

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

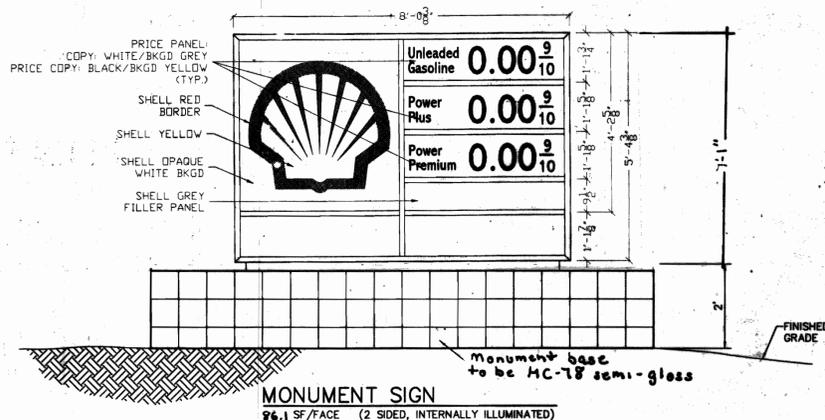
LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1
COUNTY OF ARAPAHOE, STATE OF COLORADO

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 3	
NUMBER OF STORES	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	



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 column 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

PARKING CALCULATIONS
 2010 SF TOTAL
 RETAIL SPACE = 1 SPACE / 200SF = 6 REQUIRED RATIO = 1
 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

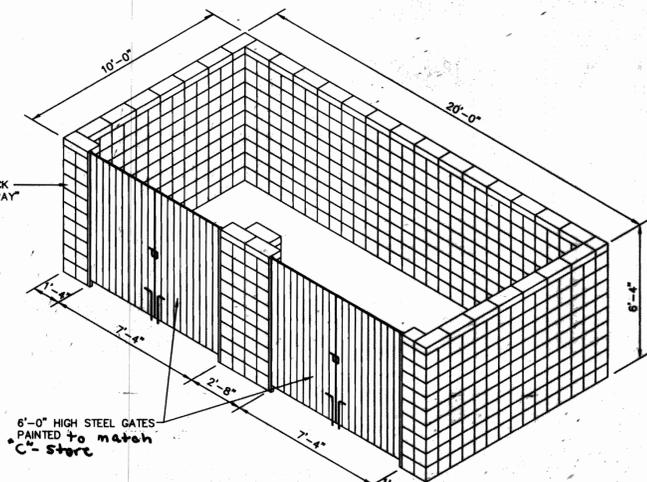
SIGN TABLE

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, 159, 1.3	3	6.7
2nd TENANT	32.0 SF	1	32.0 SF
TOTALS		9	104.7

JOINT TENANT SIGN TABLE

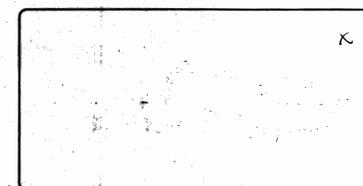
TYPE	AREA	NUMBER	AREA
MONUMENT SIGN	96.1	2	172.3 SF
TOTALS		2	172.3 SF

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

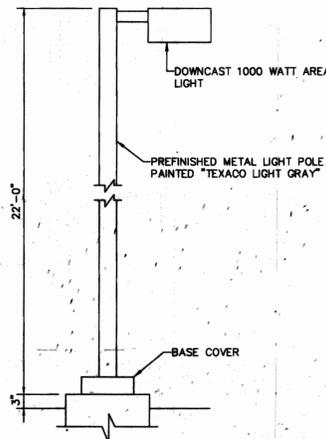


TRASH ENCLOSURE

SEE LANDSCAPE PLAN FOR SCREENING



2nd TENANT WALL SIGN
 32.0 SF MAXIMUM



SITE LIGHT DETAIL
 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. Math* - Manager Special Projects
 (PRINCIPAL OR OWNERS) PDA

CORPORATE SEAL

NOTARIAL:

STATE OF COLORADO }
 COUNTY OF Denver } SS

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



WITNESS MY HAND AND OFFICIAL SEAL

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

CITY OF AURORA APPROVALS:

CITY ATTORNEY: *D.C. Math* DATE: 5-18-98
 PLANNING DIRECTOR: *Debra M. Baker* DATE: 5-19-98
 PLANNING COMMISSION: *Beth Ann Carpenter* DATE: 1-14-98
 CHAIRMAN
 CITY COUNCIL: MAYOR *NA* DATE: _____
 ATTEST: *NA* DATE: _____
 CITY CLERK

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



TEXACO REFINING AND MARKETING INC.



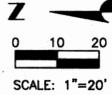
Galloway, Romero & Associates
 Design Engineering Planning
 5350 DTC Parkway
 Englewood, Colorado 80111
 Tel. (303) 770-8884
 Fax. (303) 770-3638

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: TE29TIL2

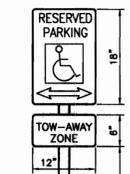
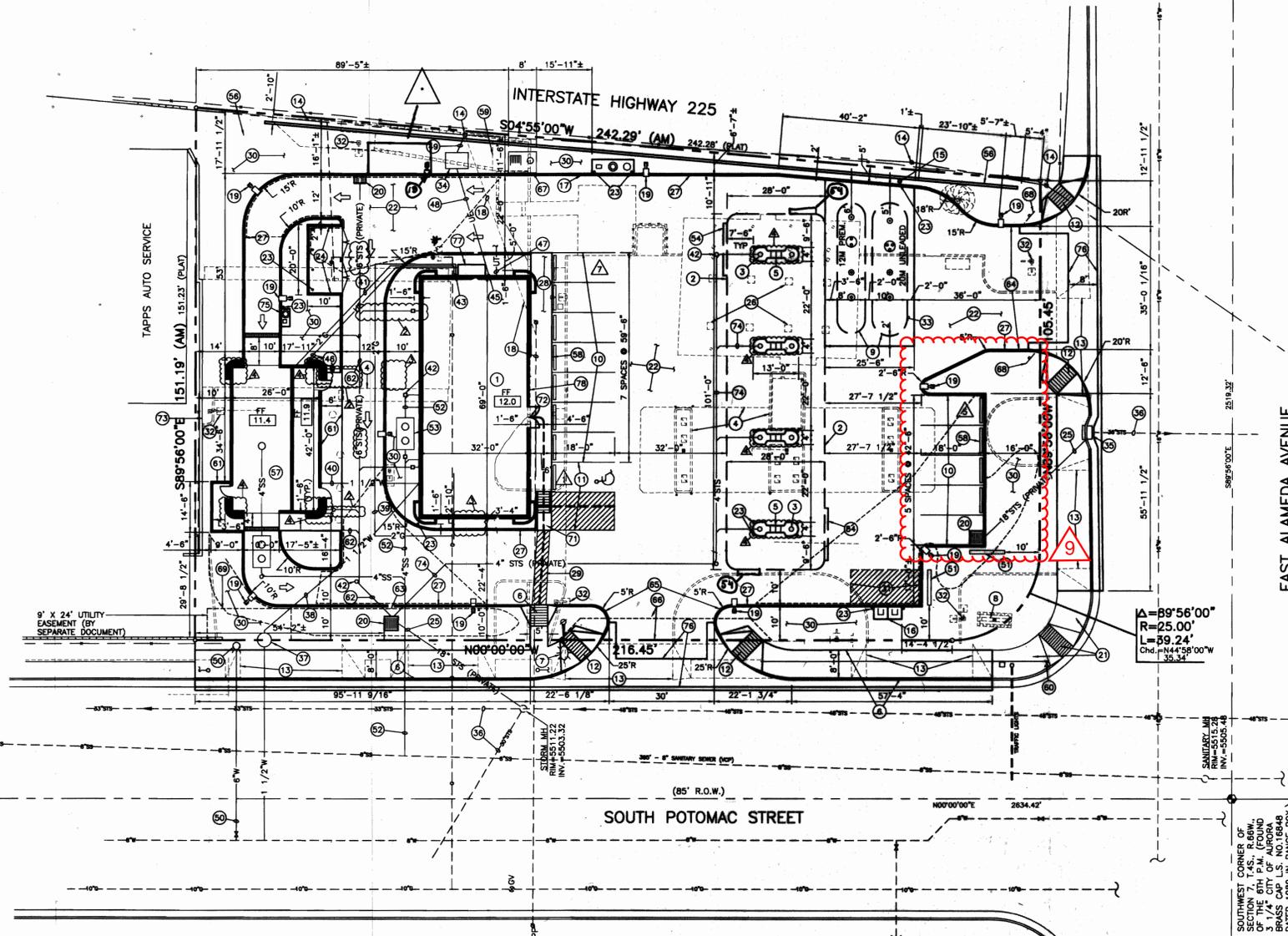
AURORA HILLS STARS MART SITE PLAN AND USE APPROVAL

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



UTILITY LEGEND

- 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



NE CORNER OF THE SW 1/4 OF THE 6TH P.M. (FOUND 3 1/4" BRASS CAP U.S. NO. 12021 IN RANGE BOX)

SE CORNER OF THE SW 1/4 OF THE 6TH P.M. (FOUND 3 1/4" BRASS CAP U.S. NO. 106848 DATED 1989 IN RANGE BOX)

SOUTHWEST CORNER OF THE SW 1/4 OF THE 6TH P.M. (FOUND 3 1/4" BRASS CAP U.S. NO. 106848 DATED 1989 IN RANGE BOX)

