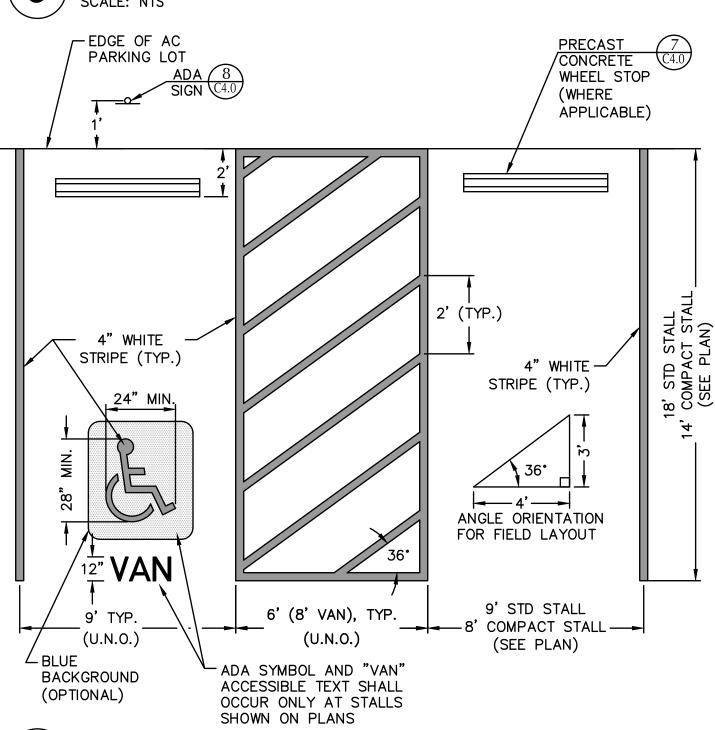
PROVIDE RAMP TEXTURING WITH AN EXPANDED METAL GRATE PLACED ON AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. EACH DIAMOND SHALL BE 11/4" LONG BY 1/2" WIDE WITH THE LONG SECTION AXIS ORIENTED PERPENDICULAR TO THE CURB. THE GROOVES SHALL BE 1/8" DEEP BY 1/4" WIDE.

CURB RAMP - TYPE 1 SCALE: NTS

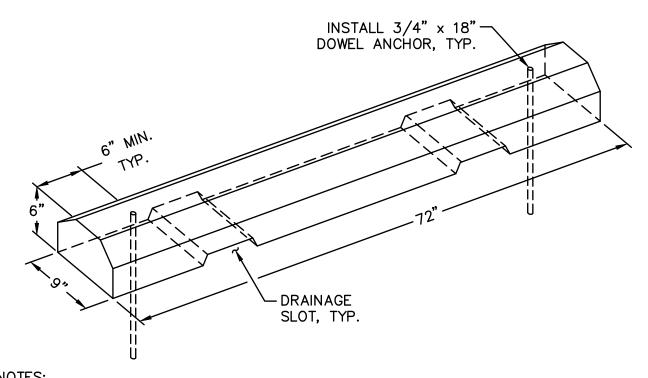


PROVIDE RAMP TEXTURING WITH AN EXPANDED METAL GRATE PLACED ON AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. EACH DIAMOND SHALL BE 1 1/4" LONG BY 1/2" WIDE WITH THE LONG SECTION AXIS ORIENTED PERPENDICULAR TO THE CURB. THE GROOVES SHALL BE 1/8" DEEP BY 1/4"

