October 12, 2022

City of Bryant
Community Development
210 SW 3rd Street
Bryant, AR 72022

RE: ***Target Building Signage and Drive Up Parking Variance Application***

Mr. Leonard:

Please accept this justification letter in response to the City of Bryant's sign variance application, revised parking layout, and front walk/site sustainability improvements.

Building Signage and Exterior Improvements

The applicant is seeking a variance in the number of signs allowed per street frontage (Section 3.04 – Signs in Commercial C-2 District). The building is situated on a corner lot, allowing for one additional sign on the east frontage of the building, facing Mt. Carmel Road.

Target is proposing 4 signs on the frontage of the building facing northwest toward Mt. Carmel Road. The store currently has one large bullseye sign with "Target" underneath and a CVS Pharmacy sign. The proposed signage on the front of the building includes the following:

- 13'-0" bullseye	132.73 sf
- 1'-2" "Order Pickup" sign	24.59 sf
- "Drive Up" sign with 24" letters	77.10 sf
- CVS Pharmacy sign (existing to remain)	36.62 sf
	271.04 sf total

Section 3.04 of the signage code for Commercial C-2 districts allows for two square feet per one linear foot of building façade. The front of the building is approximately 404' in width, allowing for 808 square feet of total sign area. The proposed sign area is well below this threshold at approximately 271 square feet. The additional "Drive Up" sign is intended to be used as a wayfinding sign to direct customers utilizing the drive-up service to the correct location within the parking lot. The proposed "Order Pickup" sign near the entrance of the building is intended to direct customers to the front entrance for order pickup. Target has found that including these signs reduces customer confusion and circulating the parking lot, reducing the potential for collisions or other incidents. The existing CVS Pharmacy sign is intended to remain in place. All signs are of high quality and are intended to maintain a subtle but effective presence.

The east side of the store will also include one bullseye with "Target" sign (195.7 sf). The street frontage along the eastern side of the building is 347'-5" yielding an allowable signage area of approximately 695 square feet; the proposed signage area is well within the limits at approximately 196 sf. This sign is allowable as stated in Section 3.04 of the signage code for buildings fronting multiple streets.

In addition to the building signage, the proposed façade improvements include the installation of EIFS panelling along the front and east side of the store frontage.

Drive Up Parking Modifications

Target is proposing relocating and expanding the existing Drive-Up area including wayfinding signage. Wayfinding signage on the building is desired to give Target patrons an easy and identifiable location to pick up their online orders. As part of Target's "Drive Up" program, they are expanding the number of stalls at this store location. Along with expanding the total number of stalls, the drive up location is being relocated and a curb ramp installed to align with a proposed doorway from the building utilized by team members (doorway under separate permit). The relocation is proposed to provide a safer and more direct route for team members.

Exterior Site Sustainability and Front Walk Modifications

The existing parking lot islands contain mostly mulch and an unsustainable sod mix. Target is proposing to improve the planting materials within the parking lot islands, replacing the existing planting material with groundcover plant material to reduce urban heat island effect, amend soil in landscape area near critical root zone to create a healther environment for tree species, and encourage pollinators prosperity. The design impact is anticipated to reduce CO2 with site vegetation and intercept additional rainwater runoff.

In addition to the revised planting within the parking lot, Target is proposing to improve a portion of the front entry walk with the installation of cart storage, bike racks, and benches with planter walls and plantings. Plans and a narrative for the site sustainability are provided with this submittal.

Additional Site Lighting – Drive Up Area

As part of the Drive Up expansion, the applicant is proposing to install two additional site lights for employee and customer safety in the drive up area. The proposed site lights will match existing site lights on site in type, size, color, and finish. Preliminary lighting plans are provided with this submittal.

Should you have any questions or require additional information, please do not hesitate to contact me at christian.jones@kimley-horn.com

Sincerely,



Christian Jones, P.E.
KIMLEY-HORN AND ASSOCIATES, INC

T2204 Bryant, AR

09.23.2022 | Exterior Site Sustainability | Haley Maitre

Summary:
The Bryant design focuses on promoting biodiversity, while stewarding in the natural heritage of the central Arkansas region and maintaining a high-level of guest experience. With the implantation of native vegetation, pollinators are supported through the supply of additional food and shelter. Native plants are the best foundation for diversity and ecological growth within a community. Native plants are also more likely to establish quickly and provide year-round beauty. Cleaner air is also a byproduct of species restoration, as plants absorb the carbon dioxide emitted by cars. These native species showcase horticultural appeal at the front of each store and add economic value through the transformation of a parking area.

Site Challenges:
- Existing plant material lacks diversity and abundance within the parking islands
- The reoccurrence of plant species creates a mono-culture and the subsequent lack of bio-diversity is not beneficial to pollinator species
- Existing parking islands consist of mostly mulch and an unsustainable sod mix

Design Response:
- Add groundcover plant material to reduce urban heat island effect and encourage pollinators prosperity
- Amended soil in landscape areas near critical root zone to create a healthier environment for the tree species
- Convert the turf area in the large linear landscape island to a regenerative landscape area.

Design Impact:
- Total Amended Soil Area: 18,276 SF
- Total Number of Parking Island Modified: 28
- Total Amount of CO2 Sequestered Annually by Site Vegetation: 7,780 lbs of CO2
- Runoff Intercepted by Site Vegetation: 57,800 gallons/year

Recommendations & Future Opportunities: Low to Medium Scope
- Utilize areas within landscape islands as potential rain gardens and stormwater filtration efforts
- Install additional landscape islands to minimize existing paving field and reduce the urban heat island effect
- Increase pollinator garden species in sodded perimeter areas to increase sustainability, biodiversity, and aesthetic qualities
- Add landscape islands at catch basins to mitigate stormwater and improve water quality.

FRONT WALK AND EXTERIOR SITE SUSTAINABILITY PLANS
FOR
T-2204 BRYANT, AR

PROJECT TEAM:

LANDSCAPE ARCHITECT / LANDSCAPE ARCHITECT OF RECORD
KIMLEY-HORN AND ASSOCIATES, INC.

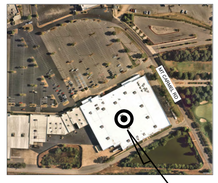
PREPARED BY: RYAN A. HYLLESTED, PLA, ASLA / LEAH CAMPBELL, PLA
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ST. PAUL, MN 55114
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817 W PEACHTREE STREET, SUITE 601
ATLANTA, GA 30308
TELEPHONE (470) 681-6496

ARCHITECT
THOM LASLEY ASSOCIATE AIA
ASSOCIATE PRINCIPAL
TELEPHONE: (882) 200-0349
FAX: (651) 587-7614

OWNER / DEVELOPER
TARGET

CONTACT: ALLYSSA KUSESKE, PE, LEED AP
50 S 10TH STREET, STE 400, TP3-1110
MINNEAPOLIS, MN 5540
TELEPHONE: (612) 322-1872



VICINITY
N.T.S.



Sheet List Table

Sheet Number	Sheet Title
L000	COVER SHEET
L001	GENERAL NOTES
L100	DEMO PLAN - FRONT WALK
L101	DEMO PLAN - EXTERIOR SITE
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L302	LANDSCAPE NOTES AND DETAILS
L400	IRRIGATION PLAN - FRONT WALK

NOTES:

1. CONTRACTOR SHALL CONFIRM THAT THE EXISTING CONDITIONS FOR THE SITE MATCH WHAT IS SHOWN ON THE DRAWINGS INCLUDED PRIOR TO CONSTRUCTION.
2. IF REPRODUCED, THE SCALES SHOWN ON THESE PLANS ARE BASED ON A ARCH full bleed E (36.00 x 48.00 Inches) SHEET.
3. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICES COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
4. ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.

ULTRA-LOW SCOPE DEFINITION:

- ENHANCE EXISTING LANDSCAPE AREA - APPROXIMATELY 8,000 - 10,000 SQFT
- ASSESS EXISTING VEGETATION HEALTH
- DEMOLITION OF NON-NATIVE AND/OR UNHEALTHY PLANTS
- ADD GROUND LEVEL PLANT MATERIAL TO REDUCE HEAT ISLAND EFFECT AND ENCOURAGE POLLINATORS AND BIRD HABITAT
- ADD CANOPY TREES WITHIN THE EXISTING PARKING LOT MEDIANS
- PROVIDE IRRIGATION PERFORMANCE SPECIFICATION TO EVALUATE ADEQUATE WATER FOR NEW LANDSCAPE MATERIAL
- CREATE CURB CUTS TO FACILITATE STORMWATER MITIGATION WHERE APPLICABLE

811 Know what's below. Call 811 before you dig.

TARGET
1000 NICOLLET MALL
MINNEAPOLIS, MN 55403

Kimley»Horn

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401 B STREET, SUITE 600
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

TARGET
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204
CONFIG:
DRAWN BY: CDE
CHECKED BY: EIW

COVER SHEET

L000

9/23/2022

GENERAL CONSTRUCTION NOTES

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE ARKANSAS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS, ROOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL.

3. THE EXISTING SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS FROM AVAILABLE RECORD PLANS PROVIDED BY THE OWNER. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE LANDSCAPE ARCHITECT AT THE TIME OF PLAN PREPARATION AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE LANDSCAPE ARCHITECT. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.

4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.

6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.

7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND LANDSCAPE ARCHITECT BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE LANDSCAPE ARCHITECT.

8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER DIRECTLY FROM THE TESTING AGENCY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.

10. SHOULD CONTRACTOR ENCOUNTER ANY DEBRIS LADEN SOIL, STRUCTURES NOT IDENTIFIED IN THE DOCUMENTS, OR OTHER SOURCE OF POTENTIAL CONTAMINATION, THEY SHALL IMMEDIATELY CONTACT THE LANDSCAPE ARCHITECT AND OWNER.

EROSION CONTROL NOTES

1. BEST MANAGEMENT PRACTICES (BMPS) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER.

2. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.

3. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.

4. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

6. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

7. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN SHALL BE INITIATED AS SOON AS IS PRACTICABLE.

8. ALL STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER QUALITY. OTHERWISE, COVERING OR ENCIRCLING THESE AREAS WITH SOME PROTECTIVE MEASURE WILL BE NECESSARY.

9. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL DEVICE WHICH THEY DISTURB. EACH CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES THAT MAY LEAD TO UNAUTHORIZED DISCHARGE OR STORM WATER POLLUTION, SEDIMENTATION, OR OTHER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE (BUT ARE NOT LIMITED TO) EXCESS CONCRETE DUMPING OR CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASES, FUEL AND LUBRICANT OIL, PESTICIDES, AND ANY SOLID WASTE MATERIALS.

10. EROSION CONTROL DEVICES SHOWN ON THESE PLANS SHALL BE INSTALLED PRIOR TO THE START OF LAND-DISTURBING ACTIVITIES ON THE PROJECT.

11. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE AUTHORITY HAVING JURISDICTION (AHJ) ENGINEERING DIVISION.

GRADING AND DRAINAGE NOTES

1. GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.

2. CONTRACTOR SHALL ENSURE THERE IS POSITIVE DRAINAGE FROM THE BUILDINGS SO THAT SURFACE RUNOFF WILL DRAIN BY GRAVITY TO EXISTING DRAINAGE OUTLETS. CONTRACTOR SHALL ENSURE NO PONDING OCCURS IN PAVED AREAS AND SHALL NOTIFY LANDSCAPE ARCHITECT IF ANY GRADING DISCREPANCIES ARE FOUND IN THE EXISTING AND PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT.

3. CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES THAT ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION. EXISTING CASTINGS AND STRUCTURES TO REMAIN SHALL BE ADJUSTED TO MATCH THE PROPOSED FINISHED GRADES.

4. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND LANDSCAPE ARCHITECT IF ANY DISCREPANCIES ARE DISCOVERED.

5. WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT FULL DEPTH FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.

6. THE CONTRACTOR SHALL INSTALL PROTECTION OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.

8. LIMITS OF CONSTRUCTION ARE TO THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED ON THE PLAN.

9. IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS AND CONSTRUCTION DOCUMENTS.

10. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION WITHOUT COMPENSATION.

11. BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.

12. ALL PROPOSED GRADES ONSITE SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS. ANY SLOPES STEEPER THAN 4:1 REQUIRE EROSION AND SEDIMENT CONTROL BLANKET.

13. ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.

14. CONTRACTOR SHALL ENSURE MINIMUM GRADES ARE MET WITHIN PAVED AREAS, 1.2% FOR ASPHALT PAVING AND 0.6% FOR CONCRETE PAVING.

PAVING AND STRIPING NOTES

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR WISDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS.

2. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D) AND CITY STANDARDS.

3. CONTRACTOR SHALL FURNISH ALL PAVEMENT MARKINGS FOR FIRE LANES, SIGNS, AND MISCELLANEOUS STRIPING AS SHOWN ON THE PLANS.

4. ALL EXPANSION JOINTS SHALL EXTEND THROUGH THE CURB.

5. THE MINIMUM LENGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.

6. ALL JOINTS, INCLUDING EXPANSION JOINTS WITH REMOVABLE TACK STRIPS, SHALL BE SEALED WITH JOINT SEALANT.

7. THE MATERIALS AND PROPERTIES OF ALL CONCRETE SHALL MEET THE APPLICABLE REQUIREMENTS IN THE A.C.I. (AMERICAN CONCRETE INSTITUTE) MANUAL OF CONCRETE PRACTICE.

8. CONTRACTOR SHALL APPLY A SECOND COATING OVER ALL PAVEMENT MARKINGS PRIOR TO ACCEPTANCE BY OWNER FOLLOWED BY A COAT OF GLASS BEADS AS APPLICABLE PER THE PROJECT DOCUMENTS.

9. ANY EXISTING PAVEMENT, CURBS AND/OR SIDEWALKS DAMAGED OR REMOVED WILL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT AND OWNER.

10. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY SUITABLE ACCESSIBLE ROUTES (PER A.D.A). GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO CURRENT ADA STATE/NATIONAL STANDARDS. IN NO CASE SHALL ACCESSIBLE RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2%. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5%. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS AND GATES SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF ADA CRITERIA CANNOT BE MET IN ANY LOCATION PRIOR TO PAVING. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A COMPLIANCE ISSUES.

11. MAXIMUM JOINT SPACING IS TWICE THE DEPTH OF THE CONCRETE PAVEMENT IN FEET.

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1000 NICOLLET MALL
MINNEAPOLIS, MN 55403

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SAN DIEGO, CA 92101
PHONE: 619-234-9411
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Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

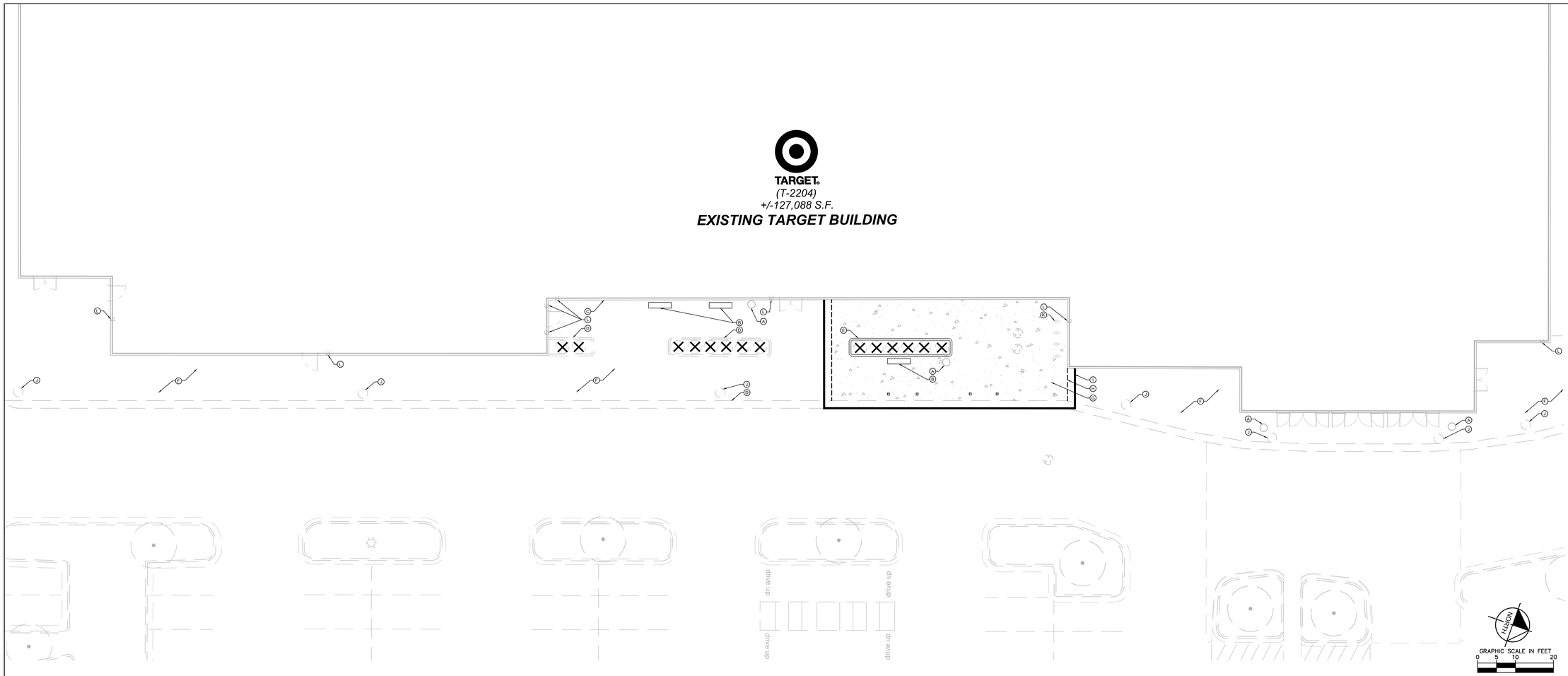
TARGET

BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204
CONFIG:
DRAWN BY: CDE
CHECKED BY: EIW

GENERAL NOTES

L001



1 DEMO PLAN

SCALE: 1"=10'

L100

DEMOLITION PLAN NOTES

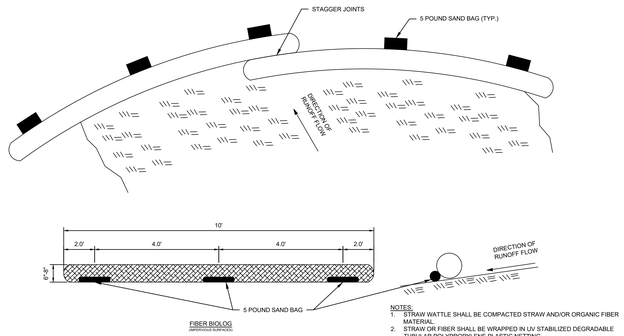
1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE PROJECT DOCUMENTS.
2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. CONTRACTOR SHALL PROVIDE COPIES OF THE PERMIT AND RECEIPTS OF DISPOSAL OF MATERIALS TO THE OWNER AND OWNERS REPRESENTATIVE.
3. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR LOCATIONS OF EXISTING UTILITIES WITHIN ALL AREAS OF PROPOSED WORK.
4. ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS ANY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PRECEDING WITH THE WORK.
5. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
6. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. MAINTENANCE OF TRAFFIC CONTROL SHALL BE COORDINATED IN ACCORDANCE WITH THE CITY OF MANSFIELD, RICHLAND COUNTY AND O/DOT.
7. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES DURING CONSTRUCTION, AND SHALL NOTIFY ALL PROPERTIES IF ACCESS WILL BE INTERRUPTED OR ALTERED AT ANY TIME DURING CONSTRUCTION.
8. PRIOR TO DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED.
9. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
10. ALL UTILITIES SHOWN ARE EXISTING UTILITIES.
11. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF ANY EXISTING DRAINTILE IS ENCOUNTERED ON SITE. NO ACTIVE DRAINTILE SHALL BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.