SCHEDULE

- 1 30'-0" x 67'-0" TEXACO STORE
- 2 101'-0" x 28'-0" CANOPY
- 3 16" DIA. CANOPY COLUMNS (TYP. 8)
- 4 REMOVE EXISTING BUILDING, CAR WASH, CANOPY, DISPENSERS, AND INTERIOR DRIVES
- 5 MULTIPLE-PRODUCT BLENDING DISPENSER ON 4' WIDE DOGBOONE ISLAND (TYP. 4)
- 6 NEW 8" ATTACHED SIDEWALK WITH 6" CURB AND GUTTER ON S. POTOMAC ST.
- 7 NEW STREET LIGHT FOR POTOMAC STREET. COORDINATE INSTALLATION WITH THE CITY OF AURORA TRAFFIC
- 8 EXISTING FREESTANDING MONUMENT SIGN TO BE REMOVED
- 9 1-20,000 GALLON & 1-12,000 GALLON FIBERGLASS UNDERGROUND STORAGE TANKS UNDER 8" CONCRETE SLAB
- 10 8'-6" x 18' PARKING SPACE (TYP. 12)
- 11 1- 8'-6" x 18' VAN ACCESSIBLE HANDICAP PARKING SPACE WITH 11' x 18' ACCESS ISLE AND SIGNAGE
- 12 HANDICAP RAMP PER CITY STANDARDS (TYP. 6)
- 13 EXISTING CURB CUT TO BE CLOSED (TYP. 5)
- 14 EXISTING OVERHEAD POWER LINE AND POWER POLES ALONG 1-225 R.O.W. TO REMAIN
- 15 TANK VENT RISERS MTD. 12'-0" A.F.G.
- 16 TWO PUBLIC PHONES ON 4" THICK, 4' x 8' CONCRETE PAD
- 17 AIR/VACUUM/TRASH STAND ON 4" THICK CONCRETE PAD
- 18 REMOVE EXISTING POWER POLE & OVERHEAD ELECTRIC LINES ON SITE. COORDINATE WORK W/PSCO.
- 19 NEW 1000W AREA LIGHT ON 22' POLE (TYP. 42)
- 20 PROPOSED PRIVATE STORM SEWER INLET (TYP. 3)
- 21 EXISTING 8' ATTACHED SIDEWALK AND HANDICAP RAMP TO REMAIN
- 22 6" REINFORCED CONCRETE DRIVE - TYPICAL ALL INTERIOR
- 23 PIPE BOLLARDS (TYP. 27)
- 24 NEW 10'-0" x 20'-0" x 6'-4" HIGH TRASH ENCLOSURE TO MATCH NEW CONVENIENCE STORE EXTERIOR
- 25 PROPOSED 18" STORM SEWER LINE (PRIVATE) TO TIE-IN TO EXISTING DRAINAGE STRUCTURES
- 26 EXISTING UNDERGROUND STORAGE TANKS TO BE REMOVED (TYP. 4)
- 27 NEW 6" MONOLITHIC CURB
- 28 NEW CONCRETE SIDEWALK @ BUILDING
- 29 ACCESSIBLE ROUTE ON PAVEMENT MUST BE MIN. 36" WIDE AND PAINTED WITH WHITE STRIPES; HEAVY DASHED LINE IDENTIFIES CONTINUOUS ROUTE FROM PUBLIC WAY AND ACCESSIBLE PARKING TO BUILDING ENTRY
- 30 LANDSCAPE AREA
- 31 10' x 20' LOADING SPACE, MIN. 200 S.F.
- 32 EXISTING SITE LIGHTS TO BE REMOVED (TYP. 5)
- 33 8" CONCRETE TANK SLAB
- 34 PROPOSED PAD MOUNTED TRANSFORMER. COORDINATE WORK W/PSCO.
- 35 EXISTING STORM SEWER INLET AND MANHOLE TO REMAIN
- 36 EXISTING STORM SEWER MAIN (SIZE VARIES)
- 37 NEW 1 1/2" WATER METER & PIT TO REPLACE EXISTING 3/4" SERVICE
- 38 NEW 1-1/2" WATER SERVICE LINE TO NEW "C"-STORE
- 39 RUN NEW 2" GAS LINE FROM EXISTING GAS LINE TO NEW METER AT "C"-STORE. CONTRACTOR TO VERIFY LOCATION OF LINE PRIOR TO CONSTRUCTION
- 40 NEW 1-1/2" K-CU WATER SERVICE LINE FROM "C"-STORE TO CAR WASH
- 41 NEW 2" GAS LINE FROM NEW METER TO CAR WASH
- 42 4" CLEANOUT W/BRASS CAPS. INSTALL CAP IN 12"x12"x16" CONCRETE PAD WHEN CLEANOUT IS NOT LOCATED IN CONCRETE PAVEMENT (TYP. ALL)
- 43 NEW GAS METER MOUNTED ON "C"-STORE
- 44 NOT USED
- 45 NEW ELECTRICAL METER, CT CAN AND DISCONNECTS MOUNTED ON "C"-STORE
- 46 NEW UNDERGROUND ELECTRICAL SERVICE FROM DISCONNECT AT "C"-STORE TO CAR WASH
- 47 NEW 2" UNDERGROUND CONDUIT FOR TELEPHONE SERVICE. VERIFY POINT OF SERVICE WITH TELEPHONE COMPANY
- 48 NEW UNDERGROUND ELECTRICAL SERVICE TO "C"-STORE FROM PROPOSED PAD MOUNTED TRANSFORMER
- 49 NEW UNDERGROUND ELECTRICAL FROM EXISTING POWER POLE TO PROPOSED PAD MOUNTED TRANSFORMER. VERIFY LOCATION WITH PSCO.
- 50 NEW 8" 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.
- 51 3'-4" x 3'-1" MONUMENT SIGN, INTERNALLY ILLUMINATED. (TYP. 2)
- 52 4" NEW PVC SANITARY SEWER SERVICE FROM "C"-STORE TO THE 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.
- 53 780 GALLON GREASE INTERCEPTOR TO MEET CITY REQUIREMENTS.
- 54 Shell grease canopy sign (4 Typ)
- 55 NEW RETAINING WALL (SEE SD-14)
- 56 NEW 26' x 42' CAR WASH
- 57 CONCRETE WHEEL STOPS (TYP. 12)
- 58 EXISTING STORAGE BUILDING TO BE REMOVED
- 59 EXISTING 1" METER & PIT TO BE ABANDONED
- 60 NEW SIDEWALK AT CAR WASH
- 61 NEW 4" PVC STORM SEWER LINES (PRIVATE) FROM TRENCH DRAINS AND PROPOSED INLET TO TIE INTO 8" PVC ROUTED TO PROPOSED AREA INLET
- 62 2'-0" CURB OPENING
- 63 NEW 35' CURB CUT
- 64 NEW 30' CURB CUT
- 65 SIDEWALK EASEMENT BY SEPARATE DOCUMENT
- 66 BIKE RACK AND TRASH RECEPTACLE ON 8'x8' CONCRETE PAD
- 67 DIRECTIONAL SIGNS, "DO NOT ENTER" - ORIENTED TOWARDS EASTBOUND TRAFFIC (TYP. 2)
- 68 9' x 24' UTILITY EASEMENT (BY SEPARATE DOCUMENT)
- 69 DRIVE-THRU WINDOW
- 70 HANDICAP RAMP AND LANDING TO "C"-STORE
- 71 EXISTING RETAINING WALL TO REMAIN
- 72 NEW 4" PVC STORM DRAINS (PRIVATE) FROM CANOPY ROOF DRAINS TO TIE-IN TO PROPOSED AREA INLET
- 73 COIN/COFFEE BOX FOR CAR WASH & WASTE RECEPTACLE ON 4" THICK CONCRETE PAD
- 74 8" CONCRETE CROSSSPAN PER CITY STANDARDS (TYP. 2)
- 75 MAIN ELECTRICAL PANEL
- 76 C-Store "Food Mart" copy

LEGAL DESCRIPTION:

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

BENCHMARK:

CITY OF AURORA BM #K-0306 DESCRIBED AS: A CHISELED "X" ON TOP OF 5" 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

SITE DATA

EXISTING ZONING: 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

BUILDING AREA: "C" STORE 2,010 SF

OCCUPANT LOAD: 2,010

CANOPY AREA: 2,828 SF

CAR WASH AREA: 1,099 SF

PARKING:		TOTAL:	
REGULAR SPACES REQUIRED:	RETAIL - 1/200 SF GROSS FLOOR @ 2010 SF:	6 SPACES	
REGULAR SPACES PROVIDED:		6 SPACES	
8'-6" x 18'-0" PARKING SPACES:		7 SPACES	
EV CHARGING STALLS:		4 SPACES	
HANDICAP SPACES PROVIDED:		11 SPACES	
8'-6" x 18'-0" PARKING SPACES:		1 SPACE	
		1 SPACE	

NOTE: CIRCLE K DOES NOT LIMIT EV CHARGING STALLS TO EV CHARGING ONLY. ALL CUSTOMERS CAN PARK IN THESE STALLS AS NEEDED.

NOTES:

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 SHOWN OR INDICATED ON THE 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 34-129 OF THE AURORA CITY CODE.
8. ROOF MOUNTED MECHANICAL SCREEN SHALL BE OF METAL CONSTRUCTION AND PAINTED TO MATCH THE BUILDING FASCIA BAND. ALL OTHER 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, ALL UTILITY EASEMENTS MUST REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE 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. BY SUBMITTING 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 ALERTED 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 AGREE WITH THE APPROVED SUBDIVISION PLAT OF RECORD AT THE TIME OF A BUILDING 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.

BICENTENNIAL PARK

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 BUILDING 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. THE ACCESSIBLE ROUTE BETWEEN ACCESSIBLE PARKING AND ACCESSIBLE BUILDING ENTRANCES 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. CROSSWALKS ALONG THIS ROUTE SHALL BE WIDE ENOUGH TO WHOLLY CONTAIN THE CURB RAMP WITH A MINIMUM WIDTH OF 36" AND SHALL BE PAINTED WITH WHITE STRIPES. REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE CONTINUOUS FROM EACH REQUIRED ACCESSIBLE OCCUPIED AREA TO THE PUBLIC WAY. THE "ACCESSIBLE EXTERIOR ROUTES" SHALL COMPLY WITH USC CHAPTER 11, APPENDIX 11, AND CADO/ANSI 117.1.
15. ALL CROSSINGS OR ENCROACHMENTS BY PRIVATE LANDSCAPE IRRIGATION LINES OR SYSTEMS INTO EASEMENTS AND STREET RIGHTS OF WAY OWNED BY THE CITY OF AURORA ARE ACKNOWLEDGED BY THE UNDERSIGNED AS BEING SUBJECT TO CITY OF AURORA'S USE AND OCCUPANCY OF SAID EASEMENTS OR RIGHTS-OF-WAY. THE UNDERSIGNED, THEIR SUCCESSORS AND ASSIGNS, HEREBY AGREE TO INDEMNIFY THE CITY OF AURORA FOR ANY LOSS, DAMAGE OR REPAIR TO THE CITY FACILITIES THAT MAY RESULT FROM THE INSTALLATION, OPERATION OR MAINTENANCE OF SAID PRIVATE IRRIGATION LINES OR SYSTEMS.
16. APPLICANT ACKNOWLEDGES THAT ALAMEDA ACCESS MAY BE CONVERTED TO RIGHT IN/RIGHT OUT MOVEMENTS IN CONJUNCTION WITH FUTURE 1-225/ALAMEDA INTERCHANGE CONSTRUCTION AND ASSOCIATED MEDIAN ALONG ALAMEDA AVENUE.

