

**RESOLUTION No. 22-45**

**A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, APPROVING THE SITE PLAN FOR RAISING CANE'S RESTAURANT FOR THE PROPERTY LOCATED AT 8080 NW 36 STREET, PURSUANT TO SECTION 53-184(F) OF THE CITY'S LAND DEVELOPMENT CODE; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, on November 2, 2016, the City of Doral (the "City") adopted Ordinance No. 2016-29 amending the City's Land Development Code to establish procedures for Mayor and City Council site plan review and approval process; and

**WHEREAS** Raising Cane's Restaurants, LLC (the "Applicant") has submitted an application for Mayor and Council site plan review and approval for Raising Cane's Restaurant for the property located at 8080 NW 36 Street, further identified by folio number 35-3027-001-0091, as legally described in "Exhibit A"; and

**WHEREAS**, a zoning workshop was held on January 20, 2022, at which meeting the public was afforded an opportunity to examine the project and provide feedback; and

**WHEREAS**, the City of Doral staff finds that the proposed site plan complies with the requirements and standards of the City's Land Development Code; and

**WHEREAS**, after notice of public hearing duly published and notifications of all property owners of record within 500-foot radius, a public hearing was held before the Mayor and City Council of the City of Doral on March 23, 2022, at which hearing all interested persons were afforded the opportunity to be heard; and

**WHEREAS**, the Mayor and City Council of the City of Doral find the adoption of this Resolution is in the best interest of the health, safety and welfare of the residents of the City of Doral.

**NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals.** The foregoing recitals are confirmed, adopted, and incorporated herein and made as part hereof by this reference.

**Section 2. Approval.** The Mayor and City Council hereby approve the site plan for Raising Cane's Restaurant for the property located at 8080 NW 36 Street, further identified by folio number 35-3027-001-0091, as legally described in "Exhibit A." The site plan consists of a 3,584 square-foot Raising Cane's Restaurant with a drive-through. A copy of the site plan is provided in "Exhibit B." The approval of the site plan is subject to the following conditions. Violation of these conditions may result in a code compliance citation or the revocation of this Resolution.

1. The proposed project shall be built in substantial compliance with the plans entitled "Raising Cane's Restaurant #0855," prepared by Kimley-Horn and Associates, Inc., dated stamped received February 17, 2022.
2. The project shall be landscaped in accordance with the landscape plan, prepared by Benjamin Van Johnson, dated stamped received February 17, 2022 as amended, and included with the site plan submittal.
3. Compliance with Ordinance No. 2015-09 "Public Arts Program" will be required at the time of building permit. No final approval, such as a final inspection or a certificate of occupancy, for development projects subject to the City's public arts program requirements shall be issued unless one or more of the following has been achieved:
  - I. The approved art has been installed in a manner that is [in] compliance with the requirements set forth in this ordinance and the public arts program guidelines; or
  - II. All in-lieu art fees have been paid; or
  - III. Financial security (including but not limited to a performance bond, letter of credit, or similar instrument) in an amount equal to the acquisition and installation costs of an approved art selection, has been provided to the City in a form approved by the City Attorney and the City Manager, or his/her designee and placed into escrow account; or
  - IV. Donation of art which have been approved by the board are delivered by the applicant to the City and are accepted by the City in accordance with this ordinance.

For purposes of the art program, "artwork" does not include the following:

- a. Directional elements, such as signage or graphics.
  - b. Objects that are mass produced in standard designs.
  - c. Landscape gardening, unless substantially comprising durable.
4. That the Applicant comply with the City's Floodplain Management regulations (Chapter 23, Article II, Floodplain Management) of the Land Development Code.
  5. That the Applicant provide the City a certified drainage inspection report prior to the issuance of a certificate of occupancy.
  6. That the property owner maintains the public rights-of-way adjacent to the property. Maintenance includes trees, plants, sod, and sidewalks within the rights-of-way.
  7. A Stormwater Pollution Prevention Plan (SWPPP) must be submitted by the Applicant at time of building permit. The Plan should provide guidelines for implementing an erosion and sedimentation control program before the site is cleared or graded, including areas where topsoil will be removed, and contours of slopes will be cleared. The Plan shall also include location and type of erosion control measures, storm water and sediment management systems, and a vegetative plan for temporary and permanent stabilization. The Plan shall remain on-site for the duration of the construction activity.
  8. If more than one (1) acre of land is disturbed during construction the Contractor/Developer is responsible to obtain NPDES Stormwater permit coverage through the Florida Department of Environmental Protection (FDEP), Construction Generic Permit (CGP). If the project is less than one (1) acre, but part of a larger common plan of development or sale that will ultimately disturb one or more acres, permit coverage is also required. Instruction to request and obtain a CGP can be found at: <http://www.dep.state.fl.us/water/stormwater/npdes/docs/cgp.pdf>. Contractor/Developer should submit the Notice of Intent (NOI) with the appropriate processing fees to the NPDES Stormwater Notices Center. Contractor/Developer must apply for permit coverage at least two (2) days before construction begins.
  9. Construction shall be permitted only during the hours set forth in Ordinance No. 2011-01 "Noise Ordinance."
  10. That the Applicant comply with all applicable conditions and requirements of the Miami-Dade County Department of Regulatory and Economic Resources.
  11. That the Applicant comply with all applicable conditions and requirements of the Miami-Dade County Fire Rescue Department.
  12. All applicable local, state and federal permits must be obtained before commencement of the development.

13. Issuance of this development permit by the City of Doral does not in any way create any right on the part of an Applicant to obtain a permit from a state or federal agency and does not create any liability on the part of the City of Doral for issuance of the permit if the applicant fails to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.

**Section 3. Effective Date.** This Resolution shall become effective immediately upon its adoption.

The foregoing Resolution was offered by Councilmember Cabrera who moved its adoption. The motion was seconded by Councilmember Puig-Corve and upon being put to a vote, the vote was as follows:

Mayor Juan Carlos Bermudez	Yes
Vice Mayor Digna Cabral	Yes
Councilman Pete Cabrera	Yes
Councilwoman Claudia Mariaca	Yes
Councilman Oscar Puig-Corve	Yes

PASSED AND ADOPTED this 23 day of March, 2022.

  
\_\_\_\_\_  
JUAN CARLOS BERMUDEZ, MAYOR

ATTEST:

  
\_\_\_\_\_  
CONNIE DIAZ, MMC  
CITY CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY  
FOR THE USE AND RELIANCE OF THE CITY OF DORAL ONLY:

  
\_\_\_\_\_  
LUIS FIGUEREDO, ESQ.  
CITY ATTORNEY

# EXHIBIT “A”

**EXHIBIT A**

**LEGAL DESCRIPTION OF SUBJECT PROPERTY**

**SECTION 2) LEGAL DESCRIPTION:**

That portions of the West 1/2 of the Tract 14, "FLORIDA FRUIT LAND COMPANY'S SUBDIVISION NO. 1", in Section 27, Township 53 South, Range 40 East, Miami Dade County, Florida, according to the Plat thereof, as recorded in Plat Book 2, at Page 17, of the Public Records of Miami-Dade County, Florida, lying South of Northwest 36 Street Extension Right-of-Way, and lying East of a line 353.16 feet East of and parallel with the West line of the Northeast 1/4 of Section 27.

**Property Address and Tax Folio Number:**

8050-8080 NW 36 Street Doral, Florida 33166

Folio No. 35-3027-001-0091

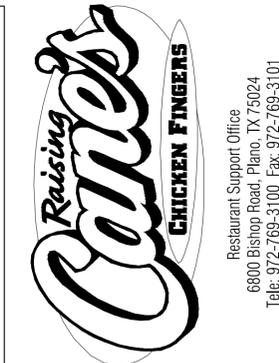
# EXHIBIT “B”

**RECEIVED**  
By Stephanie Puglia at 12:34 pm, Feb 17, 2022

# SITE PLAN SET FOR



RESTAURANT C0855  
8070 NW 36TH STREET  
DORAL, FLORIDA 33166  
SECTION 27, TOWNSHIP 53S, RANGE 40E



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

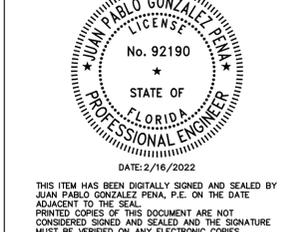
Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley»Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description
△ 1	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**COVER SHEET**

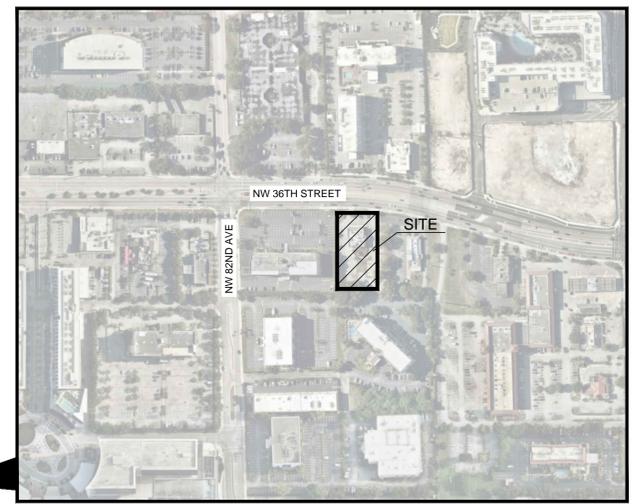
Sheet Number:  
**C1.0**

### GOVERNMENT / UTILITY CONTACTS

UTILITIES DEPARTMENT CONTACT:	MIAMI-DADE COUNTY WATER AND SEWER DEPARTMENT 3575 S. LE JEUNE ROAD MIAMI, FL 33146 PHONE: (786) 268-5273
STORMWATER DEPARTMENT CONTACT:	MIAMI-DADE REGULATORY AND ECONOMIC RESOURCES DEPARTMENT WATER CONTROL SECTION 701 NW 1ST COURT MIAMI, FL 33136 PHONE: (305) 372-6789
ELECTRIC COMPANY CONTACT:	FLORIDA POWER AND LIGHT 10705 QUAIL ROOST DR MIAMI, FL 33157 PHONE: (386) 586-6403
GAS COMPANY CONTACT:	FLORIDA CITY GAS 4045 NW 97TH AVE DORAL, FL 33178 PHONE: (305-835-3624)
COMMUNICATIONS COMPANY CONTACT:	COMCAST CABLE 6565 NOVA DR DAVIE, FL 33317 PHONE: (305) 433-0880



SITE LOCATION MAP  
N.T.S.



GRAPHIC SCALE IN FEET  
0 150 300 600  
VICINITY MAP

### INDEX OF SHEETS

Sheet No.	Sheet Title
C1.0	COVER SHEET
C2.0	GENERAL NOTES
C3.0	EROSION CONTROL PLAN
C3.1	EROSION CONTROL DETAILS
C3.2	EROSION CONTROL NOTES
C4.0	DEMOLITION PLAN
C5.0	SITE KEYNOTE PLAN
C5.1	DIMENSION CONTROL PLAN
C5.2	STRIPING AND SIGNAGE PLAN
C5.3	PAVING AND JOINTING PLAN
C6.0	GRADING PLAN
C7.0	STORM DRAINAGE PLAN
C9.0	WATER & SEWER NOTES
C9.1	WATER PLAN
C9.2	SANITARY SEWER PLAN
C9.3	WATER PROFILE
C9.4	SEWER PROFILES
C10.0	WATER, SEWER AND DRAINAGE UTILITY PLAN (PRIVATE)
C11.0	CONSTRUCTION DETAILS
C11.1	CONSTRUCTION DETAILS
C12.0	OFFSITE IMPROVEMENT PLAN
L-100	TREE SURVEY
L-200	TREE DISPOSITION PLAN
L-250	TREE DISPOSITION NOTES AND DETAILS
L-300	LANDSCAPE PLAN
L-301	LANDSCAPE SCHEDULE AND CODE LEGEND
L-350	LANDSCAPE NOTES
L-351	LANDSCAPE DETAILS
L-400	IRRIGATION PLAN
L-450	IRRIGATION NOTES
L-451	IRRIGATION NOTES AND DETAILS

### PLANS SUBMITTAL/REVIEW LOG

NO.	DESCRIPTION	DATE	MILESTONE FOR REVIEW
1	80% PROGRESS SET	11/17/2021	SITE PLAN
2	SITE PLAN SUBMITTAL	11/19/2021	SITE PLAN
3	SITE PLAN RESUBMITTAL	02/16/2022	SITE PLAN

### CIVIL ENGINEER:

KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIR  
CORAL GABLES, FLORIDA 33134  
PHONE: (305) 535-1460  
JUAN PABLO GONZALEZ PENA

### LANDSCAPE ARCHITECT:

KIMLEY-HORN AND ASSOCIATES, INC.  
355 ALHAMBRA CIR  
CORAL GABLES, FLORIDA 33134  
PHONE: (305) 878-8155  
BEN JOHNSON

### OWNER / DEVELOPER:

RAISING CANES RESTAURANTS, L.L.C.  
6800 BISHOP ROAD  
PLANO, TX 75024  
PHONE: (469) 644-3198  
REBECCA MUNOZ

### ARCHITECT:

CSRS, INC.  
935 GRAVIER ST., SUITE 1650  
NEW ORLEANS, LA 70112  
PHONE: (469) 498-2100  
LISA BACELIS

### SURVEY:

HADONNE  
1985 NW 88TH COURT, SUITE 101  
DORAL, FL 33172  
PHONE: (305) 207-6845  
ABRAHAM HADAD

**CAUTION!!**  
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.







Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

ENTITLEMENTS  
11-16-2021



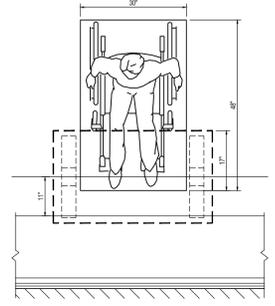
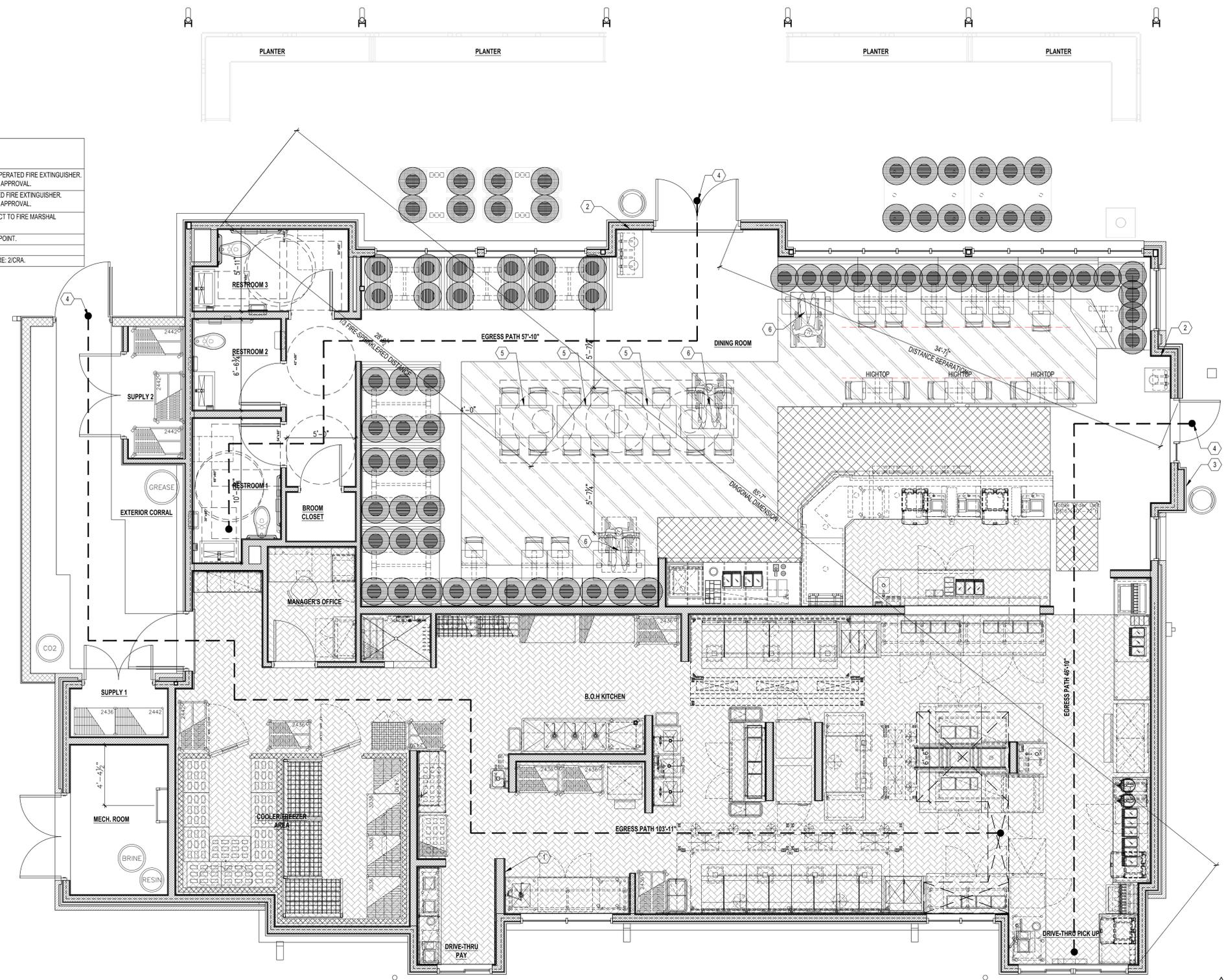
Sheet Versions:

#	Date	Description
1	2/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

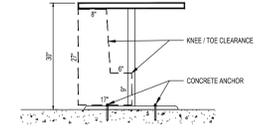
Sheet Title:

CODE REFERENCE ANALYSIS  
Sheet Number:  
**01 CRA**

CODE INFORMATION		KEYNOTES	
FLORIDA BUILDING CODE, 7th ed.		1	PROVIDE 6 LB. 40 BC CLASS 'K' HAND OPERATED FIRE EXTINGUISHER. LOCATION SUBJECT TO FIRE MARSHAL APPROVAL.
OCUPANCY	ASSEMBLY (A2)	2	PROVIDE 5 LB. 2A10 BC HAND OPERATED FIRE EXTINGUISHER. LOCATION SUBJECT TO FIRE MARSHAL APPROVAL.
CONSTRUCTION TYPE	TYPE VB	3	PROVIDE KNOX BOX. LOCATION SUBJECT TO FIRE MARSHAL APPROVAL.
HEIGHT OF BUILDING	40-FEET ALLOWED	4	ACCESSIBLE PUBLIC ENTRY / EGRESS POINT.
MAXIMUM STORIES	ONE (1)	5	STANDARD FIXED DINING SURFACE.
MAXIMUM AREA	5,000 ALLOWED	6	ACCESSIBLE FIXED DINING SURFACE, RE: 2/CRA.
OCCUPANT LOAD	133 OCCUPANTS		
MAXIMUM TRAVEL DISTANCE	200-FEET (250-FEET SPRINKLERED)		
MAXIMUM DEAD-END CORRIDOR	20-FEET		
MAXIMUM EGRESS WIDTH	0.2 INCHES PER PERSON		
MINIMUM CORRIDOR WIDTH	44 INCHES		
MINIMUM CLEAR OPENING	32 INCHES		
MINIMUM # OF EXITS	TWO (2)		
FLORIDA FIRE PROTECTION CODE, 7th ed.			
OCUPANCY	ASSEMBLY (A-2)		
CONSTRUCTION TYPE	NO SPECIAL REQUIREMENTS		
OCCUPANT LOAD	133 OCCUPANTS		
COMMON PATH LIMIT	20-FEET		
DEAD END CORRIDOR	20-FEET		
MINIMUM EGRESS WIDTH	0.2 INCHES PER PERSON		
MAXIMUM TRAVEL DISTANCE	200-FEET (250-FEET SPRINKLERED)		
BUILDING STATISTICS			
BUILDING FOOT PRINT	3,181 S.F.		
GROSS AREA (CONDITIONED SPACE)	2,863 S.F.		
SEAT COUNT	99 (INTERIOR)		
BUILDING HEIGHT	19'-10" T.O. TALLEST TOWER		
DESIGN WIND SPEED	166 MPH		
FBC WIND-BORNE DEBRIS REGION	FBC SECTION 1609 YES- 166 MPH		
IECC CLIMATE ZONE	ZONE 1 SECTION C301		
BUILDING SPRINKLER REQUIRED	YES		
PATIO SPRINKLER REQUIRED	NO		
ROOF SCREEN REQUIRED	TBD		
DUMPSTER ROOF REQUIRED	YES		
INSECT SCREEN REQUIRED	NO		
PROJECT REPORTS			
ASBESTOS SURVEY	REPORT RECEIVED 11/11/2021		
GEOTECHNICAL REPORT	REPORT RECEIVED 11/12/2021		



2 | ADA CLEARANCES FOR ACCESSIBLE TABLES  
1/2" = 1'-0"



3 | ADA CLEARANCES FOR ACCESSIBLE TABLES  
1/2" = 1'-0"

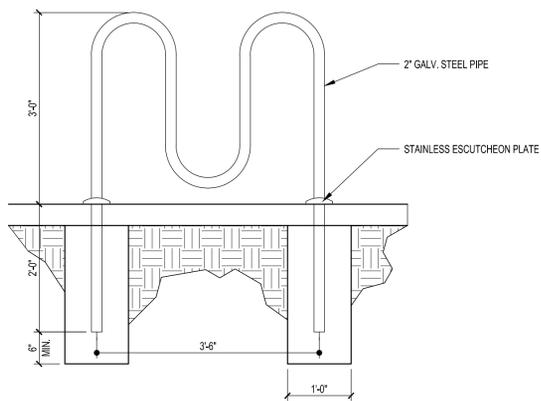
**FBC 7th ed. - PLUMBING FIXTURE COUNT CALCULATION**

MEN:	WOMEN:
149 / 2 = 74.5 OCCUPANTS	149 / 2 = 74.5 OCCUPANTS
REQUIRED WATER CLOSET: 1 PER 75 OCCUPANTS = 1	REQUIRED WATER CLOSET: 1 PER 75 OCCUPANTS = 1
TOTAL REQUIRED WATER CLOSET = 2	TOTAL PROVIDED WATER CLOSET = 3

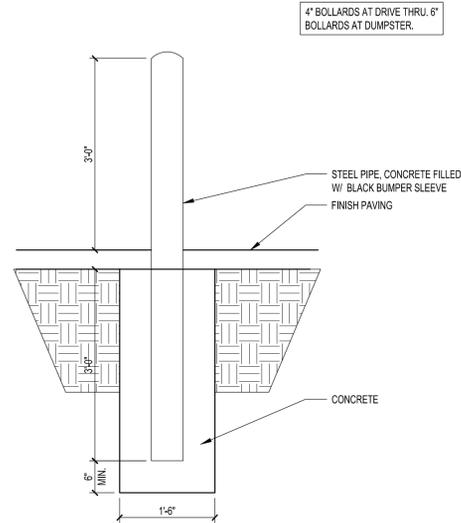
**FBC 7th ed. - LIFE SAFETY OCCUPANT LOAD CALCULATION**

FUNCTION	NET AREA	AREA PER OCCUPANT	OCCUPANT LOAD
ASSEMBLY (TABLES & CHAIRS)	488 S.F.	15 S.F. / OCCUPANT	33 OCCUPANTS
ASSEMBLY (SEAT COUNT)	91.5 L.F.	1.5 L.F. / OCCUPANT	57 OCCUPANTS
ASSEMBLY (STANDING)	156 S.F.	7 S.F. / OCCUPANT	22 OCCUPANTS
KITCHEN (KITCHEN & COOLER)	1,675 S.F.	100 S.F. / OCCUPANT	17 OCCUPANTS
TOTAL OCCUPANTS			133 OCCUPANTS

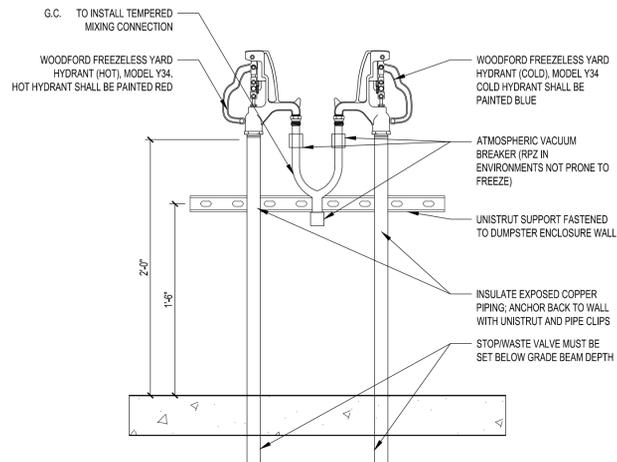
1 | LIFE SAFETY PLAN  
1/4" = 1'-0"



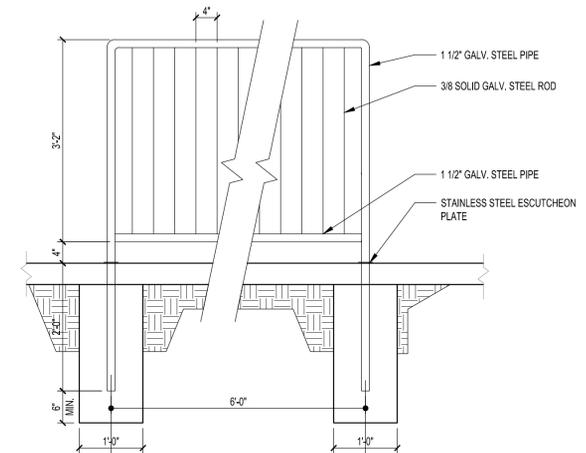
**1 | BIKE RACK**  
3/4" = 1'-0"



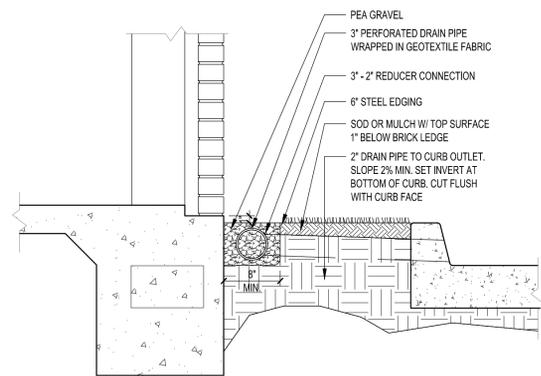
**2 | PIPE BOLLARD**  
3/4" = 1'-0"



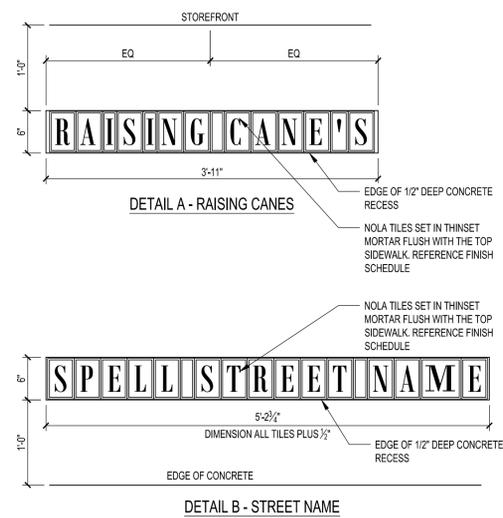
**3 | POST HYDRANT**  
1 1/2" = 1'-0"



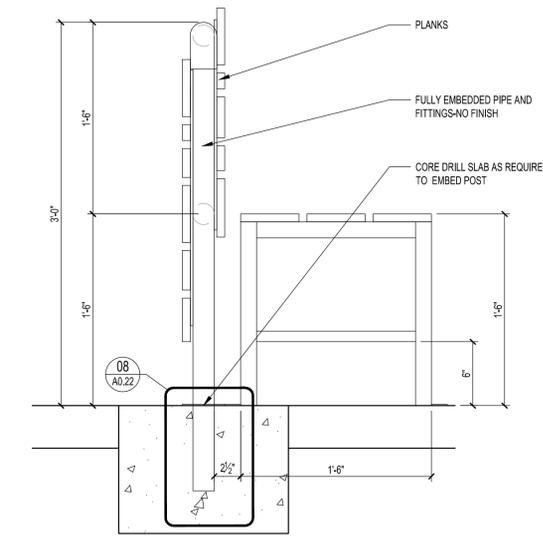
**4 | GUARD RAIL**  
3/4" = 1'-0"



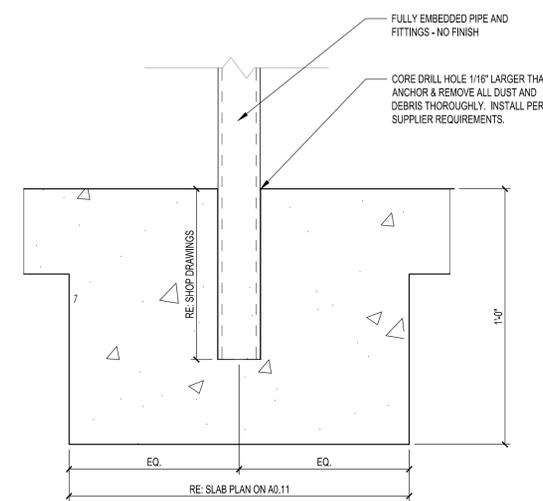
**5 | FRENCH DRAIN**  
1" = 1'-0"



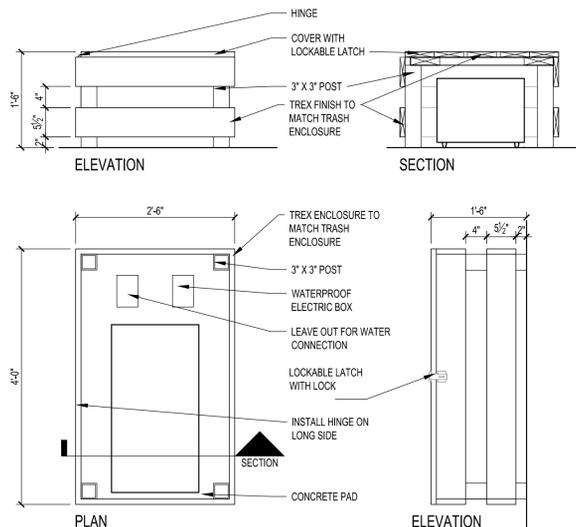
**6 | NOLA TILES INSTALLATION**  
1" = 1'-0"



