



City of Bartlett
David Parsons, Mayor

DESIGN REVIEW COMMISSION AGENDA

**Tuesday, December 19, 2023 – 5:00 P.M.
Bartlett City Hall Annex Conference Room**

Opening Prayer

****Official Business of the Day****

Minutes of the Tuesday, September 19, 2023 and Tuesday, November 21, 2023 Meetings

Site Plan

1. SignPros Memphis, Inc., 6352 Summer Avenue (Neeraj Kumar, Design Group LLC)

Neeraj Kumar, with Design Group LLC, is requesting Design Review Commission approval of a Site Plan for Sign Pros Memphis, Inc. at 6352 Summer Avenue. The Design Review Commission will review the Site Plan to include the following: building color(s), materials of building, landscaping, site lighting, and building elevations.

NEW BUSINESS

Site Plan

2. Club Car Wash, 8274 Highway 64 (Holly Bergman, Finkle + Williams)

Holly Bergman, with Finkle + Williams, is requesting Design Review Commission approval of a Site Plan for Club Car Wash at 8274 Highway 64. The Design Review Commission will review the Site Plan to include the following: building color(s), materials of building, landscaping, trash collection areas, and building elevations.

3. Dunkin Donuts, Appling Road & Highway 70 (David Ware, Ware & Associates)

David Ware, with Ware & Associates, is requesting Design Review Commission approval of a Site Plan for Dunkin Donuts at Appling Road & Highway 70 to include the following: building color(s), materials of building, landscaping, trash collection areas, building elevations, exterior lighting, meter locations, and mechanical units.

Discussion

The public shall be provided an opportunity to address the Board or Commission during an Open Discussion period at the end of each regular and special meeting of the governing body. Prior to the start of the meeting, individuals will be required to complete and present to the Clerk the Open Discussion Citizen form provided at each meeting. The Open Discussion period for regular and special meetings of the Board or Commission shall be limited to twenty (20) minutes. Individuals shall be allowed to speak for up to three (3) minutes each. Open Discussion periods will not be held for any meeting where there are no actionable items on the agenda or meetings where the governing body is conducting a disciplinary hearing for a member of the governing body or a person whose profession or activities fall within the jurisdiction of the governing body.

Adjourn

DESIGN REVIEW COMMISSION
Tuesday, December 19, 2023 – 5:00 P.M.
Bartlett City Hall Annex Conference Room
Staff Comments

Continued
Site Plan

1. SignPros Memphis, Inc., 6352 Summer Avenue (Neeraj Kumar, Design Group LLC)

INTRODUCTION: Mr. Neeraj Kumar with the Design Group, LLC, is requesting Design Review Commission approval of a revised site plan for Sign Pros Memphis, Inc. The subject property is located at 6352 Summer Avenue within “C-H” Highway Business District.

BACKGROUND: The subject property is located on a combination of Lots 1 & 2 of the Highway 70-Elmore Road Center, Section A, approved by the Planning Commission June 6, 1988. It is the former location of Dixie Rents. The existing 2,400 square foot building was built in 1970.

DISCUSSION: Sign Pros Memphis is relocating from their Memphis location to Bartlett and occupying the former Dixie Rents building. The applicant is proposing to add a 1,672 square foot storage building near the rear of the existing building. The specific request by the applicant is for DRC approval of building elevations, landscaping, dumpster, and lighting. Details are as follows:

Site Data	
Site Area:	.68 acres/29,760 square feet
Total Required Parking Spaces:	10 spaces
Total Proposed Parking Spaces:	10 spaces
Handicap Accessible:	1 ADA van accessible
Total Existing Building Area	2,400 square feet retail/ 600 square feet storage
Total Proposed Storage Building	1,672 square feet
Total Proposed Building Area:	4,700 square feet
Greenspace/Open Space:	37%
Building Height:	1 story/23.5 feet

Elevations: The front of the existing building is the east elevation facing Summer Ave., which is also the entrance to the building. The existing building will be painted Valspar Ganymede (800612C). All gutters, downspouts, and fascia will be painted Valspar Ground Truth (8006-11E). The gable canopy over the front of

the existing building will have a new stucco façade painted Valspar Ganymede (8006-12C). The wood trim will be painted Valspar Ground Truth (8006-11E).

The proposed 1,672 square foot storage building will be constructed 6 feet behind the existing building. The proposed on four elevation facades will be pewter gray metal siding to match the existing building. The north and south elevations will have pewter gray metal roll up doors with black trim. The east elevation will have a personnel door that will also be pewter gray with black trim. The standing seam metal roof will be pewter gray.

Dumpster: Dumpster will be located on the east side of the building, enclosed behind an existing fence.

Landscaping: The new landscaping is proposed along the west side of the property. Existing gravel will be removed and replaced with sod. The proposed landscape plantings are as follows: 2 "Red Sunset" Red Maple, 3 Sweetbay Magnolia, 5 Mary Nell Holly, and sod as directed by owner.

Lighting: The proposed lighting fixtures will be: 4 Lithonia RSX 4K LED with house side shields mounted on 20 foot dark bronze poles, 3 Lithonia WPX1 4K wall mounted LED fixtures in dark bronze, and 2 Lithonia Affinity AFF Emergency 4K LED emergency wall scone in dark bronze. The foot-candle average for the overall site is .96, while the parking lot is 2.01 foot-candles.

Recommendation: Approval with conditions.

Planning Comments:

1. Staff recommends additional lighting on the north and west elevations of the proposed building addition, near the rear of the property.

Planning Conditions:

1. The applicant shall add lighting between the existing and proposed building. This shall include on the lighting and photometrics plan.
2. The applicant shall include the east elevation of the proposed building on the Site Plan.
3. Applicant shall re-record the subdivision plat for the Highway 70 Elmore Road Center Subdivision combining Lots 1 & 2 into one lot.
4. The Fire Marshall states that if the applicant is planning to store vehicles behind a locked gate to use a Knox Box padlock on the gate that will be dually coordinated with fire and police for emergency access.
5. The applicant shall provide a light pole detail diagram for all four proposed light pole fixtures, which shall include base, pole, and fixture. The maximum height for the proposed light pole, base and fixtures shall not exceed 25 feet in height from the top of grade.

6. Signage will require a separate DRC application. Signage shown on the elevations is not part of this application.
7. Irrigation and maintenance is required for all planting on the landscape plan.
8. The owner/applicant shall identify all utilities on site by contacting Tennessee One Call at 811 before commencing any site work.
9. Owner/applicant shall be present at the meetings in order to make decisions relative to any changes that may be suggested by the Design Review Commission.

Engineering Conditions:

General

1. Contractor shall verify underground utility locations prior to the beginning of construction. If any conflict to proposed construction exists, Engineering should be contacted.

NEW BUSINESS

Site Plan

2. Club Car Wash, 8274 Highway 64 (Holly Bergman, Finkle + Williams)

INTRODUCTION: Ms. Holly Bergman with Finkle + Williams is requesting Design Review Commission approval of a revised Site Plan for the Club Car Wash. The subject property is located at 8274 Highway 64 within the "C-H" Highway Business Zoning District.

BACKGROUND: In 2003, the Design Review Commission approved a site plan for Abuelos Restaurant on the subject property. On December 4, 2023, the Planning Commission approved a site plan for the subject property. The specifics of the approved revised site plan were as follows:

Site Data	
Site Area:	2.553-acres/111,208.68-square feet
Total Required Parking Spaces: (2.55 spaces per 1,000-sq.ft. plus 3 spaces.)	16 (1 Handicap required)
Total Proposed Parking Spaces:	19 (1 Handicap required)
Handicap Accessible:	1 (1 ADA Van)
Regular Customer Parking	18
Proposed Total Building Area:	5,250-square feet
Greenspace/Open space:	66.64%
Building Height:	One-story – 28.5 feet

DISCUSSION: The specific request to the DRC by the applicant is for the approval of building elevations, landscaping, and lighting details as follows:

Elevations: The front of the building is the south elevation. The front elevation consists of white limestone smooth face CMU block and charcoal split face CMU block and a matte black standing seam metal mansard. A red metal awning will be above the two aluminum storefront windows. The door and window trim will be black aluminum with clear glass. The queue space to enter the car wash will be in front of the front elevation. The side elevations are the east and west elevations, and they will consist of white limestone smooth face CMU block and charcoal split face CMU block and a matte black standing seam metal mansard. The cars will enter the car wash from the east elevation, and the cars will exit the car wash from the west elevation. Also located on the side elevations, a raised architectural glass accent roof with matte black aluminum trim will be above the entry and exit black metal trimmed glass overhead roll up doors. The rear elevation is the north elevation, and it will consist of white limestone smooth face CMU block and charcoal split face CMU block and a matte black standing seam metal mansard. Eighteen vacuum and drying bays will be located north of the north elevation. The vacuum and drying bays will be covered by matte black aluminum canopy covers. All downspots and metal copings will be matte black.

Dumpster Enclosure: The dumpster enclosure is located to the rear of the building in the northwest corner of the property. The dumpster enclosure will consist of CMU material to match the building elevation with composite gate panels attached to a steel frame with steel drop pins.

Mechanical: All mechanical units will be located on the ground and screened from public view.

Landscaping: The majority of the landscaping is proposed around the perimeter of the property with some internal landscape islands. Although, some existing landscaping will be incorporated into this revised site plan. The proposed landscape plantings are as follows: 10-existing crepe myrtles along Highway 64 frontage, 2-Sugar Maple, 3-Willow Oak, 24-Virginia Sweetspire, 31-Morning Light Eulalia Grass, and 2-Wax Myrtle.

Lighting: The site will have two, 20-foot tall black light poles attached to a 2.5 foot base 4K LED McGraw Edison downward cutoff Area Luminaire pole light fixtures with houseside shields along the south and east property lines. The site will have four, 18-foot tall black light poles attached to a 2.5 foot base 4K LED McGraw Edison downward cutoff Area Luminaire pole light fixtures with houseside shields along the north and west property lines. The building will have seven 4K LED Lumark downward cutoff wallpack fixtures mounted near the rooftop along the north elevation. The other wallpack light fixtures will be mounted just above the entry and exit overhead roll up doors on the east and west elevations.

Recommendation: Approval with conditions.

Planning Conditions:

1. All proposed signage shall be submitted on a separate application to the Design Review Commission. However, the applicant may only utilize either signage combination: one ground sign and one wall sign, or two wall signs.
2. Applicant shall replace all proposed CMU block and replace with either all brick or a brick and stone combination.
3. Applicant shall identify all paint colors on exterior material legend.
4. Applicant shall provide dumpster enclosure building elevations. Staff recommends brick material to match the building elevation with composite fence panels attached to a steel frame with steel drop pins.
5. Applicant shall revise the site plan to show the mechanical equipment locations. All mechanical equipment shall be screened from public view.
6. Applicant shall add curbing and concrete wheel stops to the remaining parking spaces on the adjacent property along the east property line.
7. Applicant shall add Streetscape/Landscape Plate 23 A, B, or C template to the Site Plan along Highway 64. Staff is appreciative of applicant protecting the existing trees along the Highway 64 frontage, but staff recommends supplementing the existing trees with a row of evergreen shrubs 3 feet on center. Staff recommends Glossy Abelia and Manhattan Euonymous as the evergreen shrubs.
8. Applicant shall add a row of evergreen shrubs 3 feet on center in all landscape islands around the perimeter of the property. Staff recommends Glossy Abelia and Manhattan Euonymous as the evergreen shrubs.
9. Applicant shall add 2 or 3 small density trees to the north landscape island to ensure that all parking spaces are within a maximum distance of 75 feet from a tree.
10. Applicant shall add Tree Density Unit Table to the landscape plan.
11. Applicant shall replace the proposed Willow Oak and Sugar Maple plantings with either Chaste Tree, Trident Maple, Okame Cherry, or Little Gem Magnolia.
12. Applicant shall provide a photometric plan to show zero foot candles at the property lines and a foot candle average of 2.0 for the parking lot.
13. Applicant shall add rear shields for all pole light fixtures.
14. Irrigation and maintenance is required for all planting on the landscape plan for the life of the project.
15. The owner/applicant shall identify all utilities on site by contacting Tennessee One Call at 811 before commencing any site work.
16. It is recommended that the owner/applicant attend the meeting in order to make decisions relative to any changes that may be suggested by the DRC.

Engineering Conditions:**General:**

1. A Commercial Site Plan contract may be required and will be prepared by Engineering and submitted to the developer/engineer for review to cover the fees to be paid to the City of Bartlett.
2. Applicant/ Engineer shall provide a **digital set of drawing** files showing the sanitary sewer lines, drainage lines, lot lines and all improvements in AutoCAD format to dhubbard@cityofbartlett.org and ecampbell@cityofbartlett.org for use in the preparation of the Water Design Plan. This plan will be coordinated with the site design engineer to resolve any conflicts.
3. A SWPPP and a TDEC permit may be required and shall be submitted to TDEC and also to the City of Bartlett Engineering office.
4. All new utilities shall be underground.

Site Plan:

5. Demo plan and utility cut-odd shall be submitted with a permit from Code Enforcement prior to site construction.

Utility Plan:

6. If any sewer cleanout is located in a paved area, then it shall comply with the detail approved by Bartlett Codes which involves a brass connections and a concrete collar.

3. Dunkin Donuts, Appling Road & Highway 70 (David Ware, Ware & Associates)

INTRODUCTION: Mr. John Granberry with Granberry and Associates, LLC is requesting Planning Commission approval of a Site Plan for a new Dunkin' Donuts. The subject property is located north of the intersection of Highway 70 and Appling Road on Lot 3 of the Corner Shoppes of Highway 70 Subdivision. Access to the side will be from a curb cut on Highway 70 and shared ingress/egress with Dollar Tree. The property is located within the "C-H" Highway Business Zoning District.

BACKGROUND: On December 4, 2023, the Planning Commission approved the Site Plan for the subject property. The specifics of the approved revised site plan were as follows:

Site Data	
Site Area:	0.66 acres/28,540 square feet
Total Required Parking Spaces:	15
Total Proposed Parking Spaces:	14
Handicap Accessible:	1 van accessible
Regular:	13
Proposed Building Area:	1,100 square feet
Greenspace/Open space:	35.4%
Building Height:	<20.00 feet

DISCUSSION: The specific request to the DRC by the applicant is for the approval of building elevations, dumpster enclosure, mechanical location, landscape plan and lighting details as follows:

Elevations: The front of the restaurant is the south elevation and is where the main entrance to the building is located. The north elevation is the rear of the building, which faces residential use. The east and west elevations face commercial uses. All four elevations of the building will consist of General Shale Brick in "Clayton Falls" with Coosa "Premium Dark Grout" and the coping is painted Sherwin Williams "Iron Ore" (SW 7069). The entrance door and window trim will be silver aluminum with clear glass.

The front elevation features an attached 450 square foot covered patio. The proposed awning over the patio, will have a metal standing seam roof painted Sherwin Williams "Gauntlet Gray" (SW 7019) with a metal I-beam around the edge of the awning. The I-beam will be painted Orange PMS 3564C with rope lighting under the beam around all three sides. The awning will be supported by 8 red cedar timber columns with a brick base (General Shale "Clayton Falls" with Coosa "Premium Dark Grout") with 2 ¾-foot tall black metal railing enclosing the patio.

Just above the awning, the upper facade continues with brick (General Shale "Clayton Falls"). Trim painted Sherwin Williams "Iron Ore" (SW 7069) separates the façade from the parapet wall. The off-white hardy board parapet wraps around from the front façade to the front quarter of the east and west elevations. The parapet is topped with a cornice and coping painted Sherwin Williams "Nebulous White" (SW7063). A faux tower is located on the remaining 2/3rds of the front elevation. The tower material is also the off-white hardy board with a composite wood panel in "Honey Glaze" on the lower half. There will be metal accent bands on the wood panel painted Pink (PMS 7635C) and Sherwin Williams "Nebulous White" (SW 7063). The tower is framed with trim and coping painted Sherwin Williams "Iron Ore" (SW 7069).

The east elevation features an 11-foot tall wood composite panel in "Honey Glaze" on the back half of the wall. The drive thru window is on the west elevation with a metal awning painted Orange PMS 3564C just above the window. The rear elevation features a metal personnel door painted Sherwin Williams "Iron Ore" (SW7069). To the east of the door, there is a metal ladder to access the roof with a locking metal cage near the bottom. To the west of the personnel door is an 8-foot tall storage room with General Shale "Midnight Mist" Brick and Coosa "Premium Dark Grout" with coping painted Sherwin Williams "Iron Ore" (SW 7069). There are 4 "PMS 3564C" Orange painted bollards, two on the east elevation and two below the drive thru window on the west elevation.

Dumpster Enclosure: The proposed dumpster enclosure will be located to the rear of the restaurant on the west side of the property. The dumpster enclosure

will consist of a brick exterior in General Shale "Midnight Mist" Brick and Coosa "Premium Dark Grout" with a Sherwin Williams "Iron Ore (SW 7069) cap at the top of the enclosure. The 2 metal drop pin gates will be painted Sherwin Williams "Iron Ore (SW 7069) to match the building. Two bollards on either side of the gates will be painted "PMS 3564C" Orange.

Mechanical: The HVAC unit will be located on the roof screened by the parapet wall.

Landscaping: The proposed landscaping will around the perimeter of the parking lot and at the front and rear of the building. The streetscape will be Landscape Plate 23 A. The proposed plantings are as follows: 4 - "Autumn Glory" Maples, 26 - "Mary Nell" Holly, 6 - "Catawba" Crape Myrtle, 7 - "Cherrybark" Oak, 14 - "Green Giant" Arborvitae, 3 - "Bosque Lacebark" Elm, 42 - "Autumn Moonlight" Azaleas, 10 - "Cinnamon Girl" Distylium, 31 - "Seika" Nandina, 8,012 square feet of "Tif" Bermuda Sod, 10-"Blue Pacific" Juniper, 56-"Parsonii" Juniper, 163 Varigated Lily Turf, and annual color.

Lighting: The site will have four 25-foot tall 4K WLS NV Series lights with house side shields in the parking lots. The site will have 13 Dark Bronze Hi-Lite HDMR 4.1K LED sign lights mounted to the east and west elevation walls. The site will have rope lighting just below the orange I-beam. The proposed photometric plan does indicate lighting spillover along the east and west property lines where the adjacent use is commercial. The foot-candle average for the parking lot is 2.10 fc.

Recommendation: Approval with conditions.

Planning Conditions:

1. The applicant shall provide a corrected set of plans to staff reflecting changes as discussed staff including the conditions in this staff report. Also, include any changes by the Commission prior to submitting the construction plans to Code Enforcement.
2. The applicant shall ensure the LED rope lighting beneath the I-beam is recessed (not exposed).
3. The applicant shall provide cut sheets and photometrics for all lighting fixtures discussed.
4. The applicant shall provide a light pole detail diagram for all four proposed light pole fixtures, which shall include base, pole, and fixture. The maximum height for the proposed light pole, base and fixtures shall not exceed 25 feet in height from the top of grade.
5. All proposed signage shall be submitted on a separate application to the Design Review Commission.
6. The owner/applicant shall identify all utilities on site by contacting Tennessee One Call at 811 before commencing any site work.

7. The owner/applicant shall be responsible for the maintenance of the fence and landscaping in perpetuity. Should existing landscaping suffer loss, the property owner shall replace with same or similar plantings.
8. Owner/applicant shall be present at the meetings in order to make decisions relative to any changes that may be suggested by the Design Review Commission.

Engineering Conditions:

General:

1. A Commercial Site Plan contract may be required and will be prepared by Engineering and submitted to the developer/engineer for review to cover the fees to be paid to the City of Bartlett.
2. Applicant/ Engineer shall provide a **digital set of drawing** files showing the sanitary sewer lines, drainage lines, lot lines and all improvements in AutoCAD format to dhubbard@cityofbartlett.org and ecampbell@cityofbartlett.org for use in the preparation of the Water Design Plan. This plan will be coordinated with the site design engineer to resolve any conflicts.
3. A SWPPP and a TDEC permit may be required and shall be submitted to TDEC and also to the City of Bartlett Engineering office.
4. All new utilities shall be underground.
5. Fire protection must be approved by the City of Bartlett Fire Marshall.
6. Correct all markups.

Plan:

7. This site is Lot 3 of the recorded subdivision for Corner Shops of Highway 70 and has a platted ingress/egress easement with driveway location shown. This plan shows the driveway connection in an alternate location, this will require TDOT approval.
8. If alternate driveway location is acceptable, the ingress/egress easement will need to be abandoned and rerecorded in the new location. This will require a new easement document, which all property owners will need to sign.
9. The driveway on HWY 70 will require a TDOT permit, a construction detail shall be added to the plans.

Utility Plan:

10. If any sewer cleanout is located in a paved area, then it shall comply with the detail approved by Bartlett Codes which involves a brass connections and a concrete collar.
11. This project is located in the Fletcher Creek Sewer Basin but has an approved recorded sewer tap.
12. An additional water tap will need to be installed off the main in Highway 70, commercial irrigation required a dedicated tap and meter.
13. Water meters shall be located to just outside of the ROW.
14. Utility work in HWY70 will require a TDOT permit.

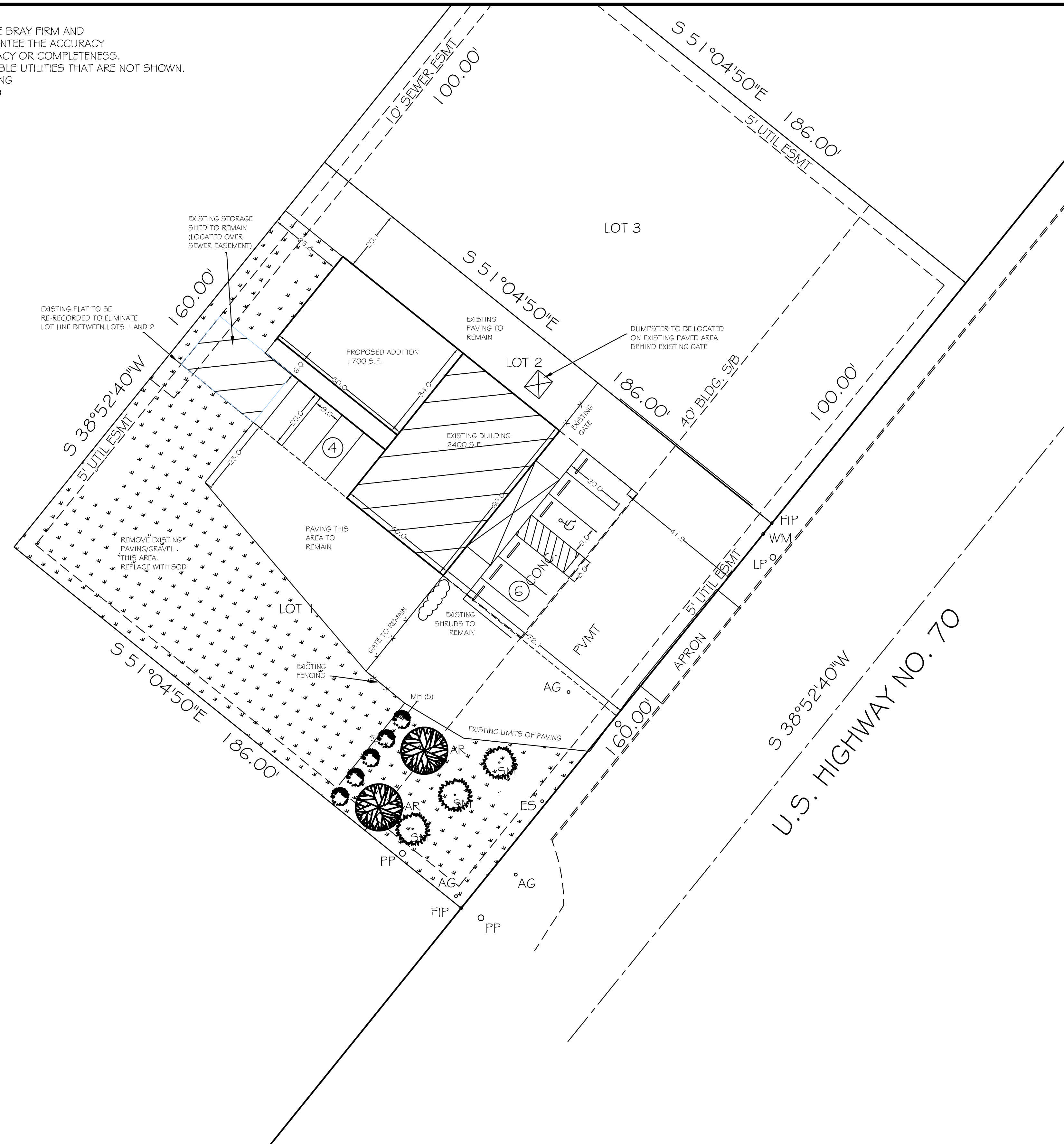
Erosion Control Plan:

15. During construction, extra care will be needed to ensure that silt is not tracked out onto US HWY 70.

1. DEEDS WERE PROVIDED TO THE BRAY FIRM AND THE BRAY FIRM DOES NOT GUARANTEE THE ACCURACY OF AND THE SAME AS TO ACCURACY OR COMPLETENESS.
2. THERE VISIBLE AND NON-VISIBLE UTILITIES THAT ARE NOT SHOWN.
3. BUILDING SETBACKS - CH ZONING
FRONT - 40' (PER RECORDED PLAT)
REAR - 20'

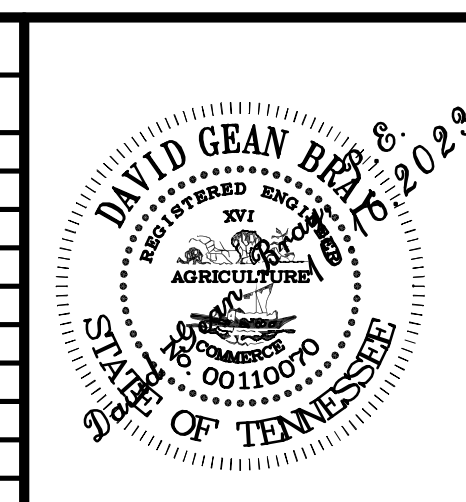
ESMT = EASEMENT
UTIL = UTILITY
LP = LIGHT POLE
SB = SIGNAL BOX
AG = ANCHOR GUY
PP = POWER POLE
WM = WATER METER
SCO = SEWER CLEAN OUT
FIP = FOUND IRON PIN
ES = ELECTRIC STUD
BLDG = BUILDING
S/B = SETBACK
PCD = PEDESTAL

PROPOSED USE:	RETAIL
SITE AREA:	29760 S.F.
BUILDING SIZE:	4700 S.F. (TOTAL) (2400 RETAIL)
FAR:	0.14
REQUIRED GREENSPACE:	35%
PROVIDED GREENSPACE:	37%
PARKING REQUIRED:	10 SPACES
PARKING PROVIDED:	10 SPACES (1 ADA)

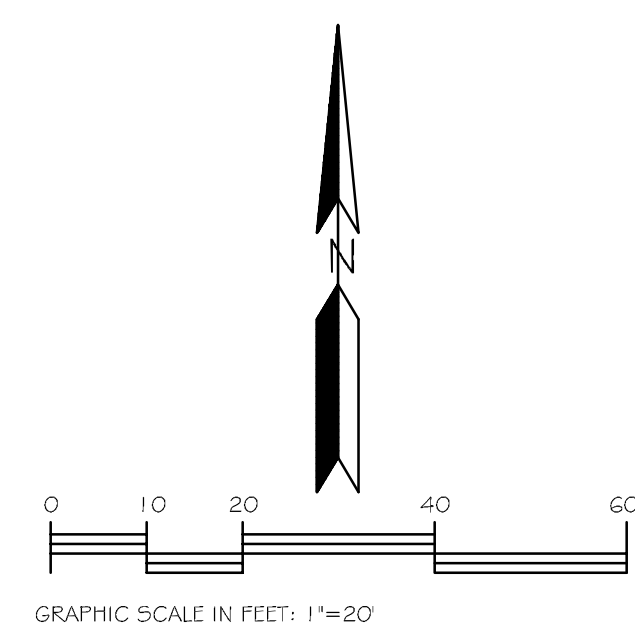


SYM	QTY	Common Name	Botanical Name	Size	Spacing	Remarks
		Trees				
AR	2	Red Maple	Acer rubrum 'Red Sunset'	3-3.5" Cal.	25' o.c.	Central leader
SM	3	Sweetbay Magnolia	Magnolia Virginiana	2.5-3" Cal.	as shown	Multi Trunk
		Shrubs				
MH1	5	Mary Nell Holly	Ilex x 'Mary Nell'	6-8" H	8' o.c.	Full to ground

THIS PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD
HAZARD AREA PER FEMA FLOOD MAP # 47157C0303 G
DATED: FEBRUARY 6, 2013.

[illegible]

LOTS 1 & 2 (to be combined); Hwy 70 Elmore Road
Center, Section A (P.B. 168, Pg. 47)
DEVELOPER: SIGNPROS MEMPHIS, INC.
ENGINEER: THE BRAY FIRM



DIVISION OF ENGINEERING

SITE/LANDSCAPE PLAN

BARTLETT, TENNESSEE

SURVEY: TBF DATE: 10-2023 BOOK: _____
DESIGN: TBF DATE: 10-2023 SCALE 1"=20'
REVIEWED BY _____

CITY ENGINEER DATE SHEET 1 of 1

Pavement recommendations:
No Geotechnical report was provided for this site.

The recommendations for pavement sections are as follows:

The recommendations for pavement sections are as follows:

FLEXIBLE PAVEMENT

HEAVY DUTY PAVEMENT:

- 1.0 inches wearing course Hot Mix Asphaltic Concrete
- 2.0 inches binder course Hot Mix Asphaltic Concrete
- 8.0 inches Soil Cement Base or
- 10.0 inches Crushed Stone Base

LIGHT DUTY PAVEMENT (office parking area)

8.0 inches Crushed Stone Base
RIGID PAVEMENT
HEAVY DUTY:
6.0 inches Portland Cement Concrete
6.0 inches Granular Sub Base

LIGHT DUTY
5.0 inches Portland Cement Concrete
6.0 inches Granular Sub Base (optional)

DESIGN GROUP, LLC.

1255 Lynnfield Road, Suite 226
Memphis, Tennessee 38139
Telephone: 901-633-8765
E-Mail: rkumar@designgroupmemphis.com

OWNER NAME AND ADDRESS

ADDITION
6352 SUMMER AVENUE,
BARTLETT, TN

DRC REVIEW

NO. DATE ISSUE / REVISION

ALL 10/18/2023 DRC REVIEW

DRAWING NAME
EXTERIOR
ELEVATIONS
COLOR

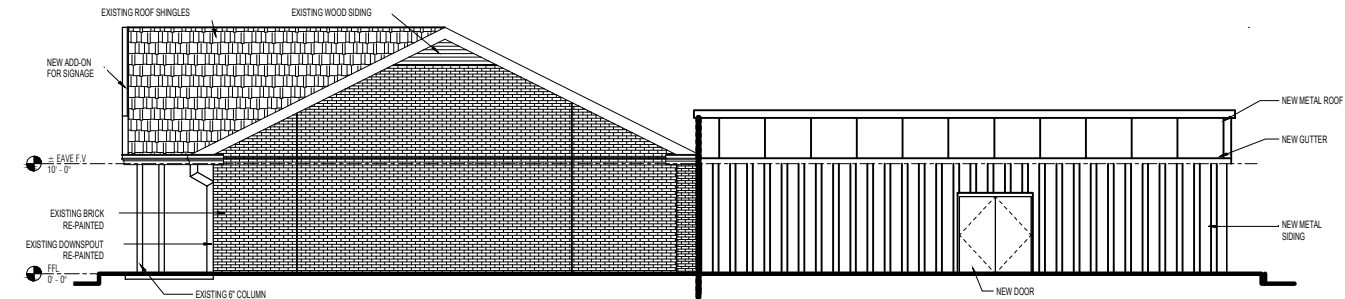
DRAWN BY: NEETI
CHECKED BY: Checker
APPROVED BY: Approver
DRAWING NUMBER:

A301

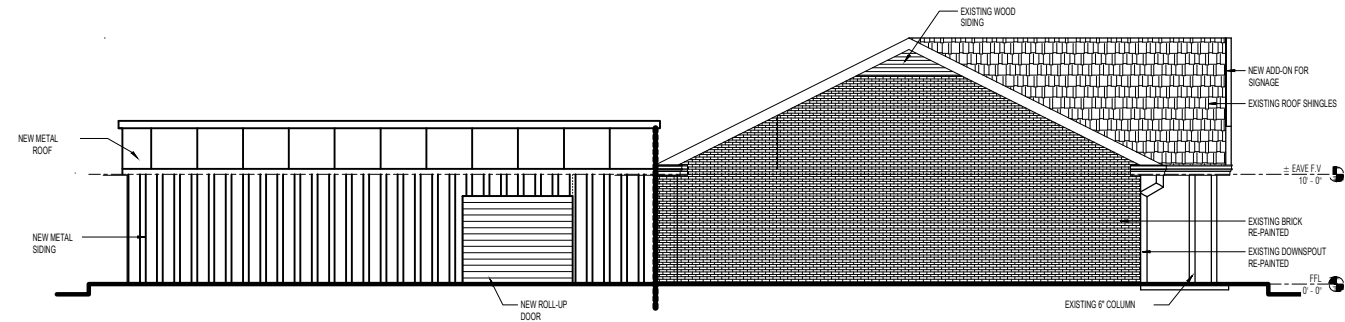
MATERIAL LEGEND

	BRICK (PAINT) GANYMEDE 8006-12C
	ASPHALT SHINGLES
	DOWNSPOUT / GUTTER GROUND TRUTH 8006-11E
	WOOD TRIM GROUND TRUTH 8006-11E
	METAL SIDING, DOOR GANYMEDE 8006-12C

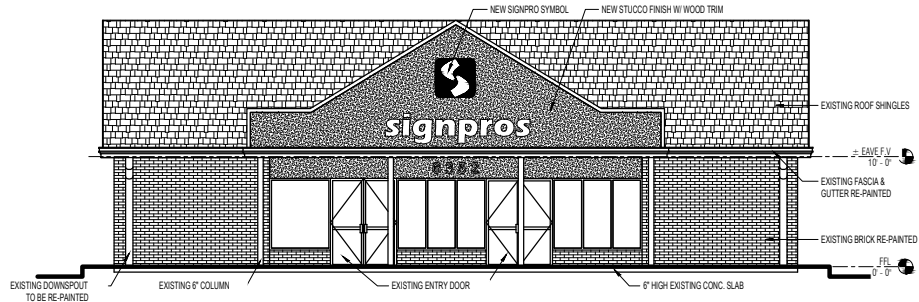
ALL COLORS ARE BY
VALSPAR



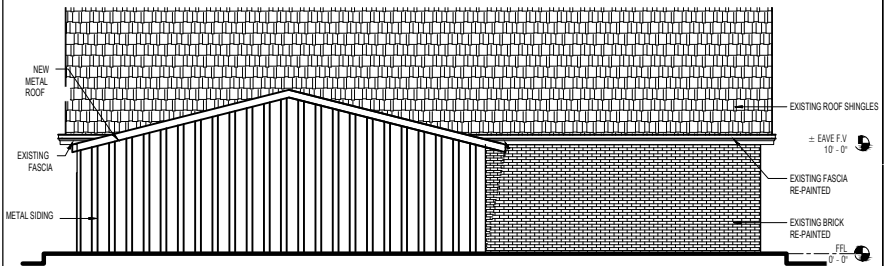
1C NORTH ELEVATION
3/16" = 1'-0"



1B SOUTH ELEVATION
3/16" = 1'-0"



1A EAST ELEVATION
3/16" = 1'-0"



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

DESIGN GROUP, LLC.

