APPROVAL OF SUBMITTED PLANS IS NOT AN APPROVAL OF OMISSIONS OR OVERSIGHTS BY THIS OFFICE OR NON COMPLIANCE WITH ANY APPLICABLE REGULATIONS OF LOCAL GOVERNMENT. THE CONTRACTOR IS RESPONSIBLE FOR MAKING SURE THAT THE BUILDING COMPLIES WITH ALL APPLICABLE CODES AND REGULATIONS OF THE LOCAL GOVERNMENT.

THE APPROVED CONSTRUCTION PLANS, DOCUMENTS, AND ALL ENGINEERING MUST BE POSTED ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

FULL SIZED LEGIBLE COLOR PLANS ARE REQUIRED TO BE PROVIDED BY THE PERMITEE ON SITE FOR INSPECTION..

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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# PROJECT NUMBER: 094507884

# INSTALLATION OF ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

WALMART SUPERCENTER #2403.1006
310 31ST AVE SE -EV
PUYALLUP, WA 98374

OUT TO PERMIT

City of Puyallup Development & Permitting Services ISSUED PERMIT
Building | Planning | Engineering | Public Works | Fire | Traffic

City of Puyallup Planning Division APPROVED
See permit conditions.
JHuteLew
03/03/2026 3:29:20 PM

City of Puyallup Building REVIEWED FOR COMPLIANCE
BSnowden
01/07/2026 3:49:21 PM

City of Puyallup Development Engineering APPROVED
See permit conditions.
YCharitou
03/05/2026 8:34:18 AM

Prior to starting site work, request an erosion and sediment inspection through the CityView portal.

Any public facilities, i.e. utilities, curb, gutter, driveway approach, curb ramp, sidewalk, etc., broken now or during the course of construction shall be removed and replaced to current City Standard. Restoration limits and requirements shall be at the discretion of the City.

Refer to civil construction permit PRCCP20251408 for all utility, SWPPP, and site preparation work.

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: **PUYALLUP WA 98374** CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON **02/23/2026** AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

## SITE INFORMATION

**PROJECT LEAD:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: TALIA LEONARD, P.E.
PHONE: (615) 564-2861
EMAIL: TALIA.LEONARD@KIMLEY-HORN.COM

**POWER COMPANY:**
PUGET SOUND ENERGY
CONTACT: DANIELLE RICKETT
PHONE: (253)-290-2528
EMAIL: DANIELLE.RICKETT@PSE.COM

**SURVEYOR:**
PBLA
CONTACT: CARLOS UREÑA, L.S. 53443
PHONE: (888) 714-9642
EMAIL: C.UREÑA@PBLA.BIZ

**GENERAL CONTRACTOR:**
TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

**PROPERTY OWNER:**
WALMART
CONTACT: KATHRYN STURGILL
PHONE: (479) 883-4644
EMAIL: KATHRYN.STURGILL@WALMART.COM

**EV SITE ADDRESS:**
310 31ST AVE SE -EV
PUYALLUP, WA 98374

**ASSESSOR PARCEL NUMBER (APN):**
0419033050

**COUNTY:**
PIERCE COUNTY

**LATITUDE (NAD83):**
47.161090

**LONGITUDE (NAD83):**
-122.288830

## BENCHMARK & BASIS OF BEARING

**BENCHMARK:** WASHINGTON DEPARTMENT OF TRANSPORTATION STATION "GP27512-17"
MONUMENT ID: 244
ELEVATION: 409.950 US SURVEY FEET (DATUM NAVD 1988 - DATE: 12/29/2016)

**BASIS OF BEARING:**
THE VERTICAL DATUM FOR THIS PROJECT IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM NAD83 SOUTH ZONE, US SURVEY FOOT. NAD83/91

## ZONING INFORMATION

| | |
|---|---|
| PERMITTING JURISDICTION: | CITY OF PUYALLUP |
| ZONING CLASS: | URBAN CENTER MIXED USE |
| OVERLAY DISTRICT: | MX-DRO |
| CURRENT USE: | 5320 - DISCOUNT STORES |
| PROPOSED USE: | 5320 - DISCOUNT STORES |

## GEOTECHNICAL NOTE

THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT GEOTECHNICAL REPORT, CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS TO BE IN CONFORMANCE WITH THE CURRENT GEOTECHNICAL REPORT AND NOTIFY ENGINEER AND PROJECT TEAM OF ANY DISCREPANCIES PRIOR TO THE SCHEDULING OF ANY SITE DISTURBANCE ACTIVITIES.

## FLOOD HAZARD AREA NOTE

THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD AND 0.2% ANNUAL CHANCE FLOOD; ZONE A, & ZONE AE, AN AREA DETERMINED TO BE 1% ANNUAL CHANCE FLOOD, AS GRAPHICALLY SHOWN ON FIRM MAP COMMUNITY PANEL NUMBER 53053C0341E, EFFECTIVE DATE 03/07/2017.

## APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:
- 2021 INTERNATIONAL BUILDING CODE
- 2021 INTERNATIONAL FIRE CODE
- 2021 NATIONAL ELECTRIC CODE
- 2021 INTERNATIONAL ENERGY CONSERVATION CODE
- 2021 INTERNATIONAL MECHANICAL CODE
- 2021 INTERNATIONAL PLUMBING CODE
- 2021 WASHINGTON STATE ACCESSIBILITY CODE (2017 A117.1 STANDARD)

**NOTE:**
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

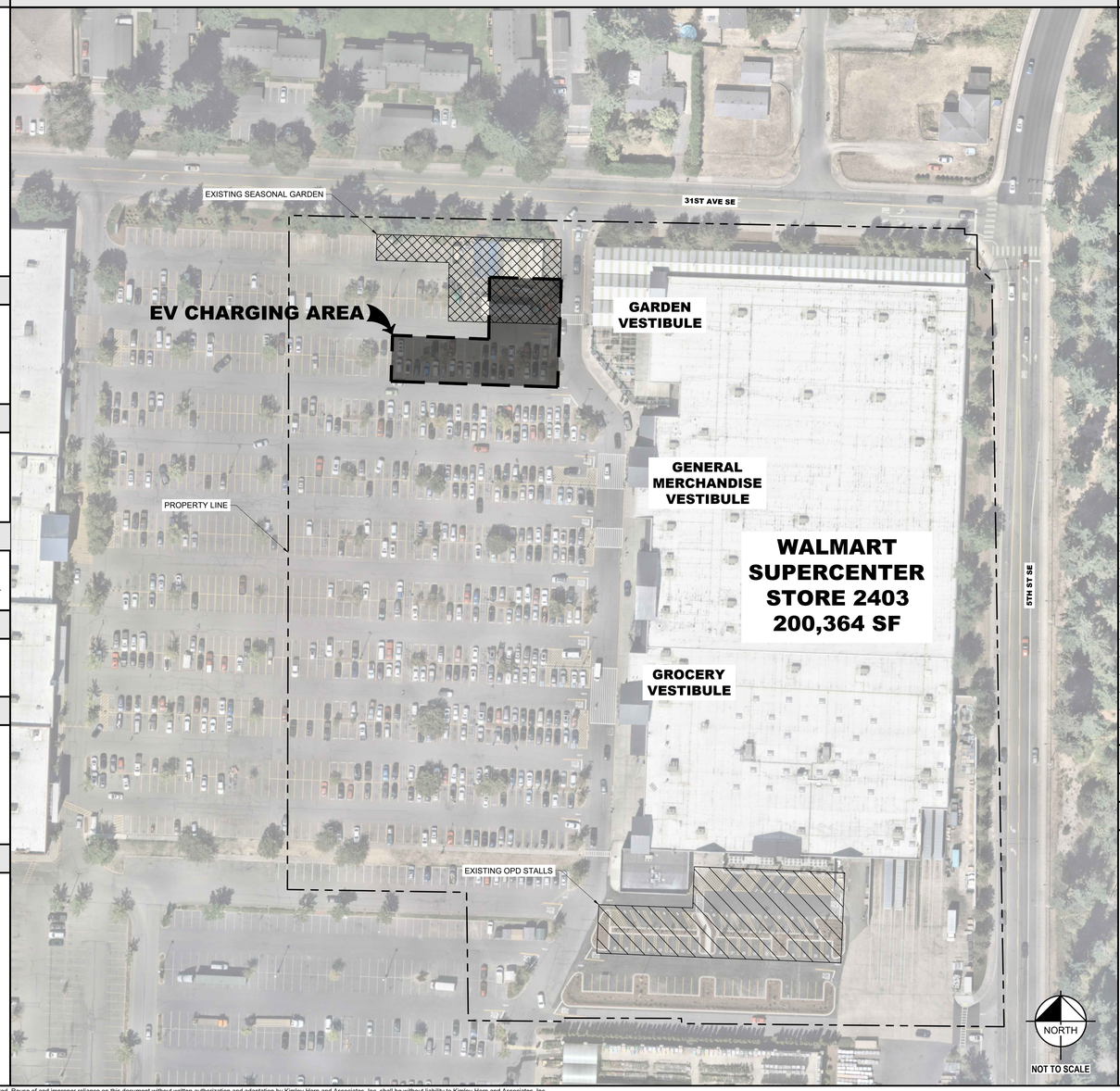
## CONTRACTOR NOTE

- CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE THEN IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

811 Know what's below. Call before you dig.

**CAUTION!!**
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

## AERIAL MAP




## PROJECT DESCRIPTION

THIS PLAN IS DEVELOPED WITH THE INTENT TO PROVIDE PUBLIC ELECTRIC VEHICLE (EV) CHARGING STATIONS FOR THE EXISTING WALMART SUPERCENTER/NEIGHBORHOOD MARKET AT THIS LOCATION. THE EXTENT OF DESIGN WITHIN THIS CONSTRUCTION DOCUMENT INCLUDES THE EV CHARGING STATIONS AND THEIR ACCOMPANYING CIVIL AND ELECTRICAL INFRASTRUCTURE. THE PROJECT IS PROPOSED TO BE INSTALLED IN PHASES AS SHOWN THROUGHOUT THE PLANS AND INDICATED IN THE EV PARKING DATA TABLE ON SHEET C2.0. THE FUTURE PHASE OF CONSTRUCTION WILL NOT BE INCLUDED IN THIS SCOPE OF WORK AND IS SHOWN FOR REFERENCE ONLY. ALL FUTURE CONSTRUCTION SHALL BE COMPLETED AT A LATER TIME AND UNDER A SEPARATE PERMIT SUBMITTAL AND REVIEW. ALL IMPROVEMENTS SHOWN HEREIN ARE A PART OF THIS EV INFRASTRUCTURE PLAN.

- DEMOLITION OF EXISTING SURFACES FOR THE INSTALLATION OF EV CHARGERS.
- GRADING OF SURFACES ASSOCIATED WITH EVSE TO COMPLY WITH ADA REQUIREMENTS.
- INSTALL (1) UTILITY TRANSFORMER TO BE COORDINATED WITH PUGET SOUND ENERGY.
- INSTALL (1) SWITCHBOARD ASSEMBLY.
- INSTALL (4) ALPITRONIC HYC400 EV CHARGERS.
- INSTALL EV SIGN POSTS W/ BOLLARD.
- INSTALL PIPE BOLLARDS.

## SHEET INDEX


| Sheet Number | Sheet Title |
|---|---|
| G0.0 | COVER SHEET |
| G1.0 | GENERAL NOTES |
| G1.1 | GENERAL NOTES |
| G2.0 | CHARGER SPEC SHEETS |
| C0.0 | EXISTING CONDITIONS |
| C0.1 | EXISTING CONDITIONS |
| C1.0 | DEMOLITION PLAN |
| C2.0 | SITE IMPROVEMENT MAP |
| C3.0 | SITE PLAN |
| C3.1 | EV CHARGER LOCATION PLAN |
| C4.0 | GRADING PLAN |
| C5.0 | EROSION & SEDIMENT CONTROL PLAN |
| C6.0 | E&S DETAILS |
| C7.0 | CIVIL DETAILS |
| C7.1 | CIVIL DETAILS |
| E1.0 | ELECTRICAL SITE PLAN |
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| L2.0 | SOIL PLAN |
| L3.0 | IRRIGATION NOTES AND SCHEDULES |
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| L4.0 | PLANTING NOTES AND SCHEDULE |
| L4.1 | PLANTING PLAN |
| L5.0 | IRRIGATION DETAILS |
| L5.1 | PLANTING DETAILS |


## FOR REFERENCE ONLY DRAWINGS

SHEET C0.0 - EXISTING CONDITIONS / PROPERTY SURVEY

## AERIAL MAP LEGEND

- PROPERTY LINE
- EXISTING SEASONAL GARDEN
- EXISTING OPD AREA

## AERIAL IMAGE REFERENCE

AERIAL IMAGERY PROVIDED BY:
NEARMAP US, INC. ©2025 NEARMAP, HERE.

Nearmap

## ENGINEER(S) OF RECORD

**CIVIL ENGINEER:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: TALIA LEONARD, P.E.
PHONE: (615) 564-2861
EMAIL: TALIA.LEONARD@KIMLEY-HORN.COM

**ELECTRICAL ENGINEER:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: SHAWN RAINEY, P.E.
PHONE: (510) 350-0232
EMAIL: SHAWN.RAINEY@KIMLEY-HORN.COM

Walmart

310 31ST AVE SE -EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006

EV STALLS: 8

KIMLEY-HORN PROJECT NO.: 094507884

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TALIA LEONARD — STATE OF WASHINGTON — 22010510 — REGISTERED PROFESSIONAL ENGINEER — 02/23/2026

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| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE
COVER SHEET

SHEET NUMBER
**G0.0**

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SHEET SIZE: 42"x30"

## GENERAL CONSTRUCTION NOTES

FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY:

1. GENERAL CONTRACTOR: TBD
2. ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. GENERAL CONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF WORK.
4. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
5. UNLESS OTHERWISE NOTED PLANS ARE NOT TO BE SCALED. THESE PLANS ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS OTHERWISE NOTED. SPACING BETWEEN EQUIPMENT IS THE MINIMUM REQUIRED CLEARANCE. THEREFORE, IT IS CRITICAL TO FIELD VERIFY DIMENSIONS, SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF WORK AND PREPARED BY THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
6. WORK PREVIOUSLY COMPLETED IS REPRESENTED BY LIGHT SHADED LINES AND NOTES. THE SCOPE OF WORK FOR THIS PROJECT IS REPRESENTED BY DARK SHADED LINES AND NOTES. CONTRACTOR SHALL NOTIFY THE GENERAL CONTRACTOR OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE DRAWINGS PRIOR TO BEGINNING CONSTRUCTION.
7. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS (CONTRACTOR SHALL CONFIRM TIMELINE WITH SHELL RECHARGE SOLUTIONS) PRIOR TO COMMENCEMENT OF WORK.
8. THE CONTRACTOR SHALL PROVIDE UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
9. THE GENERAL CONTRACTOR SHALL MAINTAIN IN GOOD CONDITION ONE COMPLETE SET OF PLANS WITH ALL REVISIONS, ADDENDA, AND CHANGE ORDERS ON THE PREMISES AT ALL TIMES.
10. THE CONTRACTOR SHALL PROVIDE PORTABLE FIRE EXTINGUISHERS WITH A RATING OF NOT LESS THAN 2-A:10-B:C AND SHALL BE WITHIN 25 FEET OF TRAVEL DISTANCE TO ALL PORTIONS OF WHERE THE WORK IS BEING COMPLETED DURING CONSTRUCTION.
11. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR DRILLING PIERS AROUND OR NEAR UTILITIES. THE CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS SHALL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION, B) CONFINED SPACE, C) ELECTRICAL SAFETY, AND D) TRENCHING & EXCAVATION.
12. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED, CAPPED, PLUGGED OR OTHERWISE DISCONNECTED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, AS DIRECTED BY THE ENGINEER, AND SUBJECT TO THE APPROVAL OF THE OWNER AND/OR LOCAL UTILITIES.
13. THE AREAS OF THE OWNER'S PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, AND STABILIZED TO PREVENT EROSION.
14. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH THE FEDERAL AND LOCAL JURISDICTION FOR EROSION AND SEDIMENT CONTROL.
15. NO FILL OR EMBANKMENT MATERIAL SHALL BE PLACED ON FROZEN GROUND. FROZEN MATERIALS, SNOW OR ICE SHALL NOT BE PLACED IN ANY FILL OR EMBANKMENT.
16. THE SUBGRADE SHALL BE BROUGHT TO A SMOOTH UNIFORM GRADE AND COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY UNDER PAVEMENT AND STRUCTURES AND 80 PERCENT STANDARD PROCTOR DENSITY IN OPEN SPACE. ALL TRENCHES IN PUBLIC RIGHT OF WAY SHALL BE BACKFILLED WITH FLOWABLE FILL OR OTHER MATERIAL PRE-APPROVED BY THE LOCAL JURISDICTION.
17. ALL BROCHURES, OPERATING AND MAINTENANCE MANUALS, CATALOGS, SHOP DRAWINGS, AND OTHER DOCUMENTS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR AT COMPLETION OF CONSTRUCTION AND PRIOR TO PAYMENT.
18. THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR AND OWNER (WALMART) UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
19. INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM SITE VISITS AND/OR DRAWINGS PROVIDED BY THE SITE OWNER. CONTRACTORS SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
20. THE TERM "DESIGN ENGINEER" USED HEREIN SHALL MEAN THE ENGINEER WHO HAS SIGNED AND SEALED HIS/HER RESPECTIVE PLAN SHEETS AND IS IN RESPONSIBLE CHARGE OF THE ENGINEERING DESIGN ON THOSE SHEETS. THE TERM "CONTRACTOR" USED HEREIN SHALL MEAN ANY GENERAL CONTRACTOR OR SUBCONTRACTOR USING THESE PLANS.
21. THE DESIGN ENGINEER SHALL NOT PROVIDE, OBSERVE, COMMENT ON NOR ENFORCE ANY SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, IMPLEMENT, AND MAINTAIN ALL SAFETY MEASURES AND SHALL BE SOLELY RESPONSIBLE FOR ALL REQUIRED SAFETY MEASURES, PROCEDURES AND PROGRAMS AND COMPLYING WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS. THE CONTRACTOR AGREES THAT SHE/HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS AND SAFETY OF ALL PERSONS AND PROPERTY DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
22. THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY FOR ANY OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES, EQUIPMENT CHOICE AND USAGE, SEQUENCE, SCHEDULE, SAFETY PROGRAMS, OR SAFETY PRACTICES, NOR SHALL THE DESIGN ENGINEER HAVE ANY AUTHORITY OR RESPONSIBILITY TO DIRECT OR STOP THE WORK OF ANY CONTRACTOR.
23. ANY CHANGES MADE BY THE CONTRACTOR TO THE CONTRACTUALLY AGREED UPON SCOPE, SCHEDULE AND/OR FEE, WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE OWNER, IS THE SOLE RESPONSIBILITY AND LIABILITY OF THE CONTRACTOR. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR DIRECTING, IMPLICITLY OR EXPLICITLY ANY SUCH CHANGES AND THE CONTRACTOR ASSUMES ALL RISK OF UNDERTAKING ANY SUCH CHANGES.
24. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE DESIGN ENGINEER AND OWNER, THEIR OFFICERS, AGENTS AND EMPLOYEES, HARMLESS FROM ANY AND ALL CLAIMS, DEMANDS, JUDGMENTS, LOSS, DAMAGES, COSTS, EXPENSES, FEES OR LIABILITY WHATSOEVER, REAL OR ALLEGED, IN CONNECTION WITH, IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE OR CONCURRENT NEGLIGENCE OF THE OWNER OR THE DESIGN ENGINEER.
25. IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS, THE CONTRACTOR SHALL ISSUE A RFI IN WRITING FROM THE DESIGN ENGINEER AND THE OWNER, REQUESTING A CLARIFICATION BEFORE PERFORMING ANY RELATED OR IMPACTED WORK. ANY ELECTRONIC FILES ARE PROVIDED ONLY FOR THE CONVENIENCE OF THE RECEIVING PARTY AND ARE INTENDED SOLELY FOR THE EXCLUSIVE USE BY THAT PARTY FOR THE PURPOSES EXPRESSLY AUTHORIZED. IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE, ONLY PRINTED COPIES OF DOCUMENTS DESIGNATED AS "ISSUED FOR CONSTRUCTION", OR EQUIVALENT DESIGNATION, MAY BE RELIED UPON.
26. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PREPARING ITS BID, IN WHOLE AND IN PART, BASED UPON THE DESIGN SHOWN ON THESE PLANS. THE CONTRACTOR IS NOT AUTHORIZED TO USE ANY QUANTITIES SHOWN ON THESE PLANS WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD. THE DESIGN ENGINEER MAKES NO WARRANTY OR REPRESENTATION AS TO THE SUITABILITY OF ANY INFORMATION SHOWN HEREON FOR DETERMINING A CONTRACTOR BID.
27. ANYTHING MENTIONED IN THE SPECIFICATIONS, IF ANY, AND NOT SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH.
28. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES AS NEEDED, SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO THE ACTUAL LOCATION, SIZE, TYPE, OR CONDITION OF EXISTING FACILITIES DIFFERING FROM WHAT IS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ALL SUCH FACILITIES WHETHER NOTED ON THESE PLANS OR NOT. THE DESIGN ENGINEER ASSUMES NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY DAMAGE TO THE EXISTING IMPROVEMENTS AND REPLACEMENT TO THE SATISFACTION OF THE OWNER AND/OR AUTHORITY HAVING JURISDICTION AS NEEDED.
29. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING WORK ADJACENT TO, ABOVE OR BELOW THEIR FACILITIES AND SHALL COORDINATE ALL WORK WITH UTILITY COMPANY REPRESENTATIVES.
30. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRADING ELEMENTS BEFORE THE START OF CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER OF ANY DISCREPANCIES.
31. UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISHED GRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS AND SPOT GRADES ON THE BASE SURVEY. PROPOSED FINISHED GRADE IS DEFINED AS THE FINAL GRADE AS INDICATED ON THE GRADING PLAN(S) AS FINISHED GROUND, FINISHED SURFACE, AND FINISHED FLOOR ELEVATIONS. NO REPRESENTATIONS OF SUCH QUANTITIES OR A BALANCED SITE CONDITION ARE MADE BY THE ENGINEER OF RECORD. THE EARTHWORK QUANTITIES SHOWN ON THESE PLANS ARE FOR PERMITTING PURPOSES ONLY. UNLESS EXPLICITLY STATED OTHERWISE HEREIN, THEY HAVE NOT BEEN FACTORED TO ACCOUNT FOR CHANGES IN VOLUME DUE TO BULKING, CLEARING AND GRUBBING, SHRINKAGE, SUBSIDENCE, OVER-EXCAVATION AND RE-COMPACTION, AND CONSTRUCTION METHODS. NOR DO THEY ACCOUNT FOR THE THICKNESS OF PAVEMENT SECTIONS, STORMWATER QUALITY MEDIA SECTIONS, UTILITY PIPES, TRENCHING AND BEDDING MATERIALS, BUILDING OR WALL FOOTINGS, BUILDING SLABS THICKNESSES AND UNDERLYING BASE OR SAND LAYERS, REUSE OF PULVERIZED MATERIALS THAT WILL UNDERLIE PAVEMENTS, ETC. THE CONTRACTOR IS NOT AUTHORIZED TO USE THE ESTIMATES HEREIN FOR BIDDING AND CONSTRUCTION PURPOSES WITHOUT THE EXPLICIT WRITTEN PERMISSION OF THE ENGINEER OF RECORD.
32. PROPOSED BUILDING PAD ELEVATIONS, IF SHOWN, ARE BASED ON INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS. CONTRACTOR SHALL CONFIRM SLAB STRUCTURAL SECTION THICKNESSES AND PAD PREPARATION REQUIREMENTS PRIOR TO GRADING FINISHED PADS.
33. THE CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, ELECTRICAL, AND ALL OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. SHOULD DISCREPANCIES OR CONFLICTING INFORMATION BE FOUND ON ANY PLANS, OR IN ANY SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND DESIGN ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK IN QUESTION.
34. THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROTECT THE PROJECT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM CONTRACTOR OPERATIONS, BY APPROPRIATE MEANS, OR BY SPECIFIC MEANS DESCRIBED IN THE PROJECT'S PLANS, SPECIFICATIONS OR STORM WATER POLLUTION PREVENTION REPORT, UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHOMEVER IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND THE AGENCY HAVING JURISDICTION. THE DESIGN ENGINEER SHALL HAVE NO RESPONSIBILITY TO DIRECT THE CONTRACTOR REGARDING THE MEANS AND METHODS OF STORMWATER POLLUTION PREVENTION, SEQUENCE, OR SCHEDULE.
35. ALL SHOP DRAWINGS, RFIS AND ANY OTHER DOCUMENTS THAT REQUIRE DESIGN ENGINEER REVIEW SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION OF THAT ITEM, TO ALLOW ADEQUATE REVIEW, COORDINATION AND RESPONSE. SAID DOCUMENTS ARE NOT A DIRECTION FROM THE DESIGN ENGINEER TO MODIFY THE CONTRACTORS SCOPE, SCHEDULE OR PRICE, AND THE CONTRACTOR WARRANTS NOT TO USE THEM AS SUCH.
36. THE CONTRACTOR SHALL ENSURE APPROPRIATE LICENSED PROFESSIONALS HAVE BEEN RETAINED BY THE CONTRACTOR TO PROVIDE ANYALL REQUIRED PROJECT CERTIFICATIONS AS MAY BE REQUIRED BY ANY AUTHORITY HAVING JURISDICTION. THE DESIGN ENGINEER WILL NOT PROVIDE ANY PROJECT CERTIFICATIONS UNLESS SPECIFICALLY RETAINED BY THE OWNER TO PROVIDE LIMITED SERVICES.
37. CONTRACTOR SHALL RETAIN A LICENSED SURVEYOR TO DOCUMENT ALL CHANGES TO THE APPROVED CONSTRUCTION DOCUMENTS DURING CONSTRUCTION. THE LICENSED SURVEYOR SHALL PREPARE A SIGNED AND SEALED "AS-BUILT" DRAWING UPON COMPLETION OF CONSTRUCTION. THE DESIGN ENGINEER IS NOT RESPONSIBLE FOR THE PREPARATION IN WHOLE OR IN PART OF THE "AS-BUILT" DRAWINGS.
38. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE MOST CURRENT VERSION OF THE LAND SURVEYORS ACT.

## SETBACK NOTE

CONTRACTOR SHALL VERIFY THAT LOCATIONS OF ALL PROPOSED ELECTRICAL EQUIPMENT AND INFRASTRUCTURE ARE IN COMPLIANCE WITH ALL LOCAL CODES, SETBACKS, AND BUFFERS.

## GEOTECHNICAL NOTE

THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT GEOTECHNICAL REPORT. CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS TO BE IN CONFORMANCE WITH THE CURRENT GEOTECHNICAL REPORT AND NOTIFY ENGINEER AND PROJECT TEAM OF ANY DISCREPANCIES PRIOR TO THE SCHEDULING OF ANY SITE DISTURBANCE ACTIVITIES. CONTRACTOR SHALL COORDINATE UPDATING THE CURRENT GEOTECHNICAL REPORT AS REQUIRED OR SHALL EMPLOY THE GEOTECHNICAL RECOMMENDATIONS OF THE PREVIOUSLY APPROVED PLAN.

## CITY OF PUYALLUP NOTES

1. PRIOR TO STARTING SITE WORK, REQUEST AN EROSION AND SEDIMENT INSPECTION THROUGH THE CITYVIEW PORTAL.
2. ANY PUBLIC FACILITIES, I.E. UTILITIES, CURB, GUTTER, DRIVEWAY APPROACH, CURB RAMP, SIDEWALK, ETC., BROKEN NOW OR DURING THE COURSE OF CONSTRUCTION SHALL BE REMOVED AND REPLACED TO CURRENT CITY STANDARD. RESTORATION LIMITS AND REQUIREMENTS SHALL BE AT THE DISCRETION OF THE CITY.
3. REFER TO CIVIL CONSTRUCTION PERMIT PRCCP20251408 FOR ALL UTILITY, SWPPP, AND SITE PREPARATION WORK.

## GENERAL SITE WORK NOTES

PART 1 - GENERAL

CLEARING, GRUBBING, STRIPPING, EROSION CONTROL, SURVEY, LAYOUT, SUBGRADE PREPARATION AND FINISH GRADING AS REQUIRED TO COMPLETE THE PROPOSED WORK SHOWN IN THESE PLANS.

1. REFERENCES:
   - A. WA DOT (STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION-CURRENT EDITION).
   - B. ASTM (AMERICAN SOCIETY FOR TESTING AND MATERIALS).
   - C. OSHA (OCCUPATION SAFETY AND HEALTH ADMINISTRATION).

2. INSPECTION AND TESTING:
   - A. GENERAL CONTRACTOR SHALL PERFORM ALL WORK IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS. PERFORM INSPECTIONS BEFORE CONCEALING WORK WITH FOLLOW-ON ACTIVITIES (BACKFILL, CONCRETE POUR, ETC).

3. SITE MAINTENANCE AND PROTECTION:
   - A. PROVIDE ALL NECESSARY JOB SITE MAINTENANCE FROM COMMENCEMENT OF WORK UNTIL COMPLETION OF THE CONTRACT.
   - B. AVOID DAMAGE TO THE SITE AND TO EXISTING FACILITIES, STRUCTURES, TREES, AND SHRUBS DESIGNATED TO REMAIN. TAKE PROTECTIVE MEASURES TO PREVENT EXISTING FACILITIES THAT ARE NOT DESIGNATED FOR REMOVAL FROM BEING DAMAGED BY THE WORK.
   - C. KEEP SITE FREE OF ALL PONDING WATER.
   - D. PROVIDE EROSION CONTROL MEASURES IN ACCORDANCE WITH STATE DOT, LOCAL PERMITTING AGENCY AND EPA REQUIREMENTS.
   - E. PROVIDE AND MAINTAIN ALL TEMPORARY FENCING, BARRICADES, WARNING SIGNALS AND SIMILAR DEVICES NECESSARY TO PROTECT AGAINST THEFT FROM PROPERTY DURING THE ENTIRE PERIOD OF CONSTRUCTION. REMOVE ALL SUCH DEVICES UPON COMPLETION OF THE WORK.
   - F. EXISTING UTILITIES: DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY THE OWNER OR OTHERS, EXCEPT WHEN PERMITTED IN WRITING BY THE CONSTRUCTION MANAGER AND THEN ONLY AFTER ACCEPTABLE TEMPORARY UTILITY SERVICES HAVE BEEN PROVIDED.
   - G. PROVIDE A MINIMUM 48-HOUR (CONTRACTOR SHALL CONFIRM TIMELINE WITH WALMART) NOTICE TO THE CONSTRUCTION MANAGER AND RECEIVE WRITTEN NOTICE TO PROCEED BEFORE INTERRUPTING ANY UTILITY SERVICE.
   - H. SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.

PART 2 - PRODUCTS

1. SUITABLE MATERIAL – SUITABLE MATERIAL ARE USED FOR GRADING AND BACKFILL. SUITABLE MATERIALS ARE ON SITE SOILS REMOVED FROM EXCAVATIONS THAT EXCLUDE FROZEN SOIL, ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZE GREATER THAN 3-INCH. SUITABLE SOILS HAVE MOISTURE CONTENTS THAT ALLOW THEM TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS.
2. UNSUITABLE MATERIAL – SOILS THAT ARE FROZEN, CONTAIN ROOTS OR ORGANIC MATERIAL, DEBRIS, TRASH, REFUSE, OR PARTICLES SIZES GREATER THAN 3-INCH. SOILS THAT ARE TOO WET OR TOO DRY TO BE COMPACTED TO THE SAME DENSITY AS THE NATIVE SOILS ARE UNSUITABLE.
3. GRANULAR BACKFILL – SHALL MEET THE FOLLOWING GRADATION:

| SIEVE SIZE | TOTAL PERCENT PASSING |
|---|---|
| 1 1/2 INCH (37.5 MM) | 100 |
| No. 4 (4.75 MM) | 30 TO 60 |
| NO 200 (0.075 MM) | 3 TO 15 |

4. GRANULAR BEDDING – WELL-GRADED SAND MEETING THE GRADATION REQUIREMENT OF ASTM C 33 FINE AGGREGATE.
5. CONTROLLED LOW STRENGTH MATERIAL (CLSM)– A SELF LEVELING AND SELF COMPACTING CEMENTITIOUS MATERIAL COMPOSED OF SAND, COARSE AGGREGATE, CEMENT, FLY ASH, WATER AND ADMIXTURES. CLSM SHALL BE EXCAVATABLE AND SHALL HAVE A DESIGNED UNCONFINED COMPRESSIVE STRENGTH OF BETWEEN 50 TO 100 PSI.
6. BACKFILL – PRODUCTS MEETING THE REQUIREMENTS OF SUITABLE MATERIAL, GRANULAR BEDDING, GRANULAR BACKFILL OR CLSM.
7. TOPSOIL – SOIL WITH AN ORGANIC CONTENT SUFFICIENT TO ALLOW VEGETATIVE GROWTH.

PART 3 - EXECUTION

1. GENERAL:
   - A. BEFORE STARTING GENERAL SITE PREPARATION ACTIVITIES, INSTALL EROSION AND SEDIMENT CONTROL MEASURES. THE WORK AREA SHALL BE CONSTRUCTED AND MAINTAINED IN SUCH CONDITION THAT IN THE EVENT OF RAIN THE SITE WILL BE DRAINED AT ALL TIMES.
   - B. BEFORE ALL SURVEY, LAYOUT, STAKING, AND MARKING, ESTABLISH AND MAINTAIN ALL LINES, GRADES, ELEVATIONS AND BENCHMARKS NEEDED FOR EXECUTION OF THE WORK. CONDUCT UTILITY LOCATE IN ACCORDANCE WITH THE ONE-CALL NOTIFICATION.
   - C. CLEAR AND GRUB THE AREA WITHIN THE LIMITS OF THE SITE. REMOVE TREES, BRUSH, STUMPS, RUBBISH AND OTHER DEBRIS AND VEGETATION RESTING ON OR PROTRUDING THROUGH THE SURFACE OF THE SITE AREA TO BE CLEARED.
   - D. REMOVE THE FOLLOWING MATERIALS TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE ORIGINAL GROUND SURFACE: ROOTS, STUMPS, AND OTHER DEBRIS, BRUSH, AND REFUSE EMBEDDED IN OR PROTRUDING THROUGH THE GROUND SURFACE. RAKE, DISK OR PLOW THE AREA TO A DEPTH OF NO LESS THAN 6 INCHES, AND REMOVE TO A DEPTH OF 12 INCHES ALL ROOTS AND OTHER DEBRIS THEREBY EXPOSED.
   - E. REMOVE TOPSOIL MATERIAL COMPLETELY FROM THE SURFACE UNTIL THE SOIL NO LONGER MEETS THE DEFINITION OF TOPSOIL. AVOID MIXING TOPSOIL WITH SUBSOIL OR OTHER UNDESIRABLE MATERIALS. SUFFICIENT TOPSOIL MAY BE STOCKPILED ON SITE FOR USE DURING FINAL SITE GRADING.
   - F. EXCEPT WHERE EXCAVATION TO GREATER DEPTH IS INDICATED, FILL DEPRESSIONS RESULTING FROM CLEARING, GRUBBING AND DEMOLITION WORK COMPLETELY WITH SUITABLE MATERIAL.
   - G. REMOVE FROM THE SITE AND DISPOSE IN AN AUTHORIZED LANDFILL ALL DEBRIS RESULTING FROM CLEARING AND GRUBBING OPERATIONS. BURNING WILL NOT BE PERMITTED.
   - H. PRIOR TO EXCAVATING, THOROUGHLY EXAMINE THE AREA TO BE EXCAVATED AND/OR TRENCHED TO VERIFY THE LOCATIONS OF FEATURES INDICATED ON THE DRAWINGS AND TO ASCERTAIN THE EXISTENCE AND LOCATION OF ANY STRUCTURE, UNDERGROUND STRUCTURE, OR OTHER ITEM NOT SHOWN THAT MIGHT INTERFERE WITH THE PROPOSED CONSTRUCTION. NOTIFY THE CONSTRUCTION MANAGER OF ANY OBSTRUCTIONS THAT WILL PREVENT ACCOMPLISHMENT OF THE WORK AS INDICATED ON THE DRAWINGS.
   - I. SEPARATE AND STOCK PILE ALL EXCAVATED MATERIALS SUITABLE FOR BACKFILL. ALL EXCESS EXCAVATED AND UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
   - J. DURING EXCAVATION, THE CONTRACTOR SHALL PROVIDE SHORING, SHEETING, AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF EXCAVATION.

2. BACKFILL:
   - A. AS SOON AS PRACTICAL, AFTER COMPLETING CONSTRUCTION OF THE RELATED STRUCTURE, INCLUDING EXPIRATION OF THE SPECIFIED MINIMUM CURING PERIOD FOR CAST-IN-PLACE CONCRETE, BACKFILL THE EXCAVATION WITH APPROVED MATERIAL TO RESTORE THE REQUIRED FINISHED GRADE.
   - B. PRIOR TO PLACING BACKFILL AROUND STRUCTURES, ALL FORMS SHALL BE REMOVED AND THE EXCAVATION CLEANED OF ALL TRASH, DEBRIS, AND UNSUITABLE MATERIALS.
   - C. DO NOT PLACE FROZEN MATERIAL IN AS BACKFILL.
   - D. PLACE BACKFILL MATERIAL OR SELECT GRANULAR BACKFILL MATERIAL WHEN REQUIRED IN UNIFORM HORIZONTAL LAYERS OF NO GREATER THAN 8-INCHES LOOSE THICKNESS AND COMPACT TO THE SAME DENSITY AS NATIVE SOIL. WHERE HAND OPERATED COMPACTORS ARE USED, THE FILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 4 INCHES IN LOOSE DEPTH AND COMPACTED.
   - E. WHENEVER TESTING INDICATES THAT THE CONTRACTOR HAS NOT OBTAINED THE SPECIFIED DENSITY, THE SUCCEEDING LAYER SHALL NOT BE PLACED UNTIL THE REQUIREMENTS ARE MET UNLESS OTHERWISE AUTHORIZED BY THE CONSTRUCTION MANAGER. THE CONTRACTOR SHALL TAKE WHATEVER APPROPRIATE ACTION IS NECESSARY, SUCH AS DRYING, ADDING WATER, OR INCREASING THE COMPACTIVE EFFORT TO MEET THE COMPACTION REQUIREMENTS.

3. TRENCH EXCAVATION:
   - A. UTILITY TRENCHES SHALL BE EXCAVATED TO THE LINES AND GRADES SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE GENERAL CONTRACTOR. PROVIDE SHORING, SHEETING AND BRACING AS REQUIRED TO PREVENT CAVING OR SLOUGHING OF THE TRENCH WALLS.
   - B. EXTEND THE TRENCH WIDTH A MINIMUM OF 6 INCHES BEYOND THE OUTSIDE EDGE OF THE OUTERMOST CONDUIT.
   - C. WHEN SOFT YIELDING, OR OTHERWISE UNSTABLE SOIL CONDITIONS ARE ENCOUNTERED, EXCAVATE THE REQUIRED TRENCH TO A DEPTH OF NO LESS THAN 12 INCHES BELOW THE REQUIRED ELEVATION, THEN BACKFILL WITH 12" OF GRANULAR BEDDING MATERIAL.

4. TRENCH BACKFILL:
   - A. PROVIDE GRANULAR BEDDING MATERIAL OR FLOWABLE FILL IN ACCORDANCE WITH THE DRAWINGS AND THE UTILITY REQUIREMENTS.
   - B. NOTIFY THE GENERAL CONTRACTOR 24 HOURS IN ADVANCE OF BACKFILLING.
   - C. CONDUCT UTILITY CHECK TESTS BEFORE BACKFILLING. BACKFILL AND COMPACT TRENCH BEFORE ACCEPTANCE TESTING.
   - D. PLACE GRANULAR TRENCH BACKFILL UNIFORMLY ON BOTH SIDES OF THE CONDUITS IN 6-INCH UNCOMPACTED LIFTS UNTIL 12 INCHES OVER THE CONDUITS. SOLIDLY RAM AND TAMP BACKFILL INTO SPACE AROUND CONDUITS.
   - E. PROTECT CONDUIT FROM LATERAL MOVEMENT, IMPACT DAMAGE, OR UNBALANCED LOADING.
   - F. ABOVE THE CONDUIT EMBEDMENT ZONE, PLACE AND COMPACT SATISFACTORY BACKFILL MATERIAL IN 8-INCH MAXIMUM LOOSE THICKNESS LIFTS TO RESTORE THE REQUIRED FINISHED SURFACE GRADE.
   - G. COMPACT FINAL TRENCH BACKFILL TO A DENSITY EQUAL TO OR GREATER THAN THAT OF THE EXISTING UNDISTURBED MATERIAL IMMEDIATELY ADJACENT TO THE TRENCH.

5. FINISH GRADING:
   - A. PERFORM ALL GRADING TO PROVIDE POSITIVE DRAINAGE AWAY FROM STRUCTURES AND SMOOTH, EVEN SURFACE DRAINAGE OF THE ENTIRE AREA WITHIN THE LIMITS OF CONSTRUCTION. GRADING SHALL BE COMPATIBLE WITH ALL SURROUNDING TOPOGRAPHY AND STRUCTURES.
   - B. UTILIZE SATISFACTORY FILL MATERIAL RESULTING FROM THE EXCAVATION WORK IN THE CONSTRUCTION OF FILLS, EMBANKMENTS AND FOR REPLACEMENT OF REMOVED UNSUITABLE MATERIALS.
   - C. REPAIR ALL ACCESS ROADS AND SURROUNDING AREAS USED DURING THE COURSE OF THIS WORK TO THEIR ORIGINAL CONDITION.

