

VICINITY MAP
AND
PROPERTY OWNERSHIP MAP



ADJACENT OWNERSHIP

| MARK | OWNERSHIP | ZONING | EXISTING LAND USE |
|------|--|--------|-------------------|
| ① | TAPP, ROBERT V. & MARIAN E. & GARY A. 240 S. POTOMAC ST. AURORA, CO 80012-1323 | B-1 | RETAIL BUSINESS |
| ② | ALAMEDA CO. % FULLER & CO. SUITE 1100 1515 ARAPAHOE ST. DENVER, CO 80202-2117 | B-1 | RETAIL BUSINESS |
| ③ | TAPP, ROBERT V. & MARIAN E. & GARY A. 240 S. POTOMAC ST. AURORA, CO 80012-1323 | B-1 | RETAIL BUSINESS |
| ④ | AMS PARTNERSHIP ATTN: S. ELKEN 1165 S. PENNSYLVANIA ST. DENVER, CO 80210-1546 | B-1 | RETAIL BUSINESS |
| ⑤ | ROUMANIS, JULIA 40 S. FOREST ST. DENVER, CO 80222-1145 | B-1 | RETAIL BUSINESS |
| ⑥ | CITY OF AURORA 1470 S. HAVANA ST. AURORA, CO 80012-4014 | B-1 | RETAIL BUSINESS |
| ⑦ | K & G STORES INC. 1140 GRANT ST., 100 DENVER, CO 80203-2354 | B-1 | RETAIL BUSINESS |

AURORA HILLS STAR MART

SITE PLAN AND USE APPROVAL

LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1
COUNTY OF ARAPAHOE, STATE OF COLORADO

LEGAL DESCRIPTION

LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1, COUNTY OF ARAPAHOE, STATE OF COLORADO

DEVELOPMENT DATA

| | | |
|--|--|-------------|
| LAND AREA WITHIN PROPERTY LINES | 33,859 S.F. | 0.777 ACRES |
| GROSS FLOOR AREA | 2,010 S.F. | |
| NUMBER OF BUILDINGS | 2 | |
| TOTAL BUILDING COVERAGE ** | 5,930 S.F./17.5% | |
| HARD-SURFACE AREA (EXCLUSIVE OF BUILDINGS) | 19,394 S.F./57.3% | |
| AREA DEVOTED TO LANDSCAPING WITHIN SITE | 8,535 S.F./25.2% | |
| PRESENT ZONING CLASSIFICATION | B-1 | |
| PROPOSED USES | 24 HOUR CONVENIENCE STORE WITH FUEL SALES AND CAR WASH | |
| PERMITTED MAXIMUM SIGN AREA | 200.5 S.F. | |
| TYPE OF SIGNS | MONUMENT 2 CANOPY 4 BUILDING 5 | |
| NUMBER OF STORIES | 1 | |
| MAXIMUM HEIGHT OF BUILDINGS | NOT TO EXCEED 24'-0" | |
| LOADING SPACES PROVIDED | 1 | |
| PARKING SPACES PROVIDED | 12 | |
| PARKING SPACES REQUIRED | 9 | |
| HANDICAP SPACES REQUIRED | 1 PROVIDED 1 | |

* CONVENIENCE STORE 2010 S.F. - 2010 S.F. TOTAL
** INCLUDES 2828 S.F. FREESTANDING CANOPY & 1092 S.F. CAR WASH

PARKING CALCULATIONS

RETAIL SPACE = 2010 S.F.
RATIO = 1 SPACE / 200SF = 6 REQUIRED

TOTAL REQUIRED PARKING PER PLANNING DEPT. = 6 SPACES
REQUIRED NUMBER OF TOTAL PARKING TO BE HANDICAP = 1

PARKING PROVIDED:
REGULAR (8.5 x 19') 7 SPACES
HANDICAP 1 SPACE
EV CHARGING STALLS 4 SPACES
TOTAL 12 SPACES

NOTE: CIRCLE K DOES NOT LIMIT EV STALLS TO EV CHARGING ONLY. ANY CUSTOMER CAN PARK IN THESE STALLS AS NEEDED, REGARDLESS OF VEHICLE TYPE.

SIGN AREA CALCULATIONS

BUILDING FRONTAGE = 101 LF
ALLOWABLE SIGN AREA = 2(100) + 0.5 (1) = 200.5 SF

SIGN TABLE

| TYPE | AREA | NUMBER | AREA |
|-------------------------------|---------|--------|---------|
| CANOPY SIGN - Shell Logo type | 12.5 | 4 | 50 |
| CANOPY SIGN - | | | |
| "C" STORE - CIRCLE K | 76 | 1 | 76 |
| CAR WASH | 35, 1.3 | 3 | 6.7 |
| 2nd TENANT | 32.0 SF | 1 | 32.0 SF |
| TOTALS | | 9 | 104.7 |

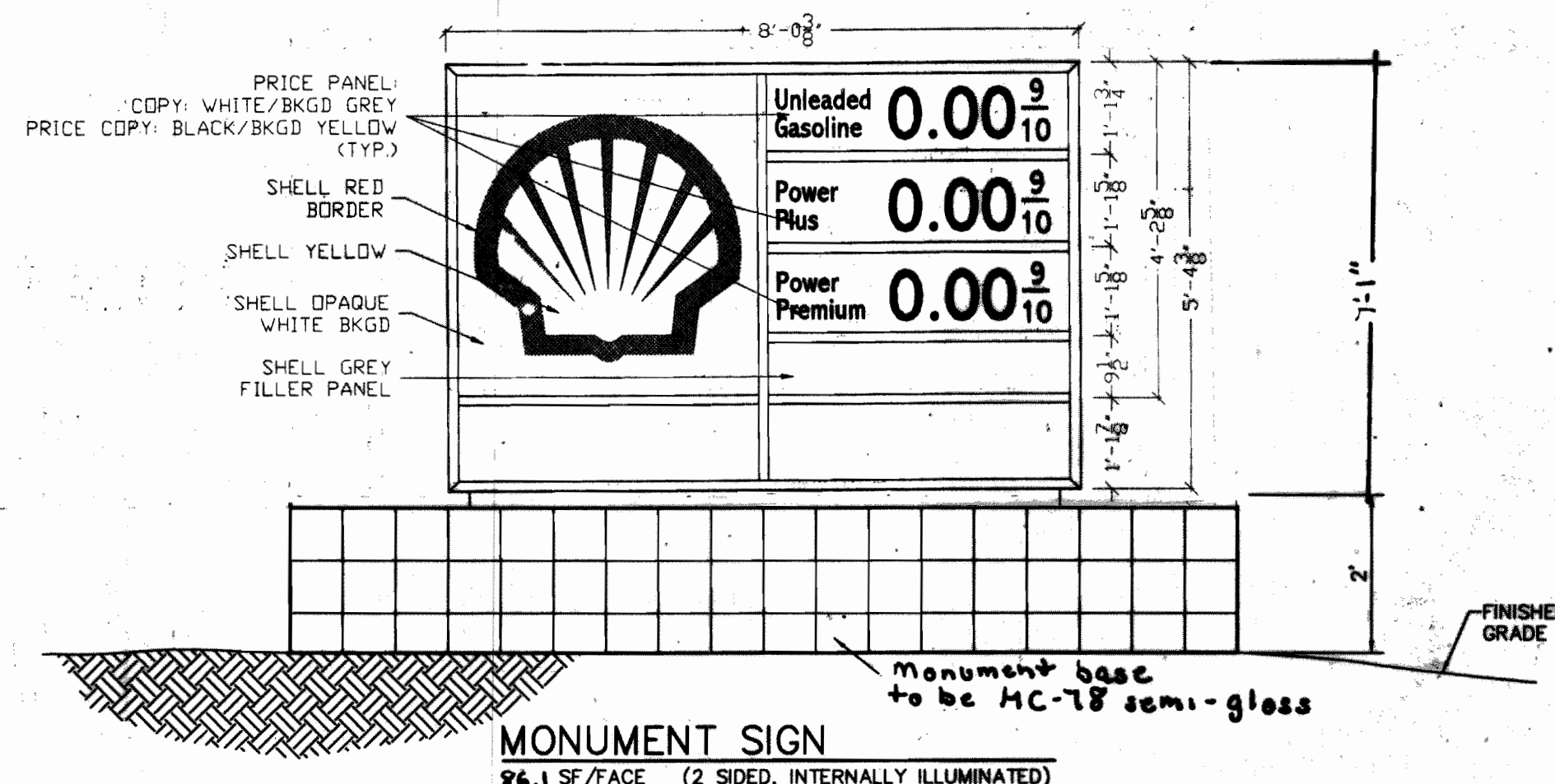
ALLOWABLE SIGN AREA = 200.5 SF

JOINT TENANT SIGN TABLE

| TYPE | AREA | NUMBER | AREA |
|---------------|------|--------|----------|
| MONUMENT SIGN | 96.1 | 2 | 172.3 SF |
| TOTALS | | 2 | 172.3 SF |

MAXIMUM SIGN AREA PER FACE = 100 SF TOTAL
SIGN AREA ALLOWED BY PC: 1/14/98 = 464.8 SF

2nd TENANT WALL SIGN
32.0 SF MAXIMUM

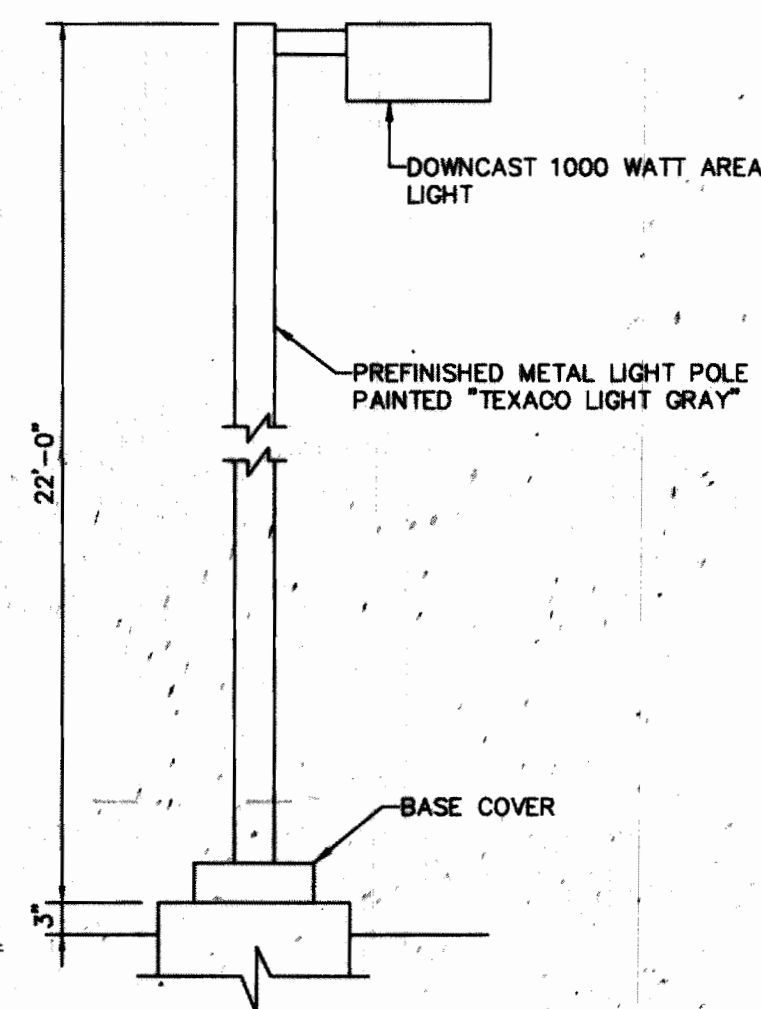


10/02/02 Texaco to Shell Conversion Minor Amendment (1978-6043-07)
Monument Sign:
Remove 'Texaco' monument sign and replace with a 'Shell' monument sign with an area of 172 square feet.
Building:
Remove Texaco 'Star Mart' and galaxy logo sign and replace with Shell 'Food Mart' sign.
Paint building to match Benjamin Moore 'HC-78' semi-gloss.
Paint fascia, mullion system and 12" base around building to match Benjamin Moore 'HC-78'.
Canopy:
Remove Texaco copy and circle/star logo and replace with Shell copy.
Canopy fascia and columns to be painted to match Benjamin Moore 'HC-78'.
Paint 12" high base around building to match Benjamin Moore 'HC-78'.
Car Wash:
Remove Texaco and replace with Shell 'Entrance', 'Exit', and 'Car Wash' signs.
Paint building to match Benjamin Moore 'HC-78'.
Paint 12" high base around building to match Benjamin Moore 'HC-78'.
Notes:
Benjamin Moore 'HC-78' is a dark beige color as show on color chip sample in case file 1996-6094-04.
Benjamin Moore 'HC-78' is a light beige color as show on color chip sample in case file 1996-6094-04.

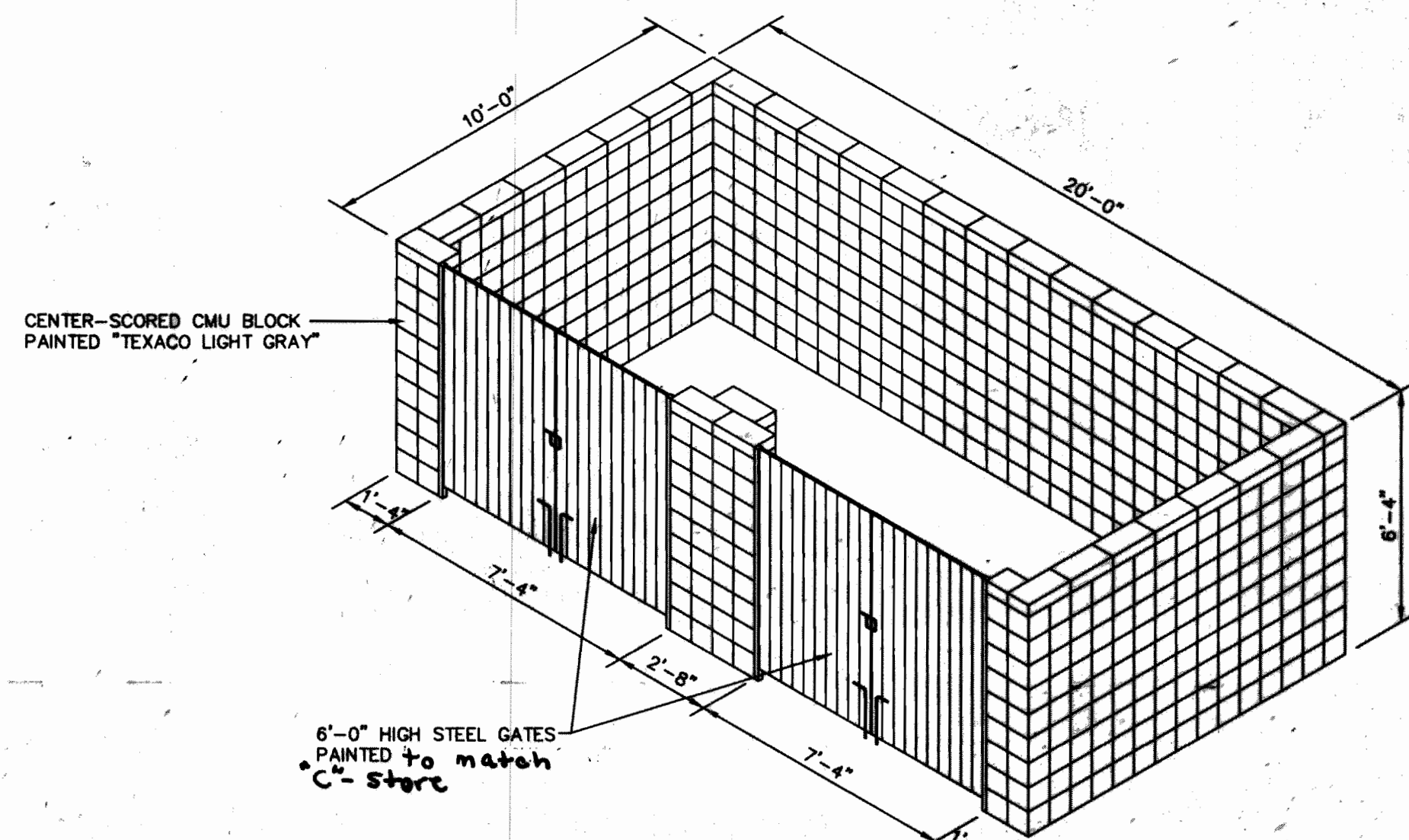
Minor Amendment - 06/16/03

Installation of a temporary 9'x18' storage shed for gas clean-up on the site. This approval is good for six years and shall expire on 6/16/09, upon which the structure and foundation must be removed and site landscaping must be returned to its original state.

CASE # 1978-6043-09
MINOR AMENDMENT TO ADD TWO EV CHARGERS TO SUPPORT 4 EV PARKING SPACES, AS WELL AS GROUND EQUIPMENT AND SCREENING LANDSCAPING



SITE LIGHT DETAIL
SEE LANDSCAPE PLAN FOR SCREENING



TRASH ENCLOSURE
SEE LANDSCAPE PLAN FOR SCREENING

AFFIDAVIT:

AURORA HILLS STAR MART
(OFFICIAL PROJECT NAME)

LEGAL DESCRIPTION LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1
COUNTY OF ARAPAHOE, STATE OF COLORADO

THIS SITE PLAN AND USE APPROVAL AND ANY AMENDMENTS HERETO, UPON APPROVAL BY THE CITY OF AURORA AND RECORDING, SHALL BE BINDING UPON THE APPLICANTS THEREFORE, THEIR SUCCESSORS AND ASSIGNS. THIS PLAN SHALL LIMIT AND CONTROL THE ISSUANCE AND VALIDITY OF ALL BUILDING PERMITS, AND SHALL RESTRICT AND LIMIT THE CONSTRUCTION, LOCATION, USE, OCCUPANCY AND OPERATION OF ALL LAND AND STRUCTURES WITHIN THIS PLAN TO ALL CONDITIONS, REQUIREMENTS, LOCATIONS AND LIMITATIONS SET FORTH HEREIN. ABANDONMENT, WITHDRAWAL OR AMENDMENT OF THIS PLAN MAY BE PERMITTED ONLY UPON APPROVAL OF THE CITY OF AURORA.

IN WITNESS THEREOF TEXACO REFINING AND MARKETING INC. HAS CAUSED THESE PRESENTS TO BE EXECUTED THIS 28 DAY OF April AD 19 98

BY: D.C. Mathis, Manager Special Projects
(PRINCIPAL OR OWNERS) PDA

CORPORATE SEAL

NOTARIAL:

STATE OF COLORADO } SS
COUNTY OF Denver

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 28th DAY OF April AD 19 98 BY D.C. Mathis, Manager Special Projects (PRINCIPALS OR OWNERS)

WITNESS MY HAND AND OFFICIAL SEAL

Diana K. Hines
NOTARY PUBLIC

MY COMMISSION EXPIRES Jan. 27, 2000 NOTARY/BUSN. ADDRESS: 4601 DTC Blvd. Denver, Colorado 80237

CITY OF AURORA APPROVALS:

CITY ATTORNEY: DATE: 5-18-98
PLANNING DIRECTOR: Denise M. Burke DATE: 5-18-98
PLANNING COMMISSION: Chairman: N/A DATE: 1-14-98
CITY COUNCIL: Mayor: N/A DATE:
ATTEST: City Clerk: N/A DATE:

RECORDERS CERTIFICATE:

ACCEPTED FOR FILING IN THE OFFICE OF THE CLERK AND RECORDER OF ARAPAHOE COUNTY, COLORADO AT O'CLOCK M, THIS DAY OF AD, 19
CLERK AND RECORDER: DEPUTY:

| REVISIONS | | | | | |
|-----------|--|---------|---------|---------|--|
| No. | Description | Des. By | Drn. By | Date | |
| 1 | REVISIONS AS PER CITY OF AURORA COMMENTS | CAL | KDD | 1/10/97 | |
| 2 | REVISED AS PER NEW BUILDING IMAGE | CAL | KDD | 1/20/97 | |
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TEXACO REFINING AND MARKETING INC.

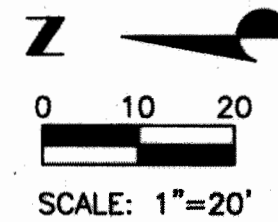
Calloway, Romero & Associates
Design Engineering Planning
5350 DTC Parkway
Englewood, Colorado 80111
Tel. (303) 770-8884
Fax. (303) 770-3636

GENERAL DATA

298 S. POTOMAC ST. AURORA, CO.
Designed By: DWG Date: AUGUST, 1996 Sht 1 OF 4
Drawn By: MBZ/JMG Scale: 1/4"=1'-0"
Checked By: DWG Disk File: TE298TTL2

AURORA HILLS STAR MART 78-6043-6

LOT 1,BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1, COUNTY OF ARAPAHOE, STATE OF COLORADO

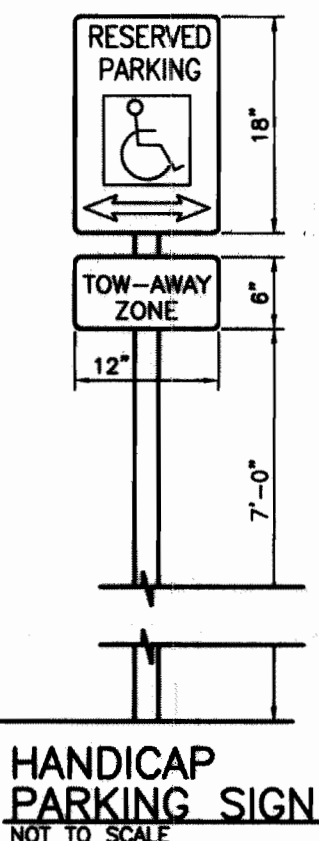


SE CORNER OF THE SW 1/4 OF
SECTION 7, T.4S., R.66W., OF
THE 6TH P.M.
(FOUND 3/14" CITY OF AURORA
BRASS CAP L.S. NO.16848
DATED 1989 IN RANGE BOX.)

EAST ALAMEDA AVENUE

SOUTHWEST CORNER OF
SECTION 7, T.4S., R.66W.,
OF THE 6TH P.M. (FOUND
3 1/4" CITY OF AURORA
BRASS CAP L.S. NO.16848
DATED 1989 IN RANGE BOX

| | |
|---------|---------------------------------|
| —●— | MANHOLE |
| —●— | VALVE |
| — W — | EXISTING WATER LINE |
| — W — | PROPOSED WATER LINE |
| — SS — | EXISTING SANITARY SEWER |
| — SS — | PROPOSED SANITARY SEWER |
| — STS — | EXISTING STORM SEWER |
| — STS — | PROPOSED STORM SEWER |
| — G — | EXISTING GAS LINE |
| — G — | PROPOSED GAS LINE |
| — UE — | EXISTING UNDERGROUND ELECTRICAL |
| — UE — | PROPOSED UNDERGROUND ELECTRICAL |
| — OE — | EXISTING OVERHEAD ELECTRICAL |
| — OE — | PROPOSED OVERHEAD ELECTRICAL |
| — UT — | EXISTING UNDERGROUND TELEPHONE |
| — UT — | PROPOSED UNDERGROUND TELEPHONE |
| — T — | EXISTING OVERHEAD TELEPHONE |



1. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS, INCLUDING THE HOMEOWNERS ASSOCIATION, SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL FIRE LANE SIGNS AS REQUIRED BY THE CITY OF AURORA.
2. ALL SIGNS MUST CONFORM TO THE CITY OF AURORA SIGN CODE.
3. RIGHT OF WAY FOR INGRESS AND EGRESS FOR SERVICE AND EMERGENCY VEHICLES IS GRANTED OVER, ACROSS, ON AND THROUGH ANY AND ALL PRIVATE ROADS AND WAYS NOW OR HEREAFTER ESTABLISHED ON THE DESCRIBED PROPERTY, AND THE SAME ARE HEREBY DESIGNATED AS "SERVICE/EMERGENCY AND UTILITY EASEMENTS" AND SHALL BE POSTED "NO PARKING - FIRE LANE."
4. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SUCH AS SPECIFICALLY IDENTIFIED OR APPROVED SITE PLAN OR LANDSCAPE PLAN ON FILE IN THE PLANNING DEPARTMENT.
5. THE APPROVAL OF THIS DOCUMENT DOES NOT CONSTITUTE FINAL APPROVAL OF GRADING, DRAINAGE, UTILITY, PUBLIC IMPROVEMENTS AND BUILDING PLANS. CONSTRUCTION PLANS MUST BE REVIEWED AND APPROVED BY THE APPROPRIATE AGENCY PRIOR TO THE ISSUANCE OF BUILDING PERMITS.
6. ALL LANDSCAPING WILL BE INSTALLED PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
7. ALL BUILDING ADDRESS NUMBERS SHALL COMPLY WITH SECTIONS 34-122 AND 34-123 OF THE AURORA CITY CODE.