CURB RAMP - TYPE 2

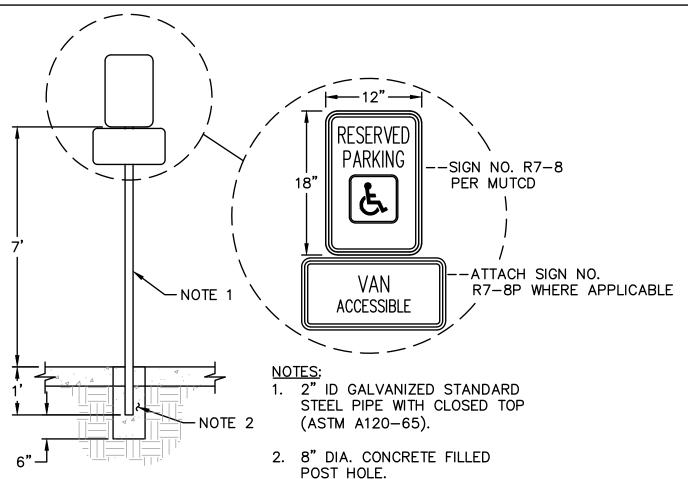


TYPICAL PARKING LAYOUT

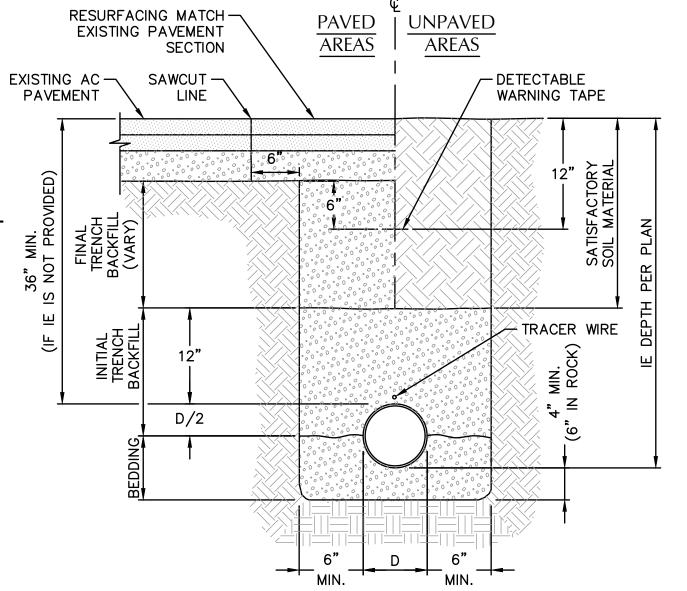


DIMENSIONS ARE NOMINAL AND MAY VARY TO CONFORM TO MANUFACTURER'S PRODUCTS APPROVED BY ENGINEER.

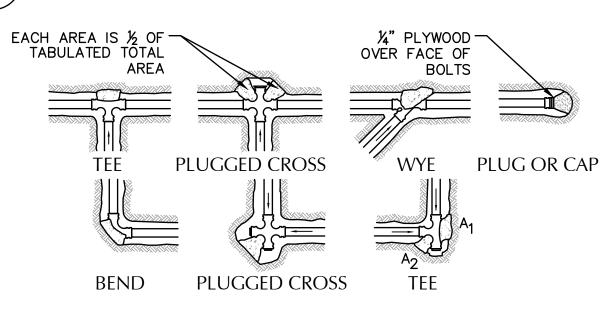
PRECAST CONCRETE WHEEL STOP



ADA PARKING SIGN - TYPE '



TYPICAL PIPE BEDDING AND BACKFILL SCALE: NTS



- 1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
- 2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
- 3. THE REQUIRED THRUST BEARING AREAS FOR SPECIAL CONNECTIONS ARE SHOWN ENCIRCLED ON THE PLAN; e.g. (5) INDICATES 15 SQUARE FEET BEARING AREA REQUIRED.
- 4. IF NOT SHOWN ON PLANS REQUIRED BEARING AREAS AT FITTING SHALL BE AS INDICATED BELOW, ADJUST IF NECESSARY, TO CONFORM TO THE TEST PRESSURE(S) AND ALLOWABLE SOIL BEARING STRESS (ES) STATED IN THE SPECIAL SPÉCIFICATIONS.
- 5. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