6. ASPHALT PAVING ROAD:
   - A. CONTRACTOR RESPONSIBLE FOR RE-STRIPING AND APPLYING SEALCOATING, UNLESS OTHERWISE NOTED.
   - B. WA DOT (STATE DEP

## WALMART SUPPLIED ITEMS RESPONSIBILITY MATRIX

| # | ITEM | FURNISHED BY | INSTALLED BY | NOTES |
|---|---|---|---|---|
| 1 | EQUIPMENT WIRING | GC | GC | |
| 2 | LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES | GC | GC | |
| 3 | GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS | GC | GC | |
| 4 | RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS | GC | GC | DEPENDENT ONE LINE DIAGRAM AND ELECTRICAL DRAWINGS |
| 5 | UNDERGROUND RACEWAYS AND VAULTS | GC | GC | |
| 6 | IDENTIFICATION FOR ELECTRICAL SYSTEMS | GC | GC | PANEL SCHEDULE AND BREAKER LABELING |
| 7 | POWER SYSTEM STUDY (FAULT CURRENT CALCS/COORDINATION STUDY/ ARCH FLASH ANALYSIS) | GC | GC | MORE UNDERSTANDING TO COME |
| 8 | COMMISSIONING OF ELECTRICAL SYSTEMS | 3RD PARTY / HP | 3RD PARTY / HP | MORE UNDERSTANDING TO COME |
| 9 | ELECTRICAL TESTING | GC | GC | |
| 10 | MEDIUM-VOLTAGE TRANSFORMER(S) | U | U | |
| 11 | 3000 AMP SWITCHBOARD | W | GC | |
| 12 | ELECTRIC VEHICLE CHARGING EQUIPMENT | W | GC | |
| 13 | WIRING DEVICES | GC | GC | |
| 14 | PROTECTION BARRIERS (BOLLARDS) | GC | GC | |
| 15 | EMERGENCY STOP PUSH BUTTON | GC | GC | SPECS TO BE PROVIDED BY WALMART |
| 16 | SHUNT TRIP RELAY FOR EPO | GC | GC | MODEL #: ABB 1SDA073672R1 (OR APPROVED EQUAL) |
| 17 | SIGNAGE | GC | GC | |
| 18 | CAMERAS | 3RD PARTY / GC | 3RD PARTY / GC | MORE INFORMATION TO COME |
| 19 | LIGHT POLE(S) | W | GC | |
| 20 | LIGHT FIXTURE(S) | W | GC | |
| 21 | FENCING | GC | GC | |

ABBREVIATIONS:
CM = CONSTRUCTION MANAGER
E = ENGINEER OF RECORD
GC = CONTRACTOR
HP = HARDWARE PROVIDER
U = UTILITY PROVIDER
W = WALMART (OWNER)

GENERAL NOTES:
1. FURNISH IS TO MEAN PROCURE AND DELIVER TO THE PROJECT SITE READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR ACTIVITIES.
2. INSTALL MEANS TO SET IN POSITION FOR SERVICE OR USE AND INCLUDES ACTIVITIES AT SITE, SUCH AS UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, PROTECTING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR ACTIVITIES.
3. THIS TABLE SHALL NOT BE CONSIDERED A COMPREHENSIVE LIST. ANY ITEM NOT LISTED IN THE TABLE ABOVE SHALL BE PROVIDED BY THE CONTRACTOR FOR A COMPLETE AND FUNCTIONAL SYSTEM FOR THE PURPOSE OF THE TABLE ABOVE. MATERIALS ARE TO BE FURNISHED BY THE INDICATED PARTY UNLESS OTHERWISE NOTED WITHIN THE CONTRACTOR DOCUMENTS.
4. ALL CIVIL WORK IS TO BE FURNISHED AND INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED IN THE CONSTRUCTION DRAWINGS.
5. THE INSTALLATION, HANDING, AND OPERATIONAL & MAINTENANCE INSTRUCTIONS FOR ALL OWNER-FURNISHED EQUIPMENT CAN BE FOUND IN THE LUCERNEX REPOSITORY. PLEASE REACH OUT TO THE WALMART CM FOR ACCESS.

## GC REQUIREMENTS AND PHASING PLAN NOTES (ALPITRONIC)

1. ONE (1) GENERAL CONTRACTOR (GC) CREW MEMBER WHO WILL BE ON-SITE DURING INSTALLATION MUST TAKE AND PASS THE ONLINE INSTALLATION & COMMISSIONING TRAINING PROVIDED BY ALPITRONIC PRIOR TO INSTALLATION. THE CLASS IS VIRTUAL, TAKES 3-5 HOURS AND IS $650. GC TO COORDINATE TRAINING WITH WALMART.
2. RECEIVE, STORE AND INSTALL OWNER-PROVIDED EQUIPMENT.
   - SWITCHGEAR:
     - SWITCHGEAR WILL BE DELIVERED TO PROJECT LOCATION (CEC SHALL COORDINATE STORAGE LOCATION AND TRANSPORT REQUIREMENTS WITH WM EV ENERGY TEAM DURING DESIGN). INSTALL SWITCHGEAR PER INSTALLATION MANUAL PROVIDED BY ALPITRONIC (CEC SHALL CONFIRM AND UPDATE SWITCHGEAR MANUFACTURER BASED ON SITE LOCATION AND WM EV TEAM DIRECTIONS).
   - ALPITRONIC HARDWARE:
     - COORDINATE DELIVERY OF ALPITRONIC HARDWARE WITH OWNER AND ALPITRONIC AFTER MOBILIZATION.
3. GC MUST BE ONSITE DURING ALPITRONIC HARDWARE DELIVERY.
4. GC RESPONSIBLE FOR VISUALLY INSPECTING WOODEN CRATES TO DETERMINE DAMAGE TO THE PACKAGING AND CHECKING THE SHOCK-WATCH INDICATOR OF EACH CRATE.
   - SHOCK-WATCH INDICATOR INSTRUCTIONS DETAILED IN PROVIDED INSTALLATION MANUAL.
     - IF DAMAGE IS IDENTIFIED (I.E. WOODEN CRATE IS PUNCTURED) OR SHOCK-WATCH INDICATOR IS ACTIVATED, GC MUST REJECT DELIVERY FROM SHIPPING COMPANY AND REPORT TO WALMART CONTACTS IMMEDIATELY.
   - AFTER INSPECTION, GC IS RESPONSIBLE FOR PROPERLY UNLOADING ALPITRONIC HARDWARE FROM TRUCK AND STORING AT THE SITE WHEN GC UNCRATES THE EQUIPMENT, GC TO TAKE PICTURES AND REPORT ANY COSMETIC OR FUNCTIONAL DAMAGE TO WALMART CONTACTS IMMEDIATELY.
5. GENERAL CONTRACTOR WILL FOCUS ON UTILITY PRIMARY SCOPE OF WORK FIRST TO ENSURE UTILITY CONSTRUCTION SCHEDULE IS STARTED AND COMPLETED AT THE EARLIEST POSSIBLE AVAILABILITY. THIS SCOPE OF WORK WILL INCLUDE, BUT IS NOT LIMITED TO, PRIMARY TRENCH/BORE, PRIMARY SERVICE CONDUIT, TRANSFORMER PAD FRAMING AND CONCRETE POUR, UTILITY REQUIRED INSPECTIONS, AND ANY OTHER ITEMS UTILITY PROVIDING PARTY SHALL NEED TO RELEASE THE PROJECT TO THEIR CONSTRUCTION SCHEDULE.
   - INSTALL SWITCHGEAR AND ALPITRONIC HARDWARE PER INSTRUCTIONS IN THE INSTALLATION MANUAL.
   - COORDINATE ALL ON-SITE UTILITY WORK AND COMPLETE ANY REQUIREMENTS IN OWNER'S SCOPE PER UTILITY STANDARDS TO ENERGIZE THE NEW SERVICE AND THE SITE.
6. COMMISSIONING:
   - COMPLETE ALPITRONIC COMMISSIONING CHECKLIST PRIOR TO ENERGIZATION AND SUBMIT TO WALMART.
   - AFTER UTILITY ENERGIZATION, TURN ON ALL BREAKERS TO ENSURE POWER IS RUNNING TO ALPITRONIC HARDWARE.
   - TAKE PICTURES OF POWERED UNITS TO WALMART TO COORDINATE COMMISSIONING.
   - SHUT OFF BREAKERS TO CHARGERS PRIOR TO LEAVING THE SITE.
   - RETURN TO SITE WHEN COMMISSIONING IS SCHEDULED WITH ALPITRONIC TO FLIP BREAKERS ON AND ASSIST WITH ANY INSTALLATION ISSUES THAT MIGHT ARISE DURING COMMISSIONING (1-DAY ACTIVITY).
7. WALMART CONTACTS:
   - WALMART REALTY EV PMD TEAM

## ACCEPTANCE TESTING

THE FOLLOWING TESTS SHALL BE PERFORMED PRIOR TO ENERGIZATION OF THE SYSTEM WHEN APPLICABLE. TEST RESULTS SHALL BE MADE AVAILABLE TO THE ENGINEER OF RECORD OR BUILDING OFFICIAL UPON REQUEST:

1. GROUND-FAULT PROTECTION EQUIPMENT:
   1.1. VERIFY PICKUP AND TIME DELAY SETTINGS ARE IN ACCORDANCE WITH SETTINGS PROVIDED BY THE ENGINEER OR EQUIPMENT MANUFACTURER.
2. ELECTRICAL TESTS SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS AND OTHER EQUIPMENT RATED 1000 AMPERES OR MORE, OR OVER 1000 VOLTS:
   2.1. RELAY PICKUP CURRENT BY CURRENT INJECTION AT THE SENSOR AND OPERATION OF THE CIRCUIT INTERRUPTING DEVICE.
   2.2. TEST RELAY TIMING.
   2.3. TEST PRIMARY CONTROL VOLTAGE AT NOT MORE THAN 57 PERCENT OF ITS RATED VOLTGROUNDED CONDUCTOR INSULATION RESISTANCE.
   2.4. VERIFICATION OF CONTINUITY OF EQUIPMENT GROUNDING SYSTEM.
   2.5. INSULATION RESISTANCE TEST ON EACH BUS AND PROTECTIVE DEVICE, PHASE-TO-PHASE AND PHASE-TO-GROUND.
   2.6. DIELECTRIC VOLTAGE-WITHSTAND TEST ON EACH BUS AND PROTECTIVE DEVICE, PHASE-TO-PHASE AND PHASE-TO-GROUND.
   2.7. CONTROL POWER TRANSFORMER, CONTROL POWER CIRCUITS AND POTENTIAL CIRCUITS.
   2.8. CONTROL AND PROTECTIVE DEVICES FOR PROPER OPERATION.
3. ELECTRICAL TESTS ON TRANSFORMERS RATED: 100 kVA OR MORE (SINGLE-PHASE) AND 300 kVA OR MORE (THREE-PHASE):
   3.1. INSULATION RESISTANCE TEST ON EACH WINDING. TEST WINDING-TO-WINDING AND WINDING-TO-GROUND.
   3.2. TURNS-RATIO TEST FOR EACH WINDING AT ALL TAP SETTINGS.
   3.3. CONTROL POWER TRANSFORMER, CONTROL POWER CIRCUITS AND POTENTIAL CIRCUITS.
   3.4. CONTROL AND PROTECTIVE DEVICES FOR PROPER OPERATION.
4. CONDUCTORS THAT SUPPLY EQUIPMENT RATED AT 1000 AMPERES OR MORE, OR OVER 1000 VOLTS:
   4.1. INSULATION RESISTANCE TEST ON EACH CONDUCTOR, PHASE-TO-PHASE AND PHASE-TO-GROUND.
   4.2. DC HIGH-POTENTIAL TEST ON EACH CONDUCTOR, PHASE-TO-PHASE AND PHASE-TO-GROUND.
   4.3. ELECTRICAL TESTS ON EMERGENCY AND STANDBY POWER SYSTEMS: SWITCHBOARDS, PANELBOARDS, DISTRIBUTION BOARDS, POWER SOURCE, CONDUCTORS, CONTROL AND PROTECTIVE DEVICES FOR PROPER OPERATION.
   4.4. PHASE ROTATION TEST.
   4.5. INSULATION RESISTANCE TEST ON FEEDER CONDUCTORS AND EQUIPMENT, PHASE-TO-PHASE AND PHASE-TO-GROUND.
   4.6. CONDUCT OPERATIONAL TEST ON SYSTEM UNDER LOAD CONDITIONS.

## QUALITY ASSURANCE NOTES

1. FOLLOW AND ADHERE TO ALL MANUFACTURERS INSTALLATION INSTRUCTIONS.
2. ALL BACKFILL AND COMPACTION SHALL COMPLY WITH GEOTECH REPORT.
3. ALL ELECTRICAL TERMINATIONS SHALL BE TORQUED TO MANUFACTURERS' SPECIFICATIONS. WHERE THEY ARE NOT SPECIFIED, REFER TO UL STANDARDS 486A AND 486B. FINAL TORQUE TEST DOCUMENTATION SHALL BE PROVIDED TO OWNER OR HIS REPRESENTATIVE, WITH ONE OR THE OTHER IN WITNESS AT RANDOM TIMES.
4. LINE AND LOAD CONDUCTORS SHALL BE BRACED AND SUPPORTED (LASHED, HELD FIRMLY IN PLACE) IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S SPECIFICATIONS AND NECA/IBEW APPROVED INSTALLATION PRACTICES.

## EQUIPMENT SPECIFICATIONS

THE FOLLOWING EQUIPMENT SPECIFICATION AND SUBMITTALS SHALL BE PROVIDED TO AND APPROVED BY THE ENGINEER OF RECORD PRIOR TO INSTALLATION:

- ELECTRICAL EQUIPMENT INCLUDING: SWITCHGEAR, PANELBOARDS, AND SAFETY SWITCHES.
- CONDUCTORS AND CABLES INCLUDING: LOW VOLTAGE CABLES, AND CONTROL CABLES
- PROTECTIVE DEVICES INCLUDING: CIRCUIT BREAKERS, FUSES, RELAYS, AND PROTECTION SETTINGS.
- ELECTRIC VEHICLE CHARGING STATIONS
- LIGHTING (IF APPLICABLE)

## ELECTRICAL SCOPE OF WORK RESPONSIBILITIES

| | SCOPE | BY UTILITY | BY CUSTOMER |
|---|---|---|---|
| PRIMARY | PRIMARY TRENCHING | | X |
| | INSTALL PRIMARY CONDUIT | | X |
| | INSTALL PULL ROPE | | X |
| | INSTALL PRIMARY FEEDERS | X | |
| | PROVIDE ROAD CUTS/ROAD BORES | | X |
| | PAVEMENT REPLACEMENT | | X |
| TRANSFORMER | INSTALL TRANSFORMER PAD | | X |
| | PROVIDE TRANSFORMER | X | |
| | INSTALL TRANSFORMER | X | |
| | INSTALL CONNECTIONS - PRIMARY | X | |
| | INSTALL CONNECTIONS - SECD | | X |
| SWITCHBOARD | PROVIDE METER | | X |
| | INSTALL METER | | X |
| | LAND SECONDARY FEEDERS | | X |
| SECONDARY | SECONDARY TRENCHING | | X |
| | INSTALL SECONDARY CONDUIT | | X |
| | INSTALL PULL ROPE | | X |
| | INSTALL SECONDARY FEEDERS | | X |
| | PROVIDE SECONDARY FEEDERS | | X |
| | PROVIDE ROAD CUTS/ROAD BORES | | X |
| | PAVEMENT REPLACEMENT | | X |

## ELECTRICAL NOTES

1. AT ALL TIMES THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITION OF JOB SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY AND FOR ALL NECESSARY INDEPENDENT ENGINEERING REVIEWS OF THESE CONDITIONS. THE ENGINEERS JOB SITE REVIEW IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES.
2. THE CONTRACTOR SHALL MAKE AN EXAMINATION OF THE SITE AND COMPARE THE SITE WITH THE DRAWINGS AND SPECIFICATIONS AND SATISFY HIMSELF AS TO CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. THE CONTRACTOR SHALL ASCERTAIN AND CHECK THE LOCATIONS OF ANY EXISTING STRUCTURES OR EQUIPMENT WHICH MAY AFFECT WORK THAT HAS TO BE PERFORMED, NO ALLOWANCE SHALL SUBSEQUENTLY BE MADE IN CONTRACTOR'S BEHALF FOR ANY EXPENSE TO WHICH THE CONTRACTOR MAY BE PUT DUE TO FAILURE OR NEGLECT BY CONTRACTOR TO MAKE SUCH EXAMINATION.
3. ALL WORK SHALL BE COORDINATED WITH THE OWNER TO MAINTAIN CONTINUITY OF SERVICE AND MAXIMUM UTILIZATION OF THE OWNERS FACILITY.
4. ELECTRICAL WORK SHALL CONFORM TO THE NEC AND CURRENT ISSUES OF ALL NFPA, IBC, IFC, ANSI, OSHA, ASTM, NEMA, AND OTHER NATIONALLY PUBLISHED CODES OR STANDARDS SHALL APPLY TO THIS WORK UNLESS LOCAL JURISDICTION SUPERSEDES. THE MOST STRINGENT CODES SHALL APPLY.
5. NOTHING IN THE DRAWINGS OR SPECIFICATIONS IS INTENDED TO ALLOW A VIOLATION OF ELECTRICAL WORKING SPACE AROUND ELECTRICAL EQUIPMENT REQUIREMENT. ANY DEVIATION FROM THIS REQUIREMENT SHALL BE APPROVED IN WRITING, BY THE ENGINEER. THE CONTRACTOR SHALL RELOCATE ANY EQUIPMENT IN VIOLATION OF THE ELECTRICAL CODE AT HIS OWN COST.
6. PROVIDE PHENOLIC NAMEPLATE WITH WHITE LETTERING ON BLACK BACKGROUND FOR EACH ELECTRICAL EQUIPMENT. PROVIDE PERMANENT MEANS OF ATTACHMENT THAT WILL NOT VIOLATE NEMA RATING OR EQUIPMENT WARRANTY.
7. REFER TO THE DRAWINGS FOR LOCATIONS AND SPACE REQUIREMENTS OF ELECTRICAL EQUIPMENT. COORDINATE THE INSTALLATION OF ELECTRICAL EQUIPMENT WITH OTHER TRADES.
8. CONTRACTOR SHALL SECURE AND PAY FOR ELECTRICAL TRADE SPECIFIC CONSTRUCTION PERMITS, LICENSES, GOVERNMENTAL AND INSPECTION FEES NECESSARY FOR THE EXECUTION OF THE WORK, UNLESS OTHERWISE DIRECTED.
9. ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ELECTRICAL INSTALLATION IN ACCORDANCE WITH ESTABLISHED TECHNIQUES AND ACCEPTED PRACTICES AND ALL LOCAL, STATE, AND NATIONAL CODES HAVING JURISDICTION.
10. ELECTRICAL REQUIREMENTS SUCH AS CONDUIT ROUTING AND LOCATIONS OF ELECTRICAL DEVICES (RECEPTACLES, SWITCHES, FLOOR OUTLETS, CONDUIT STUBS, ETC.) SHOWN ON THESE PLANS ARE DIAGRAMMATIC AND SUBJECT TO VERIFICATION BY ELECTRICAL CONTRACTOR FOR THE INTERFACING OF THE ELECTRICAL WORK WITH THE INSTALLATION. CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO CLEAR THE OTHER FACILITIES EXCEPT AS SHOWN DIMENSIONED ON THE ARCHITECTURAL DRAWINGS OR AS APPROVED BY THE ARCHITECT.
11. ELECTRICAL EQUIPMENT SHOWN OR SPECIFIED FOR THIS PROJECT HAS BEEN GENERALLY SELECTED BASED ON DIMENSIONS TO FIT THE SPACE. THE CONTRACTOR SHALL VERIFY EQUIPMENT DIMENSIONS AND/OR ANY INTERFERENCES PRIOR TO ORDERING THE EQUIPMENT.
12. MANUFACTURER'S RECOMMENDATIONS FOR CONDUCTOR SIZING, CIRCUIT BREAKER OR FUSE RATING OF ELECTRICALLY OPERATED EQUIPMENT MAY DIFFER FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR SHALL CONFIRM RATINGS PRIOR TO ORDERING EQUIPMENT.
13. ALL EMPTY OR SPARE CONDUIT NOTED SHALL HAVE PULL ROPES OR WIRES INSTALLED, TENSILE STRENGTH MINIMUM OF 200 FT/LBS.
14. CONTRACTOR SHALL PROVIDE PULL BOX(S) AS REQUIRED TO COMPLY WITH NEC 352.26 & NEC 356.26.
15. ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED NRTL, AND SHALL BEAR THEIR LABEL. ALL CONTROL PANELS SHALL BE SO LISTED AS AN ASSEMBLY.
16. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, FEES AND EQUIPMENT SPECIFIED. INDICATED OR IMPLIED IN THESE DOCUMENTS TO ACCOMPLISH THE CONSTRUCTION IN A PROFESSIONAL, WORKMANLIKE MANNER. ANY DISCREPANCIES BETWEEN THE CONSTRUCTION TASKS INDICATED AND LOCAL CODES AND/OR ORDINANCES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE GENERAL CONTRACTOR AND/OR OWNER FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK AT ISSUE.
17. ANY WORK INSTALLED INCORRECTLY, OR BEFORE APPROVAL HAS BEEN OFFICIALLY GRANTED FOR THOSE ITEMS AT ISSUE, SHALL BE CORRECTED BY THE ELECTRICAL CONTRACTOR AT NO CHARGE TO OWNER/ARCHITECT/CLIENT.
18. ALL MATERIALS AND EQUIPMENT FURNISHED BY THE CONTRACTOR SHALL BE NEW AND COMPLETELY SERVICEABLE UNLESS OTHERWISE SPECIFIED.
19. CONTRACTOR SHALL COORDINATE ROUGH-IN AND FINAL CONNECTION REQUIREMENTS WITH THE OWNER, EQUIPMENT SUPPLIERS, GENERAL CONTRACTOR AND OTHER BUILDING TRADES BEFORE PROCEEDING WITH ANY FURTHER RELATED WORK. INSTALLATIONS SHALL BE IN FULL ACCORDANCE WITH EQUIPMENT MANUFACTURER'S RECOMMENDATIONS AND REQUIRED CODES. CONFLICTS AND INTERFERENCES SHALL BE RESOLVED IMMEDIATELY, BEFORE ANY INSTALLATION BEGINS.
20. FINAL ACCEPTANCE OF WORK IN PLACE SHALL BE SUBJECT TO APPROVAL BY OWNER'S REPRESENTATIVE AND ARCHITECT/ENGINEER. INSTALLATION APPROVAL SHALL BE BASED ON APPROVED SUBMITTALS, SHOP DRAWINGS AND LOCAL INSPECTION.
21. CONTRACTOR SHALL SUBMIT "FOR RECORD" MARKUP DRAWINGS WITHIN TWO (2) WEEKS AFTER DATE OF NOTIFICATION OF FINAL APPROVAL OF WORK-IN-PLACE. CONTRACTOR'S FINAL INVOICE WILL NOT BE PAID WITHOUT COMPLETE DOCUMENTATION.
22. CONTRACTOR SHALL WARRANT ALL WORKS FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE OF WORK-IN-PLACE. CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECTIVE WORK INCLUDING MATERIALS AND EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER WITHIN WARRANTY PERIOD.
23. THE CONTRACTOR SHALL PROVIDE ALL FUSES AND OVERLOAD HEATER ELEMENTS REQUIRED FOR THIS CONTRACT INSTALLATION INCLUDING ANY FUSES BLOWN DURING INITIAL TESTING.
24. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO ALL PAVING. IF DAMAGE OCCURS DURING CONSTRUCTION, ELECTRICAL CONTRACTOR SHALL COORDINATE WITH OWNER TO PATCH, PAINT AND REPAIR TO MATCH EXISTING CONDITIONS.
25. CONDUIT AND WIRE SCHEDULE FOR NEW EQUIPMENT ARE GENERALLY INDICATIVE. CONTRACTOR SHALL REFER TO MANUFACTURER AND SUPPLIER OF EQUIPMENT FOR DETAILED WIRING DIAGRAM AND VERIFY THE EXACT ROUTING AND CONDUCTOR SIZE.
26. THE CONTRACTOR SHALL REFER TO MANUFACTURER AND SUPPLIER OF ELECTRICAL CONTROL EQUIPMENT FOR EXACT WIRING INTERCONNECTION.
27. ALL CONDUCTORS SHALL BE ALUMINUM OR COPPER STRANDED, AND HAVE INSULATION TEMPERATURE RATING 90°C, UNLESS OTHERWISE NOTED.
28. IDENTIFICATION OF GROUNDED CONDUCTORS SHALL BE IN ACCORDANCE WITH NEC 200.6. IDENTIFICATION OF EQUIPMENT GROUNDING CONDUCTORS SHALL BE IN ACCORDANCE WITH NEC 250.119. IDENTIFICATION OF UNGROUNDED CONDUCTORS IS REQUIRED FOR MULTIWIRE CIRCUITS AND SHALL BE AS FOLLOWS:

| SYSTEM | 480Y/277V | 208Y/120V | 120/240V 1-PHASE |
|---|---|---|---|
| PHASE A | BROWN | BLACK | BLACK (LINE 1) |
| PHASE B | ORANGE | RED | RED (LINE 2) |
| PHASE C | YELLOW | BLUE | |
| NEUTRAL | GRAY | WHITE | |

29. USE WIRE IDENTIFICATION COLOR CODE PER SPECIFICATIONS BELOW:

| COLOR | DESCRIPTION |
|---|---|
| LT. BLUE | INTRINSICALLY SAFE CIRCUITS |
| GREEN | EQUIPMENT GROUNDING CONDUCTOR |
| YELLOW | CONTROL CIRCUITS SUPPLIED FROM EXTERNAL POWER SOURCE, INTERLOCKS |

30. THE ELECTRICAL DESIGN AND EQUIPMENT RATINGS ARE BASED ON ELECTRICAL SYSTEM STUDIES WHICH MAY INCLUDE: LOAD FLOW, SHORT CIRCUIT, ARC FLASH, RELAY COORDINATION, GROUNDING, AND CABLE SIZING.

Separate Electrical Permit is required with the Washington State Department of Labor & Industries.
https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections
or call for Licensing Information: 1-800-647-0982

## TYPICAL ABBREVIATIONS LIST

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| A, AMP(S) | AMPERE | DC | DIRECT CURRENT | GFCI | GROUND FAULT CIRCUIT INTERRUPTER | MFR | MANUFACTURER | SJI | STEEL JOIST INSTITUTE |
| AB | ANCHOR BOLT | DEMO | DEMOLITION | HDG | HOT DIPPED GALVANIZED | MH | MANHOLE | SPA | SPACING |
| AC | ALTERNATING CURRENT / ACRE | Ø, DIA | DIAMETER | HOA | HAND-OFF-AUTO | MLO | MAIN LUGS ONLY | SPEC | SPECIFICATION |
| ADA | AMERICANS WITH DISABILITIES ACT | DIST | DISTANCE | HP | HORSEPOWER | MPZ | MINI POWER-ZONE | SQ | SQUARE |
| AFC | AUTOMATIC FREQUENCY CONTROL | DN | DOWN | HT | HEIGHT | MSB | MAIN SWITCHBOARD | SS | STAINLESS STEEL |
| AIC | AMPERE INTERRUPTING CURRENT | DP | DISTRIBUTION PANEL | HV | HIGH VOLTAGE | MSG | MAIN SWITCHGEAR | SSWR | SANITARY SEWER |
| AHJ | AUTHORITY HAVING JURISDICTION | (E), EX | EXISTING | HVAC | HEATING, VENTILATION, AIR CONDITIONING | MTG | MOUNTING | STD | STANDARD |
| AL | ALUMINUM | EA | EACH | HZ | HERTZ | MV | MEDIUM VOLTAGE | STE | SUITE |
| ART | ARTICLE | E&S | EROSION PREVENTION & SEDIMENT CONTROL | I | CURRENT | MVA | MEGA VOLT AMPERES | STP | SHIELDED TWISTED PAIR |
| ATS | AUTOMATIC TRANSFER SWITCH | EGC | EQUIPMENT GROUNDING CONDUCTOR | ID | INNER DIAMETER / IDENTIFICATION | N/LUT | NEUTRAL | SWBD | SWITCHBOARD |
| AUX | AUXILIARY | ESA | ENVIRONMENTAL SITE ASSESSMENT | IMC | INTERMEDIATE METAL CONDUIT | NEC | NATIONAL ELECTRIC CODE | SYM | SYMMETRICAL |
| AWG | AMERICAN WIRE GAUGE | ESMT | EASEMENT | IN | INCH | NO | NUMBER | TBD | TO BE DETERMINED |
| BAY | BAYONET FUSE | EMT | ELECTRIC METALLIC TUBING | ISC | INTERRUPTING SHORT CIRCUIT | NTS | NOT TO SCALE | TVSS | TRANSIENT VOLTAGE SURGE SUPPRESSION |
| BLDG | BUILDING | ENCL | ENCLOSURE | IG | ISOLATED GROUND | OC | ON CENTER | TYP | TYPICAL |
| BOL | BOLLARD | EPO | EMERGENCY POWER OFF | JB | JUNCTION BOX | OCPD | OVERCURRENT PROTECTION DEVICE | UG | UNDERGROUND |
| BOT | BOTTOM | EQ | EQUAL / EQUIDISTANT | KAIC | KILO AMPERES INTERRUPTION CAPACITY | OFCI | OWNER FURNISHED CONTRACTOR INSTALLED | UON | UNLESS OTHERWISE NOTED |
| C | CONDUIT | EQPT | EQUIPMENT | KCMIL | KILO CIRCULAR MILS | OH | OVERHEAD | UTL | UTILITY |
| CC | CENTER TO CENTER | ETC | ET CETERA | KV | KILOVOLTS | OP | OUTSIDE OF PIPE | UTP | UNSHIELDED TWISTED PAIR |
| CCS | COMBINED CHARGING SYSTEM | EV | ELECTRIC VEHICLE | KVA | KILOVOLT AMPERE | P, ϕ | PHASE | V | VOLT |
| CCS1/CCS2 | CCS TYPE 1 / CCS TYPE 2 | EVCS | ELECTRIC VEHICLE CHARGING STATION | KW | KILOWATT | PDU | POWER DISTRIBUTION UNIT | VA | VOLT-AMPERE |
| CEC | CALIFORNIA ELECTRICAL CODE | EVSE | ELECTRIC VEHICLE SUPPLY EQUIPMENT | KWH | KILO WATT-HOURS | PNL | PANEL | VAC | VOLTS ALTERNATING CURRENT |
| CHAdeMO | CHARGE DE MOVE (EV CHARGING STANDARD) | EVSG | ELECTRIC VEHICLE SWITCH GEAR | LCP | LIGHTING CONTROL PANEL | POCC | POINT OF COMMON CONNECTION | VFD | VARIABLE FREQUENCY DRIVE |
| CKT | CIRCUIT | FEMA | FEDERAL EMERGENCY MANAGEMENT AGENCY | LF | LINEAR FEET | POI | POINT OF INTERCONNECTION | VFI | VACUUM FUSED INTERRUPTER |
| ℄ | CENTER LINE | FFE | FINISHED FLOOR ELEVATION | LVE | LOW VOLTAGE ENCLOSURE | PPE | PERSONAL PROTECTION EQUIPMENT | VP | VAPOR PROOF |
| CLF | CURRENT LIMITING FUSE | FLA | FULL LOAD AMPERES | LVSB | LOW VOLTAGE SWITCHBOARD | PV | PHOTOVOLTAIC | W | WATT, WIRE |
| CLR | CLEARANCE | FSC | FUTURE SERVICE CENTER | M | METER | PVC | POLYVINYL CHLORIDE | W/ | WITH |
| COMM | COMMUNICATION | FT | FEET | MAX | MAXIMUM | QTY | QUANTITY | W/O | WITHOUT |
| CONC | CONCRETE | GA | GAUGE | MBSL | MINIMUM BUILDING SETBACK LINE | RMC | RIGID METALLIC CONDUIT | WP | WEATHERPROOF |
| CT | CURRENT TRANSFORMER | GALV | GALVANIZED | MCC | MOTOR CONTROL CENTER | SCA | SHORT CIRCUIT AVAILABLE | WT | WATERTIGHT |
| CU | COPPER | GEC | GROUNDING ELECTRODE CONDUCTOR | MCP | MOTOR CIRCUIT PROTECTOR | SCH | SCHEDULE | XFMR | TRANSFORMER |
| ', D | DEPTH | GND | GROUND | MIN | MINIMUM | SEC | SECONDARY | XLPE | CROSS-LINKED POLYETHYLENE |
| DB | DIRECT BURIAL | GRS | GALVANIZED RIGID STEEL | MCB | MAIN CIRCUIT BREAKER | SF | SQUARE FEET | XP | EXPLOSION PROOF |

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BUILDING PERMIT NO. PRCTI20251350
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SHEET TITLE
GENERAL NOTES

SHEET NUMBER
G1.1

SHEET SIZE: 42"x30"

**308.3.1 Unobstructed.** INSIGHTS

Where a clear floor space complying with Section 305 allows a parallel approach to an element and the edge of the clear floor space is 10 inches (255 mm) maximum from the element, the high side reach shall be 48 inches (1220 mm) maximum and the low side reach shall be 15 inches (380 mm) minimum above the floor.

**Exceptions:**

1. Existing elements that are not altered shall be permitted at 54 inches (1370 mm) maximum above the floor.
2. Operable parts on fuel dispensers installed on existing curbs shall be permitted at 54 inches (1370 mm) maximum above the floor.

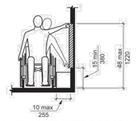


FIGURE 308.3.1 UNOBSTRUCTED SIDE REACH

**308.3.2 Obstructed high reach.**

Where a clear floor space complying with Section 305 allows a parallel approach to an element and the high side reach is over an obstruction, the height of the obstruction shall be 34 inches (865 mm) maximum above the floor and the depth of the obstruction shall be 24 inches (610 mm) maximum. The high side reach shall be 48 inches (1220 mm) maximum above the floor for a reach depth of 10 inches (255 mm) maximum. Where the reach depth exceeds 10 inches (255 mm), the high side reach shall be 46 inches (1170 mm) maximum above the floor for a reach depth of 24 inches (610 mm) maximum.

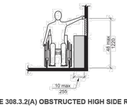


FIGURE 308.3.2(A) OBSTRUCTED HIGH SIDE REACH

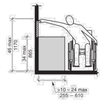


FIGURE 308.3.2(B) OBSTRUCTED HIGH SIDE REACH

**309.2 Clear floor space.**

A clear floor space complying with Section 305 shall be provided.

**309.3 Height.**

Operable parts shall be placed within one or more of the reach ranges specified in Section 308.

**309.4 Operation.**

Operable parts shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5.0 pounds (22.2 N) maximum.

**Exception:** Gas pump nozzles shall not be required to provide operable parts that have an activating force of 5.0 pounds (22.2 N) maximum.

**304.1 General.**

A turning space shall comply with Section 304.

**304.2 Floor surface.**

Floor surfaces of a turning space shall comply with Section 302. Changes in level shall not be permitted within the turning space.

**Exception:** Slopes not steeper than 1:48 shall be permitted.

**304.3 Size.**

Turning spaces shall comply with Section 304.3.1 or 304.3.2.

**304.3.1.2 Existing buildings and facilities.**

In existing buildings and facilities, the turning space shall be a circular space with a 60-inch (1525 mm) minimum diameter.

**304.3.2.2 Existing buildings and facilities.**

In existing buildings and facilities, the turning space shall be a T-shaped space within a 60-inch (1525 mm) minimum square, with arms and base 36 inches (915 mm) minimum in width. Each arm of the T shall be clear of obstructions 12 inches (305 mm) minimum in each direction, and the base shall be clear of obstructions 24 inches (610 mm) minimum.

**304.3.2.2.1 Overlap.**

Turning spaces shall be permitted to include knee and toe clearance complying with Section 306 only at the end of either the base or one arm.

**304.4 Door swing.**

Unless otherwise specified, doors shall be permitted to swing into turning spaces.

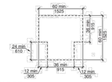


FIGURE 304.3.2.2
T-SHAPED TURNING SPACE EXISTING BUILDINGS - SIZE

**305.2 Floor surfaces.**

Floor surfaces of a clear floor space shall comply with Section 302. Changes in level shall not be permitted within the clear floor space.

**Exception:** Slopes not steeper than 1:48 shall be permitted.

**305.3.2 Existing buildings and facilities.**

In existing buildings and facilities, the clear floor space shall be 48 inches (1220 mm) minimum in length and 30 inches (760 mm) minimum in width.

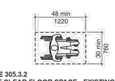


FIGURE 305.3.2
SIZE OF CLEAR FLOOR SPACE - EXISTING BUILDINGS

**305.4 Knee and toe clearance.**

Unless otherwise specified, clear floor space shall be permitted to include knee and toe clearance complying with Section 306.

**305.5 Position.**

Unless otherwise specified, clear floor spaces shall be positioned for either forward or parallel approach to an element.

FIGURE 305.5(A)
POSITION OF CLEAR FLOOR SPACE - FORWARD

FIGURE 305.5(B)
POSITION OF CLEAR FLOOR SPACE - PARALLEL

**305.6 Approach.**

One full, unobstructed side of a clear floor space shall adjoin or overlap an accessible route or adjoin another clear floor space.

**305.7 Alcoves.**

If a clear floor space is in an alcove or otherwise confined on all or part of three sides, additional maneuvering clearances complying with Sections 305.7.1 and 305.7.2 shall be provided, as applicable.

**305.7.1 Parallel approach.**

Where a clear floor space is positioned for a parallel approach, the alcove shall be 60 inches (1525 mm) minimum in width where the depth exceeds 15 inches (380 mm).

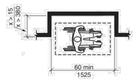


FIGURE 305.7.1
MANEUVERING CLEARANCE IN AN ALCOVE PARALLEL APPROACH

**305.7.2 Forward approach.**

Where a clear floor space is positioned for a forward approach, the alcove shall be 36 inches (915 mm) minimum in width where the depth exceeds 24 inches (610 mm).

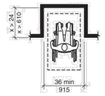


FIGURE 305.7.2
MANEUVERING CLEARANCE IN AN ALCOVE FORWARD APPROACH


Standard for Accessible and Usable Buildings and Facilities (ICC A117.1-2017)

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## AMERICANS WITH DISABILITIES ACT ACCESSIBILITY REQUIREMENTS



Depending on the cable length, the following action radii are available with cable management:

- 5.0 m charging cable = 4.0 m operating radius
- 7.5 m charging cable = 6.5 m operating radius

Figure 7 shows the operating radius of the 5 m charging cable as an example.

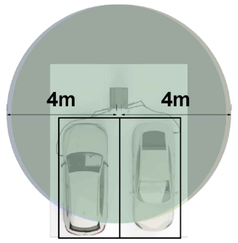


**Figure 7:** Operating radius for 5 m charging cable

All operating radii refer to a standard charging height of 0.8 m.

**Figure 8:** Standard charging height of 0.8 m


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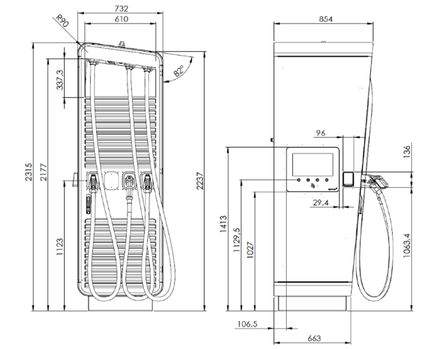


**Figure 10:** Outer dimensions of the HYC400 (in mm)

**NOTICE**

The height of the operable elements is compliant with the American disability act (ADA).

## CLEAR SPACE AND ACCESSIBLE ROUTE NOTES

1. IN EXISTING BUILDINGS AND FACILITIES, THE CLEAR FLOOR SPACE SHALL BE 48 INCHES (1220 MM) MINIMUM IN LENGTH AND 30 INCHES (760 MM) MINIMUM WIDTH PER 2021 WASHINGTON STATE ACCESSIBILITY CODE (2017 A117.1 STANDARD SECTION 305.3.2).
2. ACCESSIBLE ROUTES SHALL CONSIST OF ONE OR MORE OF THE FOLLOWING COMPONENTS: WALKING SURFACES WITH A RUNNING SLOPE NOT STEEPER THAN 1:20, DOORS AND DOORWAYS, GATES, RAMPS, CURB RAMPS EXCLUDING THE FLARED SIDES, BLENDED TRANSITIONS, ELEVATOR AND PLATFORM LIFTS. ALL COMPONENTS OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH THE APPLICABLE PORTIONS OF THIS STANDARD PER THE 2021 WASHINGTON STATE ACCESSIBILITY CODE (2017 A117.1 STANDARD SECTION 402).
3. REFER TO AMERICANS WITH DISABILITIES ACT ACCESSIBILITY REQUIREMENTS ON THIS SHEET.