6. ROOF MOUNTED MECHANICAL SCREEN SHALL BE OF METAL CONSTRUCTION AND PAINTED TO MATCH THE BUILDING FASCIA BAND. ALL OTHER ROOF PROJECTIONS SHALL ALSO BE PAINTED THIS SAME COLOR. NO PORTION OF THE MECHANICAL EQUIPMENT SHALL BE VISIBLE FROM THE GROUND. THE FASCIA SHALL SCREEN THE VIEW OF THE EQUIPMENT.
9. NOTWITHSTANDING ANY SURFACE IMPROVEMENTS, LANDSCAPING, PLANTING OR CHANGES SHOWN IN THESE SITE OR CONSTRUCTION PLANS, OR ACTUALLY CONSTRUCTED OR PUT IN PLACE, THE UTILITY EASEMENT SHALL REMAIN UNCHANGED AND FULLY AVAILABLE ALONG THEIR ENTIRE LENGTH TO ALLOW FOR ADEQUATE MAINTENANCE EQUIPMENT. ADDITIONALLY, NO INSTALLATION, PLANTING, CHANGE IN THE SURFACE, ET CETERA SHALL INTERFERE WITH THE OPERATION OF THE UTILITY LINES PLACED WITHIN THE EASEMENT. PLANTING ALONG THESE SITE OR CONSTRUCTION PLANS FOR APPROVAL. THE LANDOWNER RECOGNIZES AND ACCEPTS THE TERMS, CONDITIONS AND REQUIREMENTS OF THIS NOTE.
10. ALL INTERESTED PARTIES ARE HEREBY ADVISED THAT THIS SITE PLAN IS SUBJECT TO ADMINISTRATIVE CHANGES AND AS SHOWN ON THE ORIGINAL SITE PLAN ON FILE IN THE AURORA CITY PLANNING OFFICE AT THE MUNICIPAL BUILDING. A COPY OF THE OFFICIAL CURRENT PLAN MAY BE PURCHASED THERE. LIKEWISE, SITE PLANS ARE REQUIRED TO ADOPT THE ADJACENT LOT'S SITE OR CONSTRUCTION PLANS FOR APPROVAL, THE LANDOWNER PERMIT; AND IF NOT, MUST BE AMENDED TO AGREE WITH THE PLAT AS NEEDED, OR, VICE VERSA.
11. CANOPY LIGHTS SHALL BE RECESSED WITH FLAT LENSES.

12. ERRORS IN APPROVED SITE PLANS RESULTING FROM COMPUTATIONS OR INCONSISTENCIES IN THE DRAWINGS MADE BY THE APPLICANT ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OF RECORD. WHERE FOUND, THE CURRENT MINIMUM CODE REQUIREMENTS WILL APPLY AT THE TIME OF THE NEXT PERMIT.
13. THE APPLICANT HAS THE OBLIGATION TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE AMERICAN WITH DISABILITIES ACT:
14. "ACCESSIBLE EXTERIOR ROUTES" SHALL BE PROVIDED FROM PUBLIC TRANSPORTATION STOPS, ACCESSIBLE PARKING AND ACCESSIBLE PASSENGER LOADING ZONES AND PUBLIC SIDEWALKS TO THE ACCESSIBLE BUILDING ENTRANCE THEY SERVE. AT LEAST 50% OF ALL BUILDING ENTRANCES SHALL BE ACCESSIBLE ROUTES. ACCESSIBLE ROUTES SHALL BE THE MOST PRACTICAL DIRECT ROUTE. NO SLOPE ALONG THIS ROUTE MAY EXCEED 1:20 WITHOUT PROVIDING A RAMP WITH A MAXIMUM SLOPE OF 1:12 AND HANDRAILS. CROSS SLOPE ALONG THIS ROUTE SHALL BE WIDE ENOUGH TO WITHSTAND A CURB RAMP WITH A MINIMUM WIDTH OF 36" AND SHALL BE PAINTED WITH WHITE STRIPES.
15. RECREATION AND COMMERCIAL USES SHALL BE CONTINUOUS FROM EACH RECREATION OR COMMERCIAL OCCUPIED AREA TO THE PUBLIC WAY. THE "ACCESSIBLE EXTERIOR ROUTES" SHALL COMPLY WITH UBC CHAPTER 11, APPENDIX 11, AND CADO/ANSI 117.1.
16. ALL CROSSINGS OR ENCROACHMENTS BY PRIVATE LANDSCAPE IRRIGATION LINES OR SYSTEMS INTO EASEMENTS AND STREET RIGHTS OF WAY OWNED BY THE CITY OF ALAMEDA ARE ACKNOWLEDGED BY THE UNDERSIGNED TO BE SUBJECT TO THE EASEMENTS AND OCCUPANCY RIGHTS AND EASEMENTS OR RIGHTS-OF-WAY, THE UNDERSIGNED, THEIR SUCCESSORS AND ASSIGNS, HEREBY AGREE TO REDEMPTOR TO THE CITY OF ALAMEDA TO BE CONTINUOUS FROM EACH RECREATION FACILITIES THAT MAY RESULT FROM THE INSTALLATION, OPERATION OR MAINTENANCE OF SAID PRIVATE IRRIGATION LINES OR SYSTEMS.
17. APPLICANT ACKNOWLEDGES THAT ALAMEDA ACADEMY MAY BE CONVERTED TO RIGHT IN/RIGHT OUT MOVEMENTS IN CONJUNCTION WITH FUTURE I-225/ALAMEDA INTERCHANGE CONSTRUCTION AND ASSOCIATED MEDIAN AROUND ALAMEDA ACADEMY.

| | | | |
|----|---|----|---|
| 1 | 30'-0" X 67'-0" TEXACO STORE | 48 | NEW UNDERGROUND ELECTRICAL SERVICE TO 'C'-STORE FROM PROPOSED NEW MOUNTED TRANSFORMER. |
| 2 | 101'-0" X 28'-0" CANOPY | 49 | NEW UNDERGROUND ELECTRICAL FROM EXISTING POWER POLE TO PROPOSED NEW MOUNTED TRANSFORMER. VERIFY LOCATION WITH PSCo. |
| 3 | 16" DIA. CANOPY COLUMNS (TYP. 8) | 50 | NEW 6" FIRE HYDRANT & ASSEMBLY LOCATED IN RIGHT OF WAY. SERVICE TO TIE-IN TO EXISTING 8" WATER LINE LOCATED ON WEST SIDE OF S. POTOMAC ST. |
| 4 | REMOVE EXISTING BUILDING, CAR WASH, CANOPY, DISPENSERS, AND INTERIOR DRIVES | 51 | 5'-2" x 5'-1" MONUMENT SIGN, INTERNALLY ILLUMINATED, (TYP. 2) |
| 5 | MULTIPLE-PRODUCT BLENDING DISPENSER ON 4' WIDE DOGBOONE ISLAND (TYP. 4) | 52 | NEW 4" PVC SANITARY SEWER SERVICE FROM C-STORE TO TIE INTO EXISTING 8" SANITARY SEWER LINE LOCATED IN S. POTOMAC STREET. CONTRACTOR TO VERIFY LOCATION OF MAIN PRIOR TO CONSTRUCTION. CONTRACTOR TO ABANDON EXISTING SANITARY SEWER SERVICE AS CLOSE TO MAIN AS POSSIBLE. |
| 6 | NEW 8" ATTACHED SIDEWALK WITH 6" CURB AND GUTTER ON S. POTOMAC ST. | 53 | 780 GALLON GREASE INTERCEPTOR TO MEET CITY REQUIREMENTS. |
| 7 | NEW STREET LIGHT FOR POTOMAC STREET. COORDINATE INSTALLATION WITH THE CITY OF AURORA TRAFFIC | 54 | Shell copy canopy sign (4 Typ.) |
| 8 | EXISTING FREESTANDING MONUMENT SIGN TO BE REMOVED | 55 | NEW RETAINING WALL (SEE SD-14) |
| 9 | 1-20,000 GALLON & 1-12,000 GALLON FIBERGLASS UNDERGROUND STORAGE TANKS UNDER 8" CONCRETE SLAB | 56 | NEW 26' X 42' CAR WASH |
| 10 | 8'-6" X 18" PARKING SPACE (TYP. 12) | 58 | CONCRETE WHEEL STOPS (TYP. 12) |
| 11 | 1' - 8'-6" X 18' VAN ACCESSIBLE HANDICAP PARKING SPACE WITH 11' X 18" ACCESS ISLE AND SIGNAGE | 59 | EXISTING STORAGE BUILDING TO BE REMOVED |
| 12 | HANDICAP RAMP PER CITY STANDARDS (TYP. 6) | 60 | EXISTING 1" METER & PIT TO BE ABANDONED |
| 13 | EXISTING CURB CUT TO BE CLOSED (TYP. 5) | 61 | NEW SIDEWALK AT CAR WASH |
| 14 | EXISTING OVERHEAD POWER LINE AND POWER POLES ALONG I-225 R.O.W. TO REMAIN | 62 | NEW 4" PVC STORM SEWER LINES (PRIVATE FROM TRENCH DRAINS AND PROPOSED INLET TO TIE INTO 8" PVC ROUTED TO PROPOSED AREA INLET) |
| 15 | TANK VENT RISERS MTD. 12'-0" A.F.G. | 63 | 2'-0" CURB OPENING |
| 16 | TWO PUBLIC PHONES ON 4" THICK, 4' X 8' CONCRETE PAD | 64 | NEW 35' CURB CUT |
| 17 | AIR/VACUUM/TRASH STAND ON 4" THICK CONCRETE PAD | 65 | NEW 30' CURB CUT |
| 18 | REMOVE EXISTING POWER POLE & OVERHEAD ELECTRIC LINES ON SITE. COORDINATE WORK W/PSCo. | 66 | SIDEWALK EASEMENT BY SEPARATE DOCUMENT |
| 19 | NEW 1000W AREA LIGHT ON 22' POLE (TYP. 12) | 67 | BIKE RACK AND TRASH RECEPTACLE ON 8'X8" CONCRETE PAD |
| 20 | PROPOSED PRIVATE STORM SEWER INLET (TYP. 3) | 68 | DIRECTIONAL SIGNS, "DO NOT ENTER" - ORIENTED TOWARDS EASTBOUND TRAFFIC (TYP. 2) |
| 21 | EXISTING 8" ATTACHED SIDEWALK AND HANDICAP RAMP TO REMAIN | 69 | 9' X 24' UTILITY EASEMENT (BY SEPARATE DOCUMENT) |
| 22 | 6" REINFORCED CONCRETE DRIVE - TYPICAL ALL INTERIOR | 70 | DRIVE-THRU WINDOW |
| 23 | PIPE BOLLARDS (TYP. 27) | 71 | HANDICAP RAMP AND LANDING TO 'C'-STORE |
| 24 | NEW 10'-0" X 20'-0" X 6'-4" HIGH TRASH ENCLOSURE TO MATCH NEW CONVENIENCE STORE EXTERIOR | 73 | EXISTING RETAINING WALL TO REMAIN |
| 25 | PROPOSED 18" STORM SEWER LINE (PRIVATE) TO TIE-IN TO EXISTING DRAINAGE STRUCTURES | 74 | NEW 4" PVC STORM DRAINS (PRIVATE) FROM CANOPY ROOF DRAINS TO TIE-IN TO PROPOSED AREA INLET |
| 26 | EXISTING UNDERGROUND STORAGE TANKS TO BE REMOVED (TYP. 4) | 75 | COIN/CODE BOX FOR CAR WASH & WASTE RECEPTACLE ON 4" THICK CONCRETE PAD |
| 27 | NEW 6" MONOLITHIC CURB | 76 | 8" CONCRETE CROSSPANEL PER CITY STANDARDS (TYP. 2) |
| 28 | NEW CONCRETE SIDEWALK @ BUILDING | 77 | MAIN ELECTRICAL PANEL |
| 29 | ACCESSIBLE ROUTE ON PAVEMENT MUST BE MIN. 36" WIDE AND PAINTED WITH WHITE STRIPES; HEAVY DASHED LINE IDENTIFIES CONTINUING ROUTE FROM PUBLIC WAY AND ACCESSIBLE PARKING TO BUILDING ENTRY | 78 | C'-STORE "Food Mart" copy |
| 30 | LANDSCAPE AREA | | |
| 31 | 10' X 20' LOADING SPACE, MIN. 200 S.F. | | |

LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1, CITY OF AURORA,
ARAPAHOE COUNTY, COLORADO

CONSISTING OF (0.777 ACRES), 33,859 SQUARE FEET

CITY OF AURORA BM #K-030E DESCRIBED AS: A CHISELED "X" ON TOP OF SE ANCHOR BOLT AT BASE OF TRAFFIC SIGNAL STANDARD ON THE SW CORNER OF S. POTOMAC ST. AND E. ALAMEDA AVE., AKA 7-050B. REV. ELEV. ON 12-23-91 TO ELEV. 5516.213

EXISTING ZONING: B-1
B-1 (NORTH), B-1 (EAST), B-1 (SOUTH), 41
OPEN (WEST)

USE: 24 HOUR CONVENIENCE STORE W/FUEL SALES
& CAR WASH

SITE AREA: 33,859 SF 0.777 ACRES

| | | |
|----------------|-----------|-------------|
| SITE AREA: | 33,859 SF | 0.777 ACRES |
| BUILDING AREA: | | |
| "C" STORE | | 2,010 SF |

| | |
|----------------|----------|
| CC STORE | 2,010 SF |
| OCCUPANT LOAD: | |
| CANOPY AREA: | 2,828 SF |

CAR WASH AREA: 1,000 SF

| | | |
|---|--------|-----------|
| REGULAR SPACES PROVIDED: | | |
| RETAIL - 1/200 SF GROSS FLOOR @210 SF: | | 6 SPACES |
| | TOTAL: | 6 SPACES |
| REGULAR SPACES PROVIDED: | | |
| 8'-6" x 18'-0" PARKING SPACES | | 7 SPACES |
| EV CHARGING STALLS | | 4 SPACES |
| | TOTAL: | 11 SPACES |
| HANDICAP SPACES PROVIDED: | | |
| 8'-6" x 18'-0" PARKING SPACES | | 1 SPACE |
| | TOTAL: | 1 SPACE |
| NOTE: CIRCLE K DOES NOT LIMIT EV CHARGING STALLS AS EV CHARGING ONLY. ALL CUSTOMERS CAN PARK IN THESE STALLS AS NEEDED. | | |

| REVISIONS | | | | |
|-----------|--|---------|---------|---------|
| No. | Description | Des. By | Dwn. By | Date |
| 2 | TIE CAR WASH AND ONE BUILDING DOWNSPOUTS TO 6" STS (PREVIOUSLY 4" STS) | JNA | CJH | 12/8/97 |
| 3 | DELETE QSR, DISPENSER ISLAND SHAPE , MENU BOARD AND SPEAKER | JNA | CJH | 12/8/97 |
| 4 | SHOW REVISED CAR WASH CORNERS AND DISPENSER ISLAND SHAPE | JNA | CJH | 12/8/97 |
| 5 | BID SET | JNA | CJH | 12/9/97 |
| 6 | CONSTRUCTION SET | JNA | CJH | 2/6/98 |

| | | |
|---|---|--|
|  <p>TEXACO REFINING AND MARKETING INC.</p> <p>P.O. Box 430 Bellaire, Texas 77402-0430 Tel. (713) 432-3033 Fax. (713) 432-3049</p> |  | <p>Galloway, Romero & Associates</p> <p>Design Engineering Planning 5350 ITC Parkway Englewood, Colorado 80111 Tel. (303) 770-8884 Fax. (303) 770-3434 Contact: Chris Lindstrom</p> |
|---|---|--|

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|--------------------------|---------------------|-------------|--------|
| 298 SOUTH POTOMAC STREET | | AURORA, CO. | |
| Designed By: CAL | Date: JANUARY, 1997 | Sht | 2 OF 4 |
| Drawn By: KDD | Scale: 1" = 20' | | |
| Checked By: CAL | Disk File: TE29SP3 | | |

AURORA HILLS STAR MART 78-60436

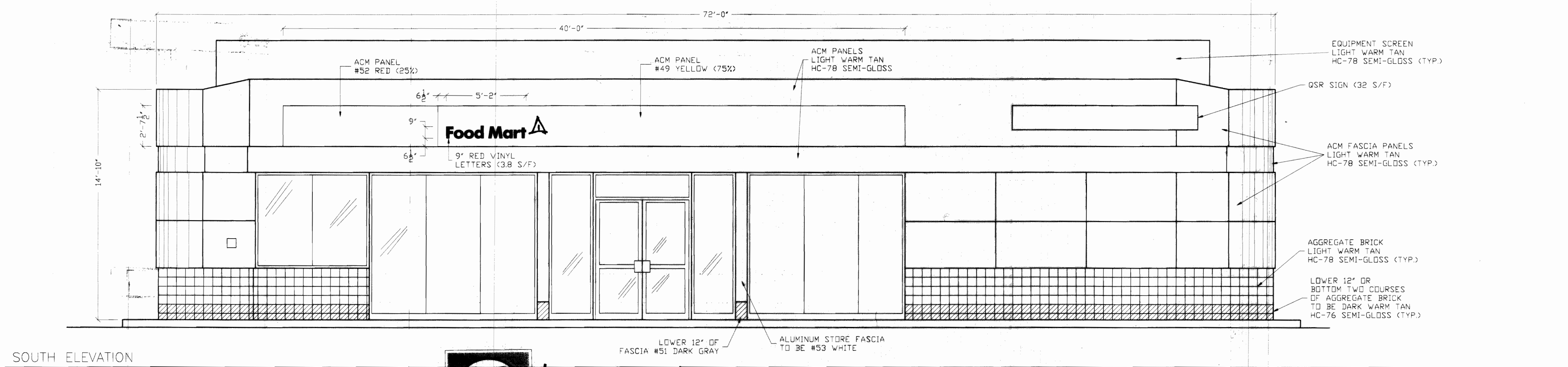
AURORA HILLS STAR MART

SITE PLAN AND USE APPROVAL

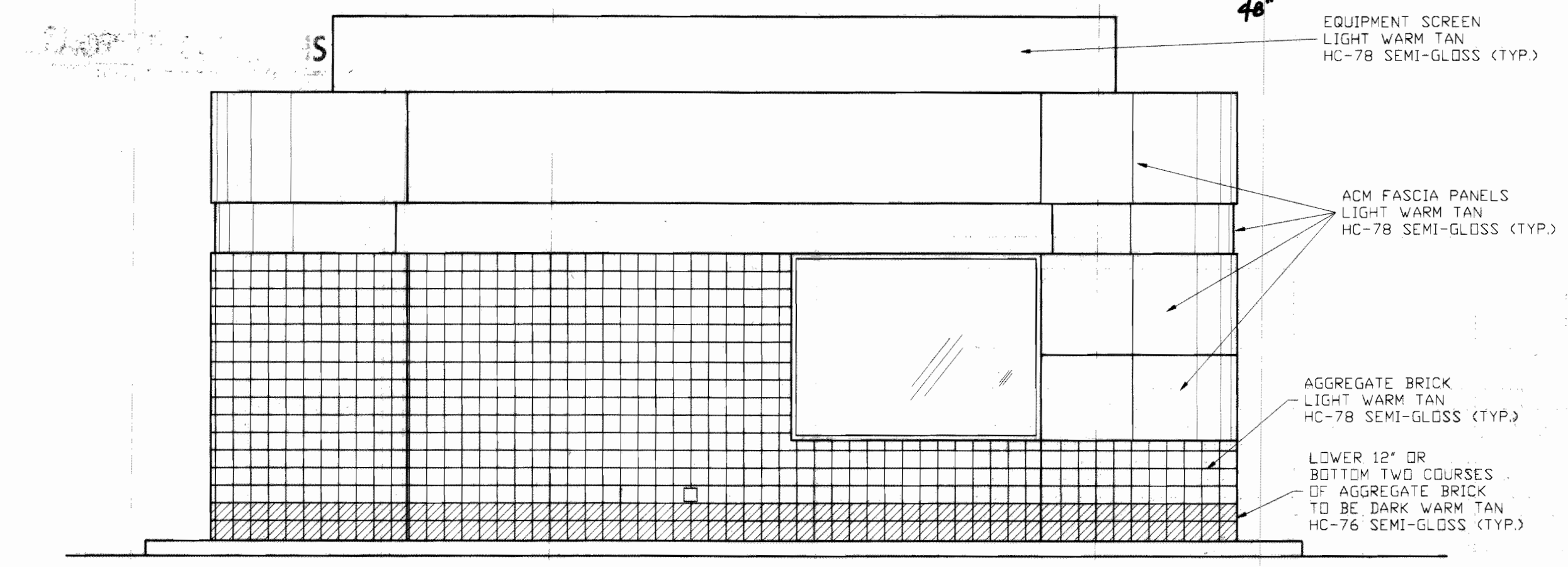
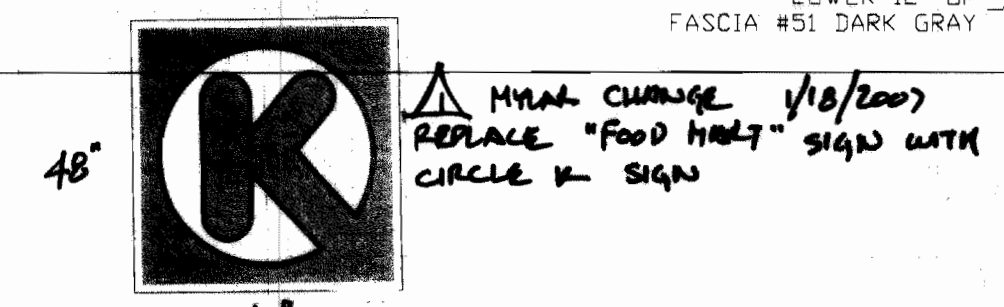
LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1