REVISIONS				
No.	Description	Des.	By	Date
2	TIE CAR WASH AND ONE BUILDING DOWNSPOUTS TO 6" STS (PREVIOUSLY 4" STS)	JNA	CJH	12/8/97
3	DELETE QSR, REMOVE WINDOW 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

TEXACO REFINING AND MARKETING INC.
P.O. Box 430
Bellville, Texas 77402-0430
Tel. (713) 432-3033
Fax. (713) 432-3049

Galloway, Romero & Associates
Design Engineering Planning
5300 DTC Parkway
Englewood, Colorado 80111
Tel. (303) 770-8884
Fax. (303) 770-3638
Contact: Chris Lindstrom

SITE PLAN

298 SOUTH POTOMAC STREET AURORA, CO.
Designed By: CAL Date: JANUARY, 1997 Sht
Drawn By: KDD Scale: 1" = 20'
Checked By: CAL Disk File: TE298P3 2 OF 4

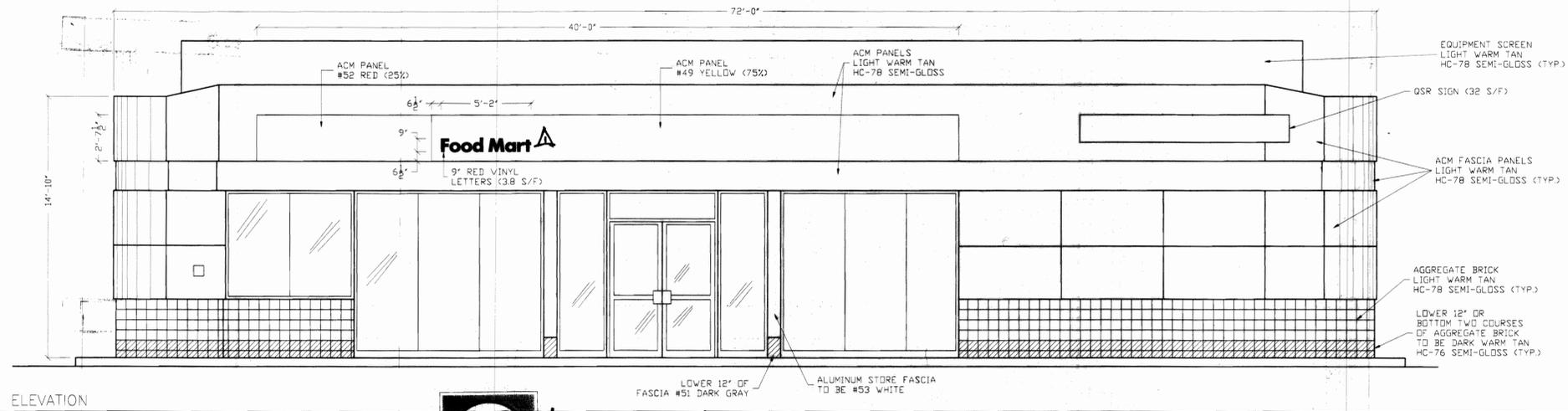
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AURORA HILLS STAR MART

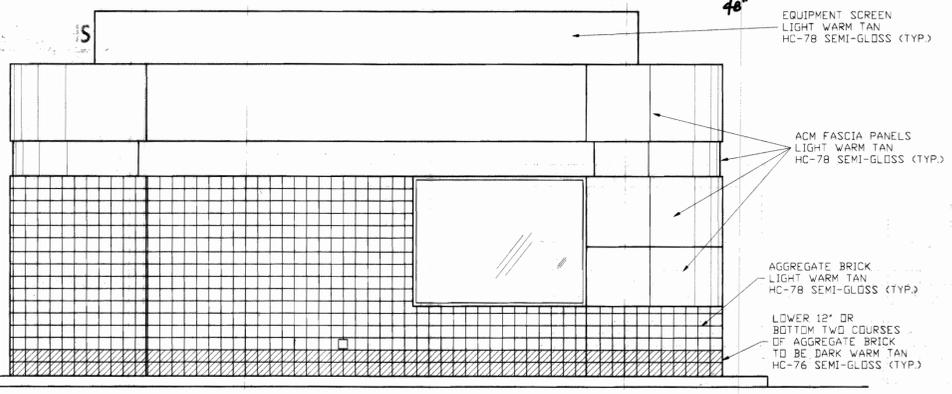
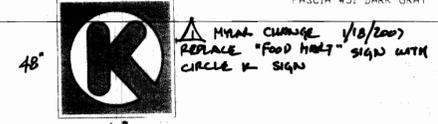
SITE PLAN AND USE APPROVAL

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

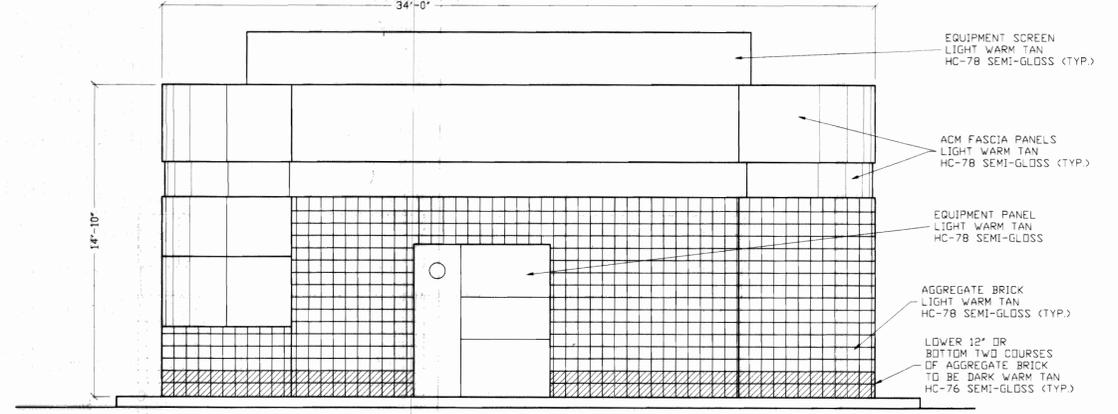
AFS
 ARCHITECTS
 Sheldon Henderson
 5902 S. Temple Wy.
 Centennial, Co. 80015
 (303) 690-6028



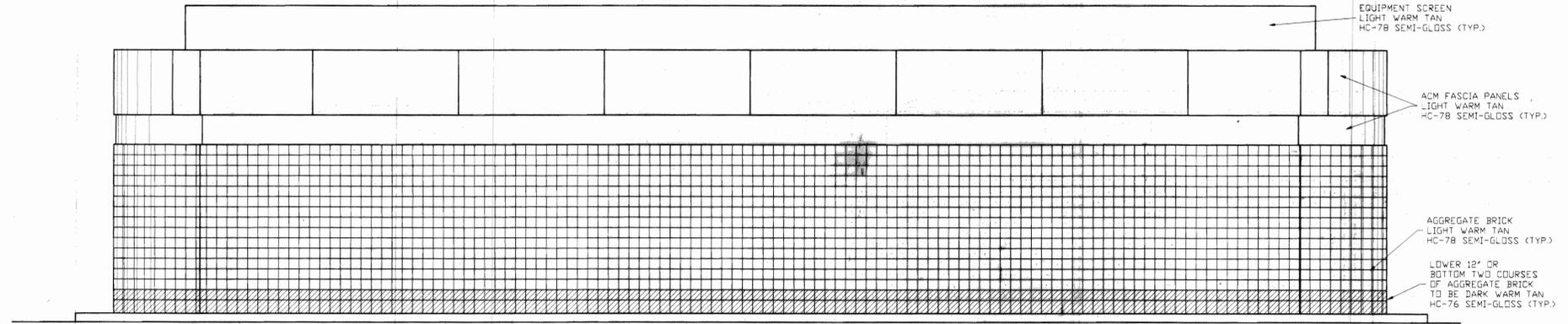
SOUTH ELEVATION



WEST ELEVATION



EAST ELEVATION



NORTH ELEVATION

"C" STORE ELEVATIONS
 SHELL
 298 S. POTOMAC
 AURORA, CO.
 DATE: 10/24/02 SCALE: NOTED DRAWN BY: SMH CHECKED BY:

SHEET NO.	3
DATE	
REVISION	
BY	
DATE	

10-02-02 jh/smh

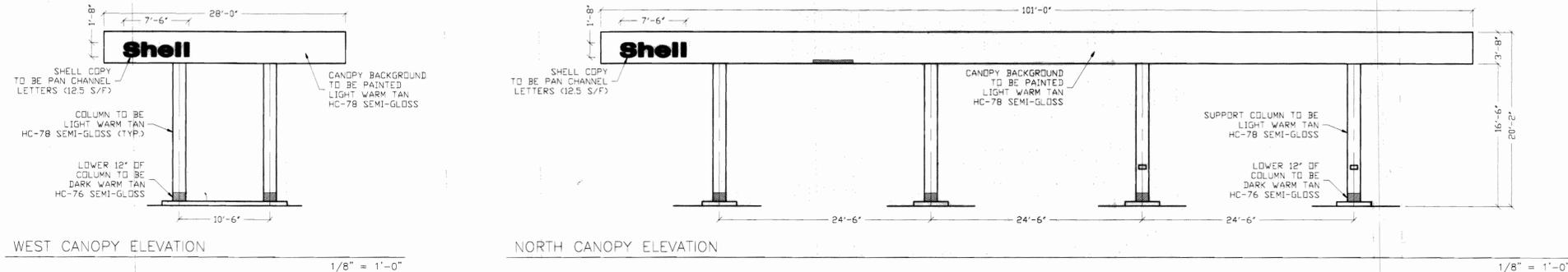
Aurora Hills Star Mart 1978-6043-07

AURORA HILLS STAR MART

SITE PLAN AND USE APPROVAL

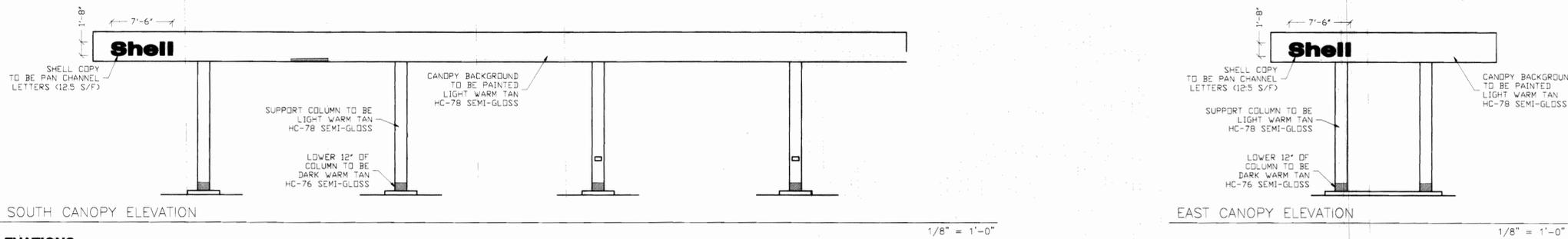
LOT 1, BLOCK 1, STAR SMITH SUBDIVISION FILING NO. 1
COUNTY OF ARAPAHOE, STATE OF COLORADO

