

- ### CONSTRUCTION NOTES
- A. PROPOSED 6" FIRE LANE STRIPING PAINTED TRAFFIC RED WITH "NO PARKING FIRE LANE" PAINTED WITH 4" HIGH WHITE LETTERING AT 25' SPACING SEE DTL ON SHEET C3.05.
  - B. PROPOSED PEDESTRIAN CROSSWALK SIGN W11-2 AND W16-7b. TYPICAL AT CROSSWALKS AS NOTED ON PLANS. SEE DTL ON SHEET C3.07.
  - C. PROPOSED "YIELD" PAINTED WHITE ON PAVEMENT TYPICAL. SEE DTL ON SHEET C3.05.
  - D. PROPOSED EXIT PORCH. SEE ARCHITECTURAL PLANS FOR EXACT SIZE. LOCATION FOR STOOPS, STAIRS AND/OR RAMPS THAT MAY BE REQUIRED. STOOP ELEVATIONS SHALL BE AT F.F.E. AT DOOR AND SLOPE AWAY AT 2% MAX. PAVEMENT TO BE FLUSH WITH EXIT PORCH. SLOPE AT 5.0% MAXIMUM.
  - E. PROPOSED 6" PIPE BOLLARD TYPICAL UNLESS NOTED OTHERWISE. COORDINATE LOCATION WITH ARCHITECTURAL PLANS. SEE DTL ON SHEET C3.09.
  - F. PROPOSED CART CROSSING SIGN. SEE DTL ON SHEET C3.06.
  - G. PROPOSED CONCRETE COMPACTOR PAD. REFER TO ARCHITECTURAL PLAN FOR EXACT LOCATION & DIMENSIONS. SEE GRADES ON SHEET C4.05.
  - H. EXISTING HANDICAP & REGULAR PARKING STALLS TO BE CONVERTED TO ACCESSIBLE PARKING SPACES TYPICAL. PER ADA STANDARD STRIPING DETAIL FOR ACCESSIBLE PARKING SPACE SIZE, SIGN AND SYMBOL. SEE DTL ON SHEET C3.06.
  - I. PROPOSED CART CORRAL TYPICAL. PROPOSED CART CONTAINMENT SYSTEM TO BE INSTALLED. SEE DTL ON SHEET C3.09.
  - J. INSTALL CONCRETE SIDEWALK PER ARCHITECTURAL PLANS. SEE SHEET C4.05 FOR GRADING INFORMATION.
  - K. PROPOSED SINGLE CURB, TYPE E. SEE DTL ON SHEET C4.04.
  - L. PROPOSED CURB & GUTTER PER CITY OF AURORA STD DTL S7.1. SEE DTL ON SHEET C4.04.
  - M. PROPOSED PEDESTRIAN CROSSWALK WITH 6" WIDE PAINTED WHITE STRIPING PARALLEL TO DIRECTION OF TRAFFIC 2'-0" O.C. AND (1) 8" WHITE STRIPE PERPENDICULAR TO BOTH ENDS. SEE DTL ON SHEET C3.05.
  - N. PROPOSED 4" WIDE x 130" AT 10'-0" O.C. LONG YELLOW PAINTED TRUCK ALIGNMENT STRIPES. RESTRIPE EXISTING TRUCK WELL AREA.
  - O. RELOCATE LIGHT POLE.
  - P. EXISTING ENTRY SIGN CABINET TO BE REPLACED. REFER TO ARCHITECTURAL/MEP PLANS.
  - Q. EXISTING CURB TO REMAIN.
  - R. PROPOSED LANDSCAPE AREA. SEE LANDSCAPE PLANS.
  - S. SAW CUT LINE - MATCH EXISTING GRADE.
  - T. EXISTING PIPE BOLLARD TO REMAIN. REFER TO ARCHITECTURAL PLANS.
  - U. BEGIN/END CURB TRANSITION FROM PAVEMENT FLUSH WITH CURB TO 6" CURB. SEE DTL ON SHEET C4.04.
  - V. EXISTING MONUMENT SIGN TO BE REPLACED.
  - W. EXISTING PEDESTRIAN CROSSWALK TO BE REMOVED.
  - X. 2'-0" LOADING ZONE AT ALL NEW CUBED PARKING SPACES. 4" PAINTED YELLOW STRIPING AT 2'-0" O.C. PERPENDICULAR TO PARKING SPACE.
  - Y. EXISTING HANDICAP STALLS TO BE REPLACED & CONVERTED TO REGULAR PARKING STALLS.
  - Z. PROPOSED CONCRETE SIDEWALK AT GRADE PER DETAIL ON SHEET C4.04.
  - AA. PROPOSED GREASE/OIL INTERCEPTOR. SEE ARCHITECTURAL/MEP PLANS.
  - BB. PROPOSED MONUMENT SIGN REFER TO ARCHITECTURAL/MEP PLANS.
  - CC. CONSTRUCT CURB RAMP PER CITY OF AURORA STD DTLS S9.1 & S9.9. SEE DTL ON SHEET C4.04.
  - DD. NEW ELECTRICAL TRANSFORMER. SEE UTILITY PLAN FOR MORE INFORMATION.
  - EE. PROPOSED PALETTE RECYCLING AREA. COORDINATE SIZE OF PAD AREA AND SCREEN WALL WITH ARCHITECTURAL PLANS.
  - FF. CONVERT EXISTING STRIPING AREA TO REGULAR PARKING SPACES.
  - GG. NEW LIGHT POLE. SEE UTILITY PLAN FOR MORE INFORMATION.
  - HH. PROPOSED CONCRETE RAMP. REFER TO ARCH PLANS FOR EXACT LOCATION AND DIMENSIONS. SEE GRADES ON SHEET C4.05.
  - II. CONSTRUCT CURB RAMP PER CITY OF AURORA MODIFIED STD DTLS S9.1 & S9.9. SEE DTL ON SHEET C4.04.
  - JJ. EXISTING REGULAR PARKING STALLS TO BE REMOVED. REPLACE WITH SAME TYPE AFTER NEW HEAVY DUTY CONCRETE PAVEMENT HAS BEEN INSTALLED.
  - KK. FIRE LANES TO INCLUDE "NO PARKING" FIRE LANE SIGNS PLACED 45° ANGLE TO TRAFFIC FLOW. SEE DTL ON SHEET C3.07.
  - LL. 10'x15' STRIPED AREA PAINTED SOLID YELLOW STRIPING AT 45° AT 2'-0" AT JIB CRANE LOCATION.
  - MM. AISLE INDICATOR SIGN. TYPICAL. SEE DTL ON SHEET C3.08.
  - NN. EXISTING FIRE HYDRANT.
  - OO. "NO TRUCKS" SIGN. SEE DETAIL ON SHEET C3.07.
  - PP. CONTRACTOR TO CUT AND REPLACE CONCRETE SIDEWALK TO MATCH EXISTING.
  - QQ. EXISTING "STOP" SIGN OR POST DAMAGED OR MISSING. INSTALL "STOP" SIGN (R1-1) OR REPLACE POST. SEE DETAILS ON SHEET C3.07 AND C3.08.
  - RR. EXISTING FIRE LANE SIGN OR POST DAMAGED. INSTALL FIRE LANE SIGN OR REPLACE POST. SEE DETAILS ON SHEET C3.07 AND C3.08.
  - SS. REPLACE EXISTING "YIELD" SIGN POST. SEE DETAIL ON SHEET C3.08.
  - TT. REMOVE EXISTING "STOP" SIGN AND POST.

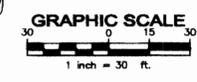
**PENTACOR**  
8774 VATES WAY, STE. 300  
WESTMINSTER, CO 80531  
PHONE: (303) 635-2303  
FAX: (303) 535-2306

DATE	APPROVED	DATE	DESCRIPTION

**IMPROVEMENT PLANS**  
**SITE PLAN NORTH**

STORE No. 1492-06  
LOT 1, BLOCK 1, AURORA  
WAL-MART SUBDIVISION FILING No. 1

DATE:	06-29-10
DRAFTED BY:	PCE
DESIGNED BY:	CG/JM
CHECKED BY:	CG
PROJECT NO.	5079.0068
SHEET NUMBER	4



#### EXISTING PARKING DATA

WAL-MART	116,179 SF
STANDARD SPACES	594 SP
ACCESSIBLE SPACES	12 SP
TOTAL PARKING	606 SP
CART CORRALS	12 SP
PARKING RATIO	5.2/1,000 SF

1. WAL-MART PREFERRED PARKING (5.0/1,000 SF)
2. REQUIRED PARKING PER CITY CODE (4.0/1,000 SF)
3. REQUIRED PARKING PER INITIAL APPROVED SITE PLAN: (5.0/1,000 SF)
4. STANDARD PARKING SPACES HAVE THE FOLLOWING TYPICAL DIMENSIONS:

EXISTING 90° SPACES: 9' WIDE x 17' LONG WITH A 2' CURB OVERHANG ALLOWED PER APPROVED SITE PLAN. PROPOSED STANDARD SPACES: 9.5' WIDE x 19' LONG

EXISTING 60° DEGREE: 8.5' WIDE x 18.5' LONG. PROPOSED STANDARD SPACES: 9.0' WIDE x 18.5' LONG

#### PROPOSED PARKING DATA

WAL-MART	131,301 SF
STANDARD SPACES	545 SP
ACCESSIBLE SPACES	14 SP
PROPOSED TOTAL PARKING	559 SP
REQUIRED PARKING	526 SP
CART CORRALS (12 EA)	24 SP
PROPOSED PARKING RATIO	4.26/1,000 SF

#### HANDICAP STALLS

ASSUMED MEDIAN AGE IS:	UNDER 40
WAL-MART HANDICAP STALLS REQUIRED: (2%+2)	14
CITY HANDICAP STALLS REQUIRED:	11
HANDICAP STALLS PROVIDED:	14

#### SITE DATA

WAL-MART	12.10 AC
TOTAL	12.10 AC
ZONING CLASSIFICATION:	CITY CENTER DISTRICT (CCZD) IN FRINGE SUBAREA DISTRICT CITY OF AURORA
LOCAL JURISDICTION:	ZONE X (OUTSIDE OF 500 YEAR FLOODPLAIN)
FLOOD ZONE CLASSIFICATION:	
FIRM MAP NUMBER:	0800020180F REVISED 09/07/98
2006 IBC OCCUPANCY CLASSIFICATION	M - MERCANTILE - WHOLESALE AND RETAIL SHARE (MAIN USE) S1 - RECEIVING AND STOCK ROOMS - STORAGE AREAS (MIXED USE) A2 - BREAK ROOM (ACCESSORY TO MAIN USE)
CONSTRUCTION TYPE (SPRINKLERED):	VB

#### BUILDING DATA

EXISTING BLDG AREA:	116,179 SF
DEMOLITION AREA:	-1,001 SF
PROPOSED ADDITIONS:	16,123 SF
TRUCK DOCK:	1,695 SF
VESTIBULE:	2,246 SF
BUILDING EXPANSION:	12,182 SF
TOTAL:	131,301 SF
BUILDING SETBACKS REQUIRED:	
FRONT:	200 FT.
REAR:	40 FT.
SIDE:	40 FT.
LANDSCAPING SETBACKS REQUIRED:	
NORTH:	20 FT.
WEST:	10 FT.
SOUTH:	15 FT.
EAST:	18 FT.
BUILDING HEIGHT:	
NUMBER OF STORIES:	1
26'-0" MAIN HEIGHT	
30'-8.5" MAX. HEIGHT	
BUILDING COVERAGE:	23%
OPEN SPACE:	93,717 SF
IMPERVIOUS SURFACE:	433,344 SF

- PROPOSED BUILDING
- WAL-MART PROPERTY LINE
- RIGHT OF WAY
- ADJACENT PROPERTY LINE
- SECTION LINE
- CENTER LINE
- ADA ROUTE
- PROPOSED PARKING SPACES
- EXISTING PARKING SPACES
- EXISTING CART CORRAL

#### LEGEND

- PROPOSED CART CORRAL
- NEW BUILDING EXPANSION
- EXISTING LIGHT POLE
- EXISTING SPRINKLER CONTROL
- EXISTING ELECTRICAL OUTLET
- PROPOSED WATER LINE
- PROPOSED STORM DRAIN LINE
- PROPOSED SEWER LINE
- PROPOSED GAS LINE
- EXISTING FIBER OPTIC LINE
- EXISTING GAS LINE
- EXISTING ELECTRICAL LINE
- EXISTING TELEPHONE LINE
- EXISTING WATER LINE
- EXISTING SEWER LINE
- EXISTING STORM DRAIN LINE
- EXISTING SEWER MANHOLE
- EXISTING SEWER CLEANOUT
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER METER

CALL UTILITY NOTIFICATION CENTER OF COLORADO  
**1-800-922-1967**  
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

P:\3079\0068 Aurora, CO\CAD\Project Data\Production Drawings\MP PLANS\BCC3.01-C3.02-SF.dwg Sep 21, 2010 - 12:36pm

ADM. AMT 10/10

Aurora Wal-Mart 89-6022-11



ELECTRIFY AMERICA, LLC.  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VIRGINIA 20191



**BLACK & VEATCH**

6800 W 115th ST, SUITE 2292  
OVERLAND PARK, KS 66211  
(913) 458-2000

**CO200026 AURORA  
INSTALLATION OF ELECTRIC VEHICLE CHARGING EQUIPMENT  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012**