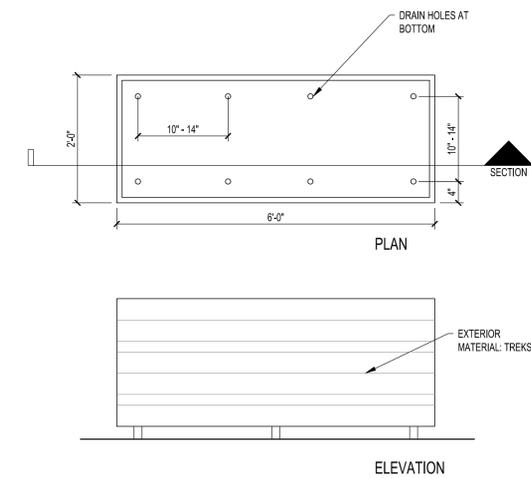
**7 | EMBEDDED PATIO FURNITURE**  
1 1/2" = 1'-0"



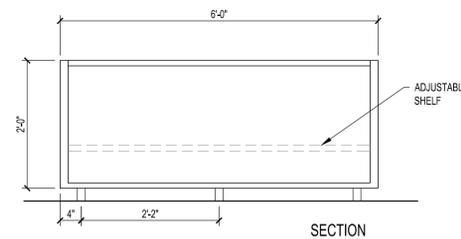
**8 | PATIO POST DETAIL**  
3" = 1'-0"



**9 | MISTER PUMP LANDSCAPE ENCLOSURE**  
3/4" = 1'-0"



**10 | MODULAR PLANTER SYSTEM**  
3/4" = 1'-0"



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
**Raising Cane's**  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

ENTITLEMENTS  
11-16-2021



Sheet Versions:

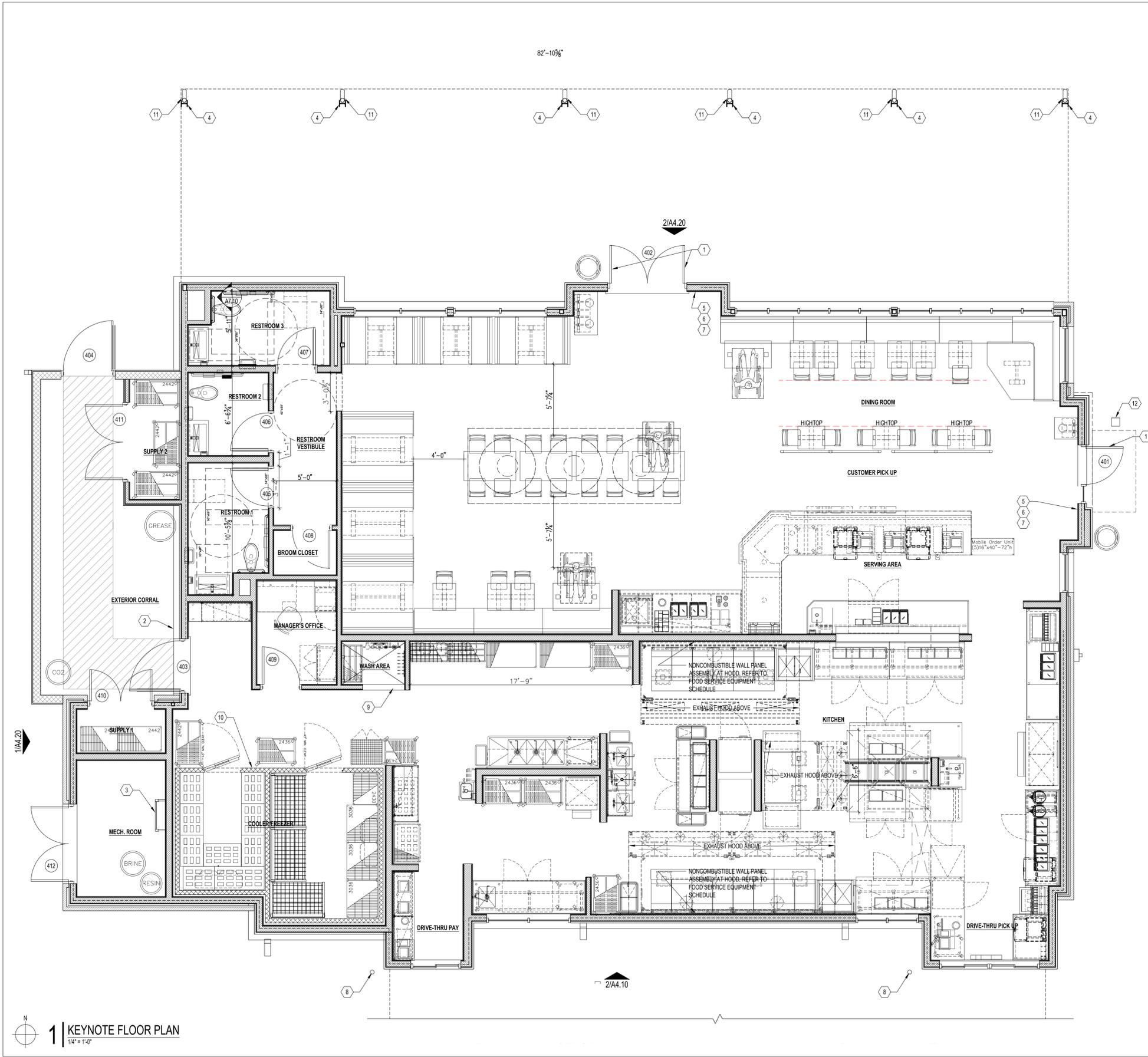
#	Date	Description
1	2/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:

**SITE DETAILS**

Sheet Number:

**A0.30**



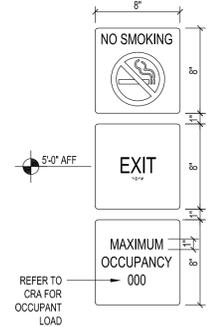
**KEYNOTES**

1	INSTALL DOOR STOP AT MID PANEL TO ALLOW 90 DEGREE SWING MIN VERIFY MAX. SWING WILL NOT IMPACT ADJACENT BRICK
2	PROVIDE BUZZER
3	ROOF ACCESS LADDER
4	STEEL COLUMN, RE: STRUCTURAL
5	BRILLE & RAISED LETTERING EXIT SIGNAGE PER ADAAG 703. RE: 2/A1.10
6	MAXIMUM OCCUPANCY SIGN. RE: 2/A1.10
7	NO SMOKING SIGN. RE: 2/A1.10
8	PIPE BOLLARD. RE: SITE DETAILS
9	EDGE OF MOP SINK SLOPE 1:3
10	ENCLOSE AREA ABOVE WALK-IN COOLER FULLY TO CEILING
11	3" PVC DRAIN LINE TO CURB OUTLET. DO NOT DISCHARGE TO LANDSCAPING
12	SQUARE UPLIGHT RECESSED INTO PAVING. RE: ELEC. FOR INSTALLATION DETAIL

**SYMBOL LEGEND**

(00)	WINDOW DESIGNATION
—(00)	KEY NOTE
(000)	DOOR DESIGNATION
ROOM NAME	ROOM NAME
(00 / A0.00)	DETAIL OR SECTION DESIGNATION
00 (A0.00) 00	INTERIOR ELEVATION MARK
0/A0.00	EXTERIOR ELEVATION MARK
(XXX-X)	FINISH TAG

NOTE: ALL SIGNAGE SHALL BE BLACK BACKGROUND WITH WHITE TEXT.



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
**Raising Cane's**  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

**ENTITLEMENTS**  
11-16-2021



Sheet Versions:

#	Date	Description
1	02/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:

Keynote  
Floor Plan

Sheet Number:  
**A1.10**

**1 KEYNOTE FLOOR PLAN**  
1/4" = 1'-0"



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

ENTITLEMENTS  
11-16-2021



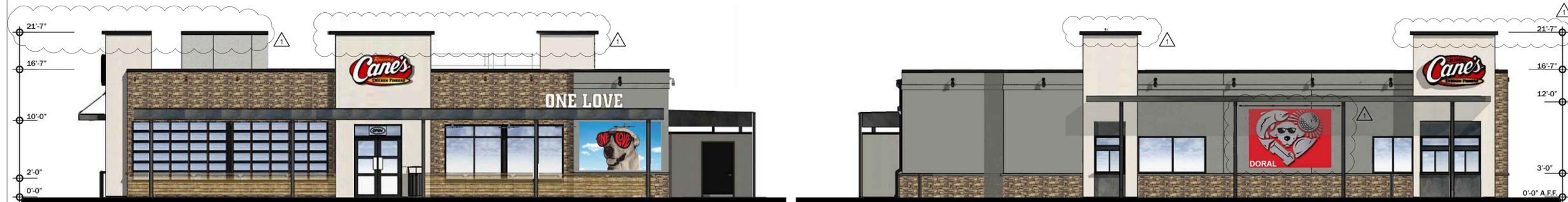
Sheet Versions:

#	Date	Description
1	02/16/2022	REVISION 1
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:

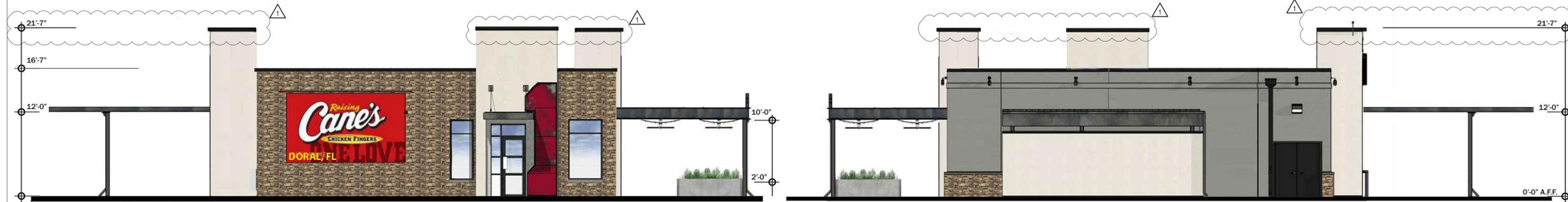
COLOR  
RENDERINGS

Sheet Number:  
**A4.00**



SIDE ENTRY ELEVATION  
SCALE: 1" = 12'-0"

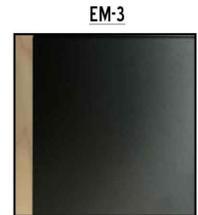
DRIVE THRU ELEVATION  
SCALE: 1" = 12'-0"



FRONT ENTRY ELEVATION  
SCALE: 1" = 12'-0"

REAR ELEVATION  
SCALE: 1" = 12'-0"

MATERIAL FINISHES



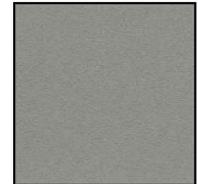
EM-3  
POWDER COATED STEEL,  
MATTE BLACK FINISH



EM-4  
RECLAIMED METAL PANEL:  
VINTAGE CAR HOOD  
OCCURS AT FACE OF THE  
"I" ELEMENT ONLY



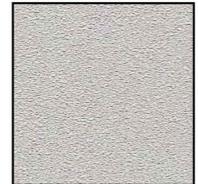
EWF-1  
Cultured Stone:  
El Dorado Stone-Mountain  
Ledge, Durango



EWF-2  
"SW 7669 SUMMIT GRAY" PORTLAND  
CEMENT STUCCO



EWF-4  
Cultured Stone:  
El Dorado Stone-Mountain  
Ledge, Durango



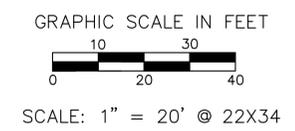
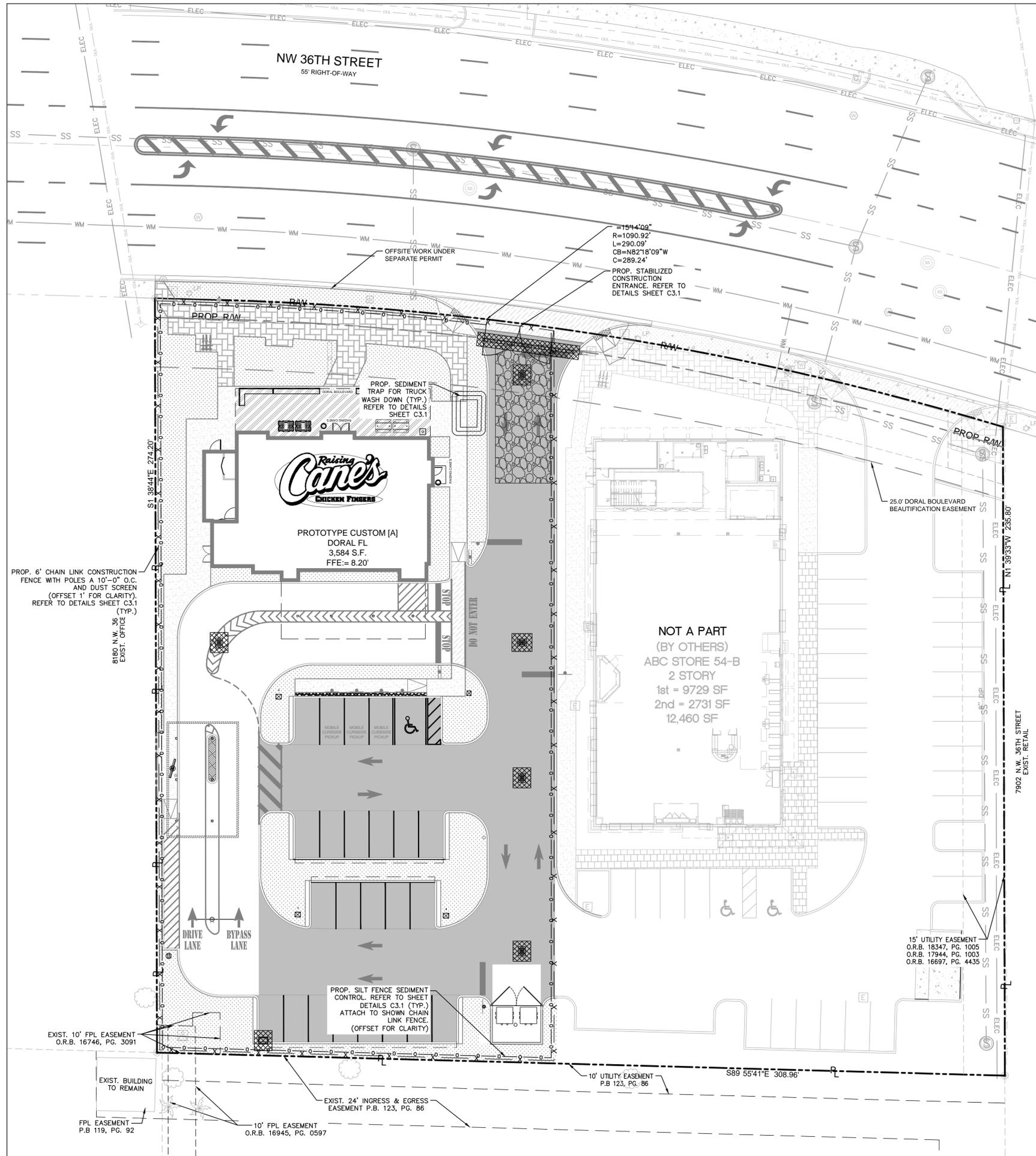
EWF-5  
"132 MOUNTAIN FOG" PORTLAND  
CEMENT STUCCO



EWF-6  
"456 OYSTER SHELL"  
CEMENT STUCCO



EWS-2  
ALUMINUM STOREFRONT SYSTEM  
FINISH: ANODIZED BLACK



**LEGEND**

R/W	FL	RIGHT-OF-WAY LINE OR PROPERTY LINE
- - -	- - -	PROP. SILT FENCE
x - x	x - x	PROP. TEMPORARY CHAIN LINK FENCE
□	□	PROP. INLET PROTECTION



Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley-Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696

**JUAN PABLO GONZALEZ PENA, P.E.**  
No. 92190  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
DATE: 2/16/2022

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

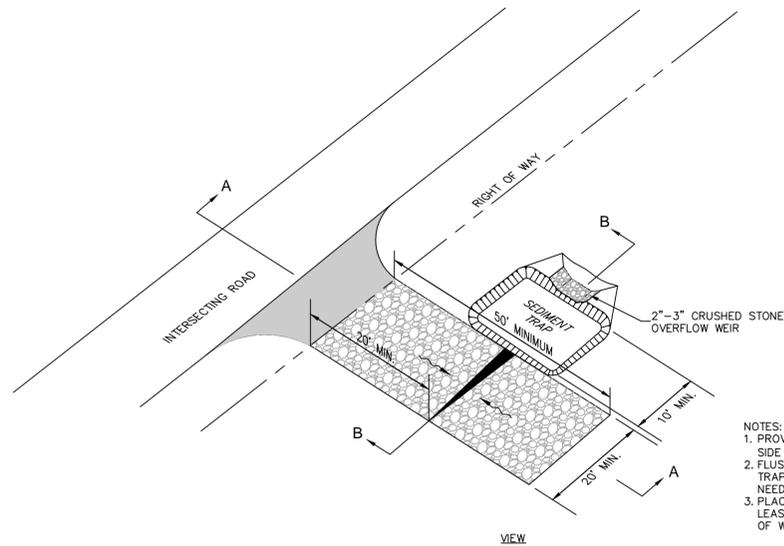
#	Date	Description

Sheet Title:  
**EROSION CONTROL PLAN**

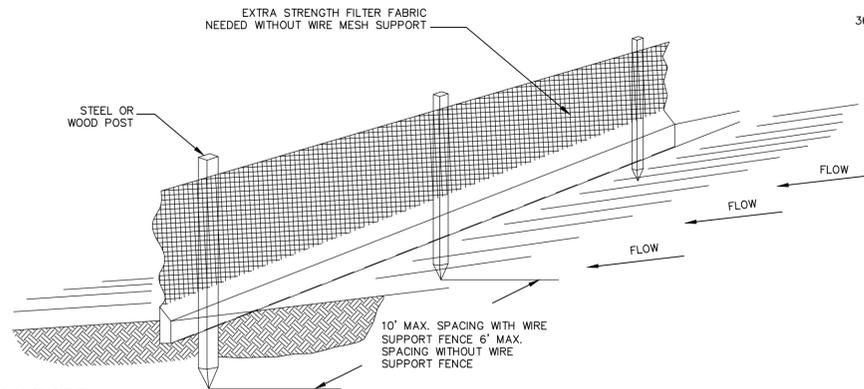
Sheet Number:

**C3.0**





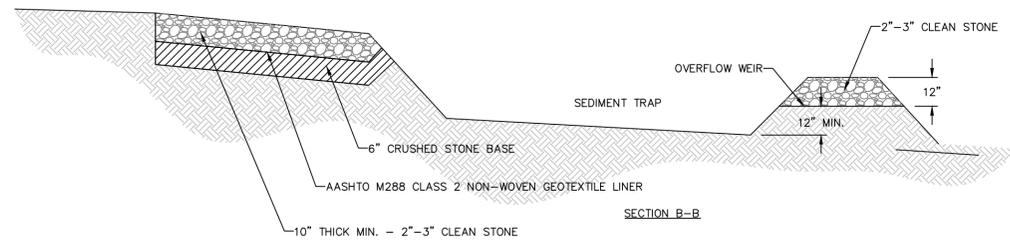
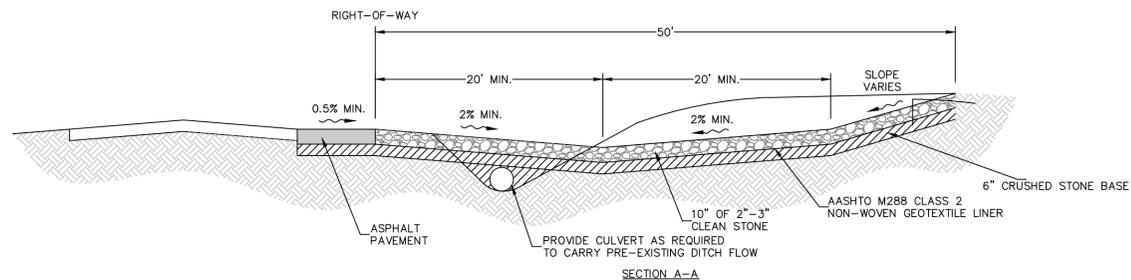
NOTES:  
 1. PROVIDE SEDIMENT TRAP ON DOWN GRADIENT SIDE (OR BOTH SIDES) AS REQUIRED.  
 2. FLUSH SURFACE STONE TOWARD SEDIMENT TRAP WITH HIGH VOLUME WATER FLOW AS NEEDED TO MAINTAIN CLEAN SURFACE STONE.  
 3. PLACEMENT OF SEDIMENT TRAP SHALL BE AT LEAST THE MINIMUM DISTANCE FROM THE RIGHT OF WAY AS REQUIRED BY LOCAL JURISDICTION.



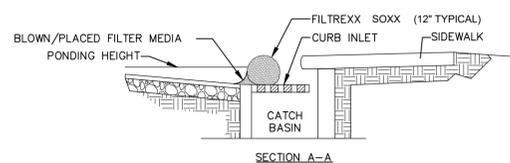
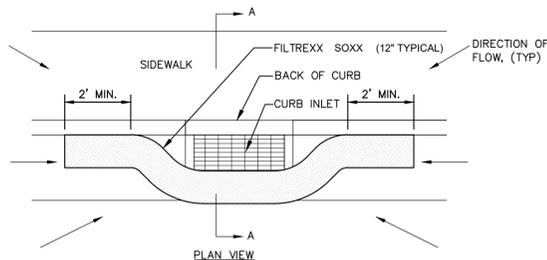
NOTE:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

**SILT FENCE DETAIL**  
N.T.S.



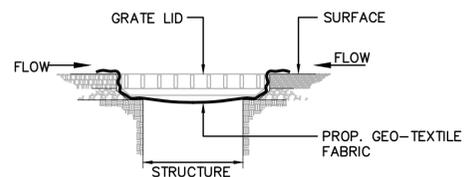
**STABILIZED CONSTRUCTION ENTRANCE (SCE)**  
N.T.S.



NOTES:

1. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.
2. FILTER MEDIA/FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

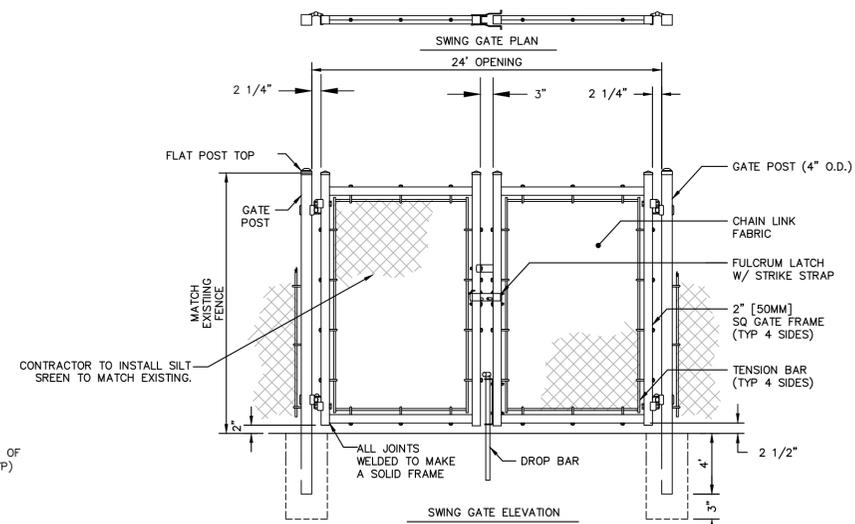
**FILTREXX CURB INLET PROTECTION**  
(OR APPROVED EQUAL)  
N.T.S.



NOTES:

1. CONTRACTOR SHALL PERFORM DAILY INSPECTIONS OF GEO-TEXTILE FABRIC BARRIER AND AS NECESSARY REPLACE OR REPAIR AS REQUIRED. SPECIFICALLY AFTER STORM EVENTS AND LARGE RAINFALL EVENTS.
2. SEDIMENTATION AND DEBRIS THAT ARE REMOVED FROM BARRIERS SHALL BE LEGALLY DISPOSED OF AT AN AUTHORIZED OFF-SITE DISPOSAL FACILITY.

**CATCH BASIN/ TRENCH DRAIN/ DRAINAGE WELL SEDIMENT BARRIER DETAIL**  
N.T.S.



GATE NOTES:

1. GATE MATERIAL SHALL MATCH EXISTING GATES/FENCE.
2. BRACING SHALL BE PROVIDED.
3. GATES ARE MANUALLY OPERATED.

**TEMPORARY 24' WIDE SWING GATES (FIRE DEPARTMENT ACCESSIBLE)**  
N.T.S.



Restaurant Support Office  
 6800 Bishop Road, Plano, TX 75024  
 Tele: 972-769-3100 Fax: 972-769-3101

Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 95 Merrick Way, 3rd floor  
 Coral Gables, Florida 33134  
 Telephone: 469-498-2100  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley-Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description

Sheet Title:

**EROSION CONTROL DETAILS**

Sheet Number:

C3.1



# EROSION CONTROL NOTES AND SPECIFICATIONS:

## I. BEST MANAGEMENT PRACTICES (BMPs):

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF THE MIAMI-DADE COUNTY LAND DEVELOPMENT REGULATIONS, THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CHAPTER 17-25, F.A.C., THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), CHAPTER 400-4, F.A.C. AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA) DOCUMENT NO. EPA 832/R-92-005 (SEPTEMBER 1992). THE PLAN ADDRESSES THE FOLLOWING:

- 1. PREVENT LOSS OF SOIL DURING CONSTRUCTION BY STORMWATER RUNOFF AND/OR WIND EROSION, INCLUDING PROTECTING TOPSOIL BY STOCKPILING FOR REUSE.
2. SEDIMENTATION PROTECTION OF STORM SEWER OR RECEIVING STREAM.
3. PREVENT POLLUTING THE AIR WITH DUST AND PARTICULATE MATTER. THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. ALSO IDENTIFIED IS A CROSS-REFERENCE TO A DIAGRAM OR FIGURE REPRESENTING THE TECHNIQUE. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. CONTRACTOR SHALL PREPARE REQUIRED NPDES DOCUMENTATION AND OBTAIN PERMIT PRIOR TO COMMENCEMENT OF CONSTRUCTION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE THE REQUIRED NPDES DOCUMENT AND OBTAIN THE NPDES PERMIT. ALL COST ASSOCIATED WITH SUCH WORK SHALL BE DEEMED INCIDENTAL TO THE PROJECT LUMP SUM COST.

## II. GENERAL EROSION CONTROL NOTES:

- 1. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS COMPRISED OF THESE EROSION CONTROL DRAWINGS, THE STANDARD DETAILS, THE NPDES PERMIT (TO BE OBTAINED BY CONTRACTOR) AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THIS DRAWING AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES (BMP) IN ALL CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
A. FUEL SPILLS AND LEAKS PREVENTION
B. PREVENT/REDUCE VEHICLE AND EQUIPMENT WASHING AND STEAM CLEANING
C. VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR
D. PROPER OUTDOOR LOADING/UNLOADING OF MATERIALS
E. PREVENT/REDUCE OUTDOOR STORAGE OF RAW MATERIALS, PRODUCTS, AND BY-PRODUCTS
F. SOIL/WASTE MANAGEMENT
G. HAZARDOUS WASTE MANAGEMENT
H. CONCRETE WASTE MANAGEMENT
I. SANDBLASTING WASTE MANAGEMENT
J. STRUCTURE CONSTRUCTION AND PAINTING
K. SPILL PREVENTION AND CONTROL
L. CONTAMINATED SOIL MANAGEMENT
M. SANITARY/SEPTIC WASTE MANAGEMENT
N. SOIL EROSION CONTROL
O. STORM WATER TURBIDITY MANAGEMENT
4. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
A. BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
B. SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. CONTRACTOR MUST MAINTAIN ALL PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS ON SITE AT ALL TIMES.
C. CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
D. CONTRACTOR SHALL BEGIN CLEARING AND GRUBBING THOSE PORTIONS OF THE SITE NECESSARY TO IMPLEMENT PERIMETER CONTROL MEASURES. CLEARING AND GRUBBING FOR THE REMAINING PORTIONS OF THE PROPOSED SITE SHALL COMMENCE ONCE PERIMETER CONTROLS ARE IN PLACE. PERIMETER CONTROLS SHALL BE ACTIVELY MAINTAINED UNTIL SAID AREAS HAVE BEEN STABILIZED AND SHALL BE REMOVED ONCE FINAL STABILIZATION IS COMPLETE.
E. GENERAL EROSION CONTROL BMPs SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL LAKE SLOPE CAVES. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION.
F. ON-SITE & OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
G. SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BMP'S IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

## III. STORMWATER EROSION CONTROL NOTES:

- 1. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT FROM DETENTION PONDS AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
2. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
3. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (COMPOST SOCK DEVICES, ETC.) TO PREVENT EROSION.
4. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
5. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
A. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
B. STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.
C. WHEN NEEDED A TEMPORARY SEDIMENT TRAP SHOULD BE CONSTRUCTION TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS.
6. SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.
7. SOD SHALL BE PLACED FOR A 2-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS. SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.
8. WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED.
9. FILTER FABRIC SHOULD BE USED FOR STORM DRAIN INLET PROTECTION BEFORE FINAL STABILIZATION.

## IV. STABILIZATION NOTES:

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO. 62-621.300(4)(c)

## V. STRUCTURAL NOTES:

SHALL BE IN ACCORDANCE WITH DEP DOCUMENT NO. 62-621.300(4)(c)

## VI. WASTE DISPOSAL NOTES:

- 1. WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.
2. HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.
3. SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.
4. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.

## VII. MAINTENANCE NOTES:

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

- 1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
3. THE COMPOST SOCK FILTRATION DEVICE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF DEVICE. COMPOST SOCK SHALL BE REPAIRED TO ITS ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE COMPOST SOCK WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE COMPOST SOCK.
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 10% AND AFTER CONSTRUCTION IS COMPLETE.
7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN TWENTY-FOUR (24) HOURS FOLLOWING THE INSPECTION. DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
8. A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
9. THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.
10. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.

## VIII. OFFSITE TRACKING NOTES:

- 1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPULAIN.
2. GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATION PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. HEAVY CONSTRUCTION PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.
3. ALL WASH WATER FROM CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC. SHALL BE DETAINED ON SITE AND SHALL BE PROPERLY TREATED OR DISPOSED.
4. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

## IX. SPILL PREVENTION AND CONTROL NOTES:

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

- 1. GOOD HOUSEKEEPING
A. SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
B. STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
C. ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
D. ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
E. PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
F. ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. HAZARDOUS PRODUCTS
A. MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
B. PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.
3. PRODUCT SPECIFIC PRACTICES
A. PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

- B. THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.
C. PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.
D. CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

## X. SPILL CLEAN UP NOTES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED ABOVE, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- 1. SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
2. THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
3. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ONSITE AND READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
4. ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
5. WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
6. TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
7. AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
8. THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

## XI. WIND EROSION CONTROL NOTES:

- 1. WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:
A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
B. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEED. (SEE PERMANENT STABILIZATION PRACTICES FOR DETAILS). THESE AREAS SHALL BE SEEDD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN. CLEARED SITE DEVELOPMENT AREAS NOT CONTINUALLY SCHEDULED FOR CONSTRUCTION ACTIVITIES SHALL BE COVERED WITH HAY OR OVERSEEDD AND PERIODICALLY WATERED SUFFICIENTLY TO STABILIZE THE TEMPORARY GROUNDCOVER (SEE TEMPORARY STABILIZATION PRACTICES FOR DETAILS).
C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS SHOULD INCLUDE ERECTION OF DUST CONTROL FENCES. A 6-FT GEOTEXTILE FILTER FABRIC SHOULD BE HANGING AGAINST THE EXISTING CHAIN LINK FENCE AND GATE.
2. ALL DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.