## EV CHARGER OPERATIONAL REACH & ACCESSIBILITY SPECIFICATIONS

# hyc400

Product data sheet 1/3

100 kW to 400 kW
DC-charging system
for EVs

Up to **97.5 %**
efficiency under full load

Up to **2x 600 A**
simultaneous output

**50 kW**
dynamic load management granularity

**150 - 1000 V**
output range

**Bidirectional**
future capability

All-in-one design for an ultra-compact footprint

Up to **4** simultaneous charge outputs

Power-Stack scalable architecture


Product data sheet HYC400UL / V1-1
© Alpitronic Americas LLC
5815 Westpark Drive, Charlotte, NC 28217
info@alpitronic.us


www.hypercharger.us

alpitronic hypercharger

# hyc400

Product data sheet 2/3

## Charging Interfaces

| | |
|---|---|
| Connection options | CCS1, J3400 (NACS), CHAdeMO |
| Cable lengths | 11.5 ft (3.5 m), 16.4 ft (5 m), 25 ft (7.5 m) |
| RFID system | ISO/IEC 14443A/B, ISO/IEC 15693, NFC |
| Network connections | Dual SIM, 4G LTE Modems<br>10/100 Base-T Ethernet |
| Energy management | Configurable static power limit, Dynamic Power limit via OCPP/Modbus |
| Network communications protocol | Open Charge Point Protocol (OCPP) 1.6 and 2.0.1<br>Modbus, API |
| Vehicle communications protocol | DIN 70121, ISO 15118, Autocharge, Plug and Charge, CHAdeMO 1.2 |

## Electrical

| | |
|---|---|
| AC nominal voltage (RMS) | 480 V ±10% |
| AC nominal input current (RMS) | 480 A |
| Input connection | 3-Phase: L1, L2, L3, GND (no neutral) |
| Frequency | 60 Hz |
| Power factor | > 0.99 at full load |
| THDi (Total harmonic distortion) | < 5% at full load |
| Conversion efficiency | up to 97.5% at full load |
| SCCR | 65 kA |
| Surge protection | Type 1, In 20 kA, Imax 50 kA |
| Standby power consumption | 43 W |
| DC output | 100 kW (one Power-Stack), max. 300 A<br>200 kW (two Power-Stacks), max. 600 A<br>300 kW (three Power-Stacks), max. 900 A (600 A max. per cable)<br>400 kW (four Power-Stacks), max. 1200 A (600 A max. per cable) |
| Output voltage | 150 - 1000 VDC |

(1) Standard environmental conditions 60°F [20°C], 10 ft [3 m] distance
(2) See Manual for environmental derate
(3) Depending on the configuration

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# hyc400

Product data sheet 3/3

## General

| | |
|---|---|
| Operating temperature | -30°C up to +55°C (-22°F to 131°F)[2] |
| Storage/transport temperature | -40°C to 70°C (-40°F to 158°F) |
| Altitude | <4,000 m (< 13,000 ft)[2] |
| Humidity (in operation, storage) | Up to 95% non-condensing |
| Enclosure type | NEMA 3R (IP54) Indoor/Outdoor |
| Impact resistance (IEC 62262) | IK10 |
| Noise emission | < 52 dBA[1] |
| Dimensions (H x W x D) | 88 x 29 x 26 in (2185 x 732 x 663 mm) |
| Weight | 1235 lbs up to 1965 lbs (560 kg up to 890 kg)[3] |
| Accessibility | Meets ADA requirements for height and reach |
| User interface | 15.6" display, 4 buttons, RGB connector status |
| Multilingual system | GUI in 27 languages |
| Remote management | Access control, configuration, diagnostics, software updates |

## Configuration Options

| | |
|---|---|
| Branding | Options for custom colors (powder coating), custom vinyl |
| CMS (Cable Management System) | Metal swing arm keeps 16.4 ft (5 m) off the ground |
| Payment system | Credit card reader optional (Payter/Nayax), EMV Chip, Tap to Pay |

## Compliance and Safety

| | |
|---|---|
| NRTL | UL 2202, UL 2231-1, UL 2231-2<br>CSA C22.2 No. 346.22, No. 281.1-12, No. 281.2-12<br>File No. E515867 |
| Metering | CTEP No. 5966-24 |
| EMC | FCC 47CFR Part 15B (Class A) |
| Electrical safety | NEC (NFPA 70) Article 625 |
| NEVI | Buy America, 100% US Steel |

More Information:
www.hypercharger.us

alpitronic hypercharger

## EV CHARGER SPECIFICATIONS


This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.
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BUILDING PERMIT NO. PRCT20251350
CIVIL PERMIT NO. PRCCP20251408


Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com


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City of Puyallup
Fire & Life Safety
Building Approved
Fire Sprinkling Approved
Fire Alarm Approved
Date Code

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Walmart

310 31ST AVE SE- EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006

KIMLEY-HORN PROJECT NO.: 094507884

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

**DESIGNED AND PROVIDED BY OTHERS**

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EV STALLS: 8

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CHECKED BY: N/A
PROTO CYCLE: TBD
DOCUMENT DATE: 02/23/2026

SHEET TITLE
CHARGER SPEC SHEETS

SHEET NUMBER
**G2.0**

SHEET SIZE: 42"x30"

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

# MODIFIED A.L.T.A./N.S.P.S. LAND TITLE SURVEY

## CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON

## PROPERTY DESCRIPTION

*PARCEL A:*

*COMMENCING AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 3, TOWNSHIP 19 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON; THENCE SOUTH 00°47'29" EAST, ALONG THE EAST LINE OF SAID SUBDIVISION, 27.02 FEET TO A POINT 27.00 FEET SOUTH, AS MEASURED AT A RIGHT ANGLE, FROM THE NORTH LINE OF SAID SUBDIVISION; THENCE NORTH 88°34'04" WEST, PARALLEL WITH SAID NORTH LINE, 54.07 FEET TO THE TRUE POINT OF BEGINNING; THENCE SOUTHEASTERLY ALONG A CURVE CONCAVE SOUTHWESTERLY, WHOSE CENTER BEARS SOUTH 01°25'56" WEST, 25.00 FEET, THROUGH A CENTRAL ANGLE OF 87°46'35", FOR AN ARC DISTANCE OF 38.50 FEET TO A POINT 30.00 FEET DISTANT, MEASURED AT A RIGHT ANGLE FROM THE EAST LINE OF SAID SUBDIVISION; THENCE SOUTH 00°47'29" EAST, PARALLEL WITH AND 30.00 FEET DISTANT FROM THE EAST LINE OF SAID NORTHWEST QUARTER OF THE SOUTHWEST QUARTER, 477.26 FEET; THENCE NORTH 89°03'24" WEST 175.80 FEET TO A POINT OF TANGENCY; THENCE ALONG A 20.00 FOOT RADIUS CURVE, CONCAVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 15.71 FEET; THENCE SOUTH 45°56'36" WEST 3.23 FEET TO A POINT OF TANGENCY; THENCE ALONG A 20.00 FOOT RADIUS CURVE CONCAVE TO THE RIGHT, THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 15.71 FEET; THENCE NORTH 89°03'24" WEST 36.55 FEET TO A POINT OF TANGENCY; THENCE ALONG A 35.00 FOOT RADIUS CURVE, CONCAVE TO THE RIGHT THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 27.49 FEET; THENCE NORTH 44°03'24" WEST 6.63 FEET TO A POINT OF TANGENCY; THENCE ALONG A 60.00 FOOT RADIUS CURVE CONCAVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 47.12 FEET; THENCE NORTH 89°03'24" WEST 112.44 FEET TO A POINT OF TANGENCY; THENCE ALONG A 41.50 FOOT RADIUS CURVE CONCAVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 32.59 FEET; THENCE SOUTH 45°56'36" WEST 75.31 FEET TO A POINT OF TANGENCY; THENCE ALONG A 91.50 FOOT RADIUS CURVE CONCAVE TO THE LEFT THROUGH A CENTRAL ANGLE OF 45° FOR AN ARC DISTANCE OF 71.86 FEET; THENCE SOUTH 00°56'36" WEST 90.56 FEET; THENCE NORTH 89°03'24" WEST 22.30 FEET TO THE NORTHEAST CORNER OF PARCEL I AS DESCRIBED IN CITY OF PUYALLUP BOUNDARY LINE ADJUSTMENT FILED JUNE 20, 1994 UNDER PIERCE COUNTY RECORDING NO. 9406200689; THENCE SOUTH 00°56'36" WEST 140.19 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID SUBDIVISION, SOUTH 89°03'24" EAST, 104.00 FEET; THENCE NORTH 00°56'36" EAST, 3.00 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID SUBDIVISION, SOUTH 89°03'24" EAST, 124.00 FEET; THENCE SOUTH 00°56'36" WEST, 3.00 FEET; THENCE PARALLEL WITH THE SOUTH LINE OF SAID SUBDIVISION, SOUTH 89°03'24" EAST, 341.29 FEET TO A POINT 30.00 FEET DISTANT, MEASURED AT A RIGHT ANGLE FROM THE EAST LINE OF SAID SUBDIVISION; THENCE PARALLEL WITH AND 30.00 FEET DISTANT FROM SAID EAST LINE, NORTH 00°47'2229" WEST 342.51 FEET TO THE TRUE POINT OF BEGINNING;*

*SITUATE IN THE CITY OF PUYALLUP, STATE OF WASHINGTON.*

*(ALSO KNOW AS REVISED PARCEL II OF BOUNDARY LINE ADJUSTMENT RECORDED NOVEMBER 28, 1994 UNDER RECORDING NUMBER 9411280104 AND AMENDED BY AFFIDAVIT OF MINOR CORRECTION OF SURVEY RECORDED DECEMBER 7, 1994 UNDER RECORDING NUMBER 9412070050, AND FURTHER AMENDED BY AFFIDAVIT OF MINOR CORRECTION OF SURVEY RECORDED JANUARY 26, 1995 UNDER RECORDING NUMBER 9501200059, AND FURTHER AMENDED BY CORRECTION OF AFFIDAVIT OF MINOR CORRECTION OF SURVEY RECORDED FEBRUARY 27, 1995 UNDER RECORDING NUMBER 9502270107, IN THE OFFICIAL RECORDS OF PIERCE COUNTY, WASHINGTON.)*

## POLICY OF PREPARER

*AS A MATTER OF POLICY, ONLY OFFICIALLY RELEASED COPIES OF THIS SURVEY HAVE A "WET" SIGNATURE ALONG WITH THE RELEASE/REVISION DATE(S) SHOWN. ANY MODIFICATIONS, UPDATES, OR REVISIONS WITH THEIR EFFECTIVE RELEASE DATES WILL BE SHOWN THEREON. ANY PARTIES REQUIRING INFORMATION WHICH MAY BE DERIVED FROM THIS SURVEY AFTER THE INITIAL RELEASE DATE ARE ADVISED TO CONTACT THE OFFICE OF THE PREPARER TO INQUIRE ON THE PRESENT STATUS OF THE SURVEY AND IF LATER VERSIONS HAVE BEEN RELEASED. COPIES OF THIS SURVEY LACKING THE HEREIN ABOVE MENTIONED SIGNATURE ARE TO BE CONSIDERED NON NOR OFFICIALLY RELEASED VERSIONS OF THIS SURVEY.*

## SURVEYOR'S CERTIFICATE

*I HEREBY CERTIFY TO WAL-MART STORES, INC., A DELAWARE CORPORATION, AND FIRST AMERICAN TITLE INSURANCE COMPANY:*

*THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 6(a)(b), 7(a)(b)(1)(c), 8, 9, 11(a)(b), 14, 15, 16, 17, 18, 19 AND 20(a) OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON MARCH 7, 2025.*

Nov 04 2025
DATE:

CARLOS URBINA, LS 53443
EXPIRATION DATE: MARCH 31, 2027

## GENERAL NOTES

1. *AREA – BASED UPON MEASURED BEARINGS AND DISTANCES AS SHOWN ON HEREON, SAID LAND CONTAINS 609,023 SQ. FT., 13.981 ACRES (GROSS).*
2. *TITLE SEARCH – THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY PBLA SURVEYING, INC. OR THE SURVEYOR TO DETERMINE OWNERSHIP OF THIS PROPERTY OR TO VERIFY THE DESCRIPTIONS PROVIDED. THE COMPATIBILITY OF THESE DESCRIPTIONS WITH THAT OF ADJACENT PROPERTIES; NOR EASEMENTS, RIGHTS-OF-WAY OR TITLE OF RECORD. PBLA SURVEYING, INC. RELIED UPON A COMMITMENT FOR TITLE INSURANCE, WITH AN COMMITMENT NUMBER WAFA25-2259, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY, DATED APRIL 09, 2025.*
3. *OCCUPATION LINES, ENCROACHMENTS AND RECOVERED SURVEY MONUMENTS ARE SHOWN AS FOUND DURING A FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION DURING SEPTEMBER, 2025.*
4. *PARCEL AREA SHOWN IS DETERMINED BASED UPON FIELD MEASUREMENTS MADE DURING A FIELD SURVEY PERFORMED IN SEPTEMBER, 2025.*
5. *THE PROPERTY IS COINCIDENT WITH, AND HAS ACCESS TO 5TH STREET SOUTHEAST AND 31ST STREET SOUTHEAST, BOTH BEING A PUBLICLY DEDICATED ROADS.*
6. *THERE IS EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING DEMOLITION, OR BUILDING REMOVAL WITHIN RECENT MONTHS, OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.*
7. *THERE IS NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.*
8. *THE PROPERTY IS LOCATED AT 310 31ST AVENUE SOUTHEAST, PUYALLUP, WA 98374*
9. *THERE IS NO OBSERVABLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP, SANITARY LANDFILL OR CEMETERY.*
10. *NO EVIDENCE OF POTENTIAL WETLANDS WERE OBSERVED ON THE SUBJECT PROPERTY AT THE TIME THE SURVEY WAS CONDUCTED, NOR HAVE WE RECEIVED ANY DOCUMENTATION OF ANY WETLANDS BEING LOCATED ON THE SUBJECT PROPERTY.*
11. *THERE ARE NO DISCREPANCIES BETWEEN THE BOUNDARY LINES SHOWN ON THIS SURVEY AND THE LEGAL DESCRIPTION CONTAINED IN THE TITLE COMMITMENT.*
12. *THE BOUNDARY LINE DIMENSIONS AS SHOWN ON THE SURVEY MAP FORM A MATHEMATICALLY CLOSED FIGURE WITHIN +/- 0.1 FOOT.*
13. *THERE IS NO OBSERVABLE EVIDENCE OF EASEMENT OR RIGHTS-OF-WAY ON OR ACROSS THE SURVEYED PROPERTY, OR ON ANY ADJOINING PROPERTIES IF THEY APPEAR TO AFFECT THE SUBJECT PROPERTY, EXCEPT AS OTHERWISE SHOWN HEREON.*
14. *THE SUBJECT PROPERTY DOES NOT APPEAR TO SERVE ANY ADJOINING PROPERTY FOR DRAINAGE, UTILITIES, STRUCTURAL SUPPORT, INGRESS OR EGRESS.*
15. *ALL LOTS ARE CONTIGUOUS AND THERE ARE NO GAPS AND GORES BETWEEN THE PARCELS.*
16. *THE PROPERTY SHOWN HEREON IS IDENTICAL TO THE TITLE REPORT.*
17. *BUILDING SQUARE FOOTAGE WAS PROVIDED BY ARCHITECT AND WAS NOT FIELD VERIFIED AS PART OF THIS SURVEY.*
18. *THE SURVEY AREA OBSERVED 113 REGULAR PARKING SPACES AND 6 HANDICAP PARKING SPACES.*

## ZONING

*THE PROPERTY IS ZONED "UCX", FOR URBAN CENTER MIXED USE, WITH A MIXED USE DESIGN REVIEW OVERLAY [MX-DRO] ZONE, PER THE CITY OF PUYALLUP.*

*DEVELOPMENT STANDARDS*

| | |
|---|---|
| *SETBACKS AND YARDS* | |
| *FRONT* | *– 12 FEET TO 20 FEET* |
| *STREET SIDE* | *– 12 FEET TO 20 FEET* |
| *INTERIOR* | *– 6 FEET* |
| *REAR* | *– 10 FEET* |
| *PARCEL DIMENSIONS* | |
| *LOT COVERAGE* | *– 65% MAX* |
| *BUILDINGS* | |
| *HEIGHT* | *– 68 FT. MAX* |

## FLOOD ZONE

*THE PROPERTY DESCRIBED ON THIS SURVEY LIES WITHIN ZONE "X" (UNSHADED) AND ZONE "X" (SHADED) OF THE FLOOD INSURANCE RATE MAP IDENTIFIED AS MAP NO. 53053C0341E, BEARING AN EFFECTIVE DATE OF 03/07/2017.*

*ZONE "X" (UNSHADED): AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN.*

*ZONE "X" (SHADED): AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THEN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.*

## SURVEYOR'S NOTES

1. *THE PURPOSE OF THIS SURVEY IS TO LOCATE AND PREPARE A TOPOGRAPHIC SURVEY OF THE AREA SHOWN AS SPECIFIED BY THE CLIENT.*
2. *THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY PBLA SURVEYING, INC. OR THE SURVEYOR TO DETERMINE OWNERSHIP OF THIS PARCEL OR TO VERIFY THE DESCRIPTIONS PROVIDED. PARCEL LINES ARE SHOWN AS REFERENCE PER RECORD INFORMATION AND DOES NOT CONSTITUTE OR PURPORT TO BE A BOUNDARY SURVEY.*
3. *LOCATION OF UTILITIES EXISTING ON OR SERVING THE SURVEYED PROPERTY AS DETERMINED BY OBSERVED EVIDENCE ONLY AND DOES NOT REPRESENT A COMPLETE REPRESENTATION OF UTILITIES.*

## BASIS OF BEARINGS

*THE BASIS OF BEARING FOR THIS SURVEY IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM NAD83 SOUTH ZONE, US SURVEY FOOT. NAD83/91*

## BENCHMARK

*WASHINGTON DEPARTMENT OF TRANSPORTATION STATION "GP27512-17"*

*MONUMENT ID: 244*
*ELEVATION: 409.950 US SURVEY FEET (DATUM NAVD 1988 – DATE: 12/29/2016)*

*LOCATION: THE STATION IS LOCATED AT THE JUNCTION OF SR 512 AND SR 161 (SR 161 MP 25.76) NEAR THE NORTHEAST CORNER OF THE SR 512 UNDERCROSSING STRUCTURE, 6.4 METERS @ 260 DEGREES FROM THE NORTH END OF A GUARDRAIL, 90 CM @ 340 DEGREES FROM A WITNESS POST, 6.3 METERS @ ZERO DEGREES FROM THE APPROXIMATE CENTERLINE OF SR 161 AND 10.8 METERS @ 80 DEGREES FROM THE NORTHEAST CORNER OF A BRIDGE. THE MARK IS A WSDOT BRASS DISK SET INTO A ROUND CONCRETE MONUMENT, WHICH IS SET LEVEL WITH THE GROUND SURFACE.*

## RECORD REFERENCES

*R1 A RECORD OF SUVEY TITLED "WAL-MART STORE # 2403-03, FILED 12/19/2003 AS AUDITOR'S FILE NO. 200312950002*

## MONUMENT AND BOUNDARY ESTABLISHMENT NOTES

- *INDICATES FOUND MONUMENT AS NOTED.*

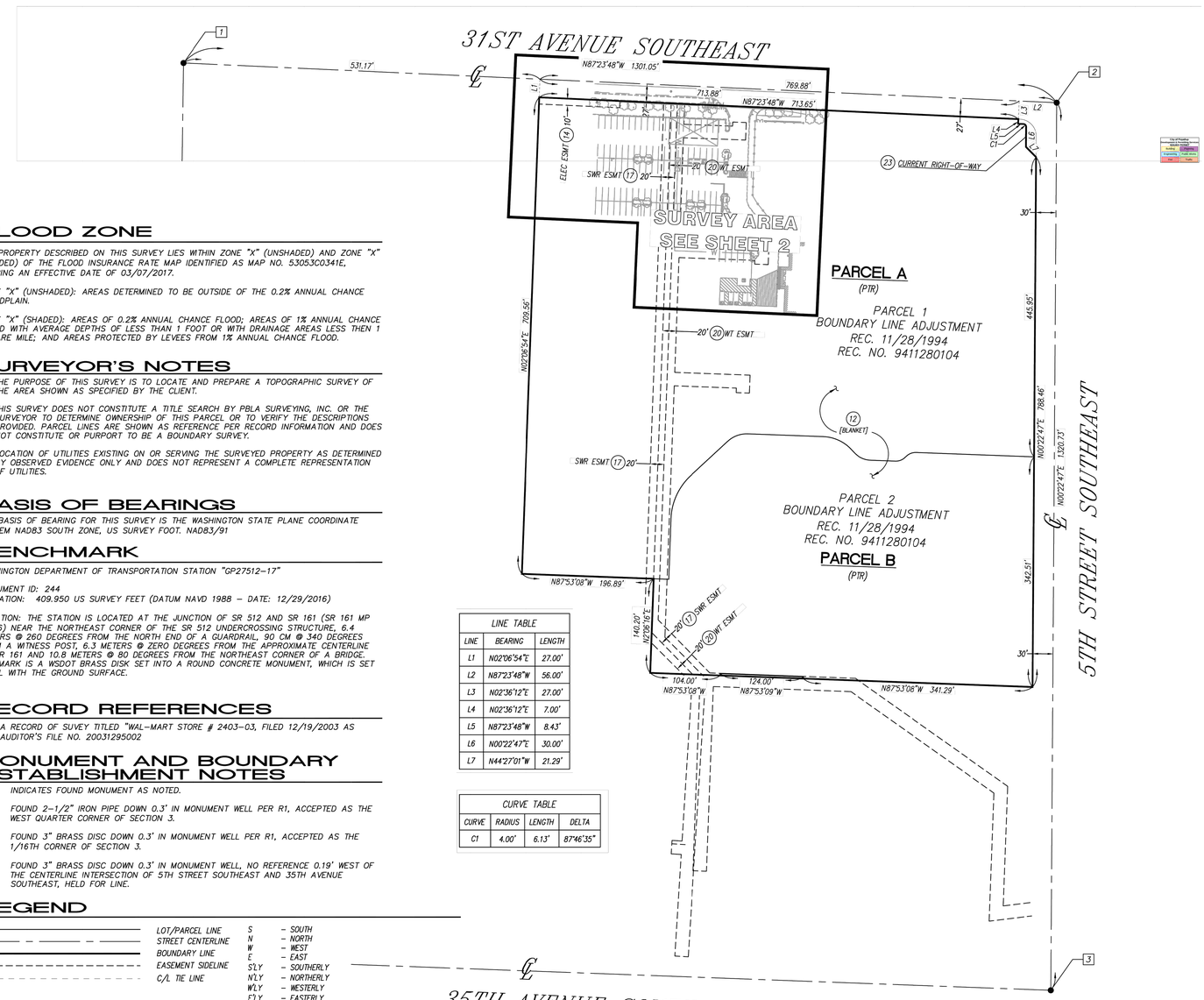
[1] *FOUND 2-1/2" IRON PIPE DOWN 0.3' IN MONUMENT WELL PER R1, ACCEPTED AS THE WEST QUARTER CORNER OF SECTION 3.*

[2] *FOUND 3" BRASS DISC DOWN 0.3' IN MONUMENT WELL PER R1, ACCEPTED AS THE 1/16TH CORNER OF SECTION 3.*

[3] *FOUND 3" BRASS DISC DOWN 0.3' IN MONUMENT WELL, NO REFERENCE 0.19' WEST OF THE CENTERLINE INTERSECTION OF 5TH STREET SOUTHEAST AND 35TH AVENUE SOUTHEAST, HELD FOR LINE.*

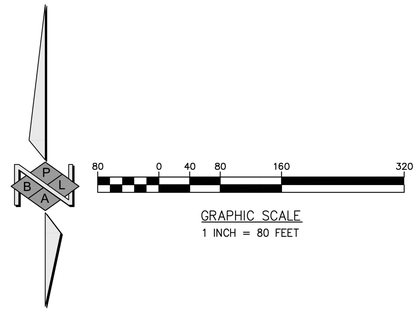
## LEGEND

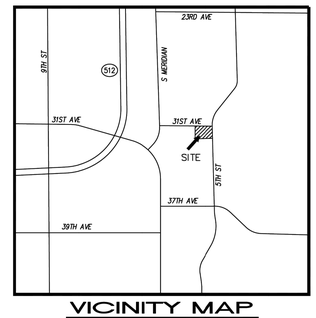
| | | | |
|---|---|---|---|
| | *LOT/PARCEL LINE* | *S* | *– SOUTH* |
| | *STREET CENTERLINE* | *N* | *– NORTH* |
| | *BOUNDARY LINE* | *W* | *– WEST* |
| | *EASEMENT SIDELINE* | *E* | *– EAST* |
| | *C/L TIE LINE* | *S'LY* | *– SOUTHERLY* |
| | | *N'LY* | *– NORTHERLY* |
| | | *W'LY* | *– WESTERLY* |
| | | *E'LY* | *– EASTERLY* |
| | | *C/L* | *– CENTERLINE* |
| | | *TYP* | *– TYPICAL* |
| | | *APN* | *– ASSESSORS PARCEL NUMBER* |
| | | *PTR* | *– TITLE COMMITMENT* |
| | | *ESMT* | *– EASEMENT* |




| LINE TABLE | | |
|---|---|---|
| LINE | BEARING | LENGTH |
| L1 | N02°06'54"E | 27.00' |
| L2 | N87°23'48"W | 56.00' |
| L3 | N02°36'12"E | 27.00' |
| L4 | N02°36'12"E | 7.00' |
| L5 | N87°23'48"W | 8.43' |
| L6 | N00°22'47"E | 30.00' |
| L7 | N44°27'01"W | 21.29' |

| CURVE TABLE | | | |
|---|---|---|---|
| CURVE | RADIUS | LENGTH | DELTA |
| C1 | 4.00' | 6.13' | 87°46'35" |




## VICINITY MAP

NOT TO SCALE

| PREPARED FOR: | PREPARED BY: |
|---|---|
| Kimley»Horn | PBLA SURVEYING, INC. |
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| 1100 W TOWN AND COUNTRY ROAD, SUITE 700, ORANGE, CA 92868 | 981 CORPORATE CENTER DR., STE. 168 |
| PHONE: 714-939-1030 | POMONA, CALIF. 91768 |
| WWW.KIMLEY-HORN.COM | (888) 714-9642 • (714)389-9191 FAX |

| DATE | BY | REVISION | APP'D |
|---|---|---|---|
| 04/30/25 | DH | FIRST RELEASE | PW |
| 09/12/25 | DH | SECOND RELEASE | PW |
| | | | |
| | | | |

EXISTING CONDITIONS

JOB NO. 5001-1104

COMMITMENT FOR TITLE INSURANCE
FIRST AMERICAN TITLE INSURANCE COMPANY
COMMITMENT NUMBER: WAFA25-2259

SHEET NUMBER C0.0

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

# MODIFIED A.L.T.A./N.S.P.S. LAND TITLE SURVEY

## CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON

## TITLE REPORT EXCEPTIONS

EASEMENTS ARE PLOTTED HEREON WITH REFERENCE TO SCHEDULE B EXCEPTION NUMBER.
EXAMPLE = (2) SCHEDULE B EXCEPTION NUMBER.

1. ANY DEFECT, LIEN, ENCUMBRANCE, ADVERSE CLAIM, OR OTHER MATTER THAT APPEARS FOR THE FIRST TIME IN THE PUBLIC RECORDS OR IS CREATED, ATTACHES, OR IS DISCLOSED BETWEEN THE COMMITMENT DATE AND THE DATE ON WHICH ALL OF THE SCHEDULE B, PART I –– REQUIREMENTS ARE MET.

2. TAXES OR ASSESSMENTS WHICH ARE NOT SHOWN AS EXISTING LIENS BY THE RECORDS OF ANY TAXING AUTHORITY THAT LEVIES TAXES OR ASSESSMENTS ON REAL PROPERTY OR BY THE PUBLIC RECORDS.

3. ANY FACTS, RIGHTS, INTEREST, OR CLAIMS WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS BUT WHICH COULD BE ASCERTAINED BY AN INSPECTION OF THE LAND OR BY MAKING INQUIRY OF PERSONS IN POSSESSION THEREOF.

4. EASEMENTS, CLAIMS OF EASEMENT OR ENCUMBRANCES WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.

5. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, OR ANY OTHER FACTS WHICH A CORRECT SURVEY WOULD DISCLOSE, AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.

6. (A) UNPATENTED MINING CLAIMS; (B) RESERVATIONS OR EXCEPTIONS IN PATENTS OR IN ACTS AUTHORIZING THE ISSUANCE THEREOF; (C) WATER RIGHTS, CLAIMS OR TITLE TO WATER, DITCH OR DITCH RIGHT, WHETHER OR NOT THE MATTERS EXCEPTED UNDER (A), (B), OR (C) ARE SHOWN BY THE PUBLIC RECORDS; (D) INDIAN TRIBAL CODES OR REGULATIONS, INDIAN TREATY OR ABORIGINAL RIGHTS, INCLUDING EASEMENTS OR EQUITABLE SERVITUDES.

7. ANY LIEN OR RIGHT TO A LIEN FOR SERVICES, LABOR, EQUIPMENT OR MATERIAL OR MEDICAL ASSISTANCE, UNLESS SUCH LIEN IS SHOWN BY THE PUBLIC RECORDS AS OF DATE OF POLICY.

8. ANY SERVICE, INSTALLATION, CONNECTION, MAINTENANCE, CONSTRUCTION, TAP OR REIMBURSEMENT CHARGES/COSTS FOR SEWER, WATER, GARBAGE OR ELECTRICITY.

9. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "CITY OF PUYALLUP ORDINANCE NO. 2183"
   RECORDED : JUNE 28, 1989 RECORDING NO.: 8906280213

   [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

10. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "CITY OF PUYALLUP ORDINANCE NO. 2190"
    RECORDED : JUNE 28, 1989 RECORDING NO.: 8906280214

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

11. THE TERMS AND PROVISIONS CONTAINED IN THE DOCUMENT ENTITLED "CITY OF PUYALLUP ORDINANCE NO. 2234"
    RECORDED : APRIL 27, 1990 RECORDING NO.: 90042700259

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

(12) CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT AND THE TERMS AND CONDITIONS THEREOF:
    BETWEEN : CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT
    AND : HOME DEPOT U.S.A., INC.
    RECORDING INFORMATION: 9406200693

    IN THIS CONNECTION WE NOTE AGREEMENT RELATING TO USE, AND THE TERMS AND CONDITIONS THEREOF:
    RECORDED : FEBRUARY 28, 1995
    RECORDING INFORMATION : 9502281047

    FIRST AMENDMENT TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT, AND THE TERMS AND CONDITIONS THEREOF:
    RECORDED : MAY 2, 1995
    RECORDING INFORMATION : 9505020021

    SAID INSTRUMENT IS A RE–RECORD OF RECORDING NO(S). 9503140374

    SECOND AMENDMENT TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT, AND THE TERMS AND CONDITIONS THEREOF:
    RECORDED : JULY 23, 2004
    RECORDING INFORMATION : 200407230431

    FIRST AMENDMENT TO AGREEMENT RELATING TO USE, AND THE TERMS AND CONDITIONS THEREOF:
    RECORDED : JULY 23, 2004
    RECORDING INFORMATION : 200407230433

    THIRD AMENDMENT TO CONSTRUCTION, OPERATION AND RECIPROCAL EASEMENT AGREEMENT, AND THE TERMS AND CONDITIONS THEREOF:
    RECORDED : FEBRUARY 03, 2025
    RECORDING INFORMATION : 202502030391

    [CONTAINS EASEMENTS THAT ARA BLANKET TO THE WAL–MART PARCELS FOR ACCESS, UTILITIES, DRAINAGE, ENROACHMENTS, PARKING, AND UNINPEDED ACCESS ACROSS PARCELS; MODIFIDED DOCUMENTS CONTAIN NO ADDITIONAL EASEEMENTS]

13. MEMORANDUM OF AGREEMENT FOR WATER SYSTEM AGREEMENT AND THE TERMS AND CONDITIONS THEREOF:
    BETWEEN : FRUITLAND MUTUAL WATER COMPANY
    AND : SOUTH HILL VILLAGE LIMITED PARTNERSHIP
    RECORDING INFORMATION : 9407290338

    THE INTEREST IDENTIFIED HEREIN HAS NOT BEEN EXAMINED FURTHER AND NO REPRESENTATION IS MADE AS TO THE CURRENT HOLDER OF SUCH RIGHTS.

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

(14) EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDED : SEPTEMBER 20, 1994
    RECORDING INFORMATION : 9409200331
    IN FAVOR OF : PUGET SOUND ENERGY, INC., A WASHINGTON CORPORATION
    FOR : ELECTRIC AND/OR GAS TRANSMISSION AND/OR DISTRIBUTION SYSTEM

    THE DESCRIPTION PROVIDED FOR SAID EASEMENT IS INSUFFICIENT TO DETERMINE ITS EXACT LOCATION WITHIN THE PROPERTY HEREIN DESCRIBED.

15. TERMS, COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS, BOUNDARY DISCREPANCIES AND ENCROACHMENTS AS CONTAINED IN RECORDED LOT LINE ADJUSTMENT (BOUNDARY LINE REVISIONS):
    RECORDED : NOVEMBER 28, 1994
    RECORDING INFORMATION : 9411280104

    9412070050, 9501200059 AND 9502270107

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

16. COVENANTS, CONDITIONS, RESTRICTIONS AND/OR EASEMENTS; BUT DELETING ANY COVENANT, CONDITION OR RESTRICTION INDICATING A PREFERENCE, LIMITATION OR DISCRIMINATION BASED ON RACE, COLOR, RELIGION, SEX, HANDICAP, FAMILY STATUS, OR NATIONAL ORIGIN TO THE EXTENT SUCH COVENANTS, CONDITIONS OR RESTRICTIONS VIOLATE TITLE 42, SECTION 3604(C), OF THE UNITED STATES CODES:
    RECORDING INFORMATION: 9412150225

    MODIFICATION AND/OR AMENDMENT BY INSTRUMENT:
    RECORDED : JULY 23, 2004
    RECORDING INFORMATION : 200407230432

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENTS]

## TITLE REPORT EXCEPTIONS

EASEMENTS ARE PLOTTED HEREON WITH REFERENCE TO SCHEDULE B EXCEPTION NUMBER.
EXAMPLE = (2) SCHEDULE B EXCEPTION NUMBER.

(17) EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDING INFORMATION : 9502281042
    IN FAVOR OF : CITY OF PUYALLUP FOR: SEWER PIPES

18. EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDING INFORMATION : 9505020020
    IN FAVOR OF : FRUITLAND MUTUAL WATER COMPANY
    FOR : WATER LINE

    THE INTEREST IDENTIFIED HEREIN HAS NOT BEEN EXAMINED FURTHER AND NO REPRESENTATION IS MADE AS TO THE CURRENT HOLDER OF SUCH RIGHTS.

    [NOT PLOTTED; SUPERCEDED BY ITEM NO. 20]

19. EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDING INFORMATION : 9606140157
    IN FAVOR OF : WASHINGTON NATURAL GAS COMPANY, A WASHINGTON CORPORATION
    FOR : A GAS PIPELINE OR PIPELINES UNDER, OVER, THROUGH AND ACROSS

    [SAID EASEMENT IS A 10 FOOT STRIP; THE LOCATION OF WHICH CANNOT BE DEPICTED GRAPHICALLY FROM SAID DOCUMENT]

(20) EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDING INFORMATION : 9610150317
    IN FAVOR OF : FRUITLAND MUTUAL WATER COMPANY
    FOR : WATER LINE

    THE INTEREST IDENTIFIED HEREIN HAS NOT BEEN EXAMINED FURTHER AND NO REPRESENTATION IS MADE AS TO THE CURRENT HOLDER OF SUCH RIGHTS.

21. EASEMENT, INCLUDING TERMS AND PROVISIONS CONTAINED THEREIN:
    RECORDING INFORMATION : 9611130255
    IN FAVOR OF : WASHINGTON NATURAL GAS COMPANY
    FOR : GAS PIPELINE OR PIPELINES

    [SAID EASEMENT IS A 10 FOOT STRIP; THE LOCATION OF WHICH CANNOT BE DEPICTED GRAPHICALLY FROM SAID DOCUMENT]

22. CONDITIONS, NOTES, EASEMENTS, PROVISIONS AND/OR ENCROACHMENTS CONTAINED OR DELINEATED ON THE FACE OF THE SURVEY RECORDED UNDER RECORDING NO. 200312195002.

    [AFFECTS THE WAL–MART PARCELS; NO PLOTTABLE EASEMENT]

23. RIGHT TO MAKE NECESSARY SLOPES FOR CUTS OR FILLS UPON SAID PREMISES FOR UTILITY AS GRANTED BY DEED RECORDED OCTOBER 12, 2017 UNDER RECORDING NO. 201710120378.

    AFFECTS : PARCEL A

24. THE FOLLOWING DEEDS AFFECTING THE PROPERTY HEREIN DESCRIBED HAVE BEEN RECORDED WITHIN 36 MONTHS OF THE EFFECTIVE DATE OF THIS COMMITMENT: NONE

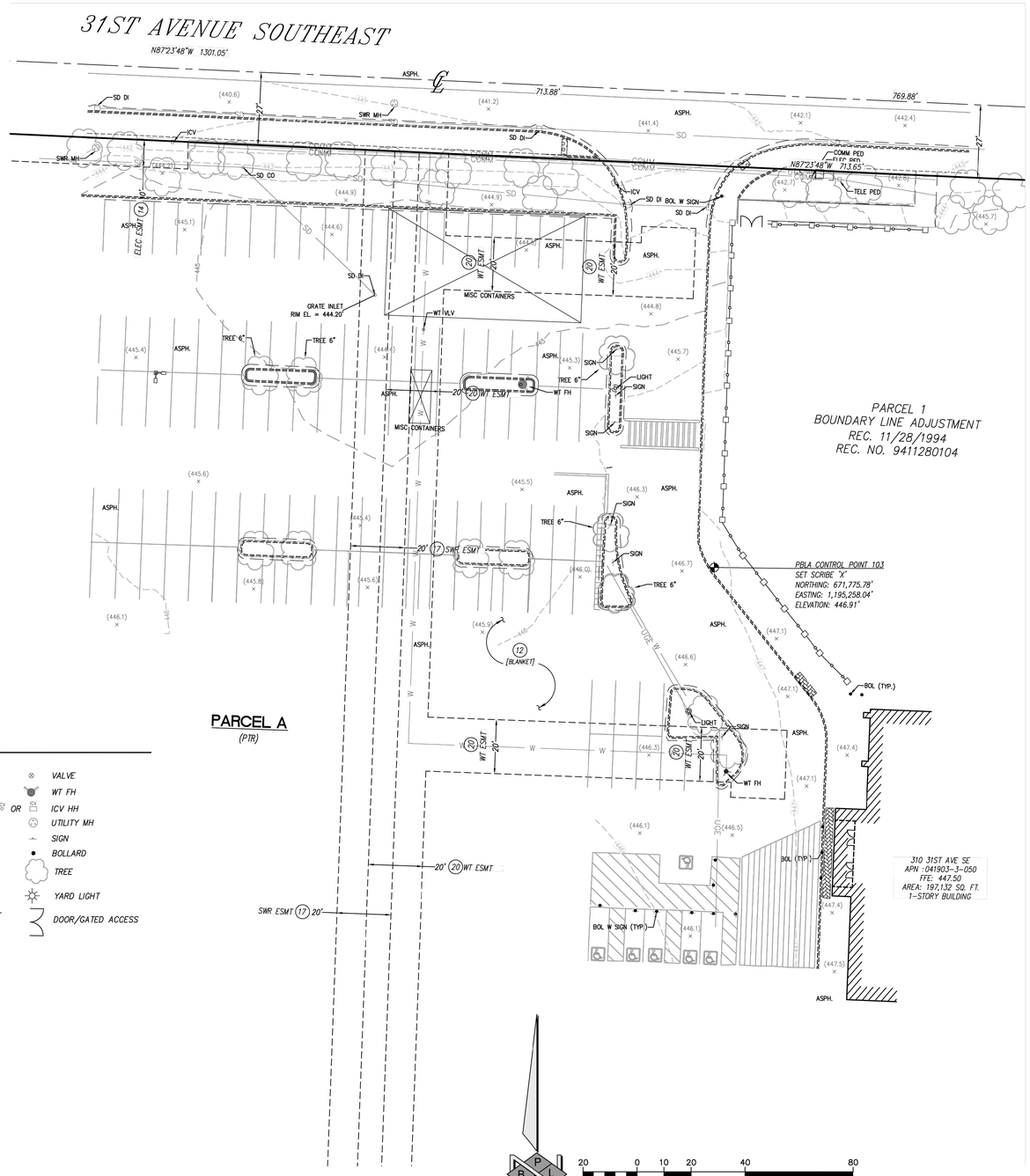
25. ALL MATTERS REGARDING EXTENDED COVERAGE HAVE BEEN CLEARED FOR MORTGAGEE'S POLICY. THE COVERAGE CONTEMPLATED BY THIS PARAGRAPH WILL NOT BE AFFORDED IN ANY FORTHCOMING OWNER'S STANDARD COVERAGE POLICY TO BE ISSUED.

    AFFECTS : PARCEL A

26. WE DON'T FIND ANY VOLUNTARY LIENS OF RECORD AFFECTING SUBJECT PROPERTY. INQUIRE AS TO THE EXISTENCE OF ANY UNRECORDED LIEN OR OTHER INDEBTEDNESS WHICH COULD GIVE RISE TO ANY SECURITY INTEREST IN THE SUBJECT PROPERTY.

## LEGEND

| | | | |
|---|---|---|---|
| LOT/PARCEL LINE | S – SOUTH | | VALVE |
| STREET CENTERLINE | N – NORTH | | WT FH |
| BOUNDARY LINE | W – WEST | OR | ICV HH |
| EASEMENT SIDELINE | E – EAST | | UTILITY MH |
| C/L TIE LINE | S'LY – SOUTHERLY | | SIGN |
| CONCRETE | N'LY – NORTHERLY | | BOLLARD |
| CURB | W'LY – WESTERLY | | TREE |
| BUILDING OVERHANG LINE | E'LY – EASTERLY | | YARD LIGHT |
| LANE STRIPING | C/L – CENTERLINE | | DOOR/GATED ACCESS |
| EDGE OF ASPH PAVEMENT | TYP – TYPICAL | | |
| WALL | APN – ASSESSORS PARCEL NUMBER | | |
| CHAIN LINK FENCE | PTR – TITLE COMMITMENT | | |
| IRON FENCE | ESMT – EASEMENT | | |
| GRADE BREAK LINE | ABOVE GROUND FEATURES | | |
| CONCRETE SIDEWALK | CONC – CONCRETE | | |
| 1 FOOT CONTOUR INTERVAL | ASPH – ASPHALT | | |
| 5 FOOT CONTOUR INTERVAL | AD – AREA DRAIN | | |
| UNDERGROUND COMM | CO – CLEANOUT | | |
| UNDERGROUND ELECTRIC | FH – FIRE HYDRANT | | |
| UNDERGROUND SEWER | ICV – IRRIGATION CONTROL VALVE | | |
| UNDERGROUND STORM DRAIN | MH – MANHOLE | | |
| UNDERGROUND WATER | MTR – METER | | |
| EXISTING BUILDING | PED – PEDESTAL | | |
| TRUNCATED DOME PAD | VLT – VAULT | | |
| | VLV – VALVE | | |
| | UTILITIES | | |
| | ELEC – ELECTRIC | | |
| | SD – STORM DRAIN | | |
| | SWR – SEWER | | |
| | TEL – TELEPHONE | | |
| | WT – WATER | | |




| PREPARED FOR: | PREPARED BY: |
|---|---|
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| PHONE: 714-939-1030 | POMONA, CALIF. 91768 |
| WWW.KIMLEY-HORN.COM | (888) 714-9642 • (714)389-9191 FAX |

| DATE | BY | REVISION | APP'D |
|---|---|---|---|
| 04/30/25 | DH | FIRST RELEASE | PW |
| 09/12/25 | DH | SECOND RELEASE | PW |
| | | | |
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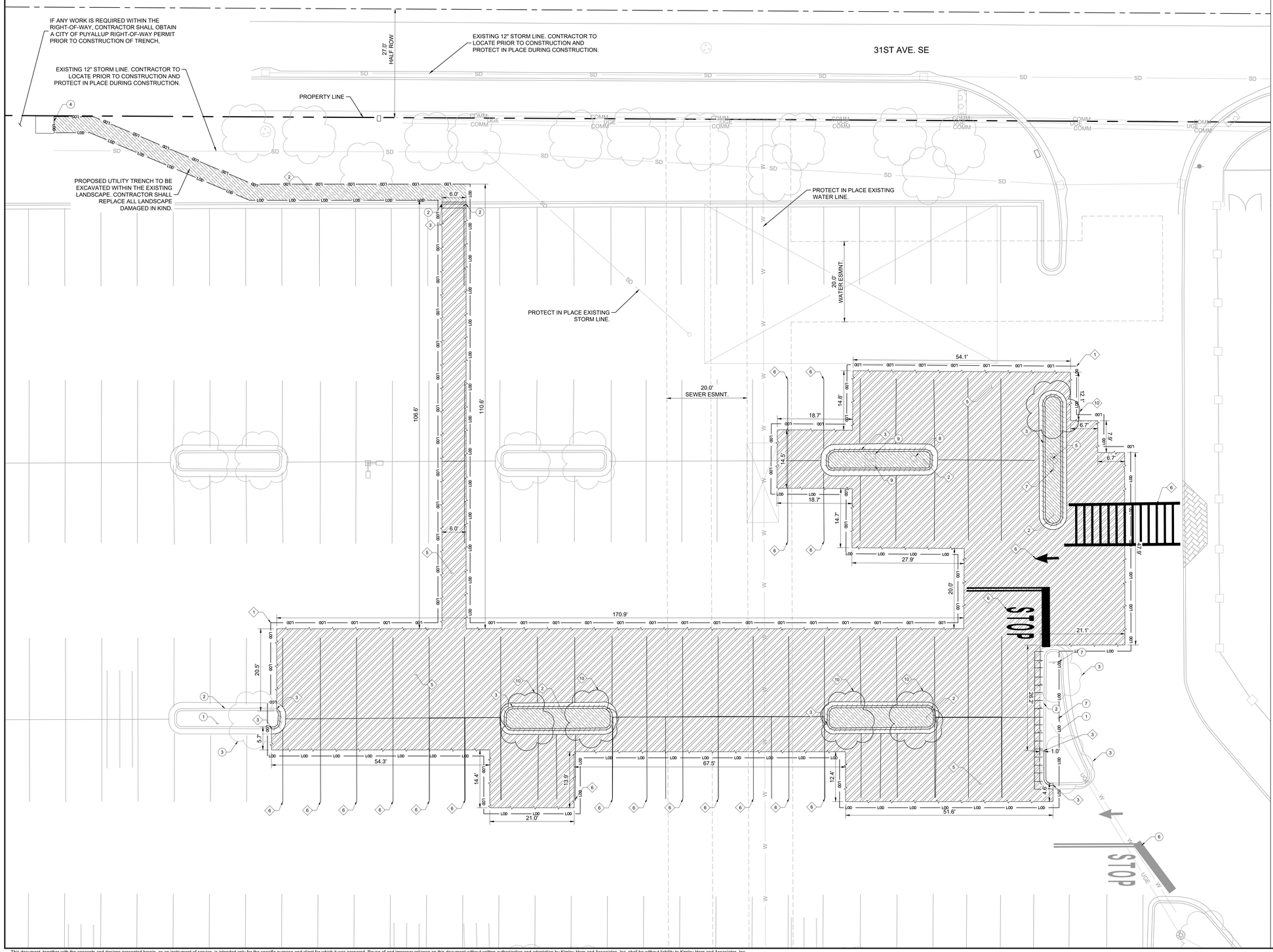
EXISTING CONDITIONS

JOB NO. 5001-1104

COMMITMENT FOR TITLE INSURANCE
FIRST AMERICAN TITLE INSURANCE COMPANY
COMMITMENT NUMBER: WAFA25-2259

SHEET NUMBER C0.1




## DEMOLITION PLAN LEGEND

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| LOD | LIMITS OF DISTURBANCE= ±13,200 SF (±0.30 AC) |
| | PAVEMENT SAWCUT LINE |
| | REMOVE EXISTING CURBING TO LIMITS SHOWN |
| | FULL-DEPTH ASPHALT PAVEMENT REMOVAL |
| | FULL-DEPTH PARKING CONCRETE PAVEMENT REMOVAL |
| | FULL-DEPTH SIDEWALK CONCRETE PAVEMENT REMOVAL |
| | LANDSCAPE AREA REMOVAL |
| B# | BORE PIT LOCATION |

## EXISTING CONDITIONS NOTES

1. CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
2. THE BOUNDARY INFORMATION FOR THIS PROJECT IS ESTABLISHED BY THE ALTA LAND TITLE SURVEY PREPARED AND PROVIDED BY PBLA, DATED 11/04/2025.
3. THE BASIS OF BEARING FOR THIS PROJECT IS ESTABLISHED BY THE TOPOGRAPHIC SURVEY PREPARED AND PROVIDED BY PBLA, DATED 11/04/2025 AND THE STATEMENT BELOW:

   THE VERTICAL DATUM FOR THIS PROJECT SHALL BE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) AND THE HORIZONTAL DATUM SHALL BE THE NORTH AMERICAN DATUM OF 1983 (NAD-83) IN THE PUYALLUP STATE PLANE, ZONE SOUTH, US FOOT.