ACCURATE
FIELD SERVICES
 Sheldon Henderson
 5902 S. Temple Wy.
 Centennial, Co. 80015
 (303) 690-6028



WEST CANOPY ELEVATION

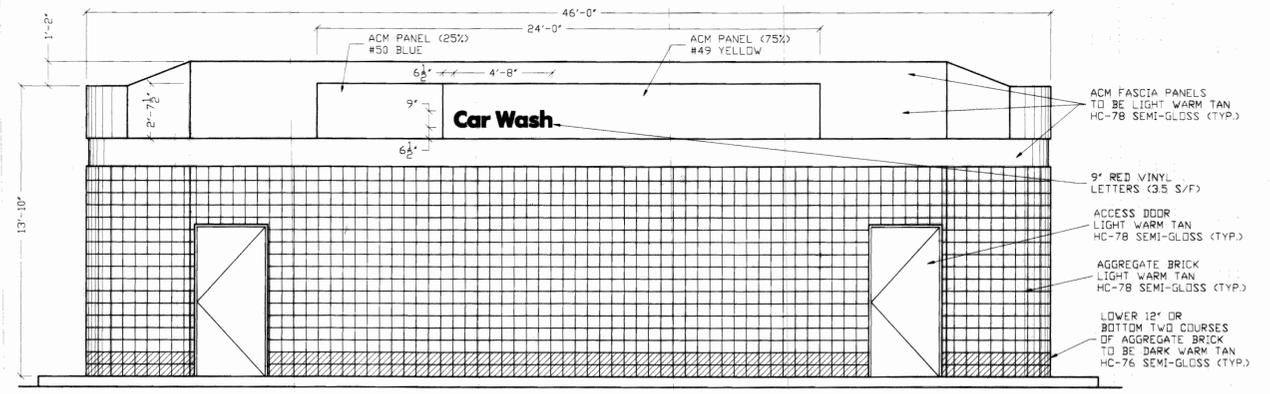
NORTH CANOPY ELEVATION



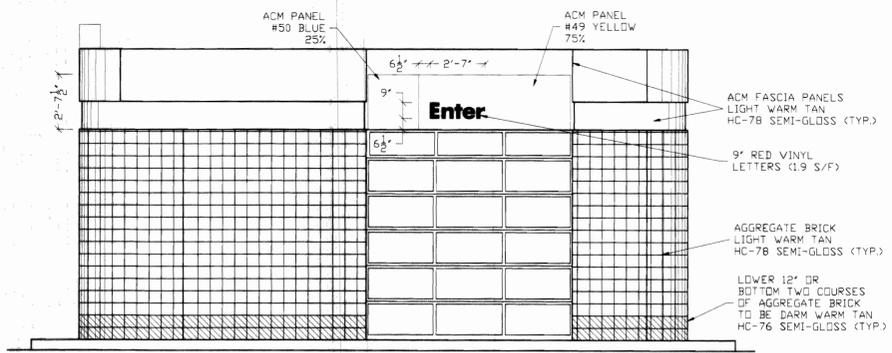
SOUTH CANOPY ELEVATION

EAST CANOPY ELEVATION

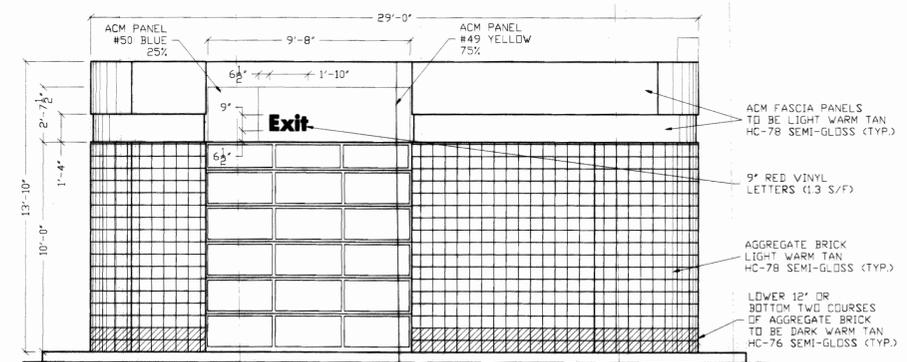
CANOPY ELEVATIONS



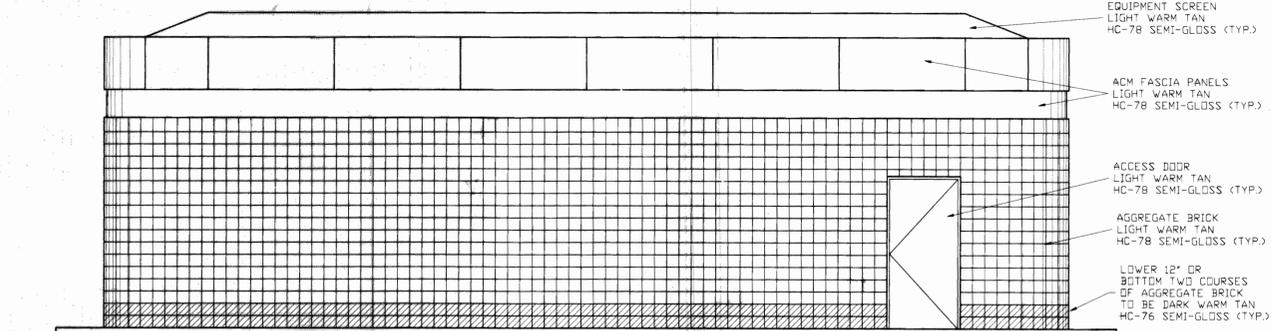
SOUTH CAR WASH ELEVATION



EAST CAR WASH ELEVATION (ENTRANCE)



WEST CAR WASH ELEVATION (EXIT)



NORTH CAR WASH ELEVATION

CAR WASH ELEVATIONS

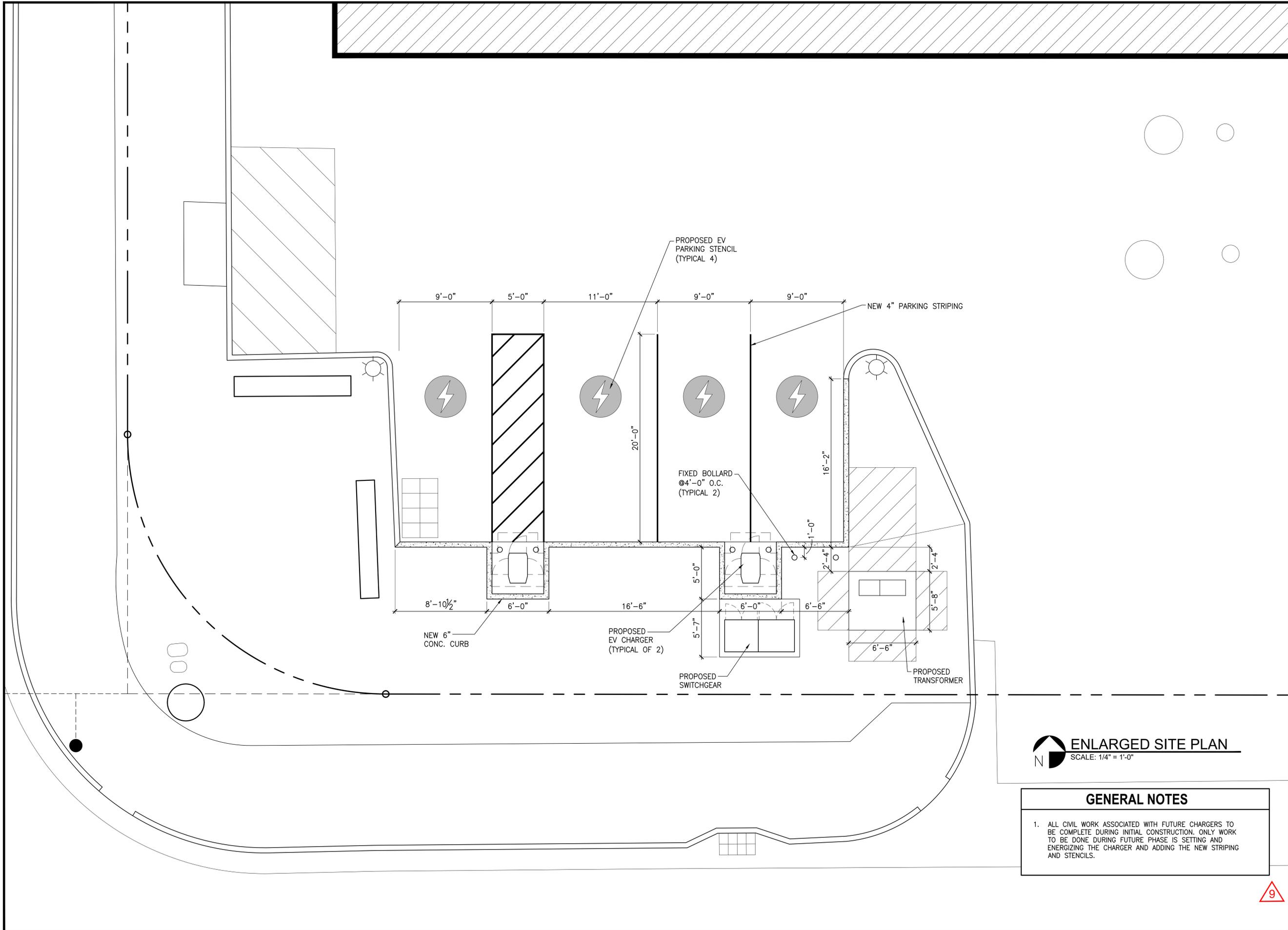
CAR WASH & CANOPY ELEVATIONS
 SHELL
 298 S. POTOMAC
 AURORA, CO.