COUNTY OF ARAPAHOE, STATE OF COLORADO

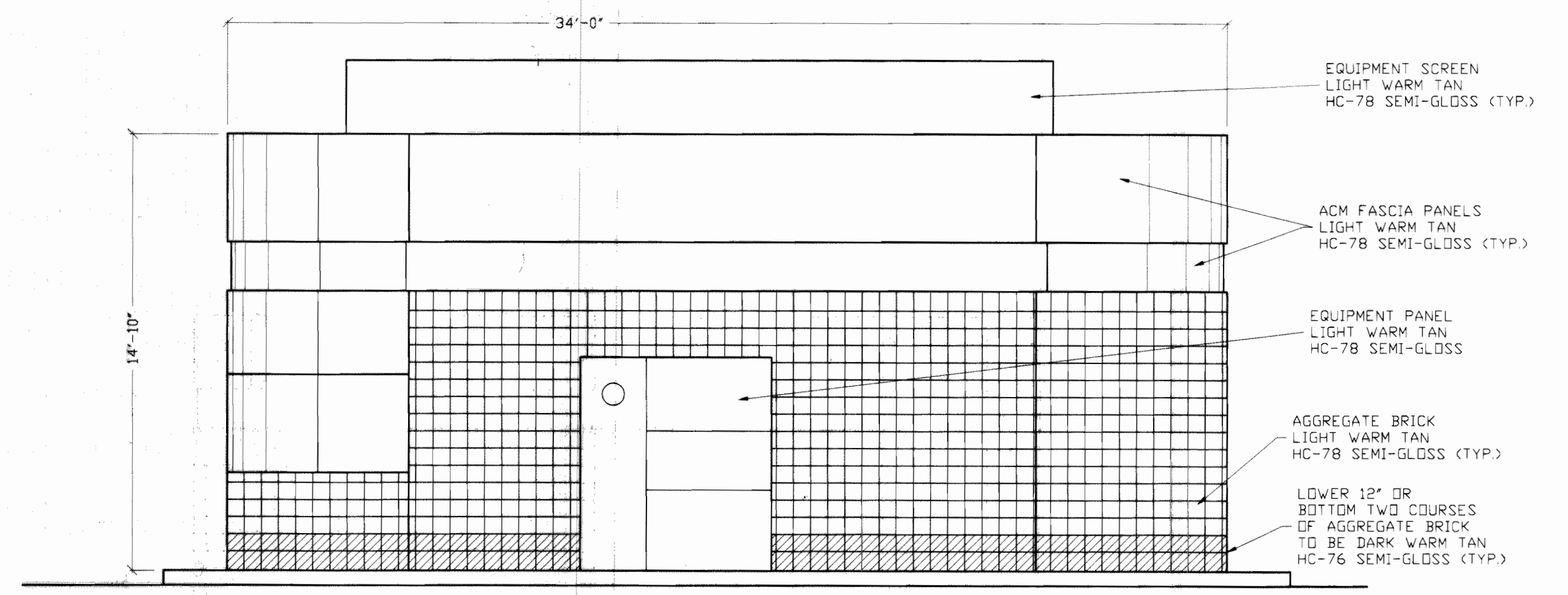
AFS
 ENGINEERS
 Sheldon Henderson
 5902 S. Tempe Wy.
 Centennial, Co. 80015
 (303) 690-6028



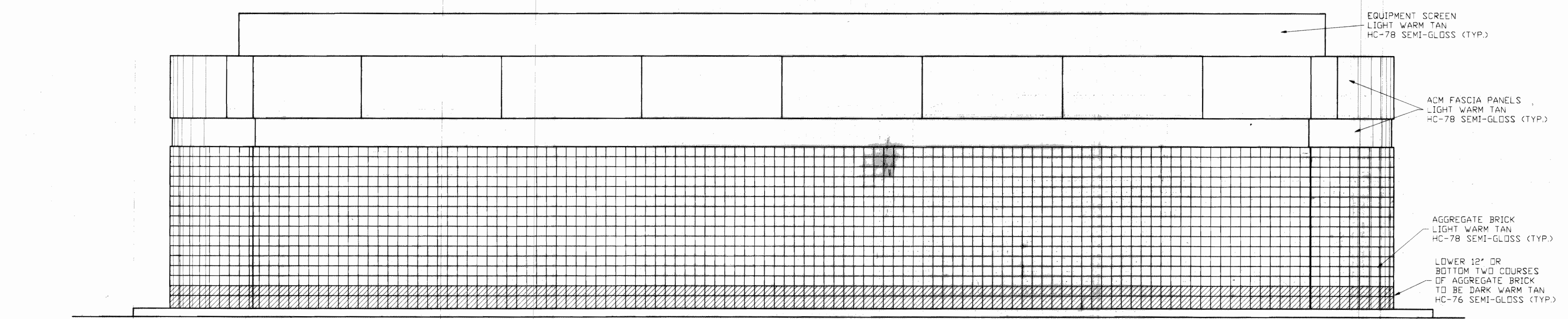
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION



NORTH ELEVATION

"C" STORE ELEVATIONS
 SHELL
 298 S. POTOMAC
 AURORA, CO.
 DATE: 10/4/02 SCALE: NOTED DRAWN BY: SMH CHECKED BY:

| | |
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| SHEET NO. | 3 |
| DATE | |
| REVISION | |
| BY | |
| DATE | |

10-02-02
 1/18/2007

Aurora Hills Star Mart
 1978-6043-07

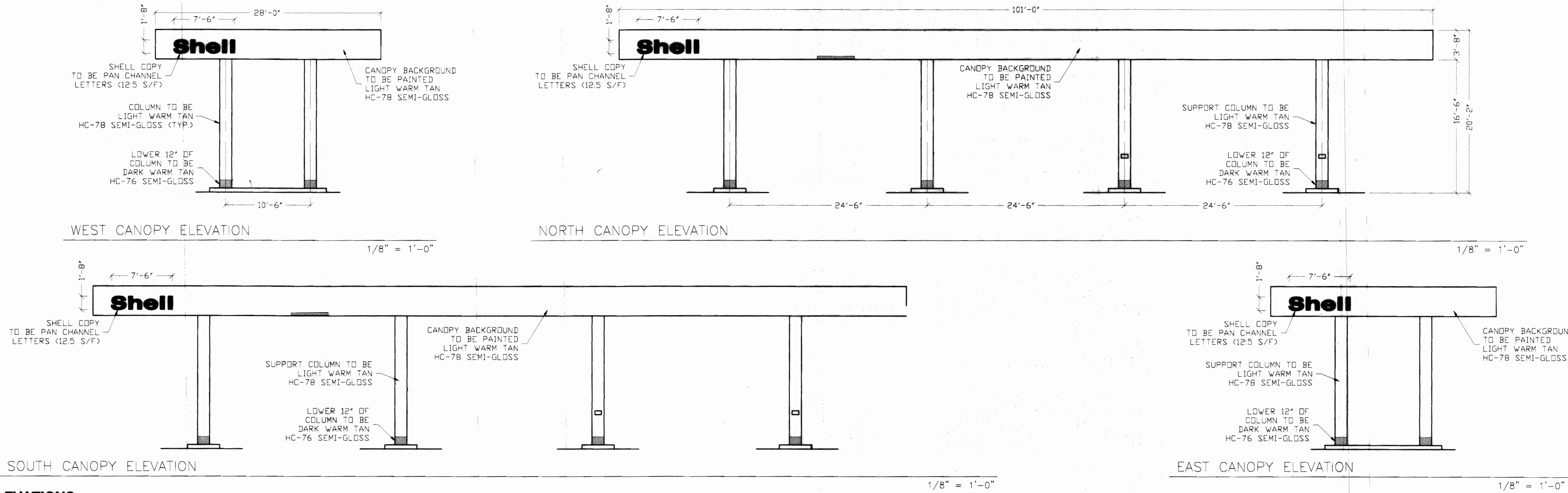
AURORA HILLS STAR MART

SITE PLAN AND USE APPROVAL

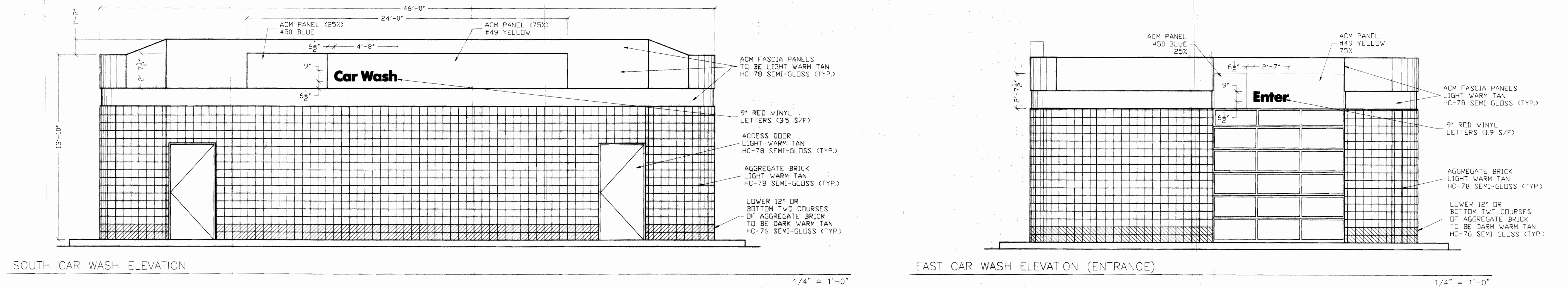
LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1

COUNTY OF ARAPAHOE, STATE OF COLORADO

ACCURATE
Feld Services
Sheldon Henderson
5902 S. Tempe Wy.
Centennial, Co. 80015
(303) 690-6028

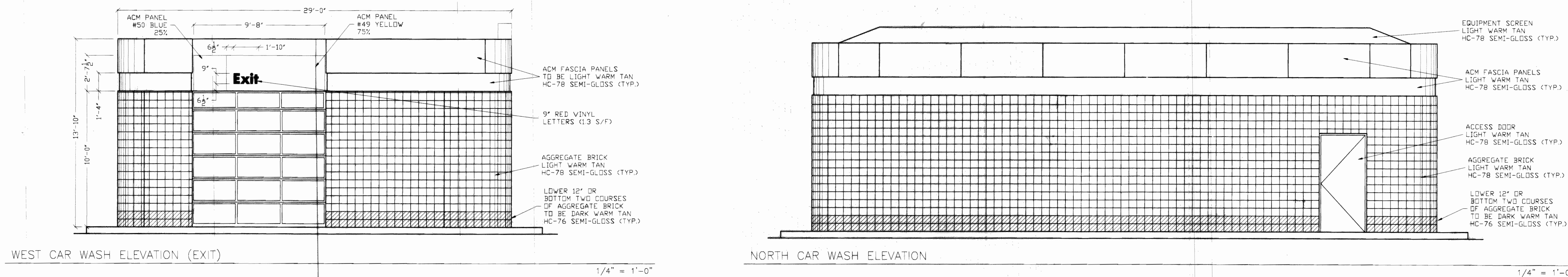


CANOPY ELEVATIONS



SOUTH CAR WASH ELEVATION

EAST CAR WASH ELEVATION (ENTRANCE)



CAR WASH ELEVATIONS

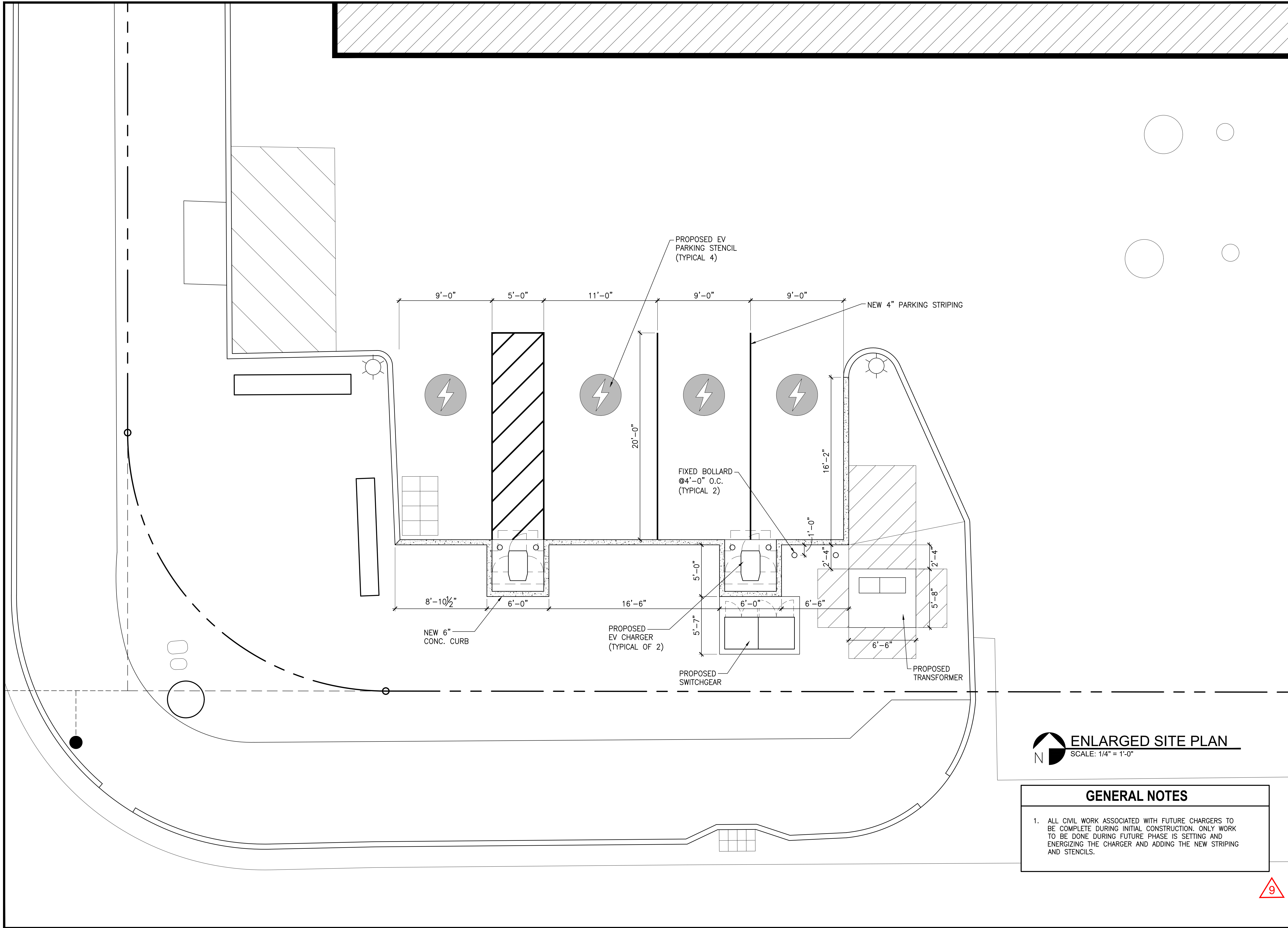
CAR WASH & CANOPY ELEVATIONS
SHELL
298 S. POTOMAC
AURORA, CO.

DATE: 10/4/02 SCALE: NOTED DRAWN BY: SWH CHECKED BY:

| SHEET NO. | DATE | REVISION | BY |
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| 4 | | | |



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012



 **ENLARGED SITE PLAN**
SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. ALL CIVIL WORK ASSOCIATED WITH FUTURE CHARGERS TO BE COMPLETE DURING INITIAL CONSTRUCTION. ONLY WORK TO BE DONE DURING FUTURE PHASE IS SETTING AND ENERGIZING THE CHARGER AND ADDING THE NEW STRIPING AND STENCILS.

| REVISION DESCRIPTION |
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12/18/2023

