

PLANNED UNIT DEVELOPMENT FIRST AMENDMENT
FOR
LOT 2A

CENTENNIAL VALLEY
PARCEL L, FILING NO. 1, REPLAT A
CITY OF LOUISVILLE, COUNTY OF BOULDER, STATE OF COLORADO

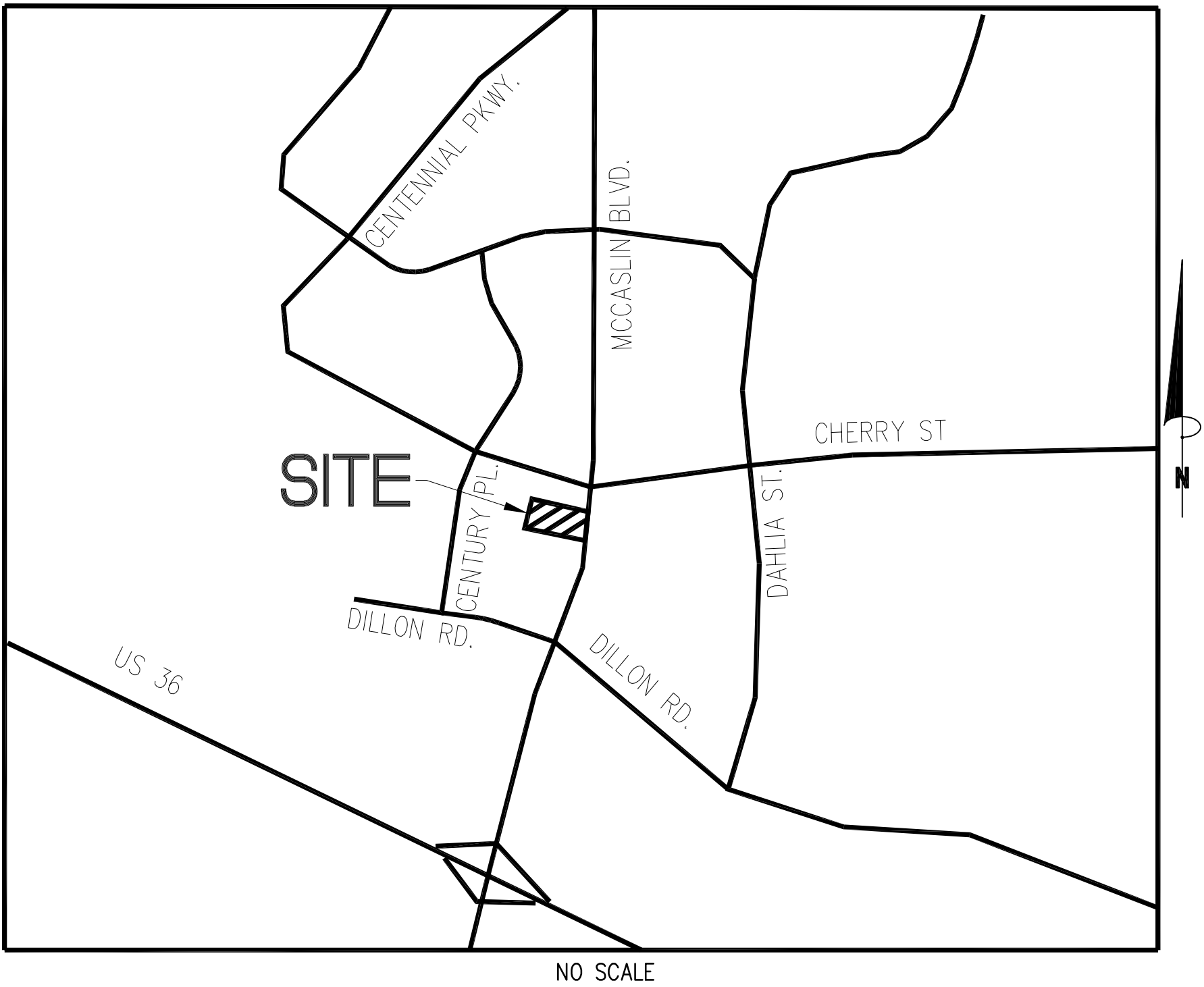
LAND USE DATA SUMMARY

<u>SITE COVERAGE</u>	<u>LOT 2A</u>			
	SQ. FT	ACRES	PERCENT	
BUILDING AREA	2,824	0.065	4.3%	
SOFT LANDSCAPE AREA	21,872	0.502	33.6%	
HARD LANDSCAPE AREA	250	0.006	0.4%	
SIDEWALK AREA	3,279	0.075	5.0%	
TOTAL OPEN SPACE AREA	25,401	0.583	39.0%	
HARDESCAPE AREA	36,878	0.847	56.6%	
TOTAL SITE AREA	65,103	1.495	100.0%	
<u>PARKING</u>	<u>REQUIRED</u>	<u>PROVIDED</u>		
STANDARD (17.5'/19'X9')	4.5/1,000SF =12.6	14		
ACCESSIBLE(17.5'/19'X8')	N/A	2		
EV INSTALLED	5% (16) = 0.8	2		
EV READY	10% (16) = 1.6	2		
EV CAPABLE	10% (16) = 1.6	2		
BIKE	1/10 PARKING SPACES	3		
<u>SETBACKS PROVIDED</u>	<u>REQUIRED</u>	<u>PROVIDED</u>		
<u>DIMENSIONS FROM (PL)</u>	<u>BUILDING</u>	<u>PARKING</u>	<u>BUILDING</u>	<u>PARKING</u>
NORTH	10'	10'	51.3'	26.4'
EAST	30'	25'	171.3'	105.3'
SOUTH	10'	10'	69.1'	46.3'
WEST	10'	10'	107.1'	145.8'

PROJECT DESCRIPTION:

THE PROPOSED PROJECT IS THE REDEVELOPMENT OF THE SITE AT 525 S MCCASLIN BLVD, CURRENTLY THE SITE IS AN EXISTING RETAIL BUILDING WITH ASSOCIATED PARKING AND LANDSCAPING. THE SITE WILL BE DEMOLISHED BEFORE CONSTRUCTION BEGINS ON THE PROPOSED DEVELOPMENT. PROPOSED IMPROVEMENTS ARE THE ADDITION OF A NEW 2,824 SF CONVENIENCE STORE AND AN EIGHT-PUMP FUELING STATION WITH CANOPY ALONG WITH ASSOCIATED PARKING, DRIVEWAYS AND LANDSCAPE AREA. THE PROJECT INCLUDES LIMITED ADJUSTMENTS TO THE LOCATIONS OF THE EXISTING FULL ACCESS DRIVEWAYS ON THE SOUTHERN AND WESTERN PRIVATE DRIVES AS WELL AS THE ADDITION OF A FULL ACCESS DRIVEWAY ALONG THE NORTHERN ACCESS DRIVE SHARED WITH LOT 1A OF THE PUD.

VICINITY MAP



NO SCALE

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	SITE PLAN
3	LANDSCAPING NOTES AND DETAILS
4	PLANTING PLAN
5	TREE SURVEY
6	GRADING PLAN
7	UTILITY PLAN
8	EMERGENCY ACCESS PLAN
9-10	SITE DETAILS
11	ARCHITECTURAL ELEVATIONS (BUILDING)
12	ARCHITECTURAL ELEVATIONS (BUILDING)
13	ARCHITECTURAL ELEVATIONS (CANOPY)
14	PHOTOMETRIC PLAN
15	PHOTOMETRIC DETAILS

LEGAL DESCRIPTION

LOT 2A, CENTENNIAL VALLEY PARCEL L, FILING NO. 1, REPLAT A, CITY OF LOUISVILLE, COUNTY OF BOULDER, STATE OF COLORADO.

SIGNATURE BLOCKS

PLANNING COMMISSION CERTIFICATE

RECOMMENDED APPROVAL THIS ____ DAY OF _____, 20____ BY THE PLANNING COMMISSION OF THE CITY OF LOUISVILLE, COLORADO. RESOLUTION NO. _____, SERIES NO. _____

CITY COUNCIL CERTIFICATE

APPROVED THIS ____ DAY OF _____, 20____ BY THE CITY COUNCIL OF THE CITY OF LOUISVILLE, COLORADO. RESOLUTION NO. _____, SERIES NO. _____

MAYOR _____ CITY CLERK _____

CLERK + RECORDER CERTIFICATE - COUNTY OF BOULDER, STATE OF COLORADO

I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED IN MY OFFICE AT ____ O'CLOCK, ____M, THIS ____ DAY OF _____, 20____, AND IS RECORDED IN PLAN FILE _____, FEE _____, PAID _____ FILM NO. _____, RECEPTION

RECORDER _____ DEPUTY _____

OWNERSHIP SIGNATURE BLOCK

The undersigned as the owner of the lands described herein, hereby agrees on behalf of itself, and its heirs, successors and assigns to develop and maintain the property described hereon in accordance and compliance with this approved plan and the Louisville Municipal Code.

C.V. Retail III, LLC, a Colorado limited liability company

Witness my/our hand(s) and seal(s) this ____ day of _____, 20____.

BY: _____

(insert name, title)

SEAL:

Notary Signature

MY COMMISSION EXPIRES _____

SHEET NO.

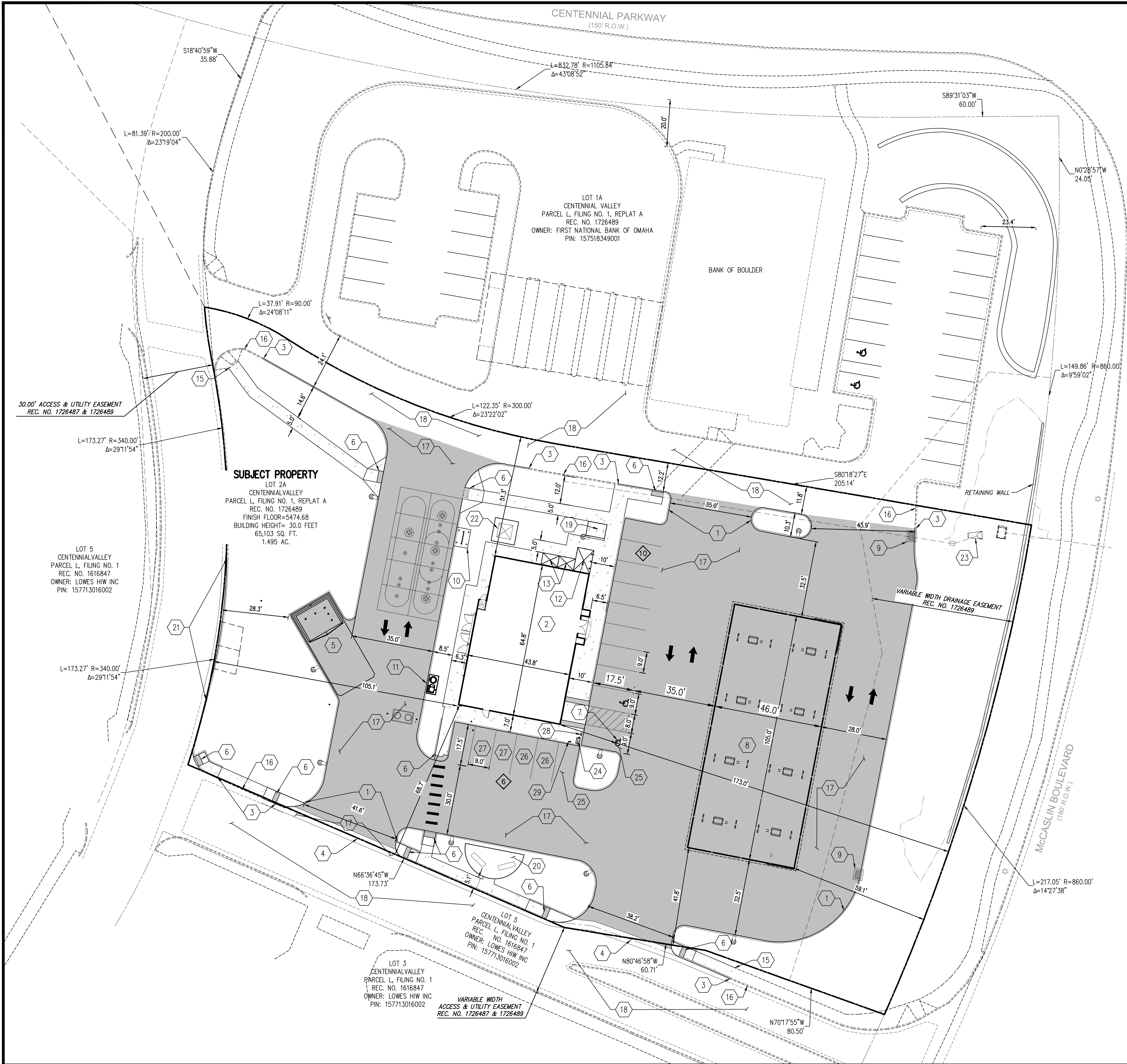
1 OF 15

COVER SHEET
MURPHY EXPRESS
525 S MCCASLIN BLVD
LOUISVILLE
COLORADO

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

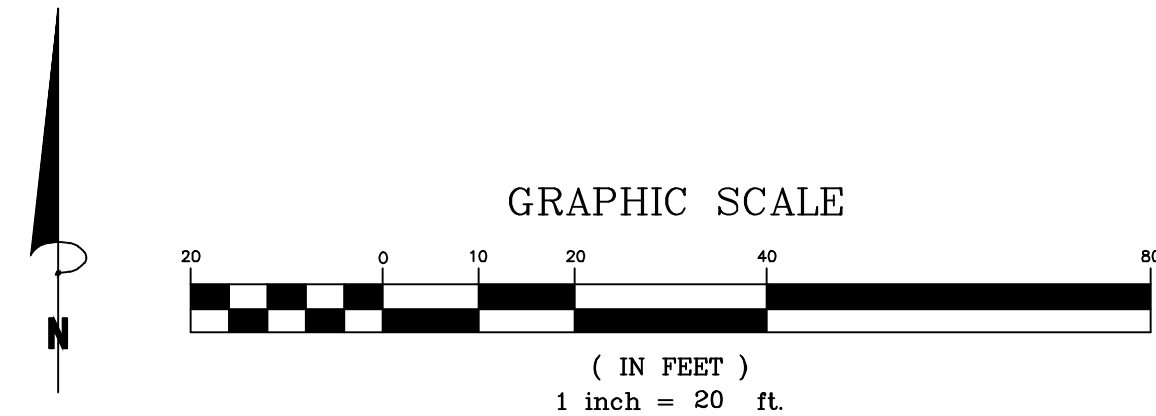




KEY NOTES	
1	PROPOSED 6" INTEGRAL CURB
2	PROPOSED 2,824 SF C-STORE
3	MATCH EXISTING ADJACENT CURB TYPE
4	PROPOSED CROSS PAN
5	PROPOSED TRASH ENCLOSURE
6	PROPOSED ADA RAMP
7	PROPOSED ADA PARKING
8	PROPOSED FUEL CANOPY (SEE ARCHITECT PLANS)
9	PROPOSED INLET
10	PROPOSED FUEL VENTS
11	PROPOSED AIR/VACUUM STATION
12	PROPOSED 7' X 10' CONCRETE SLAB FOR PROPANE TANKS
13	PROPOSED ICE UNIT
14	PROPOSED ACCESSIBLE PARKING SIGN
15	PROPOSED CONNECTION TO EXISTING SIDEWALK
16	EXISTING CURB & GUTTER TO REMAIN
17	PROPOSED CONCRETE PAVEMENT
18	EXISTING PAVEMENT TO REMAIN
19	PROPOSED BICYCLE RACK
20	RELOCATE EXISTING BENCHES (APPROX.)
21	PROPOSED 6" CURB AND GUTTER
22	PROPOSED TRANSFORMER
23	PROPOSED FLARED END SECTION
24	DUAL PORT EV CAR CHARGING STATION TO SERVE (2) PARKING SPACES
25	EV CHARGING PARKING STALL
26	EV READY PARKING STALL
27	EV CAPABLE PARKING STALL
28	EV CHARGING AND HANDICAP PARKING SIGN
29	EV PARKING SIGN

- NOTES:**
- THIS SITE IS NOT LOCATED IN OR NEAR THE 100-YEAR FLOOD PLAIN.
 - LOT 2A IS ZONED PC2D/C.
 - PARKING AREAS WILL BE CONCRETE SURFACE WITH 6" CURB AND GUTTER.
 - ALL ROOF-MOUNTED EQUIPMENT SHALL BE FULLY SCREENED FROM VIEW FROM THE ADJACENT WALKS.
 - ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE CDDSG.
 - OWNER SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF LANDSCAPE IMPROVEMENTS WITHIN THE PUBLIC RIGHT-OF-WAY THAT IS ADJACENT TO THE SITE.
 - A DECLARATION OF EASEMENTS AGREEMENT (RECEPTION NO. 01616850 RECORDED JUNE 1996 BOULDER COUNTY RECORDS) PROVIDES FOR CROSS ACCESS AND CROSS PARKING THROUGHOUT THE ENTIRE PROPERTY.
 - THE BUILDING WILL BE BUILT AT THE FINISHED FLOOR ELEVATION SHOWN, AND ALL GRADING WILL BE DONE AS SHOWN ON THE PLAN WITHIN NORMAL CONSTRUCTION TOLERANCES (+/- 0.2 FEET). A SURVEYED BUILDING ELEVATION CERTIFICATE WILL BE PROVIDED AT THE TIME OF THE BUILDING FOUNDATION INSPECTION.
 - ALL PEDESTRIAN ACCESS ROUTES WILL BE HANDICAP ACCESSIBLE.

LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	PROPERTY LINE	
	ADJACENT PROPERTY LINE	
	EASEMENT	
	EDGE OF PAVEMENT	
	SWALE FLOW LINE	
	VERTICAL CURB AND GUTTER	
	CONCRETE SIDEWALK	
	CONCRETE PAVEMENT	



SHEET NO.
2 OF 15

SITE PLAN
MURPHY EXPRESS
525 S McCASLIN BLVD
LOUISVILLE
COLORADO

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730
MURPHY
USA

1. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. PRIOR TO EXCAVATION, UNDERGROUND UTILITIES MUST BE FIELD VERIFIED. PROTECT ALL EXISTING SITE FEATURES TO REMAIN FROM POTENTIAL DAMAGE BY SITE CONSTRUCTION OPERATIONS. AVOID ANY WORK BEYOND SCOPE OF PROJECT AREA.
2. ALL LANDSCAPING AND IRRIGATION CONSTRUCTION MUST BE IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL CODES AND DEVELOPMENT STANDARDS, UNIFORM BUILDING CODES, PERMIT CONDITIONS, AND ALL OTHER APPLICABLE CODES, ORDINANCES, STANDARDS, AND POLICIES.
3. LANDSCAPE CONTRACTOR SHALL COORDINATE THE INSTALLATION SCHEDULE WITH THE DEVELOPER AND/OR GENERAL CONTRACTOR TO AVOID CONFLICTS AND DELAYS IN CONSTRUCTION. ALL ACCESS TO SITE, USE OF UTILITIES, STORAGE, AND OTHER REQUIREMENTS SHALL BE COORDINATED PRIOR TO BEGINNING WORK.
4. CONTRACTOR IS RESPONSIBLE TO INSPECT AND CONFIRM SITE CONDITIONS PRIOR TO BEGINNING WORK. COMMENCEMENT OF WORK SHALL SIGNIFY ALL CONDITIONS ARE ACCEPTABLE AND NO ALLOWANCE WILL BE MADE FOR UNRECOGNIZED CONDITIONS AFTER START OF WORK.
5. CONTRACTOR IS RESPONSIBLE TO CONFIRM USE OF THE MOST CURRENT DESIGN DRAWINGS PRIOR TO BEGINNING WORK. A PART OF THE APPROVAL OF THE CONTRACT SHALL BE WHENEVER CONSTRUCTION IS IN PROGRESS.
6. NOTIFY OWNER/LANDSCAPE ARCHITECT IMMEDIATELY UPON DISCOVERY OF UNFORESEEN SITE CONDITIONS OR PLAN DISCREPANCIES. NO CHANGE TO SPECIFIED WORK SHALL BE COMPLETED WITHOUT VERIFICATION OF EXISTING CONDITIONS AND WRITTEN APPROVAL OF MODIFICATION BY THE LANDSCAPE ARCHITECT.
7. IF CONDITIONS DO NOT ALLOW STRICT CONFORMANCE TO THE NOTES AND DETAILS, THE CONTRACTOR SHALL REQUEST APPROVAL FROM THE OWNER/OWNERS REPRESENTATIVE & CITY OF LOUISVILLE BEFORE PERFORMING WORK IN AN ALTERNATIVE MANNER. FIELD CHANGES TO THESE PLANS ARE TO BE APPROVED BY THE CITY OF LOUISVILLE PRIOR TO ANY WORK. FIELD CONDITIONS THAT CONFLICT WITH OR JEOPARDIZE THE LONGEVITY OF THE PROPOSED IMPROVEMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/OWNERS REPRESENTATIVE AND THE CITY OF LOUISVILLE FOR RESOLUTION. FAILURE TO BRING SUCH MATTERS TO THE OWNERS/TOWNS ATTENTION OR TO OBTAIN APPROVAL OF REMEDIAL MEASURES WILL IN NO WAY RELIEVE THE CONTRACTOR OF THEIR OBLIGATION TO RESOLVE THE MATTER TO THE SATISFACTION OF THE OWNER/OWNERS REPRESENTATIVE AND THE CITY OF LOUISVILLE.
8. THE CITY OF LOUISVILLE RESERVES THE RIGHT TO MODIFY INFORMATION FOR CONFORMANCE TO CITY CODE/POLICY.
9. IRRIGATION AND LANDSCAPE DRAWINGS WILL REQUIRE STAFF APPROVAL PRIOR TO CONSTRUCTION.