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

SHEET NO.	4
DATE	
REVISION	
BY	



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 AURORA, CO 80012



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

GENERAL NOTES

- 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.

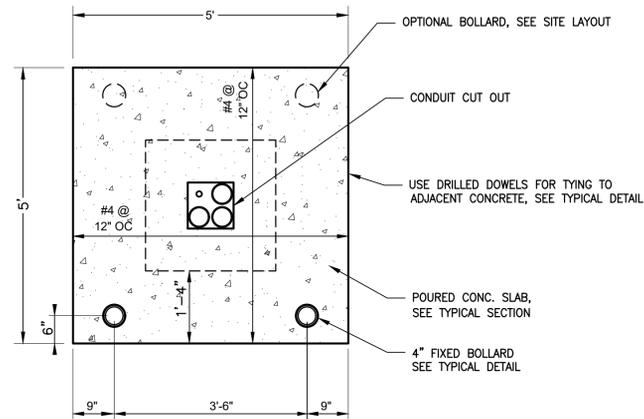
NO.	DATE	REVISION DESCRIPTION

DATE: 12/18/2023

SHEET TITLE: ENLARGED SITE PLAN

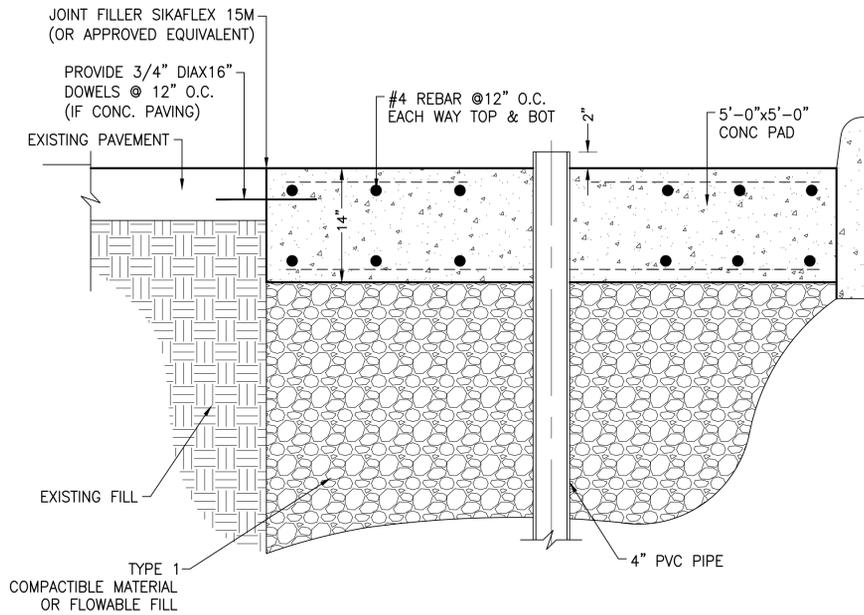
SHEET NUMBER: C-3

PAGE NUMBER: 9



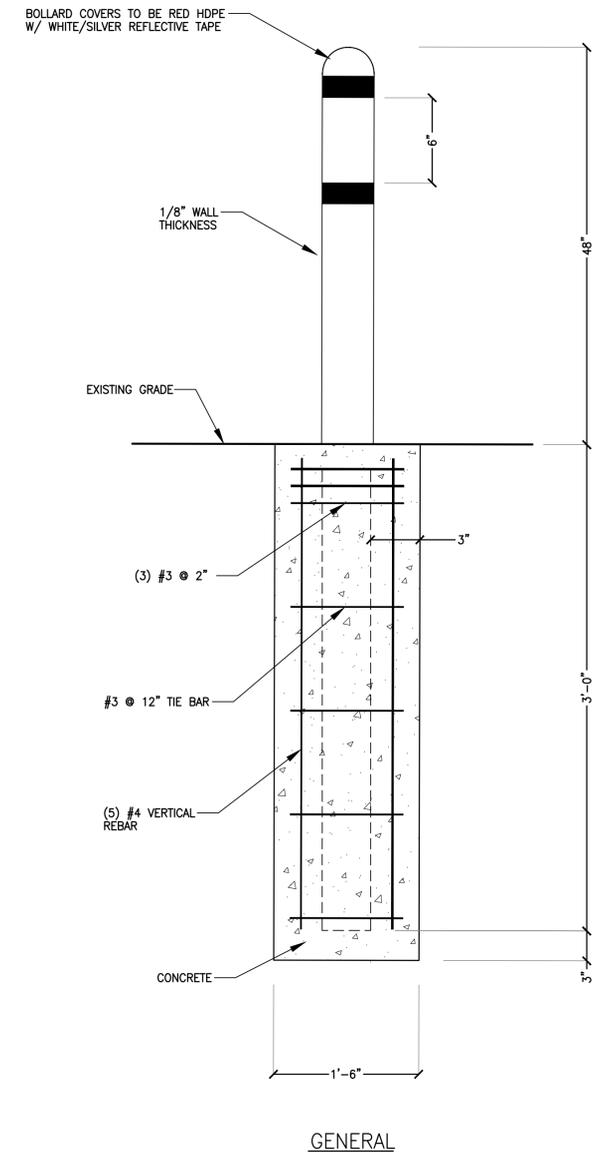
NOTES:
 1. ANCHOR LOCATION AND DIAMETER TO MATCH ELECTRICAL EQUIPMENT.
 2. CONCRETE PADS SHALL HAVE A SLOPE OF 2.0% TOWARDS THE PARKING LOT

PLAN VIEW - EV CHARGER PAD
 NO SCALE

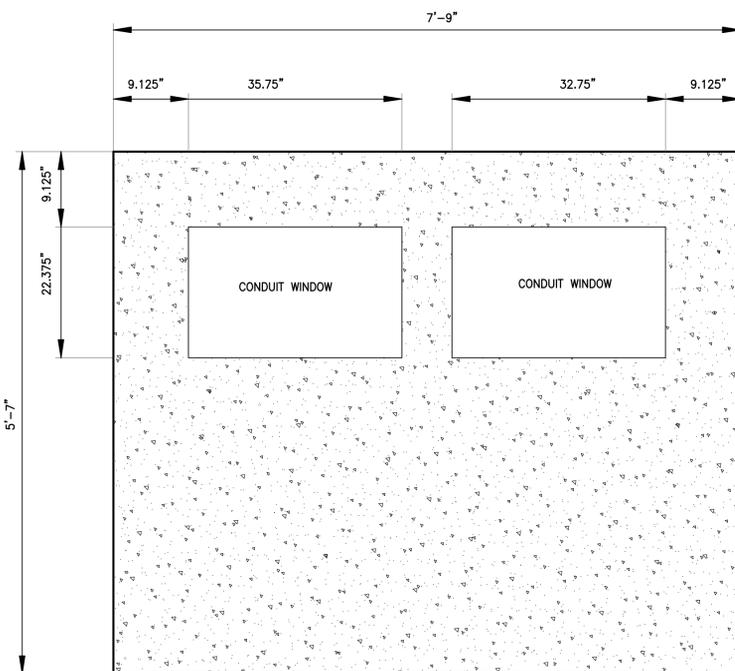


NOTES:
 1. FOLLOW MANUFACTURER PROVIDED INSTALLATION INSTRUCTIONS.

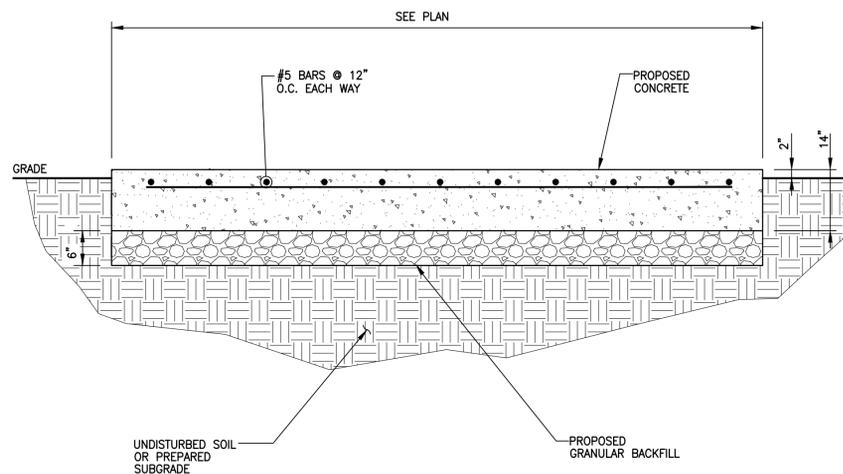
TYPICAL SECTION - DISPENSER PAD & BASE
 NO SCALE



4" FIXED BOLLARD
 NO SCALE



PLAN VIEW - SWITCHGEAR PAD
 NO SCALE



TYPICAL SECTION - CONCRETE PAD
 NO SCALE



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 AURORA, CO 80012

NO.	REVISION DESCRIPTION

DATE	
NO.	