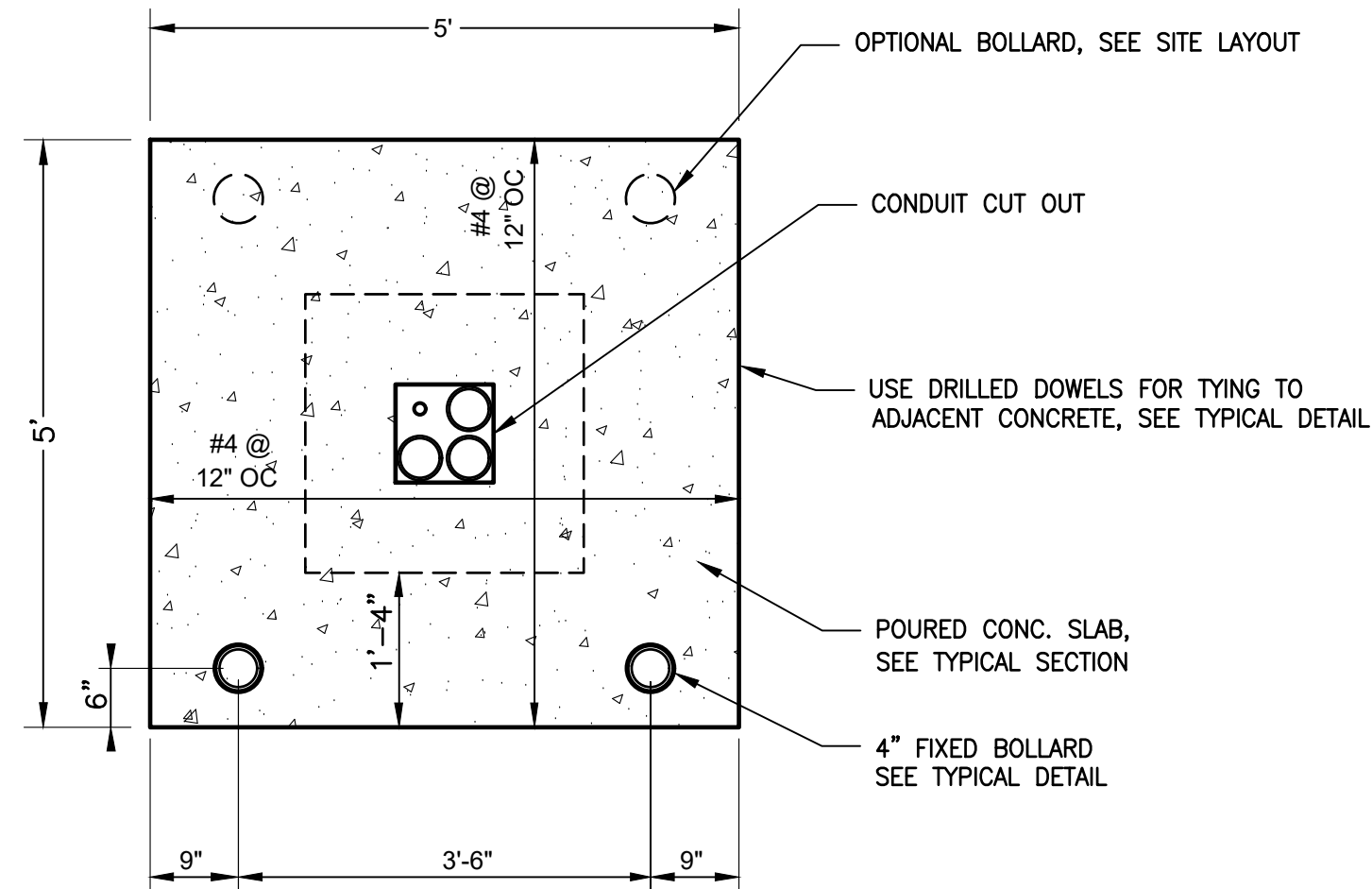
SHEET TITLE

ENLARGED
SITE PLAN

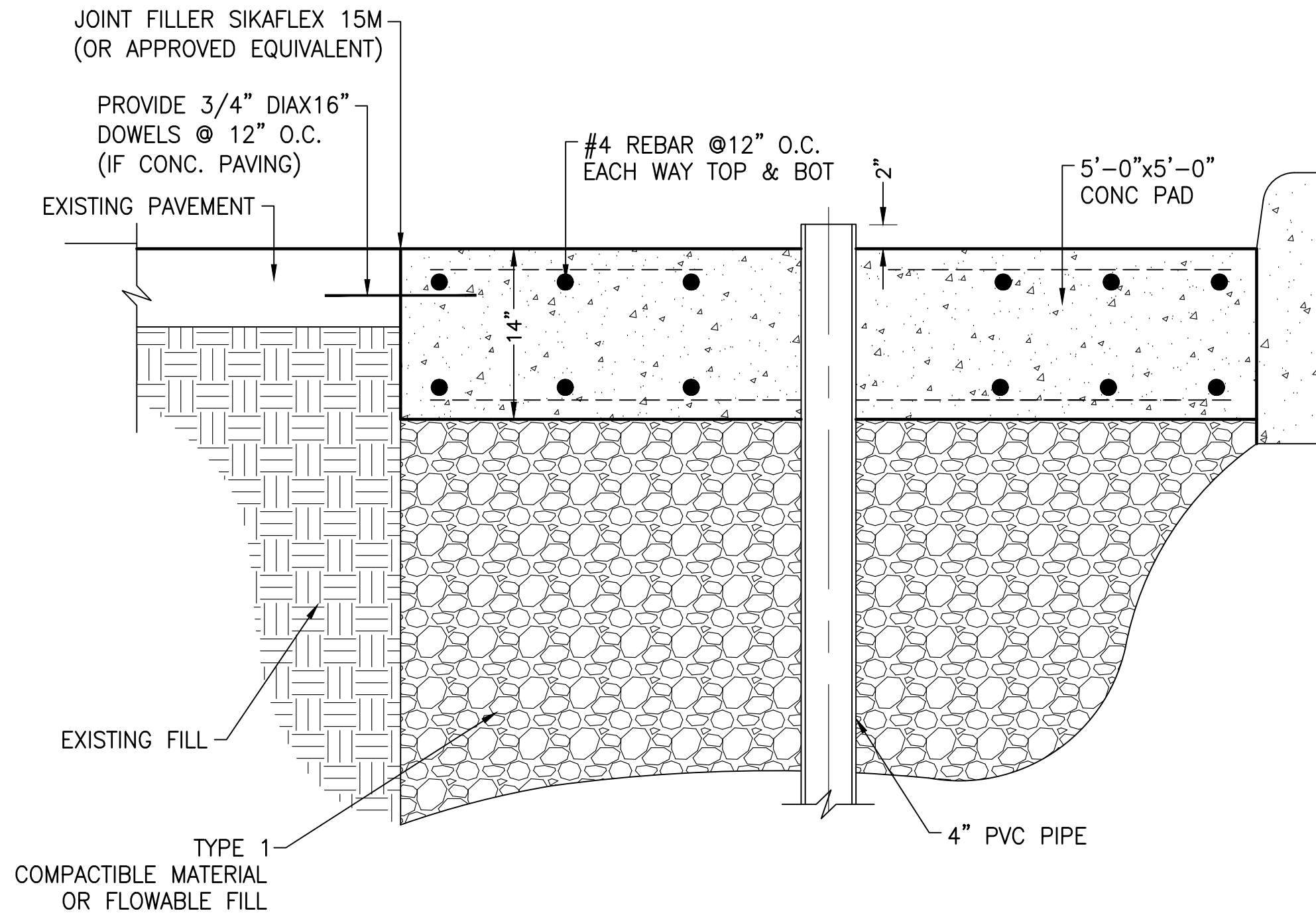
SHEET NUMBER

C-3

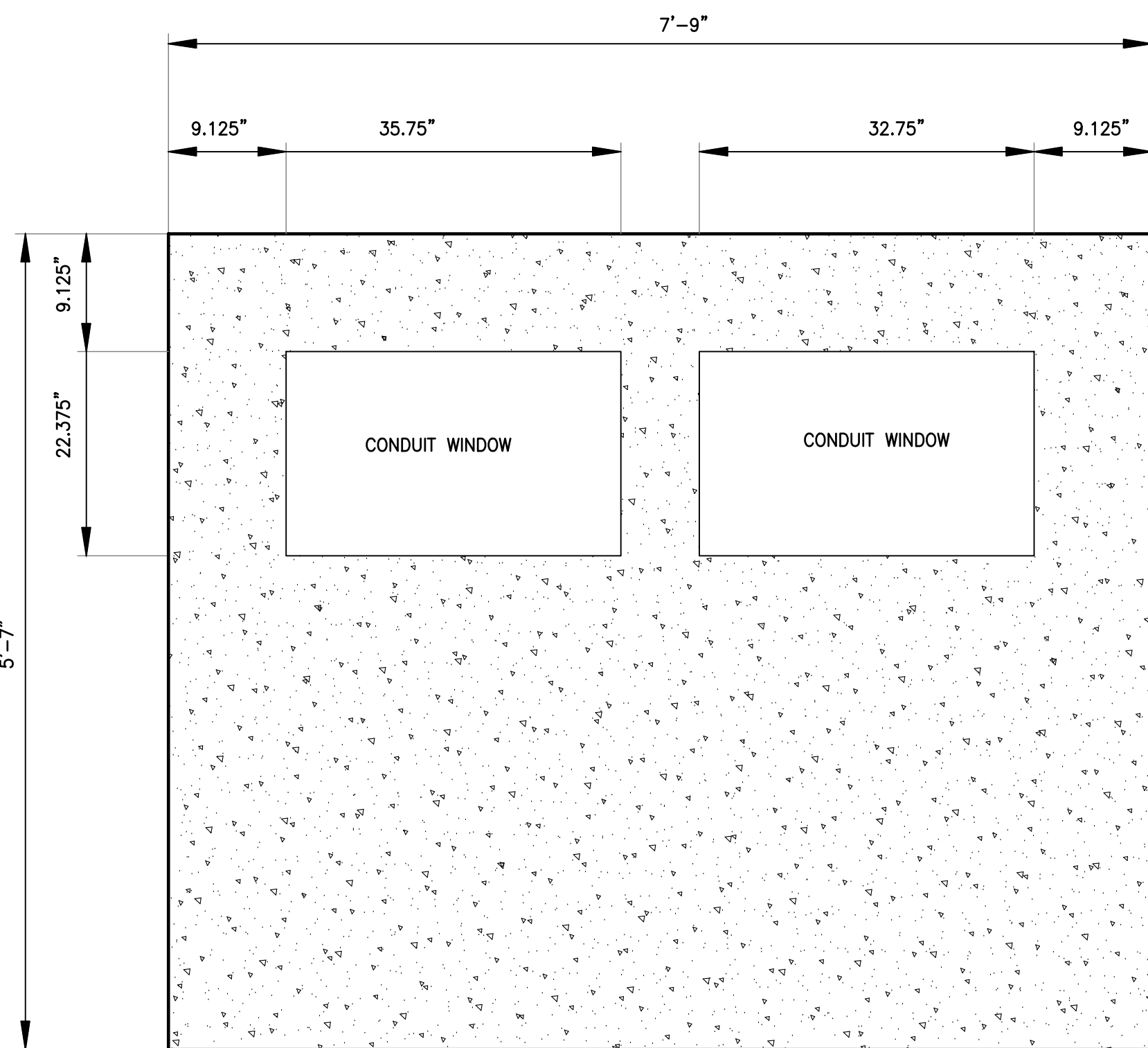
PAGE NUMBER



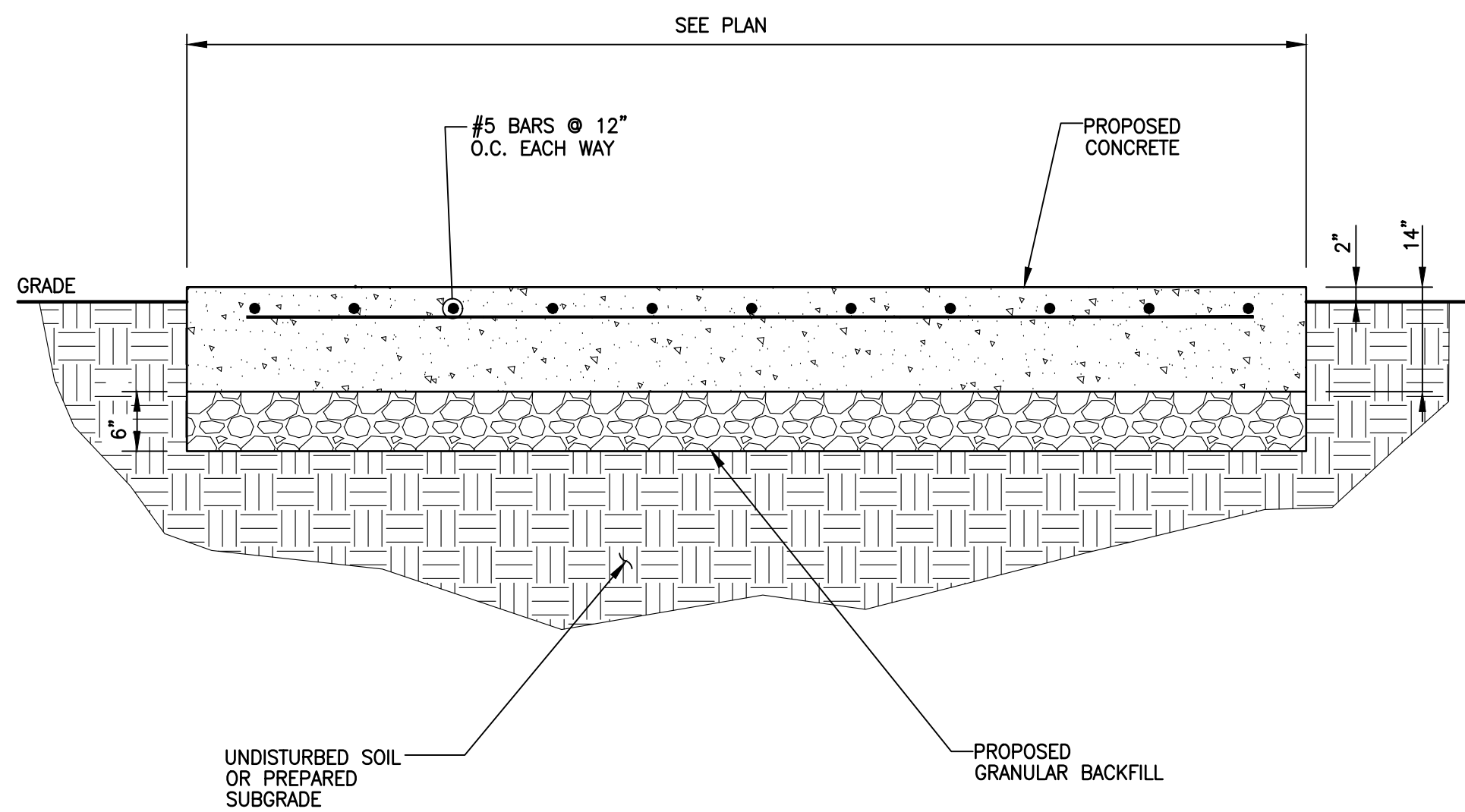
PLAN VIEW - EV CHARGER PAD
NO SCALE



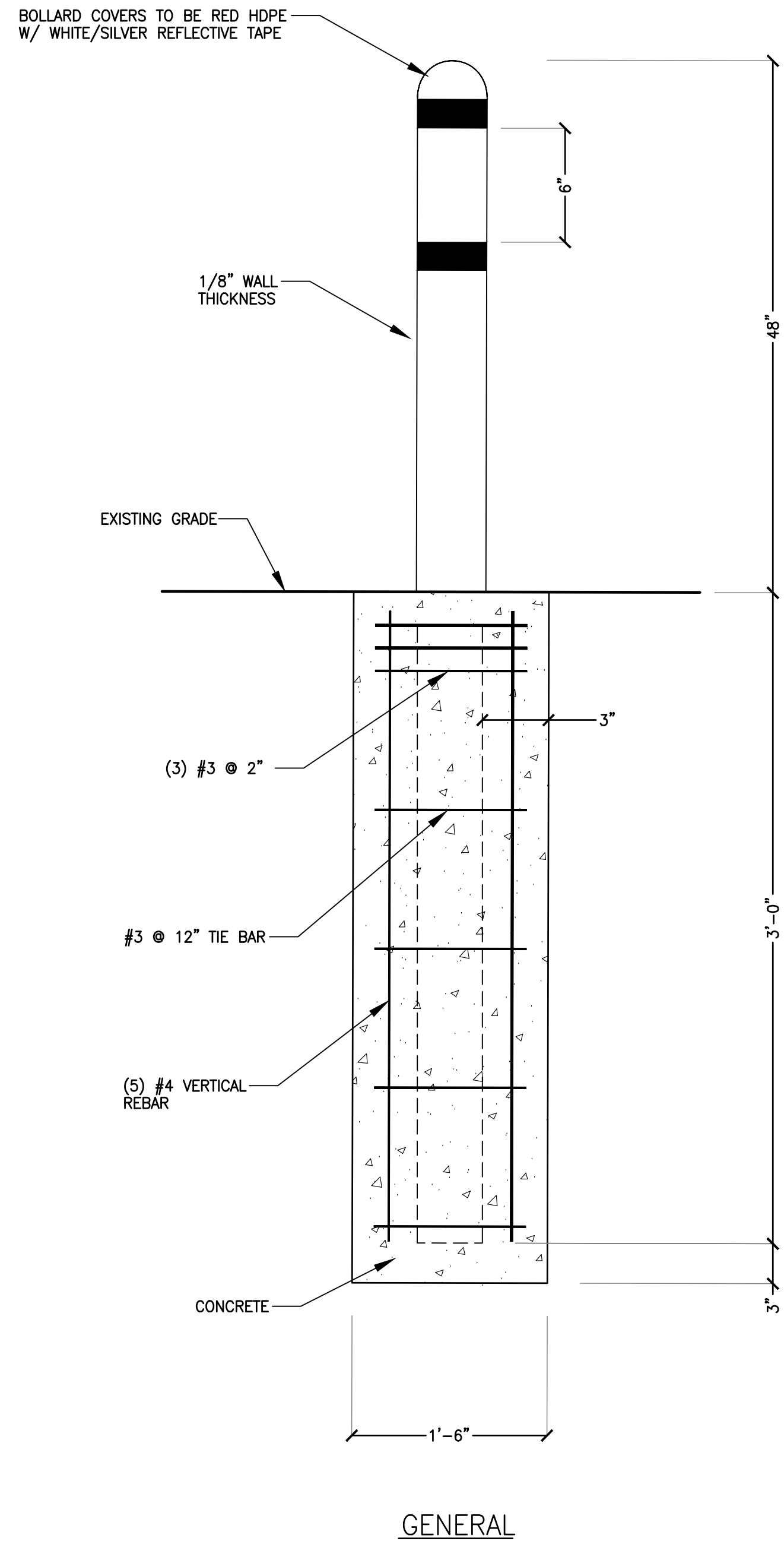
TYPICAL SECTION - DISPENSER PAD & BASE
NO SCALE



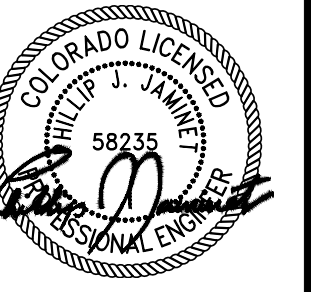
PLAN VIEW - SWITCHGEAR PAD
NO SCALE



TYPICAL SECTION - CONCRETE PAD
NO SCALE



4" FIXED BOLLARD
NO SCALE



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

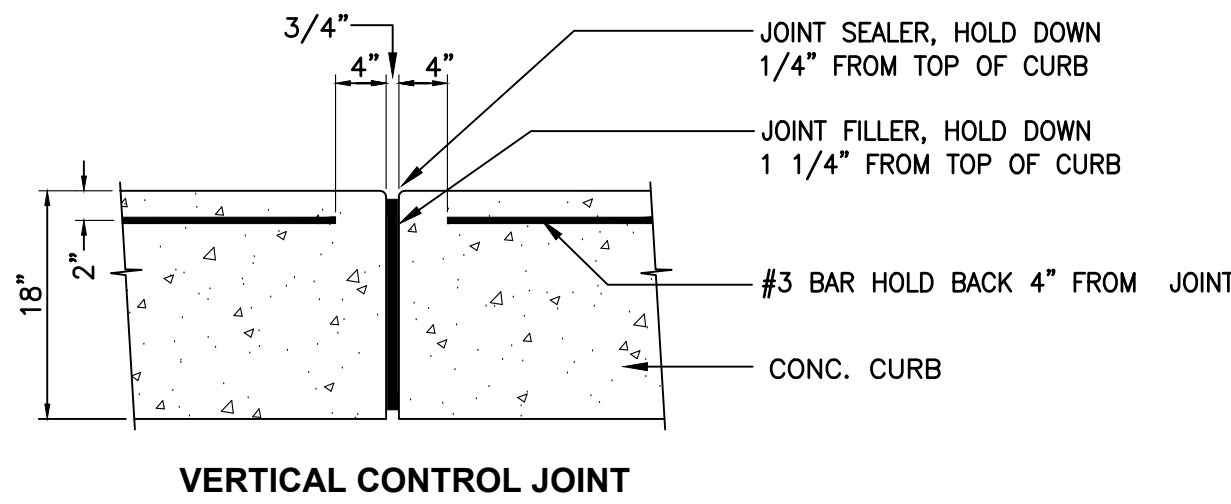
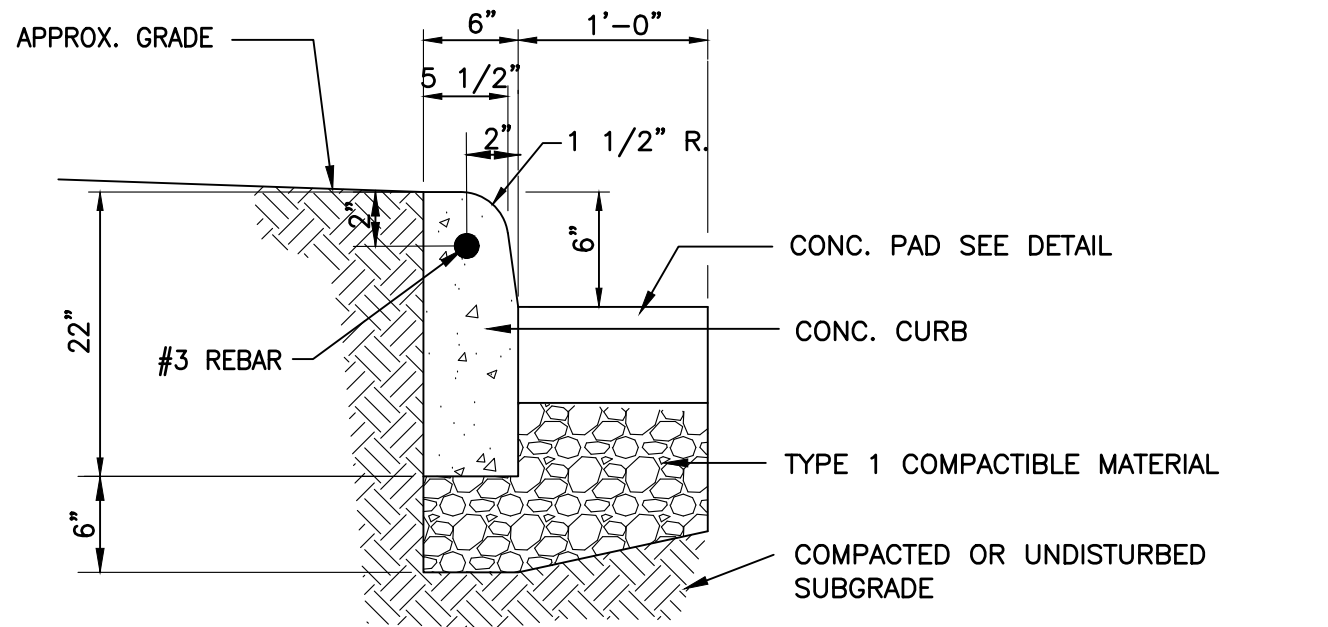
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| DATE | 12/18/2023 |
| SHEET TITLE | CIVIL DETAILS |

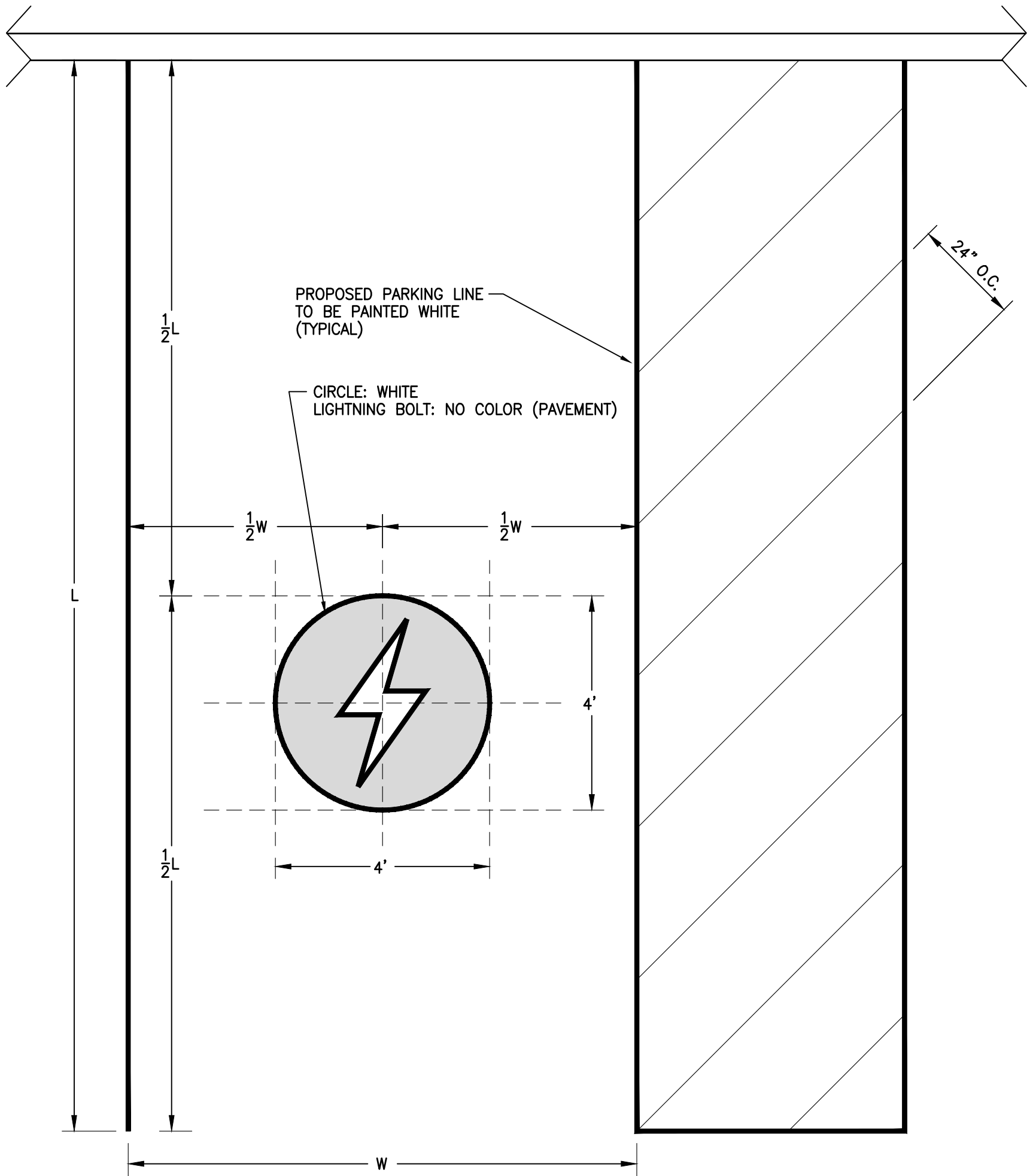
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| SHEET NUMBER | D-1 |
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| PAGE NUMBER | 9 |
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NOTES:
1.MATCH EXISTING CURB TYPE AND PROFILE



TYPICAL CURB DETAIL
NO SCALE

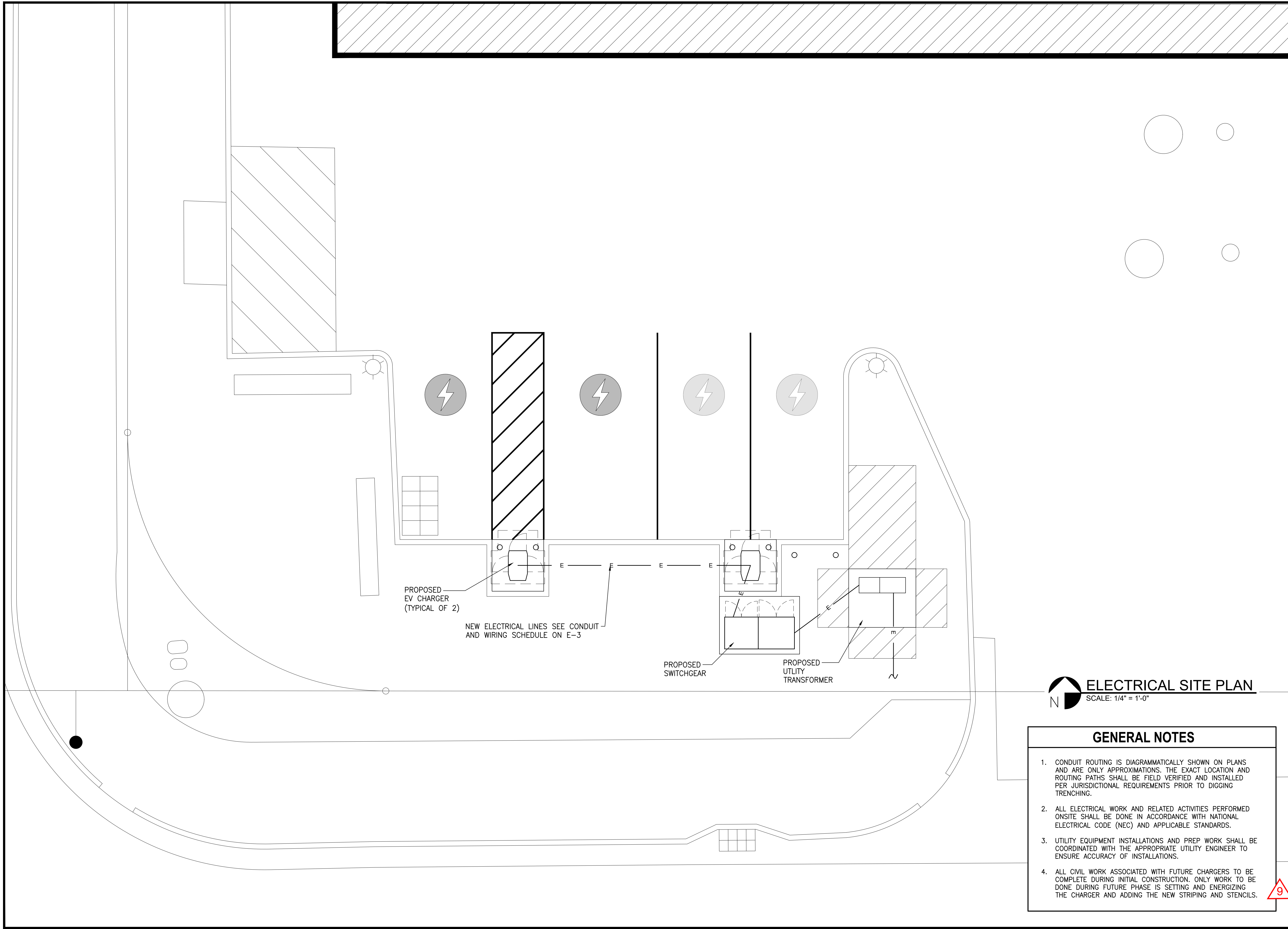


TYPICAL CHARGING STALL DIMENSIONS
NO SCALE



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

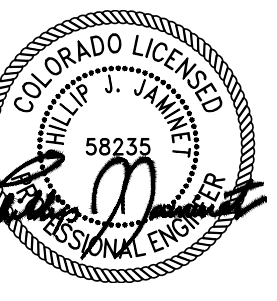
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ELECTRICAL SITE PLAN
SCALE: 1/4" = 1'-0"

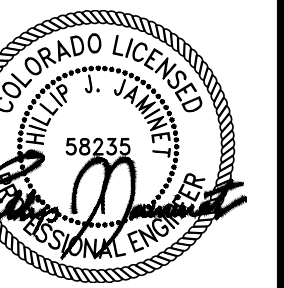
GENERAL NOTES

1. CONDUIT ROUTING IS DIAGRAMMATICALLY SHOWN ON PLANS AND ARE ONLY APPROXIMATIONS. THE EXACT LOCATION AND ROUTING PATHS SHALL BE FIELD VERIFIED AND INSTALLED PER JURISDICTIONAL REQUIREMENTS PRIOR TO DIGGING TRENCHING.
2. ALL ELECTRICAL WORK AND RELATED ACTIVITIES PERFORMED ONSITE SHALL BE DONE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) AND APPLICABLE STANDARDS.
3. UTILITY EQUIPMENT INSTALLATIONS AND PREP WORK SHALL BE COORDINATED WITH THE APPROPRIATE UTILITY ENGINEER TO ENSURE ACCURACY OF INSTALLATIONS.
4. ALL CIVIL WORK ASSOCIATED WITH FUTURE CHARGERS TO BE COMPLETE DURING INITIAL CONSTRUCTION. ONLY WORK TO BE DONE DURING FUTURE PHASE IS SETTING AND ENERGIZING THE CHARGER AND ADDING THE NEW STRIPING AND STENCILS.