1. ALL SURVEY AND BASE INFORMATION HAS BEEN PROVIDED BY PROOF CIVIL CONSULTING ENGINEERS. CONTRACTOR SHALL COORDINATE ALL BACKGROUND INFORMATION WITH OTHER CONSULTANTS PRIOR TO START OF WORK.

1. CONTRACTOR SHALL OBTAIN APPLICABLE LICENSES, STANDARDS, SPECIFICATIONS, PERMITS, BONDS, ETC. WHICH ARE NECESSARY TO PERFORM THE WORK PRIOR TO THE COMMENCEMENT OF ANY WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER/OWNERS REPRESENTATIVE AT LEAST 48 HOURS PRIOR TO START UP OR RESTART OF ANY WORK.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER/OWNERS REPRESENTATIVE, AND/OR MUNICIPAL INSPECTOR AT LEAST 48 HOURS PRIOR TO THE DESIRED INSPECTION.

1. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS AT THE WORK SITE, INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY, DURING THE PERFORMANCE OF THE LANDSCAPE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS.
2. THE CONTRACTOR SHALL COORDINATE WITH ALL OTHER DISCIPLINES AND PROVIDE ADDITIONAL SIGNS, BARRICADES, FLAGPERSONS, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY FOR THE DURATION OF LANDSCAPE CONSTRUCTION.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND OTHER CONDITIONS PRIOR TO BIDDING, ORDERING OR FABRICATION OF ANY MATERIAL, AND PRIOR TO UNDERTAKING ANY PORTION OF THE WORK. REPORT ANY DISCREPANCIES TO THE OWNER. ANY DEVIATION FROM THESE PLANS MUST BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
4. THE LANDSCAPE CONTRACTOR SHALL INSURE THAT THEIR WORK DOES NOT IMPACT ESTABLISHED OR PROJECTED DRAINAGE PATTERNS.

1. AT ALL TIMES THE CONTRACTOR SHALL TAKE PRECAUTIONS FOR PROTECTION OF EXISTING PUBLIC AND PRIVATE INSTALLATIONS THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. ANY DAMAGED INSTALLATIONS, PUBLIC OR PRIVATE SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

1. UNDERGROUND UTILITIES MUST BE FIELD VERIFIED. LOCATION OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND NOT NECESSARILY COMPLETE. OWNER AND CONSULTANTS ASSUME NO RESPONSIBILITY FOR THE LOCATIONS AND ACCURACY OF UTILITIES SHOWN. CALL THE UTILITY NOTIFICATION CENTER OF COLORADO (800) 922-1987 FOR UTILITY LOCATES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING UTILITY LOCATIONS PRIOR TO THE START OF WORK. CONTRACTOR SHALL NOTIFY OWNER OF ANY CONDITIONS THAT VARY FROM PLANS PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND REPAIR OF UTILITIES IF DAMAGED. REPAIR SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER. ALL WORK IN UTILITY EASEMENTS SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS OF THE GOVERNING AGENCY.

1. THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF WORK. THE CONTRACTOR, AT THEIR OWN EXPENSE, SHALL RESTORE ANY DISTURBANCE BEYOND THESE LIMITS TO ORIGINAL CONDITION.

1. CONTRACTOR SHALL KEEP CURRENT A SET OF CONSTRUCTION RECORD DRAWINGS ("AS-BUILTS") ON SITE AT ALL TIMES. LABEL EACH DOCUMENT "RECORD DOCUMENT". MARK ALL INFORMATION WITH CONTRASTING COLOR USING INK. KEEP EACH RECORD CURRENT. DO NOT PERMANENTLY CONCEAL ANY WORK UNTIL REQUIRED INFORMATION IS RECORDED. MAINTAIN RECORD DOCUMENTS IN A CLEAN, DRY, LEGIBLE CONDITION, APART FROM DOCUMENTS USED FOR CONSTRUCTION.
2. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING "AS-BUILT" DRAWINGS OF THE INSTALLED LANDSCAPE AND IRRIGATION TO THE OWNER.

- LANDSCAPE CONTRACTOR SHALL PROVIDE PLANT MATERIALS THAT SHALL MEET OR EXCEED CURRENT AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1 AND THE COLORADO NURSERY ACT AND ACCOMPANYING RULES AND REGULATIONS UNLESS OTHERWISE SPECIFIED.
2. ALL PLANT MATERIAL SIZES SPECIFIED ARE MINIMUM SIZES. ALL CONTAINER AND TREE CALIPER SIZES ARE MINIMUM. CONTAINER OR CALIPER SIZE MAY BE INCREASED IF NECESSARY TO PROVIDE OVERALL PLANT SIZE SPECIFIED.
3. PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS AND MATERIALS MANAGEMENT WITH THE LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT LEAST 2 WEEKS PRIOR TO PROCUREMENT AND DELIVERY TO THE JOB SITE.
4. ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL AT THE JOB SITE BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. WHEN DELIVERED PLANT MATERIAL DOES NOT COMPLY WITH THE REQUIREMENTS, THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT SUCH PLANTS AND REQUIRE THE LANDSCAPE CONTRACTOR TO REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL RE-INSPECTED AND FOUND TO BE ACCEPTABLE.
5. NO PLANT SUBSTITUTIONS WILL BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE LANDSCAPE ARCHITECT. IF SPECIFIED PLANT MATERIALS ARE NOT AVAILABLE, IDENTIFY THE EXTENT AND QUANTITY IN WRITING TOGETHER WITH A RECOMMENDED SUBSTITUTION THAT MEETS OR EXCEEDS THE INITIAL REQUIREMENT.
6. CONTRACTOR SHALL COORDINATE FINAL TREE LOCATIONS WITH ALL OTHER DISCIPLINES. PROVIDE 5' MINIMUM SPACING FROM UTILITIES.
7. CONTRACTOR SHALL VERIFY AND MAINTAIN ALL SETBACKS, CLEAR ZONES AND SIGHT TRIANGLES REQUIRED BY ALL LOCAL AND MUNICIPAL CODES WHERE APPLICABLE.
8. LANDSCAPE CONTRACTOR SHALL LOCATE AND STAKE ALL TREES, SHRUBS AND PLANTING BEDS ACCORDING TO LOCATIONS SHOWN ON DRAWINGS. ALL PLANTING STAKE LOCATIONS SHALL BE SUBJECT TO REVIEW AND APPROVAL BY OWNER PRIOR TO THE START OF PLANTING OPERATIONS. LANDSCAPE CONTRACTOR SHALL MAKE MODIFICATIONS IN STAKE LOCATIONS AS DIRECTED BY OWNER.
9. ALL PROPOSED TREES SHALL BE INSTALLED EITHER ENTIRELY IN OR ENTIRELY OUT OF PLANTING BEDS. IF TREES ARE LOCATED OUTSIDE PLANTING BEDS IN SOD AREAS, MAINTAIN A MINIMUM 3' WIDE OFFSET TO ALLOW FOR MOWERS TO MANEUVER.
10. TREES PLANTED WITHIN THE RIGHT-OF-WAY AND WITHIN FIVE FEET FROM THE BACK OF CURB OR SIDEWALK WILL REQUIRE INSTALLATION OF A ROOT BARRIER.
11. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY AND PLUMB CONDITION OF ALL INSTALLED PLANT MATERIALS AND REPLACING ANY DAMAGED PLANT MATERIAL WITH PLANTS OF EQUAL KIND, SIZE AND CONDITION AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL REMOVE ALL STAKING MATERIALS THE END OF THE WARRANTY PERIOD AND DISPOSE OFFSITE.
12. CONTRACTOR SHALL HAND DIG ALL PLANTING PITS ADJACENT TO UTILITIES.
13. ALL TREES SHALL HAVE TREE WRAP INSTALLED AND PROVIDED PER TYPICAL NURSERY STANDARDS FOR THE FIRST WINTER SEASON.
14. LANDSCAPE CONTRACTOR SHALL PROVIDE PLANT PROTECTION AND DELIVERY AS FOLLOWS:
 - A. ALL PLANT MATERIAL SHALL BE PROTECTED FROM TIME OF DIGGING TO TIME OF FINAL ACCEPTANCE, FROM INJURY, COEXCESSIVE DRYING FROM WINDS, IMPROPER VENTILATION, OVER-WATERING, FREEZING, HIGH TEMPERATURES, OR ANY OTHER CONDITION DAMAGING TO PLANTS.
 - B. PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY IF POSSIBLE. ALL PLANTS NOT PLANTED ON THE DAY OF DELIVERY SHALL BE PLACED IN A TEMPORARY NURSERY AND KEPT MOIST, SHADED, AND PROTECTED FROM THE SUN AND WIND. EACH ROOTBALL SHALL BE COVERED ENTIRELY WITH MULCH. ALL PLANT MATERIALS SHALL BE INSTALLED PER THE PLAN DRAWINGS AND SPECIFICATIONS.
14. LANDSCAPE CONTRACTOR SHALL GUARANTEE SOD AND IRRIGATED PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF INITIAL ACCEPTANCE BY OWNER.
15. LANDSCAPING SHALL BE CONTINUOUSLY MAINTAINED. MAINTENANCE SHALL INCLUDE ALL REASONABLE AND REGULAR WORK: WEED CONTROL, FERTILIZING, PRUNING, TRASH REMOVAL, SNOW AND ICE REMOVAL, TREATMENT OF PLANT MATERIAL THAT SHOW SIGNS OF INSECT PESTS, DISEASES OR DAMAGE; AND REPLACEMENT OF DEAD OR DAMAGED PLANT MATERIAL AS SET FORTH IN THE APPROVED PLAN SET.
16. LANDSCAPE CONTRACTOR TO REMOVE TREE STAKES, TREE WRAP, AND ALL DEAD WOOD ON TREES AND SHRUBS AT THE END OF THE ONE YEAR GUARANTEE PERIOD.

1. ANY PLANTING AREA THAT DOES NOT MEET THE FOLLOWING SOIL PREPARATION REQUIREMENTS ARE SUBJECT TO REJECTION AT LANDSCAPE ARCHITECTS/OWNERS REPRESENTATIVES DISCRETION.
2. LANDSCAPE CONTRACTOR IS REQUIRED TO NOTIFY LANDSCAPE ARCHITECT/OWNERS REPRESENTATIVE A MINIMUM OF 24 HOURS PRIOR TO BEGINNING SOIL PREP WORK. SOIL PREP NOT INSPECTED BY LANDSCAPE ARCHITECT/OWNERS REPRESENTATIVE IS SUBJECT TO REJECTION AT ANYTIME PRIOR TO INITIAL ACCEPTANCE.
3. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECTS TO LANDSCAPE ARCHITECT/OWNERS REPRESENTATIVE FOR A ORGANIC SOIL AMENDMENTS WITHIN 24 HOURS AFTER DELIVERY.
4. TOPSOIL SHALL BE FERTILE, FRIABLE, SANDY LOAM FROM THE 'A' HORIZON AND SHALL BE FREE OF STONES OVER 75" IN DIAMETER, REFUSE, PLANTS OR THEIR ROOTS, STICKS, NOXIOUS WEEDS, SALTS, SOIL STERILANTS, OR OTHER MATERIAL WHICH WOULD BE DETRIMENTAL TO PLANT GROWTH.
5. ORGANIC SOIL AMENDMENT SHALL CONSIST OF DRY, WELT-ROTTED, PULVERIZED, AGED MINIMUM ONE YEAR ORGANIC COMPOST CLASS I TYPE SUCH AS AVAILABLE FROM A-1 COMPOST, JENSEN SALES. PULVERIZED HORSE, SHEEP OR DAIRY COW MANURE NOT ACCEPTABLE. SUBMIT DATED RECENT MATERIAL ANALYSIS TO LANDSCAPE ARCHITECT/OWNERS REPRESENTATIVE TO GUARANTEE PRODUCT CONDITION AND PROOF NO LIVE WEED SEEDS AND CHEMICAL ADDITIVES ARE PRESENT.
6. SOIL PREPARATION FOR AREAS TO BE SODDED SHALL INCLUDE TOPSOIL AND ORGANIC MATTER ADDED AT A RATE OF FIVE CUBIC YARDS PER ONE THOUSAND SQUARE FEET AND TILLED EIGHT (8) INCHES INTO THE SOIL. INCREASE AMENDMENT QUANTITIES AS NEEDED PER SOILS TEST RECOMMENDATIONS.
7. PREPARED BACKFILL FOR TREE/SHRUB PLANTING SHALL BE A MIX OF 2/3 IMPORTED/ SALVAGED TOPSOIL AND 1/3 ORGANIC SOIL AMENDMENT. WHERE TREES AND SHRUBS ARE LOCATED IN LARGE BEDS PROVIDE SOIL AMENDMENT AT A RATE OF FIVE CUBIC YARDS PER ONE THOUSAND SQUARE FEET AND TILL EIGHT INCHES INTO THE SOIL THROUGHOUT THE ENTIRE PLANTING BED, NOT JUST IN EXCAVATED PLANTING HOLES.

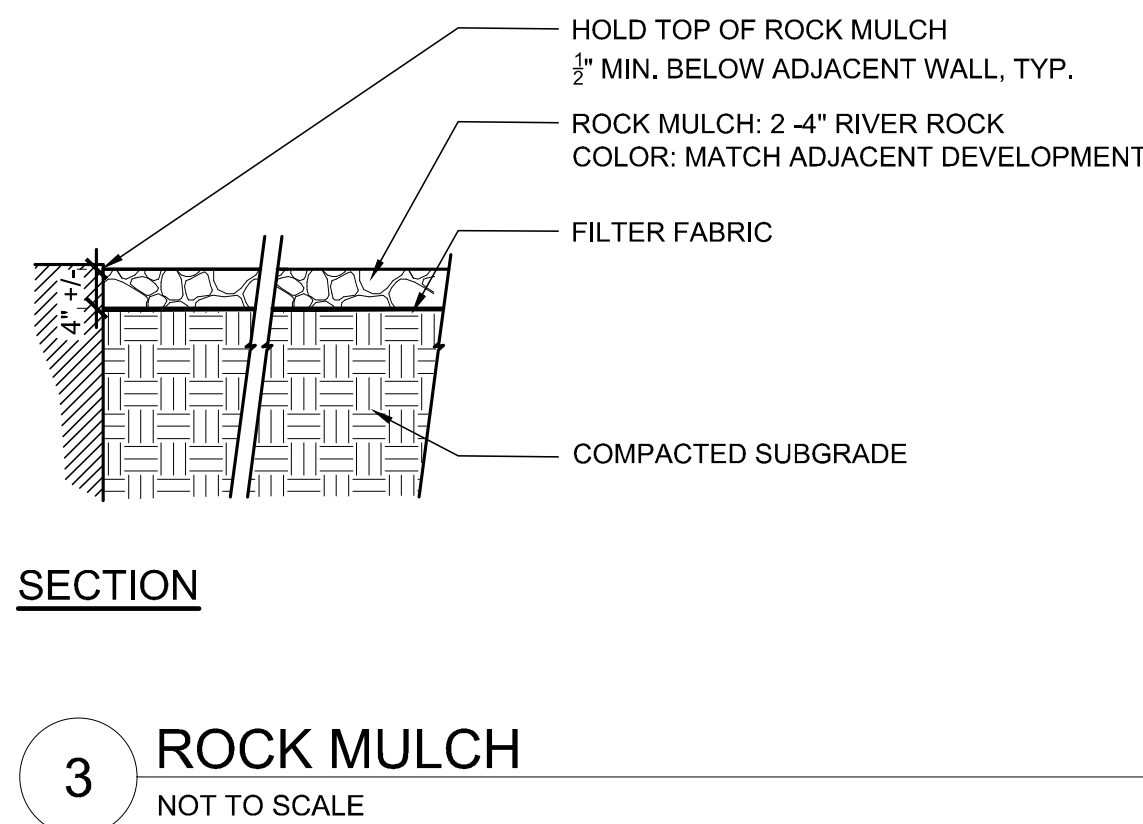
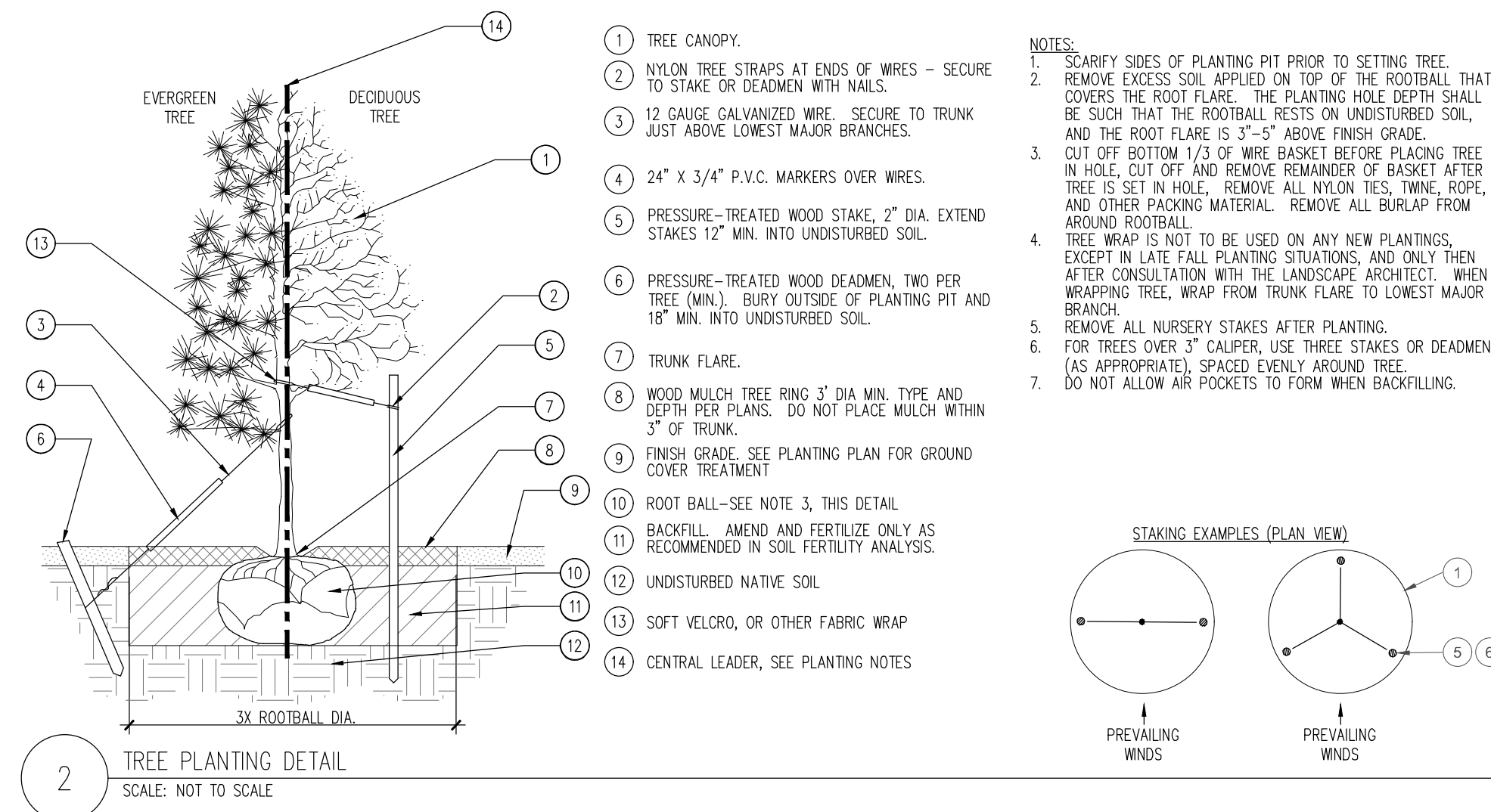
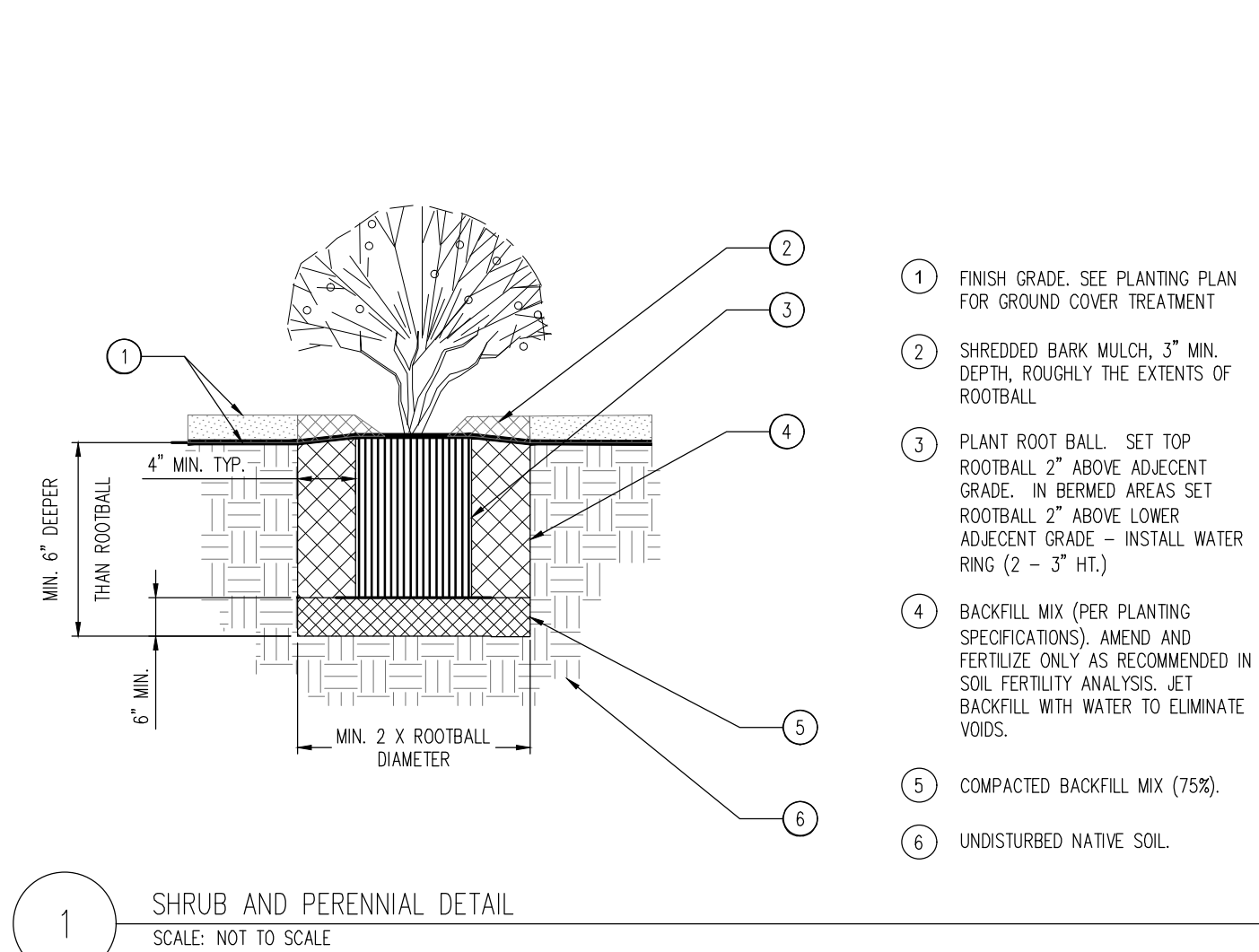
1. **EDGING:** 3/16" X 5 1/2" GREEN PAINTED "RYERSON TYPE" METAL EDGING WITH MILLED EDGE AND ANCHOR STAKES PER MANUFACTURER'S RECOMMENDATIONS OR APPROVED EQUAL.
2. EDGING THAT INTERSECTS / TERMINATES AT SITE ELEMENTS SHALL MEET AT PERPENDICULAR ANGLES.
3. PLANTING BED OUTLINES SHALL NOT BE OBSTRUCTED AND SHALL BE SMOOTH AND FLOWING
4. EDGING THAT TERMINATES ADJACENT TO SIDEWALKS, STONE EDGING, ETC SHALL BE FLUSH OR DEPRESSED BELOW THE FINISHED GRADE OF THE ADJACENT SURFACE.
5. WHERE EDGING OVERLAPS, THE TOP OF THE EDGING SHALL BE EVEN WITH NO PROTRUDING CORNERS OR EDGES.