## XII. STORMWATER POLLUTION PREVENTION PRACTICES:(FOR PROJECTS OF 0.5 ACRES OR MORE CITY ORDINANCE NUMBER 13081)

- 1. TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND/OR PER TREE ORDINANCE 12636.
2. THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES, FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS. ANY MODIFICATIONS MUST BE APPROVED BY THE CITY OF MIAMI - NPDES SECTION, DEPARTMENT OF PUBLIC WORKS.
3. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED ON SHEET 2 OF 4 OF THE MISC. 35-89-5 OF THE CITY OF MIAMI PUBLIC WORKS ENGINEERING STANDARD FOR DESIGN AND CONSTRUCTION MANUAL.
4. ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS. THE CONTRACTOR MUST ENSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
6. ANY DAMAGE OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE OF INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
8. CURB INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLETS SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES.
9. STOCKPILED MATERIAL SHALL NOTE BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BY NOTED AND CORRECTED.
11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORMWATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED. REFER TO PUBLIC WORKS BULLETIN NO. 25.
12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED. REFER TO PUBLIC WORKS BULLETIN NO. 25.

## XII. PROJECT DESCRIPTION:

- 13. PROJECT LOCATION: 8070 NW 36TH STREET DORAL, FLORIDA 33166
14. PROJECT LIMITS: FULL SITE: 0.91 ACRES
15. CONSTRUCTION ACTIVITY: CONSTRUCTION OF PROPOSED BUILDING, PARKING AREA, SIDEWALKS, LANDSCAPING, UTILITIES, AND DRAINAGE SYSTEM.
16. MAJOR SOIL DISTURBING ACTIVITIES: CLEARING AND GRUBBING, INSTALLATION OF DRAINAGE SYSTEM, INSTALLATION OF UTILITIES, CONSTRUCTION OF BUILDING FOUNDATION.
17. DEWATERING ACTIVITIES: IF ANY DEWATERING ACTIVITY IS REQUIRED FOR THIS PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING AN APPLICATION FOR CLASS V PERMIT TO THE DIVISION OF ENVIRONMENTAL RESOURCES MANAGEMENT.

18. SOIL CHARACTERISTICS: THE SOIL TYPE WITHIN THE PROJECT'S LIMIT OF DISTURBANCE IS CLASSIFIED AS URBAN SOIL AND IS NOT HIGHLY ERODIBLE.

Table with 3 columns: Runoff Coefficients, Existing, Proposed. Values range from 0.80 to 0.90.

## XII. SEQUENCE OF CONSTRUCTION:

SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:

- 1. PRIOR TO COMMENCEMENT OF ANY EARTH DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING, INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE EROSION CONTROL PLAN, STANDARD DETAILS, NPDES REQUIREMENTS, AND MIAMI-DADE COUNTY PUBLIC WORKS ENGINEERING STANDARD FOR DESIGN AND CONSTRUCTION MANUAL.
2. BEGIN CLEARING AND GRUBBING.
3. INSTALL DRAINAGE SYSTEM, INCLUDING: CONCRETE INLETS, DRAIN BASINS, DRAINAGE PIPES AND INFILTRATION TRENCHES.
4. INSTALL INLET PROTECTION AND ROCK BAGS ON ALL INLETS AND MANHOLES IN THE LOCATIONS SHOWN ON THE PLANS AND PER THE STANDARD DETAILS PROVIDED AND MIAMI-DADE COUNTY PUBLIC WORKS ENGINEERING STANDARD FOR DESIGN AND CONSTRUCTION MANUAL.
5. PREPARE SUBBASE MATERIAL.
6. BEGIN ASPHALT AND CONCRETE INSTALLATION.
7. AFTER COMPLETION OF SITE WORK, BEGIN SITE STABILIZATION AND PERMANENT SEEDING.
8. ONCE SITE STABILIZATION IS COMPLETE, CONTRACTOR TO CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE.
9. ONCE A UNIFORM 70% VEGETATIVE COVER OF PERENNIAL VEGETATION IS ACHIEVED ACROSS THE ENTIRE DISTURBED AREA THE REMOVAL OF TEMPORARY EROSION CONTROL MEASURES MAY BEGIN.



Store:

Raising Cane's Restaurant #0855 8070 NW 36th Street Doral, FL 33166 CUSTOM [A]

Designer's Information:



95 Merrick Way, 3rd floor Coral Gables, Florida 33134 Telephone: 469-498-2100 www.crsrinc.com

Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF



355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134 PHONE: 305-473-2025 WWW.KIMLEY-HORN.COM REGISTRY NO. 696



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Table with 3 columns: #, Date, Description. Used for tracking sheet revisions.

Sheet Title:

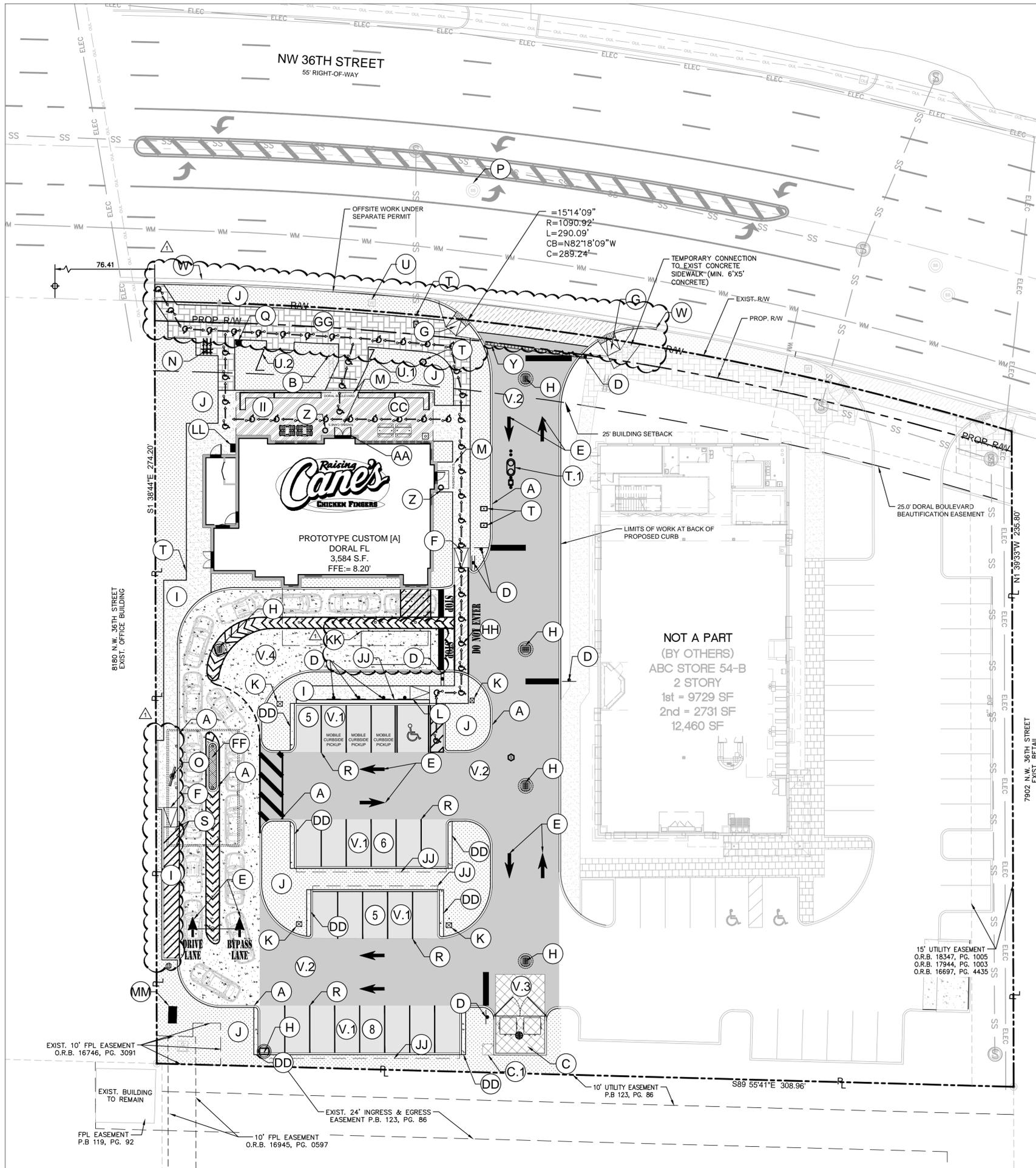
## EROSION CONTROL NOTES

Sheet Number:

C3.2

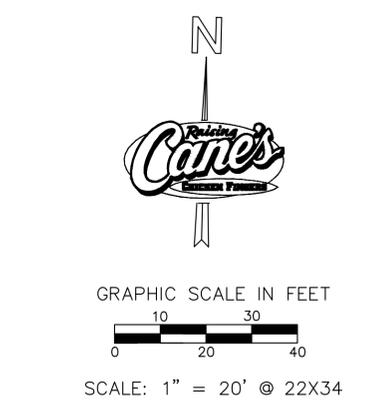






### KEYNOTE LEGEND

(A)	TYPE 'D' CURB. REFERENCE SHEET C11.0 CONSTRUCTION DETAILS.
(B)	PROPOSED CANE'S SIGN LOCATION.
(C)	RECYCLING/TRASH DUMPSTER LOCATION. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF SCREENING, GATES, BOLLARDS AND MASONRY.
(C1)	4'X4' CONCRETE PAD FOR CONDENSING UNIT SERVICING ENCLOSED DUMPSTER AREA (TO BE SCREENED WITH LANDSCAPING).
(D)	SITE DIRECTIONAL SIGN. REFERENCE SHEET C5.2 STRIPING AND SIGNAGE PLAN FOR TYPE.
(E)	DIRECTIONAL PAVEMENT MARKING. REFERENCE SHEET C5.2 STRIPING AND SIGNAGE PLAN.
(F)	SIDEWALK ADJUSTMENT FDOT TYPE 'CR-E' CURB RAMP. PER STD INDEX 522-002
(G)	SIDEWALK ADJUSTMENT FDOT TYPE 'CR-A' CURB RAMP. PER STD INDEX 522-002
(H)	PROPOSED STORM SEWER INLET. REFERENCE SHEET C7.0 DRAINAGE PLAN.
(I)	CONCRETE SIDEWALK. SEE DETAIL SHEET.
(J)	LANDSCAPE AREA. REFERENCE LANDSCAPE PLANS.
(K)	SITE LIGHTING. REFER TO LIGHTING PLANS FOR DETAILS.
(L)	ACCESSIBLE PARKING SIGN REFERENCE SHEET C5.2 STRIPING AND SIGNAGE PLAN.
(M)	RAISING CANE'S NOLA TILES PER PROTOTYPE
(N)	BICYCLE RACK. SEE ARCHITECTURAL PLANS FOR DETAILS.
(O)	DRIVE THRU ORDER BOARD, PRE-ORDER BOARD OR HEIGHT DETECTOR. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
(P)	EXISTING SANITARY SEWER MANHOLE.
(Q)	REMOVE P.C. SEE CONSTRUCTION DETAILS.
(R)	4' WHITE PARKING STRIPING REFERENCE SHEET C5.2 STRIPING AND SIGNAGE PLAN.
(S)	BOLLARD. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
(T)	PROPOSED PRIVATE SANITARY SEWER CLEANOUTS.
(T1)	PROPOSED SANITARY SEWER GREASE TRAP. REFERENCE ARCHITECTURAL/MEP PLANS FOR DETAILS.
(U)	EXISTING WATER METER.
(U1)	PROPOSED IRRIGATION BACKFLOW PREVENTOR. (TO BE SCREENED WITH LANDSCAPE)
(U2)	PROPOSED FIRE SERVICE BACKFLOW PREVENTOR. (TO BE SCREENED WITH LANDSCAPE)
(V.1)	STANDARD ASPHALT P.V.M.T. SEE SHEET C11.0 CONSTRUCTION DETAILS.
(V.2)	HEAVY DUTY ASPHALT P.V.M.T. SEE SHEET C11.0 CONSTRUCTION DETAILS.
(V.3)	7' HEAVY DUTY CONCRETE SEE SHEET C11.0 CONSTRUCTION DETAILS.
(V.4)	6' STANDARD CONCRETE SEE SHEET C11.0 CONSTRUCTION DETAILS.
(V)	SAWCUT LINE.
(W)	TRASH PAD. REFERENCE ARCHITECTURAL SITE DETAILS.
(AA)	BUSINESS NAME TILES. REFERENCE ARCHITECTURAL PLANS FOR DETAILS.
(CC)	PROPOSED PATIO. REFERENCE ARCHITECTURAL PLANS FOR SEATING AND SPACING LAYOUT.
(DD)	INSTALL 18" WIDE 6" THICK CONCRETE ADJACENT TO PARKING STALL.
(FF)	INSTALL PAVERS AT MENU BOARDS UNDER CANOPY. REFERENCE LANDSCAPE PLANS FOR DETAILS.
(GG)	INSTALL PERMEABLE JOINT PAVERS IN PEDESTRIAN BOULEVARD. REFERENCE LANDSCAPE PLANS FOR DETAILS.
(HH)	INSTALL STAMPED PAVEMENT IN CROSSWALK. REFERENCE LANDSCAPE PLANS FOR DETAILS.
(II)	INSTALL STANDARD SMOKESTACK PATIO WITH 5' CONTROL JOINTS. REFERENCE ARCH. PLANS FOR DETAILS.
(JJ)	2' VEHICLE OVERHANG.
(KK)	12'X25' LOADING SPACE PER SEC. 77-185.
(LL)	PROPOSED GAS METER.
(MM)	PROPOSED 600A FREESTANDING METER.



### LEGEND

R/W	RIGHT-OF-WAY LINE OR PROPERTY LINE
P	LEASE LINE
- - -	EASEMENT
- - -	BUILDING SETBACK
□	PROPOSED CONCRETE CURB
□	EXISTING CONCRETE CURB
□	PROPOSED STANDARD ASPHALT PAVEMENT REFERENCE PAVEMENT DETAILS
□	PROPOSED HEAVY DUTY ASPHALT PAVEMENT REFERENCE PAVEMENT DETAILS
□	PROPOSED 7" HEAVY DUTY CONCRETE REFERENCE PAVEMENT DETAILS
□	PROPOSED 6" STANDARD CONCRETE REFERENCE PAVEMENT DETAILS
□	PROPOSED SIDEWALK PAVEMENT REFER TO CONSTRUCTION DETAILS
□	PROPOSED PATTERNED CONCRETE REFER TO CONSTRUCTION DETAILS
□	PROPOSED PATIO SIDEWALK PAVEMENT REFERENCE ARCH. PLANS FOR DETAILS
□	PROPOSED PAVERS. REFERENCE LANDSCAPE PLANS FOR PATTERN AND MATERIAL DETAILS.
□	PROPOSED PERMEABLE JOINT PAVERS REFERENCE LANDSCAPE PLANS FOR DETAILS
□	PROPOSED LANDSCAPE AREA
→	ACCESSIBLE ROUTE (LOCATION PURPOSES ONLY. DO NOT PAINT)

- ### SITE NOTES
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL LOCAL JURISDICTION REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
  - CONTRACTOR SHALL REFER TO THE ARCHITECTURAL/MEP PLANS FOR SITE LIGHTING & ELECTRICAL PLAN.
  - REFERENCE ARCHITECTURAL PLANS FOR DUMPSTER ENCLOSURE DETAILS.
  - EXISTING STRUCTURES AND OR UTILITIES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY.
  - SITE BOUNDARY, TOPOGRAPHY, UTILITY AND ROAD INFORMATION TAKEN FROM A SURVEY BY HADONNE DATED APRIL 06, 2021.
  - ALL PROPOSED PAVING IN COUNTY R.O.W. AND EASEMENTS TO CONFORM TO FDOT AND MIAMI-DADE COUNTY STANDARDS.
  - PER FEMA PANEL NUMBER 12086C0287L, COMMUNITY NUMBER 120041 AND 120635 DATED SEPTEMBER 11, 2009, THE SITE IS WITHIN FLOOD ZONE AE.
  - BUILDING IS FIRE SPRINKLED.
  - TREE LOCATIONS ARE SHOWN FOR REFERENCE ONLY, REFER TO LANDSCAPE PLANS BY OTHERS.

### PARKING REQUIREMENTS PER SECTION 77-139

DESCRIPTION	REQUIREMENT	REQUIRED	PROVIDED
ALL SPACES			
INSIDE PATRON AREA (1074 SF)	1 SPACE / 45 SF	24	
SIDEWALK CAFE AREA (20 SEATS)	1 SPACE / 2 SEATS	10	
	TOTAL	34	
PARKING REDUCTION	70% OF TOTAL REQUIRED PARKING	24	24
REGULAR SPACES	N/A	N/A	20
ADA SPACES	1 SPACE / 25 SPACES	1	1
MOBILE ORDER PICK-UP SPACES	3 SPACES	3	3
	TOTAL	24	24
BICYCLE SPACES	1% OF TOTAL REQUIRED PARKING	3	3

### SITE DATA

EXISTING ZONING	COMMERCIAL CORRIDOR DISTRICT CC
PROPOSED USE	2111 (RESTAURANT OR CAFETERIA: RETAIL OUTLET)
LOT AREA	41,068 SF (0.94 AC)
BUILDING AREA	3,584 SF
FINISHED FLOOR ELEVATION	8.20 FT
IMPERVIOUS AREA	32,414 SF
PERVIOUS AREA	8,654 SF

**CAUTION!!**  
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

**Sunshine**  
Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
Check positive response codes before you dig!



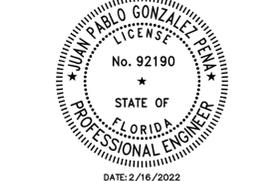
Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley-Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



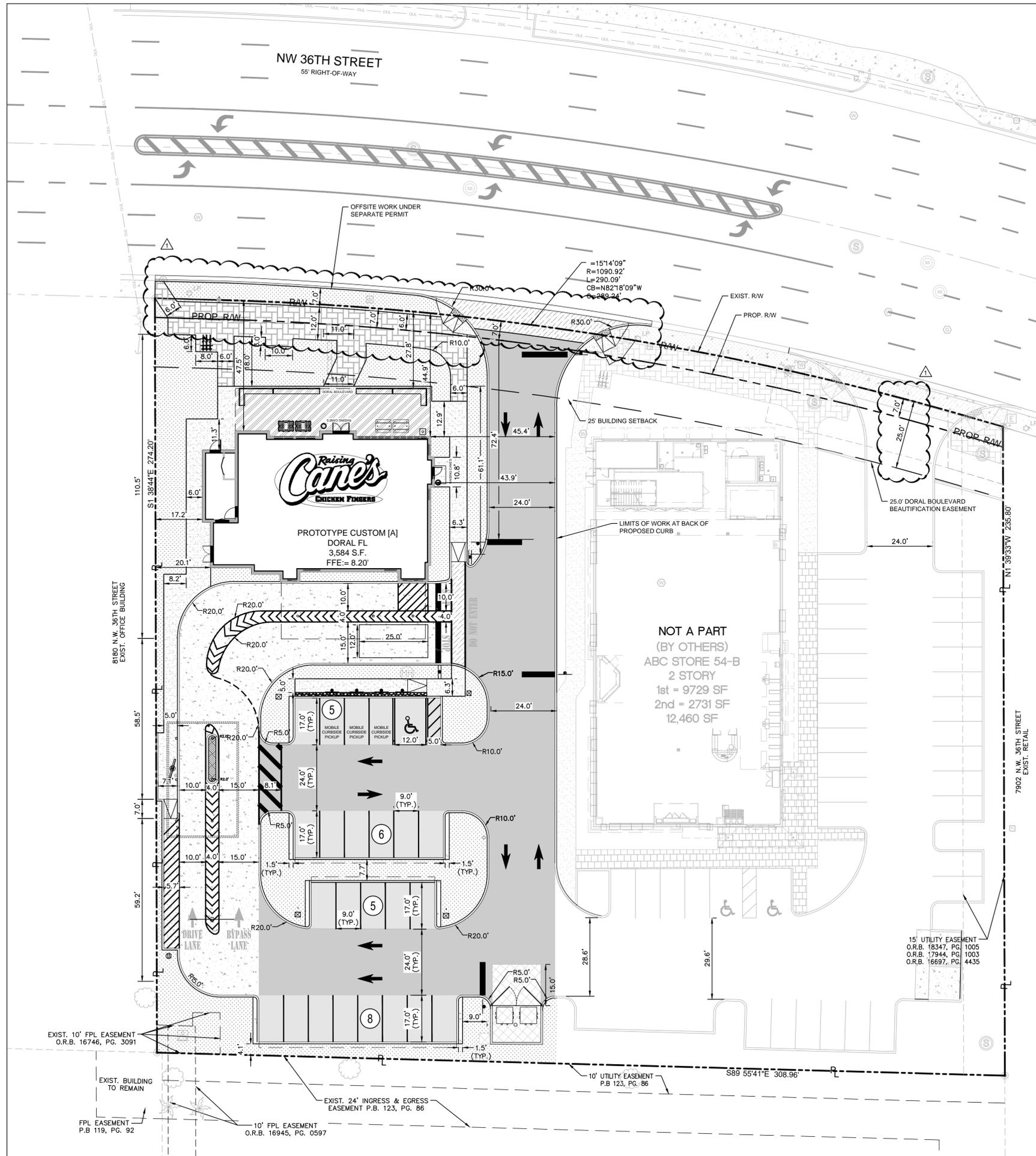
DATE: 2/16/2022  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description
△	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**SITE KEYNOTE PLAN**

Sheet Number:  
**C5.0**



**DIMENSION NOTES**

1. ALL CURB RADII ARE TO BE 10' OR 2' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS SHALL BE 6" STANDARD EXCEPT WHERE OTHERWISE NOTED ON PLANS.
4. REFERENCE LANDSCAPE PLANS FOR PROPOSED BUFFERS, SCREENING, AND PLANTING.

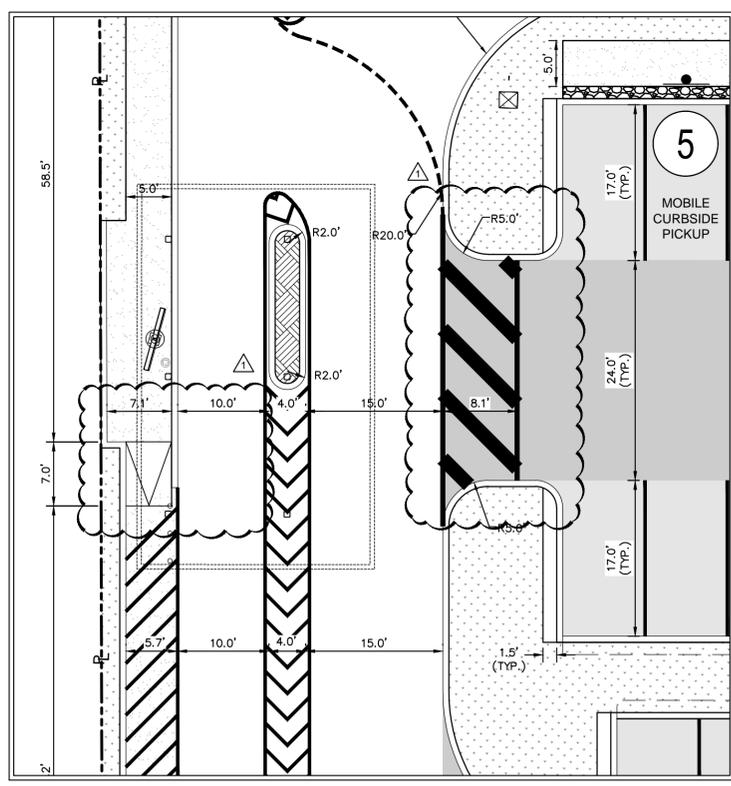
**BENCHMARKS**

-TEMPORARY BENCHMARK #1 SET IN AN ASPHALT PARKING LOT, 32' +/- NORTHWEST OF THE NORTHWEST CORNER OF THE BOSTON MARKET BUILDING.  
 N:537034.68  
 E:877467.58  
 ELV:6.70

-TEMPORARY BENCHMARK #2 SET IN AN ASPHALT PARKING LOT, 64' +/- SOUTHEAST OF THE SOUTHEAST CORNER OF THE BOSTON MARKET BUILDING.  
 N:536908.51  
 E:877467.74  
 ELV:6.32

**LEGEND**

- R/W RIGHT-OF-WAY LINE OR PROPERTY LINE
- LEASE LINE
- EASEMENT
- BUILDING SETBACK
- PROPOSED CONCRETE CURB
- EXISTING CONCRETE CURB
- PROPOSED STANDARD ASPHALT PAVEMENT
- REFERENCE PAVEMENT DETAILS



**INSET 1**  
 SCALE: 1"=10'  
 REFERENCE ARCHITECTURAL PLANS FOR DETAILS AND EXACT LOCATION OF MENU BOARD, HEIGHT DETECTOR AND PRE-ORDER BOARD.

**CAUTION!**  
 CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

**Sunshine**  
 Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
 Check positive response codes before you dig!



Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 95 Merrick Way, 3rd floor  
 Coral Gables, Florida 33134  
 Telephone: 469-498-2100  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley-Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696



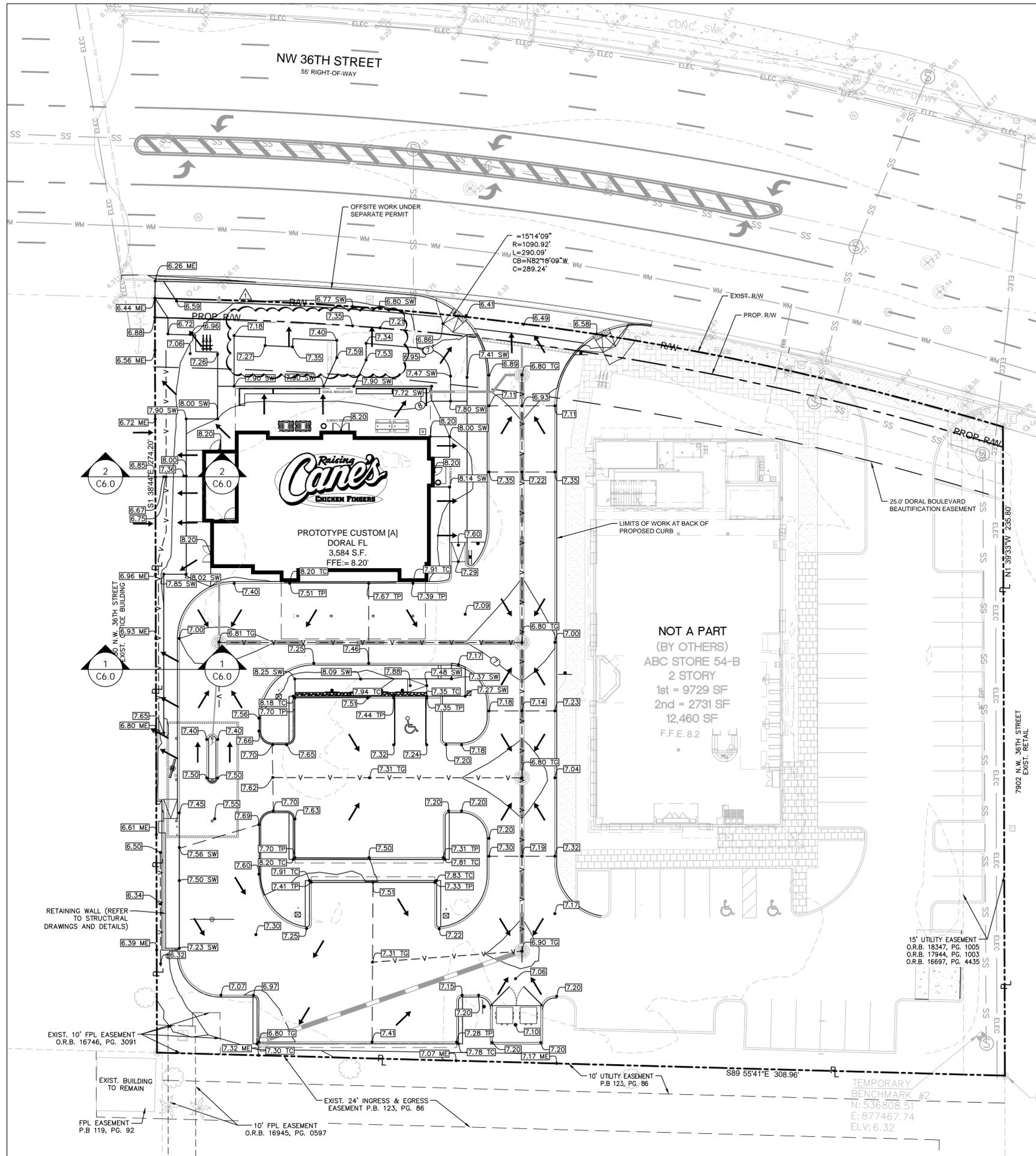
DATE: 2/16/2022  
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description
△	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**DIMENSION CONTROL PLAN**  
 Sheet Number:  
**C5.1**





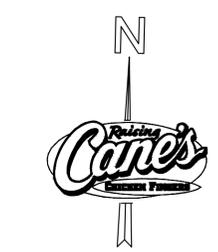
**BENCHMARKS**

-TEMPORARY BENCHMARK #1 SET IN AN ASPHALT PARKING LOT, 32' +/- NORTHWEST OF THE NORTHWEST CORNER OF THE BOSTON MARKET BUILDING.  
N:537034.68  
E:877187.58  
ELV:6.70

-TEMPORARY BENCHMARK #2 SET IN AN ASPHALT PARKING LOT, 64' +/- SOUTHEAST OF THE SOUTHEAST OF THE BURGER KING BUILDING.  
N:536808.51  
E:877467.74  
ELV:6.32

**GRADING NOTES**

- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THESE PLANS AND THE CITY OF DORAL STANDARDS AND SPECIFICATIONS.
- PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. REFERENCE ARCHITECTURAL PLANS FOR DUMPSTER ENCLOSURE DETAILS.
- EXISTING THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. MINOR ADJUSTMENTS TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE ARE ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF ENGINEER. PAVING INSTALLED SHALL "FLUSH OUT" AT ANY JUNCTURE WITH EXISTING PAVING.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- ALL CUT OR FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS GRADE.
- CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS.
- TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT BUILDING FOOTPRINT DIMENSIONS.
- CONTRACTOR SHALL REFER TO FINAL GEOTECH REPORT FOR BUILDING SUBGRADE AND SITE PREPARATION REQUIREMENTS.
- CONTRACTOR SHALL ADJUST EXISTING VALVES, MANHOLE RIMS, ETC. AS NECESSARY TO MATCH FINISHED GRADE.
- ALL ELEVATIONS ARE TOP OF PAVEMENT UNLESS NOTED OTHERWISE. TO GET TOP OF CURB ELEVATIONS ADD 6" TO THE ELEVATION SHOWN.
- GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO ADA STANDARDS. SLOPES SHALL NOT EXCEED 5% LONGITUDINAL SLOPE OR 2% CROSS SLOPE. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET AT ANY LOCATION.
- ANY PROPOSED CONTOURS SHOWN ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
- REFER TO EROSION CONTROL PLAN FOR EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING GRADING OPERATIONS.
- ALL FILL TO BE PLACED SHALL BE IN ACCORDANCE WITH THE CURRENT APPLICABLE GEOTECHNICAL REPORT RECOMMENDATIONS.
- DO NOT BLOCK SWALE WITH LANDSCAPE.