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

| REVISION DESCRIPTION | | | | | |
|----------------------|------|-------------------------------------|--|--|--|
| NO. | DATE | | | | |
| NO. | DATE | | | | |
| DATE | | 12/18/2023 | | | |
| SHEET TITLE | | ELECTRICAL ENLARGED SITE PLAN | | | |
| SHEET NUMBER | | E-1 | | | |
| PAGE NUMBER | | 9 | | | |



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

| REVISION | DESCRIPTION | DATE | NO. |
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| DATE | NO. |
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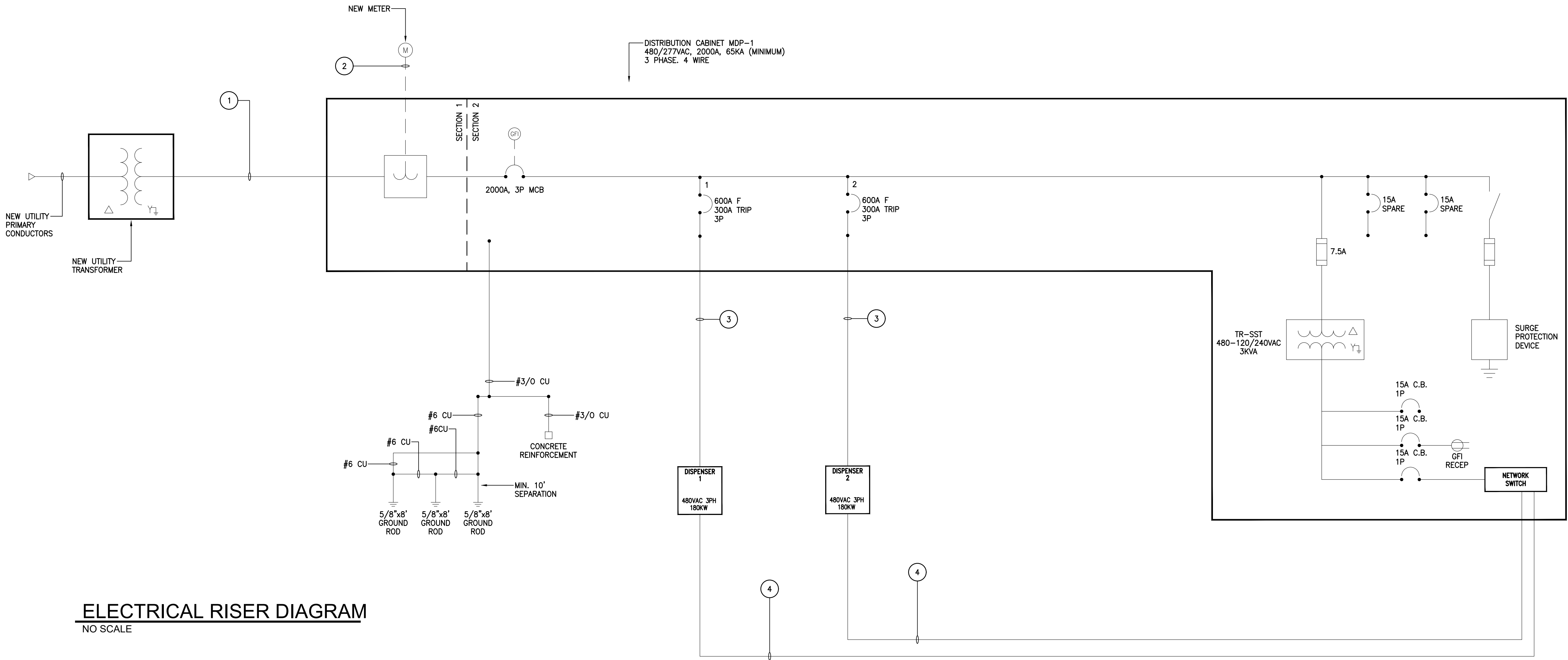
DATE 12/18/2023

SHEET TITLE
ELECTRICAL
SINGLE LINE
DIAGRAM

SHEET NUMBER

E-2

PAGE NUMBER



ELECTRICAL RISER DIAGRAM
NO SCALE

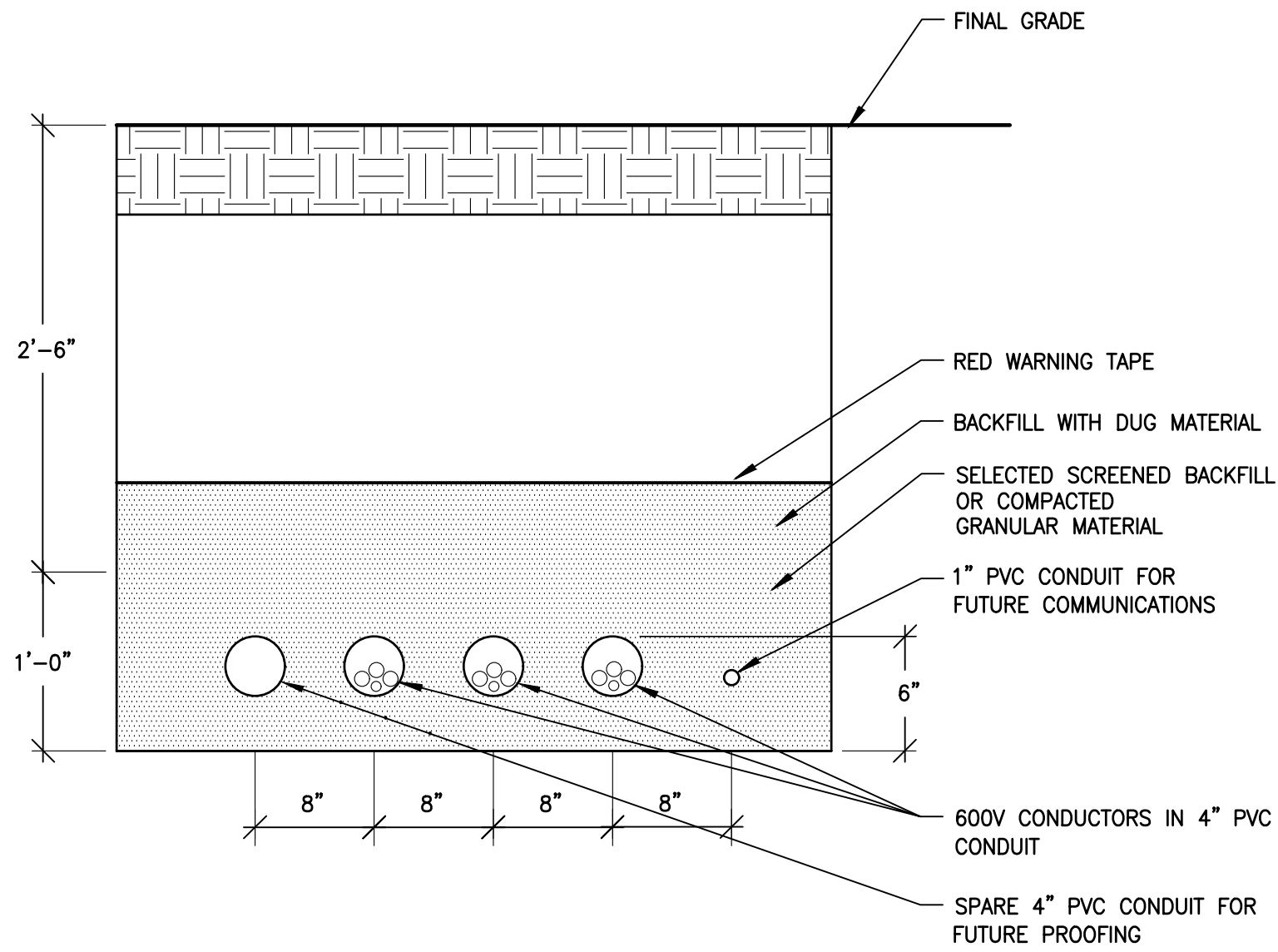
| CONDUIT AND WIRING SCHEDULE | | | |
|-----------------------------|--|--|---|
| | FROM | TO | CONFIGURATION |
| 1 | PROPOSED UTILITY TRANSFORMER (BY OTHERS) | PROPOSED 480V SWITCHBOARD | 5 SETS OF (4) 600 KCMIL CU (RWU90)+ IN 4" SCH 40 PVC CONDUIT+ 4" SPARE CONDUIT |
| 2 | PROPOSED UTILITY TRANSFORMER (BY OTHERS) | PROPOSED METER | 1-1/4" PVC CONDUIT FOR METERING CIRCUITS PER UTILITY |
| 3 | PROPOSED 480V SWITCHBOARD | PROPOSED DC DISPENSER (POST) DC POWER | 1 SET OF (3) 500 KCMIL CU (RWU90) 1KV + #3 AWG CU GND IN 4" SCH 40 PVC CONDUIT + 4" SPARE CONDUIT |
| 4 | NETWORK SWITCH | PROPOSED DC DISPENSER (POST) COMMUNICATION | SHIELDED CAT6 W/ RJ45 TERMINATIONS IN 1" SCH 40 PVC CONDUIT |

| MDP-1 LOAD CALCULATION | | | |
|-----------------------------|---------------------|--------------|------------------|
| LIGHTING | 0.0 | KVA | X 125% = 0.0 KVA |
| RECEPTACLE | TOTAL .2 KVA | | |
| | 1ST 10.00 KVA | X 100% = | 0.2 KVA |
| | REMAIN 0.00 KVA | X 50% = | 0.0 KVA |
| MOTORS | TOTAL 0.00 KVA | X 100% = | 0.0 KVA |
| | LARGEST 0.00 KVA | X 125% = | 0.0 KVA |
| | REMAIN 0.00 KVA | X 100% = | 0.0 KVA |
| A/C | 0.00 | KVA X 100% = | 0.0 KVA |
| HEATING | 0.00 | KVA X 100% = | 0.0 KVA |
| LOCKED-OUT LOAD | | KVA X 100% = | 0.0 KVA |
| KITCHEN | 0.00 | KVA X 65% = | 0.0 KVA |
| DATA PROCESSING | 0.00 | KVA X 85% = | 0.0 KVA |
| MISCELLANEOUS (EV CHARGERS) | 360.0 | KVA X 100% = | 360 KVA |
| TOTAL | = 360.20 KVA | | |
| | = 433.25 AMPS @480V | | |

- NOTES
- NO EXPOSED 480VAC AND 120VAC WIRING PERMITTED INSIDE DISTRIBUTION CABINET
 - CONTRACTOR TO PROVIDE MINIMUM 4" SLACK CABLE AT ALL EQUIPMENT TERMINALS. LESS SLACK IS PERMITTED WHERE EQUIPMENT LAYOUT DOES NOT PERMIT SUFFICIENT SPACE
 - CONTRACTOR TO LABEL MAIN SWITCH TO INDICATE MAXIMUM RATING.
 - PROVIDE ALL LABELING REQUIRED BY NEC ####. LABELING SHALL CORRESPOND TO EQUIPMENT DESIGNATION SHOWN IN ONE LINE DIAGRAM
 - NETWORK SWITCH SHALL BE LOCATED IN TELECOM PANEL

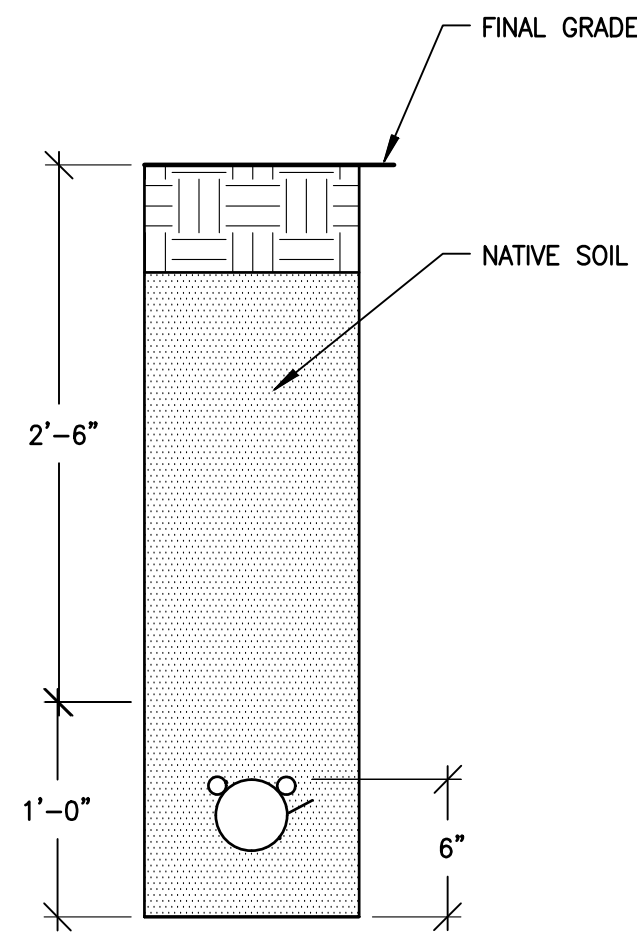
| SYMBOL | DESCRIPTION |
|--------|--|
| | CIRCUIT BREAKER "##A F" - INDICATES AMPERAGE FRAME RATING "##A TRIP" - INDICATES AMPERAGE TRIP RATING "#P" - INDICATES NUMBER OF POLES |
| | FUSED DISCONNECT SWITCH "##AS" - INDICATES SWITCH SIZE "##AF" - INDICATES FUSE SIZE |
| | NON-FUSED DISCONNECT SWITCH "#A" - INDICATES SWITCH SIZE "#P" - INDICATES NUMBER OF POLES |
| | TRANSFORMER |
| | GROUNDING CONNECTION |
| | PANELBOARD - REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION |

| LIGHT FIXTURE SCHEDULE | | | | | | |
|------------------------|--------|--|--|-------------------|----------|--------------------------|
| TYPE | SYMBOL | DESCRIPTION | MANUFACTURER | LAMPING | MTG | NOTES |
| LIGHT POLE | | ARCHITECTURAL ARM MOUNTED FULL CUTOFF LED AREA LIGHT | BEACON VP-L/80NB-180/4K/T4/UNV/PEC/RA/WHT ON A SSS-B-25-40-B-1-B3-WHT POLE | LED 20,000lm 180W | 25' POLE | 1. TYPE IV DISTRIBUTION. |



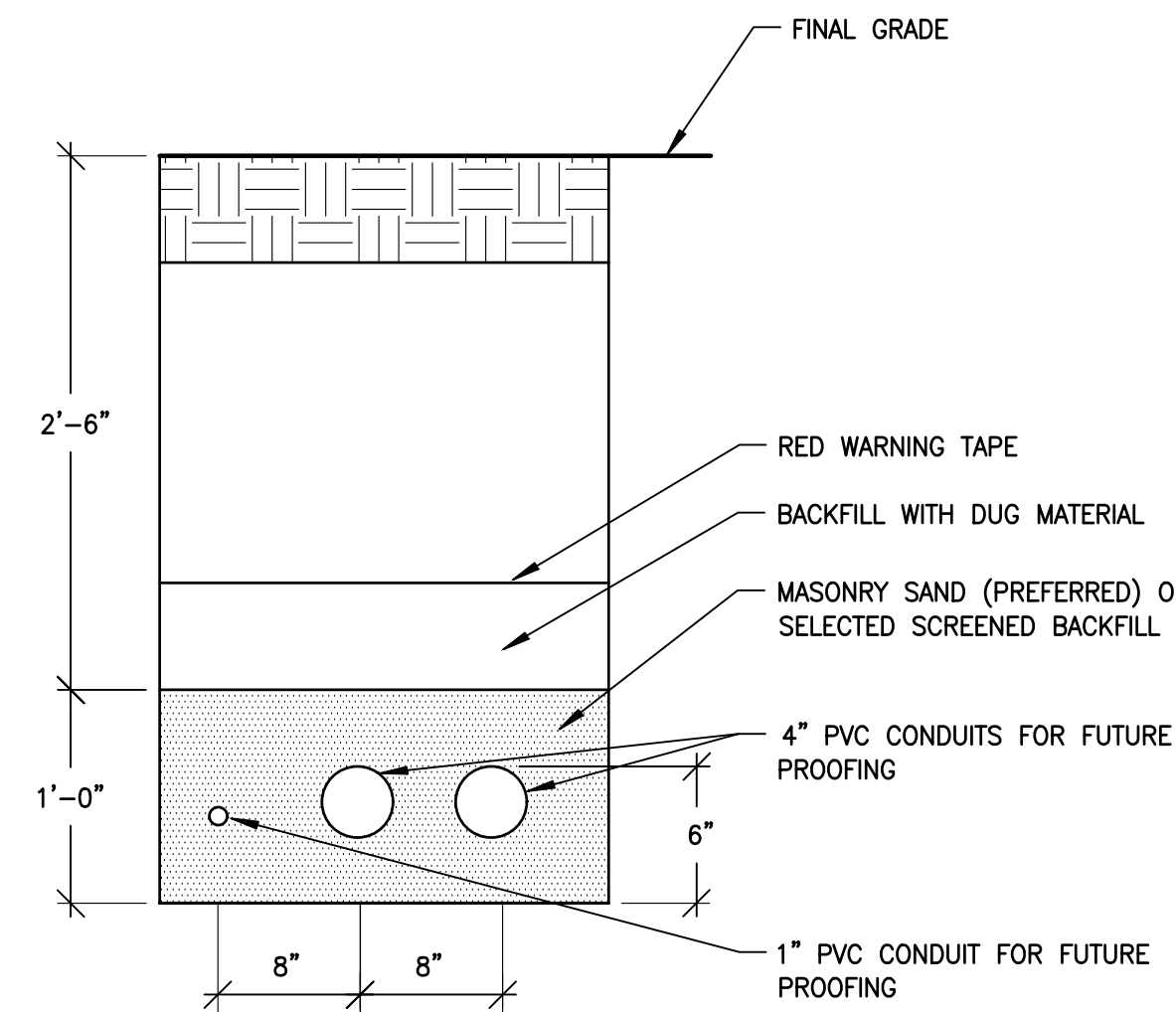
- NOTES:
1. USE THIS DETAIL FOR SERVICE ENTRANCE AND FOR CONDUITS TO/FROM METERING AND TRANSFORMER.

TYPICAL SERVICE ENTRANCE DETAIL
NO SCALE



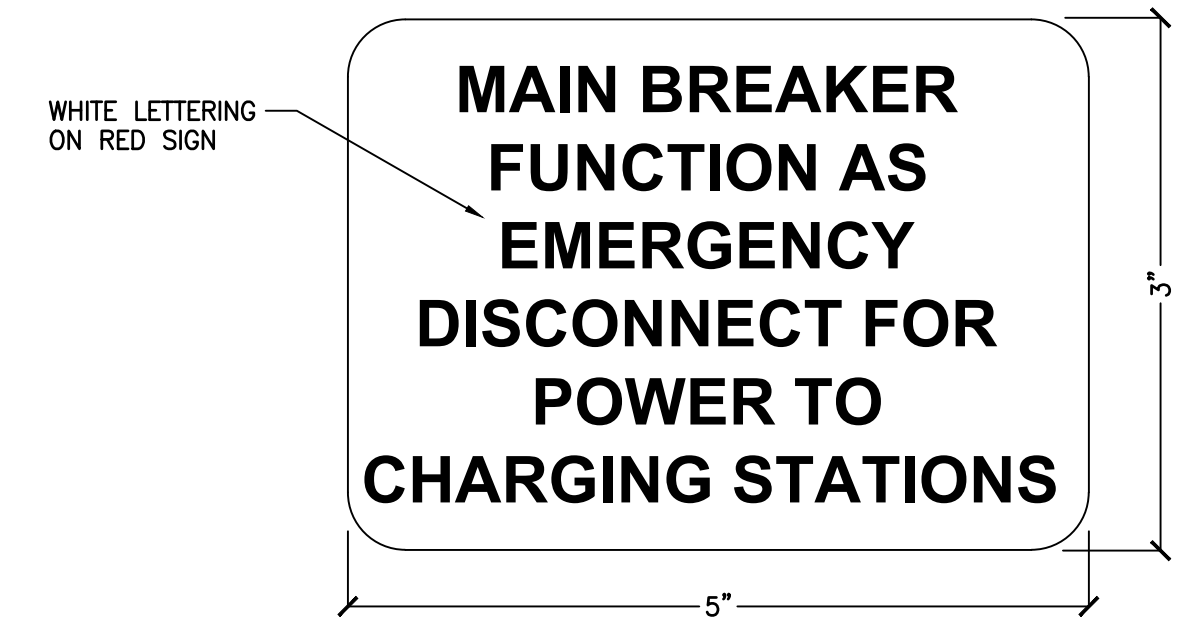
- NOTES:
1. REFER TO CIVIL DRAWINGS G001 FOR DIRECTIONAL DRILL REQUIREMENTS.
 2. ALL CONDUITS TO BE PULLED TOGETHER WITHOUT INTENTIONAL SEPARATION.
 3. DEPTH OF BURIAL MAY BE REDUCED TO CODE MINIMUM AT RECEIVING & ENTRANCE PITS.
 4. CONTRACTOR MAY UTILIZE DIRECTIONAL DRILLING FOR THE CONDUIT RUN BETWEEN THE DISTRIBUTION PANEL AND THE CHARGERS SUBJECT TO APPROVAL BY CONSTRUCTION MANAGER AND OWNER.