**SITE INFORMATION**

**EV SITE ADDRESS:**  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012

**COUNTY:**  
ARAPAHOE

**PROPERTY OWNER:**  
WALMART REAL ESTATE  
BUSINESS TRUST.

**EQUIPMENT SUPPLIER:**  
ELECTRIFY AMERICA, LLC.  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VIRGINIA 20191

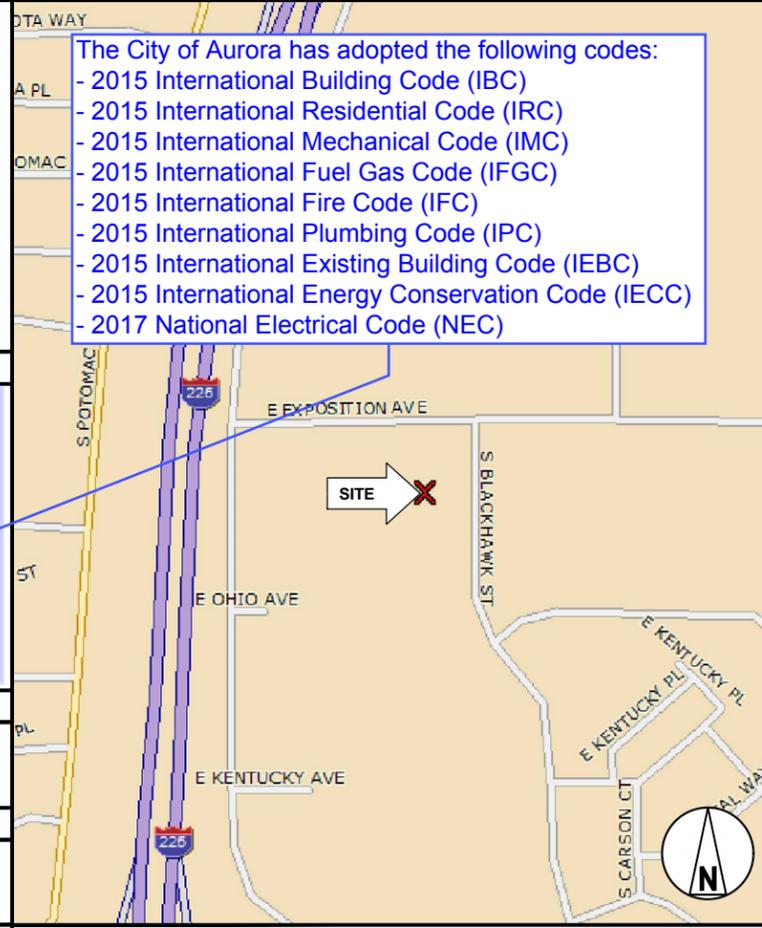
**POWER COMPANY:**  
XCEL ENERGY  
JEREMY VAN DENACK  
(720) 240-5255

**LATITUDE (NAD83):**  
39° 42' 11.60" N  
39.703209°

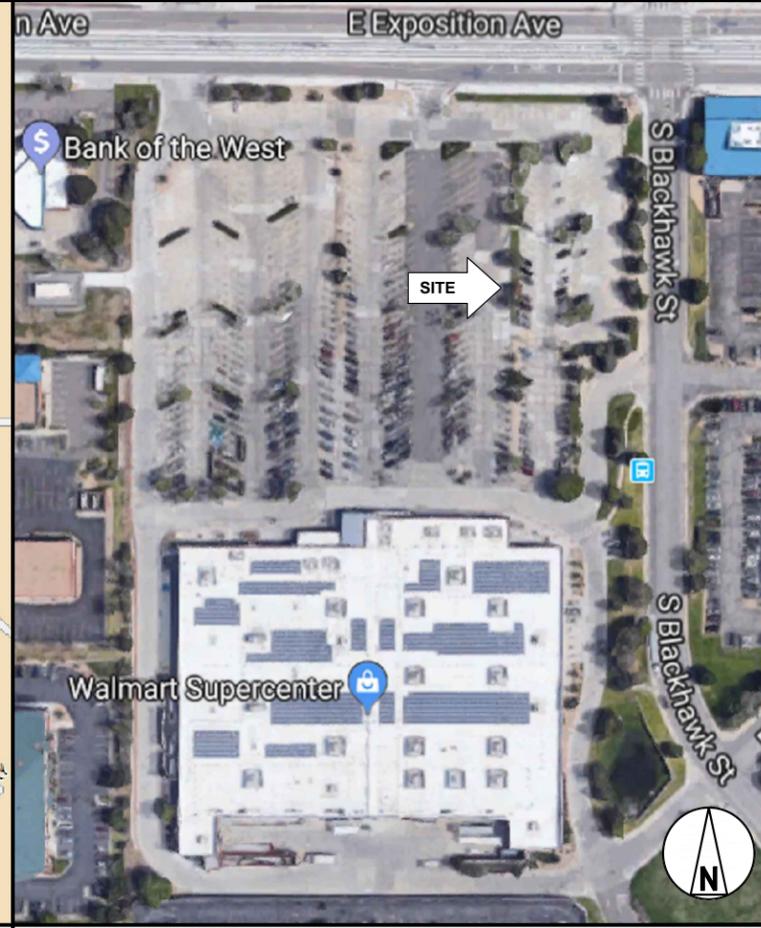
**LONGITUDE (NAD83):**  
104° 49' 32.40" W  
-104.825657°

**CONTACT ENGINEER:**  
RUSSELL POLLOM  
(913) 458-6274  
POLLOMRE@BV.COM

**AREA MAP**



**LOCATION MAP**



**PROJECT DESCRIPTION**

- INSTALL (1) UTILITY TRANSFORMER
- INSTALL (1) UTILITY METER
- INSTALL (1) SWITCHBOARD ASSEMBLY
- INSTALL (3) 150KW BTC POWER UNITS
- INSTALL (3) 150KW BTC DISPENSERS
- INSTALL (1) LEVEL 2 CHARGER

**DRAWING INDEX**

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LS-1	LANDSCAPING PLAN, DETAILS & PLANT SCHEDULE	C

**APPLICABLE CODES**

ALL WORK SHALL COMPLY WITH THE FOLLOWING APPLICABLE CODES:

2012 INTERNATIONAL BUILDING CODE (IBC)  
2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)  
2012 INTERNATIONAL PLUMBING CODE (IPC)  
2012 INTERNATIONAL MECHANICAL CODE (IMC)  
2017 NATIONAL ELECTRIC CODE (NEC)  
2003 ANSI (AS REFERENCED IN THE 2009 IBC)  
2012 INTERNATIONAL FIRE CODE

IN THE EVENT OF CONFLICT, THE MOST RESTRICTIVE CODE SHALL PREVAIL

**ZONING INFORMATION**

**PERMITTING JURISDICTION:** CITY OF AURORA  
**ZONING CLASS:** CCZD - CORE

**FLOOD HAZARD AREA NOTE**

THIS SITE IS LOCATED IN FLOOD ZONE "X". AREA DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOOD PLAIN.

**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.

**CALL BEFORE YOU DIG**

UNDERGROUND SERVICE ALERT  
UTILITY NOTIFICATION CENTER OF COLORADO  
811 OR 1-800-922-1987  
3 WORKING DAYS UTILITY NOTIFICATION PRIOR TO CONSTRUCTION

**DO NOT SCALE DRAWINGS**

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.

11"x17" PLOT WILL BE HALF SCALE UNLESS NOTED

**FOR REFERENCE ONLY DRAWINGS**

PROPERTY SURVEY  
STAGING PLAN

**ENGINEER OF RECORD**

GARY SOMMERFELD  
PE # 0045164  
BLACK & VEATCH CORPORATION

PROJECT NO: 197479  
DRAWN BY: TMJ  
CHECKED BY: NMB

REV	DATE	DESCRIPTION
C	11/07/18	ISSUED FOR 90% REVIEW
B	10/25/18	REISSUED FOR 30% REVIEW
A	10/18/18	ISSUED FOR 30% REVIEW

**NOT TO BE USED  
FOR CONSTRUCTION**

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

CO200026 AURORA  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012

SHEET TITLE  
**TITLE SHEET & PROJECT DATA**

SHEET NUMBER  
**T-1**

**GENERAL CONSTRUCTION NOTES**

- FOR THE PURPOSE OF CONSTRUCTION DRAWINGS, THE FOLLOWING DEFINITIONS SHALL APPLY  
GENERAL CONTRACTOR: OVERLAND CONTRACTING INC. (BLACK & VEATCH)  
CONTRACTOR: (CONSTRUCTION)  
OWNER: ELECTRIFY AMERICA
- ALL SITE WORK SHALL BE COMPLETED AS INDICATED ON THE DRAWINGS.
- THE GENERAL CONTRACTOR SHALL VISIT THE SITE AND SHALL FAMILIARIZE THEMSELVES WITH ALL CONDITIONS AFFECTING THE PROPOSED WORK AND SHALL MAKE PROVISIONS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
- 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.
- ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES, AND APPLICABLE REGULATIONS.
- UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
- 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.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
- IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE CONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE ENGINEER PRIOR TO PROCEEDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF WORK AREA, ADJACENT AREAS AND BUILDING OCCUPANTS THAT ARE LIKELY TO BE AFFECTED BY THE WORK UNDER THIS CONTRACT. WORK SHALL CONFORM TO ALL OSHA REQUIREMENTS AND THE LOCAL JURISDICTION.
- THE GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES.
- CONSTRUCTION SHALL BE DONE IN A WORKMANLIKE MANNER BY COMPETENT EXPERIENCED WORKMAN IN ACCORDANCE WITH APPLICABLE CODES AND THE BEST ACCEPTED PRACTICE.
- 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.
- THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CONSTRUCTION MANAGER 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL CONTACT UTILITY LOCATING SERVICES PRIOR TO THE START OF CONSTRUCTION.
- THE GENERAL CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS FOR ALL TRADES AND CONTRACTORS TO THE SITE AND/OR BUILDING.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF THE SITE FOR THE DURATION OF CONSTRUCTION UNTIL JOB COMPLETION.
- 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.
- 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.
- 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.

**GENERAL CONSTRUCTION NOTES CONT.**

- 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.
- 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.
- 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.
- 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.
- 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.
- ALL NECESSARY RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER.
- 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.
- THE CONTRACTOR SHALL SUBMIT A COMPLETE SET OF AS-BUILT REDLINES TO THE GENERAL CONTRACTOR UPON COMPLETION OF PROJECT AND PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL LEAVE PREMISES IN A CLEAN CONDITION.
- THE PROPOSED FACILITY WILL BE UNMANNED AND DOES NOT REQUIRE POTABLE WATER OR SEWER SERVICE, AND IS NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS REQUIRED).
- NO OUTDOOR STORAGE OR SOLID WASTE CONTAINERS ARE PROPOSED.
- CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS REQUIRED FOR CONSTRUCTION. IF CONTRACTOR CANNOT OBTAIN A PERMIT, THEY MUST NOTIFY THE GENERAL CONTRACTOR IMMEDIATELY.
- THE CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE ON A DAILY BASIS.
- 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.

**STRUCTURAL STEEL NOTES**

- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE: WIDE FLANGE SHAPE: A992, 50ksi  
ANGLE AND CHANNEL SHAPE: ASTM A36, 36 ksi  
PLATE: ASTM A36, 36ksi  
PIPE: ASTM A53 GRADE B, 35 ksi  
HSS: ASTM A500 GRADE B, 46ksi
- HIGH-STRENGTH BOLTS SHALL CONFORM TO ASTM A325: ONE HIGH-STRENGTH BOLT ASSEMBLY SHALL CONSIST OF A HEAVY HEX STRUCTURAL BOLT, A HEAVY NUT, A HARDENED WASHER CONFORMING TO ASTM F436. THE HARDENED WASHER SHALL BE INSTALLED AGAINST ELEMENT TURNED IN TIGHTENING. UNLESS NOTED OTHERWISE ON THE DRAWINGS, ALL CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.
- WELDING ELECTRODES SHALL COMPLY WITH AWS D1.1 USING A5.1 OR A5.5 E70XX AND SHALL BE COMPATIBLE WITH THE WELDING PROCESS SELECTED. WELDERS SHALL BE QUALIFIED AS PRESCRIBED IN AWS D1.1.
- UNLESS NOTED OTHERWISE ON THE DRAWING, ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36, WITH HEAVY HEXAGONAL NUT.
- FABRICATE ITEMS OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC SPECIFICATION.
- ALL EXPOSED STRUCTURAL STEEL, BOLTS, AND HARDWARE SHALL BE HOT DIP GALVANIZED PER ASTM A123.
- SUBMIT FABRICATION AND ERECTION DRAWINGS SHOWING ALL DETAILS, CONNECTIONS, MATERIAL DESIGNATIONS, AND TOP STEEL ELEVATIONS FOR APPROVAL. THE SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL CONFORMANCE TO THE CONTRACT DRAWINGS. SUCH APPROVAL SHALL NOT RELIEVE THE FABRICATOR/CONTRACTOR OF THE RESPONSIBILITY FOR EITHER THE ACCURACY OF THE DETAILED DIMENSIONS IN THE SHOP AND ERECTION DRAWINGS OR THE GENERAL FIT-UP OF PARTS THAT ARE TO BE ASSEMBLED IN THE FIELD.
- PRIMER SHALL BE RED OXIDE-CHROMATE PRIME COMPLYING WITH STEEL STRUCTURES PAINTING COUNCIL (SSPC) PAINT SPECIFICATION NUMBER 11

**CONCRETE MASONRY NOTES**

- CONCRETE MASONRY UNITS SHALL BE MEDIUM WEIGHT UNITS CONFORMING TO ASTM C90, GRADE N-1, (F'M=1,500 PSI), MEDIUM WEIGHT. (115 PCF)
- MORTAR SHALL BE TYPE "S" ABOVE GRADE, TYPE "M" BELOW GRADE CONFORMING TO ASTM C270. (MINIMUM 2,000 PSI AT 28 DAYS)
- GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS CONFORMING TO ASTM C476.
- ALL CELLS CONTAINING REINFORCING STEEL OR EMBEDDED ITEMS, ALL CELLS IN RETAINING WALLS, AND WALLS BELOW GRADE SHALL BE SOLID GROUTED.
- ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS.
- WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1-1/2" BELOW TOP OF THE UPPERMOST UNIT.
- ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.
- PROVIDE INSPECTION AND CLEAN-OUT HOLES AT BASE OF VERTICAL CELLS HAVING GROUT LIFTS IN EXCESS OF 4'-0" OF HEIGHT.
- ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR.
- CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
- REINFORCING BARS - SEE NOTES UNDER "REINFORCED CONCRETE NOTES" FOR REQUIREMENTS. REINFORCEMENT SHALL BE PLACED PRIOR TO GROUTING. LAP SPLICES SHALL BE 48 BAR DIAMETERS, MINIMUM.
- PROVIDE ONE BAR DIAMETER (A MINIMUM OF 1/2") GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS.
- LOW LIFT CONSTRUCTION, MAXIMUM GROUT POUR HEIGHT IS 4 FEET.
- HIGH LIFT GROUTED CONSTRUCTION MAY BE USED IN CONFORMANCE WITH PROJECT SPECIFICATIONS AND SECTION 2104 OF IBC.
- ALL CELLS IN CONCRETE BLOCKS SHALL BE FILLED SOLID WITH GROUT, EXCEPT AS NOTED IN THE DRAWINGS OR SPECIFICATIONS.
- CELLS SHALL BE IN VERTICAL ALIGNMENT, DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CELLS CONTAINING REINFORCING STEEL.
- REFER TO DRAWINGS FOR SURFACE AND HEIGHT OF UNITS, LAYING PATTERN AND JOINT TYPE.
- SAND SHALL BE CLEAN, SHARP AND WELL GRADED, FREE FROM INJURIOUS AMOUNTS OF DUST, LUMPS, SHALE, ALKALI OR ORGANIC MATERIAL.
- ALL MORTAR FIN OBSTRUCTIONS AND DEBRIS SHALL BE CLEANED FROM INSIDE OF CELLS PRIOR TO GROUTING.

