

LOT 4A, PARKER POINTE SUBDIVISION FILING NO. 1, AMENDMENT NO. 1

SITE PLAN FOR



LOCATED AT S. PARKER RD & STROH RD
CITY OF PARKER, DOUGLAS COUNTY, STATE OF COLORADO
TOTAL SITE ACREAGE: 0.60 AC

CALL UTILITY NOTIFICATION
CENTER OF COLORADO
1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

THE TYPE, SIZE, LOCATION, AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ON THE SITE, AND OFFSITE IN WORK AREAS. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY CONTRACTOR PRIOR TO DATE OF CONSTRUCTION. FOR INFORMATION CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) - 1-800-922-1987. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY SIZE AND HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING FACILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

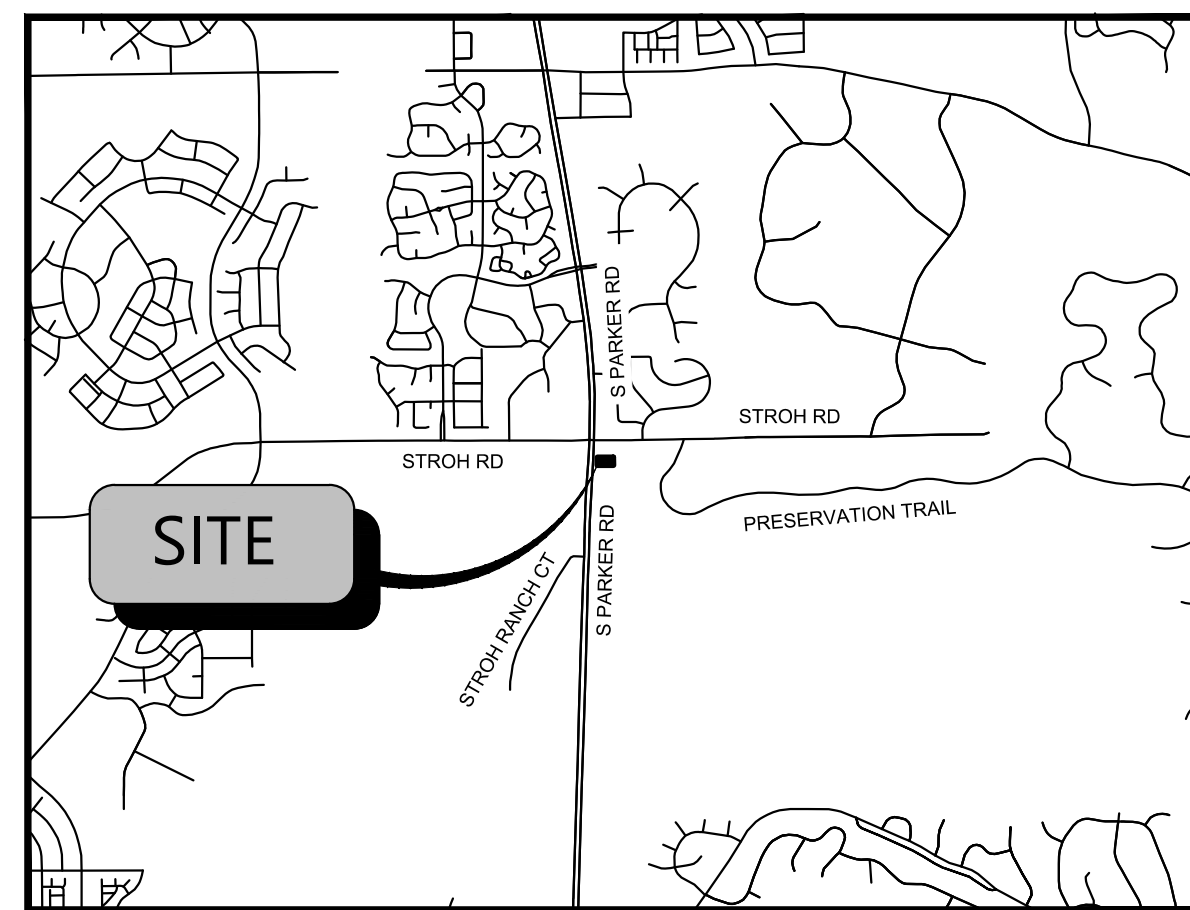
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS AND UTILITIES AND SHALL REPAIR ANY DAMAGE AT HIS EXPENSE.

ALL THE FIRE HYDRANTS SHALL BE INSTALLED ACCORDING TO WATER UTILITY STANDARDS. THE NUMBER AND LOCATIONS OF THE FIRE HYDRANTS AS SHOWN ON THE OVERALL UTILITY PLAN ARE CORRECT AS SPECIFIED BY THE TOWN OF PARKER, COMMUNITY DEVELOPMENT DEPARTMENT.

FIRE CODE OFFICIAL OR DESIGNATED REPRESENTATIVE _____ DATE _____

(NOTE - UNDERGROUND FILE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA 24 WHEN SUBMITTING FOR REVIEW)

SITE AREA	
TOTAL PROPERTY AREA:	0.60 AC. / 25,933 SF.
DISTURBED AREA:	0.67 AC. / 29,406 SF.
IMPERVIOUS AREA:	0.40 AC. / 17,639 SF.
PERVIOUS AREA:	0.19 AC. / 8,294 SF.
ZONING CLASSIFICATION	
JURISDICTION:	CITY OF PARKER
ZONING:	MODIFIED COMMERCIAL
ADJACENT ZONING:	PLANNED COMMERCIAL
PROPOSED USE:	COMMERCIAL RESTAURANT WITH DRIVE THRU
BUILDING SETBACKS	
MIN BUILDING SETBACK	40'
MAX BUILDING SETBACK	65'
LANDSCAPE SETBACK	10' ADJACENT TO PUBLIC OR PRIVATE ROADWAY
REAR BUILDING SETBACK	25'
BUILDING SUMMARY	
PROPOSED BUILDING AREA:	1,460 SF
BUILDING HEIGHT LIMIT:	35'
PROPOSED NUMBER OF BUILDINGS:	1
PARKING SUMMARY	
PARKING REQUIREMENTS	1 SPACE PER EACH 4 PERSONS OF RATED CAPACITY (EXCLUDING OUTDOOR SEATING)
TOTAL PARKING REQUIRED	6 SPACES
PARKING PROVIDED	12 SPACES (INCLUDING 1 ADA SPACE AND 10 STACKING SPACES)
CAR STACKING REQUIRED	NO REQUIREMENTS; STACKING COUNTS TOWARDS PARKING REQUIREMENTS
BIKE SPACES REQUIREMENTS	4 SPACES
TOTAL BIKE PARKING PROVIDED	4 SPACES



VICINITY MAP
N.T.S.



FEMA MAP
N.T.S.

NOTE: BASED ON GRAPHIC DETERMINATION, THIS PROPERTY DOES NOT LIE IN A F.E.M.A./F.I.R.M SPECIAL FLOOD HAZARD AREA PER COMMUNITY PANEL NO. 08035C0182G DATED MARCH, 16 2016.



AERIAL MAP
N.T.S.

TOWN OF PARKER PLAN SET	
Sheet Number	Sheet Title
C0.00	COVER SHEET
C1.00	TOWN GENERAL NOTES
C1.10	TOWN GENERAL NOTES
C1.20	GENERAL NOTES
C2.00	SITE PLAN
SF-8	BICYCLE RACK
SF-9	BICYCLE SERVICE STATION
L1.01	LANDSCAPE PLAN
L1.02	LANDSCAPE SPECIFICATIONS AND NOTES
L1.03	LANDSCAPE DETAILS
P1	PHOTOMETRIC PLAN
P2	PHOTOMETRIC PLAN
P3	PHOTOMETRIC PLAN
A1.0	DUMPSTER ENCLOSURE PLAN AND ELEVATIONS
A6.0	EXTERIOR ELEVATIONS (B&W)
A6.0	EXTERIOR ELEVATIONS (COLOR)
A6.1	EXTERIOR ELEVATIONS (B&W)
A6.1	EXTERIOR ELEVATIONS (COLOR)

BLACK ROCK COFFEE BAR
TOTAL SITE AREA: 0.60 AC. / 25,933 SF.
DISTURBED AREA: 0.67 AC. / 29,406 SF.
ZONING: MIXED-USE COMMUNITY (MC)

DEVELOPMENT TEAM

OWNER	CIVIL ENGINEER	SURVEYOR	DEVELOPER
DOUBLETREE VENTURES, LLC P.O. BOX 40326 DENVER, CO 80204 CONTACT: BRIAN ZUREK EMAIL: BRIAN@DOUBLETREEVENTURES.COM	ATWELL, LLC 9001 AIRPORT FREEWAY, SUITE 660 NORTH RICHLAND HILLS, TX 76180 PHONE: (###) ###-#### CONTACT: NICHOLAS SALAZAR EMAIL: NSALAZAR@ATWELL.COM	BARRON LAND 2790 N. ACADEMY BLVD., SUITE 311 COLORADO SPRINGS, CO 80917 PHONE: (719) 360-6827 CONTACT: SPENCER BARRON	BLACK ROCK COFFEE BAR 16307 NE CAMERON BLVD PORTLAND, OR 97230 PHONE: (541) 531-2149 CONTACT: TONY POLLOTTA

GOVERNING AGENCIES AND UTILITY CONTACTS

WATER & WASTEWATER	FIRE PROTECTION	GAS PROVIDER
PARKER WATER AND SANITATION DISTRICT 13939 ANCESTRY DRIVE PARKER, CO 80134 PHONE: (303) 841-4627 EMAIL: RRAMSEY@PWSD.ORG CONTACT: ROBERT RAMSEY	TOWN OF PARKER FIRE AND LIFE SAFETY 20120 E. MAINSTREET PARKER, CO 80138 PHONE: (303) 805-3169 CONTACT: RANDY CAPRA EMAIL: RCAPRA@PARKERONLINE.ORG	XCEL ENERGY 1123 WEST 3RD AVE, DENVER, CO 80223 PHONE: (303) 571-3927 CONTACT: BUILDER'S CALL LINE (800) 628-1212 X3
ENGINEERING DEPARTMENT	BUILDING PERMIT	PHONE PROVIDER
TOWN OF PARKER ENGINEERING & PUBLIC WORKS 20120 E. MAINSTREET PARKER, CO 80134 PHONE: (303) 840-9546 EMAIL: CKUDLAUSKAS@PARKERCO.GOV CONTACT: CHARLES KUDLAUSKAS	TOWN OR PARKING BUILDING DIVISION 20120 E. MAINSTREET PARKER, CO 80138 PHONE: (303) 841-1970 CONTACT: RANDY SALE EMAIL: RSALE@PARKERONLINE.ORG	CENTURYLINK 9750 EAST COSTILLA AVE. ENGLEWOOD, CO 80112 PHONE: (720) 578-5142
	ELECTRIC PROVIDER	
	CORE ELECTRIC COOPERATIVE 5496 NORTH U.S. HIGHWAY 85 SEDALIA, CO 80135 PHONE: (303) 332-9540 CONTACT: BRUFF SHEA	

PROJECT NARRATIVE

BLACK ROCK COFFEE BAR IS OWNED BY BLACK ROCK DEVELOPMENT COMPANY, LLC. THEY ARE A PREMIUM CRAFT COFFEE SHOP WITH MULTIPLE LOCATIONS ACROSS THE COUNTRY. THEY CONSIDER THEMSELVES A "PART OF LOCAL COMMUNITIES, EACH BLACK ROCK COFFEE BAR TEAM FINDS WAYS TO SERVE THEIR NEIGHBORHOODS, AND BY DOING SO WE HELP RAISE THE BAR FOR RELATIONSHIP AND COMPASSION." THEIR PROTOTYPE BUILDING IS ROUGHLY 600-700 SQUARE FEET IN SIZE, WITH STATE-OF-THE-ART DESIGN AND IDENTIFIABLE BRANDING ELEMENTS. THEY OFFER PATIO AND INDOOR SEATING WITH THE OPTION OF DRIVE-THRU AVAILABILITY.

A BUILDING WITH THE STANDARD DUAL-LANE ORDERING SINGLE LANE PICKUP IS BEING PROPOSED FOR THIS LOCATION. THIS PROJECT WOULD UTILIZE A PROPOSED ACCESS POINT TO DECLAN DRIVE.

LEGAL DESCRIPTION

LOT 4A, PARKER POINTE SUBDIVISION FILING NO. 1, AMENDMENT NO. 1 ACCORDING TO THE PLAT AS RECORDED JULY 31, 2024 AT RECEPTION NO. 2024031650, COUNTY OF DOUGLAS, STATE OF COLORADO

ADDRESS OF RECORD:
6940 STROH ROAD, PARKER, CO

BENCHMARK

ELEVATIONS ARE BASED UPON DOUGLAS COUNTY GIS SECONDARY CONTROL MONUMENT "1.060032" (ELEVATION - 5903.17 NAVD88)

BASIS OF BEARINGS

BEARINGS ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 3, T7S, R66W OF THE 6TH PRINCIPAL MERIDIAN, MONUMENTED ON THE EAST WITH A #6 REBAR WITH 2" ALUMINUM CAP IN MONUMENT BOX STAMPED "PLS 22561" AND ON THE WEST WITH A #6 REBAR WITH A 3.25" ALUMINUM CAP IN MONUMENT BOX STAMPED "PLS 29761", AND IS ASSUMED TO BEAR S 89°59'29" W, A FIELD MEASURED DISTANCE OF 2648.43 FEET.

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THE PROPOSED DEVELOPMENT, BLACK ROCK COFFEE OF PARKER, COLORADO, IS DESIGNED IN ACCORDANCE WITH THE TOWN OF PARKER SIGHT DISTANCE CRITERIA AND WITH AASHTO POLICY ON GEOMETRIC DESIGN OF HIGHWAY & STREETS.

PROFESSIONAL ENGINEER'S SIGNATURE _____ LICENCE NUMBER _____

PE STAMP:

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORTS, FINAL DEVELOPMENT PLANS, SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE APPROVED AND ON FILE WITH THE TOWN OF PARKER.

TOWN OF PARKER, DIRECTOR ENGINEERING _____ DATE _____



Know what's Below. Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE INCURRED BY THE CONTRACTOR'S FAILURE TO LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY ACCIDENTS OR INJURIES TO PERSONS OR PROPERTY ARISING FROM THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.
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ATWELL
866.850.4200 www.atwell-group.com
9001 AIRPORT FREEWAY, SUITE 660
NORTH RICHLAND HILLS, TX 76180
972.956.9860

LOT 4A, PARKER POINTE SUBD. FILING NO. 1, AMEND. NO. 1
S. PARKER RD & STROH RD
PARKER
DOUGLAS COUNTY, COLORADO

BLACK ROCK COFFEE BAR
13135 DECLAN DRIVE
BLACK ROCK COFFEE BAR
COVER SHEET

DATE 2025-04-03

REVISIONS

DRAWN BY: K. SARWAR
CHECKED BY: N. SALAZAR
PROJECT MANAGER: N. SALAZAR
JOB #: 24003198
FILE CODE: ##
SHEET NO. C0.00

TOWN OF PARKER DEPARTMENT OF ENGINEERING/PUBLIC WORKS

STANDARD CONSTRUCTION NOTES

These notes shall appear on the cover sheet. If a cover sheet has not been used they shall be put on every sheet of the submittal.

- All materials and construction shall be in conformance with the latest edition of the Colorado Department of Transportation Standard Specifications for Road and Bridge Construction, the latest edition of the Town of Parker Roadway Design and Construction Criteria Manual, and the Town of Parker Storm Drainage and Environmental Criteria Manual.
- All materials and workmanship shall be subject to inspection by the Town of Parker Public Works Department. The Town reserves the right to accept or reject any such materials and workmanship that does not conform to its standards and specifications.
- A preconstruction meeting shall be scheduled a minimum of 48 hours and a maximum of 96 hours prior to the start of construction. A preconstruction meeting will not be scheduled until the grading permit and all other necessary permits have been obtained.
- The Town Inspector shall be contacted a minimum of 24 hours prior to a necessary inspection. If a Town Inspector is not available after proper notice of construction activity has been provided, the permittee may commence work in the Town Inspector's absence. However, the Town of Parker reserves the right to reject the improvement if subsequent testing reveals an improper installation.
- Location of existing utilities shall be verified by the contractor prior to actual construction in accordance with all state and local laws. The contractor shall field verify size and horizontal and vertical locations of existing facilities prior to construction, and notify the engineer of any discrepancies.
- The contractor shall have one (1) signed copy of the plans, approved by the Town of Parker Director of Engineering/Public Works, and one (1) copy of the Roadway Design and Construction Criteria at the job site at all times.
- A plan for traffic control during construction shall be submitted to the Town of Parker for acceptance with the Right-of-Way Use Permit application. A permit will not be issued without an approved traffic control plan for use during construction.
- All trenches shall be adequately supported and the safety of workers provided for as required by the most recent Occupational Safety and Health Administration (OSHA) "Safety and Health Regulations for Construction."
- Compaction of all trenches must be attained and compaction test results submitted to the Development Review Engineer in preliminary form prior to paving and in final form prior to probationary acceptance.

- The contractor is responsible for implementing and maintaining erosion and sediment control measures at all times during construction. The plan may be modified as field conditions warrant with approval from the Town of Parker Public Works Department.
- The contractor shall provide, erect and maintain proper traffic control devices until the site is open to traffic. The contractor shall submit a traffic control plan to the Town of Parker Public Works Department for approval prior to construction.
- Plans are approved for period of 1 (one) year from the date shown on the Town of Parker signature block. Plans shall be resubmitted to the Town for approval after 1 year. The cost of the plan re-review and re-acceptance will be charged back to the developer including all time and expenses of the Town of Parker Public Works Department.
- Repair of any damage to existing improvements or landscaping is the responsibility of the contractor. Such restoration may be required to be completed prior to acceptance of completed improvements.
- All damaged existing curb, gutter, and sidewalk shall be repaired prior to acceptance of completed improvements.
- All construction activities must comply with the State of Colorado permitting process for "Stormwater Discharges Associated with Construction Activity." For information, please contact Colorado Department of Health, Water Quality Control Division, WQCD-PE-B2, 4300 Cherry Drive South, Denver, Colorado 80222-1530. Attention: Permits and Enforcement Section. Phone (303) 692-3500.
- If dewatering is required, a state construction dewatering discharge permit is required for discharges to a storm sewer, channel, irrigation ditch, any street that is tributary to the aforementioned facilities, or any water of the United States.
- All references to books, pages, maps, and reception number are public documents on file with the County Clerk and Recorder's Office.

ROADWAY NOTES

The following notes shall appear on the cover sheet of all submittals containing roadway plans. If a cover sheet has not been used, they shall be put on every sheet of the submittal containing roadway design.

- Paving shall not commence until a soils report and pavement design is approved by the Town of Parker and subgrade compaction tests are submitted to and approved by the Town Inspector.
- Standard Town of Parker Curb Ramps are to be constructed at all curb returns and at all "T" intersections in accordance with the latest Town of Parker standards
- All stationing is based on centerline of roadways unless otherwise noted.
- All elevations are on USGS DATUM with date. Range point or monument shall be shown on the construction plans.
- Except where otherwise provided for in these plans and specifications, the Colorado Department of Highways Standard Specifications for Road and Bridge Construction, the Colorado Department of Highways M and S Standards, and the Town of Parker Roadway Design and Construction Criteria Manual, latest edition, shall apply.

STORM DRAINAGE INFRASTRUCTURE NOTES

- All storm drainage improvements are subject to compliance with the Colorado Department of Transportation (CDOT) current edition of the Standard Specifications for Road and Bridge Construction, M & S Standards, and all standard special provisions currently used by CDOT, with the modifications set forth in the Town of Parker's Storm Drainage and Environmental Criteria Manual (SDECM), as amended.
- The contractor shall comply with the "Colorado Water Quality Control Act" (Title 25, Article 8 CRS), the "Protection of Fishing Streams" Title 33, Article 5, CRS), the "Clean Water Act" (33 USC 1344), Cherry Creek Reservoir Control Regulation No. 72" (5 CCR 1002-72), the regulation promulgated, certification or permits issues, and the requirements presented in the SDECM Revision to Section 107 and the Construction BMP Plan. In the event of conflicts between these requirements and water quality control laws, rules, or regulations of other Federal, or State agencies, the more restrictive laws, rules, or regulations shall apply.
- Inspections: Construction shall not begin until a grading permit has been issued for the project. The contractor shall notify the Town of Parker Engineering Department (Public Works) to schedule inspections a minimum of 48 hours prior to the construction of all drainage infrastructure (storm sewers, inlets, manholes, energy dissipaters, riprap, grouted boulders, detention pond outlet structures, forebays, trickle channels, etc). Failure to notify the engineering department for inspections may result in non-acceptance of the infrastructure by the Town. Urban Drainage and Flood Control District must also be notified in a similar manner for all maintenance eligible drainage infrastructures (consult with Stormwater Engineering Division).
- Structural backfill (CDOT Class 1) shall be compacted to conform to CDOT Standard Specification 203.03. Structural backfill (CDOT Class 2) shall conform to CDOT Standard Specification 203.07. At the contractor's option, Structural Backfill (Squeegee) meeting the gradation requirements contained in Revision of Section 206 of the CDOT Standard Specifications as presented in the SDECM, may be substituted for Structure backfill (Class 1) or Class 2) for backfilling of culvert pipes, storm sewer pipes, manholes and inlet structures; however, the top 2 feet below subgrade elevation shall be the required embankment material.
- All excavations shall meet OSHA requirements.
- Testing: Probationary acceptance of storm drainage improvements will be contingent upon satisfactory testing results. In all cases where tests indicate compaction less than that required by Town specifications, additional compaction and tests will be required until the specifications are met. Frequency of testing will be as follows:
 - 1 test for subgrade and 1 test for backfill at every above ground appurtenance (manholes, inlets, etc)
 - 1 test every 200 LF of mainline trench every 1 foot of backfill lift and within 1 foot from all structures.