KEYNOTE LEGEND

A	REMOVE TRASH RECEPTACLE (TYP.)
B	REMOVE BENCH (TYP.)
C	BUILDING CURB TO REMAIN (TYP.)
D	CONCRETE CURB TO REMAIN (TYP.)
E	REMOVE CONCRETE CURB (TYP.)
F	CONCRETE SIDEWALK TO REMAIN (TYP.)
G	REMOVE CONCRETE SIDEWALK (TYP.)
H	SAWCUT LINE (TYP.)
J	FIBER BIO-LOG
J	SPHERICAL BOLLARD TO REMAIN (TYP.)
K	REMOVE BIKE RACK (TYP.)
L	SECURITY CAMERA TO REMAIN (TYP.)

LEGEND

EXISTING	REMOVALS	
		PROPERTY LINE (TYP.)
		CONCRETE SURFACE (TYP.)
		FULL DEPTH SAWCUT (TYP.)
		TREE (TYP.)
		LIMITS OF CONSTRUCTION (TYP.)
		CURB & GUTTER (TYP.)
		WATERMAIN (TYP.)
		SIGN (TYP.)
		STORM MANHOLE (TYP.)
		STORM CATCHBASIN (TYP.)
		ROOF DRAIN (TYP.)
		HYDRANT (TYP.)
		LIGHT POLE (TYP.)
		SPHERICAL BOLLARD (TYP.)
		CYLINDRICAL BOLLARD (TYP.)
		BENCH (TYP.)
		TRASH RECEPTACLE (TYP.)
		BIKE RACK (TYP.)
		BUILDING CURB (TYP.)
		TABLE (TYP.)
		CART STORAGE (TYP.)



NOTES:
1. STRAW WATTLE SHALL BE COMPACTED STRAW AND/OR ORGANIC FIBER MATERIAL.
2. STRAW OR FIBER SHALL BE WRAPPED IN UV STABILIZED DEGRADABLE TUBULAR POLYPROPYLENE PLASTIC NETTING.

2 FIBER BIO-LOG

SCALE: N.T.S.

L100

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SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

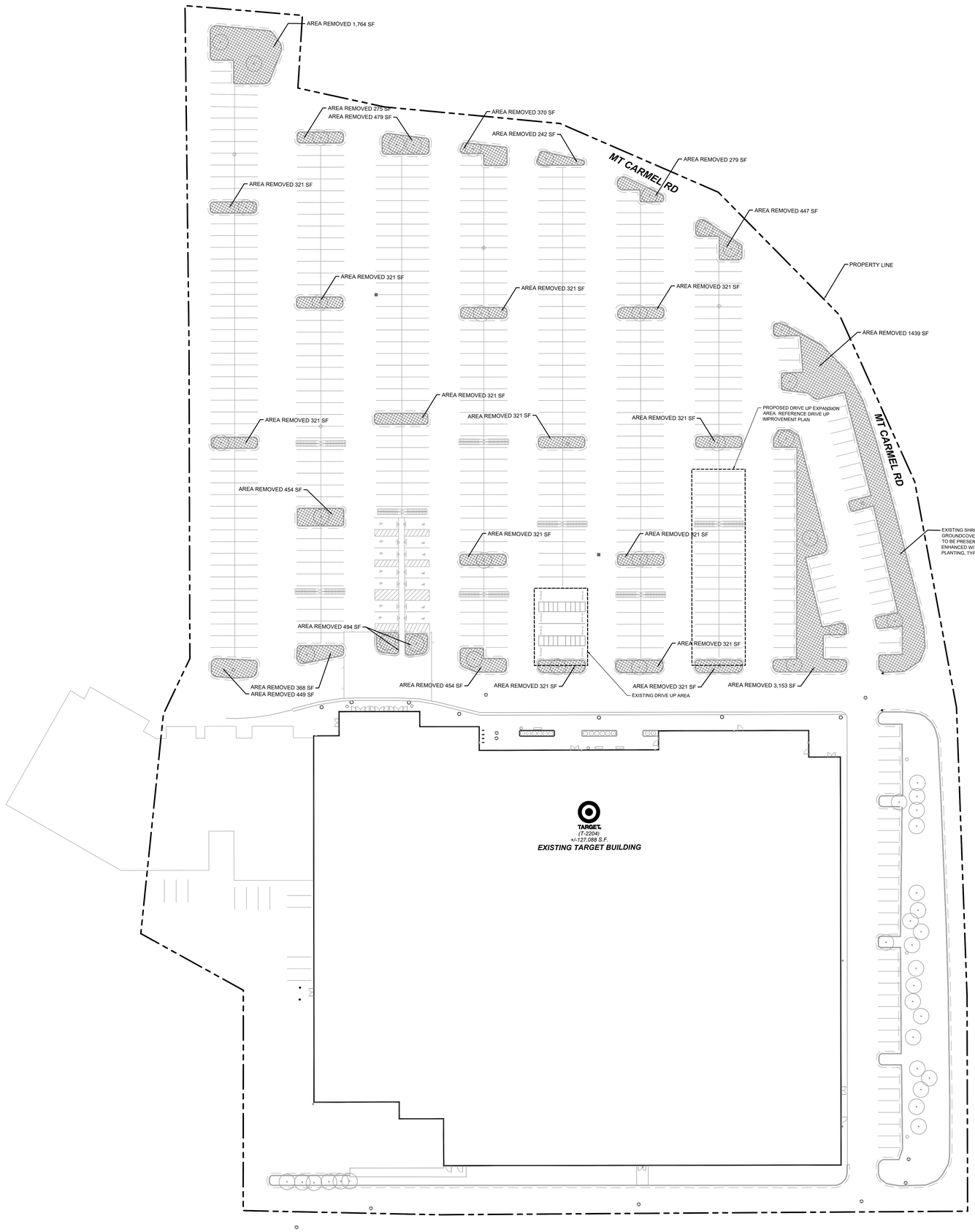
Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

TARGET
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204
CONFIG:
DRAWN BY: CDE
CHECKED BY: EIW

DEMO PLAN
FRONT WALK

L100



TARGET
(T-2204)

EXISTING TARGET BUILDING

LEGEND

EXISTING

- PROPERTY LINE (TYP.)
- TREES TO BE PROTECTED (TYP.)
- SHRUBS AND GROUNDCOVER PLANTS TO BE REMOVED = **18,276 SF**
- SHRUBS AND GROUNDCOVER TO REMAIN AND ENHANCED WITH NEW PLANTING
- STORM CATCHBASIN (TYP.)
- HYDRANT (TYP.)
- LIGHT POLE (TYP.)
- CART STORAGE (TYP.)

GRAPHIC SCALE IN FEET
0 15 30 60

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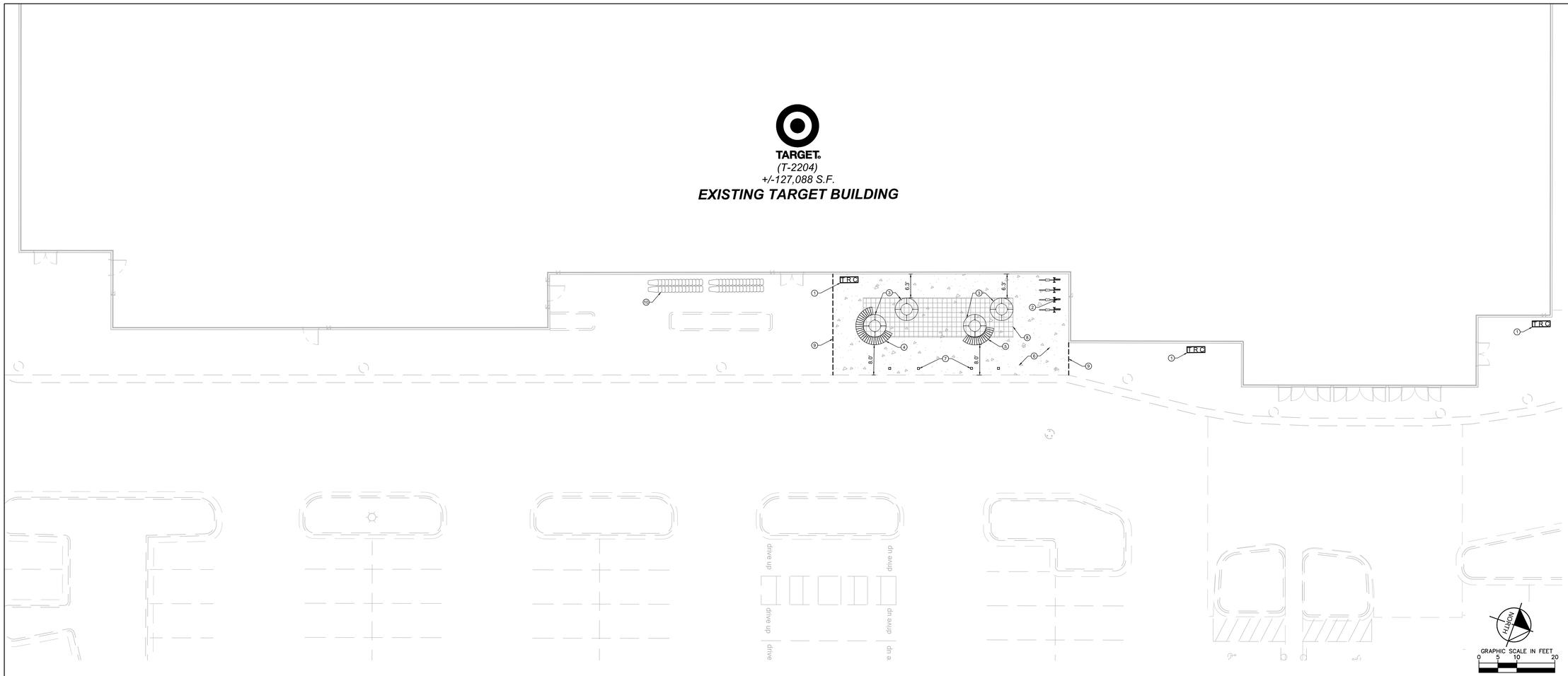
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER	T-2204
CONFIG:	
DRAWN BY: CDE	OS
CHECKED BY: EIW	KSS/HM

DEMO PLAN - EXTERIOR SITE

L101

TARGET
(T-2204)
+/-127,088 S.F.
EXISTING TARGET BUILDING



1 SITE FURNITURE PLAN

SCALE: 1"=10'

L200

MATERIALS SCHEDULE

KEYNOTE	QUANTITY	SYMBOL	ELEMENT	PRODUCTS/MANUFACTURER	COLOR/FINISH	DETAIL
1	3	T.R.C	OUTDOOR LITTER RECEPTACLE - SURFACE MOUNTED (TYP.)	MODEL: SELECT, STYLE 3 MANUFACTURER: LANDSCAPE FORMS	METALLIC STEEL/ POWDER COAT	1 / L201
2	4 (INDIV.)		BIKE RACK - SURFACE MOUNTED (TYP.)	MODEL: RING MANUFACTURER: LANDSCAPE FORMS	STAINLESS STEEL/ POWDER COAT	2 / L201
3	2		PLANTER WALL (TYP.)	MODEL: KITSAP MODULAR PLANTER WALLS - LARGE (72" DIA.) MANUFACTURER: TOURNESOL SITE WORKS	POWDER COAT WHITE	3 / L201
4	1		CUSTOM BENCH 1 - SURFACE MOUNTED (TYP.)	MODEL: CUSTOM BENCH 1 MANUFACTURER: WAUSAU TILE	POLYESTER POWDER COAT	DETAIL TO COME
5	1		CUSTOM BENCH 2 - SURFACE MOUNTED (TYP.)	MODEL: CUSTOM BENCH 2 MANUFACTURER: WAUSAU TILE	POLYESTER POWDER COAT	DETAIL TO COME
6	1,655 SQ. FT		CONCRETE SIDEWALK (TYP.)			5 / L201
7	4		PROFILE BOLLARD (TYP.)			4 / L201
8	409 SQ. FT		STRUCTURAL SOIL (TYP.)			DETAIL TO COME
9	35 FT.		SAWCUT LINE (TYP.)			
10	30 FT.		CART STORAGE			

SITE PLAN NOTES

1. ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
2. ALL DIMENSIONS AND RADII ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATIONS, (UNLESS OTHERWISE NOTED ON PLANS) INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
4. NO PROPOSED LANDSCAPING SUCH AS TREES OR SHRUBS, ABOVE AND UNDERGROUND STRUCTURES, OR OTHER OBSTRUCTIONS SHALL BE LOCATED WITHIN EXISTING OR PROPOSED UTILITY EASEMENTS AND RIGHTS OF WAY UNLESS SPECIFICALLY NOTED ON PLANS OTHERWISE.

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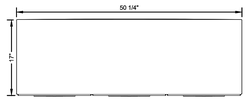
PROJECT NUMBER T-2204
CONFIG:
DRAWN BY: CDE
CHECKED BY: EIW

SITE FURNITURE PLAN FRONT WALK

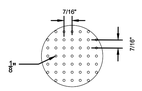
L200

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PLAN- TOP VIEW



OPTIONAL PERFORATED DETAIL



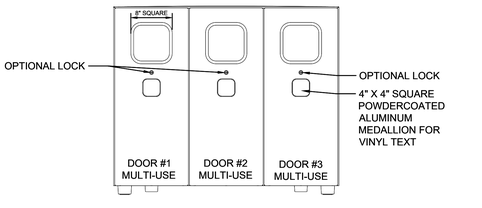
MANUFACTURER:
LANDSCAPE FORMS
WWW.LANDSCAPEFORMS.COM
(830) 430-6209

MODEL: TRIPLE UNIT TRASH / RECYCLING RECEPTACLE

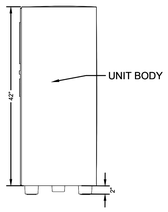
FINISH: METALLIC STEEL/ POWDER COAT

NOTES: INSTALL PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS

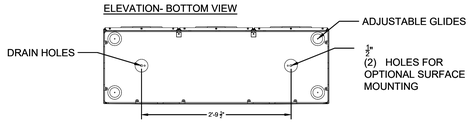
ELEVATION- FRONT VIEW



ELEVATION- SIDE VIEW



ELEVATION- BOTTOM VIEW



*IT IS NOT RECOMMENDED TO DRILL HOLES FOR ANCHORING UNTIL UNIT IS ON SITE.