**REINFORCED CONCRETE NOTES**

- CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS UNLESS OTHERWISE NOTED CONTINUOUS INSPECTION IS NOT REQUIRED. SLUMP: 4" MIN / 6" MAX.  
AIR ENTRAINMENT: 4 1/2% - 7% BY VOLUME
- REINFORCEMENT SHALL BE A NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM SPECIFICATION A615 GRADE 60, MAXIMUM COARSE AGGREGATE SIZE SHALL BE 3/4".
- REINFORCEMENT SHALL COMPLY WITH THE LATEST EDITION OF ACI 318 FOR MINIMUM CLEARANCES AND CONCRETE COVER.
- ALL EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION PRIOR TO PLACEMENT OF CONCRETE. ALL CONCRETE SHALL BE READY-MIXED IN ACCORDANCE WITH ASTM C94.
- MAINTAIN TEMPERATURE OF CAST IN PLACE CONCRETE BETWEEN 50 DEGREES AND 90 DEGREES FAHRENHEIT.
- DO NOT USE RETEMPERED CONCRETE, OR ADD WATER TO READY-MIX CONCRETE AT THE JOB SITE.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- EXCEPT AS DETAILED OR AUTHORIZED, MAKE BARS CONTINUOUS AROUND CORNERS WHERE PERMITTED, SPLICES MADE BY CONTACT LAPS SHALL BE CLASS "B" TENSION LAPS UNLESS NOTED OTHERWISE.
- DETAIL BARS IN ACCORDANCE WITH "ACI DETAILING MANUAL", PUBLICATION SP-66 AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", ACI 318.
- PROVIDE ACCESSORIES NECESSARY TO PROPERLY SUPPORT REINFORCING.
- EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE CONCRETE PAD ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PRE-FABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.



ELECTRIFY AMERICA, LLC.  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
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**BLACK & VEATCH**

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(913) 458-2000

PROJECT NO:	197479
DRAWN BY:	TMJ
CHECKED BY:	NMB

REV	DATE	DESCRIPTION
C	11/07/18	ISSUED FOR 90% REVIEW
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**CO200026 AURORA  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012**

SHEET TITLE  
**GENERAL NOTES 1**

SHEET NUMBER  
**GN-1**

**ANCHORAGE INSTALLATION NOTES**

1. DRILLING THROUGH EXISTING SLAB REBAR DURING POST-INSTALLED ANCHOR BOLTS INSTALLATION IS NOT PERMITTED.
2. POST-INSTALLED ANCHOR BOLT INSTALLATION SHALL BE PERFORMED BY PERSONNEL TRAINED TO INSTALL THE SYSTEM PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), AS INCLUDED IN THE ANCHOR PACKAGING.
3. EXPANSION AND ADHESIVE ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS USING STANDARD EMBEDMENTS AND EDGE DISTANCES UNLESS NOTED OTHERWISE ON THE DRAWINGS.

**CONCRETE SIDEWALK CONSTRUCTION REQUIREMENTS**

1. **PLACING AND FINISHING CONCRETE**  
THE CONTRACTOR SHALL PROVIDE ADEQUATE TOOLS AND EQUIPMENT TO PRODUCE QUALITY WORKMANSHIP IN PLACING AND FINISHING CONCRETE. THE SIDEWALK AND RAMPS SHALL BE FINISHED TO THE TOP OF THE FORMS AND THE SURFACE FINISHED WITH A WOOD OR STEEL FLOAT AND SURFACE TEXTURE SHALL BE A COURSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE SIDEWALK OR RAMP. NO "PLASTERING" OF THE SURFACE SHALL BE PERMITTED.
2. **CONTRACTION JOINTS**  
THE SIDEWALK SURFACE SHALL BE MARKED OFF INTO NOMINAL SQUARES OF DIMENSION TO THE WIDTH OF THE SIDEWALK WITH A MAXIMUM DISTANCE BETWEEN JOINTS OF SEVEN FEET SAWING JOINTS, THE CONTRACTOR SHALL BEGIN AS SOON AS THE CONCRETE HARDENS SUFFICIENTLY TO PREVENT EXCESSIVE RAVELING ALONG THE SAW CUT AND SHALL FINISH BEFORE CONDITIONS INDUCE UNCONTROLLED CRACKS, REGARDLESS OF THE TIME OR WEATHER.
3. **EXPANSION JOINTS**  
EXPANSION JOINTS SHALL BE CONSTRUCTED AT LOCATIONS WHERE THE SIDEWALK ABUTS EXISTING CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES, AND EVERY TWO HUNDRED FIFTY FEET AND AS SHOWN ON APPROVED PLANS. EXPANSION JOINTS SHALL BE FORMED WITH ONE-HALF INCH PREFABRICATED NON-EXTRUDING FILLER AND SHALL EXTEND THE FULL DEPTH OF THE SLAB.

**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.

- 1.1 REFERENCES:
  - A. 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).
- 1.2 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).
- 1.3 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 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.

**GENERAL SITE WORK NOTES CONT.**

**PART 2 - PRODUCTS**

- 2.1 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.
- 2.2 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 .
- 2.3 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
- 2.4 GRANULAR BEDDING – WELL-GRADED SAND MEETING THE GRADATION REQUIREMENT OF ASTM C 33 FINE AGGREGATE.
- 2.5 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 .
- 2.6 BACKFILL – PRODUCTS MEETING THE REQUIREMENTS OF SUITABLE MATERIAL, GRANULAR BEDDING, GRANULAR BACKFILL OR CLSM.
- 2.7 TOPSOIL – SOIL WITH AN ORGANIC CONTENT SUFFICIENT TO ALLOW VEGETATIVE GROWTH.

**PART 3 - EXECUTION**

- 3.1 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.
- 3.2 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.

**GENERAL SITE WORK NOTES CONT.**

- 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.
- 3.3 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.
  - 3.4 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
  - 3.5 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.
  - 3.6 ASPHALT PAVING ROAD:
 

COLORADO STANDARD SPECIFICATIONS

DIVISION 400 - CDOT PAVEMENT

    - A. CONTRACTOR RESPONSIBLE FOR RE-STRIPING AND APPLYING SEALCOATING, UNLESS OTHERWISE SPECIFIED.



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SHEET TITLE  
**GENERAL NOTES 2**

SHEET NUMBER  
**GN-2**

**ELECTRICAL NOTES**

1. THE ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ANY/ALL ELECTRICAL WORK INDICATED. ANY/ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND ANY/ALL APPLICABLE SPECIFICATIONS. IF ANY PROBLEMS ARE ENCOUNTERED BY COMPLYING WITH THESE REQUIREMENTS, CONTRACTOR SHALL NOTIFY 'CONSTRUCTION MANAGER' AS SOON AS POSSIBLE, AFTER THE DISCOVERY OF THE PROBLEMS, AND SHALL NOT PROCEED WITH THAT PORTION OF WORK, UNTIL THE 'CONSTRUCTION MANAGER' HAS DIRECTED THE CORRECTIVE ACTIONS TO BE TAKEN.
2. THE ELECTRICAL CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH ANY/ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATION INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. THE CONDITION OF EXISTING ELECTRICAL EQUIP., LIGHT FIXTURES, ETC., THAT ARE PART OF THE FINAL SYSTEM, SHALL BE VERIFIED BY THE CONTRACTOR, PRIOR TO THE SUBMITTAL OF HIS BID. FAILURE TO COMPLY WITH THIS PARAGRAPH WILL IN NO WAY RELIEVE CONTRACTOR OF PERFORMING ALL WORK NECESSARY FOR A COMPLETE AND WORKING SYSTEM.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEC AND ALL CODES AND LOCAL ORDINANCES OF THE LOCAL POWER COMPANIES HAVING JURISDICTION AND SHALL INCLUDE BUT NOT BE LIMITED TO:
  - A. UL - UNDERWRITERS LABORATORIES
  - B. NEC - NATIONAL ELECTRICAL CODE
  - C. NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
  - D. OSHA - OCCUPATIONAL SAFETY AND HEALTH ACT
  - E. SBC - STANDARD BUILDING CODE
  - F. NFPA - NATIONAL FIRE PROTECTION ASSOCIATION
4. DO NOT SCALE ELECTRICAL DRAWINGS, REFER TO SITE PLANS AND ELEVATIONS FOR EXACT LOCATIONS OF ALL EQUIPMENT, BUT CONFIRM WITH 'CONSTRUCTION MANAGER' ANY SIZES AND LOCATIONS WHEN NEEDED.
5. EXISTING SERVICES: THE CONTRACTOR SHALL NOT INTERRUPT EXISTING SERVICES WITHOUT WRITTEN PERMISSION OF THE OWNER.
6. THE CONTRACTOR SHALL PAY FOR ANY/ALL PERMITS, FEES, INSPECTIONS AND TESTING. THE CONTRACTOR IS TO OBTAIN PERMITS AND APPROVED SUBMITTALS PRIOR TO THE WORK BEGINNING OR ORDERING THE EQUIPMENT.
7. THE TERM "PROVIDE" USED IN CONSTRUCTION DOCUMENTS AND SPECIFICATIONS, INDICATES THAT THE CONTRACTOR SHALL FURNISH AND INSTALL.
8. THE CONTRACTOR SHALL CONFIRM WITH LOCAL UTILITY COMPANY ANY/ALL REQUIREMENTS SUCH AS THE: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, SIZE OF TRANSFORMERS, SCHEDULED DOWNTIME FOR THE OWNERS' CONFIRMATION, ETC. ANY/ALL CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER, PRIOR TO BEGINNING ANY WORK.
9. CONDUCTORS: CONTRACTOR SHALL USE 98% CONDUCTIVITY COPPER OR ALUMINUM WITH TYPE (THWN-2) INSULATION, 600 VOLT, COLOR CODED UNLESS SPECIFIED DIFFERENTLY ON DRAWINGS.
10. ALL (THWN-2) WIRING INSTALLATIONS TO FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.
11. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET/DAMP LOCATIONS AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS.
12. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION. CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS FOR THE EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. CONTRACTOR IS TO PROVIDE ALL ELECTRICAL EQUIPMENT UNLESS OTHERWISE DIRECTED.
13. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST CLASS, WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL AND SUBJECT TO REGULATORY INSPECTION AND APPROVAL BY CONSTRUCTION MANAGER.
14. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
15. CONTRACTOR SHALL GUARANTEE ANY/ALL MATERIALS AND WORK FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE OF ACCEPTANCE.
16. THE CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ANY ADDITIONAL CHARGE AND SHALL INCLUDE THE REPLACEMENT OR THE REPAIR OF ANY OTHER PHASE OF THE INSTALLATION, WHICH MAY HAVE BEEN DAMAGED THEREIN.
17. ADEQUATE AND REQUIRED LIABILITY INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST PUBLIC LOSS AND ANY/ALL PROPERTY DAMAGE FOR THE DURATION OF WORK.
18. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER PLATES AND DEVICES FOR ALL OUTLETS AS INDICATED.
19. TRENCHING AND BACKFILL: THE CONTRACTOR SHALL PROVIDE FOR ALL UNDERGROUND INSTALLED CONDUIT AND/OR CABLES INCLUDING EXCAVATION AND BACKFILLING AND COMPACTION. REFER TO GENERAL SITE WORK NOTES.
20. MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SHALL APPEAR ON THE LIST OF U.L. APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE NEC, NEMA AND IEEE.
21. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR MANUFACTURERS CATALOG INFORMATION OF ANY/ALL LIGHTING FIXTURES, SWITCHES AND ALL OTHER ELECTRICAL ITEMS FOR APPROVAL BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION.

**ELECTRICAL NOTES CONT.**

22. ANY CUTTING OR PATCHING DEEMED NECESSARY FOR ELECTRICAL WORK IS THE ELECTRICAL CONTRACTORS RESPONSIBILITY AND SHALL BE INCLUDED IN THE COST FOR WORK AND PERFORMED TO THE SATISFACTION OF THE 'CONSTRUCTION MANAGER' UPON FINAL ACCEPTANCE.
23. THE ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS WITH ONLY TYPEWRITTEN DIRECTORIES.
24. DISCONNECT SWITCHES SHALL BE H.P. RATED HEAVY-DUTY, QUICK-MAKE AND QUICK-BREAK ENCLOSURES, AS REQUIRED BY EXPOSURE TYPE.
25. ALL CONNECTIONS EXCEPT THE EV CHARGE CABLE TERMINATION IN THE CHARGE POST SHALL BE MADE WITH A PROTECTIVE COATING OF AN ANTI-OXIDE COMPOUND SUCH AS "NOALOX" BY IDEAL INDUSTRIAL INC., COAT ALL WIRE SURFACES BEFORE CONNECTING. EXPOSED ALUMINUM & COPPER SURFACES, INCLUDING GROUND BARS, SHALL BE TREATED - NO SUBSTITUTIONS.
26. ALL EXTERIOR AND INTERIOR ABOVE GROUND CONDUIT SHALL BE RIGID UNLESS SPECIFIED OTHERWISE. ALL BURIED CONDUITS SHALL BE SCH 40 PVC UNLESS SPECIFIED OTHERWISE.
27. RACEWAYS: CONDUIT SHALL BE SCHEDULE 40 PVC, MEETING OR EXCEEDING NEMA TC2 - 1990. THE CONTRACTOR SHALL PLUG AND CAP EACH END OF SPARE AND EMPTY CONDUITS AND PROVIDE TWO SEPARATE PULL STRINGS - 200 LBS TEST POLYETHYLENE CORD. ALL CONDUIT BENDS SHALL BE A MINIMUM OF 3 FT. RADIUS. RGS CONDUITS WHEN SPECIFIED, SHALL MEET UL-6 FOR GALVANIZED STEEL. ALL FITTINGS SHALL BE SUITABLE FOR USE WITH THREADED RIGID CONDUIT. COAT ALL THREADS WITH 'BRITZ ZINC' OR 'GOLD GALV'.
28. SUPPORT OF ALL ELECTRICAL WORK SHALL BE AS REQUIRED BY NEC.
29. CONNECTORS FOR POWER CONDUCTORS: CONTRACTOR SHALL USE PRESSURE TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER. USE SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.
30. THE CONTRACTOR SHALL PLACE TWO LENGTHS OF WARNING TAPE AT A DEPTH OF 12" BELOW GROUND AND DIRECTLY ABOVE ELECTRICAL SERVICE CONDUITS. CAUTION TAPE TO READ "CAUTION BURIED ELECTRIC".
31. WHEN DIRECTIONAL BORING IS REQUIRED, CONTRACTOR SHALL INSTALL A LOOSE TONING WIRE WITHIN INSTALLED CONDUIT TO ALLOW FOR IDENTIFICATION OF UNDERGROUND CONDUITS.
32. ALL BOLTS SHALL BE STAINLESS STEEL.
33. ALL MATERIALS AND EQUIPMENT SUPPLIED AND INSTALLED BY THE CONTRACTOR SHOULD BE NEW AND UNUSED.