DATE 12/18/2023

SHEET TITLE
 CIVIL DETAILS

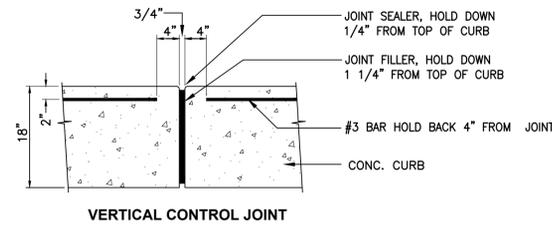
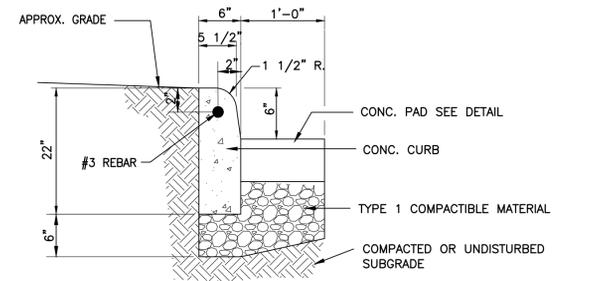
SHEET NUMBER

D-1

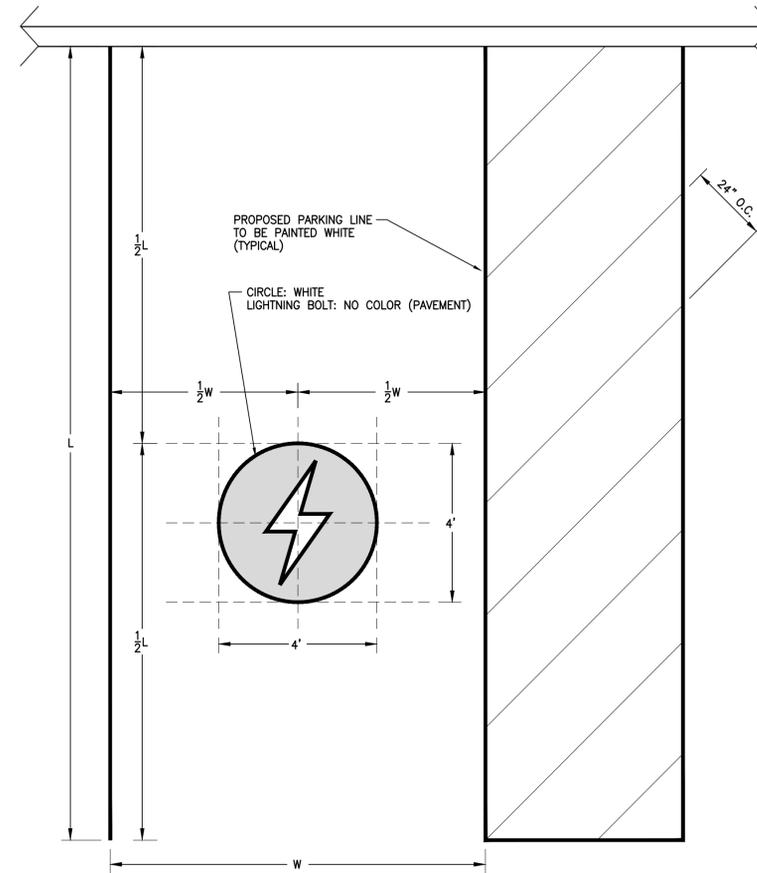
PAGE NUMBER



NOTES:
1. MATCH EXISTING CURB TYPE AND PROFILE



TYPICAL CURB DETAIL
NO SCALE



TYPICAL CHARGING STALL DIMENSIONS
NO SCALE



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DATE: 12/18/2023

SHEET TITLE

CIVIL DETAILS

SHEET NUMBER

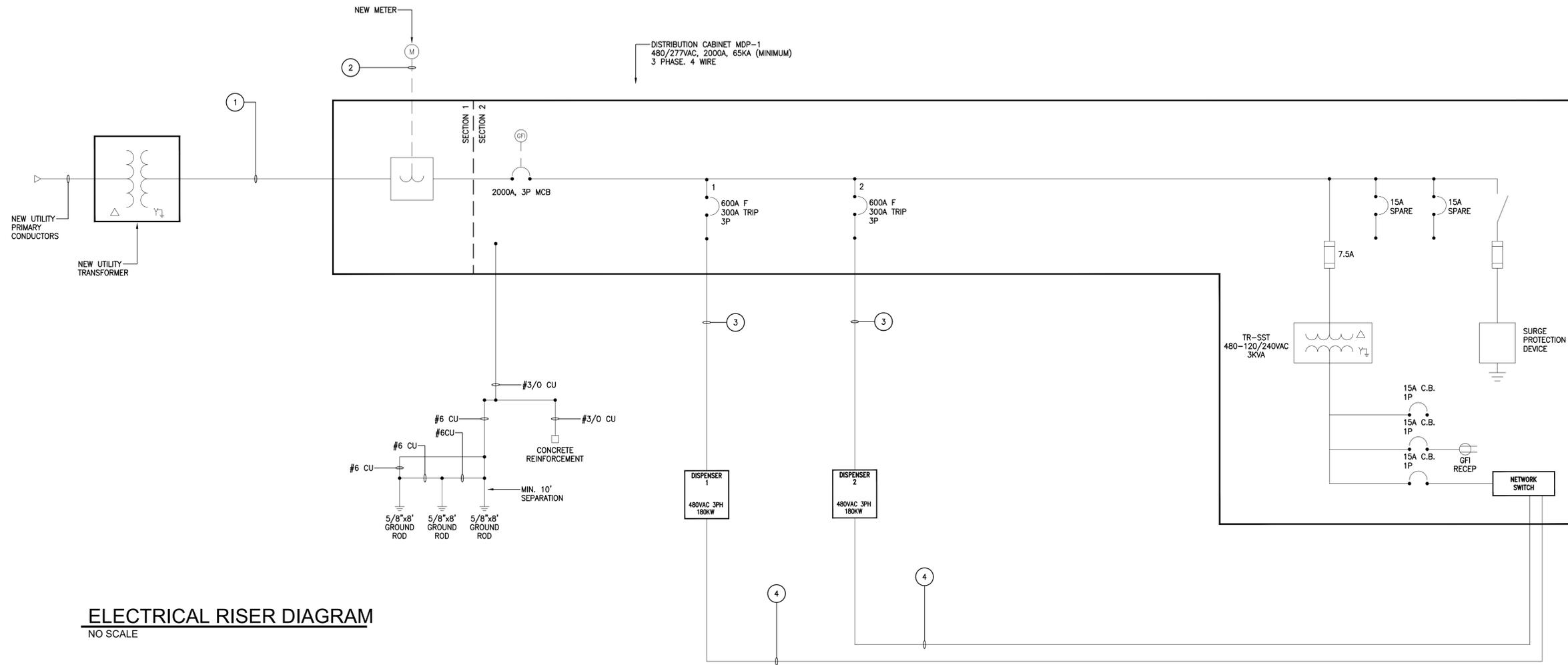
D-2

PAGE NUMBER





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AURORA, CO 80012



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.

NO.	REVISION DESCRIPTION

DATE	
NO.	
DATE	12/18/2023

SHEET TITLE

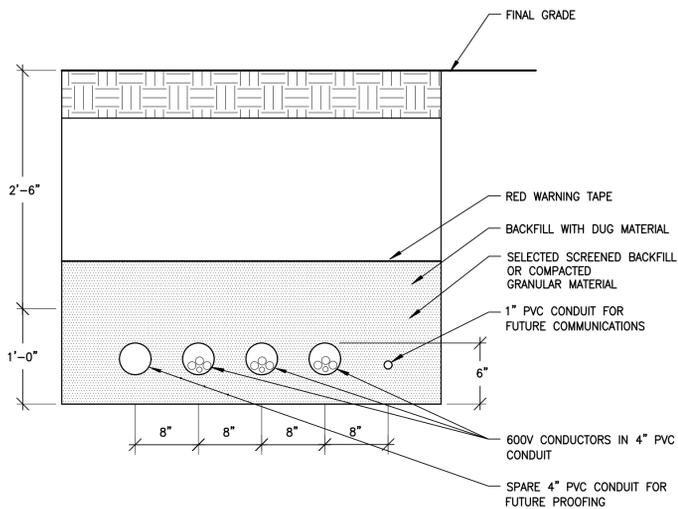
ELECTRICAL SINGLE LINE DIAGRAM

SHEET NUMBER

E-2

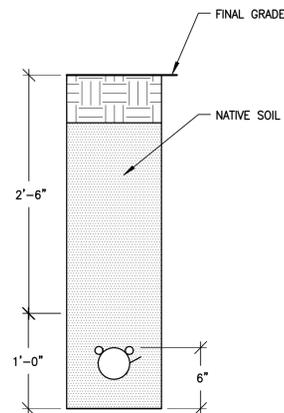
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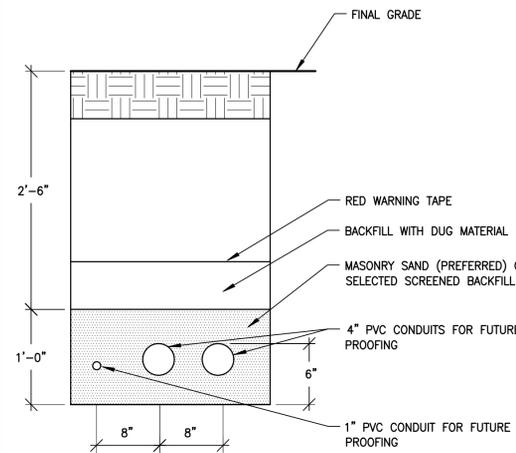
NOTES:
 1. USE THIS DETAIL FOR SERVICE ENTRANCE AND FOR CONDUITS TO/FROM METERING AND TRANSFORMER.

TYPICAL SERVICE ENTRANCE DETAIL
 NO SCALE



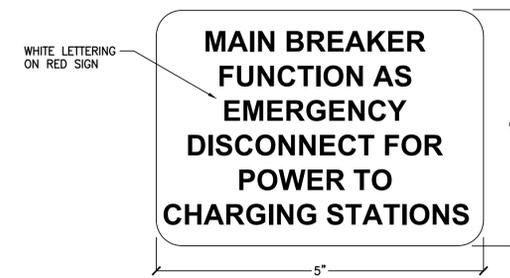
NOTES:
 1. REFER TO CIVIL DRAWINGS G001 FOR DIRECTIONAL DRILL REQUIREMENTS.
 2. ALL CONDUITS TO BE PULLED TOGETHER WITHOUT INTENTIONAL SEPARATION.
 3. DEPTH OF BURIAL MAY BE REDUCED TO CODE MINIMUM AT RECEIVING & ENTRANCE PITS.
 4. CONTRACTOR MAY UTILIZE DIRECTIONAL DRILLING FOR THE CONDUIT RUN BETWEEN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

TYPICAL DETAIL FOR DIRECTIONAL BORING
 NO SCALE

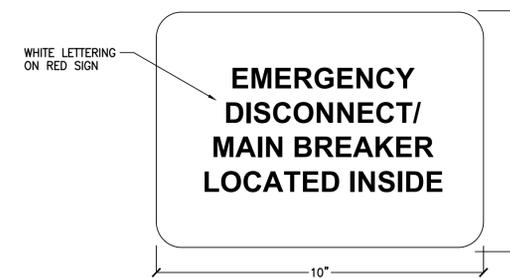


NOTES:
 1. QTY (2) 4" CONDUCTOR CONDUIT, QTY (1) 1" COMMUNICATIONS CONDUIT TO BE USED FOR ALL CHARGER POSITIONS

CONDUITS FOR EACH CHARGER
 NO SCALE



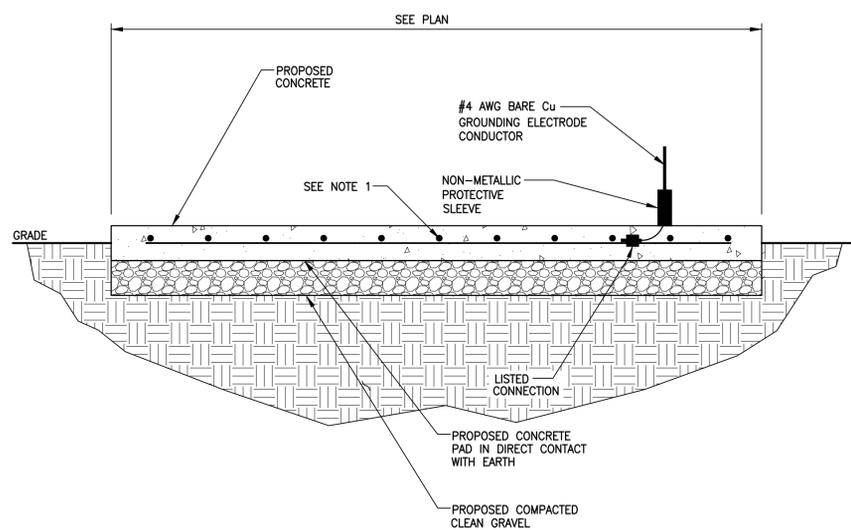
NOTES:
 1. TO BE PLACED BY THE MAIN BREAKER INSIDE SWITCHBOARD.