1. **MULCH SETTING AND DEPTH:** ALL PLANTING BEDS SHALL HAVE MULCH INSTALLED IN ACCORDANCE WITH PLAN DRAWINGS, DETAILS AND SPECIFICATIONS AS NOTED BELOW.
 - A. TREES AND SHRUBS IN PLANTING BEDS - 4" INCH DEPTH OF SPECIFIED MULCH OVER GEOTEXTILE FABRIC. MULCH A MINIMUM OF 3 INCHES CLEAR FROM BASE OF PLANTS.
 - B. TREES IN LAWN AREAS - 3 FOOT DIAMETER MULCH RING WITH 3 INCH DEPTH OF CEDAR FIBER MULCH. DEPTH TO BE MEASURED AFTER SETTLEMENT AND COMPACTING, UNLESS OTHERWISE NOTED ON DRAWINGS AND/OR DETAILS. KEEP MULCH A MINIMUM OF 3 INCHES FROM BASE OF PLANTS. NO GEOTEXTILE SHALL BE USED FOR TREES IN LAWN.
 - C. ALL PLANTS IN ROCK MULCH BED SHALL HAVE A WOOD MULCH RING 1.5X THE CONTAINER SIZE OF THE PLAN.
2. **ROCK MULCH:** A MINIMUM DEPTH OF 4" INCHES OVER THE RIVER ROCK TO MATCH EXISTING ADJACENT DEVELOPMENT. ROCK MULCH WITH GEOTEXTILE FABRIC AS A WEED BARRIER.
3. **ORGANIC MULCH:** CASCADE TWICE SHREDDED CEDAR, NON-DYED OR APPROVED EQUAL A MINIMUM OF 4 INCH DEPTH OVER GEOTEXTILE FABRIC. ALL ORGANIC MULCH AREAS ARE TO BE SPRAYED WITH WATER AFTER INSTALLATION TO MAT DOWN MULCH.
4. **GEOTEXTILE FABRIC (FLAT FIBRIC):** UNDERLAYMENT FABRIC SHALL BE MIRAFI, MIRASCAPE, DUPONT TYPAR 3301 OR APPROVED SUBSTITUTE (SUBMIT SAMPLE).
5. SAMPLES OF ALL MULCH TYPES SHALL BE SUBMITTED TO THE OWNER/OWNERS REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THE OWNER RESERVES THE RIGHT TO MODIFY THE COLOR SELECTION AND/OR SIZE OF THE MULCH DURING THE SUBMITTAL PROCESS.

1. ALL SOD SHALL BE INSTALLED WITHIN 24 HOURS FROM THE TIME OF CUTTING ON A FIRM AND MOIST SUBGRADE. DO NOT PLANT IF SOD IS DORMANT OR THE GROUND IS FROZEN.
2. ALL SOD SHALL BE INSTALLED PARALLEL TO SLOPES TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS. DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. DISC OR ROTOTILL AMENDMENTS, TOPSOIL, AND EXISTING SOIL TO A DEPTH OF 6".
3. GRADE AREAS TO RECEIVE SOD TO A SMOOTH, UNIFORM SURFACE PLANE WITH LOOSE, UNIFORMLY FINE TEXTURE. GRADATIONS WITHIN 1/2" +/- OF FINISH ELEVATION. ROLL AND RAKE. REMOVE RIDGES AND FILL DEPRESSION TO MEET FINISH GRADES.
5. ALL SOD SHALL BE 2ND GENERATION TEXAS HYBRID BLUE GRASS "DURABLE" OR "THERMAL BLUE" SOD THAT IS LOCALLY GROWN. FOR SUBSTITUTION APPROVAL CONTACT THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.

1. IRRESPESCTIVE OF ANY OTHER TERM IN THIS DOCUMENT, LANDSCAPE ARCHITECT SHALL NOT CONTROL OR BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SCHEDULES, SEQUENCES OR PROCEDURES, OR FOR CONSTRUCTION SAFETY OF ANY OTHER RELATED PROGRAMS, OR FOR ANOTHER PARTIES' ERRORS OR OMISSIONS, OR FOR ANOTHER PARTIES' FAILURE TO COMPLETE THEIR WORK OR SERVICES IN ACCORDANCE WITH THE LANDSCAPE ARCHITECT'S DOCUMENTS.

1. REFER TO IRRIGATION PLANS FOR LIMITS AND TYPES OF IRRIGATION DESIGNED FOR THE LANDSCAPE. IN NO CASE SHALL IRRIGATION BE EMITTED WITHIN THE MINIMUM DISTANCE FROM BUILDING OR WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT. ALL IRRIGATION DISTRIBUTION LINES, HEADS AND EMITTERS SHALL BE KEPT OUTSIDE THE MINIMUM DISTANCE AWAY FROM ALL BUILDING AND WALL FOUNDATIONS AS STIPULATED IN THE GEOTECHNICAL REPORT.
2. LANDSCAPE MATERIAL LOCATIONS SHALL HAVE PRECEDENCE OF IRRIGATION MAINLINE AND LATERAL LOCATIONS. COORDINATE INSTALLATION OF IRRIGATION EQUIPMENT SO THAT IT DOES NOT INTERFERE WITH THE PLANTING OF TREES OR OTHER LANDSCAPE MATERIAL.
3. REFER TO IRRIGATION DRAWINGS FOR ADDITIONAL NOTES, REQUIREMENTS, AND DETAILS.



LANDSCAPE CALCULATIONS

TOTAL SITE AREA:	65,103 SF
LANDSCAPE AREA REQUIRED:	19,529 SF (30% OF SITE AREA)
LANDSCAPE AREA PROVIDED:	21,872 SF (33.6% OF SITE AREA)
TOTAL IRRIGATED AREA:	21,872 SF

PERIMETER ADJACENT TO PUBLIC/PRIVATE ROAD

PERIMETER LENGTH - EAST:	217 LF
TREES REQUIRED:	11 TREES (1 PER 20 LF OF FRONTAGE)
TREES PROVIDED:	22 TREES (16 EXISTING, 6 PROPOSED)
PERIMETER LENGTH - SOUTH:	315 LF
TREES REQUIRED:	16 TREES (1 PER 20 LF OF PERIMETER)
TREES PROVIDED:	16 TREES (1 EXISTING, 15 PROPOSED)
PERIMETER LENGTH - WEST:	196 LF
TREES REQUIRED:	5 TREES (1 PER 40 LF OF PERIMETER)
TREES PROVIDED:	5 TREES (3 EXISTING, 2 PROPOSED)

PERIMETER ADJACENT TO PROPERTY

PERIMETER LENGTH - NORTH:	365 LF
TREES REQUIRED:	9 TREES (1 PER 40 LF OF PERIMETER)
TREES PROVIDED:	9 TREES (3 EXISTING, 6 PROPOSED)

PARKING

PARKING SPACES:	16 SPACES
TREES REQUIRED:	2 TREES (1 PER 8 SPACES)
TREES PROVIDED:	2 TREES

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 4" THICK LAYER OF 2-4" ROCK MULCH (COLOR TO MATCH ADJACENT DEVELOPMENT), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

PLANTING LEGEND

SYMBOL	BOTANIC NAME	COMMON NAME	MIN. SIZE	SPACING	QUANTITY	REMARKS
TREES						
ACCS	Acer truncatum x platanoides 'JFS-KW20'	Crimson Sunset Maple	2.5" cal., 8'-10' high	Per plan	6	
GYDI	Gymnocladus dioica 'Espresso'	Seedless Coffee Tree	2.5" cal., 8'-10' high	Per plan	6	
MAJA	Malus 'Jarmin'	Marilee Crabapple	2" cal., 8'-10' high	Per plan	11	
PIGL	Picea glauca 'Densata'	Black Hills Spruce	6' high	Per plan	2	
QURP	Quercus robur x bicolor 'Long'	Regal Prince Oak	2.5" cal., 8'-10' high	Per plan	6	

NOTE: ALL TREES SHALL BE CONTAINER-GROWN, CONTAINER SIZE AS APPROPRIATE FOR THE CALIPER SPECIFIED. SEE SPECIFICATIONS FOR PROPER ROOT QUALITY.

SHRUBS

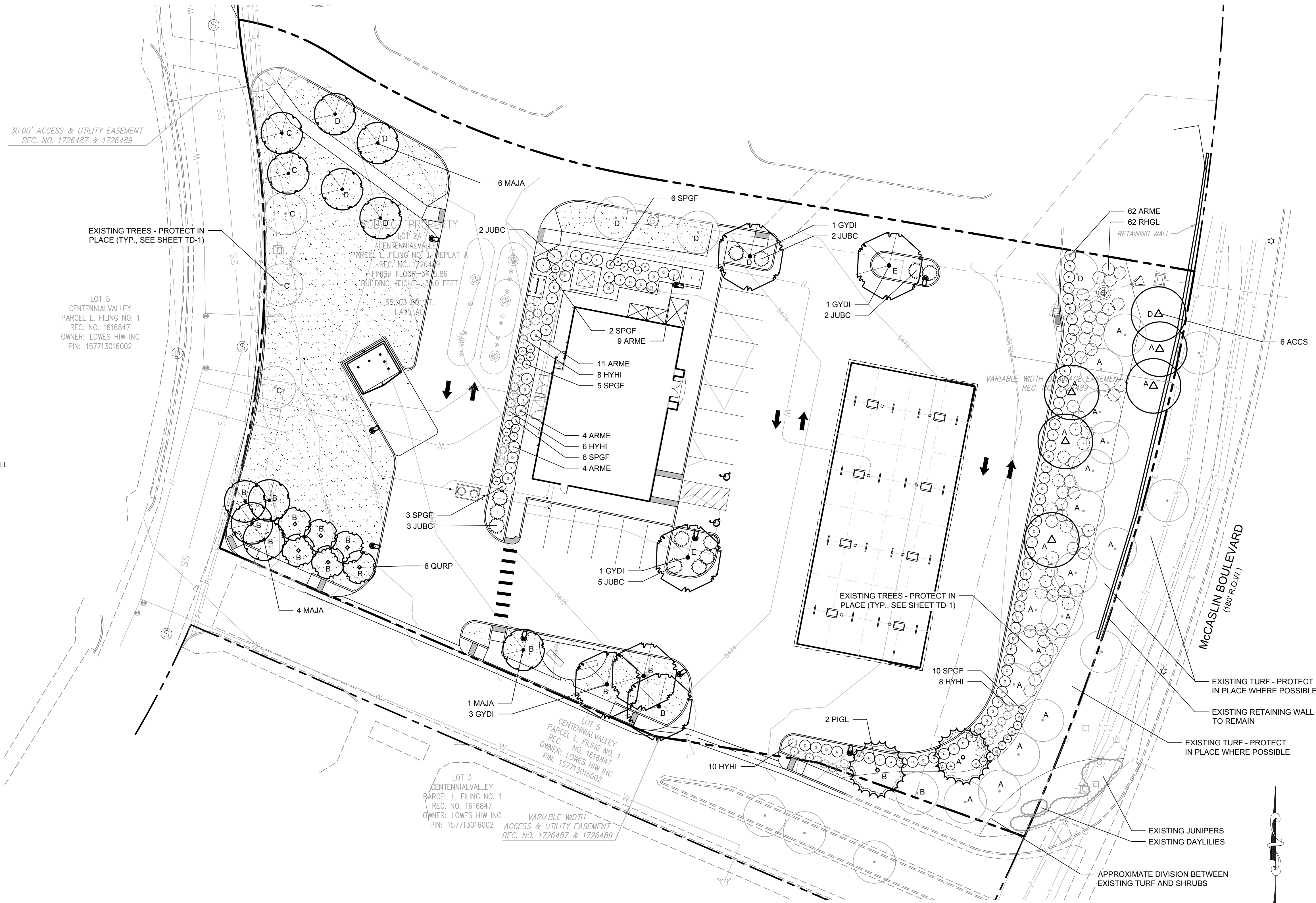
ARME	Aronia melanocarpa	Black Chokecherry	#5 cont.	4' o.c.	90	
HYHI	Hypericum 'Hidcote'	Hidcote St. Johnswort	#5 cont.	3' o.c.	32	
SPGF	Spiraea japonica 'Goldflame'	Goldflame Spiraea	#5 cont.	3' o.c.	32	

GROUNDCOVERS

JUBC	Juniperus horizontalis 'Blue Chip'	Blue Chip Juniper	#5 cont.	5' o.c.	14	
RHGL	Rhus aromatica 'Gro-Low'	Gro-Low Sumac	#3 cont.	5' o.c.	62	

TURF

	Poa 'Thermal Blue'	Thermal Blue Fescue	Sod	---	---	
--	--------------------	---------------------	-----	-----	-----	--



Scale 1" = 20'

SHEET NO.

4 OF 15

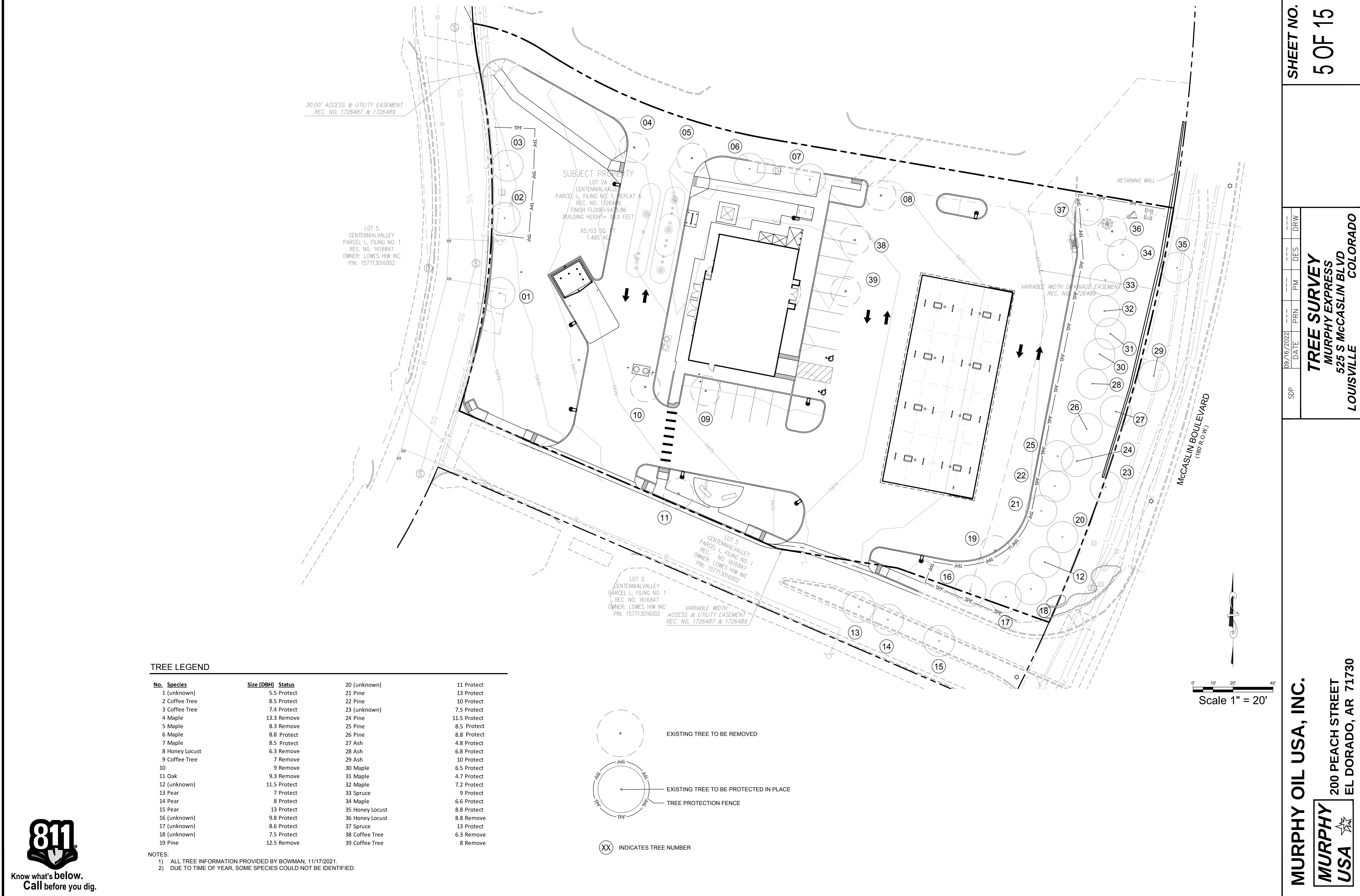
PLANTING PLAN
MURPHY EXPRESS
525 S McCASLIN BLVD
LOUISVILLE
COLORADO

MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

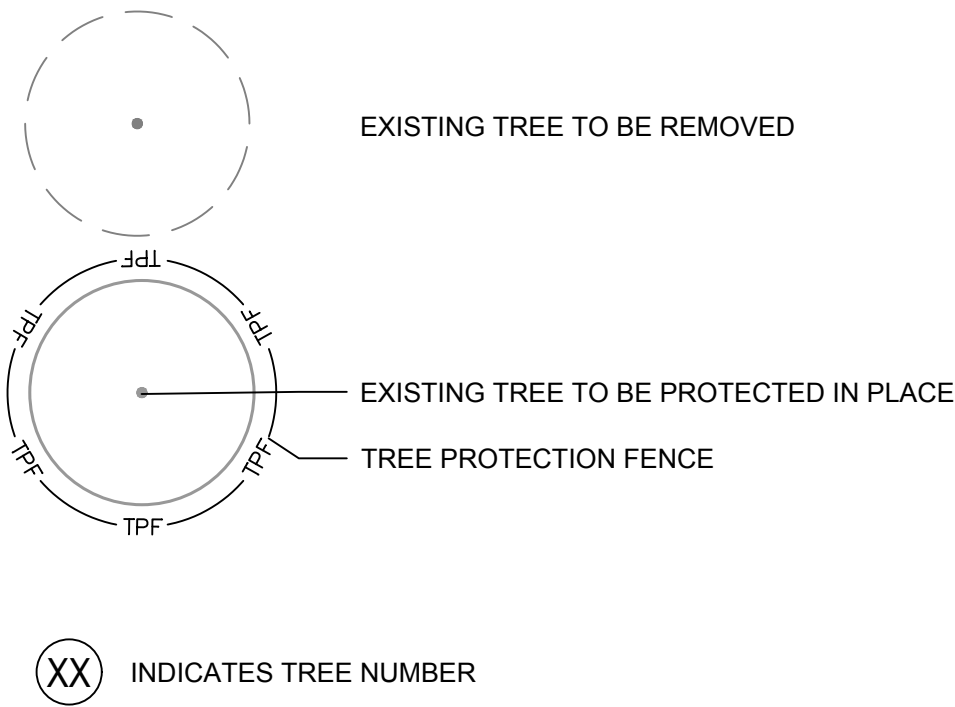


Know what's below.
Call before you dig.