**GROUNDING NOTES**

1. ALL HARDWARE SHALL BE STAINLESS STEEL 3/8" DIAMETER OR LARGER. ALL HARDWARE 18-8 STAINLESS STEEL INCLUDING LOCK WASHERS, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
2. FOR GROUND BOND TO STEEL ONLY: INSERT A CADMIUM FLAT WASHER BETWEEN LUG AND STEEL, COAT ALL SURFACES WITH AN ANTI-OXIDANT COMPOUND BEFORE MATING.
3. ENSURE THE WIRE INSULATION TERMINATION IS WITHIN 1/8" OF THE BARREL (NO SHINERS).
4. ALL BELOW GRADE BONDS TO BE EXOTHERMIC WELDS OR IRREVERSIBLE COMPRESSION TYPE CONNECTIONS LISTED FOR USE IN THE APPLICATION WHICH THEY ARE INSTALLED.

**IRRIGATION NOTES**

1. CONTRACTOR TO INSTALL IRRIGATION FOR PROPOSED LANDSCAPING BY TYING INTO NEAREST IRRIGATION SYSTEM. NEW LANDSCAPING TO BE INSTALLED AFTER INSTALLATION OF IRRIGATION SYSTEM.
2. INSTALLING ELECTRIC VEHICLE CHARGING STATIONS WILL MOST LIKELY AFFECT THE SITE'S IRRIGATION SYSTEM FOR A PERIOD OF TIME. TO ENSURE THE IRRIGATION SYSTEM IS WORKING AS WELL AS POSSIBLE, THE COMPANY INSTALLING THE EV CHARGING STATION MUST NOTIFY WALMART'S IRRIGATION MONITORING COMPANY AT THREE POINTS DURING CONSTRUCTION.
  - BEFORE DEMO BEGINS, THE INSTALLING COMPANY MUST CALL SC&A (615-469-0943) TO LET THEM KNOW THAT CONSTRUCTION IS STARTING AND DAMAGES MAY BE DONE TO THE IRRIGATION SYSTEM, AS WELL AS PROVIDE AN APPROXIMATE COMPLETION DATE.
  - WHEN IRRIGATION REPAIRS HAVE BEEN COMPLETED, THE INSTALLING COMPANY MUST CALL SC&A (615-469-0943) TO HAVE THE IRRIGATION SYSTEM TESTED REMOTELY TO MAKE SURE IT IS IN PROPER WORKING CONDITION.
  - WHEN CONSTRUCTION IS COMPLETE, THE INSTALLING COMPANY MUST CALL SC&A (615-469-0943) TO HAVE THE IRRIGATION SYSTEM TESTED REMOTELY TO MAKE SURE IT IS IN PROPER WORKING CONDITION.
  - AT ANY OF THE ABOVE TIMES, WALMART'S IRRIGATION MAINTENANCE CONTRACTOR MAY BE CONTACTED TO MEET THE INSTALLER ON SITE TO ENSURE PROPER WORKING OF THE IRRIGATION SYSTEM BEFORE THE INSTALLATION CAN BE CONSIDERED COMPLETE.
3. THE INSTALLING COMPANY AND THEIR IRRIGATION SUBCONTRACTOR WILL NOT HAVE ACCESS TO THE IRRIGATION CONTROLLER ON SITE. IF A STATION NEEDS TO BE TURNED ON OR OFF, TESTED, OR RUN, THE INSTALLING COMPANY MUST CALL SC&A (615-469-0943) TO HAVE THESE THINGS DONE REMOTELY.
4. THE INSTALLING COMPANY CANNOT TURN OFF THE IRRIGATION SYSTEM OR THE WATER WITHOUT NOTIFYING SC&A (615-469-0943). WALMART HAS THE RIGHT TO PROTECT THEIR PLANT MATERIAL BY USING THE IRRIGATION SYSTEM AND THE INSTALLED CANNOT IMPEDE THAT PROTECTION. THE MONITORING COMPANY WILL BE ALERTED BY THE CONTROLLER IF THE WATER OR THE CONTROLLER IS TURNED OFF.

**WALMART DESIGN GUIDELINES**

1. REFER TO THE PROJECT AREA STALL COUNT TABLE ON SHEET C-3 FOR THE PRE-APPROVED WALMART STALL COUNT.
2. IF EXISTING LIGHTING IS DETERMINED TO FALL BELOW THE 2.0-4.5 FC RANGE, ADDITIONAL LIGHTING WILL BE ADDED. REFER TO SHEET C-3 FOR PROPOSED LIGHT POLES (IF APPLICABLE).
3. REFER TO THE NOTES SECTION OF WALMART STAGING PLAN REFERENCE SHEET AND SHEET E-1 FOR TRENCHING/BORING INSTRUCTIONS. REFER TO SHEET E-4 FOR TRENCHING UNDER ASPHALT WITH FLOWABLE BACKFILL DETAIL.
4. REFER TO NOTES SECTION OF SHEET C-3 FOR SLOPE REQUIREMENTS (IF ACCESSIBLE STALL IS CLEARLY IDENTIFIED.)



ELECTRIFY AMERICA, LLC.  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VIRGINIA 20191



**BLACK & VEATCH**

6800 W 115th ST, SUITE 2292  
OVERLAND PARK, KS 66211  
(913) 458-2000

PROJECT NO:	197479
DRAWN BY:	TMJ
CHECKED BY:	NMB

REV	DATE	DESCRIPTION
C	11/07/18	ISSUED FOR 90% REVIEW
B	10/25/18	REISSUED FOR 30% REVIEW
A	10/18/18	ISSUED FOR 30% REVIEW

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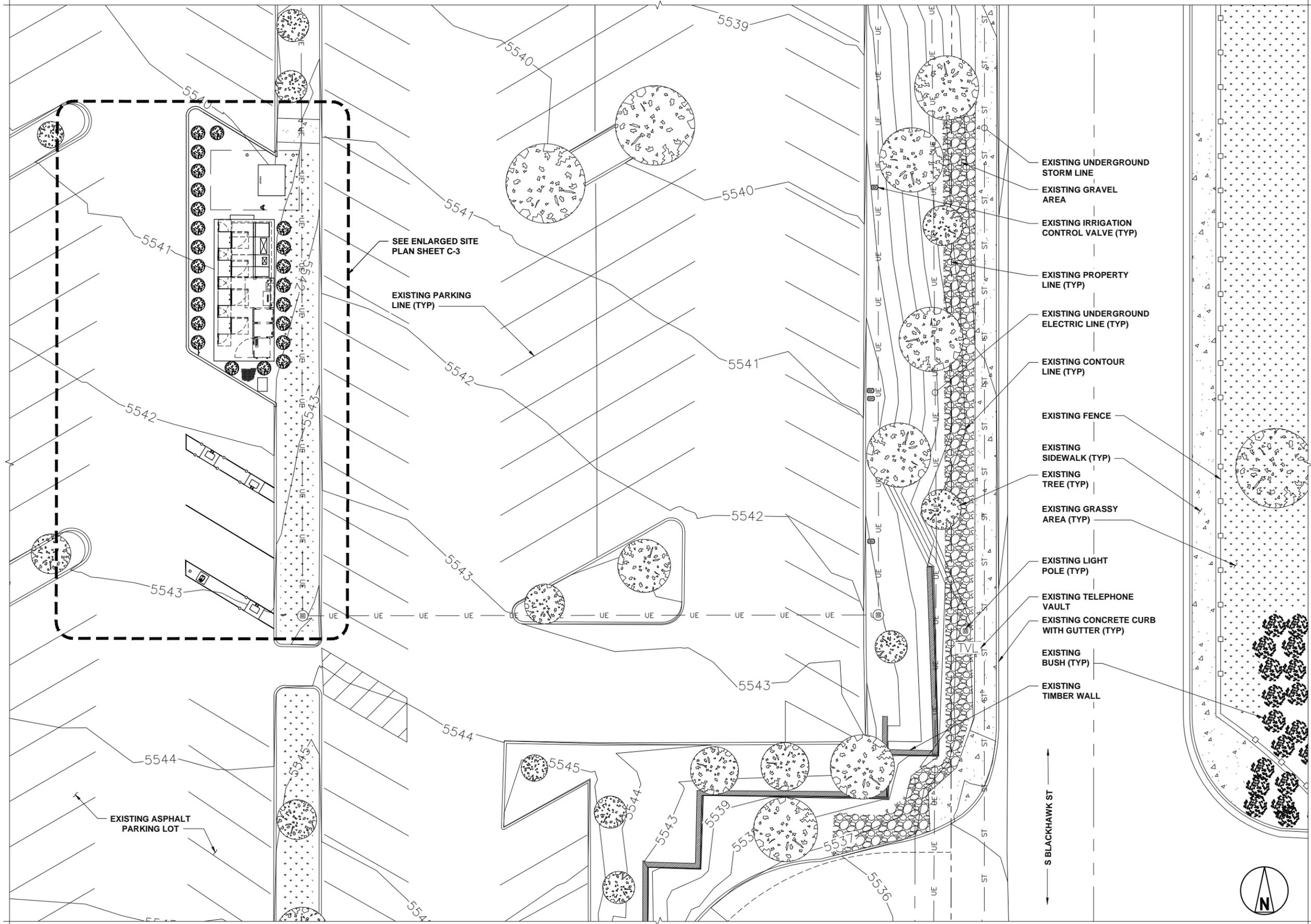
CO200026 AURORA  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012

SHEET TITLE  
**GENERAL NOTES 3**

SHEET NUMBER  
**GN-3**

**NOTE**

1. TRANSFORMER BOLLARD PROTECTION TO BE INSTALLED PER UTILITY SPECIFICATION. ADDITIONAL BOLLARD PROTECTION MAY BE REQUIRED AT THE DISCRETION OF THE UTILITY FIELD INSPECTION PERSONNEL.



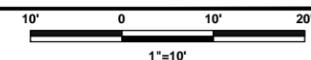
- EXISTING UNDERGROUND STORM LINE
- EXISTING GRAVEL AREA
- EXISTING IRRIGATION CONTROL VALVE (TYP)
- EXISTING PROPERTY LINE (TYP)
- EXISTING UNDERGROUND ELECTRIC LINE (TYP)
- EXISTING CONTOUR LINE (TYP)
- EXISTING FENCE
- EXISTING SIDEWALK (TYP)
- EXISTING TREE (TYP)
- EXISTING GRASSY AREA (TYP)
- EXISTING LIGHT POLE (TYP)
- EXISTING TELEPHONE VAULT
- EXISTING CONCRETE CURB WITH GUTTER (TYP)
- EXISTING BUSH (TYP)
- EXISTING TIMBER WALL

SEE ENLARGED SITE PLAN SHEET C-3

EXISTING PARKING LINE (TYP)

EXISTING ASPHALT PARKING LOT

**OVERALL SITE PLAN**



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14000 E. EXPOSITION AVE.  
AURORA, CO 80012

SHEET TITLE  
**OVERALL SITE PLAN**

SHEET NUMBER  
**C-1**

**NOTES**

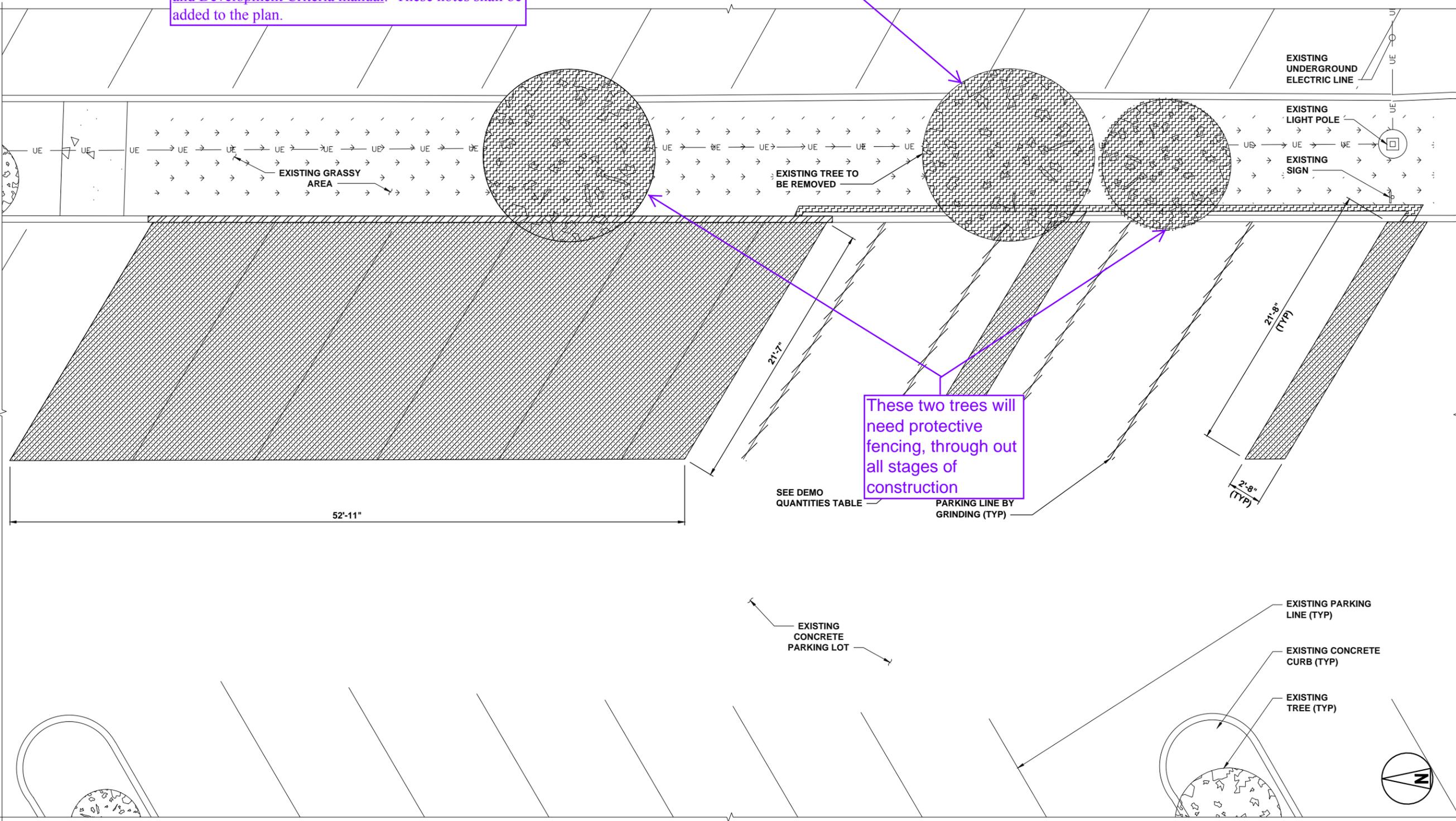
1. THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
2. ALL QUANTITIES LISTED IN DEMOLITION PLAN SHEET ARE ONLY APPROXIMATIONS. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES BEFORE BIDDING.