- Allowable storm sewer conduit material within the Town of Parker shall be limited to Reinforced Concrete Pipe (RCP) conforming to CDOT Standard Specification 706.02.
- All RCP joints shall be manufactured in accordance with ASTM C443. Rubber gaskets shall be used on all pipe joints conforming to ASTM C443. All RCP sections shall be joined in such a manner that the ends are fully entered and the inner surfaces are reasonable flush. Average joint gap that exceeds 1/2 inch shall be filled with an approved flexible plastic sealant.
- Joint restraints and toe-walls, conforming to CDOT M&S Standard Plan No. M-601-11 shall be used on all RCP flared end section outfalls.
- Epoxy coated rebar shall be used as reinforcing steel on all storm inlets and structures. Reference CDOT M&S Standard Plan No. M-604-10, 11, 12, and 13.
- CDOT Class D concrete shall be used for all concrete drainage structures.
- Pre-cast inlets and manhole bases shall not be used within the Town of Parker Right-of-way, with the exception of CDOT Type C and D inlets.
- Two- (2) manhole access points are required on all Type "R" curb inlets greater than or equal to ten (10) feet in length as presented in CDOT M&S Standard Plan No. M-604-12.
- All grouting (boulders, riprap) shall be in accordance with the Revision of Section 506 of the CDOT Standard Specifications as presented in the SDECM.
- All boulders and riprap shall be selected and placed in accordance with the Revision of Section 506 of the CDOT Standard Specifications as presented in the SDECM.
- Contractor shall refer to the Town of Parker's Construction Best Management Practices details and notes for all requirements relating to re-vegetation, sediment and erosion control requirements for construction activities.
- Pipe bells shall not be cast into manhole bases or inlets.

DEMOLITION NOTES:

- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXIST. UTILITIES AND GRAVITY STORM AND SANITARY SEWER LINES TO DETERMINE THE ACCURACY OF SURVEY INFORMATION REFLECTED ON THESE DRAWINGS. ADDITIONALLY, THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL CONNECTIONS RELATIVE TO THOSE SHOWN ON THESE DRAWINGS. IF DISCREPANCIES ARE DETERMINED CONTACT THE ENGINEER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXIST. UTILITIES WHICH CONFLICT WITH THE PROPOSED UTILITIES SHOWN ON THE PLANS.

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES. SUBJECT TO THESE PLANS BEING STAMPED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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TOWN OF PARKER, DIRECTOR ENGINEERING DATE



THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY PERSONS INJURED OR PROPERTY DAMAGED BY THE WORK, OR ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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LOT 4A, PARKER POINTE SUBD. FILING NO. 1, AMEND. NO. 1
S. PARKER RD & STROH RD
PARKER
DOUGLAS COUNTY, COLORADO

BLACK ROCK COFFEE BAR
13135 DECLAN DRIVE
BLACK ROCK COFFEE BAR
TOWN GENERAL NOTES

DATE 2025-04-03

REVISIONS

DRAWN BY: K. SARWAR
CHECKED BY: N. SALAZAR
PROJECT MANAGER: N. SALAZAR
JOB #: 24003198
FILE CODE: ##
SHEET NO. C1.00

FILE NAME: \\TOWN-CORP\GIS\PROJ\2025\24003198 - C100 NOTES.dwg LAST SAVED BY: nps 12/17/2024 2:27 PM PLOTTER: HP DesignJet Z6800 Plotter PLOT STYLE: ATWELL.PST

CAD FILE: 24003198 - C100 NOTES

SIGNAGE AND STRIPING NOTES

In addition to the notes in the above section of these roadway standards, the following notes shall appear on the cover sheet of all submittals containing roadways. The following notes shall be on all signage and striping plans:

- All traffic control devices shall conform to the most recent version of the federal Manual on Uniform Traffic Control Devices (MUTCD), Colorado Supplemental MUTCD, and the Town of Parker Roadway Design and Construction Criteria Manual. Further specifications and illustrations are located in the Colorado Department of Transportation (CDOT) M and S Standards.
- A field inspection of location and installation of all signs and markings shall be performed by the Town of Parker.
- The contractor installing signs shall be responsible for the locating and protecting of all underground utilities.
- Type III (lighted) barricades shall be set at the ends of roadways separating finished (and/or accepted) and unfinished construction areas and shall be maintained by the contractor/developer. A "Road Closed Ahead" and "To Be Extended" warning signs shall be installed appropriately in advance of the Type III barricades.
- Special care shall be taken in sign locations to ensure an unobstructed view of each sign.
- Where stop sign control is appropriate, 36 inch stop signs shall be used for approaches to any roadway that is classified as a collector or greater.
- A 7 foot minimum post length shall be maintained from the bottom of the sign panel to the ground. This requirement for vertical clearance is for all signs.
- Delineation of roadways shall be as specified in the Colorado Department of Transportation M and S Standards.
- Raised median island noses shall have R4-7 signs at each end and a 4"x12" high intensity yellow sign blank located midway between the R4-7 sign and finished grade on each post.
- Signage and striping has been determined by information available at the time of review. Prior to the initiation of any warranty period, the Town of Parker reserves the right to require modifications to existing, or installation of, additional signage and/or pavement marking if it is determined that conditions warrant such modification according to the MUTCD or the CDOT M and S Standards. All signage and striping shall fall under the requirements of the two-year warranty period for new construction. Additionally, all pavement markings shall not lift or peel during the first year after installation.
- Diamond grade material shall be used on all stop signs and overhead signs. All other roadside traffic control devices shall use high intensity grade sheeting. No fluorescent yellow green sheeting shall be used unless specifically approved by the Town of Parker.

- All street name signs shall be high intensity, extruded, green and white blades. Arterial and collector street name signs shall be 9 inch blades and have mixed case lettering. Local street name signs shall be 6 inches blades with mixed case lettering.
- All layouts for internally illuminated street name signs shall be submitted to the Town for review and approval prior to fabrication.
- All removed signs shall be returned to the Town of Parker.
- Crosswalks: Shall be constructed using preformed thermo-plastic or an approved equal.
 - Shall be Longitudinal 2 feet by 10 feet (Continental) type or other approved by the Town of Parker.
 - Shall line up with handicap ramps.
 - Shall be centered within lanes and placed on lane and curb lines so as to avoid vehicle wheel paths.
- All pavement marking material (including words and symbols) shall be as follows:

For Concrete Surface:
Long line markings (channelization lines, skips, etc.) shall be epoxy paint. Other paint may be used for temporary application only when approved by the Town of Parker.

Words, symbols, and crosswalks/stop bars shall be methyl-mythacralate, preformed thermoplastic (90 mil), preformed plastic (90 mil), inlayed tape (STAMARK), or as specified.

(Sand or water blast curing compound prior to installation of markings.)

For Asphalt Surface:
Long line markings (channelization lines, skips, etc.) shall be epoxy paint. Other paint may be used for temporary application only when approved by the Town of Parker.

Words, symbols, and crosswalks/stop bars shall be hot applied thermoplastic (90 mil), preformed plastic (90 mil), inlayed tape (STAMARK), Methyl-Mythacralate, or as specified.

- Inspection and approval of striping and crosswalk layout to be done by Town of Parker Development Review Engineer (call 303-840-9546) prior to application of final striping.

DEMOLITION NOTES:

- PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXIST. UTILITIES AND GRAVITY STORM AND SANITARY SEWER LINES TO DETERMINE THE ACCURACY OF SURVEY INFORMATION REFLECTED ON THESE DRAWINGS. ADDITIONALLY, THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF ALL CONNECTIONS RELATIVE TO THOSE SHOWN ON THESE DRAWINGS. IF DISCREPANCIES ARE DETERMINED CONTACT THE ENGINEER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXIST. UTILITIES WHICH CONFLICT WITH THE PROPOSED UTILITIES SHOWN ON THE PLANS.

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES, SUBJECT TO THESE PLANS BEING STAMPED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

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TOWN OF PARKER, DIRECTOR ENGINEERING _____ DATE _____

811 Know what's below. Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR HIS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY INJURIES OR DAMAGES TO THE WORK OR PERSONS ENGAGED IN THE WORK, OR ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

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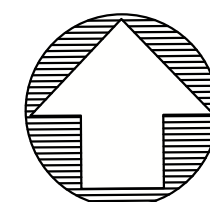
LOT 4A, PARKER POINTE SUBD. FILING NO. 1, AMEND. NO. 1
S. PARKER RD & STROH RD
PARKER
DOUGLAS COUNTY, COLORADO

BLACK ROCK COFFEE BAR
13135 DECLAN DRIVE
BLACK ROCK COFFEE BAR
TOWN GENERAL NOTES

DATE 2025-04-03

REVISIONS

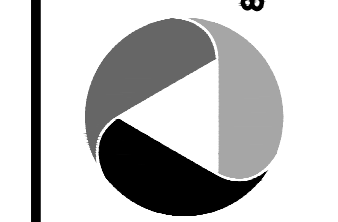
DRAWN BY: K. SARWAR
CHECKED BY: N. SALAZAR
PROJECT MANAGER: N. SALAZAR
JOB #: 24003198
FILE CODE: ##
SHEET NO. **C1.10**



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LOT 4A, PARKER POINT SUBD. FILING NO. 1, AMEND. NO. 1

BLACK ROCK COFFEE BAR
 13135 DECLAN DRIVE
 PARKER
 DOUGLAS COUNTY, COLORADO

DATE 2025-04-03

REVISIONS

DRAWN BY: K. SARWAR
 CHECKED BY: N. SALAZAR
 PROJECT MANAGER: N. SALAZAR
 JOB #: 24003198
 FILE CODE: ##
 SHEET NO.

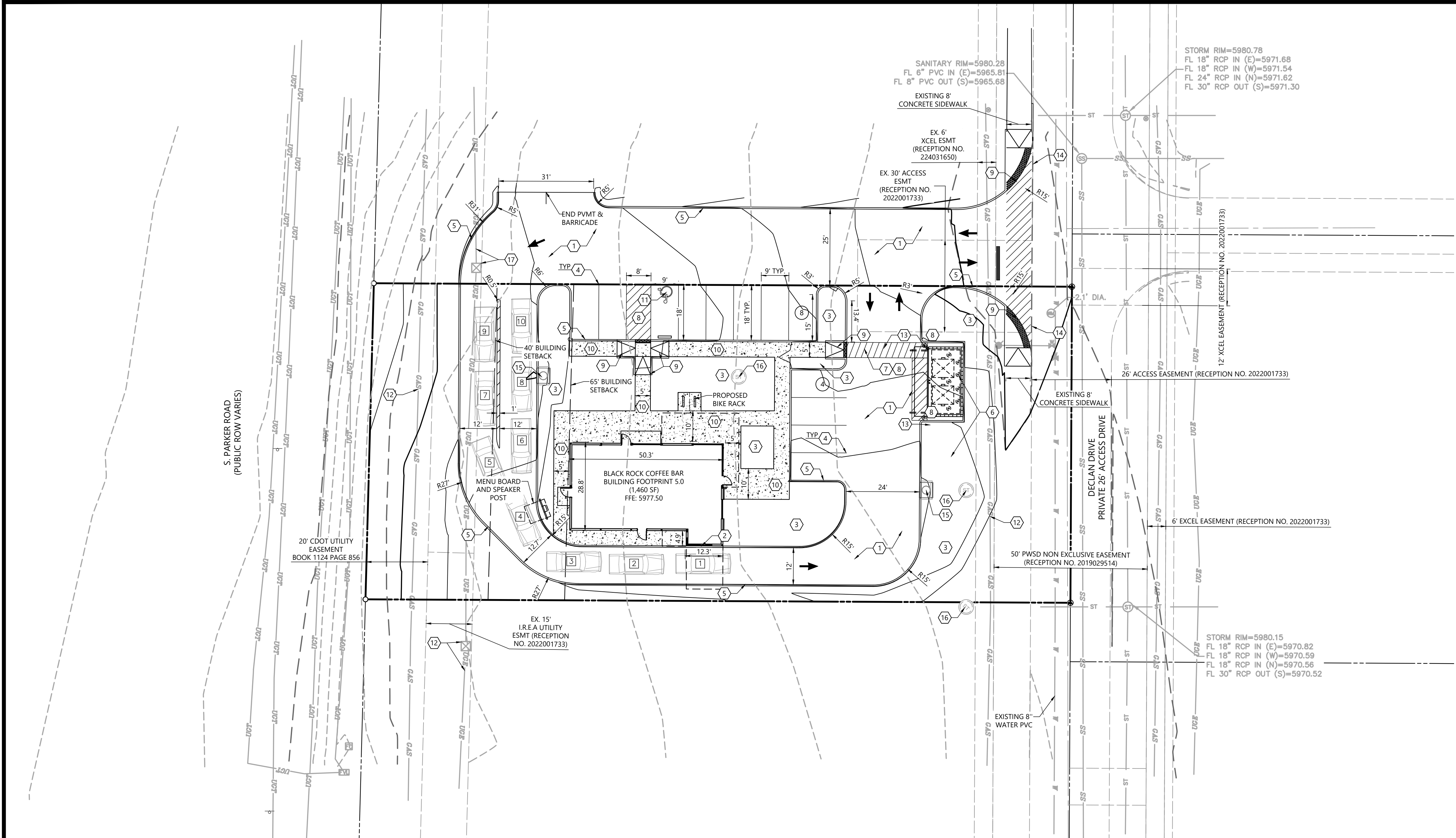
SCALE: 1"=20'
 TOWN OF PARKER, DIRECTOR ENGINEERING DATE

C2.00

SITE AREA	
TOTAL PROPERTY AREA:	0.60 AC. / 25,933 SF.
DISTURBED AREA:	0.67 AC. / 29,406 SF.
IMPERVIOUS AREA:	0.40 AC. / 17,639 SF.
PERVIOUS AREA:	0.19 AC. / 8,294 SF.
ZONING CLASSIFICATION	
JURISDICTION:	CITY OF PARKER
ZONING:	MIXED-USE COMMUNITY
ADJACENT ZONING:	PLANNED DEVELOPMENT
REQUIRED BUILDING SUMMARY	
MIN BUILDING SETBACK:	40'
MAX BUILDING SETBACK:	65'
LANDSCAPE SETBACK:	10' ADJACENT TO PUBLIC OR PRIVATE ROADWAY
REAR BUILDING SETBACK:	25'
BUILDING HEIGHT LIMIT:	35'
PROPOSED BUILDING SUMMARY	
PROPOSED BUILDING AREA:	1,460 SF
PROPOSED BUILDING SETBACK:	65'
REQUIRED PARKING SUMMARY	
PARKING REQUIREMENTS:	1 SPACE PER EACH 4 PERSONS OF RATED CAPACITY (EXCLUDING OUTDOOR SEATING)
TOTAL PARKING REQUIRED:	6 SPACES
CAR STACKING REQUIRED:	NO REQUIREMENTS; STACKING COUNTS TOWARDS PARKING REQUIREMENTS
BIKE SPACES REQUIREMENTS:	4 SPACES
PROPOSED PARKING SUMMARY	
PARKING PROVIDED:	22 SPACES (INCLUDING 1 ADA SPACE AND 10 STACKING SPACES)
TOTAL BIKE PARKING PROVIDED:	4 SPACES

SITE LEGEND

- EXISTING PROPERTY LINE
- EXISTING ROAD CENTERLINE
- EXISTING EASEMENT LINE
- 6" CURB
- HANDICAP STALL
- A.D.A. STD HANDICAP RAMP
- PARKING SPACE COUNT
- # OF STACKING



SITE GENERAL NOTES:

1. DIMENSIONS SHOWN ARE TO THE FACE OF CURB, UNLESS OTHERWISE INDICATED.
2. USE 3" RADIUS, UNLESS SHOWN OTHERWISE.
3. THE INFORMATION PERTAINING TO EXISTING CONDITIONS WAS TAKEN FROM A SURVEY PROVIDED BY: BARRON LAND. THE LOCATION OF ALL EXISTING UTILITIES WERE OBTAINED FROM AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND DEPTH OF UTILITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. ALL ACCESSIBLE PARKING SPACES AND TRAVEL ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH A.D.A. AND/OR STATE REQUIREMENTS.
5. ANY DISCREPANCIES IN THIS PLAN AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE OWNER AND ENGINEER PRIOR TO THE START OF CONSTRUCTION.
6. PRIOR TO STARTING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL ALL PERMITS HAVE BEEN RECEIVED.
7. CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKERS AND PUBLIC SHALL BE PROTECTED FROM INJURY, AND ADJOINING PROPERTY PROTECTED FROM DAMAGE. CONTRACTOR SHALL REPAIR ANY DAMAGE DONE TO PRIVATE OR PUBLIC PROPERTY.
8. ACCESS TO UTILITIES, FIRE HYDRANTS, ETC. SHALL REMAIN UNDISTURBED AT ALL TIMES, UNLESS COORDINATED OTHERWISE.
9. THE GENERAL CONTRACTOR SHALL REMOVE ALL TRASH AND DEBRIS FROM THE SITE UPON COMPLETION OF THE PROJECT.
10. ALL SUBGRADE PREPARATION, PAVING, AND UTILITY TRENCHING MUST BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SOILS INVESTIGATION. IF THERE IS A CONFLICT BETWEEN THE SOILS REPORT AND THE PLANS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE.
11. CONTRACTOR TO ENSURE COMPLIANCE WITH ANY AND ALL LAND DISTURBANCE NOTIFICATIONS REQUIREMENTS, AND THAT ALL REQUIRED EROSION CONTROL MEASURES ARE INSTALLED AND MAINTAINED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
12. FOR WORK IN, OR ADJACENT TO, STREET RIGHT OF WAYS, CONTRACTOR SHALL ENSURE APPROPRIATE PERMITS ARE OBTAINED PRIOR TO CONSTRUCTION. CONTRACTOR TO ERECT AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES IN CONFORMANCE WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
13. ALL PARKING LOT LIGHTING MUST BE INSTALLED AND OPERATE SO AS NOT TO PRODUCE GLARE OR CAST DIRECT ILLUMINATION ACROSS THE BOUNDING PROPERTY LINE. LOW PRESSURE SODIUM LIGHTING IS PROHIBITED. ALL LIGHTING FIXTURES MUST BE RESTRICTED TO DOWN-LIGHT OR CUT-OFF TYPES.

NOTE NUMBER

1. INSTALL 2" AC PAVEMENT OVER 10" ABC
2. PROPOSED PICK-UP WINDOW WITH COUNTER
3. PROPOSED LANDSCAPE
4. 4" WIDE PAINTED WHITE TRAFFIC STRIPE (SEE LENGTH THIS SHEET)
5. CONSTRUCT 6" SINGLE CURB
6. DUMPSTER ENCLOSURE
7. INSTALL ADA CROSSWALK
8. 4" WIDE PAINTED STRIPE @ 2" O.C. AND 45 DEGREES.
9. CONSTRUCT DIRECTIONAL CURB RAMP PER PARKER STANDARD DETAIL #18.
10. CONSTRUCT SIDEWALK PER PARKER STANDARD DETAIL #4
11. ADA PARKING STALL WITH ADA SYMBOL AND REQUIRED PAINT.
12. PROTECT EXISTING UTILITIES IN PLACE.
13. INSTALL 3" CONCRETE OVER 14" ABC
14. MATCH EXISTING ASPHALT ALONG DECLAN DRIVE PER PARKER STANDARD DETAIL #26
15. INSTALL 5" CURB INLET
16. PROPOSED STORM MANHOLE
17. EXITING UTILITIES TO BE RELOCATED

CORRESPONDING DETAIL NUMBER (SEE DETAIL SHEETS)

- C700
- SEE ARCHITECTURAL PLANS FOR DETAILS
- SEE LANDSCAPE PLANS FOR DETAILS
-
-
-
-
-
- C700
- C700
-
-
- C700
- C700
- C700
-

CALL UTILITY NOTIFICATION CENTER OF COLORADO
1-800-922-1987
 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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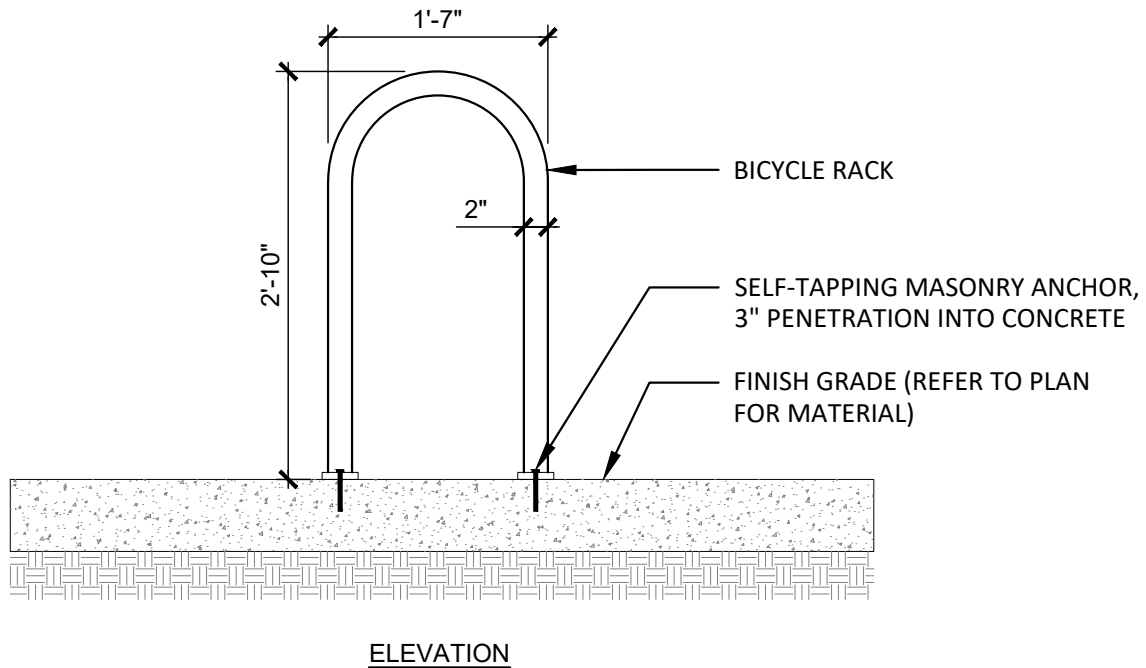
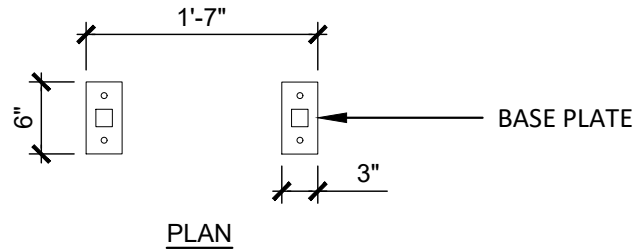
TOWN OF PARKER, DIRECTOR ENGINEERING DATE

CAD FILE: 24003198 - C20 SITE PLAN

TOWN OF PARKER STANDARD DETAILS

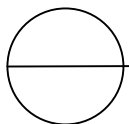


PARKER
COLORADO
Parks and Recreation



NOTES:

1. BASIS-OF-DESIGN: BIKE RACK (MADRAX U-200), SURFACE MOUNTED, COLOR: BLACK
2. FINAL LOCATION TO BE VERIFIED IN FIELD WITH OWNER AND DESIGN TEAM COORDINATE WITH OWNER ON EXACT LOCATION.
3. WHERE BICYCLE RACK SITS ON UNIT PAVING, MASONRY ANCHOR TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE FOOTING TO MIN. 3" DEPTH.