## EXISTING IRRIGATION NOTE

CONTRACTOR TO CAP EXISTING IRRIGATION SYSTEM AND REMOVE IRRIGATION INFRASTRUCTURE AS NEEDED FOR NEW CONSTRUCTION. CONTRACTOR SHALL ENSURE IRRIGATION SYSTEM IS RESTORED TO WORKING ORDER AFTER DEMOLITION OF INFRASTRUCTURE WITHIN THE CONSTRUCTION AREA.

## DEMOLITION NOTES

1. SEE ADDITIONAL DEMOLITION NOTES ON SHEET G1.0.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS AND SHALL PAY ALL FEES NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS.
3. ALL DEMOLITION SHALL COMPLY WITH CHAPTER 24 OF THE INTERNATIONAL FIRE CODE.
4. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF EXISTING FACILITIES.
5. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES. THE LOCATIONS OF EXISTING INFRASTRUCTURE DEPICTED IN THIS PLAN ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF DEMOLITION WORK.
7. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS. REFER TO SHEET C5.0.
8. DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING DEMOLITION.
9. THE CONTRACTOR SHALL REFER TO THIS PLAN FOR DEMOLITION OF EXISTING TREES. TREE PROTECTION FENCING SHALL BE INSTALLED AS NECESSARY PRIOR TO ANY DEMOLITION.
10. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIAL.
11. CONTRACTOR TO INSTALL CHAIN LINK FENCE WITH MESH SCREEN TO PROTECT PUBLIC FROM ENTERING CONSTRUCTION AREA.
12. THE CONTRACTOR SHALL CLEAR THE PROJECT SITE AREA WITHIN THE CONFINES OF THE SAWCUT LINE. THE CONTRACTOR SHALL DEMOLISH AND REMOVE FROM THE SITE ANY NOTED EXISTING UTILITY STRUCTURES, PLANTERS, TREES, AND OTHER SITE FEATURES, NOTED TO BE REMOVED ON THE DEMOLITION PLAN.
13. REFER TO THE PROPERTY SURVEY ON SHEET C0.0 FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT AREA. UNLESS OTHERWISE NOTED, ALL EXISTING STRUCTURES, SLABS, CONCRETE, ASPHALT, DEBRIS PILES, SIGNS, AND ALL APPURTENANCES SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR SHALL BE PROPERLY DISPOSED OF AS PART OF THIS PLAN. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE PROPERTY SURVEY. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
14. CONTRACTOR TO USE CARE IN HANDLING DEBRIS FROM SITE TO ENSURE THE SAFETY OF THE PUBLIC. HAUL ROUTE TO BE CLOSELY MONITORED FOR DEBRIS OR MATERIALS TRACKED ONTO ADJOINING ROADWAYS, SIDEWALKS, ETC. ROADWAYS AND WALKWAYS TO BE CLEARED DAILY OR AS NECESSARY TO MAINTAIN PUBLIC SAFETY.
15. DEMOLITION AND REMOVAL OF PAVEMENT INCLUDES PAVEMENT THICKNESS AS WELL AS BASE COURSE THICKNESS.
16. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
17. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED OR OTHERWISE DAMAGED DURING CONSTRUCTION TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
18. ALL QUANTITIES LISTED ON THIS PLAN ARE FOR THE CONVENIENCE OF THE CLIENT, CONTRACTOR AND SHALL BE CONSIDERED APPROXIMATIONS. ACTUAL QUANTITIES FOR BIDDING AND CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
19. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL PROTECT IN-PLACE ALL EXISTING SITE ELEMENTS AND INFRASTRUCTURE WITHIN THE AREA OF IMPROVEMENTS.
20. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
21. ALL EXISTING STRIPING AND PAVEMENT MARKINGS OR TEXT WITHIN THE LIMITS OF THE WORK AREA SHALL BE REMOVED VIA SODIUM BICARBONATE (SODA) BLASTING. ANY DIRECTIONAL ARROWS, STOP BARS/TEXT OR CROSSWALKS THAT ARE NOT CORRECTLY LOCATED OR INCONSISTENT WITH THE DETAILS PROVIDED SHOULD BE REMOVED. APPLY SEAL COAT TO THE EXTENT THAT THE STRIPING OR TEXT HAS BEEN REMOVED IN A SINGLE COMPLETE RECTANGLE TO COVER ALL REMOVED STRIPING. DO NOT APPLY SEAL COAT OVER EXISTING STRIPING OR CONCRETE. INSTALL NEW STRIPING AND SIGNAGE AS SHOWN ON THE SITE CONSTRUCTION PLAN.

## DEMOLITION KEYNOTES

| TAG | DESCRIPTION |
|---|---|
| 1 | LIMITS OF DISTURBANCE= ±13,200 SF (±0.30 AC) |
| 2 | REMOVE EXISTING LANDSCAPE AND ALL IRRIGATION LINES, DRIPS, VALVES, AND ASSOCIATED EQUIPMENT AS REQUIRED. CONTRACTOR TO FIELD CONFIRM IRRIGATION ROUTING AND COORDINATE SHUTDOWNS / REROUTES / RELOCATIONS WITH ONSITE SHOPPING CENTER MAINTENANCE PERSONNEL. |
| 3 | REMOVE EXISTING CURB & GUTTER. |
| 4 | FULL-DEPTH REMOVAL OF EX. SIDEWALK CONCRETE PAVEMENT TO LIMITS SHOWN. |
| 5 | SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT TO LIMITS SHOWN. |
| 6 | REMOVE EXISTING STRIPING VIA SODIUM BICARBONATE (SODA) BLASTING AND SEAL COAT ALL AREAS WHERE STRIPING IS REMOVED PRIOR TO APPLICATION OF NEW STRIPING. REFER TO SHEET C3.0 FOR PROPOSED STRIPING RELOCATION. |
| 7 | REMOVE AND SALVAGE EXISTING SIGN. REMOVE AND DEMOLISH SIGN POST. REFER TO SHEET C3.0 FOR PROPOSED SIGN RELOCATION. |
| 8 | NOT USED. |
| 9 | NOT USED. |
| 10 | TREE TO BE REMOVED AND REPLACED-IN KIND. REFER TO SHEET C3.0 FOR PROPOSED TREE LOCATION. |

## PROTECTION KEYNOTES

| TAG | DESCRIPTION |
|---|---|
| 1 | PROTECT-IN-PLACE EXISTING LANDSCAPE & ASSOCIATED IRRIGATION INFRASTRUCTURE. |
| 2 | PROTECT-IN-PLACE EXISTING CURB & GUTTER. |
| 3 | PROTECT-IN-PLACE EXISTING TREE. |
| 4 | PROTECT-IN-PLACE EXISTING TRANSFORMER AND ELECTRICAL APPURTENANCES. |
| 5 | PROTECT-IN-PLACE EXISTING LIGHT POLE. |
| 6 | PROTECT-IN-PLACE EXISTING STRIPING. ALL STRIPING DAMAGED / FADED DURING CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN-KIND. |
| 7 | PROTECT-IN-PLACE EXISTING SIGN POST AND SIGN. |
| 8 | PROTECT-IN-PLACE EXISTING GARDEN CENTER UTILITY BOLLARD. |
| 9 | PROTECT-IN-PLACE EXISTING IRRIGATION BOX & APPERATUSES. |

811 Know what's below. Call before you dig.

**CAUTION!!**
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

GRAPHIC SCALE IN FEET
0 5 10 20
SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE (30"x42")

NORTH

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
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SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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Walmart

310 31ST AVE SE -EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006

EV STALLS: 8

KIMLEY»HORN PROJECT NO.: 094007884

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DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TALIA LEONARD — STATE OF WASHINGTON — 22010510 — REGISTERED PROFESSIONAL ENGINEER — 02/23/2026

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| DRAWN BY: | MM |
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| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE

DEMOLITION PLAN

SHEET NUMBER
**C1.0**

SHEET SIZE: 42"x30"

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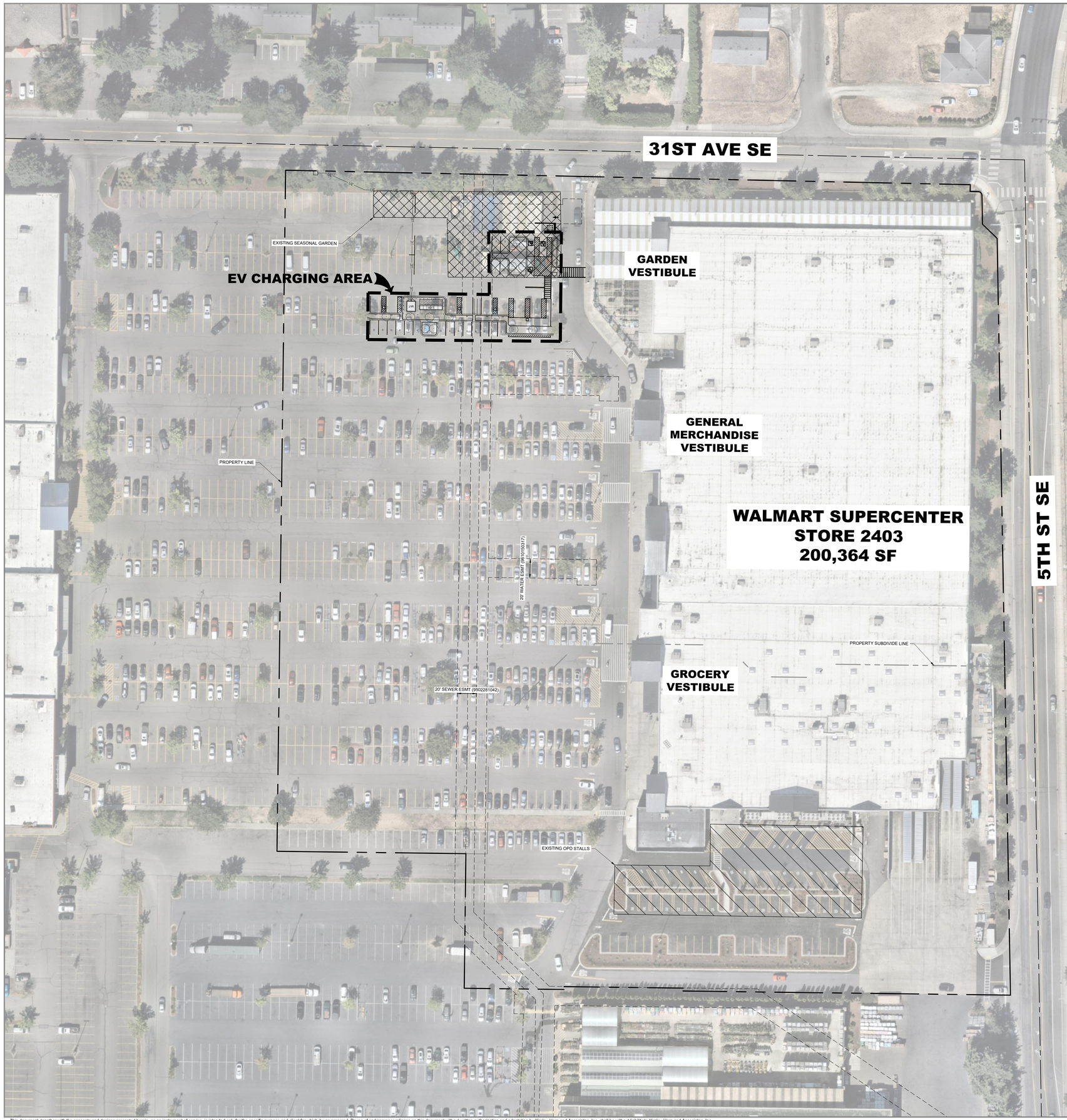


**SITE ANALYSIS TABLE (EXISTING STORE)**

| | EXISTING | PROPOSED |
|---|---|---|
| TOTAL BUILDING AREA | 200,364 S.F. | 200,364 S.F. |
| REQUIRED PARKING (PER CITY OF CITY OF PUYALLUP)<br>REQUIRED PARKING RATIO (PER CITY OF CITY OF PUYALLUP) | 667 SPACES<br>3.33 / 1,000 S.F. | 667 SPACES<br>3.33 / 1,000 S.F. |
| CUSTOMER AND ASSOCIATE PARKING<br>COMPACT PARKING<br>ACCESSIBLE PARKING<br>EV PARKING<br>PICKUP PARKING<br>PARKING SPACES OCCUPIED BY CART CORRALS (NOT INCLUDED IN PARKING COUNTS BELOW): | 535 SPACES<br>179 SPACES<br>18 SPACES<br>8 SPACES<br>34 SPACES<br>38 SPACES | 496 SPACES<br>180 SPACES<br>21 SPACES<br>8 SPACES<br>34 SPACES<br>39 SPACES |
| PROPOSED TOTAL PARKING INCLUDING PICKUP STALLS<br>PROPOSED PARKING RATIO INCLUDING PICKUP STALLS | 766 SPACES<br>3.82/1,000 S.F. | 739 SPACES<br>3.69/1,000 S.F. |

PARKING NOTES:
1. EXISTING WALMART BUILDING SF CONFIRMED VIA THE STORE EXPANSION LIST DOCUMENT PROVIDED BY EV DM (KEVIN BUTZLAFF) ON 2/4/2025.
2. PARKING AND STORAGE OF VEHICLES, EQUIPMENT, OR STAGING AREAS OUTSIDE OF THE FENCED AREA IS NOT ALLOWED.
3. CITY OF PUYALLUP PARKING RATIOS REFERENCE SECTION 20.55.010 OF PUYALLUP MUNICIPAL CODE.
4. EXISTING PARKING COUNTS ARE BASED ON SITE WALK COMPLETED BY KIMLEY-HORN ON 9/17/2025.

**SITE IMPROVEMENT PLAN LEGEND**

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| | PROPERTY SUBDIVIDE LINE |
| | EV LIMIT BOUNDARY LINE |

GRAPHIC SCALE IN FEET
0 20 40 80
SCALE: 1" = 40'
WHEN PRINTED AT FULL SIZE
(30"x42")

NORTH

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

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CONSULTANTS

2/23/2026

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| DRAWN BY: | MM |
| CHECKED BY: | TL |
| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE

SITE IMPROVEMENT MAP

SHEET NUMBER
**C2.0**

SHEET SIZE: 42"x30"

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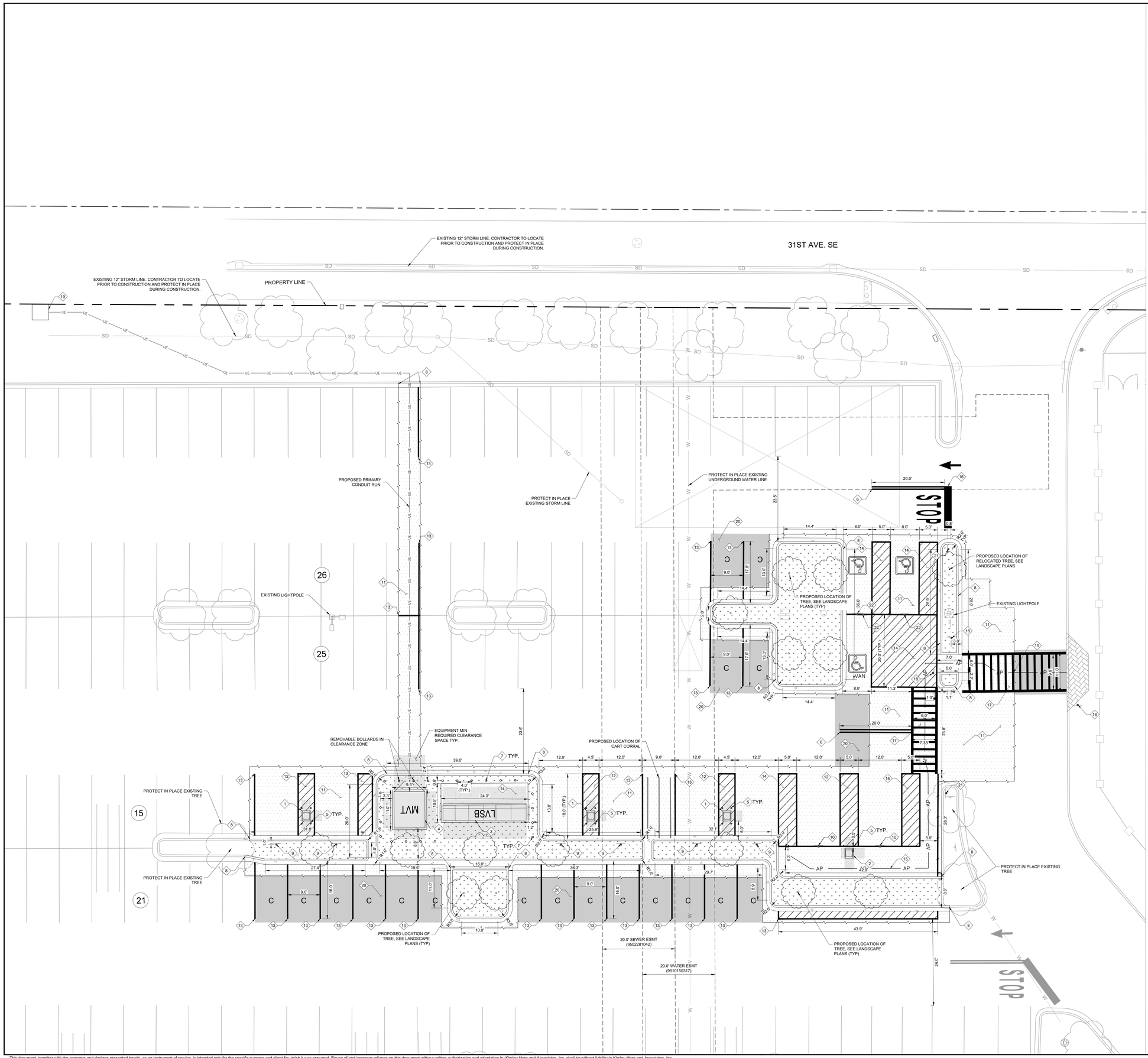


## CIVIL SITE PLAN LEGEND

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| | PAVEMENT SAWCUT LINE |
| | CONCRETE EQUIPMENT PAD |
| | SIDEWALK CONCRETE PAVEMENT |
| | PARKING CONCRETE PAVEMENT |
| | PARKING STRIPING / ACCESS AISLE |
| | RESTORE CONCRETE CURBING |
| | REGRADE & RESTORE ASPHALT PAVEMENT |
| | SEAL COAT ASPHALT PAVEMENT |
| | TRAFFIC ARROW PAVEMENT MARKING |
| | SIGN POST |
| | Ø4" CHARGER PROTECTION BOLLARD |
| | Ø6" UTILITY BOLLARD |
| AP | ACCESSIBLE PATH |
| | REGRADE AND RESTORE LANDSCAPE AREA. SEE LANDSCAPE PLANS. |
| | PROPOSED TREE, SEE LANDSCAPE PLANS. |
| XX | PARKING ROW COUNT |
| C | COMPACT STALLS WITH "COMPACT" WHITE TRAFFIC LETTERING. |

## SETBACK NOTE

CONTRACTOR TO VERIFY THAT LOCATIONS OF ALL PROPOSED EVSG ELECTRICAL EQUIPMENT ARE IN COMPLIANCE WITH ALL LOCAL CODES, SETBACKS, AND BUFFERS.

## EXISTING UTILITY NOTE

THE EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED UPON AVAILABLE RECORDS AND FIELD SUE. THE CONTRACTOR MUST FIELD-DETERMINE THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION ACTIVITIES. REPORT DISCREPANCIES AND POTENTIAL CONFLICTS WITH PROPOSED INFRASTRUCTURE TO THE ENGINEER PRIOR TO INSTALLATION OF ANY PIPING.

## CONSTRUCTION NOTES

1. SEE PAVING AND ADDITIONAL CONSTRUCTION NOTES ON SHEET G1.0.
2. CONTRACTOR TO BORE AND / OR HAND-TRENCH CONDUIT AS REQUIRED PER NEC.
3. ALL EQUIPMENT SHALL BE INSTALLED PER CLIENT DESIGN STANDARDS.
4. CONTRACTOR TO RETURN ALL AREAS OF DISTURBANCE BACK TO EXISTING GRADE AND UP TO OR BETTER THAN EXISTING CONDITIONS.
5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
6. ANY WORK OUTSIDE OF THE CONSTRUCTION FENCE NEEDS TO BE COORDINATED WITH THE STORE MANAGER AND MUST ALLOW ACCESS FOR WALMART TRUCKS AND VENDOR DELIVERY VEHICLES.
7. THE ELECTRICAL CONTRACTOR SHALL FIELD MODIFY THE ELECTRICAL TRENCH AS NECESSARY TO ENSURE NO CONFLICTS WITH EXISTING OR PROPOSED INFRASTRUCTURE, INCLUDING PROPOSED CHARGERS, ELECTRICAL EQUIPMENT, OR BOLLARD PROTECTION. PLEASE NOTIFY THE ENGINEER OF RECORD IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

## PAVEMENT MARKING NOTES

1. CONTRACTOR SHALL TAKE FIELD MEASUREMENTS OR OTHERWISE ESTABLISH A SURVEY OF THE EXISTING STRIPING IN ALL WORK AREAS IN ORDER TO ESTABLISH ALL EXISTING PAVEMENT MARKINGS WITH FULL COORDINATION OF NEW MARKINGS PROPOSED ON THIS PLAN.
2. UNLESS OTHERWISE INDICATED ON THIS PLAN, THE CONTRACTOR SHALL ESTABLISH PAVEMENT MARKINGS FOR ALL FIRE LANES, DIRECTIONAL ARROWS, STOP BARS, CURBS, SIDEWALK, LIGHT POLE BASES, SIGN BASES AND PARKING STALLS TO MATCH THE EXISTING SITE WITHIN THE REPAIR LIMITS.
3. CONTRACTOR TO USE APPROPRIATE PAINT COLORS TO MATCH THE EXISTING FEATURES. ADA BARRIER FREE AREAS TO COMPLY WITH ALL LOCAL AND FEDERAL ADA STANDARDS. PAVEMENT MARKINGS SHALL BE A HIGH QUALITY PAINT RECOMMENDED BY THE PAINT MANUFACTURER. PAINT COLORS SHALL CLOSELY MATCH THE FEDERAL STANDARD 595B COLOR NUMBER AS FOLLOWS: BLUE-COLOR 15180, WHITE-COLOR 37925 AND YELLOW-COLOR 33538.
4. IN AREAS NOT BEING RESURFACED BUT REQUIRING RESTRIPING, CONTRACTOR SHALL REMOVE EXISTING STRIPING BY SODIUM BICARBONATE (SODA) BLASTING IN SUCH A MANNER THAT THE FINISHED PAVEMENT SURFACE IS NOT DAMAGED OR LEFT IN A PATTERN THAT IS MISLEADING OR CONFUSING. USE A WATER MIST SPRAY SYSTEM RECOMMENDED BY THE MANUFACTURER FOR DUST SUPPRESSION WHEN PAVEMENT PREPARATION INCLUDES SODA BLASTING OF EXISTING PAVEMENT MARKINGS. IN PLACES WHERE STRIPING REMOVAL CHANGES THE SURFACE TEXTURE OF THE EXISTING ASPHALT, CONTRACTOR SHALL SEAL COAT THE AREA PRIOR TO RESTRIPING. CONTRACTOR TO SUBMIT STRIPING REMOVAL METHOD TO WALMART CONSTRUCTION MANAGER AND ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
5. COMPACT STALLS TO BE MARKED WITH TRAFFIC WHITE "COMPACT" LETTERING (TYPICAL).

## CIVIL KEYNOTES

| TAG | DESCRIPTION |
|---|---|
| 1 | PROPOSED ALPITRONIC HYC400 DCFC CHARGER(S). REFER TO SHEET G2.0 FOR MORE INFORMATION. EQUIPMENT FOUNDATION PER DETAIL 3, SHEET C7.0. BOLLARD PLACEMENT PER DETAIL 4, SHEET C7.0. |
| 2 | PROPOSED ALPITRONIC HYC400 ACCESSIBLE DCFC CHARGER(S). REFER TO SHEET G2.0 FOR MORE INFORMATION. EQUIPMENT FOUNDATION PER DETAIL 3, SHEET C7.0. BOLLARD PLACEMENT PER DETAIL 5, SHEET C7.0. |
| 3 | PROPOSED "MSB-EV1" SWITCHBOARD. EQUIPMENT FOUNDATION PER DETAIL 2, SHEET C7.0. SWITCHBOARD OPENINGS PER DETAIL 6, SHEET C7.0. REFER TO SHEET E1.0 FOR MORE INFORMATION. |
| 4 | PROPOSED UTILITY TRANSFORMER AND PAD. PER DETAIL 2, SHEET C7.0. |
| 5 | INSTALL Ø4" FIXED PIPE BOLLARD PER DETAIL 8, SHEET C7.0. |
| 6 | 4" WIDE DOUBLE SOLID YELLOW STRIPE. |
| 7 | PROPOSED UTILITY BOLLARD PER UTILITY DETAIL 4, SHEET E5.0. CONTRACTOR SHALL CONFIRM BOLLARD TYPE (PERMANENT OR REMOVABLE) WITH UTILITY REPRESENTATIVE PRIOR TO INSTALLATION. |
| 8 | INSTALL 6" CURB & GUTTER PER DETAIL 9, SHEET C7.1. HEIGHT PER SHEET C4.0. |
| 9 | INSTALL EV CHARGING SIGN PER DETAIL SIGN PER DETAIL 3, SHEET C7.1. SIGN MOUNTING AND BASE WITH BOLLARD PER DETAIL 1, SHEET C7.1. |
| 10 | INSTALL "EV CHARGING" AND "USE LAST ADA" SIGN PER DETAIL 3, SHEET C7.1. SIGN MOUNTING AND BASE WITH BOLLARD PER DETAIL 1, SHEET C7.1. |
| 11 | REGRADE & RESTORE ASPHALT PAVEMENT. |
| 12 | EV CHARGER ACCESS PAVEMENT STRIPING. REFER TO DETAIL 4, SHEET C7.1. |
| 13 | PROPOSED PARKING STALL PAVEMENT STRIPING. INSTALL 4" WIDE YELLOW STRIPING WITH A WET FILM THICKNESS OF 15 MILS AND A DRY FILM THICKNESS OF 7.5 MILS PER COAT. UNLESS OTHERWISE NOTED. FOR DIAGONAL STRIPING REFER TO DETAIL 4, SHEET C7.1. |
| 14 | ACCESSIBLE ACCESS AISLE PAVEMENT STRIPING. ACCESS AISLE MUST LEAD TO ACCESSIBLE PATH. REFER TO DETAIL 4, SHEET C7.1. |
| 15 | PROPOSED ACCESSIBLE ROUTE SHALL CONNECT TO EXISTING ROUTE. |
| 16 | PROPOSED STOP BAR AND PAVEMENT MARKINGS. REPAINT STOP BAR AND PAVEMENT MARKINGS IN KIND, PER WM SECP SSM GUIDANCE PLANS AND DETAILS. |
| 17 | INSTALL CROSSWALK PER DETAIL 4, SHEET C7.1. |
| 18 | INSTALL STOP FOR PEDESTRIANS (R1-5B) SIGN PER DETAIL 3, SHEET C7.1. SIGN MOUNTING & BASE WITH BOLLARD PER DETAIL 1, SHEET C7.1. |
| 19 | PRIMARY ELECTRICAL TIE-IN LOCATION. |
| 20 | LIMITS OF SEAL COAT. APPLY SEAL COAT OVER WHERE STRIPING AND PAVEMENT MARKINGS WERE REMOVED AND WHERE NEW STRIPING AND PAVEMENT MARKINGS WILL BE APPLIED. APPLY NEW STRIPING AND PAVEMENT MARKINGS OVER SEAL COAT. SEAL COAT SHALL ONLY BE APPLIED ON ASPHALT PAVEMENT. |
| 21 | PROPOSED STOP SIGN (R1-1) AND "ONCOMING TRAFFIC DOES NOT STOP" SIGN (W4-4B) PER DETAIL 3, SHEET C7.1. SIGN MOUNTING PER DETAIL 1, SHEET C7.1. |
| 22 | INSTALL OFFICIAL WA STATE ACCESSIBLE PARKING SIGN (12"X18"). VAN ACCESSIBLE ADA STALL TO INCLUDE "VAN ACCESSIBLE" SIGN BELOW ACCESSIBLE PARKING SIGN. SIGN TO BE MOUNTED AT LEAST 60 INCHES HIGH (MEASURED TO THE BOTTOM OF THE SIGN). SIGN MOUNTING AND BASE WITH BOLLARD PER DETAIL 1, SHEET C7.1. |

811 Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET
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SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE (30"x42")

NORTH

BUILDING PERMIT NO. PRCT202513501
CIVIL PERMIT NO. PRCCP202514081

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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City of Puyallup
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Walmart

310 31ST AVE SE-EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403
KIMLEY-HORN PROJECT NO.: 094207864

EV STALLS: 8

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TALIA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED PROFESSIONAL ENGINEER
02/25/2026

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| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE
SITE PLAN

SHEET NUMBER
**C3.0**

SHEET SIZE: 42"x30"

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## CIVIL SITE PLAN LEGEND

| ITEM | DESCRIPTION |
|---|---|
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| | PAVEMENT SAWCUT LINE |
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| | Ø6" UTILITY BOLLARD |
| AP | ACCESSIBLE PATH |
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| | PROPOSED TREE, SEE LANDSCAPE PLANS. |
| XX | PARKING ROW COUNT |
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811 Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET
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SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE
(30"x42")

NORTH

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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City of Puyallup
Building & Planning
Building | Planning
Approved | Date Issued
Fire | Public Works

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Walmart
310 31ST AVE SE- EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403 1006
EV STALLS: 8
KIMLEY-HORN PROJECT NO.: 094507884

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TAJA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED PROFESSIONAL ENGINEER
02/23/2026

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| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE
EV CHARGER LOCATION PLAN

SHEET NUMBER
C3.1

SHEET SIZE: 42"x30"

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## GRADING PLAN LEGEND

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| LOD | LIMITS OF DISTURBANCE= ±13,200 SF (±0.30 AC) |
| GD | GRADE BREAK LINE |
| AP | ACCESSIBLE PATH |
| (1.7%) | EXISTING FLOW ARROW (DIRECTION AND SLOPE) |
| 2.00% | PROPOSED FLOW ARROW (DIRECTION AND SLOPE) |
| 445.50 TC 445.00 FL | PROPOSED SPOT ELEVATION (SEE SPOT ELEVATION NOTES BELOW) |
| (445.50 TC) (445.00 FL) | EXISTING SPOT ELEVATION LABEL |

## SPOT ELEVATION KEY

ALL SPOT ELEVATIONS ARE PAVEMENT SURFACE UNLESS OTHERWISE NOTED AS FOLLOWS:

FL BOTTOM OF CURB (CURB AND GUTTER)
BC BOTTOM OF CURB (STANDARD CURB)
FS FINISH SURFACE
ME MATCH EXISTING
TC TOP OF CURB
TP TOP OF PAD (FS/TP = PAD ELEVATION UNLESS OTHERWISE NOTED)

## SITE NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF VESTIBULES, SLOPE PAVING, SIDEWALKS, EXIT PORCHES, TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
3. ALL CURBED RADII ARE TO BE 2' OR 10' UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
5. EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
7. SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY A LAND SURVEYOR.
8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL TERMS AND CONDITIONS OF THE NATIONWIDE PERMIT 12.
9. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED "THE SITE SPECIFIC SPECIFICATIONS".

## DISTURBANCE NOTE

FOR THE PURPOSE OF THIS PLAN, THE LIMITS OF DISTURBANCE (LOD) IS THE BOUNDARY WITHIN WHICH ALL CONSTRUCTION, CLEARING, EXCAVATION, GRADING, AND RELATED ACTIVITIES SHALL OCCUR.

## GRADING NOTES

1. ELECTRICAL SUBCONTRACTOR TO REFER TO ELECTRICAL DRAWINGS FOR ALL DISCIPLINE-SPECIFIC WORK.
2. SITE SUBCONTRACTOR TO VERIFY INSTALLATION PROXIMITY TO SLOPE AND INFORM THE ENGINEER IMMEDIATELY IF DISCREPANCIES ARE FOUND BEFORE CONSTRUCTION RESUMES.
3. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE SURVEY DONE BY PBLA ON 11/04/2025 AND ARE GIVEN FOR THE CONVENIENCE OF THE SITE SUBCONTRACTOR. REFER TO SHEET C0.0 FOR MORE INFORMATION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE SITE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES AND PERFORM A PRIVATE UTILITY LOCATE.
4. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
5. ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
6. EXISTING GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS.
7. PROPOSED GRADE CONTOURS SHOWN AT 1 FOOT INTERVALS.
8. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
9. THE CONTRACTOR SHALL ADHERE TO ALL TERMS & CONDITIONS AS OUTLINED IN THE EPA OR APPLICABLE STATE GENERAL N.P.D.E.S. PERMIT FOR STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES AND THE WALMART SPECIAL CONDITIONS, SECTION 8, ENVIRONMENTAL COMPLIANCE AND STORM WATER POLLUTION PREVENTION. THIS APPLIES TO WALMART BUILT PROJECTS ONLY.
10. CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
11. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
12. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
13. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 4 INCHES OF TOPSOIL. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER. CONTRACTOR SHALL STABILIZE DISTURBED AREAS IN ACCORDANCE WITH GOVERNING SPECIFICATIONS UNTIL A HEALTHY STAND OF VEGETATION IS OBTAINED.
14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
15. ALL ELEVATIONS ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
16. GC TO MAINTAIN EGRESS PATH WHEN WORK IS NOT BEING CONDUCTED. LIMIT DISRUPTION OF EXIT DURING CONSTRUCTION. IF WORK REQUIRES THE BLOCKAGE OF THE DOOR, NOTIFY THE STORE MANAGER AND COORDINATE WITH THE FIRE DEPARTMENT.

## GRADING KEYNOTES

| TAG | DESCRIPTION |
|---|---|
| 1 | ACCESSIBLE PATH OF TRAVEL SHALL HAVE LESS THAN 2% CROSS SLOPE AND 5% RUNNING SLOPE AT ALL TIMES. INCLUSIVE OF GUTTER LIP. |
| 2 | NOT USED. |
| 3 | ACCESSIBLE LANDING AREA (DOOR, CURB RAMP, RAMP) AND ACCESSIBLE STALL / ACCESS AISLE SHALL HAVE LESS THAN 2% SLOPE IN ALL DIRECTIONS. |
| 4 | REGRADE & RESTORE ASPHALT PAVEMENT. |
| 5 | CONCRETE EQUIPMENT PAD. |

Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET
0 5 10 20
SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE (30"x42")

NORTH

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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City of Puyallup
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Building
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Walmart

310 31ST AVE SE -EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006
KIMLEY-HORN PROJECT NO: 064507884
EV STALLS: 8

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TAJA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED PROFESSIONAL ENGINEER
02/23/2026

| No. | DATE | BY |
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| 0 | | |
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ISSUE BLOCK

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| DRAWN BY: | MM |
| CHECKED BY: | TL |
| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE

GRADING PLAN

SHEET NUMBER
**C4.0**

SHEET SIZE: 42"x30"

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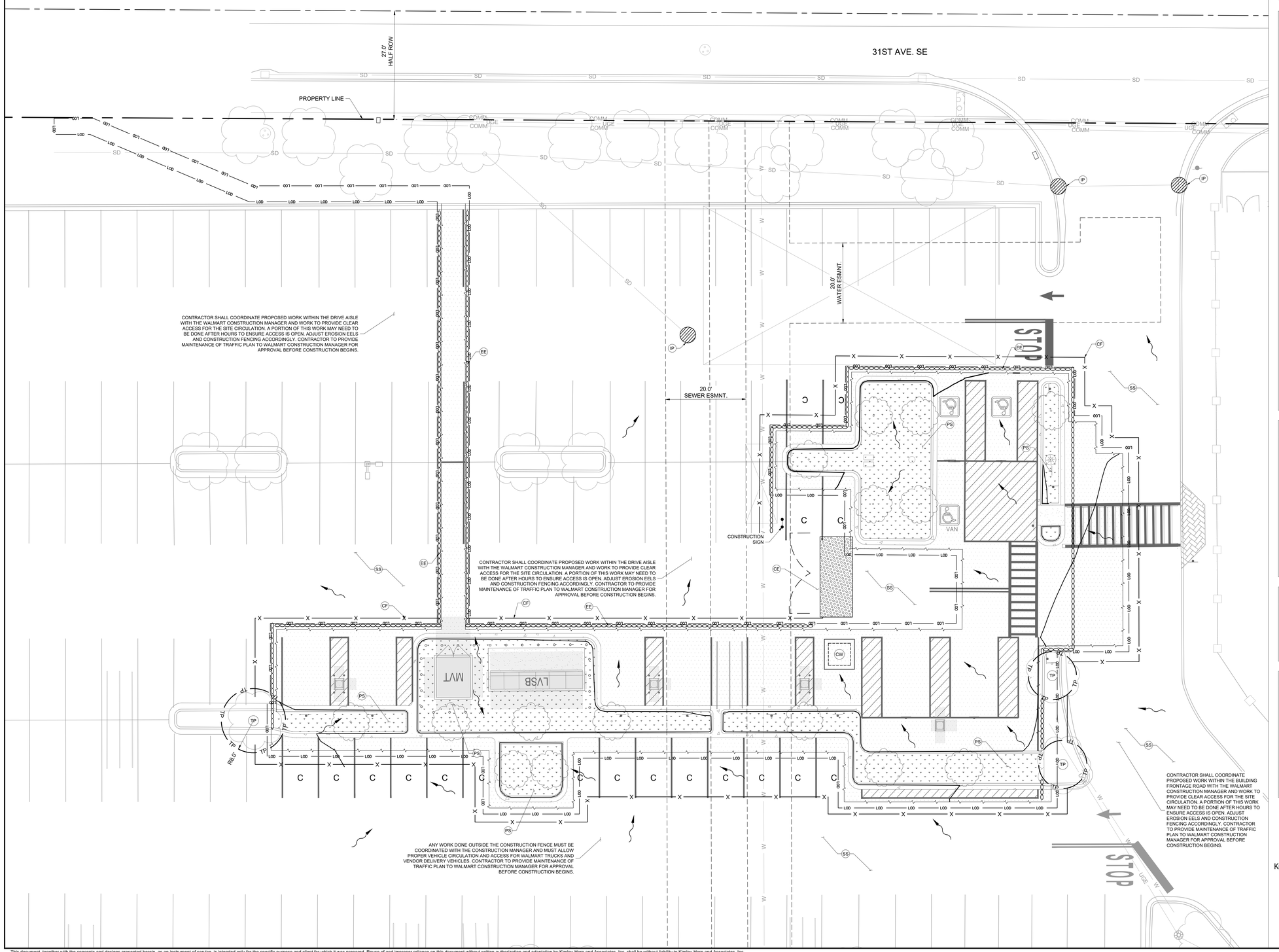


## EROSION AND SEDIMENT CONTROL LEGEND

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| LOD | LIMITS OF DISTURBANCE= ±13,200 SF (±0.30 AC) |
| | STORMWATER FLOW DIRECTION ARROW |
| | CONSTRUCTION SIGN |
| | CONSTRUCTION EXIT |
| SF | SILT FENCE |
| X | CONSTRUCTION FENCE |
| | EROSION EEL / FILTER SOCK |
| | INLET PROTECTION |
| TP TP | TREE PROTECTION |
| CW | CONCRETE WASHOUT AREA |
| | SEEDING / STABILIZATION |

## DISTURBANCE NOTE

FOR THE PURPOSE OF THIS PLAN, THE LIMITS OF DISTURBANCE (LOD) IS THE BOUNDARY WITHIN WHICH ALL CONSTRUCTION, CLEARING, EXCAVATION, GRADING, AND RELATED ACTIVITIES SHALL OCCUR.

## EROSION & SEDIMENT CONTROL NOTES

1. REFER TO SHEET G1.0 FOR ADDITIONAL EROSION PREVENTION & SEDIMENT CONTROL (E&S) NOTES.
2. REFER TO SHEET C6.0 FOR E&S DETAILS.
3. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS.
4. DUST CONTROL MEASURES SHALL BE IMPLEMENTED DURING DEMOLITION.
5. CONTRACTOR TO INSTALL CHAIN LINK FENCE WITH MESH SCREEN TO PROTECT PUBLIC FROM ENTERING CONSTRUCTION AREA.
6. TREE PROTECTION FENCING IS TO REMAIN IN PLACE UNTIL FINAL INSPECTION AND SIGN-OFF ON THE MASTER BUILDING PERMIT AND CERTIFICATE OF OCCUPANCY BY THE URBAN FORESTER. STORMWATER SIGN-OFF AND REMOVAL OF EROSION CONTROL MEASURES IS NOT JUSTIFICATION TO REMOVE TREE PROTECTION FENCING.
7. ANTICIPATED TREE REMOVAL(S) ARE SHOWN ON PLANS. CONTRACTOR SHALL VERIFY TREE REMOVAL(S) IN THE FIELD AND SHALL ATTEMPT TO SAVE TREES WHERE FEASIBLE.
8. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS NOTED OTHERWISE.
9. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
10. BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
11. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
12. CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH SWPPP IMPLEMENTATION SEQUENCE, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
13. ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAW/HAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING AND/OR BLANKETS. COMPLETION MUST BE ACHIEVED WITHIN 7 DAYS.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SODDED, AND/OR VEGETATED IMMEDIATELY, AND COMPLETED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
15. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. TEMPORARY AND/OR PERMANENT STABILIZATION SHALL BE APPLIED PER REQUIREMENTS IN THESE E&S CONTROL NOTES.
16. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE OFF-SITE.
17. ALL MEASURES STATED ON THIS SITE MAP, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, AND REPAIRED IN ACCORDANCE WITH THE SITE PLANS.
18. STORM WATER POLLUTANT CONTROL MEASURES INSTALLED DURING CONSTRUCTION, THAT WILL ALSO PROVIDE STORM WATER MANAGEMENT AFTER CONSTRUCTION, ARE INCLUDED IN THE CONTRACT DOCUMENTS. THE SITE-SPECIFIC POST CONSTRUCTION STORM WATER OPERATION AND MAINTENANCE (O&M) MANUAL IS INCLUDED IN THE CONTRACT DOCUMENTS.
19. ALL PERMANENT CONTROLS AND SYSTEMS MUST BE INSTALLED AND FUNCTIONING AS DESIGNED AND FREE OF ACCUMULATED SEDIMENT AND DEBRIS DURING FINAL PROJECT INSPECTION AND APPROVAL.
20. ANY WORK DONE OUTSIDE THE CONSTRUCTION FENCE MUST BE COORDINATED WITH THE STORE MANAGER AND MUST ALLOW ACCESS FOR WALMART TRUCKS AND VENDOR DELIVERY VEHICLES.
21. TEMPORARILY SEED WITH PURE LIVE SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE OR AS REQUIRED BY GENERIC PERMIT.