DEMO QUANTITIES TABLE		
	CONCRETE	122 SQ YDS
	CURB	26 SQ FT
	PARKING LINES	GRINDING
	LANDSCAPING	23 SQ FT

Any trees that are preserved on the site during construction activities shall follow the standard details for Tree Protection per the current Parks, Recreation & Open Space Dedication and Development Criteria manual. Parks, Recreation & Open Space Dedication and Development Criteria manual. These notes shall be added to the plan.

#1, 11" Austrian Pine - dead

These two trees will need protective fencing, through all stages of construction



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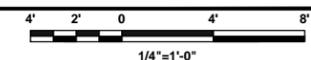
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SHEET TITLE  
**DEMOLITION SITE PLAN**

SHEET NUMBER  
**C-2**

DEMOLITION SITE PLAN



**NOTES**

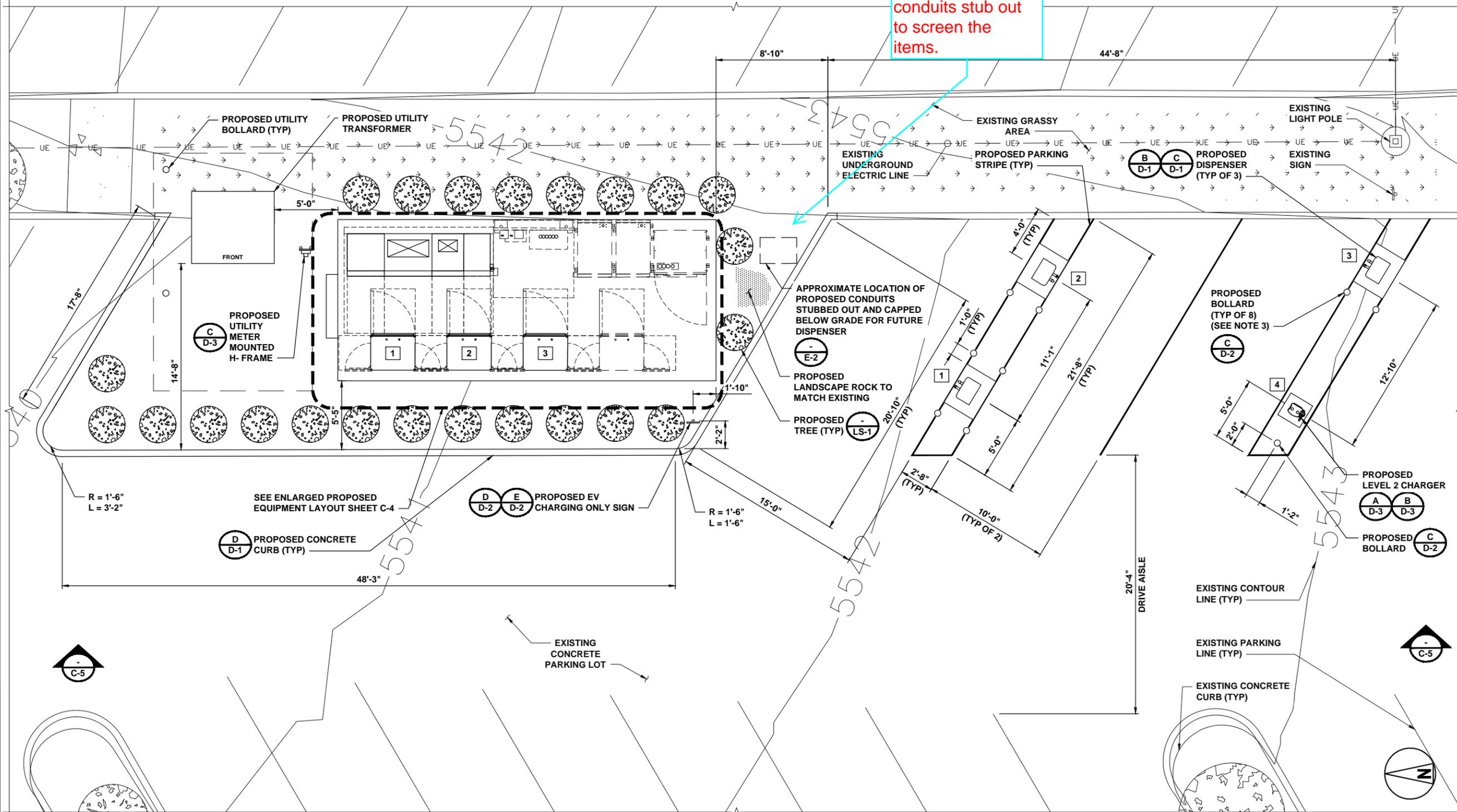
- SOD PLANTED IN THE FALL MUST ESTABLISH ITS ROOTS BEFORE THE FIRST WINTER FROST. DETERMINE WHEN THE FIRST FROST USUALLY OCCURS, AND PLANT THE SOD NO LATER THAN ONE MONTH BEFORE THE FIRST FROST. IF THE CONSTRUCTION IS FINISHED LATER THAN ONE MONTH BEFORE THE FIRST FROST, USE STRAW UNTIL SOD CAN BE INSTALLED.
- THE CONTRACTOR SHALL RETURN SIDEWALKS, LANDSCAPING, PLANTERS, IRRIGATION SYSTEMS, AND ANY OTHER FACILITIES DISTURBED BY THE WORK TO THE SAME OR BETTER CONDITION THAN EXISTED PRIOR TO THE COMMENCEMENT OF THE WORK.
- BOLLARD TO BE CENTERED ON PARKING STRIPE.

**PROJECT AREA STALL COUNT**

EXISTING STALL COUNT	9
PROPOSED STALL COUNT	3
APPROVED STALL COUNT	8

**PROPOSED DISPENSER**

DISPENSER NUMBER	150 KW	LEVEL 2	CABLE TYPE
1	1		CHAdcMO/ CCS
2	1		CCS
3	1		CCS
4		1	J1772



Please plant some shrubs around the conduits stub out to screen the items.



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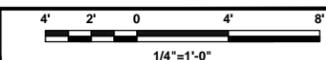
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SHEET TITLE  
**ENLARGED SITE PLAN**

SHEET NUMBER  
**C-3**

**ENLARGED SITE PLAN**





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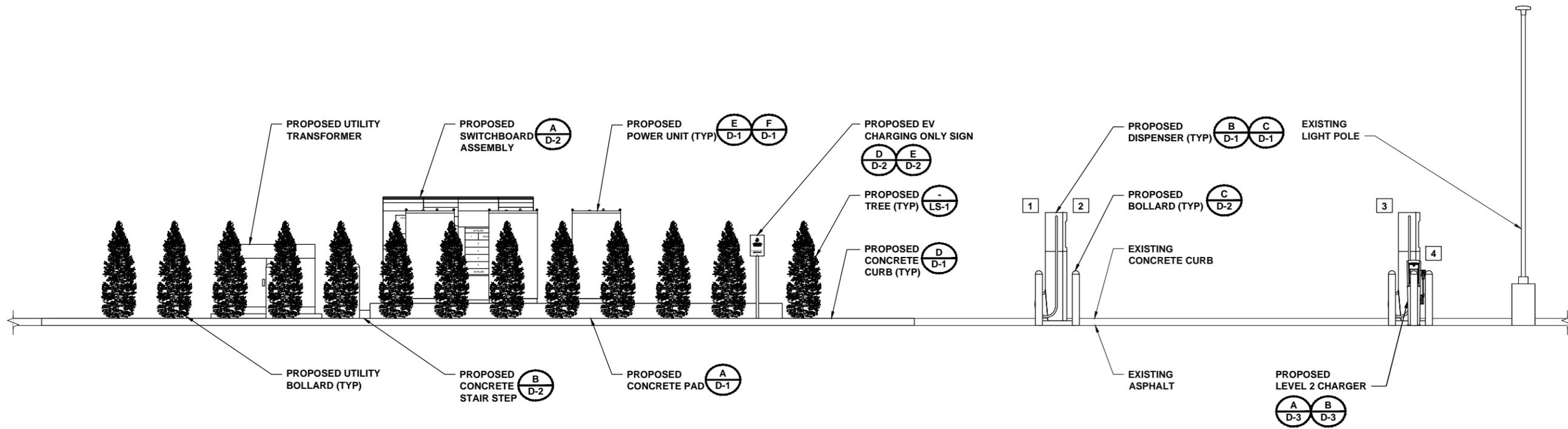
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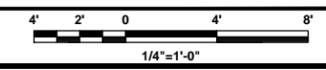
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SHEET TITLE  
**SITE ELEVATION**