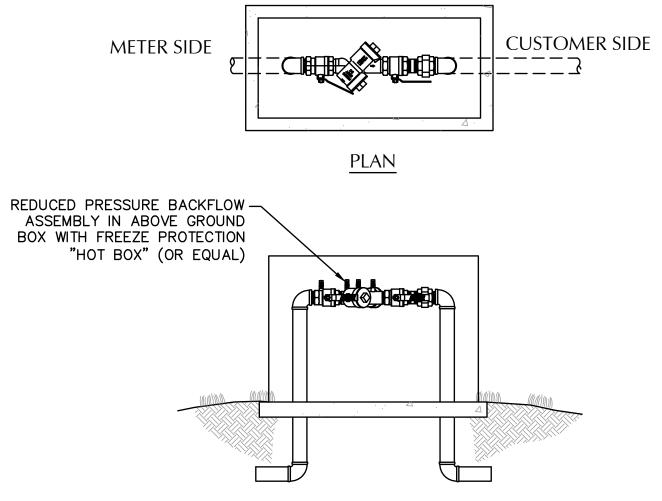
BEARING AREA OF THRUST BLOCK IN SQUARE FOOT

| | | | PLUC | E GGED RUN | | | |
|-----------------|---------------------------------|---------------------------------|------|------------------|-------------|--------------|--------------|
| FITTING SIZE | TEE, WYE, PLUG, OR CAP | 90° BEND PLUGGED CROSS | A1 | A2 | 45° BEND | 22½° BEND | 11¼° BEND |
| 4 | 1.0 | 1.4 | 1.9 | 1.4 | 1.0 | | |
| 6 | 2.1 | 3.0 | 4.3 | 3.0 | 1.6 | 1.0 | |
| 8 | 3.8 | 5.3 | 7.6 | 5.4 | 2.9 | 1.5 | 1.0 |
| 10 | 5.9 | 8.4 | 11.8 | 8.4 | 4.6 | 2.4 | 1.2 |

NOTE:
ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 p.s.i. AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 PSF. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURE AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE/150)X(2000/ SOIL BEARING STRESS)X(TABLE VALUE).

THRUST BLOCK

SCALE: NTS

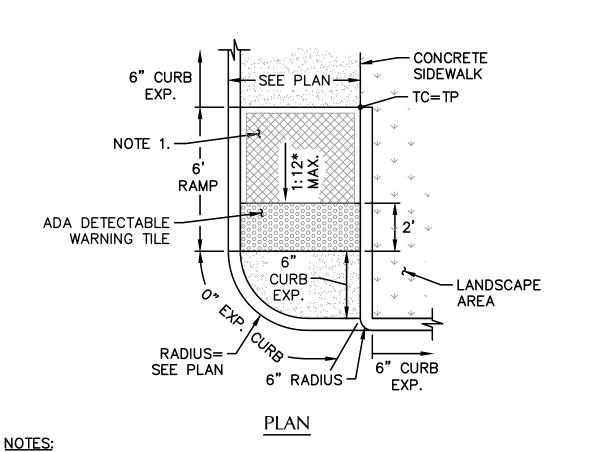


ELEVATION

1. REFER TO THE MANUFACTURES CUT SHEETS FOR MODEL BASED ON BACKFLOW ASSEMBLY SIZE AND REQUIRED CLEARANCES.

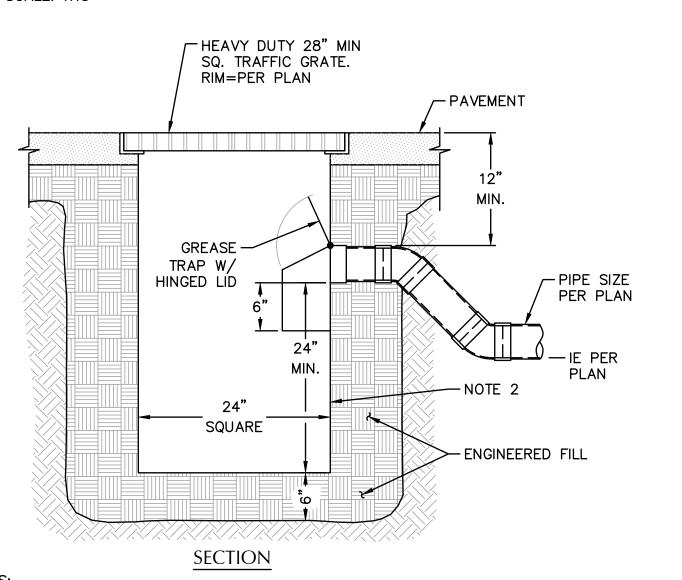
- 2. CONTRACTOR TO PROVIDE POWER TO ENCLOSURE FOR FREEZE PROTECTION.
- 3. PROVIDE POSITIVE DRAINAGE AWAY FROM BACKFLOW ENCLOSURE