## E&S CONSTRUCTION SEQUENCE

### INITIAL E&S

- CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCES, SILT FENCE, TREE PROTECTION FENCING, FIBER ROLLS, AND CONCRETE WASHOUTS ON-SITE PRIOR TO DEMOLITION BEGINNING.
- SILT FENCE IS TO BE INSTALLED AROUND ALL BIORETENTION AREAS TO PROTECT FROM SOIL COMPACTION DURING CONSTRUCTION.
- AFTER PERIMETER MEASURES ARE INSTALLED, CONTRACTOR SHALL SCHEDULE PRE-CONSTRUCTION MEETING WITH AHJ.
- CONTRACTOR TO CONTACT AHJ TO OBTAIN STORMWATER PERMIT. THE CONTRACTOR SHALL CONTACT APPROPRIATE PARTY FOR INSPECTION OF EROSION CONTROL DEVICES.
- ALL 3:1 OR STEEPER SLOPES TO BE STABILIZED WITHIN 7 DAYS.

### FINAL E&S

- CONTRACTOR TO CLEAR, GRUB, EXCAVATE EXISTING UTILITIES ON-SITE AND GRADE REMAINING SITE.
- INSTALL PROPOSED UTILITIES.
- CONSTRUCT REMAINING SITE ACCORDING TO THE APPROVED PLANS, OR AS INSTRUCTED BY THE EROSION CONTROL INSPECTOR.
- PERMANENTLY STABILIZE SITE.
- UPON PERMANENT SITE STABILIZATION, REMOVE ALL TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.
- FINISH INSTALLING PERMANENT STORMWATER BMP'S SHOWN ON PLANS.

## CONSTRUCTION SEQUENCE CLARIFICATION

THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS AN OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

## EROSION AND SEDIMENT CONTROL KEYNOTES

| TAG | DESCRIPTION |
|---|---|
| CE | CONSTRUCTION ENTRANCE AND EXIT |
| CW | CONCRETE/ASPHALT WASHOUT AREA. SEE DETAIL 7, SHEET C6.0 |
| EE | EROSION EEL / FILTER SOCK. SEE DETAIL 6, SHEET C6.0 |
| SF | SILT FENCE. SEE DETAIL 5, SHEET C6.0 |
| IP | INLET PROTECTION. SEE DETAIL 1 OR 2, SHEET C6.0 |
| TP | TREE PROTECTION. SEE DETAIL 3, SHEET C6.0 |
| TS | TEMPORARY SEEDING / STABILIZATION |
| PS | PERMANENT SEEDING / STABILIZATION |
| SS | STREET SWEEPING AREA |
| CF | CONSTRUCTION FENCE |

Know what's below. Call before you dig.

**CAUTION!!** CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

GRAPHIC SCALE IN FEET
0 5 10 20
SCALE: 1" = 10'

NORTH

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
Main: (206) 607-2600 | www.kimley-horn.com
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Walmart
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PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006
EV STALLS: 8
KIMLEY-HORN PROJECT NO.: 094307884

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TALIA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED
PROFESSIONAL ENGINEER
02/23/2026

| ISSUE BLOCK | DATE | BY |
|---|---|---|
| No. 0 1 2 3 4 5 6 7 8 9 10 | | |

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| DESIGNED BY: | BC |
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| CHECKED BY: | TL |
| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE

EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER

C5.0

SHEET SIZE: 42"x30"

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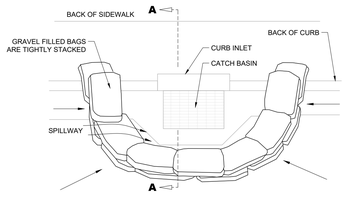
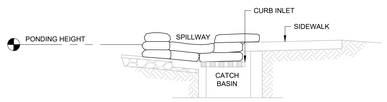



**PLAN VIEW**



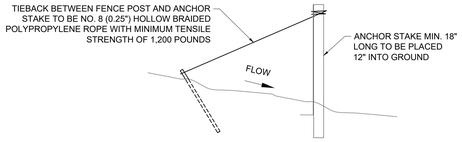

**SECTION A-A**

NOTES:

1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. GRAVEL BAG MATERIAL: POLYPROPYLENE, POLYETHYLENE OR POLYMIDE WOVEN FABRIC, MINIMUM UNIT WEIGHT 4 OUNCES PER SQUARE YARD, MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70%.
3. GRAVEL BAG SHALL BE FILLED WITH 3/4" ROCK OR 1/4" PEA GRAVEL.
4. PLACE SEVERAL LAYERS OF SAND BAGS (1'-0" MINIMUM HIGH) OVERLAPPING THE BAGS AND PACKING THEM TIGHTLY TOGETHER.
5. LEAVE GAP OF ONE BAG ON THE TOP ROW TO SERVE AS A SPILLWAY.
6. PLACE FILTER FABRIC OVER WIRE MESH. FILTER FABRIC SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR ETHYLENE FABRIC WITH AN EQUIVALENT OPENING SIZE NOT GREATER THAN 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/MINUTE/SQ. FT.
7. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

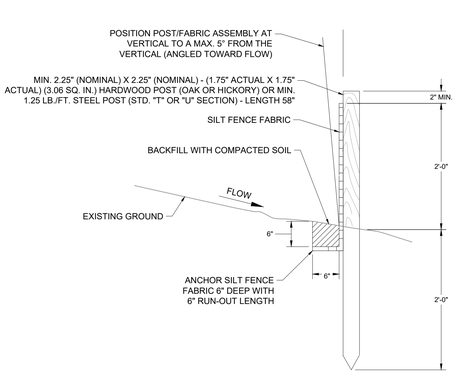
## CURB INLET SEDIMENT BARRIER

| SCALE | |
|---|---|
| N.T.S. | 1 |

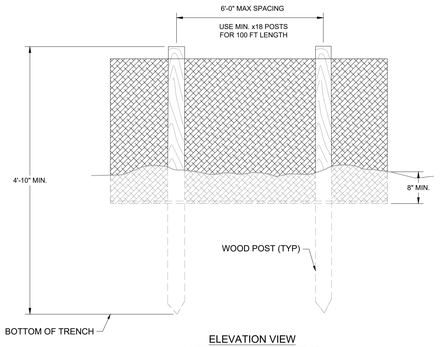



SILT FENCE TIEBACK

FOR STEEL POSTS OR WOOD POSTS




SECTIONAL VIEW



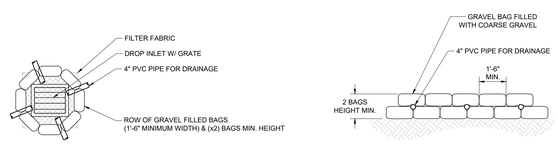

ELEVATION VIEW
(WHEN REQUIRED BY THE ENGINEER OR NOTED IN THE PLANS)

NOTES:

1. GEOTEXTILE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
2. WHEN TWO SECTIONS OF GEOTEXTILE ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. MAINTENANCE SHALL BE PERFORMED AS NOTED IN THE EROSION CONTROL PLAN. COLLECTED MATERIAL SHALL BE REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE OR WHEN CAPACITY NEARS 50%.

## SILT FENCE

| SCALE | |
|---|---|
| N.T.S. | 5 |



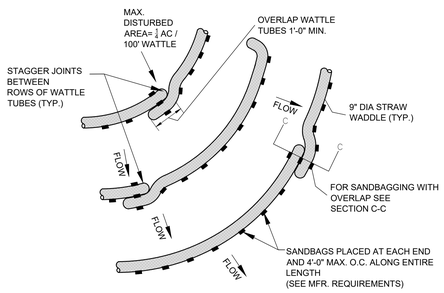

**PLAN VIEW** **SECTION VIEW**

NOTES:

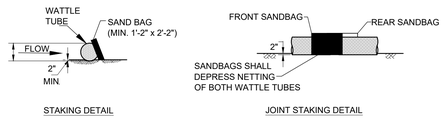
1. GRAVEL BAG MATERIAL: POLYPROPYLENE, POLYETHYLENE OR POLYMIDE WOVEN FABRIC, MINIMUM UNIT WEIGHT 4 OUNCES PER SQUARE YARD, MULLEN BURST STRENGTH EXCEEDING 300 PSI AND ULTRAVIOLET STABILITY EXCEEDING 70%
2. GRAVEL BAG SHALL BE FILLED WITH 3/4" ROCK OR 1/4" PEA GRAVEL.
3. PLACE SEVERAL LAYERS OF SAND BAGS (1'-0" MINIMUM HIGH) OVERLAPPING THE BAGS AND PACKING THEM TIGHTLY TOGETHER.
4. LEAVE GAP OF ONE BAG ON THE TOP ROW TO SERVE AS A SPILLWAY.
5. PLACE WIRE MESH OVER AND 1'-0" (MINIMUM) BEYOND THE INLET STRUCTURE.
6. PLACE FILTER FABRIC OVER WIRE MESH. FILTER FABRIC SHALL BE MANUFACTURED FROM UV RESISTANT POLYPROPYLENE, NYLON, POLYESTER, OR ETHYLENE FABRIC WITH AN EQUIVALENT OPENING SIZE NOT GREATER THAN 20 SIEVE AND WITH A MINIMUM FLOW RATE OF 40 GALLONS/MINUTE/SQ. FT.
7. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT.

## DROP INLET SEDIMENT BARRIER

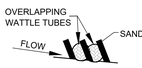
| SCALE | |
|---|---|
| N.T.S. | 2 |




PLAN VIEW FOR SLOPE APPLICATION




STAKING DETAIL JOINT STAKING DETAIL



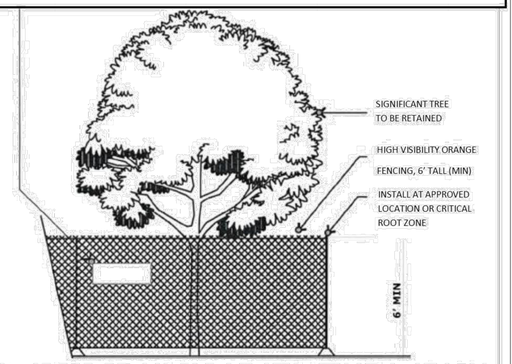

SECTION C-C

## EROSION EEL / FILTER SOCK

| SCALE | |
|---|---|
| N.T.S. | 6 |

**TREE PROTECTION ZONE (TPZ)**

NO ENTRY. NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT, PLACEMENT OF FILL OR TOP SOIL, TRENCHING OR VEHICULAR/FOOT TRAFFIC PERMITTED WITHIN THE TPZ. THIS TREE BARRIER SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM PUYALLUP PLANNING DEPARMENT—SUBJECT TO FINES AND ENFORCEMENT ACTION BY THE CITY—TO REPORT VIOLATIONS OR FOR MORE INFORMATION—CALL (253) 864.4165

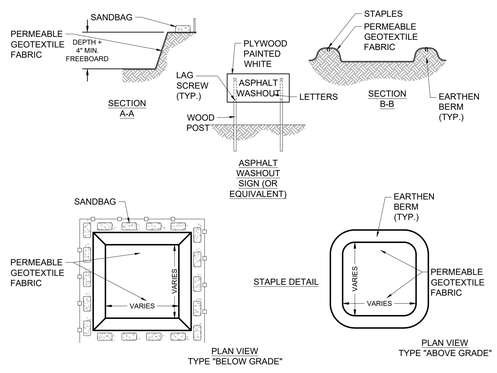



- MINIMUM SIX (6) FOOT HIGH TEMPORARY HIGH VISIBILITY ORANGE CONSTRUCTION FENCING SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE ON APPROVED FINAL LANDSCAPE PLAN SET. FENCING SHALL BE INSTALLED USING POSTS DRIVEN INTO GROUND—PIER BLOCKS SHALL NOT BE USED. AVOID POSTS DRIVEN INTO ROOTS LARGER THAN 1" DIAMETER. FENCING SHALL BE INSTALLED PRIOR TO WORK COMMENCING ON SITE AND REMAIN IN PLACE THROUGHOUT ALL PHASES ON CONSTRUCTION—CALL THE CITY'S PLANNING DIVISION WITH REQUESTS TO MODIFY THE LOCATION OF THE TREE PROTECTION FENCING—(253) 864-4165.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING AND COVERED WITH SOIL AS SOON AS POSSIBLE. OTHER PRE-TREATMENT MEASURES MAY BE REQUIRED TO PROTECT ROOT SYSTEM—SEE APPROVED TREE PROTECTION OR FINAL LANDSCAPE PLAN FOR FURTHER DETAILS.
- NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, PLACEMENT OF TOP SOIL OR FILL MATERIAL STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE ESTABLISHED FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING DIVISION. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST WITH PRIOR WRITTEN APPROVAL BY THE CITY PLANNING DIVISION.
- THE ABOVE REFERENCED TPZ SIGNS SHALL BE PLACED EVERY 15 FEET ALONG THE FENCING AND SHALL REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION.

**TREE PROTECTION FENCING DETAIL**
(for public and private trees)

## TREE PROTECTION

| SCALE | |
|---|---|
| N.T.S. | 3 |



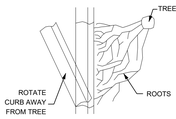

## CONCRETE / ASPHALT WASHOUT

| SCALE | |
|---|---|
| N.T.S. | 7 |

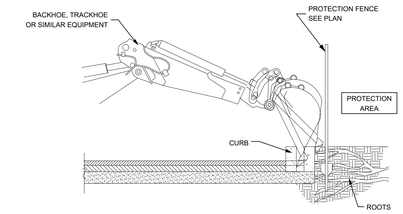
**PERMANENT STABILIZATION MEASURES SHALL BE DONE IN ACCORDANCE WITH LOCAL EROSION AND SEDIMENT CONTROL REQUIREMENTS**

## PERMANENT SEEDING / STABILIZATION

| SCALE | |
|---|---|
| N.T.S. | 4 |




PLAN




SEQUENCE
1. PERFORM ANY ROOT PRUNING.
2. INSTALL PROTECTION FENCING.
3. BREAK OR CUT CURB A 6' SECTION OF CURB.
4. CAREFULLY ROTATE CURB SECTION AWAY FROM ROOTS.
5. COORDINATE ALL DEMOLITION OPERATIONS W/ LANDSCAPE ARCHITECT.
6. INSTALL NEW BACKFILL OR SIDEWALK/CURB.

ALL DEMOLITION PROCEDURES SHALL OCCUR OUTSIDE THE PROTECTION AREA. COORDINATE WITH LANDSCAPE ARCHITECT.

## DEMOLITION PROCEDURE - CURBING

| SCALE | |
|---|---|
| N.T.S. | 8 |

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98101
Main: (206) 627-2800 www.kimley-horn.com
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City of Puyallup
Review Completed
Building
Engineering
Fire
Public Works
Parks

STIPULATION FOR REUSE

THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT **PUYALLUP WA 98374** CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON **02/23/2026** AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. KIMLEY-HORN AND ASSOCIATES, INC. (KHA) SHALL NOT BE RESPONSIBLE FOR ANY UNAUTHORIZED USE OF THIS PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

Walmart

310 31ST AVE SE -EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.10
KIMLEY-HORN PROJECT NO: 094097884
PUBLIC EV
8
EV STALLS

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TALIA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED PROFESSIONAL ENGINEER
02/23/2026

| No. | DATE | BY |
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ISSUE BLOCK

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|---|---|
| DESIGNED BY: | BC |
| DRAWN BY: | MM |
| CHECKED BY: | TL |
| PROTO CYCLE: | TBD |
| DOCUMENT DATE: | 02/23/2026 |

SHEET TITLE

E&S DETAILS

SHEET NUMBER
**C6.0**

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SHEET SIZE: 42"x30"

## POST-INSTALLED ANCHOR NOTES

1. UNLESS OTHERWISE INDICATED ON PLANS, POST-INSTALLED ANCHORS SHOULD CONSIST OF THE FOLLOWING ANCHOR TYPES, OR APPROVED EQUAL:

   HILTI KWIK HUS-EZ SS316

2. SUBSTITUTION REQUESTS FOR ALTERNATE PRODUCTS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD PRIOR TO USE. CONTRACTOR SHOULD PROVIDE CALCULATIONS DEMONSTRATING THAT THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC ESR SHOWING COMPLIANCE WITH THE RELEVANT AND CURRENT BUILDING CODE.

## FOUNDATIONS

1. FOUNDATIONS ARE DESIGNED USING PRESUMPTIVE SOIL VALUES IN ACCORDANCE WITH THE 2021 INTERNATIONAL BUILDING CODE.
2. ALL FOOTING EXCAVATIONS SHOULD BE INSPECTED BY THE GENERAL CONTRACTOR'S GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE.
3. IBC PRESUMPTIVE VERTICAL BEARING CAPACITY: 1,500 PSF
4. IBC PRESUMPTIVE LATERAL BEARING CAPACITY: 100 PCF
5. CONTRACTOR SHOULD ENGAGE A GEOTECHNICAL TESTING LABORATORY LICENSED IN THE STATE OF THE PROJECT TO CONFIRM SOIL PREPARATION AND SPECIFY PROCEDURES AND SPECIFY COMPACTING REQUIREMENTS NECESSARY TO OBTAIN THE DESIGN SOIL PROPERTIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ENGINEER OF RECORD IF ASSUMED SOIL PROPERTIES CANNOT BE OBTAINED ON SITE.

## PROJECT GENERAL NARRATIVE AND REQUIREMENTS:

1. THESE CONSTRUCTION DOCUMENTS ARE SPECIFICALLY APPLICABLE TO FOUNDATIONS SUPPORTING THE COMPONENTS LISTED BELOW:

| COMPONENT NAME | COMPONENT DIMENSIONS (WxHxD, FT) | COMPONENT WEIGHT (LBS) | EQUIVALENT UNIFORM AREA LOAD (PSF) |
|---|---|---|---|
| SWITCHBOARD | 5.83,7.58,3.33 | 2,234 | 115 |

2. EQUIPMENT YIELDING MAXIMUM EQUIVALENT UNIFORM AREA LOAD WAS USED IN DESIGN OF EQUIPMENT PADS.
3. FOUNDATION DESIGN IS BASED ON THE DESIGN CRITERIA.
4. IF THE PROJECT IS LOCATED IN AN AREA CLASSIFIED AS SITE CLASS E OR F, A SITE-SPECIFIC GEOTECHNICAL ANALYSIS IS REQUIRED AND THE ENGINEER OF RECORD SHOULD BE CONTACTED IMMEDIATELY.
5. THE CONTRACTOR'S SCOPE OF WORK FOR THIS PROJECT SHOULD INCLUDE ALL COORDINATION, MATERIALS, LABOR, AND OVERHEAD NECESSARY FOR COMPLETION OF THE FOLLOWING:
   - A. ALL STRUCTURES ARE DESIGNED TO ACT AS A STRUCTURAL UNIT UPON COMPLETION. CONTRACTOR SHOULD DESIGN AND PROVIDE NECESSARY BRACING, TEMPORARY SUPPORTS, AND SHORING TO RESIST FORCES ON THE STRUCTURE DURING CONSTRUCTION.
   - B. VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
   - C. VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO STARTING WORK.
   - D. CONTRACTOR MUST EXERCISE EXTREME CARE DURING THE EXCAVATION AND CONSTRUCTION FOR NEW STRUCTURE TO AVOID DAMAGE TO EXISTING STRUCTURES. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MEANS AND METHODS REQUIRED TO FACILITATE CONSTRUCTION OF THE WORK AND ENSURING THE SAFETY, STABILITY AND INTEGRITY OF ADJACENT STRUCTURES AND FACILITIES.
   - E. CONTRACTOR SHOULD ENGAGE A GEOTECHNICAL ENGINEER TO FIELD VERIFY SOIL PARAMETERS NOTED IN THE FOUNDATION NOTES AND CONCRETE CLASS NOTED UNDER CONCRETE NOTES.

## DESIGN CRITERIA:

1. DESIGN CRITERIA IS BASED ON THE CONTROLLING GEOGRAPHICAL LOADINGS CONSIDERING CLIENT-PROVIDED PROJECT LOCATIONS IN THE UNITED STATES.
2. THE DESIGN CRITERIA PERTAINING TO EACH SPECIFIC SITE WILL DIFFER FROM THE DESIGN CRITERIA LISTED BELOW. THE DESIGN CRITERIA LISTED BELOW IS CONSERVATIVE RELATIVE TO THE SITE SPECIFIC DESIGN WITH THE CONSIDERATION OF PROJECT GENERAL NARRATIVE AND REQUIREMENTS OF NOTE 4, ABOVE.
3. BUILDING CODE:
   2021 INTERNATIONAL BUILDING CODE
4. DESIGN LOADS
   - RISK CATEGORY = II
   - DEAD LOAD:
     - SELF WEIGHT OF MATERIAL
   - WIND:
     - DESIGN WIND SPEED (3 SEC. GUST) = 85 MPH (ULTIMATE)
     - WIND EXPOSURE = C
   - SEISMIC:
     - SEISMIC IMPORTANCE FACTOR, IE = 1.0
     - MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS:
       - $S_S$ = 1.261g
       - $S_1$ = 0.435g
     - SITE CLASS = D, DEFAULT
     - DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS:
       - $S_{DS}$ = 1.009g
       - $S_{D1}$ = NULLg
     - SEISMIC DESIGN CATEGORY = D-1
     - RESPONSE MODIFICATION COEFFICIENT (Ra) = 3.0

   **NOTE: PRIOR TO CONSTRUCTION, SITE-SPECIFIC VALUES SHOULD BE DETERMINED FOR EACH PROPOSED PROJECT LOCATION. SHOULD SITE-SPECIFIC VALUES EXCEED THOSE NOTED ABOVE, THE ENGINEER OF RECORD SHOULD BE CONTACTED IMMEDIATELY.

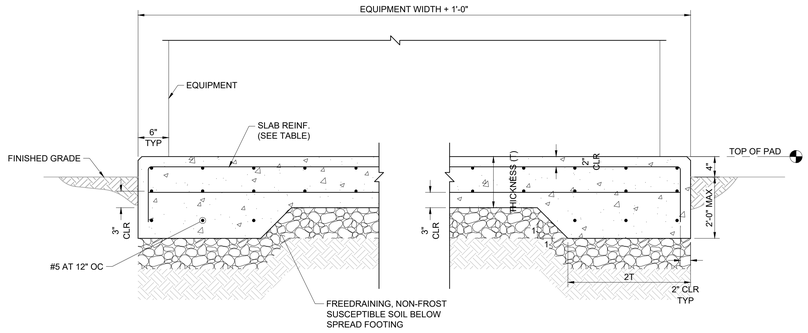
## REGULATORY NOTE:

1. ALL WORK AND MATERIALS WITHIN R.O.W. SHALL COMPLY WITH DOT OR CITY OF PUYALLUP REGULATIONS AND CODES, WHICHEVER GOVERN AND O.S.H.A. STANDARDS. PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIAL IS REQUIRED.
2. ALL DETAILS ARE WALMART STANDARD DETAILS UNLESS OTHERWISE NOTED.

**STRUCTURAL NOTES** — SCALE N.T.S. — 1

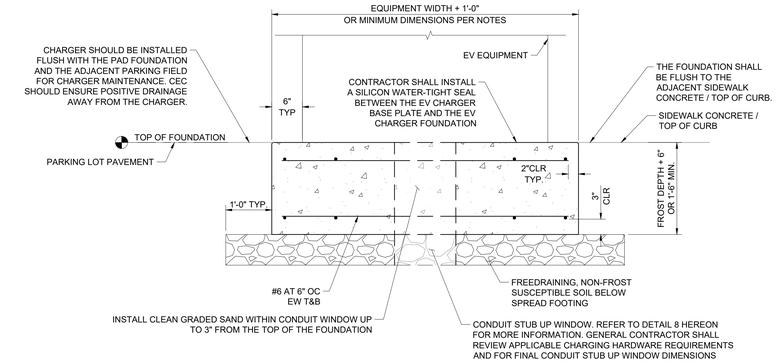
| EQUIPMENT PADS | | |
|---|---|---|
| EQUIPMENT | THICKNESS (T)* | REINFORCING |
| SWITCHGEAR | 1'-0" | #5 AT 12" OC EW, T&B |

*CONTRACTOR TO CONFIRM EQUIPMENT ANCHOR EMBEDMENT PRIOR TO REINF FABRICATION.



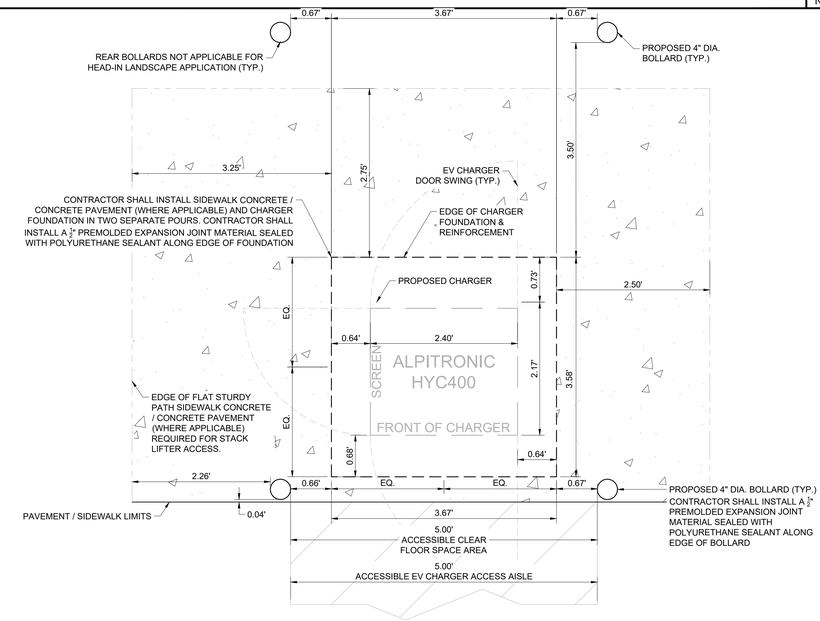

NOTE:
TOP OF EQUIPMENT PAD IS INTENDED TO BE LEVEL. GC TO COORDINATE PAD EMBEDMENT DEPTH WITH ACTUAL SITE GRADING PLANS.

**CONCRETE EQUIPMENT PAD** — SCALE N.T.S. — 2

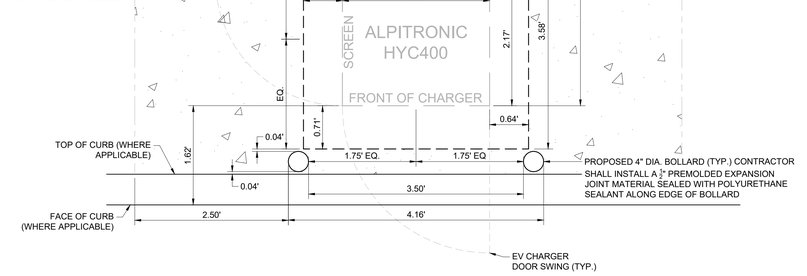



NOTES:
1. CHARGER FOUNDATION DIMENSIONS ARE PER DETAILS 2 & 6
2. CONCRETE FOUNDATIONS INSTALLED BEHIND THE CURB SHALL BE DOWELED INTO EXISTING CONCRETE USING 1/2" DIAMETER DOWELS. DOWELS TO BE 10" LONG CENTERED WITH JOINT SPACED AT 18" ON CENTER. DOWEL TO BE INSTALLED IN FORM WITH AN APPROVED DOWEL BASKET. LIGHTLY OIL FULL LENGTH OF DOWEL.
3. WHEN TRANSITIONING CONDUCTORS FROM CONDUIT TO FREE AIR INSIDE ELECTRICAL EQUIPMENT, AN APPROVED SELF-LEVELING FOAM DUCT SEALANT SHALL BE USED TO SEAL CONDUIT AROUND CONDUCTORS. CONTRACTOR SHALL SUBMIT PRODUCT SPECIFICATIONS FOR APPROVAL BY EOR PRIOR TO PROCUREMENT AND INSTALLATION.

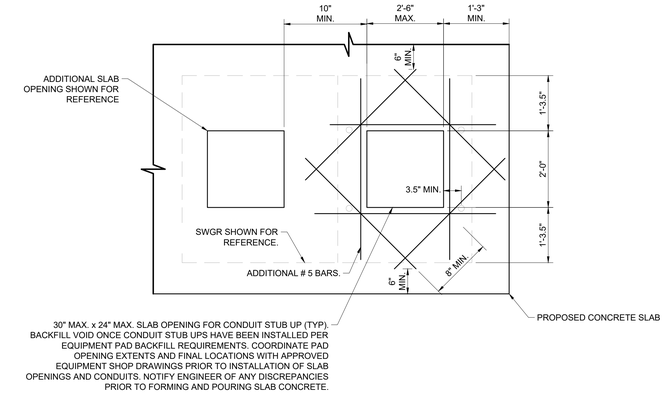
**EV CHARGER FOUNDATION (SECTION A-A)** — SCALE N.T.S. — 3



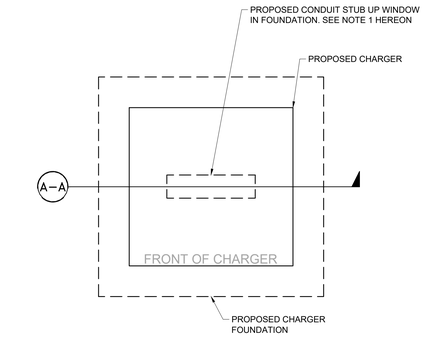

**EV CHARGER BOLLARD PLACEMENT (ALPITRONIC)** — SCALE N.T.S. — 4




**ACCESSIBLE EV CHARGER BOLLARD PLACEMENT (ALPITRONIC)** — SCALE N.T.S. — 5

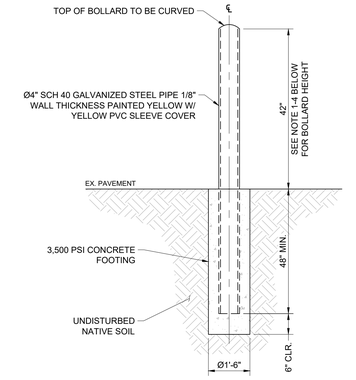



**TYPICAL SWITCHBOARD FOUNDATION OPENING** — SCALE N.T.S. — 6




NOTE:
1. GENERAL CONTRACTOR SHALL REVIEW EV CHARGING HARDWARE INSTALLATION MANUAL TO CONFIRM FINAL PLACEMENT AND SIZE OF REQUIRED CONDUIT STUB UP WINDOW WITHIN THE EV CHARGER FOUNDATION. GENERAL CONTRACTOR SHALL SUBMIT FINAL CONDUIT STURB UP WINDOW LOCATION FOR REVIEW BY CEC PRIOR TO CONSTRUCTION OF EV CHARGER FOUNDATION.

**FOUNDATION CONDUIT WINDOW** — SCALE N.T.S. — 7




NOTES:
1. BOLLARD HEIGHT SHOULD BE 42" AS MEASURED FROM THE ADJACENT FINISH GRADE OF THE PARKING DECK. IF LOCATED ON THE BACK OF CURB ACCOUNT FOR DIFFERENCE IN CURB HEIGHT TO ACHIEVE 42".
2. IF THE CHARGER IS LOCATED BEHIND A RAISED CURB / CURB & GUTTER, THE CONTRACTOR SHALL UTILIZE 36" BOLLARDS SUCH THAT THE DISTANCE FROM THE TOP OF THE BOLLARD TO THE PARKING PAVEMENT IS 42" HIGH.
3. IF THE CHARGER IS LOCATED IN SIDEWALK FLUSH WITH THE PARKING PAVEMENT OR WITHIN A STRIPED AISLE WITHIN THE PAVEMENT, THE CONTRACTOR SHALL UTILIZE 42" TALL BOLLARDS SUCH THAT THE DISTANCE FROM THE TOP OF THE BOLLARD TO THE ADJACENT PAVEMENT / SIDEWALK CONCRETE IS 42" HIGH.
4. CONTRACTOR SHALL SUBMIT BOLLARD SPECIFICATIONS AND MEASUREMENTS FOR REVIEW BY ENGINEER OF RECORD PRIOR TO BOLLARD PROCUREMENT AND INSTALLATION.

**Ø4" PIPE BOLLARD** — SCALE N.T.S. — 8

BUILDING PERMIT NO. PRCTI20251350
CIVIL PERMIT NO. PRCOP20251408


Kimley»Horn
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SEATTLE, WA 98103
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City of Puyallup
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Building
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Traffic


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Walmart

310 31ST AVE SE- EV
PUYALLUP, WA 98374
STORE NO.: WALMART SUPERCENTER #2403.1006
KIMLEY-HORN PROJECT NO: 064507584
EV STALLS: 8

PUBLIC EV

DOCUMENTS WITHOUT SIGNATURE AND REQUIRED SEAL OF AOR / EOR ARE NOT FOR CONSTRUCTION

CONSULTANTS

TAJA LEONARD
STATE OF WASHINGTON
22010510
REGISTERED PROFESSIONAL ENGINEER
02/23/2026

| ISSUE BLOCK | No. | DATE | BY |
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DESIGNED BY: BC
DRAWN BY: MM
CHECKED BY: TL
PROTO CYCLE: TBD
DOCUMENT DATE: 02/23/2026

SHEET TITLE
CIVIL DETAILS

SHEET NUMBER
C7.0


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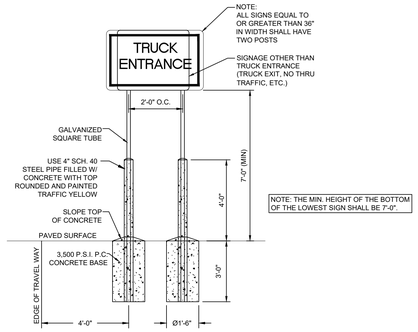
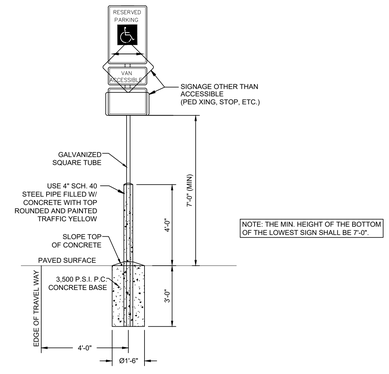
SHEET SIZE: 42"x30"



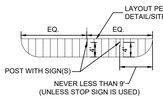

DOUBLE POST




SINGLE POST

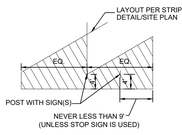
NOTES:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE

   POST TUBES - 2"x2"x3/16" 12ga
   POST TUBE SHALL MEET ASTM A1011 GRADE 50.
   POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.




PAINTED ENDCAP - 90°

SIGN LOCATIONS - 90° PARKING



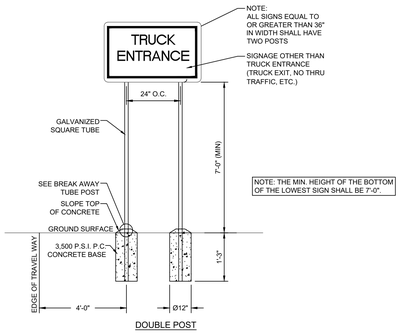

PAINTED ENDCAP - 60°

SIGN LOCATIONS - 60° PARKING

(USE WHERE SIGN IS NOT WITHIN CURBED ISLAND)

## SIGN MOUNTING AND BASE WITH BOLLARD

SCALE N.T.S. | 1

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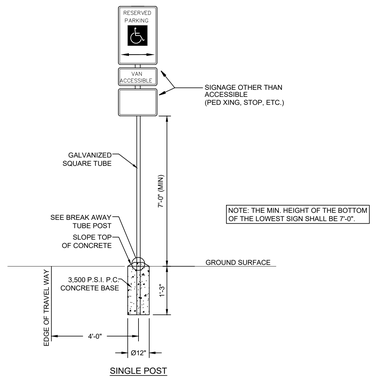


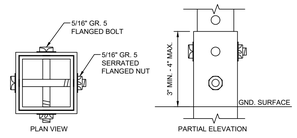

SINGLE POST

NOTES:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
2. GALVANIZED SQUARE TUBE

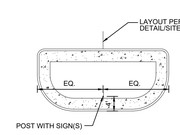
   POST TUBES - 2"x2"x3/16" 12ga
   POST TUBE SHALL MEET ASTM A1011 GRADE 50.
   POST TUBE GALVANIZED AS PER ASTM A653 GRADE 90.

   ANCHOR TUBE - 2-1/4"x2-1/4"x3/16" 12ga
   HEAVY DUTY ANCHOR TUBE SHALL MEET ASTM A500 GRADE B. STRUCTURAL TUBE AND STEEL SHALL BE HOT DIP GALVANIZED PER ASTM A123.

   THE UPPER SIGN POST SHALL TELESCOPE INSIDE THE ANCHOR TUBE A MINIMUM OF 12". THE ANCHOR TUBE SHALL BE A MINIMUM 27" DEEP WITH 3" MIN. 4" MAX. EXPOSED ABOVE FINISH GRADE.

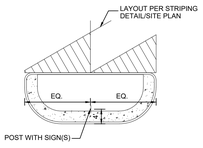



SQUARE TUBE BREAK AWAY POST




PAINTED ENDCAP - 90°

SIGN LOCATIONS - 90° PARKING




PAINTED ENDCAP - 60°

SIGN LOCATIONS - 60° PARKING

(USE WHERE SIGN IS WITHIN CURBED ISLAND)

## SIGN MOUNTING AND BASE WITHOUT BOLLARD

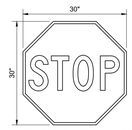
SCALE N.T.S. | 2

ADA EV CHARGING SIGN

EV CHARGING SIGN

R1-5B
LEGEND, BORDER - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)
STOP SYMBOL - RED (RETROREFLECTIVE)

STOP FOR PEDESTRIANS SIGN



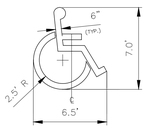

WHITE LEGEND RED BACKGROUND
R1-1
30"X30" STOP SIGN WITHIN PARKING LOT
N.T.S.

BLACK LEGEND YELLOW BACKGROUND
W4-4B
"ONCOMING TRAFFIC" PLAQUE
N.T.S.

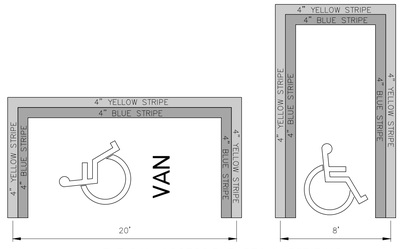
NOTE:
SIGNS SHALL HAVE DIAMOND GRADE, ASTM TYPE XI, SHEETING.

## SIGNAGE

SCALE N.T.S. | 3



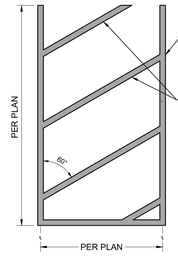

ACCESSIBLE PARKING SYMBOL
LOCATE AT EDGE OF PARKING SPACE UNLESS ACCOMPANIED BY "VAN" LETTERING



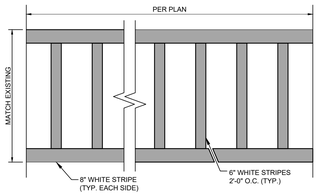

TYPICAL ACCESSIBLE STALL STRIPING

## ADA PARKING

SCALE N.T.S. | 5




ACCESS AISLE




CROSSWALK MARKING W/ LONGITUDINAL STRIPES

NOTES:
1. MARKINGS FOR STREET SHALL BE ACCORDING TO LOCAL CODE REQUIREMENTS AND AS OUTLINED IN SECTION 3B.18 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MARKINGS WITHIN PRIVATE PARKING LOT SHALL BE PER THIS DETAIL.
3. THESE MARKINGS ARE TO BE PAINTED RETROREFLECTIVE WHITE.

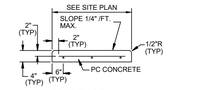
## PAVEMENT STRIPING

SCALE N.T.S. | 4

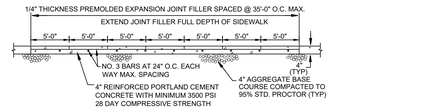



PLAN VIEW

NOTE: PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS



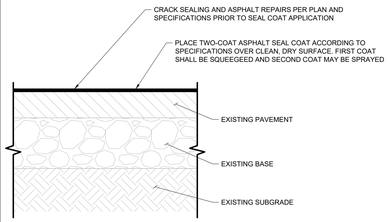

SECTION B-B



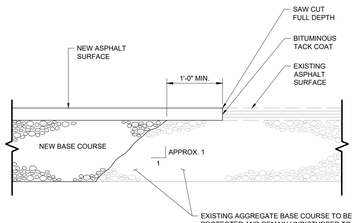

SECTION A-A

## CONCRETE SIDEWALK

SCALE N.T.S. | 6

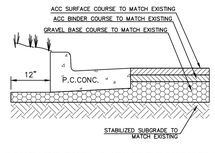



ASPHALT SEAL COAT

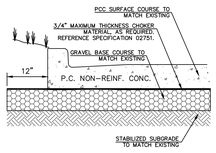



## ASPHALT PAVEMENT JOINT

SCALE N.T.S. | 7




STANDARD-DUTY ASPHALT PAVEMENT

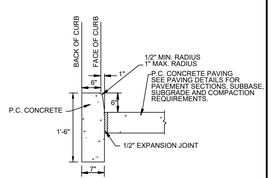



STANDARD-DUTY CONCRETE PAVEMENT

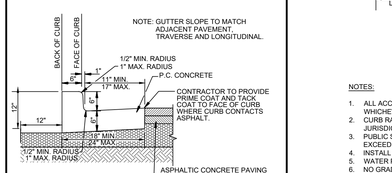
NOTE:
1. STANDARD WALMART PAVEMENT SECTIONS SHOWN FOR REFERENCE. CONTRACTOR SHALL REVIEW GEOTECHNICAL REPORT FOR THIS SITE TO CONFIRM PAVEMENT SECTIONS.