1255 Lynnfield Road, Suite 226
Memphis, Tennessee 38139
Telephone: 901-633-8765
E-Mail: rkumar@designgroupmemphis.com

OWNER NAME AND ADDRESS

ADDITION
6352 SUMMER AVENUE,
BARTLETT, TN

DRC REVIEW

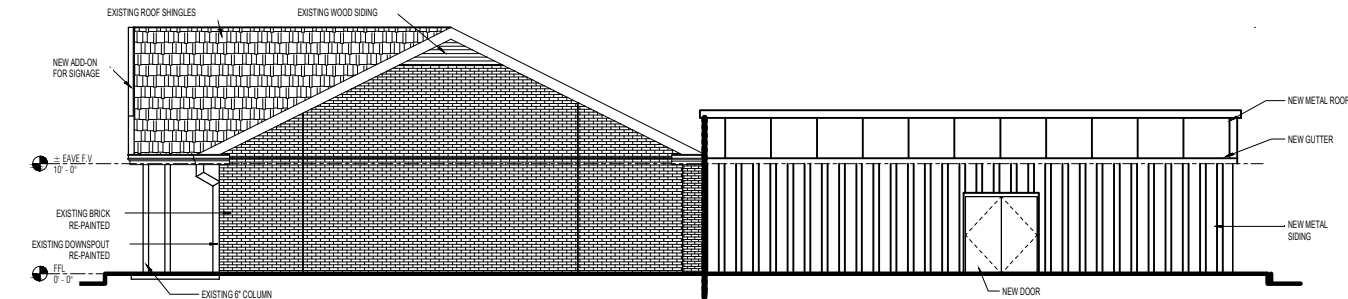
NO. DATE ISSUE / REVISION

ALL 10/18/2023 DRC REVIEW

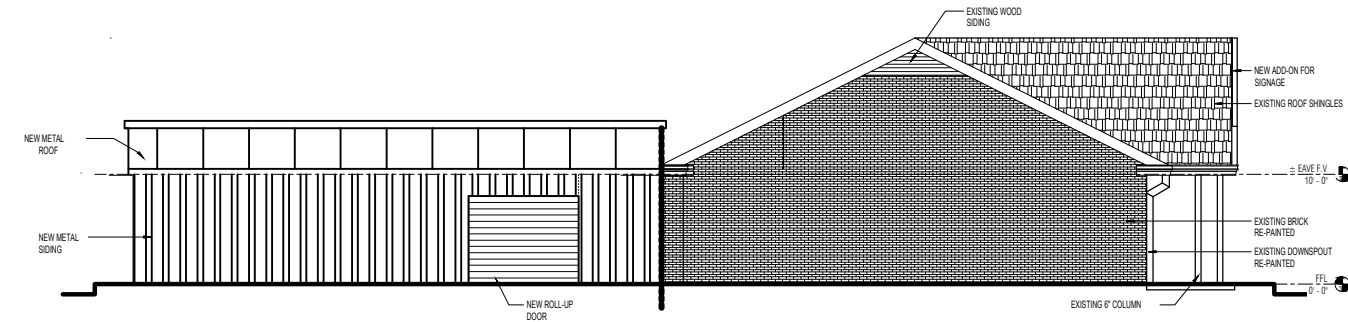
DRAWING NAME
EXTERIOR ELEVATIONS

DRAWN BY: MEET
CHECKED BY: Checker
APPROVED BY: Approver
DRAWING NUMBER:

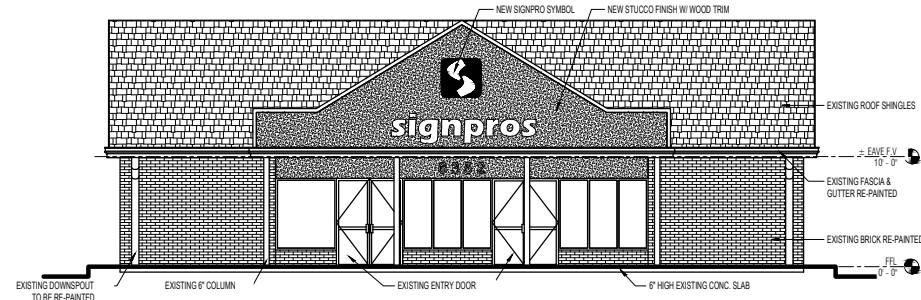
A300



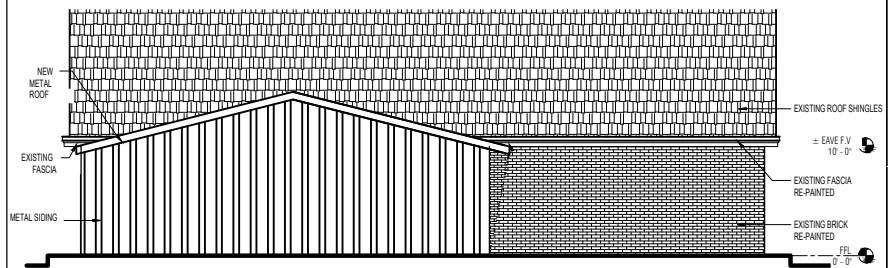
1C NORTH ELEVATION
3/16" = 1'-0"



1B SOUTH ELEVATION
3/16" = 1'-0"



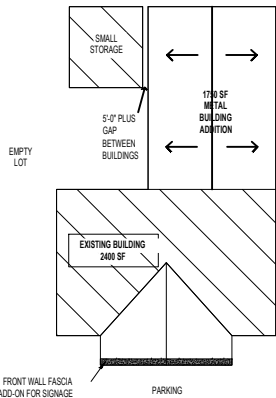
1A EAST ELEVATION
3/16" = 1'-0"



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

NOTE:

1. ADDITION IS METAL BUILDING WITH METAL SIDING AND METAL ROOF
2. SIGN APPLICATION WILL BE SUBMITTED SEPARATELY.

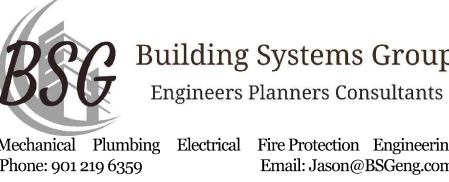
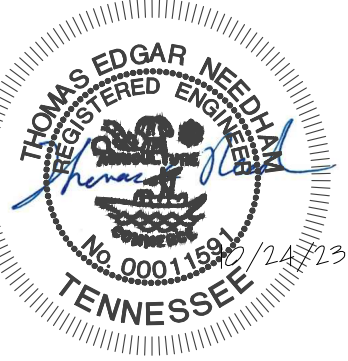


5B KEY PLAN
1/16" = 1'-0"

OWNER NAME AND ADDRESS

ADDITION
6352 SUMMER AVE
BARTLETT, TN

SEAL



DRC REVIEW

CONSULTANTS NAME:

NO. DATE ISSUE \ REVISION

DRAWING NAME
SITE PLAN-
PHOTOMETRIC

DRAWING NUMBER:

E101

GENERAL PHOTOMETRIC
SCHEDULE

AVERAGE FOOT-CANDLES	0.92
MAXIMUM FOOT-CANDLES	4.9
MINIMUM FOOT-CANDLES	0.0
MINIMUM TO MAXIMUM FC RATIO	0.00
MAXIMUM TO MINIMUM FC RATIO	4.90 / 0.00
AVERAGE TO MINIMUM FC RATIO	0.92 / 0.00

GENERAL PHOTOMETRIC
SCHEDULE

AVERAGE FOOT-CANDLES	2.01
MAXIMUM FOOT-CANDLES	4.1
MINIMUM FOOT-CANDLES	0.5
MINIMUM TO MAXIMUM FC RATIO	0.13
MAXIMUM TO MINIMUM FC RATIO	7.67
AVERAGE TO MINIMUM FC RATIO	3.80

1 SITE PLAN - PHOTOMETRIC
1/16"=1'-0"

2 PARKING LOT - PHOTOMETRIC
1/16"=1'-0"

Bartlett Planning and
Economic Development Department
6400 Stage Road, P.O. Box 341148
Bartlett, TN 38184-1148
901-385-6417 FAX 901-385-6419
www.cityofbartlett.org

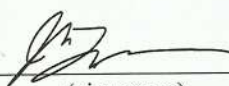
Application for Site Plan Approval to the Bartlett Design Review Commission

Project Name Club Car Wash - 8274 Highway 64
Project Address 8274 Highway 64

Owner/Developer Contact Justin Barnes
Company Name Club Car Wash
Address 1591 E. Prathersville Road, Columbia, MO 65202
Phone: 573-999-5178 Fax: _____ E-mail: jbarnes@clubcarwash.com

Architect Contact Holly Bergman
Company Name Finkle + Williams
Address 8787 Renner Blvd Ste. 100, Lenexa, KS 66219
Phone: 913-498-1550 ext 114 Fax: _____ E-mail: hbergman@finklewilliams.com

Engineer Contact Don Collins
Company Name TTL, Inc.
Address 624 Grassmere Park, Ste. 14, Nashville, TN 37211
Phone: 615-934-5721 Fax: _____ E-mail: dcollins@ttlusa.com

Submitted by Bruce Lynn  11/20/2023
(printed name) (signature) (date)

JL Attach a checked-off "**Site Plan Checklist**" and **fifteen (15)** sets of your application.

JL Acknowledge (by initials in the blank to the left) that the "**Application Instructions: Design Review Commission**" were obtained and read prior to submitting this application.

JL Provide an electronic PDF file of the plans. Note that an updated electronic file is required when plans are revised. The electronic file shall be labeled with the project name and accurately dated.

JL Include a fee of \$ 400.00 with this application (check payable to the City of Bartlett).

INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED

RECEIVED

NOV 20 2023

CITY OF BARTLETT

Site Plan Checklist

Bartlett Design Review Commission

The design of new buildings shall be compatible with the general character of the existing surroundings. Site plan applications will be reviewed for compatibility of landscaping, exterior materials, exterior colors, architectural style, scale, proportion, mass, and details. Diversity is acceptable to the extent that compatibility can be demonstrated. The applicant must explain the design to the Commission to demonstrate compatibility. A rendering and full, clear color exterior samples are required.

1. Basic Submittals

- ☒ a. * Site plan.
- ☒ b. * Building elevations (all four) and a color rendering of the building.
- ☒ c. Floor area (square feet) in buildings.
- ☒ d. One PDF file of items indicated herein by an asterisk (*), for display at the Design Review Commission meeting.

2. Landscaping

- ☒ a. * Landscaping plan.
- ☒ b. Identification of all existing trees, denoting those to remain and those to be removed; with grading shown to save trees where possible.
- ☒ c. Proposed new trees, shrubs, and ground covers, shown graphically with plant common names and size.
- ☒ d. Adequate landscape screening along property lines where required.
- ☒ e. Grass strip between sidewalk and street curb.
- ☒ f. Street trees on all commercial and residential site plans reviewed by the Commission, in accordance with the Bartlett Tree and Landscape Ordinance.
- ☒ g. Parking lot planters.

3. Exterior Lighting

Provide details on the following:

- ☐ a. Location
- ☐ b. Height
- ☐ c. Style of Fixtures
- ☐ d. * Photometric Plan with design and arrangement to prevent intrusion on adjoining property and streets.
- ☐ e. Bulb Temperature not to exceed 4K

4. Trash Collection Areas

- ☒ a. Type and location indicated on plan.
- ☒ b. Trash receptacles in accordance with Bartlett Codified Ordinance 17-103. (Ask for dumpster enclosure drawings.)

5. Gas And Electric Meters And Transformer Locations

- ☐ a. Locations shown in rear of commercial project in accessible area.
- ☐ b. Screening of all meters.
- ☐ c. Water meter location.

6. Mechanical Units, Vents (Plumbing Heating, etc.).

- ☐ a. Location
- ☐ b. Screening required

7. Exterior Material

- | | Roofing | Exterior |
|---|---------------------------------------|--|
| ☒ a. Material | STANDING SEAM HIGH /
TPO LOW SLOPE | SMOOTH & SPLIT FACE
ARCHITECTURAL CMU BLOCK |
| ☒ b. Colors | BLACK STANDING SEAM /
WHITE TPO | SMOOTH WHITE /
DARK GRAY SPLIT FACE |
| ☐ c. Large samples of colors and materials must be presented at the meeting. | | |

8. Plans shall be sealed, signed and dated by an architect or engineer that is registered in the State of Tennessee.

9. Owner must arrange for debris and mud to be kept from the streets during construction or the City will remove it and charge the owner.

EXTERIOR COLOR PALETTE

ARCHITECTURAL 8" CMU SMOOTH FACE BLOCK
COLOR: WHITE LIMESTONE

STOREFRONT
COLOR: BLACK ANODIZED

METAL AWNINGS
COLOR: RED

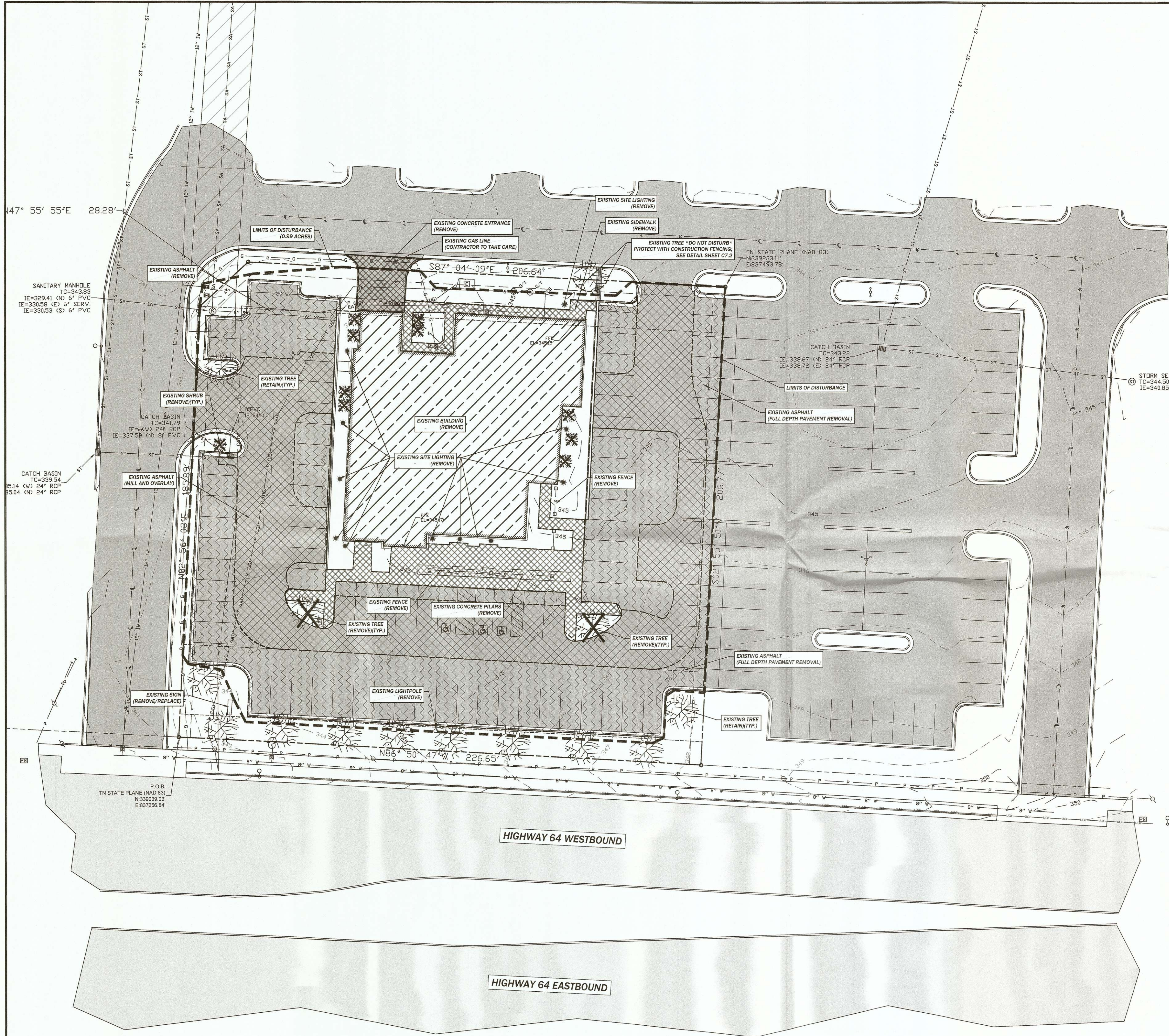
ARCHITECTURAL 8" CMU SPLIT FACE BLOCK
COLOR: CHARCOAL

SCUPPERS, DOWNSPOUTS, AND METAL COPINGS
COLOR: MATTE BLACK

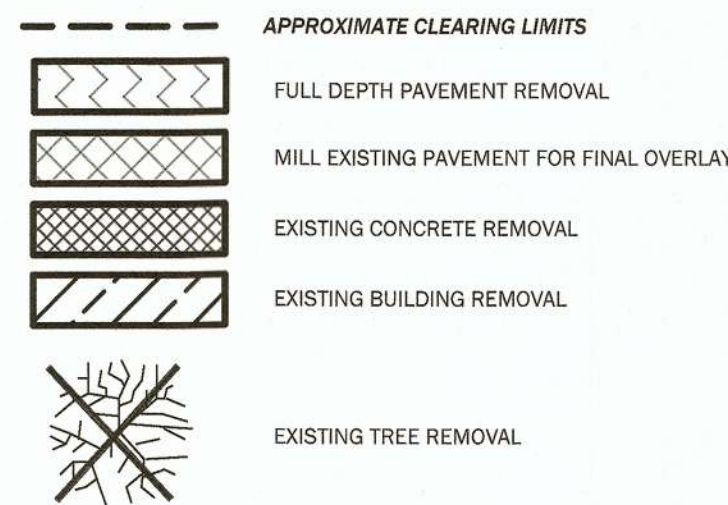


CONCEPTUAL RENDERING





DEMOLITION LEGEND



DEMOLITION NOTES:

1. THE CONTRACTOR SHALL NOTE THAT THIS SHEET IS INTENDED TO PROVIDE AN OVERALL VIEW OF PROJECT DEMOLITION. IT DOES NOT NOTE OR CONSTITUTE ALL ITEMS TO BE DEMOLISHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PLANS AND PROJECT SITE, AND HIGHLIGHT ANY ITEMS HE IS UNSURE OF DURING THE BID PROCESS AND REQUEST CLARIFICATION. NO CLAIMS SHALL BE CONSIDERED AFTER THE PROJECT BIDS RELATED TO THE DEMOLITION AREA. DURING CONSTRUCTION, ANY EXISTING LANDSCAPING, FENCING, ETC. TO BE RETAINED SHALL BE PROTECTED AND IF DAMAGED OR REMOVED SHALL BE REPLACED WITH LIKE MATERIALS AS APPROVED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
2. ALL DEMOLITION, CLEARING, AND GRUBBING SHALL BE REMOVED FROM THE PROJECT SITE. NO BURNING OF PERISHABLE MATERIAL WILL BE PERMITTED.

TREE PROTECTION PLAN:

1. TREES TO BE REMOVED HAVE BEEN MARKED ON THE PLAN WITH AN X THROUGH THEM. TREE REMOVAL WILL HAPPEN IN TANDEM WITH THE DEMOLITION PLAN FOR THE BUILDING AND PARTS OF THE PAVEMENT. CONTRACTOR TO NOTIFY ENGINEER IF ANY TREE NOT MARKED OR NOTIFIED ON THE PLAN IS TO BE SAVED OR REMOVED.
2. ALL TREES TO BE SAVED HAVE **NOT** BEEN MARKED. CONTRACTOR TO CONFIRM IN THE FIELD THE ABILITY TO SAVE THE TREES UNMARKED.
4. ALL EXISTING SHRUBS, BUSHES AND TREES AROUND BUILDING USED FOR LANDSCAPING SMALLER THAN 6" IN DIAMETER WILL BE REMOVED.

SURVEYOR

TROY WALLS, R.L.S.
TTL, INC.
624 GRASSMERE PARK, STE. 14
NASHVILLE, TN 37211

ARBORIST

Wes Hopper
ISA Certified Arborist #so1454
2588 Kilgore Cove
Memphis, TN 38133



624 Grassmere Drive, Suite #14 | Nashville, TN 37211
615.331.7770 | www.ttlusa.com

CCW - 8274 HIGHWAY 64

CLUB CAR WASH
8274 HIGHWAY 64
BARTLETT, SHELBY COUNTY, TN



SITE SURVEY & DEMOLITION
PLAN

No.	Date	Revision Description

Drawn By: BEL	Checked By: DC
Date: 11/03/2023	Proj. No.: 230800449.16
File Name: 23-08-449.16-Sheet C2 01-Survey-Demo.dwg	

Sheet No.

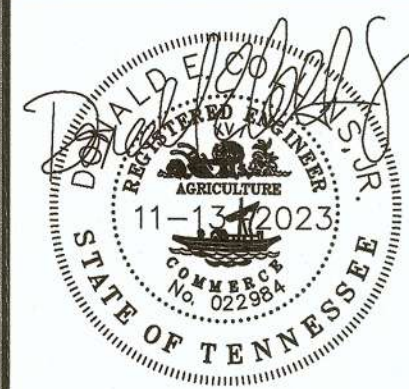
C2.1



CCW - 8274 HIGHWAY 64

CLUB CAR WASH

8274 HIGHWAY 64
BARTLETT, SHELBY COUNTY, TN



Sheet Title
SITE LAYOUT PLAN

Sheet No.
C3.

Drawn By: BEL	Checked By: DC
Date: 11/03/2023	Proj. No.: 230800449.16
File Name: 23-08-449.16.Sheet C3 01 Layout.dwg	



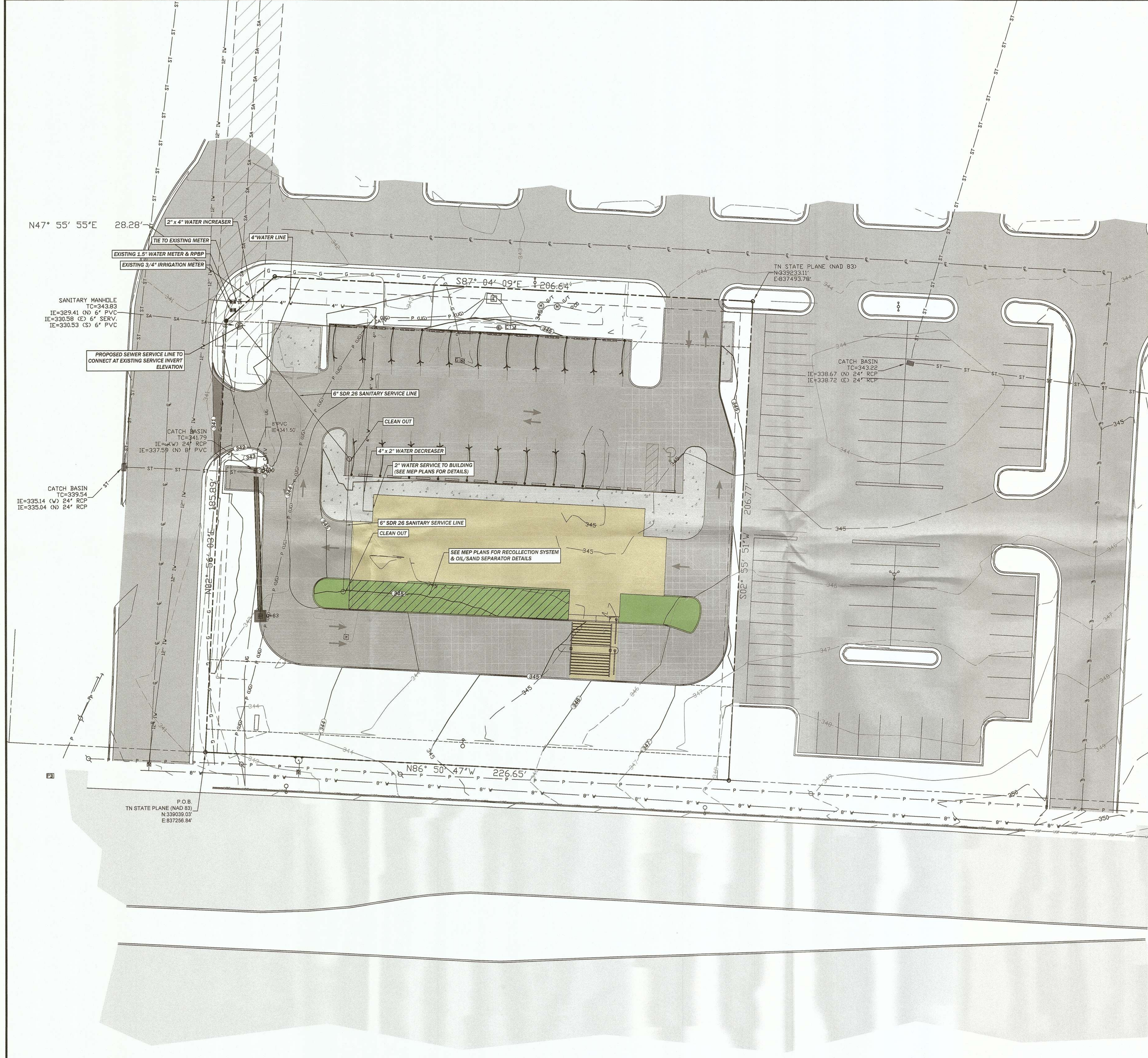
- | | |
|---|---|
|  | EXISTING ASPHALT PAVEMENT (MILL AND OVERLAY,
(SEE DETAILS) |
|  | REQ'D ASPHALT PAVEMENT (LIGHT DUTY)
(SEE DETAILS) |
|  | REQ'D CONCRETE SIDEWALK
(SEE DETAILS) |
|  | RENDER BUILDING |

NUMBER OF VACUUM SPOTS: 18
NUMBER OF AUXILIARY PARKING SPOTS: 4
AVAILABLE LENGTH FOR QUEUE: 155 L.F.
LOT ACRES: 1.07 ACRES

PAVING, SIGNING AND STRIPING NOTES

1. THE CONTRACTOR SHALL CALL TENNESSEE ONECALL (811) A MINIMUM OF 72 HOURS PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL SAW-CUT ALL EXISTING PAVEMENTS TO BE REMOVED WITH A STRAIGHT, CLEAN REMOVAL JOINT TO ENSURE PROPOSED PAVEMENT JOINTS TO EXISTING CLEANLY.
3. ALL PERMANENT STRIPING SHALL BE MINIMUM 4" WIDTH, WHITE, AND SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND TENNESSEE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
4. ALL STRIPING IN TDOT RIGHT OF WAY SHALL BE THERMOPLASTIC.
5. ALL PERMANENT SIGNS AND POSTS SHALL BE OF COLOR AND TYPE SHOWN AND SHALL CONFORM TO THE CITY OF BARTLETT REQUIREMENTS.
6. REQUIRED BIKE RACK AND DECORATIVE TRASH RECEPTICAL SHALL BE POWDER COATED BLACK PER CITY OF BARTLETT REQUIREMENTS.
7. TO ACHIEVE A HIGH LEVEL OF FINISH TO THEIR SIDEWALK AND CURB AND GUTTER, THE CONTRACTOR SHALL MAKE SURE HIS MIX IS OPTIMUM AND NOT TOO DRY/WET WHICH MAY LEAD TO PITTING, CRACKING, AND TEXTURE TYPE PROBLEMS WHEN FINISHING THE CONCRETE. POORLY FINISHED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
8. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
9. THE CONCRETE SIDEWALK SCORING PATTERN SHOWN SHALL BE REFERENCED WHEN POURING THE SIDEWALKS. CONTRACTOR SHALL FOLLOW CURRENT AG GUIDELINES FOR THE PLACEMENT AND SPACING OF ALL EXPANSION AND CONTROL JOINTS. THE CONTRACTOR SHALL ACHIEVE A HIGH LEVEL OF FINISH TO SIDEWALKS.
10. THE CONTRACTOR SHALL NOTE THE PAVEMENT TYPICAL SECTION FOR THE PROJECT.
11. CONCRETE CONTROL JOINTS SHALL BE MEASURED FOR DEPTH. THEY MUST BE INSTALLED PROPERLY FOR CONTROL CRACKING IN THE CONCRETE PAVEMENT. IMPROPERLY INSTALLED CONCRETE SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.
12. THE FINAL PAVEMENT FINISH IS VERY IMPORTANT FOR THE PROJECT AND THE OWNER. THE CONTRACTOR SHALL MAKE ALL PAVEMENT ARE FINISHED OUT SMOOTHLY AND CLEANLY. IRREGULARITIES, "BIRD BATHS", RANDOM CRACKING, ETC. SHALL BE REMOVED/REPLACED AT THE CONTRACTOR'S EXPENSE.

		Site Data Table			
Project Name:	8274 Highway 64				
Project Number:	000230800449.16				
Tax Map and Parcel:	80158 00684				
Address:	8274 Highway 64				
Existing Zoning:	C-H				
Site Acreage:	1.07	Acres			
Site Square Footage:	46,565	SQ. FT.			
Minimum Setbacks					
Front Yard:	40 feet				
Side Yard:	N/A				
Rear Yard:	20 feet				
Owner:					
		Club Car Wash			
Address:	1591 E. Prathersville Road, Columbia, MO				
Phone Number:	573-999-5178				
Email Address:	jbarnes@clubcarwash.com				
Contact Name:	Justin Barnes				
Applicant/Owner Representative:					
TTL Inc.					
Address:	624 Grassmere Drive, Nashville, TN				
Phone Number:	615.934.5721				
Email Address:	dcollins@ttlusa.com				
Contact Name:	Donald Collins				
Proposed Building Information:					
Building Square Footage:					
Existing:	8,037	sq. ft.			
Proposed:	5,029	sq. ft.			
Total Increase:	-3,008	sq. ft.			
Type of Activity Proposed:	Car Wash				
Proposed Building Height:	28' - 10 ¹ / ₂ "				
Floor Area of Building:	5,028 sq. ft.				
Proposed Lot Coverage by All Buildings:	12%				
Lot Width:	226.64'				
Site Information:					
Total Acreage:	1.07	acres	46,565	sq. ft.	
Ex. Building Impervious:	0.18	acres	8,037	sq. ft.	
Ex. Site Impervious:	0.69	acres	29,987	sq. ft.	
Total Existing Impervious:	0.87	acres	38,024	sq. ft.	
Proposed Impervious:	0.65	acres	28,322	sq. ft.	
Net Impervious:	-0.22	acres	9,702	sq. ft.	
Disturbed Area:	0.99	acres	43,197	sq. ft.	
Existing Greenspace:	0.20	acres	8,541	sq. ft.	
Proposed Greenspace:	0.42	acres	18,243	sq. ft.	
Greenspace Percentage:	39.25%				
Parking Information:					
Total Existing Parking:	86 spaces (including 3 handicap spaces)				
Total Proposed Parking:	4 spaces (including 1 handicap spaces)				
Total Net Parking:	-80 spaces				
Total Vacant Parking:	18 spaces				

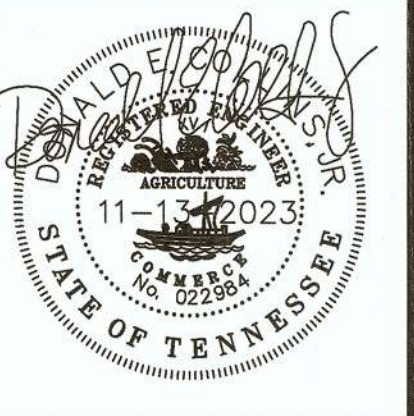


WATER LEGEND

- REQ'D WATER MAIN
- REQ'D FIRE LINE
- REQ'D WATER VALVE
- REQ'D FIRE HYDRANT
- REQ'D WATER METER
- REQ'D DETECTOR CHECK & VAULT
- REQ'D IRRIGATION METER
- REQ'D POST MOUNTED SIAMESE CONNECTION

CCW - 8274 HIGHWAY 64

CLUB CAR WASH
8274 HIGHWAY 64
BARTLETT, SHELBY COUNTY, TN



SITE UTILITY PLAN

No.	Date	Revision Description

Drawn By: BEL
Date: 11/03/2023
File Name: 23-08-449.16.Sheet C7 01 Water.dwg

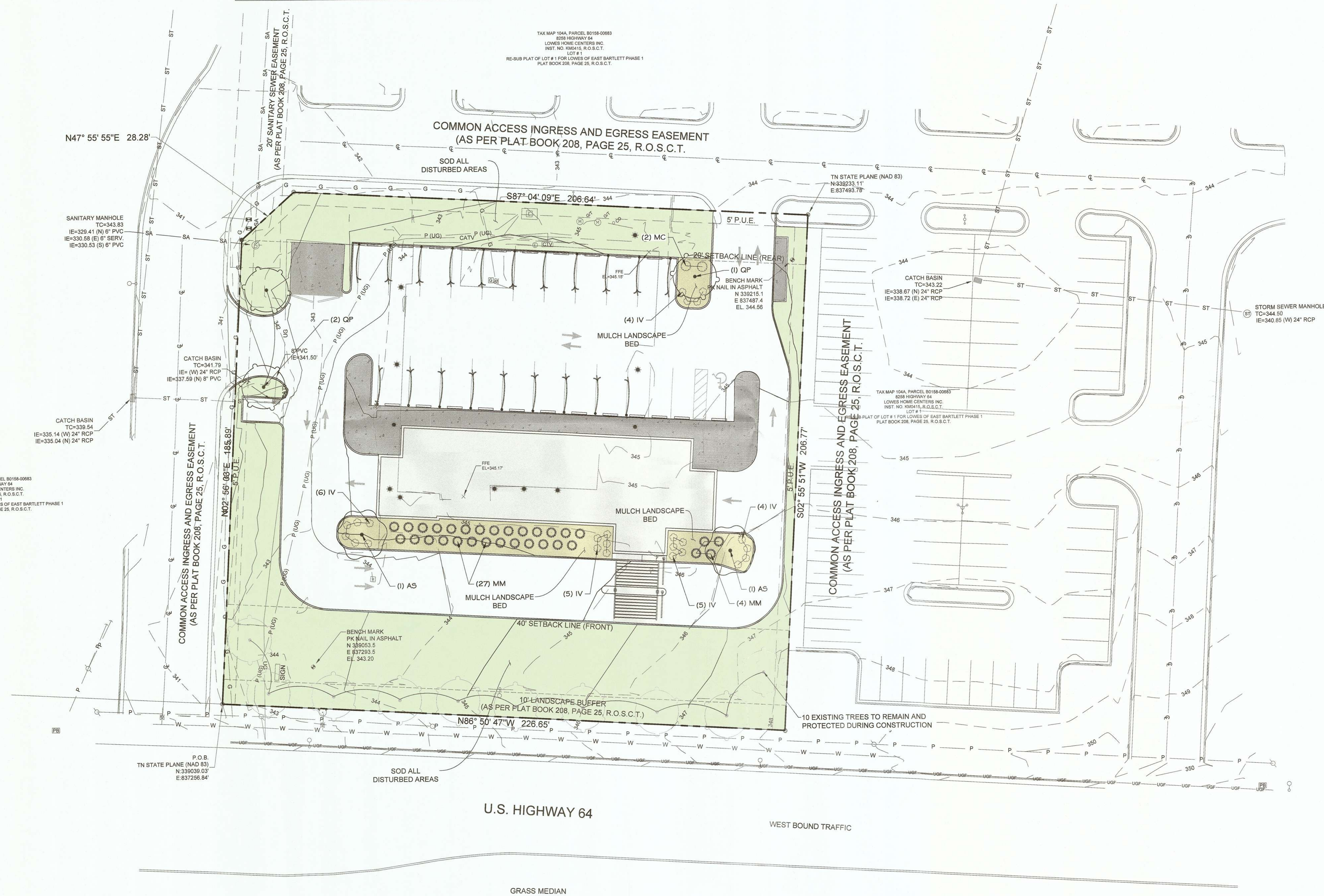
Checked By: DC
Proj. No.: 230800449.16

LANDSCAPE NOTES:

1. PLANTS SHALL MEET THE STANDARDS FOR SIZE, FORM AND QUALITY SET OUT IN THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1, LATEST EDITION)
2. ALL LANDSCAPE BEDS TO HAVE 3" HARDWOOD MULCH
3. ALL DISTURBED AREAS NOT DESIGNATED AS PLANTING BED OR SOD TO BE SEEDED, REF SEED NOTES SHEET L1.1

PLANT SCHEDULE LANDSCAPE

TREES	QTY	BOTANICAL / COMMON NAME	SIZE	TYPE	HEIGHT	DETAIL	REMARKS
AS	2	Acer saccharum / Sugar Maple	2" Cal.	Deciduous	10-12' HT		B&B or Container
QP	3	Quercus phellos / Willow Oak	2" Cal.	Deciduous	10-12' HT		B&B or Container
SHRUBS	QTY	BOTANICAL / COMMON NAME	SIZE	CONTAINER	18"	DETAIL	REMARKS
IV	24	Itea virginica / Virginia Sweetspire	3 gal.	Pot	18"		Container, full
MM	31	Miscanthus sinensis 'Morning Light' / Morning Light Eulalia Grass	3 gal.	B&B	18"		Full
MC	2	Myrica cerifera / Wax Myrtle	3 gal.	Pot	18"		Full



**STONE CREEK
CONSULTING LLC**

PO BOX 2067 | DUNLAP, TN 37327
ALLEN@STONECREEKCONSULTINGLLC.COM
919.793.4077

**CCW - 8724 HIGHWAY 64
CLUB CAR WASH**



LANDSCAPE PLAN

Sheet No.
L1.0

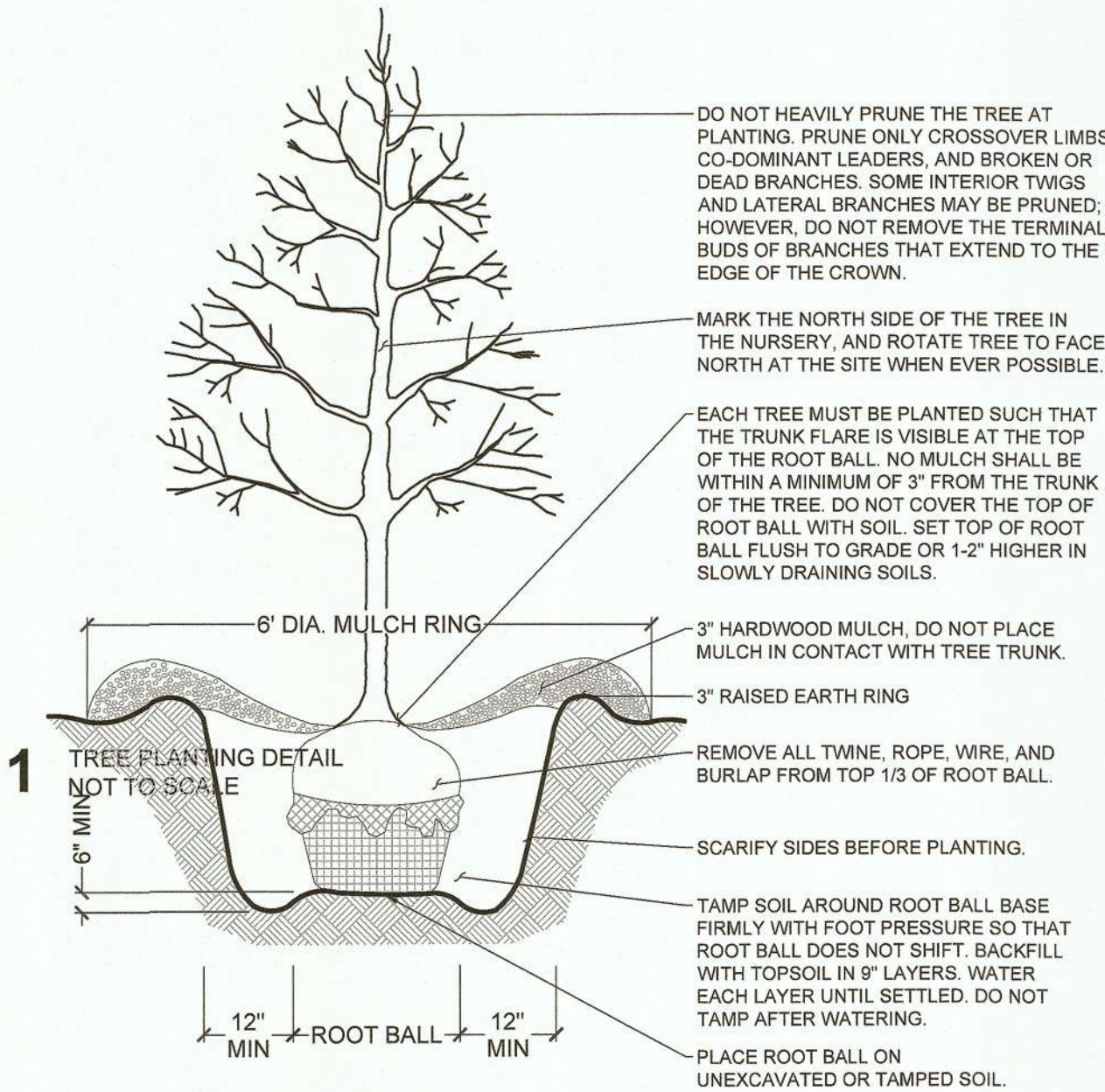
ANY LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVEGROUND STRUCTURES AND RECORD DRAWINGS PROVIDED THE SURVEYOR AND MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. FOR INFORMATION REGARDING THESE UTILITIES, CONTACT THE APPROPRIATE AGENCIES.