SHEET NUMBER  
**C-5**

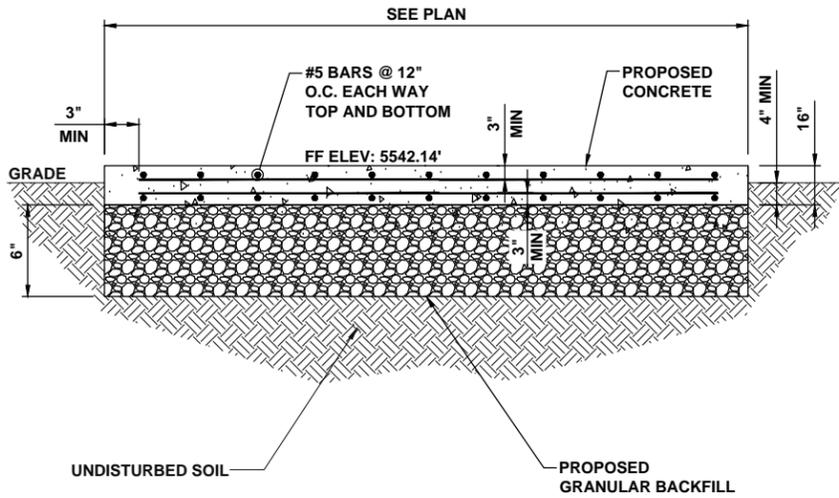


SITE ELEVATION



**NOTE**

1. FINISHED ELEVATIONS ARE APPROXIMATE. FOR GRADING ISSUES CONTACT ENGINEER OF RECORD.



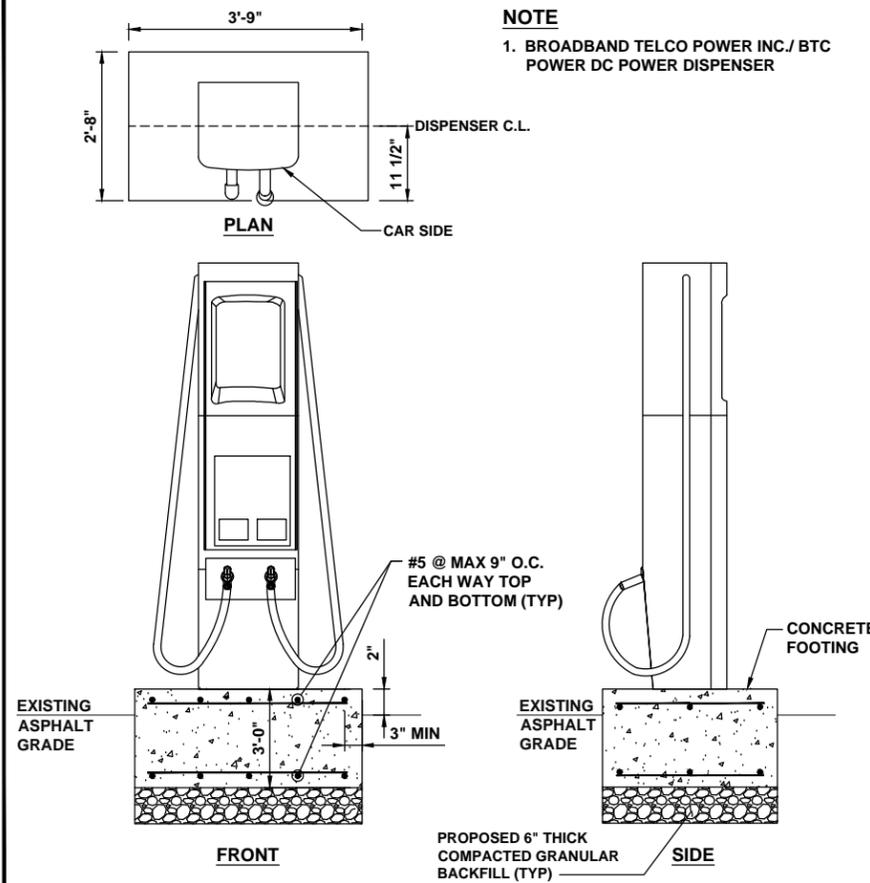
CONCRETE PAD DETAIL

NO SCALE

A

**NOTE**

1. BROADBAND TELCO POWER INC./ BTC POWER DC POWER DISPENSER



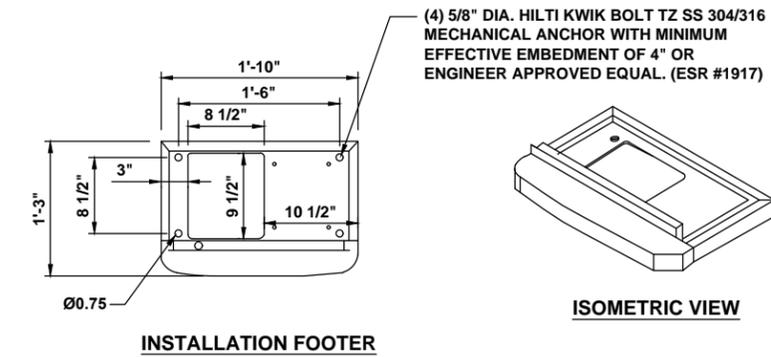
DISPENSER FOOTING DETAIL

NO SCALE

B

**NOTES**

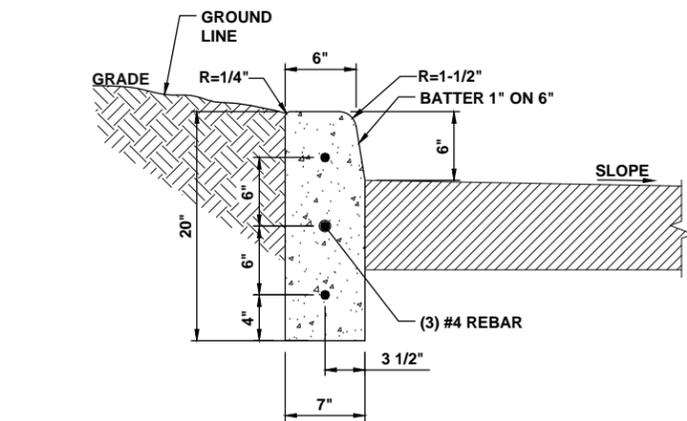
1. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORAGE IS 6".
2. CONTRACTOR TO FIELD VERIFY THE ANCHOR SPACING PER MANUFACTURER'S INSTALLATION MENU.



DISPENSER ANCHORAGE AND CONDUIT ENTRY DETAIL

NO SCALE

C



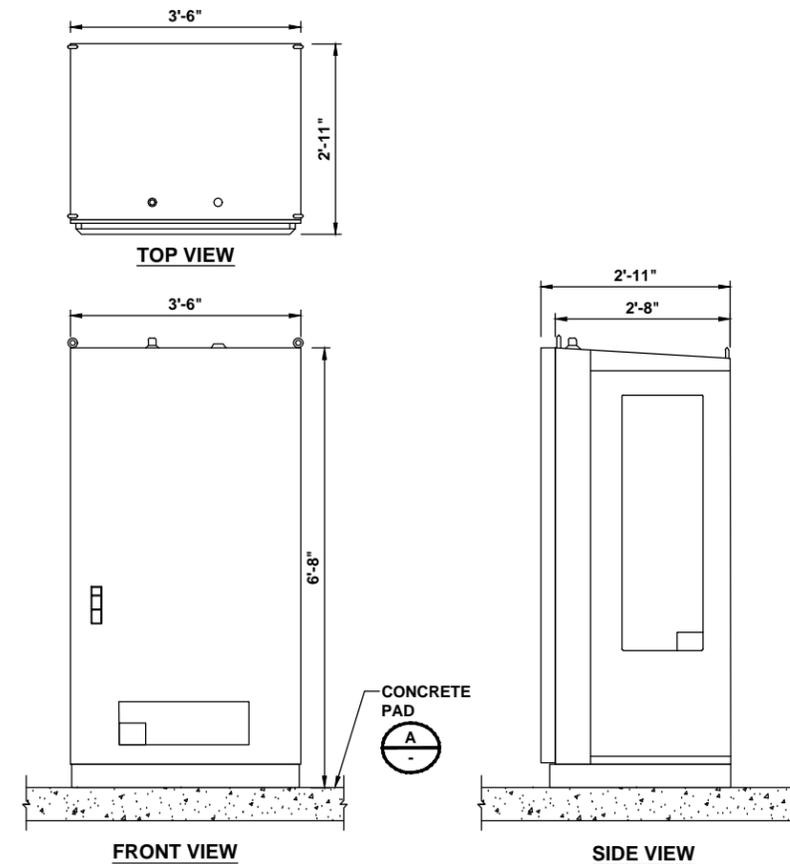
**NOTES**

1. BREAKUP AND REMOVE AREA TO BE REPAIRED/REPLACED TO THE NEAREST JOINT OR SAW CUT. DISPOSE OF DEBRIS OFF SITE.
2. INSTALL FORMS AS NECESSARY.
3. COMPACT EXISTING SUBGRADE MATERIAL TO ACHIEVE 95% COMPACTION.
4. POUR CONCRETE USING 3500 PSI AIR ENTRAINED CONCRETE TO MATCH EXISTING ADJACENT CURB.
5. INSTALL CONTROL JOINTS EVERY 10 LINEAR FEET.

STRAIGHT CURB DETAIL

NO SCALE

D



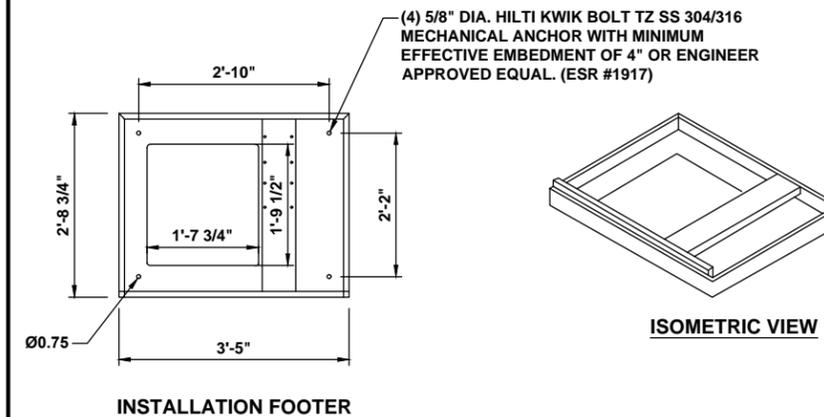
POWER UNIT DETAIL

NO SCALE

E

**NOTES**

1. MINIMUM CONCRETE EDGE DISTANCE FOR PROPOSED ANCHORAGE IS 6".
2. ALL DIMENSIONS ARE IN INCHES.



POWER UNIT ANCHORAGE AND CONDUIT ENTRY DETAIL

NO SCALE

F



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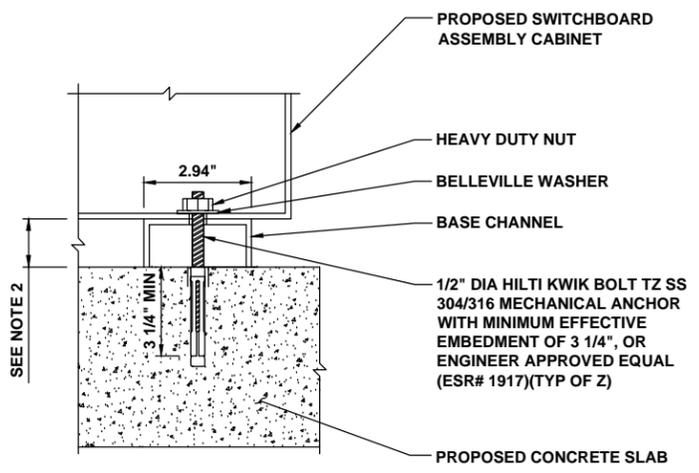
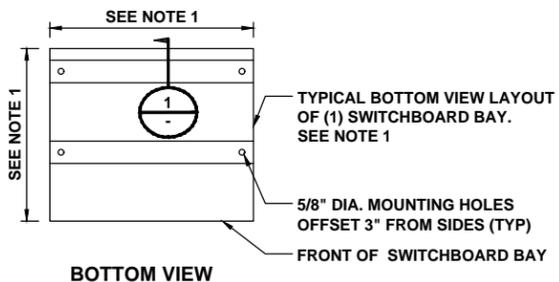
CO200026 AURORA  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012

SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**D-1**

**NOTES**

- SEE FLOOR PLAN IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR MOUNTING HOLE LOCATION AND SWITCHBOARD BAY DIMENSIONS.
- SEE ELEVATION IN REFERENCED SWITCHBOARD ASSEMBLY DRAWINGS FOR BASE CHANNEL DIMENSION.
- MINIMUM 10 1/2" CONCRETE EDGE DISTANCE REQUIRED FOR PROPOSED ANCHORAGE.



**SWITCHBOARD ANCHORAGE DETAIL**

NO SCALE

**A**

**CONCRETE STAIR DETAIL**

NO SCALE

**B**

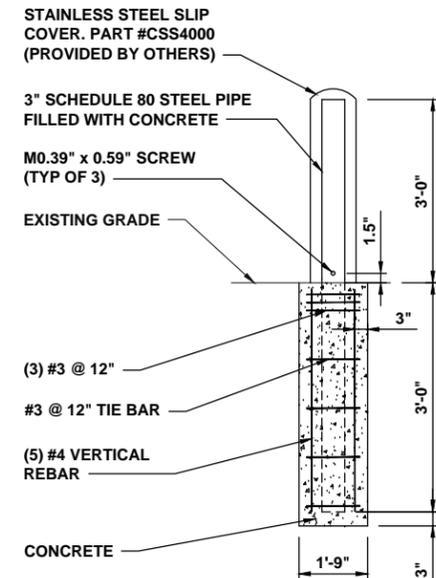
**WARNING BOLLARD DETAIL**

NO SCALE

**C**

**NOTES**

- BOLLARD IS FOR WARNING PURPOSES ONLY.
- BOLLARD DETAIL FOR BOLLARDS AROUND ELECTRIFY AMERICA EQUIPMENT.
- CONTRACTOR TO PROVIDE (2) 6' LONG, 1/2" THICK FOAM STRIPS CROSSED OVER TOP OF STEEL PIPE TO STABILIZE SLIP COVER.

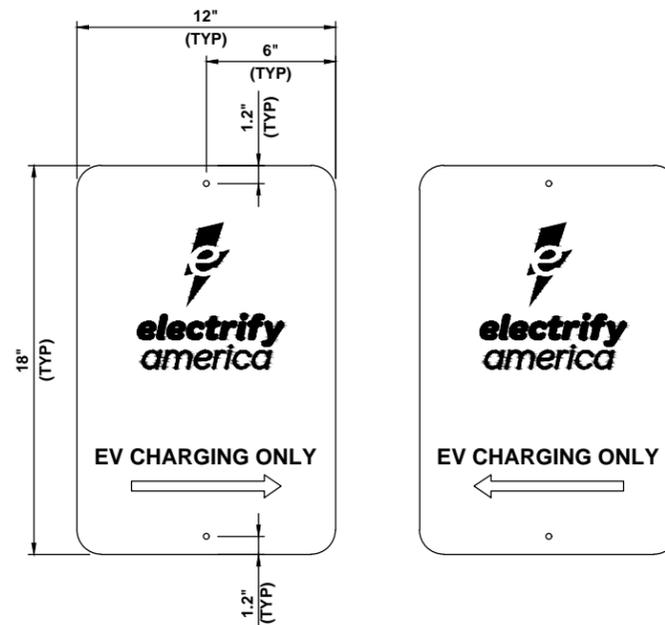


**NOTES**

- CONTRACTOR TO SELECT APPROPRIATE SIGN PER PROPOSED SIGN LOCATION.
- BOTTOM OF LOWEST SIGN TO BE INSTALLED 54" ABOVE GRADE.

**SIGN PROCUREMENT**

COMPANY: SETON  
 CONTACT: MOLLY YARGER  
 PHONE: 844-580-3349  
 EMAIL: MOLLY\_YARGER@SETON.COM  
 \*REFERENCE QUOTE #25289757 (14 DAY LEAD TIME)



**NON-ILLUMINATED PARKING SIGNAGE**

NO SCALE

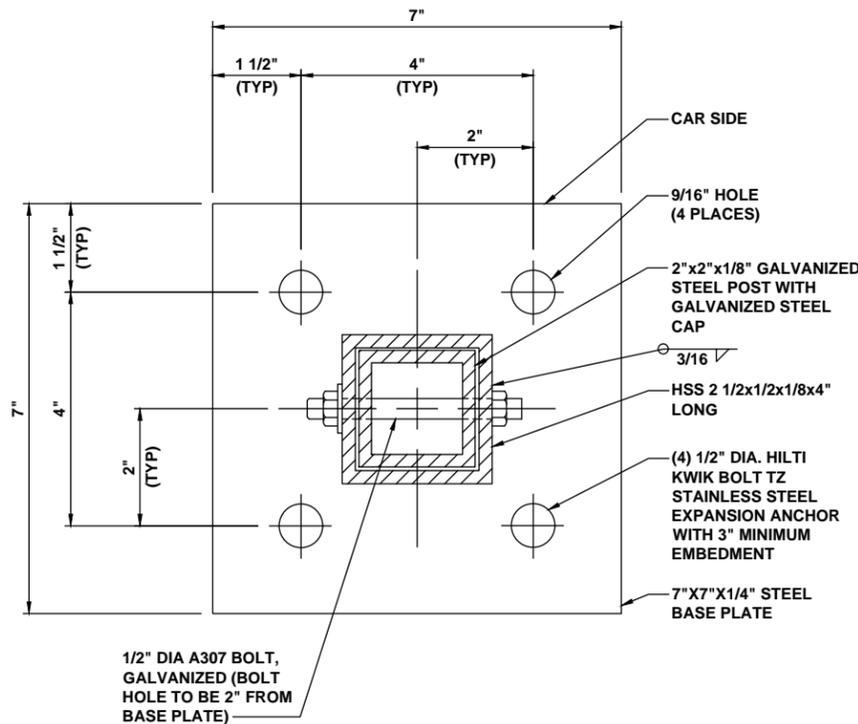
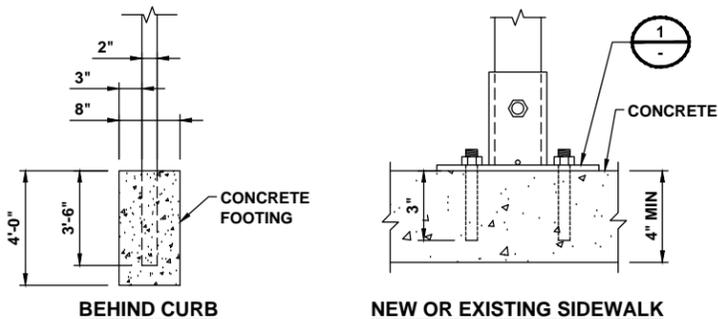
**E**

**NOTES**

- CONTRACTOR TO SELECT CONCRETE FOOTING OR BOLT DOWN BASED ON EXISTING CONDITIONS.
- SEE SHEET C-3 FOR PLACEMENT.
- BOTTOM OF LOWEST SIGN TO BE INSTALLED 54" ABOVE GRADE.
- ADDITIONAL PARKING SIGNS TO BE INSTALLED 2" ABOVE TOP OF PREVIOUS SIGN.
- SIGN, SIGN POST, POST CAP, AND SIGN FASTENERS TO BE PROVIDED BY CONTRACTOR. CONTRACTOR TO PROVIDE SIGN POST FASTENERS IF REQUIRED AND PAINTED TO MATCH.
- IF PAINT FINISH IS DAMAGED DURING INSTALLATION, CONTRACTOR SHALL REPAINT AS REQUIRED.
- CONTRACTOR SHALL COORDINATE WITH CITY WHEN SPECIAL JURISDICTIONAL/CITY REQUESTS ARE NECESSARY FOR ANY SIGN POST INSTALLATION, I.E. POST MATERIAL, PAINT COLORS, HARDWARE, ETC. CONTRACTOR IS RESPONSIBLE FOR ENSURING CITY APPROVES ALL MATERIALS PRIOR TO INSTALLATION.