TYPICAL DETAIL FOR DIRECTIONAL BORING
NO SCALE

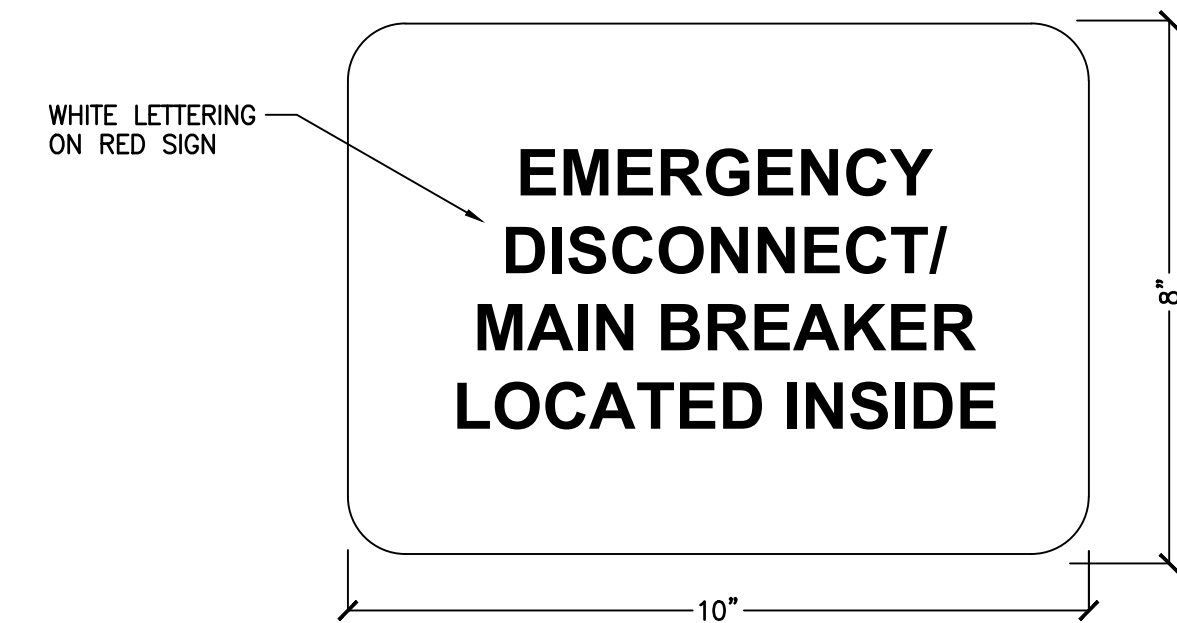


- NOTES:
1. QTY (2) 4" CONDUCTOR CONDUIT, QTY (1) 1" COMMUNICATIONS CONDUIT TO BE USED FOR ALL CHARGER POSITIONS

CONDUITS FOR EACH CHARGER
NO SCALE



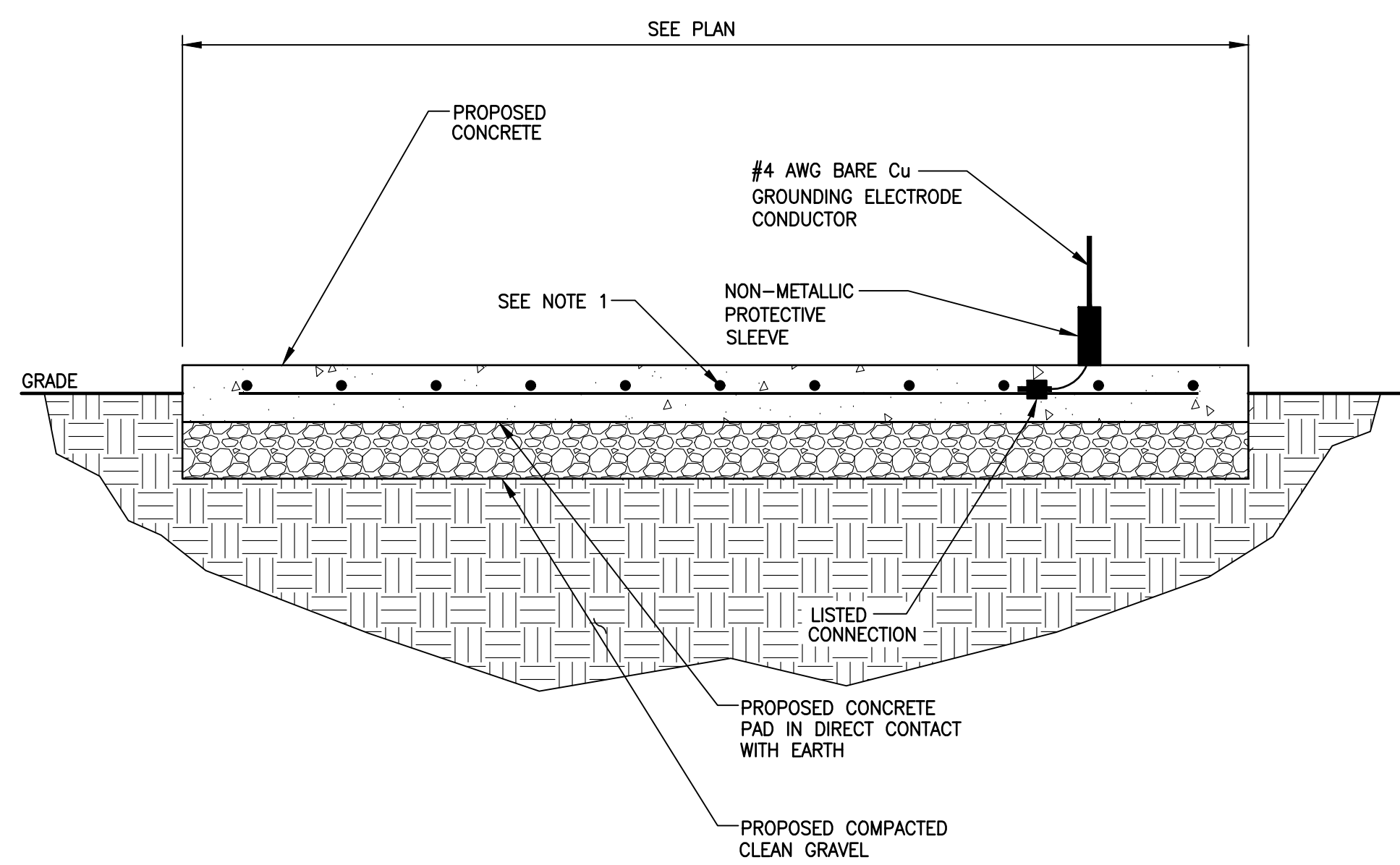
- NOTES:
1. TO BE PLACED BY THE MAIN BREAKER INSIDE SWITCHBOARD.



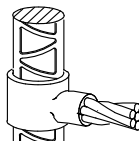
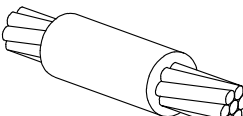
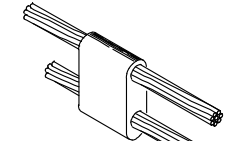
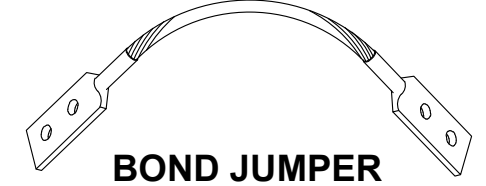
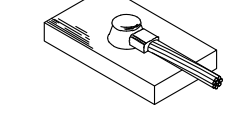
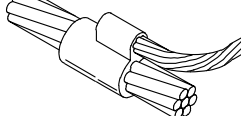
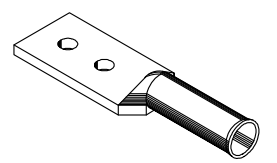
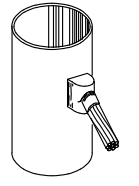
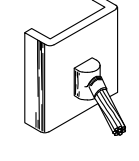
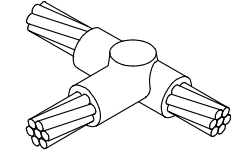
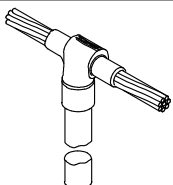
- NOTES:
1. TO BE PLACED ON OUTSIDE OF SWITCHBOARD SECTION HOUSING THE MAIN BREAKER.

EMERGENCY DISCONNECT SIGN DETAIL
NO SCALE

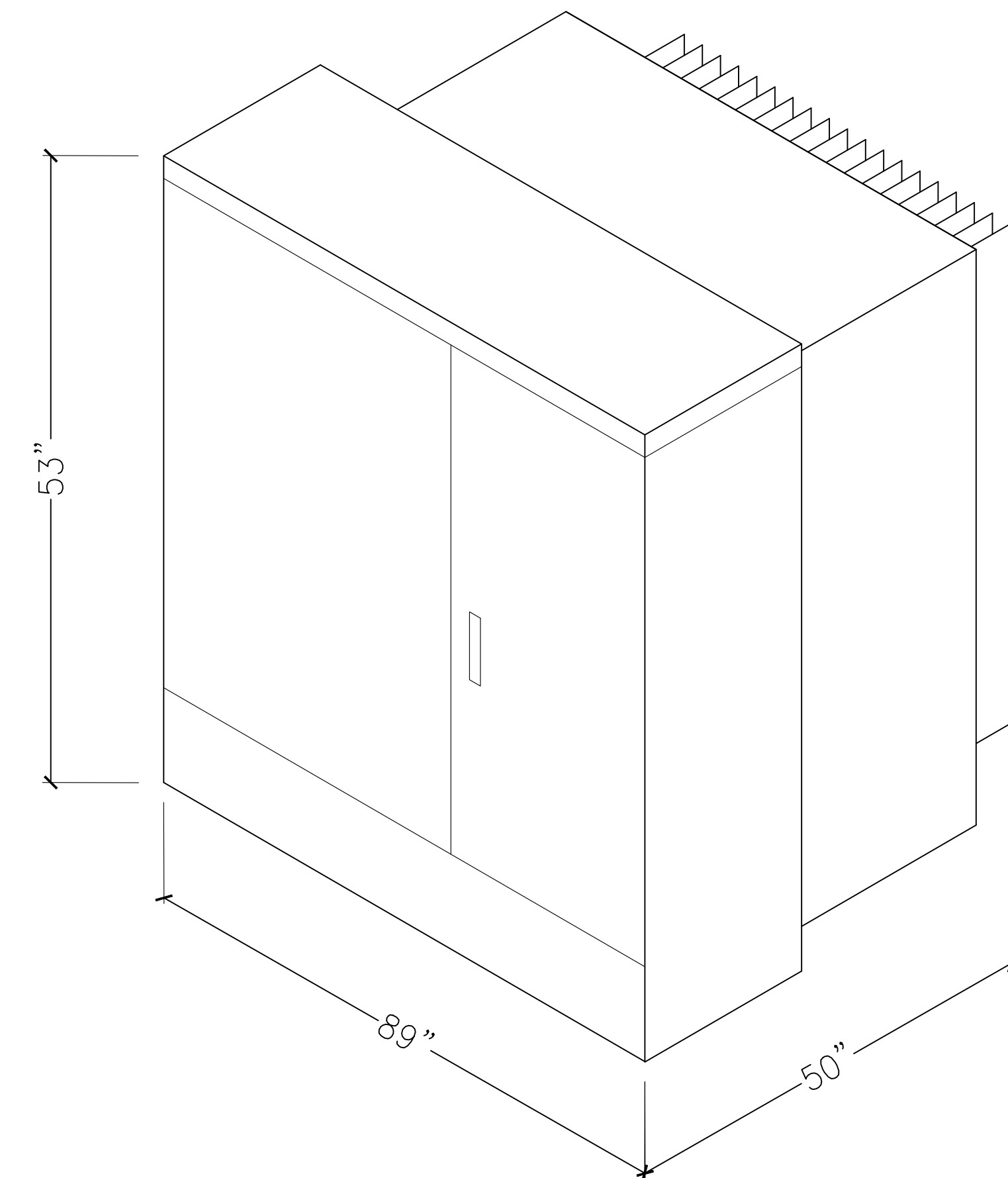
- NOTE
1. REBAR BONDED TOGETHER WITH STEEL TIE WIRES OR EXOTHERMIC WELDING



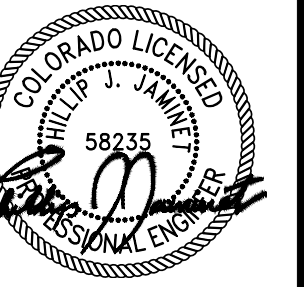
CONCRETE ENCASED ELECTRODE DETAIL
NO SCALE

| CADWELD CONNECTIONS OR ENGINEER APPROVED EQUAL | | |
|--|---|---|
|  CABLE TO REBAR TEE CONNECTION HORIZONTAL CABLE TAP TO VERTICAL REBAR TYPE RJ |  HORIZONTAL SPLICE SPLICE OF HORIZONTAL CABLES TYPE SS |  PARALLEL HORIZONTAL CONDUCTORS PARALLEL THROUGH CONNECTION OF HORIZONTAL CABLES TYPE PT |
| BURNDY CONNECTIONS OR ENGINEER APPROVED EQUAL | | |
|  BOND JUMPER FIELD FABRICATED GREEN STRANDED INSULATED TYPE 2-YA-2 |  HORIZONTAL STEEL SURFACE TO FLAT STEEL SURFACE OR HORIZONTAL PIPE TYPE HS |  PARALLEL HORIZONTAL CONDUCTORS PARALLEL DEAD END TAP OR HORIZONTAL THRU CONDUCTOR TYPE PC |
|  COPPER LUGS TWO HOLE - LONG BARREL LENGTH TYPE YA-2 |  VERTICAL PIPE CABLE DOWN AT 45° TO RANGE OF VERTICAL PIPES TYPE VS |  VERTICAL STEEL SURFACE CABLE DOWN AT 45° TO VERTICAL STEEL SURFACE INCLUDING PIPE TYPE VS |
|  HORIZONTAL TEE TEE OF HORIZONTAL RUN AND TAP CABLES TYPE TA |  THROUGH CABLE TO GROUND ROD THROUGH CABLE TO TOP OF GROUND ROD TYPE GT | |

CONCRETE ENCASED ELECTRODE DETAIL
NO SCALE



TRANSFORMER DIMENSIONS
NO SCALE



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|----------|-------------|------|-----|------|--------------------|--------------|-------------|
| | | | | | ELECTRICAL DETAILS | E-3 | |

ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

1. INSTALL COMPLETE ELECTRICAL SYSTEM INCLUDING POWER AND CONTROL WIRING TO CONNECT THE ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE, ALSO KNOWN AS CHARGERS) TO THE GRID.
2. IN GENERAL, THE CONTRACTOR SHALL:

a. PROVIDE ELECTRICAL DISTRIBUTION CABINET

b. PROVIDE FREE STANDING METER BASE ACCORDING TO UTILITY STANDARDS.

c. SUPPLY AND INSTALL ALL CONDUIT AND WIRING SYSTEMS.

d. SUPPLY AND INSTALL SYSTEM GROUNDING PER CODE.

e. MAKE ALL POWER AND CONTROL CONNECTIONS.

f. COMMISSION ELECTRICAL EQUIPMENT PER NETA ATS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

g. OBTAIN UTILITY CONNECTION AUTHORIZATION.

h. PROVIDE QUALIFIED ELECTRICAL SUPPORT DURING EVSE COMMISSIONING BY OTHERS.

i. SITE LIGHTING CONSISTING OF POLE, ILLUMINATED SIGN, SITE LIGHT AND SIGNAGE
3. THE FOLLOWING EQUIPMENT SHALL BE PROVIDED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR:

a. ELECTRICAL VEHICLE POWER SUPPLY EQUIPMENT (CHARGERS)

b. ELECTRICAL DISTRIBUTION CABINET
4. THE UTILITY WILL SUPPLY POWER TO THE SITE IN ACCORDANCE WITH THE PLANS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL COMPLETE ALL WORK IDENTIFIED AS CUSTOMER SCOPE ON THIS DRAWING AND COORDINATE THE CONNECTION WITH THE UTILITY.

GENERAL

1. THE CONTRACTOR SHALL PROVIDE ALL LABOR, SUPERVISION, TOOLS, EQUIPMENT, MATERIALS, SERVICES AND MISCELLANEOUS EXPENSES NECESSARY TO COMPLETE THE WORK AS OUTLINED ON THE DRAWINGS. PROVIDE ALL MINOR ITEMS AND WORK NOT SHOWN OR SPECIFIED BUT WHICH ARE REASONABLY NECESSARY TO COMPLETE THE WORK.
2. WORK WHICH IS INDICATED, BUT NOT COMPLETELY DETAILED SHALL BE INSTALLED BY COMMON PRACTICE OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
3. ARRANGE WORK NEATLY AND IN COMPACT FASHION TO MAXIMIZE SPACE AVAILABLE TO ACCOMMODATE FUTURE MATERIALS AND/OR EQUIPMENT AS INDICATED AND TO ACCOMMODATE EQUIPMENT AND/OR MATERIAL SUPPLIED BY OTHER TRADES AS WELL AS TO ACCOMMODATE UNPLANNED FUTURE EQUIPMENT. VERIFY SPACES IN WHICH WORK IS TO BE INSTALLED. INSTALL CONDUIT AND CABLE RUNS TO MAINTAIN HEADROOM AND CLEARANCES TO CONSERVE SPACE. 4.INFORM CONTRACT MANAGER OF ANY CHANGES OR ADDITIONS TO MATERIALS, AND/OR EQUIPMENT NECESSARY TO ACCOMMODATE AS--FOUND CONDITIONS (RUNS AROUND EXISTING SERVICES, ETC.).
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND COST OF ALL REPAIRS TO SERVICES DAMAGED DURING CONSTRUCTION.

CODES AND STANDARDS

1. ALL SUPPLIED MATERIAL AND WORK SHALL MEET THE REQUIREMENTS OF 2008 NEC STANDARD. ALL SUPPLIED EQUIPMENT MUST BE DESIGNED, BUILT, TESTED IN ACCORDANCE WITH THE RELEVANT STANDARDS FOR ILLINOIS, USA AND MUST BE MARKED WITH THE APPROPRIATE APPROVALS.
2. REFER TO LATEST VERSION OF 2008 NEC STANDARD FOR ACCEPTABLE MARKING. ALL COSTS RELATED TO APPROVALS ARE THE SOLE RESPONSIBILITY OF THE VENDOR.
3. THE CONTRACTOR SHALL ARRANGE FOR INSPECTIONS AND OBTAIN CONNECTION APPROVALS FOR THE PROJECT. THE OWNER SHALL ARRANGE FOR PLAN REVIEW.

CONTRACT DRAWINGS

1. IF DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS ARE FOUND, OR IF THE INTENT OR MEANING IS NOT CLEAR, ADVISE THE CONSTRUCTION MANAGER TO CONTACT THE ENGINEER FOR CLARIFICATION BEFORE SUBMITTING TENDER.

CONSTRUCTION/SHOP DRAWINGS

1. SUBMIT DATA AND SHOP DRAWINGS OF MATERIALS AND EQUIPMENT FOR REVIEW PRIOR TO COMMENCEMENT OF MANUFACTURING OR INSTALLING WITH THE EXCEPTION OF CONDUIT, STANDARD CONDUIT FITTINGS AND LOW VOLTAGE WIRING.
2. OBTAIN MANUFACTURER'S INSTALLATION DIRECTIONS TO AID IN PROPERLY EXECUTING THE WORK. SUBMIT TWO COPIES OF SUCH DIRECTIONS TO THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION, FOR USE IN INSPECTING THE WORK.

RECORD DRAWINGS

1. BEFORE COMMENCING WORK, OBTAIN TWO SETS OF ELECTRICAL DRAWINGS FOR SHOWING "AS BUILT" CONDITIONS. AS JOB PROGRESSES, MARK ON FIELD SET OF PRINTS TO INDICATE ACCURATELY ALL INSTALLED WORK. AT COMPLETION STAGE, TRANSFER ALL INFORMATION ONTO MASTER SET OF DRAWINGS AND INDICATE "CONTRACTORS CERTIFIED APPROVAL OF ACCURACY" BEFORE SUBMITTING TO CONSTRUCTION MANAGER FOR REVIEW AND RECORD USE.
2. SHOW ON THE RECORD DRAWINGS AS--BUILT, ALL OUTLETS AND EQUIPMENT SUCH AS RUNS OF CONDUIT, LOCATIONS OF PULL BOXES, LIGHT FIXTURE LOCATIONS, EQUIPMENT, OUTLETS, MOTORS, PANELS, ETC., AS WELL AS ALL SERVICES ENTERING THE BUILDING AND ON THE PROPERTY.
3. DIMENSION UNDERGROUND SERVICES AND CONCEALED MAIN AND SUB--FEEDER CONDUITS AT KEY POINTS OF EVERY RUN IN RELATION TO STRUCTURE AND BUILDING. RECORD ALL ELEVATIONS FOR UNDERGROUND SERVICES IN RELATION TO THE GROUND FLOOR LEVEL OF THE BUILDING. INDICATE ON RECORD DRAWINGS, LOCATION OF ALL BURIED SERVICES. THIS INFORMATION IS TO BE CERTIFIED CORRECT BY CONSTRUCTION MANAGER BEFORE BACKFILLING COMMENCES. 4.INDICATE EXACT LOCATION OF ALL SERVICES LEFT FOR FUTURE WORK.

ARC FLASH STUDY

1. CONDUCT AN ARC FLASH STUDY AND PROVIDE AN ARC FLASH REPORT DETAILING AVAILABLE CALCULATED ARC FLASH ENERGY AT ALL EQUIPMENT LOCATIONS. THE ARC FLASH STUDY SHALL BE PERFORMED AND CERTIFIED BY A PROFESSIONAL ENGINEER. OBTAIN AVAILABLE SHORT CIRCUIT CURRENT VALUES AT THE SERVICE LOCATION FROM THE UTILITY.
2. PROVIDE ARC FLASH LABELS THAT COMPLY WITH PRACTICES BASED ON NFPA 70E 2020 .
3. ARC FLASH STUDY SHALL COMPLY WITH PRACTICES BASED ON NFPA 70E 2020, "STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE ". 4.PROVIDE 2 COPIES OF ARC FLASH STUDY TO OWNER AND 1 COPY TO ENGINEER OF RECORD.

SITE CONDITIONS

1. TEMPERATURE RANGE FOR ALL SUPPLIED EQUIPMENT: -40°C TO +40°C
2. ALTITUDE: <1000 M ASL

QUALITY ASSURANCE

1. WHEREVER POSSIBLE, EQUIPMENT SHALL BE OF A MANUFACTURER'S STANDARD DESIGN.
2. FACTORY--ASSEMBLE CONTROL PANELS AND COMPONENT ASSEMBLIES.

FINISHES

1. ALL SHOP FINISHES FOR STEEL ENCLOSURES SHALL INCLUDE CLEANING, IRON PHOSPHATE WASH, RINSING, RUST RESISTANT PRIMER INSIDE AND OUTSIDE, AND AT LEAST TWO COATS OF FINISH ENAMEL WITH APPROPRIATE BAKING TO CURE EACH PAINT APPLICATION.

a. APPLY ALL FINISHES IN ACCORDANCE WITH THE FINISH--SUPPLIERS INSTRUCTIONS.

b. PROVIDE COPIES OF THE APPLICATION INSTRUCTIONS AND/OR FINISH TEST REPORTS AS INDICATED OR UPON REQUEST.

c. PAINT AND PRIMER APPLICATION SHALL BE POWDER COAT UNLESS OTHERWISE SPECIFIED OR APPROVED IN WRITING BY THE ENGINEER.
2. COLORS:

a. PAINT OUTDOOR/INDOOR ELECTRICAL EQUIPMENT: WHITE (MANUFACTURER'S STANDARD)

3. STAINLESS STEEL ENCLOSURES SHALL NOT BE PAINTED.
4. ON SITE, CLEAN AND TOUCH UP ANY SCRATCHED OR MARRED SURFACES ON SHOP--PAINTED EQUIPMENT SCRATCHED OR MARRED DURING SHIPMENT OR INSTALLATION, TO MATCH ORIGINAL PAINT.
5. CLEAN AND PRIME EXPOSED NON--GALVANIZED AND NON--STAINLESS HANGERS, RACKS AND FASTENINGS TO PREVENT RUSTING.

WARNING SIGNS

1. AS SPECIFIED AND TO MEET REQUIREMENTS OF ELECTRICAL INSPECTION DEPARTMENT AND CONSTRUCTION MANAGER.
2. DECAL SIGNS, MINIMUM SIZED 7" X 10".
3. PROTECT EXPOSED LIVE EQUIPMENT DURING CONSTRUCTION FOR PERSONNEL SAFETY.
4. SHIELD AND MARK LIVE PARTS WITH APPROPRIATE VOLTAGE VALUES IN ENGLISH.

SINGLE LINE ELECTRICAL DIAGRAMS

1. MOUNT A SINGLE LINE ELECTRICAL DIAGRAM INSIDE THE ELECTRICAL DISTRIBUTION CABINET.
2. DRAWINGS: 8.5" X 11" MINIMUM SIZE.
3. SINGLE LINE DIAGRAM SHALL BE PROVIDED BY THE CONTRACT MANAGER.