Drawn By: AWJ
Date: 09/28/2023
Checked By: DEC
Proj. No.: 23080449.05
File Name: x23080449.16 LANDSCAPE.dwg

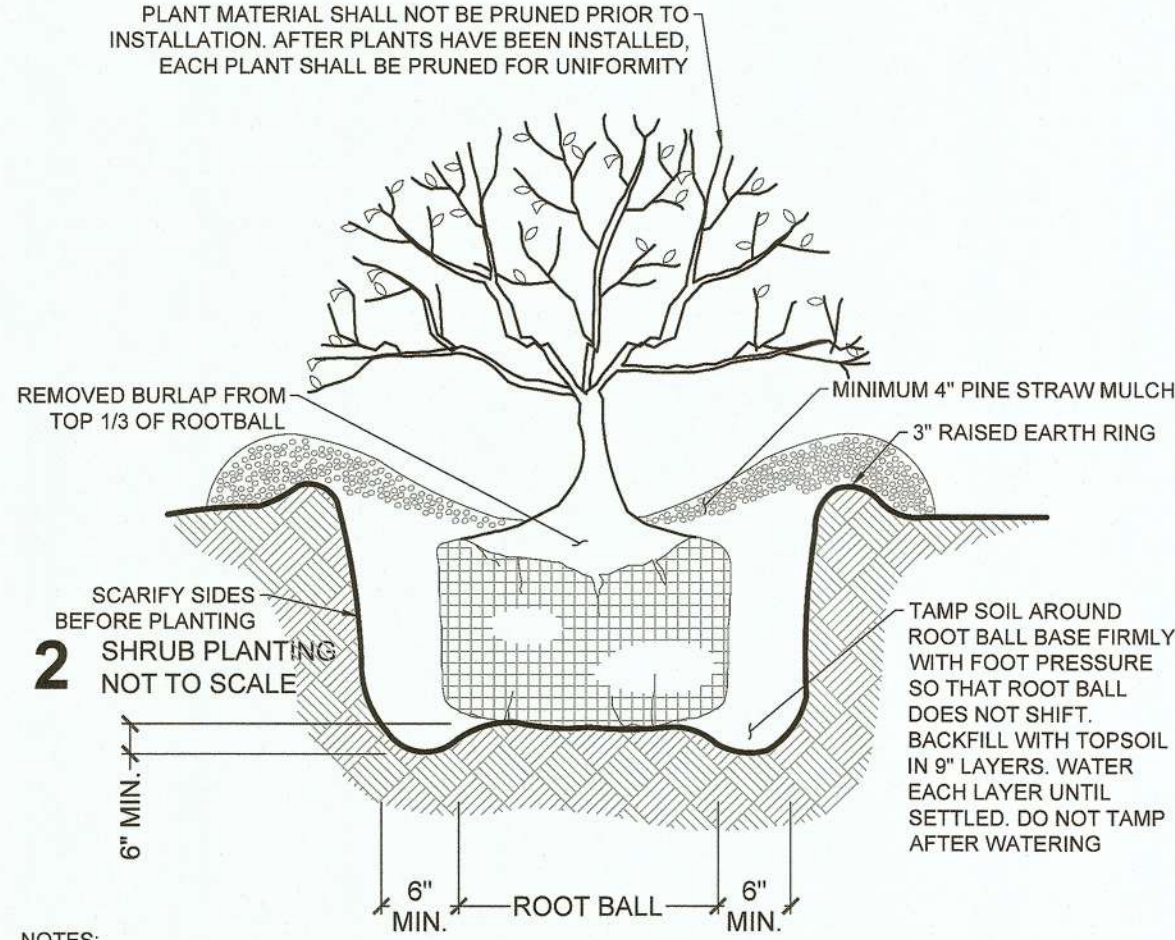
STONE CREEK
CONSULTING LLC

PO BOX 2067 | DUNLAP, TN 37327
ALLEN@STONECREEKCONSULTINGLLC.COM
919.793.4077



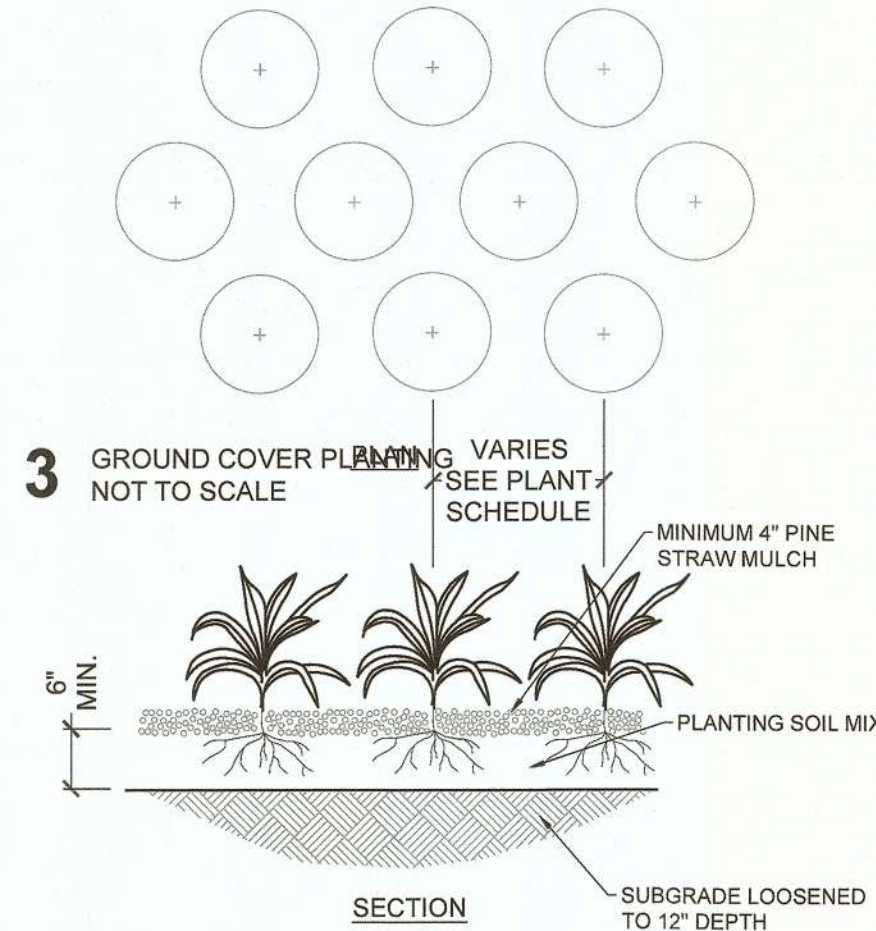
1 TREE PLANTING DETAIL
NOT TO SCALE

- NOTES:
- DO NOT STAKE TREES UNLESS APPROVED BY THE LANDSCAPE ARCHITECT. IF STAKED, REMOVE AFTER ONE GROWING SEASON. DO NOT WRAP TREE TRUNKS UNLESS APPROVED BY THE LANDSCAPE ARCHITECT. REMOVE WRAP AFTER PLANTING.
 - NON-BIODEGRADABLE BURLAP TO BE REMOVED OR ROLLED UNDER ROOT BALL AFTER PLANT IS PLACED IN HOLE.



- NOTES:
- WHERE PLANTS ARE SHOWN IN BEDS, MULCH SHALL COVER ENTIRE BED AS DENOTED ON THE PLANS.
 - CONTAINER GROWN PLANT MATERIAL MAY BE SUBSTITUTED FOR BURLAP MATERIAL.

2 SHRUB PLANTING
NOT TO SCALE



3 GROUND COVER PLANTING
NOT TO SCALE

PLANTING NOTES:

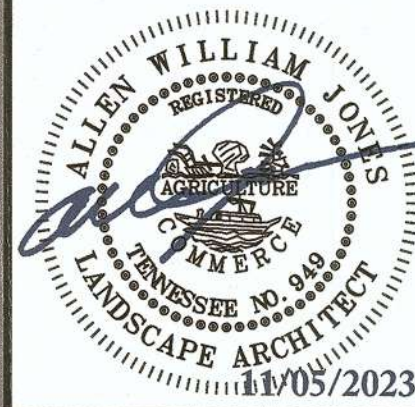
- ANY SERIES OF TREES TO BE PLACED IN A PARTICULAR ARRANGEMENT WILL BE FIELD CHECKED FOR ACCURACY. ANY PLANTS MISARRANGED WILL BE RELOCATED.
- SOIL USED IN BACKFILLING PLANTING PITS SHALL BE TOPSOIL AND MIXED WITH 25% PEAT BY VOLUME. EXCEPT FOR ERICACEOUS PLANTS, VERY ACID OR SOUR SOIL (SOIL HAVING A pH LESS THAN 6) SHALL BE MIXED WITH SUFFICIENT LIME TO PRODUCE A SLIGHTLY ACID REACTION (A pH OF 6.0 TO 6.5). 10-10-10 COMMERCIAL FERTILIZER AT THE RATE OF 2 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER.
- SOIL USED IN BACKFILLING ERICACEOUS PLANTS SHALL BE TOPSOIL MIXED WITH 50% PEAT BY VOLUME. 5-10-5 COMMERCIAL FERTILIZER AT THE RATE OF 5 POUNDS PER CUBIC YARD SHALL BE ADDED. BOTH FERTILIZER AND PEAT SHALL BE THOROUGHLY MIXED BY HAND OR ROTARY TILLER.
- UPON SECURING PLANT MATERIAL, AND BEFORE INSTALLATION, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT FOR A PRE-INSTALLATION INSPECTION IN ORDER TO VERIFY ALL PLANT MATERIAL MEETS SPECIFICATIONS. TREES OF SAME SPECIES TO BE MATCHED IN GROWTH CHARACTER AND UNIFORMITY.
- PRE-EMERGENT HERBICIDE (TRIFLURALIN OR EQUIVALENT) SHALL BE APPLIED TO ALL PLANT BEDS PRIOR TO PLANTING FOR NOXIOUS WEED CONTROL PER MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR SHALL SUBMIT A 10 OUNCE SAMPLE OF THE TOPSOIL PROPOSED TO A TESTING LABORATORY FOR ANALYSIS. TEST RESULTS, WITH RECOMMENDATIONS FOR SUITABILITY, SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR APPROVAL. PLANTS SHALL BE ORIENTED FOR BEST APPEARANCE AND VERTICAL. ALL NON-BIODEGRADABLE ROOT CONTAINERS SHALL BE REMOVED.
- TREE BRANCHES SHALL BE SELECTIVELY TRIMMED BY 25%, MAINTAINING NATURAL SHAPE. ALL DEAD AND BROKEN BRANCHES IN TREES AND SHRUBS SHALL ALSO BE PRUNED. REMOVE TAGS, TWINE OR OTHER NON-BIODEGRADABLE MATERIAL.
- SCARIFY SUBSOIL IN PLANTING BEDS TO A DEPTH OF 3 INCHES. ALL PLANTING BEDS SHALL RECEIVE A MINIMUM OF 6 INCHES OF TOPSOIL.
- CONTRACTOR SHALL PROVIDE SMOOTH, NEATLY TRENCHED (3 INCH DEEP) BED EDGES.
- ALL PLANTING BEDS TO HAVE A MINIMUM 3 INCH DEEP HARDWOOD MULCH.
- DIMENSIONS FOR TRUNK CALIPER, HEIGHTS, AND SPREAD SPECIFIED ON THE MATERIAL SCHEDULE ARE A GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT. QUALITY & SIZE OF PLANTS, SPREAD OF ROOTS AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH A.N.S.I. Z80 "AMERICAN STANDARD FOR NURSERY STOCK" (CURRENT EDITION) AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC.
- THE QUANTITIES INDICATED ON THE MATERIAL SCHEDULE ARE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR, BUT SHOULD NOT BE ASSUMED TO ALWAYS BE CORRECT. IN THE EVENT OF A DISCREPANCY, THE PLANTING PLAN WILL TAKE PRECEDENCE OVER THE MATERIAL SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS/HER OWN QUANTITY CALCULATIONS AND THE LIABILITY PERTAINING TO THOSE QUANTITIES AND ANY RELATED CONTRACT DOCUMENTS AND/ OR PRICE QUOTATIONS.
- CONTRACTOR TO WARRANTY ALL MATERIAL FOR ONE YEAR AFTER DATE OF FINAL ACCEPTANCE.

SEEDING NOTES:

- ALL DISTURBED AREAS TO BE SEEDDED WITH KY-31 FESCUE AT THE RATE OF 5 LBS PER 1,000 S.F. ALL SEED TO BE 98% PURE WITH 85% GERMINATION AND CONFORM TO ALL STATE REQUIREMENTS FOR GRASS SEED. THE FERTILIZER SHALL BE 6-12-12 COMMERCIAL TYPE WITH 50% OF ITS ELEMENTS DERIVED FROM ORGANIC SOURCES.
- STRAW MULCH SHALL BE PLACED UPON SEEDDED AREAS. STRAW SHALL BE OATS OR WHEAT STRAW, FREE FROM WEEDS, FOREIGN MATTER DETRIMENTAL TO PLANT LIFE, AND DRY. HAY OR CHOPPED CORNSTALKS ARE NOT ACCEPTABLE.
- THE CONTRACTOR SHALL VERIFY THAT THE PREPARED SOIL BASE IS READY TO RECEIVE WORK. THE TOPSOIL SHALL BE CULTIVATED TO A DEPTH OF 4 INCHES WITH A MECHANICAL TILLER AND SUBSEQUENTLY RAKED UNTIL SMOOTH. FOREIGN MATERIALS COLLECTED DURING CULTIVATION AND RAKING OPERATIONS SHALL BE REMOVED FROM PROJECT SITE.
- FERTILIZER SHALL BE APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS. LIMESTONE MAY BE APPLIED WITH THE FERTILIZER. FERTILIZER SHALL BE APPLIED AFTER SMOOTH RAKING AND PRIOR TO ROLLER COMPACTION AND IT SHALL BE MIXED THOROUGHLY IN THE UPPER 2 INCHES OF TOPSOIL.
- SEED SHALL BE APPLIED EVENLY IN TWO INTERSECTING DIRECTIONS AND RAKED IN LIGHTLY. THE TOPSOIL SHALL BE LIGHTLY WATERED PRIOR TO APPLYING SEED. DO NOT SEED AREA IN EXCESS OF THAT WHICH CAN BE MULCHED ON THE SAME DAY.
- ROLL SEEDDED AREA WITH ROLLER NOT EXCEEDING 112 POUNDS.
- IMMEDIATELY FOLLOWING SEEDING AND COMPACTION, APPLY STRAW MULCH AT THE RATE OF ONE AND ONE HALF BALE PER 1,000 SQUARE FEET. IMMEDIATELY AFTER MULCHING, APPLY WATER WITH A FINE SPRAY AND SATURATE THE GROUND TO A DEPTH OF 4 INCHES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEEDDED AREAS TO PREVENT GRASS AND SOIL FROM DRYING OUT UNTIL THE INSTALLATION IS INSPECTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RESEEDING BARE SPOTS FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF INSTALLATION.

SODDING NOTES:

- AREAS INDICATED FOR SOD SHALL BE KENTUCKY 31. MINIMUM AGE SHALL BE 18 MONTHS, WITH ROOT DEVELOPMENT THAT WILL SUPPORT ITS OWN WEIGHT WITHOUT TEARING WHEN SUSPENDED VERTICALLY BY HOLDING THE UPPER TWO CORNERS.
- SUBMIT SOD CERTIFICATION FOR GRASS SPECIES AND LOCATION OF SOD SOURCE. INCLUDE CERTIFICATION THAT SOD IS FREE OF DISEASE, NEMATODES, UNDESIRABLE INSECTS, AND QUARANTINE RESTRICTIONS.
- SOD SHALL BE DELIVERED ON PALLETS. SOD SHALL BE STORED AT A LOCATION THAT IS PROTECTED FROM DAMAGING WINDS.
- 6-12-12 COMMERCIAL TYPE FERTILIZER, WITH 50% OF THE ELEMENT DERIVED FROM ORGANIC SOURCES, SHALL BE APPLIED AT RATE RECOMMENDED BY THE MANUFACTURER. APPLY AFTER SMOOTH RAKING OF TOPSOIL AND NO MORE THAN 48 HOURS BEFORE LAYING SOD. MIX THOROUGHLY IN THE UPPER 2 INCHES OF TOPSOIL AND LIGHTLY WATER TO AID BREAKDOWN.
- AREA TO RECEIVE SOD SHALL BE LIGHTLY MOISTENED IMMEDIATELY PRIOR TO LAYING SOD.
- LAY SOD TIGHTLY WITH NO OPEN JOINTS VISIBLE AND NOT OVERLAPPING. STAGGER END JOINTS A MINIMUM OF 12 INCHES AND DO NOT STRETCH SOD PIECES.
- ON SLOPES 8 INCHES PER FOOT AND STEEPER, LAY SOD PERPENDICULAR TO SLOPE AND SECURE EVERY ROW WITH WOODEN PEGS AT A MAXIMUM 2 FEET O.C. DRIVE PEGS FLUSH WITH SOD PORTION OF SOD.
- PRIOR TO PLACING SOD ON SLOPES OF 8 INCHES PER FOOT AND STEEPER, PLACE JUTE EROSION CONTROL MESH OVER TOPSOIL. SECURELY ANCHOR IN PLACE WITH PEGS SUNK FIRMLY INTO THE GROUND. CONTRACTOR SHALL SUBMIT 12"x12" SAMPLES OF JUTE MESH FOR REVIEW TO LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- IMMEDIATELY AFTER INSTALLATION, WATER SODDED AREAS TO A DEPTH OF 4 INCHES.
- AFTER SOD AND SOIL HAVE DRIED, ROLL SODDED AREAS TO ENSURE A GOOD BOND BETWEEN SOIL AND SOD. ROLLER SHALL NOT EXCEED 150 POUNDS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING (MOWING, TRIMMING, WATERING) THE SOD UNTIL THE INSTALLATION IS INSPECTED AND ACCEPTED BY THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL REPLACE SOD AREAS THAT SHOW DETERIORATION FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE INSTALLATION. DETERIORATED MATERIAL SHALL BE REPLACED WITH SOD OF EQUAL QUALITY ORIGINALLY SPECIFIED.



LANDSCAPE DETAILS

No.	Date	Revision Description

Drawn By: AWJ	Checked By: DEC
Date: 09/28/2023	Proj. No.: 23080449.05
File Name: x23080449.16 LANDSCAPE.dwg	

Sheet No.
L1.1

CCW - 8724 HIGHWAY 64

CLUB CAR WASH

8724 HIGHWAY 64

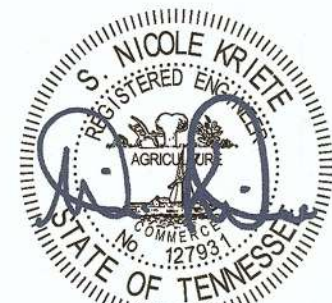
BARTLETT, SHELBY COUNTY, TN

TTL

624 Grassmere Drive Suite #14 | Nashville, TN 37211
615.331.7770 | www.ttlusa.com

ISSUE TITLE	DATE
SITE SUBMITTAL	11-17-2023

THE PROFESSIONAL ENGINEER'S SEAL ON THIS DRAWING HAS
BEEN AFFIXED IN ACCORDANCE WITH THE REQUIREMENTS OF
CHAPTER 207, RSMO. IN AFFIXING THIS SEAL, THE ENGINEER
TAKES RESPONSIBILITY FOR THE WORK SHOWN ON THIS DRAWING
ONLY, AND HEREBY DISCLAIMS ANY AND ALL RESPONSIBILITY FOR
OTHER PROJECT DRAWINGS NOT DIRECTLY BEARING THIS SEAL.



S. NICOLE KRIETE, P.E. NOV. 17, 2023
127931
TN Certificate of Authority #1519



A Custom Engineering Company

912 Old 63 South Columbia, MO 65201
ph: 573.875.4365

PROJECT No.	CQXXXXX	DESIGNED BY	SNK
DRAWN BY	BAR	CHECKED BY	SNK

PROJECT

CLUB CARWASH

8474 HWY 64
BARTLETT, TN

SHEET TITLE

SITE UTILITIES PLAN

SHEET NUMBER

MEP2

SITE UTILITIES PLAN KEY NOTES

- 1" PVC CONDUIT WITH (3) #12 CU
- 4" CS90 CHW TO WITHIN 9'-0" OF BUILDING TRANSITIONING TO 2" COPPER CHW INTO BUILDING. SEE 'WATER RISER', SHEET PW100. SEE CIVIL PLAN FOR CONTINUATION.
- EXTEND 3" SLEEVE WITH LONG SWEEP ELBOW THRU FOOTING TO NEAREST GREEN SPACE FOR IRRIGATION PIPING / LOW VOLTAGE CONDUIT. COORDINATE WITH IRRIGATION CONTRACTOR.
- 3" IRRIGATION CONDUIT FOR FUTURE IRRIGATION BY IRRIGATION CONTRACTOR. COORDINATE EXACT LOCATION WITH IRRIGATION CONTRACTOR. MARK ENDS OF CONDUIT WITH REBAR.
- TELECOMMUNICATIONS PEDESTAL. COORDINATE EXACT LOCATION WITH TELECOMMUNICATIONS PROVIDER.
- NEW 2" WATER METER AND REDUCED PRESSURE BACKFLOW PREVENTER IN PIT. SEE CIVIL PLANS FOR DETAILS.
- (1) 1/2" PVC CONDUIT WITH (3) #3 CU.
- 1" PVC WITH (3) #12 CU FOR MONUMENT SIGN.
- GAS METER. SEE CIVIL PLANS FOR CONTINUATION.
- 480277 V, 3 PH TRANSFORMER. COORDINATE WITH ELECTRIC UTILITY.
- 6" SANITARY TO MAIN. SEE CIVIL SITE PLAN FOR CONTINUATION.
- (1) 3" PVC CONDUIT WITH PULL STRING FOR TELECOMMUNICATIONS.
- STOP/GO SIGN. POWER THRU TUNNEL CONTROLLER. SEE TUNNEL CONTROLLER FUNCTION LIST ON SHEET ED200. COORDINATE EXACT LOCATION WITH OWNER.
- SECONDARY CONDUIT / CONDUCTORS TO BUILDING. SEE POWER RISER ON SHEET ED100 FOR DETAILS.
- 3" CONDUIT (WITH PULL STRING) FOR TELECOMMUNICATIONS DEMARCATION STUBBED UP INSIDE BUILDING
- CT / METER PER LOCAL UTILITY REQUIREMENTS.
- SEE SHEET PS100 FOR RECLAIM SYSTEM PIPE SIZES AND DETAILS.
- (1) 3" PVC WITH (8) CAT 6 & WITH PULL STRING FROM OFFICE DATA J-BOX. STUB UP INSIDE SUPPORT FOR SECURITY CAMERA ARCH.
- 3" PVC CONDUIT STUBBED UP (WITH PULL STRING) FOR TELECOMMUNICATIONS. COORDINATE EXACT LOCATION WITH TELECOMMUNICATIONS PROVIDER.
- SECURITY CAMERA ARCH. COORDINATE EXACT ARCH LOCATION WITH OWNER.
- (2) DATA CONDUITS FROM OFFICE J-BOX & (4) POWER CONDUITS FROM LP1. SEE ENLARGED CASHIER BOOTH AREA FOR CONTINUATION
- PRIMARY CONDUIT FROM POWER POLE OR VAULT, COORDINATE WITH ELECTRIC UTILITY.
- (3) 2" SLEEVES THROUGH FOOTING OUT TO VACUUMS FOR CUSTOMER AIR. COMPRESSED AIR PIPING BY OWNER. COORDINATE EXACT LOCATION AT STUB-UPS AT VACUUMS WITH OWNER.

SITE UTILITIES PLAN GENERAL NOTES

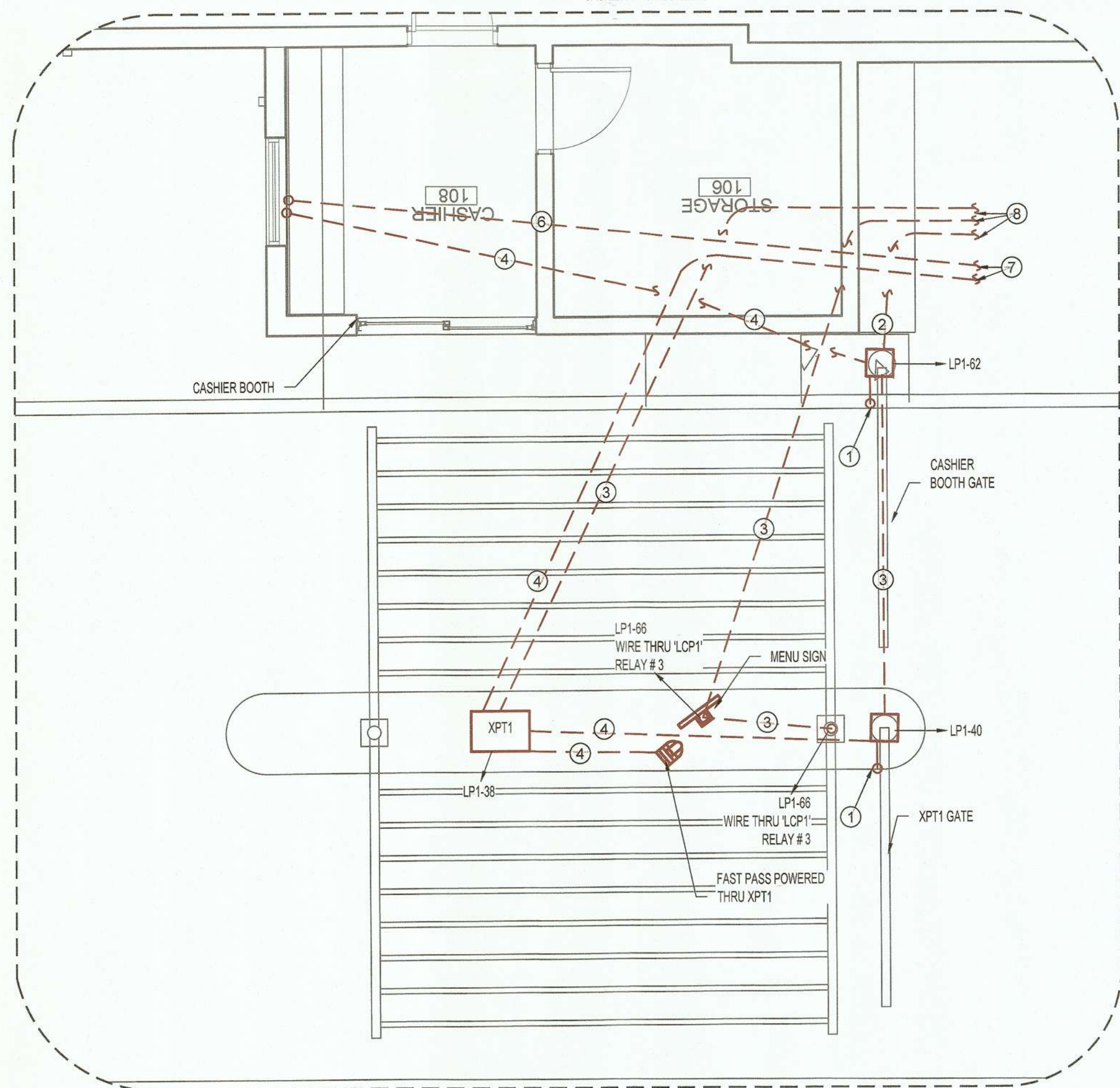
- ALL SITE CONDUITS UNDERNEATH PAVING TO BE BACKFILLED WITH EITHER CLEAN OR COMPACTED ROCK BY ELECTRICIAN. COMPACTED DIRT IS NOT ACCEPTABLE UNDERNEATH PAVING.

NOTE: FINAL CONNECTION OF BUILDING SANITARY TO SANITARY LATERAL TO BE MADE BY PLUMBING CONTRACTOR. FINAL CONNECTION OF WATER SERVICE BY PLUMBING CONTRACTOR.

CASHIER BOOTH AREA KEY NOTES

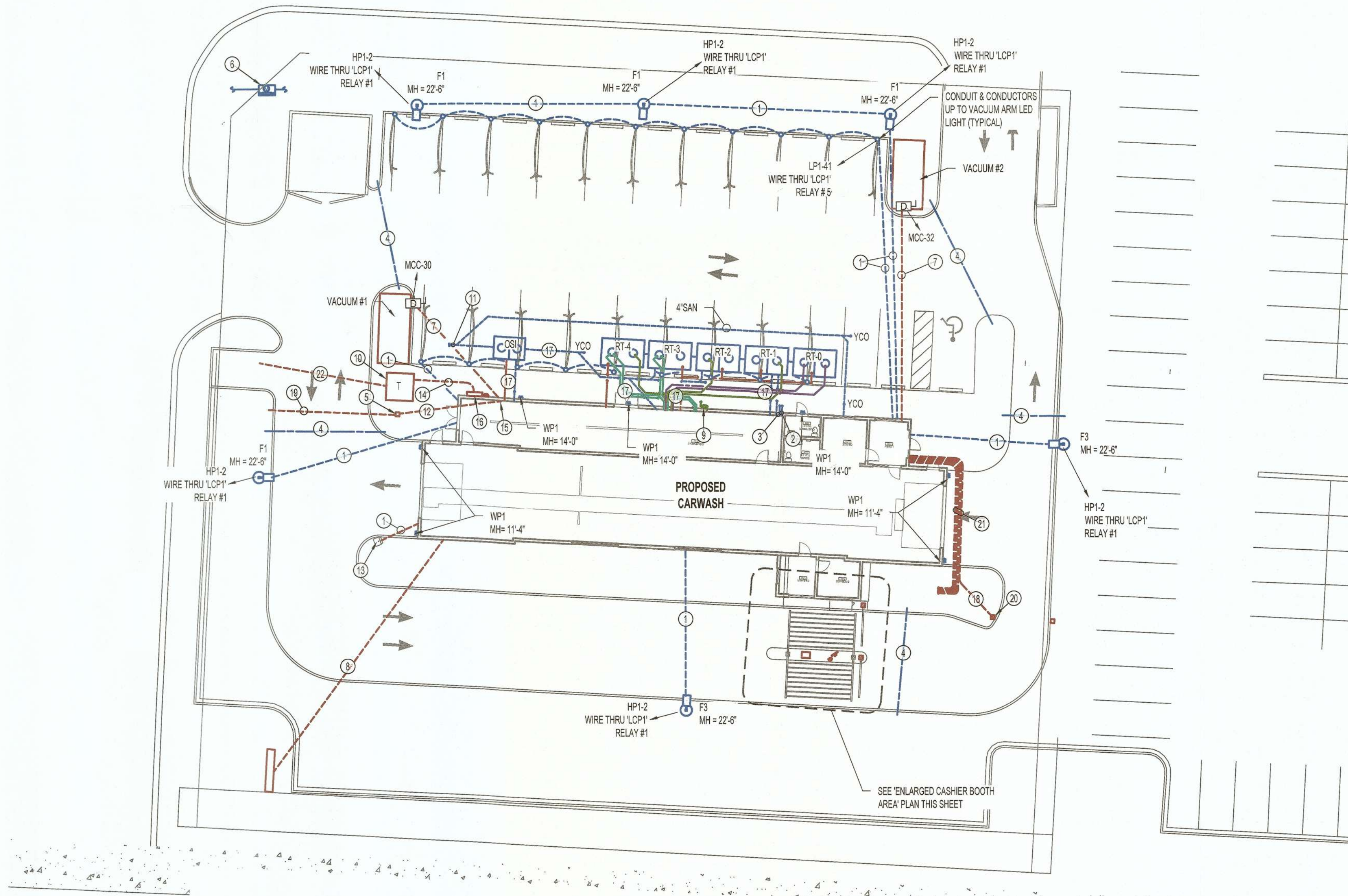
- STUB UP 1" PVC CONDUIT WITH PULL STRING IN CURB FOR GATE LOOP PROVIDED BY OWNER.
- 1" PVC CONDUIT WITH (8) #12 CU
- 1" PVC CONDUIT WITH (3) #12 CU
- (1) 1" PVC CONDUIT WITH (1) CAT 6 FOR DATA.
- STUB CONDUIT UP INSIDE CANOPY SUPPORT FOR CANOPY LED LIGHTS.
- (1) 1" PVC CONDUIT WITH (2) CAT 6 FOR DATA.
- FROM OFFICE DATA J-BOX
- FROM 'LP1'

NOTE: CONTRACTOR SHALL VERIFY ALL CONDUIT LOCATIONS & STUB-UPS IN CASHIER BOOTH/GATE AREA W/ OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.