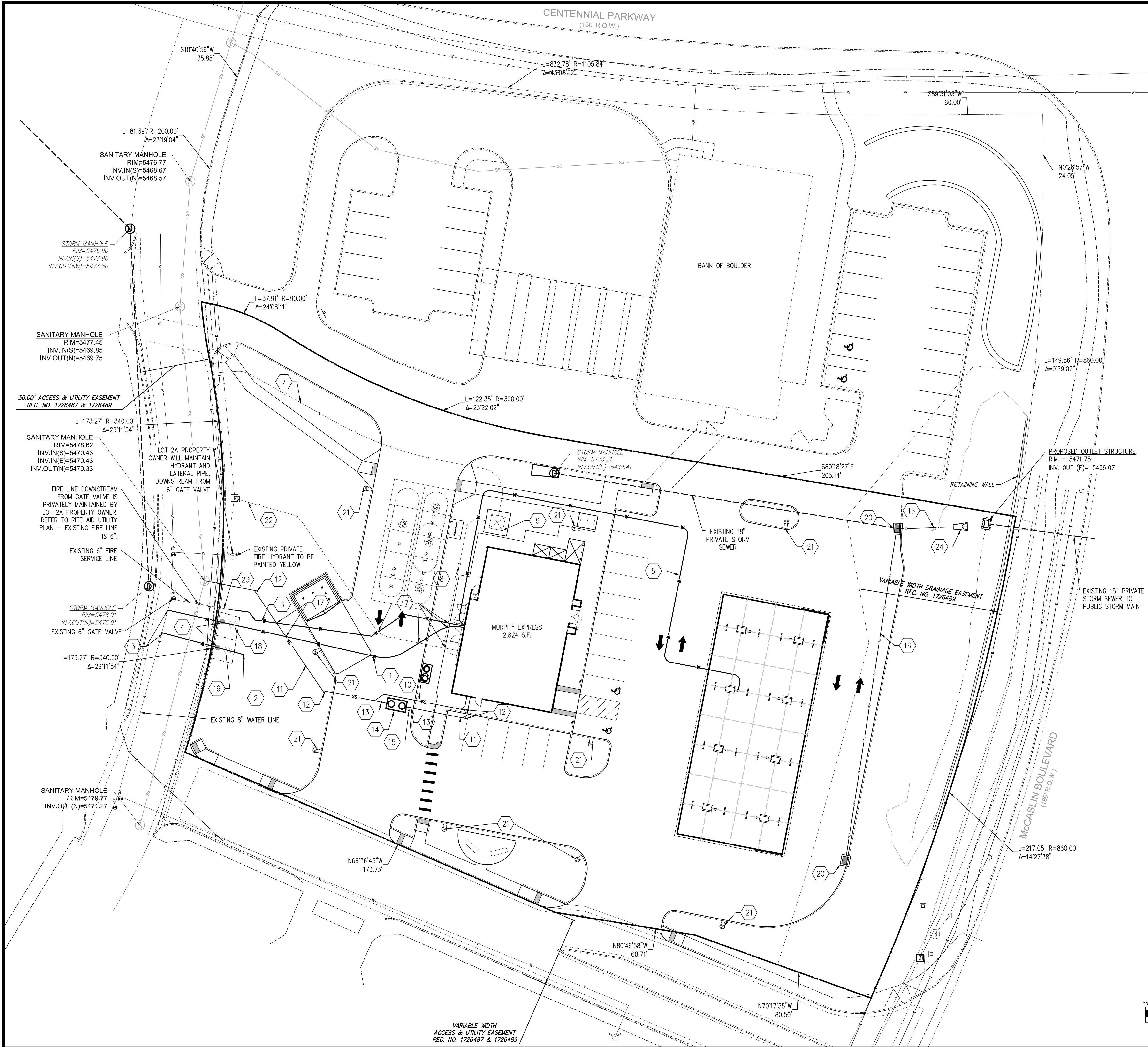
TREE LEGEND

No.	Species	Size (DBH)	Status
1	(unknown)	5.5	Protect
2	Coffee Tree	8.5	Protect
3	Coffee Tree	7.4	Protect
4	Maple	13.3	Remove
5	Maple	8.3	Remove
6	Maple	8.8	Protect
7	Maple	8.5	Protect
8	Honey Locust	6.3	Remove
9	Coffee Tree	7	Remove
10		9	Remove
11	Oak	9.3	Remove
12	(unknown)	11.5	Protect
13	Pear	7	Protect
14	Pear	8	Protect
15	Pear	13	Protect
16	(unknown)	9.8	Protect
17	(unknown)	8.6	Protect
18	(unknown)	7.5	Protect
19	Pine	12.5	Remove
20	(unknown)		
21	Pine		
22	Pine		
23	(unknown)		
24	Pine		
25	Pine		
26	Pine		
27	Ash		
28	Ash		
29	Ash		
30	Maple		
31	Maple		
32	Maple		
33	Spruce		
34	Maple		
35	Honey Locust		
36	Honey Locust		
37	Spruce		
38	Coffee Tree		
39	Coffee Tree		
11	Protect		
13	Protect		
10	Protect		
7.5	Protect		
11.5	Protect		
8.5	Protect		
8.8	Protect		
4.8	Protect		
6.8	Protect		
10	Protect		
6.5	Protect		
4.7	Protect		
7.2	Protect		
9	Protect		
6.6	Protect		
8.8	Protect		
8.8	Remove		
13	Protect		
6.3	Remove		
8	Remove		



NOTES:
1) ALL TREE INFORMATION PROVIDED BY BOWMAN, 11/17/2021.
2) DUE TO TIME OF YEAR, SOME SPECIES COULD NOT BE IDENTIFIED.



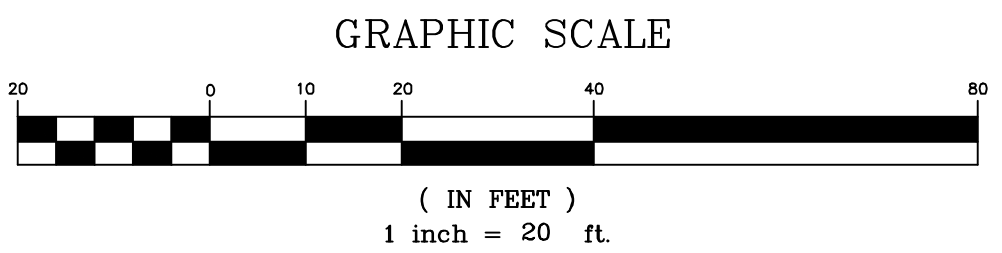


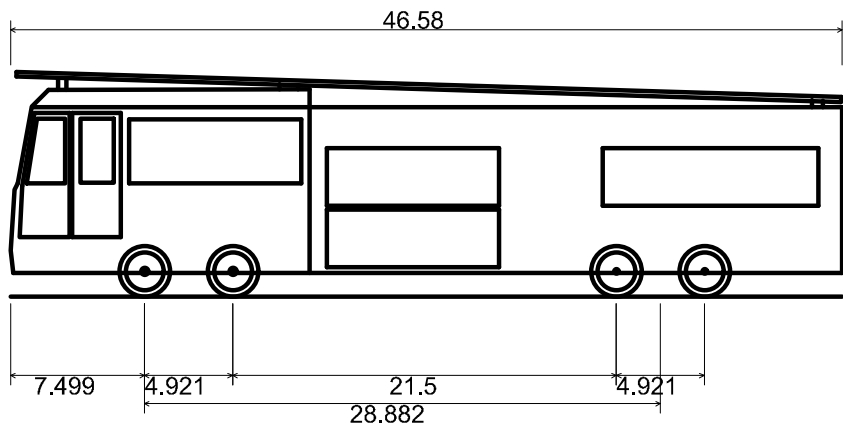
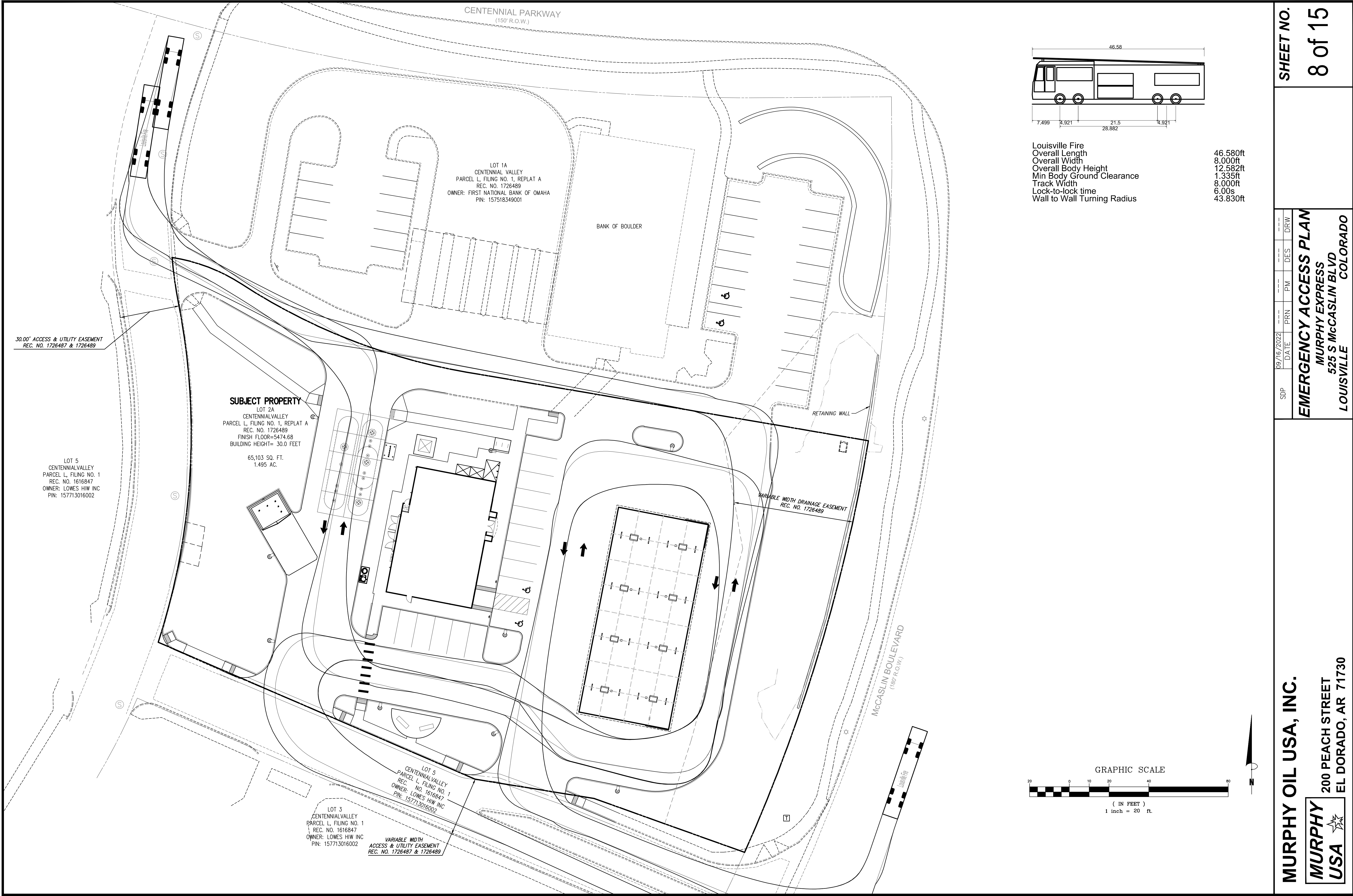
LEGEND		
EXISTING	DESCRIPTION	PROP.
---	PROPERTY LINE	---
---	RIGHT OF WAY	---
---	EASEMENT	---
---	EDGE OF PAVEMENT	---
---	VERTICAL CURB AND GUTTER	---
---	WATER LINE	---
---	WATER METER	---
---	WATER VALVE	---
---	FIRE HYDRANT	---
---	SANITARY LINE	---
---	SANITARY MANHOLE	---
---	SANITARY CLEANOUT	---
---	STORM SEWER PIPE	---
---	STORM SEWER INLET	---
---	STORM SEWER FLARED END SECTION	---
---	UNDERGROUND ELECTRIC	---
---	OVERHEAD ELECTRIC	---
---	STREET LIGHT	---
---	NATURAL GAS SERVICE	---

- KEY NOTES
1. PROPOSED WATER SERVICE LINE
 2. PROPOSED IRRIGATION SERVICE
 3. CONNECT TO EXISTING WATERMAIN WITH DOUBLE STRAP SERVICE CLAMP AND CORPORATION STOP
 4. PROPOSED CURB STOP
 5. PROPOSED 3/4" WATER SERVICE TO HOSE BIB
 6. PROPOSED BUILDING SPRINKLER LINE
 7. PROPOSED ELECTRIC PRIMARY
 8. PROPOSED ELECTRIC SECONDARY
 9. PROPOSED TRANSFORMER
 10. PROPOSED 4" PVC SANITARY SEWER
 11. PROPOSED 6" PVC SANITARY SEWER
 12. PROPOSED SANITARY CLEANOUT
 13. PROPOSED TWO-WAY SANITARY CLEANOUT
 14. PROPOSED GREASE INTERCEPTOR
 15. PROPOSED GREASE INTERCEPTOR VENT
 16. PROPOSED 18" RCP STORM PIPE
 17. UTILITY CROSSING
 18. PROPOSED DOMESTIC WATER METER
 19. PROPOSED IRRIGATION WATER METER
 20. PROPOSED STORM INLET
 21. PROPOSED SITE LIGHT
 22. PROPOSED TELECOM LINE
 23. CONNECT PROPOSED 6" FIRE SERVICE LINE TO EXISTING 6" FIRE SERVICE LINE
 24. PROPOSED FLARED END SECTION

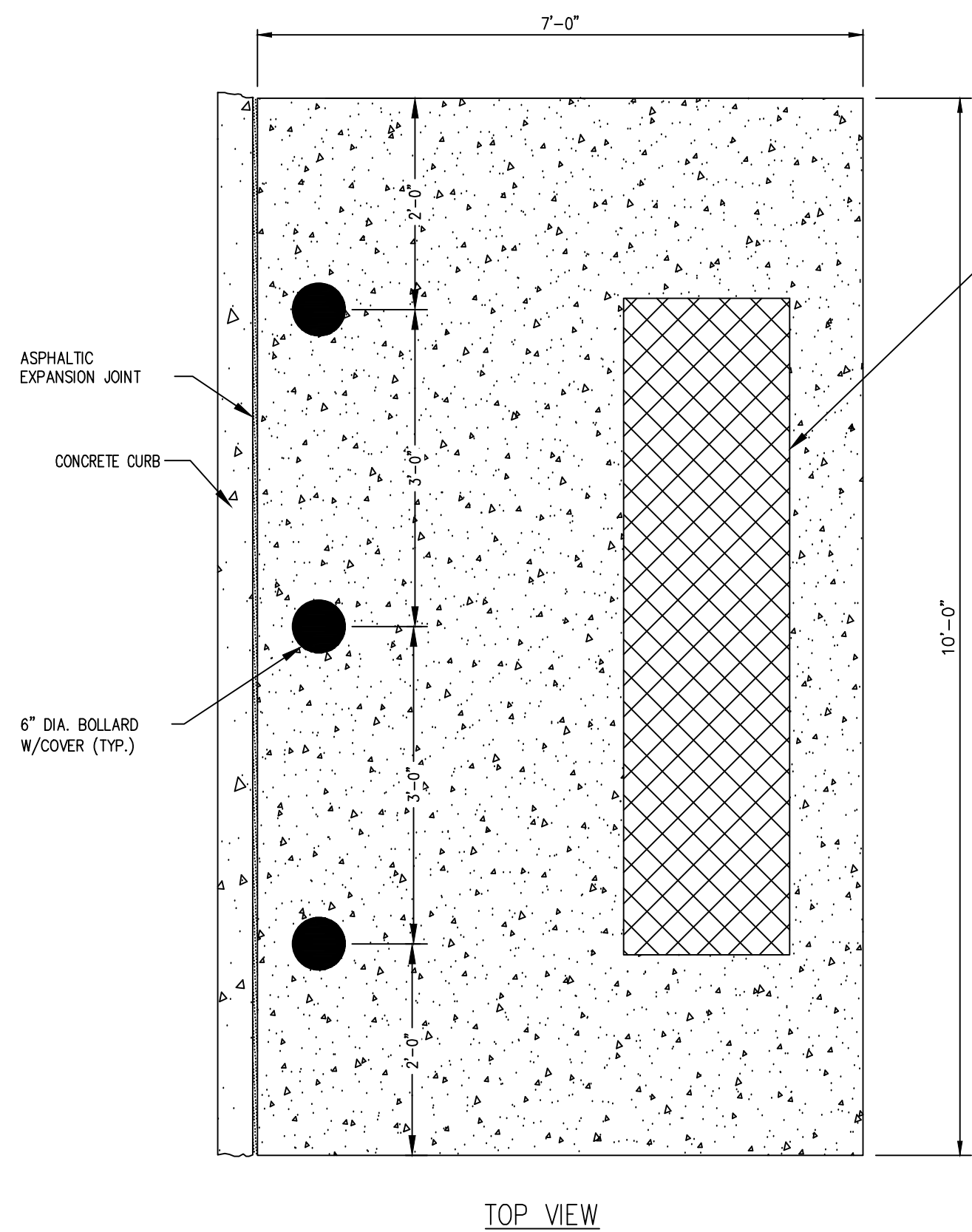
NOTES:

1. DRAINAGE IMPROVEMENTS WITHIN LOT 2A SHALL BE MAINTAINED BY THE PROPERTY OWNER
2. PROPOSED SITE WORK SHALL NOT OBSTRUCT MCCASLIN BLVD. RIGHT-OF-WAY
3. EXISTING STORM SEWER TO BE CLEANED BY JETTING
4. EXISTING INSIDE SET WATER METERS SHALL BE SALVAGED AND RETURNED TO THE CITY.
5. EXISTING 1 1/2" WATER SERVICE SHALL BE ABANDONED AS DIRECTED BY THE CITY.