1 TRIPLE UNIT TRASH / RECYCLING RECEPTACLE

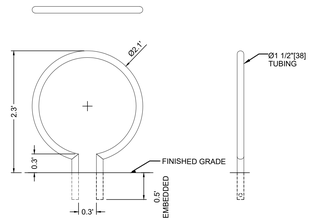
SCALE: N.T.S. L201

MANUFACTURER: LANDSCAPE FORMS
WWW.LANDSCAPEFORMS.COM
(830) 430-6209

MODEL: RING BIKE RACK

FINISH: POWDER COAT METALLIC STEEL

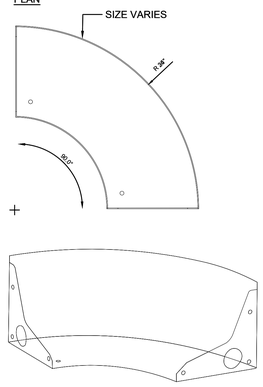
NOTE: INSTALL PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS



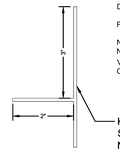
2 RING BIKE RACK

SCALE: N.T.S. L201

PLAN



TOP LIP OPTION



MANUFACTURER: TOURNESOL SITE WORKS

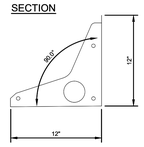
MODEL: KITSAP MODULAR PLANTER WALLS - SMALL (5' DIA.)

FINISH: POWDER COAT WHITE

NOTES: ALL DIMENSIONS ARE NOMINAL, ACTUAL SIZE MAY VARY +/- 2" UNLESS SPECIFIED OTHERWISE

KP- S
STRAIGHT EDGE
NO TOP LIP

SECTION



3 TOURNESOL PLANTER WALL

SCALE: N.T.S. L201

PLAN- TOP VIEW

BASE PLATE DETAIL

MANUFACTURER:
LANDSCAPE FORMS
WWW.LANDSCAPEFORMS.COM
(630) 430-6209

MODEL: PROFILE UNLIT PERIMETER BOLLARD

FINISH: METALLIC STEEL/POWDER COAT

NOTES: INSTALL PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS

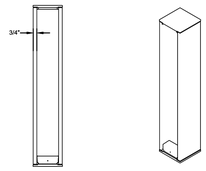
ELEVATION- FRONT



ELEVATION- BACK

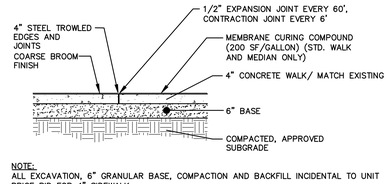


SIDE SECTION



4 PROFILE BOLLARD

SCALE: N.T.S. L201



NOTE:
ALL EXCAVATION, 6" GRANULAR BASE, COMPACTION AND BACKFILL INCIDENTAL TO UNIT PRICE BID FOR 4" SIDEWALK.

5 CONCRETE SIDEWALK

SCALE: N.T.S. L201

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Date	No.	Description
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TARGET
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204

CONFIG:

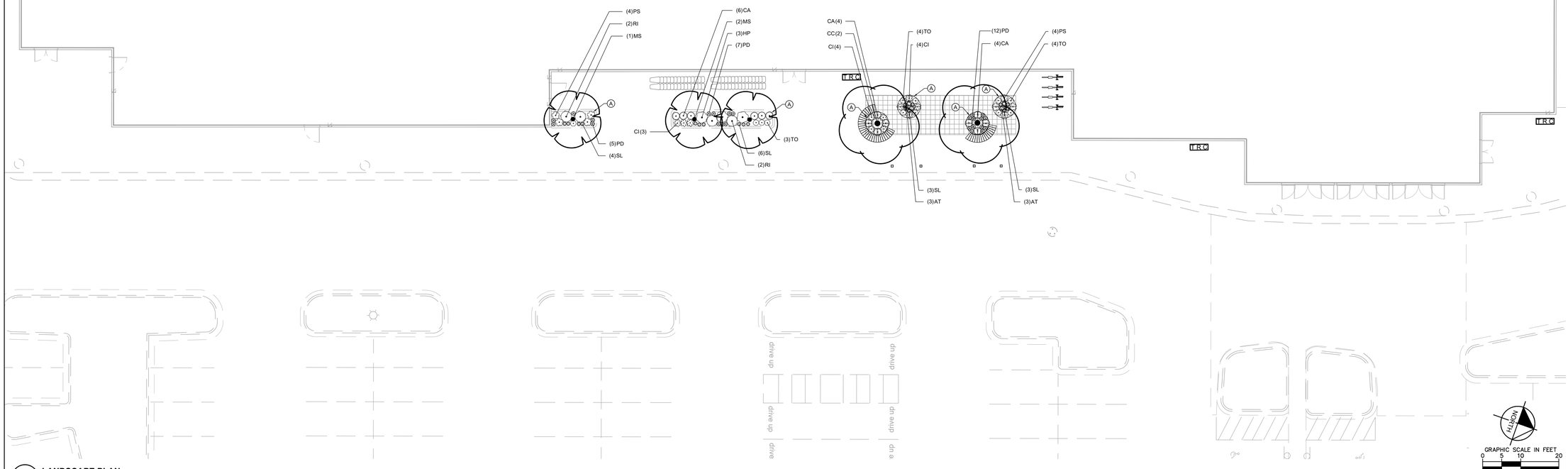
DRAWN BY: CDE

CHECKED BY: EIW

SITE FURNITURE DETAILS FRONT WALK

L201

TARGET
(T-2204)
+/-127,088 S.F.
EXISTING TARGET BUILDING



1 **LANDSCAPE PLAN**
SCALE: 1"=10'

L300

LANDSCAPE NOTES

1. CONTRACTOR SHALL CONTACT COMMON GROUND ALLIANCE AT 811 OR CALL811.COM TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
6. ALL PLANTS TO BE SPECIMEN GRADE, PROJECT STATE-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
   ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
   ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
   ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
   ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING.
   CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
7. CONTRACTOR TO VERIFY PLANTS REQUIRED AS REFLECTED ON PLAN. NOTIFY LANDSCAPE ARCHITECT IF PLAN AND SCHEDULE DO NOT MATCH. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
8. PLANTS TO BE INSTALLED AS PER ANSI STANDARD PLANTING PRACTICES.
9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
11. OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
13. WRAP ALL SMOOTH-BARKED TREES - FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
14. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
15. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
16. BACKFILL SOIL AND TOPSOIL TO ADHERE TO MN/DOT STANDARD SPECIFICATION 3877 (SELECT TOPSOIL BORROW) AND TO BE EXISTING TOP SOIL FROM SITE FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 4" DEPTH TOPSOIL FOR ALL LAWN GRASS AREAS AND 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
17. MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF DOUBLE SHREDDED HARDWOOD MULCH. DOUBLE SHREDDED HARDWOOD MULCH TO BE USED AROUND ALL PLANTS WITHIN TURF AREAS. PERENNIAL AND ORNAMENTAL GRASS BEDS SHALL HAVE 2" DEPTH DOUBLE SHREDDED HARDWOOD MULCH. MULCH TO BE FREE OF DELETERIOUS MATERIAL AND COLORED RED, OR APPROVED EQUAL. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION. MULCH TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
18. EDGING TO BE COMMERCIAL GRADE COL-MET (OR EQUAL) STEEL EDGING; 3/16" THICK, COLOR BLACK, SPADED EDGE, AS INDICATED. STEEL EDGING SHALL BE PLACED WITH SMOOTH CURVES AND STAKED WITH METAL SPIKES NO GREATER THAN 4 FOOT ON CENTER WITH TOP OF EDGER AT GRADE, FOR MOWERS TO CUT ABOVE WITHOUT DAMAGE. UTILIZE CURBS AND SIDEWALKS FOR EDGING WHERE POSSIBLE. SPADED EDGE TO PROVIDE V-SHAPED DEPTH AND WIDTH TO CREATE SEPARATION BETWEEN MULCH AND GRASS. INDIVIDUAL TREE, SHRUB, OR RAIN-GARDEN BEDS TO BE SPADED EDGE, UNLESS NOTED OTHERWISE. EDGING TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
19. ALL DISTURBED AREAS TO BE SODDED OR SEEDED, UNLESS OTHERWISE NOTED. SOD TO BE STANDARD PROJECT STATE-GROWN AND HARDY BLUEGRASS MIX, FREE OF LAWN WEEDS. ALL TOPSOIL AREAS TO BE RAKED TO REMOVE DEBRIS AND ENSURE DRAINAGE. SLOPES OF 3:1 OR GREATER SHALL BE STAKED.
20. PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE. IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND HAVE SPRING STARTUP DURING FIRST YEAR OF OPERATION. SYSTEM SHALL HAVE ONE-YEAR WARRANTY ON ALL PARTS AND LABOR. ALL INFORMATION ABOUT INSTALLATION AND SCHEDULING CAN BE OBTAINED FROM THE GENERAL CONTRACTOR.
21. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
22. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
23. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
24. MAINTAIN TREES, SHRUBS, AND OTHER PLANTS UNTIL PROJECT COMPLETION, BUT IN NO CASE, LESS THAN FOLLOWING PERIOD; 1 YEAR AFTER PROJECT COMPLETION. MAINTAIN TREES, SHRUBS, AND OTHER PLANTS BY PRUNING, CULTIVATING, AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE. REPLENISH MULCH TO THE REQUIRED DEPTH. MAINTAIN LAWNS FOR 45 DAYS AFTER INSTALLING SOD INCLUDING MOWING WHEN SOD RECITES 4" IN HEIGHT. WEED PLANTING BEDS AND MULCH SAUCERS AT MINIMUM ONCE A MONTH DURING THE GROWING SEASON. PROVIDE A MONTHLY REPORT TO THE OWNER ON WEEDING AND OTHER MAINTENANCE RESPONSIBILITIES.

LANDSCAPE KEYNOTES

Ⓐ DOUBLE SHREDDED HARDWOOD MULCH (TYP.)

PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	CAL
	CC	2	CERCIS CANADENSIS	EASTERN REDBUD	B & B	2.5" CAL MIN
ORNAMENTAL TREES	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**CAL**
	MS	3	MAGNOLIA VIRGINIANA	SWEETBAY MAGNOLIA	B & B	2" CAL MIN
DECIDUOUS SHRUBS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SPACING**
	CA	14	CEANOTHUS AMERICANUS	NEW JERSEY TEA	#5 CONT.	2` OC
	HP	3	HYPERICUM PROLIFICUM	SHRUBBY ST. JOHN'S WORT	#5 CONT.	3` OC
	RI	4	RHAPHIOLEPIS INDICA	INDIAN HAWTHORN	#5 CONT.	3` OC
ORNAMENTAL GRASSES	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SPACING**
	AT	6	ANDROPOGON TERNARIUS	SPLITBEARD BLUESTEM	#1 CONT.	2` OC
	SL	16	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	#1 CONT.	1` OC
PERENNIALS	**CODE**	**QTY**	**BOTANICAL NAME**	**COMMON NAME**	**CONT**	**SPACING**
	CI	11	CALLIRHOE INVOLUCRATA	PURPLE POPPYMALLOW	#1 CONT.	2` OC
	PD	24	PENSTEMON DIGITALIS	BEARDTONGUE	#1 CONT.	1` OC
	PS	8	PYCNANTHEMUM TENUIFOLIUM	SLENDER MOUNTAIN MINT	#1 CONT.	2` OC
	TO	12	TRADESCANTIA OCCIDENTALIS	PRAIRIE SPIDERWORT	#1 CONT.	1` OC

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7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204
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DRAWN BY: CDE
CHECKED BY: EIW

LANDSCAPE PLAN
FRONT WALK

L300



TARGET
(T-xxxx)

EXISTING TARGET BUILDING

LEGEND

EXISTING

- PROPERTY LINE (TYP.)
- TREES TO BE PROTECTED (TYP.)
- SHRUBS AND GROUNDCOVER TO REMAIN AND ENHANCED WITH NEW PLANTING
- STORM CATCHBASIN (TYP.)
- HYDRANT (TYP.)
- LIGHT POLE (TYP.)
- CART STORAGE (TYP.)

PLANT SCHEDULE

TREES	QTY	BOTANICAL / COMMON NAME	CAL	HT
	2	BETULA NIGRA / RIVER BIRCH MULTI-TRUNK	B & B	8'GAL
	2	NYSSA SYLVATICA / BLACK GUM	B & B	8'GAL

SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT.
	47	ARONIA ARBUTIFOLIA / RED CHOKEBERRY	3 GAL
	154	ILEX GLABRA / INKBERRY HOLLY	3 GAL
	57	ITEA VIRGINICA / VIRGINIA SWEETSPIRE	3 GAL
	51	RHUS AROMATICA / FRAGRANT SUMAC	3 GAL

GROUND COVERS	QTY	BOTANICAL / COMMON NAME	CONT	
	326	CALYPTOCARPUS VIALIS / HORSEHERB	1 GAL	24" o.c.
	1,278	IRIS VERSICOLOR / BLUE FLAG	1 GAL	12" o.c.
	1,912	RUDBECKIA X 'AMERICAN GOLD RUSH' / AMERICAN GOLD RUSH CONEFLOWER	1 GAL	12" o.c.
	619	SOLIDAGO RUGOSA / WRINKLELEAF GOLDENROD	1 GAL	24" o.c.
	1,261	SPOROBOLUS HETEROLEPIS / PRAIRIE DROPSEED	1 GAL	30" o.c.

GROUNDCOVER AREAS	QTY	BOTANICAL / COMMON NAME	CONT
	204	SHREDDED HARDWOOD MULCH	MULCH

NOTE:

TOTAL SOIL AREA TO BE AMENDED : **18,276 SF**

AMENDED SOIL PROFILE FROM TOP TO BOTTOM:

- 3" DEPTH SHREDDED HARDWOOD MULCH
- 18"-24" DEPTH AMENDED SOIL PER SPECIFICATIONS
- FILTER FABRIC WRAPPING FREE DRAINING AGGREGATE
- 4" DEPTH FREE DRAINING AGGREGATE BASE
- 3" WIDE PERFORATED PIPE WITH DRAIN AND SOCK FOR SOIL AERATION THROUGH DEPTH OF AMENDED SOIL PROFILE. PIPE LOCATIONS TO BE DETERMINE BY LANDSCAPE ARCHITECT IN CONSTRUCTION DOCUMENT SET.

PROPOSED PLANT LOCATIONS IN EXISTING SHRUB AND GROUNDCOVER AREAS TO REMAIN ARE APPROXIMATE. THESE PROPOSED PLANTS SHALL BE LOCATED WITHIN OPEN SPACES BETWEEN EXISTING SHRUB AND GROUNDCOVER PLANTS TO ENHANCE THE AREA AND PLANTED IN THE FIELD AS DIRECTED BY THE LANDSCAPE ARCHITECT.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

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PHONE: 619-234-9411
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Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

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BRYANT, AR
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BRYANT, AR 72022