**BOLT DOWN BASE PLATE NOTES**

- CONTRACTOR TO PROVIDE AND INSTALL SIGN POST, BASE PLATE ASSEMBLY, EXPANSION ANCHORS, AND 1/2" DIA A307 BOLT.
- BASE PLATE ASSEMBLY TO BE HOT DIPPED GALVANIZED. PAINT TO MATCH SIGN POST.
- PROVIDE 1/4" DIA. DRAIN HOLE TO PREVENT WATER FROM COLLECTING IN HSS.



**BASE PLATE DETAIL - DETAIL 1**

**SIGN POST INSTALLATION DETAIL**

NO SCALE

**D**



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 14000 E. EXPOSITION AVE.  
 AURORA, CO 80012

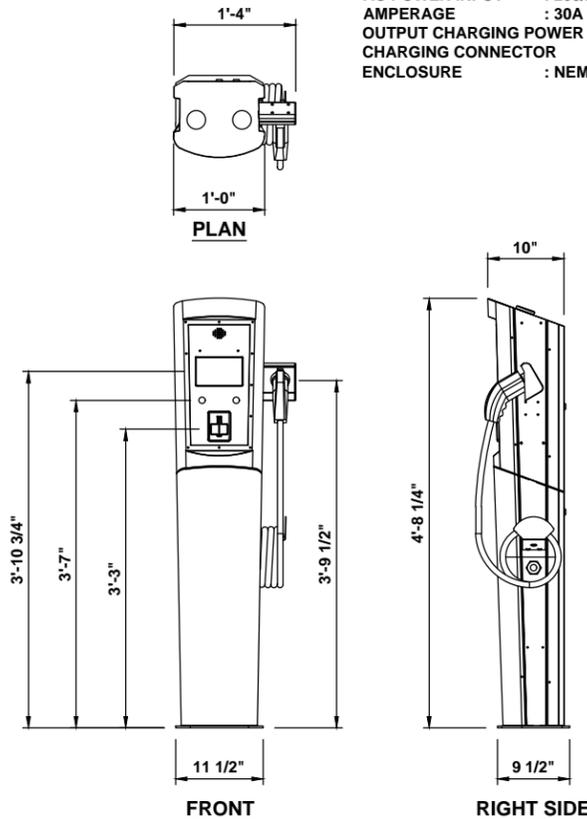
SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER

**D-2**

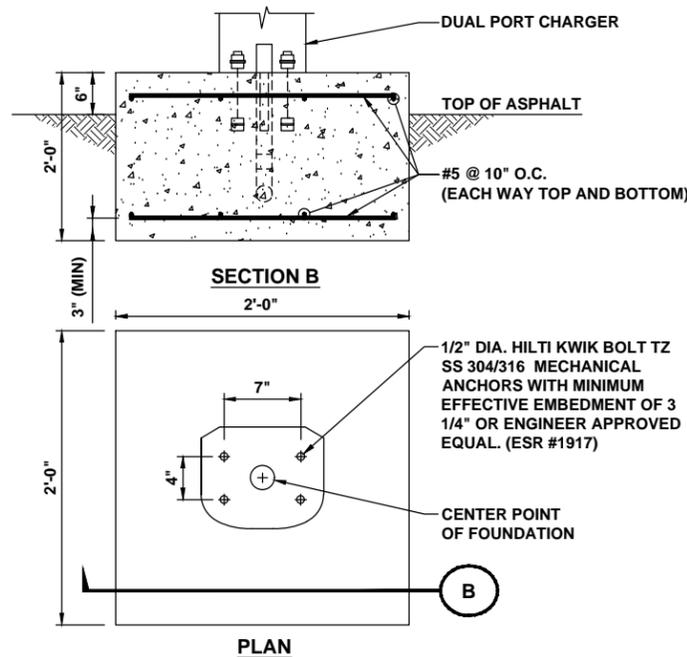
**LEVEL 2 PEDESTAL**

AC POWER INPUT : 208/240 VAC, SINGLE PHASE.  
 AMPERAGE : 30A  
 OUTPUT CHARGING POWER : 6.6 KW - 7.2 KW  
 CHARGING CONNECTOR : SAE J1772, 25' CABLE  
 ENCLOSURE : NEMA 3R



**NOTES**

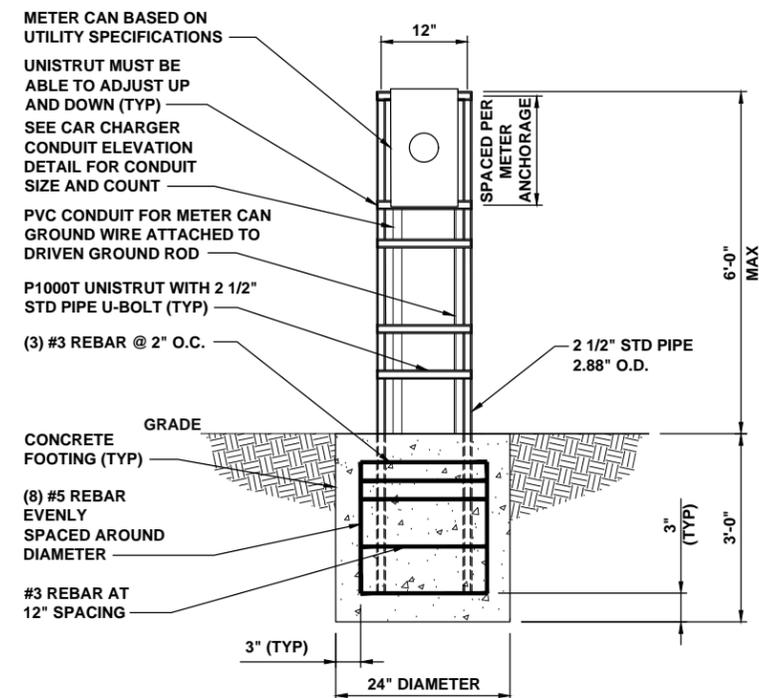
- EQUIPMENT SHALL BE CENTERED ON FOUNDATION.
- MINIMUM CONCRETE EDGE DISTANCE OF ANCHORAGE IS 6 INCHES.



**STANDALONE CUSTOMER PROVIDED TUV INSTRUMENT RATED METER CAN ON UNISTRUT SUPPORT**

**NOTE**

- GENERIC LOADING: V=115 MPH, EXP C, K<sub>z</sub>=0.85, S<sub>g</sub>=3.73g, SITE CLASS=D, S<sub>DS</sub>=2.64, (2) 1-1/4" CONDUIT, METER MAX WIND AREA = 540 SQ IN.



ELECTRIFY AMERICA, LLC.  
 2003 EDMUND HALLEY DRIVE  
 SUITE 200  
 RESTON, VIRGINIA 20191



**BLACK & VEATCH**

6800 W 115th ST, SUITE 2292  
 OVERLAND PARK, KS 66211  
 (913) 458-2000

PROJECT NO:	197479
DRAWN BY:	TMJ
CHECKED BY:	NMB

REV	DATE	DESCRIPTION
C	11/07/18	ISSUED FOR 90% REVIEW
B	10/25/18	REISSUED FOR 30% REVIEW
A	10/18/18	ISSUED FOR 30% REVIEW

**NOT TO BE USED FOR CONSTRUCTION**

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

CO200026 AURORA  
 WALMART 1492  
 14000 E. EXPOSITION AVE.  
 AURORA, CO 80012

SHEET TITLE  
**EQUIPMENT DETAILS**

SHEET NUMBER  
**D-3**

LEVEL 2 CHARGER

NO SCALE

A

LEVEL 2 CHARGER FOUNDATION DETAIL

NO SCALE

B

STANDALONE METER CAN UNISTRUT SUPPORT

NO SCALE

C

DETAIL NOT USED

NO SCALE

D

DETAIL NOT USED

NO SCALE

E

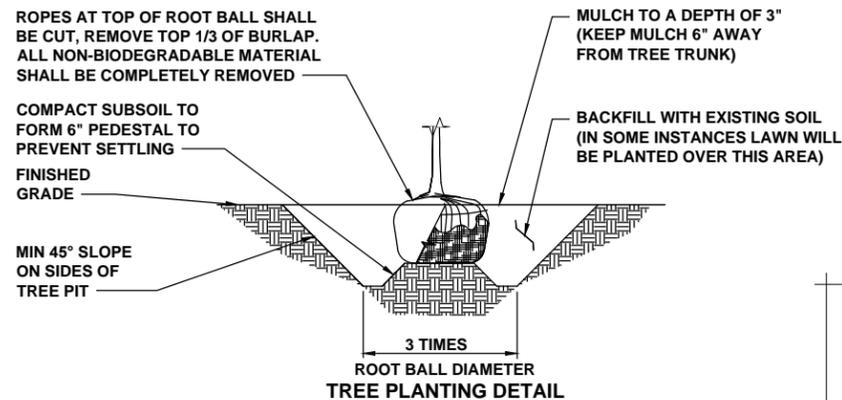
DETAIL NOT USED

NO SCALE

F

**TREE PLANTING NOTES**

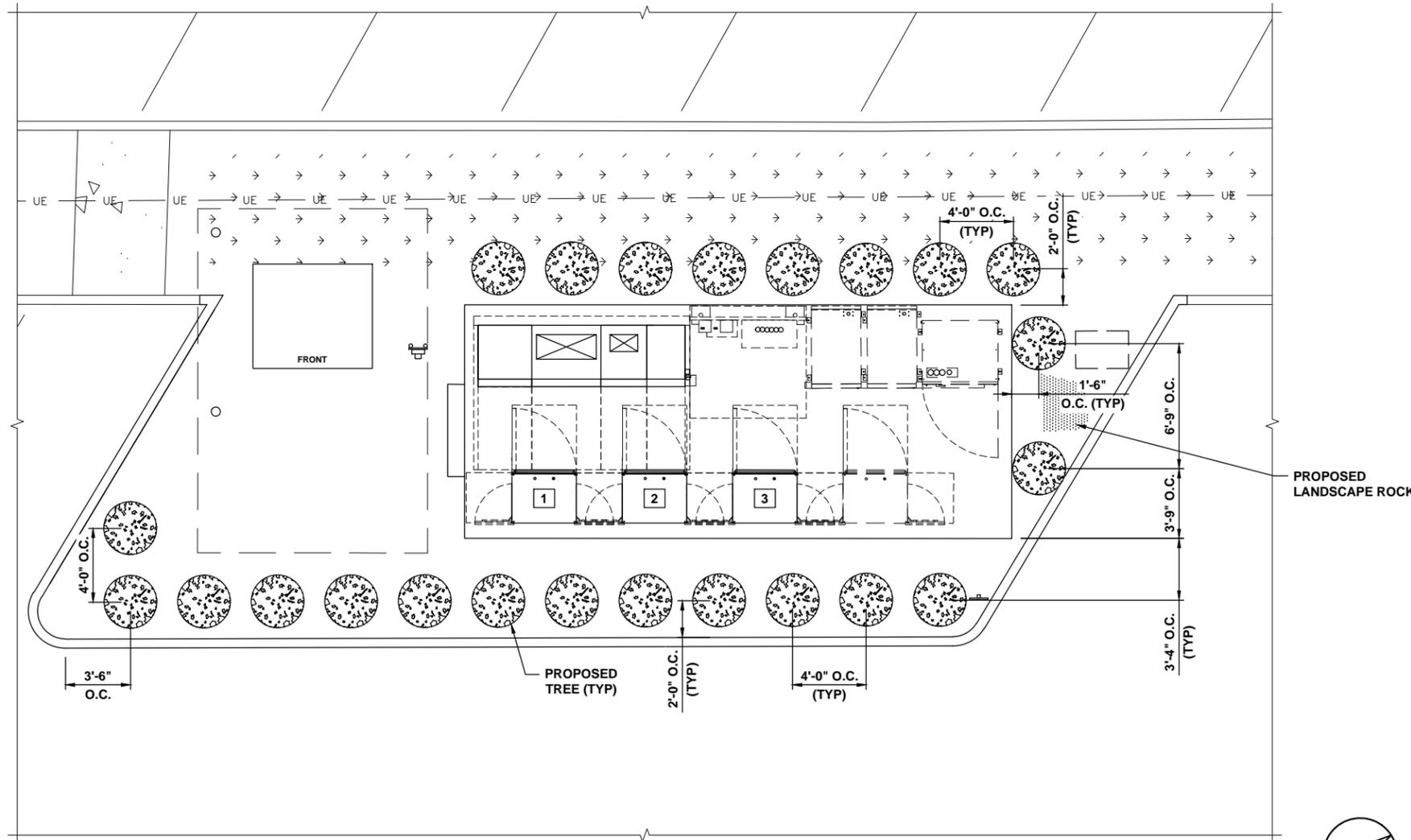
1. SITUATE ROOT BALL SO THAT TOP OF ROOT BALL IS 2" ABOVE FINISHED GRADE.
2. SCARIFY SIDES AND BOTTOM OF TREE PIT.
3. BACKFILL TREE PIT WITH EXISTING SOIL AND WATER UNTIL NO MORE WATER IS ABSORBED.
4. DO NOT ALLOW AIR POCKETS TO FORM WHILE BACKFILLING.
5. INSTALL A MIN. 4'-0" DIAMETER MULCH RING AT A MIN. DEPTH OF 3" FOR TREES IN LAWN AREA.
6. TREES NEED TO BE STAKED ONLY WHEN EXTREME WIND MAKES SUCH SUPPORT NECESSARY. IF STAKING IS NECESSARY CONTACT THIS OFFICE AND A DETAIL WILL BE PROVIDED.