ENLARGED CASHIER BOOTH AREA

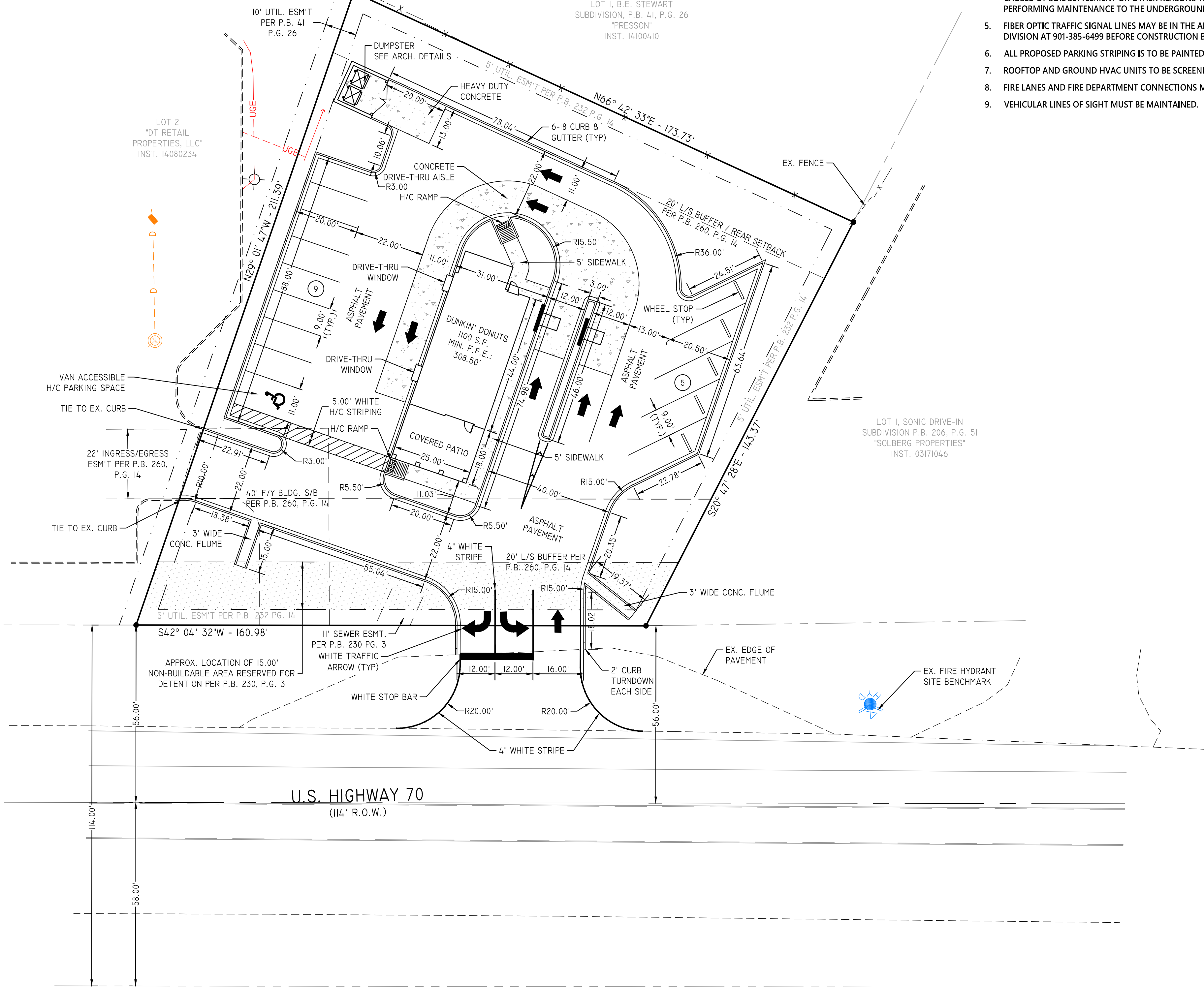
SCALE: Custom



SITE UTILITIES PLAN

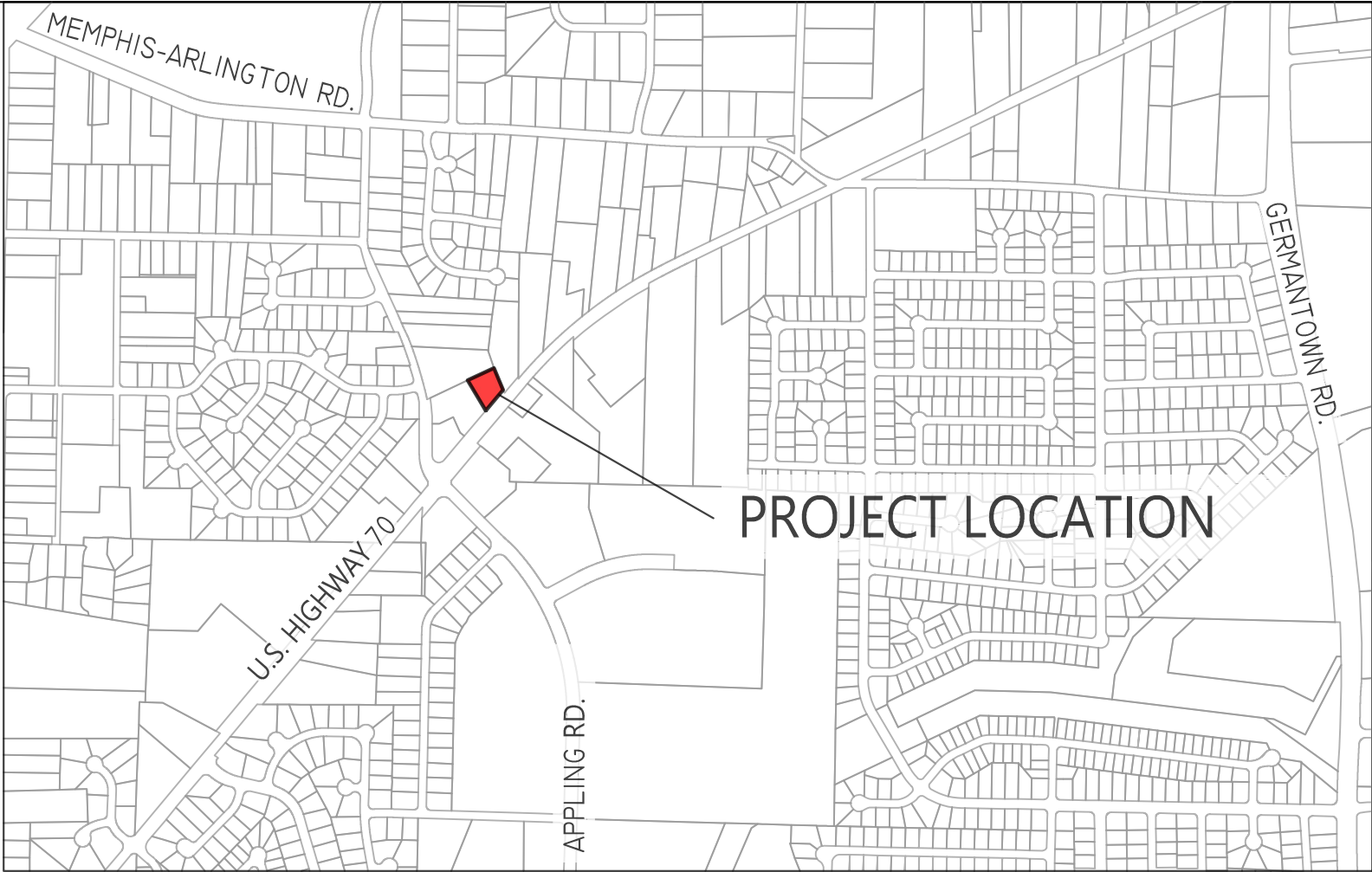
SCALE: 1"=20'

PLANIMETER DRAWN BY: J. GRANBERRY, P.E. DATE: 05/16/2023

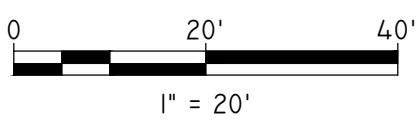
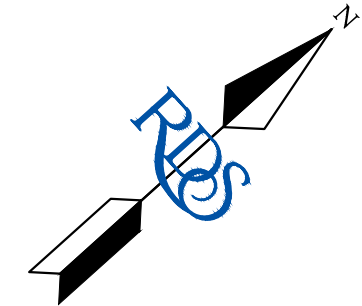


NOTES:

- ALL SIDE AND REAR YARD SWALES ARE TO ACT AS DRAINAGE WAYS. THEY ARE PRIVATE AND ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- DEVELOPER/CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SIGHT TRIANGLES ARE CLEAR OF OBSTRUCTIONS.
- ALL SIDEWALK AND DRIVE/STREET CROSSINGS SHALL MEET CURRENT ADA, COUNTY, AND CITY REGULATIONS.
- THE CITY OF BARTLETT SHALL HAVE THE RIGHT TO ENTER THE PROPERTY FOR THE PURPOSE OF MAINTAINING THE DRAINAGE, WATER, AND SEWER SYSTEMS LOCATED WITHIN PUBLIC EASEMENTS. HOWEVER, THE TOWN DOES NOT HAVE THE RESPONSIBILITY TO REPAIR ANY DAMAGE TO THE YARDS, PARKING LOT, STREETS OR DRIVES CAUSED BY SOIL SETTLEMENT OR OTHER REASONS THAT ARE NOT DIRECTLY CAUSED BY THE TOWN'S ACTION OF PERFORMING MAINTENANCE TO THE UNDERGROUND SYSTEMS.
- FIBER OPTIC TRAFFIC SIGNAL LINES MAY BE IN THE AREA. PLEASE NOTIFY THE CITY OF BARTLETT ENGINEERING DIVISION AT 901-385-6499 BEFORE CONSTRUCTION BEGINS.
- ALL PROPOSED PARKING STRIPING IS TO BE PAINTED WHITE.
- ROOFTOP AND GROUND HVAC UNITS TO BE SCREENED FROM PUBLIC VIEW.
- FIRE LANES AND FIRE DEPARTMENT CONNECTIONS MUST BE CLEAR.
- VEHICULAR LINES OF SIGHT MUST BE MAINTAINED.



VICINITY MAP
SCALE: 1" = 1000'



LEGEND

- THESE STANDARD SYMBOLS MAY BE FOUND IN THE DRAWING.
- PROPERTY LINES
 - ADJOINING PROP. LINES
 - BACK OF CURB
 - FACE OF CURB
 - SIDEWALK
 - EDGE OF PAVEMENT
 - ROADWAY CENTERLINE
 - EX. OH ELECTRIC LINES
 - EX. UG ELECTRIC LINES
 - EX. WATER LINES
 - EX. SEWER LINES
 - EX. STORM DRAIN
 - EX. GAS LINE
 - EX. UG CABLE
 - EX. FIBER OPTIC
 - EX. FENCE LINES
 - EX. SIDEWALK
 - EX. EASEMENT
 - PR. WATER LINE
 - PR. SEWER LINE
 - PR. STORM DRAIN
 - DRAINAGE BASIN
 - EASEMENT

SITE LAYOUT DATA CHART		
PROJECT NAME:	Dunkin' Donuts	
SUBDIVISION:	Corner Shops of Highway 70	
LOT NUMBER:	3	
PROPERTY ADDRESS:	0 Highway 70	
CITY, COUNTY, STATE, ZIP:	Bartlett, TN, Shelby County, TN, 38133	
WARD/BLOCK:	B01/58	
PARCEL ID #:	00912	
EXISTING ZONING:	C-H (Highway Business District)	
ACREAGE OF SITE	0.66 Acres (28540 S.F.)	
MINIMUM AREA REQUIRED	10,000 S.F.	
MINIMUM REQUIRED SETBACK LINES	MINIMUM REQUIRED	PROVIDED
FRONT	40 ft	44.69 ft
REAR	20 ft	57.92 ft
Side	N/A	N/A
OWNERSHIP: Bartlett Donuts Holdings, LLC		
Address:	1050 Cambridge Square Suite A	
City, State, Zip:	Alpharetta, GA 30009	
Contact Name:	James Laskaris	
APPLICANT/DESIGN PROFESSIONAL: Granberry & Associates, LLC		
Address:	1685 York Avenue Memphis, TN 38104	
Phone No.:	662-312-9672	
E-mail Address:	jgranberry@mccartygranberry.com	
Contact Name:	John Granberry	
PROPOSED USES:	Drive-Thru Coffee and Donut Shop	
NONRESIDENTIAL BUILDING AREA:	1,100 S.F. (proposed)	
BUILDING HEIGHT(S) (all buildings):	MAXIMUM LIMIT	PROVIDED
	28.33' ^[1]	<20.0'
MAXIMUM LOT COVERAGE:	40%	3.9%
PROPOSED PARKING	MINIMUM REQUIRED	PROVIDED
Total Spaces (36 spaces per 100 seats + 7 (12 seats))	12	14
ADA Spaces	1	1
MINIMUM GREENSPACE:	35%	35.4%

[1] Maximum height is one third of the horizontal distance of the nearest adjacent single-family home

SITE BENCHMARK (T.B.M.):

SOUTH FLANGE OF BOLT OF FIRE HYDRANT LOCATED ON THE NORTH SIDE OF U.S. HIGHWAY 70 APPROXIMATELY 60 FEET NORTHEAST OF SITE.

ELEVATION: 305.80'

F.E.M.A. NOTE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGERMENTS AGENCY'S FLOOD INSURANCE RATE MAP (FIRM), THIS PROPERTY LIES IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS IDENTIFIED IN COMMUNITY PANEL NUMBER 470175 0310 G. MAP REVISED FEBRUARY 6, 2013.

SEWER BASIN: WN-10

DRAINAGE BASIN: YOUNG 12-C

DIVISION OF ENGINEERING

SITE PLAN

BARTLETT, TN

SURVEY: HARRIS & ASSOCIATES
DESIGN BY: J. GRANBERRY, P.E.
DRAWN BY: J. BURNETTE, P.E.

DATE: 05/16/2023
DATE: 11/06/2023
DATE: 11/06/2023

PROJECT NO.: ----
BOOK:
SCALE: 1" = 20'

CITY ENGINEER

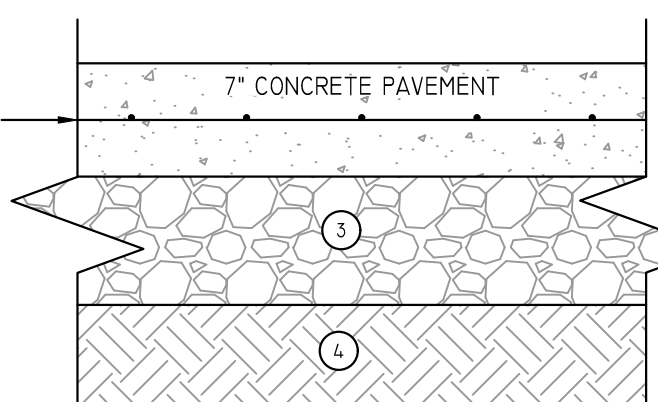
DATE

REVISION	APPROVAL
ITEM NO.	DESCRIPTION OF CHANGE

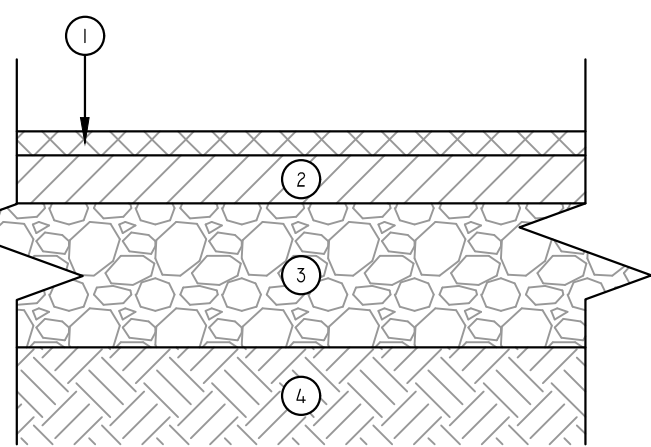


BARTLETT DUNKIN' DONUTS
LOT 3 OF CORNER LOTS OF HIGHWAY 70 SUBDIVISION
OWNER: BARTLETT DONUT HOLDINGS, LLC
ENGINEER: GRANBERRY & ASSOCIATES AND RDS

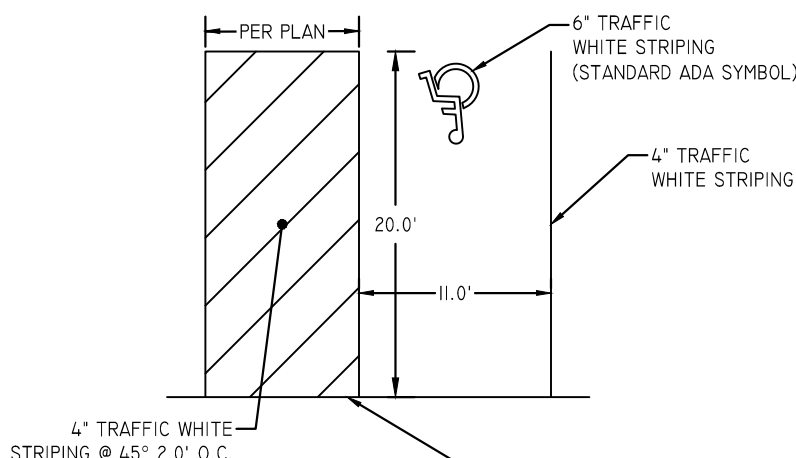
- 1.5" BITUMINOUS CONCRETE WEARING LAYER (ASPHALT) GRADING 'E' (TDOT SPECIFICATION 411)
- 2" B.P.M.P. (HOT MIX) GRADING 'B' (TDOT SPECIFICATION 307-BM-2)
- 8" COMPACTED GRAVEL BASE (98% STANDARD PROCTOR) OR 8" SOIL CEMENT (SOIL AND MIX DESIGN REQUIRED)
- COMPACTED SUBGRADE (98% STANDARD PROCTOR IF USING COMPACTED GRAVEL BASE)



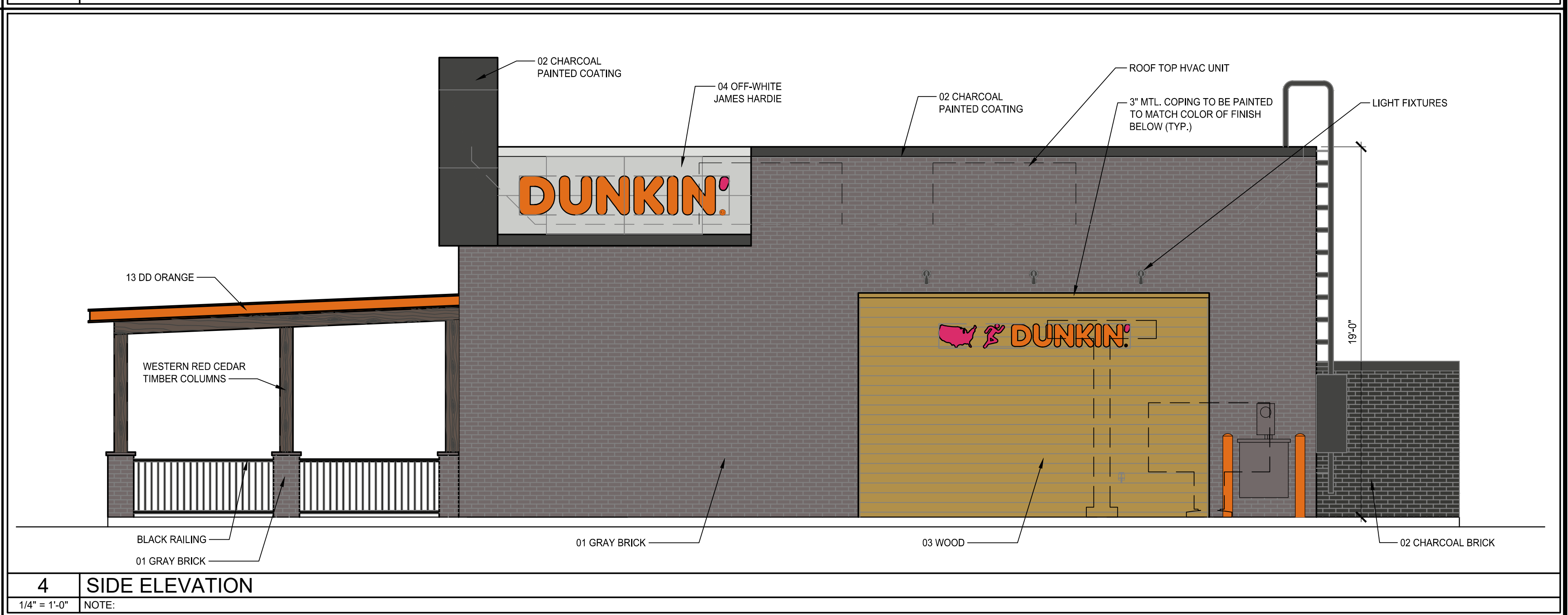
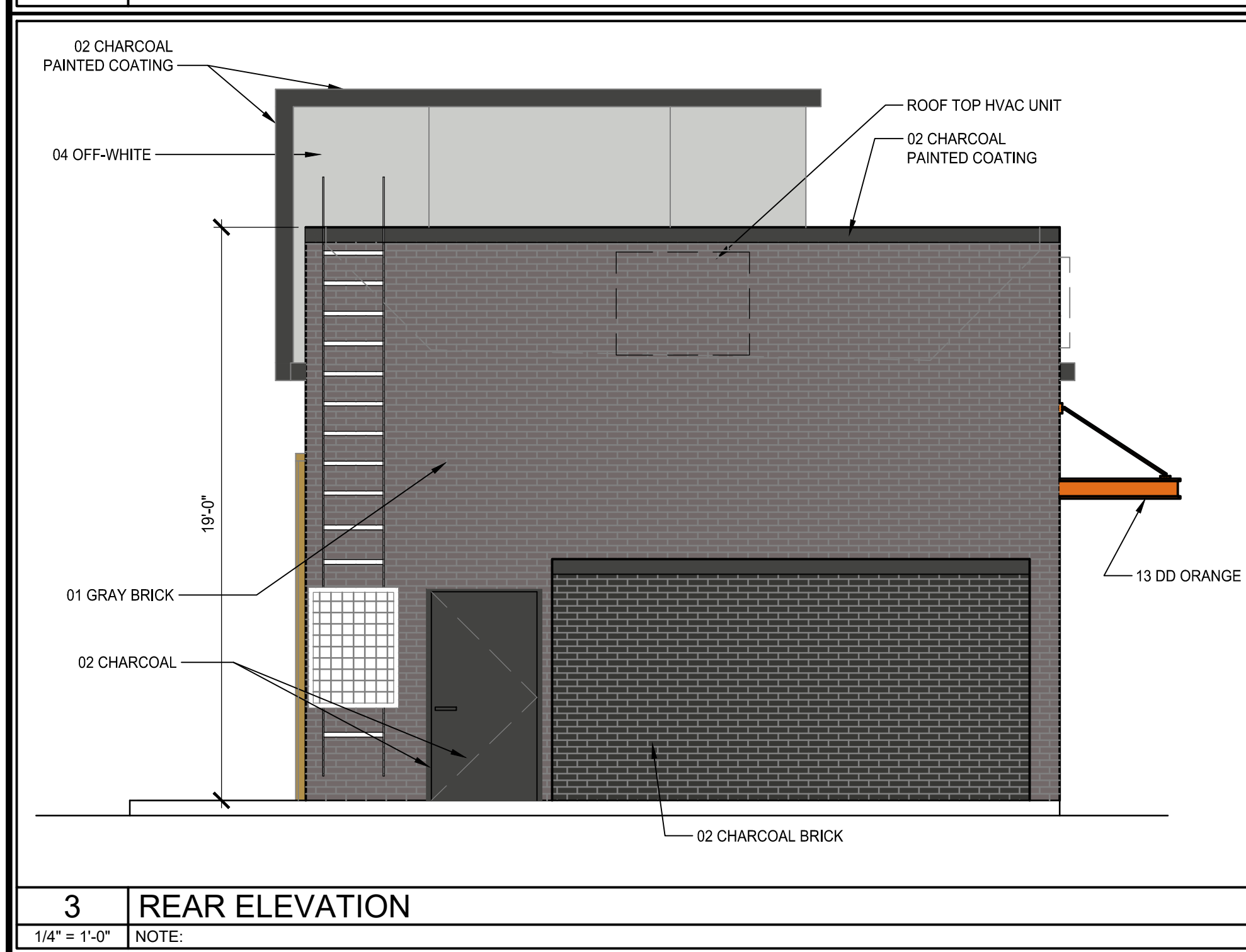
HEAVY DUTY CONCRETE PAVEMENT
N.T.S.



ASPHALT PAVEMENT SECTION
N.T.S.

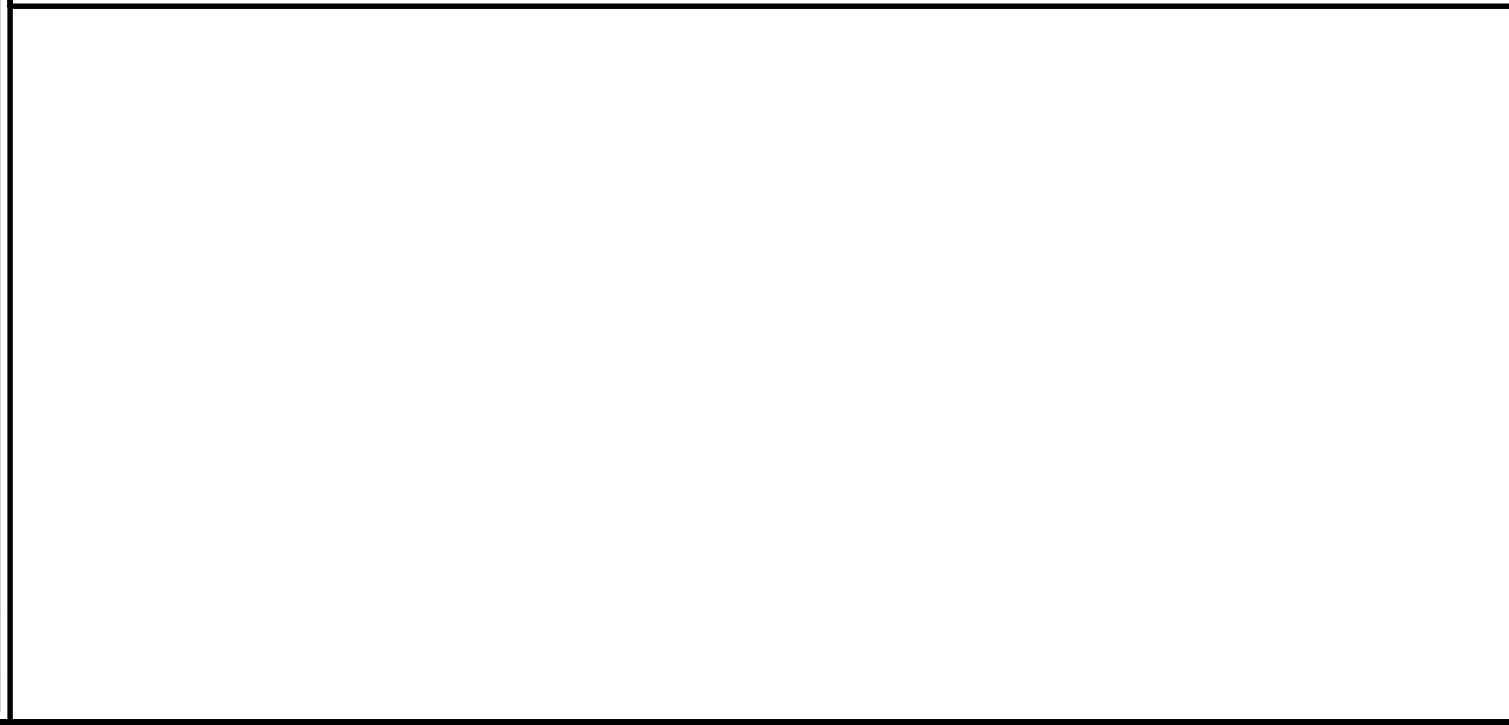
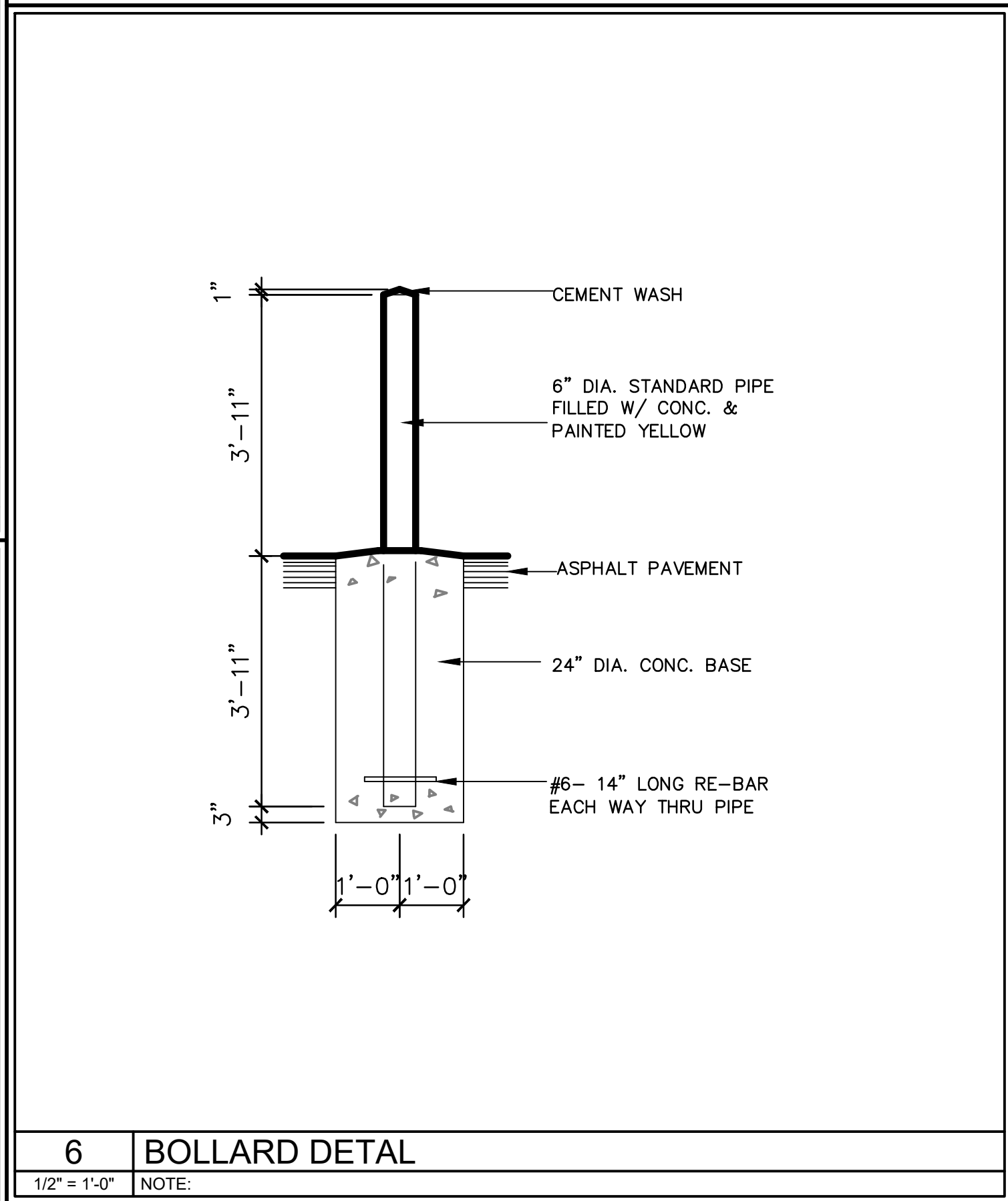
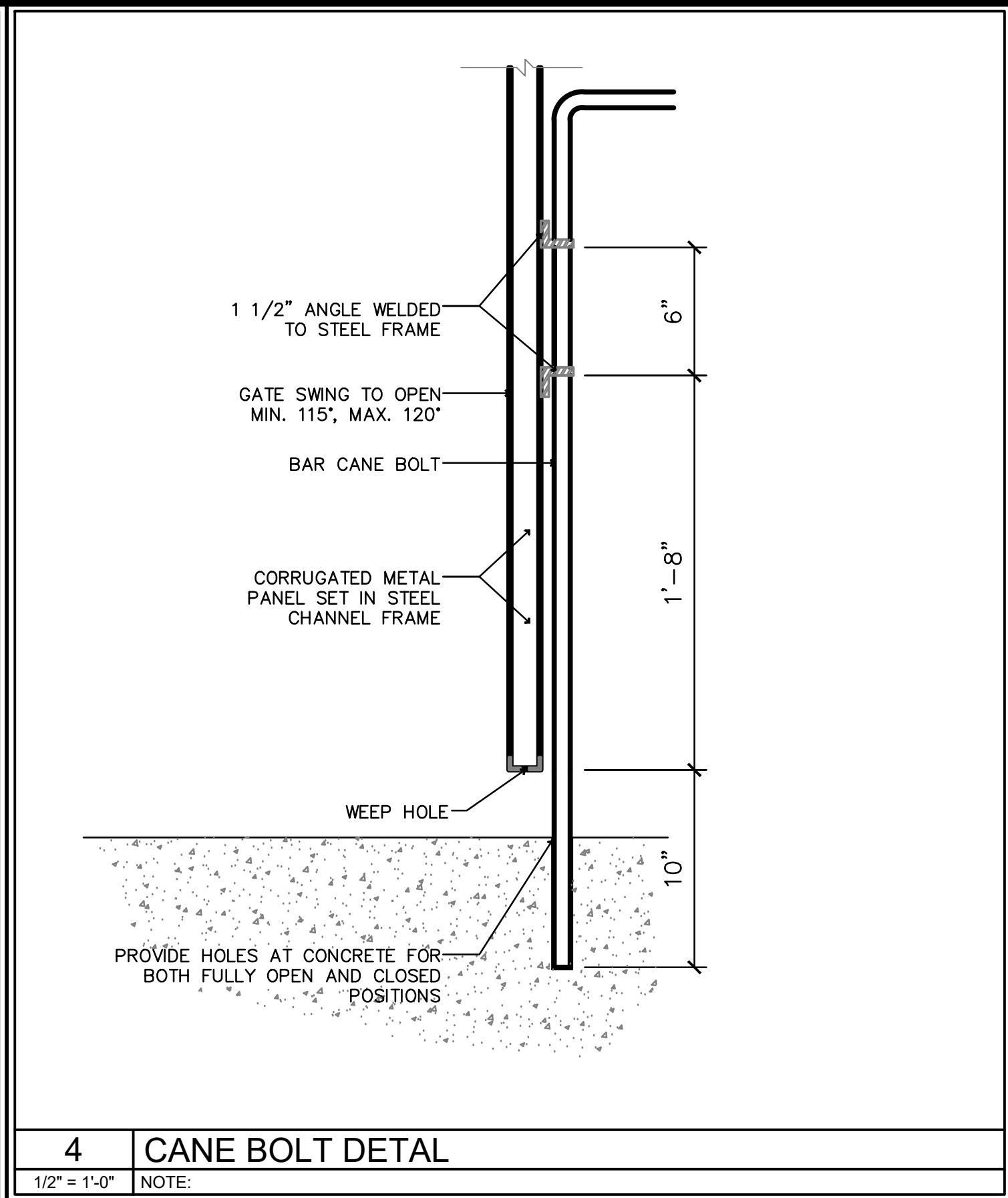
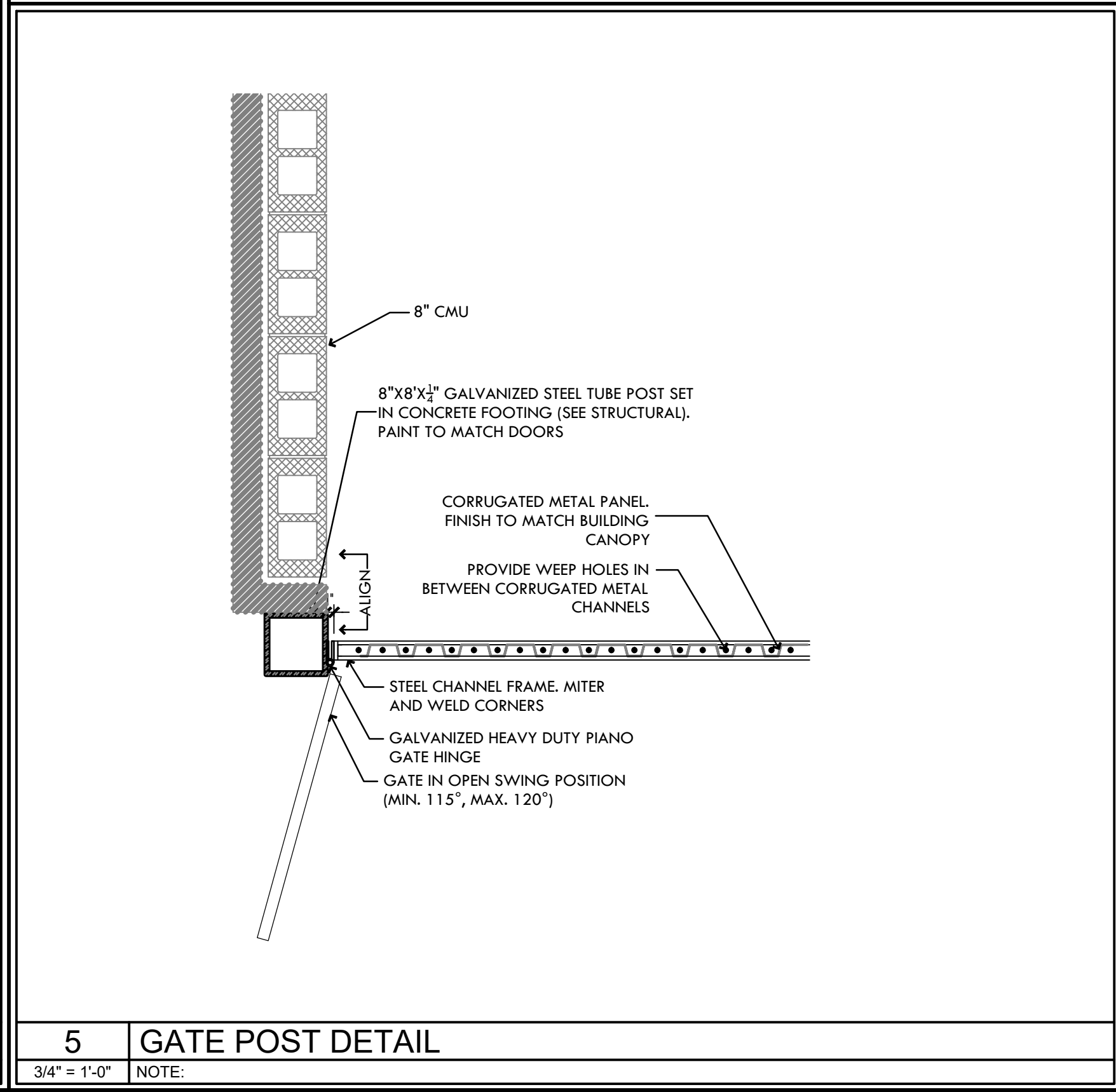
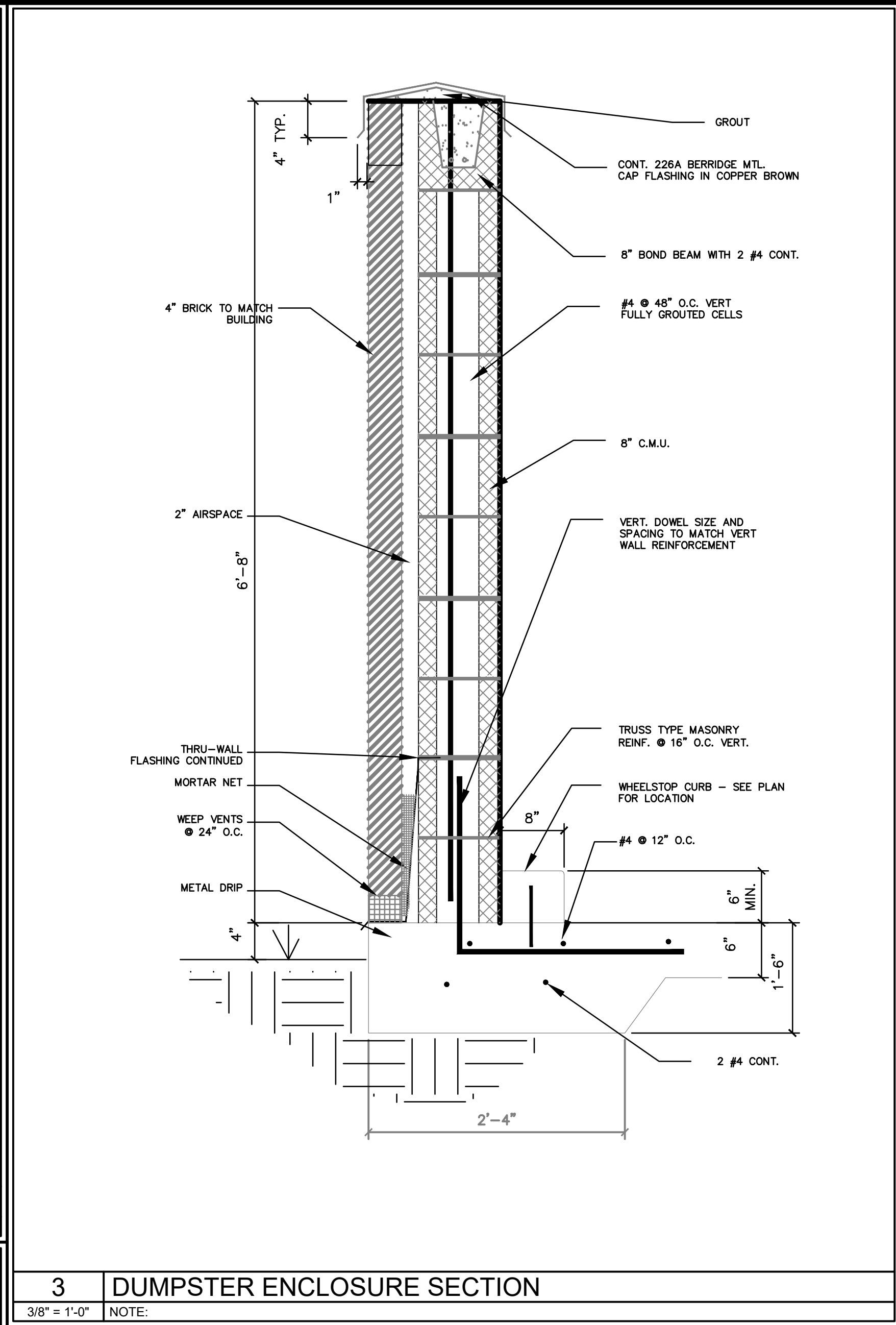
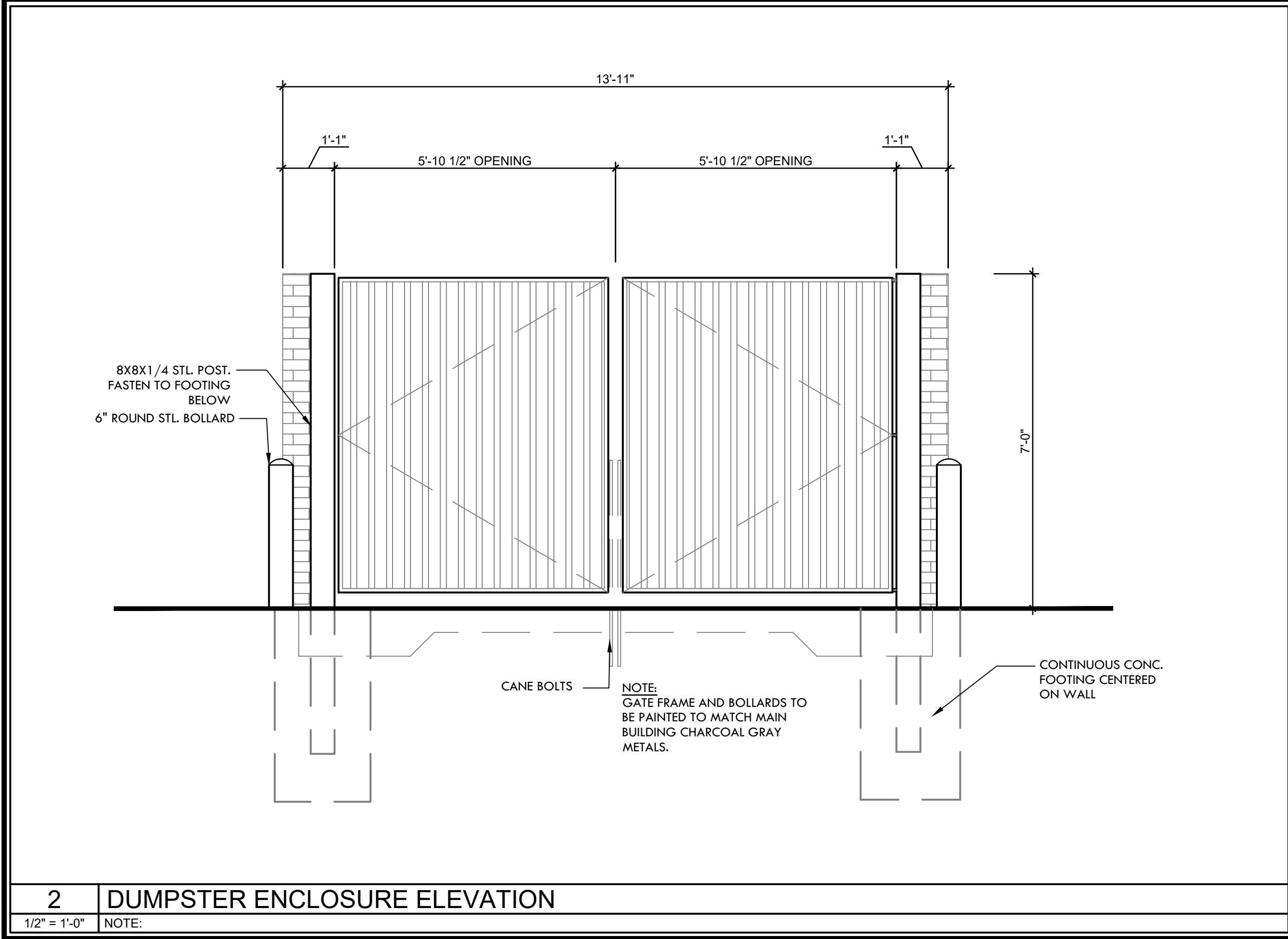
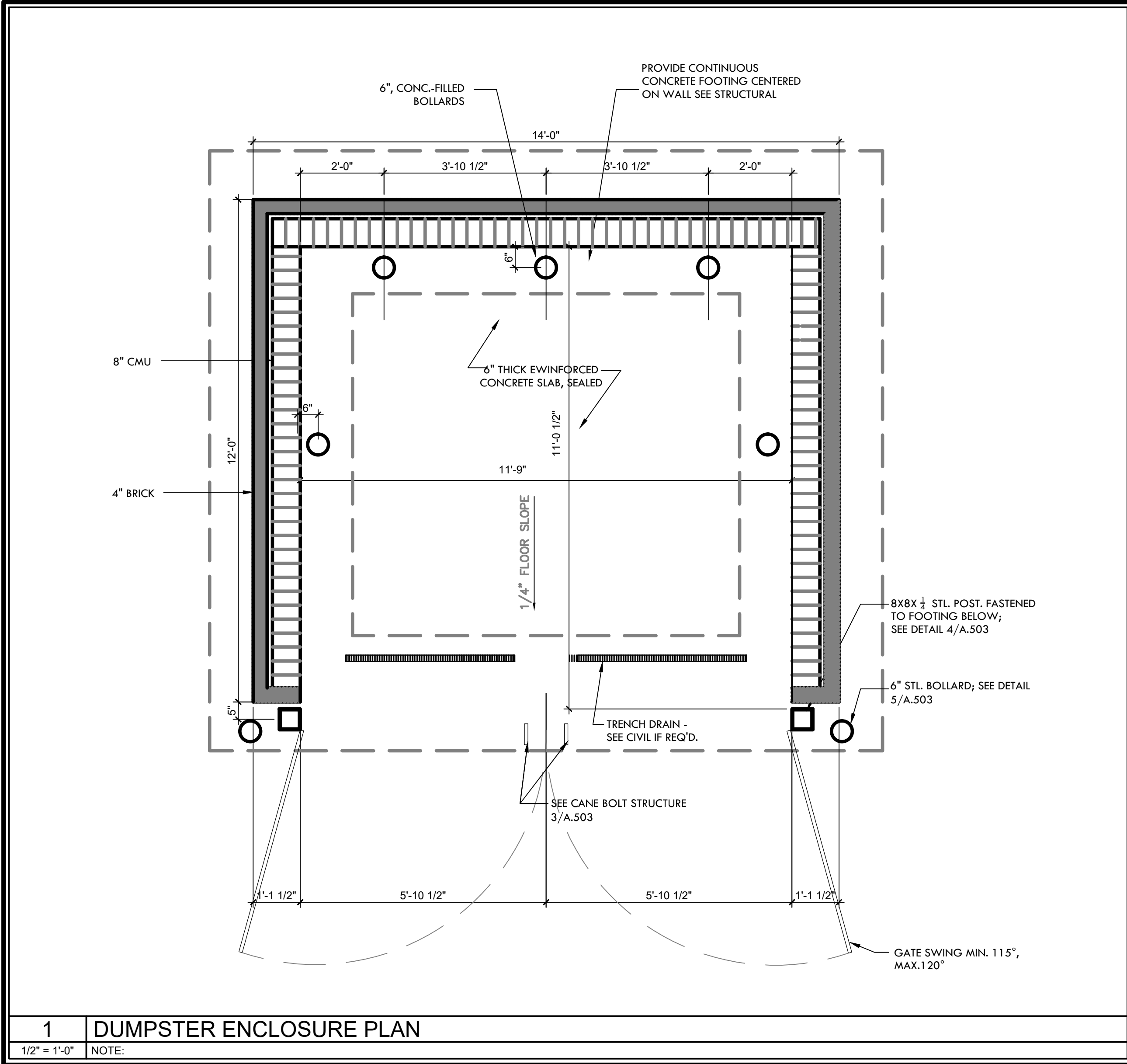