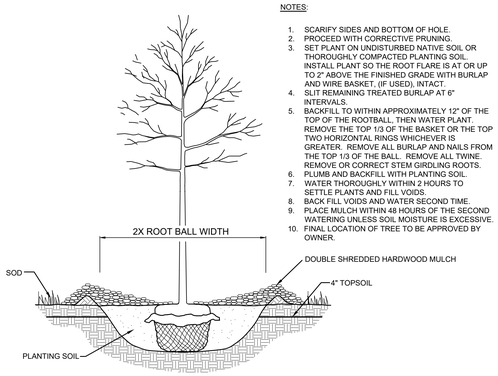
PROJECT NUMBER	T-2204
CONFIG:	
DRAWN BY:	OS
CHECKED BY:	KSS/HM

LANDSCAPE PLAN
EXTERIOR SITE

L301

LANDSCAPE NOTES

1. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE, (800) 242-8511 OR DIGGERSHOTLINE.COM TO VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY PLANTS OR LANDSCAPE MATERIAL.
2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
5. CONTRACTOR SHALL PROVIDE TWO YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE LANDSCAPE ARCHITECT'S OR OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
6. ALL PLANTS TO BE SPECIMEN GRADE, WISCONSIN-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
   ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
   ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
   ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
   ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING. CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS THAN 5:3.
7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
8. PLANTS TO BE INSTALLED AS PER ANSI STANDARD PLANTING PRACTICES.
9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
11. OPEN TOP OF BURLAP ON BB MATERIALS; REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
12. PRUNE PLANTS AS NECESSARY - PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
13. WRAP ALL SMOOTH-BARKED TREES - FASTEN TOP AND BOTTOM. REMOVE BY APRIL 1ST.
14. STAKING OF TREES AS REQUIRED; REPOSITION, PLUMB AND STAKE IF NOT PLUMB AFTER ONE YEAR.
15. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT FOR THE NEED OF ANY SOIL AMENDMENTS.
16. BACKFILL SOIL AND TOPSOIL TO ADHERE TO WISDOT STANDARD SPECIFICATION 625 (TOPSOIL AND SALVAGED TOPSOIL) AND BE LOCAL FERTILE AGRICULTURAL SOIL FREE OF SUBSOILS, ROCKS, CLAYS, PLANTS, WEEDS, ROOTS, AND OTHER IMPURITIES. PH VALUE SHALL BE BETWEEN 5.4 AND 7.0. REMOVE DEBRIS AND WEEDS FROM SUBSOIL. SCARIFY SUBSOIL DEPTH OF 2" PRIOR TO PLACING TOPSOIL. SPREAD TOPSOIL TO A MINIMUM DEPTH OF 6" IN SOD/SEED AREAS, 18" FOR PLANTING BEDS, AND 36" FOR TREE AREAS. TOPSOIL PLACEMENT SHALL TAKE PLACE DURING DRY WEATHER. PREPARE TOPSOIL SO THAT IT IS FREE OF DEBRIS AND GRADED TO DRAIN AS INDICATED ON GRADING PLANS. LIGHTLY COMPACT TOPSOIL AFTER PLACEMENT AND PROHIBIT CONSTRUCTION TRAFFIC FROM AREAS WITH TOPSOIL
17. MULCH TO BE AT ALL TREE, SHRUB, PERENNIAL, AND MAINTENANCE AREAS. TREE AND SHRUB PLANTING BEDS SHALL HAVE 4" DEPTH OF DOUBLE SHREDDED HARDWOOD MULCH. DOUBLE SHREDDED HARDWOOD MULCH TO BE USED AROUND ALL PLANTS WITHIN TURF AREAS. PERENNIAL AND ORNAMENTAL GRASS BEDS SHALL HAVE 2" DEPTH DOUBLE SHREDDED HARDWOOD MULCH. MULCH TO BE FREE OF DELETERIOUS MATERIAL AND NATURAL IN COLOR/DYE-FREE RED, OR APPROVED EQUAL. MULCH AND FABRIC TO BE APPROVED BY OWNER PRIOR TO INSTALLATION. MULCH TO MATCH EXISTING CONDITIONS (WHERE APPLICABLE).
18. PROVIDE IRRIGATION TO ALL PLANTED AREAS ON SITE. MODIFY EXISTING IRRIGATION SYSTEM TO PROVIDE A COMPLETE, WORKING SYSTEM. IRRIGATION SYSTEM TO BE DESIGN/BUILD BY LANDSCAPE CONTRACTOR. LANDSCAPE CONTRACTOR TO PROVIDE SHOP DRAWINGS TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. CONTRACTOR TO PROVIDE OPERATION MANUALS, AS-BUILT PLANS, AND NORMAL PROGRAMMING. SYSTEM SHALL BE WINTERIZED AND HAVE SPRING STARTUP DURING FIRST YEAR OF OPERATION. SYSTEM SHALL HAVE ONE-YEAR WARRANTY ON ALL PARTS AND LABOR. ALL INFORMATION ABOUT INSTALLATION AND SCHEDULING CAN BE OBTAINED FROM THE GENERAL CONTRACTOR.
19. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
20. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.
21. MAINTAIN TREES, SHRUBS, AND OTHER PLANTS UNTIL PROJECT COMPLETION, BUT IN NO CASE, LESS THAN FOLLOWING PERIOD: 1 YEAR AFTER PROJECT COMPLETION. MAINTAIN TREES, SHRUBS, AND OTHER PLANTS BY PRUNING, CULTIVATING, AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS. TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE. REPLENISH MULCH TO THE REQUIRED DEPTH. MAINTAIN LAWNS FOR 45 DAYS AFTER INSTALLING SOD INCLUDING MOWING WHEN SOD RECITES 4" IN HEIGHT. WEED PLANTING BEDS AND MULCH SAUCERS AT MINIMUM ONCE A MONTH DURING THE GROWING SEASON. PROVIDE A MONTHLY REPORT TO THE OWNER ON WEEDING AND OTHER MAINTENANCE RESPONSIBILITIES.

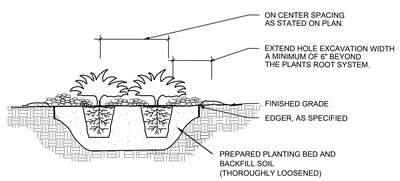


NOTES:

1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING.
3. SET PLANT ON UNDISTURBED NATIVE SOIL OR THOROUGHLY COMPACTED PLANTING SOIL. INSTALL PLANT SO THE ROOT FLARE IS AT OR UP TO 2" ABOVE THE FINISHED GRADE WITH BURLAP AND WIRE BASKET, (IF USED), INTACT.
4. SLIT REMAINING TREATED BURLAP AT 6" INTERVALS.
5. BACKFILL TO WITHIN APPROXIMATELY 12" OF THE TOP OF THE ROOTBALL, THEN WATER PLANT. REMOVE THE TOP 1/3 OF THE BASKET OR THE TOP TWO HORIZONTAL RINGS WHICHEVER IS GREATER. REMOVE ALL BURLAP AND NAILS FROM THE TOP 1/3 OF THE BALL. REMOVE ALL TWINE. REMOVE OR CORRECT STEM GIRDLING ROOTS.
6. PLUMB AND BACKFILL WITH PLANTING SOIL.
7. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
8. BACK FILL VOIDS AND WATER SECOND TIME.
9. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
10. FINAL LOCATION OF TREE TO BE APPROVED BY OWNER.

14 TREE PLANTING DETAIL

SCALE: N.T.S. L302



NOTES:

1. SCARIFY SIDES AND BOTTOM OF HOLE.
2. PROCEED WITH CORRECTIVE PRUNING OF TOP AND ROOT.
3. REMOVE CONTAINER AND SCORE OUTSIDE OF SOIL MASS TO REDIRECT AND PREVENT CIRCLING FIBROUS ROOTS. REMOVE OR CORRECT STEM GIRDLING ROOTS.
4. PLUMB AND BACKFILL WITH PLANTING SOIL.
5. WATER THOROUGHLY WITHIN 2 HOURS TO SETTLE PLANTS AND FILL VOIDS.
6. BACK FILL VOIDS AND WATER SECOND TIME.
7. PLACE MULCH WITHIN 48 HOURS OF THE SECOND WATERING UNLESS SOIL MOISTURE IS EXCESSIVE.
8. MIX IN 3-4" OF ORGANIC COMPOST.

15 SHRUB / PERENNIAL PLANTING DETAIL

SCALE: N.T.S. L302

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Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

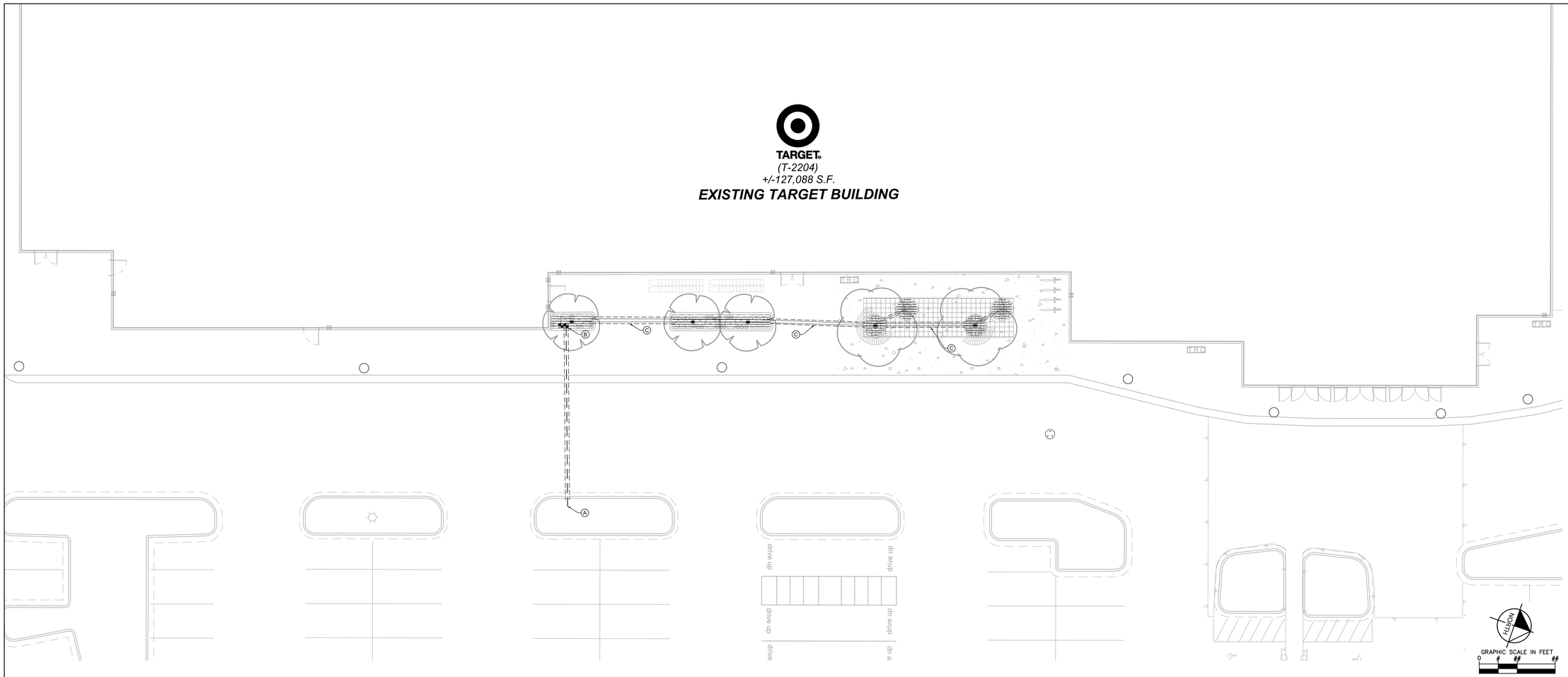
TARGET
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER	T-2204
CONFIG:	
DRAWN BY: CDE	
CHECKED BY: EIW	

LANDSCAPE NOTES AND DETAILS

L302

TARGET
(T-2204)
+/-127,088 S.F.
EXISTING TARGET BUILDING



1 IRRIGATION PLAN
SCALE: 1"=10'

L400

IRRIGATION NOTES

1. IRRIGATION SYSTEM IS DIAGRAMMATIC. CONTRACTOR TO VERIFY AND DESIGN PER ACTUAL PRESSURE, PER LOCAL CODES, AND PER SITE REQUIREMENTS. FIELD VERIFY LOCATION OF COMPONENTS WITH ACTUAL CONDITIONS PRIOR TO INSTALLATION, ADJUST AS NEEDED FOR COMPLETE COVERAGE. SYSTEM TO INCLUDE ALL PLUMBING AND ELECTRICAL, INCLUDING CONDUIT, SLEEVING, AND WEATHER-PROOF ENCLOSURES. SYSTEM SHALL BE COMPLETE. CONTRACTOR TO PROVIDE SHOP DRAWINGS, DESIGN PRESSURE DESIGN CALCULATIONS, AND RELATED PRODUCT SHEETS FOR OWNER OR LANDSCAPE ARCHITECT APPROVAL. CONTRACTOR TO PROVIDE "AS-BUILT" DRAWINGS OF IRRIGATION SYSTEM AT THE COMPLETION OF THE PROJECT. SYSTEM SHALL HAVE A ONE-YEAR WARRANTY ON PARTS AND LABOR. THE IRRIGATION SYSTEM SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATION. SEE SITE IRRIGATION SPECIFICATION SECTION FOR ADDITIONAL REQUIREMENTS, IF APPLICABLE. ZONE PARAMETERS: TURF AREAS SHALL HAVE SPRAYS/ROTORS, SHRUB/ PERENNIAL AREAS SHALL HAVE DRIP, AND TREES SHALL HAVE BUBBLERS.
2. ALL PIPE 1.5" OR GREATER SHALL BE SDR 26 CLASS 200 FOR MAINLINE AND CLASS 160 FOR LATERLINE PVC PIPE(DO NOT EXCEED 35 GPM FOR 1.5" AND 58 GPM FOR 2"). ALL PIPE 1.25" OR 1" SHALL BE 100 POLY PIPE OR CLASS 160 PVC PIPE, AS INDICATED(DO NOT EXCEED 13 GPM FOR 1" AND 22 GPM FOR 1.25"). PIPE SIZE TO BE IDENTIFIED BY CONTRACTOR PER ZONE REQUIREMENTS. DEPTH OF PIPE TO BE APPROXIMATELY 18" FOR MAINLINE AND 12" FOR LATERAL LINES, OR AS REQUIRED, FIELD VERIFY. LOCATE IRRIGATION PIPE AWAY FROM PLANT MATERIAL.
3. ALL WIRING, BACKFLOW PREVENTOR, AND PLUMBING AS PER LOCAL CODE. WATER CONNECTION BY MECHANICAL AND UTILITY CONTRACTOR. VERIFY AND ADD BOOSTER PUMP AS REQUIRED. VERIFY POWER CONNECTION WITH ELECTRICAL.
4. ALL VALVES, FLOW SENSORS, AND QUICK COUPLERS SHALL BE LOCATED IN VALVE BOXES(SIZED FOR NORMAL MAINTENANCE, FLUSH WITH FINAL GRADE. PROVIDE (2) QUICK COUPLER KEYS AND HOSE SWIVELS. PROVIDE DECODERS FOR 2-WIRE SYSTEM AT EACH VALVE. FOR DRIP ZONES, PROVIDE DRIP KIT OF VALVE, PRESSURE REDUCER, AND FILTER WITHIN ONE VALVE BOX. DRIP ZONE AIR RELIEF VALVE AND FLUSH VALVE TO BE IN SEPARATE VALVE BOXES.
5. CONTROLLER TO BE COMMERCIAL TYPE, SIZED FOR NUMBER OF ZONES, CAPABLE OF 2-WIRE TECHNOLOGY, INCLUDING DECODER MODULE AND SURGE PROTECTION. SYSTEM TO BE 2-WIRE TECHNOLOGY WITH REQUIRED GROUNDING(LIGHTING PROTECTION). MOUNT AND CONNECT CONTROLLER AND OTHER CONTROLLER ACCESSORIES, SUCH AS HAND HELD REMOTE, WEATHER/RAIN/FREEZE SENSOR, FLOW SENSOR, AND OTHER RELATED ITEMS. THIS ALSO INCLUDES PAINTED CONDUIT AND MOUNTING BOARDS AND HARDWARE FOR ALL EXPOSED AREA, AS DIRECTED BY OWNER. INSTALL WEATHER/RAIN/FREEZE SENSOR ON EXTERIOR WEATHER EXPOSED VERTICAL SURFACE(S) PER OWNER'S APPROVAL.
6. FIRST YEAR WINTERIZATION AND SPRING START UP OF SYSTEM SHALL BE PERFORMED BY IRRIGATION CONTRACTOR, UNLESS INDICATED OTHERWISE.
7. MINIMUM 4" PVC SCHEDULE 40 SLEEVING SHALL BE REQUIRED UNDER ALL WALKS AND PAVEMENTS FOR IRRIGATION PIPE AND WIRES. PROVIDE 12" LENGTH OF #3 REBAR AT EACH TEMPORARILY SEALED END, STAND PIPE, OR OTHER APPROVED METHODS FOR FUTURE LOCATING. EXTEND SLEEVING AT LEAST 1 FOOT BEYOND EDGE OF PAVEMENT. PROVIDE PVC STAND PIPE FOR LOCATING ENDS OF SLEEVING. PROVIDE MINIMUM TWO SIZES LARGER THAN PIPE SIZE. PROVIDE ADDITIONAL SLEEVING FOR WIRING, AS NEEDED. SLEEVE DEPTH IS PRIMARILY 18 INCHES, OR AS REQUIRED. COORDINATE AND PLACE SLEEVING PRIOR TO PAVEMENT INSTALLATION. DIRECTIONAL BORE UNDER PAVEMENT IN EXISTING CONDITIONS TO REMAIN.
8. BIDDING CONTRACTORS SHOULD BECOME THOROUGHLY FAMILIAR WITH ALL FACETS OF THE PROPOSED IRRIGATION SYSTEM. FAILURE TO CLARIFY MISUNDERSTANDINGS, OR INTENT OF THESE DRAWINGS AND SPECIFICATIONS BEFORE SUBMITTAL OF BID SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE IRRIGATION CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES AND SHALL TAKE PROPER PRECAUTIONS NOT TO DAMAGE OR DISTURB UTILITIES OR EXISTING CONDITIONS. CONTRACTOR SHALL REPAIR/RESTORE ANY DAMAGE INVOLVING IRRIGATION INSTALLATION.
10. INSTALL WEATHER/RAIN/FREEZE SENSOR(S) ON EXTERIOR WEATHER EXPOSED VERTICAL SURFACE(S). COORDINATE WITH OWNER'S AUTHORIZED REPRESENTATIVE AS TO FINAL LOCATION.
11. CONTROL WIRE WILL BE SOLID COPPER WIRE U.L. APPROVED FOR DIRECT BURIAL IN GROUND, MINIMUM GAUGE: MINIMUM #14 U.F. FOR EITHER MULTI-STRAND OR TWO-WIRE. COMMON GROUND WIRE, IF APPLICABLE, SHALL BE MINIMUM #12 GAUGE WHITE. FOR MULTI-STRAND SYSTEMS, PROVIDE TWO EXTRA CIRCUIT WIRES AND ONE EXTRA COMMON GROUND WIRE FOR ENTIRE MAINLINE LENGTH, MARK AS APPROPRIATE. 24 VAC WIRE SPLICING MATERIAL WILL BE DIRECT BURIAL SPLICE KIT AS MANUFACTURED BY 3M.
12. SOME AREAS MAY REQUIRE RISER EXTENSIONS FOR SPRINKLERS OR A FIXED RISER WITH A SHRUB HEAD OR SHRUB ADAPTER TO OBTAIN PROPER COVERAGE. ROTOR NOZZLES TO PROVIDE PROPER COVERAGE AND MATCH PRECIPITATION, AS REQUIRED. FIELD ADJUST AS NEEDED. SPRAY HEADS IN TURF AREAS TO BE 6" POP-UPS AND IN LANDSCAPE BEDS TO BE 12" POP-UPS. INSTALL ROTOR AND SPRAY HEADS TO LATERAL LINE WITH FLEX TUBING OR SWING JOINTS. BUBBLERS TO BE ON 6" POP-UP.
13. VERIFY AND COORDINATE FINAL LOCATION OF WATER SOURCE AND ELECTRICAL POWER CONNECTION.
14. COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH OTHER IMPROVEMENTS.
15. PROVIDE 1" VALVES FOR SPRAY AND ROTOR ZONES FOR 30 GPM OR LESS, AND 1.5" VALVE FOR ZONES GREATER THAN 31 GPM. DRIP ZONES PROVIDE 3/4" OR 1" VALVES PER DEMAND OF ZONE.
16. CONTRACTOR TO SCHEDULE AND PROGRAM CONTROLLER AND VALVES FOR APPROPRIATE LANDSCAPE WATER REQUIREMENTS. VERIFY WITH OWNER AS TO TIME AND SPECIFIC REQUIREMENTS.
17. DRIP IRRIGATION TO FOLLOW MANUFACTURERS RECOMMENDATION FOR TYPE, SIZE, AND LOCATION PER LANDSCAPE CONDITION. EACH DRIP ZONE SHALL HAVE ZONE VALVE, PRESSURE REDUCER, AND FILTER, AIR RELIEF VALVE, FLUSH VALVE, SUPPLY LATERAL LINES, DRIP TUBING WITH EMBEDDED EMITTERS, AND OTHER RELATED ITEMS. DRIP TUBING SHALL BE ANCHORED AND UNDER LANDSCAPE MULCH, HIDDEN FROM VIEW, WITH EMITTERS LOCATED AT PLANT LOCATIONS. DRIP TUBING SHALL ALSO BE LOOPED AND INTERCONNECTED, WITH NO DEAD-ENDS. ANY ADDITIONAL EMITTERS, AS NOTED ON PLAN.