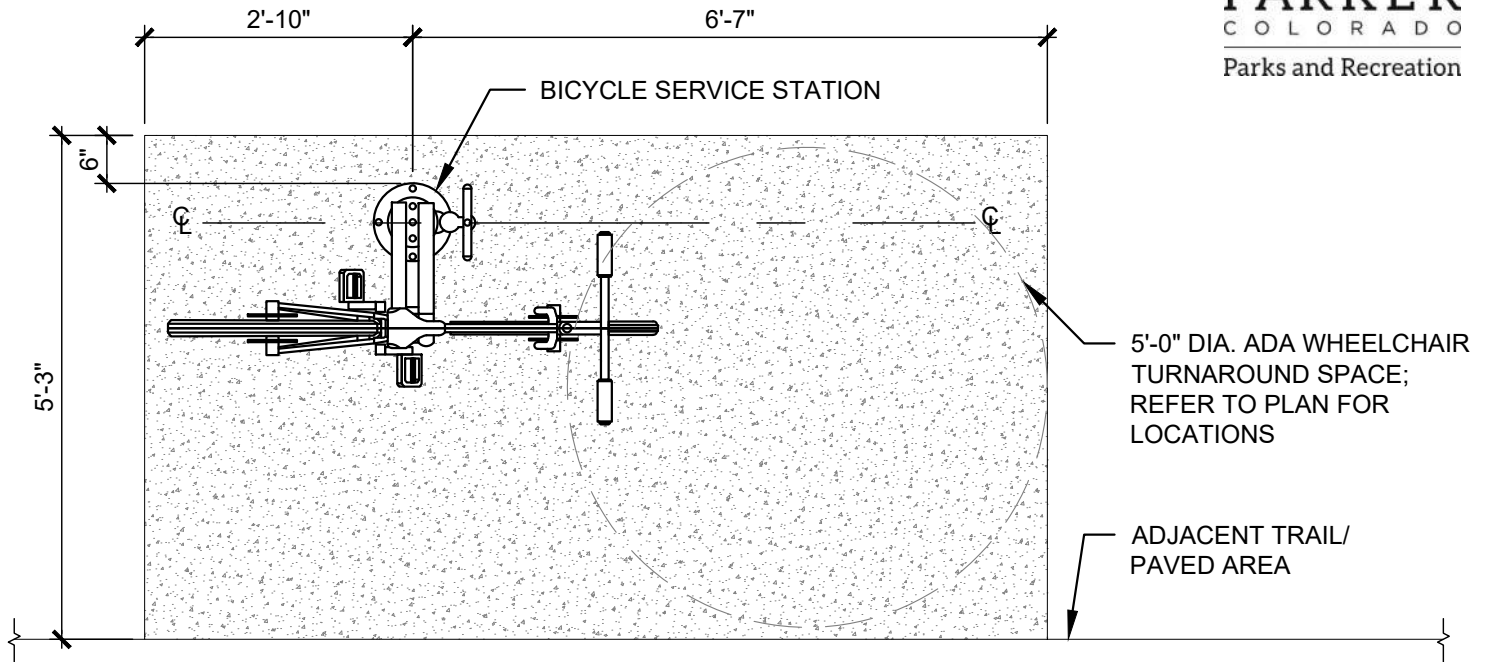
BICYCLE RACK

3/4" = 1'-0"

TOWN OF PARKER STANDARD DETAILS



PARKER
COLORADO
Parks and Recreation



PLAN

NOTES:

1. BASIS-OF-DESIGN:

FIXIT-H: SURFACE MOUNT, POWDER COATED, GREEN RAL 6016, COLOR: GREEN STYLE: FT CONFIGURATION: EPX

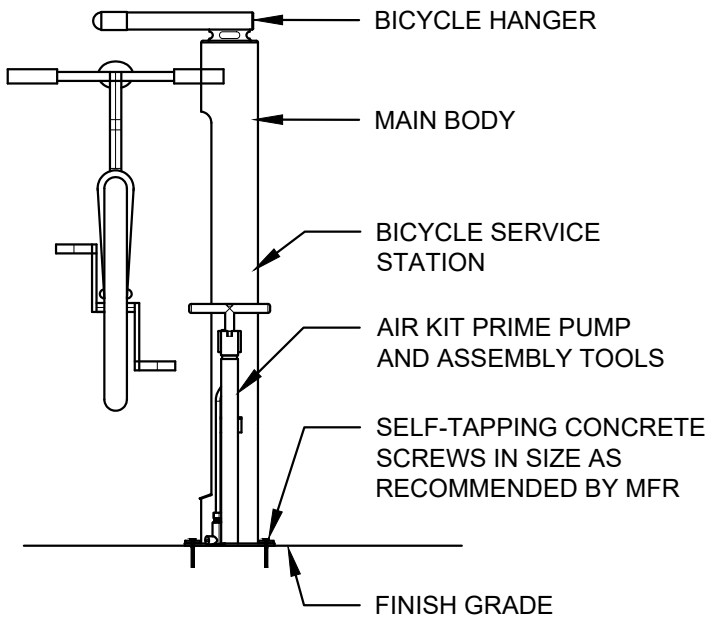
AIR KIT PRIME: FIXIT MOUNT, REV. B, POWDER COATED, GREEN RAL 6016 SIZE: FX REV B COLOR: GREEN CONFIGURATION: EPX

ASSEMBLY TOOLS: TAMPER-RESISTANT TOOLS FOR INSTALLATION AIR KIT PRIME FX, A SIZE: AK PR FX A.

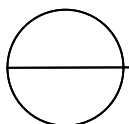
2. WHERE BICYCLE REPAIR STATION SITS ON UNIT PAVING, SELF-TAPPING CONCRETE SCREWS TO EXTEND THROUGH UNIT PAVING AND EMBED INTO C.I.P. CONCRETE FOOTING TO MIN. 3" DEPTH.

3. ADA COMPLIANT WHEELCHAIR ACCESS SHALL BE PROVIDED AS INDICATED ON THE PLANS. DETAIL PROVIDED FOR GENERAL INTENT AND CONFIGURATIONS MAY VARY BASED ON SITE CONDITIONS AND RELATIONSHIPS OF ADJACENT PAVING AND SITE PROGRAM.

4. PAD THICKNESS 4" PER PLANS AND FLATWORK DETAIL.

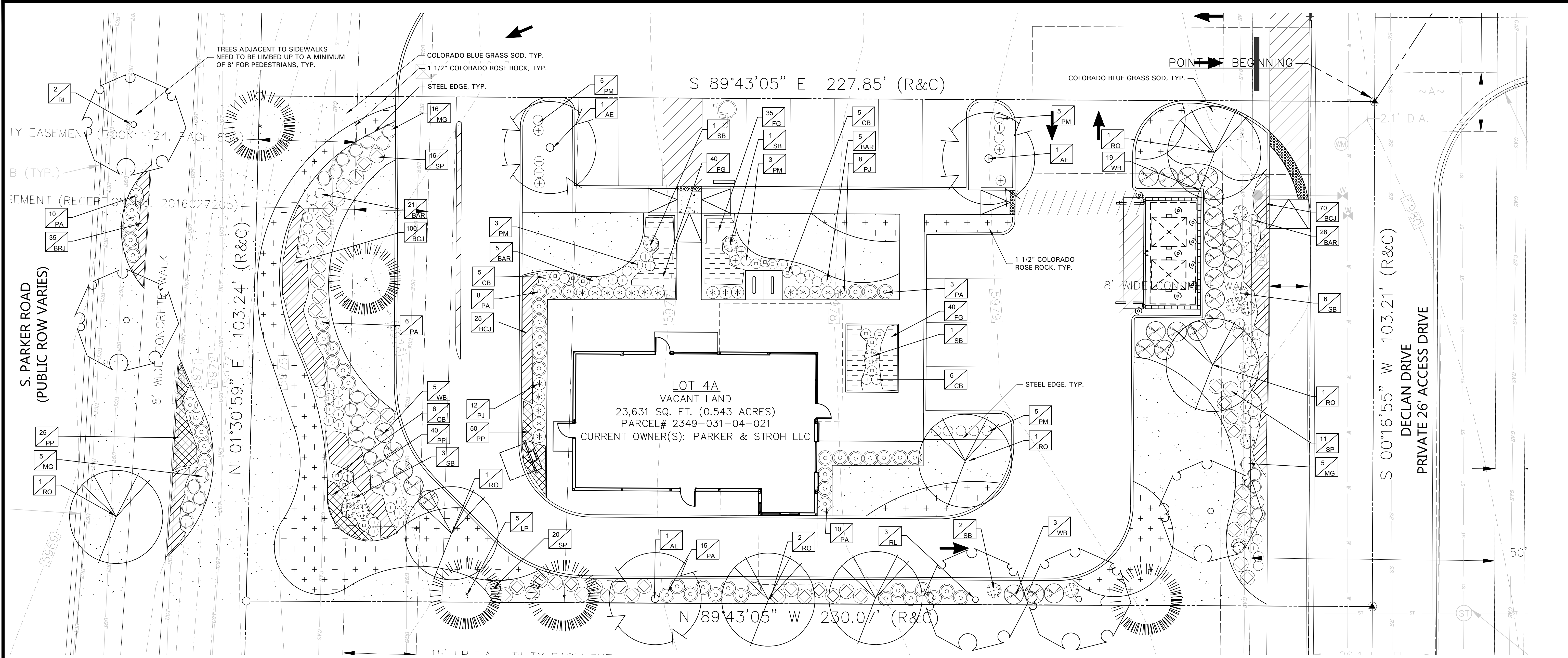


FRONT ELEVATION



BICYCLE SERVICE STATION

1/2" = 1'-0"



GENERAL LAWN NOTES

- CONTRACTOR SHALL COORDINATE OPERATIONS AND AVAILABILITY OF EXISTING TOPSOIL WITH ON-SITE CONSTRUCTION MANAGER.
- LAWN AREAS SHALL BE LEFT 1" BELOW FINAL FINISHED GRADE PRIOR TO TOPSOIL INSTALLATION.
- CONTRACTOR TO FIND GRADE AREAS TO ACHIEVE FINAL CONTOURS AS SHOWN ON CIVIL DRAWINGS. POSITIVE DRAINAGE SHALL BE PROVIDED AWAY FROM ALL BUILDINGS. ROUNDING AT TOP AND BOTTOM OF SLOPES SHALL BE PROVIDED AND IN OTHER AREAS IN GRADE. CORRECT AREAS WHERE STANDING WATER MAY OCCUR.
- ALL LAWN AREAS SHALL BE FINE GRADED, IRRIGATION TRENCHES COMPLETELY SETTLED AND FINISH GRADE APPROVED BY THE OWNER'S CONSTRUCTION MANAGER OR LANDSCAPE ARCHITECT PRIOR TO LAWN INSTALLATION.
- CONTRACTOR SHALL REMOVE ALL ROCKS 3/4" IN DIAMETER AND LARGER, REMOVE ALL DIRT CLOUDS, STICKS, CONCRETE SPOILS, TRASH ETC PRIOR TO PLACING TOPSOIL AND GRASS INSTALLATION.
- CONTRACTOR SHALL MAINTAIN ALL LAWN AREAS UNTIL FINAL ACCEPTANCE.
- CONTRACTOR SHALL GUARANTEE ESTABLISHMENT OF ACCEPTABLE TURF AREA AND SHALL PROVIDE REPLACEMENT IF NECESSARY.

SOLID SOD:

- SOLID SOD SHALL BE PLACED ALONG ALL IMPERVIOUS EDGES AT A MINIMUM THIS SHALL INCLUDE CURBS, WALKS, INLETS, MANHOLES AND PLANTING BED AREAS. SOD SHALL COVER OTHER AREAS COMPLETELY AS INDICATED BY PLAN.
- SOD SHALL BE STRONGLY ROOTED DROUGHT RESISTANT SOD, NOT LESS THAN 2 YEARS OLD, FREE OF WEEDS AND UNDESIRABLE NATIVE GRASS AND MACHINE CUT TO PAD THICKNESS OF 3/4" (+/- 1/4"), EXCLUDING TOP GROWTH AND THATCH.
- LAY SOD BY HAND TO COVER INDICATED AREAS COMPLETELY, ENSURING EDGES ARE TO JOINTS WITH TIGHTLY FITTING JOINTS, NO OVERLAPS WITH STAGGERED STRIPS TO OFFSET JOINTS.
- TOP DRESS JOINTS IN SOD BY HAND WITH TOPSOIL TO FILL VOIDS IF NECESSARY.
- SOD SHALL BE ROLLED TO CREATE A SMOOTH EVEN SURFACE. SOD SHOULD BE WATERED THOROUGHLY DURING INSTALLATION PROCESS.
- SHOULD INSTALLATION OCCUR BETWEEN OCTOBER 1ST AND MARCH 1ST, OVERSEED BERMUDAGRASS SOD WITH WINTER RYEGRASS AT A RATE OF 4 POUNDS PER 1000 S.F.

HYDROMULCH:

- SCARIFY AND LOOSEN ALL AREAS TO BE HYDROMULCHED TO A MINIMUM DEPTH OF 4" PRIOR TO TOPSOIL AND HYDROMULCH INSTALLATION.
- COLORADO BLUE GRASS SEED SHALL BE EXTRA HULLED, TREATED LAWN TYPE. SEED SHALL BE DELIVERED TO THE SITE IN ITS ORIGINAL UNOPENED CONTAINER AND SHALL MEET ALL STATE AND LOCAL LAW REQUIREMENTS.
- FIBER SHALL BE 100% WOOD CELLULOSE FIBER, DELIVERED TO THE SITE IN ITS ORIGINAL UNOPENED CONTAINER AS MANUFACTURED BY "CONNIEB" OR EQUAL.
- FIBER TACK SHALL BE DELIVERED TO THE SITE IN ITS UNOPENED CONTAINER AND SHALL BE "TERRO-TACK ONE", AS MANUFACTURED BY GROWERS, INC OR APPROVED EQUAL.
- HYDROMULCH WITH COLORADO BLUE GRASS SEED AT A RATE OF 2 POUNDS PER 1000 S.F.
- USE A BATTER BOARD AGAINST ALL BED AREAS TO PREVENT OVER SPRAY.
- IF INADEQUATE MOISTURE IS PRESENT IN SOIL, APPLY WATER AS NECESSARY FOR OPTIMUM MOISTURE FOR SEED APPLICATION.
- IF INSTALLATION OCCURS BETWEEN SEPTEMBER 1ST AND MAY 1ST, ALL HYDROMULCH AREAS SHALL BE OVER-SEED WITH WINTER RYE GRASS AT A RATE OF FOUR POUNDS PER ONE THOUSAND SQUARE FEET.
- CONTRACTOR SHALL BE REQUIRED TO RE-HYDROMULCH WITH COLORADO BLUE GRASS GRASS THE FOLLOWING GROWING SEASON AS PART OF THIS CONTRACT.
- AFTER APPLICATION, NO EQUIPMENT SHALL OPERATE OVER APPLIED AREAS. WATER SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO SATURATION.
- ALL LAWN AREAS TO BE HYDROMULCHED SHALL ACHIEVE 100% COVERAGE PRIOR TO FINAL ACCEPTANCE.

LANDSCAPE NOTES

- CONTRACTOR TO VERIFY AND LOCATE ALL PROPOSED AND EXISTING ELEMENTS, NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE FOR ANY LAYOUT DISCREPANCIES OR ANY CONDITIONS THAT WOULD PREVENT THE INSTALLATION AS SHOWN. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.

CONTRACTOR SHALL CALL 811 TO VERIFY AND LOCATE ANY AND ALL UTILITIES ON SITE PRIOR TO COMMENCING WORK. LANDSCAPE ARCHITECT SHOULD BE NOTIFIED OF ANY CONFLICTS. CONTRACTOR TO EXERCISE EXTREME CAUTION WHEN WORKING NEAR UNDERGROUND UTILITIES.

- A MINIMUM OF 2% SLOPE SHALL BE PROVIDED AWAY FROM ALL STRUCTURES.
- CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL FINISHED GRADE IN PLANTING AREAS AND 1" BELOW FINAL FINISHED GRADE IN LAWN AREAS.
- LANDSCAPE ISLANDS SHALL BE CROWNED, AND UNIFORM THROUGHOUT THE SITE.
- PLANTING AREAS AND SOD TO BE SEPARATED BY STEEL EDGING. NO STEEL EDGING SHALL BE INSTALLED ADJACENT TO BUILDINGS, WALKS OR CURBS. EDGING NOT TO BE MORE THAN 1/2" ABOVE FINISHED GRADE.
- EDGING SHALL BE CUT AT 45 DEGREE ANGLE WHERE IT INTERSECTS WALKS AND/OR CURBS.
- MULCH SHALL BE INSTALLED AT 1/2" BELOW THE TOPS OF SIDEWALKS AND CURBING.
- QUANTITIES ON THESE PLANS ARE FOR REFERENCE ONLY. THE SPACING OF PLANTS SHOULD BE AS INDICATED ON PLANS OR OTHERWISE NOTED. ALL TREES AND SHRUBS SHALL BE PLANTED PER DETAILS.
- CONTAINER GROWN PLANT MATERIAL IS PREFERRED HOWEVER BALL AND BURLAP PLANT MATERIAL CAN BE SUBSTITUTED IF NEEDED AND IS APPROPRIATE TO THE SIZE AND QUALITY INDICATED ON THE PLANT MATERIAL LIST.
- TREES SHALL BE PLANTED AT A MINIMUM OF 5' FROM ANY UTILITY LINE, SIDEWALK OR CURB. TREES SHALL ALSO BE 10' CLEAR FROM FIRE HYDRANTS.
- 4" OF SHREDDED HARDWOOD MULCH (2" SETTLED THICKNESS) SHALL BE PLACED OVER WEED BARRIER FABRIC. MULCH SHALL BE SHREDDED HARDWOOD MULCH OR APPROVED EQUAL. PINE STRAW MULCH IS PROHIBITED.
- WEED BARRIER FABRIC SHALL BE USED IN PLANT BEDS AND AROUND ALL TREES AND SHALL BE MINIM 1/4" WEED BARRIER OR APPROVED EQUAL.
- CONTRACTOR TO PROVIDE UNIT PRICINGS OF LANDSCAPE MATERIALS AND BE RESPONSIBLE FOR OBTAINING ALL LANDSCAPE AND IRRIGATION PERMITS.

IRRIGATION:

- ALL REQUIRED LANDSCAPE AREAS SHALL HAVE AN AUTOMATIC IRRIGATION SYSTEM WITH A FREEZE/RAIN SENSOR. SYSTEM SHALL ALSO HAVE AN ET WEATHER BASED CONTROLLER AND BE DESIGNED AND INSTALLED BY A LICENSED IRRIGATOR.

MAINTENANCE REQUIREMENTS:

- VEGETATION SHOULD BE INSPECTED REGULARLY TO ENSURE THAT PLANT MATERIAL IS ESTABLISHING PROPERLY AND REMAINS IN A HEALTHY GROWING CONDITION APPROPRIATE FOR THE SEASON. IF DAMAGED OR REMOVED, PLANTS MUST BE REPLACED BY A SIMILAR VARIETY AND SIZE.
- MOWING, TRIMMING, EDGING AND SUPERVISION OF WATER APPLICATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER OR OWNER'S REPRESENTATIVE ACCEPTS AND ASSUMES REGULAR MAINTENANCE.
- ALL LANDSCAPE AREAS SHOULD BE CLEANED AND KEPT FREE OF TRASH, DEBRIS, WEEDS AND OTHER MATERIAL.

MISCELLANEOUS MATERIALS:

- STEEL EDGING SHALL BE 3/4" X 4 X 16" DARK GREEN DURAEDGE STEEL LANDSCAPE EDGING UNLESS NOTED OTHERWISE ON PLANS/DETAILS.
- ROCK SHALL BE COLORADO ROSE ROCK, 1.5" IN DIAMETER. RIVER ROCK SHALL BE COMPACTED TO A MINIMUM OF 3" DEPTH OVER FILTER FABRIC.

PLANT SCHEDULE	
LABEL	COMMON NAME
DECIDUOUS TREES	
AE	Acotlade Elm
RL	Redmond Linden
RO	Northern Red Oak
EVERGREEN TREES	
LP	Lacebark Pine
DECIDUOUS SHRUBS	
BAR	Concord Barberry
CB	Chokeberry
SB	Spanish Gold Broom
SP	Snowmound Spirea
EVERGREEN SHRUBS	
PA	Panchito manzania
PJ	Pencil Point Juniper
PM	Pine, Mugo, Teeny
WB	Wichita Blue Juniper
ORNAMENTAL GRASSES	
FG	Fountain Grass
MG	Maiden Grass, Gold Bar
PERENNIAL	
PP	Pikes Peak Purple Penstemon
EVERGREEN GROUNDCOVER	
BCJ	Blue Chip Juniper
GROUNDCOVER	
	Colorado Blue Grass Sod
	1 1/2" Colorado Rose Rock

PLANS NOTED:

LANDSCAPE DESIGN FEATURES OF COMMERCIAL, MIXED-USE, INDUSTRIAL, AND MULTIPLE-FAMILY DEVELOPMENTS

- LANDSCAPE PLANTING MATERIALS SHALL GENERALLY BE LAYERED AGAINST A BUILDING OR EDGE TREATMENT FROM HIGH TO LOW IN HEIGHT SO THAT THE FULL CHARACTER OF THE PLANTS CAN BE APPRECIATED AND UTILIZED TO SHAPE EXTERIOR SPACES.
- TREE GRATES SHALL BE A MINIMUM OF FIVE (5) FEET BY EIGHT (8) FEET.
- UTILIZE LAWN AREAS ONLY WHERE ACTIVE RECREATION AND USAGE WILL OCCUR.
- PROVIDE A MINIMUM EIGHT (8) FOOT LANDSCAPE BUFFER BETWEEN PUBLIC WALKWAYS AND BUILDING EDGES EXCEPT AT BUILDING ENTRY AND EXIT POINTS.
- THE PLANTING STRIP BETWEEN THE BACK OF THE ROADWAY CURB AND THE SIDEWALK SHALL BE PLANTED WITH SHRUBS AND GROUNDCOVER OR LOW WATER USE TURF AND DESIGNED TO CREATE VISUAL INTEREST.
- THE SPACE BETWEEN THE PUBLIC REALM AND A BUILDING FACADE THAT DOES NOT HAVE AN ACTIVE USE SHALL BE DESIGNED WITH HIGHER STANDARDS OF LANDSCAPING AND STREETScape TO CREATE AN ATTRACTIVE BUILDING FRONT AND STREET EDGE.
- SELECT NATURAL PLANT MATERIALS THAT TRANSITION BETWEEN NATURAL OPEN SPACES AND THE INTERNAL PROJECT LANDSCAPE MATERIAL.
- UTILIZE LANDSCAPING TO LOGICALLY SHAPE SPACES THAT CREATE AND FACILITATE CIRCULATION PATHS IN LOGICAL AND INTUITIVE PATTERNS USE LANDSCAPING TO HELP GUIDE PEOPLE TO BUILDING ENTRY POINTS THROUGH HIGHER CONCENTRATION OF LANDSCAPE MATERIAL.