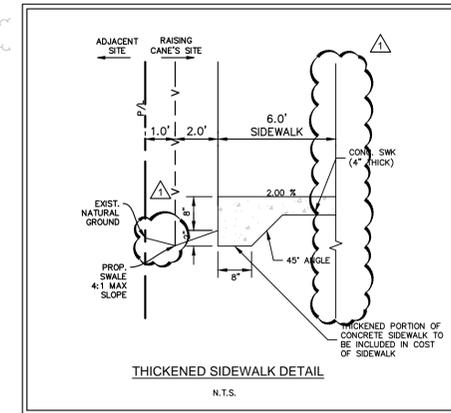
GRAPHIC SCALE IN FEET



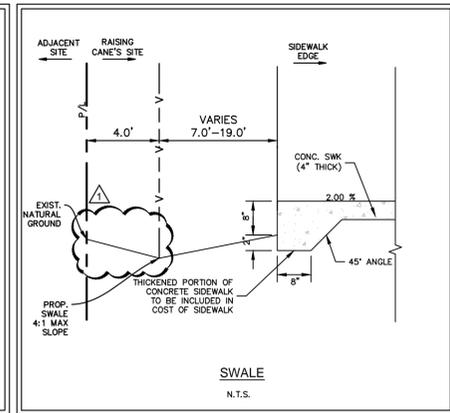
SCALE: 1" = 20' @ 22X34

**LEGEND**

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED FLOW ARROW
- PROPOSED SPOT ELEVATION
- PROPOSED STORM SEWER
- PROPOSED STORM INLET
- TOP OF CURB
- TOP OF PAVEMENT
- TOP OF SLAB (DUMPSTER PAD)
- TOP OF SIDEWALK
- MATCH EXISTING ELEVATION
- TOP OF GRATE
- PROPOSED VALLEY
- PROPOSED RIDGE



SECTION 1  
SCALE: N.T.S.



SECTION 2  
SCALE: N.T.S.



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:



95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)

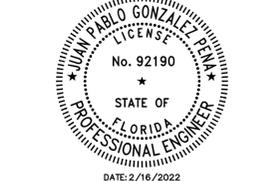
Project Issue Date: 10-30-2021

CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021



355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-473-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

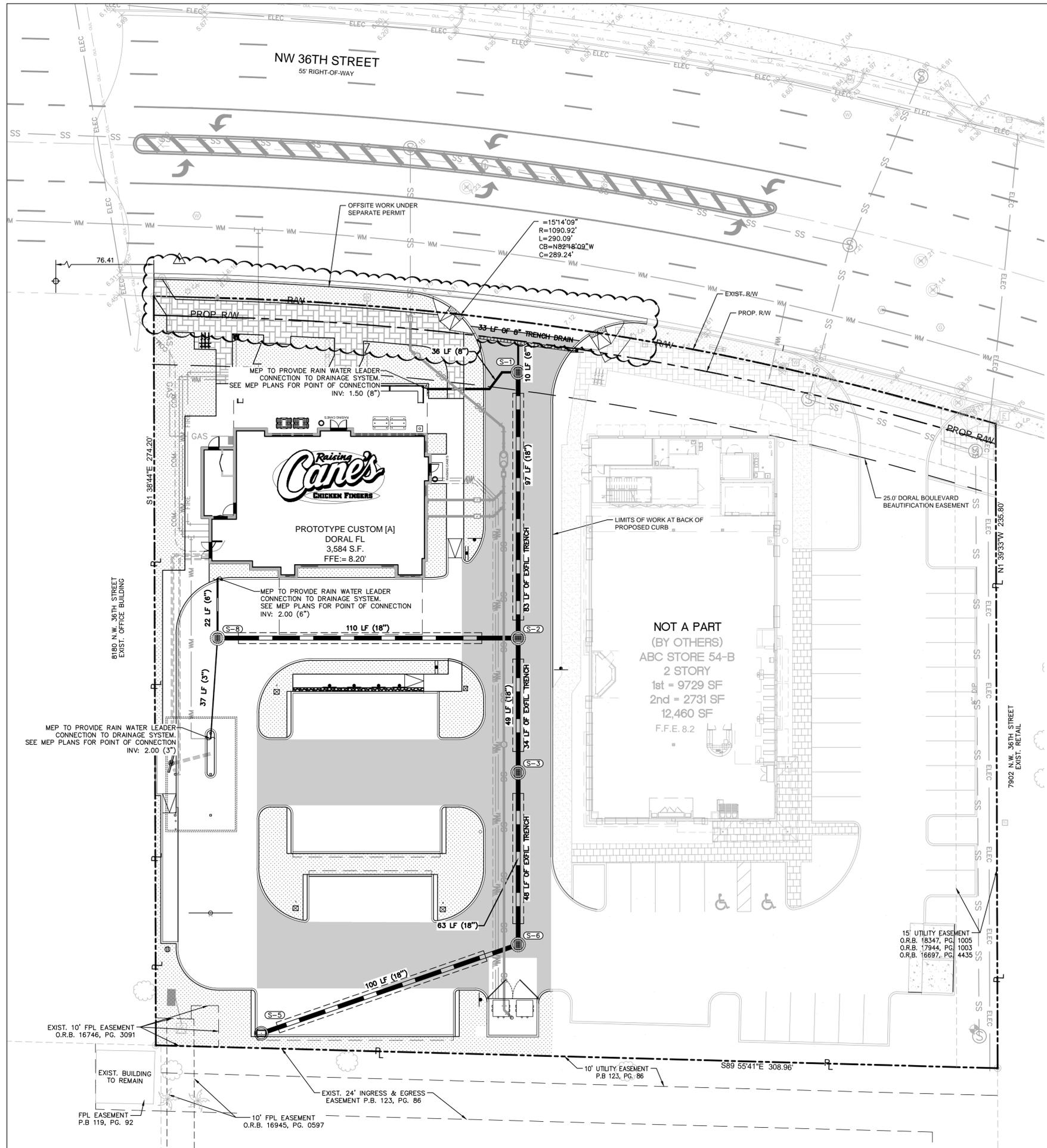
#	Date	Description
△	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:

**GRADING PLAN**

Sheet Number:

**C6.0**



GRAPHIC SCALE IN FEET  
 0 10 20 30 40  
 SCALE: 1" = 20' @ 22X34

**LEGEND**

- R/W  $\square$  RIGHT-OF-WAY LINE OR PROPERTY LINE
- - - LEASE LINE
- - - EASEMENT
- - - BUILDING SETBACK
- - - PROPOSED LINEAR TRENCH DRAIN (TO BE 8" ACO K200 DRAIN OR APPROVED EQUIVALENT)
- XX LF PROPOSED HDPE DRAINAGE PIPE (U.O.N.)
- XX LF PROPOSED EXFILTRATION TRENCH AND HDPE DRAINAGE PIPE (U.O.N.) REFER TO DETAILS
- (D) PROPOSED STORM SEWER MANHOLE
- (S) PROPOSED STORM SEWER INLET

DRAINAGE STRUCTURE TABLE				
STRUCTURE NUMBER	STRUCTURE TYPE	RIM ELEVATION	INVERT ELEVATION	BOTTOM
S-1	CATCH BASIN (4' DIA.) W/ USF 4105 FRAME AND 6627 GRATE	RIM = 6.80	(8") 3.73 (W) * (18") 2.00 (S) * (6") 1.50 (N)	-2.00
S-2	CATCH BASIN (5' DIA.) W/ USF 4105 FRAME AND 6627 GRATE	RIM = 6.80	(18") 2.00 (N) * (18") 2.00 (S) * (18") 2.20 (W)	-1.50
S-3	CATCH BASIN (5' DIA.) W/ USF 4105 FRAME AND 6627 GRATE	RIM = 6.80	(18") 2.00 (N) * (18") 2.00 (S) *	-1.50
S-5	TYPE P9 CURB INLET (4' DIA) INDICES 425-010 & 425-024	RIM = 6.83	(18") 2.00 (E) *	-3.17
S-6	CATCH BASIN (5' DIA.) W/ USF 4105 FRAME AND 6627 GRATE	RIM = 6.90	(18") 2.00 (W) * (18") 2.00 (N) *	-1.50
S-8	CATCH BASIN (4' DIA.) W/ USF 4105 FRAME AND 6627 GRATE	RIM = 6.80	(18") 2.20 (E) * (3") 2.00 (S) * (6") 2.00 (N) *	-1.50

\* POLLUTION RETARDANT BAFFLE (PRB) REQUIRED (REFER TO DETAILS)



Restaurant Support Office  
 6800 Bishop Road, Plano, TX 75024  
 Tele: 972-769-3100 Fax: 972-769-3101

Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:

**CSRS**  
 95 Merrick Way, 3rd floor  
 Coral Gables, Florida 33134  
 Telephone: 469-498-2100  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley-Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description
△	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:

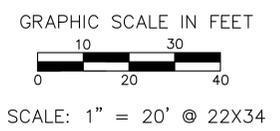
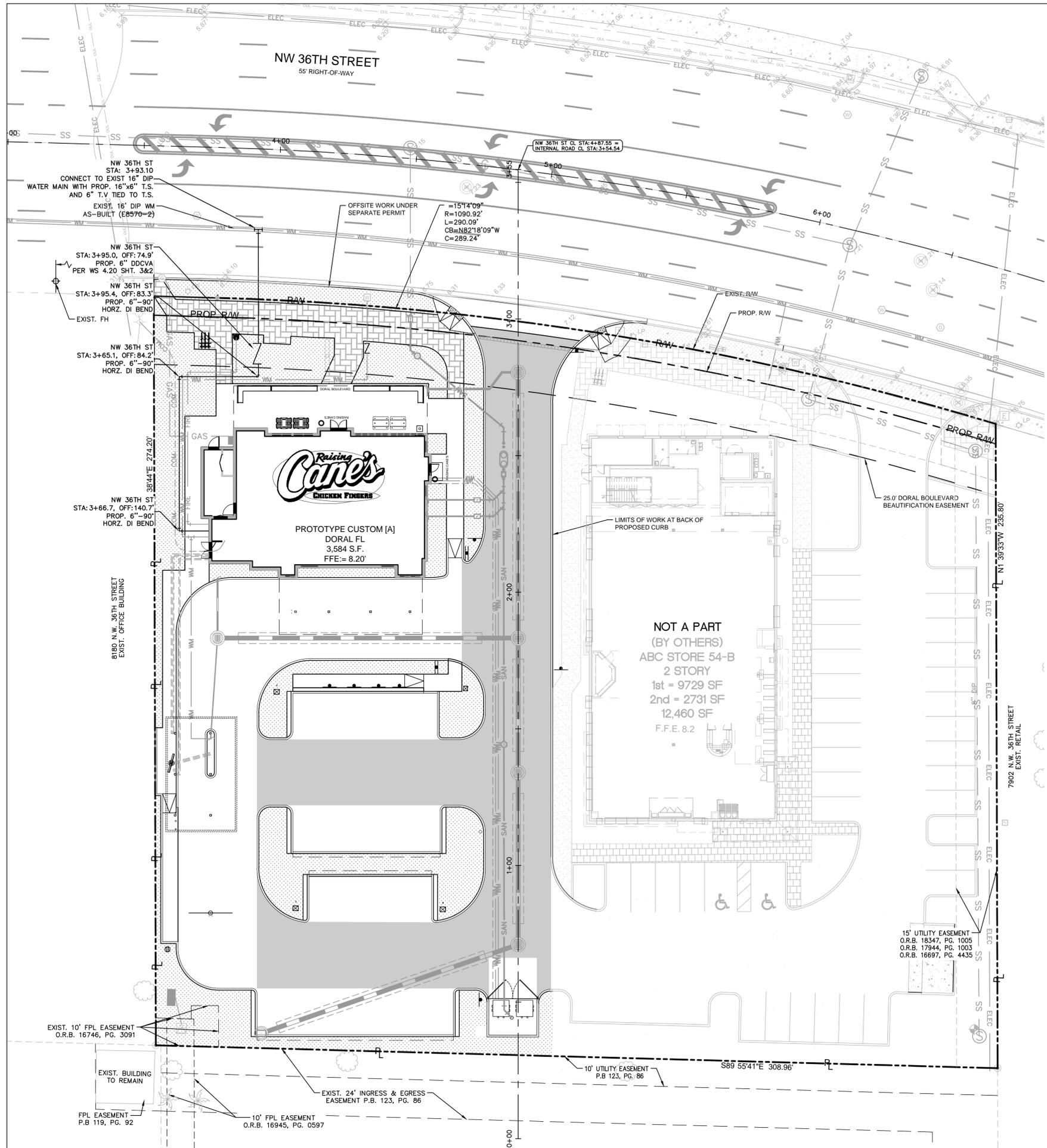
**STORM DRAINAGE PLAN**

Sheet Number:

**C7.0**







**LEGEND**

- R/W RIGHT-OF-WAY LINE OR PROPERTY LINE
- LEASE LINE
- EASEMENT
- BUILDING SETBACK
- PROPOSED SANITARY SEWER LATERAL
- PROPOSED PRIVATE CLEANOUT
- PROPOSED GREASE TRAP
- EXISTING SANITARY SEWER

NOTE: WATER REFERS TO NW 36TH ST ALIGNMENT AND SEWER REFERS TO ALIGNMENT ON SITE



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tel: 972-769-3100 Fax: 972-769-3101

Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:

**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley-Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description
△	02/16/2022	ENTITLEMENTS RESUBMITTAL

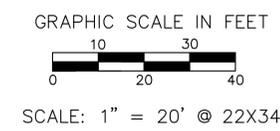
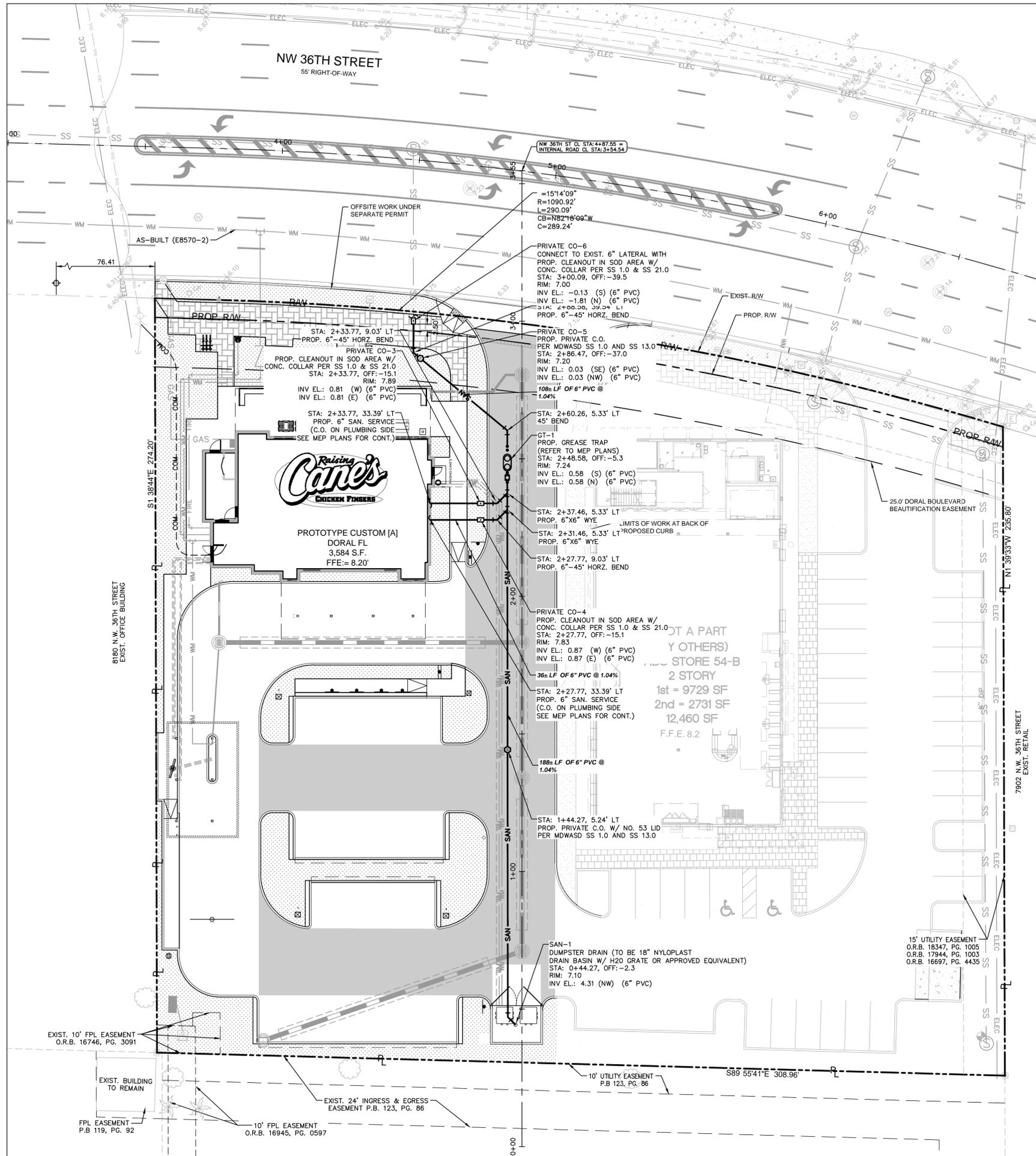
Sheet Title:

**WATER PLAN**

Sheet Number:

**C9.1**





**LEGEND**

R/W	RIGHT-OF-WAY LINE OR PROPERTY LINE
- - -	LEASE LINE
- - - - -	EASEMENT
- - - - -	BUILDING SETBACK
- - - - -	PROPOSED SANITARY SEWER LATERAL
□	PROPOSED PRIVATE CLEANOUT
○	PROPOSED GREASE TRAP
○	EXISTING SANITARY SEWER

NOTE: WATER REFERS TO NW 36TH ST ALIGNMENT AND SEWER REFERS TO ALIGNMENT ON SITE



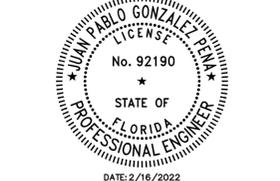
Store:  
**Raising Cane's**  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 95 Merrick Way, 3rd floor  
 Coral Gables, Florida 33134  
 Telephone: 469-498-2100  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley-Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description

Sheet Title:

**SANITARY SEWER PLAN**

Sheet Number:

**C9.2**

NOT A PART OF MDWASD REVIEW NOR APPROVAL





Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley»Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



DATE: 2/16/2022  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

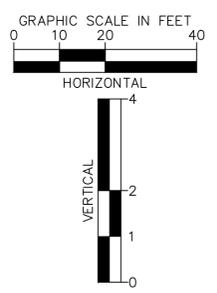
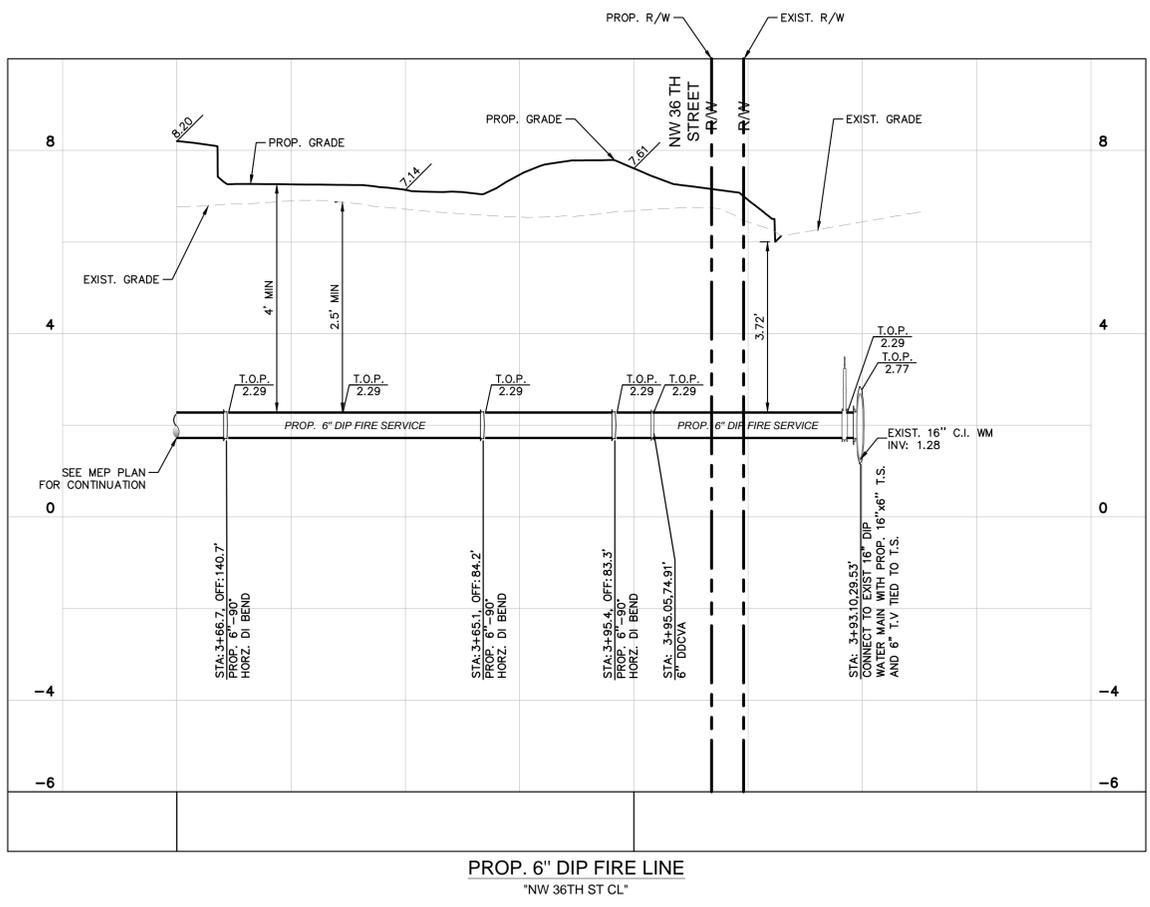
#	Date	Description

Sheet Title:

**WATER PROFILE**

Sheet Number:

**C9.3**

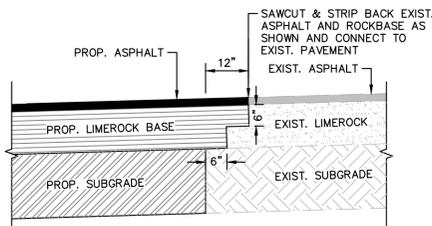


Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
Check positive response codes before you dig!





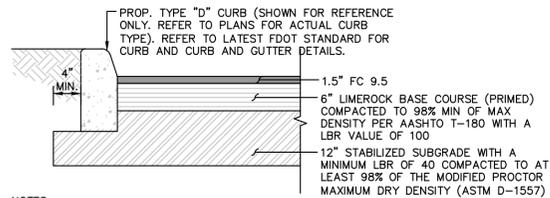




- NOTE:
1. ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND CONSTRUCTED IN ACCORDANCE WITH THE FDOT DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM, CURRENT EDITION.
  2. CONTRACTOR RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY WORK TO A CONDITION AS GOOD OR AS EXISTING OR BETTER.

**CONNECTION TO EXIST. PAVEMENT (SAWCUT) DETAIL**

N.T.S.

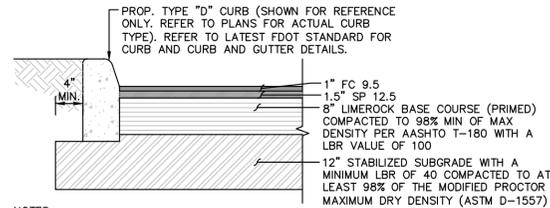


- NOTES:
- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT DESIGN, BASE, AND SUBGRADE PARAMETERS.

BITUMINOUS ASPHALT COURSE MAY BE INSTALLED IN TWO SEPARATE LIFTS TO ALLOW MOBILIZATION OF EQUIPMENT. THE SECOND LIFT OF ASPHALT SHALL NOT BE PLACED UNTIL ALL OTHER WORK ON THE SITE HAS BEEN COMPLETED. UPON COMPLETION OF SECOND LIFT OF ASPHALT, ANY SCRATCHES, GOUGES, OR LOSS OF AGGREGATE WILL NOT BE ACCEPTED. CONTRACTOR TO REMEDY ALL HOLES, BLEMISHES, ETC. PRIOR TO THE UNIFORM INSTALLATION OF SECOND LIFT. AFTER SECOND LIFT OF ASPHALT IS INSTALLED, ROLLING IS REQUIRED.

**STANDARD ASPHALT PAVEMENT DETAIL**

N.T.S.

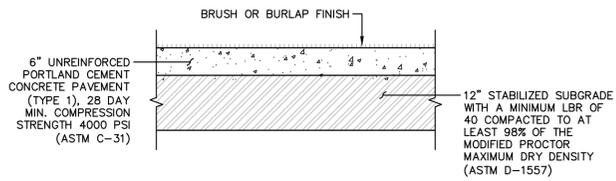


- NOTES:
- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT DESIGN, BASE, AND SUBGRADE PARAMETERS.

BITUMINOUS ASPHALT COURSE MAY BE INSTALLED IN TWO SEPARATE LIFTS TO ALLOW MOBILIZATION OF EQUIPMENT. THE SECOND LIFT OF ASPHALT SHALL NOT BE PLACED UNTIL ALL OTHER WORK ON THE SITE HAS BEEN COMPLETED. UPON COMPLETION OF SECOND LIFT OF ASPHALT, ANY SCRATCHES, GOUGES, OR LOSS OF AGGREGATE WILL NOT BE ACCEPTED. CONTRACTOR TO REMEDY ALL HOLES, BLEMISHES, ETC. PRIOR TO THE UNIFORM INSTALLATION OF SECOND LIFT. AFTER SECOND LIFT OF ASPHALT IS INSTALLED, ROLLING IS REQUIRED.

**HEAVY DUTY ASPHALT PAVEMENT DETAIL**

N.T.S.

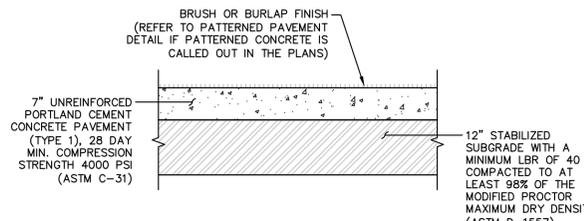


- NOTES:
- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT DESIGN, BASE, AND SUBGRADE PARAMETERS. CONCRETE SHALL HAVE A SOLAR REFLECTIVE INDEX (SRI) OF AT LEAST 29

**STANDARD CONCRETE PAVEMENT DETAIL**

N.T.S.

NOTE: CONCRETE JOINTS SHALL BE PER FDOT STANDARD 350-001 (REFER TO JOINT PLAN FOR LOCATION)

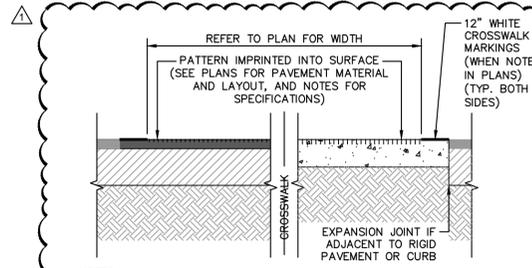


- NOTES:
- REFER TO GEOTECHNICAL REPORT FOR PAVEMENT DESIGN, BASE, AND SUBGRADE PARAMETERS. CONCRETE SHALL HAVE A SOLAR REFLECTIVE INDEX (SRI) OF AT LEAST 29

**HEAVY DUTY CONCRETE PAVEMENT DETAIL**

N.T.S.

NOTE: CONCRETE JOINTS SHALL BE PER FDOT STANDARD 350-001 (REFER TO JOINT PLAN FOR LOCATION)



- NOTES:
1. CONTRACTOR SHALL PROVIDE PATTERNED PATTERN WITH INTEGRAL COLOR PER FDOT SPECIFICATION 523 "PATTERNED PAVEMENT" FOR VEHICULAR USE. CROSSWALKS SHALL UTILIZE A 4" X 8" RUNNING BOND PATTERN. REFER TO PLANS FOR LOCATION.
  2. ALL HORIZONTAL SURFACES FINISHES SHALL BE SLIP RESISTANT WITH A COEFFICIENT OF FRICTION THAT MEETS ALL FEDERAL, STATE, AND LOCAL CODE CRITERIA. ALL JOINTING / STAMPING WIDTH AND DEPTH SHALL MEET ALL FEDERAL, STATE, AND LOCAL CODE CRITERIA.

**PATTERNED PAVEMENT DETAIL**

N.T.S.