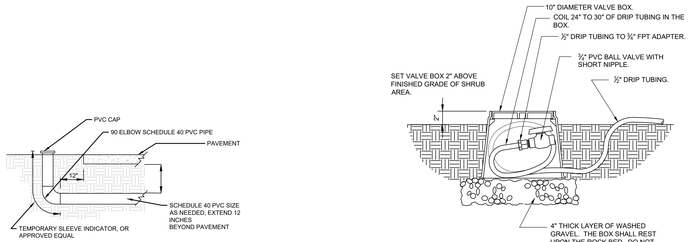
IRRIGATION KEYNOTES

- (A) POINT OF CONNECTION, VERIFY LOCATION WITH OWNER
- (B) MAINLINE & VALVES SHOWN FOR CLARITY. INSTALL MAINLINE AND VALVE WITHIN THE PROPERTY LINE, 6" FROM B.O.C WHEN POSSIBLE, AND IN GREEN SPACE. COORDINATE WITH OTHER DISCIPLINES TO AVOID CONFLICTS (TYP.)
- (C) ALL DRIP ZONES TO HAVE MINIMUM 12" SETBACK (CLEAR ZONE) BETWEEN DRIPLINE AND SOD EDGE OR PAVEMENT EDGE. (TYP.)

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
1401 1402	RAIN BIRD RWS-M-B-C W/ RWS-SOCK 1401 MINI ROOT WATERING SYSTEM WITH 4" DIAMETER X 18" LONG WITH LOCKING GRATE, SEMI-RIGID MESH TUBE AND RAIN BIRD 1401 0.25 GPM OR 1402 0.5 GPM BUBBLER AS INDICATED. WITH CHECK VALVE, AND SAND SOCK FOR SANDY SOIL.	5	30
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3 GPM-20 GPM	2	
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-CV-04-12 XFS-CV SUB-SURFACE AND ON-SURFACE LANDSCAPE DRIPLINE WITH A HEAVY-DUTY 4.9 PSI CHECK VALVE, 0.4 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. SPECIFY XF INSERT FITTINGS.	215.6 L.F.	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21 PVC CLASS 200 IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.	237.6 L.F.	
	IRRIGATION MAINLINE: PVC SCHEDULE 40	48.9 L.F.	
	PIPE SLEEVE: PVC SCHEDULE 40	120.1 L.F.	

Valve Callout
Valve Number
Valve Flow
Valve Size

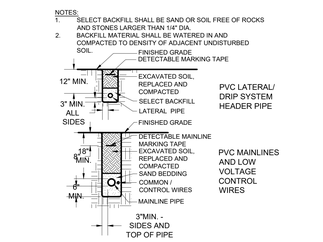


3 DRIP FLUSH VALVE
SCALE: 1 1/2" = 1'-0"

L400

2 TYPICAL SLEEVE DETAIL
SCALE: NTS

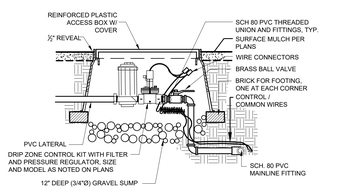
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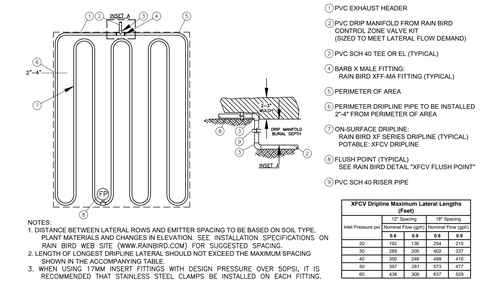
4 PIPE TRENCHING AND BACKFILL - MAINLINE, LATERALS, AND MARKING TAPE
SCALE: N.T.S.

L400

NOTES:
1. ALL WIRES TO BE INSTALLED PER LOCAL CODE. TAPE AND BUNDLE WIRES EVERY 7'. PROVIDE EXPANSION COIL AT EACH WIRE CONNECTION IN VALVE BOX.(WRAP AROUND 1/2" Ø PIPE 15 TIMES).
2. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS ADJACENT UNDISTURBED SOIL.
3. ALL THREADED PVC JOINTS SHALL BE WRAPPED WITH TEFLON TAPE.



5 DRIP ZONE CONTROL KIT
SCALE: N.T.S.



NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. WHEN USING 17MM INSERT FITTINGS WITH DESIGN PRESSURE OVER 50PSI, IT IS RECOMMENDED THAT STAINLESS STEEL CLAMPS BE INSTALLED ON EACH FITTING.

XFCV Dripline Maximum Lateral Lengths (Feet)

Inlet Pressure psi	12" Spacing		18" Spacing	
	Nominal Flow (gph)		Nominal Flow (gph)	
	0.6	0.9	0.6	0.9
20	192	136	264	215
30	259	205	402	337
40	350	248	498	416
50	397	261	573	477
60	436	309	637	529

6 XFCV ON-SURFACE DRIPLINE - QUICK LAYOUT
SCALE: NTS

L400

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401 B STREET, SUITE 600
SAN DIEGO, CA 92101
PHONE: 619-234-9411
WWW.KIMLEY-HORN.COM

Date	No.	Description
09/23/2022	0	DESIGN DEVELOPMENT SUBMITTAL

TARGET
BRYANT, AR
7377 ALCOA RD,
BRYANT, AR 72022

PROJECT NUMBER T-2204
CONFIG:
DRAWN BY: CDE
CHECKED BY: EIW

IRRIGATION PLAN
FRONT WALK

L400

TARGET®

DRIVE UP EXPANSION
T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

SCOPE OF WORK

PARKING LOT RE-STRIPING, STALL PARKING SIGNAGE AND WAYFINDING DRIVE UP BEACONS WHERE SHOWN ON THE PLAN.

ZONING

C-2 - GENERAL COMMERCIAL DISTRICT

OFF-STREET PARKING LOT CODE REQUIREMENTS

- DRIVE AISLE = 20' MIN. WIDTH
- STANDARD PARKING STALL = 10' X 20' MIN.

OWNER

TARGET CORP.
CONTACT: MATTHEW FLANSBURG
50 SOUTH 10TH ST, SUITE 400
MINNEAPOLIS, MN, 55403
MATTHEW.FLANSBURG@TARGET.COM

CIVIL ENGINEER

KIMLEY-HORN
CONTACT: JUSTIN BECKER P.E.
401 B ST, SUITE 600
SAN DIEGO, CA, 92101
619-234-9411
JUSTIN.BECKER@KIMLEY-HORN.COM



VICINITY MAP
NTS

NORTH

SHEET INDEX

COVER SHEET.....C0.0

OVERALL SITE PLAN.....C0.1

IMPROVEMENT PLAN.....C1.0

DETAILS.....C2.0 - C2.1

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TARGET
T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

Project Number	T-2204
Config:	
Drawn By	KM
Checked By	KR

COVER SHEET

C0.0

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OVERALL SITE PLAN
1" = 40'

NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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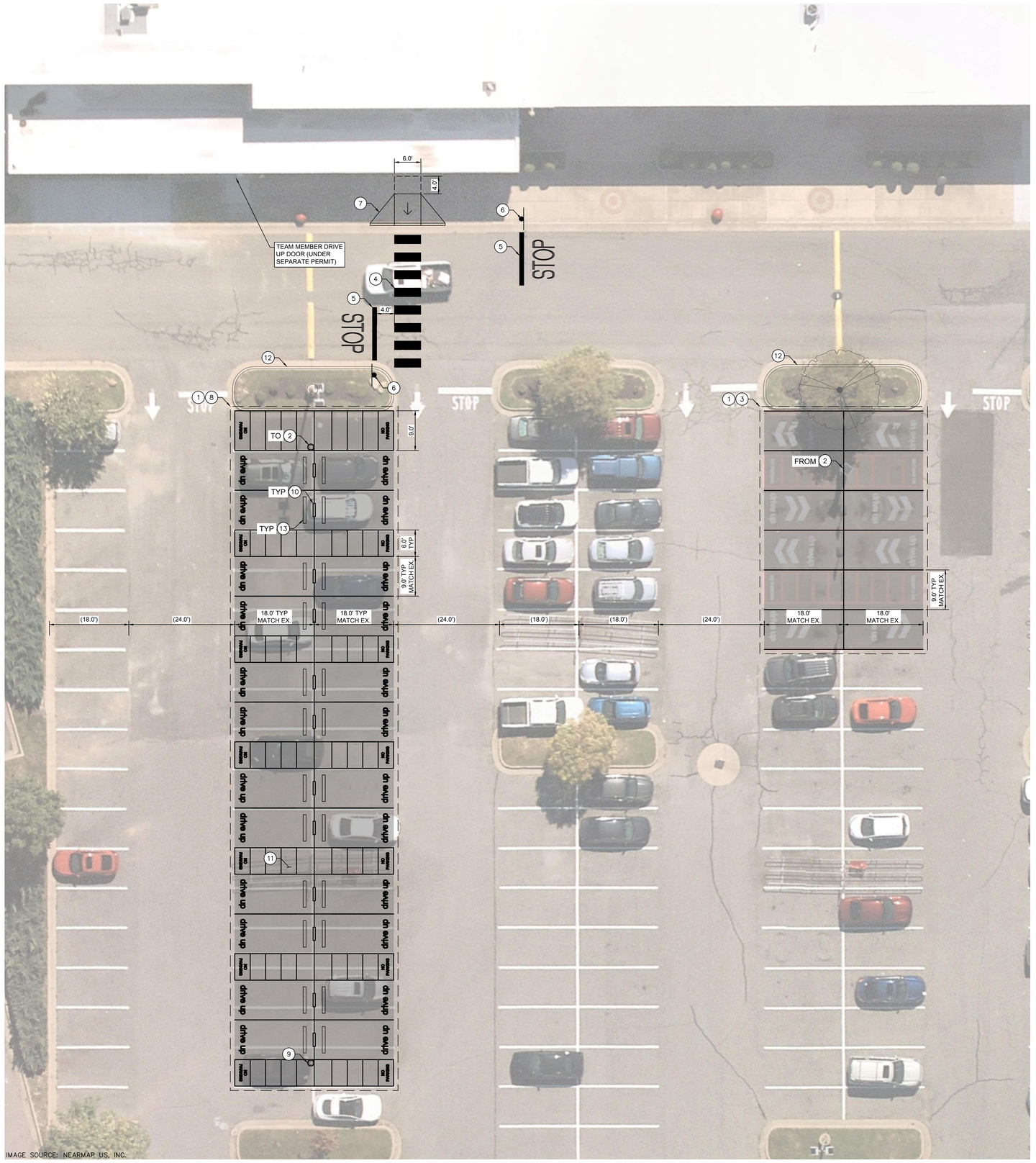
TARGET
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Project Number	T-2204
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OVERALL SITE PLAN

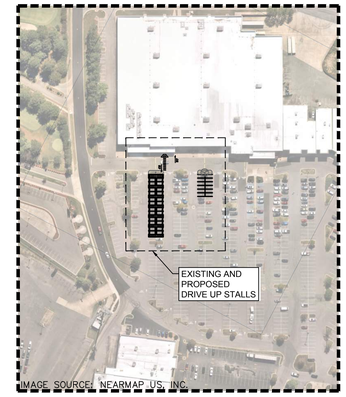
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IMPROVEMENT PLAN FOR EXISTING AND PROPOSED DRIVE UP STALLS

1" = 10'



KEY MAP

1" = 150'

CONSTRUCTION NOTES

1. REMOVE EXISTING STRIPING AND DRIVE UP SIGNAGE.
2. REMOVE AND RELOCATE EXISTING DRIVE UP BEACON.
3. RESTRIPE STANDARD PARKING STALLS USING 4" WIDE WHITE STRIPING.
4. INSTALL CROSSWALK PER DETAILS SHEET.
5. INSTALL STOP BAR AND MARKING PER DETAILS SHEET.
6. INSTALL STOP SIGN PER DETAILS SHEET.
7. INSTALL CURB RAMP PER DETAILS SHEET.
8. INSTALL DRIVE UP STRIPING AND SIGNAGE PER DETAILS SHEET.
9. INSTALL DRIVE UP BEACON PER DETAILS SHEET.
10. INSTALL STANCHION SIGN AND BASE PER DETAILS SHEET.
11. REMOVE AND SALVAGE EXISTING CART CORRALS. CONTRACTOR TO COORDINATE RELOCATION WITH TARGET.
12. PROTECT IN PLACE EXISTING LANDSCAPE ISLAND.
13. INSTALL WHEEL STOP PER DETAILS SHEET.

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NORTH

GRAPHIC SCALE IN FEET
0 5 10 20

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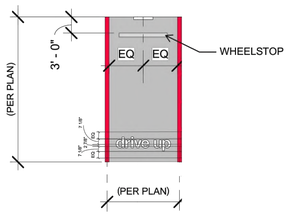
TARGET
T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

Project Number	T-2204
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Drawn By	KM
Checked By	KR

IMPROVEMENT PLAN

C1.0

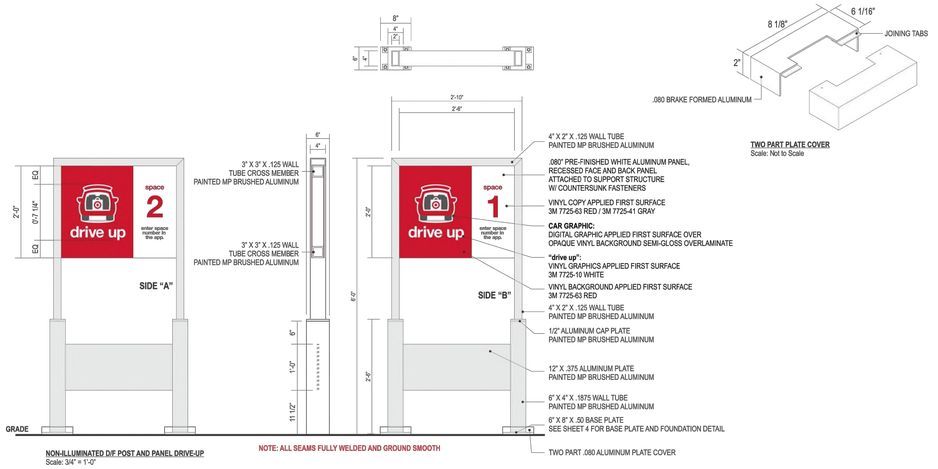
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NOTES:

1. ALL RED STRIPING IS 6" WIDE
2. TARGET TO PROVIDE GC WITH "drive up" AND "NO PARKING" TEMPLATES
3. SEE PLAN VIEW DIMENSIONS FOR EXACT LAYOUT OF SITE
4. REFER TO C1.0 FOR EXACT DIMENSIONS

DRIVE UP STRIPING
N.T.S.



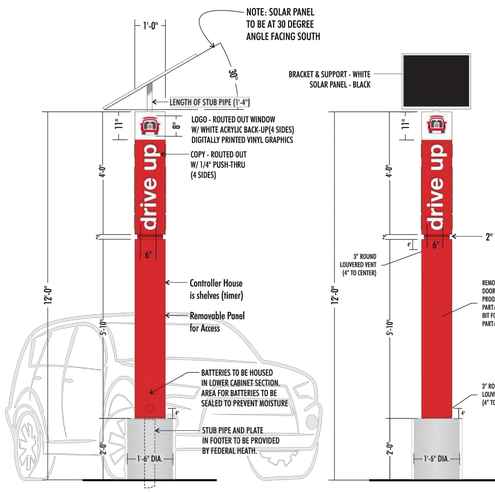
STRUCTURAL DETAILS SHOWN HEREON WERE PROVIDED BY THOMPSON ENGINEERING SERVICES, LLC, AND CERTIFICATION OF THESE DRAWINGS MAKES NO IMPLICATION TO THEIR ACCURACY, NOR DOES IT INFER PROFESSIONAL SUPERVISION THEREOF.

CAR LOGO COLORS
Target Red PMS 186 | DARK RED PMS 188 | DARK GRAY PMS 425 | LIGHT GRAY PMS 421

STANCHION SIGN POST AND BASE - DOUBLE SIDE
N.T.S.