INSTALLATION -- GENERAL

1. MAINTAIN AT THE JOB SITE, AT ALL TIMES, QUALIFIED PERSONNEL AND SUPPORTING STAFF, WITH PROVEN EXPERIENCE IN ERECTING, SUPERVISING TESTING PROJECTS OF COMPARABLE NATURE AND COMPLEXITY.
2. EXPEDITE THE WORK AS FOLLOWS:

a. CONTINUOUSLY CHECK AND EXPEDITE DELIVERY OF EQUIPMENT AND MATERIALS.

b. IF NECESSARY, INSPECT AT THE SOURCE OF MANUFACTURE.

c. CONTINUOUSLY CHECK AND EXPEDITE THE FLOW OF NECESSARY INFORMATION TO AND FROM ALL PARTIES INVOLVED.

d. INFORM THE CONSTRUCTION MANAGER PROMPTLY AS IS REQUIRED.

WORKMANSHIP

1. INSTALL ALL EQUIPMENT, CONDUIT AND CABLES IN A WORKMANLIKE MANNER TO PRESENT A NEAT APPEARANCE AND TO FUNCTION PROPERLY.
2. INSTALL EXPOSED SYSTEMS AND EQUIPMENT NEATLY AND GROUPED WITHOUT CONFLICT TO OTHER SERVICES.
3. INSTALL EQUIPMENT AND APPARATUS REQUIRING MAINTENANCE, ADJUSTMENT OR EVENTUAL REPLACEMENT WITH DUE ALLOWANCE THEREFORE, IN TERMS OF SPACE AND ACCESSIBILITY.
4. INCLUDE IN THE WORK ALL REQUIREMENTS OF MANUFACTURERS SHOWN ON THE SHOP DRAWINGS OR MANUFACTURERS' INSTALLATION INSTRUCTIONS AND MAKE PROVISION FOR FUTURE EQUIPMENT AS SHOWN
5. REPLACE WITHOUT EXTRA COST WORK UNSATISFACTORY TO THE CONSTRUCTION MANAGER.
6. PROTECT ALL EQUIPMENT FROM DAMAGE DURING DELIVERY TO THE SITE AND DURING INSTALLATION. MAKE GOOD ANY DAMAGE OR DETERIORATION WHATSOEVER AND HAVE IT COVERED BY REPLACEMENT GUARANTEE.

SECURING OF EQUIPMENT

1. SECURE EQUIPMENT AS SHOWN ON THE STRUCTURAL DRAWINGS OR USING EXPANDABLE INSERTS, PROPERLY SIZED FOR THE LOAD TO BE CARRIED.
2. SECURE ALL EQUIPMENT, AS SHOWN ON STRUCTURAL DRAWINGS.

EXCAVATION AND BACKFILL

1. ENSURE THAT ROUTE AND DEPTH OF EXCAVATION FOR UNDERGROUND ELECTRICAL SERVICES ARE AS INDICATED. PROVIDE PROTECTIVE MATERIALS AROUND AND OVER SERVICES AND BE PRESENT AT ALL TIMES DURING EXCAVATION AND BACKFILLING TO SUPERVISE WORK.
2. SUPPLY, PLACE AND MAINTAIN SHEETING, BRACING AND SHORING AS REQUIRED TO SUPPORT SIDES OF EXCAVATIONS TO PREVENT MOVEMENT WHICH CAN REDUCE NECESSARY WIDTHS OF EXCAVATIONS OR OTHERWISE INJURE OR DELAY WORK OR ENDANGER ANY PERSON.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF EXCAVATIONS WHERE REQUIRED TO PREVENT ADVERSE EFFECTS OF RAIN OR ANY OTHER WEATHER CONDITIONS ON EXPOSED EXCAVATIONS.
4. IF DEWATERING IS REQUIRED, CONTACT THE CONTRACT MANAGER.
5. IF HAND DIGGING IS REQUIRED, CONTACT THE CONTRACT MANAGER.
6. THE POSITION OF POLE LINES, CONDUITS, SEWERS, WATERMAINS AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES IS NOT SHOWN ON THE CONTRACT DRAWINGS. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR ANY DAMAGE DONE TO THEM.
7. THE CONTRACTOR IS RESPONSIBLE FOR THE TEMPORARY SUPPORT AND/OR RELOCATION OF EXISTING UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE REQUIREMENTS OF ALL UTILITIES WHEN CROSSING OR WORKING NEAR THEIR SERVICES.

GROUNDING

1. THE CONSTRUCTION OF STATION GROUNDING GRID SHALL COMPLY WITH THE RULES IN THE NATIONAL ELECTRICAL CODE 2017.
2. MINIMUM BENDING RADIUS: CABLE DIAMETER X 6.

WIRING -- GENERAL

1. UNLESS OTHERWISE INDICATED ON THE DRAWINGS ALL POWER AND CONTROL WIRING SHALL BE INSTALLED IN DIRECT--BURIED PVC CONDUIT.
1. ALL CONDUCTORS ARE TO BE CONTINUOUS WITH NO SPLICES FOR EACH APPLICATION.
2. TWIST ON WIRE NUT CONNECTORS ARE ONLY PERMITTED FOR LIGHTING AND RECEPTACLE CIRCUITS.

3. ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE INDICATED.
4. ALL WIRING SHALL BE PERMANENTLY LABELED WITH SOURCE AND DESTINATION.
5. PROVIDE A DEDICATED EQUIPMENT GROUNDING CONDUCTOR WITH GREEN JACKET IN ALL RACEWAYS INCLUDING PVC AND METALLIC CONDUITS. GROUNDING AND BONDING CONDUCTORS ARE TO BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE 2017 -- LATEST EDITION.
6. PROVIDE CAT6A CABLES FROM EACH CHARGER AND POWER BLOCK TO TELECOM CABINET.
7. NO TOP OR SIDE ENTRY SHALL BE ALLOWED FOR CONDUIT OR CABLE CONNECTIONS.

WIRING TERMINATIONS

1. LUGS, TERMINALS, SCREWS USED FOR TERMINATION OF WIRING TO BE SUITABLE FOR EITHER COPPER OR ALUMINUM CONDUCTORS.
2. WHERE STRANDED CONDUCTORS TERMINATE ON A SCREW TERMINAL, THE CONDUCTOR WILL BE TERMINATED WITH A FULL RING TERMINAL.
3. UNDER NO CIRCUMSTANCES SHALL MORE THAN ONE (1) CONDUCTOR OR GROUND BE INSTALLED IN A SCREW TYPE CONNECTOR, LUG OR TERMINAL BLOCK.

CLEANING

1. BEFORE ENERGIZING ANY SYSTEM, INSPECT AND CLEAN ALL THE INSIDE OF ALL ELECTRICAL EQUIPMENT TO ENSURE THAT THEY ARE FREE FROM DUST AND DEBRIS.
2. AT TIME OF FINAL CLEANING, CLEAN LIGHTING REFLECTORS, LENSES, AND OTHER LIGHTING SURFACES THAT HAVE BEEN EXPOSED TO CONSTRUCTION DUST AND DIRT.
3. CLEAN ALL POLISHED, PAINTED AND PLATED WORK BRIGHTLY.
4. REMOVE ALL DEBRIS, SURPLUS MATERIAL AND ALL TOOLS.

FIELD QUALITY CONTROL (TESTING)

1. PRIOR TO THE OWNER'S ACCEPTANCE, ALL ELECTRICAL EQUIPMENT, MATERIALS AND SYSTEMS INSTALLED SHALL BE SUBJECT TO AN INSPECTION AND APPLICABLE PERFORMANCE TESTS SUPERVISED BY THE CONSTRUCTION MANAGER TO ENSURE THAT THE OPERATION OF THE SYSTEM AND COMPONENTS SATISFY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
2. TESTS REQUIRING INITIAL POWER--UP OF A SYSTEM SHALL NOT BE MADE WITHOUT NOTIFICATION OF THE CONSTRUCTION MANAGER.
3. CONDUCT ALL TESTING BY FULLY QUALIFIED PERSONNEL ONLY.
4. TEST ALL EQUIPMENT IN ACCORDANCE WITH NETA ATS--2021, "STANDARD FOR ACCEPTANCE TESTING SPECIFICATIONS FOR ELECTRICAL POWER EQUIPMENT AND SYSTEMS" .
5. CLEAN ALL EQUIPMENT PRIOR TO TESTING.
6. DOCUMENT ALL TESTING. RECORD TEST PROCEDURES, ACCEPTABLE RESULTS, ACTUAL RESULTS, REMEDIAL WORK PERFORMED AND FINAL OUTCOME.
7. REPLACE AT NO ADDITIONAL COST ALL FUSES, RELAYS, OR OTHER DEVICES DESTROYED DURING FIELD QUALITY CONTROL TESTING.

UTILITY CONNECTIONS DETAILS WILL BE FORWARDED UPON RECEIPT.

UNTIL DETAILS ARE PROVIDED, ASSUME THE FOLLOWING WORK:

1. COORDINATE WITH THE UTILITY FOR CONNECTION.
2. OBTAIN LOCATES.
3. RUN CONDUITS TO RISER POLE/PAD MOUNT TRANSFORMER.
4. PROVIDE SLACK CABLE FOR UTILITY TO MAKE FINAL CONNECTIONS.
5. WHERE CONNECTION IS TO OVERHEAD SYSTEM, PROVIDE CONDUIT, WEATHERHEAD AND STEEL GUARDING FOR RISER.
6. WHERE CONNECTION IS TO PADMOUNT TRANSFORMER, PROVIDE NEMA 2--HOLE LUGS FOR ALL CABLES.
7. PROVIDE METER BASE IN ENCLOSURE AND METERING CABINET WHERE APPLICABLE (SERVICE ENTRANCE >200A). ASSUME ENCLOSURE/CABINET PER NEC AND UTILITY STANDARDS. HEALTH & SAFETY

FIELD QUALITY CONTROL (TESTING)

1. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR 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 LOCAL SAFETY REGULATIONS GENERAL CONTRACTOR SHALL COORDINATE WORK AND SCHEDULE WORK ACTIVITIES WITH OTHER DISCIPLINES WHERE APPLICABLE.
2. THE CONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS LANDSCAPING AND STRUCTURES.
3. ANY DAMAGED PART SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
4. CONTRACTOR SHALL BE RESPONSIBLE AT END OF DAY TO SECURE AND CLEAN CONSTRUCTION SITE TO ENSURE BUSINESS CONTINUATION
5. CONTRACTOR TO PROVIDE HEALTH AND SAFETY PLAN.



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| REVISION DESCRIPTION | | | | | |
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| | NO. | DATE | BY | CHKD | DATE |
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| DATE 12/18/2023 | | | | | |
| SHEET TITLE ELECTRICAL SPECIFICATIONS | | | | | |
| SHEET NUMBER E-4 | | | | | |
| PAGE NUMBER | | | | | |



EV DISPENSER CUT SHEETS

305.3 Size.

305.3.1 New buildings and facilities. In new buildings and facilities, the clear floor space shall be 52 inches (1320 mm) minimum in length and 30 inches (760 mm) minimum in width.

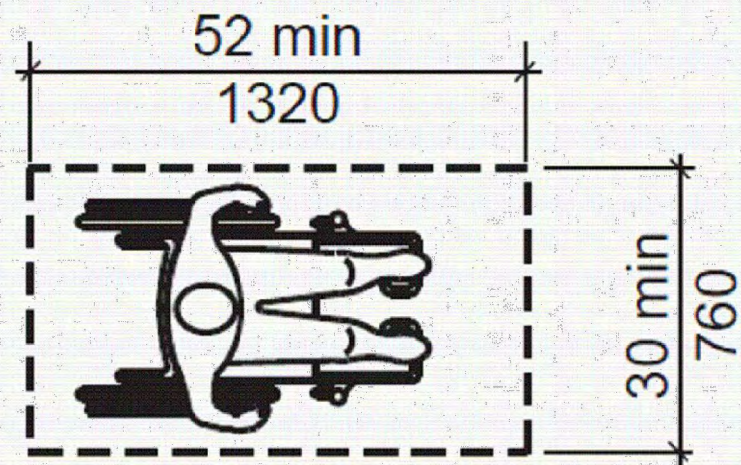


FIGURE 305.3.1
SIZE OF CLEAR FLOOR SPACE - NEW BUILDINGS

308.2.1 Unobstructed. Where a forward reach is unobstructed, the high forward reach shall be 48 inches (1220 mm) maximum and the low forward reach shall be 15 inches (380 mm) minimum above the floor.

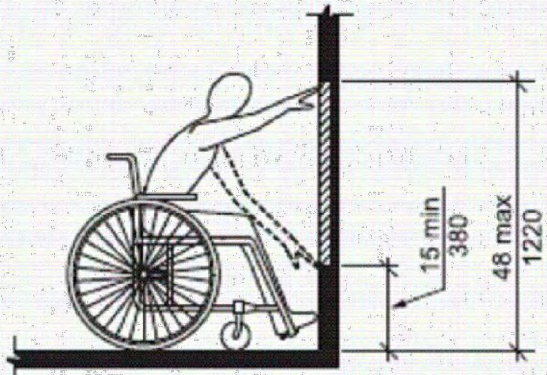


FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH

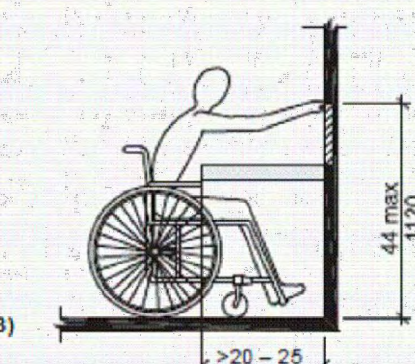
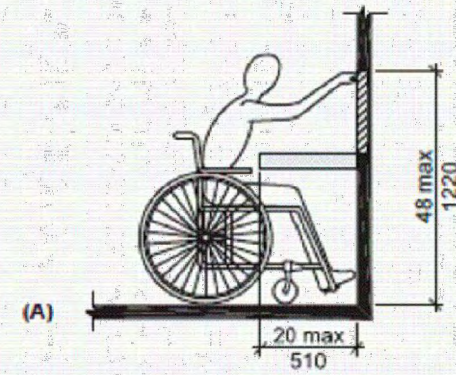


FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH

NB 240

Power scalability
Simultaneous DC charging
Extended full power voltage range
Smart fleet management
Built-in cable management
Additional dispenser option



Standalone NB 240

| REFERENCE | NB150SH NB150SU | NB180SH NB180SU | NB210SH NB210SU | NB240SH NB240SU |
|--|---|--------------------|-----------------------|-----------------------|
| Maximum power (kW) | 150 | 180 | 210 | 240 |
| Voltage range (V) | 150 - 1000 ^[1] | | | |
| Available connectors | CCS-1, CCS-2, CHAdeMO | | | |
| Maximum continuous current (A) | 300 | | | |
| Peak current CCS (A) ^[2] | 500 | | | |
| CCS nominal current (A) | Standard: 200, Optional: 250 (only for IEC) or 300 | | | |
| Maximum current CHAdeMO (A) | 125 | | | |
| Maximum number of EVs charging simultaneously | 2 | | | |
| Power (kW) | 22 | | | |
| Voltage range (V) | 400 ± 10% | | | |
| Maximum current (A) | 52 | | | |
| Available connectors | AC Type 2 Socket | | | |
| Voltage range (V) | 150 - 1000 ^[1] | | | |
| Available connectors | CCS-1, CCS-2, CHAdeMO | | | |
| CCS connector nominal current (A) | Standard: 200, Optional: 250, 300, 500 (cooled) | | | |
| Peak current CCS (A) ^[2] | 500 | | | |
| Maximum current CHAdeMO (A) | 125 | | | |
| Number of additional EVs charging simultaneously | 1 | 1 | 2 (slim) / 1 (cooled) | 2 (slim) / 1 (cooled) |
| Power (kW) | 158 | 189 | 221 | 253 |
| Voltage (V) | 400 IEC / 480 UL (Sph + N + PE) ± 10% | | | |
| Power factor | > 0.99 | | | |
| Frequency (Hz) | 50 (IEC) / 60 (IEC & UL) | | | |
| Efficiency | 95% | | | |
| Interface | 10" Touchscreen E-stop pushbutton Payment terminal (optional) | | | |
| RFD reader | ISO14443 A/B, MIFARE, Cayenne, ISO15692, ISO15693 and more | | | |
| Protections | Insulation monitor Overcurrent / shortcircuit (Circuit Breakers) Overvoltage (Type 2) (optional) RCD Type A (optional) AC charge (optional): Circuit Breaker + RCD Type A + RCM Smart Fleet Management (optional) Internal DC energy measurement DC meter for DC output (optional) | | | |
| Others | Energy measurement AC MID meter for AC output AC MID meter for DC output (optional) | | | |
| GENERAL | Cable length (m/ft) 5 / 16.4 with cable management system. Optionally: 75 / 25 Enclosure / foot / glass color White (RAL 9006) / Grey (RAL 7016) / Black Customization ^[3] Enclosure / foot / glass / logo / display Protection rating NEMA 3R / IP54 / IK08 (IK08 for ventilation grilles) Operating temperature range (°C/°F) -30 to 50 / -22 to 122 Relative humidity From 4% to 95% Maximum altitude above sea (m/ft) Without derating: 2000 / 6561. Max: 3000 / 9842 Communications Ethernet (10/100) + Wi-Fi Cellular data: 4G, 3G, GSM Charge protocols ISO 15118, CHAdeMO 1.1, IEC 61851 and DIN 70121 Communication protocols OCPP 1.6J, Modbus TCP and API Rest Dimensions (WxDxH) (mm/ft) 670 x 950 x 2000 / 2.19 x 3.12 x 6.56 Regulation IEC 61851-1, IEC 61851-23, IEC 61851-24, IEC 61851-21-2 UL 2202, NEC 625, FCC Part 15 Class A | | | |

NOTES

[1] 150 - 500 Vdc for CHAdeMO. Maximum power from 300 Vdc.
[2] Consult with Power Electronics for more information about the connector overload capability.
[3] Consult with Power Electronics for further information.



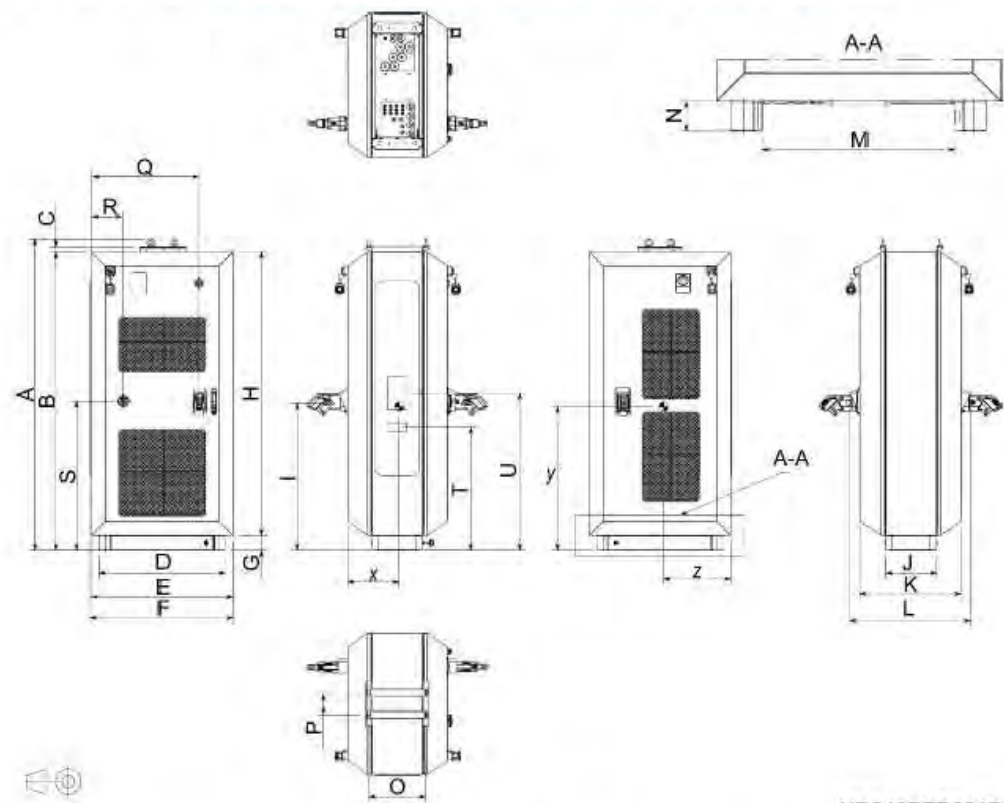
DC Charger

NB 240 Installation Manual

3. DIMENSIONS AND WEIGHT

3

The dimensions, gravity center and the weight of the NB 240 series are detailed in this section.



EN

| GENERAL DIMENSIONS | | | | | | | | | | |
|--------------------|-------|-------|------|-------|-------|-------|------|-------|-------|-------|
| | A | B | C | D | E | F | G | H | I | J |
| mm | 2088 | 2000 | 33.5 | 850 | 950 | 956 | 100 | 1900 | 988 | 340 |
| in. | 82.20 | 78.74 | 1.32 | 33.46 | 37.40 | 37.64 | 3.94 | 74.80 | 38.89 | 13.38 |

| GENERAL DIMENSIONS | | | | | | | |
|--------------------|-------|-------|------|-------|------|-------|-------|
| GRAVITY CENTER | | | | | | | |
| | L | M | N | O | P | Y | Z |
| mm | 798 | 640 | 100 | 383 | 150 | 345 | 983 |
| in. | 31.42 | 25.19 | 3.94 | 15.08 | 5.90 | 13.62 | 37.92 |

| ACCESSIBLE ELEMENTS | | | | | | | |
|---------------------|-------|------|-------|-------|-------|--|--|
| | Q | R | S | T | U | | |
| mm | 729.2 | 221 | 1000 | 825 | 1019 | | |
| in. | 28.71 | 8.70 | 39.37 | 32.48 | 40.12 | | |

EV DISPENSER BASE CUT SHEETS

1419

CARSON® Spec Grade

COVER

Style: Flush
Material: HDPE
Model: 14" x 19"
Weight: 3 lbs
Std. Fasteners: 3/8" Hex Bolt
Options: Logos and Special Markings
Surface: Skid Resistant & Marked*
Performance: Pedestrian, ASTM C857, WUC 3.6

Cover comes standard with permanent markings for manufacturer and model size.

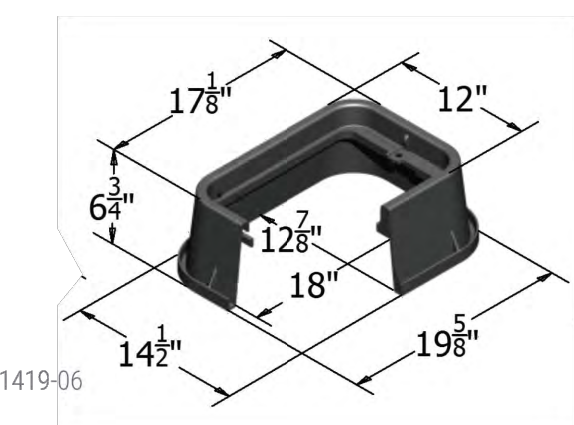
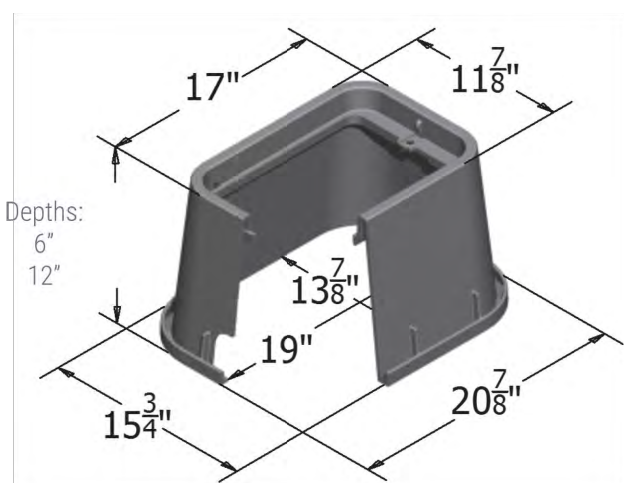
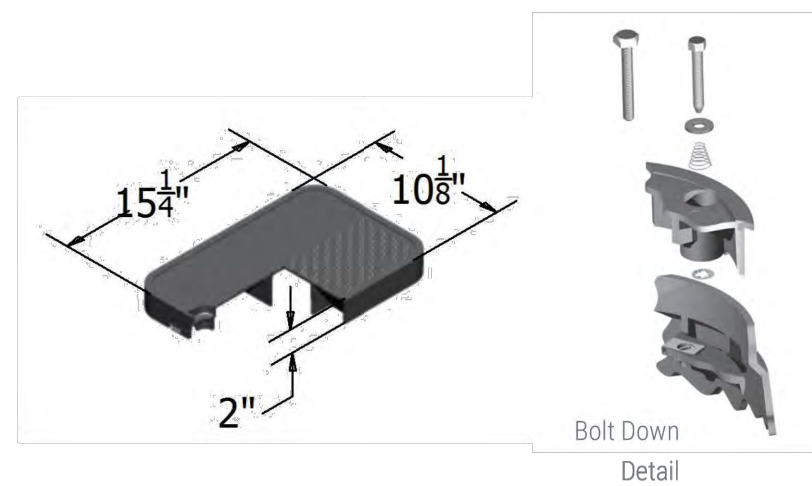
BODY

Material: HDPE
Model: 14" x 19"
Weight: 6" Depth: 5 lbs
12" Depth: 7 lbs
Wall Type: Flared
Mouseholes: 2
Performance: Pedestrian, ASTM C857, WUC 3.6

LOAD RATING / NOTES

! LIGHT DUTY
PEDESTRIAN / GREENBELT

For use in non-vehicular traffic situations only.
Weights and dimensions may vary slightly.
Actual load rating is determined by the box and cover combination.