REDUCED PRESSURE BACKFLOW ASSEMBLY



PROVIDE RAMP TEXTURING WITH AN EXPANDED METAL GRATE PLACED ON AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN. EACH DIAMOND SHALL BE 11/4" LONG BY 1/2" WIDE WITH THE LONG SECTION AXIS ORIENTED PERPENDICULAR TO THE CURB. THE GROOVES SHALL BE 1/8" DEEP BY 1/4" WIDE.

CURB RAMP - TYPE &



CONTRACTOR TO WIDEN EXCAVATION AS REQUIRED TO OBTAIN COMPACTION WITH CONTRACTORS COMPACTION EQUIPMENT.

2. 1/4" STEEL PLATE, BITUMINOUS COATED. AS MANUFACTURED BY GIBSON STEEL BASINS OR APPROVED EQUAL.

TRAPPED CATCH BASIN 13

EXPIRES: 6/30/2026

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SHEET TITLE

REVISIONS:

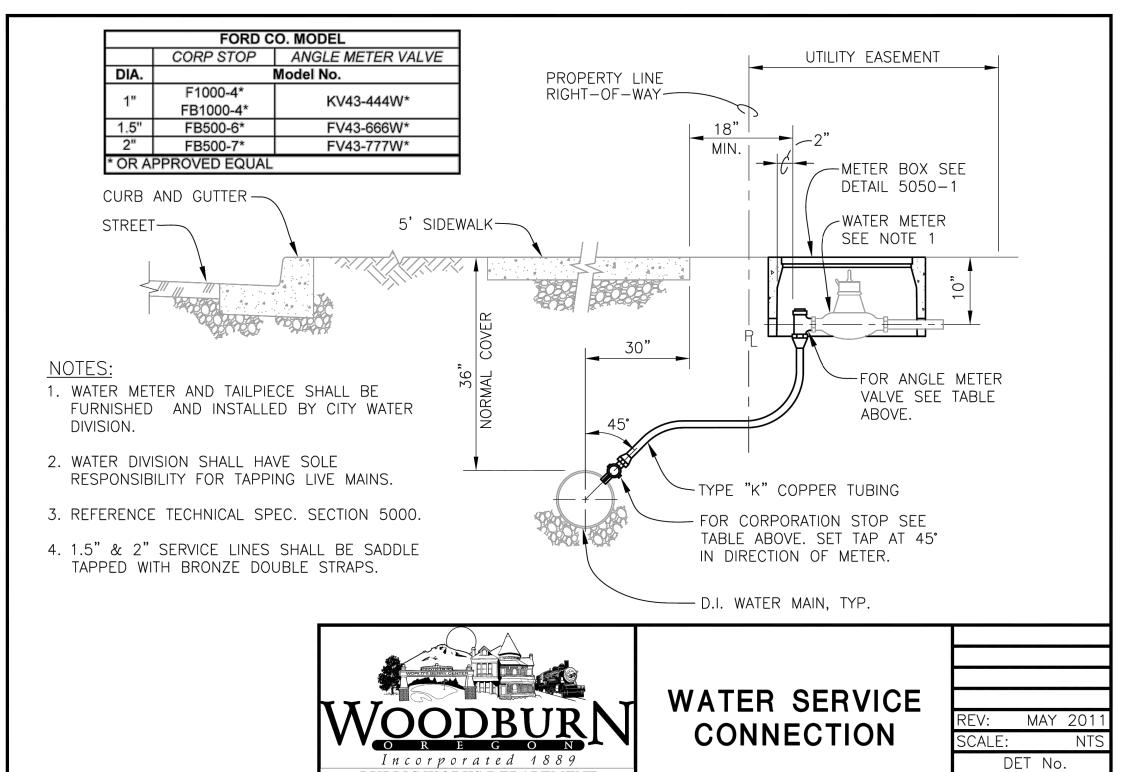