NOTE:
-FOR SOUTHERN SOLAR ZONES SIGNS TO HAVE 70 WATT SOLAR PANEL (DIMENSIONS 2'3" X 2'6").
-FOR NORTHERN SOLAR ZONES SIGNS TO HAVE 100 WATT SOLAR PANEL (DIMENSIONS 2'3" X 3'6").

MATERIAL FINISH COLORS
Target Red 0 SCHEME 6020 (FULL GLOSS) Cabinets | 6020 (100% WHITE (FULL GLOSS) Header/Supports | 7328 WHITE Acrylic Logo Face | CLEAR Acrylic W/ DIFFUSER Push-Thru Copy



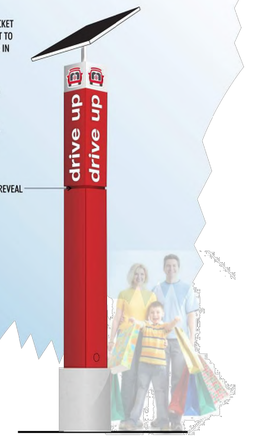
12'(FT) DRIVE-UP BEACON | FOUR(4) SIDED | SOLAR POWERED
scale 1/4" = 1'-0"

12'(FT) DRIVE-UP BEACON | FOUR(4) SIDED | SOLAR POWERED
scale 1/4" = 1'-0"

DESCRIPTION OF WORK
MANUFACTURE AND INSTALL BEACON SIGN AS SHOWN AND NOTED
.125" ALUM.SKIN & FRAME . COPY TO BE ROUT-OUT WITH 1/4" PUSH THRU.
PUSH THRU IS 1/2" SHOULDER-CUT CLEAR ACRYLIC W/ FIRST SURFACE WHITE VINYL AND DIFFUSER 2ND SURFACE.
TOP (LOGO) IS 7328 WHITE ACRYLIC VINYL GRAPHICS FIRST SURFACE.
SERVICE DOORS AS REQUIRED. ALL FASTENERS TO BE COUNTER-SUNK SCREWS.
FACES AND POLE COVER TO BE PAINTED RED (SEE CHART)
WHITE LED ILLUMINATION WITH SOLAR PANELS.
BATTERIES SELF-CONTAINED AS NOTED.

NOTE
SOLAR PANEL, MOUNTING BRACKET AND BATTERIES TO SHIP DIRECT TO INSTALLER AND BE INSTALLED IN THE FIELD.

NOTE
SIGNS TO BE DESIGNED FOR TWO WIND LOAD ZONES. (120MPH) & (180 MPH) (APPROPRIATE STRUCTURAL DESIGN TO BE USED FOR LOCATION AS REQUIRED)



12'(FT) DRIVE-UP BEACON w/ SOLAR PANEL

STRUCTURAL DETAILS SHOWN HEREON WERE PROVIDED BY MBI, INC, AND CERTIFICATION OF THESE DRAWINGS MAKES NO IMPLICATION TO THEIR ACCURACY, NOR DOES IT INFER PROFESSIONAL SUPERVISION THEREOF.

SOLAR DRIVE UP BEACON
N.T.S.

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Date	No	Description

DATE: 05/06/2022

TARGET
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7377 ALCOA RD
BRYANT, AR 72022

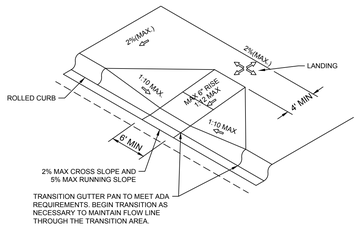
Project Number	T-2204
Config:	
Drawn By	KM
Checked By	KR

DETAILS

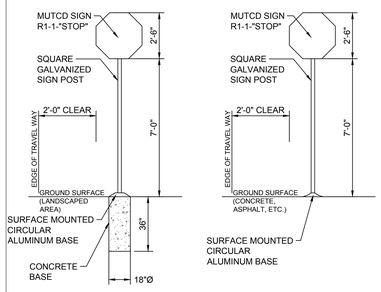
C2.0

NOTES:

1. ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS WHICHEVER ARE MORE STRINGENT.
2. PUBLIC SIDEWALK CURB RAMPS CONSTRUCTED WITHIN A PUBLIC RIGHT- OF -WAY, IN ABSENCE OF LOCAL ROADWAY GUIDELINES, SHALL MEET OR EXCEED LOCAL REGULATIONS.
3. CURB RAMP SURFACES (FLARES AND RAMP) SHALL HAVE A DIFFERENT TEXTURE FROM THE SURROUNDING PAVEMENT.
4. CURB RAMPS SHALL BE CONCRETE WITH STRENGTH OF 2500 PSI.
5. INSTALL 1/4" EXPANSION JOINT FILLER MATERIAL BETWEEN A NEW CURB RAMP AND THE EXISTING SIDEWALKS.
6. WATER PONDING WITHIN THE CURB RAMP LIMITS IS NOT ALLOWED.
7. NO GRADE BREAK IS ALLOWED ALONG THE RAMP SURFACE.
8. CROSS SLOPE OF THE CURB RAMP SURFACE SHALL BE LESS THAN 2%.
9. TRANSITION CHANGE IN ELEVATION IS NOT TO EXCEED 1/2" WITHIN AN ACCESSIBLE ROUTE.
10. DIAGONAL CURB RAMP SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.

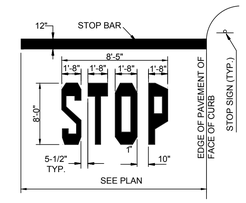


CURB RAMP DETAIL - DIAGONAL RAMP
N.T.S.



CASE 1: LANDSCAPED AREA CASE 2: HARDSCAPE AREA

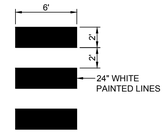
STOP SIGN DETAIL
N.T.S.



NOTES:

1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
2. THESE WORDS AND BAR ARE TO BE PAINTED WHITE.

STOP BAR
N.T.S.



6' WIDE CROSSWALK DETAIL
N.T.S.

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TARGET
T-2204 BRYANT
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Project Number	T-2204
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DETAILS

C2.1

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GENERAL NOTES:

1. THE SUBMISSION OF A BID BY THE CONTRACTOR IS NOTIFICATION THAT THE CONTRACTOR HAS TOTALLY FAMILIARIZED THEMSELF WITH THE CONTRACT DOCUMENTS AND EXISTING SITE CONDITIONS AND HAS AGREED TO PROVIDE THE NECESSARY LABOR AND MATERIAL FOR THE COMPLETE INSTALLATION OF EACH SYSTEM IN A NEAT AND WORKMANLIKE MANNER IN ACCORDANCE WITH THE BEST PRACTICES OF THE INDUSTRY AND IN COMPLIANCE WITH ALL AUTHORITIES HAVING JURISDICTION.

2. THESE DRAWINGS ARE PRESENTED TO THE CONTRACTOR WITH THE UNDERSTANDING THAT THE CONTRACTOR IS AN EXPERT AND COMPETENT IN THE PREPARATION OF CONTRACT BID PRICES ON THE BASIS OF INFORMATION SUCH AS IS CONTAINED IN THESE DOCUMENTS. IT IS THE INTENT OF THE DRAWINGS AND SPECIFICATIONS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION AND IN COMPLETE CONFORMANCE WITH ALL APPLICABLE CODES, RULES, AND REGULATIONS. MINOR ITEMS NOT USUALLY SHOWN OR SPECIFIED, BUT MANIFESTLY NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF THE VARIOUS SYSTEMS, SHALL BE INCLUDED IN THE WORK AND IN THE PROPOSAL THE SAME AS IF SPECIFIED OR SHOWN ON THE DRAWINGS. IF ANY DEPARTURES FROM THE DRAWINGS ARE DEEMED NECESSARY, DETAILS OF SUCH DEPARTURES AND THE REASONS THEREFORE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL. NO DEPARTURES SHALL BE MADE WITHOUT PRIOR APPROVAL.

3. THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL ADVISE THE OWNER OF ANY DISCREPANCIES BEFORE PERFORMING THE WORK.

4. THE DRAWINGS INDICATE ARRANGEMENTS AND APPROXIMATE SIZES AND RELATIVE LOCATIONS OF PRINCIPAL APPARATUS, EQUIPMENT, DEVICES, AND SERVICES TO BE PROVIDED. DRAWINGS ARE DIAGRAMMATIC AND ARE A GRAPHIC REPRESENTATION OF CONTRACT REQUIREMENTS BASED ON THE INFORMATION PROVIDED BY THE MANUFACTURER IDENTIFIED IN THE EQUIPMENT SCHEDULE AT THE SCALE INDICATED.

5. LAYOUT OF EQUIPMENT INDICATED ON THE DRAWINGS SHALL BE CHECKED AND COMPARED AGAINST ALL DRAWINGS AND SPECIFICATIONS OF ALL TRADES AND EXACT LOCATIONS DETERMINED USING REVIEWED SHOP DRAWINGS OF SUCH EQUIPMENT. WHERE PHYSICAL INTERFERENCES OCCUR, CONSULT WITH THE OWNER AND PREPARE DATED, DIMENSIONED DRAWINGS COORDINATED WITH ALL OTHER TRADES WORKING IN THIS AREA AND CORRECTING SUCH INTERFERENCE.

6. THE CONTRACTOR SHALL SCHEDULE THEIR WORK IN ACCORDANCE WITH THE CONSTRUCTION SCHEDULE SO THAT ALL OF THEIR WORK CAN BE INSTALLED WITHOUT DELAYING THE PROJECT. ALL WORK RELATED TO SHUTDOWN OF EXISTING SERVICES SHALL BE PERFORMED AT THE HOURS DESIGNATED BY THE OWNER WITH ALL ASSOCIATED COSTS BORNE BY THE CONTRACTOR AT NO COST TO THE OWNER. PROVIDE ANY TEMPORARY FACILITIES REQUIRED TO PERMIT OWNER'S USE OF EXISTING FACILITIES AND SYSTEMS TO REMAIN UNDISTURBED. COORDINATE ALL WORK, INCLUDING ALL SHUTDOWNS THAT AFFECT SYSTEMS AND/OR PORTIONS OF THE BUILDING THAT MUST REMAIN IN OPERATION, WITH OWNER. ALL SHUTDOWNS SHALL REQUIRE WRITTEN APPROVAL FROM THE OWNER.

7. THE CONTRACTOR SHALL SECURE AND PAY ALL FEES, LICENSES, INSPECTIONS, AND PERMITS PERTAINING TO THE CONTRACT. SUBMIT TO OWNER DUPLICATE CERTIFICATES OF INSPECTION FROM APPROVED INSPECTION AGENCY.

8. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WORKMEN'S IDENTIFICATION AND BADGING, SAFETY AND FIRE PROTECTION, BARRICADES, WARNING SIGNS, TRASH REMOVAL, CUTTING AND PATCHING.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RIGGING, HANDLING, AND PROTECTION OF MATERIALS. ALL EQUIPMENT AND MATERIALS SHALL BE NEW AND WITHOUT BLEMISH OR DEFECT. ALL EQUIPMENT INSTALLED SHALL BEAR THE LABEL OF AN APPROVED AGENCY.

11. THE CONTRACTOR SHALL PROVIDE LABOR TO RECEIVE, UNLOAD, STORE, PROTECT, AND TRANSFER TO POINT OF INSTALLATION FOR ALL FURNISHED ITEMS.

12. WHERE CONDUIT, CABLES, DUCTWORK, OR PIPING PASSES THROUGH FIRE RATED FLOORS OR WALLS, THE PENETRATION SHALL BE COMPLETELY SEALED WITH A FIRE STOP MATERIAL THAT IS UL LISTED AND ACCEPTED BY THE BUILDING DEPARTMENT AND FIRE DEPARTMENT AS BEING SUITABLE FOR THIS SERVICE. THIS MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MANUFACTURER TO MAINTAIN THE UL LISTED FIRE RATING OF THE PENETRATED WALL OR FLOOR.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLAB OPENINGS, WALL OPENINGS, BEAM PENETRATIONS, AND CORING AS IT RELATES TO THEIR WORK. THE CONTRACTOR SHALL SUBMIT SIZE AND LOCATION FOR REVIEW AND APPROVAL.

14. ALL EXTERIOR WALL OPENINGS SHALL BE SLEEVED, PROPERLY CAULKED, AND SEALED WITH A HIGH QUALITY SEALANT TO PREVENT INFILTRATION OF MOISTURE AND OUTSIDE AIR.

15. THE CONTRACTOR SHALL SUBMIT SCHEDULE OF SUBMITTALS PRIOR TO SUBMITTING ANY SHOP DRAWINGS, ETC. TO BE SUBMITTED FOR THIS PROJECT, INCLUDING THE ANTICIPATED DATE OF EACH SUBMISSION. CONTRACTORS SHALL SUBMIT AN ELECTRONIC COPY OF THE COMPLETE SHOP DRAWINGS AND CATALOG CUTS. WIRING DIAGRAMS AND ASSOCIATED DATA TO THE OWNER FOR REVIEW PRIOR TO PURCHASING EQUIPMENT OR STARTING ANY WORK. ANY WORK INSTALLED OR EQUIPMENT PURCHASED PRIOR TO RECEIPT OF OWNER REVIEWED SUBMITTALS SHOP DRAWINGS THAT REQUIRES CHANGES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.

16. SUBMIT CATALOG INFORMATION, FACTORY ASSEMBLY DRAWINGS AND FIELD INSTALLATION DRAWINGS AS REQUIRED FOR A COMPLETE EXPLANATION AND DESCRIPTION OF ALL ITEMS TO BE PROVIDED. THE CONTRACTOR SHALL REVIEW AND APPROVE ALL SHOP DRAWINGS. NO SUBMISSION WILL BE ACCEPTED WITHOUT THE SIGNED APPROVAL OF THE CONTRACTOR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD MEASUREMENTS.

17. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL SUPPLY THE OWNER WITH (3) COMPLETE BOUND COPIES OF ALL OWNER REVIEWED SUBMITTALS AND ALL OPERATION AND MAINTENANCE MANUALS

18. ALL WORK FURNISHED UNDER THE CONTRACT SHALL BE GUARANTEED AGAINST ANY AND ALL DEFECTS IN WORKMANSHIP AND/OR MATERIALS FOR A PERIOD OF NOT LESS THAN (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE INSTALLATION, UNLESS NOTED OTHERWISE IN THE PROJECT SPECIFICATIONS, AND ANY DEFECTS OF WORKMANSHIP DEVELOPING DURING THIS PERIOD SHALL BE REMEDIED AND ANY DEFECTIVE MATERIAL REPLACED WITHOUT ADDITIONAL COST TO THE OWNER.

19. INSTALLED SYSTEMS SHALL OPERATE UNDER ALL CONDITIONS OF LOAD WITHOUT SOUND OR VIBRATION THAT IS OBJECTABLE TO THE OWNER. OBJECTABLE SOUND OR VIBRATION CONDITIONS DUE TO WORKMANSHIP SHALL BE CORRECTED IN APPROVED MANNER BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.

20. THE CONTRACTOR SHALL SIMILARLY NOTIFY OWNER OF COMPLETION OF ALL WORK, INDICATING THE CONTRACTOR IS READY FOR THE OWNER TO PERFORM THE FINAL PUNCHLIST INSPECTION.

21. UPON COMPLETION OF ALL UNFINISHED OR FAULTY WORK NOTED IN THE OWNER'S FINAL PUNCH LIST, THE CONTRACTOR SHALL SUBMIT TO THE OWNER IN WRITING A LETTER OF COMPLETION CERTIFYING THAT ALL PUNCH LIST ITEMS HAVE BEEN COMPLETED AND ALL AS-BUILTS, MANUALS, ETC. HAVE BEEN SUBMITTED.

22. SHOULD A CONTRACTOR REQUIRE REMOVAL, RELOCATION, OR REROUTING OF ANOTHER TRADE'S WORK THAT IS NOT INDICATED ON DRAWINGS, THE CONTRACTOR REQUIRING SUCH WORK SHALL BE RESPONSIBLE FOR THAT WORK, AND PAY ALL REQUIRED COSTS.

23. ALL WORK INVOLVING ALTERATIONS TO EXISTING SYSTEMS, EQUIPMENT, AND MATERIALS SHALL BE REVIEWED WITH THE OWNER BEFORE BEGINNING WORK.

24. DEFINITION: UNLESS OTHERWISE NOTED, ALL WORK SPECIFIED HEREIN OR NOTED ON DRAWINGS, SHALL BE BY THE CONTRACTOR. THE TERM "PROVIDE" WHENEVER ENCOUNTERED ON DRAWINGS OR IN THESE SPECIFICATIONS, SHALL MEAN "FURNISH AND INSTALL."

25. CODES AND STANDARDS: ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS AND FIRE INSURANCE CARRIER'S REQUIREMENTS.

26. MATERIALS: ALL MATERIALS FURNISHED BY THIS CONTRACTOR, SHALL BE NEW AND BEAR THE LABEL OR LISTING OF A NATIONALLY RECOGNIZED INDEPENDENT TESTING LABORATORY.

27. OUTLET AND SWITCH BOXES: PROVIDE AND INSTALL OUTLET BOXES OF PROPER TYPE AND SIZE AS REQUIRED AT ALL OUTLETS WHERE SHOWN. SECURED FIRMLY IN PLACE AND SET TRUE AND SQUARE AND FLUSH WITH THE FINISHED SURFACE.