NO CHANGE TO THE APPROVED LANDSCAPE AND STREETScape PLAN MAY OCCUR WITHOUT PRIOR APPROVAL FROM THE TOWN AND THE WATER SANITATION DISTRICT

GRAPHIC SCALE

Scale 1"=10' - 0"

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

AMANDA W. RICHARDSON
1484
12/08/2020
Original Date of Licensure
STATE OF COLORADO
LICENSED LANDSCAPE ARCHITECT

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REVISIONS

NO.	DATE	DESCRIPTION
1	2025-02-24	

TOWN OF PARKER, DIRECTOR ENGINEERING DATE

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLANS, SPECIAL REVIEWS, GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE APPROVED AND ON FILE WITH THE TOWN OF PARKER.

DRAWN BY: K. SARWAR
CHECKED BY: N. SALAZAR
PROJECT MANAGER: N. SALAZAR
JOB #: 24003198
FILE CODE: ##
SHEET NO: L1.01

811
Know what's Below. Call before you dig.
THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN BY AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND ASSUME FULL RESPONSIBILITY FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE:
CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE RESPONSIBLE FOR ANY PERSONS ENGAGED IN THE WORK OF ANY MAJOR STRUCTURE, OR OF ANY OTHER PERSONS.

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BLACK ROCK COFFEE BAR

13135 DECLAN DRIVE

PARKER

DOUGLAS COUNTY, COLORADO

LANDSCAPE PLAN

DATE: 2025-02-24

SECTION 32 9300 - LANDSCAPE

PART 1 - GENERAL

1.1 QUALIFICATIONS OF THE LANDSCAPE CONTRACTOR

A. ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING

1.2 REFERENCE DOCUMENTS

A. REFER TO LANDSCAPE PLANS, NOTES, SCHEDULES AND DETAILS FOR ADDITIONAL REQUIREMENTS

1.3 SCOPE OF WORK / DESCRIPTION OF WORK

A. WORK COVERED BY THESE SECTIONS INCLUDES: FURNISH ALL SUPERVISORS, LABOR, MATERIALS, SERVICES, EQUIPMENT AND APPLIANCES REQUIRED TO COMPLETE THE WORK COVERED IN CONJUNCTION WITH THE LANDSCAPING COVERED IN LANDSCAPE PLANS AND SPECIFICATIONS INCLUDING:

1. PLANTING (TREES, SHRUBS, GRASSES)
1. BED PREP AND FERTILIZATION
3. NOTIFICATION OF SOURCES
4. WATER AND MAINTENANCE UNTIL ACCEPTANCE

B. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTION AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.

C. THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK

1.4 REFERENCES

- A. AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY AMERICAN ASSOCIATION OF NURSERYMEN 1980 EDITION; BY AMERICAN NATIONAL STANDARDS INSTITUTE (2001) - PLANT MATERIAL
- B. AMERICAN JOINT COMMITTEE ON HORTICULTURE NOMENCLATURE: 1942 EDITION OF STANDARDIZED PLANT NAMES.
- C. TEXAS ASSOCIATION OF NURSERYMEN, GRADES AND STANDARDS

1.5 SUBMITTALS

- A. PROVIDE REPRESENTATIVE QUANTITIES OF EACH SOIL, MULCH, BED MIX, GRAVEL AND STONE BEFORE INSTALLATION. SAMPLES TO BE APPROVED BY OWNERS REPRESENTATIVE BEFORE USE.
- B. SOIL AMENDMENTS AND FERTILIZERS SHOULD BE RESEARCHED AND BASED ON THE SOILS IN THE AREA.
- C. BEFORE INSTALLATION, SUBMIT DOCUMENTATION THAT PLANT MATERIALS ARE AVAILABLE AND HAVE BEEN RESERVED. FOR ANY PLANT MATERIAL NOT AVAILABLE, SUBMIT REQUEST FOR SUBSTITUTION.

1.6 JOB CONDITIONS, DELIVERY, STORAGE AND HANDLING

- A. GENERAL CONTRACTOR TO COMPLETE WORK BEFORE LANDSCAPE CONTRACTOR TO COMMENCE.
- B. ALL PLANTING BED AREAS SHALL BE LEFT THREE INCHES BELOW FINAL GRADE OF SIDEWALKS, DRIVES AND CURBS. ALL AREAS TO RECEIVE SOIL SHOULD BE LEFT ONE INCH BELOW THE FINAL GRADE OF WALKS, DRIVES AND CURBS. CONSTRUCTION DEBRIS SHALL BE REMOVED PRIOR TO LANDSCAPE CONTRACTOR BEGINNING WORK ON TREES AND PLANTS.
- C. STORAGE OF MATERIALS AND EQUIPMENT AT THE JOB SITE WILL BE AT THE RISK OF THE LANDSCAPE CONTRACTOR. THE OWNER CANNOT BE HELD RESPONSIBLE FOR THEFT OR DAMAGE.

1.7 SEQUENCING

- A. INSTALL TREES, SHRUBS, AND LINER STOCK PLANT MATERIALS PRIOR TO INSTALLATION OF LAWN/SOD/SOD.
- B. WHERE EXISTING TURF AREAS ARE BEING CONVERTED TO PLANTING BEDS, THE TURF SHALL BE CHEMICALLY EDGATED TO MINIMIZE RE-GROWTH IN THE FUTURE. AREAS SHALL BE PROPERLY PREPARED WITH AMENDED ORGANIC MATTER.

1.8 MAINTENANCE AND GUARANTEE

MAINTENANCE:

- A. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK FROM THE TIME OF PLANTING UNTIL FINAL ACCEPTANCE BY OWNER.
- B. NO TREES, GRASS, GROUND COVER OR GRASS WILL BE ACCEPTED UNLESS THEY SHOW HEALTHY GROWTH AND SATISFACTORY FOLIAGE CONDITIONS.
- C. MAINTENANCE SHALL INCLUDE WATERING OF TREES AND PLANTS, CULTIVATING, WEED SPRAYING, EDGING, PRUNING OF TREES, MOVING OF GRASS, CLEANING UP AND ALL OTHER WORK NECESSARY FOR MAINTENANCE.
- D. A WRITTEN NOTICE REQUESTING FINAL INSPECTION AND ACCEPTANCE SHOULD BE SUBMITTED TO THE OWNER AT LEAST 7 DAYS PRIOR TO COMPLETION. ON ON SITE INSPECTION BY THE OWNERS AUTHORIZED REPRESENTATIVE WILL BE COMPLETED PRIOR TO WRITTEN ACCEPTANCE.
- E. NOTIFY OWNER OR OWNERS REPRESENTATIVE SEVEN DAYS PRIOR TO THE EXPIRATION OF THE WARRANTY PERIOD.
- F. REMOVE DEAD, UNHEALTHY AND UNSIGHTLY PLANTS DURING WARRANTY PERIOD.
- G. REMOVE GUYING AND STAKING MATERIALS AFTER ONE YEAR.
- H. ALL LANDSCAPE MUST BE MAINTAINED AND GRASS MOWED/EDGED ON A WEEKLY SCHEDULE UNTIL ACCEPTANCE BY OWNER. REMOVE CLIPPINGS AND DEBRIS FROM SITE PROMPTLY.
- I. REMOVE TRASH, DEBRIS, AND LITTER. WATER, PRUNE, RESTAKE TREES, FERTILIZE, WEED AND APPLY HERBICIDES AND FUNGICIDES AS REQUIRED.
- J. COORDINATE THE OPERATION OF IRRIGATION SYSTEM TO ENSURE THAT PLANTS ARE ADEQUATELY WATERED. HAND WATER AREAS NOT RECEIVING ADEQUATE WATER FROM AN IRRIGATION SYSTEM.
- K. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN ACCORDANCE TO THE MAINTENANCE SERVICE TO ENSURE THE SYSTEM IS IN PROPER WORKING ORDER WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
- L. REAPPLY MULCH TO BARE AND THIN AREAS.
- M. SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
- N. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
 - a. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
 - b. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
 - c. SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.

GUARANTEE:

- A. TREES, SHRUBS, GROUND COVER SHALL BE GUARANTEED (IN WRITING) FOR A 12 MONTH PERIOD (90 DAYS FOR ANNUAL PLANTING OR AT THE END OF THE SEASONAL COLOR GROWING SEASON, WHICHEVER COMES SOONER) AFTER FINAL ACCEPTANCE. THE CONTRACTOR SHALL REPLACE ALL DEAD MATERIALS AS SOON AS WEATHER PERMITS AND UPON NOTIFICATION OF THE OWNER.
- B. PLANTS INCLUDING TREES, WHICH HAVE PARTIALLY DIED SO THAT SHAPE, SIZE OR SYMMETRY HAVE BEEN DAMAGED SHALL BE CONSIDERED SUBJECT TO REPLACEMENT. IN SUCH CASES, THE OPINION OF THE OWNER SHALL BE FINAL.
- C. PLANTS USED FOR REPLACEMENT SHALL BE OF THE SAME SIZE AND KIND AS THOSE ORIGINALLY PLANTED OR PROVIDED. ALL WORK INCLUDING MATERIALS, LABOR AND EQUIPMENT USED IN REPLACEMENTS SHALL CARRY A 12 MONTH GUARANTEE. ANY DAMAGE INCLUDING RUTS IN LAWN OR BED AREAS INCURRED AS A RESULT OF MAKING REPLACEMENTS SHALL BE IMMEDIATELY REPAIRED.
- D. WHEN PLANT REPLACEMENTS ARE MADE, PLANTS, SOIL MIX, FERTILIZER AND MULCH ARE TO BE UTILIZED AS ORIGINALLY SPECIFIED AND RE-INSPECTED FOR FULL COMPLIANCE WITH THE CONTRACT REQUIREMENTS. ALL REPLACEMENTS ARE INCLUDED UNDER "WORK" OF THIS SECTION.
- E. THE OWNER AGREES THAT FOR THE ONE YEAR WARRANTY PERIOD TO BE EFFECTIVE, HE WILL WATER PLANTS AT LEAST TWICE A WEEK DURING DRY PERIODS.
- F. THE ABOVE GUARANTEE SHALL NOT APPLY WHERE PLANTS DIE AFTER ACCEPTANCE BECAUSE OF DAMAGE DUE TO ACTS OF GOD, VANDALISM, INSECTS, DISEASE, INJURY BY HUMANS, MACHINES, THEFT OR NEGLIGENCE BY OWNER.
- G. ACCEPTANCE FOR ALL LANDSCAPE WORK SHALL BE GIVEN AFTER FINAL INSPECTION BY THE OWNER PROVIDED THE JOB IS IN A COMPLETE UNDAMAGED CONDITION AND THERE IS A STAND OF GRASS IN ALL LAWN AREAS. AT THAT TIME, THE OWNER WILL ASSUME MAINTENANCE ON THE ACCEPTED WORK.

1.9 QUALITY ASSURANCE

- A. COMPLY WITH ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK.
- B. EMPLOY PERSONNEL EXPERIENCED AND FAMILIAR WITH THE REQUIRED WORK AND SUPERVISION BY A FOREMAN.
- C. MAKE CONTACT WITH SUPPLIERS IMMEDIATELY UPON OBTAINING NOTICE

OF CONTRACT ACCEPTANCE TO SELECT AND BOOK MATERIALS.

D. DEVELOP A PROGRAM OF MAINTENANCE (PRUNING AND FERTILIZATION) WHICH WILL ENSURE THE PURCHASED MATERIALS WILL MEET AND/OR EXCEED PROJECT SPECIFICATIONS.

- E. DO NOT MAKE PLANT MATERIAL SUBSTITUTIONS IF THE LANDSCAPE MATERIAL SPECIFIED IS NOT READILY AVAILABLE, SUBMIT PROOF TO LANDSCAPE ARCHITECT ALONG WITH THE PROPOSED MATERIAL TO BE USED IN LEVY OF THE SPECIFIED PLANT.
- F. AT THE TIME BIDS ARE SUBMITTED, THE CONTRACTOR IS ASSUMED TO HAVE LOCATED THE MATERIALS NECESSARY TO COMPLETE THE JOB AS SPECIFIED.
- G. OWNERS REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AND RETAINS THE RIGHT TO INSPECT MATERIALS UPON ARRIVAL TO THE SITE AND DURING INSTALLATION. THE OWNERS REPRESENTATIVE MAY ALSO REJECT ANY MATERIALS HE/SHE FEELS TO BE UNSATISFACTORY OR DEFECTIVE DURING THE WORK PROCESS. ALL PLANTS DAMAGED IN TRANSIT OR AT THE JOB SITE SHALL BE REPLACED.

1.10 PRODUCT DELIVERY, STORAGE AND HANDLING

- A. PREPARATION
 1. BALLED AND BURLAPPED 888 PLANTS; DIO AND PREPARE SHIPMENT IN A MANNER THAT WILL NOT DAMAGE ROOTS, BRANCHES, SHAPE AND FUTURE DEVELOPMENT.
 2. CONTAINER GROWN PLANTS: DELIVER PLANTS IN RIGID CONTAINER TO HOLD BALL SHAPE AND PROTECT ROOT MASS.
- B. DELIVERY
 1. DELIVER PACKAGED MATERIALS IN SEALED CONTAINERS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER. PROTECT MATERIALS FROM DEFORMATION DURING DELIVERY AND WHILE STORED ON SITE.
 2. DELIVER ONLY PLANT MATERIALS THAT CAN BE PLANTED IN ONE DAY UNLESS ADEQUATE STORAGE AND WATERING FACILITIES ARE AVAILABLE ON SITE.
 3. PROTECT ROOT BALLS BY HEELING IN WITH SAWDUST OR OTHER APPROVED MOISTURE RETAINING MATERIAL IF NOT PLANTED WITHIN 24 HOURS OF DELIVERY.
 4. PROTECT PLANTS DURING DELIVERY TO PREVENT DAMAGE TO ROOT AND BALL OR DESTRUCTION OF LEAVES.
 5. KEEP PLANTS MOIST AT ALL TIMES. COVER ALL MATERIALS DURING TRANSPORT.
 6. NOTIFY OWNERS REPRESENTATIVE OF DELIVERY 72 HOURS PRIOR TO DELIVERY OF PLANT MATERIAL AT JOB SITE.
 7. REMOVE REJECTED PLANT MATERIAL IMMEDIATELY FROM JOB SITE.
 8. TO AVOID DAMAGE OR STRESS, DO NOT LIFT, MOVE, ADJUST TO PLUMBS, OR OTHERWISE MANIPULATE PLANTS BY TRUNK OR STEMS.

PART 2 - PRODUCTS

2.1 PLANT MATERIALS

- A. GENERAL: WELL FORMED NO. 1 GRADE OR BETTER NURSERY GROWN STOCK LISTED PLANT HEIGHTS ARE FROM TOPS OF FOOT BALLS TO NOMINAL TOPS OF PLANTS. PLANT SPREAD REFERS TO NOMINAL OUTER WIDTH OF THE PLANT NOT THE OUTER LEAF TIPS. PLANTS SHALL BE INDIVIDUALLY APPROVED BY THE OWNERS REPRESENTATIVE AND THEIR DECISION AS TO THEIR ACCEPTABILITY SHALL BE FINAL.
- B. QUANTITIES: THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. ANYTHING CALLED FOR ON ONE AND NOT THE OTHER IS BIDDING AS IF SHOWN AND CALLED FOR ON BOTH. THE PLANT SCHEDULE IS AN AID TO BIDDERS ONLY. CONFIRM ALL QUANTITIES ON PLAN.
- C. QUANTITIES AND SIZE: PLANT MATERIALS SHALL CONFORM TO THE SIZE GIVEN ON THE PLAN AND SHALL BE HEALTHY, WELL SHAPED, FULL BRANCHED AND WELL ROOTED. SYMMETRY IS ALSO IMPERATIVE. PLANTS SHALL BE FREE FROM INSECTS, INJURY, DISEASE, BROKEN BRANCHES, DISFIGUREMENTS, INSECT EGGS AND ARE TO BE OF SPECIMEN QUALITY.
- D. APPROVAL: ALL PLANTS WHICH ARE FOUND UNSUITABLE IN GROWTH OR ARE UNHEALTHY, BADLY SHAPED OR UNDERSIZED WILL BE REJECTED BY THE OWNERS REPRESENTATIVE EITHER BEFORE OR AFTER PLANTING AND SHALL BE REMOVED AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR AND REPLACED WITH ACCEPTABLE SPECIMENS.
- E. TREES SHALL BE HEALTHY, FULL BRANCHED, WELL SHAPED AND SHALL MEET THE MINIMUM REQUIREMENTS AS SPECIFIED ON THE PLANT SCHEDULE. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE IF POSSIBLE, AND WITH SIMILAR CLIMATIC CONDITIONS.
- F. PRUNING: ALL PRUNING OF TREES AND SHRUBS SHALL BE EXECUTED BY THE LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, PRIOR TO FINAL ACCEPTANCE.
- G. PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED EXCEPT THE PLANTS LARGER THAN THOSE SPECIFIED MAY BE USED. USE OF LARGER PLANTS SHALL NOT INCREASE THE CONTRACT PRICE.
- H. WHERE MATERIALS ARE PLANTED IN MASSES, PROVIDE PLANTS OF UNIFORM SIZE.
- I. ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCODING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DISEASES (SUCH AS SHAPED ROOTS).
- J. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
- K. TREE TRUNKS TO BE STURDY, EXHIBIT HARDENED SYSTEMS AND VIGOROUS AND FIBROUS ROOT SYSTEMS, NOT ROOT OR POT BOUND.
- L. TREES WITH DAMAGED OR CROOKED LEADERS, BARK ABRASIONS, SUNSCAL, DISFIGURING KNOTS, OR INSECT DAMAGE WILL BE REJECTED.
- M. CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE OR TRUNK UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
- N. MULTITRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL.
- O. ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- P. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.

2.2 SOIL PREPARATION MATERIALS

- A. SANDY LOAM:
 1. FRABLE, FERTILE, DARK, LOAMY SOIL, FREE OF CLAY LUMPS, SUBSOIL, STONES AND OTHER EXTRANEIOUS MATERIAL AND REASONABLY FREE OF WEEDS AND FOREIGN GRASSES. LOAM CONTAINING DALLAS GRASSES OR NUTGRASS SHALL BE REJECTED.
 2. PHYSICAL PROPERTIES AS FOLLOWS:
 - a. CLAY - BETWEEN 7-27%
 - b. SILT - BETWEEN 15-25%
 - c. SAND - LESS THAN 52%
 3. ORGANIC MATTER SHALL BE 3%-10% OF TOTAL DRY WEIGHT.
 4. IF REQUESTED, LANDSCAPE CONTRACTOR SHALL PROVIDE A CERTIFIED SOIL ANALYSIS CONDUCTED BY AN APPROVED SOIL TESTING LABORATORY VERIFYING THAT SANDY LOAM MEETS THE ABOVE REQUIREMENTS.
- B. ORGANIC MATERIAL: COMPOST WITH A MIXTURE OF 80% VEGETATIVE MATTER AND 20% ANIMAL WASTE. INGREDIENTS SHOULD BE A MIX OF COARSE AND FINE TEXTURED MATERIAL.
- C. PREMIXED BEDDING SOIL AS SUPPLIED BY VITAL EARTH RESOURCES, GLADWATER, TEXAS; PROFESSIONAL BEDDING SOIL AS SUPPLIED BY LIVING EARTH TECHNOLOGY, DALLAS, TEXAS; OR ACID GRO MUNICIPAL MIX AS SUPPLIED BY SOIL BUILDING SYSTEMS, DALLAS, TEXAS OR APPROVED EQUAL.
- D. SHARP SAND: SHARP SAND MUST BE FREE OF SEEDS, SOIL PARTICLES AND WEEDS.
- E. MULCH: DOUBLE SHREDDED HARDWOOD MULCH, PARTIALLY DECOMPOSED, DARK BROWN.
- F. ORGANIC FERTILIZER: FERTILIZED, SUSTANE, OR GREEN SEEN OR EQUAL AS RECOMMENDED FOR REQUIRED APPLICATIONS. FERTILIZER SHALL BE DELIVERED TO THE SITE IN ORIGINAL UNOPENED CONTAINERS, EACH BEARING THE MANUFACTURER'S GUARANTEED STATEMENT OF ANALYSIS.
- G. COMMERCIAL FERTILIZER: 10-20-10 OR SIMILAR ANALYSIS. NITROGEN AND MULCH ARE TO BE UTILIZED AS ORIGINALLY SPECIFIED AND RE-INSPECTED FOR FULL COMPLIANCE WITH THE CONTRACT REQUIREMENTS. ALL REPLACEMENTS ARE INCLUDED UNDER "WORK" OF THIS SECTION.
- H. PEAT: COMMERCIAL SPHAGNUM PEAT MOSS OR PARTIALLY DECOMPOSED SHREDDED PINE BARK OR OTHER APPROVED ORGANIC MATERIAL.