1419

CARSON® Spec Grade

COVER OPTIONS

HDPE, T-Cover Solid
HDPE, T-Cover with Plastic Reader Door
HDPE, T-Cover with Cast Iron Reader Door
HDPE, T-Cover Hinged
HDPE, Flush Solid
HDPE, Flush with Plastic Reader Door
HDPE, Flush with Cast Iron Reader Door
HDPE, Flush Hinged

COLOR OPTIONS

Cover: Black, Green, Gray, Tan, Purple
Body: Black, Green, Gray, Tan, Purple
Extension: Black, Green, Gray, Tan, Purple

FASTENER OPTIONS

Hex Head Bolt (A)
Penta Head Bolt (B)
Penta Head Coil Thread Bolt (B)
Oldcastle Vandal Resistant Bolt (C)
Captive Bolt Retainer
Drop-N-Lock™

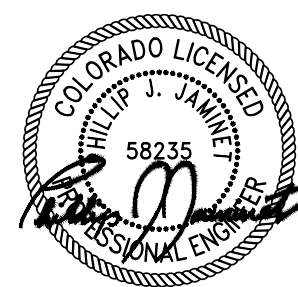
ADD ON OPTIONS

AMR Friendly Solutions
Touch Read Hole
EMS Marker
Racking Provision

! WARNING: Cancer - www.P65Warnings.ca.gov

All information contained on this sheet is current at the time of publication.
Oldcastle reserves the right to discontinue or update product information without notice.

Revision 04/05/21
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CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

REVISION DESCRIPTION

DATE

NO.

DATE

SHEET TITLE

EV DISPENSER
STATION
CUT SHEETS












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POWER AND SIGNAL DEVICE LEGEND

ABBREVIATIONS

| SYMBOL | DESCRIPTION |
|--|--|
|  | UON, 20A, 125V, 2P, 3W, GROUNDED WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTACLES, NEMA 5–20R. (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID. "WP" – INDICATES WEATHERPROOF (TYP FOR WIRING DEVICES) "C" – INDICATES COUNTER HEIGHT (TYP FOR WIRING DEVICES) |
|  | SHADING FOR DUPLEX OR DOUBLE DUPLEX PER ABOVE INDICATES DEDICATED CIRCUIT |
|  | UON, 20A, 125V, 2P, 3W, GROUNDED WALL MOUNTED DUPLEX AND DOUBLE DUPLEX RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER, NEMA 5–20R. WEATHER PROOF (COLOR PER ARCHITECT). ALL OUTLETS SHALL BE LABELED WITH ITS SOURCE PANEL AND BREAKER # ID. |
|  | ELECTRICAL JUNCTION BOX FOR HARDWIRED EQUIPMENT. (2) INDICATES DOUBLE–GANG BOX. (F) INDICATES FLOOR RECESSED. (CE) INDICATES CEILING RECESSED. (AFC) INDICATES ABOVE FINISHED CEILING, SURFACE MTD. |
|  | SURFACE MOUNTED PANELBOARD – SOLID INDICATES NEW, UNSHADED/DASHED INDICATES EXISTING |
|  | DRY TYPE TRANSFORMER – SIZE AS INDICATED ON THE DRAWINGS |
|  | ELECTRICAL METER OR SUB–METER AS IDENTIFIED ON THE DRAWINGS |
| 1 CKT  PNL-# | ONE, TWO, OR THREE HOME RUNS TO ELECTRICAL PANEL |
| 2 CKT  PNL-#,(#) | "PNL" – INDICATED PANEL NAME |
| 3 CKT  PNL-#,(#),(#) | "#" – INDICATES CIRCUIT NUMBER, U.O.N. |
|  | GROUND BAR |

| | | | | | |
|--------|--------------------------------------|--------|-----------------------------------|---------|-----------------------------|
| A, AMP | AMPERE | EMT | ELECTRICAL METAL TUBING | N | NEUTRAL |
| ADA | AMERICANS WITH DISABILITIES ACT | FACP | FIRE ALARM CONTROL PANEL | NC | NORMALLY CLOSED |
| AF | AMPERE FRAME | FBO | FURNISH BY OTHER DIVISION OF WORK | NO | NUMBER |
| AFF | ABOVE FINISH FLOOR | FCO | FUSE CUTOUT BOX | NTS | NOT TO SCALE |
| AHJ | AUTHORITY HAVING JURISDICTION | FCS | FIRE COMMAND STATION | OL | OVERLOAD DEVICE |
| AIC | AMPS INTERRUPTING CAPACITY | FSD | FIRE SMOKE DAMPER | P | POLE |
| AT | AMPERE TRIP | FU | FUSE | PNL | PANEL |
| ATS | AUTOMATIC TRANSFER SWITCH | FL | FLOOR | Ø | PHASE |
| AWG | AMERICAN WIRE GAUGE | FLEX | FLEXIBLE | RA | RETURN AIR |
| BLDG | BUILDING | FT | FEET OR FOOT | RG, RAG | RETURN AIR GRILLE |
| BMS | BUILDING MANAGEMENT SYSTEM | GA | GAUGE | SN | SOLID NEUTRAL |
| C | CONDUIT | G, GRD | GROUND | SPCP | STAIR PRESSURIZATION SYSTEM |
| CAT | CATALOG | GC | GENERAL CONTRACTOR | | CONTROL PANEL |
| CB | CIRCUIT BREAKER | GFI | GROUND FAULT INTERRUPTER | STP | STAIR PRESSURIZATION |
| CD | CANDELA | HID | HIGH INTENSITY DISCHARGE | SW | SWITCH |
| CFSD | COMBINATION FIRE/SMOKE DAMPER | HP | HORSEPOWER | SWBD | SWITCHBOARD |
| CKT | CIRCUIT | HVAC | HEATING, VENTILATING & | TEL | TELEPHONE |
| CLG | CEILING | | AIR CONDITIONING | TYP | TYPICAL |
| CO | CONDUIT ONLY | HZ | HERTZ | UON | UNLESS OTHERWISE NOTED |
| CU | COPPER | IC | INTERRUPTING CAPACITY | UL | UNDERWRITERS LABORATORIES |
| DACS | DIGITAL ALARM COMMUNICATION SYSTEM | JB | JUNCTION BOX | UV | ULTRAVIOLET |
| DACT | DIGITAL ALARM COMMUNICATION TERMINAL | LEMCS | LOCAL EMERGENCY CONTROL SYSTEM | VESDA | VERY EARLY SMOKE DETECTION |
| DGP | DATA GATHERING PANEL | LTG | LIGHTING | | APPARATUS |
| DIFF | DIFFERENTIAL | MCB | MAIN CIRCUIT BREAKER | V | VOLTAGE |
| DISC | DISCONNECT | MECH | MECHANICAL | VDC | DIRECT CURRENT VOLTAGE |
| DN | DOWN | MER | MECHANICAL EQUIPMENT ROOM | VFD | VARIABLE FREQUENCY DRIVE |
| DWG | DRAWING | MIN | MINIMUM | WP | WEATHER PROOF |
| ELEC | ELECTRICAL | MLO | MAIN LUGS ONLY | | |
| EMR | ELEVATOR MACHINE ROOM | MTD | MOUNTED | | |



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298 S POTOMAC ST
AURORA, CO 80012

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12/18/2023

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ELECTRICAL GENERAL NOTES

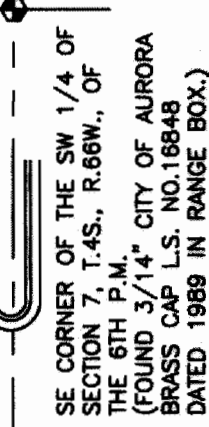
NUMBER

E-7

NUMBER

1. THE CONTRACTOR IS TO VERIFY FIELD CONDITIONS AND NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
2. THE CONTRACTOR IS TO FURNISH AND INSTALL PLANT MATERIALS AS NOTED. ALL PLANT MATERIAL MUST EQUAL OR EXCEED THE COMMERCE STANDARDS CURRENTLY RECOMMENDED BY THE COLORADO NURSERY ACT, AND IS SUBJECT TO APPROVAL OF THE LANDSCAPE ARCHITECT.
3. PRIOR TO ANY PLANTING OPERATIONS, THE AREA TO BE PLANTED IS TO BE PREPARED WITH 5 YARDS/1,000 SQUARE FEET OF ORGANIC MATERIAL, ROTOTILLED TO A MINIMUM OF 6" DEEP.
4. EXCAVATE PLANTING PIT TWICE AS WIDE AS ROOT BALL. PREPARE PLANT BACKFILL TO BE 1/3 ORGANIC MATERIAL AND 2/3 CLEAN TOPSOIL. STAKE ALL EVERGREEN TREES AND ALL INDIVIDUAL DECIDUOUS TREES WITH 1" GALVANIZED GUY WIRES AND CANVAS STRAPS WITH GROMMETS. STAKE ALL DECIDUOUS TREES UNDER 3" CALIPER WITH 1-BAR METAL STAKES. STAKE ALL DECIDUOUS TREES OVER 3" CALIPER SHOULD COME INTO CONTACT WITH THE TRUNK FOR EITHER GUYING METHOD. TREE WRAP ALL DECIDUOUS TREES TO SECOND BRANCH.
5. ALL TREES AND SHRUBS ARE TO BE PLANTED AFTER ROOT BALLING AND PRIOR TO PLACING OF GROUND COVER MATERIAL.
6. SOD SHALL BE BLUEGRASS BLEND APPROVED BY OWNER AND SHALL BE LAID ON A FIRM BED WITH TIGHT JOINTS AND NO VOIDS BETWEEN STRIPS. SOD IS TO BE FERTILIZED WITH 10-10-10 DAPN DIAMMONIUM PHOSPHATE (10-10-46-0) AT RATE OF SIX (6) POUNDS PER 1,000 SQ. FT.
7. CONTRACTOR TO MAINTAIN ALL PLANTINGS INSTALLED UNDER THIS CONTRACT UNTIL FINAL ACCEPTANCE AND TURNOVER TO OWNER.
8. PLANTS SHALL BE GUARANTEED FOR ONE GROWING SEASON. SPRING PLANTINGS WILL BE GUARANTEED THROUGH OCTOBER OF THE FOLLOWING YEAR. SUMMER PLANTINGS AFTER THE MONTH OF AUGUST WILL BE GUARANTEED THROUGH MAY OF THE FOLLOWING SPRING. ANY PLANT MATERIAL THAT IS IN THE CONDITION OF CONVEYANCE TO THE OWNER WILL BE GUARANTEED AT THE REQUEST OF THE LANDSCAPE ARCHITECT AND APPROVAL OF THE LANDSCAPE ARCHITECT ALL DEFECTS OR DAMAGES TO PLANTS ARE 100% INCLUDING MATERIAL AND LABOR BASED UPON A ONE-TIME REPLACEMENT.
9. ALL BEDS TO HAVE 4"-6" COBBLE MULCH. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL.
10. PLANTING BED EDGER TO BE RYERSON STEEL EDGER, 1/8" X 4" X 10", OR EQUAL AS APPROVED BY THE LANDSCAPE ARCHITECT.
11. CONTRACTOR TO REPAIR OR REPLACE ANY SOD, MULCH OR SITE IMPROVEMENTS DISTURBED OR DAMAGED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
12. CONTRACTOR TO PROVIDE FOR PROTECTION OF ALL UTILITIES, PRIVATE OR PUBLIC PROPERTY, AND PUBLIC SAFETY FOR THE DURATION OF THE CONTRACT AND SHALL REPAIR OR REPLACE ANY DAMAGES TO SAME WITHOUT ADDITIONAL COST TO THE OWNER.
13. CONTRACTOR SHALL SECURE AND PAY ALL APPLICABLE TAXES, PERMITS AND FEES IN CONNECTION WITH THE WORK UNDER THE CONTRACT.
14. CONTRACTOR SHALL KEEP THE PREMISES CLEAN AND ORDERLY AND SHALL DISPOSE OF ALL WASTE AND DEBRIS AT AN APPROVED LOCATION OFF-SITE PRIOR TO FINAL ACCEPTANCE.
15. PLACE GEOTEXTILE FABRIC (NAPLAN #140-S OR EQUAL) UNDER ALL ROCK AND PLANTING BEDS.
16. LANDSCAPE INSTALLATION TO BE COMPLETE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
17. ALL HEADS TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO BUILDINGS AND WALKWAYS.
18. BACKFLOW PREVENTION DEVICE SHALL BE IN ACCORDANCE WITH CITY SPECIFICATIONS.
19. THE DEVELOPER, HIS SUCCESSORS AND ASSIGNS, SHALL BE RESPONSIBLE FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED LANDSCAPE PLAN OR ANY SUBSEQUENT PLANNING. THE LANDSCAPE MATERIALS WILL BE INSTALLED AND DELINEATED ON THE PLAN, PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY.
20. ALL UTILITY EASEMENTS SHALL REMAIN UNDISTURBED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR ALL FUTURE CONSTRUCTION.

LOT 1,BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1, COUNTY OF ARAPAHOE, STATE OF COLORADO



| PLANT SCHEDULE | | | | | |
|----------------|---|-----------------------------|-------|---------------|---------|
| ABB | BOTANICAL NAME | COMMON NAME | QUAN. | SIZE | REMARKS |
| MSL | GLEDITSIA TRIACANTHOS INERMIS "SHADEMASTER" | SHADEMASTER HONEY LOCUST | 5 | 2-1/2"- 3" | B&B |
| SHL | FRAXINUS PENNSYLVANICA MARSHALL'S "SEEDLESS" | MARSHALL'S SEEDLESS ASH | 4 | 2-1/2"- 3" | B&B |
| CRC | PRUNUS VIRGINIANA MELANOCARPA "SHUBERT" | CANADA RED CHERRY | 2 | 2" | B&B |
| AP | PINUS INGRA | AUSTRIAN PINE | 2 | 6'-8' | B&B |
| TJ | JUNIPERUS SABINA TAMARISCIFOLIA | TAM JUNIPER | 19 | 5 GAL. | CONT. |
| GS | SPIREAE BULMALDA "GOLDFLAME" | GOLD FLAME SPIREAE | 14 | 5 GAL. | CONT. |
| PT | POTENTILLA FRUITICOSA "JACKMAN" | JACKMANS POTENTILLA | 21 | 5 GAL. | CONT. |
| BMS | CARYOPTERIS INCANA | BLUE MIST SPIREAE | 20 | 5 GAL. | CONT. |
| CPB | BERBERIS THUNBERGI ATROPURPUREA NANA | CRIMSON PYGMY BARBERY | 36 | 5 GAL. | CONT. |
| BJ | JUNIPERUS SABINA "BUFFALO" | BUFFALO JUNIPER | 35 | 5 GAL. | CONT. |
| SL | POTLYGONUM AUBERTI | SILVER LACE | 49 | 1 GAL. | CONT. |
| DBS | SEDUM "DRAGON'S BLOOD" | DRAGON'S BLOOD SEDUM | 44 | 1 QT. | CONT. |

- SOD
- 4" - 6" WASHED COBBLE ROCK
- SHRUB
- EVERGREEN TREE
- DECIDUOUS TREE
- EXISTING EVERGREEN TREE TO BE RELOCATED (TBR)

PRUNE AS DIRECTED BY
LANDSCAPE ARCHITECT

SET SHRUB PLUMB

4" - 6" WASHED COBBLE
ROCK MULCH

3' MIN.
MOUND
BACKFILL

2/3 PIT EXCAVATED SOIL

REMOVE CONTAMINANT SPLIT
ROOTS AND BALL 1/3 COMPOST,
SPREAD AND PLANT

SHRUB PLANTING DETAIL

N.T.S.

EVERGREEN TREE

4"-6" WASHED COBBLE
ROCK MULCH

5 EQUALLY SPACED
2" STAKES
DRIVEN FLUSH

REMOVE BURPLAP
FROM TOP 1/3
OF BALL

WRAP TRUNK FROM GROUND
LEVEL TO SECOND BRANCH WITH
APPROVED TREE WRAP

6"-0" STEEL STAKES-3
EQUALLY SPACED

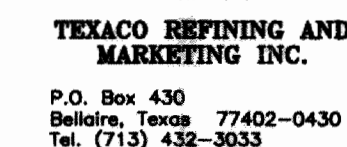
12 WIRE, DOUBLE & TWIST, RUN
THROUGH GROMMETS ATTACHED TO 3
WIDE NYLON WEBBING


PREPARED BACKFILL--SEE SPECS,
TAMP SOIL UNDER BALL BEFORE
PLACING

DECIDUOUS TREE

PRUNE AS DIRECTED BY
LANDSCAPE ARCHITECT

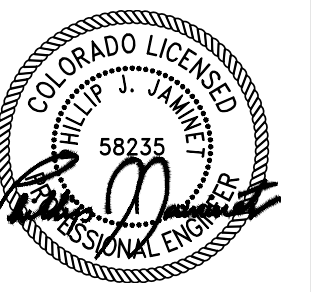
BALL DIA. X 2

[illegible]

 **Galloway, Romero & Associates**
Design Engineering Planning
5350 DTC Parkway
Englewood, Colorado 80111
Tel. (303) 770-8884
Fax. (303) 770-3636
Contact: Chris Lindstrom

| | | | |
|--------------------------|----------------------|---------|--------|
| 298 SOUTH POTOMAC STREET | | AURORA, | |
| Designed By: CAL | Date: NOVEMBER, 1996 | Sht. | 1 OF 1 |
| Drawn By: KDD | Scale: 1" = 20' | | |
| Checked By: CAL | Disk File: TE29SITE | | |

78-6043-6



CIRCLE K 2709864 - AURORA
298 S POTOMAC ST
AURORA, CO 80012

| NO. | REVISION DESCRIPTION |
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DATE 12/18/2023

SHEET TITLE

LANDSCAPE PLAN

LANDSCAPE PLAN

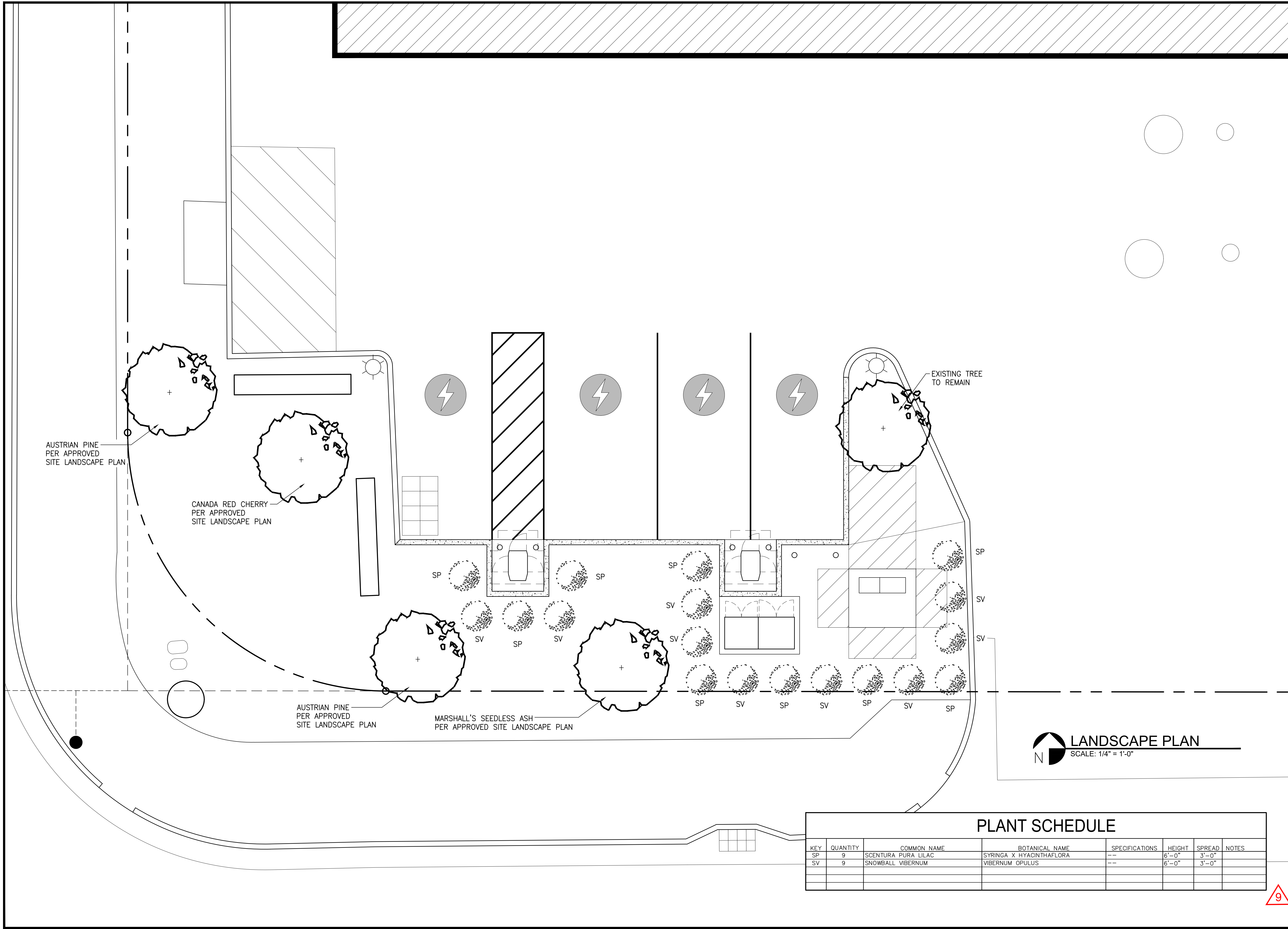
LANDSCAPE PLAN

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9



LANDSCAPE PLAN
SCALE: 1/4" = 1'-0"

PLANT SCHEDULE

| KEY | QUANTITY | COMMON NAME | BOTANICAL NAME | SPECIFICATIONS | HEIGHT | SPREAD | NOTES |
|-----|----------|---------------------|--------------------------|----------------|--------|--------|-------|
| SP | 9 | SCENTURA PURA LILAC | SYRINGA X HYACINTHAFLORA | -- | 6'-0" | 3'-0" | |
| SV | 9 | SNOWBALL VIBERNUM | VIBERNUM OPULUS | -- | 6'-0" | 3'-0" | |
| | | | | | | | |
| | | | | | | | |