**GENERAL NOTE**

1. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY, AND MORE FREQUENTLY DURING TIMES OF EXTREME HEAT, FOR THE DURATION OF THE FIRST GROWING SEASON.

PLANT SCHEDULE						
CODE	BOTANICAL NAME	COMMON NAME	QTY	SIZE (AT CONSTRUCTION)	SPACING	SPECIFICATIONS (AT FULL SIZE)
TREES	THUJA OCCIDENTAL 'SMARAGD'	EMERALD GREEN ARBORVITAE	23	5' - 7' TALL	AS SHOWN	15 FT TALL, 3-4 FT WIDE
SHRUBS						
GROUND COVER	-	ROCK	-	-	-	TO MATCH EXISTING
OTHER						



ELECTRIFY AMERICA, LLC.  
2003 EDMUND HALLEY DRIVE  
SUITE 200  
RESTON, VIRGINIA 20191



**BLACK & VEATCH**

6800 W 115th ST, SUITE 2292  
OVERLAND PARK, KS 66211  
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PROJECT NO:	197479
DRAWN BY:	TMJ
CHECKED BY:	NMB

REV	DATE	DESCRIPTION
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**NOT TO BE USED FOR CONSTRUCTION**

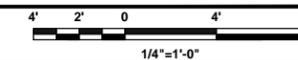
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CO200026 AURORA  
WALMART 1492  
14000 E. EXPOSITION AVE.  
AURORA, CO 80012

SHEET TITLE  
**LANDSCAPING PLAN  
DETAILS & PLANT SCHEDULE**

SHEET NUMBER  
**LS-1**

LANDSCAPING PLAN



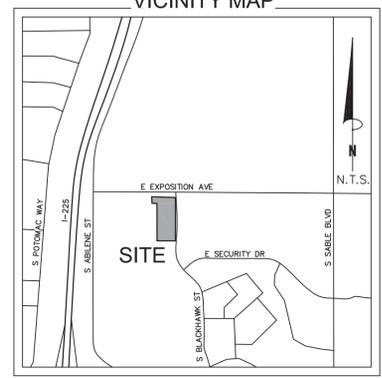
No.	Revisions	Description	By	Date

**SITE NAME:**  
**CO200026 Aurora**

**TOPOGRAPHIC SURVEY**  
A PORTION OF THE SW1/4 OF SECTION 18  
TOWNSHIP 4 SOUTH, RANGE 66 WEST OF THE 6TH P.M.  
CITY OF AURORA, ARAPAHOE COUNTY, COLORADO

Project No. **181173**  
Drawn By: AMF  
Checked By: NUM  
Date: 10/15/2018  
Sheet 1 of 1

**VICINITY MAP**



**PROPERTY DESCRIPTION:**

Lot 1, Block 1, Aurora Wal-Mart Subdivision Filing No. 1, County of Arapahoe, State of Colorado.  
Per Warranty Deed recorded July 29, 1997 as Document No. A7092149 in the Official Public Records of Arapahoe County, Colorado.  
LESS AND EXCEPT that parcel of land as described in Warranty Deed recorded August 1, 2014 as Document No. D4069312.

**SCHEDULE B2 EXCEPTIONS:**

- Item No.
- UTILITY AND FIRE LANE EASEMENT September 10, 1997 DOCUMENT NO. A7113962  
GRANTEE: Wal-Mart Real Estate Business Trust, GRANTEE: The City of Aurora.  
--AFFECTS SURVEY AREA, SHOWN HEREON.
  - QUIT CLAIM DEED October 20, 2010 DOCUMENT NO. D0106305  
GRANTOR: City of Aurora, GRANTEE: Wal-Mart Real Estate Business Trust.  
--DOES NOT AFFECT SURVEY AREA.
  - DRAINAGE EASEMENT October 20, 2010 DOCUMENT NO. D0106306  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: The City of Aurora.  
--DOES NOT AFFECT SURVEY AREA.
  - UTILITY EASEMENT October 20, 2010 DOCUMENT NO. D0106307  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: The City of Aurora.  
--DOES NOT AFFECT SURVEY AREA.
  - UTILITY AND FIRE LANE EASEMENT October 20, 2010 DOCUMENT NO. D0106308  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: The City of Aurora.  
--AFFECTS SURVEY AREA, SHOWN HEREON.
  - EASEMENT FOR SIDEWALK PURPOSES October 20, 2010 DOCUMENT NO. D0106309  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: The City of Aurora.  
--DOES NOT AFFECT SURVEY AREA.
  - REVOCABLE LICENSE October 20, 2010 DOCUMENT NO. D0106310  
--AFFECTS SURVEY AREA, BLANKET IN NATURE.
  - STORMWATER MAINTENANCE AGREEMENT November 05, 2010 DOCUMENT NO. D0114429  
AGREEMENT BETWEEN: Wal-Mart Real Estate Business Trust and The City of Aurora.  
--AFFECTS SURVEY AREA, BLANKET IN NATURE.
  - WARRANTY DEED August 01, 2014 DOCUMENT NO. D4069312  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: Regional Transportation District.  
--AFFECTS SURVEY AREA, SHOWN HEREON.
  - DEED September 10, 1997 DOCUMENT NO. A7113960  
GRANTOR: The City of Aurora, GRANTEE: Wal-Mart Real Estate Business Trust.  
--DOES NOT AFFECT SURVEY AREA.
  - EASEMENT FOR UTILITIES AND ACCESS August 01, 2014 DOCUMENT NO. D4069313  
GRANTOR: Wal-Mart Real Estate Business Trust, GRANTEE: Regional Transportation District.  
--DOES NOT AFFECT SURVEY AREA.
  - AURORA WAL-MART SUBDIVISION FILING NO. 1 September 05, 1989 BOOK 102, PAGES 29 AND 30  
--AFFECTS SURVEY AREA, BLANKET IN NATURE AND SHOWN HEREON.
- Items not listed above are determined non-survey related items and are not plotted hereon.

**NOTES:**

- This is a topographic map. This is not a boundary survey and is only intended to depict those topographic features or improvements shown. The property lines shown are record lines only and are shown for graphical reference only.
- Any underground utilities shown have been located from field survey information. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from the information available. Public utility locate request was made under Ticket No. A828100450-00A dated 10/04/18. This site was located by standard RF methods.
- FEDERAL EMERGENCY MANAGEMENT AGENCY, FEMA FIRMeTte published October 15, 2018 referencing Flood Insurance Rate Map, Map Number 08005C0179K effective date December 17, 2010, indicates this parcel of land is located in Zone X (Area of minimal flood hazard).
- This survey does not constitute a title search by Clark Land Surveying, Inc. to determine ownership or easements of record. For all information regarding easements, rights of way and title of record, Clark Land Surveying, Inc. relied upon a Search Report, prepared by First Corporate Solutions with an order number of RC2112405, dated October 5, 2018.
- Elevations are based on NAVD 88 datum.
- BENCHMARK: MAG Nail in concrete, as shown. Elevation: 5538.51" (NAVD 88).
- BASIS OF BEARINGS: Bearings are relative to those shown upon the plat of Aurora Wal-Mart Subdivision Filing No. 1, according to the map or plat thereof, recorded in Book 102, Page(s) 29-30 of the Official Public Records of Arapahoe County, Colorado.
- Field work for this survey was completed on October 10, 2018.
- The owner names and tax parcel data shown hereon are based upon the public records available at the original date of this survey. Current ownership and tax parcel data should be verified for accuracy.
- This site is zoned "CCZD-Core" (City Center Zone District-Core) per City of Aurora Planning Department. Building Setbacks:  
Please see Article 7, Division 1 (City Center District), Section 146 for zoning setback and buffer requirements.  
No zoning information provided by the client. Zoning setbacks shown hereon are the interpretation of the surveyor. For clarification of exact zoning designations and setback locations, please, contact the City of Aurora Planning and Zoning Department at (303)739-7000.

**SURVEYOR'S STATEMENT:**

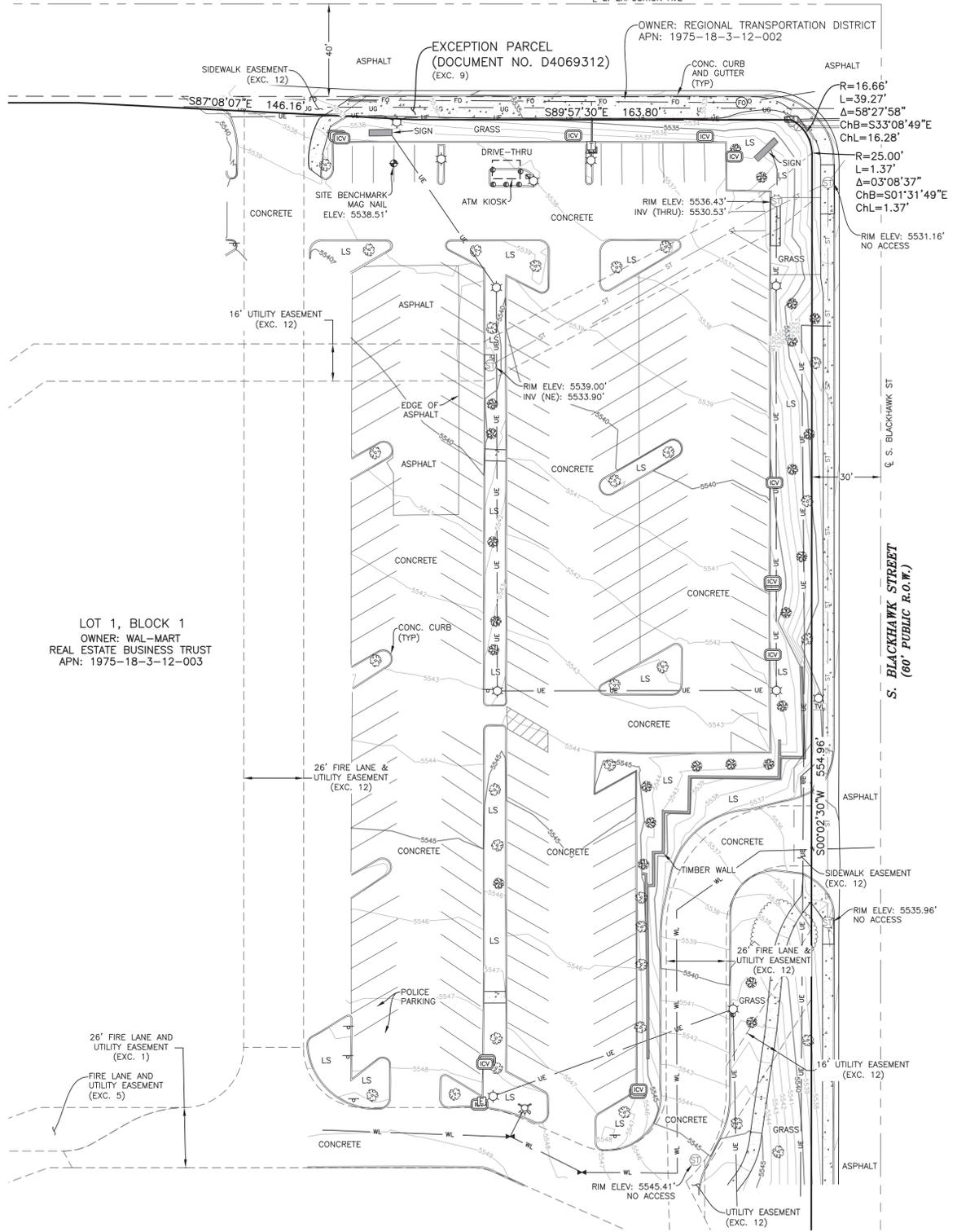
On the basis of my knowledge, information and belief, I hereby state and declare that this drawing was prepared under my direct supervision to the standard of care of surveyors practicing in the State of Colorado and that the information shown hereon is true and correct to the best of my knowledge and belief.  
This statement is neither a warranty nor a guarantee, either expressed or implied.



Nathaniel J. Maestas  
Colorado Professional Land Surveyor No. 38160  
For and on behalf of Clark Land Surveying, Inc.

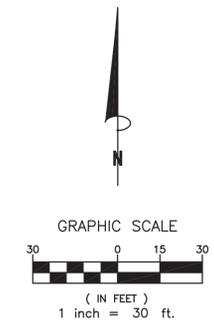
Notice: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

**E. EXPOSITION AVENUE  
(80' PUBLIC R.O.W.)**



**LEGEND**

- SITE BENCHMARK
- STORM MANHOLE
- FIRE HYDRANT
- WATER VALVE
- IRRIGATION CONTROL VALVE
- LIGHT POLE
- ELECTRIC BOX
- ELECTRIC OUTLET
- ELECTRIC VAULT
- FIBEROPTIC MANHOLE
- TELEPHONE VAULT
- TELEPHONE PEDESTAL
- TRAFFIC SIGNAL CONTROL BOX
- TRAFFIC SIGNAL MAST
- CONIFEROUS TREE
- DECIDUOUS TREE
- LANDSCAPED AREA
- BOLLARD
- SIGN
- CLEARANCE POLE
- STORM LINE (UNDERGROUND)
- WATER LINE (UNDERGROUND)
- GAS LINE (UNDERGROUND)
- ELECTRIC LINE (UNDERGROUND)
- FIBEROPTIC LINE (UNDERGROUND)
- HEDGE LINE
- CONCRETE AREA



**FOR REFERENCE ONLY**