DETAILS

DATE: 09/27/24 DRAWN: CHECKED: JMS

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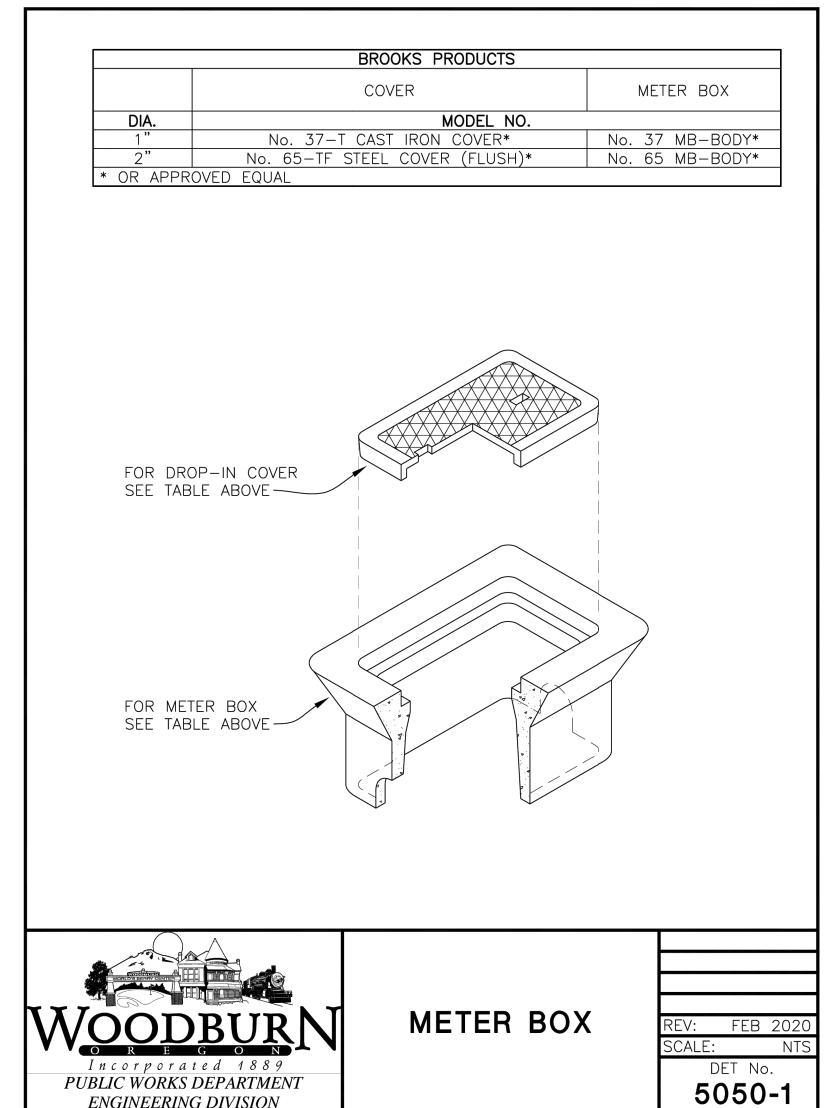
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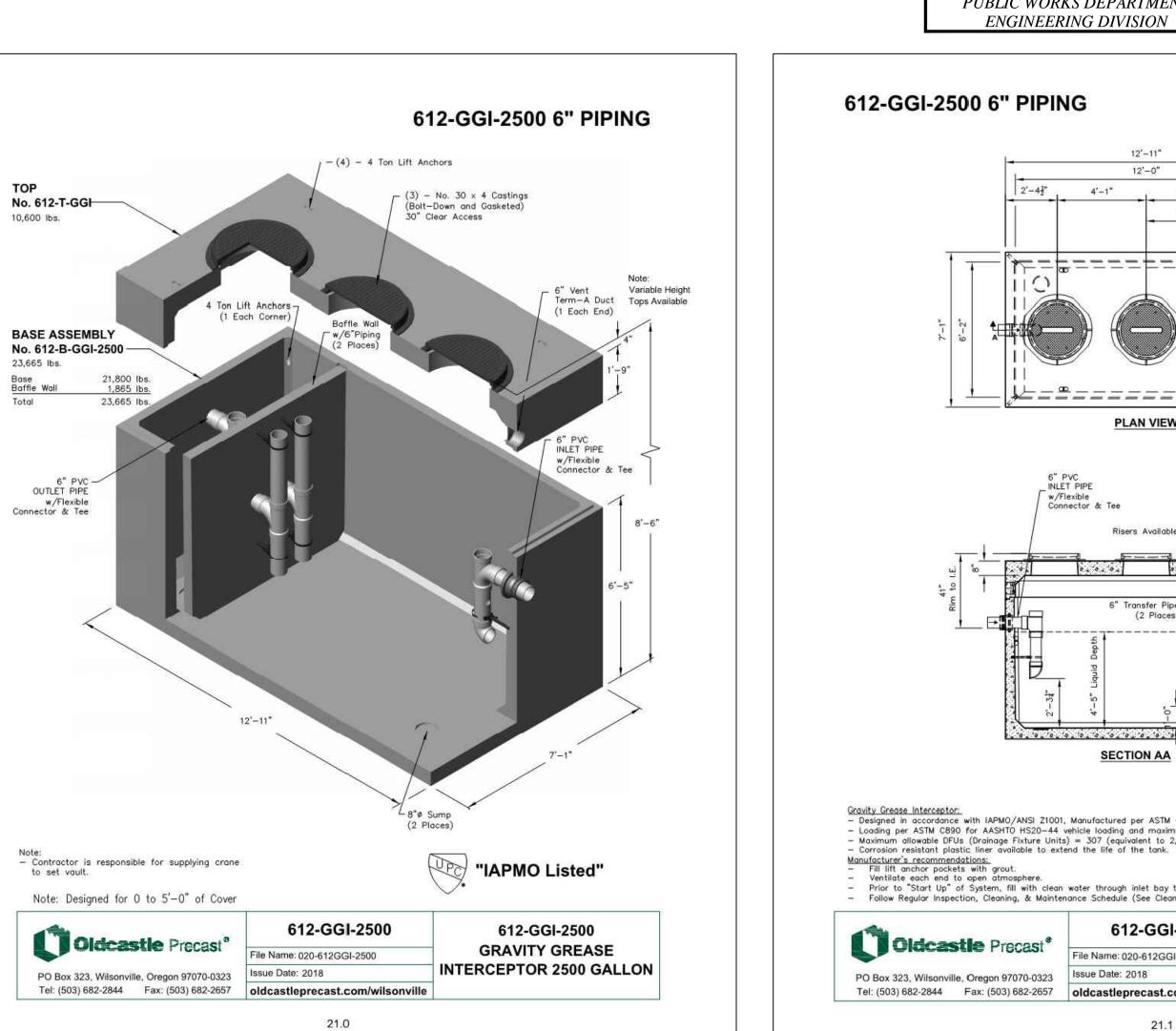
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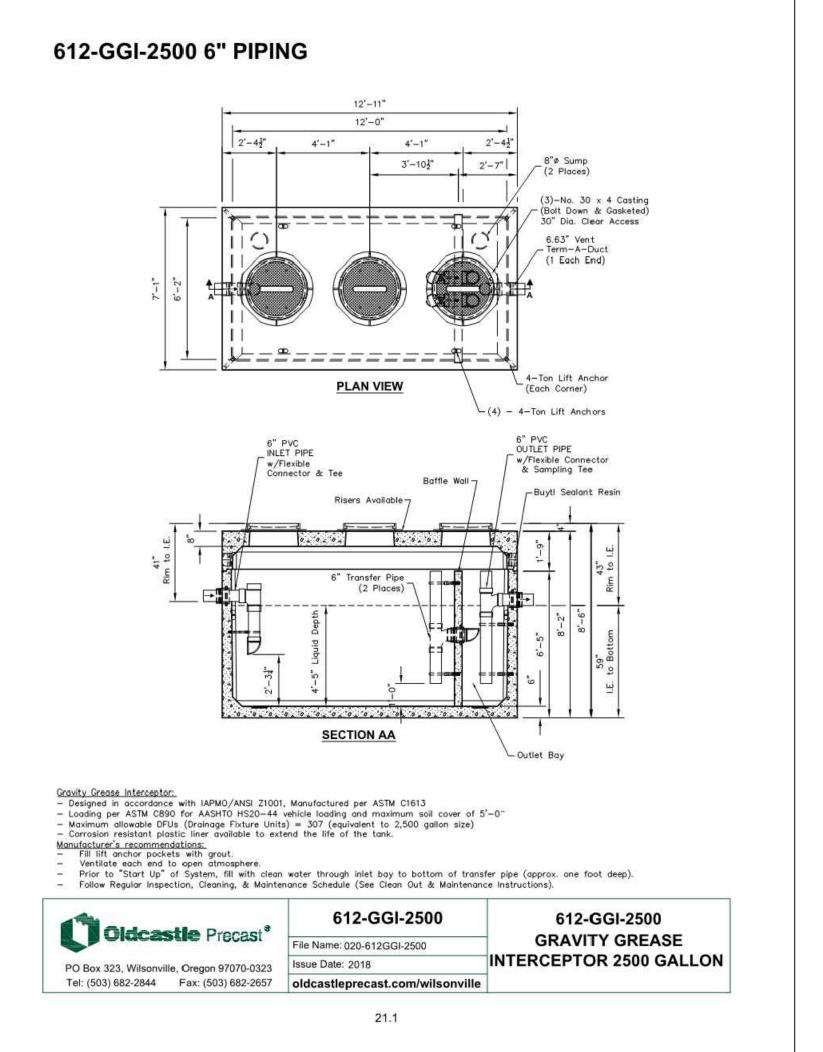