TYPICAL ADA VAN ACCESSIBLE PARKING
SPACE LAYOUT
N.T.S.



CHECKED 03152021				
			PREFERRED	
	CODE	MATERIAL		DESCRIPTION / REMARKS
EXTERIOR MATRIX OF MATERIALS (VMOM) OPTIONS	-01	GRAY PATTERN	JAMES HARDIE PANEL	
	-02	CHARCOAL PATTERN	JAMES HARDIE 6" SIDING EXPOSURE OR PANEL	
	-03	WOOD PATTERN	WOODTONE	
	-04	OFF-WHITE PATTERN	JAMES HARDIE PANEL	
	-09	WALK-IN BOX	PAINT SHERWIN WILLIAMS	
	-12	PINK BAND	PAINT SHERWIN WILLIAMS	
	-13	ORANGE BAND	PAINT SHERWIN WILLIAMS	
	TR - 01	PINK EXTRUDED METAL CHANNEL AT TOWER ELEMENT	TAVILYN	
	TR - 02	OFF-WHITE EXTRUDED METAL CHANNEL AT TOWER ELEMENT	TAVILYN	

NOT-ISSUED-FOR-CONSTRUCTION



DAVID S. WARE, AIA
GLENRIDGE 400
5825 GLENRIDGE DRIVE
BUILDING 3, SUITE 101-H
ATLANTA, GA 30328
PHONE 404.816.9122

PROJECT:

DUNKIN'

ADDRESS:

PC #365233
APPLING RD + HWY 70
BARTLETT, TN 38133

NO. DATE: ISSUE DESCRIPTION:
11.17.23 FOR REVIEW

SEAL:



SHEET TITLE:

DUMPSTER ENCLOSURE

SCALE:

AS NOTED

DRAWN BY:

DSW

CHECKED BY:

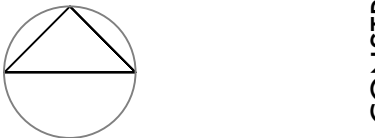
KAW

PROJECT NO.:

23-158

THIS DRAWING AND ALL REPRODUCTIONS ARE THE PROPERTY OF DAVID S. WARE, AIA AND MAY BE USED OR REPRODUCED ONLY WITH THE WRITTEN PERMISSION OF DAVID S. WARE, AIA

PROJECT NORTH:



SHEET NO.:

SP1.3

NOT ISSUED FOR CONSTRUCTION

Section 23 Trees and Landscape Ordinance
Excerpt from Part III Construction Requirements and Approvals.

- The irrigation system shall be in compliance with the following:

- For a site with a landscaped area small enough that it can be maintained without an irrigation system, the irrigation requirement may be waived by the Board of Mayor and Aldermen upon submittal in the landscaping plan of reasonable alternative means of watering the area.

Drought-tolerant plant materials are encouraged.

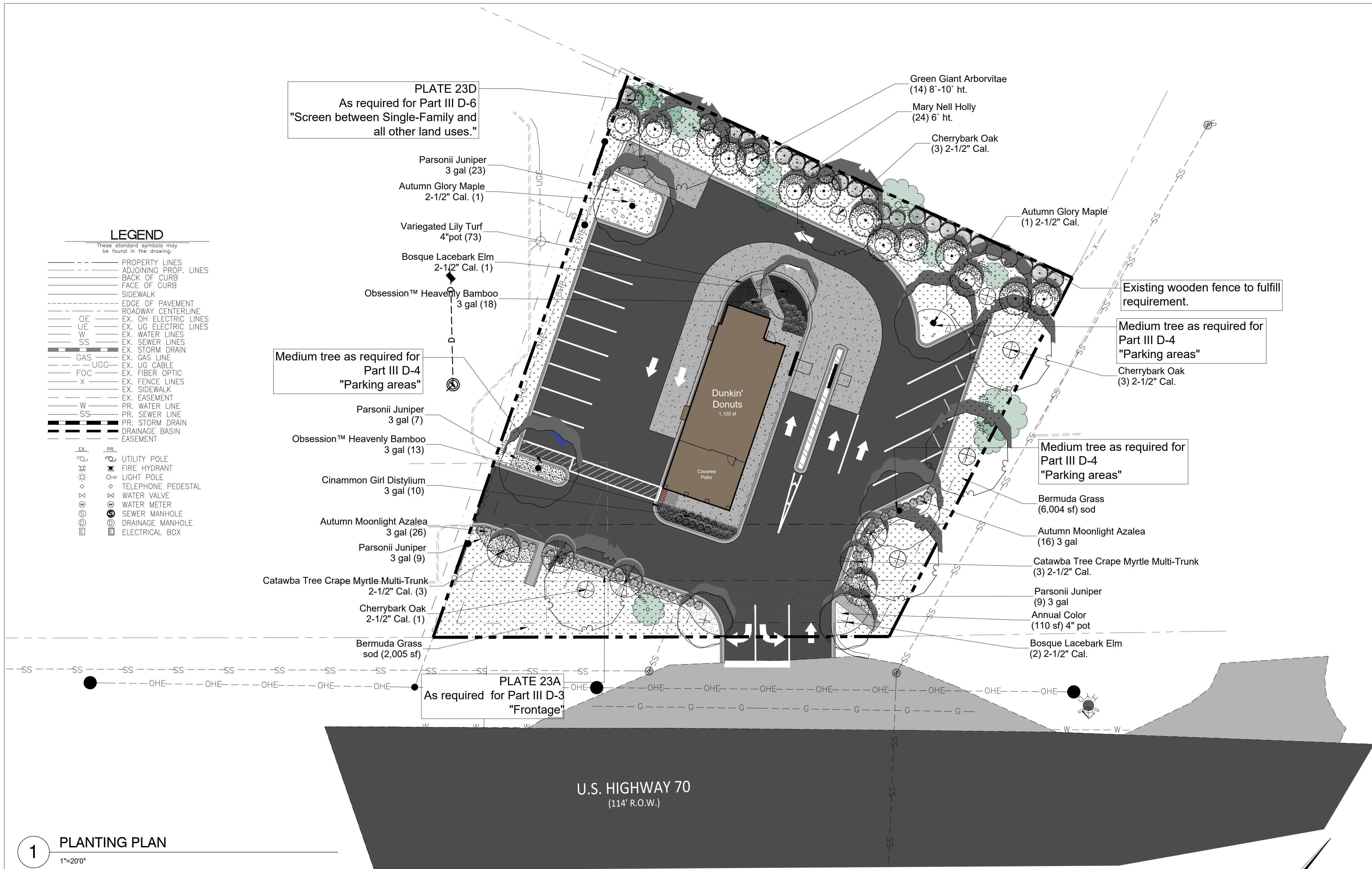
- #### 4. Screen between Single-Family Residential and All Other Land Uses

A twenty-foot-deep (20') landscape screen, Plate 23D, shall be provided at the boundary between single-family residential use (or zoning, if the land is vacant) and all other land uses, on the property of the other use.

- a. The landscape screen shall have the following configurations:
 - 6' wood fence at the property line, with 2' square brick or stone columns at not more than 20' on centers, including at the property corners of the adjacent residential lots. Spacing of the brick or stone columns shall be determined in the same manner as in Article VI, Section 19, Fences, part F.6.
 - Face of the columns and face of the fence flush at the residential property line. The fence shall be of shadowbox design unless a solid fence, with the smooth side toward the single-family-residential use, is approved by the Design Review Commission.
 - Large evergreen shrubs at 6' on centers.
 - Large-density deciduous shade trees, 2 ½" caliper, at 50' on centers.
 - Between each pair of large-density trees, five (5) evergreen trees at 12' on centers (double rows, offset), 6' - 8' height when planted.

Landscape Plan
prepared by BHD, LLC,
Mark Levy, PLA

REVISION				DIVISION OF ENGINEERING		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE		LANDSCAPE PLAN		
	Landscape Plan change due layout	11/29/2023		BARTLETT, TN		
BARTLETT DUNKIN' DONUTS				SURVEY: HARRIS & ASSOCIATES		
LOT 3 OF CORNER LOTS OF HIGHWAY 70 SUBDIVISION				DATE: 05/16/2023		
OWNER: BARTLETT DONUT HOLDINGS, LLC				PROJECT NO.: ----		
ENGINEER: GRANBERRY & ASSOCIATES, LLC				DATE: 11/06/2023		
				BOOK:		
				DATE: 11/06/2023		
				SCALE: 1"=20'		



1 PLANTING PLAN

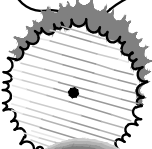
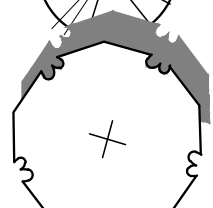
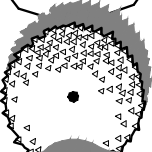
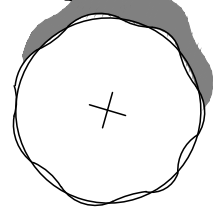
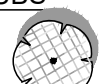
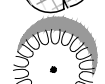
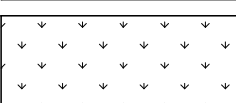
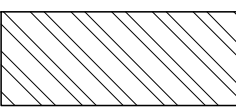
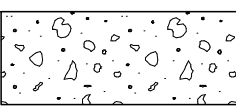
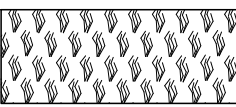
1. Tree locations does not take into account underground utilities and site lighting. Field adjustments may be necessary as to not conflict with utilities, overhead site lighting, & other site related elements. Any changes need prior approval by landscape architect.
2. Contractor to identify & clearly mark all utilities prior to work. Trees & shrubs are not to be planted in locations as to conflict with utilities. Any damage to utilities shall be contractors responsibility to repair or replace at no additional cost to owner.
3. All canopies trees in vehicular use areas & along walks shall be limbed up to a height of 8' to allow for clear views & movement underneath.
4. Verify all quantities on site to be certain plants fill area to be landscaped prior to any installation.
5. All work under this contract shall be guaranteed by landscape contractor to be free from defects in material & workmanship for a period of one calendar year or one full growing season, whichever is longer.
6. This one year period will begin from date of final acceptance by owner, except as otherwise agreed in writing by all parties to contract.
7. Theft, violent weather, & drought damage are the responsibility of landscape contractor, until final completion is given.
8. Contractor is responsible for replacing all plant material that dies within one year after planting with plant material of the required size within thirty days of the plant material's death. This period may be extended if weather conditions inhibit installation of new plant materials.
9. Construct mulch rings around base of all individual plantings in lawn areas to a width of 5' in dia. around trees.
10. Mulch all plantings with pine straw mulching material, unless noted on plan as hardwood mulch island area. Install min. 4" deep in shrub & groundcover plantings and 4" deep at trees & pit plantings, & continuous mulch zones. Where the plan specifies hardwood mulch, mulch to 3" depth. Please note that all existing planting bed areas, even when new shrubs or trees are not planted, will receive 4" of fresh pine straw mulch.
11. Spade edge all bedlines adjacent to turf areas. Lines should be true to form as shown and non-wavering.
12. Trees & large shrubs must be adequately supported, when necessary, to insure proper growth; & support removed when trees and shrubs are established.
13. Appropriate measures shall be taken to ensure that any landscaped area shall not be encroached upon by any type of vehicle. All landscaped areas must be protected by an approved encroachment barrier, or bumper stop. A vehicle may overhang a landscaped area, provided that a minimum width of four feet in landscaped area remains.
14. All landscaping soil & fill must be maintained and reasonably free from weeds, refuse, & debris at all times.
15. All landscape islands in parking area are to be excavated & filled with an approved topsoil to a minimum depth of eighteen inches for shrub plantings & three feet for tree plantings. Soil is to be prepared per details upon topsoil installation.
16. Plant shade trees a minimum of 6' away from utility lines---including water and sewer.

1. Contractor is responsible for removing existing plant material that conflicts with new plants. Some areas calling for new plant material is currently vacant, some areas will require removal. In the removal areas, all existing plant material, including roots, should be removed and backfilled as necessary. The contractor is responsible for including removal in pricing.
2. No plant material should be planted closer than 5' from the foundation of buildings and 4' from the back of curb. The outer edge of the plant should not be expected to grown closer than 4' from any structure.
3. The location of ornamental trees may be relocated if conflicting with security surveillance system. Contractor is responsible for contacting the landscape architect if conflict occurs.
4. If there is a discrepancy between the actual conditions and the drawing, the landscape contractor should contact the landscape architect prior to installation.
5. All planting beds, even those without new plantings, should receive 5" of fresh pinestraw mulch.

GENERAL LANDSCAPE NOTES

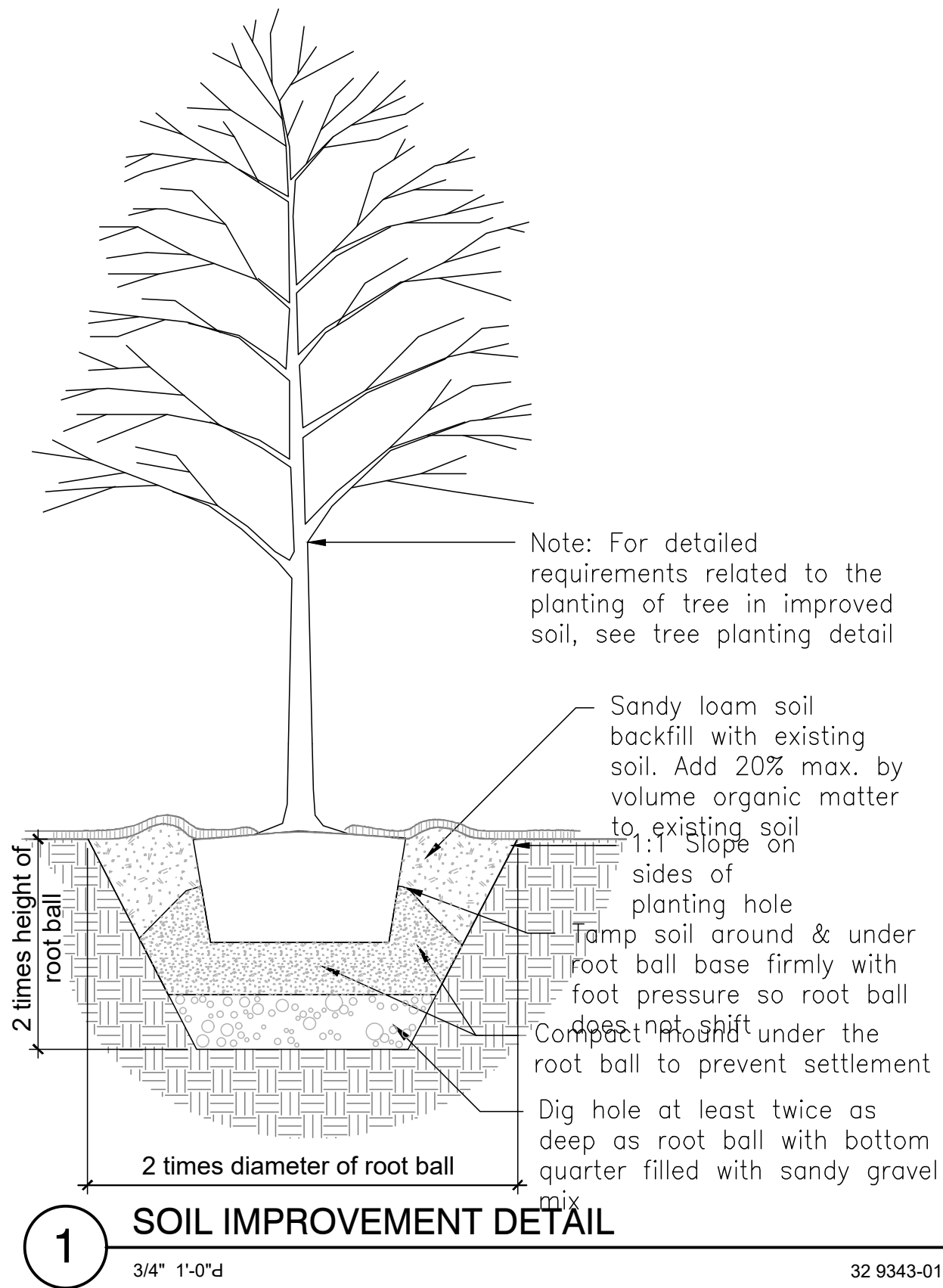
1. Tree locations does not take into account underground utilities and site lighting. Field adjustments may be necessary as to not conflict with utilities, overhead site lighting, & other site related elements. Any changes need prior approval by landscape architect.
2. Contractor to identify & clearly mark all utilities prior to work. Trees & shrubs are not to be planted in locations as to conflict with utilities. Any damage to utilities shall be contractors responsibility to repair or replace at no additional cost to owner.
3. All canopies trees in vehicular use areas & along walks shall be limbed up to a height of 6' to allow for clear views & movement underneath.
4. Verify all quantities on site to be certain plants fill area to be landscaped prior to any installation.
5. All work under this contract shall be guaranteed by landscape contractor to be free from defects in material & workmanship for a period of one calendar year or one full growing season, whichever is longer.
6. This one year period will begin from date of final acceptance by owner, except as otherwise agreed in writing by all parties to contract.
7. Theft, violent weather, & drought damage are the responsibility of landscape contractor, until final completion is given.
8. Contractor is responsible for replacing all plant material that dies within one year after planting with plant material of the required size within thirty days of the plant material's death. This period may be extended if weather conditions inhibit installation of new plant materials.
9. Construct mulch rings around base of all individual plantings in lawn areas to a width of 5' in dia. around trees.
10. Mulch all plantings with pinestraw mulching material, unless otherwise noted. Install min. 4" deep in shrub & groundcover plantings and 3-4" deep at trees & pit plantings, & continuous mulch zones.
11. Spade edge all bedlines adjacent to turf areas. Lines should be true to form as shown and non-wavering.
12. Trees & large shrubs must be adequately supported, when necessary, to insure proper growth; & support removed when trees and shrubs are established.
13. Appropriate measures shall be taken to ensure that any landscaped area shall not be encroached upon by any type of vehicle. All landscaped areas must be protected by an approved encroachment barrier, or bumper stop. A vehicle may overhang a landscaped area, provided that a minimum width of four feet in landscaped area remains.
14. All landscaping soil & fill must be maintained and reasonably free from weeds, refuse, & debris at all times.
15. All landscape islands in parking area are to be excavated & filled with an approved topsoil to a minimum depth of eighteen inches for shrub plantings & three feet for tree plantings. Soil is to be prepared per details upon topsoil installation.
16. Plant shade trees a minimum of 6' away from utility lines---including water and sewer.

PLANT SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT	QTY	
TREES				
	ACER RUBRUM 'AUTUMN GLORY' / AUTUMN GLORY MAPLE	2" CALIPER	4	
	ILEX X 'MARY NELL' / MARY NELL HOLLY	6' HT.	26	
	LAGERSTROEMIA INDICA 'CATAWBA' / CATAWBA TREE CRAPE MYRTLE MULTI-TRUNK	2-1/2" CAL.	6	
	QUERCUS FALCATA PAGODIFOLIA / CHERRYBARK OAK	2-1/2" CAL.	7	
	THUJA OCCIDENTALIS 'GREEN GIANT' / GREEN GIANT ARBORVITAE	8'-10' HT.	14	
	ULMUS PARVIFOLIA 'UPMTF'™ / BOSQUE LACEBARK ELM	2-1/2" CAL.	3	
SYMBOL	BOTANICAL / COMMON NAME	SIZE	QTY	
SHRUBS				
	AZALEA ENCORE 'AUTUMN MOONLIGHT'™ / AUTUMN MOONLIGHT AZALEA	3 GAL	42	
	DISTYLIUM X DISTYLIUM 'CINAMMON GIRL' / CINAMMON GIRL DISTYLIUM	3 GAL	10	
	NANDINA DOMESTICA 'SEIKA' / OBSESSION™ HEAVENLY BAMBOO	3 GAL	31	
SYMBOL	BOTANICAL / COMMON NAME	CONT	SPACING	QTY
GROUND COVERS				
	ANNUAL COLOR / ANNUAL COLOR	4" POT	12" o.c.	116
	CYNODON DACTYLON 'TIF 419' / BERMUDA GRASS	SOD		8,012 SF
	JUNIPERUS CONFERTA 'BLUE PACIFIC' / BLUE PACIFIC JUNIPER	1 GAL	30" o.c.	10
	JUNIPERUS SQUAMATA EXPANSA 'PARSONII' / PARSONII JUNIPER	3 GAL	45" o.c.	56
	LIRIOPE MUSCARI 'VARIEGATA' / VARIEGATED LILY TURF	4"POT	12" o.c.	163