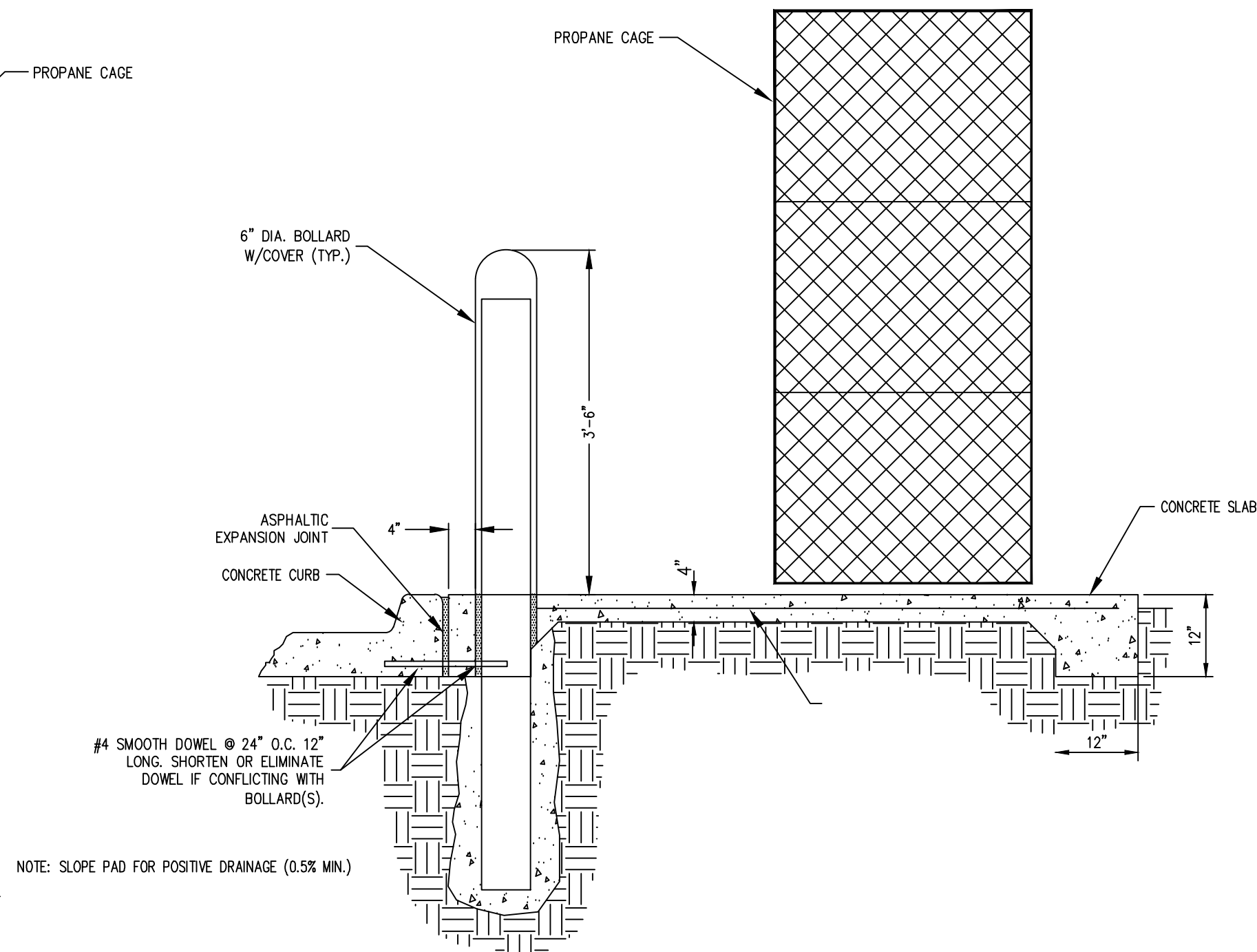




Louisville Fire
Overall Length 46.580ft
Overall Width 8.000ft
Overall Body Height 12.582ft
Min Body Ground Clearance 1.335ft
Track Width 8.000ft
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 43.830ft



TOP VIEW

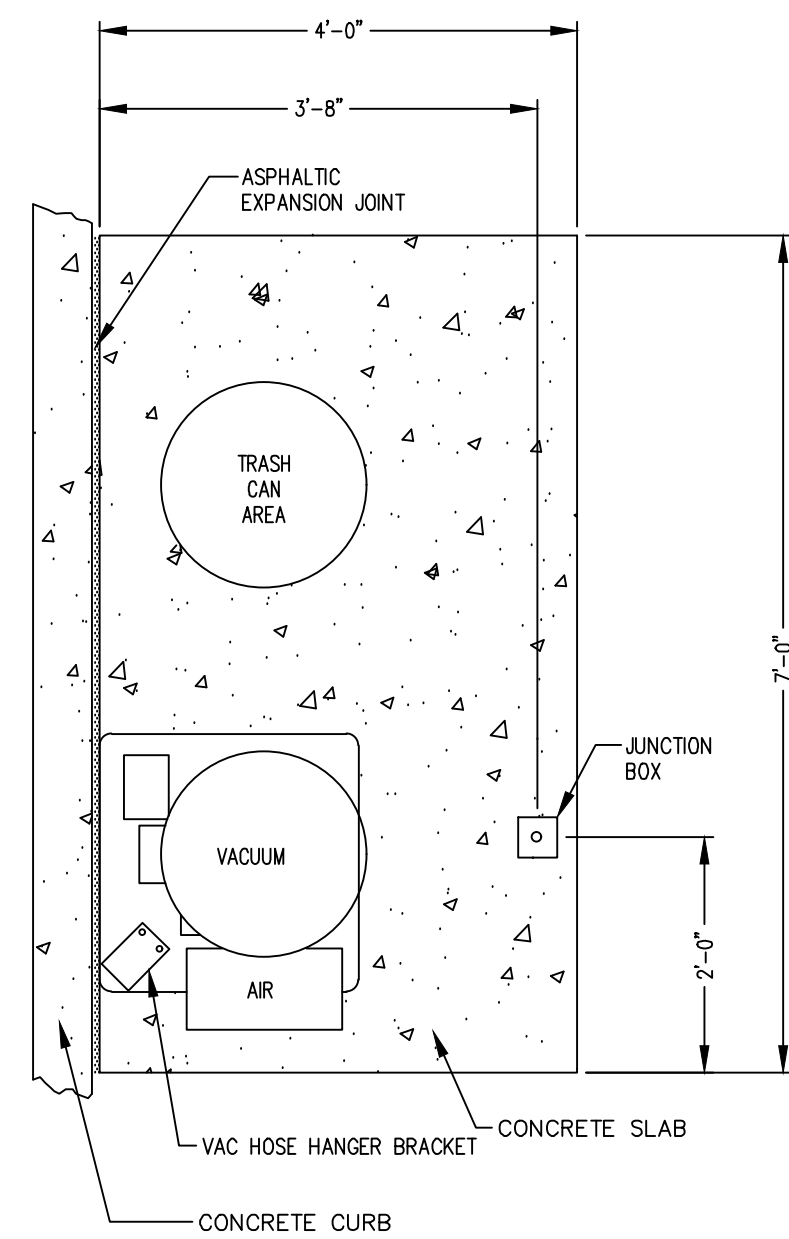


ELEVATION

PROPANE MOUNTING SLAB
DETAIL

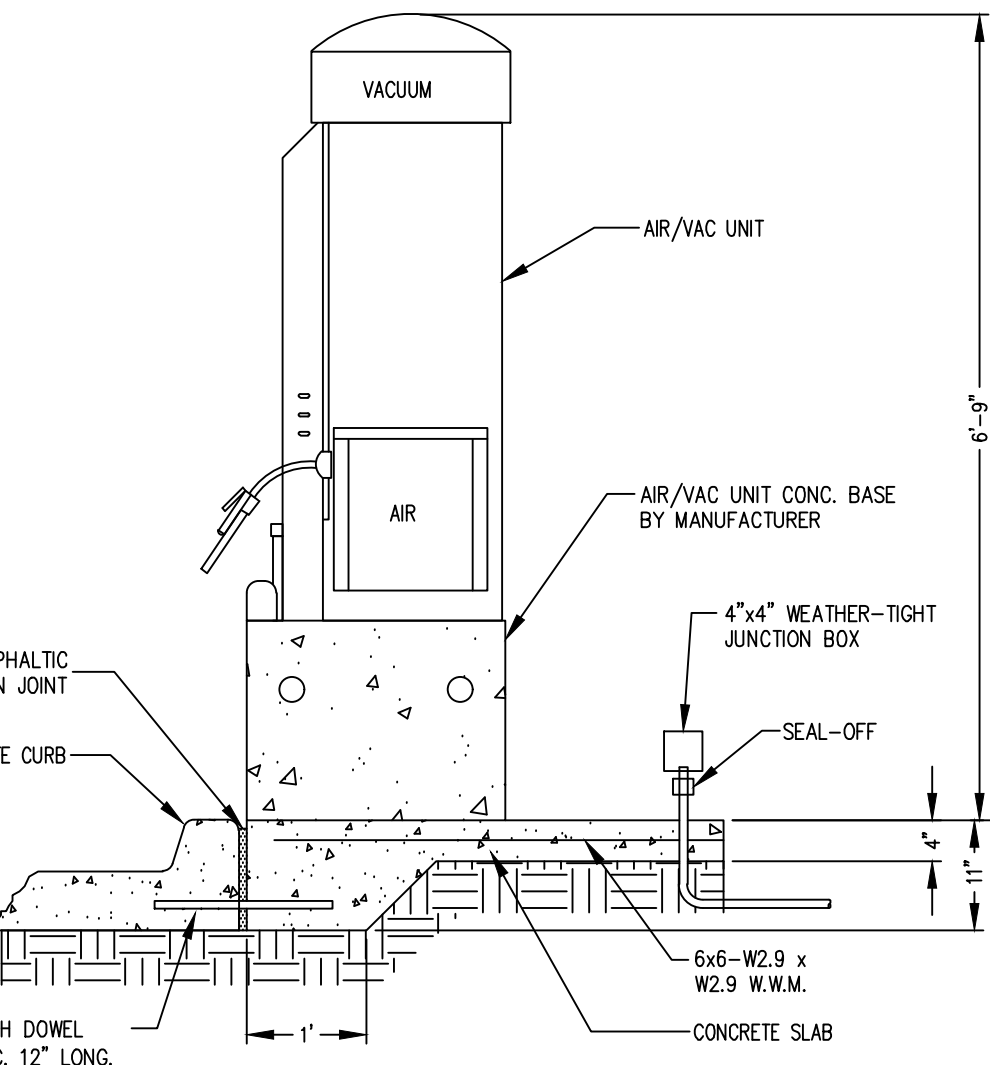
N.T.S.

21U



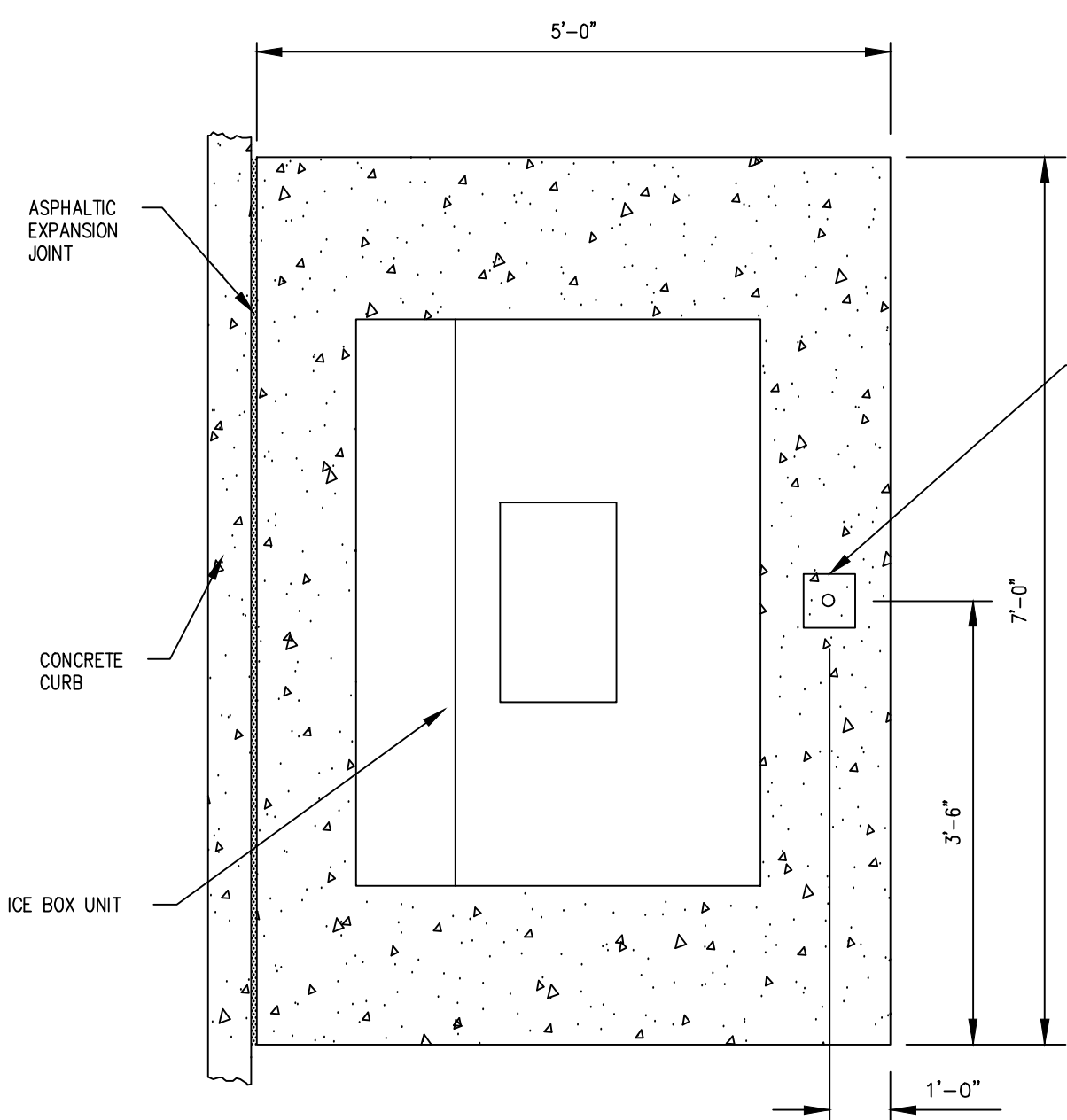
NOTE: SLOPE PAD FOR POSITIVE DRAINAGE (0.5% MIN.)

AIR/VAC MOUNTING SLAB DETAIL

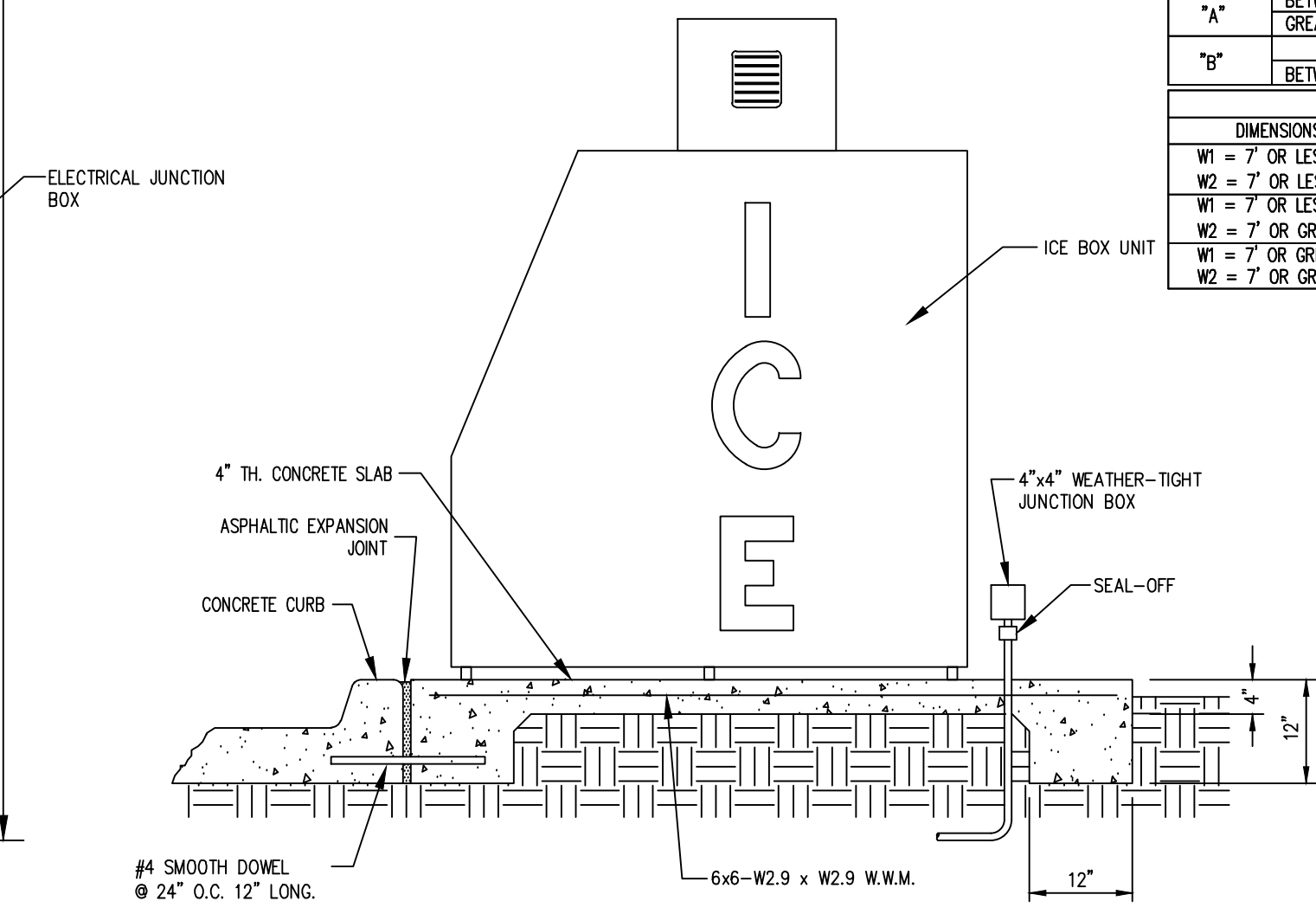


N.T.S.

21G



TOP VIEW



ELEVATION

- NOTE:
- SLOPE PAD FOR POSITIVE DRAINAGE (0.5% MIN.)
 - SEE SITE PLAN FOR NUMBER OF ICE UNITS.

ICE BOX MOUNTING SLAB DETAIL

N.T.S.

21P

REINFORCEMENT SCHEDULE, WALLS			
SECTION	WIDTH ("W")	HOR.	VERT.
"A"	4'	#4's @ 9"	#4's @ 10"
	BETWEEN 4' & 7'	#6's @ 9"	#4's @ 10"
	GREATER THAN 7'	#5's @ 4 1/2"	#4's @ 10"
"B"	4'	#4's @ 6"	#4's @ 10"
	BETWEEN 4' & 7'	#6's @ 6"	#4's @ 10"
	GREATER THAN 7'	#5's @ 6"	#4's @ 10"
TABLE OF "T" & "N" DIMENSIONS			
SECTION	WIDTH ("W")	"T"	"N" "D"
"A"	BETWEEN 4' & 7'	6" + PIPE THICKNESS	8" 6"
	BETWEEN 7' & 10'	6" + PIPE THICKNESS	8" 8"
	GREATER THAN 10'	6" + PIPE THICKNESS	8" 8"
"B"	BETWEEN 4' & 7'	6" + PIPE THICKNESS	10" 8"
	BETWEEN 7' & 10'	6" + PIPE THICKNESS	10" 8"
	GREATER THAN 10'	6" + PIPE THICKNESS	10" 8"
REINFORCEMENT SCHEDULE, TOP			
DIMENSIONS	STEEL	SPECIAL PATTERN	
W1 = 7' OR LESS	#4's @ 8" E.W.	DIAGONAL @ COVER	
W2 = 7' OR LESS	#4's @ 8" E.W.	DIAGONAL @ COVER	
W1 = 7' OR LESS	#4's @ 8" E.W.	DIAGONAL @ COVER	
W2 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER	
W1 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER	
W2 = 7' OR GREATER	#4's @ 6" E.W.	DIAGONAL @ COVER	

REINFORCEMENT SCHEDULE, BASE			
SECTION			
"A"		#4's @ 6" E.W.	
"B"		#5 @ 5" E.W.	

TABLE OF "W" DIMENSIONS				
PIPE SIZE	SKEW OF CROSS DRAIN			
	STRAIGHT	30°	45°	
SINGLE	24"	4'-0"	4'-0"	4'-10"
	30"	4'-0"	4'-7"	5'-8"
	36"	4'-0"	5'-3"	6'-5"
	42"	5'-3"	5'-11"	7'-3"
	48"	5'-10"	6'-7"	8'-0"
	60"	7'-0"	7'-10"	9'-8"
	DOUBLE	FOR "A" SECTION ONLY		
		24"	7'-0"	7'-10"
30"		8'-2"	9'-2"	11'-0"
36"		9'-4"	10'-6"	12'-6"
42"		10'-6"	11'-10"	14'-2"
48"		11'-8"	13'-2"	15'-10"

- GENERAL NOTES:
- ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
 - ALL #4 & #5 REINFORCING BARS TO HAVE 1-1/2" COVER, LARGER SIZES TO HAVE 2" COVER.
 - SEE GRADING AND DRAINAGE PLAN FOR PIPE SIZES, LOCATIONS, AND FLOW LINES.
 - PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE INLET. CONNECTION SHALL NOT BE MADE AT CORNERS OF INLET.
 - ALL REINFORCING BARS TO BE GRADE 60.