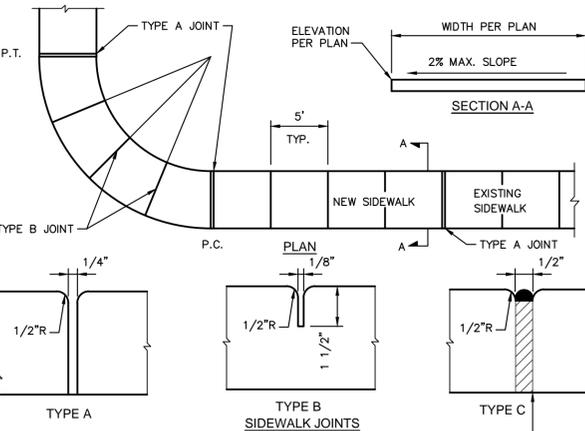
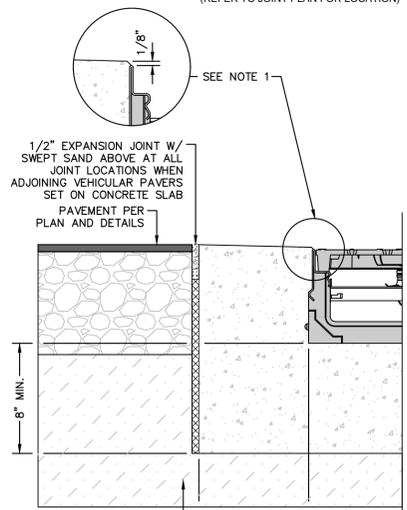


TABLE OF SIDEWALK JOINTS	
	LOCATION
A	P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING AND NEW SIDEWALK.
B	5'-0" CENTER TO CENTER ON SIDEWALK.
C	WHERE SIDEWALK ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES

**CONCRETE SIDEWALK DETAIL**

N.T.S.

SIDEWALK THICKNESS = 4" (3000 PSI @ 28 DAYS)

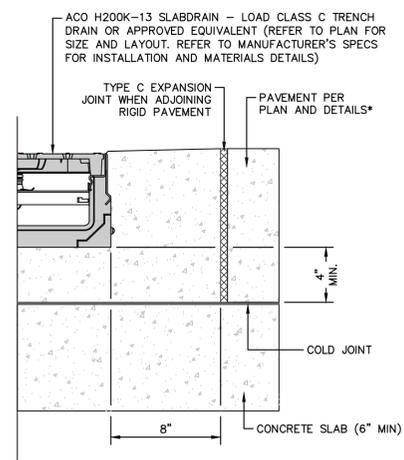


**STANDARD INSTALLATION ON SUBGRADE**

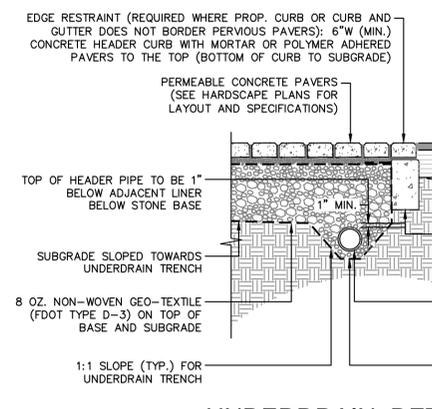
- NOTES:
1. THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" ABOVE THE TOP OF THE CHANNEL EDGE
  2. CONCRETE SHALL BE UNREINFORCED PORTLAND CEMENT CONCRETE WITH 28 DAY MIN COMPRESSION STRENGTH OF 4000 PSI

**TRENCH DRAIN DETAIL**

N.T.S.

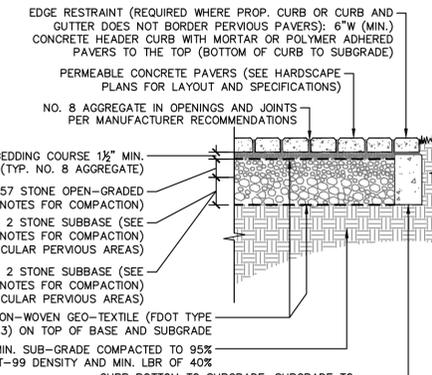


**INSTALLATION ON CONCRETE SLAB**



**UNDERDRAIN DETAIL**

N.T.S.



**PERVIOUS PAVER DETAIL**

(VEHICULAR & PEDESTRIAN)

(NOTE: STONE SUBBASE IS DIFFERENT FOR CORRESPONDING AREA)

**PERMEABLE JOINT PAVER INSTALLATION NOTES**

**CRUSHED STONE FILLER, BEDDING, BASE AND SUBBASE**

1. CRUSHED STONE WITH 90% FRACTURED FACES, LA ABRASION < 40 PER ASTM C 131.
2. DO NOT USE ROUNDED RIVER GRAVELS.
3. ALL STONE MATERIALS SHALL BE WASHED WITH LESS THAN 2% PASSING THE NO. 200 SIEVE.
4. JOINT/OPENING FILLER, BEDDING, BASE AND SUBBASE: CONFORMING TO ASTM D448 GRADATION.

**GENERAL**

1. ANY EXCESS THICKNESS OF SOIL APPLIED OVER THE EXCAVATED SOIL SUBGRADE TO TRAP SEDIMENT FROM ADJACENT CONSTRUCTION ACTIVITIES SHALL BE REMOVED BEFORE APPLICATION OF THE [GEOTEXTILE] AND SUBBASE MATERIALS.
2. KEEP AREA WHERE PAVEMENT IS TO BE CONSTRUCTED FREE FROM SEDIMENT DURING ENTIRE JOB. [GEOTEXTILES] BASE AND BEDDING MATERIALS CONTAMINATED WITH SEDIMENT SHALL BE REMOVED AND REPLACED WITH CLEAN MATERIALS.

**GEOTEXTILES**

1. PLACE ON TOP OF SOIL BASE AND SUBGRADE. SECURE IN PLACE TO PREVENT WRINKLING FROM VEHICLE TIRES AND TRACKS.
2. OVERLAP A MINIMUM OF [0.3 M (12 IN.)] [0.6 M (24 IN.)] IN THE DIRECTION OF DRAINAGE.
3. MATERIALS SHOULD MEET FDOT SPECIFICATIONS FOR TYPE D-3 GEOTEXTILES

**OPEN-GRADED SUBBASE AND BASE**

1. MOISTEN, SPREAD AND COMPACT THE NO. 2 SUBBASE IN MAXIMUM 8 IN. (200 MM) LIFTS [WITHOUT WRINKLING OR FOLDING THE GEOTEXTILE. PLACE SUBBASE TO PROTECT GEOTEXTILE FROM WRINKLING UNDER EQUIPMENT TIRES AND TRACKS.] DO NOT PLACE SUBBASE AGGREGATE ON A SUBGRADE [OR GEOTEXTILE] WITH WATER PONDED ON IT.
2. FOR EACH LIFT, MAKE AT LEAST TWO PASSES IN THE VIBRATORY MODE THEN AT LEAST TWO IN THE STATIC MODE WITH A MINIMUM 10 T (8 T) VIBRATORY ROLLER UNTIL THERE IS NO VISIBLE MOVEMENT OF THE NO. 2 STONE. DO NOT CRUSH AGGREGATE WITH THE ROLLER
3. USE A MINIMUM 13,500 LBF (60 KN) PLATE COMPACTOR WITH A COMPACTION INDICATOR TO COMPACT AREAS THAT CANNOT BE REACHED BY THE VIBRATORY ROLLER. DO NOT CRUSH THE AGGREGATE WITH THE PLATE COMPACTOR.
4. THE SURFACE TOLERANCE OF THE COMPACTED NO. 2 SUBBASE SHALL BE ± 2 1/2 IN. (± 65MM) OVER A 10 FT (3 M) STRAIGHTEDGE.
5. MOISTEN, SPREAD AND COMPACT THE NO. 57 BASE LAYER IN ONE 4 IN. (100 MM) THICK LIFT. ON THIS LAYER, MAKE AT LEAST TWO PASSES IN THE VIBRATORY MODE THEN AT LEAST TWO IN THE STATIC MODE WITH A MINIMUM 10 T (8 T) VIBRATORY ROLLER UNTIL THERE IS NO VISIBLE MOVEMENT OF THE NO. 57 STONE. DO NOT CRUSH AGGREGATE WITH THE ROLLER.
6. THE SURFACE TOLERANCE THE COMPACTED NO. 57 BASE SHOULD NOT DEVIATE MORE THAN. ± 1 IN. (25 MM) OVER A 10 FT (3 M) STRAIGHTEDGE.

**BEDDING LAYER**

1. MOISTEN, SPREAD AND SCREED THE NO. 8 STONE BEDDING MATERIAL. MAINTAIN A CONSISTENT 2 IN. (50 MM) THICKNESS PRIOR TO COMPACTON WITH THE PAVERS.
2. FILL VOIDS LEFT BY REMOVED SCREED RAILS WITH NO. 8 STONE.
3. THE SURFACE TOLERANCE OF THE SCREED NO. 8 BEDDING LAYER SHALL BE ± 3/8 IN (10 MM) OVER A 10 FT (3 M) STRAIGHTEDGE.
4. DO NOT SUBJECT SCREED BEDDING MATERIAL TO ANY PEDESTRIAN OR VEHICULAR TRAFFIC BEFORE PAVING UNIT INSTALLATION BEGINS.

**PERMEABLE INTERLOCKING CONCRETE PAVERS AND JOINT/OPENING FILL MATERIAL**

1. LAY THE PAVING UNITS IN THE PATTERN(S) AND JOINT WIDTHS SHOWN ON THE DRAWINGS. MAINTAIN STRAIGHT PATTERN LINES.
2. FILL GAPS AT THE EDGES OF THE PAVED AREA WITH CUT UNITS. CUT PAVERS SUBJECT TO TIRE TRAFFIC SHALL BE NO SMALLER THAN 1/3 OF A WHOLE UNIT.
3. CUT PAVERS AND PLACE ALONG THE EDGES WITH A [DOUBLE-BLADED SPLITTER OR] MASONRY SAW.
4. FILL THE OPENINGS AND JOINTS WITH [NO. 8] STONE.
5. REMOVE EXCESS AGGREGATE ON THE SURFACE BY SWEEPING PAVERS CLEAN.
6. COMPACT AND SEAT THE PAVERS INTO THE BEDDING MATERIAL USING A LOW-AMPLITUDE, 75-90 HZ PLATE COMPACTOR CAPABLE OF AT LEAST 5,000 LBF (22 KN). THIS WILL REQUIRE AT LEAST TWO PASSES WITH THE PLATE COMPACTOR.
7. APPLY ADDITIONAL AGGREGATE TO THE OPENINGS AND JOINTS IF NEEDED, FILLING THEM COMPLETELY. REMOVE EXCESS AGGREGATE BY SWEEPING THEM COMPACT THE PAVERS. THIS WILL REQUIRE AT LEAST TWO PASSES WITH THE PLATE COMPACTOR.
8. ALL PAVERS WITHIN 6 FT (2 M) OF THE LAYING FACE MUST BE LEFT FULLY COMPACTED AT THE COMPLETION OF EACH DAY.
9. THE FINAL SURFACE TOLERANCE OF COMPACTED PAVERS SHALL NOT DEVIATE MORE THAN ± 3/8 (10 MM) UNDER A 10 FT (3 M) LONG STRAIGHTEDGE.
10. THE SURFACE ELEVATION OF PAVERS SHALL BE 1/8 TO 1/4 IN. (3 TO 6 MM) ABOVE ADJACENT DRAINAGE INLETS, CONCRETE COLLARS OR CHANNELS.

**FIELD QUALITY CONTROL**

1. AFTER SWEEPING THE SURFACE CLEAN, CHECK FINAL ELEVATIONS FOR CONFORMANCE TO THE DRAWINGS.
2. LIPPAGE: NO GREATER THAN 1/8 IN. (3 MM) DIFFERENCE IN HEIGHT BETWEEN ADJACENT PAVERS.
3. VERIFY THE SURFACE INFILTRATION AT A MINIMUM OF 100 IN./HOUR USING TEST METHOD C 1781.

**VEHICULAR PAVER MATERIAL**

1. UNLESS OTHERWISE SPECIFIED IN THE PLANS, PAVERS SHALL BE 4.5 X 9 X 3 VEHICULAR RATED PERMEABLE JOINT PAVERS AS MANUFACTURED BY: HANOVER ARCHITECTURAL PRODUCTS OR APPROVED EQUIVALENT.
2. PAVERS SHALL BE LAID IN A RUNNING BOND PATTERN LAID LONGITUDINALLY PERPENDICULAR TO THE DIRECTION OF VEHICLE TRAVEL (I.E. FOR PARKING SPACES WHICH FACE EAST, PAVERS SHALL BE LAID SUCH THAT THE LONGER DIMENSION IS GOING NORTH-SOUTH).
3. CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS INCLUDING PRODUCT DATA AND SLIP COEFFICIENT INFORMATION FOR COMMENT, REVIEW, AND EVALUATION BY LANDSCAPE ARCHITECT AND CIVIL ENGINEER PRIOR TO PROCUREMENT, FABRICATION, AND INSTALLATION. MATERIALS SHALL HAVE A NON-SLIP FINISH WITH MINIMUM STATIC AND DYNAMIC COEFFICIENT OF FRICTION OF 0.5.



Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley»Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM REGISTRY NO. 696



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

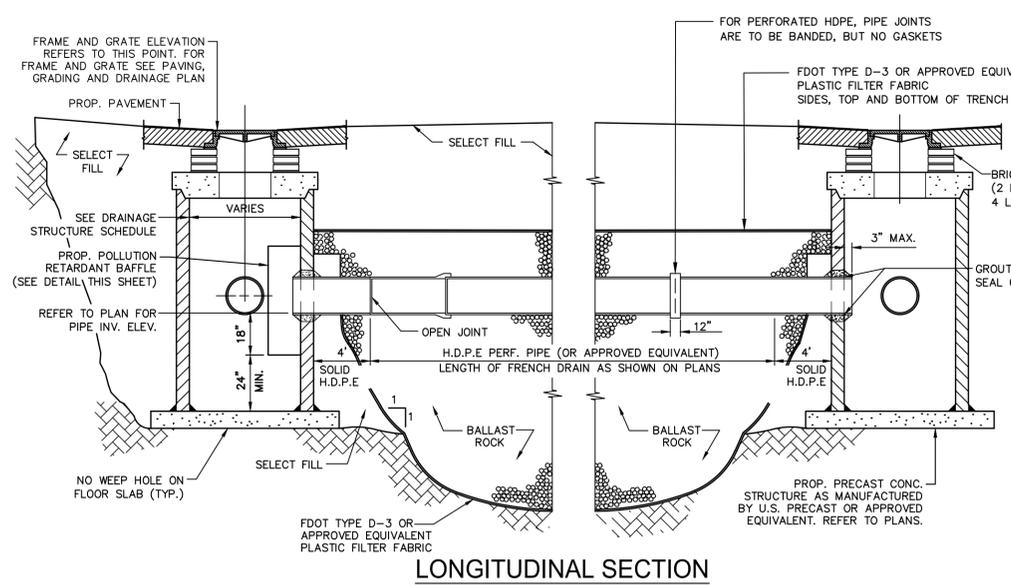
#	Date	Description
Δ	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**CONSTRUCTION DETAILS**

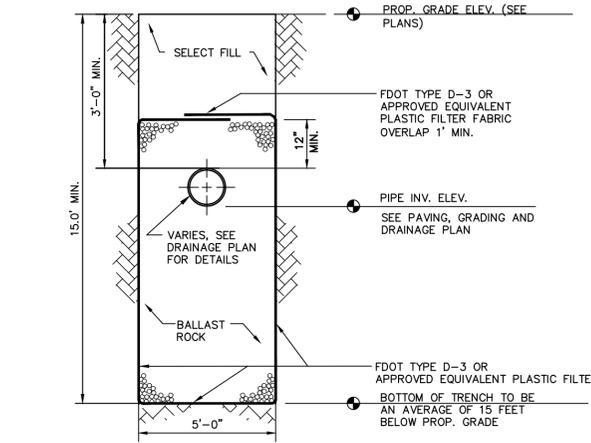
Sheet Number:  
**C11.0**



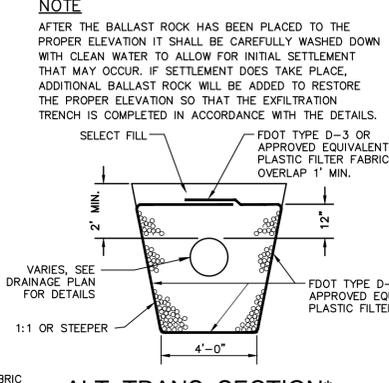
**CAUTION!**  
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.



**LONGITUDINAL SECTION**  
N.T.S.



**TRANSVERSE SECTION**  
N.T.S.

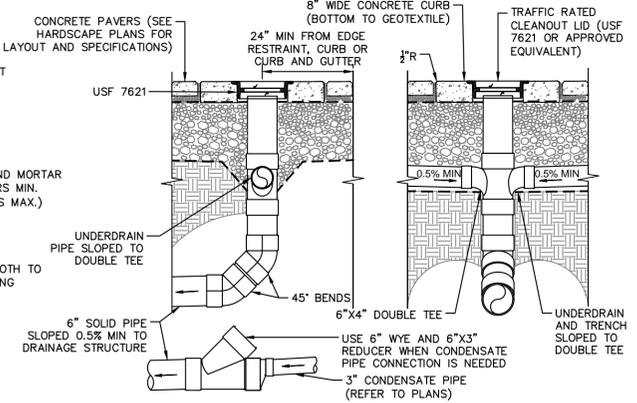


**ALT. TRANS. SECTION\***  
N.T.S.

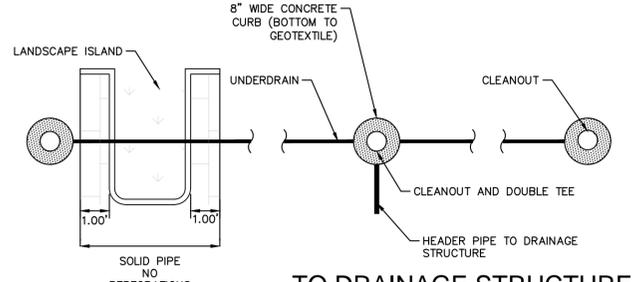
\*MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY TO OCCUR. TO BE USED AT THE ENGINEER'S DISCRETION.

**TYPICAL CATCH BASIN AND EXFILTRATION TRENCH DETAILS**

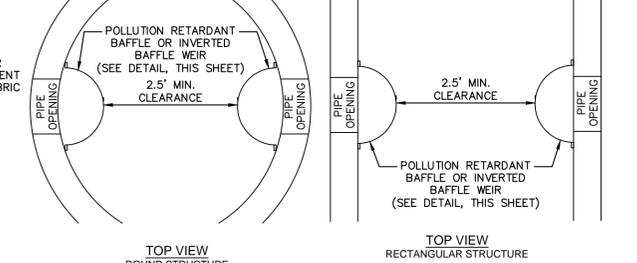
AS PER M.D.C.P.W.D. STANDARD DETAIL SD 1.1 (SHEETS 1 AND 2 OF 3)



**SECTION VIEW FRONT VIEW**  
**UNDERDRAIN DETAIL**

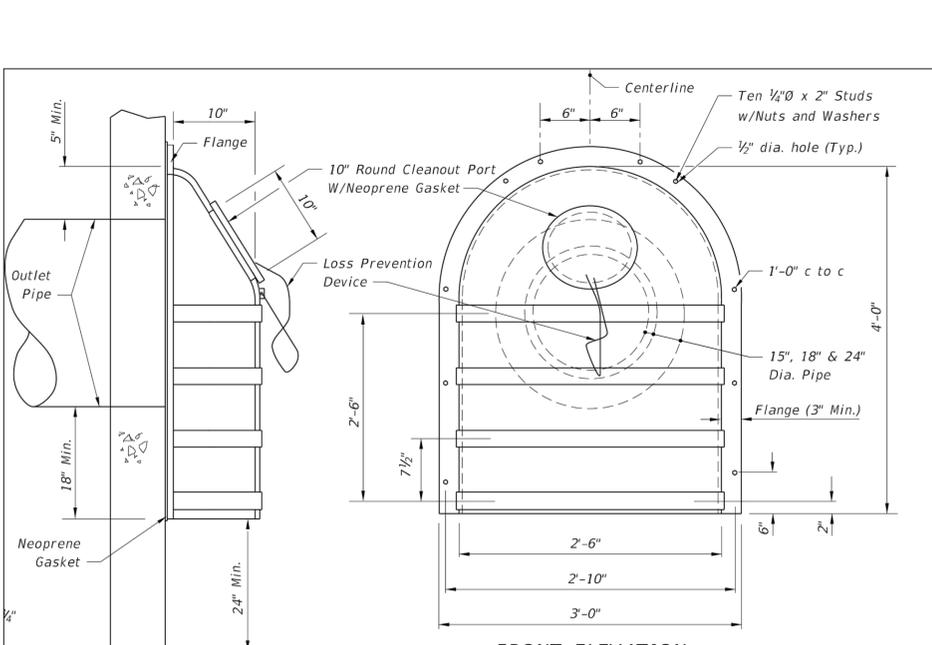


**TO DRAINAGE STRUCTURE**  
**PLAN VIEW**



**TOP VIEW ROUND STRUCTURE**  
**TOP VIEW RECTANGULAR STRUCTURE**

**PRB CLEARANCE DETAILS**  
N.T.S.



**TYPE II SKIMMER**  
**GENERAL NOTES**

- The Frenchdrain Skimmer is a hooded cover, mounted over an outlet in a catchbasin, that prevents oil and floating debris from exiting the basin. Use this skimmer in Frenchdrain Catchbasins and in other locations where there is a need to prevent oil, debris or other floating contaminants from exiting Catchbasins through outlet pipes.
- Place neoprene gasket material between the skimmer and the catchbasin at all points of contact. Trim the gasket neatly to extend 1/2 inch beyond the joint on all sides.
- Skimmer baffle, cleanout pipe and angles shall be primarily constructed of either galvanized steel, aluminum, polyvinyl chloride polyethylene, fiberglass or acrylonitrile butadiene styrene. All steel components, other than stainless, shall be hot-dip galvanized.
- Mounting hardware, hinges and latches shall all be stainless steel. Loss prevention device shall be either stainless steel chain or riveted nylon strap.
- Material used in construction of skimmer bodies (baffles) and cleanout pipe shall comply with Standard Specification 943 for steel, 945 for aluminum or 948 for plastics.
- All costs for furnishing and installing a frenchdrain skimmer shall be included in the cost of the basin in which it is installed. Retrofit skimmers shall be paid for as 'modify existing structure'.
- Plastic Skimmers shall contain a minimum of 1.5% by weight of carbon black for UV protection.

**DESIGN NOTES**

- The contractor may submit an alternative design prefabricated Frenchdrain Skimmer for approval by the Engineer.
- Show, in the plans, the location of the basin and indicate the interior side(s) of the basin on which a skimmer will be installed.
- Type I Skimmer dimensions shall be based on the outlet pipe diameter as shown in the dimension table.
- Type II Skimmers are to be used only with outlet pipe diameters of 15", 18", and 24".

**POLLUTION RETARDANT BAFFLE (PRB) DETAIL**

(PER FDOT DESIGN STANDARDS INDEX No. 241)  
N.T.S.

**DRAINAGE STRUCTURE**  
**STRUCTURAL NOTES:**

**DESIGN CRITERIA:** DESIGN, FABRICATION AND ERECTION OF PRECAST CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-99 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND PCI DESIGN HANDBOOK. DESIGN OF CAST-IN-PLACE CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-99.

**DESIGN LIVE LOADS:** THE TOP SLAB OF DRAINAGE STRUCTURE SHALL BE DESIGNED TO CARRY TRAFFIC LOADS (HS 20 LOADING).

**GEOTECHNICAL CRITERIA:** SOIL BEARING PRESSURE UNDER STRUCTURE ASSUMED TO BE AT MINIMUM 2000 PSF. PRIOR TO INSTALLATION OF DRAINAGE STRUCTURE THE SOIL BEARING CAPACITY OF THE FOUNDATION MUST BE CONFIRMED BY THE CONTRACTOR, THROUGH A CERTIFIED GEOTECHNICAL LABORATORY.

**CONCRETE:** CONCRETE SHALL BE NORMAL WEIGHT, AND SHALL ATTAIN A 28, DAY COMPRESSIVE STRENGTH OF 4000 PSI AND SHALL MEET THE REQUIREMENT OF ASTM C478. CONCRETE COVER FOR REINFORCEMENT SHALL BE 2 INCHES EXCEPT FOOTING BOTTOM BARS SHALL HAVE 3" COVER.

**REINFORCING:** REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, AND SHALL BE OF U.S. MANUFACTURE.

**MORTAR:** MORTAR GROUT TO SEAL THE PIPE, TOP SLABS, AND LEVELING COURSE SHALL BE OF SUCH A MIX THAT SHRINKAGE WILL NOT CAUSE LEAKAGE INTO OR OUT OF THE UNIT. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR MORTAR FOR ENGINEER REVIEW AND APPROVAL.

**SHOP DRAWINGS:** CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, SIGNED AND SEALED BY A FLORIDA LICENSED ENGINEER, FOR PRECAST STRUCTURES TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE CONSTRUCTION OF STRUCTURE.

**MANHOLE RING & COVER:** ALL MANHOLE RINGS AND COVERS, WITHIN PRIVATE PROPERTY, SHALL HAVE THE WORD "STORM SEWER" CAST ON COVER.

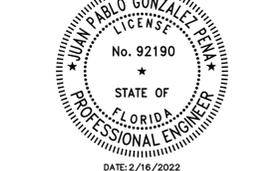


Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tel: 972-769-3100 Fax: 972-769-3101

Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
95 Merrick Way, 3rd floor  
Coral Gables, Florida 33134  
Telephone: 469-498-2100  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF



DATE: 2/16/2022  
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JUAN PABLO GONZALEZ PENA, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Sheet Versions:

#	Date	Description

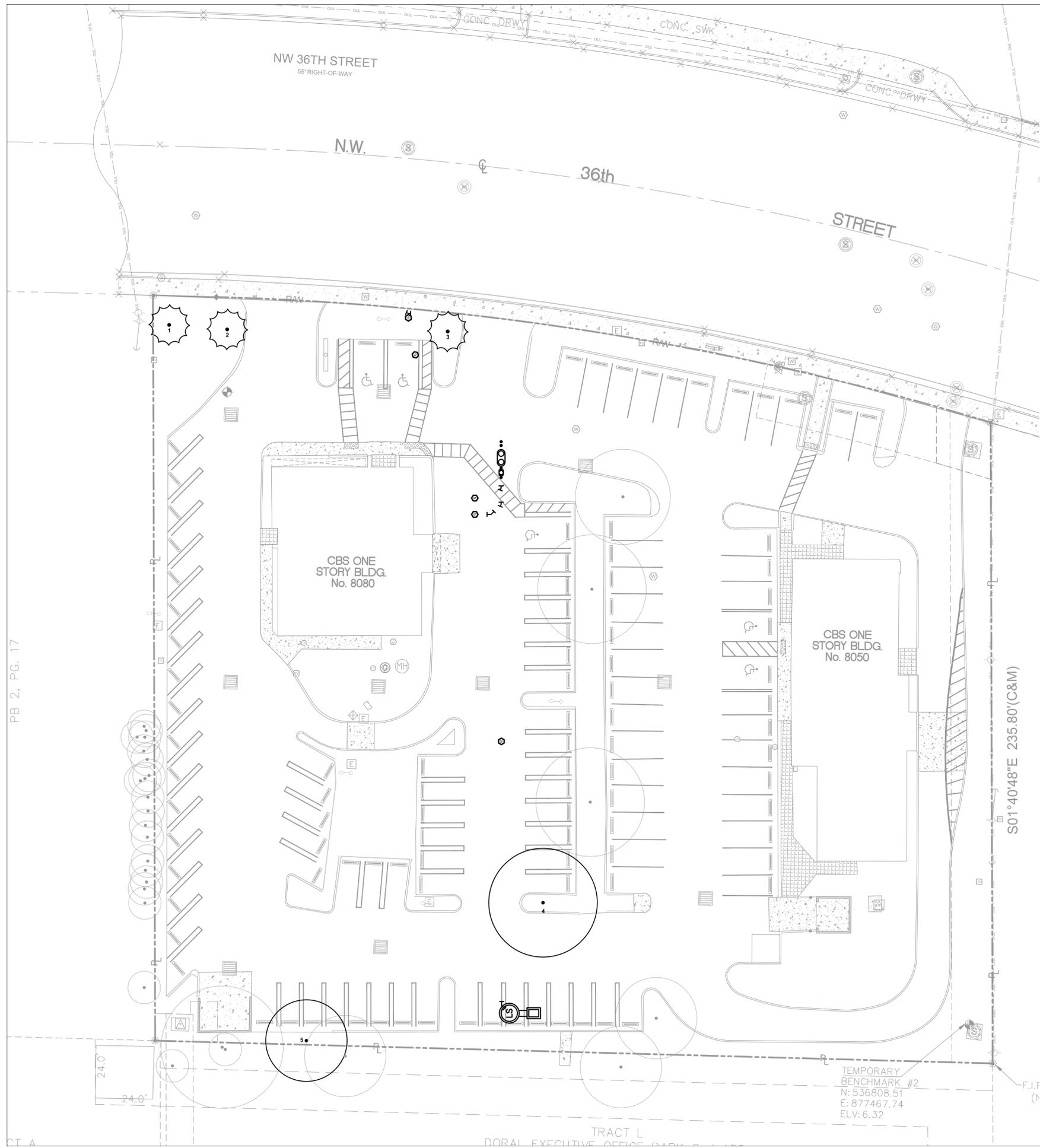
Sheet Title:  
**CONSTRUCTION**  
**DETAILS**  
Sheet Number:



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.  
Check positive response codes before you dig!





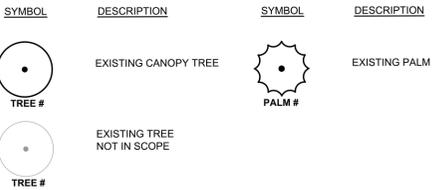


GRAPHIC SCALE IN FEET  
 0 10 20 30 40  
 SCALE: 1" = 20' @ 22X34

TREE INVENTORY					
TREE NO.	SCIENTIFIC NAME	COMMON NAME	DBH (IN.)	HEIGHT (FT)	CANOPY (FT)
1	<i>Roystonea regia</i>	Royal Palm	18	50	15
2	<i>Roystonea regia</i>	Royal Palm	18	40	15
3	<i>Roystonea regia</i>	Royal Palm	18	40	15
4	<i>Conocarpus erectus</i>	Green Buttonwood	25	45	40
5	<i>Bucida buceras</i>	Black Olive	20	45	30

- Notes:
- Information utilized in preparation of the Tree Inventory and Tree Disposition plans ascertained from and reliant upon 'ALTA/NSPS Land Title Survey' prepared by Hadonne, Corp., dated December 22, 2021.
  - Protective barriers shall be installed at the perimeter of preserved vegetation at the commencement of any site improvements and shall remain in place until completion of construction. Barriers shall be highly visible with brightly colored all-weather mesh material or equivalent. Refer to Civil Engineering plans for additional requirements and details.
  - Contractor shall take all necessary precautionary measures during the removal of trees and palms under powerlines to insure a safe condition. Contractor shall engage a licensed ISA certified arborist experienced with working around high voltage to supervise the removal work.