28. WIRING: WIRES SHALL BE COPPER AND RATED FOR THE LOCATIONS IN WHICH THEY ARE INSTALLED. ALL RACEWAYS ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION TO BE DETERMINED ON THE JOB. CONTRACTOR SHALL ARRANGE ALL NEW CIRCUITS IN PANELS SO AS TO BALANCE THE LOAD ON ALL PHASES.

29. A TYPED DIRECTORY CARD SHALL BE PROVIDED IN EACH PANEL WITH ADDED CIRCUITS TO INDICATE THE LOADS ACTUALLY SERVED.

30. GROUNDING: SHALL BE IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 250. PROVIDE GROUND WIRES AS REQUIRED AND RESIZE CONDUIT IF NECESSARY.

31. DEMONSTRATION OF COMPLETE ELECTRICAL SYSTEMS: UPON COMPLETION OF THE WORK THE CONTRACTOR SHALL OBTAIN A CERTIFICATE OF APPROVAL FROM THE RESPECTIVE INSPECTION AGENCIES. CONTRACTOR SHALL NOTIFY AND MAKE ALL THE NECESSARY ARRANGEMENTS WITH THE INSPECTING AGENCY AND LOCAL AUTHORITIES SO THAT INSPECTION MAY BE CARRIED OUT AT THE PROPER TIME.

32. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROTECT ALL EXISTING EQUIPMENT OR INFRASTRUCTURE DURING CONSTRUCTION. ANY DAMAGE TO EXISTING EQUIPMENT OR INFRASTRUCTURE SHALL BE IMMEDIATELY REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

ELECTRICAL LIGHTING NOTES:

1. PRIOR TO ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY DIMENSIONS AT THE SITE AND IMMEDIATELY REPORT ANY DISCREPANCIES TO THE ENGINEER. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK UNTIL THE ENGINEER RENDERS A DECISION. NO EXTRA CHARGES OR COMPENSATION WILL BE ALLOWED FOR THE DIFFERENCES IN ACTUAL DIMENSIONS AND DIMENSIONS INDICATED ON THE DRAWINGS.

2. THE CONTRACTOR SHALL PROVIDE A UTILITY LOCATOR AND VERIFY THE ACTUAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES IN PLACE UNLESS NOTED OR SPECIFIED OTHERWISE. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.

3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL PROPERTY, LANDSCAPING, PAVING AND DRIVEWAYS THAT ARE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION.

4. HOLES, CAVITIES, TRENCHES, AND DEPRESSIONS RESULTING FROM THE REMOVAL OF STRUCTURES OR OBSTRUCTIONS, EXCEPT IN AREAS TO BE EXCAVATED, SHALL BE BACKFILLED WITH SUITABLE MATERIAL WHICH SHALL BE COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D698, D-2922 AND D-3017. SURPLUS EXCAVATION MATERIALS SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR.

5. ALL CONDUCTORS SHALL BE IDENTIFIED AT ALL PULL BOXES, LOAD CENTERS AND FIXTURES. ALL WIRING DEVICES SHALL HAVE A TAG ON BACK OF THE COVERPLATE IDENTIFYING THE PANEL AND CIRCUIT NUMBER FROM WHICH THEY ARE FED.

6. EACH LIGHT POLE SHALL HAVE 3/4" X 10' COPPER GROUND ROD WITH #6 CU TO GROUND LUG IN LIGHT POLE HANDHOLE. CABLE CONNECTION TO GROUND ROD SHALL BE AN EXOTHERMIC CONNECTION, MINIMUM 12" BELOW FINISHED GRADE.

7. FOR MATERIAL INSTALLED AND/OR WORK PERFORMED PRIOR TO APPROVAL, THE CONTRACTOR SHALL BE LIABLE FOR ITS REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST, IF IN THE OPINION OF THE ENGINEER, THE MATERIAL OR EQUIPMENT DOES NOT MEET THE INTENT OF THE PLANS AND/OR SPECIFICATIONS.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY, STORAGE, AND HANDLING OF ALL MATERIALS AND EQUIPMENT PRIOR TO FINAL ACCEPTANCE. ANY DAMAGED MATERIAL OR EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

9. PRIOR TO ACCEPTANCE, THE CONTRACTOR SHALL ENERGIZE AND OPERATE THE ENTIRE LIGHTING SYSTEM, FROM SUNSET TO SUNRISE FOR TWO (2) CONSECUTIVE DAYS WITHOUT INTERRUPTION OR FAILURE. IF ANY EQUIPMENT OR MATERIAL SHOULD FAIL, IT SHALL BE REPLACED IMMEDIATELY AND RETESTED.

10. "AS-BUILT" DRAWING REQUIREMENTS SHALL CONSIST OF RECORDING, BY THE CONTRACTOR, ANY CHANGE OR DEVIATION ON A SET OF APPROVED PLANS. PLANS SHALL BE FURNISHED TO THE INSPECTOR AT THE COMPLETION OF THE PROJECT. CONTRACTOR SHALL COORDINATE INSPECTION WITH RESIDENT ENGINEER. FINAL PAYMENT SHALL NOT BE MADE UNTIL THE AS-BUILT PRINTS ARE ACCEPTED BY THE RESIDENT ENGINEER.

11. TRENCH, CONDUIT, AND PULL BOXES SHALL BE FURNISHED AND INSTALLED PER TARGET STANDARD SPECIFICATIONS AND STANDARD DETAILS FOR PUBLIC IMPROVEMENTS, LATEST EDITION AND ANY APPROVED/ACCEPTED AMENDMENT OR REVISION.

12. CIRCUIT CONDUCTORS #2 AWG OR SMALLER TO BE COPPER TYPE "XHHW" FOR BELOW GRADE INSTALLATION OR COPPER TYPE THHN/THWN FOR ABOVE GRADE INSTALLATIONS. #1 AWG OR LARGER SHALL BE COPPER TYPE "XHHW-2" STRANDED COPPER. MINIMUM CONDUCTOR SIZE TO BE #10 AWG WITH #10 GND, UNLESS OTHERWISE NOTED.

13. UNDERGROUND CONDUITS TO BE SCHEDULE 40 PVC, MINIMUM DEPTH 30", MINIMUM SIZE 3/4", UNLESS OTHERWISE SHOWN ON THE PLANS. CONDUITS AS SHOWN ARE FOR INFORMATION ONLY. EXACT CONDUIT ROUTING SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

14. HORIZONTAL DIRECTIONAL DRILLED (HDD) CONDUITS TO BE SCHEDULE 40 HDPE, MINIMUM DEPTH 30", MINIMUM SIZE 3/4", UNLESS OTHERWISE SHOWN ON THE PLANS. CONDUITS AS SHOWN ARE FOR INFORMATION ONLY. EXACT CONDUIT ROUTING SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR.

15. EXPOSED CONDUITS TO BE GALVANIZED RIGID STEEL (GRS), MINIMUM SIZE 1", UNLESS OTHERWISE NOTED ON THE PLANS. GRS CONDUIT SHALL EXTEND BELOW GRADE TO THE FIRST ELBOW. ALL GRS CONDUIT EXPOSED TO EARTH SHALL BE HALF LAPPED WRAPPED IN SCOTCHRAP 50 10 MIL TAPE OR EQUAL. EXTEND WRAP TO A HEIGHT OF 12" ABOVE GRADE. INDOOR CONDUITS SHALL BE IMC OR EMT UNLESS OTHERWISE SHOWN ON PLAN.

ABBREVIATIONS:

AFG	ABOVE FINISHED GRADE
AIC	AMPS INTERRUPTING CURRENT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
DIA	DIAMETER
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
FVNR	FULL VOLTAGE NON-REVERSING STARTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GND	GROUND
GRS	GALVANIZED RIGID STEEL
HDD	HORIZONTAL DIRECTIONAL DRILLING
HDPE	HIGH DENSITY POLYETHYLENE
IEEE	INSTITUTE FOR ELECTRICAL AND ELECTRONIC ENGINEERS
IMC	INTERMEDIATE METAL CONDUIT
KW	KILOWATT
KVA	KILOVOLT AMPERES
MEP	MECHANICAL, ELECTRICAL, PLUMBING
MH	MOUNTING HEIGHT
MCC	MOTOR CONTROL CENTER
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PLC	PROGRAMMABLE LOGIC CONTROLLER
PVC	POLYVINYL CHLORIDE
SCCR	SHORT CIRCUIT CURRENT RATING
SES	SERVICE ENTRANCE SECTION
SS	STAINLESS STEEL
TSP	TWISTED SHIELDED PAIR
UBC	UNIFORM BUILDING CODE
UL	UNDERWRITERS LABORATORY
VFD	VARIABLE FREQUENCY DRIVE
W	WATTS, WIRE
WP	WEATHERPROOF
WWTP	WASTE WATER TREATMENT PLANT
XFMR	TRANSFORMER
3P	THREE PHASE

*GENERAL LIST OF ABBREVIATIONS; SOME MAY OR MAY NOT APPLY.

SUMMARY OF BUILDING CODES:

ARKANSAS NATIONAL ELECTRICAL CODE 2011
2012 INTERNATIONAL BUILDING CODE
2012 INTERNATIONAL EXISTING BUILDING CODE
2009 INTERNATIONAL ENERGY CONSERVATION CODE

LEGEND:

PROPOSED UNDERGROUND ELECTRICAL CONDUIT

EXISTING UNDERGROUND ELECTRICAL CONDUIT

PROPOSED SITE LIGHTING LED POLE FIXTURE
SEE PLANS FOR ARRANGEMENT AND QUANTITY

EXISTING SITE LIGHTING LED POLE FIXTURE
SEE PLANS FOR ARRANGEMENT AND QUANTITY

CONSTRUCTION NOTE

SOLAR DRIVE UP BEACON

TARGET
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Date	No	Description

DATE: 09/28/2022

TARGET
T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

Project Number	T-2204
Config:	
Drawn By	CF
Checked By	PMS

SITE LIGHTING GENERAL NOTES

E1.0

Plotted By: Forgett, Christopher Sheet Set: Xhs Layout: E1.0 September 28, 2022 05:30:19pm Y:_T-Stores\2204 Bryant AR\CAD\T2204 DriveUp Expansion (Site Lighting-Electrical).dwg
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LOAD CALCULATION	
LOAD DESCRIPTION	WATTS
PROPOSED LOADS	
PROPOSED LED FIXTURES (ALL)	1,496
+25% PER NEC	374
TOTAL PROPOSED LOAD	1,870

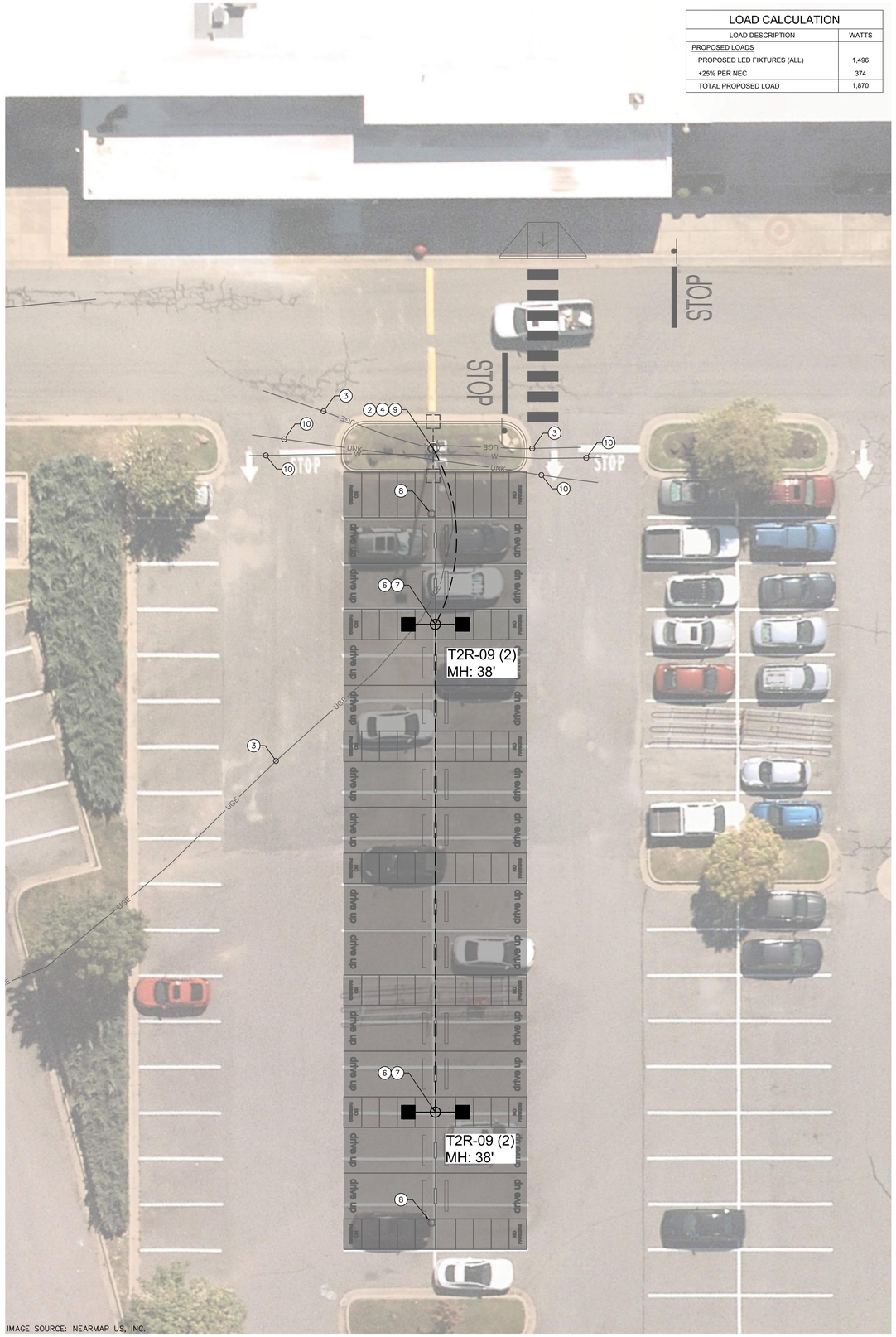


IMAGE SOURCE: NEARMAP US, INC.

PROPOSED DRIVE UP STALLS
1" = 10'

811 Know what's **below.** **Call** before you dig.

KEYED LIGHTING CONSTRUCTION NOTES

1. COORDINATE SITE ELECTRICAL WORK WITH OWNER, SITE MANAGER AND ALL APPROPRIATE TRADES. EXISTING CONDUITS TO BE MANDRELLED AND REUSED; REPLACE IF COLLAPSED OR BLOCKED. INTERCEPT AND EXTEND CONDUITS AND CONDUCTORS AS REQUIRED. RE-USE EXISTING SAME SIZE OR LARGER WIRE AFTER TESTING EXISTING WIRE AND INSULATION PER NEC STANDARDS.
2. EXISTING SITE LIGHTING POLE, FIXTURES, AND FOUNDATION TO REMAIN. PROTECT IN PLACE.
3. EXISTING ELECTRICAL SITE LIGHTING CONDUIT. FIELD VERIFY LOCATIONS AND PROTECT IN PLACE.
4. FURNISH AND INSTALL 3/4" GRS CONDUIT FOR NEW CONDUCTOR PATHS TO PROPOSED POLE LOCATION(S). PENETRATE EXISTING POLE SIDEWALL AND SEAL ALL PENETRATIONS UPON COMPLETION. SEE DETAIL E2 FOR ADDITIONAL INFORMATION.
5. PROVIDE (1) 3/4" SCHEDULE 40 HDPE CONDUIT VIA HORIZONTAL DIRECTIONAL DRILLING (HDD) METHOD. PROVIDE (2) #10 AWG CU XHHW CONDUCTORS AND (1) #10 AWG CU GROUND FOR SITE LIGHTING AND CONNECT FOR A COMPLETE SYSTEM. ENSURE THAT ALL EXISTING CIRCUITS AND CONNECTIONS ARE MAINTAINED.
6. FURNISH AND INSTALL NEW FOUNDATION FOR PROPOSED SITE LIGHTING POLE. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR NEW SITE LIGHTING POLE FOUNDATIONS. FOUNDATIONS SHALL PROVIDE MOUNTING HEIGHT(S) FOR FIXTURES AS DESIGNATED IN THE PLANS. FOUNDATIONS SHALL PROVIDE BOLT PATTERNS TO MATCH THE FLANGE BOLT PATTERN. SEE DETAIL E1.
7. FURNISH AND INSTALL (2) NEW LED SITE LIGHTING FIXTURES COOPER GLEON LUMINAIRE LIGHT MODEL # GLEON-SA6B-740-8-T2R-DP-DIM10-PERTN-MS/DC-L40W AT 38' MOUNTING HEIGHT WITH NEW MAST ARMS ON NEW POLE AND FOUNDATION. PROVIDE (2) #12 AWG CU CONDUCTORS AND (1) #12 AWG CU GROUND FROM POLE HAND HOLE TO EACH FIXTURE AND CONNECT FOR COMPLETE SYSTEM. COORDINATE WITH OWNER TO VERIFY ALL PREVIOUS CIRCUITS AND CONNECTIONS HAVE BEEN REESTABLISHED.
8. SOLAR BEACON. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
9. CONTRACTOR SHALL IDENTIFY EXISTING LIGHTING CIRCUIT TO UTILIZE FOR CONNECTING NEW SITE LIGHTING FIXTURES. IDENTIFY THE EXISTING LIGHTING CIRCUIT'S SOURCE PANEL, CIRCUIT NUMBER AND CIRCUIT BREAKER SIZE. VERIFY EXISTING CAPACITY BY PERFORMING 30-DAY LOAD STUDY OR NEC 220.87 APPROVED METHOD. IF THE TOTAL NEW LOAD (EXISTING PLUS PROPOSED) EXCEEDS THE ALLOWABLE LOADS OF THE CIRCUIT BREAKER OR PANEL, DO NOT CONNECT THE NEW LOADS WITHOUT ADEQUATE CAPACITY. PROVIDE UPDATED PANEL SCHEDULES AS NEEDED.
10. EXISTING UNDERGROUND UTILITIES. FIELD VERIFY LOCATIONS AND PROTECT IN PLACE.