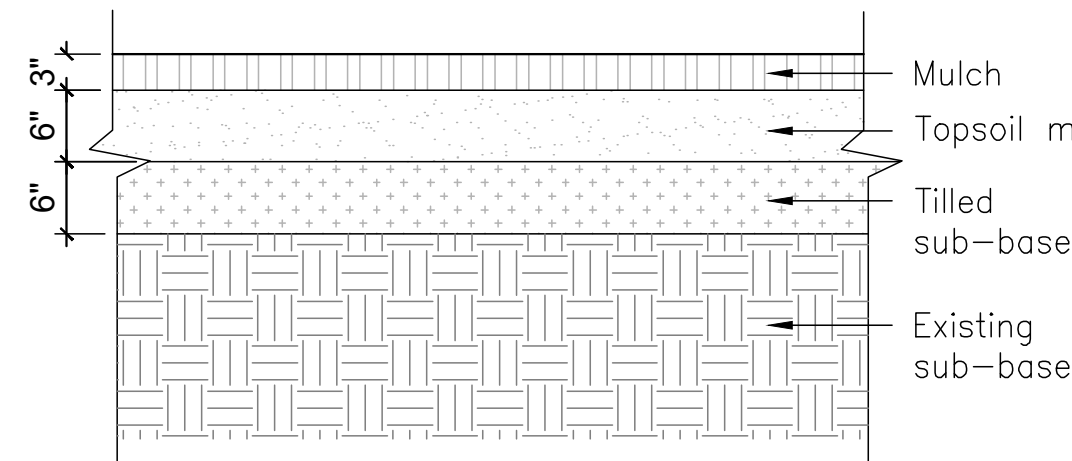
1 PLANT SCHEDULE

1"=20'0"-d



1 SOIL IMPROVEMENT DETAIL

32 9343-01

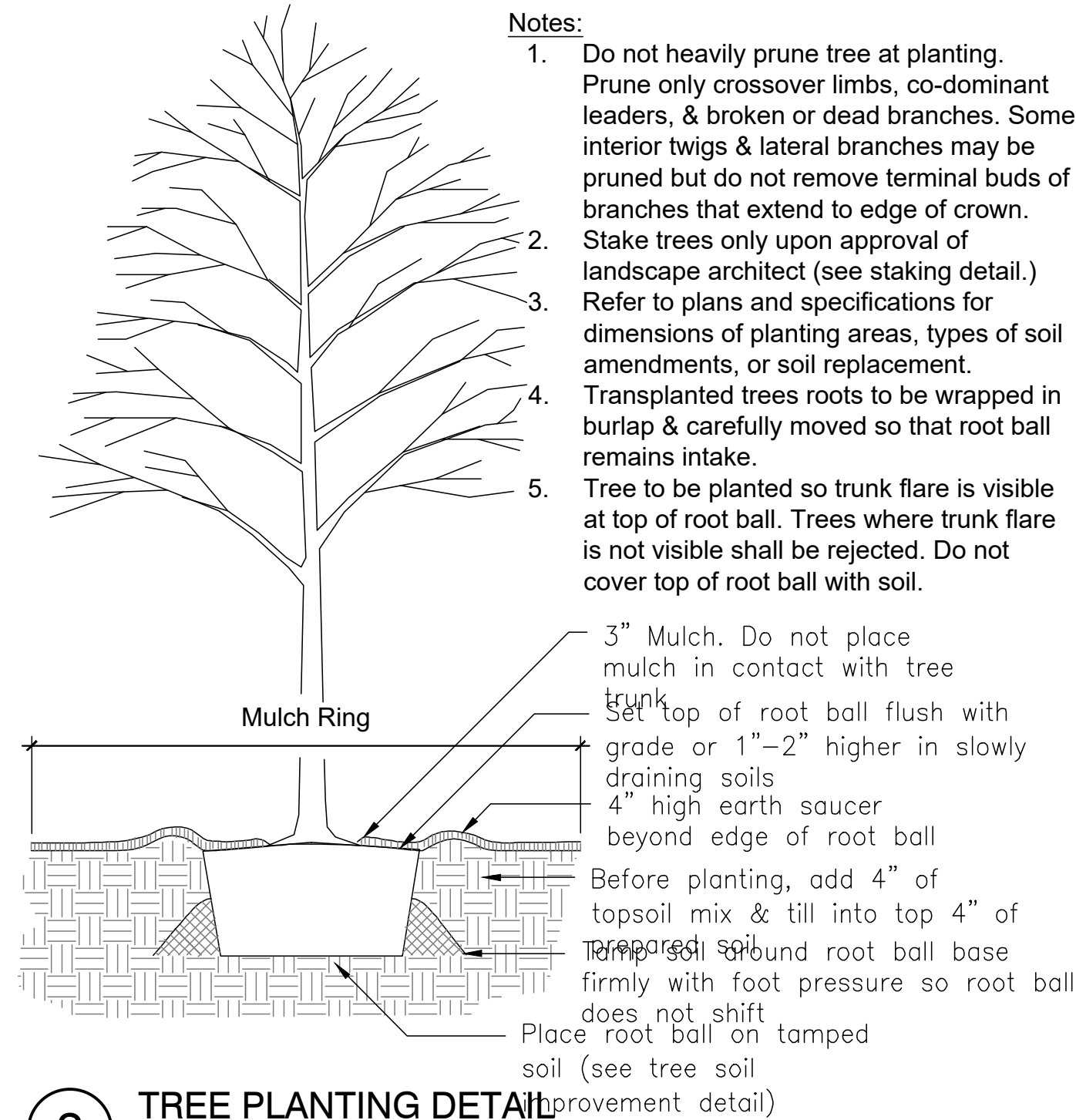


2 PLANTING BED DETAIL

32 93-01

2 PLANTING DETAILS

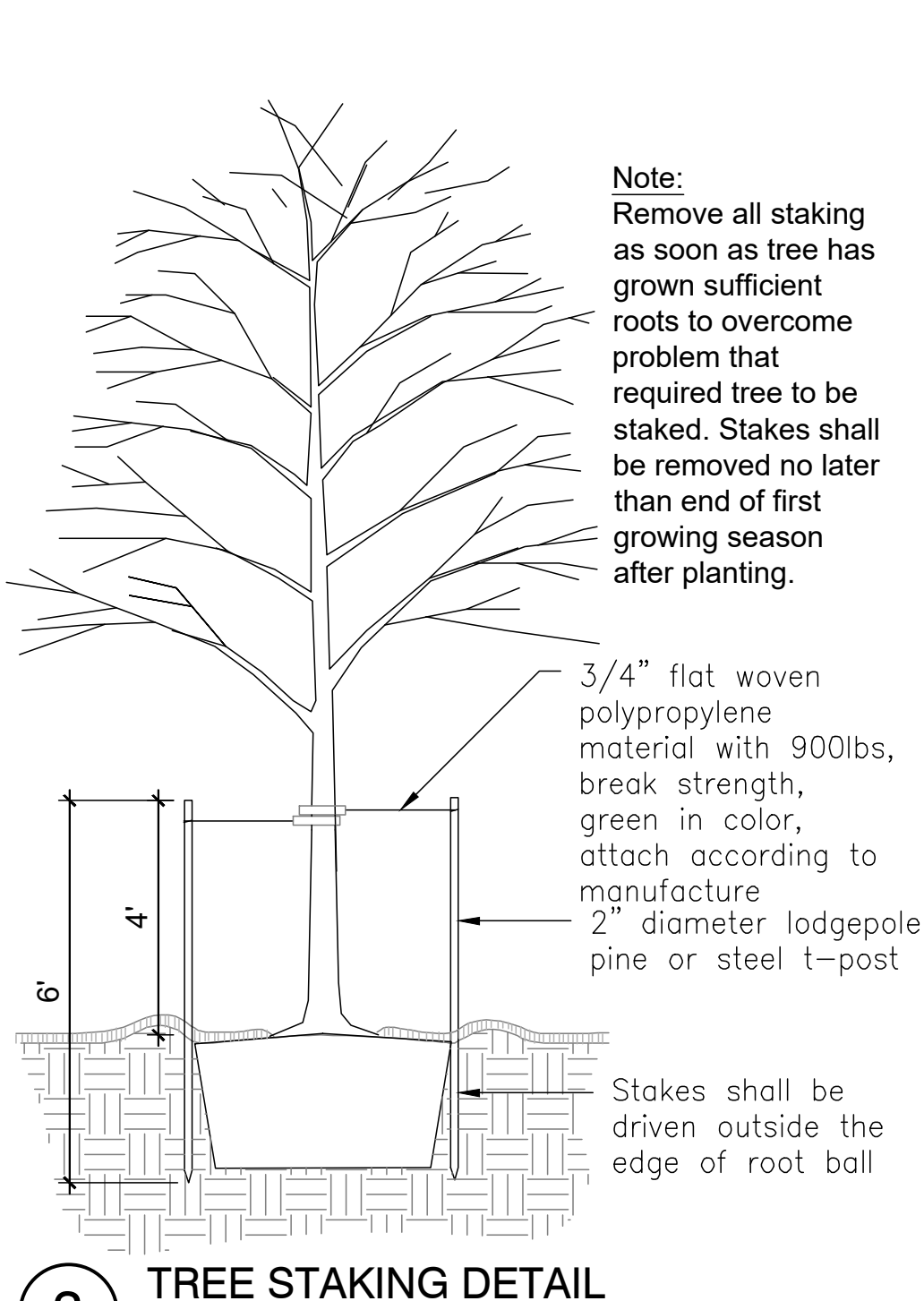
As shown



2 TREE PLANTING DETAIL

3/4" 1'-0"-d

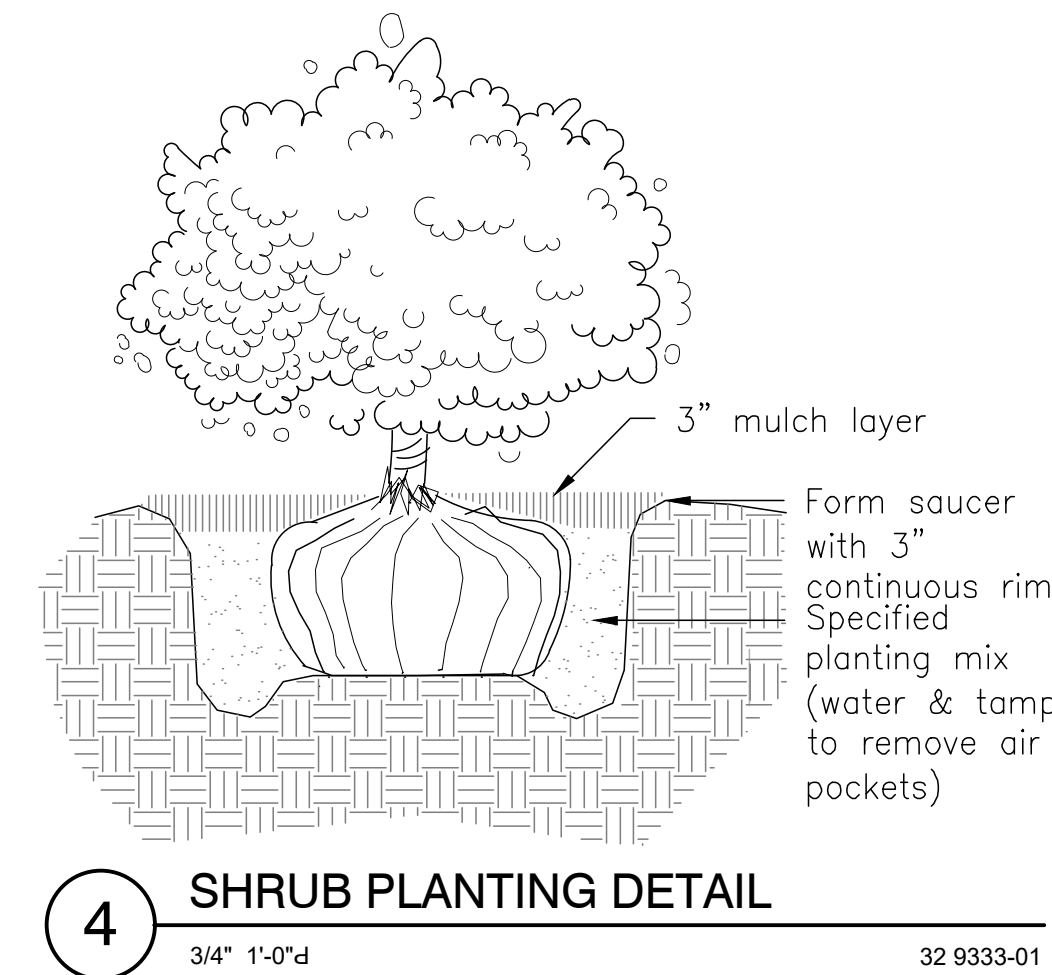
32 9343-02



3 TREE STAKING DETAIL

3/4" 1'-0"-d

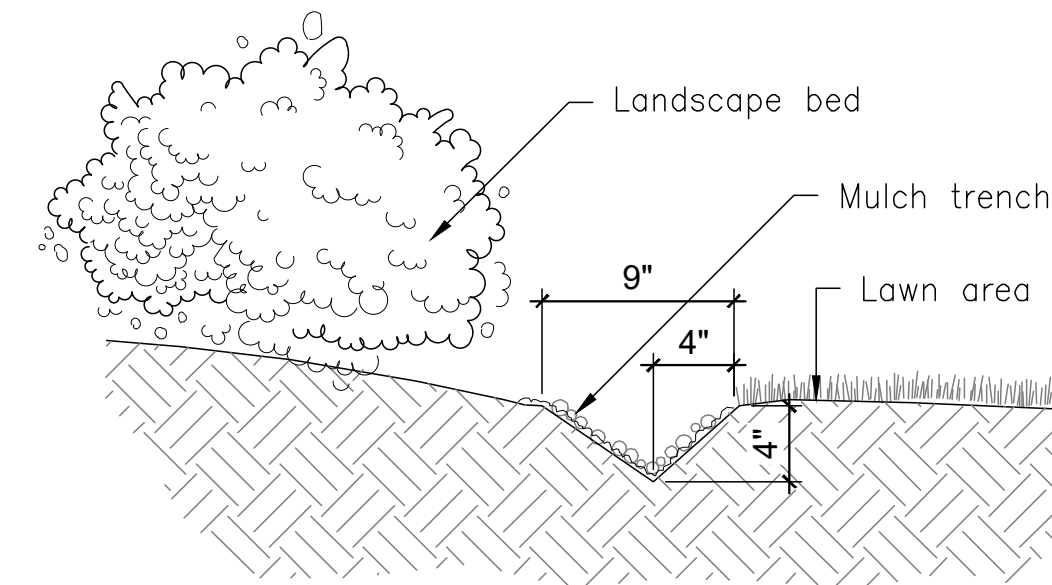
32 9343-03



4 SHRUB PLANTING DETAIL

3/4" 1'-0"-d

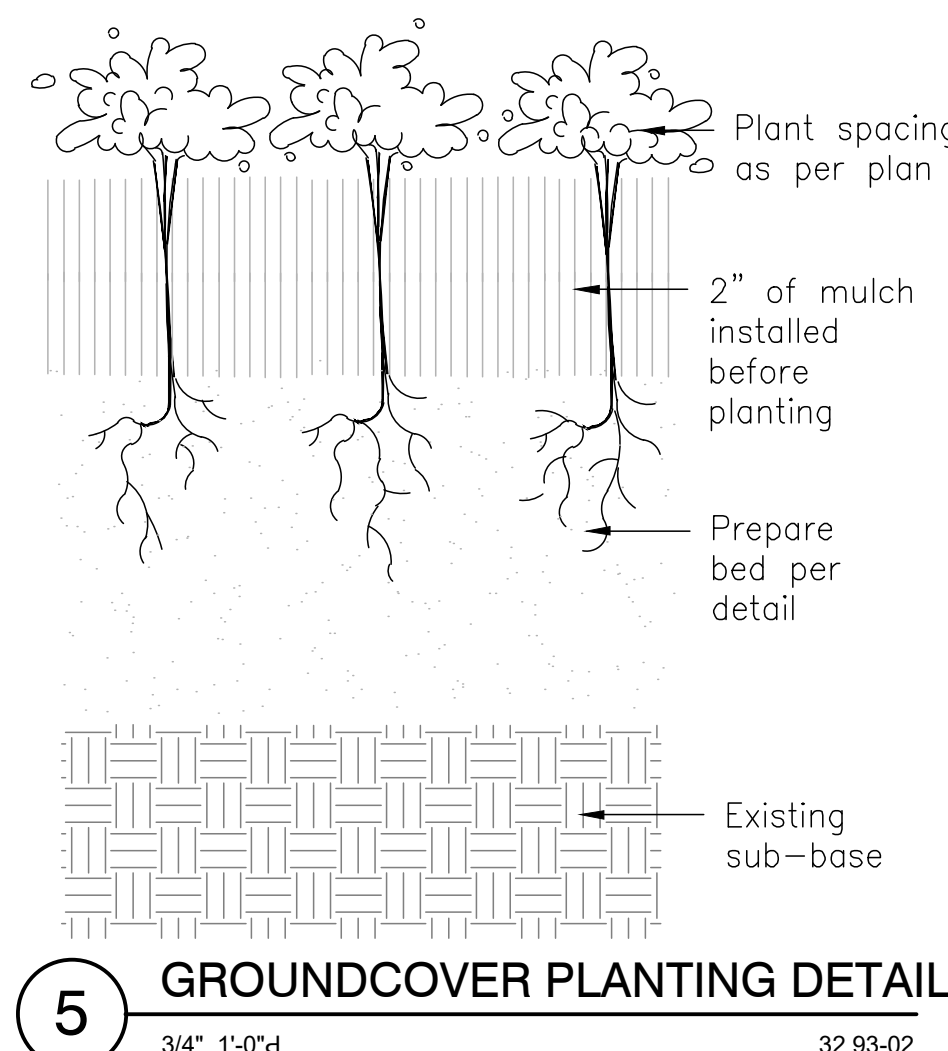
32 9333-01



7 BED EDGE DETAIL

1" 1'-0"-d

32 93-03



5 GROUNDCOVER PLANTING DETAIL

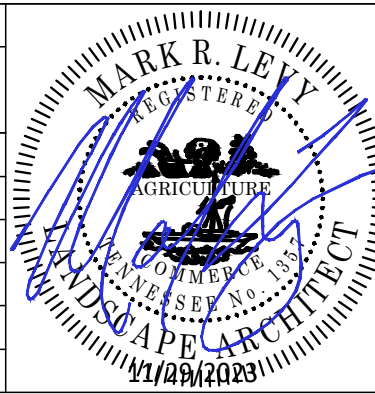
3/4" 1'-0"-d

32 93-02

Landscape Plan
prepared by BHD, LLC,
Mark Levy, PLA

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
	Landscape Details change	11/29/2023

BARTLETT DUNKIN' DONUTS
LOT 3 OF CORNER LOTS OF HIGHWAY 70 SUBDIVISION
OWNER: BARTLETT DONUT HOLDINGS, LLC
ENGINEER: GRANBERRY & ASSOCIATES, LLC



DIVISION OF ENGINEERING

LANDSCAPE DETAILS

BARTLETT, TN

SURVEY: HARRIS & ASSOCIATES
DESIGN BY: J. GRANBERRY, P.E.
DRAWN BY: M. LEVY, PLA
DATE: 05/16/2023
DATE: 11/06/2023
DATE: 11/06/2023
PROJECT NO.: ----
BOOK:
SCALE: Varies

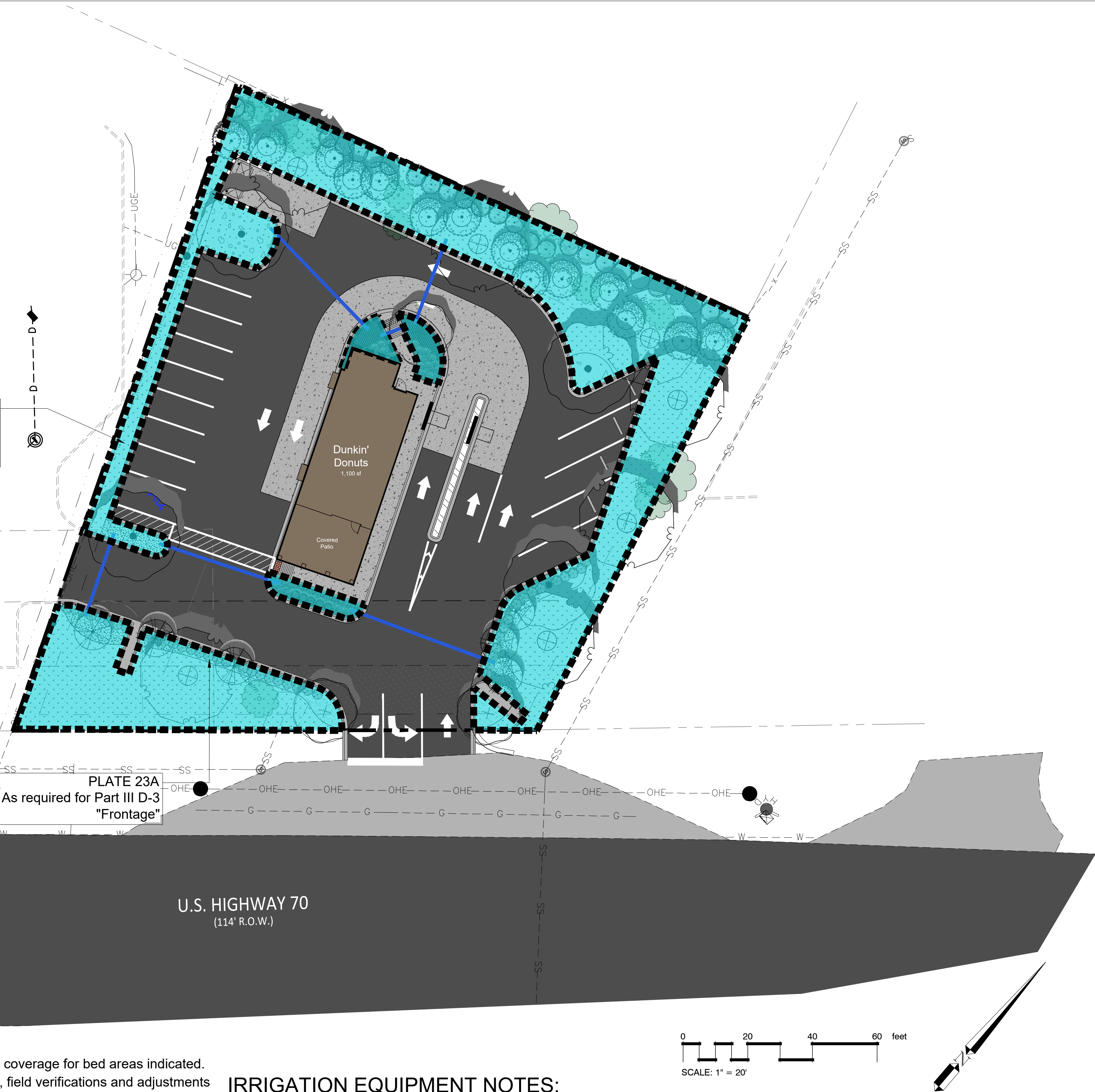
Legend

- Areas to be irrigated during construction
- Location of 4" schedule 40 PVC pipe

Irrigation contractor to provide overlapping spray irrigation to all new planting bed areas indicated on this plan. Contractor to provide shop drawings of head location and line size to landscape contractor for approval. As-built drawings to be required upon completion.

LEGEND	
These standard symbols may be found in the drawing.	
---	PROPERTY LINES
---	ADJOINING PROP. LINES
---	BACK OF CURB
---	FACE OF CURB
---	SIDEWALK
---	EDGE OF PAVEMENT
---	ROADWAY CENTERLINE
---	EX. OH ELECTRIC LINES
---	EX. UG ELECTRIC LINES
---	EX. WATER LINES
---	EX. SEWER LINES
---	EX. STORM DRAIN
---	EX. GAS LINE
---	EX. UG CABLE
---	EX. FIBER OPTIC
---	EX. FENCE LINES
---	EX. SIDEWALK
---	EX. EASEMENT
---	PR. WATER LINE
---	PR. SEWER LINE
---	PR. STORM DRAIN
---	DRAINAGE BASIN
---	EASEMENT
---	UTILITY POLE
---	FIRE HYDRANT
---	LIGHT POLE
---	TELEPHONE PEDESTAL
---	WATER VALVE
---	WATER METER
---	SEWER MANHOLE
---	DRAINAGE MANHOLE
---	ELECTRICAL BOX

Contractor to provide shop drawings for required irrigation as per, Part III D-5-f "Irrigation"



GENERAL IRRIGATION NOTES:

- This plan represents a basis for design. The ultimate goal is to have 100% coverage for bed areas indicated. Due to existing conditions, available water supply and unknown conditions, field verifications and adjustments are critical. Please contact the landscape architect if questions or conflicts arise.
- Point of Connection location is schematic for the purposes of this design. Exact location is to be coordinated with owner and landscape architect.
- Contractor is responsible for all cost of associated with the installation of a fully operational irrigation system with no additional cost to the project.
- Operating pressure and flow are to be verified by the irrigation contractor. Any discrepancies are to be reported to the landscape architect before proceeding with the work. It is the contractors responsibility to ensure that system operates properly.
- Irrigation Contractor is responsible for bores, sleeves, or penetrations related to the irrigation.
- Mainline piping shall be installed at a minimum of 12". Lateral lines shall be installed at a minimum depth of 12". All lines under asphalt shall be installed at a minimum depth of 18".
- Splices are not allowed in trench. Install wires a minimum of 10" below grade.
- Provide "as-built" drawings showing all components of the system prior to final payment.
- ALL EXISTING UTILITIES, WHETHER THEY ARE SHOWN ON THESE DOCUMENTS OR NOT, WHICH NEED TO BE REMOVED, RELOCATED, OR ADJUSTED SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR.
- Contractor is responsible for all fees related to meter installation and permits.
- All bidders shall visit and review the site and familiarize themselves with the site prior to submitting a bid.
- Thoroughly flush all lines prior to the operation of the sprinkler heads.

IRRIGATION EQUIPMENT NOTES:

- All heads to be Rain Bird 1812 Series with 12" pop-ups or approved equal.
- Swing joints are to be Rainbird 1 1/2" with street elbows at both ends.
- All electric valves are to be Rainbird PGA Series or an approved equal.
- Shut-off valve to be 2" or greater depending on system requirements and to be installed on meter side of control valve.
- Controller to be Rainbird ESPLXM2 controller or an approved equal and is to be mounted on wall adjacent to power source. Coordinate exact location with Owner/Landscape Architect.
- Grease filled wire connectors shall be used for the electrical connections at the valves for waterproofing purposes.

IRRIGATION INSTALLATION NOTES:

- All components to be installed as per manufacturers recommendations.
- All heads to be installed flush with finished grade.
- Sprinklers to be adjusted to avoid over-spray onto non-irrigated areas.
- Sprinklers to be installed 12" from foundations and 2" from hardscape.
- All piping to be flushed prior to to installation of heads.
- All valves to be in landscape area out of high traffic areas.
- All pipes shall be installed at a minimum of 18" in depth
- All trenching to be outside of tree drip line if possible.
- No rocks, or other sharp objects to be in trench backfill.
- Valves and valve box areas should be lined with filter fabric and a minimum of 3" of gravel underneath the valve.
- In the following order: bottom of trench (area of valve), fabric covering the area including side walls, gravel, valves.
- All electrical work must meet state and local codes.

CITY OF BARTLETT CODE OF ORDINANCES

Section 23 Trees and Landscape Ordinance
Excerpt from Part III Construction Requirements and Approvals.

- Frontage planting area
On all street frontages, a landscaped depth of at least twenty (20) feet from the right-of-way line shall be provided, with or without berms, depending on topography. Plates 23A, 23B, and 23C shall be used as guidelines for planting patterns. The landscaped depth may be increased and the Plates adjusted to accommodate overhead wires in accordance with part III.A.2, "Protection of Overhead and Other Utilities."
- Parking areas
 - A maximum of fifteen (15) parking spaces shall be allowed between planting islands along the street frontage.
 - A mixture of shrubs, deciduous as well as evergreen, shall be provided.
 - A planting island shall have a minimum area of 400 square feet for a large density tree (20' square or 22.5' diameter), 300 square feet for a medium density tree (17.3' square or 19.5' diameter), and 200 square feet for a small density tree (14.1' square or 16' diameter).
 - All parking spaces shall be within a maximum distance of seventy- five feet (75') from a tree.
- Green/open space generally
 - A minimum of thirty-five percent (35%) of the total land area of the lot, excluding building footprints and pavement, shall be in green/open space.
 - Green/open space shall be distributed over the lot in proportion to the land areas between the building and the property lines.
 - Where land will be subdivided in a manner that distribution of green/open space required under 5.a and 5.b above on each lot is impractical, such distribution may be approved through submittal and approval by the Planning Commission of a Master Plan for compliance with these requirements over the entirety of the property to be developed.
 - Trees shall be planted in green/open space in accordance with part III.E, "Site Plan Review."
 - One percent (1%) of the green/open space shall be planted in seasonal color.
 - Irrigation of the green/open space shall be required on the site of construction of a new building. Installation of irrigation shall not be required on the site of change of occupancy or additions to or renovation of an existing building.

The irrigation system shall be in compliance with the following:

- Automatic controlled with timer.
- Sufficient coverage of all landscaped areas.
- Shall not spray onto paved areas, including sidewalks, driveways, streets, and parking and loading areas.
- Equipped with a reduced pressure principle backflow prevention device, which shall be inspected annually by a certified tester.
- Low-volume water conservation measures encouraged.

For a site with a landscaped area small enough that it can be maintained without an irrigation system, the irrigation requirement may be waived by the Board of Mayor and Aldermen upon submittal in the landscaping plan of reasonable alternative means of watering the area.

Drought-tolerant plant materials are encouraged.

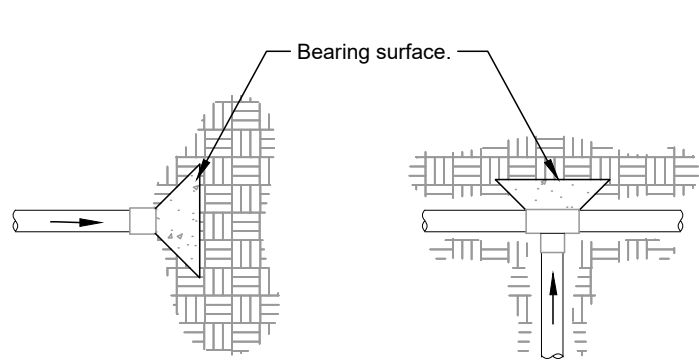
4. Screen between Single-Family Residential and All Other Land Uses

A twenty-foot-deep (20') landscape screen, Plate 23D, shall be provided at the boundary between single-family residential use (or zoning, if the land is vacant) and all other land uses, on the property of the other use.

- The landscape screen shall have the following configuration:
 - 6' wood fence at the property line, with 2' square brick or stone columns at not more than 20' on centers, including at the property corners of the adjacent residential lots. Spacing of the brick or stone columns shall be determined in the same manner as in Article VI, Section 19, Fences, part F.6.
 - Face of the columns and face of the fence flush at the residential property line.
 - The fence shall be of shadowbox design unless a solid fence, with the smooth side toward the single-family-residential use, is approved by the Design Review Commission.
 - Large evergreen shrubs at 6' on centers.
 - Large-density deciduous shade trees, 2 1/2" caliper, at 50' on centers.
 - Between each pair of large-density trees, five (5) evergreen trees at 12' on centers (double rows, offset), 6' - 8' height when planted.

Landscape Plan
prepared by BHD, LLC,
Mark Levy, PLA

REVISION			DIVISION OF ENGINEERING		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE	IRRIGATION PLAN		
	Irrigation Plan change due layout	11/29/2023	BARTLETT, TN		
			BARTLETT DUNKIN' DONUTS		
			LOT 3 OF CORNER LOTS OF HIGHWAY 70 SUBDIVISION		
			OWNER: BARTLETT DONUT HOLDINGS, LLC		
			ENGINEER: GRANBERRY & ASSOCIATES, LLC		
			SURVEY: HARRIS & ASSOCIATES		
			DESIGN BY: J. GRANBERRY, P.E.		
			DRAWN BY: M. LEVY, PLA		
			DATE: 05/16/2023		
			DATE: 11/06/2023		
			DATE: 11/06/2023		
			PROJECT NO.: ----		
			BOOK:		
			SCALE: 1"=20'		

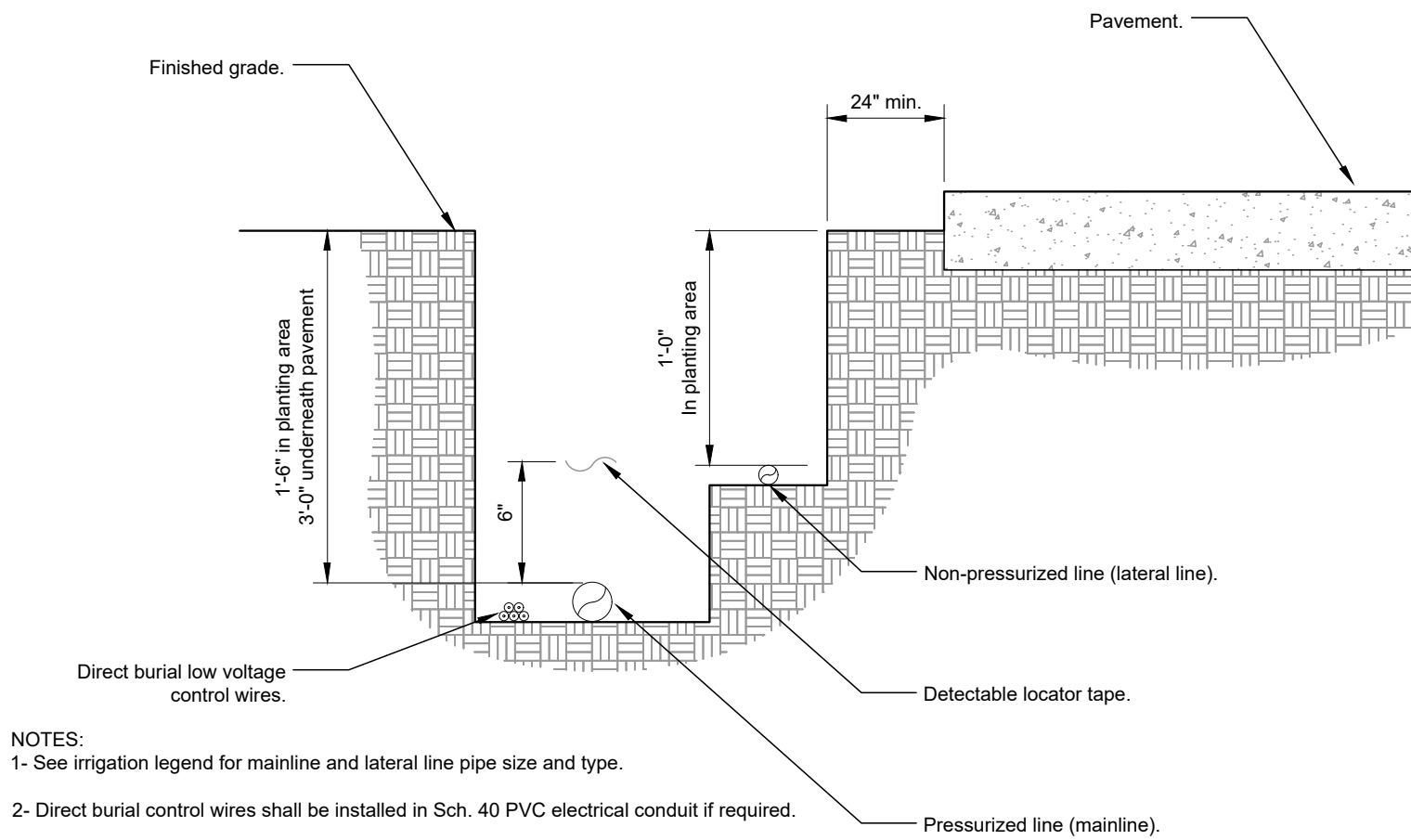


MINIMUM BEARING SURFACE AREA			
PIPE SIZE	TEE AND PLUG	90° BEND	45° BEND
1-1/2"	0.45 FEET ²	0.63 FEET ²	0.34 FEET ²
2"	0.69 FEET ²	0.97 FEET ²	0.53 FEET ²
2-1/2"	1.0 FEET ²	1.41 FEET ²	0.77 FEET ²
3"	1.48 FEET ²	2.10 FEET ²	1.14 FEET ²
4"	2.43 FEET ²	3.45 FEET ²	1.87 FEET ²
6"	5.25 FEET ²	7.41 FEET ²	4.02 FEET ²
8"	9.08 FEET ²	12.83 FEET ²	6.96 FEET ²
10"	14.93 FEET ²	21.07 FEET ²	11.44 FEET ²

- Notes:
- 1- Size thrust blocks shall be specified as show in the table above.
 - 2- Control wires shall not be encased in concrete.
 - 3- All fittings shall be wrapped with polyethylene to prevent concrete from adhering to pipe, fittings or bolts.
 - 4- Joints and bolts shall be accessible for repairs.
 - 5- Thrust blocks shall be a minimum of 6" thick.
 - 6- One 80 lbs. sack of concrete shall cover .6 ft.²

1 THRUST BLOCK

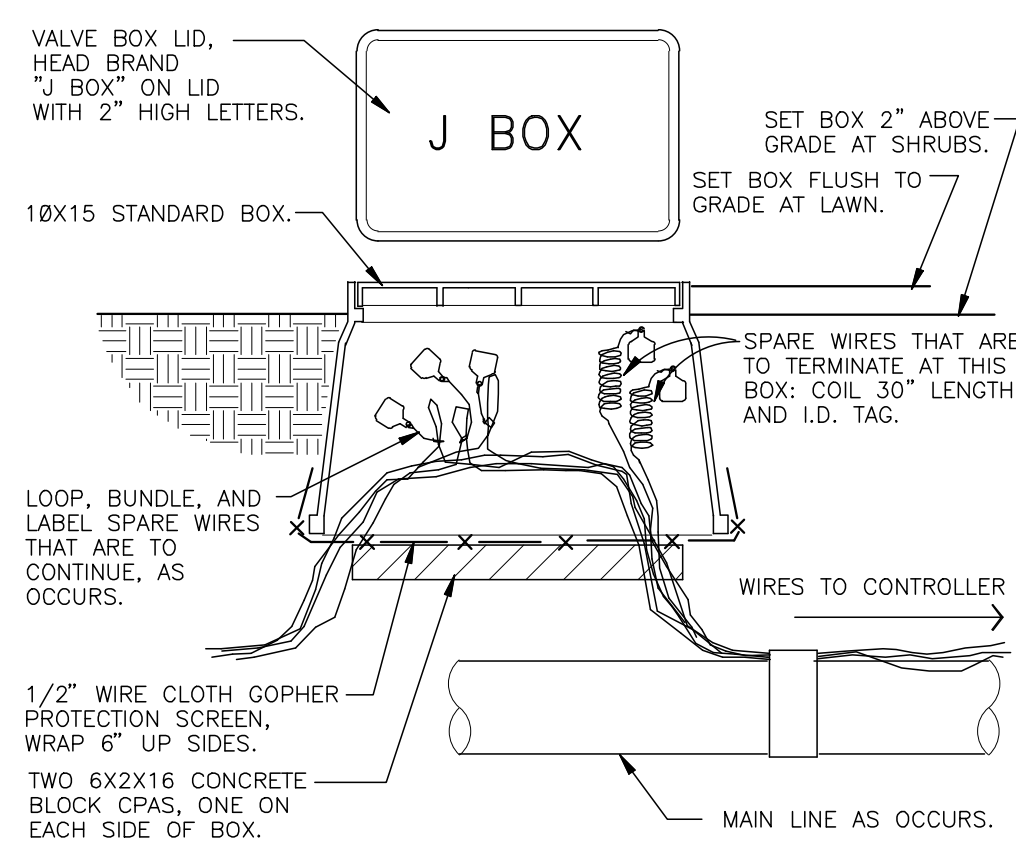
1 1/2" 1'-0"d



- NOTES:
- 1- See irrigation legend for mainline and lateral line pipe size and type.
 - 2- Direct burial control wires shall be installed in Sch. 40 PVC electrical conduit if required.
 - 3- 2-wire irrigation wire shall be installed in Sch. 40 PVC electrical conduit.
 - 4- Detectable locator tape shall be located six inches (6") above the entire mainline run.