2.3 MISCELLANEOUS MATERIALS

- A. STEEL EDGING - SHALL BE 3/16" X 4" X 16" DARK GREEN LANDSCAPE EDGING, DURAEDEGE STEEL OR APPROVED EQUAL.
- B. TREE STAKING - TREE STAKING SOLUTIONS OR APPROVED SUBSTITUTE; REFER TO DETAILS.
- C. FILTER FABRIC - MIRAFI 1405 BY MIRAFI INC. OR APPROVED SUBSTITUTE. AVAILABLE AT LONE STAR PRODUCTS, INC. (469-523-0444)
- D. SAND - UNIFORMLY GRADED, WASHED, CLEAN, BAKED RUN SAND.
- E. GRAVEL: WASHED NATIVE PEA GRAVEL GRADED 1" TO 1 1/2"
- F. DECOMPOSED GRANITE - BASE MATERIAL OF NATURAL MATERIAL MIX OF GRANITE AGGREGATE NOT TO EXCEED 1 1/8" IN DIAMETER COMPOSED OF VARIOUS STAGES OF DECOMPOSED SAND.
- G. ROCK - LOCALLY AVAILABLE NATIVE ROCK 1.5" IN DIAMETER.
- H. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT

HERBICIDES SHALL BE APPLIED PER THE MANUFACTURERS LABELED RATES.

PART 3 - EXECUTION

3.1 PREPARATION

- A. LANDSCAPE CONTRACTOR TO INSPECT ALL EXISTING CONDITIONS AND REPORT ANY DEFICIENCIES TO THE OWNER.
- B. ALL PLANTING AREAS SHALL BE CONDITIONED AS FOLLOWS:
 1. PREPARE NEW PLANTING BEDS BY SCRAPING AWAY EXISTING GRASS AND WEEDS AS NECESSARY. TILL EXISTING SOIL TO A DEPTH OF SIX (6") INCHES PRIOR TO PLACING COMPOST AND FERTILIZER. APPLY FERTILIZER AS PER MANUFACTURER'S RECOMMENDATIONS TO ADD SIX (6") INCHES OF COMPOST AND TILL INTO A DEPTH OF SIX (6") INCHES OF SPECIFIED MULCH (SETTLED THICKNESS).
 2. BACKFILL FOR TREE PITS SHALL BE AS FOLLOWS: USE EXISTING TOP SOIL ON SITE (USE IMPORTED TOPSOIL AS NEEDED) FREE FROM LARGE CLUMPS, ROCKS, DEBRIS, CALICHE, SUBSOILS, ETC., PLACED IN NINE (9") INCH LAYERS AND WATERED IN THOROUGHLY.
- C. GRASS AREAS:
 1. BLOCKS OF SOD SHOULD BE LAID JOINT TO JOINT (STAGGERED JOINTS) AFTER FERTILIZING THE GROUND FIRST. ROLL GRASS AREAS TO ACHIEVE A SMOOTH, EVEN SURFACE. THE JOINTS BETWEEN THE BLOCKS OF SOD SHOULD BE FILLED WITH TOPSOIL WHERE THEY ARE GAPPED OPEN, THEN WATERED THOROUGHLY.

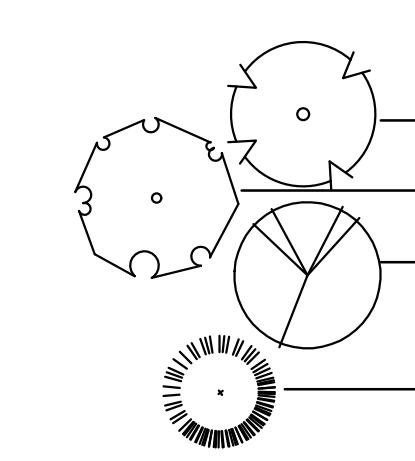
3.2 INSTALLATION

- A. MAINTENANCE OF PLANT MATERIALS SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS DELIVERED TO THE SITE AND SHALL CONTINUE UNTIL THE CONTRACTOR'S CONSTRUCTION IS SUBSTANTIALLY ACCOMPLISHED.
- B. PLANT MATERIALS SHALL BE DELIVERED TO THE SITE ONLY AFTER THE BEDS ARE PREPARED AND AREAS ARE READY FOR PLANTING. ALL SHIPMENTS OF NURSERY MATERIALS SHALL BE THOROUGHLY PROTECTED FROM THE WINDS DURING TRANSPORT. ALL PLANTS WHICH CANNOT BE PLANTED AT ONCE, AFTER DELIVERY TO THE SITE, SHALL BE WELL PROTECTED AGAINST THE POSSIBILITY OF DRYING BY WIND AND BALLS OF EARTH OR DESTRUCTION OF LEAVES.
- C. POSITION THE TREES AND SHRUBS IN THEIR INTENDED LOCATION AS PER PLAN.
- D. NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE FOR INSPECTION AND APPROVAL OF ALL POSITIONING OF PLANT MATERIALS.
- E. EXCAVATE PITS WITH VERTICAL SIDES AND HORIZONTAL BOTTOM. TREE PITS SHALL BE LARGE ENOUGH TO PERMIT HANDLING AND PLANTING WITHOUT INJURY TO BALLS OF EARTH OR ROOTS AND SHALL BE OF SUCH DEPTH THAT WHEN PLANTED AND SETTLED, THE CROWN OF THE PLANT SHALL BEAR THE SAME RELATIONSHIP TO THE FINISH GRADE AS IT DID TO SOIL SURFACE IN ORIGINAL PLACE OF GROWTH. THE SIDES OF THE HOLE SHOULD BE ROUGH AND JAGGED, NEVER SMOOTH OR GLAZED.
- F. SHRUB AND TREE PITS SHALL BE NO LESS THAN TWENTY-FOUR (24") INCHES WIDE. THE LATERAL DIMENSION OF THE EARTH BALL AND SIX (6") INCHES DEEPER THAN IT'S VERTICAL DIMENSION. REMOVE AND HAUL FROM SITE ALL ROCKS AND STONES OVER THREE-QUARTER (3/4") INCH IN DIAMETER. PLANTS SHOULD BE THOROUGHLY MOIST BEFORE REMOVING CONTAINERS.
- G. PERCOLATION TEST: FILL THE HOLE WITH WATER. IF THE WATER LEVEL DOES NOT PERCOLATE WITHIN 24 HOURS, THE TREE NEEDS TO MOVE TO ANOTHER LOCATION OR HAVE DRAINAGE ADDED. INSTALL A PVC STAND PIPE PER TREE IF THE PERCOLATION TEST FAILS.
- H. BACKFILL ONLY WITH 5 PARTS EXISTING SOIL OR SANDY LOAM AND 1 PART BED PREPARATION. WHEN THE HOLE IS DUG IN SOLID ROCK, TOPSOIL FROM THE SAME AREA SHOULD NOT BE USED. CAREFULLY SETTLE BY WATERING TO PREVENT AIR POCKETS. REMOVE THE BURLAP FROM THE TOP 1/2 OF THE BALL, AS WELL AS ALL NYLON, PLASTIC STRING AND WIRE CONTAINER TIES WHICH WOULD BE ROOT BOUND, IF SO FOLLOW STANDARD NURSERY PRACTICE OF "ROOT SCORING".
- I. DO NOT WRAP TREES.
- J. DO NOT OVER PRUNE.
- K. REMOVE NURSERY TAGS AND STAKES FROM ALL PLANTS.
- L. REMOVE BOTTOM OF PLANT BOXES PRIOR TO PLANTING. REMOVE SIDES AFTER PLACEMENT AND PARTIAL BACKFILLING.
- M. REMOVE UPPER THIRD OF BURLAP FROM BALLED AND BURLAPPED TREES AFTER PLACEMENT.
- N. PLACE PLANT UPRIGHT AND PLUMB IN CENTER OF HOLE. ORIENT PLANTS FOR BEST APPEARANCE.
- O. MULCH THE TOP OF THE BALL. DO NOT PLANT GRASS ALL THE WAY TO THE TRUNK OF THE TREE. LEAVE THE AREA ABOVE THE TOP OF THE BALL AND MULCH WITH AT LEAST TWO (2") INCHES OF SPECIFIED MULCH.
- P. ALL PLANT BEDS AND TREES TO BE MULCHED WITH A MINIMUM SETTLED THICKNESS OF TWO (2") INCHES OVER THE ENTIRE BED OR PIT.
- Q. OBSTRUCTION BELOW GROUND: IN THE EVENT THAT ROCK, OR UNDERGROUND CONSTRUCTION WORK OR OBSTRUCTIONS ARE ENCOUNTERED IN ANY PLANT PIT EXCAVATION WORK TO BE DONE UNDER THIS SECTION, ALTERNATE LOCATIONS MAY BE SELECTED BY THE OWNER, WHERE LOCATIONS CANNOT BE CHANGED, THE OBSTRUCTIONS SHALL BE REMOVED TO A DEPTH OF NOT LESS THAN THREE (3") FEET BELOW GRADE AND NO LESS THAN SIX (6") INCHES BELOW THE BOTTOM OF BALL WHEN PLANT IS PROPERLY SET AT THE REQUIRED GRADE. THE WORK OF THIS SECTION SHALL INCLUDE THE REMOVAL FROM THE SITE OF SUCH ROCK OR UNDERGROUND OBSTRUCTIONS ENCOUNTERED AT THE COST OF THE LANDSCAPE CONTRACTOR.
- R. TREES AND LARGE SHRUBS SHALL BE STAKED AS SITE CONDITIONS REQUIRE. POSITION STAKES TO SECURE TREES AGAINST SEASONAL PREVAILING WINDS.
- S. PRUNING AND MULCHING: PRUNING SHALL BE DIRECTED BY THE LANDSCAPE ARCHITECT AND SHALL BE PRUNED IN ACCORDANCE WITH STANDARD HORTICULTURAL PRACTICE FOLLOWING FINE PRUNING, CLASS I PRUNING STANDARDS PROVIDED BY THE NATIONAL ARBORIST ASSOCIATION.
 1. DEAD WOOD, SUCKERS, BROKEN AND BADLY BRUISED BRANCHES SHALL BE REMOVED. GENERAL TIPPING OF THE BRANCHES IS NOT PERMITTED. DO NOT CUT TERMINAL BRANCHES.
 2. PRUNING SHALL BE DONE WITH CLEAN, SHARP TOOLS.
 3. IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED, ALL TREE PITS SHALL BE COVERED WITH A LAYER OF ORGANIC MATERIAL TWO (2") INCHES IN DEPTH. THIS LIMIT OF THE ORGANIC MATERIAL FOR TREES SHALL BE THE DIAMETER OF THE PLANT PIT.

3.3 CLEANUP AND ACCEPTANCE

- A. CLEANUP: DURING THE WORK, THE PREMISES SHALL BE KEPT NEAT AND ORDERLY AT ALL TIMES. STORAGE AREAS FOR ALL MATERIALS SHALL BE SO ORGANIZED SO THAT THEY, TOO, ARE NEAT AND ORDERLY. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AS WORK PROGRESSES. KEEP PAVED AREAS CLEAN BY SWEEPING OR HOSEING THEM AT END OF EACH WORK DAY.
- B. REPAIR RUTS, HOLES AND SCARS IN GROUND SURFACES.
- C. ENSURE THAT WORK IS COMPLETE AND PLANT MATERIALS ARE IN VIGOROUS AND HEALTHY GROWING CONDITION.
- D. UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROTECT THE SITE FROM THE CLEAN TURF AND RELEASE ORGANIC NITROGEN FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
- E. WHENEVER THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNERS SATISFACTION WITHIN 24 HOURS.
- F. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN REINSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.

3.4 END OF SECTION



PLANT SCHEDULE

QTY	LABEL	COMMON NAME	SCIENTIFIC NAME	SIZE	NOTES	MATURE SIZE	YEARS TO MATURITY
DECIDUOUS TREES							
3	AE	Accolade Elm	<i>Ulmus 'Accolade'</i>	3" cal.	12' ht., 4' spread	60' ht x 40' w	10-15 years
5	RL	Redmond Linden	<i>Tilia americana 'Redmond'</i>	3" cal.	12' ht., 4' spread	60' ht x 40' w	20-30 years
7	RO	Northern Red Oak	<i>Quercus rubra</i>	3" cal.	12' ht., 5' spread	60' ht x 40' w	30-35 years
15	TOTAL DECIDUOUS TREES						
EVERGREEN TREES							
5	LP	Lacebark Pine	<i>Pinus bungeana</i>	3" cal.	12' ht., 5' spread	40' ht x 25' w	20-30 years
5	TOTAL EVERGREEN TREES						
5	TOTAL TREES						
DECIDUOUS SHRUBS							
59	BAR	Concord Barberry	<i>Berberis thunbergii 'Concorde'</i>	5 gal.	full, 20" sprd, 24" o.c.	2' ht x 3' w	2-3 years
22	CB	Chokeberry	<i>Aronia melanocarpa 'UCONNAM165'</i>	5 gal.	full, 20" sprd, 24" o.c.	2' ht x 4' w	2-3 years
14	SB	Spanish Gold Broom	<i>Cytisus purgan 'Spanish Gold'</i>	5 gal.	full, 24" sprd, 36" o.c.	4' ht x 5' w	2-3 years
49	SP	Snowmound Spirea	<i>Spiraea nipponica 'Snowmound'</i>	5 gal.	full, 24" sprd, 36" o.c.	5' ht x 8' w	2-3 years
144	TOTAL DECIDUOUS SHRUBS						
EVERGREEN SHRUBS							
52	PA	Panchito manzanita	<i>Arctostaphylos x coloradensis 'Panchito'</i>	5 gal.	full, 24" sprd, 36" o.c.	2.5' ht x 5' w	2-3 years
20	PJ	Juniper Point Juniper	<i>Juniperus communis 'Compressa'</i>	5 gal.	full, 20" spread, 30" o.c.	3' ht x 2' w	10 years
21	PM	Pine, Mugo, Teeny	<i>Pinus mugo 'Teeny'</i>	5 gal.	full, 20" sprd, 24" o.c.	2' ht x 3' w	5-10 years
27	WB	Wichita Blue Juniper	<i>Juniperus scopulman 'Wichita Blue'</i>	5 gal.	full, 24" sprd, 42" o.c.	15' ht x 6' w	8-10 years
120	TOTAL EVERGREEN SHRUBS						
264	TOTAL SHRUBS						
ORNAMENTAL GRASSES							
115	FG	Fountain Grass	<i>Pennisetum orientale</i>	1 gal.	full, 18" o.c.	2' ht x 2' w	2 years
26	MG	Maiden Grass, Gold Bar	<i>Miscanthus sinensis 'Gold Bar'</i>	5 gal.	full, 20" spread, 30" o.c.	4' ht x 3' w	2 years
141	TOTAL ORNAMENTAL GRASSES						
PERENNIAL							
115	PP	Pikes Peak Purple Penstemon	<i>Penstemon x mexicali 'Pikes Peak Purple'</i>	1 gal.	full, 12" o.c.	1' ht x 1' w	2 years
EVERGREEN GROUND COVER							
230	BCJ	Blue Chip Juniper	<i>Juniperus horizontalis 'Blue Chip'</i>	1 gal.	full, 18" o.c.	1' ht x 8' w	5-10 years
345	TOTAL PERENNIAL AND EVERGREEN GROUND COVER						
486	TOTAL ORNAMENTAL GRASSES, PERENNIALS, EVERGREEN GROUND COVER						
GROUND COVER							
Colorado Blue Grass Sod							
1 1/2" Colorado Rose Rock							

Plant list is an aid to bidders only. Contractor shall verify all quantities on plan. All heights and spreads are minimums. Trees shall have a strong central leader and be of matching specimens. All plant material shall meet or exceed remarks as indicated.

A. INTERNAL LANDSCAPING

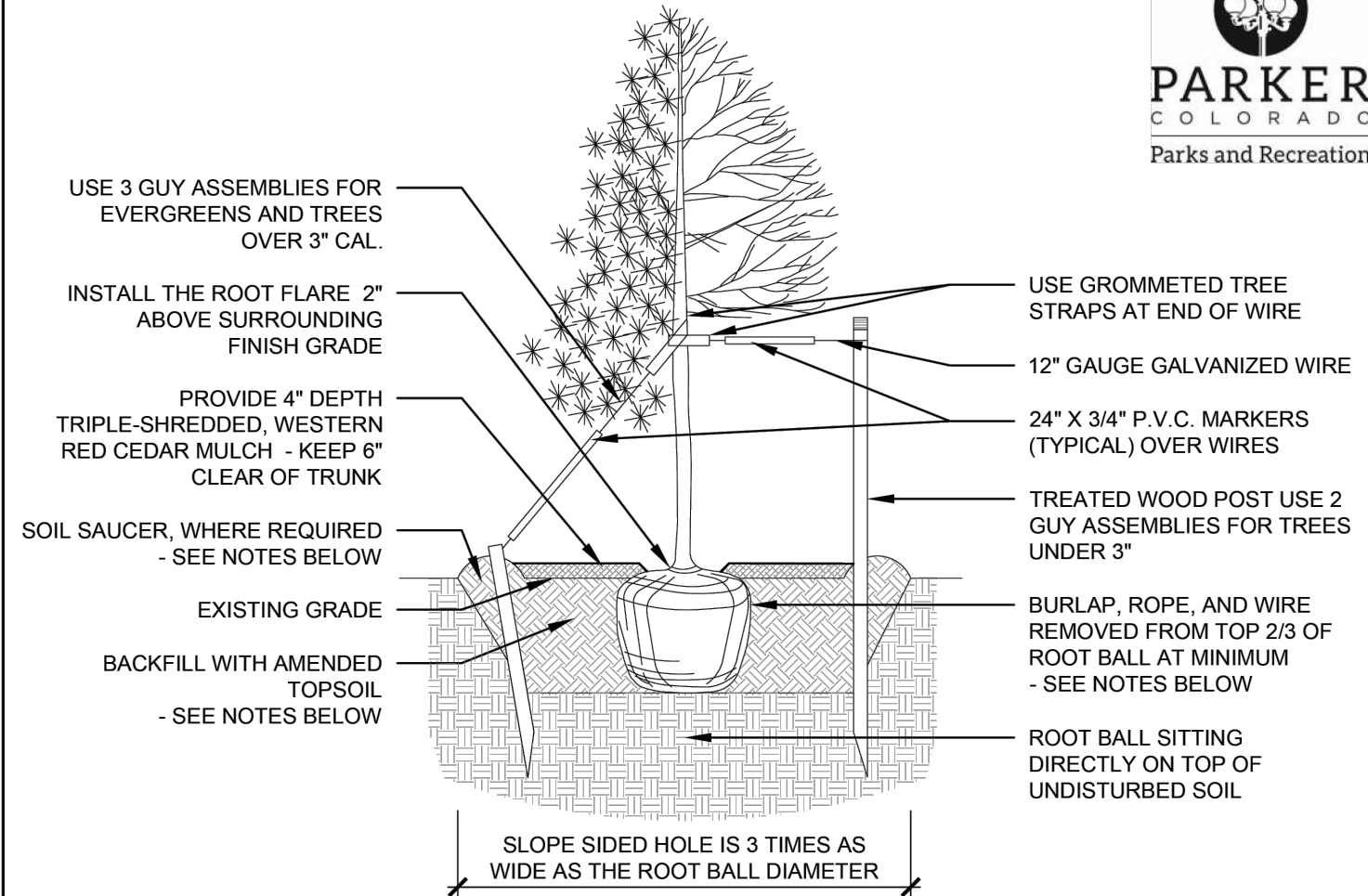
NET SITE AREA	LANDSCAPE AREA			% LIVE COVER		
	REQUIRED (25%)	PROVIDED	SURPLUS/DEFICIT	REQUIRED (75%)	PROVIDED	SURPLUS/DEFICIT
23653 S.F.	3913	10,580	6,667	2661	9039	6378

INTERNAL SITE AREA (S.F.)	TREE REQUIREMENT 1/1500 S.F.			SHRUB REQUIREMENT 5/1500 S.F.			TREE EQUIVALENT CALCULATION		
	REQUIRED	PROVIDED	SURPLUS/DEFICIT	REQUIRED	PROVIDED	SURPLUS/DEFICIT	SHRUBS AVAILABLE FOR TREE EQUIVALENTS	TOTAL EQUIVALENT TREES	TOTAL TREE AND TREE EQUIVALENTS PROVIDED
3913	3	3	0	13	81	68	68	6.8	9.8

B. STREETScape LANDSCAPE

LOCATION	LENGTH	TREE REQUIREMENT 1/40 L.F.			SHRUBS AVAILABLE FOR TREE EQUIVALENTS			TREE EQUIVALENT CALCULATION		
		REQUIRED	PROVIDED	SURPLUS/DEFICIT	REQUIRED	PROVIDED	SURPLUS/DEFICIT			