TREE SURVEY GRAPHIC LEGEND



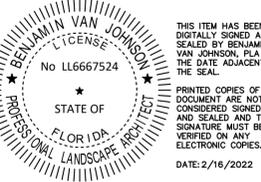
Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 6767 Perkins Road, Suite 200  
 Baton Rouge, Louisiana 70808  
 Telephone: 225 769-0546  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

ENTITLEMENTS  
 11-19-2021

**Kimley»Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

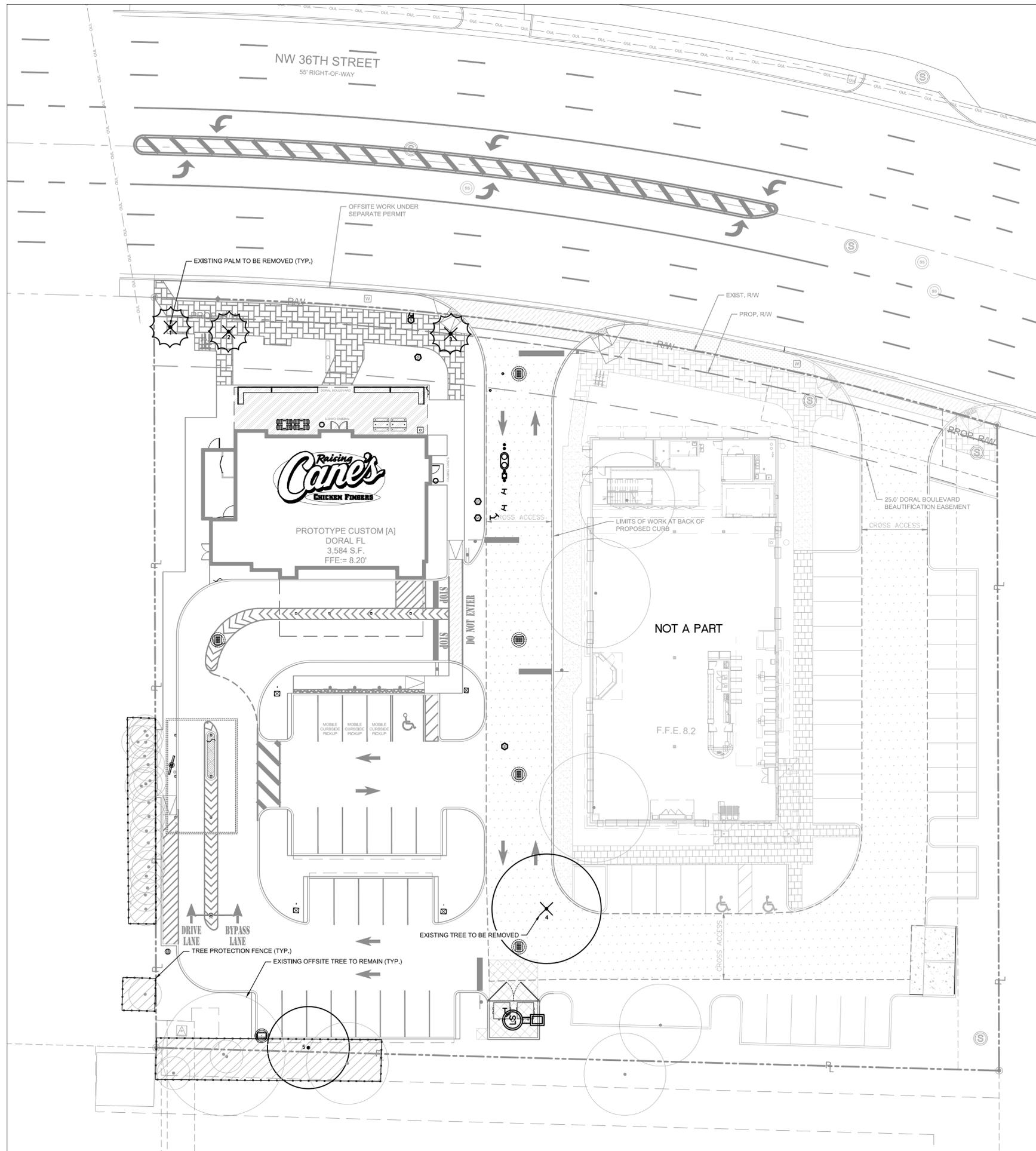
Sheet Title:

TREE SURVEY

Sheet Number:  
 L-100

PB 2, PG. 17

CT A



TREE DISPOSITION						
TREE NO.	SCIENTIFIC NAME	COMMON NAME	DBH (IN.)	HEIGHT (FT)	CANOPY (FT)	DISPOSITION
1	<i>Roystonea regia</i>	Royal Palm	18	50	15	Remove
2	<i>Roystonea regia</i>	Royal Palm	18	40	15	Remove
3	<i>Roystonea regia</i>	Royal Palm	18	40	15	Remove
4	<i>Conocarpus erectus</i>	Green Buttonwood	25	45	40	Remove
5	<i>Bucida buceras</i>	Black Olive	20	45	30	Remain

### TREE DISPOSITION GRAPHIC LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TREE #		PALM #
	TREE #		TREE PROTECTION FENCE
	EXISTING TREE NOT IN SCOPE		

Notes:

- The contractor shall be responsible for consulting an ISA Certified Arborist to provide written direction and be present at the time of any work being performed within the existing tree canopy limits (critical root zone). Contractor shall hand excavate all operations within the critical root zone to prevent adverse impacts to the existing root system.

*Specimen Canopy Removed =	1,256 sf
Other Canopy Removed =	529 sf
<b>Total Canopy to be Replaced =</b>	<b>3,042 sf</b>
<b>Total Replacement Provided =</b>	<b>15,200 SF</b>
	See Sheet L-300 for Replacement Table
* Specimen to be replaced by double the canopy removed.	



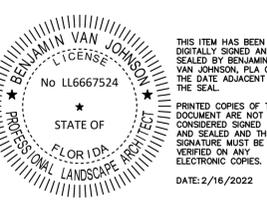
Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 6767 Perkins Road, Suite 200  
 Baton Rouge, Louisiana 70808  
 Telephone: 225 769-0546  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley»Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**TREE DISPOSITION PLAN**

Sheet Number:  
**L-200**

# TREE REMOVAL/TRANSPLANT SPECIFICATIONS

## PART 1 - EXPLANATION OF NATURAL RESOURCE PRESERVATION PROCEDURES

- The sequence of operation is critical to the protection of the trees.
- Tree canopy pruning is to compensate for root loss and damage.
  - Fertilization is to stimulate root systems to heal quickly and grow back in root-pruned areas. It also produces faster availability of food to a root system that is less efficient due to the damage incurred.
  - Root pruning is to remove the roots with a trenching procedure that is less damaging to the roots than regular construction.
  - Mulching is to increase moisture-holding capacity and keep the temperature of the soil more constant.

## PART 2 - DEFINITIONS

- Combo Fence - Combination silt and natural resource protection fence (see detail).
- Critical Root Zone - The mass of roots surrounding a tree that is required by the tree to live. The critical root zone is often much larger than the canopy. Shown on the plans as dashed circles.
- DBH - Diameter Breast High - Indicates the location on the trunk, approximately 4.5' above ground, to measure the diameter of a tree.
- Grade - Refers specifically to grade on the Significant Tree or Transplant Schedule. The grade of a tree refers to the overall health and appearance of the tree. The grades range from "A" being excellent to "D" being hazardous.
- Presave Trees - Trees that are to be saved in place.
- Project Urban Forester - A representative, hired and paid for by the owner, that supervises the construction of the procedures shown on the natural resource plans.
- Protection Zones/Areas - Any area enclosed partially or completely by a fence shown on the natural resource plans.
- Spade Transplant - A tree transplanted using a tree spade machine.
- Transplanted Trees - Trees that are to be moved by hand, spade, crane or gantry to another location.

## PART 3 - PRODUCTS FOR TREE TREATMENT

Every effort shall be made to utilize chemicals of an organic or biodegradable nature in order to offer the least impact to the natural environment. Contractor is responsible for mixing, applying, and disposal of all chemicals in accordance with strict adherence to manufacturer's directions, unless otherwise directed in these drawings.

- Chemical Treatments.
  - Recommended Fertilizer:
    - "XL Injecto Feed", product of Doggett Corp., Lebanon, New Jersey (908) 236-6335. Apply a 12/24/24 ratio with a dilution rate 1/3 more water than specified on bag.
  - Recommended Wetting Agent:
    - "APSA-907", product of Amway Corp. (800) 253-7088.
  - Mycorrhizal Treatment:
    - Plant Health Care, Inc. (800) 421-9051. Products of the same type from other sources shall not be excluded, provided they possess like physical and functional characteristics and are approved by the Project Landscape Architect.
- Insecticide Treatments.
  - "Astro", a product of FMC Corporation. (800) 321-1362.
- Fencing Materials.
  - Woven wire fence (Minimum 14.5 gauge maximum 6" mesh spacing).
  - Artic Vinyl Flagging, Color: International Orange. Forestry Suppliers Catalog (800) 647-5368. Artic Vinyl Flagging is required due to strength and longevity. No substitution without approval of Project Urban Forester.
  - 6" T-Bar Post.
  - T-Bar Post Caps.
    - Rebar Caps. Brilliant Orange mushroom type as manufactured by Mutual Industries North (800) 523-0888 or equal.
    - R-4 T-Bar Post Caps as manufactured by RammFence (800) 434-8455 or equal.

## PART 4 - EXECUTION

- Tree Canopy Pruning Operation
  - Trees to be pruned shall include only trees affected by construction or as designated on Significant Tree or Transplant Schedule. This item is to be coordinated by the Project Urban Forester.
  - All pruning shall be done in accordance with ANSI A300 (Part 1) Pruning.
  - Certified Arborist shall perform all pruning.
  - Pruning shall consist of the following methods:
    - Cleaning, see Sect. 5.6.1.
    - Interfering branch removal.
    - Raising, see Sect. 5.6.4. Height to be 6' (min.) in parking lot areas only.
- Fertilization Operation
  - Only trees affected by construction or as shown on the Tree Removal Plan shall be treated
  - Trees specified to receive fertilizer shall be treated in the fall of 2008. Preserve Tree Injectable Fertilizer Treatment. See detail sheet.
    - Mix fertilizer with a dilution rate 1/3 more water than label instructions into a tank with agitation capability (15lbs. = 133 Gallons).
    - Mix Wetting Agent at a rate of 5 oz. Per 100 gallons of fertilizer solution into same tank with fertilizer. Agitate mix.
    - Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site.
    - Critical Root Zone areas shall be injected, where possible, in the Critical Root Zone area plus 2' beyond Critical Root Zone, but not beyond Root Prunes. See detail.
    - Fertilizer shall be installed prior to installation of any aeration systems.

AT THE REQUEST OF THE SPECIFIER, EMPTY PRODUCT BAGS TO BE RETURNED TO THE SPECIFIER FOR PROOF OF USE.
  - Transplant Injectable Fertilizer Treatment.
    - Mix fertilizer with a dilution rate 1/3 more water than label instructions into a tank with agitation capability (15lbs. = 133 Gallons).
    - Mix Wetting Agent at a rate of 5 oz. Per 100 gallons of fertilizer solution into same tank with fertilizer. Agitate mix.
    - Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site.
    - See transplant details on this sheet for injection locations.

EMPTY PRODUCT BAGS TO BE STOCKPILED FOR INSPECTION BY PROJECT LANDSCAPE ARCHITECT PRIOR TO DISPOSAL.
  - Transplant Inoculant & Biostimulant. See Detail Sheet.
    - Use one 3 oz. Packet of MycorTree Tree Saver Transplant Mycorrhizal Transplant Inoculant for every 1-foot diameter of root ball. Mix inoculant in 10" wide topsoil ring around the root ball.
    - Mix one 4 oz. Bag of MycorTree Tree Saver Injectable Mycorrhizal Inoculant and 4 packs (to equal 1 pound) PHC BioPack per 100 gallons of water.
    - Agitate for 10 minutes.
    - Inject the mixture with a hydraulic injection system set at 100 to 150 p.s.i. for sandy soils, 200 p.s.i. for silt/clay soils, into the upper 6-12 inches of soil with a soil probe. Inject at the rate of one third (1/3) gallon at each injection site. See transplant details on this sheet for injection locations.

EMPTY PRODUCT BAGS TO BE STOCKPILED FOR INSPECTION BY PROJECT LANDSCAPE ARCHITECT PRIOR TO DISPOSAL.
  - Transplant Maintenance
    - Approximately one year after planting, the Tree Relocation Contractor shall refertilize all transplants utilizing the same procedure.
- Insecticide Operation
  - Apply "Astro" as a topical solution if recommended by Project Landscape Architect or by these plans. Notify Project Landscape Architect if an infestation is noticed. Apply around base of trunk to soil line, trunk and any limb 1/3 the size of the trunk to 25'-30' high. Insure complete coverage. Reapply "Astro" 2-3 months after initial application utilizing same procedure.
  - Follow all manufacturers' recommendations concerning application when applying "Astro". Read all warning labels. Any pets, as well as, the pets food and water bowls should be removed from the area and any swimming pools should be covered. Coordinate with Project Urban Forester for further instruction.
- Root Pruning Trenching Operation
  - Trenching locations shall be approved in the field by the Project Landscape Architect.
  - Trenching equipment that will turn at high RPM's is preferred. Trenching equipment is to be used to perform all root pruning operations. A minimum depth of three feet is required. Clean cut roots in trench on tree side with loppers or chain saw after trenching is complete.
  - The trench shall be backfilled and compacted immediately.
  - Contractor shall root prune hardwood species per the written specifications of a licensed ISA certified arborist prior to relocation or a minimum of 90 days, whichever is more stringent. Contractor shall ensure material is properly braced to ensure a safe condition at all times and require appropriate watering during root pruning to ensure survival.
- Natural Resource Protection (or Tree Protection) Fencing
  - See details for types and locations.
  - Fencing is to be located accurately per plan by General Contractors Surveyor.

## F. Tree Removals

- Natural Resource Contractor shall remove and discard all trees shown on the tree removal plan to be removed, see Existing Tree Schedule. All trees shown to be removed shall be felled with a chain saw and stump ground 6" below surface. Any tree shown to be removed and is in an area where compaction is critical the tree shall be felled with a chain saw and stump removed by Clearing Contractor. Care must be taken not to damage trees marked for preservation.
- Clearing Contractor is to clear all remaining trees after the Natural Resource Fencing is installed. If fence is damaged, repair is to be performed immediately. See Fence Penalties. Care must be taken not to damage trees marked for preservation.
- All wood from removals shall be hauled from the site the same day, except for tops. All tops are to be mulched and stockpiled or hauled directly to mulched areas, if scheduling permits. (See landscape plans for mulching). All excess wood chips should be hauled off site after landscaping is complete.
- Clearing Contractor is to haul off all stumps.
- All burn pits if applicable must be approved by the Project Urban Forester and owner.

## G. Topsoil

- All clean backfill/clean topsoil necessary for transplant operations shall fall within the limits of the planting specifications, located elsewhere in the contract documents.

## H. Machine Dug Transplant Operation

- Dig transplant-receiving hole.
- Set spade dug root ball into receiving hole 4'-6" above existing grade.
- Wash sand or topsoil into air pockets between root ball and receiving hole.
- Install topsoil ring, 4" high, 10" wide, around perimeter of root ball. Mix MycorTree Tree Saver Mycorrhizal Transplant Inoculant into topsoil ring. See Part 4 Section B for procedure.
- Install 4'-6" mulch from perimeter of root ball to within 6" of tree trunk.
- Cover topsoil ring with 1" of mulch and extend mulch 4'-6" deep, 6" away from perimeter of root ball.
- Water transplant.

## I. Holding Area for Transplants

- Coordinate with Owner's Representative for location. Coordinate construction and scheduling with Owner's Representative.
- Install protection fencing surrounding holding area after all transplants have been moved unless otherwise instructed by Owner's Representative.
- Transplants shall be placed into the soil at the holding area unless the soil is deemed unacceptable by Project Landscape Architect. If unacceptable soil is encountered, the holding area shall be relocated to a new location or excavated to a depth determined by Project Landscape Architect and new approved topsoil installed. Transplants shall be backfilled with approved topsoil.
- Install three (3) 12" tensiometers. One on opposite corners and one in the middle of the holding area. Project Landscape Architect shall adjust locations of tensiometers per observations in the field.
- General Contractor shall supply temporary irrigation to the holding area. Temporary irrigation shall consist of above the ground PVC or Polyethylene pipe, spray or rotor heads (with head to head coverage) and a controller. Set schedule per Part 7.

## PART 5 - PENALTIES

### A. Repair of Damaged Trees

- If any damage to trees or other natural resources should occur by accident or negligence during the construction period, the Project Urban Forester shall appraise the damage and make recommendations to the owner for repair by the General Contractor.
- If any tree that is designated to be saved is deemed substantially damaged or dead due to construction damage, at the sole discretion of Project Landscape Architect, the following penalties will apply:
  - Trees 1" - 12" of trunk diameter, measured at 1' from the ground will be valued at \$300.00 per diameter inch.
  - Trees 13" and above of trunk diameter measured at 4.5' from the ground will be valued at \$400.00 per diameter inch.
  - If any tree designated to be saved is removed from the site without permission of the owner's representative, the penalty will be \$600.00 per inch.

### B. Repair of Damaged Natural Resource Fences

- If any damage to Natural Resource Fences should occur by accident or negligence, the General Contractor will be responsible for immediate repairs of the initial damage. Fines will be imposed as follows:
  - First time offense, a fine of \$200.00 will be imposed.
  - In the event the fence is not repaired within 24 hours to the Owner's Representative's satisfaction, an additional fine of \$100.00 per day will be imposed, until the fence is satisfactorily repaired.
  - In the event a natural resource is damaged due to fence being down, a fine of \$200.00 plus the cost of repair or replacement of the natural resource as appraised by the Project Landscape Architect will be imposed.

## PART 6 - NATURAL RESOURCE PROTECTION SEQUENCE

### A. The sequence of tree treatment and preservation measures shall be:

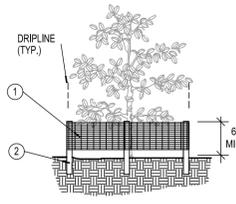
- Root Pruning and Root Barriers.
  - Natural Resource Fencing.
  - Clearing and Grading.
  - Tree Pruning.
  - Fertilization.
  - Insecticide
- General Contractor's Surveyor shall stake all site improvements in order to facilitate accurate location of trenching and fencing operations.
- Maintain and repair Natural Resource fencing during site construction operations.
  - General Contractor's access to Fenced protection areas will be permitted only with approval of owner's representative.
  - Perform any excavation or grading required within the fenced root zone areas by hand. This operation is to be supervised by the Project Landscape Architect or Owner's Representative.
  - Limit required grading to 3" cut or fill within the fenced tree root zone areas. All grading to be supervised by the Owner's Representative.
  - Clear by hand designated trees, shrubs, vines and groundcover from protected root zone areas.
  - Do not install conduit, sprinklers, or any utility line in any critical root zone area without the approval of the Project Landscape Architect.

## PART 7 - IRRIGATION

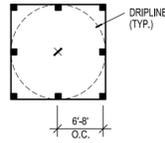
Every effort shall be made to water the transplants as shown below. The Landscape Architect and/or Owner's Representative shall inspect all irrigation zones during the initial irrigation months and adjust settings accordingly to insure proper watering. Water in all transplants immediately after planting. Tree Relocation Contractor shall water by hand or by temporary irrigation, all transplants after planting as required by Landscape Architect or Owner's Representative until permanent irrigation is installed and operating. Irrigation Contractor shall install systems and set controllers as shown below.

### A. Transplant Irrigation Zones & Holding Area Zones

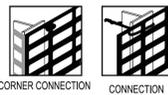
- Use the following watering schedule for all transplants:
- Set the controller to water for the following limits:
    - First 90 days = 15 minutes, 4 times a week. (0.5" per application = 2" per week)
    - 90 days - 270 days = 2 times a week (1" per application = 2" per week)
    - 270 days on = 2 times a week (0.5" per application = 1" per week)
- Irrigation within current watering restrictions, as applicable.



ELEVATION



PLAN VIEW



CORNER CONNECTION CONNECTION

1 6" PERIMETER PLUS" CONSTRUCTION FENCE BY CONVIED PLASTICS OR OWNER'S REPRESENTATIVE APPROVED EQUAL. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO INSTALLATION.

2 8" TALL METAL "T" POSTS OR 2" X 2" X 8' PRESSURE TREATED WOOD POSTS WITH 24" BURIAL BELOW GRADE.

### INSTALLATION NOTES:

A. POST SELECTION SHOULD BE BASED ON EXPECTED STRENGTH NEEDS AND THE LENGTH OF TIME FENCE WILL BE IN PLACE. FLEXIBLE FIBERGLASS ROD POSTS ARE RECOMMENDED FOR PARKS, ATHLETIC EVENTS AND CROWD CONTROL. INSTALLATIONS. METAL "T" POSTS OR TREATED WOOD POSTS ARE TYPICALLY USED FOR CONSTRUCTION AND OTHER APPLICATIONS.

B. POSTS SHOULD BE DRIVEN INTO THE GROUND TO A DEPTH OF 1/4 OF THE HEIGHT OF THE POST. FOR EXAMPLE, A 8' POST SHOULD BE SET AT LEAST 2' INTO THE GROUND.

C. SPACE POSTS EVERY 6' (MIN.) TO 8' (MAX.).

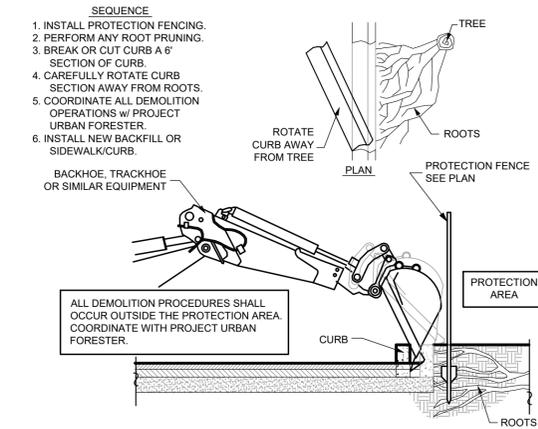
D. SECURE FENCING TO POST WITH NYLON CABLE TIES (AVAILABLE FROM CONVIED PLASTICS). WOOD STRIPS MAY BE ALSO BE USED TO PROVIDE ADDITIONAL SUPPORT AND PROTECTION BETWEEN TIES AND POSTS.

NOTE: IF WIRE TIES ARE USED, AVOID DIRECT CONTACT WITH FENCE. WIRE MAY DAMAGE FENCE OVER TIME.

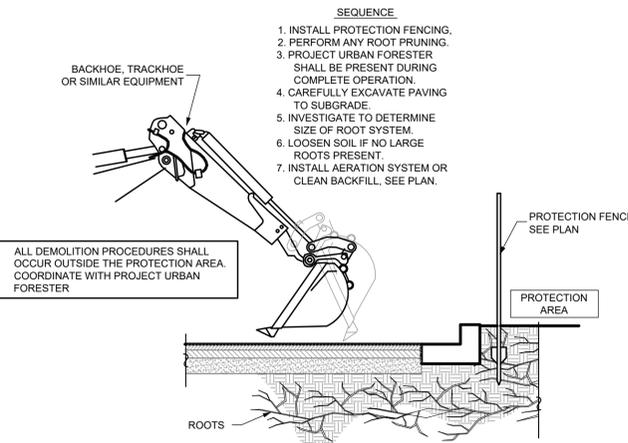
## A TREE/SHRUB PROTECTOR

Barrier Detail

NTS



## B DEMOLITION PROCEDURE - CURB



## C DEMOLITION PROCEDURE - PAVEMENT



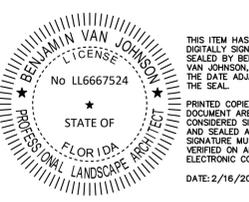
Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
6767 Perkins Road, Suite 200  
Baton Rouge, Louisiana 70808  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021

CSRS Project Manager: MRF  
**ENTITLEMENTS**  
11-19-2021

**Kimley»Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696



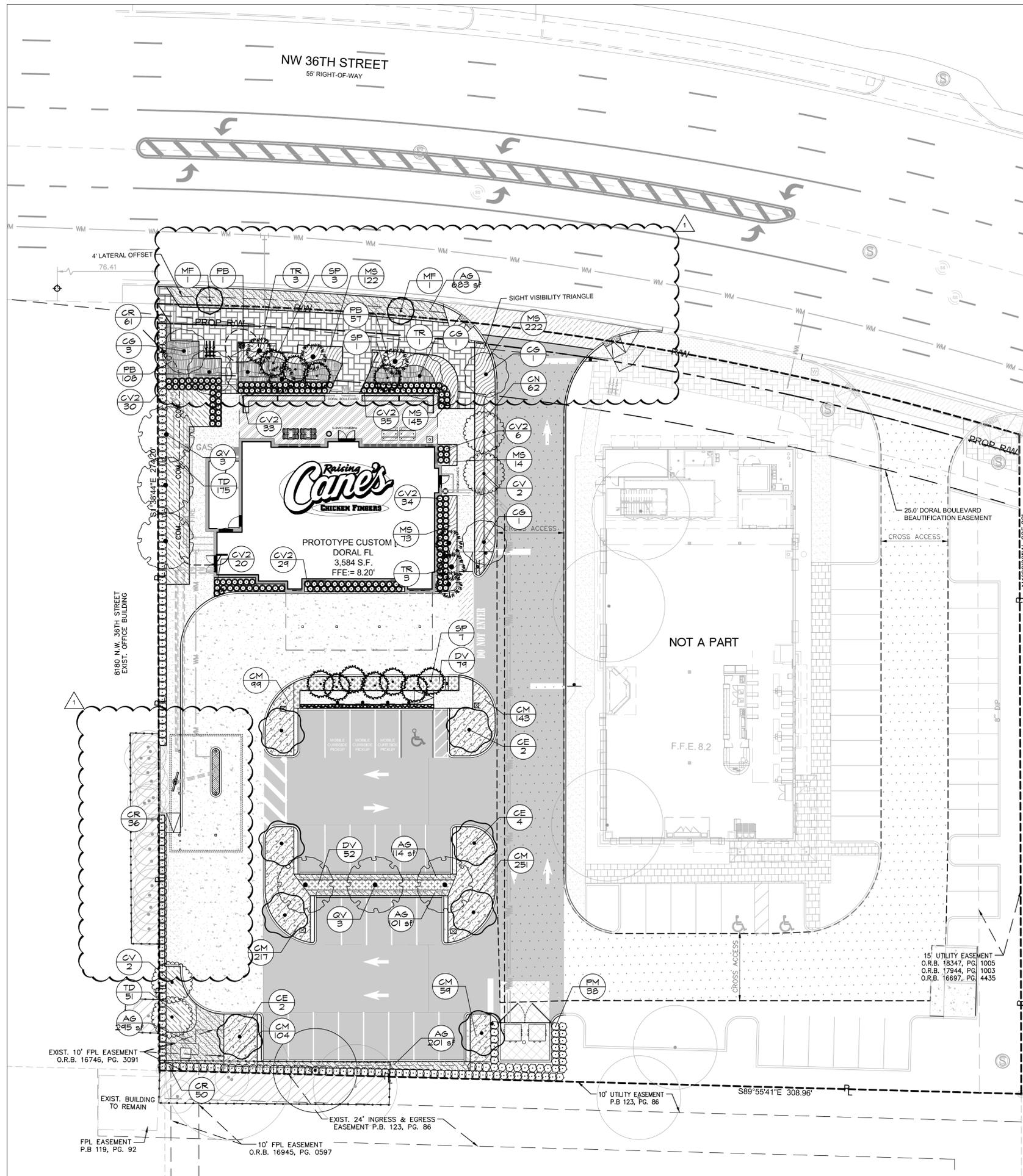
Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:

**TREE DISPOSITION NOTES AND DETAILS**

Sheet Number:  
**L-250**



**PLANT KEY**

PALM TREES	CODE	QTY	COMMON NAME
	SP	11	SABAL PALM
	TR	7	FLORIDA THATCH PALM

SHADE TREES	CODE	QTY	COMMON NAME
	CE	8	GREEN BUTTONWOOD
	CG	6	BRIDAL VEIL TREE
	QV	6	SOUTHERN LIVE OAK

SMALL TREES	CODE	QTY	COMMON NAME
	CV	4	WEeping BOTTLEBRUSH
	MF	2	SIMPSON'S STOPPER SINGLE TRUNK, 6' CLEAR TRUNK

SHRUBS	CODE	QTY	COMMON NAME
	CR	142	RED TIP COCOPLUM
	CV2	187	SHOESTRING CROTON
	PM	38	PODOCARPUS

SHRUB AREAS	CODE	QTY	COMMON NAME
	CN	62	DWARF PITCH APPLE
	PB	166	BURLE MARX PHILODENDRON

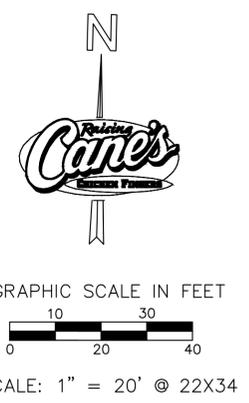
GRASSES	CODE	QTY	COMMON NAME
	DV	131	WHITE AFRICAN IRIS
	TD	226	FLORIDA GAMAGRASS

GROUND COVERS	CODE	QTY	COMMON NAME
	CM	873	DWARF NATAL PLUM
	MS	576	WART FERN

SOD/SEED	CODE	QTY	COMMON NAME
	AG	1,394 SF	PERENNIAL PEANUT



**TREE MITIGATION GUIDELINES**

If you plant a:	With this minimum height:	Credit obtained in square feet (sq.ft.):
Shade (Hardwood) Tree 1	Minimum 12' Overall Height	500
Shade (Hardwood) Tree 2	Minimum 8' Overall Height	300
Palm Tree 1	Minimum 10' Clear Trunk	300
Palm Tree 2	Minimum 3' Clear Trunk	100
Small Tree	Minimum 6' Overall Height	200

\*Refer to sheet L-200 for tree mitigation requirements table.