2 IRRIGATION TRENCHING

1 1/2" 1'-0"d

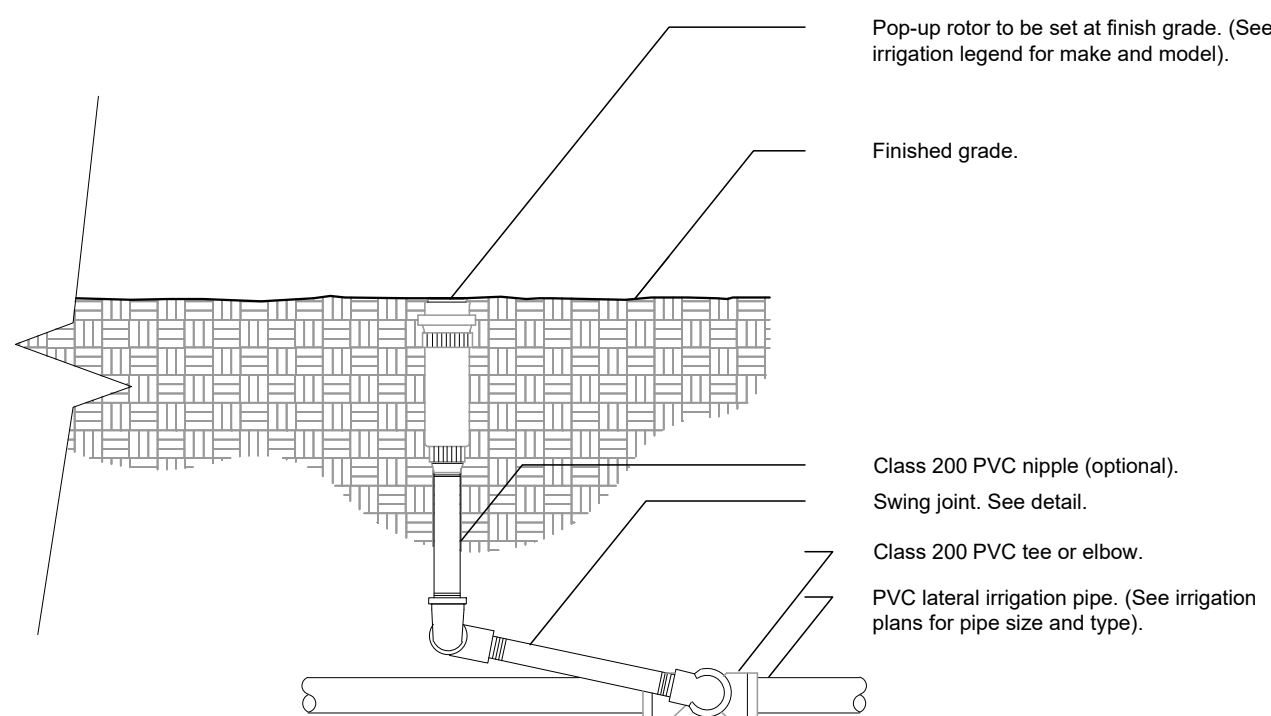


3 WIRE BUNDLE JUNCTION BOX

1 1/2" 1'-0"d

4 WALL MOUNTED CONTROLLER

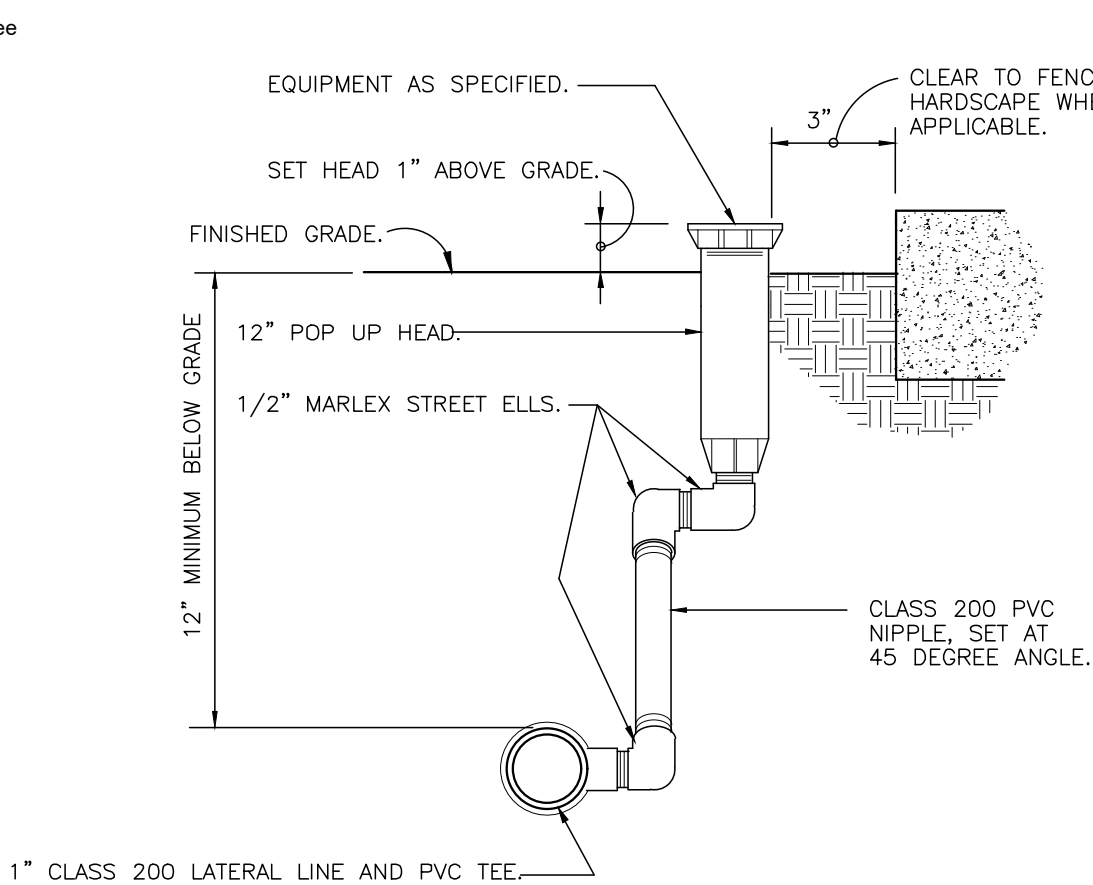
1/2" 1'-0"d



- Notes:
- 1- All threaded connection points between class 200 pvc fittings shall be installed using teflon tape.
 - 2- Contractor shall compact soil around rotor and riser prior to planting, plugging, seeding, or laying of sod.

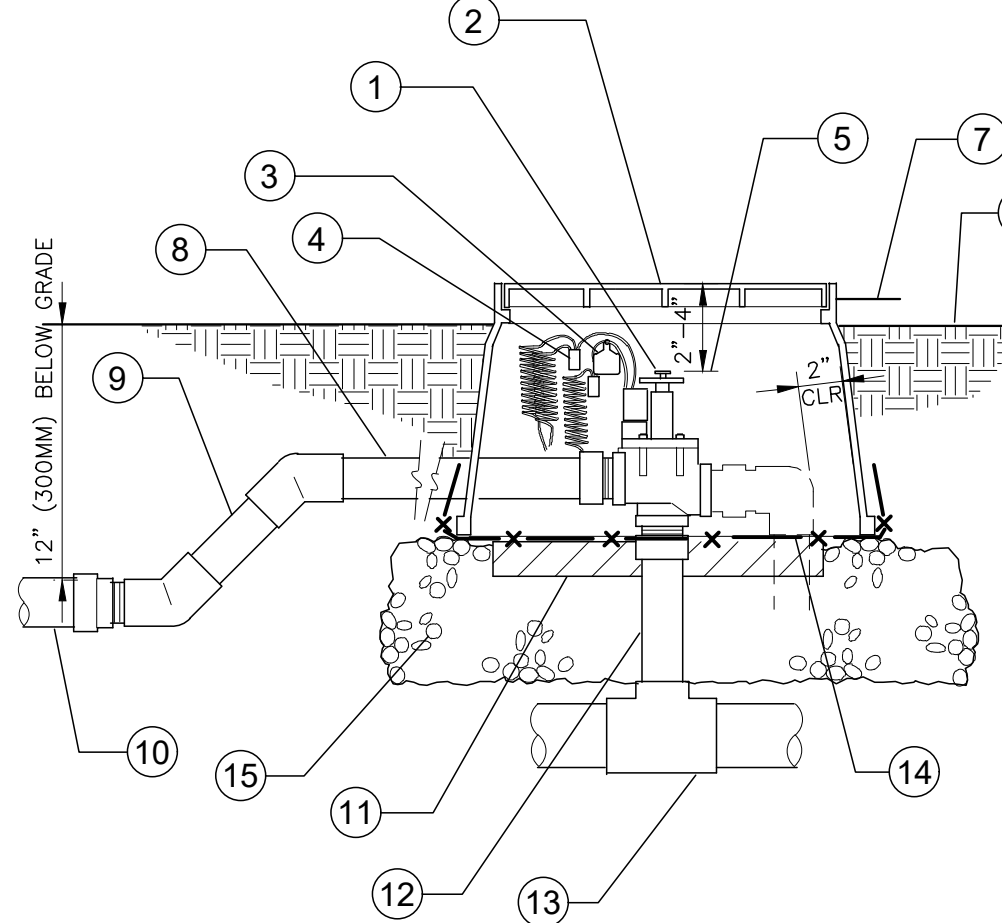
5 ROTOR SPRAYHEAD

1 1/2" 1'-0"d



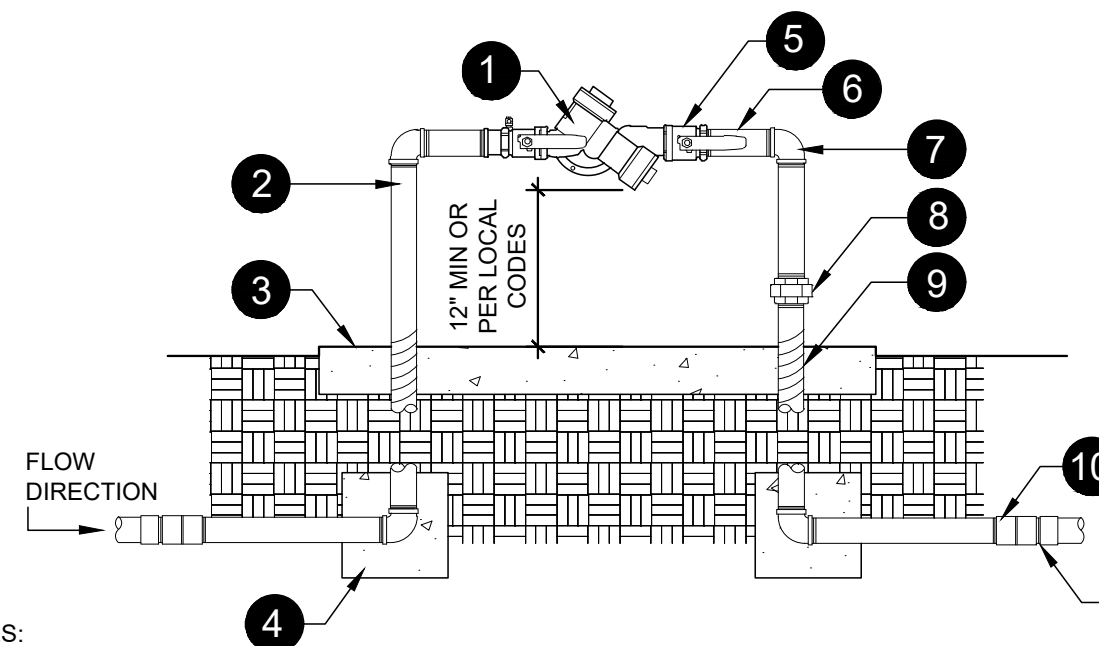
6 SHRUB SPRAY 12" POPUP W/MARLEX

3" 1'-0"d



7 REMOTE CONTROL VALVE

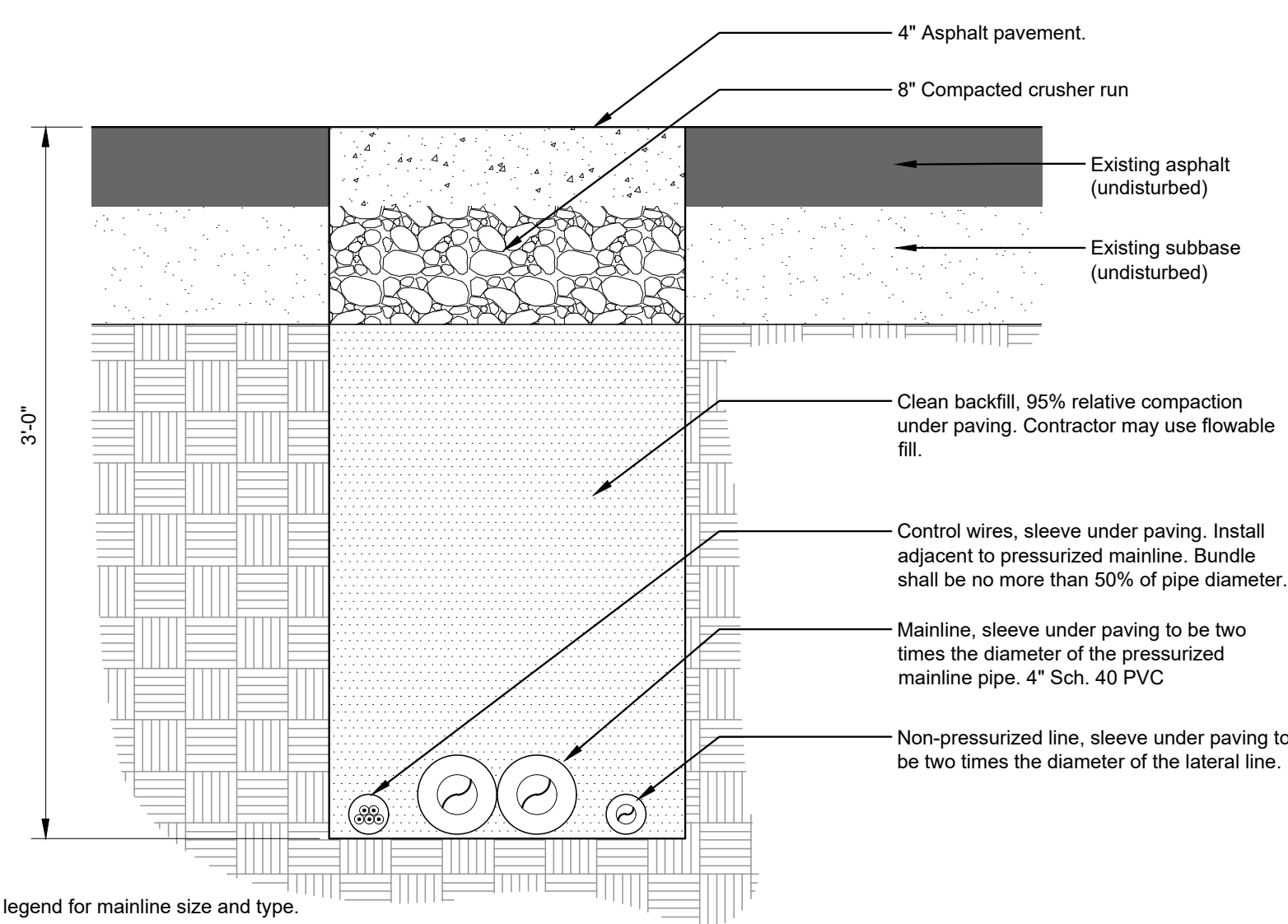
1 1/2" 1'-0"d



- NOTES:
1. ALL ASSEMBLY PARTS (THREADED NIPPLES, FITTINGS, ETC.) SHALL BE GALVANIZED OR BRASS PER LOCAL CODES AND REQUIREMENTS.
 2. GALVANIZED NIPPLE SHALL EXTEND 12" PAST THE EDGE OF THE CONCRETE FOOTING.
 3. SCH. 80 PVC MALE ADAPTER SHALL BE USED IN CONNECTION FROM GALVANIZE TO THE MAINLINE.
 4. BACKFLOW PREVENTION DEVICE SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE LANDSCAPE METER.
 5. BACKFLOW PREVENTION DEVICE SHALL BE LOCATED IN PLANTING AREA UNLESS APPROVED BY OWNER'S REPRESENTATIVE.
 6. ALL BACKFLOW PREVENTION DEVICES SHALL HAVE FREEZE BLANKET INCLUDED UPON INSTALLATION.
 7. ALL GALVANIZED CONNECTIONS SHALL TO BE MADE USING PIPE THREAD SEALANT. ALL SCH. 80 PVC TO GALVANIZED CONNECTIONS TO BE MADE USING TEFLON TAPE.

10 BACKFLOW PREVENTION DEVICE

3/4" 1'-0"d

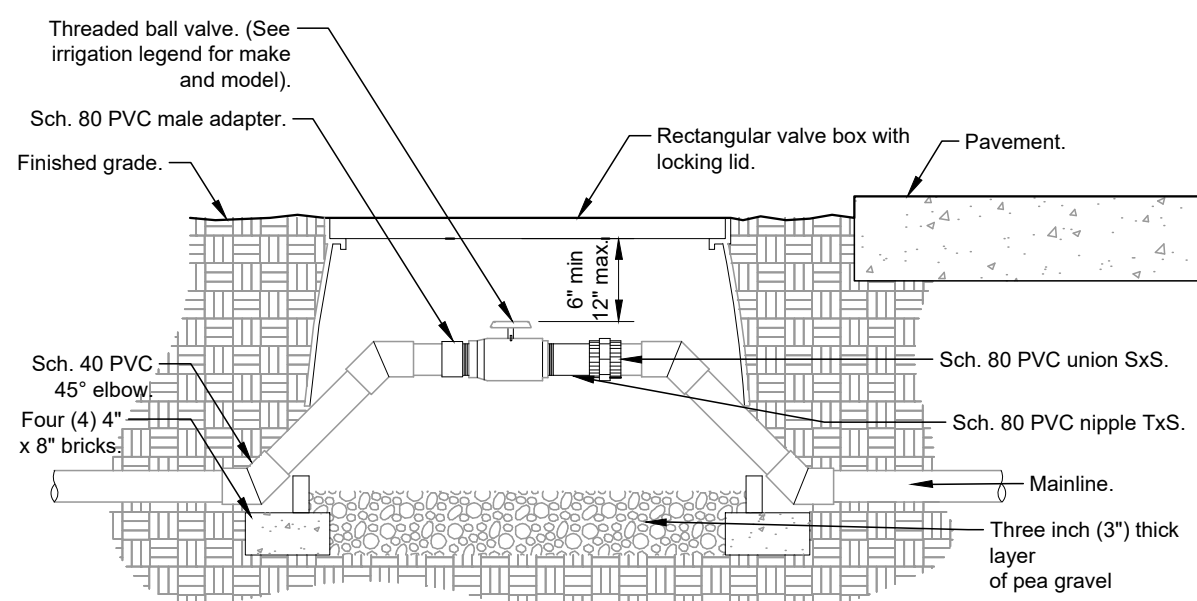


- Notes:
- 1- See irrigation legend for mainline size and type.
 - 2- All sleeves shall be Sch. 40 PVC pipe.
 - 3- All sleeves shall extend 12" beyond the edge of pavement.
 - 4- End of sleeves shall be located with a wooden stake or PVC pipe. Locators shall run continuously from the end of the sleeve to finished grade.

11 PIPE BENEATH PAVEMENT

1 1/2" 1'-0"d

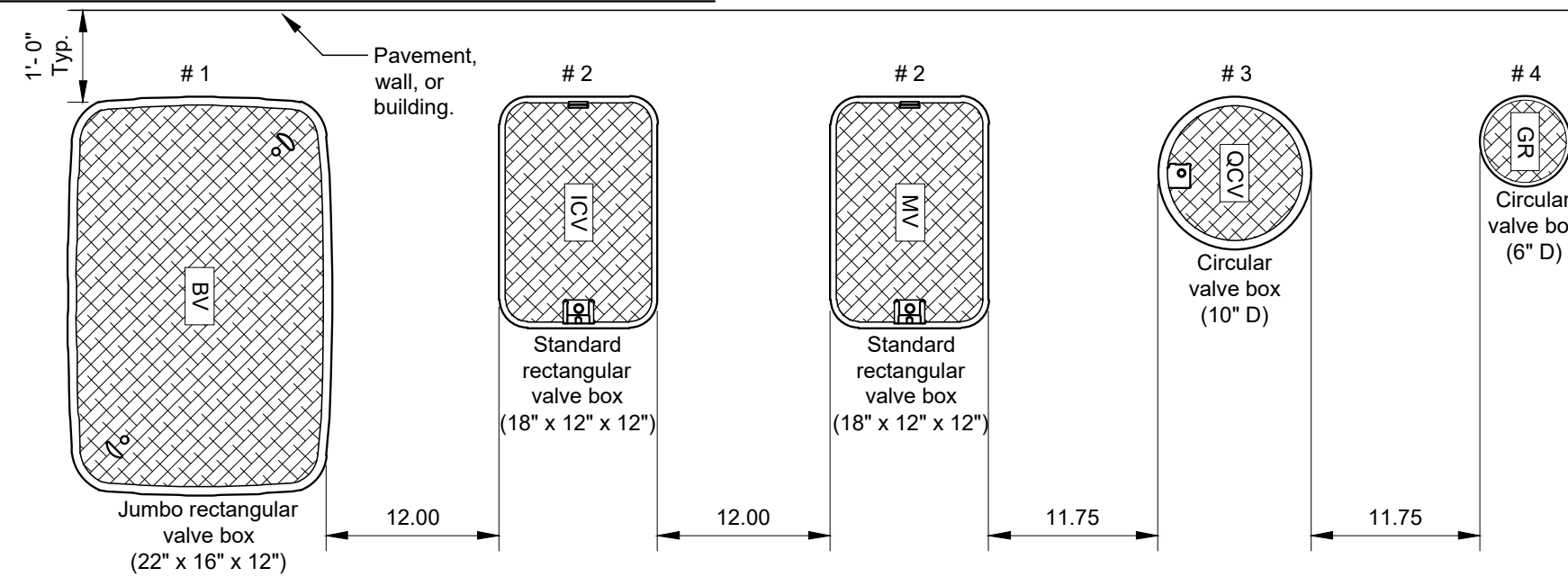
- 1 REMOTE CONTROL VALVE AS SPECIFIED, ONE PER BOX.
- 2 18" x 12" x 12" RECTANGULAR VALVE BOX.
- 3 PLASTIC I.D. TAG AT EACH VALVE.
- 4 WATER PROOF WIRE CONNECTORS ON 30" LOOPED WIRES.
- 5 2" (50MM) MINIMUM, 4" (100MM) MAXIMUM BELOW TOP OF BOX.
- 6 2" (100MM) ABOVE FINISH GRADE AT SHRUBS.
- 7 3/4" (19MM) ABOVE FINISH GRADE AT LAWN.
- 8 OUTLET PIPE SAME SIZE AS VALVE, 24" MINIMUM (300MM) TO FIRST FITTING.
- 9 45 DEGREE DOWN AS REQUIRED TO LATERAL PIPE DEPTH.
- 10 1" CLASS 200 LATERAL LINE
- 11 TWO 6X2X16 CONCRETE BLOCK CAPS, ONE EACH SIDE OF THE BOX.
- 12 CLASS 200 RISER.
- 13 1.5" CLASS 200 MAIN LINE REDUCE TO 1" COMING INTO VALVE.
- 14 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES.
- 15 6" (150MM) THICK LAYER OF PEA GRAVEL BASE.



- Notes:
1. Locate valve boxes in planting areas.
 2. Wrap valve box with a minimum of 3 mil thick plastic and secure it using duct tape or electrical tape.
 3. All threaded connection to be made using teflon tape.
 4. All changes in elevation shall be made using Sch. 40 PVC 45° elbows.

8 BALL VALVE - 3" AND SMALLER

1 1/2" 1'-0"d



12 VALVE BOX LAYOUT

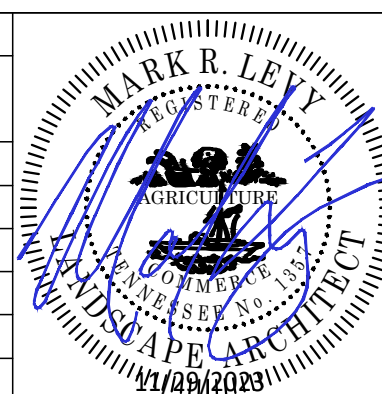
1" 1'-0"d

Water type	Controller	Designation	Box size	Lid Color	Identification Guide
PW	A	MV	# 2	Green	Master valve
PW	A	FS	# 2	Green	Flow sensor
PW	A	HV	# 2	Green	Hydrometer
PW	A	BV	# 2	Green	Ball valve 3" or less
PW	A	GV	# 2	Green	Gate valve
PW	A	ARV	# 2	Green	Air release valve
PW	A	OCV	# 3	Green	Quick coupler valve
PW	A	RCV	# 2	Green	Remote control valve
PW	A	SB	# 3	Green	Splice box
PW	A	FC	# 3	Green	Future connection

- Notes:
- 1- Disregard boxes that are not specified on Irrigation Plans.
 - 2- Valve boxes shall be labeled by hot iron branding or aluminum asphaltic base water proof paint.
 - 3- Locate valve assemblies in planting area.
 - 4- Valve locations shall be approved by the Landscape Architect prior to installation.
 - 5- Valve boxes shall be centered above valve assemblies to facilitate access and maintenance.
 - 6- Valve boxes shall be set parallel to each other and perpendicular to the edge of pavement.
 - 7- Valve boxes shall be set parallel to each other and perpendicular to the edge of pavement.
 - 8- See other irrigation details for further information.

Landscape Plan
prepared by BHD, LLC,
Mark Levy, PLA

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
	Landscape Details change	11/29/2023



DIVISION OF ENGINEERING

IRRIGATION DETAILS

BARTLETT, TN

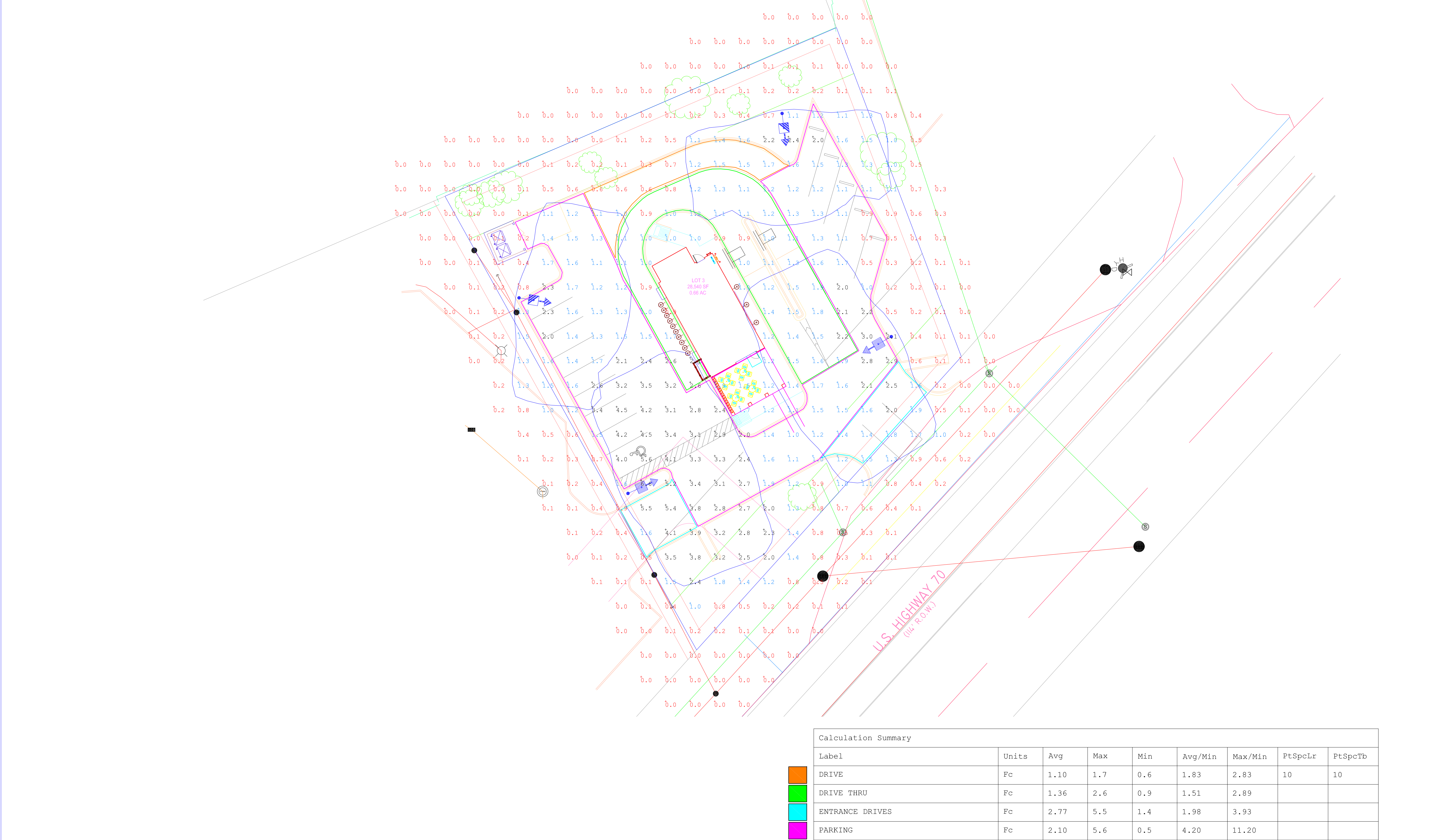
SURVEY: HARRIS & ASSOCIATES
DESIGN BY: J. GRANBERRY, P.E.
DRAWN BY: M. LEVY, PLA
DATE: 05/16/2023
DATE: 11/06/2023
DATE: 11/06/2023
PROJECT NO.: ----
BOOK:
SCALE: Varies

BARTLETT DUNKIN' DONUTS
LOT 3 OF CORNER LOTS OF HIGHWAY 70 SUBDIVISION
OWNER: BARTLETT DONUT HOLDINGS, LLC
ENGINEER: GRANBERRY & ASSOCIATES, LLC

1 IRRIGATION DETAILS

As shown

REVISIONS		
REV #	DATE	BY:
1	11/30/23	J.P.
2	12/13/23	J.P.



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

THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpclr	PtSpctb
DRIVE	Fc	1.10	1.7	0.6	1.83	2.83	10	10
DRIVE THRU	Fc	1.36	2.6	0.9	1.51	2.89		
ENTRANCE DRIVES	Fc	2.77	5.5	1.4	1.98	3.93		
PARKING	Fc	2.10	5.6	0.5	4.20	11.20		

Luminaire Schedule							
WLS17523	DUNKIN DONUTS	BARTLETT, TN	PM: HOLLY	PLEASE EMAIL US FOR PRICING AT KBRONSTAD@WLSLIGHTING.COM			
Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts	
	2	A	10983	0.950	WLS-NV-1-T4-64L-7-40K7-HSS-SLW 25' MOUNTING HEIGHT	136	
	2	B	8238	0.950	WLS-NV-1-T4-48L-7-40K7-HSS-SLW 25' MOUNTING HEIGHT	104	
	13	C	2	0.100	HI-LITE H-HDMR16/18-1-119/MR16AD1C293010T-10-S1	0	
	8	D	2	0.100	LED POWER HB308-48-41K-15D-AC	0	

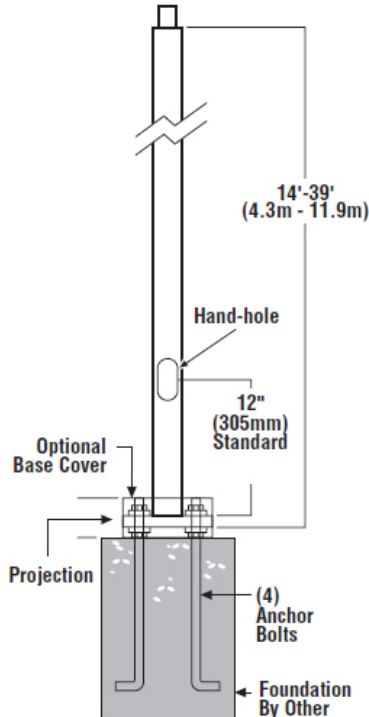
6820 CORPORATION PKWY
FORT WORTH, TX 76126
WWW.WLSLIGHTING.COM



DUNKIN DONUTS
BARTLETT, TN

SNTS SERIES SQUARE NON-TAPERED STEEL POLE

SON –
N= 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



SOB3, SOB5 –
Bolt-On Mount
2-Bolt Pattern



SQI –
No Mounting Holes



SF –
Single Flood
Pole Preparation



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.

SPECIFICATIONS

POLE SHAFT

Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi. On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length. Straight poles are 4", 5", and 6" square.

HAND-HOLE

Standard hand-hole location is 12" above pole base. Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole. BASE - Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi. Two-piece square base cover is optional.

ANCHOR BOLTS

Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional. Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

GROUND LUG

Ground lug is standard.

DUPLEX RECEPTACLE

Weatherproof duplex receptacle is optional.

GROUND FAULT CIRCUIT INTERRUPTER

Self-testing ground fault circuit interrupter is optional.

FINISHES

Each pole is finished with DuraGrip®, WLS's baked-on polyester-powder finishing process which electrostatically applies and fuses a polyester powder to the pole. Provides an extremely smooth and uniform finish to withstand extreme weather changes without cracking or peeling, and features a five-year limited warranty. Optional DuraGrip® Plus features the added protection of a 3.0 to 5.0 mil thickness of polyester powder finish plus an inner coating, as well as a seven-year limited warranty.

DETERMINING THE LUMINAIRE/POLE COMBINATION FOR YOUR APPLICATION:

- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value from note above
- Consult factory for special wind load requirements and banner brackets

SHIPPING WEIGHTS - SNTS Series	
4" (102mm) sq. 11 Ga. is approximately	7.50 lbs./ft.
4" (102mm) sq. 07 Ga. is approximately	10.00 lbs./ft.
5" (127mm) sq. 11 Ga. is approximately	9.00 lbs./ft.
5" (127mm) sq. 07 Ga. is approximately	12.50 lbs./ft.
6" (152mm) sq. 07 Ga. is approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 30") (19mm x 762mm)	15 lbs. (7kg)/set
Anchor Bolts (1" x 36") (25mm x 914mm)	30 lbs. (14kg)/set

Project Name: _____

Date: _____

Location: _____

Notes: _____

SNTS SERIES

SQUARE NON-TAPERED STEEL POLE

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.
Refer to example below.

SERIES	POLE SERIES	MATERIAL	HEIGHT ²	MOUNTING CONFIGURATION	POLE FINISH	OPTIONS
SNTS	Bolt-on Arm Mount See pole selection guide for patterns and fixture matches. 4SQB3 3" Reduced drilling pattern 5SQB3 3" Reduced drilling pattern 4SQB5 5" Traditional drilling pattern 5SQB5 5" Traditional drilling pattern 6SQB5 5" Traditional drilling pattern 4SQBO 5SQBO 6SQBO	S11G 11 Ga. Steel S07G 07 Ga. Steel	14 14' 16 16' 18 18' 20 20' 22 22' 24 24' 26 26' 28 28' 30 30' 35 35' 39 39'	S Single/Parallel D180° Double D90° Double DN90° Double T90° Triple TN120° Triple Q90° Quad QN90° Quad	BRZ Bronze BLK Black PLP Platinum Plus WHT White SVG Satin Verde Green GPT Graphite MSV Metallic Silver	GA Galvanized Anchor Bolts SF³ Single Flood DF³ Double Flood DGP DuraGrip® Plus LAB Less Anchor Bolts OSXX⁴ Pole preparation for PMOS Occupancy Sensor
	Tenon Mount See selection guide for tenon and fixture/bracket matches. 4SQN 5SQN 6SQN No Mounting Holes Use with: • BKA 4ISF & BKA 5ISF • BKA X4ISF & BKA X5ISF Internal Slip-fitter¹ 4SQI 5SQI			N Tenon Mount (Standard tenon size is 2-3/8" O.D.)		
ORDER:						
WLS-SNTS						

Example: WLS-SNTS-4SQB3-S11G-20-T90-BRZ-GA

FOOTNOTES:	
1 See Area Lighting Brackets 3" Reduced Drill Pattern and Area Lighting Brackets - Bolt-on 5" Traditional Drill Pattern spec sheets for Internal Slip-fitter brackets.	4 Order PMOS separately. Change "XX" to indicate height and side of pole location for pole preparation. EX: 0518A indicates preparation is to be 18ft. up from pole base on side A. Optimal distance from ground to sensor is 20ft.
2 Pole heights will have +/- 1/2" tolerance.	5 OSXX option required. Not for use with Metal Halide fixtures.
3 See Flood Lighting Brackets section for choice of FBO brackets.	