GENERAL CONSTRUCTION NOTES

A. ALL EXISTING ELECTRICAL INFORMATION INCLUDING LUMINAIRE TYPES, PANEL NAMES, CIRCUIT NUMBERS, CONDUIT/CONDUCTOR SIZES AND ROUTING, ETC. ARE UNKNOWN AND BASED ON EXISTING DOCUMENTS AND MAY NOT REFLECT ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL VERIFY INFORMATION DURING CONSTRUCTION AND PROVIDE UPDATED AS-BUILTS UPON COMPLETION.

B. ALL CONDUIT ROUTING AND EQUIPMENT LOCATIONS ARE SCHEMATIC. ELECTRICAL CONTRACTOR SHALL DETERMINE BEST ROUTING PATH BASED ON FIELD CONDITIONS WITH OWNER APPROVAL.

C. CONTRACTOR SHALL COORDINATE WITH EQUIPMENT MANUFACTURER(S) FOR DETAILED CONNECTIONS REQUIREMENTS AND PROVIDE MATERIALS AND INSTALLATION FOR A COMPLETE AND OPERATIONAL SYSTEM.

D. THE CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN SHALL BE MAINTAINED.

E. ALL NEW EQUIPMENT SHALL BE CONNECTED TO AN APPROPRIATELY SIZED CIRCUIT IN AN EXISTING PANEL AND/OR LIGHTING CONTROLLER. CONTRACTOR SHALL VERIFY CIRCUITING PRIOR TO ROUGH-IN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/ENGINEER PRIOR TO ANY CONNECTIONS.

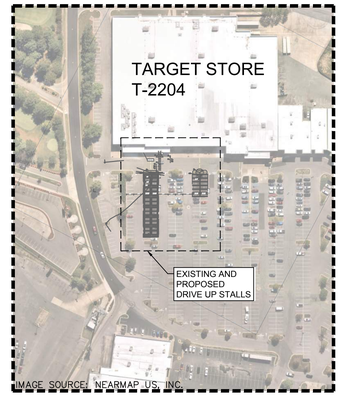
F. CONTRACTOR SHALL VERIFY EXISTING CIRCUITS ARE ADEQUATELY SIZED FOR ANY EQUIPMENT THAT IS TO BE REPLACED PRIOR TO CONNECTING NEW EQUIPMENT.

G. ALL CIRCUITING THAT IS INDICATED SHALL BE FIELD VERIFIED PRIOR TO ROUGH-IN. THE CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS CONNECTED TO ADEQUATELY SIZED CIRCUIT BREAKERS AND CONDUCTORS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/ENGINEER PRIOR TO ANY CONNECTIONS.

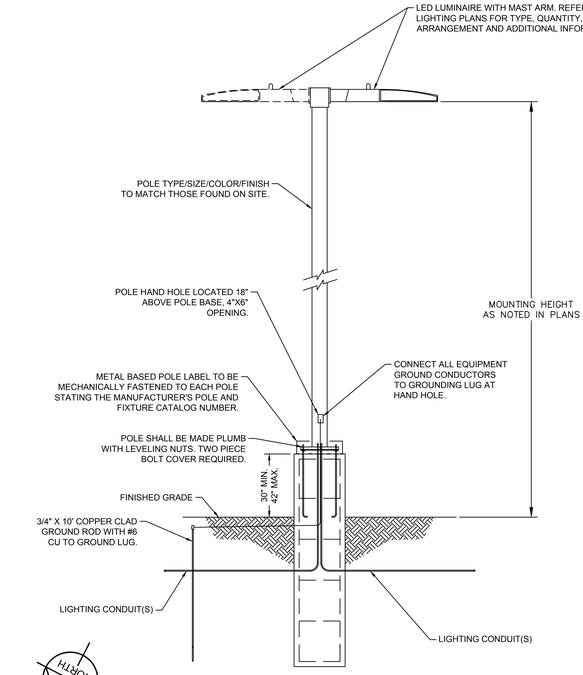
H. CONTRACTOR SHALL ENSURE EXISTING PANELS/LIGHTING CONTROLLERS HAVE ADEQUATE CAPACITY FOR NEW ELECTRICAL LOADS PRIOR TO ANY NEW OR REPLACED EQUIPMENT BEING CONNECTED. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER/ENGINEER PRIOR TO ANY CONNECTIONS.

I. CONTRACTOR SHALL RESTORE AND REPAIR ALL DISTURBED LANDSCAPE, HARDSCAPE, ASPHALT, CURB AREAS ETC. TO ORIGINAL STATE OR BETTER.

J. EXISTING UNDERGROUND UTILITY LOCATIONS ARE UNKNOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH OWNER AND FIELD VERIFY ALL EXISTING SITE CONDITIONS PRIOR TO BEGINNING WORK. ANY EXISTING SYSTEMS (I.E. IRRIGATION, WATER, GAS, SEWER, ETC.) IMPACTED, SHALL BE REPAIRED/RESTORED TO ORIGINAL STATE OR BETTER.

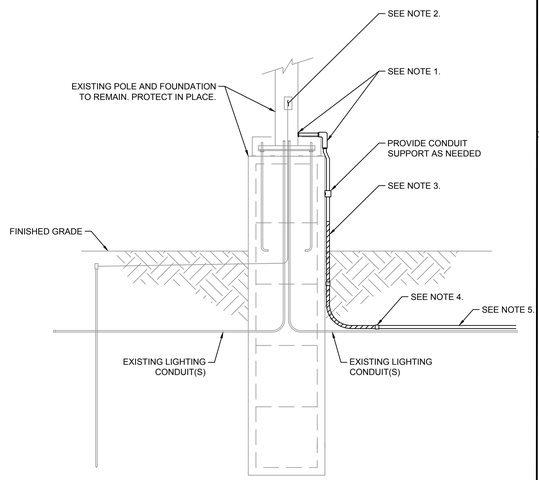


KEY MAP
1" = 150'



NOTES:
1. THIS DETAIL IS FOR REFERENCE ONLY. CONTRACTOR SHALL INSPECT EXISTING SITE POLES AND FOOTERS AND PROVIDE SIMILAR TYPES/SIZES TO MATCH.
2. POLE FOUNDATION SHALL BE PROVIDED IN DEFERRED SUBMITTAL. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO BE INCLUDED IN FINAL AS-BUILTS. SHOP DRAWINGS SHALL BE STAMPED/SIGNED/SEALED BY STATE REGISTERED ENGINEER.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CHECK AND VERIFY ALL ANCHOR BOLT DIMENSIONS (SIZE, BOLT CIRCLE, ETC.) WITH THE CONTRACTOR WHO WILL BE INSTALLING THE LIGHTING STANDARD PRIOR TO INSTALLATION OF THE FOUNDATIONS.
4. POLES, FIXTURES, ARMS AND FIXTURE COMPONENTS TO BE FACTORY PAINTED TO MATCH THOSE FOUND ON SITE.

E1 / E2.0 LIGHT POLE
NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL PENETRATE EXISTING POLE AND CONNECT 3/4" GRS CONDUIT FOR NEW CONDUCTOR PATHS TO PROPOSED POLE LOCATION(S). PROVIDE ALL NECESSARY CONDUIT HARDWARE/FITTINGS FOR A WATERPROOF CONNECTION TO POLE.
2. FURNISH AND INSTALL (2) #10 AWG CU CONDUCTORS AND (1) #10 AWG CU GROUND AND SPLICE WITH EXISTING LIGHTING CONDUCTORS AND CONNECT TO EXISTING GROUNDING IN POLE. COORDINATE WITH OWNER FOR CIRCUIT IDENTIFICATION AND DE-ENERGIZING PRIOR TO INSTALLATION. MAINTAIN ALL EXISTING CIRCUIT CONNECTIONS UPON COMPLETION AND VERIFY FUNCTIONALITY WITH OWNER.
3. GRS CONDUIT SHALL EXTEND BELOW GRADE TO THE FIRST ELBOW. ALL GRS CONDUIT EXPOSED TO EARTH SHALL BE HALF LAPPED WRAPPED IN SCOTCHRAP 50 10 MIL TAPE OR EQUAL. EXTEND WRAP TO A HEIGHT OF 12" ABOVE GRADE.
4. GRS CONDUIT TRANSITION TO HDPE CONDUIT BELOW GRADE.
5. FURNISH AND INSTALL (1) 3/4" SCHEDULE 40 HDPE CONDUIT FOR SITE LIGHTING. CONDUIT SHALL BE INSTALLED IN LOCATIONS USING METHODS AS INDICATED IN THE PROJECT PLANS.

E2 / E2.0 EXISTING POLE CONDUIT TIE IN
NOT TO SCALE

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Date	No	Description

DATE: 09/28/2022

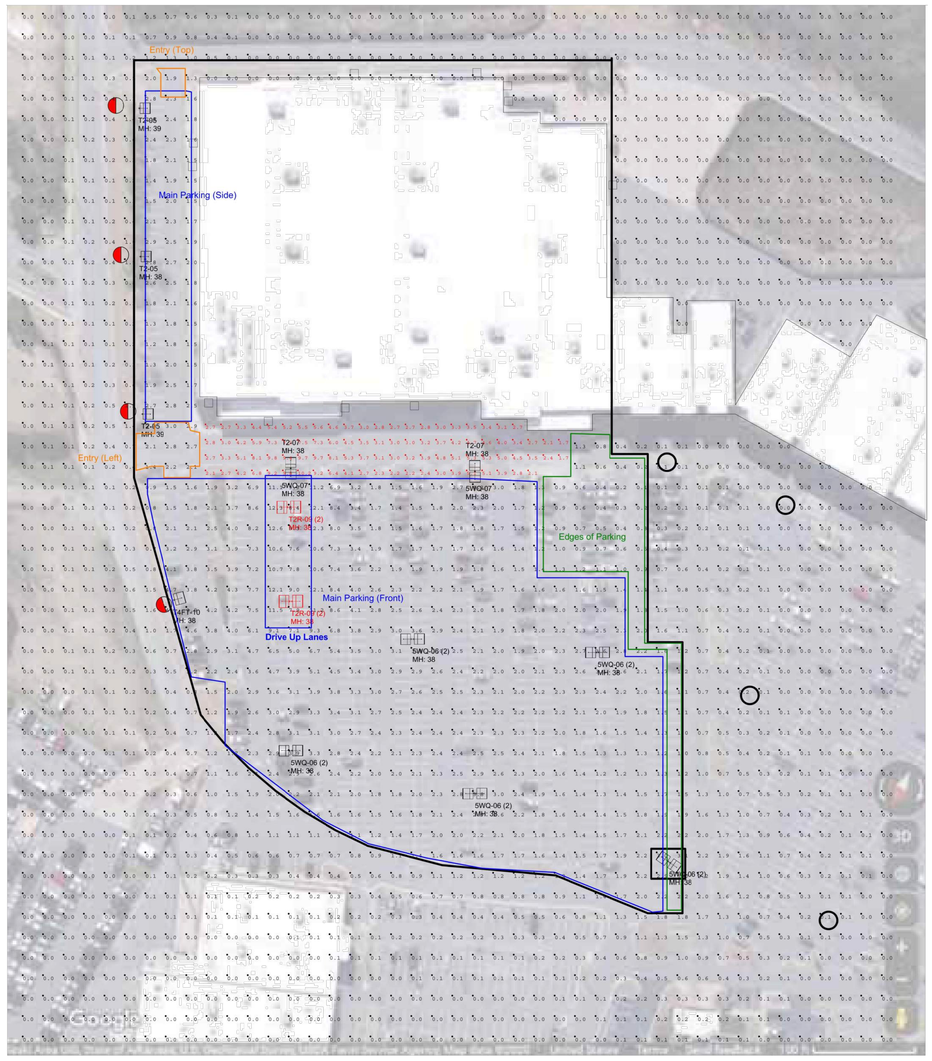
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T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

Project Number	T-2204
Config:	
Drawn By	CF
Checked By	PMS

LIGHTING PLAN

E2.0

Plotted By:Froggett, Christopher Sheet Set:Kha Layout:E2.0 September 28, 2022 05:30:37pm N:\...T-Stores\2204 Bryant, AR\CAD\T2204 DriveUp Expansion (Site Lighting_Electrical).dwg
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Luminaire Schedule

Symbol	Qty	Label	Lum. Watts	Lum. Lumens	LLF	BUG Rating	IES Class	Filename	Description
	5	5WQ-06 (2)	249	36001	0.900	B5-U0-G4	Type VS	GLEON-SA6B-740-8-5WQ-DP-DIM10-PER7N-MS/DC-L40W	TAR-GLEON-SA6B-740-8-5WQ-DP-DIM10-PER7N-MS/DC-L40W
	2	5WQ-07	295	42575	0.900	B5-U0-G5	Type VS	GLEON-SA7B-740-U-5WQ.ies	TAR-GLEON-SA7B-740-8-5WQ-DP-DIM10-PER7N-MS/DC-L40W
	3	T2-05	210	28029	0.900	B3-U0-G4	Type III	GLEON-SA5B-740-U-T2.ies	TAR-GLEON-SA5B-740-8-T2-DP-DIM10-PER7N-MS/DC-L40W
	2	T2-07	295	39667	0.900	B3-U0-G5	Type III	GLEON-SA7B-740-U-T2.ies	TAR-GLEON-SA7B-740-8-T2-DP-DIM10-PER7N-MS/DC-L40W
	2	T2R-09 (2)	374	53224	0.900	B3-U0-G5	Type II	GLEON-SA9B-740-U-T2R.ies	TAR-GLEON-SA9B-740-8-T2R-DP-DIM10-PER7N-MS/DC-L40W
	1	T4FT-10	419	56904	0.900	B4-U0-G5	Type IV	GLEON-SA0B-740-8-T4FT-DP-DIM10-PER7N-MS/DC-L40W	TAR-GLEON-SA0B-740-8-T4FT-DP-DIM10-PER7N-MS/DC-L40W

Calculation Summary

Label	CalcType	Avg	Max	Min	Avg/Min	Max/Min
Store Entrance Drive	Illuminance	4.47	10.2	1.7	2.63	6.00
Drive Up Lanes	Illuminance	10.27	12.6	7.1	1.45	1.77
Edges of Parking	Illuminance	1.06	3.1	0.1	10.60	31.00
Entry (Left)	Illuminance	2.40	3.0	1.4	1.71	2.14
Entry (Top)	Illuminance	2.10	2.3	1.9	1.11	1.21
Main Parking (Front)	Illuminance	3.06	12.6	1.1	2.78	11.45
Main Parking (Side)	Illuminance	2.01	2.9	1.2	1.68	2.42

NOTES:

RED CALC POINTS = BUILDING ENTRANCE DRIVE
BLUE = MAIN PARKING AREAS
GREEN = EDGES OF PARKING
ORANGE = ENTRY DRIVES

□ = WALL MOUNT LOCATIONS

○ = POLE LOCATIONS BY OTHERS

□ = POLE LOCATIONS DO NOT TURN ON WITH OVERRIDE

◒ = OCC SENSOR MASKING (RED IS AREA TO MASK)

T2204 - DESIGN LEVEL 1
BRYANT, AR
Pole Color & Shape Per Survey - BLACK / SQUARE
Fixture Voltage Per Survey - 480V

GRAPHIC SCALE IN FEET
0 30 60 120

NOTES

1. THE EXISTING ON-SITE LIGHTING WAS MODELED BASED OFF THE LATEST AERIAL IMAGERY FROM GOOGLE MAPS. CONTRACTOR TO VERIFY FIELD CONDITIONS AND BRING TO THE ATTENTION OF THE DESIGNER ANY DISCREPANCIES FROM THE PLANS.
2. THIS PHOTOMETRIC PLAN PREPARED BY OTHERS IS TO BE UTILIZED FOR REFERENCE PURPOSES ONLY.
3. EXISTING PARKING LOT LIGHTING, OUTSIDE OF THE LIMITS OF LIGHTING ANALYSIS, WAS NOT CALCULATED FOR THIS PROJECT.
4. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOT-CANDLES.
5. THIS PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. CONTRACTOR MUST BRING TO THE DESIGNERS'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH THE INFORMATION PROVIDED IN THIS PLAN.
6. NO BUILDING LUMINAIRES WERE INCLUDED IN THE CALCULATIONS FOR THE DRIVE UP AISLE.

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Date	No	Description

FOR REFERENCE ONLY

DATE: 09/28/2022

TARGET
T-2204 BRYANT
7377 ALCOA RD
BRYANT, AR 72022

Project Number	T-2204
Config:	
Drawn By	CF
Checked By	PMS

PHOTOMETRIC PLAN

E3.0

Plotted By: Frogatt, Christopher - Sheet Set: Xlna Layout: E3.0 September 28, 2022 05:30:37pm Y:_T-Stores\T-2204 Bryant AR\CAD\T2204 Drivetu Expansion (Site Lighting-Electrical).dwg
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