TOWN OF PARKER STANDARD DETAILS

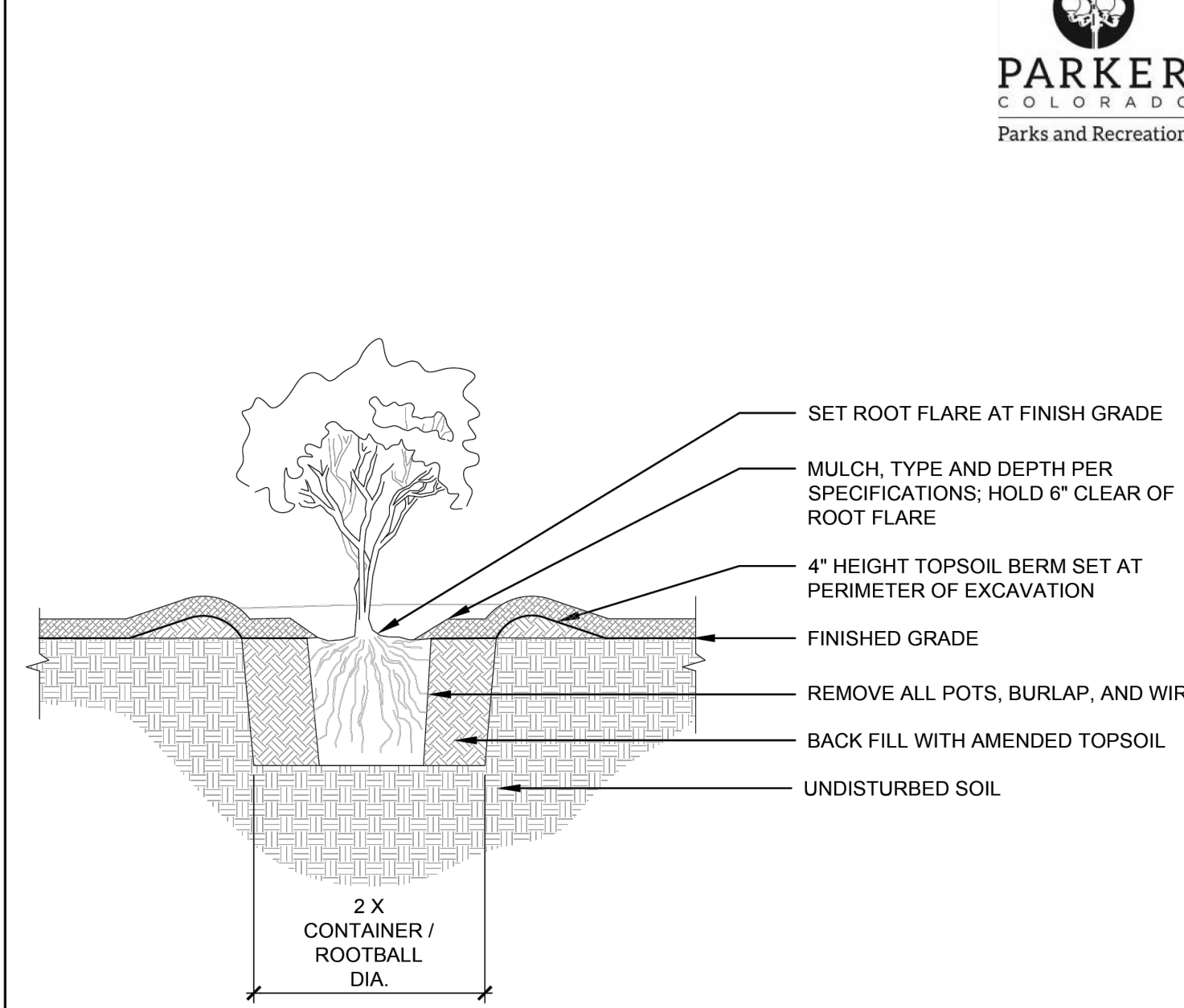


- NOTES:
- EXCAVATE PLANTING HOLES WITH SLOPING SIDES, MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL.
 - BACKFILL SHALL CONSIST OF APPROVED ON-SITE TOPSOIL BLENDED W/ COMPOST AMENDMENT. IF ON-SITE TOPSOILS ARE NOT APPROVED FOR USE, BACKFILL W/ IMPORTED TOPSOIL BLENDED WITH COMPOST AMENDMENT. REFER TO SPECIFICATION SECTION 329113 FOR ADDITIONAL INFORMATION.
 - TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL/FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK. THIS INCLUDES TREES THAT ARE SET ON SLOPES (SEE SLOPE PLANTING DETAIL). TREES THAT DO NOT HAVE A VISIBLE ROOT COLLAR SHALL BE REJECTED. DO NOT COVER THE ROOT BALL WITH SOIL.
 - WHEN ROOT BALL WILL REMAIN INTACT, CUT OFF BOTTOM 1/4 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE BASKET COMPLETELY. AT A MINIMUM, THE TOP 2/3 OF THE BURLAP AND BASKET SHALL BE REMOVED FROM THE ROOT BALL ON ALL TREES. REMOVE ALL NYLON TIES, TWINE, ROPE AND BURLAP. REMOVE UNNECESSARY PACKING MATERIAL.
 - FORM SOIL INTO A 6" TALL WATERING RING (SAUCER) AROUND PLANTING AREA. THIS IS NOT NECESSARY IN IRRIGATED TURF AREAS. APPLY 4" DEPTH OF SPECIFIED MULCH OVER PLANTING AREA AND INSIDE SAUCERS, AWAY FROM TRUNK.
 - STAKING AND GUYING OF TREES IS OPTIONAL IN MOST PLANTING SITUATIONS. IN AREAS OF EXTREME WINDS, OR ON STEEP SLOPES, STAKING MAY BE REQUIRED TO STABILIZE TREES. STAKING AND GUYING MUST BE REMOVED WITHIN 1 YEAR OF PLANTING DATE.
 - TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS, AND ONLY AFTER CONSULTATION WITH THE TOWN ARBORIST.
 - RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WILL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.

TREE PLANTING
1/4" = 1'-0"

DATE: MAY 2023 | DETAIL SD-3

TOWN OF PARKER STANDARD DETAILS

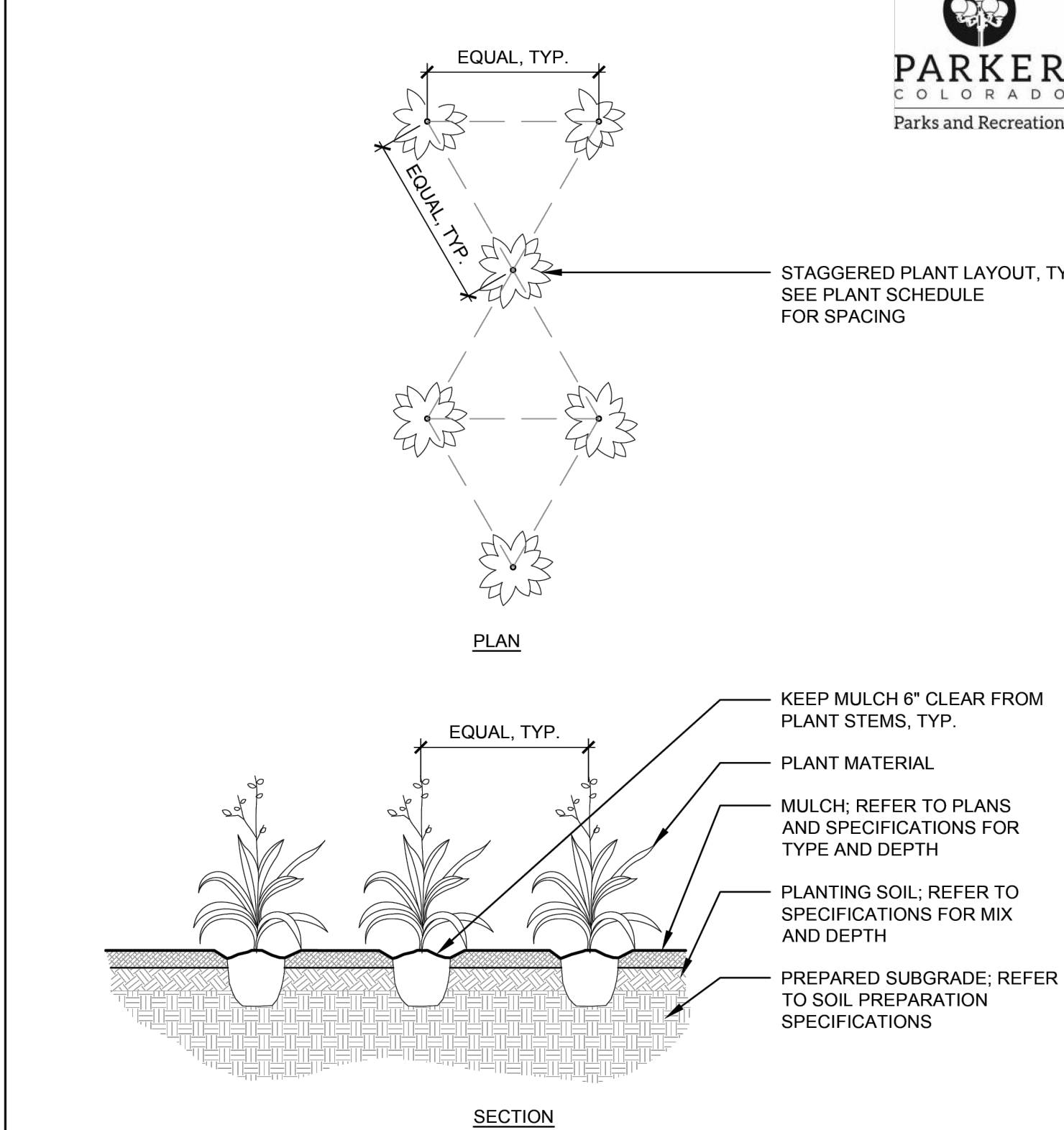


- NOTES:
- PRUNE ALL DAMAGED, DISEASED OR WEAK LIMBS.
 - CLEANLY PRUNE ALL DAMAGED ROOT ENDS.
 - DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLATION PROCESS.
 - DEEP WATER AFTER PLANTING.

SHRUB PLANTING
1/2" = 1'-0"

DATE: MAY 2023 | DETAIL SD-5

TOWN OF PARKER STANDARD DETAILS

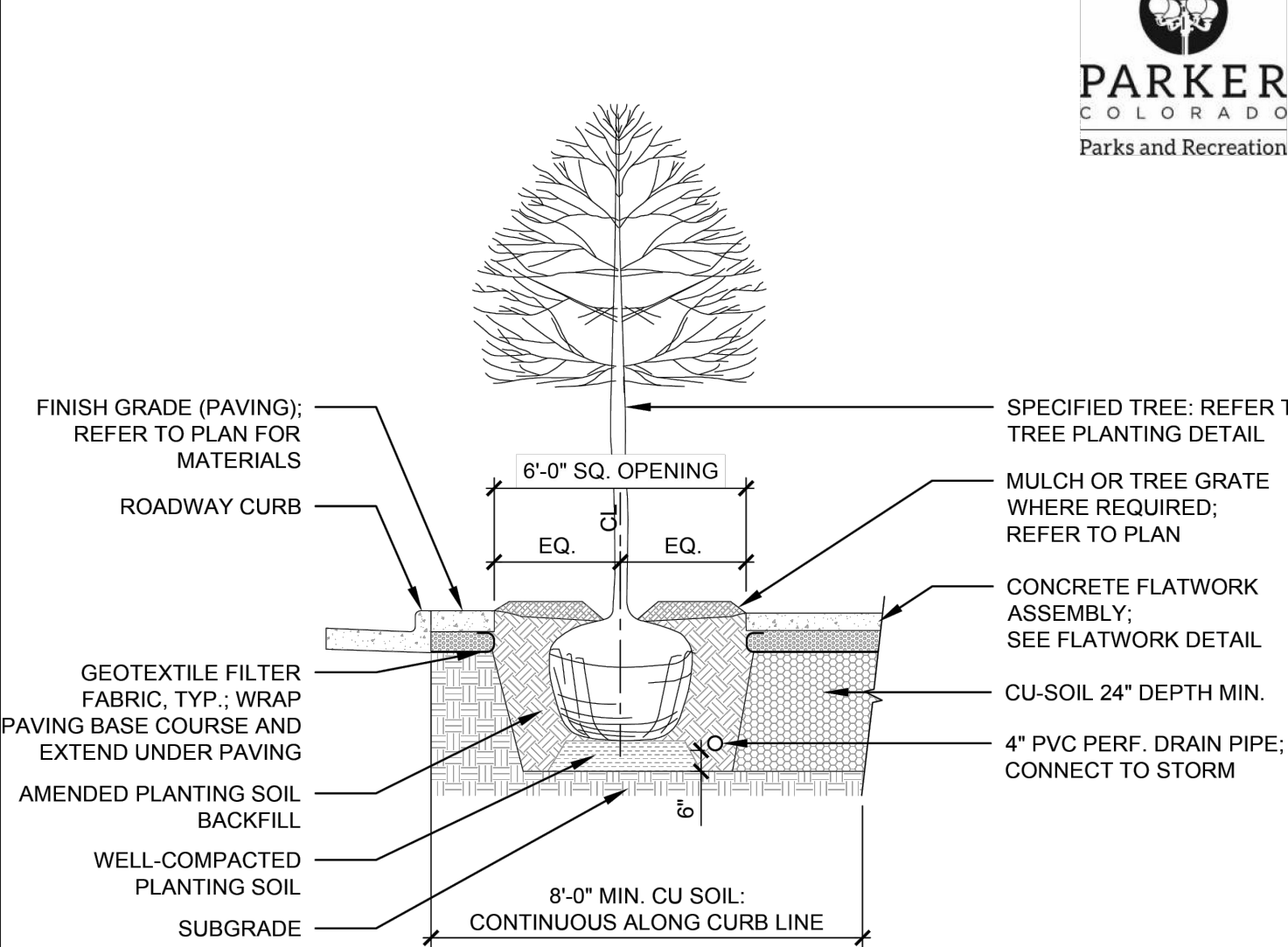


- NOTES:
- WHEN BACKFILLING AROUND PLANTS, DO NOT ALLOW AIR POCKETS TO FORM.
 - AFTER PLANTING, WATER THOROUGHLY.

PERENNIAL PLANTING
1/4" = 1'-0"

DATE: MAY 2023 | DETAIL SD-6

TOWN OF PARKER STANDARD DETAILS

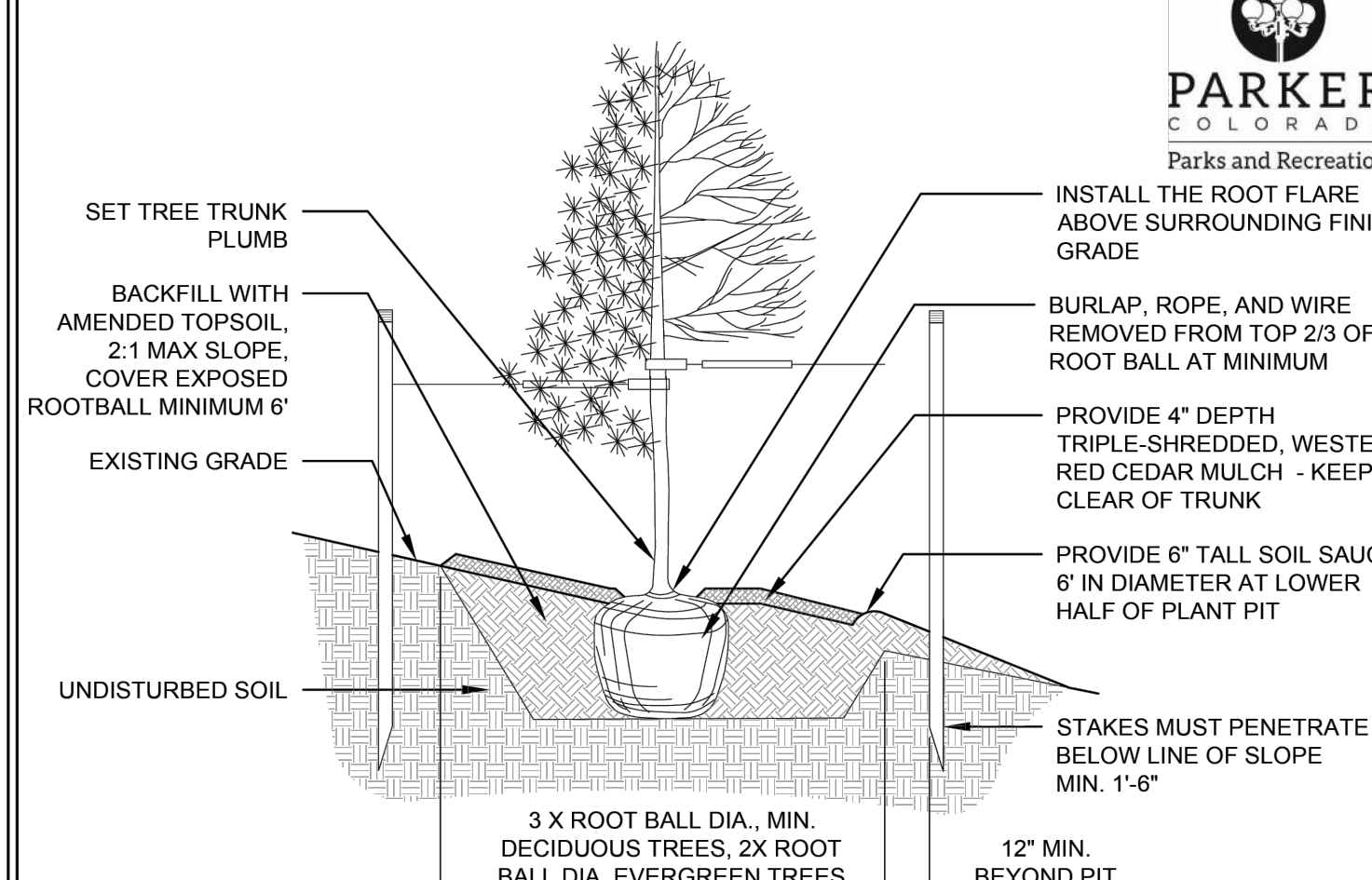


- NOTES:
- TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL/FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK.
 - WHEN ROOT BALL WILL REMAIN INTACT, CUT OFF BOTTOM 1/4 OF WIRE BASKET BEFORE PLACING TREE IN HOLE. CUT OFF REMAINDER OF BASKET AFTER TREE IS SET IN HOLE. REMOVE BASKET COMPLETELY. AT A MINIMUM, THE TOP 2/3 OF THE BURLAP AND BASKET SHALL BE REMOVED FROM THE ROOT BALL ON ALL TREES. REMOVE ALL NYLON TIES, TWINE, ROPE AND BURLAP. REMOVE UNNECESSARY PACKING MATERIAL.
 - TREE WRAP IS NOT TO BE USED ON ANY NEW PLANTINGS, EXCEPT IN LATE FALL PLANTING SITUATIONS, AND ONLY AFTER CONSULTATION WITH THE TOWN ARBORIST.
 - RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WILL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.

CU SOIL TREE PIT
1/4" = 1'-0"

DATE: MAY 2023 | DETAIL SD-2

TOWN OF PARKER STANDARD DETAILS



- NOTES:
- THIS INSTALLATION SHALL APPLY TO ALL TREE TYPES AND SIZES PLANTED ON SLOPES 4:1 OF GREATER.
 - EXCAVATE PLANTING HOLES WITH SLOPING SIDES, MAKE EXCAVATIONS AT LEAST THREE TIMES AS WIDE AS THE ROOT BALL DIAMETER AND NO DEEPER THAN THE DISTANCE FROM THE TOP OF THE ROOT BALL TO ALLOW FOR SETTLING. DO NOT DISTURB SOIL AT BOTTOM OF PLANTING HOLES, BUT DO SCORE THE SIDES OF THE PLANTING HOLE. THE PLANTING AREA SHALL BE LOOSENED AND AERATED AT LEAST THREE TIMES THE DIAMETER OF THE ROOT BALL.
 - BACKFILL SHALL CONSIST OF APPROVED ON-SITE TOPSOIL BLENDED W/ COMPOST AMENDMENT. OF ON-SITE TOPSOILS ARE NOT APPROVED FOR USE, BACKFILL W/ IMPORTED TOPSOIL BLENDED WITH COMPOST AMENDMENT. REFER TO SPECIFICATION SECTION 329113 FOR ADDITIONAL INFORMATION.
 - TREES SHALL BE PLANTED WITH THE ROOT COLLAR/FLARE VISIBLE ABOVE GRADE AND TWO OR MORE STRUCTURAL ROOTS LOCATED WITHIN THE TOP 1" TO 2" OF THE ROOT BALL/FINISHED GRADE MEASURED 3" TO 4" FROM TRUNK. THIS INCLUDES TREES THAT ARE SET ON SLOPES (SEE SLOPE PLANTING DETAIL). TREES THAT DO NOT HAVE A VISIBLE ROOT COLLAR SHALL BE REJECTED. DO NOT COVER THE ROOT BALL WITH SOIL.
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 - RESETTING OF IMPROPERLY PLANTED TREES WILL ONLY BE ALLOWED IF IT IS DETERMINED THAT DOING SO WILL IN NO WAY COMPROMISE THE ROOT BALL, AND SHALL ONLY BE DONE WITH APPROVAL OF THE TOWN ARBORIST.

TREE PLANTING ON SLOPE
1/4" = 1'-0"

DATE: MAY 2023 | DETAIL SD-4



CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987 CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES. SUBJECT TO THESE PLANS BEING STAMPED, SIGNED AND DATED BY THE PROFESSIONAL ENGINEER OF RECORD. REVIEW BY THE TOWN DOES NOT CONSTITUTE APPROVAL OF THE PLAN DESIGN OR ACCURACY AND CORRECTNESS OF ENGINEERING CALCULATIONS. ERRORS IN THE DESIGN OR CALCULATIONS REMAIN THE RESPONSIBILITY OF THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT.

THIS REVIEW DOES NOT CONSTITUTE APPROVAL OF ANY PRIVATE ON-SITE IMPROVEMENTS WHICH MAY BE SHOWN. CONSTRUCTION CANNOT COMMENCE UNTIL ALL REQUIRED DRAINAGE/TRAFFIC REPORT(S), FINAL DEVELOPMENT PLAN(S), SPECIAL REVIEW(S), GRADING PERMIT, AND/OR OTHER PERMITS ARE COMPLETE APPROVED AND ON FILE WITH THE TOWN OF PARKER.

TOWN OF PARKER, DIRECTOR ENGINEERING DATE



Know what's Below. Call before you dig. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE MANNER AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCURRED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

NOTICE: CONSTRUCTION SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. NEITHER THE OWNER NOR THE ENGINEER SHALL BE HELD RESPONSIBLE FOR ANY RESPONSIBILITY FOR SAFETY OF THE WORK OF PERSONS ENGAGED IN THE WORK OF ANY NEARBY STRUCTURES, OR OF ANY OTHER PERSONS.