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

EMERGENCY DISCONNECT SIGN DETAIL
 NO SCALE

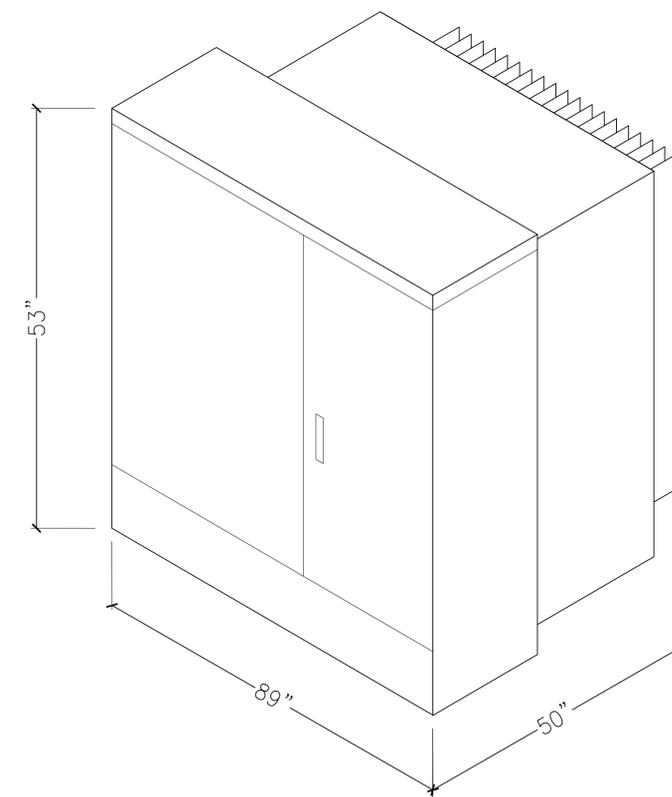
NOTE
 1. REBAR BONDED TOGETHER WITH STEEL TIE WIRES OR EXOTHERMIC WELDING



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



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

NO.	DATE	REVISION DESCRIPTION

DATE: 12/18/2023

SHEET TITLE: ELECTRICAL DETAILS

SHEET NUMBER: E-3



ELECTRICAL SPECIFICATIONS

SCOPE OF WORK

- INSTALL COMPLETE ELECTRICAL SYSTEM INCLUDING POWER AND CONTROL WIRING TO CONNECT THE ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE, ALSO KNOWN AS CHARGERS) TO THE GRID.
- IN GENERAL, THE CONTRACTOR SHALL:
 - PROVIDE ELECTRICAL DISTRIBUTION CABINET
 - PROVIDE FREE STANDING METER BASE ACCORDING TO UTILITY STANDARDS.
 - SUPPLY AND INSTALL ALL CONDUIT AND WIRING SYSTEMS.
 - SUPPLY AND INSTALL SYSTEM GROUNDING PER CODE.
 - MAKE ALL POWER AND CONTROL CONNECTIONS.
 - COMMISSION ELECTRICAL EQUIPMENT PER NETA ATS STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
 - OBTAIN UTILITY CONNECTION AUTHORIZATION.
 - PROVIDE QUALIFIED ELECTRICAL SUPPORT DURING EVSE COMMISSIONING BY OTHERS.
 - SITE LIGHTING CONSISTING OF POLE, ILLUMINATED SIGN, SITE LIGHT AND SIGNAGE
- THE FOLLOWING EQUIPMENT SHALL BE PROVIDED BY THE OWNER FOR INSTALLATION BY THE CONTRACTOR:
 - ELECTRICAL VEHICLE POWER SUPPLY EQUIPMENT (CHARGERS)
 - ELECTRICAL DISTRIBUTION CABINET
- 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

- 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.
- WORK WHICH IS INDICATED, BUT NOT COMPLETELY DETAILED SHALL BE INSTALLED BY COMMON PRACTICE OR AS DIRECTED BY THE CONSTRUCTION MANAGER.
- 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.).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND COST OF ALL REPAIRS TO SERVICES DAMAGED DURING CONSTRUCTION.

CODES AND STANDARDS

- 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.
- REFER TO LATEST VERSION OF 2008 NEC STANDARD FOR ACCEPTABLE MARKING. ALL COSTS RELATED TO APPROVALS ARE THE SOLE RESPONSIBILITY OF THE VENDOR.
- THE CONTRACTOR SHALL ARRANGE FOR INSPECTIONS AND OBTAIN CONNECTION APPROVALS FOR THE PROJECT. THE OWNER SHALL ARRANGE FOR PLAN REVIEW.

CONTRACT DRAWINGS

- 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

- 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.
- 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

- 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.
- 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.
- 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

- 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.
- PROVIDE ARC FLASH LABELS THAT COMPLY WITH PRACTICES BASED ON NFPA 70E 2020 .
- 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

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

QUALITY ASSURANCE

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

FINISHES

- 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.
 - APPLY ALL FINISHES IN ACCORDANCE WITH THE FINISH-SUPPLIERS INSTRUCTIONS.
 - PROVIDE COPIES OF THE APPLICATION INSTRUCTIONS AND/OR FINISH TEST REPORTS AS INDICATED OR UPON REQUEST.
 - PAINT AND PRIMER APPLICATION SHALL BE POWDER COAT UNLESS OTHERWISE SPECIFIED OR APPROVED IN WRITING BY THE ENGINEER.
- COLORS:
 - PAINT OUTDOOR/INDOOR ELECTRICAL EQUIPMENT: WHITE (MANUFACTURER'S STANDARD)

- STAINLESS STEEL ENCLOSURES SHALL NOT BE PAINTED.
- 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.
- CLEAN AND PRIME EXPOSED NON-GALVANIZED AND NON-STAINLESS HANGERS, RACKS AND FASTENINGS TO PREVENT RUSTING.

WARNING SIGNS

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

SINGLE LINE ELECTRICAL DIAGRAMS

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

INSTALLATION - GENERAL

- 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.
- EXPEDITE THE WORK AS FOLLOWS:
 - CONTINUOUSLY CHECK AND EXPEDITE DELIVERY OF EQUIPMENT AND MATERIALS.
 - IF NECESSARY, INSPECT AT THE SOURCE OF MANUFACTURE.
 - CONTINUOUSLY CHECK AND EXPEDITE THE FLOW OF NECESSARY INFORMATION TO AND FROM ALL PARTIES INVOLVED.
 - INFORM THE CONSTRUCTION MANAGER PROMPTLY AS IS REQUIRED.

WORKMANSHIP

- INSTALL ALL EQUIPMENT, CONDUIT AND CABLES IN A WORKMANLIKE MANNER TO PRESENT A NEAT APPEARANCE AND TO FUNCTION PROPERLY.
- INSTALL EXPOSED SYSTEMS AND EQUIPMENT NEATLY AND GROUPED WITHOUT CONFLICT TO OTHER SERVICES.
- INSTALL EQUIPMENT AND APPARATUS REQUIRING MAINTENANCE, ADJUSTMENT OR EVENTUAL REPLACEMENT WITH DUE ALLOWANCE THEREFORE, IN TERMS OF SPACE AND ACCESSIBILITY.
- 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
- REPLACE WITHOUT EXTRA COST WORK UNSATISFACTORY TO THE CONSTRUCTION MANAGER.
- 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

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

EXCAVATION AND BACKFILL

- 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.
- 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.
- 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.
- IF DEWATERING IS REQUIRED, CONTACT THE CONTRACT MANAGER.
- IF HAND DIGGING IS REQUIRED, CONTACT THE CONTRACT MANAGER.
- THE POSITION OF POLE LINES, CONDUITS, SEWERS, WATERMANS 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.
- 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

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

WIRING - GENERAL

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

- ALL CONDUCTORS SHALL BE STRANDED COPPER UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE PERMANENTLY LABELED WITH SOURCE AND DESTINATION.
- 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.
- PROVIDE CAT6A CABLES FROM EACH CHARGER AND POWER BLOCK TO TELECOM CABINET.
- NO TOP OR SIDE ENTRY SHALL BE ALLOWED FOR CONDUIT OR CABLE CONNECTIONS.