ALL SIGNAGES UNDER A SEPARATE PERMIT

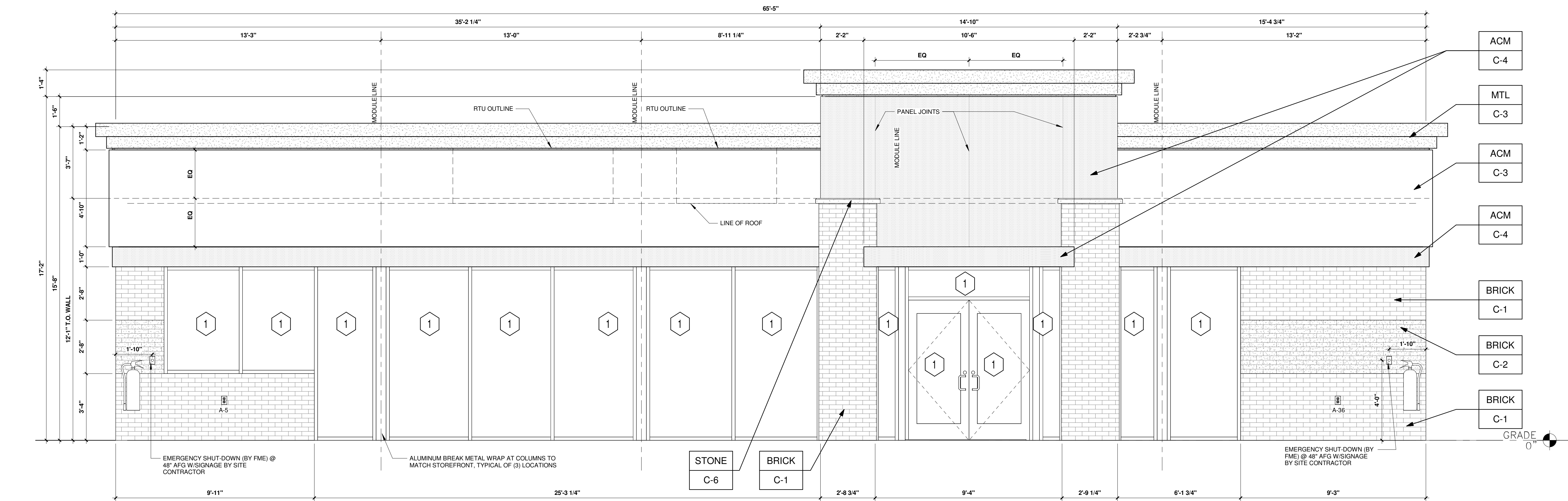
SHEET NO.

11 OF 15

ARCHITECTURAL ELEVATIONS (BUILDING)
MURPHY EXPRESS
525 S McCASLIN BLVD
LOUISVILLE

MURPHY OIL USA, INC.
200 PEACH STREET
EL DORADO, AR 71730

MURPHY
USA



1 EAST ELEVATION (McCASLIN BOULEVARD)
3/8" = 1'-0"

KEYED NOTES:

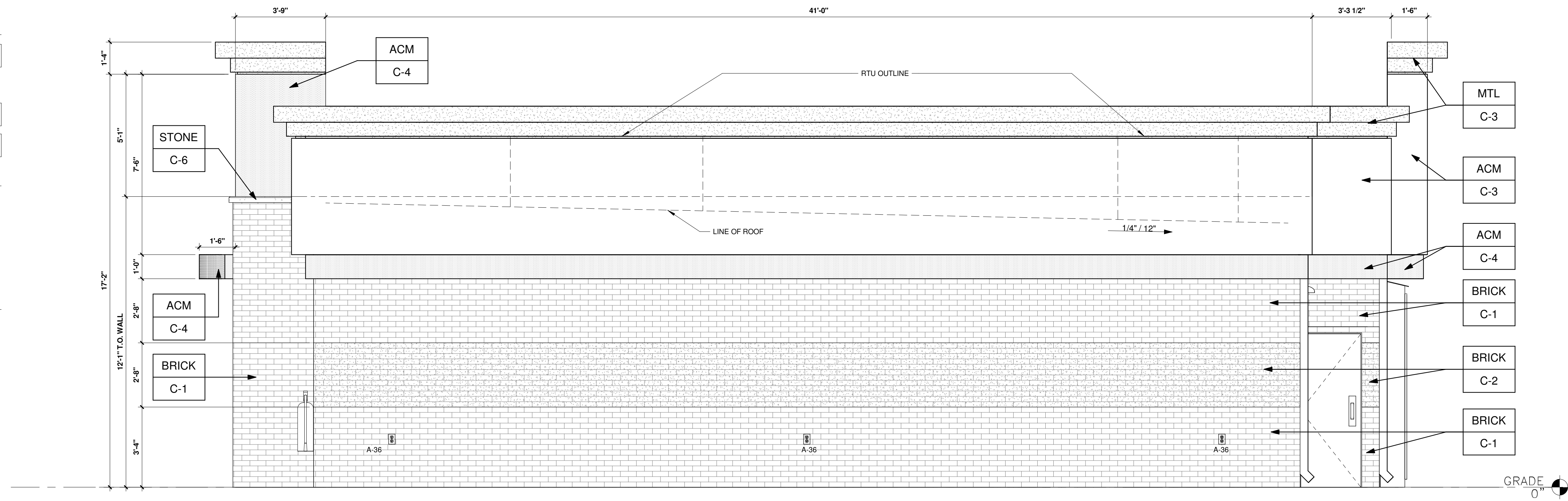
- | | | |
|---|--|-----------|
| 1 | CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM
KAWNEER, YKK OR EQUAL | C-5 |
| 2 | EXTERIOR LIGHTING, REFER TO LIGHTING PLAN | SHEET EL2 |
| 3 | 4" x 4" PAINTED METAL DOWNSPOUTS | C-3 |
| 4 | DOORS (EXTERIOR SIDE) AND DOOR FRAMES PAINTED | C-3 |

EXTERIOR FINISHES:

- | | | |
|-------|---|--------|
| ACM | ACM (3MM THICKNESS) | BY FMS |
| BRICK | THIN BRICK | BY FMS |
| MTL | 20 GA. SHEET METAL (UNLESS NOTED OTHERWISE) | BY FMS |
| STONE | STONE SILL | BY FMS |

EXTERIOR PAINT/COLORS:

- | | | |
|-----|---|--------|
| C-1 | THIN BRICK VENEER - 'CANYON ROSE' BY INTERSTATE BRICKS | BY FMS |
| C-2 | THIN BRICK VENEER - 'ARCTIC WHITE' BY INTERSTATE BRICKS | BY FMS |
| C-3 | 'DORMER BROWN' SW #7521 | BY FMS |
| C-4 | 'PROGRAM RED' BY ALPOLIC | BY FMS |
| C-5 | CLEAR ANODIZED ALUMINUM STOREFRONT | BY FMS |
| C-6 | STONE SILL - CONCRETE GRAY CAP | BY FMS |

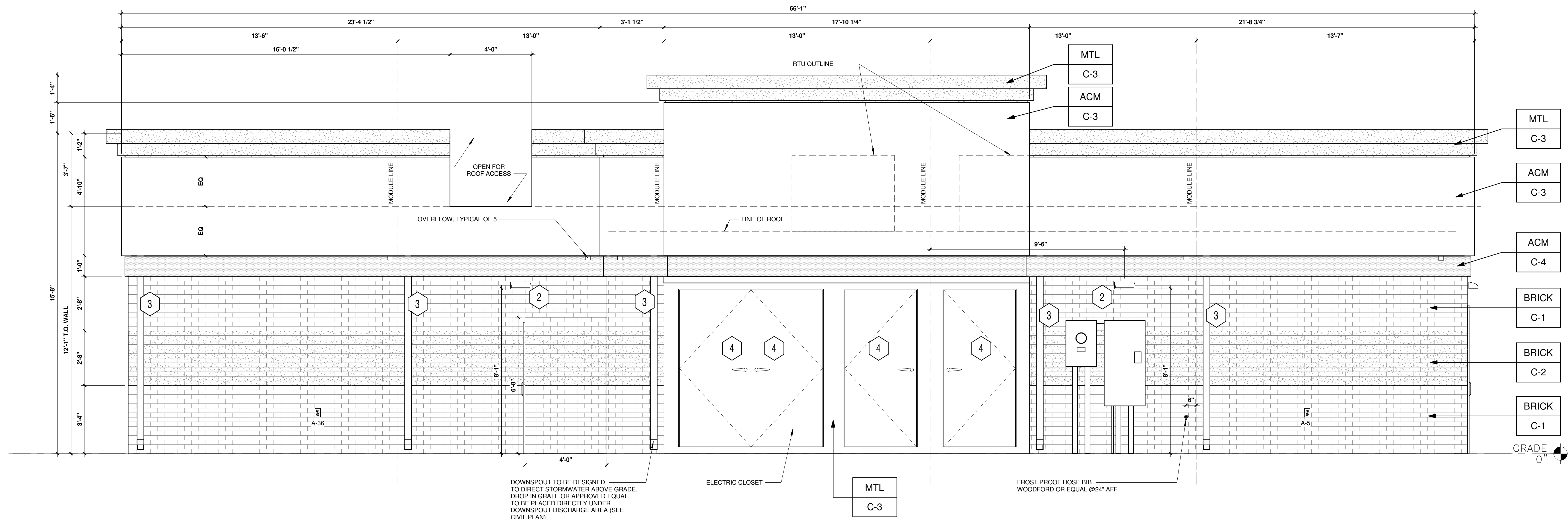


2 NORTH ELEVATION (PRIVATE DRIVE)
3/8" = 1'-0"



Know what's below.
Call before you dig.

ALL SIGNAGES UNDER A SEPARATE PERMIT



1 WEST ELEVATION
3/8" = 1'-0"

KEYED NOTES:

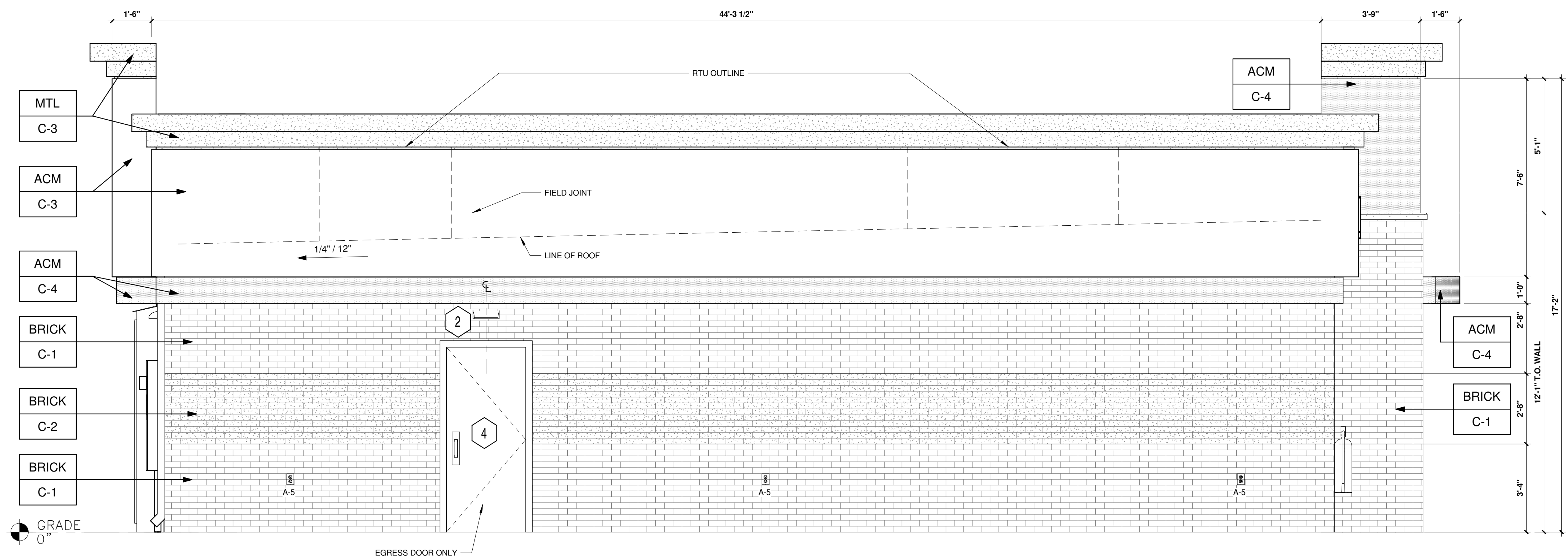
- | | | |
|---|--|-----------|
| 1 | CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM
KAWNEER, YKK OR EQUAL | C-5 |
| 2 | EXTERIOR LIGHTING, REFER TO LIGHTING PLAN | SHEET EL2 |
| 3 | 4" x 4" PAINTED METAL DOWNSPOUTS | C-3 |
| 4 | DOORS (EXTERIOR SIDE) AND DOOR FRAMES PAINTED | C-3 |

EXTERIOR FINISHES:

- | | | |
|-------|---|--------|
| ACM | ACM (3MM THICKNESS) | BY FMS |
| BRICK | THIN BRICK | BY FMS |
| MTL | 20 GA. SHEET METAL (UNLESS NOTED OTHERWISE) | BY FMS |
| STONE | STONE SILL | BY FMS |

EXTERIOR PAINT/COLORS:

- | | | |
|-----|---|--------|
| C-1 | THIN BRICK VENEER - 'CANYON ROSE' BY INTERSTATE BRICKS | BY FMS |
| C-2 | THIN BRICK VENEER - 'ARCTIC WHITE' BY INTERSTATE BRICKS | BY FMS |
| C-3 | 'DORMER BROWN' SW #7521 | BY FMS |
| C-4 | 'PROGRAM RED' BY ALPOLIC | BY FMS |
| C-5 | CLEAR ANODIZED ALUMINUM STOREFRONT | BY FMS |
| C-6 | STONE SILL - CONCRETE GRAY CAP | BY FMS |



2 SOUTH ELEVATION (PRIVATE DRIVE)
3/8" = 1'-0"



Know what's below.
Call before you dig.

SHEET NO.

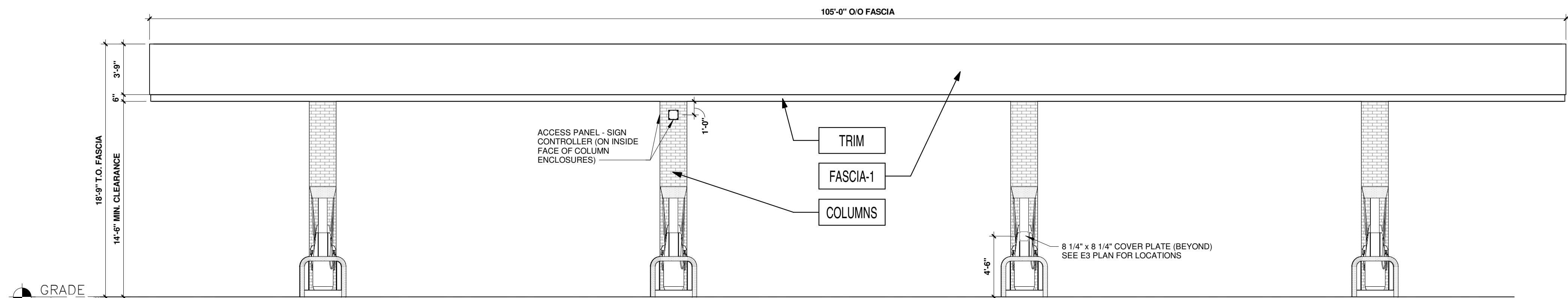
12 OF 15

ARCHITECTURAL ELEVATIONS (BUILDING)
MURPHY EXPRESS
525 S McCASLIN BLVD
LOUISVILLE
COLORADO

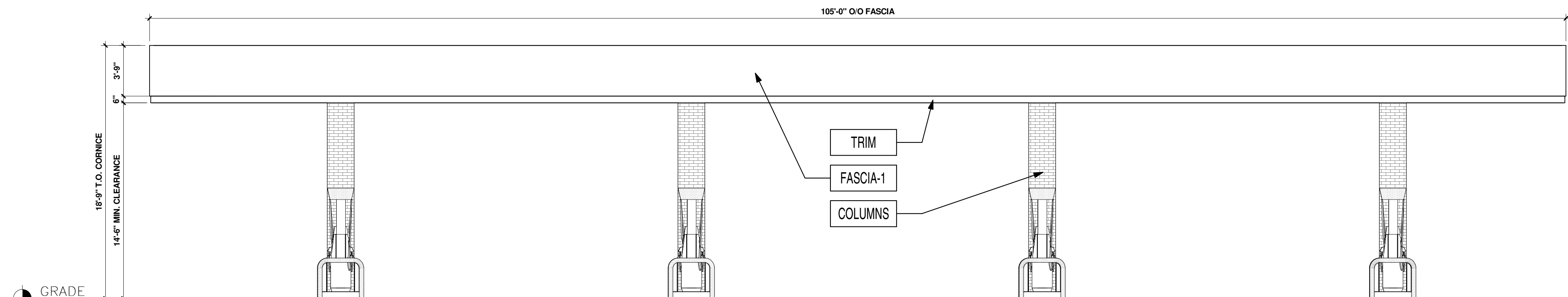
MURPHY OIL USA, INC.

200 PEACH STREET
EL DORADO, AR 71730

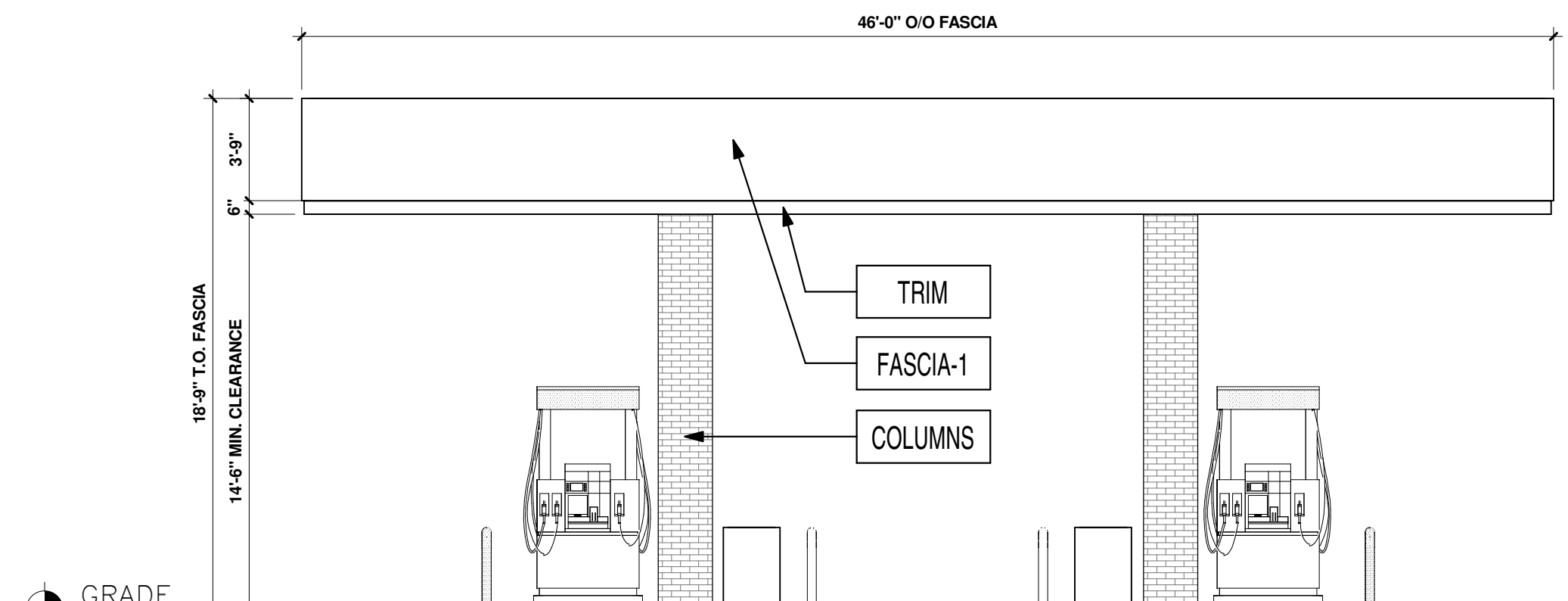




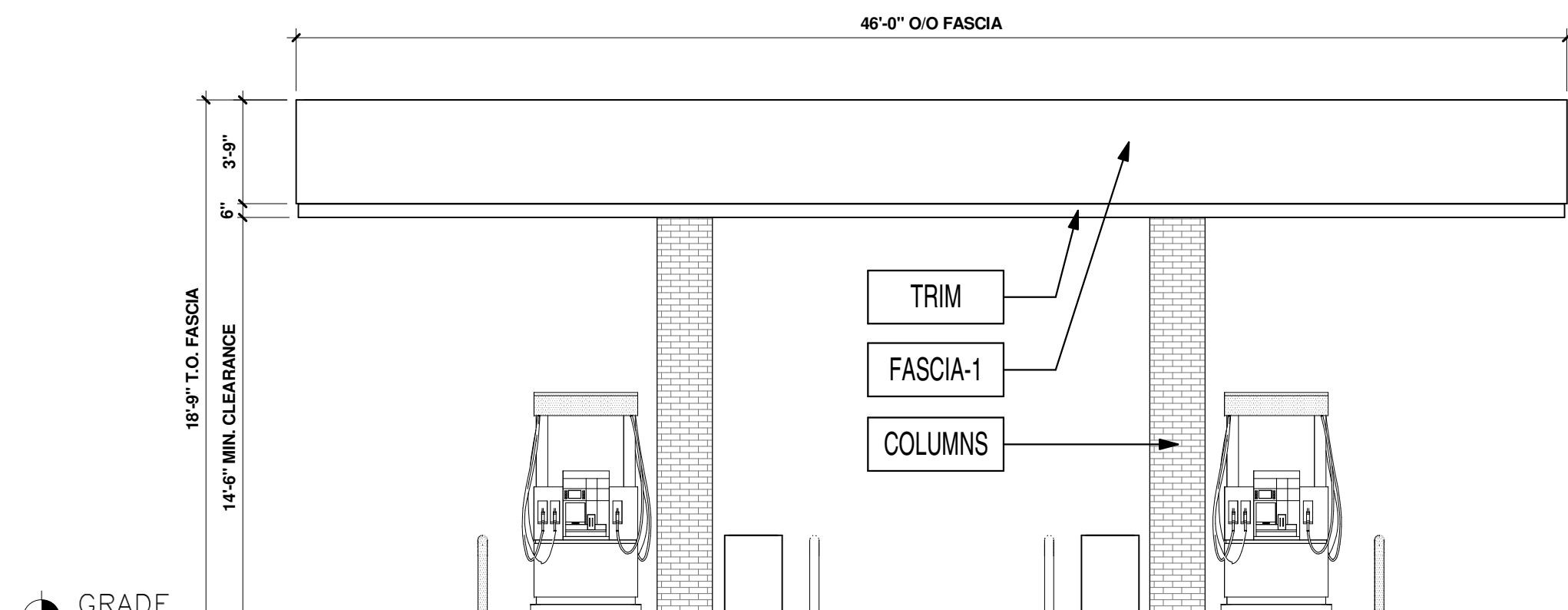
1 EAST ELEVATION (McCASLIN BOULEVARD)
3/16" = 1'-0"