24 HOUR EMERGENCY CONTACT



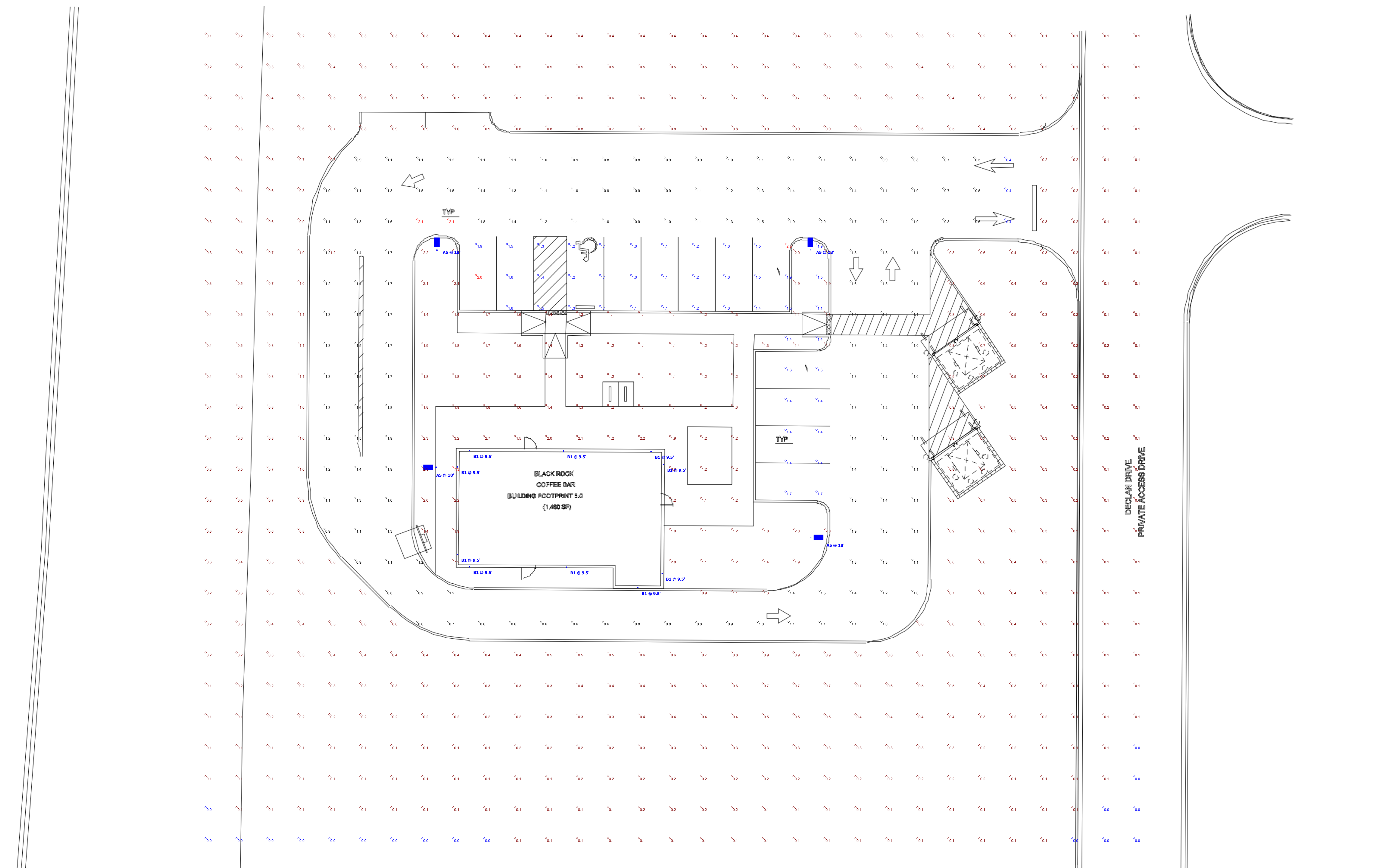
LOT 4A, PARKER POINTE SUBD. FILING NO. 1, AMEND. NO. 1
S. PARKER RD & STROH RD
PARKER
DOUGLAS COUNTY, COLORADO

BLACK ROCK COFFEE BAR
13135 DECLAN DRIVE
LANDSCAPE DETAILS

DATE: 2025-02-24

REVISIONS

DRAWN BY: K. SARWAR
CHECKED BY: N. SALAZAR
PROJECT MANAGER: N. SALAZAR
JOB #: 24003198
FILE CODE: ##
SHEET NO.



Black Rock Coffee Bar Parker Colorado

Schedule	Symbol	Label	QTY	Manufacturer	Catalog	Description	Number Lenses	Lamp Output	LLF	Input Power	Polar Plot
A5	◇		4	OPTIC LED LIGHTING	04A1-080-30-5	LED AREA SERIES LARGE SERIES 3000K HS SHWIG TYPE 5 MOUNTED @ 18' AFG	1	10330	0.9	80	
B1	○		10	SP Lighting	4427-XX-13-XX	LED ARCHITECTURAL SQUARE CYLINDER DOWNLIGHT MOUNTED @ 9'-6" AFG	1	911	0.9	13.3	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Drive Lane @ 0' AFG	◇	1.2 fc	2.1 fc	0.4 fc	5.3:1	3.0:1
Parking @ 0' AFG	◇	1.4 fc	2.0 fc	1.0 fc	2.0:1	1.4:1
Site @ 0' AFG	◇	0.6 fc	7.3 fc	0.0 fc	N/A	N/A

Plan View

Designer
Dave Inman
Date
12/09/2024
Scale
Not to Scale
Drawing No.
Summary



Catalog: _____
Project: _____
Type: A5

Area Series (Small)

The OLA1 Small Series is a stylish aerodynamic area luminaire that fits within today's accepted design form factors. Excellent optical performance is achieved with Nichia brand LED's and engineered discrete optics. LED life is assured through efficient thermal coupling and dissipation via a durable, pressure die cast, low-copper alloy, aluminum housing. Engineered to last, all gaskets are anti-UV, anti-aging with no harmful out-gassing. All models come standard with a universal pole mount bracket or an optional wall surface box. Luminaires are available with a number of options including alternate CCT choices, finishes, photocells and occupancy sensors.



FEATURES

- LED Brand: Nichia
- Color Temperatures: 4000K & 5000K (Other CCT's are available upon request)
- CRI: 70
- Lumen Maintenance: L70 = 50,000 hours
- Full Cutoff (meets IDA criteria)
- Operating Temperature: -40°C (-40°F) to 40°C (104°F)
- Durable All Aluminum Pressure Die Cast Housing
- Powder Coat Finish
- Salt Fog Tested to 2500 hours / per ASTM B117
- IP65 Rated (wet listed / NEMA IEC 60529)
- Mounting: Universal Round or Square Pole, Wall Surface Box

ELECTRICAL SPECIFICATIONS

- Power Input: 120-277V (347-480V Optional)
- Power Factor: > 0.95
- THD: < 15%
- Surge Protection: 20 kV
- Control Options: 0-10V Dimming standard (Photocell and Occupancy Sensors Optional)

TESTS & CERTIFICATIONS

- ETL (UL 1598, UL 8750, NEMA C82.77)
- CSA (C22.2 No.250.0)
- RoHS Compliant
- Design Lights Consortium (Premium)
- 3G Vibration tested (ANSI C136.31)



WARRANTY

- Up to 10-Year Warranty (parts or replacement)

PERFORMANCE SPECIFICATIONS

Distribution	Model / Wattage	Lumens		Bug Rating		
		4000K	5000K	B	U	G
Type 2	OLA1-080	10,801	10,960	3 *	0	1
	OLA1-120	15,840	16,200	3 *	0	2
	OLA1-150	19,800	20,250	3 *	0	2
Type 3	OLA1-080	11,600	11,760	2 *	0	2
	OLA1-120	16,561	16,920	3 *	0	2
	OLA1-150	20,549	21,000	3 *	0	2
Type 3L	OLA1-080	10,799	10,960	3 *	0	3
	OLA1-120	15,960	16,199	3 *	0	3
	OLA1-150	19,800	20,249	4 *	0	3
Type 3R	OLA1-080	10,799	10,960	3 *	0	3
	OLA1-120	15,960	16,198	3 *	0	3
	OLA1-150	19,800	20,250	4 *	0	3
Type 4	OLA1-080	10,596	10,794	2 *	0	2
	OLA1-120	15,472	15,712	2 *	0	2
	OLA1-150	19,046	19,349	3 *	0	2
Type 4L	OLA1-080	10,800	10,960	3 *	0	3
	OLA1-120	16,080	16,320	3 *	0	3
	OLA1-150	19,800	20,250	4 *	0	4
Type 4R	OLA1-080	10,800	10,960	3 *	0	3
	OLA1-120	16,080	16,320	3 *	0	3
	OLA1-150	19,781	20,250	4 *	0	4
Type 5	OLA1-080	10,032	10,185	4	0	3
	OLA1-120	15,049	15,278	4	0	3
	OLA1-150	18,811	19,097	5	0	4

* Backlight = 1 when BC (Backlight Control System) is applied.

Voltage (V)	Current (A)		
	80W	120W	150W
120	0.67	1.00	1.25
208	0.38	0.58	0.72
240	0.33	0.50	0.63
277	0.29	0.43	0.54
347	0.23	0.35	0.43
480	0.17	0.25	0.31



Area Series (Small)



ORDERING INFORMATION

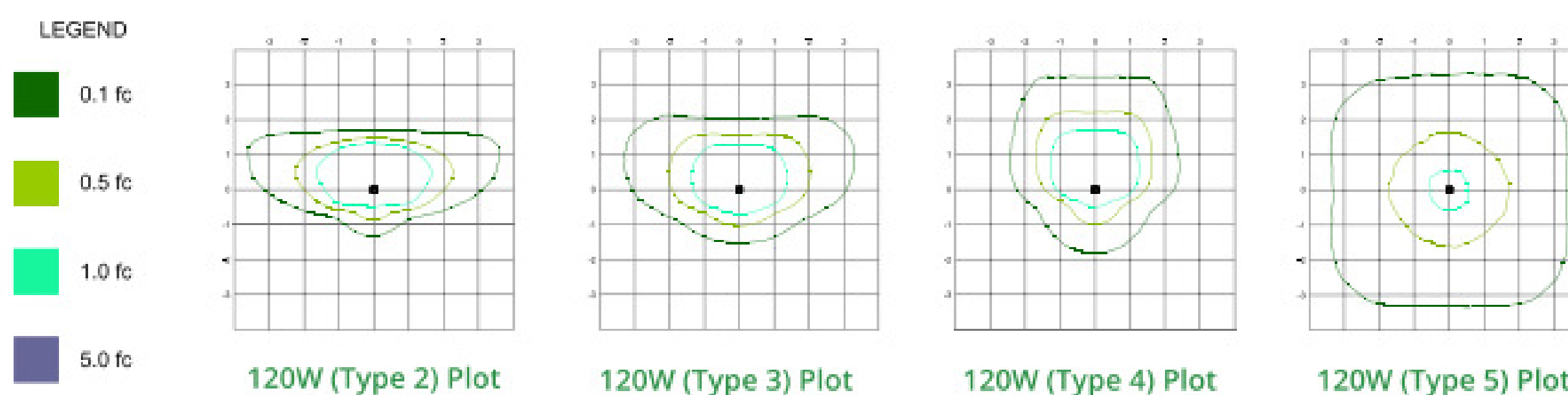
EXAMPLE: OLA1-120-UNVL-50-4-SQ-BZ-PR-TL12

SERIES	WATTAGE	VOLTAGE	COLOR TEMP	DISTRIBUTION	MOUNTING	FINISH	CONTROLS / OPTIONS
OLA1 = Optec LED Area Light	080 = 80W 120 = 120W 150 = 150W	UNVL = 120-277V UNVH = 347-480V	30 = 3000K 40 = 4000K 50 = 5000K	2 = Type 2 3 = Type 3 3L = Type 3 Left 3R = Type 3 Right 4 = Type 4 4L = Type 4 Left 4R = Type 4 Right 5 = Type 5	SQ = Square Pole ¹ RD = Round Pole ¹ WM = Wall Mount ^{1,2} TA = Tenon Adapter ¹ LK = Leveling Kit ³	WH = White BZ = Dark Bronze BL = Black NA = Natural Aluminum GM = Graphic Metallic CF = Custom Finish	OSWS = Occupancy Sensor (WattStopper) PR3 = Photocell Receptacle 3-pin PR5 = Photocell Receptacle 5-pin PR7 = Photocell Receptacle 7-pin WCS = Wireless Control (Synapse) ⁵ BCS = Backlight Control System SF = Single Fuse (120V, 277V, 347V) DF = Double Fuse (220V, 240V, 480V) TLSC = Twist Lock Shorting Cap 924 = UL924 Relay TL12 = Twist Lock Photocell 120V ⁶ TL24 = Twist Lock Photocell 240V ⁶ TL27 = Twist Lock Photocell 277V ⁶ TL28 = Twist Lock Photocell 208V ⁶ TL34 = Twist Lock Photocell 347V ⁶ TL48 = Twist Lock Photocell 480V ⁶ HS House Side Shield

- 1 - For details, reference accessory data sheet.
- 2 - WM option requires SQ pole mount bracket (ordering example: SQ-WM)
- 3 - Leveling kit adjusts up by 5 degrees or down by 5 degrees
- 4 - OSWS = For Wattstopper PIR sensor information and options contact factory
- 5 - WCS = For Synapse wireless controls information and options contact factory for details
- 6 - Photocell default = Fail in "ON" mode (unless otherwise specified)

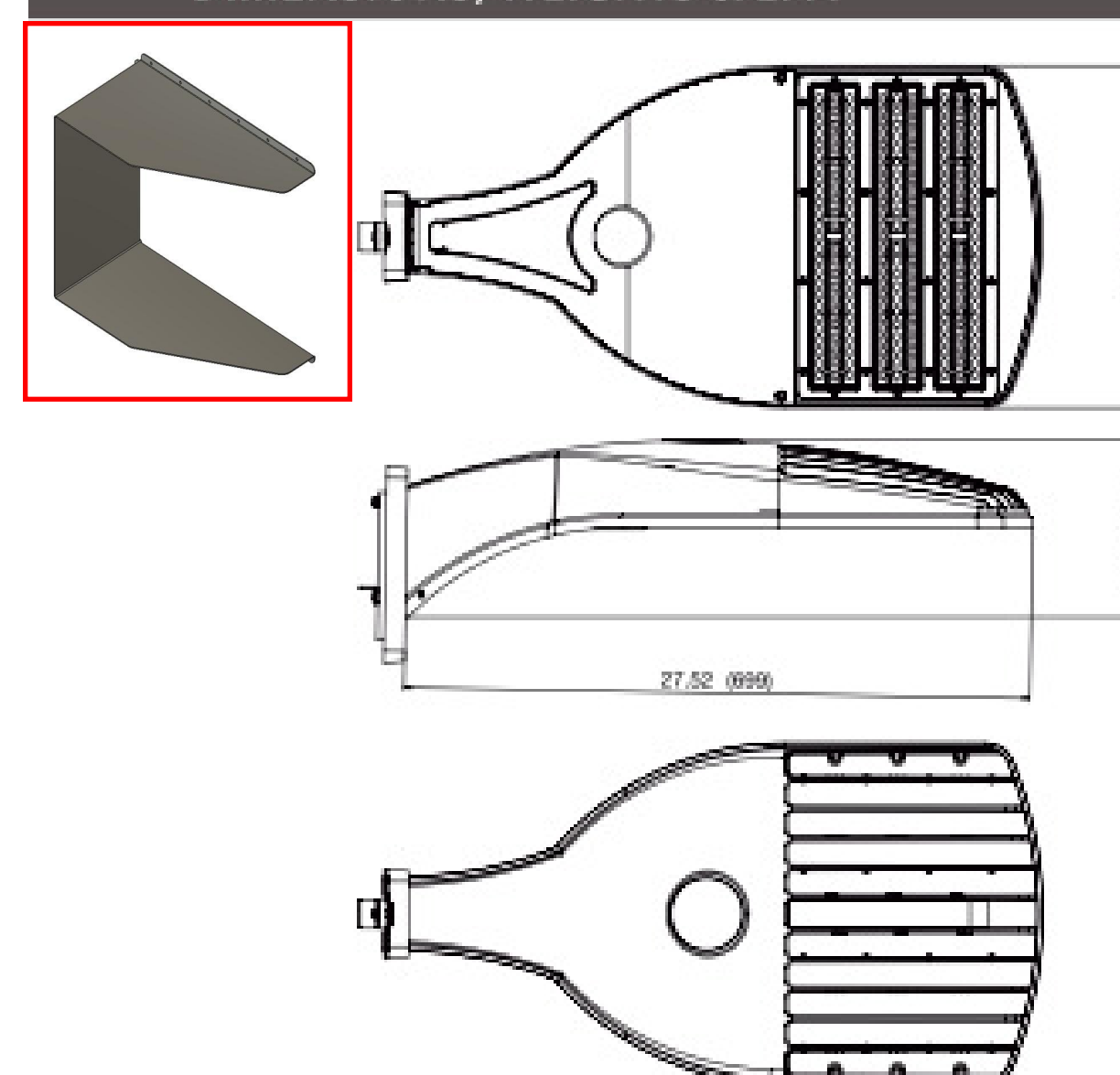
PHOTOMETRIC PERFORMANCE

Isofootcandle plots = OLA1 120W model in 5000K CCT @ 30' mounting height. Distances are in units of mounting height.



Published luminaire photometric testing performed to IESNA-79-08 standards

DIMENSIONS, WEIGHTS & EPA



Wattage	80W	120W	150W
Length (inches / mm)	27.52 / 699	27.52 / 699	27.52 / 699
Width (inches / mm)	14.8 / 376	14.8 / 376	14.8 / 376
Height (inches / mm)	7.83 / 199	7.83 / 199	7.83 / 199
Weight (lbs / kg)	19.4 / 8.8	19.4 / 8.9	20 / 9.1

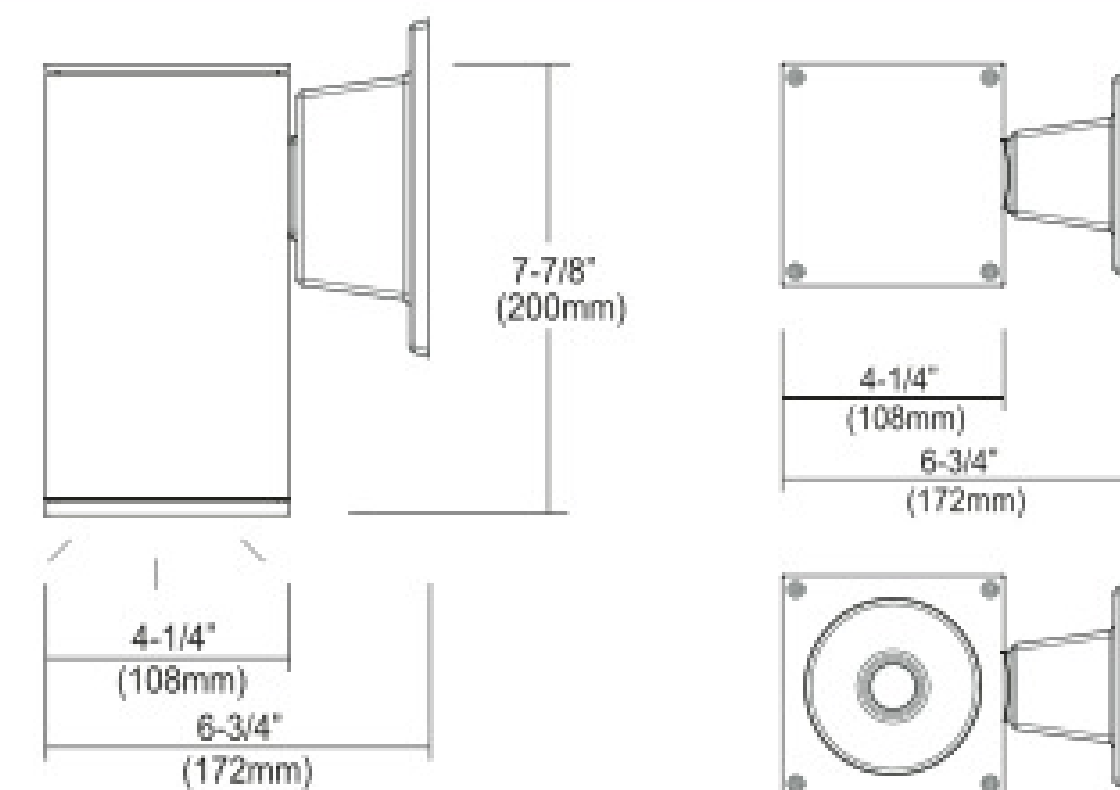
Wattage	Effective Projected Area (EPA) in ft ²				
	2	3	4	5	6
80	0.96	1.92	1.81	2.77	3.63
120	0.96	1.92	1.81	2.77	3.63
150	0.96	1.92	1.81	2.77	3.63

4427

120V

Catalog #:		Type	B1
Project:		Date	
Prepared by:			

4" LED Architectural Square Cylinder Downlight



4" LED Square Downlight

DESCRIPTION

The Outdoor LED Cylinder Family features wet location rated wall mount style cylinders with down light and up & down light options. Choose from energy efficient 13W, 17W, or 27W AC modules, with finishes available in black, brushed nickel, or oil-rubbed bronze. Features Triac dimming down to 5%, using most standard dimmers. Utilizes AC circuit on board technology for cooler operating temperature and extended lifetime.

DESIGN FEATURES

Construction

- Aluminum die-cast with powder coat finish

Electrical

- 120V Direct AC operation with DOB
- Triac dimming down to 5%
- Various wattages of modules available
- Cooler operating temperature without driver
- Operating temperature: -31°F (-35°C) to 122°F (50°C)
- Stable driving current prevents inrush damage to circuit switches and modules
- Available in 80CRI, 3000K & 4000K

Installation

- Easy surface mounting for simple installation using anchors and screws
- J-box mountable

Lens

- Clear acrylic lens protects LEDs while allowing for optimum lumen output
- 37° beam angle

Finish

- Black, brushed aluminum or oil-rubbed bronze

Certifications

- cCSAus for wet location
- 5 year limited warranty
- Wet location rated



4427

120V

Specification & Ordering

Model #	Dimensions (H x W x D)	Watt	Lumens (delivered)	Lumens (source)	Color Temp
4427	7-7/8" x 4-1/4" x 6-3/4"	13W	845lm	1280lm	3K 3000K
		17W	1105lm	1710lm	4K 4000K
		27W	1755lm	2570lm	

ORDERING

Example: 4427BK-13-3K

Model #	Finish	Watts	CCT
4427			
4427	BK : Black BA : Brushed Aluminum OB : Oil-rubbed Bronze	-13 : 13W -17 : 17W -27 : 27W	-3K : 3000 K -4K : 4000 K

4" LED Square Downlight

TEL: 800.937.6925 | Fax: 800.207.9509 | www.rplighting.com

Specifications and dimensions subject to change without notice.