## PAVEMENT SECTIONS

SCALE N.T.S. | 8



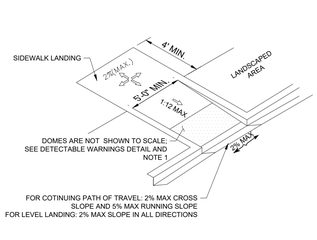

TYPE "F" CURB



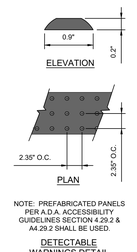

TYPE "A" CURB

## CONCRETE CURBING

SCALE N.T.S. | 9




SECTION A-A



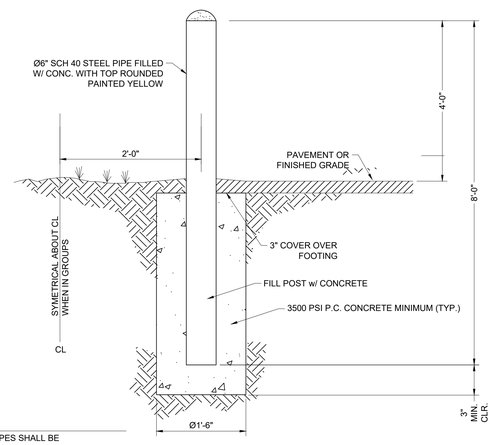

NOTE: PREFABRICATED PANELS PER A.D.A. ACCESSIBILITY GUIDELINES SECTION 4.29.2 & A4.29.2 SHALL BE USED.

DETECTABLE WARNINGS DETAIL

NOTES:
1. ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS WHICHEVER ARE MORE STRINGENT.
2. CURB RAMPS SHALL HAVE A DETECTABLE WARNING EXTENDING THE FULL WIDTH OF THE CURB RAMP AND 3' DEEP OR AS REQUIRED BY THE LOCAL JURISDICTION GOVERNING AUTHORITIES
3. PUBLIC SIDEWALK CURB RAMPS CONSTRUCTED WITHIN A PUBLIC RIGHT- OF -WAY, IN ABSENCE OF LOCAL ROADWAY GUIDELINES, SHALL MEET OR EXCEED LOCAL REGULATIONS.
4. INSTALL 1/4" EXPANSION JOINT FILLER MATERIAL BETWEEN A NEW CURB RAMP AND THE EXISTING SIDEWALKS.
5. WATER PONDING WITHIN THE CURB RAMP LIMITS IS NOT ALLOWED.
6. NO GRADE BREAK IS ALLOWED ALONG THE RAMP SURFACE.
7. CROSS SLOPE OF THE CURB RAMP SURFACE SHALL BE LESS THAN 2%.
8. TRANSITION CHANGE IN ELEVATION IS NOT TO EXCEED 1/2" WITHIN AN ACCESSIBLE ROUTE.
9. THE SURFACE OF RAMP SHALL HAVE DETECTABLE WARNINGS AS SHOWN. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES. SEE DETECTABLE WARNINGS DETAIL.
10. RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
11. CONSTRUCT PER A.D.A. STANDARDS.
12. REFER TO PLANS FOR ADJACENT SLOPES.
13. THE CROSS SLOPE OF THE RAMP SURFACE SHALL BE NO GREATER THAN 1:50.

## ACCESSIBLE RAMP IN LANDSCAPE

SCALE N.T.S. | 10




NOTE:
ALL PIPES SHALL BE PAINTED TRAFFIC YELLOW

## 6" DIA. UTILITY BOLLARD DETAIL

SCALE N.T.S. | 11

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CIVIL PERMIT NO. PRCCP20251408

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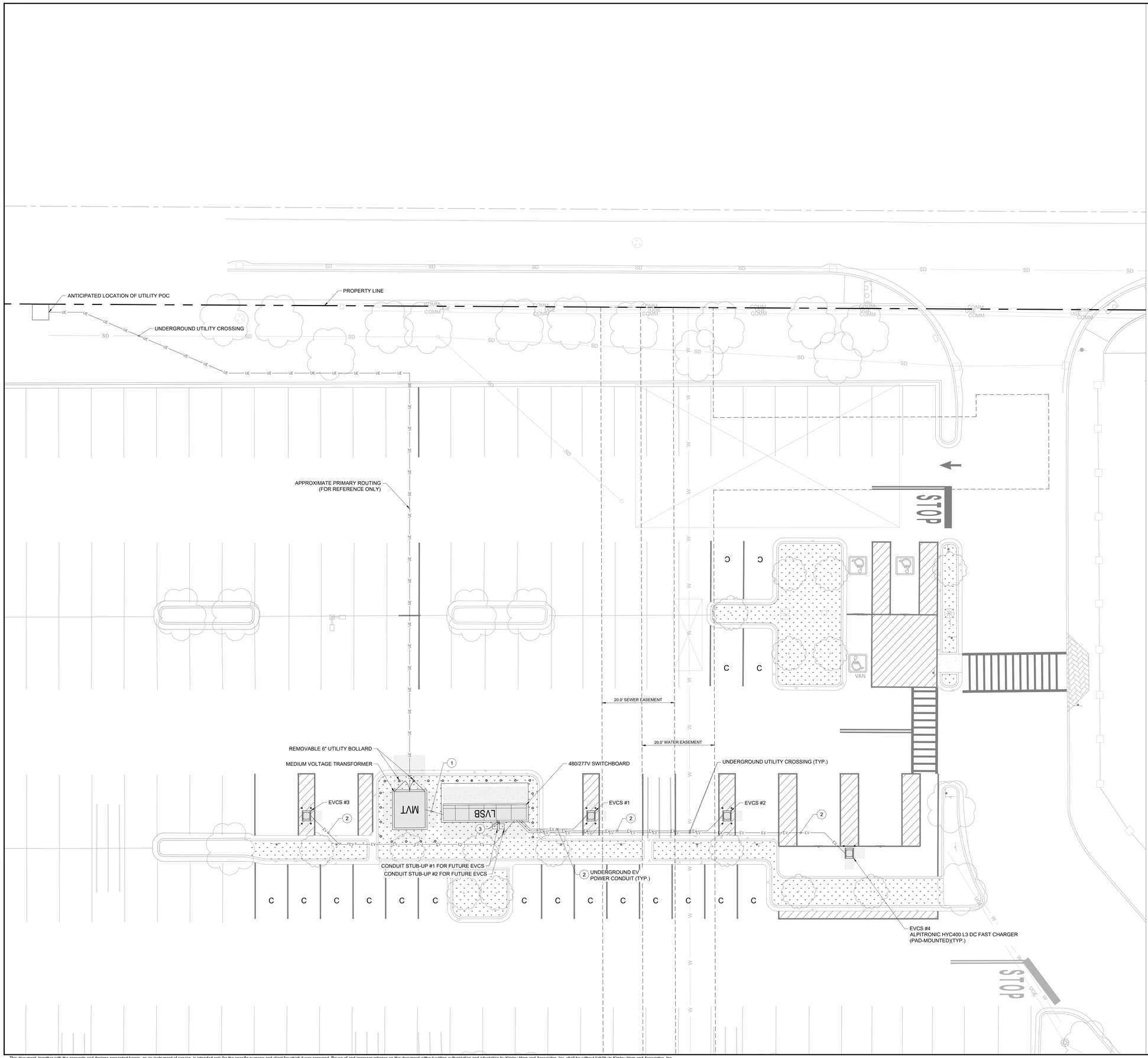


## ELECTRICAL SITE PLAN LEGEND

| ITEM | DESCRIPTION |
|---|---|
| | PROPERTY LINE |
| | SETBACK / EASEMENT LINE |
| MVT | MEDIUM VOLTAGE TRANSFORMER - PAD MOUNTED |
| LVSB | 480V LV SWITCHBOARD - PAD MOUNTED |
| | L3 DC FAST CHARGER - PAD MOUNTED |
| | ELECTRICAL EQUIPMENT MIN. REQUIRED CLEAR SPACE |
| EV EV | UNDERGROUND EV POWER CONDUIT |
| UE UE | UNDERGROUND UTILITY POWER CONDUIT |
| | CONDUIT STUB-UP FOR FUTURE EVCS |
| | Ø4" EMBEDDED BOLLARD |
| | Ø6" EMBEDDED BOLLARD |
| E | WIRE CONDUIT SCHEDULE ID, SEE DETAIL 2 ON SHEET E2.0 |

## ELECTRICAL SITE PLAN NOTES

1. UTILITY CONNECTION TO BE MADE UNDER ONCOR ENERGY STANDARDS. CONFIRM FINAL UTILITY DESIGN PRIOR TO CONSTRUCTION. ALL WORK PERFORMED REGARDING THE ELECTRICAL SERVICE SHALL MEET ALL ONCOR STANDARDS AND SPECIFICATIONS.
2. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ONSITE SHALL BE DONE IN ACCORDANCE WITH NEC 2023 AND ALL STANDARDS BEING ENFORCED BY ALL APPLICABLE JURISDICTIONAL REQUIREMENTS AT TIME OF CONSTRUCTION.
3. NO PART OF THIS DRAWING OR SPECIFICATION IS INTENDED TO ALLOW A VIOLATION OF PHYSICAL WORKING SPACE REQUIREMENTS AROUND ELECTRICAL EQUIPMENT AS REQUIRED PER NEC 110.26.
4. CONDUIT ROUTING IS ONLY DIAGRAMMATICAL. INSTALLATION OF CONDUIT SHALL BE COORDINATED TO AVOID INTERFERING WITH UNDERGROUND INFRASTRUCTURE. CONDUIT ROUTING AND CABLE TRENCH DETAILS TO BE APPROVED BY ENGINEER. HAND DIG AROUND ALL EXISTING UTILITIES. CONDUIT SHALL BE HAND DUG TRENCH IN AREAS WITH EXISTING UNDERGROUND UTILITIES.
5. CONTRACTOR TO LOCATE JUNCTION BOX OR APPROVED ALTERNATIVE FOR SITE SPECIFIC RUN LENGTHS AND BENDS PER NEC 314.26, 352.26, AND 356.26. JUNCTION BOXES SHALL BE TRAFFIC RATED WHERE SUBJECT TO VEHICULAR TRAFFIC. MINIMUM OF 1 FOOT OF CONCRETE REQUIRED AROUND ALL JUNCTION BOXES.
6. SEE SHEET E2.0 FOR CONDUIT AND CONDUCTOR SIZES AND QUANTITIES.

## ESTIMATED CONDUIT AND CONDUCTOR LENGTHS

| FROM | TO | CONDUIT LENGTH PER SET (2) | TOTAL CONDUIT LENGTH (3) | TOTAL CONDUCTOR LENGTH (4) |
|---|---|---|---|---|
| UTILITY TRANSFORMER | SWITCHBOARD 'EV' | 10' | 60' | 240' |
| SWITCHBOARD 'EV' | EVCS #1 | 30' | 60' | 180' |
| | EVCS #2 | 60' | 120' | 360' |
| | EVCS #3 | 90' | 180' | 540' |
| | EVCS #4 | 120' | 240' | 720' |
| | FUTURE STUB-UP #1 | 10' | 20' | 0' |
| | FUTURE STUB-UP #1 | 10' | 20' | 0' |
| TOTAL LENGTHS | | | 700' | 2040' |

## CONDUIT TABLE NOTES

1. CONDUCTOR AND CONDUIT LENGTHS ARE ESTIMATED VALUES BASED ON DIAGRAMMATIC CONDUIT PATHS. CONTRACTOR TO FIELD VERIFY CONDUIT PATHS AND LENGTHS WITH PHYSICAL MEASUREMENTS AFTER REVIEWING ANY POTENTIAL OBSTRUCTIONS. COMMUNICATIONS CABLING AND CONDUIT NOT INCLUDED IN THE ESTIMATES ABOVE. GROUND WIRE NOT INCLUDED IN THE TABLE ABOVE.
2. CONDUIT LENGTH PER SET IS THE HORIZONTAL DISTANCE OF THE CONDUIT PATH IS ADDITIONAL FOOTAGE FOR TRANSITIONS AND EQUIPMENT TERMINATIONS.
3. TOTAL CONDUIT LENGTH IS THE CONDUIT LENGTH PER SET MULTIPLIED BY THE NUMBER OF SETS FOR EACH RUN.
4. TOTAL CONDUCTOR LENGTH IS THE CONDUCTOR LENGTH PER SET MULTIPLIED BY THE NUMBER OF CONDUCTORS PER SET AND THE NUMBER OF PARALLEL SETS.

## CONSTRUCTION NOTES

1. SEE ADDITIONAL ELECTRICAL NOTES AND SPECIFICATIONS ON SHEET(S) G1.0 & G1.1.
2. CONTRACTOR TO BORE OR HAND TRENCH CONDUIT AS REQUIRED PER NEC.
3. ALL EQUIPMENT SHALL BE INSTALLED PER CLIENT DESIGN STANDARDS. SEE APPLICABLE STANDARDS ON SHEET(S) G1.0 & G1.1.
4. LOW VOLTAGE SWITCHBOARD (277/480V-3PH). CONDUITS STUBBED TO THIS LOCATION SHALL BE GROUPED TOGETHER TO SUPPORT SWITCHBOARD CONFIGURATION (SECONDARY ENTRANCE WINDOW AND DISTRIBUTION WINDOWS). REFER TO ELECTRICAL SHEETS FOR PROPOSED AMPACITY RATINGS OF SWITCHBOARD EQUIPMENT.
5. PAD MOUNTED TRANSFORMER (277/480V-3PH SECONDARY). CONDUITS STUBBED TO THIS LOCATION SHALL BE GROUPED TOGETHER TO SUPPORT TRANSFORMER CONFIGURATION (SECONDARY ENTRANCE WINDOW AND PRIMARY WINDOW). REFER TO ELECTRICAL SHEETS FOR PROPOSED RATINGS OF TRANSFORMER EQUIPMENT.

## EV GENERAL NOTES

1. CONTRACTOR SHALL ROUTE A MAXIMUM OF 2 CIRCUITS IN A CONDUIT FROM LV PANELBOARD TO CHARGING STATION LOCATIONS. REFERENCE CONDUIT AND CONDUCTOR SCHEDULE ON SHEET E2.0 FOR CONDUIT SIZING.
2. ONGOING UTILITY COORDINATION, PRIMARY FAULT CURRENT VALUES HAVE NOT BEEN RECEIVED FROM THE UTILITY AND THUS FAULT CALCULATIONS TO VERIFY EQUIPMENT A.I.C. RATINGS ARE BASED ON INFINITE BUS CALCULATIONS. CURRENT VALUES ON EQUIPMENT PANEL SCHEDULES ARE ESTIMATES ONLY AND WILL BE FINALIZED FOR PERMIT SET.

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https://lni.wa.gov/licensing-permits/electrical/electrical-permits-fees-and-inspections or call for Licensing Information: 1-800-647-0982

GRAPHIC SCALE IN FEET
0 5 10 20
SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE
(30"x42")

NORTH

BUILDING PERMIT NO. PRCTI20251350
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REGISTERED PROFESSIONAL ENGINEER
JAMES S. TIMMONS
STATE OF WASHINGTON
23000541

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SHEET TITLE

ELECTRICAL SITE PLAN

SHEET NUMBER
**E1.0**

SHEET SIZE: 42"x30"

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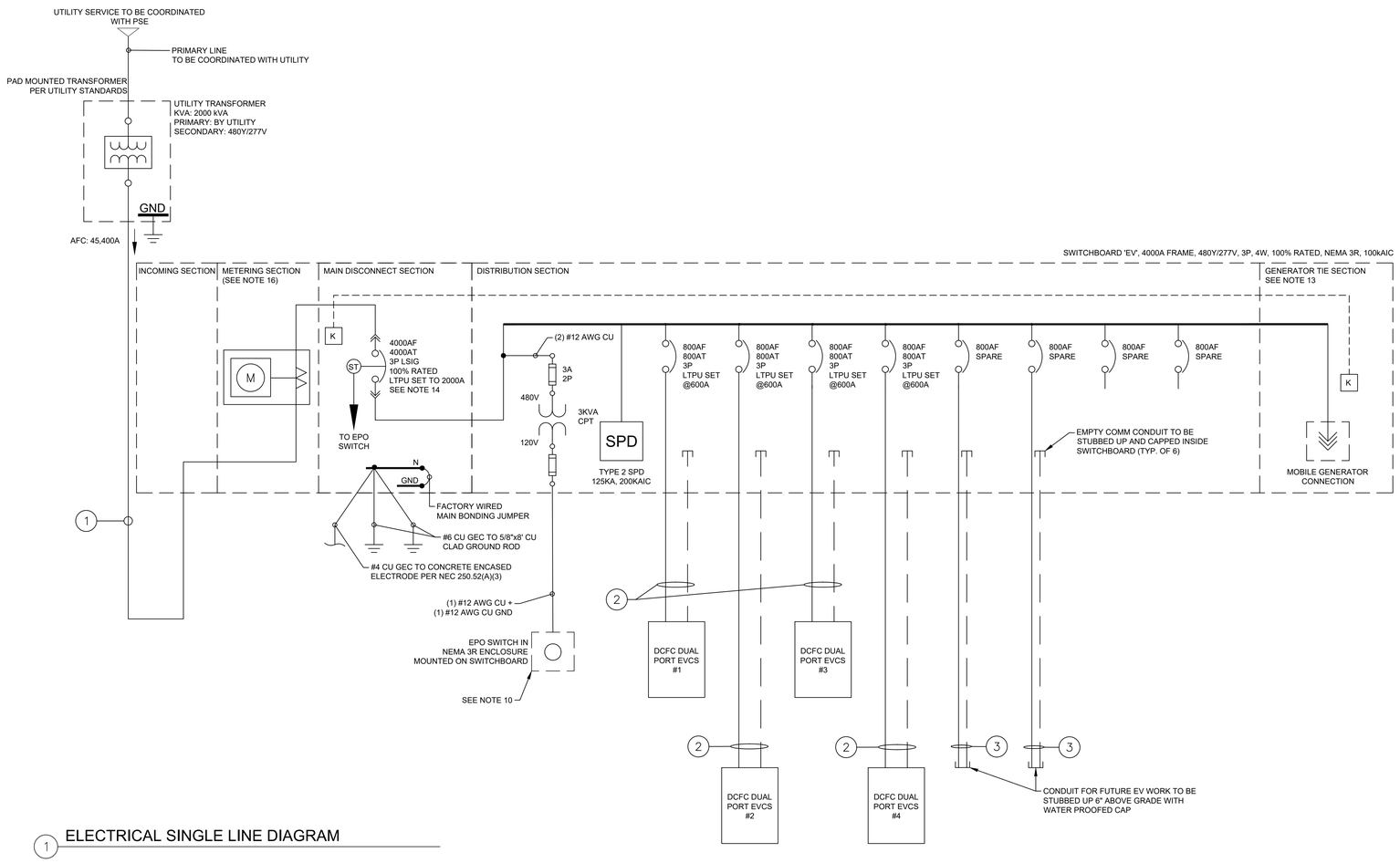


## 1 ELECTRICAL SINGLE LINE DIAGRAM

| LEGEND | |
|---|---|
| M | METER |
| | GROUND |
| | TRANSFORMER |
| | LOW VOLTAGE CIRCUIT BREAKER |
| | LOW VOLTAGE DRAW OUT CIRCUIT BREAKER |
| | CURRENT TRANSFORMER (CT) |
| | POTENTIAL TRANSFORMER (PT) |
| | FUSE |
| | SWITCH |
| K | KIRK KEY INTERLOCK |
| SPD | SURGE PROTECTION DEVICE SEE SWITCHBOARD SPECIFICATIONS FOR DETAIL |
| | GENERATOR CONNECTION MECHANICAL LUGS |

### SINGLE LINE DIAGRAM NOTES

1. LOW VOLTAGE AC CONDUCTORS SHALL BE TYPE THWN CU RATED 75°C. THIS RATING MAY BE SUPERSEDED BY ANY EQUIPMENT SPECIFICATIONS. ANY CHANGE IN MATERIAL SHALL BE CONFIRMED BY ENGINEER.
2. ALL CONDUITS ABOVE GROUND OR SUBJECT TO DAMAGE SHALL BE RIGID GALVANIZED STEEL. ALL CONDUITS UNDERGROUND SHALL BE PVC SCHEDULE 80.
3. FEEDER EQUIPMENT TO BE LISTED FOR OPERATION AT 100% OF RATING VALUE.
4. SWITCHBOARD 'EV' MAIN BREAKER IS REQUIRED TO INCLUDE MAINTENANCE MODE FOR ARC ENERGY REDUCTION IN ACCORDANCE WITH NEC 240.87. LONG, SHORT, INSTANTANEOUS, AND GROUND FAULT EQUIPPED MAIN BREAKER PER NEC 230.95.
5. INSTALLATION SHALL BE IN ACCORDANCE WITH LATEST ADOPTED NATIONAL ELECTRICAL CODE AND BUILDING CODE, CHAPTER 15. THE AHJ HAS FINAL JURISDICTIONAL AUTHORITY ON CODE APPLICATION AND COMPLIANCE.
6. ALL EQUIPMENT SHALL BE INSTALLED BY CONTRACTOR UNLESS OTHERWISE NOTED. ALL MATERIAL SHALL BE IN NEW CONDITION AND APPROVED BY THE ENGINEER.
7. ALL EQUIPMENT SHALL BE UL LISTED.
8. ALL SWITCHBOARDS AND PANELBOARDS SHALL HAVE ARC FLASH WARNING LABELS WITH APPLICABLE INCIDENT ENERGY LEVELS, WORKING DISTANCES, AND REQUIRED PPE IN ACCORDANCE WITH NFPA 70E.
9. EXPOSED NON-CURRENT CARRYING METAL PARTS OF EQUIPMENT AND ENCLOSURES SHALL BE GROUNDED IN ACCORDANCE WITH NEC 250.134 AND 250.136(A).
10. MAIN CIRCUIT BREAKER FOR SWITCHBOARD 'EV' SHALL HAVE CONTRACTOR PROVIDED AND INSTALLED OPERATIONAL 120V SHUNT TRIP RELAY (MODEL #: ABB 1SDA073672R1. OR APPROVED EQUAL) FOR EMERGENCY POWER OFF (EPO) SWITCH. CABLE FROM THE EPO SWITCH SHALL BE CONNECTED TO THE BUILT IN SHUNT TRIP RELAY ON MAIN CIRCUIT BREAKER. SEE EMERGENCY POWER OFF SWITCH WIRING DIAGRAM FOR MORE INFORMATION. CONTRACTOR PROVIDED AND INSTALLED PUSH BUTTON (SAFETY TECHNOLOGY INSTERNATION MODEL # SS2071PO-IN, OR APPROVED EQUAL) SHALL BE MOUNTED ON THE EXTERIOR OF THE SWITCHBOARD IN CLEAR ENCLOSURE (MODEL # KIT-71101-R BLACK BOX, OR APPROVED EQUAL).
11. CONTRACTOR SHALL UTILIZE 4 DIGIT PADLOCK (MASTERLOCK MODEL 975DCOM) AND LOCKBOX (MODEL 5410D) OR APPROVED EQUAL TO LOCK SWITCHBOARD DOORS AND STORE KEYS ONSITE WITHIN THE SWITCHBOARD. 4 DIGIT CODE SHALL BE SET TO STORE NUMBER. IF STORE NUMBER IS A 3 DIGIT NUMBER THEN THE FIRST NUMBER SHOULD BE A 0 FOLLOWED BY STORE NUMBER. IF STORE NUMBER IS A 5 DIGIT NUMBER THEN THE LAST NUMBER SHALL BE LEFT OFF. LOCKBOX SHALL BE PLACED ON THE INTERIOR DOOR OF THE SWITCHBOARD.
12. SWITCHBOARD SHALL BE FURNISHED WITH TYPE 2 SPD HE 125KA PER MODE / 250KA PER PHASE, 200KAIC. SPD FURNISHED WITH LIGHTS, ALARM, FORM C CONTACTS, SURGER COUNTER, AND DISCONNECT SWITCH.
13. CONTRACTOR SHALL PROVIDE AND INSTALL KIRK KEY INTERLOCK COMPONENT FOR GENERATOR TIE SECTION ON DEAD FRONT PANEL. KIRK KEY MODEL TO MATCH MANUFACTURER PROVIDED KIRK KEY PART # TO MATCH KIRK KEY INTERLOCK ON MAIN CIRCUIT BREAKER. KIRK KEY TO BE INSTALLED SO AS TO NOT ALLOW FOR THE MAIN CIRCUIT BREAKER TO BE IN THE ON POSITION WHILE GENERATOR TIE SECTION DEAD FRONT PANEL IS OPEN.
14. MAIN CIRCUIT BREAKER AND ALL BRANCH CIRCUIT BREAKERS LONG-TIME PICKUP SETTING SHALL BE FIELD-ADJUSTED TO THE TRIP SETTING INDICATED ON THE SINGLE LINE DIAGRAM AND APPROVED COORDINATION STUDY. IN ACCORDANCE WITH NEC 240.6(C)(1) FEEDER BREAKER SEALABLE COVERS SHALL BE SEALED WITH TAMPER RESISTANT SECURITY WIRE CABLE SEAL, FURNISHED BY CONTRACTOR. IN ACCORDANCE WITH NEC 240.6(C)(1) MAIN BREAKER SETTING SHALL BE ELECTRONICALLY PASSWORD PROTECTED. CONTRACTOR TO MODIFY MANUFACTURERS DEFAULT SETTING TO THE WALMART 4-DIGIT STORE NUMBER. IF THE STORE NUMBER IS A 3 DIGIT NUMBER THE FIRST DIGIT OF THE PASSWORD SHALL BE SET TO '0'. CONTRACTOR SHALL PROVIDE SIGNED DOCUMENTATION THAT TRIP SETTINGS HAVE BEEN SET PER PROVIDED BREAKER COORDINATION STUDY, CABLE SEAL INSTALLED, AND PASSWORD PROTECTION MODIFIED TO STORE CODE.
15. SWITCHBOARD INTEGRAL THERMOSTAT SHALL BE SET TO 40 DEGREES FAHRENHEIT BY CONTRACTOR UPON INSTALLATION. SWITCHBOARD INTEGRAL HUMIDISTAT SHALL BE SET TO 60% BY CONTRACTOR UPON INSTALLATION.
16. METERING SECTION TO COMPLY WITH ALL UTILITY METERING SPECIFICATIONS AND STANDARDS. CONTRACTOR TO FURNISH AND INSTALL METER SOCKET, ENCLOSURE, AND LUGS. METER SUPPLIER TO FURNISH AND INSTALL METER, SEALS, TEST SWITCHES, AND INSTRUMENT TRANSFORMERS. UTILITY TO FURNISH AND INSTALL WIRING FROM INSTRUMENT TRANSFORMER TO METER SOCKET. UTILITY TO MAKE ALL FINAL CONNECTIONS.

| WIRE AND CONDUIT SCHEDULE | | | | |
|---|---|---|---|---|
| ID | FROM | TO | CONDUCTORS | CONDUIT SIZE PER SET |
| ① | UTILITY TRANSFORMER | SWITCHBOARD 'EV' | 6 SETS OF (4) 500 KCMIL CU [THWN] | 4" C. |
| | | | (2) SPARE CONDUITS FOR FUTURE SERVICE UPGRADES (AS PERMITTED BY UTILITY PROVIDER) | 4" C. |
| ② | SWITCHBOARD 'EV' | DCFC DUAL PORT EVCS | 2 SETS OF (3) 350 KCMIL CU [THWN] + (1) #1 AWG CU GND [THWN] | 3" C. |
| | | | (2) EMPTY CONDUITS FOR FUTURE COMMUNICATIONS | 1" C. |
| ③ | SWITCHBOARD 'EV' | FUTURE EV STUB UP | (2) EMPTY CONDUITS FOR FUTURE EVCS | 3" C. |
| | | | (2) EMPTY CONDUITS FOR FUTURE COMMUNICATIONS | 1" C. |

WIRE AND CONDUIT SCHEDULE NOTES

1. CONDUIT SIZE INDICATED ON SCHEDULE ARE MINIMUM REQUIRED SIZES. LARGER SIZES MAY BE INSTALLED AS NEEDED.
2. CONDUITS UNDERGROUND SHALL BE PVC, CONDUITS ABOVE GROUND SHALL BE EMT, AND CONDUITS EXPOSED TO DAMAGE OR GENERAL PUBLIC SHALL BE RGS.
3. ALL PRIMARY AND SECONDARY CONDUCTORS AND CONDUIT SHALL BE INSTALLED PER UTILITY CONSTRUCTION STANDARDS. CONTRACTOR SHALL REVIEW FINAL UTILITY PROVIDED DESIGN BEFORE CONSTRUCTION.

## 2 WIRE AND CONDUIT SCHEDULE

**Switchboard 'EV' Schedule**

Volts: 480Y/277V Phase: 3 Wire: 4 Hertz: 60

4000A MCB (2000A LTPU) Main AIC: 100K Branch AIC: 100K ENCL. (NEMA): 3R MTG: Pad

4000 Amp Frame , Ground Bar, Panel Card.

| Description of Load Served | Breaker Amp | Breaker Pole | Wire | KVA/Phase A | KVA/Phase B | KVA/Phase C | CKT No. | CKT No. | KVA/Phase A | KVA/Phase B | KVA/Phase C | Wire | Breaker Amp | Breaker Pole | Description of Load Served |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EVCS DUAL PORT DISPENSER #1 | 600 | 3 | 350 KCMIL (CU) | 133.3 | | | 1 | 2 | 133.3 | | | 350 KCMIL (CU) | 600 | 3 | EVCS DUAL PORT DISPENSER #2 |
| | | | | | 133.3 | | 3 | 4 | | 133.3 | | | | | |
| | | | | | | 133.3 | 5 | 6 | | | 133.3 | | | | |
| EVCS DUAL PORT DISPENSER #3 | 600 | 3 | 350 KCMIL (CU) | 133.3 | | | 7 | 8 | 133.3 | | | 350 KCMIL (CU) | 600 | 3 | EVCS DUAL PORT DISPENSER #4 |
| | | | | | 133.3 | | 9 | 10 | | 133.3 | | | | | |
| | | | | | | 133.3 | 11 | 12 | | | 133.3 | | | | |
| SPARE FOR FUTURE EVCS | 600 | 3 | - | - | | | 13 | 14 | - | | | - | 600 | 3 | SPARE FOR FUTURE EVCS |
| | | | | | - | | 15 | 16 | | - | | | | | |
| | | | | | | - | 17 | 18 | | | - | | | | |
| SPACE | - | - | - | - | | | 19 | 20 | - | | | - | - | - | SPACE |
| | | | | | - | | 21 | 22 | | - | | | | | |
| | | | | | | - | 23 | 24 | | | - | | | | |
| SPACE | - | - | - | - | | | 25 | 26 | - | | | - | - | - | SPACE |
| | | | | | - | | 27 | 28 | | - | | | | | |
| | | | | | | - | 29 | 30 | | | - | | | | |
| | Total A/Phase | | | 266.7 | 266.7 | 266.7 | | | 266.7 | 266.7 | 266.7 | | Total A/Phase | | |

Notes:
1. Connected KVA: 1600.0
2. Demand KVA: **1600.0**
3. Demand Amps: **1924.5**

## 3 SWITCHBOARD LOAD SCHEDULE

BUILDING PERMIT NO. PRCT120251350
CIVIL PERMIT NO. PRCCP20251408

Kimley»Horn
1201 THIRD AVE, STE. 2800,
SEATTLE, WA 98103
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CONSULTANTS

FOREST S. TURNER — STATE OF WASHINGTON — 25002341 — REGISTERED PROFESSIONAL ENGINEER
SIGNED: 02/05/2026

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SHEET TITLE
SINGLE LINE DIAGRAM

SHEET NUMBER
**E2.0**

SHEET SIZE: 42"x30"

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LABEL NOTES:

1. PLACE LABEL IN A VISIBLE LOCATION: SWITCHGEAR (METER COMPARTMENT)
2. RED BACKGROUND, WHITE LETTERING
3. TEXT: MIN. 3/8" LENGTH AND 1/8" HEIGHT, ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON-BOLD
4. MATERIAL NOTE: PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING
5. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS OR LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT.
6. ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS.

## METER LABEL

SCALE N.T.S. 1

LABEL NOTES:

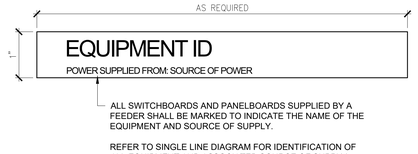
1. PLACE LABEL IN A VISIBLE LOCATION: SWITCHGEAR
2. RED BACKGROUND, WHITE LETTERING
3. TEXT: MIN. 3/8" LENGTH AND 1/8" HEIGHT, ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON-BOLD
4. MATERIAL NOTE: PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING.
5. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS OR LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT.
6. ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS.
7. APPLICABLE NEC SECTIONS: NEC 110.22.

## MAIN CIRCUIT BREAKER LABEL

SCALE N.T.S. 2

LABEL NOTES:

1. PLACE LABEL ON FRONT OF EQUIPMENT IN VISIBLE LOCATION: SUPERCHARGER CABINETS, SWITCHBOARDS, PANELS, AND METERING ENCLOSURES.
2. RED BACKGROUND, WHITE LETTERING
3. TEXT: MIN. 3/8" LENGTH AND 1/8" HEIGHT, ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON-BOLD
4. MATERIAL NOTE: PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING.
5. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS OR LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT.
6. ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS.
7. APPLICABLE NEC SECTIONS: NEC 408.4(B)




## EQUIPMENT IDENTIFICATION LABEL

SCALE N.T.S. 3

LABEL NOTES:

1. PLACE LABEL IN A VISIBLE LOCATION ON SWITCHGEAR
2. RED BACKGROUND, WHITE LETTERING
3. TEXT: MIN. 3/8" LENGTH AND 1/8" HEIGHT, ALL CAPITAL LETTERS ARIAL OR SIMILAR FONT, NON-BOLD
4. MATERIAL NOTE: PLACARDS TO BE MADE OF RED PHENOLIC PLASTIC W/ 1" WHITE LETTERING.
5. ATTACH PLACARDS WITH RIVETS OR SELF-TAPPING SCREWS OR LAMINATE WITH ADHESIVE BACKING SUITABLE FOR THE ENVIRONMENT.
6. ADDITIONAL PLACARDS REQUIRED FOR ARC FLASH LABELS.

## AVAILABLE FAULT CURRENT LABEL

SCALE N.T.S. 4

LABEL NOTES:

1. TYPICAL LABEL SHOWN, ARC FLASH LABELS TO BE PROVIDED FOR ALL ELECTRICAL EQUIPMENT INCLUDING, SWITCHGEAR, PANELBOARDS, AND CHARGING CABINETS
2. 4"X4" LABEL MAY BE USED AS AN ALTERNATE
3. "WARNING" HEADING FOR INCIDENT ENERGY < 40 CAL/CM²
   "DANGER" HEADING FOR INCIDENT ENERGY > 40CAL/CM²
4. VALUES IN BRACKETS WILL BE UPDATED ACCORDING TO THE RESULTS OF THE ARC FLASH HAZARD ANALYSIS
5. PLACE LABEL ON EQUIPMENT DESIGNATED IN THE ARC FLASH HAZARD ANALYSIS
6. LABELS SHALL BE PROVIDED IN PDF FORMAT TO CONTRACTOR
7. MATERIAL: WEATHER AND UV RESISTANT VINYL WITH DURABLE ADHESIVE SUITABLE FOR THE ENVIRONMENT
8. APPLICABLE NEC SECTIONS: NEC 110.16

**DANGER!**

ARC FLASH AND SHOCK HAZARD PRESENT
APPROPRIATE PPE REQUIRED

| | | |
|---|---|---|
| ARC FLASH BOUNDARY | [XX] FT | MIN. PPE REQUIRMENTS |
| INCIDENT ENERGY | [X.XX] CAL/CM² | [ DESCRIPTION ] |
| WORKING DISTANCE | [XX] IN | [ DESCRIPTION ] |
| | | [ DESCRIPTION ] |
| SHOCK HAZARD EXPOSURE | [XXX] VAC | [ DESCRIPTION ] |
| INSULATING GLOVE CLASS | [XX] | [ DESCRIPTION ] |
| SHOCK HAZARD WHEN COVERS REMOVED | | |
| LIMITED APPROACH BOUNDARY | [X.X] FT | |
| RESTRICTED APPROACH BOUNDARY | [XX] FT | |
| EQUIPMENT: [EQUIPMENT ID] | | |

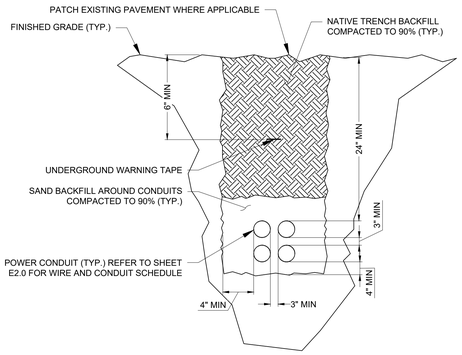
CHANGES IN EQUIPMENT SETTINGS OR SYSTEM CONFIGURATION WILL INVALIDATE THE CALCULATED VALUES AND PPE REQUIREMENTS WHICH MAY RESULT IN A HAZARDOUS CONDITION

DATE: [MM-DD-YYYY]

## ARC FLASH HAZARD LABEL

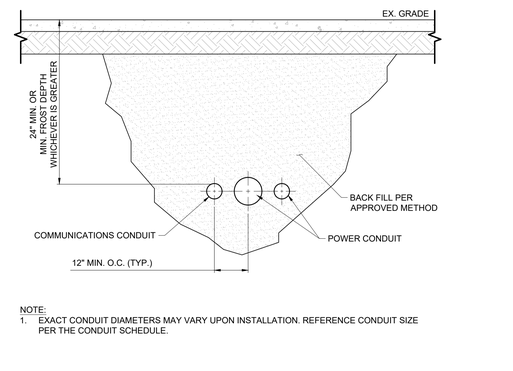
SCALE N.T.S. 5

NOTE:
1. TYPICAL TRENCH DETAIL IS NOT REPRESENTATIVE OF SITE SPECIFIC QUANTITY OR SIZE OF CONDUITS. DETAIL INTENT IS TO SHOW REQUIRED COVER, BACKFILL, AND SPACING. REFER TO CONDUIT SCHEDULE FOR CONDUIT SIZE AND QUANTITY.




## TYPICAL POWER TRENCH

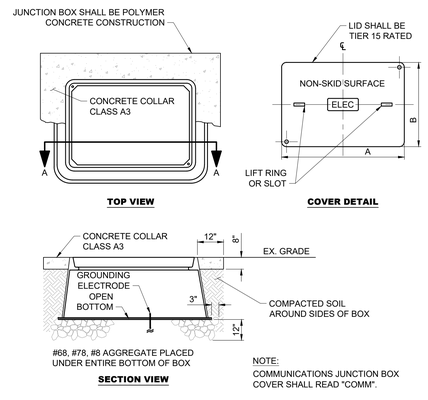
SCALE N.T.S. 6




NOTE:
1. EXACT CONDUIT DIAMETERS MAY VARY UPON INSTALLATION. REFERENCE CONDUIT SIZE PER THE CONDUIT SCHEDULE.

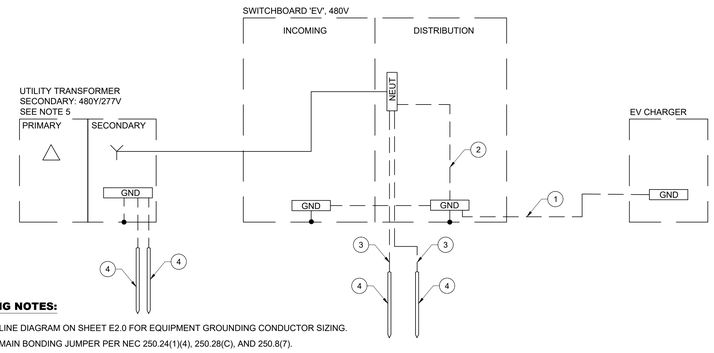
## CONDUIT BORE

SCALE N.T.S. 7




## NON-TRAFFIC RATED JUNCTION BOX

SCALE N.T.S. 8

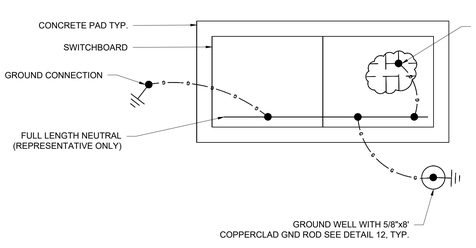



**GROUNDING NOTES:**

1. SEE ONE-LINE DIAGRAM ON SHEET E2.0 FOR EQUIPMENT GROUNDING CONDUCTOR SIZING.
2. PROVIDE MAIN BONDING JUMPER PER NEC 250.24(1)(4), 250.28(C), AND 250.8(7).
3. SEE ONE-LINE DIAGRAM ON SHEET E2.0 FOR GROUNDING ELECTRODE CONDUCTOR SIZING.
4. GROUNDING ELECTRODE CONDUCTOR TO BE BONDED PER NEC 250.52(A)(5), 250.53(A), AND 250.68.
5. GROUND ROD AND GROUND ELECTRODE CONDUCTOR FOR UTILITY TRANSFORMER SHALL HAVE MINIMUM SIZING PER NEC 250.52(A)(5), 250.53(A) AND 250.68 AND MEET ALL UTILITY GROUNDING REQUIREMENTS.