WIRING TERMINATIONS

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

CLEANING

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

FIELD QUALITY CONTROL (TESTING)

- 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.
 - TESTS REQUIRING INITIAL POWER-UP OF A SYSTEM SHALL NOT BE MADE WITHOUT NOTIFICATION OF THE CONSTRUCTION MANAGER.
 - CONDUCT ALL TESTING BY FULLY QUALIFIED PERSONNEL ONLY.
 - TEST ALL EQUIPMENT IN ACCORDANCE WITH NETA ATS-2021, "STANDARD FOR ACCEPTANCE TESTING SPECIFICATIONS FOR ELECTRICAL POWER EQUIPMENT AND SYSTEMS" .
 - CLEAN ALL EQUIPMENT PRIOR TO TESTING.
 - DOCUMENT ALL TESTING. RECORD TEST PROCEDURES, ACCEPTABLE RESULTS, ACTUAL RESULTS, REMEDIAL WORK PERFORMED AND FINAL OUTCOME.
 - 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:

- COORDINATE WITH THE UTILITY FOR CONNECTION.
- OBTAIN LOCATES.
- RUN CONDUITS TO RISER POLE/PAD MOUNT TRANSFORMER.
- PROVIDE SLACK CABLE FOR UTILITY TO MAKE FINAL CONNECTIONS.
- WHERE CONNECTION IS TO OVERHEAD SYSTEM, PROVIDE CONDUIT, WEATHERHEAD AND STEEL GUARDING FOR RISER.
- WHERE CONNECTION IS TO PADMOUNT TRANSFORMER, PROVIDE NEMA 2-HOLE LUGS FOR ALL CABLES.
- 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)

- 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.
 - 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 OWNER.
 - CONTRACTOR SHALL BE RESPONSIBLE AT END OF DAY TO SECURE AND CLEAN CONSTRUCTION SITE TO ENSURE BUSINESS CONTINUATION
 - CONTRACTOR TO PROVIDE HEALTH AND SAFETY PLAN.



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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.

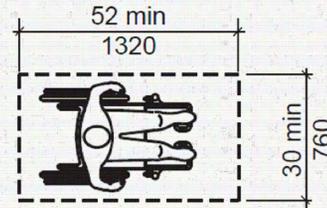


FIGURE 305.3.1
SIZE OF CLEAR FLOOR SPACE - NEW BUILDINGS

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.

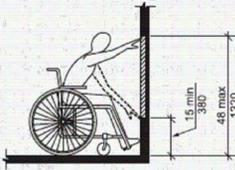


FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH

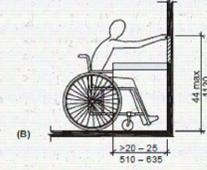
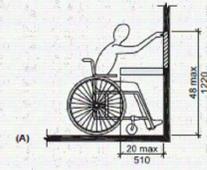


FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH

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	NB105SH NB105SU	NB180SH NB180SU	NB210SH NB210SU	NB240SH NB240SU	
DC OUTPUT	Maximum power (kW)	150	180	210	240
	Voltage range (V)	150 - 1000 ^[1]			
	Available connectors	CCS-1, CCS-2, CHAdeMO			
	Maximum continuous current CCS (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 EV charging simultaneously	2			
AC OUTPUT (OPTIONAL ONLY FOR IEC)	Power (kW)	22			
	Voltage range (V)	400 ± 10%			
	Maximum current (A)	52			
	Available connectors	AC Type 2 Socket			
DC OUTPUT FOR ADDITIONAL SATELLITE DISPENSER (OPTIONAL)	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 EV charging simultaneously	1			
AC INPUT FOR DC OUTPUT	Power (kW)	158	189	221	263
	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)			
	RFID reader	ISO14443 A/B, MIFARE, Cayenne, ISO15693, ISO15693 and more Insulation monitor			
	Protections	Overcurrent / shortcircuit (Circuit Breakers) Overvoltage (Type 2) (optional) RCD Type A (optional)			
	Others	AC charge (optional): Circuit Breaker + RCD Type A + RCM Smart Fleet Management (optional) Internal DC energy measurement DC meter for DC output (optional)			
GENERAL	Energy measurement	AC MID meter for AC output			
	Cable length (m/ft)	5 / 16.4 with cable management system. Optionally: 7.5 / 25			
	Enclosure / foot / glass color	White (RAL 9016) / Grey (RAL 7016) / Black			
	Customization ^[3]	Enclosure / foot / glass / logo / display			
	Protection rating	NEMA 3R (IP54) / IK03 (IK03 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	CCP1/16.1, Modbus TCP and RS-485			
	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.

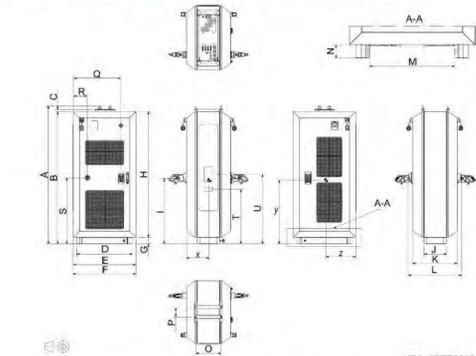


DC Charger NB 240 Installation Manual

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	K
mm	2088	2000	33.5	850	950	956	100	1900	988	340	670
in.	82.20	78.74	1.32	33.46	37.40	37.64	3.94	74.80	38.89	13.38	26.38

GENERAL DIMENSIONS		GRAVITY CENTER						
L	M	N	O	P	Q	R	Z	
mm	706	640	100	383	150	345	903	440.5
in.	31.42	25.19	3.94	15.08	5.90	13.62	37.92	17.70

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.

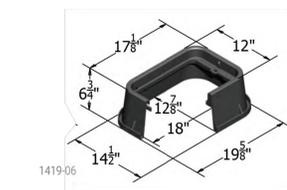
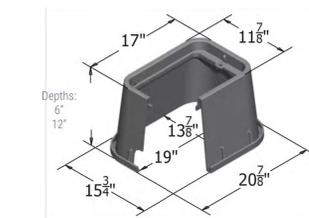
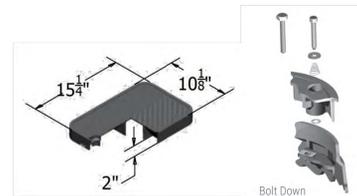
BODY

- 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

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EV DISPENSER STATION CUT SHEETS

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POWER AND SIGNAL DEVICE LEGEND

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
	ONE, TWO, OR THREE HOME RUNS TO ELECTRICAL PANEL "PNL" - INDICATED PANEL NAME "# - INDICATES CIRCUIT NUMBER, U.O.N.
	GROUND BAR

ABBREVIATIONS

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 & AIR CONDITIONING	TEL	TELEPHONE
CLG	CEILING			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 APPARATUS
DGP	DATA GATHERING PANEL	LTG	LIGHTING	V	VOLTAGE
DIFF	DIFFERENTIAL	MCB	MAIN CIRCUIT BREAKER	VDC	DIRECT CURRENT VOLTAGE
DISC	DISCONNECT	MECH	MECHANICAL	VFD	VARIABLE FREQUENCY DRIVE
DN	DOWN	MER	MECHANICAL EQUIPMENT ROOM	WP	WEATHER PROOF
DWG	DRAWING	MIN	MINIMUM		
ELEC	ELECTRICAL	MLO	MAIN LUGS ONLY		
EMR	ELEVATOR MACHINE ROOM	MTD	MOUNTED		



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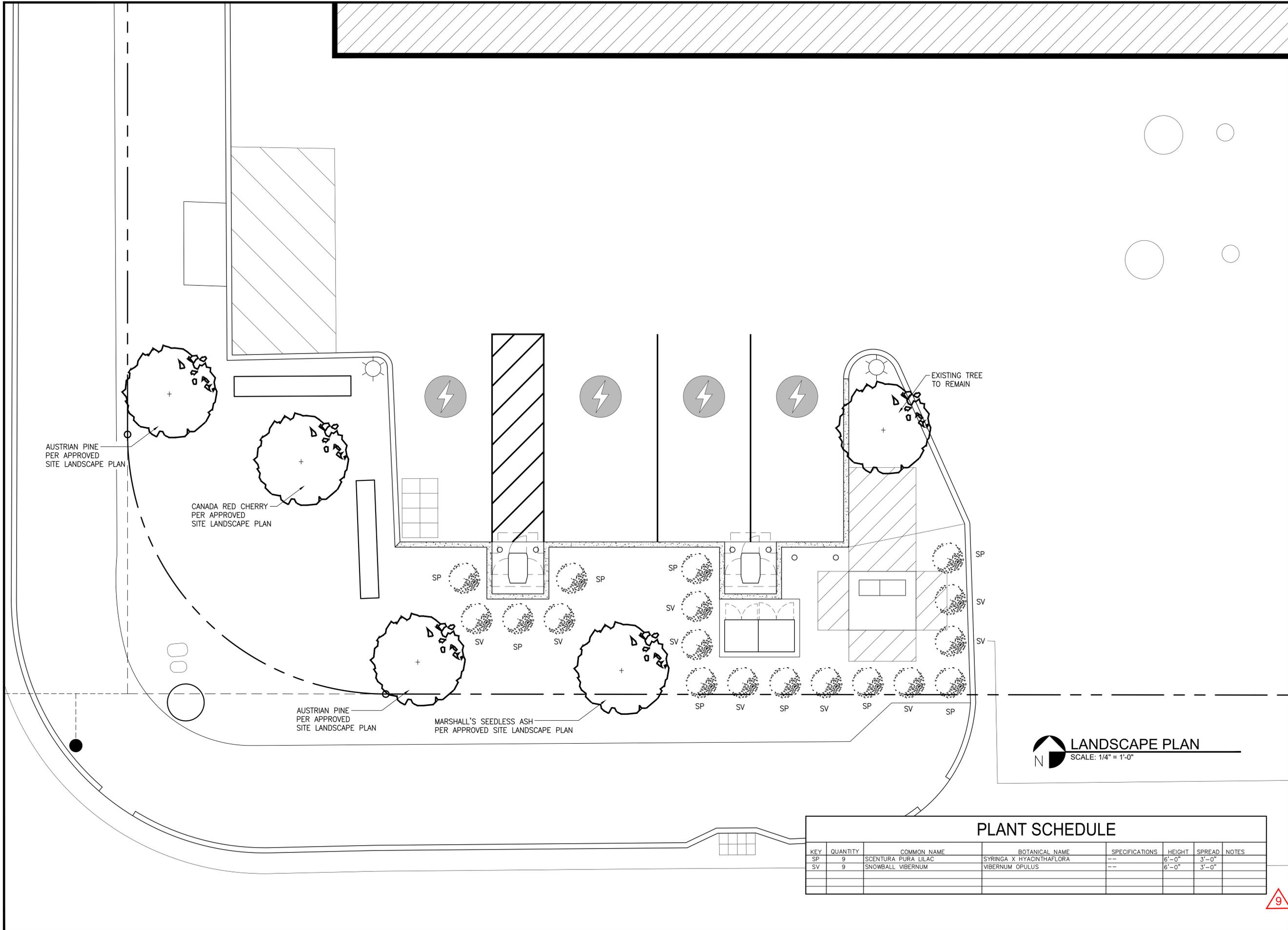
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LANDSCAPE PLAN
 SCALE: 1/4" = 1'-0"

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

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