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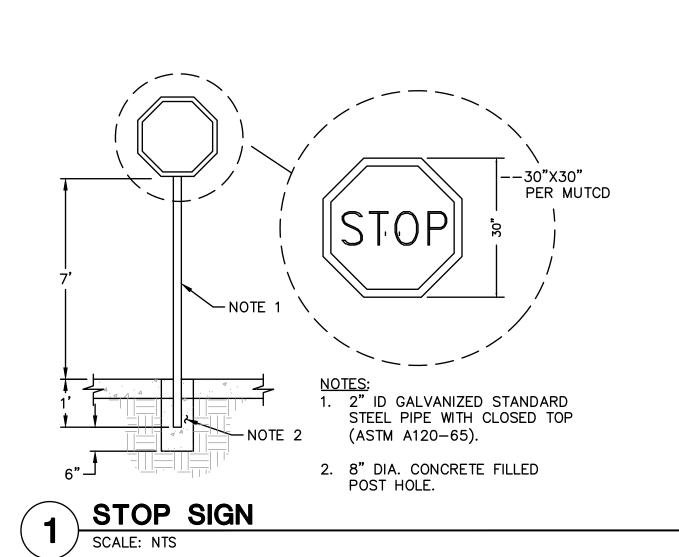
ENGINEERING DIVISION

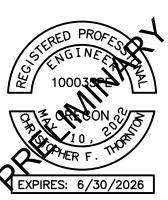




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A G I N E E R I N G

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DETAILS

DATE: 09/27/24

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