ACCESSORY ORDERING INFORMATION (Accessorie are field installed)	
Description	Order Number
4BC – 4" Square Base Cover	122559CLR
5BC – 5" Square Base Cover	122561CLR
6BC – 6" Square Base Cover	122563CLR
ER2 – Weatherproof Duplex Receptacle	122566CLR
GFI – Ground Fault Circuit Interrupter	122567CLR
MHP – Mounting Hole Plugs (3 plugs)-for use with 5" traditional drill pattern	132336
MHD – Mounting Hole Weatherproof Decal-for use with 3" reduced drill pattern	340120
Vibration Damper - 4" Square Pole (bolt-on mount only)	172539
Vibration Damper - 5" Square Pole (bolt-on mount only)	172538
Vibration Damper - 6" Square Pole (bolt-on mount only)	178361
PMOS120 - 120V Occupancy Sensor	518030CLR5
PMOS208/240 - 208, 240V Occupancy Sensor	534239CLR ⁵
PMOS277 - 277V Occupancy Sensor	518029CLR ⁵
PMOS480 - 480V Occupancy Sensor	534240CLR ⁵

Project Name:

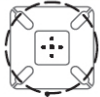
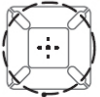
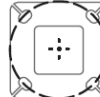
Date:

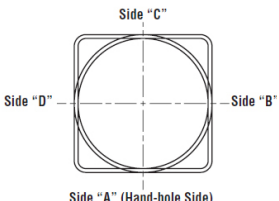
Location:

Notes:

SNTS SERIES

SQUARE NON-TAPERED STEEL POLE

BOLT CIRCLE				
	4" (102mm) square 10-1/8" (257mm) sq.  11" (279mm) Dia. Bolt Circle	5" (127mm) square 10-1/8" (257mm) sq.  11" (279mm) Dia. Bolt Circle	5" (127mm) square 10-1/8" (257mm) sq.  11" (279mm) Dia. Bolt Circle	6" (152mm) square 12" (305mm) sq.  12" (305mm) Dia. Bolt Circle
	B	C	D	J
Bolt Circle	Slotted 8"-11" (203mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 12" (305mm)
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/8" thk. (305mm x 29mm)
Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the base plate templates.				

DRILLING LOCATIONS				
				
Sides	A	B	C	D
Hand-Hole	X			
Single	X			
D180°		X		X
D90°	X			X
T90°	X	X		X
TN120°*	X			
Q90°	X	X	X	X
Single FBO	X			
Double FBO		X		X
*Other two locations will be 120° to the left and right of Side A. Note: Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, unless otherwise specified.				

WLS LIGHTING SYSTEMS

1919 Windsor Place
Fort Worth, TX 76110
800.622.8711

www.wslighting.com

Project Name: _____

Date: _____

Location: _____

Notes: _____

01 REV. 12/19

Specifications subject to change without notice.

SNTS SERIES

SQUARE NON-TAPERED STEEL POLE

Use ONLY with "Wind Speed Map for ASCE7-05

STEEL SQUARE POLES - ASCE7-05								
POLE	90 MPH	100 MPH	110 MPH	120 MPH	130 MPH	140 MPH	150 MOH	Bolt Circle
4" 11GA 14'	18.7	14.5	11.5	9.1	17.3	5.9	4.6	B
4" 11GA 16'	15.1	11.5	8.9	6.9	5.4	4.1	3.1	B
4" 11GA 18'	12.2	9.1	6.8	5.1	3.7	2.7	1.8	B
4" 11GA 20'	9.5	6.9	4.9	3.4	2.2	1.3	0.5	B
4" 11GA 22'	9.6	7.0	4.7	3.0	1.5	0.5	0.0	B
4" 11GA 24'	7.7	5.3	3.4	1.8	0.4	0.0	0.0	B
4" 11GA 26'	5.7	3.3	1.9	0.6	0.0	0.0	0.0	B
4" 7GA 20'	14.8	11.2	8.4	6.4	4.8	3.5	2.4	B
4" 7GA 22'	14.9	11.0	8.2	6.0	4.4	3.0	1.9	B
4" 7GA 24'	12.4	8.8	6.3	4.4	2.9	1.7	0.8	B
4" 7GA 26'	10.1	6.9	4.6	2.9	1.6	0.5	0.0	B
5" 11GA 16'	29.4	23.0	18.2	14.6	11.8	9.6	7.8	C
5" 11GA 18'	24.2	19.7	14.5	11.4	9.0	7.1	5.5	C
5" 11GA 20'	20.0	14.9	11.5	8.8	6.6	4.9	3.6	C
5" 11GA 22'	20.8	15.5	11.7	8.7	6.4	4.6	3.2	C
5" 11GA 24'	17.2	12.8	9.3	6.6	4.5	3.0	1.6	C
5" 11GA 26'	14.8	10.2	7.1	4.7	2.8	1.4	0.2	C
5" 7GA 20'	30.5	23.7	18.6	14.7	11.7	9.3	7.4	D
5" 7GA 22'	41.2	32.0	25.4	20.3	16.2	13.2	10.5	D
5" 7GA 24'	36.0	27.9	21.8	17.1	13.5	10.7	8.4	D
5" 7GA 26'	32.0	23.8	18.3	14.1	10.9	8.3	6.2	D
5" 7GA 30'	24.1	17.5	13.0	9.4	6.7	4.5	2.8	D
6" 7GA 24'	51.0	39.7	31.3	24.9	19.9	16.0	12.8	J
6" 7GA 26'	44.5	34.2	26.7	20.9	16.4	12.9	10.0	J
6" 7GA 30'	34.3	25.8	19.4	14.6	10.8	7.9	5.4	J
6" 7GA 35'	24.8	17.8	12.5	8.5	5.4	2.9	0.9	J
6" 7GA 39'	18.6	12.4	7.8	4.4	1.6	0.0	0.0	J

All WLS Industries' poles are guaranteed to meet the EPA requirements listed. WLS Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. WLS Industries cannot accept responsibility for harm or damage caused in these situations.



1919 Windsor Place
Fort Worth, TX 76110
800.622.8711
www.wslighting.com

Project Name: _____
Date: _____
Location: _____
Notes: _____

01 REV. 02/19

Specifications subject to change without notice.

SNTS SERIES

SQUARE NON-TAPERED STEEL POLE

Use ONLY with "Wind Speed Map for ASCE7-10

STEEL SQUARE POLES - ASCE7-10										
POLE	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	Bolt Circle
4" 11GA 14'	12.5	11.3	10.2	8.5	6.8	5.8	4.9	4.1	3.6	B
4" 11GA 16'	9.8	8.6	7.9	6.5	5.4	4.4	3.5	2.9	2.2	B
4" 11GA 18'	8.1	7.4	6.7	5.4	4.	3.4	2.8	2.2	1.7	B
4" 11GA 20'	7.1	6.3	5.6	4.4	3.4	2.7	2.1	1.6	1.1	B
4" 11GA 22'	9.9	8.8	7.9	6.3	5.1	4.0	3.1	2.5	2.0	B
4" 11GA 24'	8.6	7.5	6.8	5.3	4.2	3.3	2.5	1.9	1.3	B
4" 11GA 26'	6.8	6.1	5.5	4.2	3.2	2.3	1.6	1.0	0.6	B
4" 7GA 20'	10.7	9.7	8.7	7.0	5.7	4.6	3.8	3.1	2.5	B
4" 7GA 22'	11.3	10.2	9.1	7.3	5.8	4.7	3.5	2.7	2.1	B
4" 7GA 24'	9.8	8.9	7.8	6.0	47.5	3.5	2.8	2.1	1.6	B
4" 7GA 26'	7.9	7.1	6.1	4.7	3.6	2.8	1.9	1.2	0.7	B
5" 11GA 16'	18.1	16.4	14.8	12.3	10.3	8.7	7.3	6.3	5.3	C
5" 11GA 18'	15.7	14.2	12.8	10.5	8.7	7.3	6.1	5.1	4.3	C
5" 11GA 20'	13.5	12.3	11.1	9.0	7.4	6.0	4.8	3.8	3.1	C
5" 11GA 22'	15.8	14.3	12.6	10.2	8.3	6.5	5.4	4.2	3.5	C
5" 11GA 24'	13.8	12.5	1.8	8.6	6.7	5.2	3.9	3.0	2.1	C
5" 11GA 26'	11.3	10.3	8.9	6.9	5.3	4.0	3.0	2.2	1.5	C
5" 7GA 20'	20.7	18.8	17.0	14.0	11.7	9.8	7.9	7.0	5.9	D
5" 7GA 22'	25.8	23.3	21.0	17.5	14.6	12.3	10.4	8.8	7.5	D
5" 7GA 24'	23.3	21.0	19.0	15.6	12.9	10.7	9.0	7.5	6.3	D
5" 7GA 26'	20.0	18.0	16.2	13.2	10.7	8.9	7.3	6.0	4.8	D
5" 7GA 30'	16.4	14.6	13.0	10.3	7.9	6.5	5.2	4.0	3.1	D
6" 7GA 24'	35.0	30.8	28.5	23.7	19.6	16.7	14.0	11.8	10.2	J
6" 7GA 26'	29.2	26.2	23.47	19.3	15.9	13.2	11.0	8.69	7.5	J
6" 7GA 30'	23.6	21.2	19.0	15.2	12.3	9.9	8.0	6.4	5.0	J
6" 7GA 35'	17.6	15.2	13.6	10.7	8.2	6.2	4.6	3.2	2.1	J
6" 7GA 39'	13.9	11.9	10.4	7.7	5.5	3.8	2.4	1.2	0.2	J

All WLS Industries' poles are guaranteed to meet the EPA requirements listed. WLS Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. WLS Industries cannot accept responsibility for harm or damage caused in these situations.



1919 Windsor Place
Fort Worth, TX 76110
800.633.8711
www.wslighting.com

Project Name: _____
Date: _____
Location: _____
Notes: _____

01 REV.12/19

Specifications subject to change without notice.

NV SERIES LED AREA

FIXTURE AND POLE TO BE BLACK

SPECIFICATIONS

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Low depreciation rate
- Reduces energy consumption and costs up to 65%
- Exceeds IES foot candle levels utilizing the least number of poles and fixtures per project
- Optical system designed for:
 - Parking Lots
 - Auto Dealerships
 - General Area Lighting

CONSTRUCTION

- Die Cast Aluminum
- External cooling fins, Finite Element Analysis (FEA) designed
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP-65 seal for electronics compartment
- One-piece Optics Plate™ mounting silicone Micro Optics
- Two-piece silicone Micro Optic system ensures IP-67 level seal around each PCB
- Grade 2 Clear Anodized Optics Plate™ standard

FINISH

- 3-5 mils electrostatic powder coat.
- WLS standard high-quality finishes prevent corrosion protects against and extreme environmental conditions

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver by Philips Advance
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP-65 compartment
- Lumileds Luxeon MX LED's
- CRI >70
- Color temperatures: 3000K, 4000K, 5000K

OPTICS

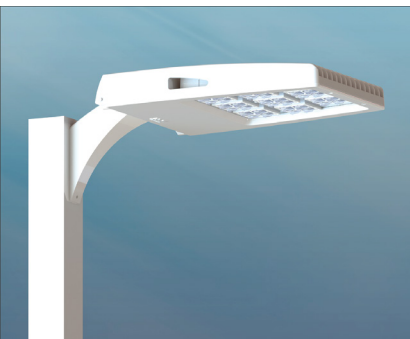
- Silicone optics high photo thermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability.
- IES Types T2, T3, T4, T5 AND N3

WARRANTY

- Five-year limited warranty for drivers and LEDs.

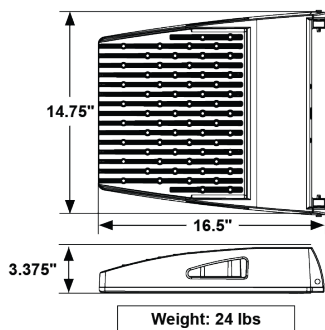
LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated
- 3G Vibration Rated per ANSI C136.31-2010

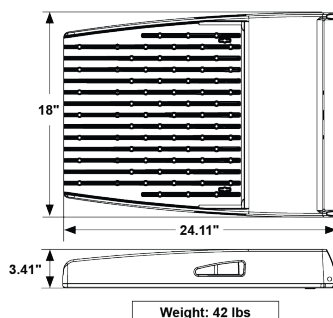


DIMENSIONS

NV-1



NV-2



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.



Project Name: _____

Date: _____

Location: _____

Notes: _____

NV SERIES LED AREA

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.

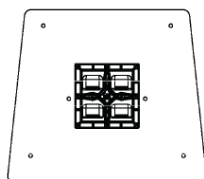
Refer to example below.

PRODUCT	OPTIC	LED #	DRIVER	COLOR TEMPERATURE	VOLTAGE	MOUNTING	COLOR OPTIONS	OPTIONS
NV-1	T2 Type 2 T3 Type 3 T4 Type 4 T5 Type 5 N3 Nema 3 30° Narrow Beam	16 16L	35 350mA (16L ONLY)	30K 3000K 40K 4000K 50K 5000K	UNV 120-277 HV 347-480	Direct Pole DPS3 3" (Single, D180) DPS7 7" (D90, T90, T120, QD) KM Knuckle Mount WM Wall Mount TM Trunnion Mount *Standard finish is stainless steel. Can be painted to match fixture. TA Tennis Arm ASA Architectural Sweep Arm	BRZ Bronze WHT White SVR Silver BLK Black GPH Graphite GRY Grey ASA Architectural Sweep Arm	BD Bird Deterrent MGF Marine Grade Finish OPP Optic Plate Painted to Match Fixture PE7 Nema 7-Pin Receptacle PCR Photocell + Receptacle PER Receptacle + Shorting Cap FSP-20 FSP-211 with Motion Sensor (UNV Voltage) 9'-20' Heights FSP-40 FSP-211 with Motion Sensor (UNV Voltage) 21'-40' Heights QMB Quick Mount Bracket RQMB Retrofit Mount Bracket RPA4 Round Pole Adaptor 3"-4" Pole RPA5 Round Pole Adaptor 5"-6" Pole ROL Rotated Optic Left ROR Rotated Optic Right AHS Automotive House Side Shield HSS House Side Shield 10K Surge Protector (NV-2 only) NO No Options
NV-2		80 80L 96 96L 112 112L 128 128L	7 700mA 1 1050mA					

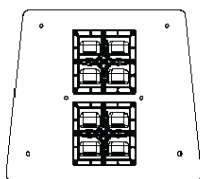
ORDER:

WLS-NV								
--------	--	--	--	--	--	--	--	--

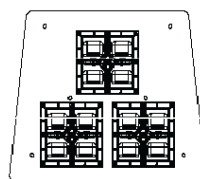
Example: WLS-NV-2-T5-96-1-40K-UNV-DPS3-BRZ-NO



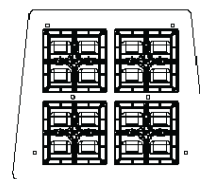
NV-1 / 16L



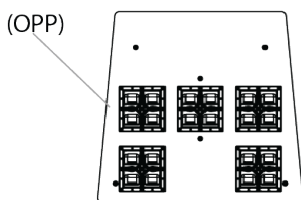
NV-1 / 32L



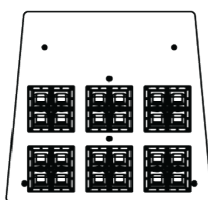
NV-1 / 48L



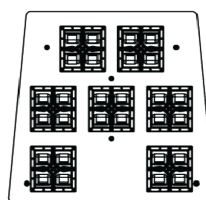
NV-1 / 64L



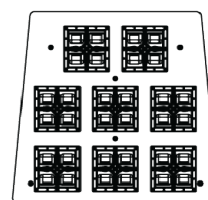
NV-2 / 80L



NV-2 / 96L



NV-2 / 112L



NV-2 / 128L

WLS LIGHTING SYSTEMS

6820 Corporation Pkwy
Fort Worth, TX
76126800.633.8711
www.wslighting.com

Project Name: _____

Date: _____

Location: _____

Notes: _____

74 REV. 1/22

Specifications subject to change without notice.

NV SERIES LED AREA

BUG Ratings						
Part Number	T2	T3	T3HSS	T4	T4HSS	T5
WLS-NV-1-16L-35-30K	B1 U0 G1	B1 U0 G1	B0 U0 G0	B1 U0 G1	B0 U0 G0	B2 U0 G0
WLS-NV-1-16L-35-40K	B1 U0 G1	B1 U0 G1	B0 U0 G0	B1 U0 G1	B0 U0 G0	B2 U0 G0
WLS-NV-1-16L-35-50K	B1 U0 G1	B1 U0 G1	B0 U0 G0	B1 U0 G1	B0 U0 G0	B2 U0 G2
WLS-NV-1-16L-53-30K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1
WLS-NV-1-16L-53-40K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1
WLS-NV-1-16L-53-50K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B2 U0 G1
WLS-NV-1-16L-7-30K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1
WLS-NV-1-16L-7-40K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1
WLS-NV-1-16L-7-50K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1
WLS-NV-1-16L-1-30K	B1 U0 G1	B1 U0 G1	B0 U0 G1	B1 U0 G1	B0 U0 G1	B3 U0 G1
WLS-NV-1-16L-1-40K	B1 U0 G1	B2 U0 G2	B0 U0 G1	B2 U0 G2	B0 U0 G1	B3 U0 G2
WLS-NV-1-16L-1-50K	B1 U0 G2	B2 U0 G2	B0 U0 G1	B2 U0 G2	B0 U0 G1	B3 U0 G2
WLS-NV-1-32L-7-30K	B1 U0 G2	B2 U0 G2	B0 U0 G1	B2 U0 G2	B0 U0 G1	B3 U0 G2
WLS-NV-1-32L-7-40K	B1 U0 G2	B2 U0 G2	B0 U0 G1	B2 U0 G2	B0 U0 G2	B3 U0 G2
WLS-NV-1-32L-7-50K	B2 U0 G2	B2 U0 G2	B0 U0 G2	B2 U0 G2	B0 U0 G2	B3 U0 G2
WLS-NV-1-32L-1-30K	B2 U0 G2	B2 U0 G2	B0 U0 G2	B2 U0 G2	B0 U0 G2	B4 U0 G2
WLS-NV-1-32L-1-40K	B2 U0 G2	B2 U0 G2	B0 U0 G2	B3 U0 G2	B0 U0 G2	B4 U0 G2
WLS-NV-1-32L-1-50K	B2 U0 G2	B3 U0 G3	B0 U0 G2	B3 U0 G3	B0 U0 G2	B4 U0 G2
WLS-NV-1-48L-7-30K	B2 U0 G2	B2 U0 G2	B0 U0 G2	B2 U0 G2	B0 U0 G2	B4 U0 G2
WLS-NV-1-48L-7-40K	B2 U0 G2	B2 U0 G2	B0 U0 G2	B2 U0 G2	B0 U0 G2	B4 U0 G2
WLS-NV-1-48L-7-50K	B2 U0 G2	B3 U0 G3	B0 U0 G2	B2 U0 G2	B0 U0 G2	B4 U0 G2
WLS-NV-1-48L-1-30K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B4 U0 G2
WLS-NV-1-48L-1-40K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-1-48L-1-50K	B3 U0 G2	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-1-64L-7-50K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B4 U0 G2
WLS-NV-1-64L-7-40K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B4 U0 G2
WLS-NV-1-64L-7-50K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B4 U0 G2
WLS-NV-1-64L-1-30K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G3	B5 U0 G3
WLS-NV-1-64L-4-40K	B3 U0 G3	B3 U0 G3	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-1-64L-4-50K	B3 U0 G3	B3 U0 G3	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3

BUG Ratings						
Part Number	T2	T3	T3HSS	T4	T4HSS	T5
WLS-NV-2-80L-7-30K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-2-80L-7-40K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-2-80L-7-50K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-2-80L-1-30K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-2-80L-1-40K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-2-80L-1-50K	B3 U0 G4	B3 U0 G3	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-96L-7-30K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-2-96L-7-40K	B3 U0 G3	B3 U0 G3	B1 U0 G2	B3 U0 G3	B1 U0 G2	B5 U0 G3
WLS-NV-2-96L-7-50K	B3 U0 G4	B3 U0 G3	B1 U0 G2	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-2-96L-1-30K	B3 U0 G4	B4 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-96L-1-40K	B3 U0 G4	B4 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G4	B5 U0 G4
WLS-NV-2-96L-1-50K	B3 U0 G4	B4 U0 G4	B1 U0 G4	B3 U0 G4	B1 U0 G4	B5 U0 G4
WLS-NV-2-112L-7-30K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-2-112L-7-40K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G3
WLS-NV-2-112L-7-50K	B3 U0 G4	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-112L-1-30K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G4
WLS-NV-2-112L-1-40K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G4
WLS-NV-2-112L-1-50K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G4
WLS-NV-2-128L-7-30K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-128L-7-40K	B3 U0 G3	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-128L-7-50K	B3 U0 G4	B3 U0 G4	B1 U0 G3	B3 U0 G4	B1 U0 G3	B5 U0 G4
WLS-NV-2-128L-1-30K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G4
WLS-NV-2-128L-1-40K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G4
WLS-NV-2-128L-1-50K	B4 U0 G4	B4 U0 G4	B1 U0 G4	B4 U0 G5	B1 U0 G4	B5 U0 G5



6820 Corporation Pkwy
Fort Worth, TX 76126
800.633.8711
www.wslighting.com

Project Name: _____
Date: _____
Location: _____
Notes: _____

NV SERIES

LED AREA

WLS NV-1 Lumens																					
Part Number	N3	LM/W	T2	LM/W	DLC	T3	LM/W	DLC	T3 HSS	LM/W	T4	LM/W	DLC	T4 AHS	LM/W	T4 HSS	LM/W	T5	LM/W	DLC	W
WLS-NV-1-16L-35-30K	2016	112	2106	117	P	2106	117	P	1134	63	2187	116	P	1296	72	1116	62	2231	118	P	18
WLS-NV-1-16L-35-40K	2088	116	2238	126	P	2286	127	P	1206	67	2250	125	P	1368	76	1188	66	2304	128	P	18
WLS-NV-1-16L-35-50K	2160	120	2376	132	P	2394	133	P	1278	71	2358	131	P	1440	80	1260	70	2412	134	P	18
WLS-NV-1-16L-53-30K	3236	112	3192	114	P	3220	115	P	1764	63	2119	113	P	2016	72	1736	62	3248	116	P	28
WLS-NV-1-16L-53-40K	3248	116	3472	124	P	3472	124	P	1876	67	3444	123	P	2128	76	1848	66	3500	125	P	28
WLS-NV-1-16L-53-50K	3360	120	3612	129	P	3640	130	P	1988	71	3584	128	P	2240	80	1960	70	3668	131	P	28
WLS-NV-1-16L-7-30K	4032	112	360	110	P	3960	110	P	2268	63	3973	109	P	2692	72	2232	62	3996	111	P	36
WLS-NV-1-16L-7-40K	4176	116	4428	123	P	4284	119	P	2412	67	4212	117	P	2736	76	2376	66	4320	120	P	36
WLS-NV-1-16L-7-50K	4320	12	4644	129	P	4500	125	P	2556	71	4428	123	P	2880	80	2520	70	4500	125	P	36
WLS-NV-1-16L-1-30K	6272	112	6160	110	S	6384	114	P	3528	63	6232	112	P	4032	72	3472	62	6440	115	P	56
WLS-NV-1-16L-1-40K	6496	116	6832	122	P	6888	123	P	3752	67	6776	121	P	4256	76	3696	66	6944	124	P	56
WLS-NV-1-16L-1-50K	6720	120	7168	128	P	7224	129	P	3976	71	7112	127	P	4480	80	3920	70	7280	130	P	56
WLS-NV-1-32L-7-30K	7952	112	7810	110	S	7810	110	S	4473	63	7739	109	S	5112	72	4402	62	7881	111	S	71
WLS-NV-1-32L-7-40K	8236	116	9017	127	P	8449	119	P	4757	67	8307	117	P	5396	73	4686	66	8520	120	P	70
WLS-NV-1-32L-7-50K	8520	120	9159	129	P	8875	125	P	5041	70	8733	123	P	5680	80	4970	70	8946	126	P	71
WLS-NV-1-32L-1-30K	11872	112	11660	110	S	12084	114	S	6678	63	11820	112	S	7632	72	6572	62	12190	115	S	106
WLS-NV-1-32L-1-40K	12296	116	12932	122	P	13038	123	P	7102	67	12826	121	P	8056	76	6996	66	13144	124	P	106
WLS-NV-1-32L-1-50K	12720	120	13568	128	P	13674	129	P	7526	71	13462	127	P	8480	80	7420	70	13780	130	P	106
WLS-NV-1-48L-7-30K	11648	112	11440	110	S	11440	110	S	6552	63	11336	109	S	7488	72	6448	62	11244	111	S	104
WLS-NV-1-48L-7-40K	12064	116	13208	127	P	12376	119	P	6968	67	12168	117	P	7904	76	6864	66	12480	120	P	104
WLS-NV-1-48L-7-50K	12480	120	13520	130	P	13000	125	P	7684	71	12792	123	P	8320	80	7280	70	13104	126	P	104
WLS-NV-1-48L-1-30K	17472	112	17160	110	S	17784	114	S	9828	63	17472	112	S	11232	72	9672	62	17940	115	S	156
WLS-NV-1-48L-1-40K	18096	116	19032	122	P	19188	123	P	10452	67	18876	121	P	11856	76	10296	66	19344	124	P	156
WLS-NV-1-48L-1-50K	18720	120	19968	128	P	20124	129	P	11076	71	19812	127	P	12480	80	10920	70	20280	130	P	156
WLS-NV-1-67L-7-30K	15232	112	14960	110	S	14960	110	S	8568	63	14823	109	S	9792	72	8432	63	15096	111	S	136
WLS-NV-1-67L-7-40K	15776	116	17272	127	P	16184	119	P	9112	67	15912	117	P	10336	76	8976	66	16320	120	P	136
WLS-NV-1-67L-7-50K	16320	120	17680	130	P	1700	125	P	9656	71	16728	123	P	10880	80	9520	70	17136	126	P	136
WLS-NV-1-67L-1-30K	22960	112	22550	110	S	23370	114	S	12915	63		112	S	14760	72	12710	62	23575	115	S	205
WLS-NV-1-67L-1-40K	23780	116	25010	122	P	25215	123	P	13735	67	24805	121	P	15580	76	13530	66	25420	124	P	205
WLS-NV-1-67L-1-50K	24600	120	26240	128	P	26445	129	P	14555	71	26035	127	P	16400	80	14350	70	26650	130	P	205

*DLC S= Standard P=Premium



6820 Corporation Pkwy
Fort Worth, TX 76126
800.633.8711
www.wslighting.com

Project Name: _____
Date: _____
Location: _____
Notes: _____

NV SERIES

LED AREA

WLS NV-2 Lumens																					
Part Number	N3	LM/W	T2	LM/W	DLC	T3	LM/W	DLC	T3 HSS	LM/W	T4	LM/W	DLC	T4 AHS	LM/W	T4 HSS	LM/W	T5	LM/W	DLC	W
WLS-NV-2-80L-7-3OK	18816	112	19744	116	S	19218	113	S	9744	58	18992	112	S	12096	72	9576	57	19713	117	P	168
WLS-NV-2-80L-7-4OK	19488	116	21000	125	P	20328	121	P	10416	62	20160	120	P	12768	76	10248	61	21168	126	P	168
WLS-NV-2-80L-7-5OK	20160	120	21672	129	P	21168	126	P	11088	66	21000	125	P	13440	80	10920	65	21840	130	P	168
WLS-NV-2-80L-1-3OK	29465	112	23141	107	S	27352	104	S	15254	58	30245	115	S	18936	70	14991	57	29193	111	S	263
WLS-NV-2-80L-1-4OK	30508	116	30245	114	S	29456	112	S	16306	62	32086	122	S	19988	76	16043	61	31297	119	S	263
WLS-NV-2-80L-1-5OK	31560	120	31297	119	P	20508	116	S	17358	66	33664	128	P	21050	80	17095	65	33138	126	P	263
WLS-NV-2-96L-7-3OK	22400	112	23200	116	S	22600	113	S	11600	58	22400	112	S	14400	72	11400	57	23400	117	S	200
WLS-NV-2-96L-7-4OK	23200	116	25000	125	P	24200	121	P	12400	62	14000	120	P	15200	76	12200	61	25200	126	P	200
WLS-NV-2-96L-7-5OK	24000	120	25800	129	P	25200	126	P	13200	66	25000	125	P	16000	80	13000	65	26000	130	P	200
WLS-NV-2-96L-1-3OK	35392	112	33812	107	S	32864	104	S	18328	58	36340	115	S	22752	72	18012	57	35075	111	S	316
WLS-NV-2-96L-1-4OK	36656	116	36340	115	S	35392	112	S	19592	62	38552	122	S	24016	76	19276	61	37604	119	S	316
WLS-NV-2-96L-1-5OK	37920	120	37604	119	P	36656	116	S	20856	66	40448	128	P	25280	80	20540	65	39816	126	P	316
WLS-NV-2-112L-7-3OK	27246	112	28188	116	S	27459	113	S	14094	58	27216	112	S	17496	72	13851	57	28431	117	P	243
WLS-NV-2-112L-7-4OK	28188	116	30375	125	P	29403	121	P	15066	62	29160	120	P	18468	76	14823	61	30618	126	P	243
WLS-NV-2-112L-7-5OK	29160	120	31347	129	P	30618	126	P	16038	66	30375	125	P	19440	80	15795	65	31590	130	P	243
WLS-NV-2-112L-1-3OK	40992	112	39162	108	S	38061	104	S	21228	58	42090	115	S	26352	72	20862	57	40626	111	S	366
WLS-NV-2-112L-1-4OK	42456	116	42090	115	S	40992	112	S	22692	62	44652	122	S	27816	76	22326	61	43554	119	S	366
WLS-NV-2-112L-1-5OK	43920	120	43554	119	P	42456	116	S	24156	66	46848	128	P	29280	80	23790	65	46446	126	P	366
WLS-NV-2-128L-7-3OK	29680	112	30740	116	S	29945	113	S	15370	58	29680	112	S	19080	72	15105	57	31005	117	P	265
WLS-NV-2-128L-7-4OK	30740	116	33125	125	P	32065	121	P	16430	62	31800	120	P	20140	76	16165	61	33390	126	P	265
WLS-NV-2-128L-7-5OK	31800	120	34185	129	P	33390	126	P	17490	66	33125	125	P	21200	80	17225	65	34450	130	P	265
WLS-NV-2-128L-1-3OK	45808	112	43763	107	S	42536	104	S	23722	58	48035	115	S	29448	72	23313	57	45399	111	S	409
WLS-NV-2-128L-1-4OK	47444	116	47035	115	S	45808	112	S	25358	62	49898	122	S	31074	76	24949	61	48671	119	S	409
WLS-NV-2-128L-1-5OK	49080	120	18671	119	P	47445	116	S	26994	66	52352	128	P	33129	81	26585	65	51534	126	P	409

*DLC S= Standard P=Premium



6820 Corporation Pkwy
Fort Worth, TX 76126
800.633.8711
www.wslighting.com

Project Name: _____
Date: _____
Location: _____
Notes: _____

NV SERIES LED AREA

BIRD DETERRENT (BD) - offers effective and humane deterrent for larger bird species and provides cost-effective long-term solution to nuisance bird infestations and protect your property.

MARINE GRADE FINISH (MGF) - A multi-step process creating protective finishing coat against harsh environments.

- Chemically washed in a 5 stage cleaning system.
- Pre-baked
- Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer.
- 1-2 feet inside pole coverage top and bottom.
- Oven Baked.
- Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.

SHIELDS (HSS, AHS) - House Side Shield (HSS) is designed for full property line cut-off. Automotive House Side Shield (AHS) is a single-sided shield allowing partial cut-off on either side or front of luminaire.

ROUND POLE ADAPTER (RPA) - When using round poles, specify Round Pole Adapter (RPA). Specify RPA4 when installing on 3"-4" round poles, and RPA5 when installing on 5"-6" round poles.

CONTROLS -

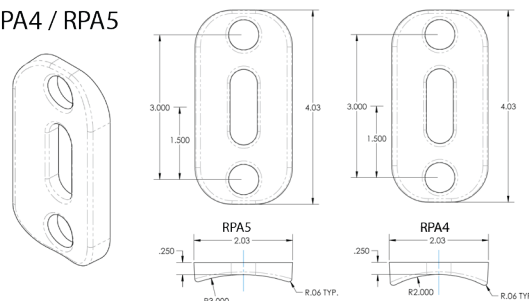
FSP-211 (FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.

- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-20 mounting heights 9-20 feet
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, reprogrammable in the field.

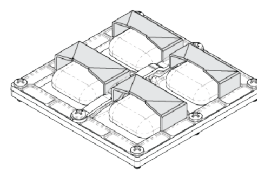
NEMA 7-PIN RECEPTACLE (PE7) - An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.

OPTICS - Silicone optics high photo thermal stability and light output provides higher powered LEDs with minimized lumen depreciation LED life. UV and thermal stability with scratch resistance increases exterior application durability. IES types 2 (T2), 3 (T3), 4 (T4), 5 (T5) and NEMA 3 (N3).

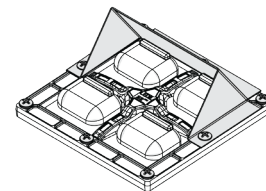
RPA4 / RPA5



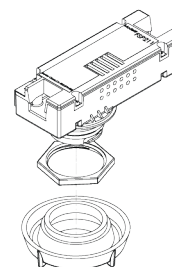
HOUSE SIDE SHIELD



AUTOMOTIVE HOUSE SIDE SHIELD



FSP-211



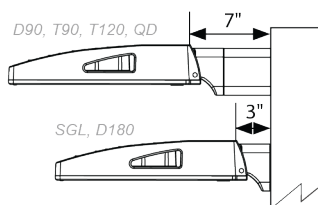
WLS LIGHTING SYSTEMS

6820 Corporation Pkwy
Fort Worth, TX 76126
800.633.8711
www.wslighting.com

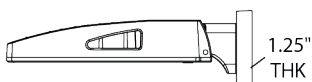
Project Name: _____
Date: _____
Location: _____
Notes: _____

NV SERIES LED AREA

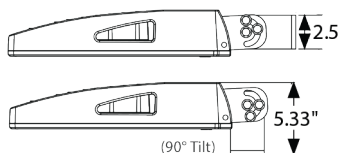
DIRECT POLE (DP) - Standard mounting arm is extruded aluminum in lengths of 3" and 7". *Arm lengths may vary depending on configuration



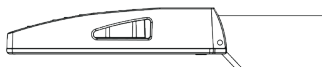
WALL MOUNT (WM) - Cast Aluminum Plate for direct wall mount. 3" extruded aluminum arm mounts directly to a cast wall mount box



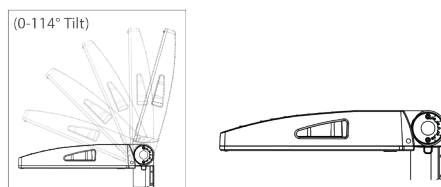
TRUNNION MOUNT (TM) - Steel, bolt-on-mounting for adjustable installation with a maximum uplift of 90 degrees.



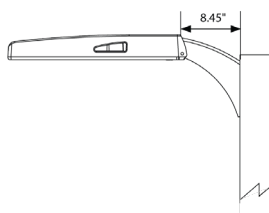
TENNIS ARM (TA) - Steel fitter slips over 3.5" x 1.5" rectangular arm. *See Tennis Arm Spec Sheet for details*Unpainted stainless steel is standard mounts



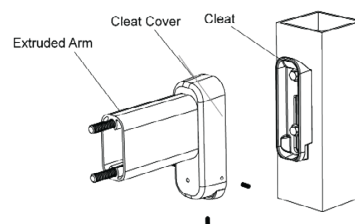
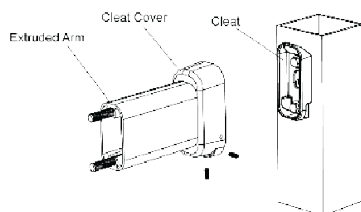
KNUCKLE MOUNT (KM) - Die Cast Knuckle great for adjustable installation on 2-3/8" OD vertical or horizontal tenon.
 • Max Uptilt of 114 degrees
 • Adjustable in 6 degree increments directly to a cast wall mount box



ARCHITECTURAL SWEEP ARM (ASA) - Cast Sweep Arm includes (as standard) Internal Quick Mount Bracket. Standard mounts directly to a cast wall mount box



OPTIONAL - Optional Cast Aluminum Bracket, Quick Mount Bracket (QMB) and Retrofit Quick Mount Bracket (RQMB), designed for quick mounting on Direct Square or Round Poles. Cleat mounts directly to pole for easily hung fixtures.



WLS LIGHTING SYSTEMS

6820 Corporation Pkwy
 Fort Worth, TX 76126
 800.633.8711
www.wslighting.com

Project Name: _____
 Date: _____
 Location: _____
 Notes: _____