2 WEST ELEVATION
3/16" = 1'-0"

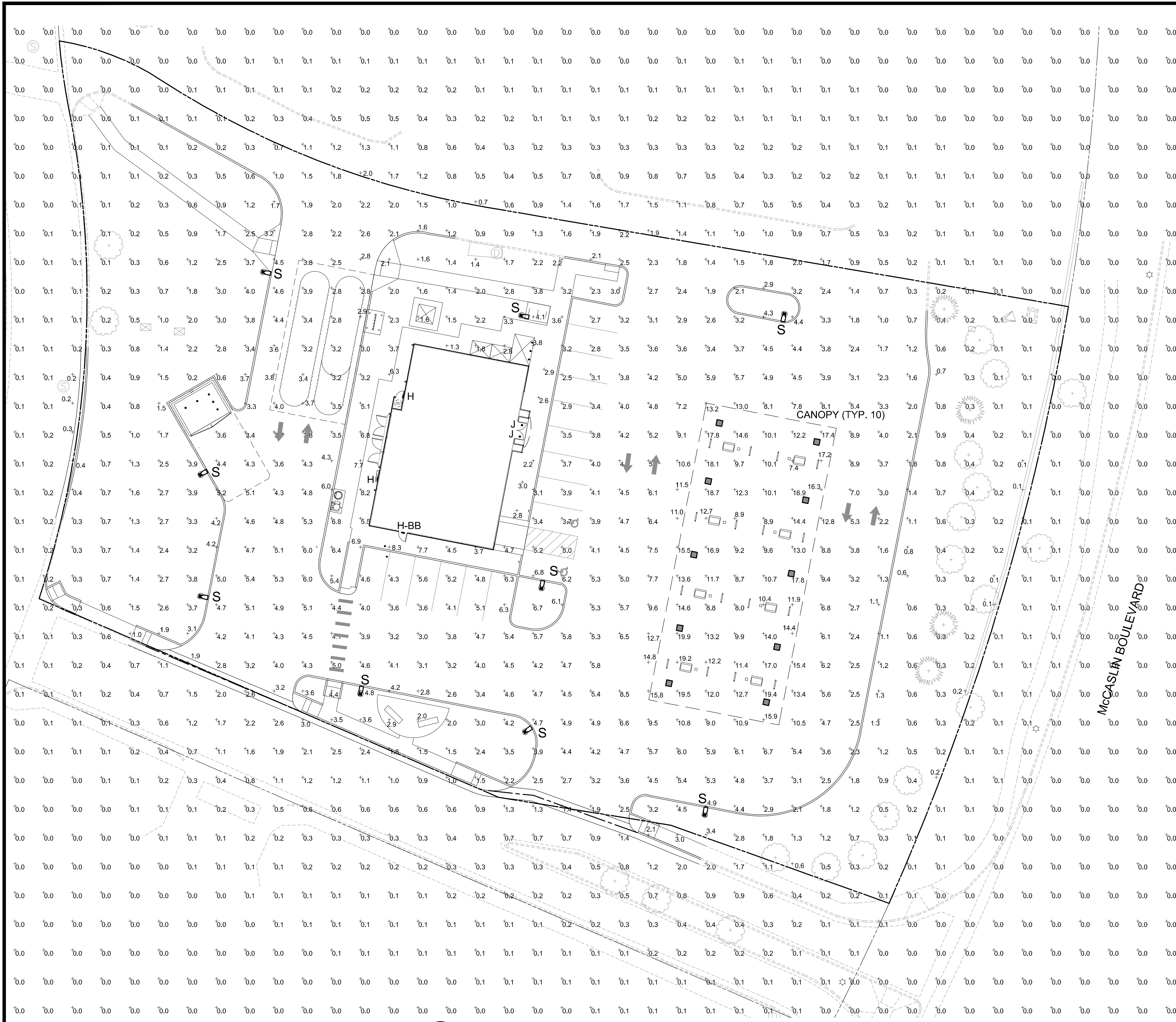


3 NORTH ELEVATION (PRIVATE DRIVE)
3/16" = 1'-0"



4 SOUTH ELEVATION (PRIVATE DRIVE)
3/16" = 1'-0"

FINISH SCHEDULE			
FASCIA-1	ACM (ALUMINUM COMPOSITE MATERIAL)	ACM FASCIA "DORMER BROWN" SW #7521	FURNISHED & INSTALLED BY FMS
TRIM	20 GA. SHEET METAL	6" HT PRE-FINISHED METAL ACCENT BAND "PURE WHITE" SW #7005	FURNISHED & INSTALLED BY FMS
COLUMNS	SEE STRUCTURAL DRAWINGS	THIN BRICK VENEER - "CANYON ROSE" BY INTERSTATE BRICKS	FURNISHED & INSTALLED BY FMS



1 PHOTOMETRIC SITE PLAN
SCALE: 1"=20'-0"

LUMINAIRE SCHEDULE

MOUNTING CONFIG	SYMBOL	QTY	ASSEMBLY HEIGHT	POLE HEIGHT	LUMENS	TOTAL WATTS	MODEL NUMBER	DESCRIPTION
S		9	24'-0"	22'-0"	17901	149	SLM-18L-SIL-FT-UNV-30-70-BRZ	4SI LIGHTING, SLICE MEDIUM LED SERIES AREA LIGHT, 18,000 LUMENS PACKAGE, 3000K CCT 70 CRI, SINGLE HEAD FLAT LENS FIXTURE, FORWARD THROW
CANOPY		10	15'-0"	N/A	10457	73	CRUS-SC-LED-LW-30-UE-WHT	LSI LIGHTING, LEGACY SERIES, LOW WATT DRIVER, 3000K CCT, FLAT LENS CANOPY FIXTURE
H		2	8'-3"	N/A	2861	23	XWM 3 LED 03L 30 UE BRZ	XWM 3 LED 03L 30 UE BRZ
H-BB		1	N/A	N/A	N/A	N/A	XWM 3 LED 03L 30 UE BRZ BB	XWM 3 LED 03L 30 UE BRZ BB
J		2	8'-8"	N/A	2333	22	LC06LED2SLUNVDM130WF TR6RVVHAZ EM	LSI LIGHTING, LC06 DOWN LIGHT LUMINAIRE, 3000K CCT, 2500 LUMENS, WIDE FLOOD HAZE SEMI-DIFFUSED WALL WASH REFLECTOR, WHITE OR EQUIVALENT

NOTES: ALL AREA SITE LIGHT FIXTURES AND POLES TO BE MOUNTED ON CONCRETE BASE PER DETAIL, THIS SHEET
ALL ANCHOR BOLTS TO BE ORIENTED IN THE SAME DIRECTION (SQUARE) AT INSTALLATION PER MANUFACTURER'S SPECIFICATIONS.
ALL PROPOSED FIXTURES ARE FULL CUT-OFF FIXTURES

POLE SCHEDULE

MOUNTING CONFIG	SYMBOL	QTY	POLE HEIGHT	MODEL NUMBER	DESCRIPTION
S		9	22'-0"	4SQB3-S11G-22-S-BRZ-4BC	LSI LIGHTING, STEEL SQUARE POLE, BOLT-ON ARM MOUNT, BRONZE

NOTES: ALL AREA SITE LIGHT FIXTURES AND POLES TO BE MOUNTED ON CONCRETE BASE PER DETAIL, THIS SHEET
POLES RATED TO 130 MPH WIND VELOCITY

STATISTICAL AREA SUMMARY

LABEL	AVG	MAX	MIN	UNIFORMITY (MAX/MIN)
CANOPY AREA	12.53	19.9	7.4	2.69 to 1
PARKING AREAS	4.28	6.8	2.5	2.72 to 1
DRIVES	4.01	7.6	1.9	4.00 to 1
BUILDING SURROUNDS/ENTRY	4.99	8.3	2.2	3.77 to 1

NOTES:

PLAN WAS BASED ON THE INFORMATION PROVIDED. ALL DIMENSIONS, LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THE CALCULATED PHOTOMETRIC LEVELS MAY OR MAY NOT MEET CERTAIN STANDARDS OR RECOMMENDED PRACTICES OF IESNA.

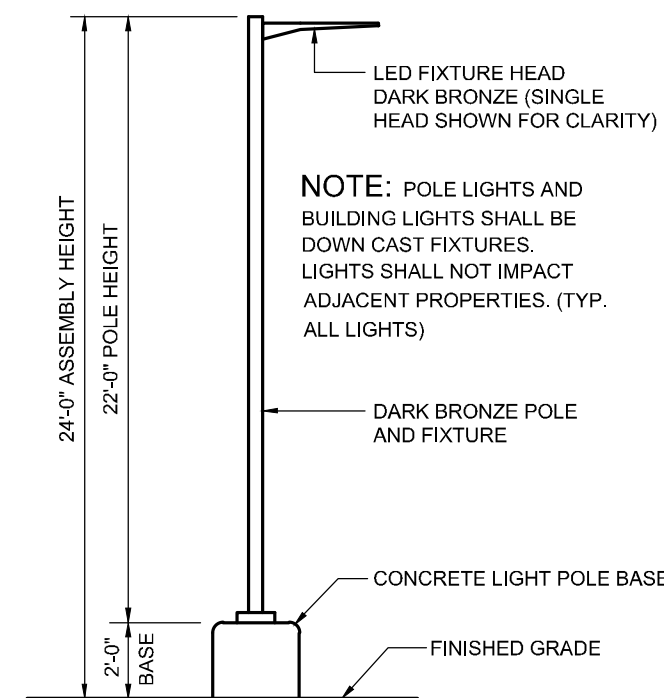
THE PHOTOMETRIC PLAN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IES) APPROVED METHODS. LABORATORY TESTS ARE MADE UNDER OPTIMUM CONDITION, WITH LAMP OUTPUT AT RATED VALUE, AND IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS.

ACTUAL ILLUMINANCE LEVELS MAY DIFFER DUE TO VARIABLE FIELD CONDITIONS SUCH AS (BUT NOT LIMITED TO): VARIANCE IN LAMP LUMEN OUTPUT; LAMP TILT FACTOR; BALLAST WATTAGE OUTPUT; LINE VOLTAGE AT BALLAST; REFLECTOR SPECULARITY; LAMP LUMEN DEPRECIATION; AND LUMINAIRE DIRT DEPRECIATION.

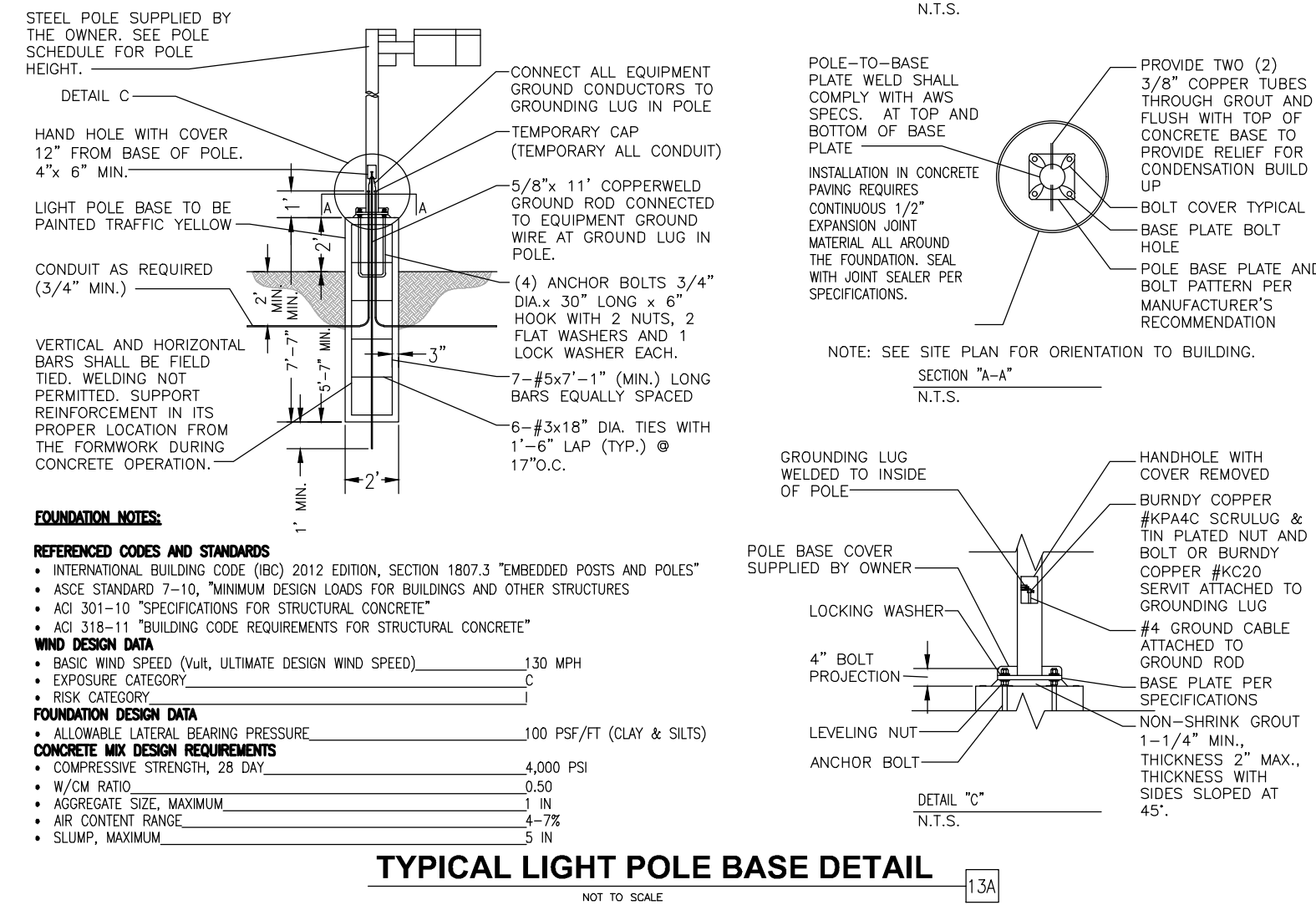
THE 24'-0" MOUNTING HEIGHT IS THE ACTUAL ASSEMBLY (POLE, BASE, AND FIXTURE) AND MAY DIFFER FROM THE FROM THE LUMINAIRE'S LUMINOUS APERTURE.

THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK PURPOSES ONLY. REFER TO SITE PLAN PREPARED BY LOCAL CONSULTANT FOR RELATIONSHIP OF THESE LUMINAIRES AND THEIR LOCATIONS TO EXISTING STRUCTURES AND REFERENCE.

CONTRACTOR TO ENSURE THE LIGHT POLE AND HANDICAP PARKING SIGN ARE AT LEAST 2' FROM THE BACK OF CURB TO PREVENT VEHICLES FROM STRIKING THE LIGHT POLE OR HANDICAP PARKING SIGN. PROPOSED LIGHT POLE BASES SHOWN AT A MINIMUM OF 2'-6" FROM BACK OF CURB TO CENTER OF POLE/BASE. ENGINEER TO VERIFY PROPOSED LOCATIONS FOR ANY CONFLICTS OR MISPLACEMENTS. REPORT TO LIGHTING DESIGNER ANY DISCREPANCIES OR CONFLICTS



2 AREA LIGHT DETAIL
SCALE: NOT TO SCALE



MURPHY OIL USA, INC.

MURPHY
USA

200 PEACH STREET
EL DORADO, AR 71730

PHOTOMETRIC PLAN
MURPHY EXPRESS
525 S McCASLIN BLVD
LOUISVILLE
COLORADO

SHEET NO.

14 of 15

09/16/2022
DATE
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Catalog #:

Prepared By:

Date:

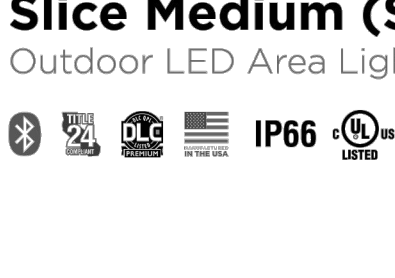
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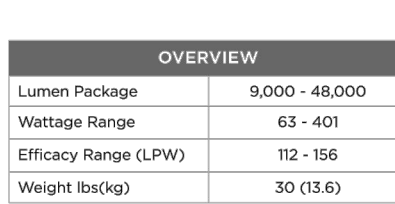
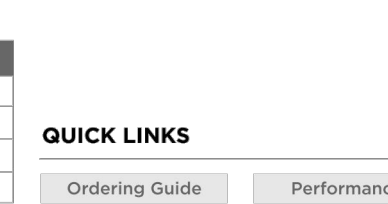
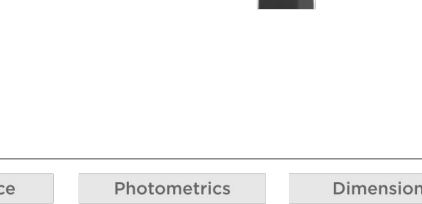
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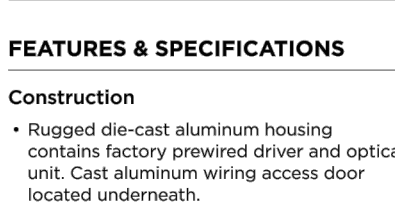
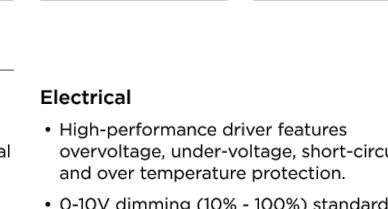
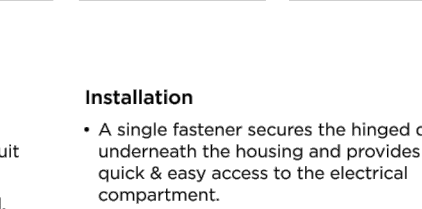
Slice Medium (SLM)

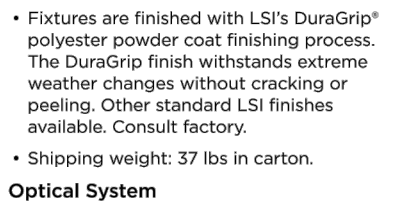
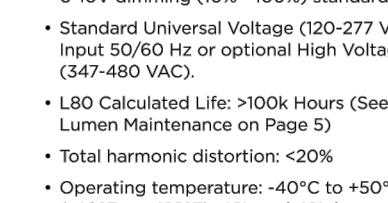
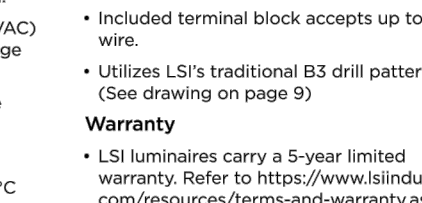
Outdoor LED Area Light