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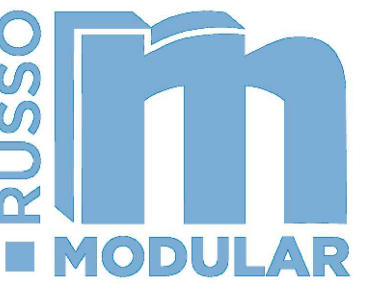


FINISH SCHEDULE

ID TAG	MATERIAL	MANUFACTURER	MODEL	REMARKS
ZONE 1 (BODY AND TOWER)				
1	CORRUGATED METAL	WESTERN STATES	WESTERN RIB 7.2 PANELS 24 GA	PREFINISHED COLOR BLACK ORE MATTE FINISH
2	CORRUGATED METAL	WESTERN STATES	WESTERN WAVE 16.0 PANELS 24 GA	PREFINISHED MATTE CHARCOAL GRAY TO MATCH APPROVED DEVELOPMENT 'ONYX'
3	LAP SIDING	JAMES HARDIE	WOODTONE RUSTIC SERIES 9 1/4" WIDE	PRE-FINISHED SAND CASTLE TO MATCH 'LIGHT OAK' BY PAC-CLAD ON DEVELOPMENT PALETTE
FLASHING, COLUMNS AND CANOPY				
4	PAINTED STEEL	SHERWIN WILLIAMS	COLOR TO MATCH DEVELOPMENT METAL AWNINGS	SW4026 SLATE GRAY
5	PAINTED STEEL	WESTERN STATES	PREFINISHED PARAPET CAP	COLOR BLACK ORE MATTE
6	PAINTED STEEL	SHERWIN WILLIAMS	PREFINISHED PARAPET CAP	COLOR MATTE CHARCOAL GRAY
7	MASONRY	ANGELUS BLOCK	SMOOTH FACE	COLOR ONXY TO MATCH APPROVED DEVELOPMENT PALETTE

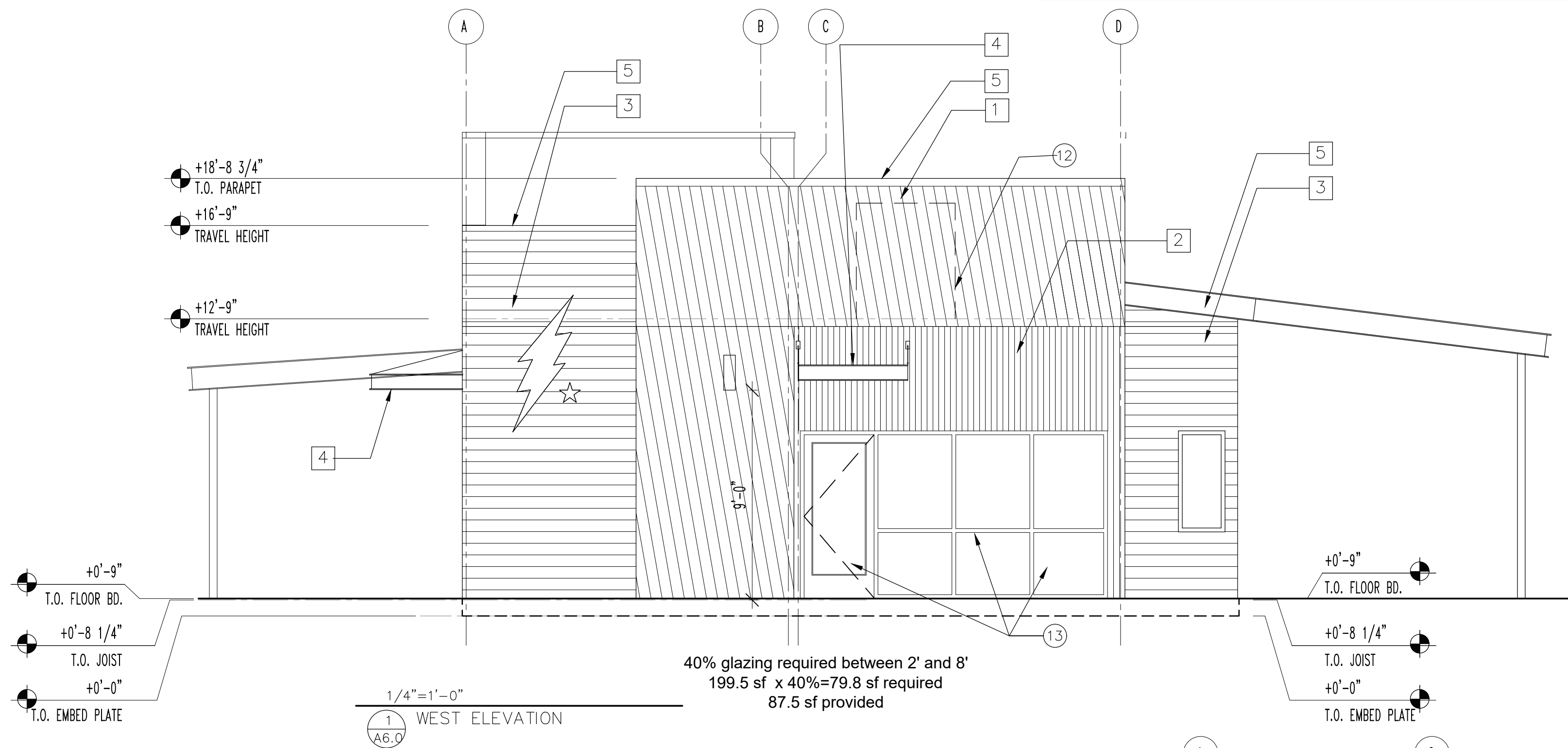
KEY NOTES

1. FINISH EXTERIOR MATERIAL. INSTALL PER MANUFACTURER'S SPECIFICATION.
2. STEEL CANOPY. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
3. WINDOW. REFER TO WINDOW SCHEDULE FOR ADDITIONAL INFORMATION.
4. DOOR. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
5. SIGNAGE. UNDER SEPARATED SUBMITTAL.
6. 48" W X 12" D SERVICE COUNTER AR 34" AFF. DOWNSPOUT DAYLIGHT.
7. EXTERIOR LIGHTING AT 9"-2" AFF. TYP OF (7). CAP FLASHING.
8. AWNING CORRUGATED METAL PANEL.
9. RTU - SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION.
10. SCREENED ROOFTOP MECHANICAL.
11. GLAZING AT DOOR AND THIS ENTIRE STOREFRONT TO BE SPANDREL GLASS

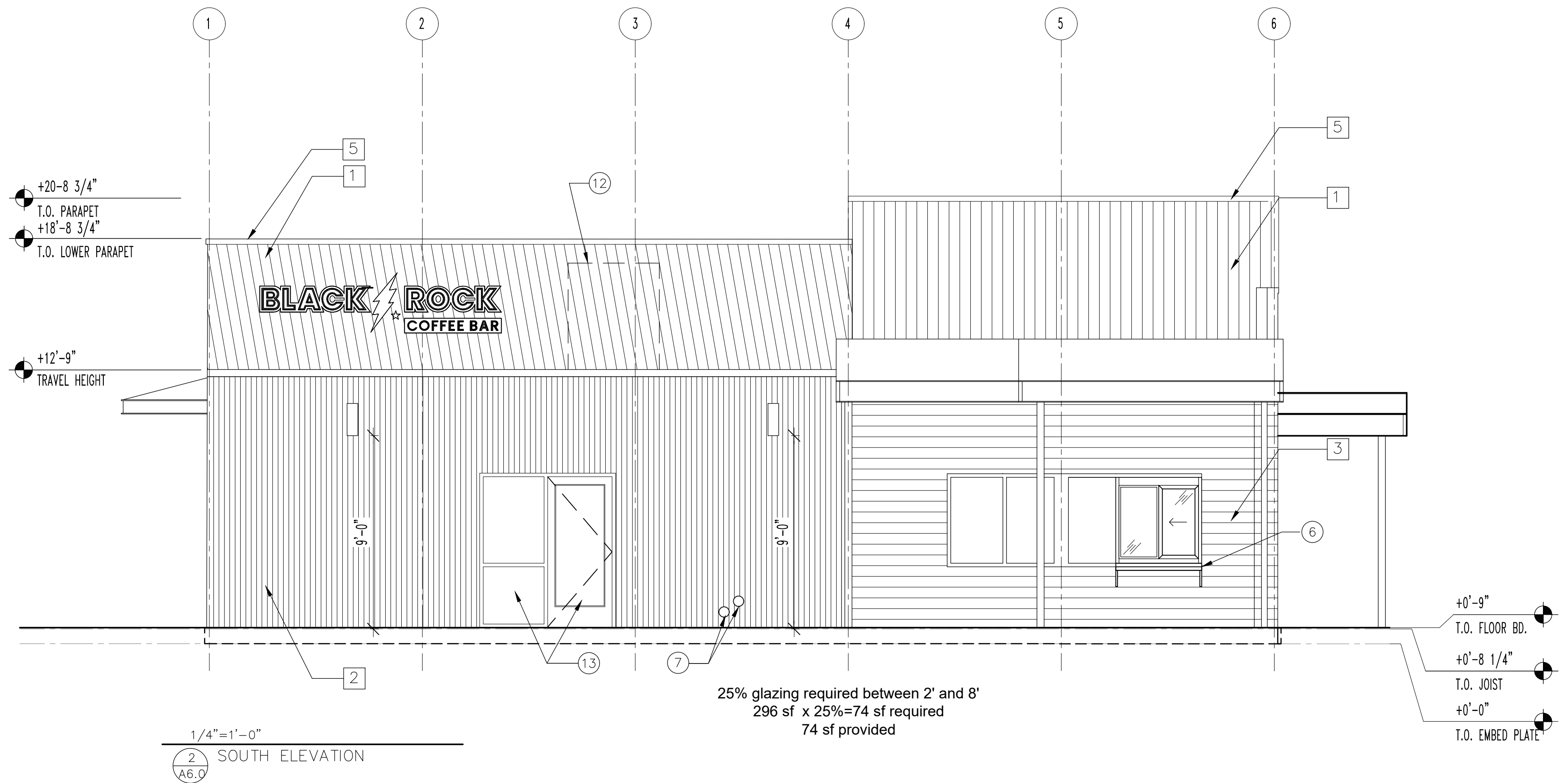


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EXTERIOR ELEVATIONS

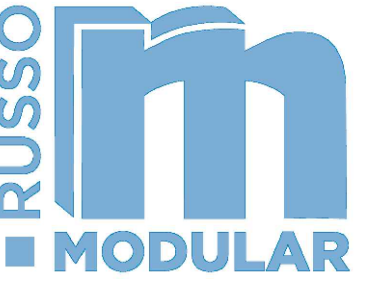
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FINISH SCHEDULE

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7	MASONRY	ANGELUS BLOCK	SMOOTH FACE	COLOR ONXY TO MATCH APPROVED DEVELOPMENT PALETTE

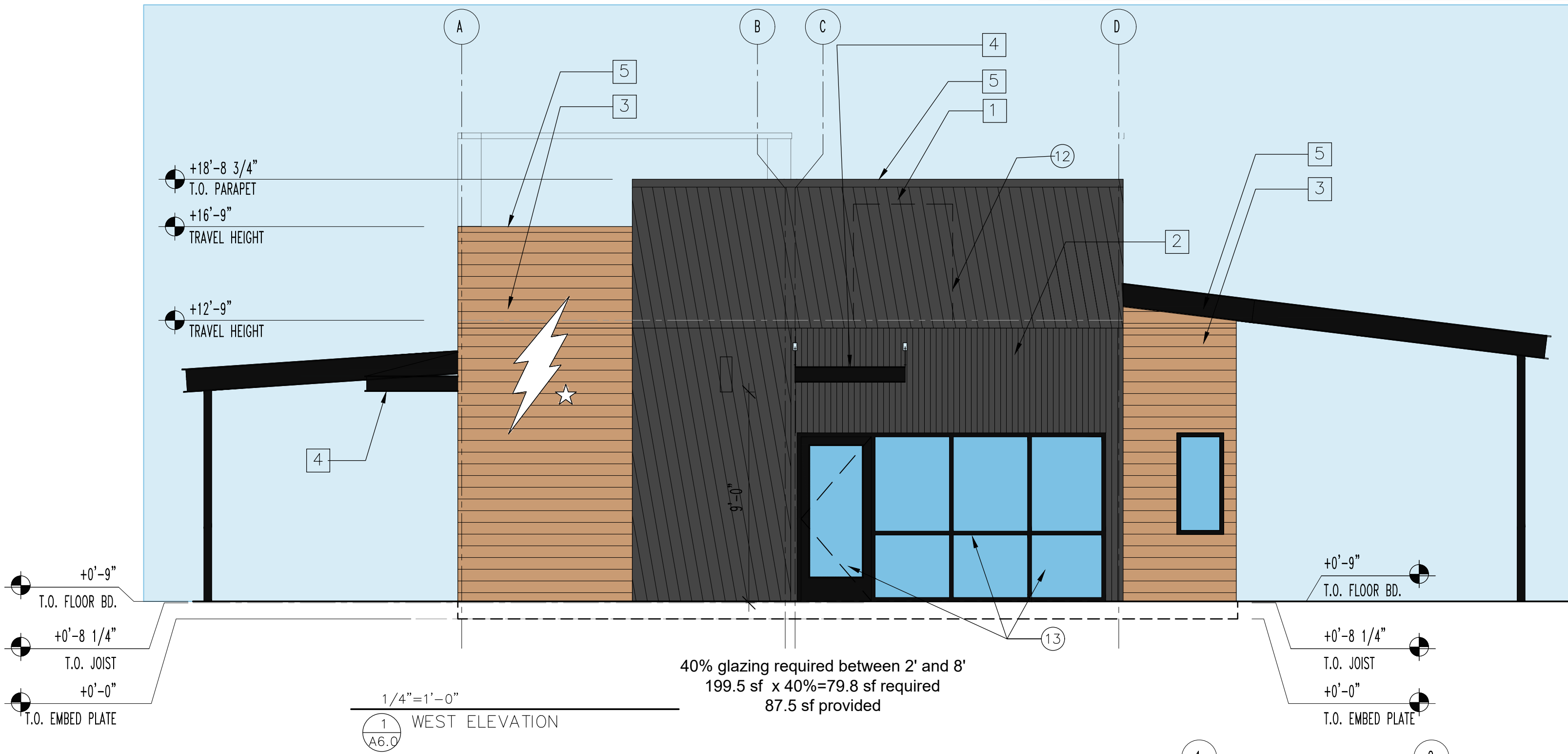
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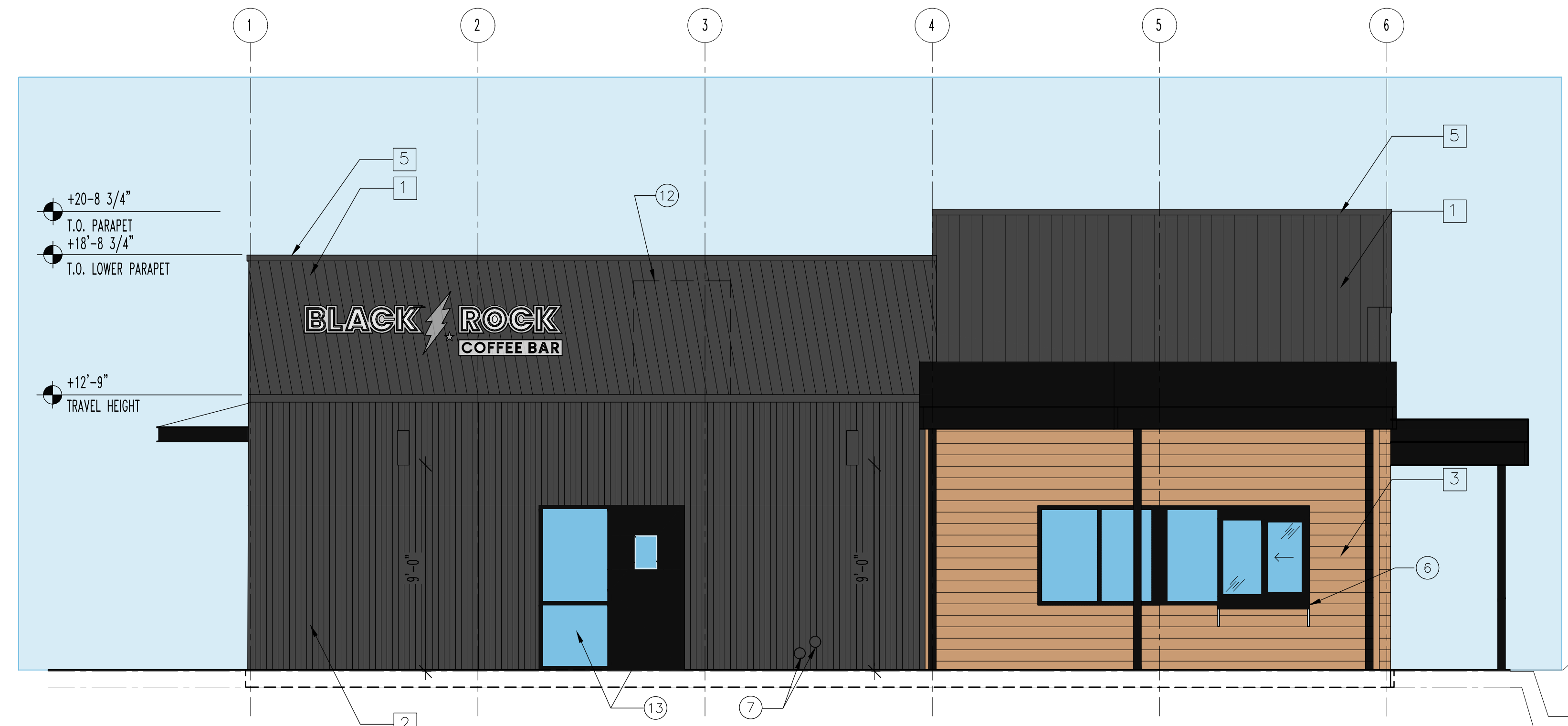


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1/4"=1'-0"
WEST ELEVATION



1/4"=1'-0"
SOUTH ELEVATION

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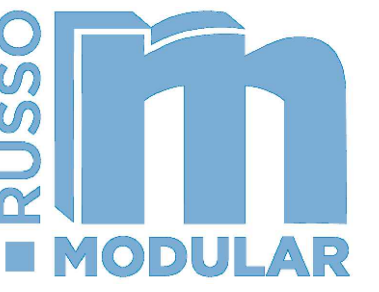
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FINISH SCHEDULE

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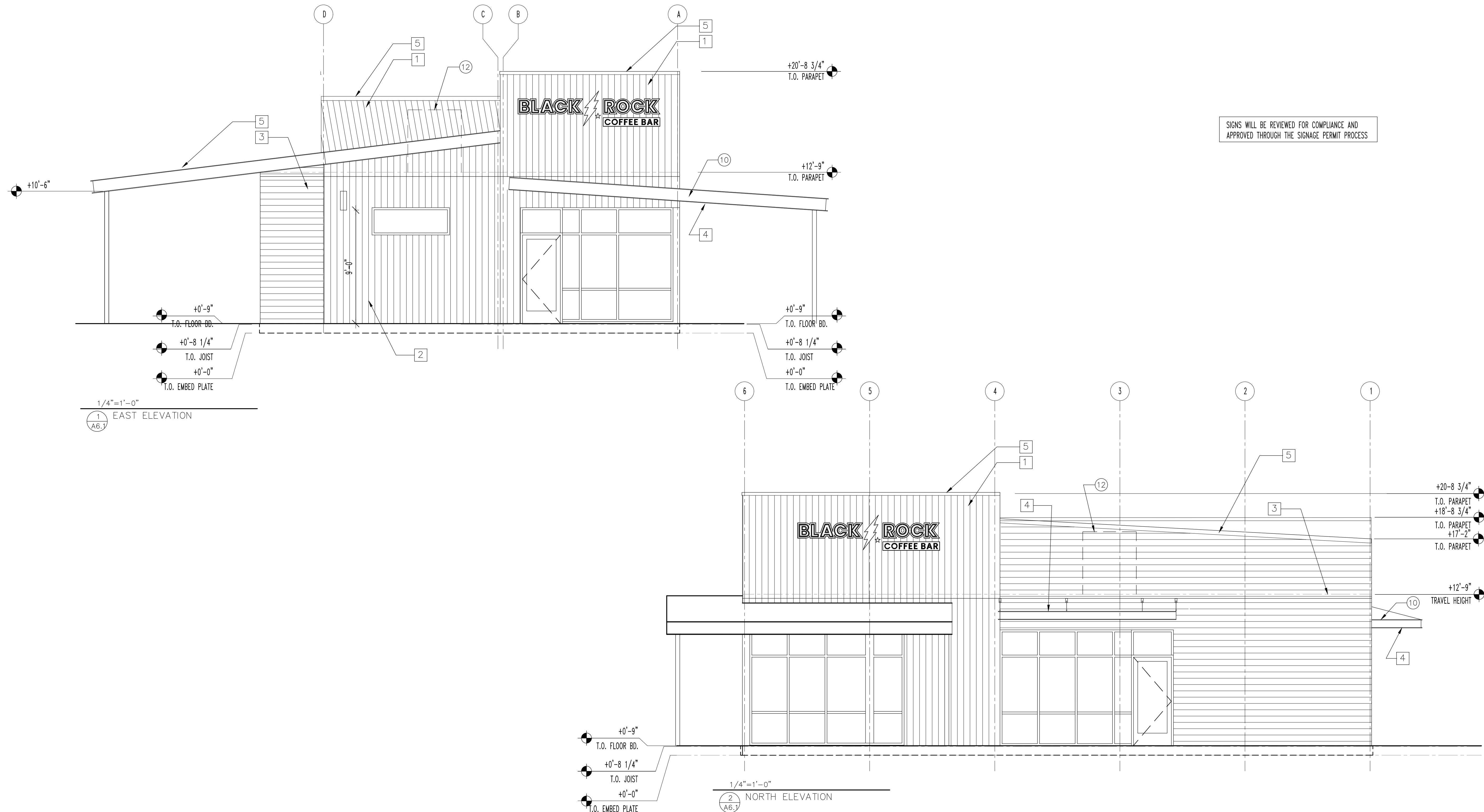
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- SCREENED ROOFTOP MECHANICAL ELECTRICAL METER AND DISCONNECT SCREEN WALL



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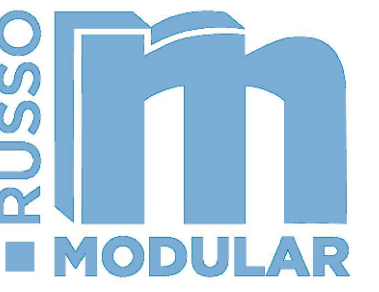
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