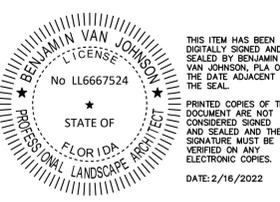
Store:  
**Raising Cane's**  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 6767 Perkins Road, Suite 200  
 Baton Rouge, Louisiana 70808  
 Telephone: 225 769-0546  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley»Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

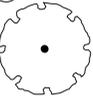
Sheet Title:

**LANDSCAPE PLAN**

Sheet Number:

**L-300**

**PLANT SCHEDULE**

PALM TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HT
	SP	11	SABAL PALMETTO / SABAL PALM	FG	10" DBH MIN	15' - 18' CT STAGGERED
	TR	7	THRINAX RADIATA / FLORIDA THATCH PALM	FG	4" DBH	6' - 10' HT STAGGERED
SHADE TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HT
	CE	8	CONOCARPUS ERECTUS / GREEN BUTTONWOOD	FG	3" CAL MIN	14' HT MIN
	CG	6	CAESALPINIA GRANADILLO / BRIDAL VEIL TREE	FG	3" CAL MIN	14' HT MIN
	QV	6	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK	FG	3" CAL MIN	14' HT MIN
SMALL TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	CAL	HT
	CV	4	CALLISTEMON VIMINALIS / WEEPING BOTTLEBRUSH	FG	2.5" CAL MIN	10' HT MIN
	MF	2	MYRCIANTHES FRAGRANS / SIMPSON'S STOPPER SINGLE TRUNK, 6' CLEAR TRUNK	FG	2.5" CAL MIN	12' HT MIN
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	CR	142	CHRYSOBALANUS ICAGO 'RED TIP' / RED TIP COCOPLUM	CONT	30" OC	36" X 36"
	CV2	187	CODIAEUM VARIEGATUM 'SHOESTRING' / SHOESTRING CROTON	CONT	24" OC	24" X 24"
	PM	38	PODOCARPUS MACROPHYLLUS / PODOCARPUS	CONT	30" OC	24" X 48"
SHRUB AREAS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	CN	62	CLUSIA ROSEA 'NANA' / DWARF PITCH APPLE	CONT	24" OC	24" X 24"
	PB	166	PHILODENDRON X 'BURLE MARX' / BURLE MARX PHILODENDRON	CONT	18" OC	18" X 18"
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	DV	131	DIETES VEGETA / WHITE AFRICAN IRIS	CONT	24" OC	24" HT MIN
	TD	226	TRIPSACUM FLORIDANUM / FLORIDA GAMAGRASS	CONT	24" OC	24" HT MIN
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	CM	873	CARISSA MACROCARPA 'EMERALD BLANKET' / DWARF NATAL PLUM	CONT	18" OC	18" X 18"
	MS	576	MICROSORUM SCOLOPENDRIA / WART FERN	CONT	15" OC	12" X 12"
SOD/SEED	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SPACING	SIZE
	AG	1,394 SF	ARACHIS GLABRATA / PERENNIAL PEANUT	PALLET	SOD	SOD

**LANDSCAPE LEGEND**

Zoning District CC Net Lot Area: 0.94 Acres or 41,068 SF

**OPEN SPACE**

A. Square feet of open space required by Chp. 71, as indicated on site plan:  
 Net Lot Area = 41,068 x 10%

B. Square feet of parking lot open space required by Chp 18A, as indicated on site plan:  
 The number of parking spaces = 24 x 10 SF per parking space =

C. Total SF of landscaped open space required by Chp. 71 = A + B

REQUIRED	PROVIDED
<u>4,107</u> SF	<u>6,407</u> SF
<u>240</u> SF	<u>2,247</u> SF
<u>4,347</u> SF	<u>8,654</u> SF
<u>4,347</u> SF	- SF
<u>869</u> SF	- SF

**LAWN AREA CALCULATION**

A. Total square feet of landscape open space required by Chp. 71 =

B. Maximum lawn area permitted = 20% x required landscape open space =

Note: Very dry tolerant grasses and low growing native plants, including grasses and forbs, as referenced in the Landscape Manual, may be used as groundcover beyond the maximum permitted grass area specified.

**TREES**

A. The number of site trees required per net lot area = 21 site trees per net lot area less the existing number of trees that meet minimum requirements 1 existing trees  
 required trees x net lot acreage = 20 trees - existing trees

B. 30% palm trees allowed (two palms = one tree) =

C. Percentage of native trees required = the number of trees provided x 30% =

D. Street trees (max. average spacing of 35' O.C.):  
114 linear feet along street / 35 =

E. Street trees located directly beneath power lines (max. average spacing of 25' O.C.):  
0 linear feet along street / 25 =

F. Total number of trees provided: required site trees + street trees =

REQUIRED	PROVIDED
<u>19</u> trees	<u>32</u> trees
<u>10</u> "trees"	<u>9</u> "trees"
<u>10</u> trees	<u>25</u> trees
<u>16</u> trees	<u>28</u> trees
<u>3</u> trees	<u>*3</u> trees
- trees	- trees
<u>22</u> trees	<u>35</u> trees
<u>190</u> shrubs	<u>429</u> shrubs
<u>95</u> shrubs	<u>204</u> shrubs

**SHRUBS**

A. The total number of trees required x 10 = the number of shrubs required

B. The number of shrubs required x 50% = the number of native shrubs required

**IRRIGATION PLAN**

Required by Chp. 71:  
 Auto Irrigation x

\*Street calculations include one Bridalveil canopy tree located onsite. Due to site access, sight visibility restrictions, and lateral offset restrictions the site is only able to accommodate two (2) street trees within the right-of-way.

**Planting Notes:**

- Contractor shall refer to the landscape planting details, plant list, general notes and all contract documents for additional specifications.
- Plant list quantities are provided for convenience. In the event of quantity discrepancies the drawing shall take precedence. Any discrepancies shall be brought to the attention of the landscape architect prior to bidding in writing.
- Plant sizes listed are the minimum size that will be accepted for that plant. Contractor shall submit photographs for review and evaluation by Landscape Architect.
- Any substitution in size and/or plant material must be approved by the landscape architect in writing. All plants will be subject to approval by Landscape Architect and/or owners representative before planting can begin.
- Contractor shall field adjust location of plant material as necessary to avoid damage to existing underground utilities and/or interfere with existing above ground elements. All changes required shall be completed at the contractor's expense and shall be coordinated with the owner's representative and the landscape architect.
- The contractor shall bear all costs of testing of soils, amendments, etc. associated with the work and included in the specifications.
- Contractor shall familiarize him/herself with the limits of work and existing conditions and verify all information. If discrepancies exist, contractor shall notify owner's representative and Landscape Architect in writing within seven calendar days of notice to proceed.
- All new and transplanted plant material shall be irrigated by an automatic underground irrigation system, meeting all required federal, state, and municipal requirements. Contractor shall submit shop drawings and specifications for evaluation and review by Landscape Architect prior to commencement of work.
- Contractor shall verify in field all existing infrastructure to remain and shall insure final layout of plant material complies with FDM 212.11 in order to maintain required sight lines. Final placement of plant material shall be reviewed in field prior to final installation with the client and Kimley-Horn landscape architect. Bed lines may be adjusted slightly in the field based upon on-site conditions to reconcile any potential unforeseen conflicts from verified site conditions.
- Contractor shall maintain sight triangles in perpetuity to insure a safe condition and receive written confirmation from the Client that they shall do so after the guarantee period expires. Contractor shall submit written evidence of such confirmation to the landscape architect prior to project close out.



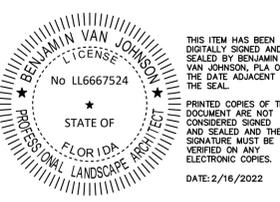
Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 6767 Perkins Road, Suite 200  
 Baton Rouge, Louisiana 70808  
 Telephone: 225 769-0546  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

**Kimley»Horn**  
 355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:  
**LANDSCAPE SCHEDULE AND CODE LEGEND**  
 Sheet Number:  
**L-301**

**GENERAL LANDSCAPE SPECIFICATIONS AND NOTES**

**A. SCOPE OF WORK**

1. THE WORK CONSISTS OF: FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND ANY OTHER APPURTENANCES NECESSARY FOR THE COMPLETION OF THIS PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN SPECIFIED.
2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL CONTRACT PLANTING AREAS UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

**B. PROTECTION OF EXISTING STRUCTURES**

1. ALL EXISTING BUILDINGS, WALKS, WALLS, PAVING, PIPING, OTHER SITE CONSTRUCTION ITEMS, AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, AT NO COST TO THE OWNER.

**C. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS EXISTING OR OTHERWISE, CAUSED BY CARELESS EQUIPMENT OPERATION, MATERIAL STOCKPILING, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE AND SPILLING OIL, GASOLINE, OR OTHER DELETERIOUS MATERIALS WITHIN THE DRIP-LINE. NO MATERIALS SHALL BE BURNED WHERE HEAT WILL DAMAGE ANY PLANT. EXISTING TREES KILLED OR DAMAGED SO THAT THEY ARE MISSHAPEN AND/ OR UNSIGHTLY SHALL BE REPLACED AT THE COST TO THE CONTRACTOR OF ONE HUNDRED DOLLARS (\$100) PER CALIPER INCH ON AN ESCALATING SCALE WHICH ADDS AN ADDITIONAL TWENTY (20) PERCENT PER INCH OVER FOUR (4) INCHES CALIPER AS FIXED AND AGREED LIQUIDATED DAMAGES. CALIPER SHALL BE MEASURED SIX (6) INCHES ABOVE GROUND LEVEL FOR TREES UP TO AND INCLUDING FOUR (4) INCH CALIPER AND TWELVE (12) INCHES ABOVE GROUND LEVEL FOR TREES OVER FOUR (4) INCH CALIPER.

**D. MATERIALS**

**1. GENERAL**

- a. MATERIALS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL. UPON SUBMITTALS' APPROVAL, DELIVERY OF MATERIALS MAY COMMENCE.

MATERIAL	SUBMITTAL
MULCH	PRODUCT DATA
TOPSOIL MIX	AMENDMENT MIX/ PRODUCT DATA/ TEST RESULTS
PLANTS	PHOTOGRAPHS OF ONE (1) OF EACH SPECIES (OR TAGGED IN NURSERY) INDICATE SIZES (HEIGHT/WIDTH) AND QUALITY PER SPEC. CLIENT REQUESTED TAGGING MAY SUBSTITUTE PHOTOS.
FERTILIZER	PRODUCT DATA
INNOCULANT	PRODUCT DATA
HERBICIDE	PRODUCT DATA

**2. PLANT MATERIALS**

- a. PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED ON THE DRAWINGS. NOMENCLATURE SHALL CONFORM TO STANDARDIZED PLANT NAMES, 1942 EDITION. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH GRADES AND STANDARDS FOR NURSERY PLANTS, LATEST EDITION, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. ALL PLANTS SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE HEALTHY, VIGOROUS, SOUND, WELL-BRANCHED, AND FREE OF DISEASE AND INSECTS, INSECT EGGS AND LARVAE AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER. WHERE ANY REQUIREMENTS ARE OMITTED FROM THE PLANT LIST, THE PLANTS FURNISHED SHALL BE NORMAL FOR THE VARIETY. PLANTS SHALL BE PRUNED PRIOR TO DELIVERY ONLY WITH APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE. NO SUBSTITUTIONS SHALL BE MADE WITHOUT WRITTEN PERMISSION FROM THE OWNER'S REPRESENTATIVE.
- b. MEASUREMENTS: THE HEIGHT AND/OR WIDTH OF TREES SHALL BE MEASURED FROM THE GROUND OR ACROSS THE NORMAL SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS LARGER IN SIZE THAN THOSE SPECIFIED IN THE PLANT LIST MAY BE USED IF APPROVED BY THE OWNER. IF THE USE OF LARGER PLANTS IS APPROVED, THE BALL OF EARTH OR SPREAD OF ROOTS SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.
- c. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE OWNER, FOR QUALITY, SIZE, AND VARIETY; SUCH APPROVAL SHALL NOT IMPAIR THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOT BALLS OR ROOTS, LATENT DEFECTS OR INJURIES. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTION SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANTICIPATED DATE.

**E. SOIL MIXTURE**

1. SOIL MIXTURE (PLANTING MEDIUM FOR PLANT PITS) SHALL CONSIST OF 50% COARSE SAND AND 50% FLORIDA PEAT, AS DESCRIBED BELOW.
2. SOIL FOR USE IN PREPARING SOIL MIXTURE FOR BACKFILLING PLANT PITS SHALL BE FERTILE, FRIABLE, AND OF A LOAMY CHARACTER; REASONABLY FREE OF SUBSOIL, CLAY LUMPS, BRUSH WEEDS AND OTHER LITTER; FREE OF ROOTS, STUMPS, STONES LARGER THAN 2" IN ANY DIRECTION, AND OTHER EXTRANEIOUS OR TOXIC MATTER HARMFUL TO PLANT GROWTH. IT SHALL HAVE A PH BETWEEN 5.5 AND 7.0. - SUBMIT SAMPLE AND PH TESTING RESULTS FOR APPROVAL.
3. SAND SHALL BE COARSE, CLEAN, WELL-DRAINING, NATIVE SAND. CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TEST FOR THE SOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT FOR APPROVAL BY THE OWNER.
4. CONTRACTOR TO SUBMIT SAMPLES OF SOIL MIXTURE FOR OWNER'S REPRESENTATIVE APPROVAL PRIOR TO PLANT INSTALLATION OPERATIONS COMMENCE.
5. CONTRACTOR SHALL PROVIDE PH TEST RESULT FOR ALL MIX COMPONENTS.
6. CONTRACTOR SHALL PROVIDE PENETROMETER ON-SITE AT ALL TIMES FOR COMPACTION INSPECTION AT THE DISCRETION OF THE LANDSCAPE ARCHITECT.
7. PENETROMETER CRITERIA / SPECIFICATION SHALL RANGE FROM APPROX. 75 PSI TO LESS THAN 300 PSI OR AS DETERMINE BY LANDSCAPE ARCHITECT.

8. SOIL SHALL BE SUPPLIED BY ATLAS PEAT & SOIL INC. 9621 STATE RD, BOYNTON BEACH, FLORIDA 33472. PHONE: 561-734-7300 OR APPROVED EQUAL.
9. FINAL MIX SHALL BE TESTED TO HAVE A SATURATED WEIGHT OF NO MORE THAN 110 POUNDER PER CUBIC FOOT WHEN COMPACTED TO 85% STANDARDS PROCTOR.

**F. WATER**

1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE PLANT GROWTH AND SHALL NOT CONTAIN HARMFUL, NATURAL OR MAN-MADE ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE ARRANGEMENTS FOR ITS USE BY HIS TANKS, HOSES, SPRINKLERS, ETC.. IF SUCH WATER IS NOT AVAILABLE AT THE SITE, THE CONTRACTOR SHALL PROVIDE SATISFACTORY WATER FROM SOURCES OFF THE SITE AT NO ADDITIONAL COST TO THE OWNER.
2. CONTRACTOR SHALL INSURE ALL PLANT MATERIAL RECEIVES APPROPRIATE WATER THROUGHOUT THE GUARANTEE PERIOD SO PLANT MATERIAL THRIVES AND ESTABLISHES READILY.
3. CONTRACTOR SHALL SUBMIT A WATERING SCHEDULE FOR WRITTEN APPROVAL BY THE CLIENT.

\*WATERING/IRRIGATION RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

**G. FERTILIZER**

1. CONTRACTOR SHALL PROVIDE FERTILIZER APPLICATION SCHEDULE TO OWNER, AS APPLICABLE TO SOIL TYPE, PLANT INSTALLATION TYPE, AND SITE'S PROPOSED USE. SUGGESTED FERTILIZER TYPES SHALL BE ORGANIC OR OTHERWISE NATURALLY-DERIVED.
- \*FERTILIZER RESTRICTIONS MAY APPLY - REFER TO PROPERTY'S JURISDICTIONAL AUTHORITY.

**H. MULCH**

1. MULCH MATERIAL SHALL BE MOISTENED AT THE TIME OF APPLICATION TO PREVENT WIND DISPLACEMENT, AND APPLIED AT A MINIMUM DEPTH OF 3 INCHES. CLEAR MULCH FROM EACH PLANTS' CROWN (BASE). TYPE OF MATERIAL: "FLORIMULCH" OR SHREDDED, STERILE EUCALYPTUS MULCH.

**I. DIGGING AND HANDLING**

1. PROTECT ROOTS OR ROOT BALLS OF PLANTS AT ALL TIMES FROM SUN, DRYING WINDS, WATER AND FREEZING, AS NECESSARY UNTIL PLANTING. PLANT MATERIALS SHALL BE ADEQUATELY PACKED TO PREVENT DAMAGE DURING TRANSIT. TREES TRANSPORTED MORE THAN TEN (10) MILES OR WHICH ARE NOT PLANTED WITHIN THREE (3) DAYS OF DELIVERY TO SITE SHALL BE SPRAYED WITH AN ANTITRANSPIRANT PRODUCT ("WILTPRUF" OR EQUAL) TO MINIMIZE TRANSPIRATIONAL WATER LOSS.
2. BALLED AND BURLAPPED PLANTS (B&B) SHALL BE DUG WITH FIRM, NATURAL BALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS. NO PLANTS MOVED WITH A ROOT BALL SHALL BE PLANTED IF THE BALL IS CRACKED OR BROKEN. PLANTS BALLED AND BURLAPPED OR CONTAINER GROWN SHALL NOT BE HANDLED BY STEMS.
3. PLANTS MARKED "BR" IN THE PLANT LIST SHALL BE DUG WITH BARE ROOTS, COMPLYING WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION. CARE SHALL BE EXERCISED THAT THE ROOTS DO NOT DRY OUT DURING TRANSPORTATION AND PRIOR TO PLANTING.
4. PROTECTION OF PALMS (IF APPLICABLE): UP TO A MINIMUM OF FRONDS SHALL BE REMOVED FROM THE CROWN OF THE PALM TREES TO FACILITATE MOVING AND HANDLING. CLEAR TRUNK (CT) SHALL BE AS SPECIFIED AFTER THE MINIMUM OF FRONDS HAVE BEEN REMOVED. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAIL.
5. EXCAVATION OF TREE PITS SHALL BE PERFORMED USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR LANDSCAPE ELEMENTS, FOOTERS AND PREPARED SUB-BASES.

**J. CONTAINER GROWN STOCK**

1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED PLANTS ESTABLISHED IN THE CONTAINER IN WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, FLORIDA #1 OR BETTER.
2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER. CONTAINER GROWN STOCK SHALL NOT BE HANDLED BY THEIR STEMS.
3. PLANT ROOTS BOUND IN CONTAINERS ARE NOT ACCEPTABLE.
4. SUBSTITUTION OF NON-CONTAINER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NOT BE PERMITTED WITHOUT WRITTEN APPROVAL IS OBTAINED FROM THE OWNER OR OWNER'S REPRESENTATIVE.

**K. COLLECTED STOCK**

1. WHEN THE USE OF COLLECTED STOCK IS PERMITTED AS INDICATED BY THE OWNER OR OWNER'S REPRESENTATIVE, THE MINIMUM SIZES OF ROOTBALLS SHALL BE EQUAL TO THAT SPECIFIED FOR THE NEXT LARGER SIZE OF NURSERY GROWN STOCK OF THE SAME VARIETY.

**L. NATIVE STOCK**

1. PLANTS COLLECTED FROM WILD OR NATIVE STANDS SHALL BE CONSIDERED NURSERY GROWN WHEN THEY HAVE BEEN SUCCESSFULLY RE-ESTABLISHED IN A NURSERY ROW AND GROWN UNDER REGULAR NURSERY CULTURAL PRACTICES FOR A MINIMUM OF TWO (2) GROWING SEASONS AND HAVE ATTAINED ADEQUATE ROOT AND TOP GROWTH TO INDICATE FULL RECOVERY FROM TRANSPLANTING INTO THE NURSERY ROW.

**M. MATERIALS LIST**

1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED BY THE CONTRACTOR. QUANTITY ESTIMATES HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. SHOULD A DISCREPANCY OCCUR BETWEEN THE PLANS AND THE PLANT LIST QUANTITY, THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED FOR CLARIFICATION PRIOR TO BIDDING OR INSTALLATION. ALL DIMENSIONS AND/OR SIZES SPECIFIED SHALL BE THE MINIMUM ACCEPTABLE SIZE.

**N. FINE GRADING**

1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. BERMING AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH DEPTH. THIS CONTRACTOR SHALL FINE GRADE BY HAND AND/OR WITH ALL EQUIPMENT NECESSARY INCLUDING A GRADING TRACTOR WITH FRONT-END LOADER FOR TRANSPORTING SOIL WITHIN THE SITE.

3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED FOR POSITIVE DRAINAGE TO SURFACE/SUBSURFACE STORM DRAIN SYSTEMS. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS. REFER TO CIVIL ENGINEER'S PLANS FOR FINAL GRADES.

**O. PLANTING PROCEDURES**

1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN WORK AND SURROUNDING AREAS OF ALL RUBBISH OR OBJECTIONABLE MATTER. ALL MORTAR, CEMENT, AND TOXIC MATERIAL SHALL BE REMOVED FROM THE SURFACE OF ALL PLANT BEDS. THESE MATERIALS SHALL NOT BE MIXED WITH THE SOIL. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS BENEATH THE SOIL WHICH WILL IN ANY WAY ADVERSELY AFFECT THE PLANT GROWTH, HE SHALL IMMEDIATELY CALL IT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. FAILURE TO DO SO BEFORE PLANTING SHALL MAKE THE CORRECTIVE MEASURES THE RESPONSIBILITY OF THE CONTRACTOR.
2. VERIFY LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES AND CABLES, INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS (LINES AND TANKS), WATER, SANITARY SEWER, STORMWATER SYSTEMS, CABLE, AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES. CALL NATIONAL ONE CALL - 811 - TO LOCATE UTILITIES.
3. SUBGRADE EXCAVATION: CONTRACTOR IS RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND LIMEROCK SUB-BASE FROM ALL LANDSCAPE PLANTING AREAS TO A MINIMUM DEPTH OF 36". CONTRACTOR IS RESPONSIBLE TO BACKFILL THESE PLANTING AREAS TO ROUGH FINISHED GRADE WITH CLEAN TOPSOIL FROM AN ON-SITE SOURCE OR AN IMPORTED SOURCE. IF LIMEROCK OR OTHER ADVERSE CONDITIONS OCCUR IN PLANTED AREAS AFTER 36" DEEP EXCAVATION BY THE CONTRACTOR, AND ADEQUATE PERCOLATION CAN NOT BE ACHIEVED, CONTRACTOR SHALL UTILIZE PLANTING DETAIL THAT ADDRESSES POOR DRAINAGE.
4. FURNISH NURSERY'S CERTIFICATE OF COMPLIANCE WITH ALL REQUIREMENTS AS HEREIN SPECIFIED AND REQUIRED. INSPECT AND SELECT PLANT MATERIALS BEFORE PLANTS ARE DUG AT NURSERY OR GROWING SITE.
5. GENERAL COMPLY WITH APPLICABLE FEDERAL, STATE, COUNTY, AND LOCAL REGULATIONS GOVERNING LANDSCAPE MATERIALS AND WORK. CONFORM TO ACCEPTED HORTICULTURAL PRACTICES AS USED IN THE TRADE. UPON ARRIVAL AT THE SITE, PLANTS SHALL BE THOROUGHLY WATERED AND PROPERLY MAINTAINED UNTIL PLANTED. PLANTS STORED ON-SITE SHALL NOT REMAIN UNPLANTED FOR A PERIOD EXCEEDING TWENTY-FOUR (24) HOURS. AT ALL TIMES, METHODS CUSTOMARY IN GOOD HORTICULTURAL PRACTICES SHALL BE EXERCISED.
6. THE WORK SHALL BE COORDINATED WITH OTHER TRADES TO PREVENT CONFLICTS. COORDINATE PLANTING WITH IRRIGATION WORK TO ASSURE AVAILABILITY OF WATER AND PROPER LOCATION OF IRRIGATION APPURTENANCES AND PLANTS.
7. ALL PLANTING PITS SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH THE USA STANDARD FOR NURSERY STOCK 260.1, UNLESS SHOWN OTHERWISE ON THE DRAWINGS, AND BACKFILLED WITH THE PREPARED PLANTING SOIL MIXTURE AS SPECIFIED IN SECTION E. TEST ALL TREE PITS WITH WATER BEFORE PLANTING TO ASSURE PROPER DRAINAGE PERCOLATION IS AVAILABLE. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS DUE TO IMPROPER PERCOLATION. IF POOR PERCOLATION EXISTS, UTILIZE "POOR DRAINAGE CONDITION" PLANTING DETAIL. TREES SHALL BE SET PLUMB AND HELD IN POSITION UNTIL THE PLANTING MIXTURE HAS BEEN FLUSHED INTO PLACE WITH A SLOW, FULL HOSE STREAM. ALL PLANTING SHALL BE PERFORMED BY PERSONNEL FAMILIAR WITH PLANTING PROCEDURES AND UNDER THE SUPERVISION OF A QUALIFIED LANDSCAPE FOREMAN. PROPER "JETTING IN" SHALL BE ASSURED TO ELIMINATE AIR POCKETS AROUND THE ROOTS. "JET STICK" OR EQUAL IS RECOMMENDED.
8. TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS AND BUILDING STRUCTURES WHILE INSTALLING TREES.
9. SOIL MIXTURE SHALL BE AS SPECIFIED IN SECTION E OF THESE SPECIFICATIONS.
10. TREES AND SHRUBS SHALL BE SET STRAIGHT AT AN ELEVATION THAT, AFTER SETTLEMENT, THE PLANT CROWN WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PIT. PLANTING SOIL MIXTURE SHALL BE BACKFILLED, THOROUGHLY TAMPED AROUND THE BALL, AND SETTLED BY WATER (AFTER TAMPOING).
11. AMEND PINE AND OAK PLANT PITS WITH ECTOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. ALL OTHER PLANT PITS SHALL BE AMENDED WITH ENDOMYCORRHIZAL SOIL APPLICATION PER MANUFACTURER'S RECOMMENDATION. PROVIDE PRODUCT INFORMATION SUBMITTAL PRIOR TO INOCULATION.
12. FILL HOLE WITH SOIL MIXTURE, MAKING CERTAIN ALL SOIL IS SATURATED. TO DO THIS, FILL HOLE WITH WATER AND ALLOW TO SOAK MINIMUM TWENTY (20) MINUTES, STIRRING IF NECESSARY TO GET SOIL THOROUGHLY WET. PACK LIGHTLY WITH FEET. ADD MORE WET SOIL MIXTURE. DO NOT COVER TOP OF BALL WITH SOIL MIXTURE, ONLY WITH MULCH. ALL BURLAP, ROPE, WIRES, BASKETS, ETC., SHALL BE REMOVED FROM THE SIDES AND TOPS OF BALLS, BUT NO BURLAP SHALL BE PULLED FROM UNDERNEATH.
13. PRUNING: TREES SHALL BE PRUNED, AT THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE, TO PRESERVE THE NATURAL CHARACTER OF THE PLANT. ALL SOFT WOOD OR SUCKER GROWTH AND ALL BROKEN OR BADLY DAMAGED BRANCHES SHALL BE REMOVED WITH A CLEAN CUT. ALL PRUNING TO BE PERFORMED BY LICENSED ARBORIST, IN ACCORDANCE WITH ANSI A-300.
14. SHRUBS AND GROUND COVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE DRAWINGS AND AS INDICATED ON THE PLANT LIST. CULTIVATE ALL PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS. MIX TOP 4" TO ACHIEVE SOIL MIXTURE AS SPECIFIED IN SECTION E. THOROUGHLY WATER ALL PLANTS AFTER INSTALLATION.
15. TREE GUYING AND BRACING SHALL BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS TO INSURE STABILITY AND MAINTAIN TREES IN AN UPRIGHT POSITION. IF THE CONTRACTOR AND OWNER DECIDE TO WAIVE THE TREE GUYING AND BRACING, THE OWNER SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING AND AGREE TO INDEMNIFY AND HOLD HARMLESS THE LANDSCAPE ARCHITECT IN THE EVENT UNSUPPORTED TREES PLANTED UNDER THIS CONTRACT FALL AND DAMAGE PERSON OR PROPERTY.
16. MULCHING: PROVIDE A THREE INCH (MINIMUM) LAYER OF SPECIFIED MULCH OVER THE ENTIRE AREA OF EACH SHRUB BED, GROUND COVER, VINE BED, AND TREE PIT PLANTED UNDER THIS CONTRACT.

17. HERBICIDE WEED CONTROL: ALL PLANT BEDS SHALL BE KEPT FREE OF NOXIOUS WEEDS UNTIL FINAL ACCEPTANCE OF WORK. IF DIRECTED BY THE OWNER, "ROUND-UP" SHALL BE APPLIED FOR WEED CONTROL BY QUALIFIED PERSONNEL TO ALL PLANTING AREAS IN SPOT APPLICATIONS PER MANUFACTURER'S PRECAUTIONS AND SPECIFICATIONS. PRIOR TO FINAL INSPECTION, TREAT ALL PLANTING BEDS WITH AN APPROVED PRE-EMERGENT HERBICIDE AT AN APPLICATION RATE RECOMMENDED BY THE MANUFACTURER. (AS ALLOWED BY JURISDICTIONAL AUTHORITY)

**P. LAWN SODDING**

1. THE WORK CONSISTS OF LAWN BED PREPARATION, SOIL PREPARATION, AND SODDING COMPLETE, IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND THE APPLICABLE DRAWINGS TO PRODUCE A TURF GRASS LAWN ACCEPTABLE TO THE OWNER.
2. LAWN BED PREPARATION: ALL AREAS THAT ARE TO BE SODDED SHALL BE CLEARED OF ANY ROUGH GRASS, WEEDS, AND DEBRIS, AND THE GROUND BROUGHT TO AN EVEN GRADE. THE ENTIRE SURFACE SHALL BE ROLLED WITH A ROLLER WEIGHING NOT MORE THAN ONE-HUNDRED (100) POUNDS PER FOOT OF WIDTH. DURING THE ROLLING, ALL DEPRESSIONS CAUSED BY SETTLEMENT SHALL BE FILLED WITH ADDITIONAL SOIL, AND THE SURFACE SHALL BE REGRADED AND ROLLED UNTIL PRESENTING A SMOOTH AND EVEN FINISH TO THE REQUIRED GRADE.
3. SOIL PREPARATION: PREPARE LOOSE BED FOUR (4) INCHES DEEP. HAND RAKE UNTIL ALL BUMPS AND DEPRESSIONS ARE REMOVED. WET PREPARED AREA THOROUGHLY.
4. SODDING
  - a. THE CONTRACTOR SHALL SOD ALL AREAS THAT ARE NOT PAVED OR PLANTED AS DESIGNATED ON THE DRAWINGS WITHIN THE CONTRACT LIMITS, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - b. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE, AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND.
  - c. SOD PANELS SHALL BE LAID TIGHTLY TOGETHER SO AS TO MAKE A SOLID SODDED LAWN AREA. SOD SHALL BE LAID UNIFORMLY AGAINST THE EDGES OF ALL CURBS AND OTHER LANDSCAPE ELEMENTS, PAVED AND PLANTED AREAS. ADJACENT TO BUILDINGS, A 24 INCH STONE MULCH STRIP SHALL BE PROVIDED - REFER TO DETAILS. IMMEDIATELY FOLLOWING SOD LAYING, THE LAWN AREAS SHALL BE ROLLED WITH A LAWN ROLLER CUSTOMARILY USED FOR SUCH PURPOSES, AND THEN THOROUGHLY IRRIGATED. IF, IN THE OPINION OF THE OWNER, TOP-DRESSING IS NECESSARY AFTER ROLLING TO FILL THE VOIDS BETWEEN THE SOD PANELS AND TO EVEN OUT INCONSISTENCIES IN THE SOD, CLEAN SAND, AS APPROVED BY THE OWNER'S REPRESENTATIVE, SHALL BE UNIFORMLY SPREAD OVER THE ENTIRE SURFACE OF THE SOD AND THOROUGHLY WATERED IN. FERTILIZE INSTALLED SOD AS ALLOWED BY PROPERTY'S JURISDICTIONAL AUTHORITY.
5. DURING DELIVERY, PRIOR TO, AND DURING THE PLANTING OF THE LAWN AREAS, THE SOD PANELS SHALL AT ALL TIMES BE PROTECTED FROM EXCESSIVE DRYING AND UNNECESSARY EXPOSURE OF THE ROOTS TO THE SUN. ALL SOD SHALL BE STACKED SO AS NOT TO BE DAMAGED BY SWEATING OR EXCESSIVE HEAT AND MOISTURE.
6. LAWN MAINTENANCE:
  - a. WITHIN THE CONTRACT LIMITS, THE CONTRACTOR SHALL PRODUCE A DENSE, WELL ESTABLISHED LAWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RE-SODDING OF ALL ERODED, SUNKEN OR BARE SPOTS (LARGER THAN 12"x12") UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. REPAIRED SODDING SHALL BE ACCOMPLISHED AS IN THE ORIGINAL WORK (INCLUDING REGRAIDING IF NECESSARY).
  - b. CONTRACTOR RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SOD/LAWN UNTIL ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PRIOR TO AND UPON ACCEPTANCE, CONTRACTOR TO PROVIDE WATERING/IRRIGATION SCHEDULE TO OWNER. OBSERVE ALL APPLICABLE WATERING RESTRICTIONS AS SET FORTH BY THE PROPERTY'S JURISDICTIONAL AUTHORITY.