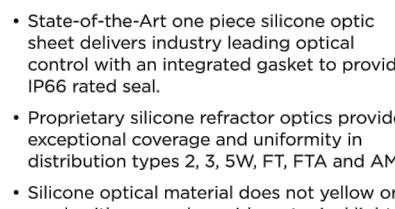
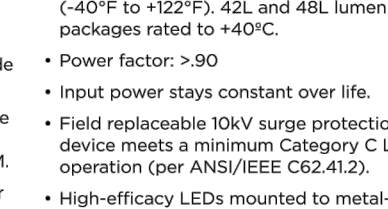
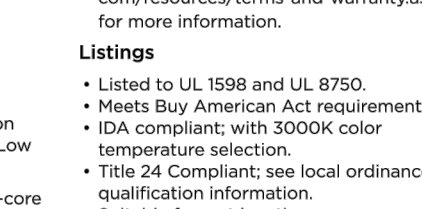


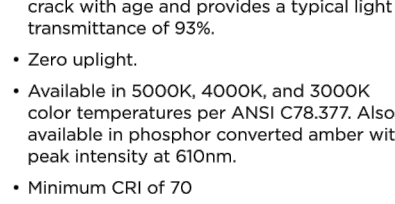
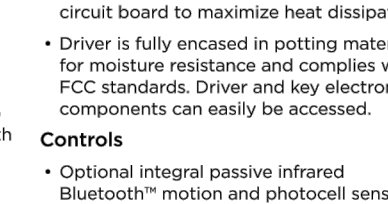
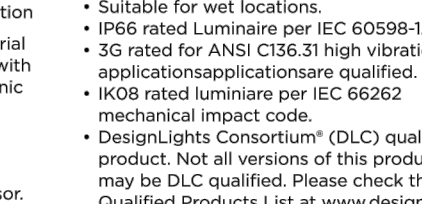


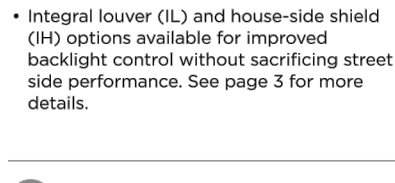
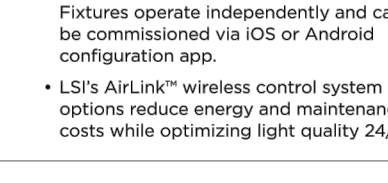
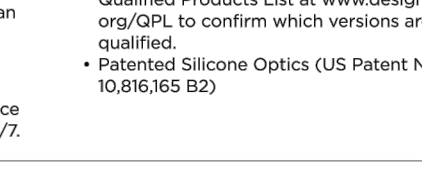

















IP66
















IK08

OVERVIEW

Lumen Package	9,000 - 48,000
Wattage Range	63 - 401
Efficiency Range (LPW)	112 - 156
Weight (lb/kg)	30 (13.6)

QUICK LINKS

Ordering Guide	Performance	Photometrics	Dimensions
----------------	-------------	--------------	------------

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with LSI's DurGrip® polymer powder coat finishing process. The DurGrip finish withstands extreme weather conditions without cracking or peeling. Other standard LSI finishes available. Contact factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical performance with an integrated gasket to provide IP66 rated seal.
- Proprietary silicone reflector optics provide exceptional coverage and uniformity in distribution types 2, 3, 5W, FT, FTA and AH.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also available in phosphor converted amber with peak intensity at 510nm.
- Minimum CR of 70
- Integral tower (L) and house-side shield (H) options available for improved daylight control without sacrificing street side performance. See page 3 for more details.

Electrical

- High-performance driver features overvoltage, short-circuit, and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (220-277 VAC) Input 50/60 Hz or optional High Voltage (247-480 VAC).
- L80 Labrated Life: >100K hours (See Lumen Maintenance on page 5)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L thermal dissipates up to +40°C.
- Power factor: >90
- Input power stays constant over life.
- Field replaceable 10Kv surge protection device meets a minimum Category C Low protection (per ANSI/IEEE C62.41-2).
- High efficiency LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver is fully enclosed in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth® motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration IP.
- LSI's AirLink™ wireless control system options optimize energy and maintenance costs while reducing light quality 24/7.

Installation

- A single fixture stresses the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern. (See drawing on page 9)

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsiindustries.com/resources/terms-and-warranty.aspx> for more information.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- UL ETL compliant, with 3000K color temperature selection.
- Title 24 Compliant: see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1
- 35 rated for ANSI C136.31 high vibration applications/applications qualified.
- IK08 rated luminaire per IEC 60622 mechanical impact code.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLC to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)



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Page 3/9 Rev. 12/12/21

SPEC-2021-000000

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Catalog #: **H & H-BB**
Prepared By :
Date :

Mirada Wall Sconce (XWM)

Outdoor LED Wall Sconce






OVERVIEW	
Lumen Range	3,000 - 12,000
Wattage Range	25 - 102
Efficacy Range (LPW)	103 - 140
Weight (lbs)	30 (3LB)

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring ends door located underneath.
- Galvanized steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 30 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic shell delivers industry leading optical control with an integrated gasket to provide IP65 rated sealed optical chamber in 1
- Proprietary silicone reflector optics provide exceptional coverage and uniformity
- Types 2, 3, and Forward Throw (FT) distributions.
- Optical mounting material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78377.
- Minimum CR of 70.

Electrical

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (50-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac)
- L80 Calculated Life: >100K Hours.
- Total harmonic distortion: <20%.
- Operating temperature: -40°C to +50°C (-40°F to +122°F)
- Power factor: >90
- Input power stays constant over life.
- Field replaceable 10KV surge protection device meets a minimum Category C LE operation (per ANSI/IEEE C62.41-2).
- High-Efficiency LEDs mounted to metal circuit board to maximize heat dissipation
- Components are fully sealed in potting material for moisture resistance. Driver and key components with FCC standards. Driver and electronic components can easily be accessed via a hinged door.
- Optional integrated energy battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A text switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Optional control passive Infrared Blue tooth™ motion and photocell sensor (see page 5 for more details). Features operate independently and can be commissioned via iOS or Android configuration app

- LSI's AirLink™ wireless control system options reduce energy and maintenance cost while optimizing light quality 24/7. (see page 5 for more details).

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical components for installing/servicing.
- Includes terminal block accepts up to 12 wires.

Warranty

- LSI LED Fixtures carry a 5-year warranty.
- 1 year Warranty on Battery Backed up option

Listings

- Listed to UL 1598 and UL B750.
- Meets Bay American Act requirements.
- IDA compliant, with 5000K or lower color temperature selection.
- State of California Title 24 compliant.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 30 rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- DesignLights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/dsl/gsa/dslc/ to confirm which versions are qualified.



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Page 1/6 Rev: 03/07/20
SPEC-2024-004

Mirada Wall Sconce (XWM)

[Back To Quick Links](#)

ORDERING GUIDE

TYPICAL ORDER EXAMPLE:

Luminaire Profile	Distribution	LED Technology	Lumen Package	Color Temp.	Voltage	Finish	Controls (Choose One)	Options
XWM-Mirada Wall Sconce	Z-Type 2 Z-Type 3 P-T Type 4 Forward Throw	[LPS]	N-[] N- -[] NL-[] AL-[] TL-[]	K-[] K- -[] SL-[] SK-[] TK-[]	NF-[] NF- -[] VF-[] VH-[] VP-[] SV-[]	[UPC - Finish] BLK - Black GRY - Graphite MDF+J - Metallic Silver WHI - White PPG - Paintless Print SVC - Satin Veneer OAS - Oiled Steel	Wireless Controls ALSCN-ArLink Syncro Control System ALCSN-ArLink Syncro Control System with B-12 Motion Module ALSRCN-ArLink Syncro Control System with B-12 OS Motion Module ALCSN-ArLink Blue Wireless Motion & Photo Sensor Controller ALCSSN-ArLink Blue Wireless Motion & Photo Sensor Controller OS-BD mounting bracket Hazdation Controls DMW-D-Wireless Dimming load end housing sensor IMBSIT-Integral Bluetooth™ Motion and Presence Sensor rma ISCT-SCT mounting light IMSBEZ-Integral Bluetooth Motion and Proximity Sensor max 25-40' mounting height Infrared Time Thermostats PCIRB-120V PCIRSB-STF-120-277V PCIRSA-347V	BETTERBLACK® H-H-CWBW-ZERO WALL MOUNT BRACKET PMMA-Paint Matching Bracket
							Lutron Linelight Controls LLC-Luxel Link Integral Wireless Radio Control by Lutron® LICLN-Linxlink Integral Wireless Radio Control and PIR Motion† LICLSN-Linxlink Integral Wireless Radio Control and PIR Motion† LICSSN-Linxlink Integral Wireless Radio Control and PIR Motion† LICSN-Linxlink Integral Wireless Radio Control and PIR Motion† LICSSN-Linxlink Integral Wireless Radio Control and PIR Motion†	

ACCESSORY ORDERING INFORMATION (FIELD INSTALLED)

FUSING ACCESSORIES

Description	Order Number	Description	Order Number
Singple Fusing (120V)	FHX120	Double Fusing (200V)	OFX200
Singple Fusing (120V)	PXF27	Double Fusing (240V)	OPX240
Singple Fusing (347V)	MXF47	Double Fusing (480V)	OPX480

MOUNTING ACCESSORIES

Description	Order Number
Surface Wiring Box (Black Flush Only)	SDBFWSBK

FOOTNOTES:

- Not available in HV
- Consult Factory for Site Layout
- MSBT is field configurable via the LIS app that can download from your smartphone's native app store.
- Fusing must be located in hand hole or pole run in the junction box.
 - BB and CWBW available in US voltage only IBI rated 0°C to 50°C.
 - CWBW labeled -20°C to 50°C.

Luminaire Shown with IMBST

IMBST

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Page 2/6 Rev. 07/27/2020
SPFC-10A-EN



Catalog #:

Prepared By:

Date:

Type:

Project:

CAN

Scottsdale® Legacy (CRUS)

LED Canopy Luminaire






OVERVIEW

Lumen Package	5,000 - 22,000
Wattage Range	38 - 152
Efficacy Range (LPW)	104 - 156
Weight (lbs/kg)	23 (10.4)

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 1/16" profile die cast housing, with flat clear or diffused tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- Standard color is white and is finished with LS17 Duragrip polycarbonate powder coat process. Duragrip withstands extreme weather conditions without cracking or peeling.
- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

Optical System

- Features an array of select, mid-power, high brightness, high efficiency LED, 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Asymmetric distribution. Asymmetric variety allows a wider distribution pattern. Optional symmetrical with diffused lens is also available.
- Diffuse lens available as an option to soften brightness of the luminaire.
- Six Lumen Packages: 5,000, 9,000, 10,000, 12,000, 18,000 and 22,000 Lumens.

Electrical

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral 6kV surge protection that meets IEEE C62.41.2 and ANSI CB277-17 Lighting Category C Low

QUICK LINKS

Ordering Guide	Performance	Photometrics	Dimensions
----------------	-------------	--------------	------------

standards. Additional field replaceable 10kV surge protection device meets a minimum Category C Low Voltage (per ANSI/UL ENEC C62.41). Custom lumen and wattage packages available.

- Driver components are fully enclosed in potting for moisture resistance. Complies with IEC and FCC standards. 0-0 V dimming supplied standard with all drive currents.
- Die-cast aluminum, wet location rated, driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and acts as the primary heat sink ensuring cool operation of internal components for longer life. Seals to optical housing via one-piece molded silicone gasket.
- Universal voltage power supply, 120-277 VAC, 50/60 Hz and 347-480 VAC, 50/60 Hz Input.
- -40°C to 85°C (-40°F to 181°F) ambient operating temperature. (Varies based on lumen package and mounting style per performance data for specifics.)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class I hazardous locations only when installed per LS Installation instructions. See lsicrum.com for specific guidance. Not available on SLW.

Installation

- One-person installation.
- Installs in 12" or 16" deep panel. Deck penetration consists of 4" x 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring to the SCPECTA without having to relocate the canopy.
- Retro panels are available for existing Encores as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

Warranty

- LS LED fixtures carry a 5-year warranty (contact your US representative for extended warranty options.)

Listings

- UL and ETL listed to UL 1581, UL 8750 and other US, and International safety standards. Suitable for wet locations.
- Design Lights Consortium (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/DLP to confirm which versions are qualified.
- Meets Bay Area Clean Air requirements.
- IDA compliant with 3000K or lower color temperature.

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Page 1/4 Rev. 12/30/21
 SPEC-10024-00

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

Type

[Back to Quick Links](#)

ORDERING GUIDE

TYPICAL ORDER EXAMPLE:

Profile	Distribution	Light Source	Drive Current	Color Temp.	Input Voltage	Finish	Options
CRUS 18" Canopy Luminaire	AC Symmetrical	LED	NLM - 4,000 Lumens NLM-7,000 Lumens NLM-17,000 Lumens SS - 10,000 Lumens VWR - 19,000 Lumens	40-5,000K 50-5,000K 90-3,000K	UL Listed Voltage (120-277V) UL-Recognized Voltage (120-277V) UL - High Voltage 347 - 480V	Black RAL- Bronze RAL- Black	NF - Hurricane Location or CRUS - Other Lens
CRUS Lens Packages*							

FOOTNOTES:
 1. CRUS distribution utilizes a reflector which alters the beam from a standard C distribution.
 2. Not available on SS/LW.

3. Custom Luminaire and wattage packages available contact factory. Values are within industry standard tolerances but not FCC listed.

Accessory Ordering Information (Accessories are field installed)

Description	Order Number	Description	Order Number
Recessed Panels - 304/316 SS or 316 Deck Panel	025946	Recessed RIG Cover Panel (see notes)	025947
Recessed Panels - 304/316 SS or 316 Deck Panel	026021	UL - Heat Pipe and Broom (incandescent for 15 minutes)	120540
Recessed Panels - 304/316 SS or 316 Deck Panel	026021		

1 - Consists of (25) 1" hole plugs, (100) 5/16" hole plugs and (1) tube of RTV

PERFORMANCE

[Back to Quick Links](#)

DELIVERED LUMENS

Lumens Package	Distribution	2000K CRI				4000K CRI				5000K CRI				Wattage
		Delivered Lumens	Efficiency	RHS Rating	Delivered Lumens	Efficiency	RHS Rating	Delivered Lumens	Efficiency	RHS Rating	Delivered Lumens	Efficiency	RHS Rating	
VMO	AC	7100	144	80-04-03	7100	144	80-04-03	7100	150	80-04-02	7100	150	80-04-02	152
	AC	17000	114	80-04-03	17700	117	80-04-03	22000	122	80-04-03				
	AC	78000	143	80-04-01	80400	146	80-04-02	18071	152	80-04-02				125
SS	AC	14000	118	80-04-02	14000	119	80-04-03	15440	124	80-04-03	15440	124	80-04-03	
	AC	13113	141	80-04-01	13469	144	80-04-01	13800	150	80-04-01				61
	AC	14600	123	80-04-02	15111	129	80-04-02	16200	131	80-04-02				
LW	AC	1000	142	80-04-01	10204	148	80-04-01	11148	154	80-04-01				
	AC	940	128	80-04-02	8979	129	80-04-02	9749	134	80-04-02				61
	AC	8793	148	80-04-01	8909	149	80-04-01	9544	155	80-04-01				77
VWR	AC	7881	127	80-04-01	7878	131	80-04-01	8188	136	80-04-01				
	AC	8393	148	80-04-01	8738	150	80-04-01	9054	156	80-04-01				38
	AC	8884	128	80-04-01	9090	121	80-04-01	9207	128	80-04-01				

*LWS are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)

Lumens Package	Wattage	120V	208V	240V	277V	347V	480V
VMO	152	1.27	0.73	0.64	0.55	0.44	0.32
SS	140	1.00	0.6	0.50	0.43	0.36	0.28
SS	38	0.37	0.44	0.36	0.3	0.27	0.19
LW	72	0.6	0.36	0.3	0.26	0.21	0.15
VWR	60	0.5	0.29	0.25	0.22	0.17	0.13
VWR	38	0.33	0.19	0.16	0.14	0.11	0.08

*Electrical data at 25°C/77°F. Actual wattage may differ by +/-5%.

OPERATING TEMPERATURE

LUMEN PACKAGE	HOUSING
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Catalog # : J	Project :
Prepared By :	Date :

LED6 6" LED Commercial Downlight

6 inch LED new construction downlight delivers superior performance and energy efficiency. Designed to use anodized aluminum reflectors delivering even illumination and low glare. The high performance luminaire offers 1000 up to 4000 lumens with color temperatures of 2700K, 3000K, 3500K, 4000K at 80 CRI. Standard driver offers universal (120-277V) and 0-10V dimming down to 1%. The LED series is ideal for low to medium ceiling heights for retail, hospitality and commercial applications.

Features & Specifications

Optical System

- LED source provides superior lumen output with maximum visual comfort.
- Tailored spot, narrow flood, flood and wide flood beam optics designed for glare free illumination.
- Choice of flanged or flangeless spin reflector utilizing heavy gauge highly reflective diffuse anodized aluminum to deliver low glare, even illumination of the space.
- Reflectors are retained with three retention clips holding the flange light to the finished ceiling surface.
- Minimum CRI of 80.

Electrical

- High-performance driver offers over-voltage, under voltage, short-circuit and over temperature protection.
- 0-10 volt dimming (1% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz.
- L70 Calculated Life > 50K Hours projected @ 25°C per IESNA TM-21-11.
- Total harmonic distortion <20%
- Power factor > .90
- Input power stays constant over life.
- Compatible with Trisic (forward-phase or leading-edge), ELV (reverse-phase or trailing edge) dimming only at 120 vac.
- Driver can be accessed from below plenum for servicing.
- High-efficiency LEDs with integrated circuit board mount directly to an extruded aluminum heatsink to maximize heat dissipation and promote long life.
- Remote Emergency Battery (120-277V) field installed is available to meet critical life safety lighting requirements. The 90-minute battery provides 7.8watts constant power to the LED system, ensuring code compliance. To calculate light output during emergency mode(ELV) battery 7.8 watts x L/PW of fixture being powered - see spec sheet). Detailed wiring diagram and installation instructions located on website.

Dimensions

Accommodates 1/2" ceiling thickness

LSI Industries Inc. 3000 Alliance Rd Cincinnati, OH 45242 • www.lsi-industries.com • (513) 372-3300 • 4LSI Industries Inc. All Rights Reserved.

LCD6

6" LED Commercial Downlight

Luminaire Ordering Guide

TYPICAL ORDER EXAMPLE:

Family/Size	LED Gen	Lumen Package	Voltage	Driver	Color Temperature	CRI	Beam Option*
140W 6" NEW LUMINAIR™	LED	14 - 140W 145-225 240-285 400-450	120V - 120/277V 00W - 100/277V	00W - 100W to 1% (p < 20 driving)	30°-3000K 40°-3000K 40°-4000K	Black - 80-95	SP - Spot HF - Narrow Flood LM - Flood WV - Wash

	Reflector	Finish
Soft-Finge	THRF - Open Reflectors	SP HAZ - Haze semi-diffused
	THRF - Open Reflectors	SF SPEC - Specular clear
	THRWV - Wash Wash*	SF HAZ - Haze semi-diffused
Flangefless (Ship standard w/ white plastic trim ring)	THRF - Open Reflector	HAZ - Haze semi-diffused, white trim ring
	THRF - Open Reflector	SPEC - Specular clear, white trim ring
	THRF - Frosted Floating Lens*	HAZ - Haze semi-diffused Reflector w/ Frosted Floating Lens, w/ integrated white metal trim ring (optional trim ring not compatible)
	THRF - Frosted Floating Lens*	SPEC - Specular Clear Reflector w/ Frosted Floating Lens, w/ integrated white metal trim ring (optional trim ring not compatible)
	THRWV - Wash Wash*	HAZ - Haze semi-diffused wall wash reflector, white trim ring
	THRF - Baffle	HAZ - Haze semi-diffused reflector
	THRF - Baffle	WH - White baffles and white trim ring
	THRF - Baffle w/ Regressed Lens*	BL - Black Baffles and white trim ring
	THRF - Baffle w/ Regressed Lens*	WH - White baffles and white trim ring
	THRF - Baffle w/ Regressed Lens*	BL - Black baffles and white trim ring
THRF - Regressed Lens*	THRF - Regressed Lens*	HAZ - Haze semi-diffused reflector w/ specular clear regressed lens and white trim ring
	THRF - Regressed Lens*	SPEC - Specular clear reflector w/ specular clear regressed lens and white trim ring
	THRF - Regressed Lens*	SPEC - Specular clear reflector w/ specular clear regressed lens and white trim ring

Accessory Ordering Information (accessories are field installed)

Description	Order Number
WH - White metal trim ring (only compatible w/flangefless trim)	616106
EM - Emergency Battery	658003

NOTES:

- Regressed lens trim are wet location listed. All other trims are rated for damp location.
- THRWV wall wash reflector comes with 40° integrated optic; additional beam optics not compatible.
- THRFSL Frosted Floating lens corals with integrated white metal trim; accessory white metal trim ring not required.
- Housing can ship ahead of the light engine and reflector.
- 90 CRI requires 50 gni luminaire & 100 MOD. Consent Factory
- Refer to IES Files for Beam Spread.

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