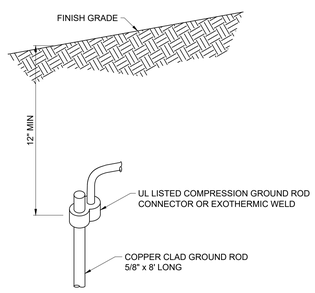
## EQUIPMENT GROUNDING DIAGRAM

SCALE N.T.S. 9



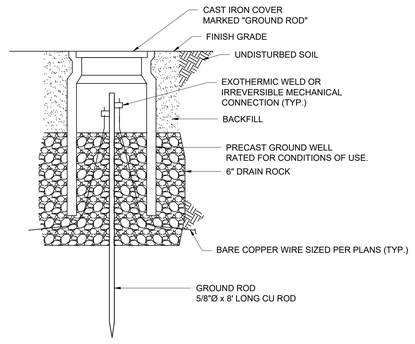

## SWITCHBOARD GROUNDING PLAN

SCALE N.T.S. 10



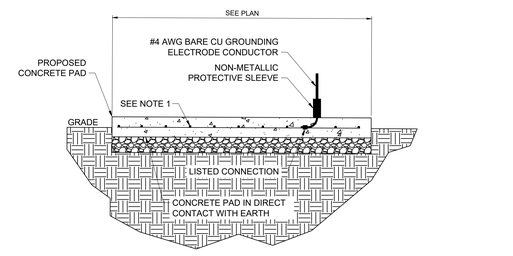

## GROUND ROD

SCALE N.T.S. 11




## GROUND ROD WELL

SCALE N.T.S. 12



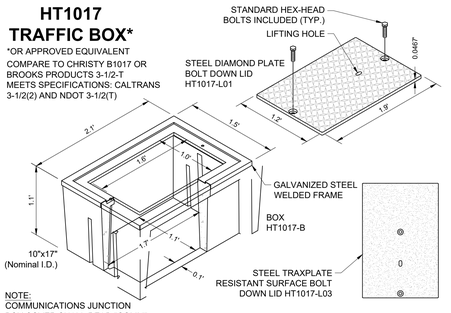

NOTE:
1. REBAR BONDED TOGETHER WITH STEEL TIE WIRES OR EXOTHERMIC WELDING

## CONCRETE ENCASED ELECTRODE

SCALE N.T.S. 13

## HT1017 TRAFFIC BOX*

*OR APPROVED EQUIVALENT
COMPARE TO CHRISTY B1017 OR BROOKS PRODUCTS 3-1/2-T
MEETS SPECIFICATIONS: CALTRANS 3-1/2(2) AND NDOT 3-1/2(T)




NOTE:
COMMUNICATIONS JUNCTION BOX COVER SHALL READ "COMM".

| PART NO. | PRODUCT | DESCRIPTION | APPROX. WEIGHT | QTY. PER PALLET |
|---|---|---|---|---|
| HT1017-B | BOX | 10"x17"x12" Concrete Traffic Rated Box (Comes Standard With Hex Bolts) | 125 | 20 |
| HT1017-E | EXTENSION | 10"x17"x12" Concrete Extension | 126 | 20 |
| HT1017-L01 | LID | Steel Diamond Plate Bolt Down Lid | 38 | |
| HT1017-L03 | LID | Steel Traxplate Bolt Down Slip Resistant Cover | 38 | |

## TRAFFIC RATED JUNCTION BOX

SCALE N.T.S. 14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SEATTLE, WA 98101
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KIMLEY-HORN PROJECT NO.: 094307004

EV STALLS: 8

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CONSULTANTS

SIGNED: 02/05/2026

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SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER

**E3.0**

SHEET SIZE: 42"x30"


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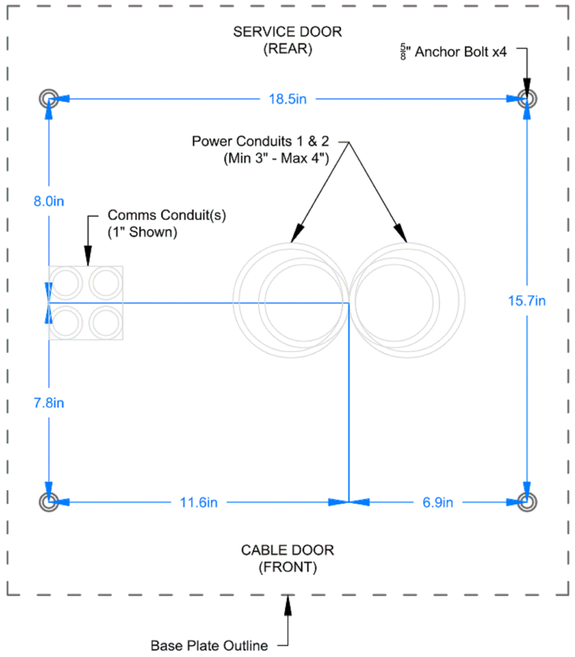
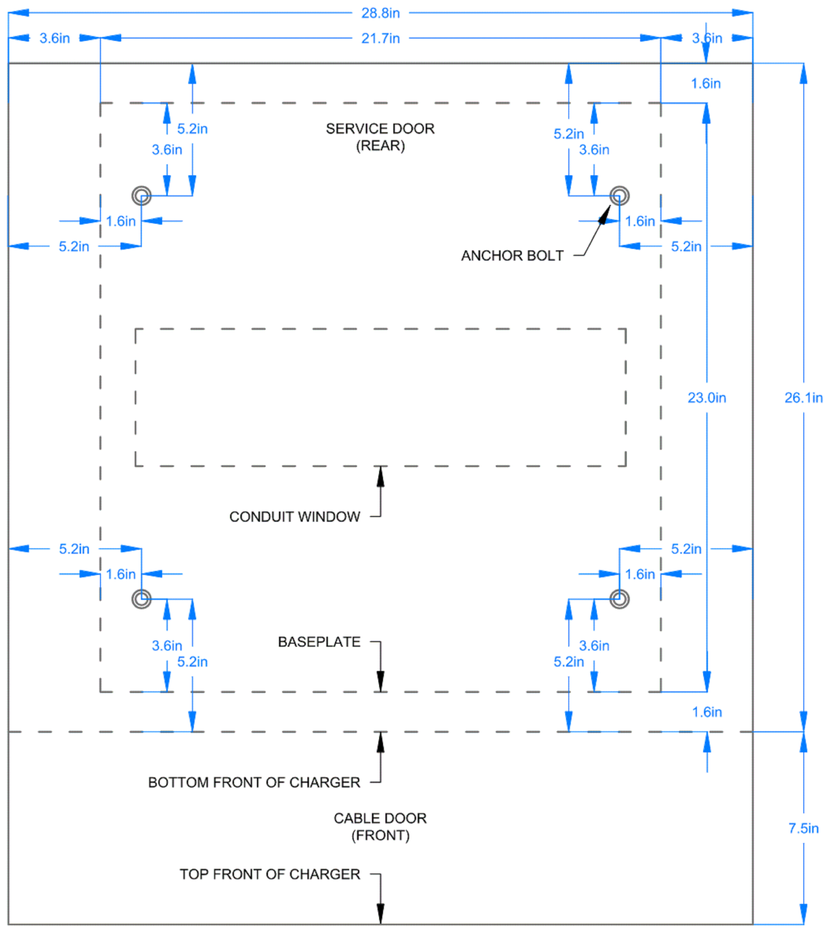
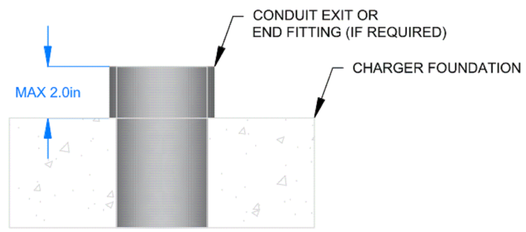
## HYC400 BASEPLATE DIMENSION AND CONDUIT ENTRY LOCATION




## HYC400 BASEPLATE DIMENSION INSIDE CHARGER HOUSING




## CONDUIT HEIGHT REQUIREMENT




NOTE: TO MEET BEND RADIUS REQUIREMENTS, TOP OF CONDUIT SHALL BE LESS THAN 2" ABOVE CHARGER FOUNDATION. IF REQUIRED, CONDUIT END FITTING SHOULD BE FLUSH WITH CONCRETE.

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| Created by | L.Rosevear | 11.01.2024 |
| Reviewed by | | |
| Checked by | | |
| Approved by | | |

Projection method 1 DIN ISO 128-30 | General tolerances DIN ISO 2768-mK | Edges ISO 13715 | Surface ISO 1302 Rz 16

Material:

Surface treatment:

Description:
HYC400 Baseplate Dimensions and Conduit Window

Drawing no.: | Weight [g]: | Size: - | Scale: -

Parts must be free of visible defects, contaminants and provided clean and dry. For missing dimensions and/or specifications please see the CAD model.
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**ALPITRONIC HYC400 - BASE PLATE DIMENSIONS AND CONDUIT WINDOW (BY OTHERS)**

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STORE NO.: WALMART SUPERCENTER #2403.1006

KIMLEY-HORN PROJECT NO.: 094307884

EV STALLS: 8

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SHEET TITLE

ELECTRICAL DETAILS

SHEET NUMBER
**E3.2**

SHEET SIZE: 42"x30"

Walmart

**PROJECT NUMBER: 094507884**

# LANDSCAPE PLANS FOR ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

WALMART SUPERCENTER #2403.1006
310 31ST AVE SE -EV
PUYALLUP, WA 98374

## SITE INFORMATION

**PROJECT LEAD:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: TALIA LEONARD, P.E.
PHONE: (615) 564-2861
EMAIL: TALIA.LEONARD@KIMLEY-HORN.COM

**POWER COMPANY:**
PUGET SOUND ENERGY
CONTACT: DANIELLE RICKETT
PHONE: (253)-290-2528
EMAIL: DANIELLE.RICKETT@PSE.COM

**SURVEYOR:**
PBLA
CONTACT: CARLOS UREÑA, L.S. 53443
PHONE: (888) 714-9642
EMAIL: C.UREÑA@PBLA.BIZ

**GENERAL CONTRACTOR:**
TBD
CONTACT: TBD
PHONE: TBD
EMAIL: TBD

**PROPERTY OWNER:**
WALMART
CONTACT: KATHRYN STURGILL
PHONE: (479) 883-4644
EMAIL: KATHRYN.STURGILL@WALMART.COM

**EV SITE ADDRESS:**
310 31ST AVE SE -EV
PUYALLUP, WA 98374

**ASSESSOR PARCEL NUMBER (APN):**
0419033050

**COUNTY:**
PIERCE COUNTY

**LATITUDE (NAD83):**
47.161090

**LONGITUDE (NAD83):**
-122.288830

## BENCHMARK & BASIS OF BEARING

**BENCHMARK:** WASHINGTON DEPARTMENT OF TRANSPORTATION STATION "GP27512-17"
MONUMENT ID: 244
ELEVATION: 409.950 US SURVEY FEET (DATUM NAVD 1988 - DATE: 12/29/2016)

**BASIS OF BEARING:**
THE VERTICAL DATUM FOR THIS PROJECT IS THE WASHINGTON STATE PLANE COORDINATE SYSTEM NAD83 SOUTH ZONE, US SURVEY FOOT. NAD83/91

## ZONING INFORMATION

| | |
|---|---|
| PERMITTING JURISDICTION: | CITY OF PUYALLUP |
| ZONING CLASS: | URBAN CENTER MIXED USE |
| OVERLAY DISTRICT: | MX-DRO |
| CURRENT USE: | 5320 - DISCOUNT STORES |
| PROPOSED USE: | 5320 - DISCOUNT STORES |

## GEOTECHNICAL NOTE

THESE DRAWINGS WERE PRODUCED WITHOUT THE BENEFIT OF A CURRENT GEOTECHNICAL REPORT, CONTRACTOR SHALL VERIFY ALL EXISTING SITE CONDITIONS TO BE IN CONFORMANCE WITH THE CURRENT GEOTECHNICAL REPORT AND NOTIFY ENGINEER AND PROJECT TEAM OF ANY DISCREPANCIES PRIOR TO THE SCHEDULING OF ANY SITE DISTURBANCE ACTIVITIES.

## FLOOD HAZARD AREA NOTE

THE PROPERTY SHOWN HEREON IS LOCATED IN ZONE X, AN AREA OF MINIMAL FLOOD HAZARD AND 0.2% ANNUAL CHANCE FLOOD; ZONE A, & ZONE AE, AN AREA DETERMINED TO BE 1% ANNUAL CHANCE FLOOD, AS GRAPHICALLY SHOWN ON FIRM MAP COMMUNITY PANEL NUMBER 53053C0341E, EFFECTIVE DATE 03/07/2017.

## APPLICABLE CODES

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE PUYALLUP MUNICPAL CODES:
- CHAPTER 20.58 - LANDSCAPING REQUIREMENTS
- CHAPTER 20.26 - DESIGN REVIEW STANDARDS

**NOTE:**
IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL.

## CONTRACTOR NOTE

- CONTRACTOR SHALL COMPLETE INSTALL PER THE SIGNED AND THE SEALED SET OF DRAWINGS. ANY NECESSARY DEVIATIONS FROM THE DRAWINGS MUST BE SUBMITTED THROUGH AN RFI REQUEST PROCESS WITH ENGINEERING FOR AN APPROVAL PRIOR TO CONTRACTOR PROCEEDING WITH A DEVIATION OF THE SIGNED AND SEALED SET OF DRAWINGS.
- CONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE THEN IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

811 Know what's below. Call before you dig.

**CAUTION!!**
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

| SHEET INDEX | |
|---|---|
| SHEET NUMBER | SHEET TITLE |
| L0.0 | COVER SHEET |
| L1.0 | MATERIAL PLAN |
| L2.0 | SOIL PLAN |
| L3.0 | IRRIGATION NOTES AND SCHEDULES |
| L3.1 | IRRIGATION PLAN |
| L4.0 | PLANTING NOTES AND SCHEDULE |
| L4.1 | PLANTING PLAN |
| L5.0 | IRRIGATION DETAILS |
| L5.1 | PLANTING DETAILS |

## ENGINEER(S) OF RECORD

**CIVIL ENGINEER:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: TALIA LEONARD, P.E.
PHONE: (615) 564-2861
EMAIL: TALIA.LEONARD@KIMLEY-HORN.COM

**ELECTRICAL ENGINEER:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: SHAWN RAINEY, P.E.
PHONE: (510) 350-0232
EMAIL: SHAWN.RAINEY@KIMLEY-HORN.COM

**LANDSCAPE ARCHITECT:**
KIMLEY-HORN & ASSOCIATES, INC.
CONTACT: ALAN MCWAIN, PLA
PHONE: (206) 536-2735
EMAIL: ALAN.MCWAIN@KIMLEY-HORN.COM

PRCTI20251350

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STORE NO.: WALMART SUPERCENTER #2403.1006

EV STALLS: 8

KIMLEY-HORN PROJECT NO: 094507884

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CONSULTANTS

STATE OF WASHINGTON
ALAN R. MCWAIN
REGISTERED LANDSCAPE ARCHITECT
02-04-26

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COVER SHEET

SHEET NUMBER
**L0.0**

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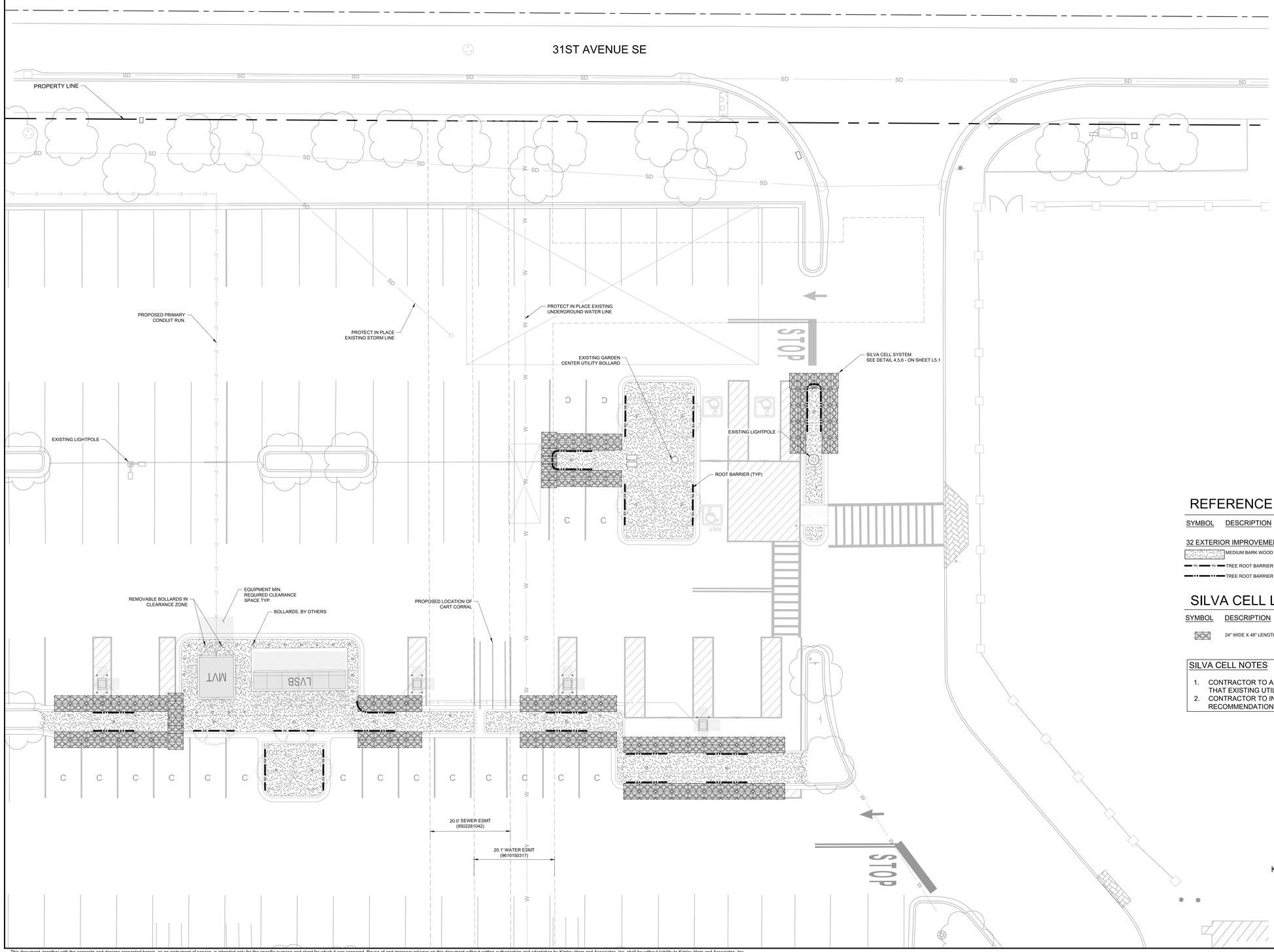


## REFERENCE NOTES SCHEDULE

| SYMBOL | DESCRIPTION | QTY | DETAIL |
|---|---|---|---|
| **32 EXTERIOR IMPROVEMENTS** | | | |
| | MEDIUM BARK WOOD MULCH OR APPROVED EQUAL, APPLIED AT 3" DEPTH | 23.7 CY | |
| | TREE ROOT BARRIER 24" DEPTH | 80 LF | |
| | TREE ROOT BARRIER 12" DEPTH | 174 LF | |

## SILVA CELL LEGEND

| SYMBOL | DESCRIPTION | QTY | DETAIL |
|---|---|---|---|
| | 24" WIDE X 48" LENGTH X 16.7" HEIGHT SILVA CELL FRAMES | 160 | DETAILS 4,5,6 - ON SHEET L5.1 |

### SILVA CELL NOTES

1. CONTRACTOR TO ASSEMBLE SILVA CELLS AROUND EXISTING UTILITIES SO THAT EXISTING UTILITIES ARE ROUTED THROUGH THE PROPOSED SILVA CELLS.
2. CONTRACTOR TO INSTALL SILVA CELLS PER MANUFACTURER RECOMMENDATIONS.

811 Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET
0 5 10 20
SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE (30"x42")

NORTH

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SHEET TITLE
MATERIAL PLAN

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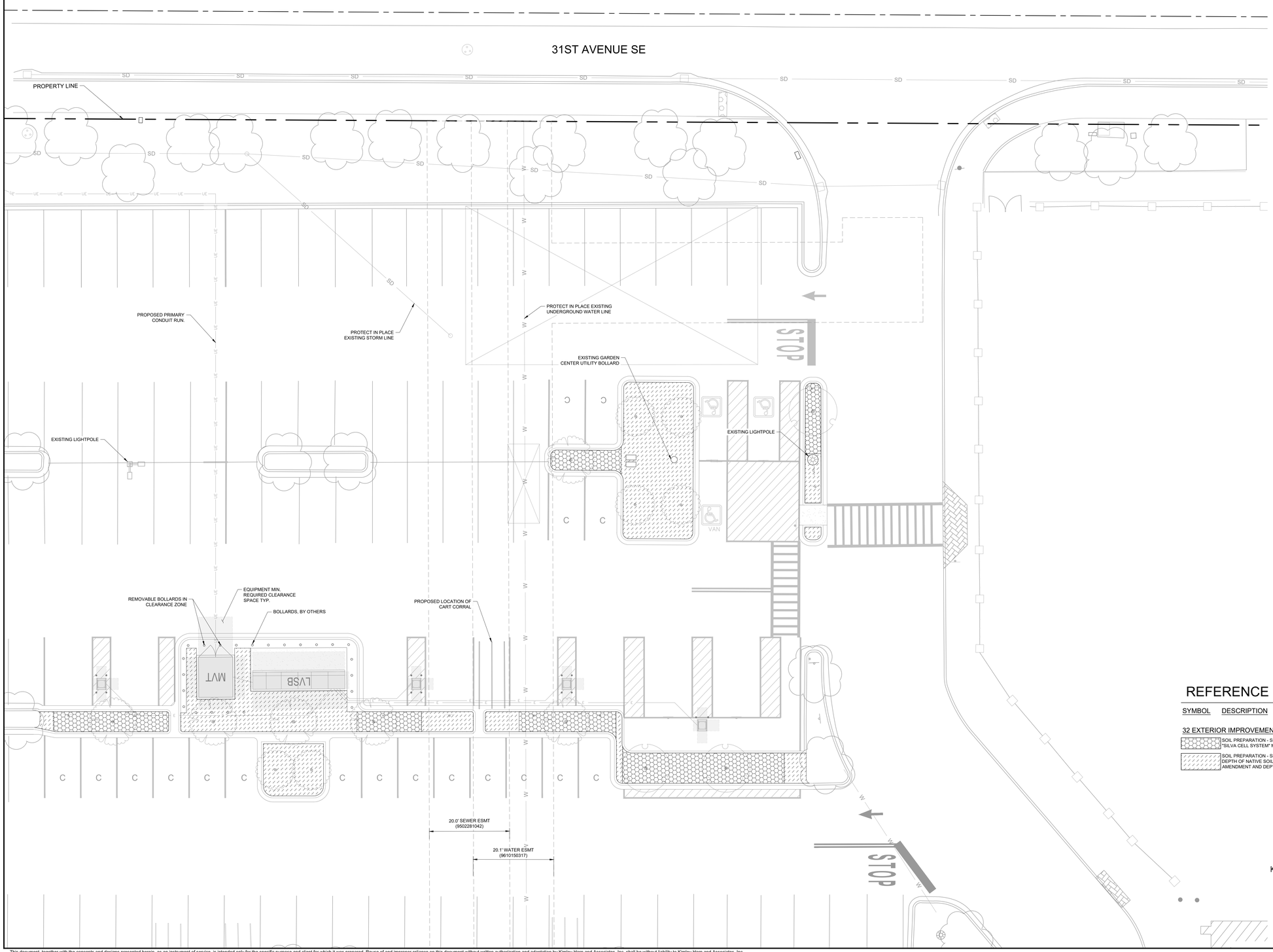


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## REFERENCE NOTES SCHEDULE

| SYMBOL | DESCRIPTION | QTY | DETAIL |
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| **32 EXTERIOR IMPROVEMENTS** | | | |
| | SOIL PREPARATION - SILVA CELL AREAS: PREPARE AND IMPORT SOIL PER "SILVA CELL SYSTEM" MANUFACTURER SPECIFICAITONS . | | 4/L5.1 |
| | SOIL PREPARATION - SHRUBS: 3" OF IMPORTED COMPOST TILLED INTO 8" DEPTH OF NATIVE SOIL. AMENDED SOIL PER CITY OF PUYALLUP "SOIL AMENDMENT AND DEPTH" STANDARD DETAIL. | 14.7 CY | 2/L5.1 |

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SCALE: 1" = 10'
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SOIL PLAN

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# IRRIGATION SPECIFICATIONS

## 1. SCOPE OF WORK

1.1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THESE PLANS.

1.2. INSTALL THE IRRIGATION SYSTEM TO PROVIDE 100% UNIFORM COVERAGE INCLUDING ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS. ALL FIELD CHANGES SHALL BE IN ACCORDANCE WITH THESE PLANS. ANY SYSTEMS THAT REQUIRE FIELD ADJUSTMENT TO PROVIDE FULL AND UNIFORM COVERAGE SHALL BE MADE PRIOR TO FINAL ACCEPTANCE AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE AT NO ADDITIONAL COST.

1.3. SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. SEND COPIES OF THE PERMIT(S) TO THE OWNER'S REPRESENTATIVE. FOR WORK LOCATED IN THE R.O.W., CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE AGENCY HAVING JURISDICTION.

1.4. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.

## 2. PROTECTION OF EXISTING AND PROPOSED SITE ELEMENTS

2.1. ALL EXISTING SITE ITEMS, ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2.2. MAINTAIN ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

2.3. WHERE APPLICABLE, SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AGENCY STANDARDS UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF DOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

2.4. LOCATE ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO CONSTRUCTION ACTIVITIES. THE INFORMATION AND DATA SHOWN WITH RESPECT TO UTILITIES IS APPROXIMATE. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION, THE SAFETY AND PROTECTION THEREOF; AND REPAIRING ANY DAMAGE RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. NOTIFY THE LANDSCAPE ARCHITECT IN WRITING WHEN ANY CONFLICT BETWEEN UTILITIES AND THESE PLANS EXIST PRIOR TO INSTALLATION.

## 3. SUBMITTALS

3.1. SUBMIT FULL AND COMPLETE SHOP DRAWINGS OF ALL IRRIGATION EQUIPMENT AS SHOWN ON THESE PLANS TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

3.2. SUBMIT PRODUCT DATA SHEETS FOR ALL IRRIGATION EQUIPMENT TO BE INSTALLED TO OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THE IRRIGATION SYSTEM, AS SHOWN ON THESE PLANS, HAS BEEN DESIGNED AND CALCULATED WITH THE EQUIPMENT AS SPECIFIED. SUBMIT ANY REQUEST FOR PRODUCT SUBSTITUTION(S) IN WRITING. IF APPROVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY MODIFICATION(S) AS A RESULT OF PRODUCT SUBSTITUTIONS TO THE IRRIGATION SYSTEM IN THE SHOP DRAWINGS TO MEET THE DESIGN INTENT OF THESE PLANS.

## 4. EQUIPMENT LIST

4.1. ALL QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.

## 5. POINT OF CONNECTION

5.1. FIELD VERIFY ALL POINT OF CONNECTION SOURCE INFORMATION INCLUDING STATIC PSI AND GPM AVAILABLE PRIOR TO CONSTRUCTION. NOTIFY OWNER'S REPRESENTATIVE IN WRITING IF DISCREPANCIES BETWEEN THE FLOW AND PRESSURE AS LISTED IN THE CRITICAL ANALYSIS AND THE FIELD CONDITIONS EXIST.

5.2. COORDINATE INSTALLATION OF ANY METERS AND BACKFLOW ASSEMBLIES WITH THE AGENCY HAVING JURISDICTION AND OWNER'S REPRESENTATIVE.

## 6. MAINLINE INSTALLATION

6.1. INSTALL ALL MAINLINES AND LATERALS UNDER PAVEMENT WITHIN SLEEVES. WHERE VALVE CONTROL LINES PASS THROUGH A SLEEVE WITH OTHER MAIN OR LATERAL LINES, CONTAIN WIRES WITHIN A SEPARATE, SMALLER CONDUIT.

6.2. INSTALL COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARLY NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW" ABOVE THE FULL LENGTH OF THE IRRIGATION MAINLINE.

6.3. WHERE MAINLINE RUNS PARALLEL TO PAVEMENT OR CURBING, OFFSET THE MAINLINE 24" FROM THE EDGE OF PAVEMENT OR CURB.

6.4. PERFORM HYDROSTATIC PRESSURE TESTING AS FOLLOWS:

6.4.1. AFTER FLUSHING, AND THE INSTALLATION OF VALVES CONDUCT THE FOLLOWING TESTS IN THE SEQUENCE LISTED BELOW. FURNISH ALL EQUIPMENT, MATERIALS AND LABOR NECESSARY TO PERFORM THE TESTS. CONDUCT ALL TESTS IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE. NOTIFY THE OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING.

6.4.2. PERFORM WATER PRESSURE TESTS ON ALL PRESSURE MAIN LINES BEFORE ANY COUPLINGS, FITTINGS, VALVES AND THE LIKE ARE CONCEALED.

6.4.3. IMMEDIATELY PRIOR TO TESTING, PURGE ALL IRRIGATION LINES OF ALL ENTRAPPED AIR OR DEBRIS BY ADJUSTING CONTROL VALVES AND INSTALLING TEMPORARY CAPS FORCING WATER AND DEBRIS TO BE DISCHARGED FROM A SINGLE OUTLET.

6.4.4. TEST ALL PRESSURE MAIN LINE AT 150 PSI FOR A MINIMUM OF FOUR (4) HOURS WITH AN ALLOWABLE LOSS OF 5 PSI. PRESSURE AND GAUGES SHALL BE READ IN PSI, AND CALIBRATED SUCH THAT ACCURATE DETERMINATION OF POTENTIAL PRESSURE LOSS CAN BE ASCERTAINED.

6.4.5. RE-TEST AS REQUIRED UNTIL THE SYSTEM MEETS THE REQUIREMENTS. REPAIR ANY LEAKS, WHICH OCCUR DURING TEST PERIOD, IMMEDIATELY FOLLOWING THE TEST.

6.4.6. PROVIDE DOCUMENTATION STATING THE WEATHER CONDITIONS, DATE, THE START TIME AND INITIAL WATER PRESSURE READINGS, THE FINISH TIME AND FINAL WATER PRESSURE READINGS AND THE TYPE OF EQUIPMENT USED TO PERFORM THE TEST. THE DOCUMENTATION MUST BE SIGNED BY A WITNESS ACCEPTABLE TO THE OWNER, VERIFYING ALL OF THE ABOVE-MENTIONED CONDITIONS.

6.4.7. SUBMIT A WRITTEN REPORT OF THE PRESSURE TESTING RESULTS WITH THE OTHER ABOVE REQUIRED INFORMATION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL.

## 7. IRRIGATION VALVES AND WIRING

7.1. LOCATE ALL VALVES, SPLICES WITHIN CONTROL LINES, QUICK COUPLERS, AND HOSE BIBBS WITHIN VALVE BOXES. PROVIDE PURPLE VALVE BOX LIDS FOR SYSTEMS UTILIZING A NON-POTABLE WATER SOURCE.

7.2. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO THE VALVE DESIGNATIONS.

7.3. WHEN POSSIBLE, LOCATE ALL VALVES IN PLANTING BEDS A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

7.4. SEPARATE IRRIGATION ZONES FOR HIGH AND LOW WATER USE REQUIREMENTS AND OPERATED ON DIFFERENT WATERING CYCLES. AT NO TIME SHALL MULTIPLE IRRIGATION HEAD TYPES BE LOCATED ON THE SAME VALVE UNLESS NOTED OTHERWISE.

7.5. INSTALL ALL DRIP ZONES WITH A FLUSH VALVE AND AIR RELIEF VALVE. IN THE EVENT THAT A DRIP ZONE HAS MORE THAN ONE HIGH OR LOW POINT, MORE THAN ONE AIR RELIEF VALVE OR FLUSH VALVE WILL BE REQUIRED FOR THAT ZONE.

7.6. FOLLOW MANUFACTURER'S SPECIFICATIONS FOR ALL WIRING FOR CONNECTION OF THE VALVES TO THE CONTROLLER. ALL WIRE RUNS SHALL BE CONTINUOUS WITH SPLICING OCCURRING IN VALVE BOXES ONLY. WIRE CONNECTIONS SHALL BE MADE USING DBR/Y-6 CONNECTIONS OR APPROVED EQUAL.

7.7. INSTALL VALVE CONTROL WIRING IN THE SAME TRENCH AS THE MAINLINE WHERE PRACTICAL.

7.8. FOR NON TWO-WIRE SYSTEMS, RUN TWO (2) SPARE VALVE CONTROL WIRES FROM THE CONTROLLER ALONG THE ENTIRE MAINLINE TO LAST REMOTE CONTROLLED VALVE ON EACH AND EVERY LEG OF MAINLINE.

## 8. PIPES AND SLEEVING

8.1. DO NOT INSTALL IRRIGATION SYSTEM THROUGH PRESERVED PLANT COMMUNITIES, DRIPLINE OF EXISTING TREES, OR WITHIN WETLANDS UNLESS SPECIFICALLY NOTED OTHERWISE.

8.2. LOCATE ALL IRRIGATION LINES WITHIN LANDSCAPED AREAS WHENEVER POSSIBLE. ALL LINES UNDER PAVEMENT MUST BE SLEEVED.

8.3. SIZE ALL PIPE SLEEVES TWO PIPE SIZES GREATER THAN THE PIPE / CUMULATIVE SUM OF THE PIPES IT CARRIES.

8.4. SLEEVES UNDER EXISTING PAVEMENT MUST BE DIRECTIONAL BORE UNLESS APPROVED BY OWNER IN WRITING.

8.5. SOLVENT CEMENTS SHALL COMPLY WITH ASTM D2564.

## 9. CONTROLLER AND SENSORS

9.1. COORDINATE WITH OWNER'S REPRESENTATIVE FOR FINAL CONTROLLER AND RAIN SENSOR LOCATIONS. THE CONTROLLER SHALL BE PLACED IN A LOCKING CABINET APPROPRIATE FOR ITS LOCATION. (INDOOR VS. OUTDOOR USE)

9.2. LOCATE THE AUTOMATIC RAIN SENSOR SHUTOFF DEVICE IN AN AREA THAT IS UNOBSTRUCTED BY TREES, ROOF OVERHANGS, OR ANY OTHER OVERHEAD OBJECT. THE SENSOR SHALL NOT BE PLACED WITHIN THE SPRAY ZONE OF ANY SPRINKLER HEAD, INCLUDING OFF-SITE IRRIGATION. CONTRACTOR SHALL LOCATE SENSOR WITHIN CLOSE PROXIMITY TO THE IRRIGATION CONTROLLER.

## 10. CLEANUP

10.1. UPON COMPLETION OF ALL WORK AND BEFORE FINAL ACCEPTANCE, REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

## 11. AS-BUILT IRRIGATION PLANS

11.1. PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER'S REPRESENTATIVE PRIOR TO FINAL ACCEPTANCE OF WORK. INCLUDE THE FOLLOWING ON THE AS-BUILT DRAWINGS AT A MINIMUM:
- CONTROLLER LOCATION
- CONNECTION ASSEMBLY
- MAINLINE ROUTING
- PIPE SLEEVING
- VALVE(S)
- COLORIZED ZONING DIAGRAM

11.2. LOCATE ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR WHETHER INSTALLED BY THE IRRIGATION CONTRACTOR OR NOT ON THE "AS-BUILT" DRAWINGS. THE DEPTH BELOW FINISH GRADE, TO THE NEAREST FOOT OF EACH END OF THE SLEEVE SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.

## 12. FINAL INSPECTION AND ACCEPTANCE OF WORK

12.1. MINIMIZE IRRIGATION OVERTHROW TO IMPERVIOUS AND NATURAL AREAS THROUGH FIELD ADJUSTMENTS TO INDIVIDUAL HEADS.

12.2. PROGRAM CONTROLLER TO IRRIGATE ALL ZONES WITHIN APPLICABLE WATERING WINDOWS AND PROVIDE WATERING SCHEDULE TO OWNER'S REPRESENTATIVE.

12.3. EQUIPMENT TO BE FURNISHED TO OWNER PRIOR TO ACCEPTANCE OF WORK:

- TWO (2) SETS OF KEYS FOR EACH AUTOMATIC CONTROLLER.
- TWO (2) 48 INCH TEE WRENCHES FOR OPERATING GATE VALVES (WHEN INSTALLED AS PART OF WORK).
- THREE (3) SETS OF SPECIAL TOOLS REQUIRED FOR REMOVING, DISASSEMBLING AND ADJUSTING EACH TYPE OF - SPRINKLER AND VALVE SUPPLIED ON THIS PROJECT.
- FIVE (5) EXTRA SPRINKLER HEADS, NOZZLES, SHRUB ADAPTERS, NOZZLE FILTER SCREENS, FOR EACH TYPE USED ON THE PROJECT.
- TWO (2) QUICK COUPLER KEYS TO MATCH MANUFACTURER TYPE OF QUICK COUPLER.

12.4. UPON COMPLETION OF ALL WORK, A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. THE IRRIGATION SYSTEM, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT SHALL BE INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY ITEMS FOUND TO NOT BE IN COMPLIANCE SHALL BE CORRECTED AT NO COST TO THE OWNER.

## 13. WARRANTY

13.1. THE CONTRACTOR SHALL WARRANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF 1 YEAR FOLLOWING THE ACCEPTANCE OF THE WORK.

13.2. ANY PART OF THE IRRIGATION WORK THAT FAILS OR IS DEFECTIVE SHALL BE REPLACED OR RECONSTRUCTED AT NO COST TO THE OWNER INCLUDING BUT NOT LIMITED TO: RESTORING GRADES THAT HAVE SETTLED IN TRENCHES AND EXCAVATIONS RELATED TO THE WORK. RECONSTRUCTION SHALL INCLUDE ANY PLANTINGS, SOIL, MULCH OR OTHER PARTS OF THE CONSTRUCTED LANDSCAPE THAT MAY BE DAMAGED DURING THE REPAIR OR THAT RESULTS FROM SOIL SETTLEMENT.

13.3. THE DATE OF ACCEPTANCE OF THE WORK AND START OF THE GUARANTEE PERIOD SHALL BE DETERMINED BY THE OWNER, UPON THE FINDING THAT THE ENTIRE IRRIGATION SYSTEM IS INSTALLED AS DESIGNED AND SPECIFIED, AND FOUND TO BE OPERATING CORRECTLY, SUPPLYING WATER EVENLY TO ALL PLANTING AND/OR LAWN AREAS.

13.4. NEITHER THE FINAL ACCEPTANCE NOR ANY PROVISION IN THE CONTRACT DOCUMENTS SHALL RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR FAULTY MATERIALS OR WORKMANSHIP. REMEDY ANY DEFECTS WITHIN A PERIOD OF 7 DAYS (S) FROM THE DATE OF NOTIFICATION OF A DEFECT.

## 14. ABBREVIATIONS

GPM - GALLONS PER MINUTE
GPH - GALLONS PER HOUR
PSI - POUNDS PER SQUARE INCH

## LATERAL PIPE SIZING REQUIREMENTS

| MAXIMUM FLOW | MINIMUM PIPE SIZE |
|---|---|
| 10 GPM | 3/4" |
| 16 GPM | 1" |
| 26 GPM | 1-1/4" |
| 35 GPM | 1-1/2" |
| 55 GPM | 2" |
| 80 GPM | 2-1/2" |
| 120 GPM | 3" |

PIPE SIZES ILLUSTRATED IN THE ABOVE CHART ARE MINIMUM ACCEPTABLE SIZES. PIPE SIZES INDICATED ON PLAN ARE FOR CONVENIENCE ONLY. FIELD SIZE ALL LATERAL PIPING TO KEEP ALL FRICTION LOSS VELOCITIES BELOW 5.0 FPS.

# IRRIGATION SCHEDULE

**2026-02-03 14:58**

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | DETAIL |
|---|---|---|---|
| 1401 1402 1404 | RAIN BIRD RWS-B-C W/ RWS-SOCK 1400 SERIES<br>ROOT WATERING SYSTEM WITH 4IN. DIAMETER X 36IN. LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE. CHECK VALVE AND SAND SOCK. RAIN BIRD BUBBLER OPTION AS INDICATED: 1401 0.25 GPM, 1402 0.5 GPM, 1404 1.0 GPM, 1408 2 GPM. | 30 | |

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | DETAIL |
|---|---|---|---|
| | RAIN BIRD XCZ-100-IVMQ<br>WIDE FLOW IVM DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1IN. BALL VALVE WITH 1IN. PESB/IVM SMART VALVE W/ FACTORY INSTALLED IVM-SOL 0.3-20 GPM AND 1IN. PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER 0.3-20 GPM | 3 | |
| | RAIN BIRD MDCFCAP<br>DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER. | 4 | |
| | RAIN BIRD ARI-050<br>1/2IN. AIR RELIEF VALVE, MADE OF QUALITY RUST-PROOF MATERIALS, WITH A 6IN. DRIP VALVE BOX (SEB 7X8 EMITTER BOX). USE WITH INSTALLATION BELOW SOIL. THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE. | 4 | |
| | AREA TO RECEIVE DRIPLINE<br>NETAFIM TLCV-04-12<br>TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM. | 2,391 SF | |

| SYMBOL | MANUFACTURER/MODEL/DESCRIPTION | QTY | DETAIL |
|---|---|---|---|
| | RAIN BIRD PESB<br>1IN., 1-1/2IN., 2IN., 3IN., 3IN. PLASTIC INDUSTRIAL REMOTE CONTROL VALVE. LOW FLOW OPERATING CAPABILITY. GLOBE CONFIGURATION. WITH SCRUBBER TECHNOLOGY FOR RELIABLE PERFORMANCE IN DIRTY WATER IRRIGATION APPLICATIONS. | 2 | |
| POC | POINT OF CONNECTION 2" | 1 | |
| | IRRIGATION LATERAL LINE: PVC SCHEDULE 40 | 514.8 LF | |
| | IRRIGATION MAINLINE: PVC SCHEDULE 40 | 177.3 LF | |
| | IRRIGATION MAINLINE: PVC SCHEDULE 40 | 37.1 LF | |
| | PIPE SLEEVE: PVC SCHEDULE 40 | 95.4 LF | |

Valve Callout

**2026-02-03 14:58**

# VALVE SCHEDULE

| NUMBER | MODEL | SIZE | TYPE | GPM | WIRE | PSI | PSI @ POC | PRECIP |
|---|---|---|---|---|---|---|---|---|
| 1 | RAIN BIRD PESB | 1" | BUBBLER | 6 | | 37.8 | 38.2 | 2.27 in/h |
| 2 | RAIN BIRD XCZ-100-IVMQ | 1" | AREA FOR DRIPLINE | 7.45 | | 35.3 | 35.9 | 1.05 in/h |
| 3 | RAIN BIRD XCZ-100-IVMQ | 1" | AREA FOR DRIPLINE | 6.42 | | 34.4 | 37.0 | 0.91 in/h |
| 4 | RAIN BIRD PESB | 1" | BUBBLER | 9.0 | | 7 | | 8.56 in/h |
| 5 | RAIN BIRD XCZ-100-IVMQ | 1" | AREA FOR DRIPLINE | 7.32 | | 36.0 | 39.3 | 0.88 in/h |

# CRITICAL ANALYSIS

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P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Point of Connection Size: 2"
Flow Available 77.18 GPM

PRESSURE AVAILABLE
Static Pressure at POC: 65 PSI
Pressure Available: 65 PSI

DESIGN ANALYSIS
Maximum Station Flow: 9 GPM
Flow Available at POC: 77.18 GPM
Residual Flow Available: 68.18 GPM

Critical Station: 5
Design Pressure: 25 PSI
Friction Loss: 1.49 PSI
Fittings Loss: 0.15 PSI
Elevation Loss: 0 PSI
Loss through Valve: 9.32 PSI
Pressure Req. at Critical Station: 36.0 PSI
Loss for Fittings: 0.3 PSI
Loss for Main Line: 3.0 PSI
Loss for POC to Valve Elevation: 0 PSI
Loss for Backflow: 0 PSI
Critical Station Pressure at POC: 39.3 PSI
Pressure Available: 65 PSI
Residual Pressure Available: 25.7 PSI

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Public Works Department
Building Engineering Planning
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Date Issued

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CONSULTANTS

STATE OF WASHINGTON
MARK R. MCMANN
21760
REGISTERED LANDSCAPE ARCHITECT
01-30-26

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SHEET TITLE
IRRIGATION NOTES AND SCHEDULES

SHEET NUMBER
**L3.0**

SHEET SIZE: 42"x30"

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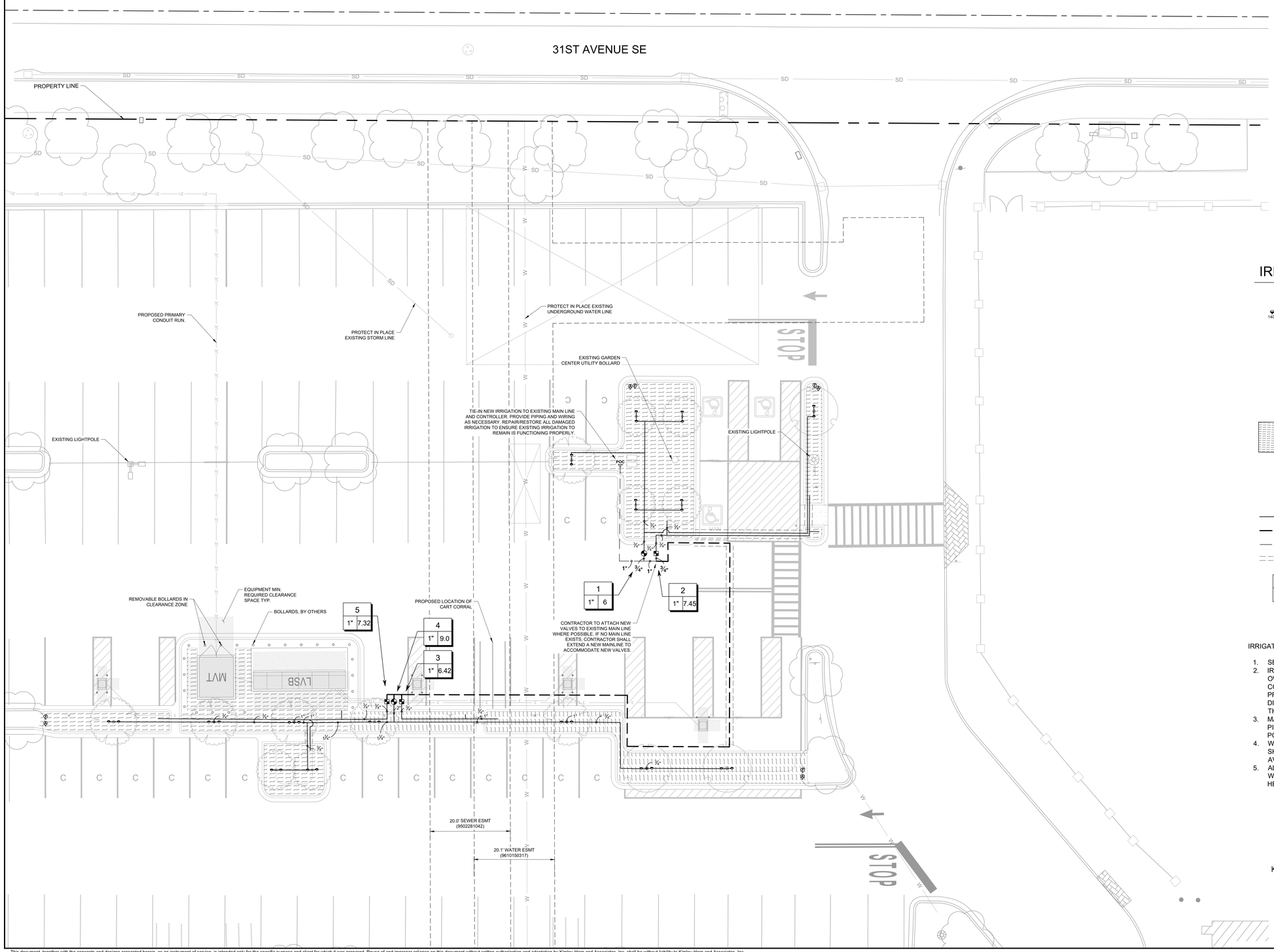


## IRRIGATION SCHEDULE

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| F | RAIN BIRD MDCFCAP<br>DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER. |
| A | RAIN BIRD ARV050<br>1/2IN. AIR RELIEF VALVE, MADE OF QUALITY RUST-PROOF MATERIALS, WITH A 6IN. DRIP VALVE BOX (SEE 7X8 EMITTER BOX). USE WITH INSTALLATION BELOW SOIL. THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE. |
| | AREA TO RECEIVE DRIPLINE<br>NETAFIM TLCV-04-12<br>TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE WITH CHECK VALVE. 0.4 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. 17MM. |

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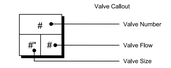
| POC | POINT OF CONNECTION 2" |
| | IRRIGATION LATERAL LINE: PVC SCHEDULE 40 |
| | IRRIGATION MAINLINE: PVC SCHEDULE 40 |
| | IRRIGATION MAINLINE: PVC SCHEDULE 40 |
| | PIPE SLEEVE: PVC SCHEDULE 40 |

Valve Callout




IRRIGATION NOTES:

1. SEE SHEET L5.0 FOR IRRIGATION DETAILS.
2. IRRIGATION POINT OF CONNECTION (POC). VERIFY LOCATION WITH OWNER. BASIS OF DESIGN ASSUMED 65 PSI AT THE POC. CONTRACTOR TO CONFIRM AND VERIFY PRESSURE AND GPM FLOW PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. IF THERE IS A DISCREPANCY IN PSI, A RFI SHOULD BE GENERATED TO DOCUMENT THE DESIGN CHANGE.
3. MAIN LINE, LATERALS, AND VALVES SHOWN FOR CLARITY. INSTALL PIPING AND VALVES WITHIN THE PROPERTY LINE, 6" B.O.C. WHEN POSSIBLE, AND IN GREEN SPACE.
4. WATERING REQUIREMENTS ARE APPROXIMATE PER SEASON AND SHOULD BE ADJUSTED TO REFLECT SEASONAL FLUCTUATIONS IN AVERAGE PRECIPITATION.
5. ALL PLANTS TO RECEIVE APPROPRIATE ADDITIONAL 15% HIGHER WATERING DURING INSTALLATION PERIOD IN ORDER TO ESTABLISH HEALTHY AND DEEP ROOT GROWTH.

811 Know what's below. Call before you dig.

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SCALE: 1" = 10'
WHEN PRINTED AT FULL SIZE (30"x42")

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CONSULTANTS

STATE OF WASHINGTON
ALAN R. MCWAIN
19760
REGISTERED LANDSCAPE ARCHITECT
02-23-26

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IRRIGATION PLAN

SHEET NUMBER

**L3.1**

SHEET SIZE: 42"x30"


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# LANDSCAPE SPECIFICATIONS

## 1. SCOPE OF WORK

1.1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THESE PLANS.

1.2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER.

1.3. WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS.

## 2. PROTECTION OF EXISTING AND PROPOSED SITE ELEMENTS

2.1. PROTECT ALL EXISTING SITE ITEMS, ALREADY COMPLETED OR ESTABLISHED AND DESIGNATED TO REMAIN FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S WORK SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

2.2. MAINTAIN ALL NECESSARY BMP DEVICES THROUGHOUT THE DURATION OF ALL CONSTRUCTION ACTIVITIES.

2.3. WHERE APPLICABLE, SUBMIT A DETAILED PROJECT SPECIFIC WORK ZONE TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE APPROPRIATE REGULATORY AGENCY STANDARDS UNLESS THE WORK REQUIRES NOTHING MORE THAN A DIRECT APPLICATION OF DOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION.

2.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES, WHETHER PUBLIC OR PRIVATE, PRIOR TO CONSTRUCTION ACTIVITIES. THE INFORMATION AND DATA SHOWN WITH RESPECT TO EXISTING UTILITIES IS APPROXIMATE. THE OWNER AND DESIGN PROFESSIONAL SHALL NOT BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF ANY SUCH INFORMATION OR DATA. THE CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR; REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA; LOCATING ALL UTILITIES PRIOR TO CONSTRUCTION; THE SAFETY AND PROTECTION THEREOF; REPAIRING ANY DAMAGE RESULTING FROM THE WORK. THE COST OF ALL WILL BE CONSIDERED AS HAVING BEEN INCLUDED IN THE CONTRACT PRICE. THE CONTRACTOR SHALL NOTIFY ANY AFFECTED UTILITY COMPANIES OR AGENCIES IN WRITING AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING WHEN ANY CONFLICT BETWEEN UTILITIES AND THESE PLANS EXIST PRIOR TO PLANTING.

2.5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO PLANT MATERIAL EXISTING OR OTHERWISE. THIS SHALL INCLUDE COMPACTION AND SPILLING OF ANY DELETERIOUS MATERIALS WITHIN THE DRIP-LINE OF EXISTING TREES TO REMAIN. PLANT MATERIAL KILLED OR DAMAGED THAT IS MISSHAPEN AND/OR UNSIGHTLY SHALL BE REPLACED WITH LIKE SIZE AND KIND TO THE SATISFACTION OF THE OWNER OR REGULATORY AGENCY AT THE COST TO THE CONTRACTOR.

2.6. SEE TREE MITIGATION PLAN AND NOTES, IF APPLICABLE.

## 3. SUBMITTALS

3.1. SUBMIT MATERIAL SAMPLES LISTED BELOW FOR APPROVAL, ON SITE OR AS DETERMINED BY THE OWNER. UPON APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

| MATERIAL | SAMPLE SIZE |
|---|---|
| MULCH | ONE (1) GALLON PLASTIC BAG |
| SOIL MIXTURE | ONE (1) GALLON PLASTIC BAG |
| PLANTS | ONE (1) OF EACH VARIETY (OR TAGGED IN NURSERY) |

3.2. SUBMIT TESTING RESULTS OF SOIL MIXTURE AS PER SECTION 6 BELOW.

## 4. PLANT MATERIALS

4.1. ALL PLANT MATERIAL SHALL CONFORM TO THE SPECIFICATIONS INDICATED ON THE DRAWINGS AND SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE LANDSCAPE ARCHITECT AND OWNER.

4.2. ALL TREE SPECIES INSTALLED SHALL BE MATCHED IN SIZE AND SHAPE UNLESS NOTED OTHERWISE.

4.3. PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, UPON DELIVERY TO THE SITE, DURING PROGRESS OF THE WORK AND/OR AFTER COMPLETION. REJECTED PLANTS SHALL BE REMOVED AND REPLACED IMMEDIATELY.

## 5. DIGGING AND HANDLING

5.1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. NO PLANT MATERIAL SHALL BE HANDLED BY STEMS.

## 6. SOIL MIXTURE (PLANTING MEDIUM, PLANTING MIX, TOPSOIL MIX)

6.1. TEST EXISTING SOIL AND AMEND AS NECESSARY IN ACCORDANCE WITH THE GUIDELINES BELOW:

6.2. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF TWO PARTS OF TOPSOIL AND ONE PART SAND, AS DESCRIBED BELOW. SUBMIT SAMPLES AND PH TESTING RESULTS OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.

6.3. TOPSOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL CONTAIN THREE (3) TO FIVE (5) PERCENT DECOMPOSED ORGANIC MATTER AND HAVE A PH BETWEEN 5.5 AND 7.0.

6.4. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND.

6.5. PLANT TREES IN THE EXISTING NATIVE SOIL ON SITE, UNLESS DETERMINED TO BE UNSUITABLE - AT WHICH POINT THE CONTRACTOR SHALL CONTACT OWNER'S REPRESENTATIVE TO DISCUSS ALTERNATE RECOMMENDATION PRIOR TO PLANTING.

## 7. WATER

7.1. PROVIDE WATER NECESSARY FOR PLANTING ESTABLISHMENT AND MAINTENANCE. WATER SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS.

7.2. WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

## 8. FERTILIZER

8.1. PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.

8.2. FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

## 9. MULCH

9.1. MOISTEN MULCH MATERIAL AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF THREE (3) INCHES. CONTRACTOR SHALL CLEAR MULCH FROM WITHIN A SIX (6) INCH RADIUS AROUND TRUNK / STEM FLARE.

9.2. PROVIDE A THREE (3) INCH MINIMUM LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH PLANTING BED AND TREE RING (SIX (6) FOOT DIAMETER MINIMUM).

## 10. CONTAINER GROWN STOCK

10.1. CONTAINER GROWN PLANTS SHALL HAVE BEEN GROWN IN IT'S CONTAINER SUFFICIENTLY LONG ENOUGH FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.

10.2. INSUFFICIENT OR POORLY STRUCTURED ROOT SYSTEMS ARE NOT ACCEPTABLE AND WILL BE REJECTED.

10.3. ROOTS PLUS GROWER (RPG) PRODUCTS SHALL BE USED WHERE SPECIFIED.

## 11. MATERIALS LIST

11.1. ALL QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR SHALL CONFIRM ALL QUANTITIES PER PLAN PRIOR TO BIDDING AND CONSTRUCTION.

## 12. FINE GRADING

12.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINE GRADING WHICH CONSISTS OF FINAL FINISHED GRADING (INCLUDING ADDITIONAL SOIL MIXTURE AS NEEDED) FOR LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. FINISH GRADE SHALL ACCOUNT FOR THICKNESS OF SOD AND/OR MULCH DEPTH.

12.2. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES, IF APPLICABLE.

## 13. PLANTING PROCEDURES

13.1. CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER DAILY. REMOVE ALL MORTAR, CEMENT, AND TOXIC MATERIAL FROM THE SURFACE OF ALL PLANT BEDS. DO NOT MIX THESE MATERIALS WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

13.2. LOCATE, MAINTAIN AND PROTECT ALL UTILITIES ABOVE AND BELOW GROUND. CALL TO LOCATE UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

13.3. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING OVERHEAD POWER LINES IN ACCORDANCE WITH SETBACK REQUIREMENTS.

13.4. NOTIFY LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY IF CONFLICT(S) EXIST WITH PROPOSED TREE LOCATIONS AND EXISTING / PROPOSED LIGHT POLES. TREES INSTALLED IN CONFLICT WITH LIGHT POLES ARE SUBJECT TO RELOCATION AT THE EXPENSE OF THE CONTRACTOR.

13.5. REMOVE ALL EXISTING AND IMPORTED DELETERIOUS MATERIAL AND SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36" OR TO NATIVE SOIL. CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE AS NEEDED WITH CLEAN SOIL MIXTURE.

13.6. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS. COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.

13.7. EXCAVATE ALL PLANTING PITS IN ACCORDANCE WITH LANDSCAPE DETAILS PROVIDED. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. IF POOR DRAINAGE EXISTS, NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IN WRITING. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER DRAINAGE. CONTRACTOR SHALL ENSURE ELIMINATION OF ALL AIR POCKETS AROUND ROOTS.

13.8. SET TREES AND SHRUBS STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACK FILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPING).

13.9. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM UPPER ONE THIRD (1/3) OF ROOT BALLS.

13.10. ALL SUCKER GROWTH AND BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT IN ACCORDANCE WITH ANSI A-300.

13.11. SHRUBS AND GROUND COVER PLANTS SHALL BE SPACED IN ACCORDANCE WITH THE DRAWINGS, LANDSCAPE DETAILS AND AS INDICATED ON THE PLANT LIST.

13.12. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN A PLUMB AND UPRIGHT POSITION.

13.13. FAILURE TO FOLLOW THE ABOVE PLANTING PROCEDURE SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.

## 14. LAWN SODDING

14.1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING NECESSARY TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.

14.2. ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS TO A MINIMUM DEPTH OF THREE (3) INCHES. PROVIDE ONE (1) INCH OF TOPSOIL ACROSS ENTIRE LAWN BED AND MIX THROUGHLY INTO TOP FOUR (4) INCHES OF SOIL TO BRING THE GROUND TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL TOPSOIL AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.

14.3. HAND RAKE LAWN BED UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.

14.4. SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.

14.5. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.

14.6. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER HARDSCAPE ELEMENTS, PAVED AND PLANTED AREAS.

14.7. IMMEDIATELY FOLLOWING SOD LAYING, ROLL LAWN AREAS WITH A LAWN ROLLER AND THEN THOROUGHLY IRRIGATED.

14.8. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.

14.9. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY EXCESSIVE HEAT AND MOISTURE.

14.10. WITHIN THE CONTRACT LIMITS, PRODUCE AND MAINTAIN A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS UNTIL CERTIFICATION OF ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRADING IF NECESSARY).

## 15. CLEANUP

15.1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S REPRESENTATIVE.

## 16. PLANT MATERIAL MAINTENANCE

16.1. ALL PLANT MATERIAL SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) AS NECESSARY TO INSURE HEALTHY AND VIGOROUS GROWING CONDITIONS BY THE CONTRACTOR UPON DELIVERING TO THE SITE AND UNTIL FINAL ACCEPTANCE OF WORK.

## 17. FINAL INSPECTION AND ACCEPTANCE OF WORK

17.1. ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE PER MANUFACTURER RECOMMENDATIONS. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

17.2. PROVIDE WATERING/IRRIGATION SCHEDULE FOR ALL PLANT MATERIAL TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

17.3. UPON COMPLETION OF ALL WORK, A FINAL INSPECTION SHALL BE PERFORMED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. ALL PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT SHALL BE INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ANY ITEMS FOUND TO NOT BE IN COMPLIANCE SHALL BE CORRECTED AT THE COST OF THE CONTRACTOR.

## 18. WARRANTY

18.1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION AND ACCEPTANCE OF THE WORK BY THE OWNER AND/OR OWNER'S REPRESENTATIVE.

18.2. ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION THROUGHOUT THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED AND MULCHED AS SPECIFIED AT NO ADDITIONAL COST TO THE OWNER. ANY REPLACED PLANT MATERIAL SHALL BE SUBJECT TO A NEW ONE (1) YEAR WARRANTY.

18.3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE AND IRRIGATION MAINTENANCE, THE CONTRACTOR SHOULD VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE (1) YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER. CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH.

## 19. ABBREVIATIONS

| | |
|---|---|
| B&B - | BALLED AND BURLAPPED |
| BR - | BARE ROOT |
| CAL - | CALIPER |
| CT - | CLEAR TRUNK |
| DBH - | DIAMETER AT BREAST HEIGHT |
| FG - | FIELD GROWN |
| FTG - | FULL TO GROUND |
| GW - | GREY WOOD |
| HO - | HARDENED OFF |
| OA - | OVERALL HEIGHT |
| RPG - | ROOTS PLUS GROWER |

# PLANT SCHEDULE

| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL |
|---|---|---|---|---|---|
| TREES | | | | | |
| | 3 | ACER GRISEUM BRANCHED @ 6', SPECIMEN QUALITY | PAPERBARK MAPLE | B & B | 2" CAL MIN |
| | 6 | CHAMAECYPARIS OBTUSA | HINOKI FALSE CYPRESS | B & B | 2" CAL MIN |
| | 6 | GINKGO BILOBA 'FASTIGIATA' | FASTIGIATE MAIDENHAIR TREE | B & B | 2" CAL MIN |

| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME | CONT | SPACING |
|---|---|---|---|---|---|
| SHRUBS | | | | | |
| | 36 | BERBERIS THUNBERGII 'CRIMSON PYGMY' | CRIMSON PYGMY JAPANESE BARBERRY | 3 GAL | SEE PLAN |
| | 59 | COTONEASTER DAMMERI 'CORAL BEAUTY' | CORAL BEAUTY COTONEASTER | 3 GAL | SEE PLAN |
| | 55 | PINUS MUGO | MUGO PINE | 3 GAL | SEE PLAN |

| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME | CONT | SPACING |
|---|---|---|---|---|---|
| GROUND COVERS | | | | | |
| | 248 | ARCTOSTAPHYLOS UVA-URSI | KINNIKINNICK | 4" POT | 18" o.c. |

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SHEET TITLE

PLANTING NOTES AND SCHEDULE

SHEET NUMBER

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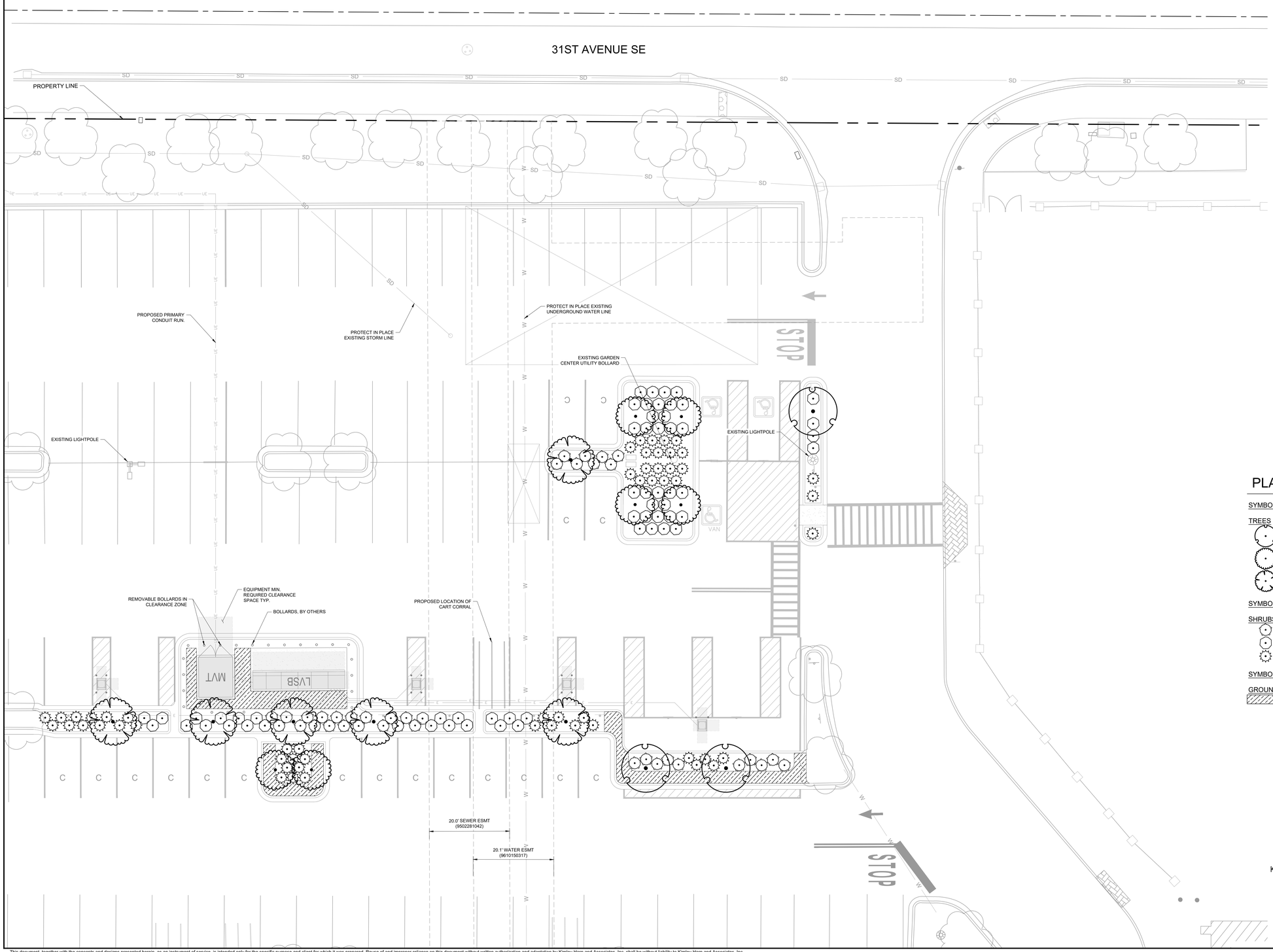


## PLANT SCHEDULE

| SYMBOL | QTY | BOTANICAL NAME | COMMON NAME |
|---|---|---|---|
| TREES | | | |
| | 3 | ACER GRISEUM BRANCHED @ 6', SPECIMEN QUALITY | PAPERBARK MAPLE |
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| GROUND COVERS | | | |
| | 248 | ARCTOSTAPHYLOS UVA-URSI | KINNIKINNICK |

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CONSULTANTS

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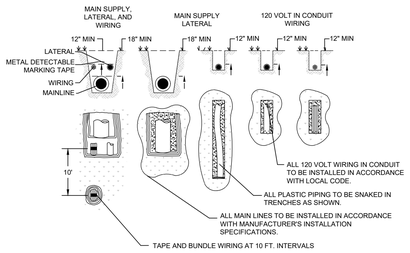
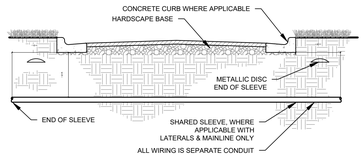


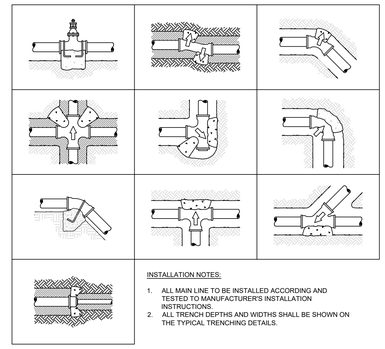

## 1 TYPICAL TRENCHING

1/2" = 1'-0" SEA-WAL-884-08




## 2 TYPICAL SLEEVING

1/2" = 1'-0" SEA-WAL-884-11

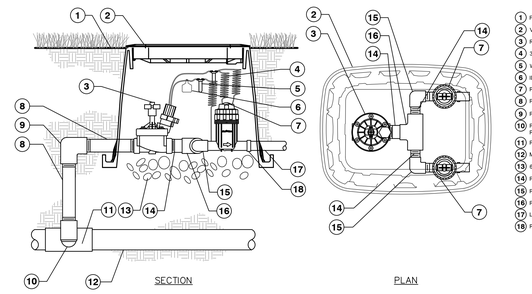


INSTALLATION NOTES:

1. ALL MAIN LINE TO BE INSTALLED ACCORDING AND TESTED TO MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ALL TRENCH DEPTHS AND WIDTHS SHALL BE SHOWN ON THE TYPICAL TRENCHING DETAILS.

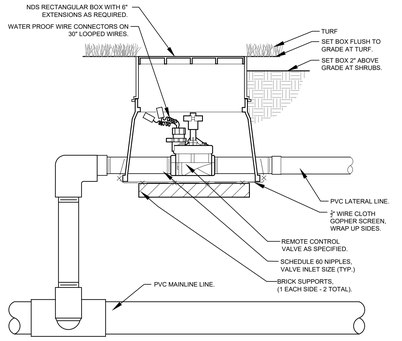
## 3 TYPICAL THRUST BLOCK

1/2" = 1'-0" SEA-WAL-884-01



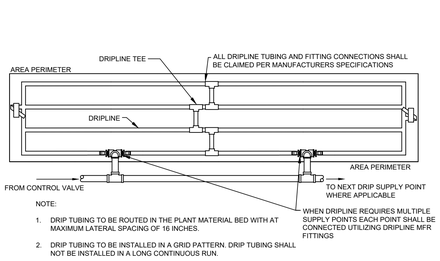

## 4 DRIP CONTROL VALVE

1" = 30' SEA-WAL-884-03




## 5 REMOTE CONTROL VALVE

1/2" = 1'-0" SEA-WAL-884-10

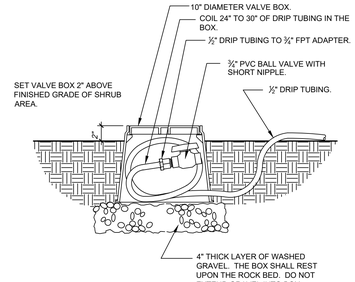



NOTE:

1. DRIP TUBING TO BE ROUTED IN THE PLANT MATERIAL BED WITH AT MAXIMUM LATERAL SPACING OF 16 INCHES.
2. DRIP TUBING TO BE INSTALLED IN A GRID PATTERN. DRIP TUBING SHALL NOT BE INSTALLED IN A LONG CONTINUOUS RUN.
3. CONTRACTOR TO REFER TO IRRIGATION PLAN FOR LOCATION OF CONTROL VALVES THAT UTILIZE MULTIPLE DRIPLINE SUPPLY CONNECTIONS.

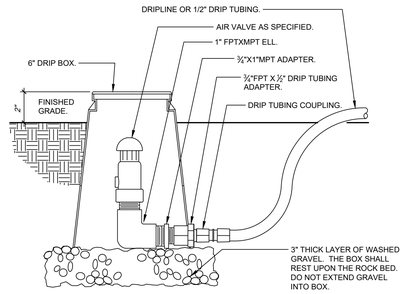
## 6 TYPICAL DRIPLINE

3/4" = 1'-0" SEA-WAL-884-12



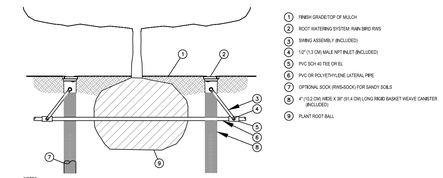

## 7 DRIP FLUSH VALVE

1 1/2" = 1'-0" SEA-WAL-884-02




## 8 DRIP AIR RELIEF VALVE IN BOX

3" = 1'-0" SEA-WAL-884-04




NOTES:
1. POSITION 2-3 UNITS (OR MORE) EVENLY SPACED AROUND PLANT. FOR NEW TREES PLACE NEAR ROOT BALL. FOR EXISTING TREES PLACE HALF THE DISTANCE BETWEEN CANOPY EDGE AND TREE TRUNK.
2. INSTALL PRODUCT WITH TOP EVEN WITH GROUND SURFACE.
3. RWS SERIES AVAILABLE IN THE FOLLOWING MODELS:
   RWS-B-G-1401: 0.25 GPM (0.95 LM): CHECK VALVE
   RWS-B-1401: 0.25 GPM (0.95 LM)
   RWS-B-A-1401: 0.25 GPM (0.95 LM), 18" (45.7 CM) SWING ASSEMBLY
   RWS-B-G-1402: 0.5 GPM (1.9 LM): CHECK VALVE
   RWS-B-1402: 0.5 GPM (1.9 LM)
   RWS-B-G-1404: 1.0 GPM (3.8 LM): CHECK VALVE
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.
6. OPTIONAL RWS-SOCK FOR USE IN SANDY SOILS.

## 9 TYPICAL ROOT WATER SYSTEM

1" = 1" SEA-WAL-884-14

PRCTI20251350

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CONSULTANTS

STATE OF WASHINGTON
ALAN R. MCWAYNE
No. 9916 EXP. 04/28/2026
REGISTERED LANDSCAPE ARCHITECT
01-30-26

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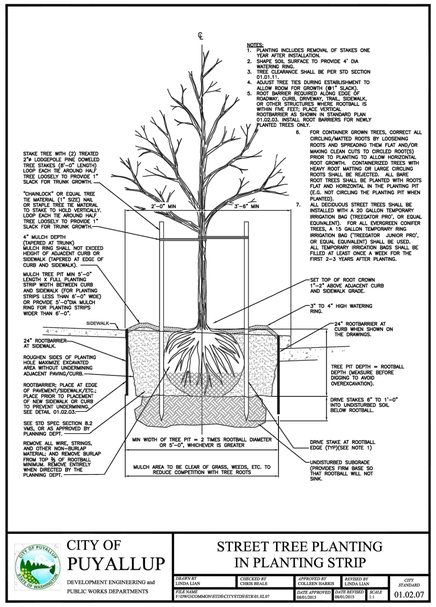
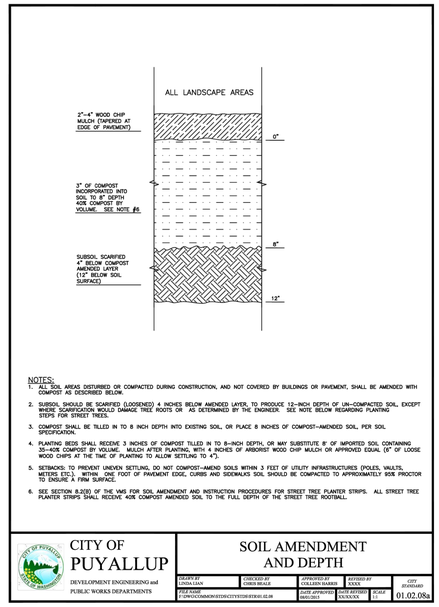



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STREET TREE PLANTING IN PLANTING STRIP

| DRAWN BY | CHECKED BY | APPROVED BY | REVISED BY | CITY |
|---|---|---|---|---|
| LINDA LUAN | CHRIS BEALE | COLLEEN HARRIS | LINDA LUAN | STANDARD |
| FILE NAME: P:\PROJECTS\MMOW\STDDETCITYTOD\STD1501.02.07 | | DATE APPROVED: 08/01/2013 | DATE REVISED: 08/01/2013 | SCALE: 1:1 | 01.02.07 |




NOTES:
1. ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.
2. SUBSOIL SHOULD BE SCARIFIED (LOOSENED) 4 INCHES BELOW AMENDED LAYER, TO PRODUCE 12–INCH DEPTH OF UN–COMPACTED SOIL, EXCEPT WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER. SEE NOTE BELOW REGARDING PLANTING STEPS FOR STREET TREES.
3. COMPOST SHALL BE TILLED IN TO 8 INCH DEPTH INTO EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST–AMENDED SOIL, PER SOIL SPECIFICATION.
4. PLANTING BEDS SHALL RECEIVE 3 INCHES OF COMPOST TILLED IN TO 8–INCH DEPTH, OR MAY SUBSTITUTE 8" OF IMPORTED SOIL CONTAINING 35–40% COMPOST BY VOLUME. MULCH AFTER PLANTING, WITH 4 INCHES OF ARBORIST WOOD CHIP MULCH OR APPROVED EQUAL (6" OF LOOSE WOOD CHIPS AT THE TIME OF PLANTING TO ALLOW SETTLING TO 4").
5. SETBACKS: TO PREVENT UNEVEN SETTLING, DO NOT COMPOST–AMEND SOILS WITHIN 3 FEET OF UTILITY INFRASTRUCTURES (POLES, VAULTS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS SOIL SHOULD BE COMPACTED TO APPROXIMATELY 95% PROCTOR TO ENSURE A FIRM SURFACE.
6. SEE SECTION 8.2(3) OF THE VMS FOR SOIL AMENDMENT AND INSTRUCTION PROCEDURES FOR STREET TREE PLANTER STRIPS. ALL STREET TREE PLANTER STRIPS SHALL RECEIVE 40% COMPOST AMENDED SOIL TO THE FULL DEPTH OF THE STREET TREE ROOTBALL.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SOIL AMENDMENT AND DEPTH

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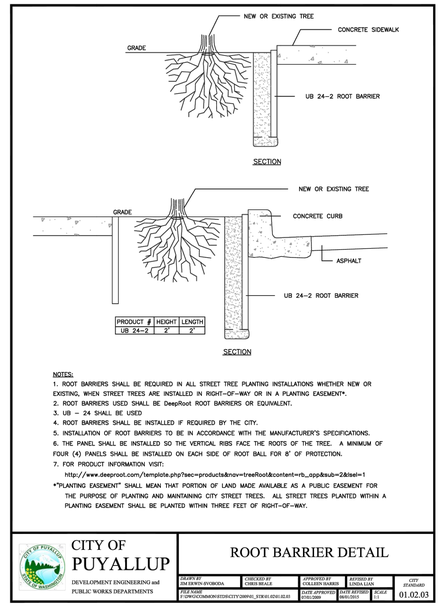


NOTES:
1. ROOT BARRIERS SHALL BE REQUIRED IN ALL STREET TREE PLANTING INSTALLATIONS WHETHER NEW OR EXISTING, WHEN STREET TREES ARE INSTALLED IN RIGHT–OF–WAY OR IN A PLANTING EASEMENT*.
2. ROOT BARRIERS USED SHALL BE DeepRoot ROOT BARRIERS OR EQUIVALENT.
3. UB – 24 SHALL BE USED
4. ROOT BARRIERS SHALL BE INSTALLED IF REQUIRED BY THE CITY.
5. INSTALLATION OF ROOT BARRIERS TO BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
6. THE PANEL SHALL BE INSTALLED SO THE VERTICAL RIBS FACE THE ROOTS OF THE TREE. A MINIMUM OF FOUR (4) PANELS SHALL BE INSTALLED ON EACH SIDE OF ROOT BALL FOR 8' OF PROTECTION.
7. FOR PRODUCT INFORMATION VISIT:
http://www.deeproot.com/templates.php?sec=products&nav=treeRoot&content=rb_app&sub=2&level=1
*"PLANTING EASEMENT" SHALL MEAN THAT PORTION OF LAND MADE AVAILABLE AS A PUBLIC EASEMENT FOR THE PURPOSE OF PLANTING AND MAINTAINING CITY STREET TREES. ALL STREET TREES PLANTED WITHIN A PLANTING EASEMENT SHALL BE PLANTED WITHIN THREE FEET OF RIGHT–OF–WAY.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

ROOT BARRIER DETAIL

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|---|---|---|---|---|
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| FILE NAME: P:\PROJECTS\MMOW\STDDETCITYTOD\STD1501.02.03 | | DATE APPROVED: 07/01/2008 | DATE REVISED: 08/01/2013 | SCALE: 1:1 | 01.02.03 |

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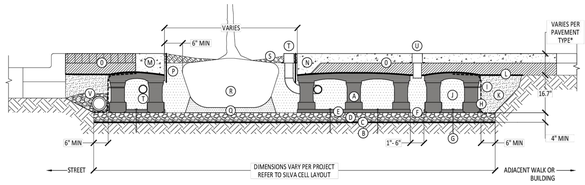



KEY PLAN
- (A) SILVA CELL SYSTEM (DECK, BASE, AND POSTS)
- (B) SUBGRADE, COMPACTED
- (C) GEOTEXTILE FABRIC, PLACED ABOVE SUBGRADE
- (D) 4" MIN AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR
- (E) SILVA CELL BASE SLOPE, 10% MAX
- (F) 1" TO 6" SPACING BETWEEN SILVA CELLS AT BASE
- (G) ANCHORING SPIKES, CONTACT DEEPROOT FOR ALTERNATIVE
- (H) GEOGRID, WRAPPED AROUND PERIMETER OF SYSTEM, WITH 6" TOE (OUTWARD FROM BASE) AND 12" EXCESS (OVER TOP OF DECK)
- (I) CABLE TIE, ATTACHING GEOGRID TO SILVA CELL AT BASE OF UPPER LEG FLARE, AS NEEDED
- (J) PLANTING SOIL, PER PROJECT SPECIFICATIONS, PLACED IN LIFTS AND WALK-IN COMPACTED TO 75-85% PROCTOR
- (K) COMPACTED BACKFILL, PER PROJECT SPECIFICATIONS
- (L) GEOTEXTILE FABRIC TO EDGE OF EXCAVATION
- (M) RIBBON CURB AT TREE OPENING (TO BE USED WITH PAVERS OR ASPHALT)
- (N) THICKENED EDGE AT TREE OPENING (TO BE USED WITH CONCRETE)
- (O) PAVEMENT AND AGGREGATE BASE PER PROJECT *
- (P) DEEPROOT ROOT BARRIER, 12" OR 18", DEPTH DETERMINED BY THICKNESS OF PAVEMENT SECTION, INSTALL DIRECTLY ADJACENT TO CONCRETE EDGE RESTRAINT
- (Q) PLANTING SOIL BELOW ROOT BALL, COMPACTED WELL TO PREVENT SETTLING
- (R) ROOT BALL
- (S) TREE OPENING TREATMENT, PER PROJECT SPECIFICATIONS
- (T) DEEPROOT WATER AND AIR VENT, ROOTBALL, WHEN REQUIRED
- (U) DEEPROOT WATER AND AIR VENT, WHEN REQUIRED
- (V) UNDERDRAIN SYSTEM, WHEN REQUIRED (LOCATION AND DETAILS BY OTHERS)

*MINIMUM PAVEMENT PROFILE OPTIONS TO MEET H-20 LOADING

| PAVEMENT | + AGGREGATE BASE COURSE |
|---|---|
| 4" CONCRETE | + 4" AGGREGATE |
| 3" PAVER | + 12" AGGREGATE |
| 4" ASPHALT | + 12" AGGREGATE |
| 2.6" PAVER | + 5" CONCRETE |

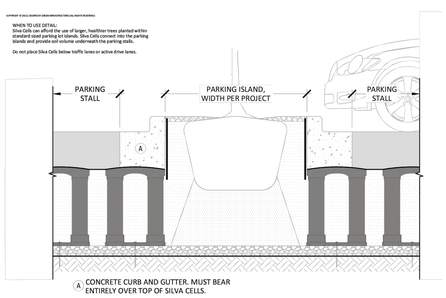
NOTES
1. EXCAVATION SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE HEALTH AND SAFETY REGULATIONS
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
3. PROVIDE SUPPLEMENTAL IRRIGATION
4. DO NOT SCALE DRAWINGS

# 1 STREET TREE PLANTING IN PLANTING STRIP
NTS — SEA-WAL-884-29

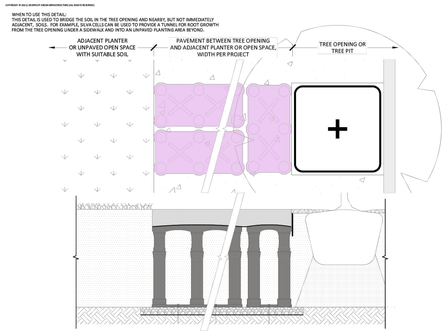
# 2 SOIL AMENDMENT AND DEPTH
NTS — SEA-WAL-884-30

# 3 ROOT BARRIER DETAIL
NTS — SEA-WAL-884-28

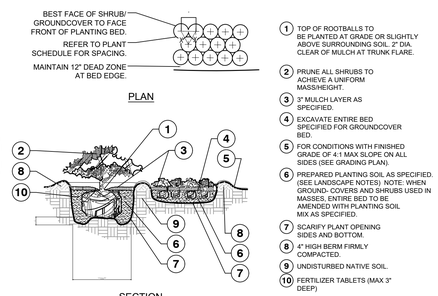
# 4 SILVA CELL SYSTEM - 1X
NTS — SEA-WAL-884-27




# 5 SILVA CELL - PARKING BAY
1/2" = 1'-0"



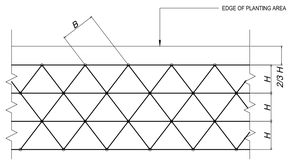

# 6 SILVA CELL - BREAKOUT ZONE
1/2" = 1'-0" — SEA-WAL-884-26




1. TOP OF ROOTBALLS TO BE PLANTED AT GRADE OR SLIGHTLY ABOVE SURROUNDING SOIL, 2" DIA. CLEAR OF MULCH AT TRUNK FLARE.
2. PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASSHEIGHT.
3. 3" MULCH LAYER AS SPECIFIED.
4. EXCAVATE ENTIRE BED SPECIFIED FOR GROUNDCOVER BED.
5. FOR CONDITIONS WITH FINISHED GRADE OF 4:1 MAX SLOPE ON ALL SIDES (SEE GRADING PLAN).
6. PREPARED PLANTING SOIL AS SPECIFIED. (SEE LANDSCAPE NOTES) NOTE: WHEN GROUND- COVERS AND SHRUBS USED IN MASSES, ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
7. SCARIFY PLANT OPENING SIDES AND BOTTOM.
8. 4" HIGH BERM FIRMLY COMPACTED.
9. UNDISTURBED NATIVE SOIL.
10. FERTILIZER TABLETS (MAX 3" DEEP)

NOTES:
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING AREAS PRIOR TO INSTALLATION.
B. WHEN SHRUBS ARE PRUNED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS / HEIGHT.
C. ALL SHRUBS AND GROUNDCOVERS SHALL BE PLUMB VERTICALLY, UNLESS OTHERWISE DIRECTED BY PROJECT LANDSCAPE ARCHITECT.

# 7 SHRUB/GROUNDCOVER PLANTING
1" = 20' — SEA-WAL-884-13




| TRIANGULAR SPACING = B | DISTANCE BETWEEN ROWS = H | TOTAL AREA (SF) PER PLANT |
|---|---|---|
| 6" | 5" | 0.21 |
| 8" | 7" | 0.39 |
| 9" | 8" | 0.50 |
| 10" | 8 1/2" | 0.59 |
| 12" | 10 1/2" | 0.86 |
| 15" | 13" | 1.35 |
| 18" | 15 1/2" | 1.94 |
| 21" | 18" | 2.63 |
| 24" | 21" | 3.50 |
| 30" | 26" | 5.42 |
| 36" | 31" | 7.80 |
| 48" | 42" | 13.84 |

# 8 PLANT SPACING DIAGRAM
1" = 10' — SEA-WAL-884-18

PRCTI20251350

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