**Q. CLEANUP**

1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM-CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

**R. PLANT MATERIAL MAINTENANCE**

1. ALL PLANTS AND PLANTING INCLUDED UNDER THIS CONTRACT SHALL BE MAINTAINED BY WATERING, CULTIVATING, SPRAYING, AND ALL OTHER OPERATIONS (SUCH AS RE-STAKING OR REPAIRING GUY SUPPORTS) NECESSARY TO INSURE A HEALTHY PLANT CONDITION BY THE CONTRACTOR UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE. MAINTENANCE AFTER THE CERTIFICATION OF ACCEPTABILITY SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS IN THIS SECTION. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE TO COVER LANDSCAPE AND IRRIGATION MAINTENANCE FOR A PERIOD OF 90 CALENDAR DAYS COMMENCING AFTER ACCEPTANCE.

**S. MAINTENANCE (ALTERNATE BID ITEM)**

1. CONTRACTORS ARE REQUESTED TO PROVIDE A BID ESTIMATE FOR MAINTENANCE FOLLOWING THE INITIAL 90-DAY MAINTENANCE PERIOD ON A COST-PER-MONTH BASIS.

**T. FINAL INSPECTION AND ACCEPTANCE OF WORK**

1. FINAL INSPECTION AT THE END OF THE WARRANTY PERIOD SHALL BE ON PLANTING, CONSTRUCTION AND ALL OTHER INCIDENTAL WORK PERTAINING TO THIS CONTRACT. ANY REPLACEMENT AT THIS TIME SHALL BE SUBJECT TO THE SAME ONE (1) YEAR WARRANTY (OR AS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER IN WRITING) BEGINNING WITH THE TIME OF REPLACEMENT AND ENDING WITH THE SAME INSPECTION AND ACCEPTANCE HEREIN DESCRIBED.

**U. WARRANTY**

1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE WARRANTED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER'S REPRESENTATIVE.
2. REPLACEMENT: ANY PLANT NOT FOUND IN A HEALTHY GROWING CONDITION AT THE END OF THE WARRANTY PERIOD SHALL BE REMOVED FROM THE SITE AND REPLACED AS SOON AS WEATHER CONDITIONS PERMIT. ALL REPLACEMENTS SHALL BE PLANTS OF THE SAME KIND AND SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED PLANTED AND MULCHED AS SPECIFIED UNDER "PLANTING". AT NO ADDITIONAL COST TO THE OWNER.
3. IN THE EVENT THE OWNER DOES NOT CONTRACT WITH THE CONTRACTOR FOR LANDSCAPE (AND IRRIGATION) MAINTENANCE, THE CONTRACTOR IS ENCOURAGED TO VISIT THE PROJECT SITE PERIODICALLY DURING THE ONE YEAR WARRANTY PERIOD TO EVALUATE MAINTENANCE PROCEDURES BEING PERFORMED BY THE OWNER, AND SHALL NOTIFY THE OWNER IN WRITING OF MAINTENANCE PROCEDURES OR CONDITIONS WHICH THREATEN VIGOROUS AND HEALTHY PLANT GROWTH. IT IS SUGGESTED SUCH SITE VISITS SHALL BE CONDUCTED A MINIMUM OF ONCE PER MONTH FOR A PERIOD OF TWELVE (12) MONTHS FROM THE DATE OF ACCEPTANCE.



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tel: 972-769-3100 Fax: 972-769-3101

Store:

Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:



6767 Perkins Road, Suite 200  
Baton Rouge, Louisiana 70808  
Telephone: 225 769-0546  
www.csrinc.com

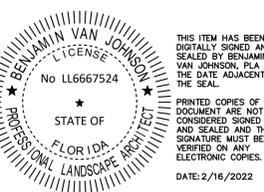
Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF



355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 0000696



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BENJAMIN VAN JOHNSON, P.E. ON THE DATE ADJACENT TO THE SEAL.  
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.  
DATE: 2/16/2022

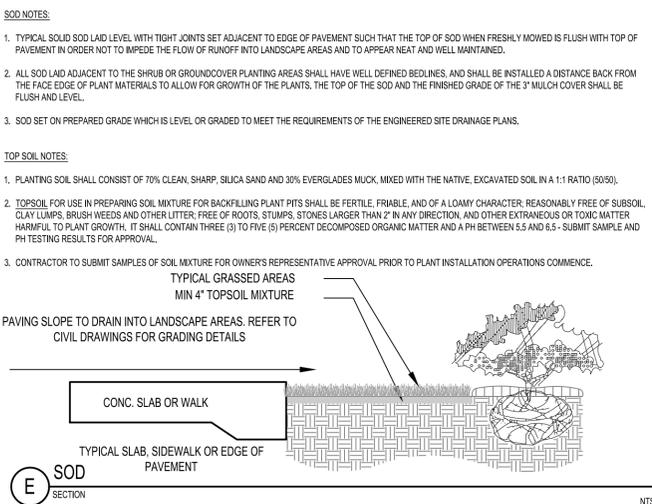
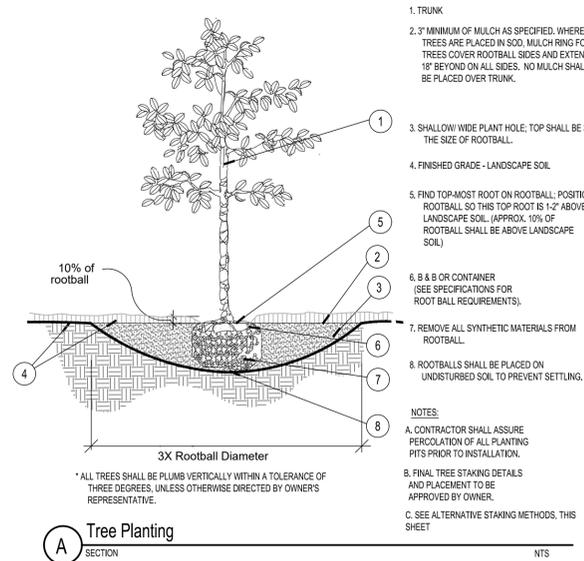
Sheet Versions:

#	Date	Description

Sheet Title:

**LANDSCAPE NOTES**

Sheet Number:



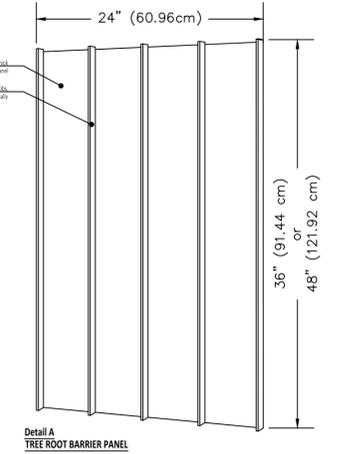
**UB 36-2/UB 48-2 Specifications**  
**36" and 48" DeepRoot® Tree Root Barrier**

Specified tree root barrier is a mechanical barrier and root deflector used to prevent tree roots from damaging hardscapes and landscapes. Assembled in 24" (609 mm) long modules to create varying lengths for linear applications, or perimeter surround applications at minimum 8" (243cm) diameter.

**A. Materials**

- The contractor shall furnish and install tree root barrier as specified. The root barrier shall be either product #UB 36-2 or UB 48-2 as manufactured by DeepRoot® Green Infrastructure, LLC, 530 Washington Street, San Francisco, CA, www.deeproot.com (800.458.7668).
- Root barrier shall be recyclable, black, extruded panels with 0.80" (2.03 mm) wall thickness in modules 24" (609 mm) long and either 36" (910 mm) or 48" (1220 mm) deep.
- Root barrier shall be manufactured with 100% reprocessed homopolymer polyethylene with added ultraviolet inhibitors.
- Root barrier shall be comprised of 24" (609 mm) modules. Each panel shall have no less than four (4) Molded Integral Vertical Root Directing Ribs of a minimum 0.080" (2.03 mm) thickness, protruding 1/2" (12.7 mm) at 90° from interior of the barrier panel, spaced 6" (152.4 mm) apart. (See Detail A)
- Root barrier shall have an integrated Joining System for assembly by sliding one panel into another.

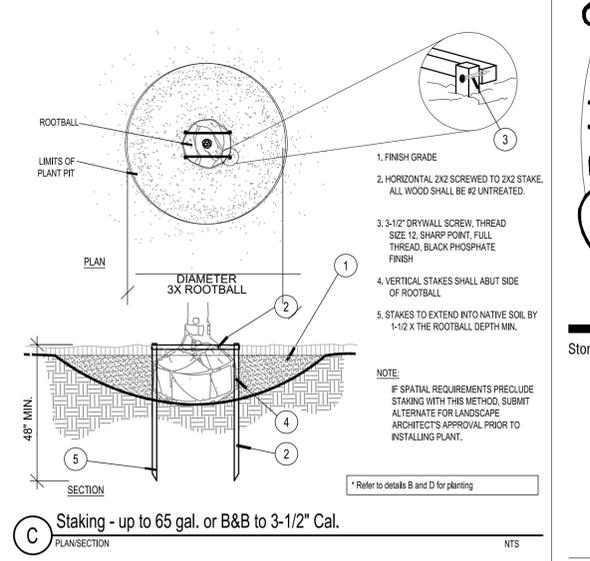
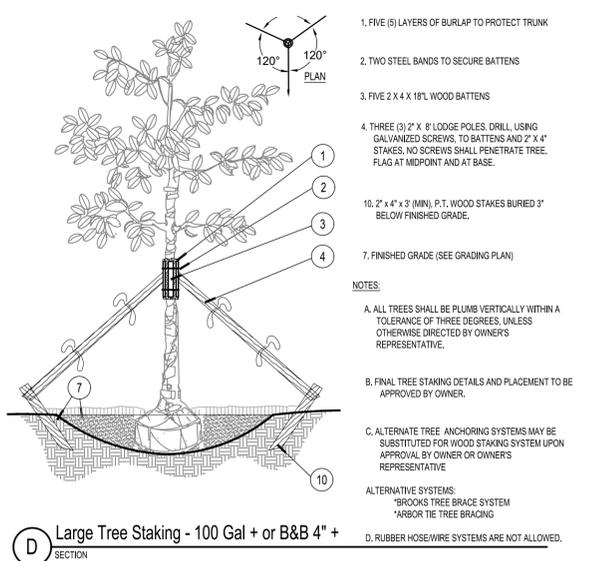
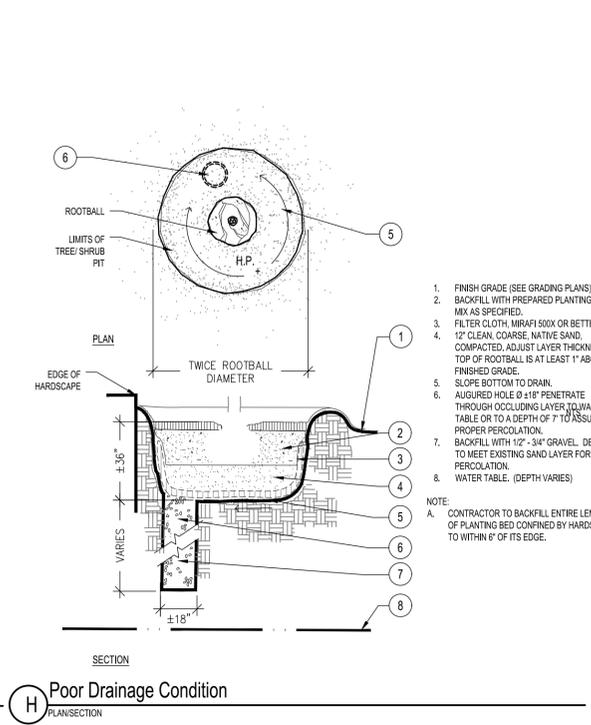
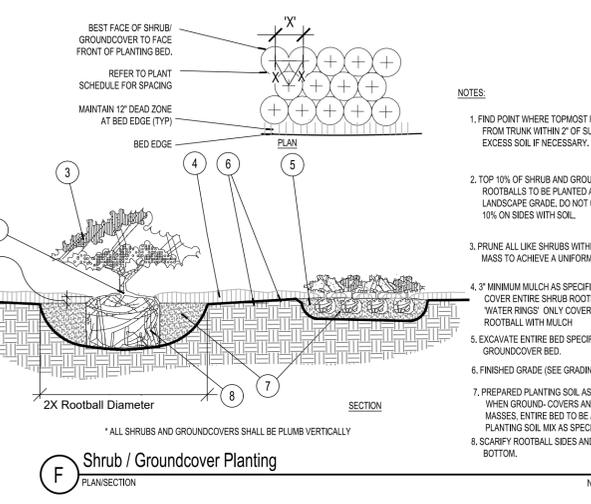
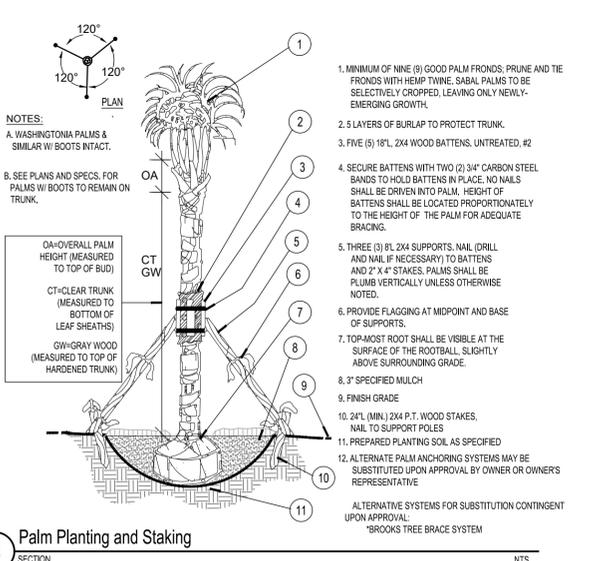
Material and Thickness	Homopolymer Polyethylene 0.080 inch Extruded	
Properties	Typical Value	ASTM Test Method
Tensile stress @ yield	3800 PSI	D638
Elongation @ break %	10%	D638
Tensile Modulus	155,000 PSI	D638
Notched Izod Impact	0.4 - 4.0	D256A
Flexural Modulus 73 ± PSI	145,000	D790
Hardness Shore	P66	D2240



**Root Barrier**

**G**

MANUFACTURER'S DETAIL NTS



Restaurant Support Office  
 6800 Bishop Road, Plano, TX 75024  
 Telephone: 972-769-3100 Fax: 972-769-3101

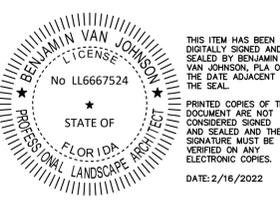
Store:  
 Raising Cane's  
 Restaurant #0855  
 8070 NW 36th Street  
 Doral, FL 33166  
 CUSTOM [A]

Designer's Information:  
**CSRS**  
 6767 Perkins Road, Suite 200  
 Baton Rouge, Louisiana 70808  
 Telephone: 225 769-0546  
 www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
 Project Issue Date: 10-30-2021  
 CSRS Project Manager: MRF

**ENTITLEMENTS**  
 11-19-2021

355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
 PHONE: 305-673-2025  
 WWW.KIMLEY-HORN.COM CA 0000696



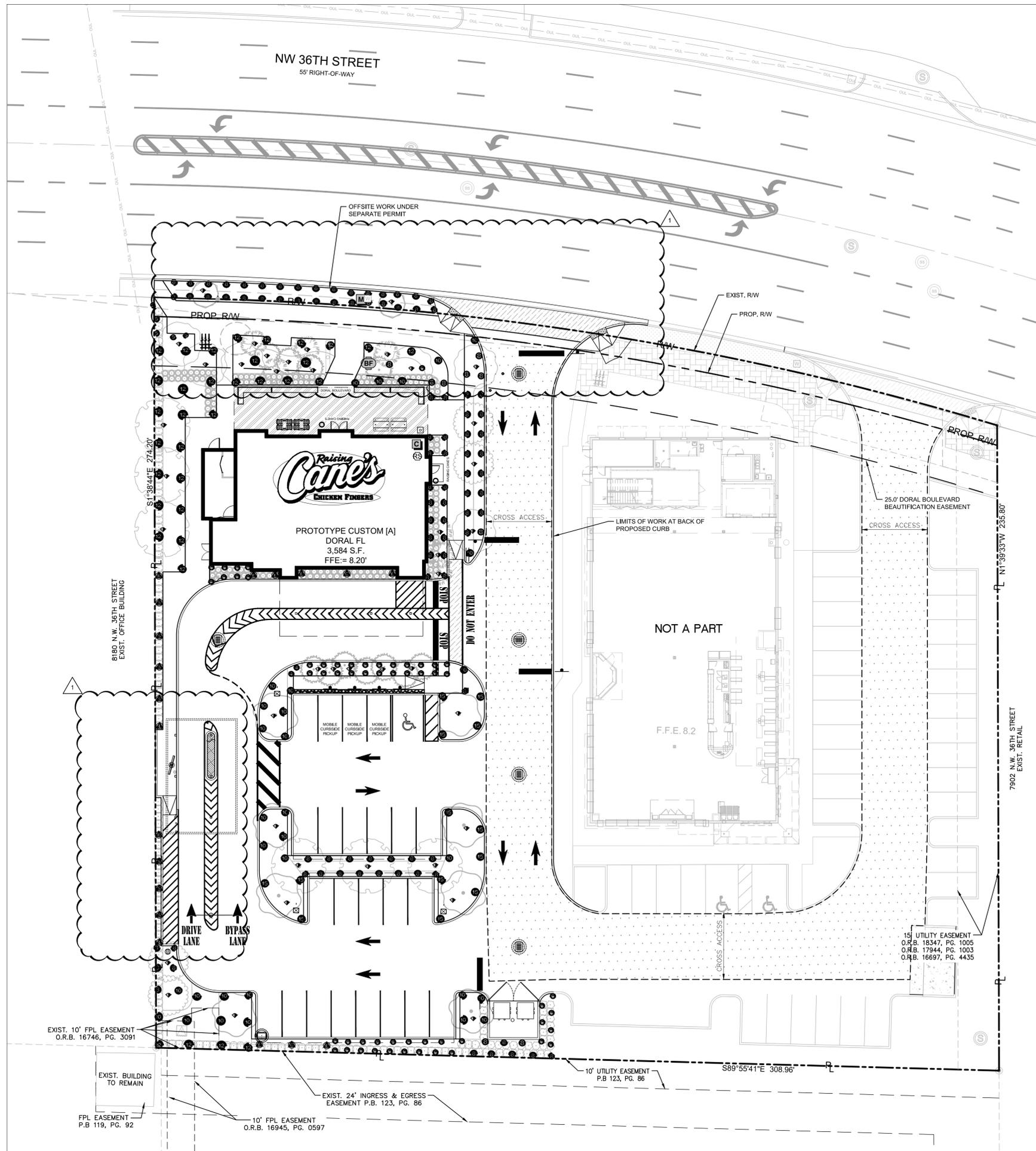
Sheet Versions:

#	Date	Description

Sheet Title:

**LANDSCAPE DETAILS**

Sheet Number:  
**L-351**

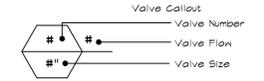


SCALE: 1" = 20' @ 22X34

### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
	RAIN BIRD 1812-PRS 15 STRIP SERIES SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	19	30
	RAIN BIRD 1812-PRS 8 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	88	30
	RAIN BIRD 1812-PRS 10 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	17	30
	RAIN BIRD 1812-PRS 12 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	27	30
	RAIN BIRD 1812-PRS 15 SERIES MPR SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	3	30
	RAIN BIRD 1812-PRS ADJ SHRUB SPRAY 12" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. WITH PRESSURE REGULATING DEVICE.	98	30
	RAIN BIRD 1804-PRS-1400 FLOOD 1401 FLOOD BUBBLER 4.0" POPUP WITH PRESSURE REGULATING DEVICE.	39	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	RAIN BIRD PEB 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION.	1
	BACKFLOW DEVICE 1" REFER TO CIVIL PLANS	1
	RAIN BIRD ESP12LXMEF 12 STATION COMMERCIAL CONTROLLER. PLASTIC WALL MOUNT. FLOW SENSING	1
	RAIN BIRD WR2-RC (2) WIRELESS RAIN SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN SENSOR TRANSMITTER.	1
	WATER METER 1" 1" PROPOSED IRRIGATION METER	1
	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	AS REQUIRED
	IRRIGATION MAINLINE: PVC SCHEDULE 40	AS REQUIRED
	PIPE SLEEVE: PVC SCHEDULE 40	AS REQUIRED



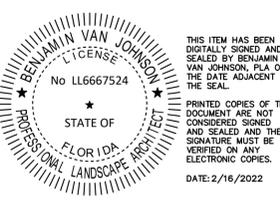
Store:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
6767 Perkins Road, Suite 200  
Baton Rouge, Louisiana 70808  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-1.0 (05-07-2021)  
Project Issue Date: 10-30-2021  
CSRS Project Manager: MRF

**ENTITLEMENTS**  
11-19-2021

**Kimley»Horn**  
355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

#	Date	Description
1	02/16/2022	ENTITLEMENTS RESUBMITTAL

Sheet Title:

**IRRIGATION PLAN**  
Sheet Number: L-400

GENERAL IRRIGATION SPECIFICATIONS AND NOTES

UNDERGROUND IRRIGATION SYSTEM

PART I: GENERAL

1.01 SCOPE

- A. THE WORK COVERED BY THIS SPECIFICATION SHALL INCLUDE THE FURNISHING OF ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY TO PERFORM AND COMPLETE THE INSTALLATION OF AN AUTOMATIC IRRIGATION SYSTEM AS SPECIFIED HEREIN AND AS SHOWN ON THE DRAWINGS AND ANY INCIDENTAL WORK NOT SHOWN OR SPECIFIED WHICH CAN REASONABLY BE DETERMINED TO BE PART OF THE WORK AND NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM.
B. THE WORK COVERED BY THIS SPECIFICATION ALSO INCLUDES ALL PERMITS, FEDERAL, STATE AND LOCAL TAXES AND ALL OTHER COSTS, BOTH FORESEEABLE AND UNFORESEEABLE AT THE TIME OF CONSTRUCTION.
C. NO DEVIATION FROM THESE SPECIFICATIONS, THE ACCOMPANYING DRAWINGS, OR AGREEMENT IS AUTHORIZED OR SHALL BE MADE WITHOUT PRIOR WRITTEN AUTHORIZATION SIGNED BY THE OWNER OR HIS DULY APPOINTED REPRESENTATIVE.

1.02 QUALITY ASSURANCE

- A. INSTALLER QUALIFICATIONS: A FIRM SPECIALIZING IN IRRIGATION WORK WITH NOT LESS THAN FIVE (5) YEARS OF EXPERIENCE IN INSTALLING IRRIGATION SYSTEMS SIMILAR TO THOSE REQUIRED FOR THIS PROJECT.
B. COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENABLE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.
C. INSPECTION OF SITE: THE CONTRACTOR SHALL ACQUAINT HIMSELF WITH ALL SITE CONDITIONS, INCLUDING UNDERGROUND UTILITIES BEFORE CONSTRUCTION IS TO BEGIN. CONTRACTOR SHALL COORDINATE PLACEMENT OF UNDERGROUND MATERIALS WITH CONTRACTORS PREVIOUSLY WORKING UNDERGROUND IN THE VICINITY OR THOSE SCHEDULED TO DO UNDERGROUND WORK IN THE VICINITY. CONTRACTOR IS RESPONSIBLE FOR MINOR ADJUSTMENTS IN THE LAYOUT OF THE WORK TO ACCOMMODATE EXISTING FACILITIES.
D. PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS: THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS TO REMAIN. SHOULD DAMAGES BE INCURRED, THIS CONTRACTOR SHALL REPAIR THE DAMAGE TO ITS ORIGINAL CONDITION AT HIS OWN EXPENSE. ANY DISRUPTION, DESTRUCTION, OR DISTURBANCE OF ANY EXISTING PLANT, TREE, SHRUB, OR TURF, OR ANY STRUCTURE SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES, SOLELY AT THE CONTRACTOR'S EXPENSE.
E. PROTECTION OF WORK AND PROPERTY: THE CONTRACTOR SHALL BE LIABLE FOR AND SHALL TAKE THE FOLLOWING ACTIONS AS REQUIRED WITH REGARD TO DAMAGE TO ANY OF THE OWNER'S PROPERTY.

- 1. ANY EXISTING BUILDING, EQUIPMENT, PIPING, PIPE COVERINGS, ELECTRICAL SYSTEMS, SEWERS, SIDEWALKS, ROADS, GROUNDS, LANDSCAPING OR STRUCTURE OF ANY KIND (INCLUDING WITHOUT LIMITATION, DAMAGE FROM LEAKS IN THE PIPING SYSTEM BEING INSTALLED OR HAVING BEEN INSTALLED BY CONTRACTOR) DAMAGED BY THE CONTRACTOR, OR BY HIS AGENTS, EMPLOYEES, OR SUBCONTRACTORS, DURING THE COURSE OF HIS WORK, WHETHER THROUGH NEGLIGENCE OR OTHERWISE, SHALL BE REPLACED OR REPAIRED BY CONTRACTOR AT HIS OWN EXPENSE IN A MANNER SATISFACTORY TO OWNER, WHICH REPAIR OR REPLACEMENT SHALL BE A CONDITION PRECEDENT TO OWNER'S OBLIGATION TO MAKE FINAL PAYMENT UNDER THE CONTRACT.
2. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR DAMAGE TO ANY WORK COVERED BY THESE SPECIFICATIONS BEFORE FINAL ACCEPTANCE OF THE WORK. HE SHALL SECURELY COVER ALL OPENINGS INTO THE SYSTEMS AND COVER ALL APPARATUS, EQUIPMENT AND APPLIANCES, BOTH BEFORE AND AFTER BEING SET IN PLACE TO PREVENT OBSTRUCTIONS ON THE PIPES AND THE BREAKAGE, MISUSE OR DISFIGUREMENT OF THE APPARATUS, EQUIPMENT OR APPLIANCE.
3. ALL TRENCHING OR OTHER WORK UNDER THE LEAF CANOPY OF ANY AND ALL TREES SHALL BE DONE BY HAND OR BY OTHER METHODS SO THAT NO BRANCHES ARE DAMAGED IN ANY WAY. BUILDINGS, WALKS, WALLS, AND OTHER PROPERTY SHALL BE PROTECTED FROM DAMAGE. OPEN DITCHES LEFT EXPOSED SHALL BE FLAGGED AND BARRICADED BY THE CONTRACTOR BY APPROVED MEANS. THE CONTRACTOR SHALL RESTORE DISTURBED AREAS TO THEIR ORIGINAL CONDITION.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING THE PROPER UTILITY COMPANY TO STAKE THE EXACT LOCATION OF ANY UNDERGROUND LINES INCLUDING BUT NOT LIMITED TO ELECTRIC, GAS, TELEPHONE SERVICE, WATER, AND CABLE. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS ARE NECESSARY TO PROTECT THESE UNDERGROUND LINES FROM DAMAGE. IN THE EVENT DAMAGE DOES OCCUR, ALL DAMAGE SHALL BE COMPLETELY REPAIRED TO ITS ORIGINAL CONDITION, AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL REQUEST THE OWNER, IN WRITING, TO LOCATE ANY PRIVATE UTILITIES (I.E., ELECTRICAL SERVICE TO OUTSIDE LIGHTING) BEFORE PROCEEDING WITH ANY EXCAVATION. IF, AFTER SUCH REQUESTS AND NECESSARY STAKING, PRIVATE UTILITIES WHICH WERE NOT STAKED ARE ENCOUNTERED AND DAMAGED BY THE CONTRACTOR, THEY SHALL BE REPAIRED BY THE OWNER AT NO COST TO THE CONTRACTOR. IF THE CONTRACTOR DAMAGES STAKED OR LOCATED UTILITIES, THEY SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

- F. CODES AND INSPECTIONS: THE ENTIRE INSTALLATION SHALL COMPLY FULLY WITH ALL LOCAL AND STATE LAWS AND ORDINANCES AND WITH ALL ESTABLISHED CODES ARRANGE FOR ALL NECESSARY INSPECTIONS AND SHALL PAY ALL FEES AND EXPENSES IN CONNECTION WITH SAME, AS PART OF THE WORK UNDER THIS CONTRACT. UPON COMPLETION OF THE WORK, HE SHALL FURNISH TO THE "OWNER" ALL INSPECTION CERTIFICATES CUSTOMARILY ISSUED IN CONNECTION WITH THE CLASS OF WORK INVOLVED.
G. THE CONTRACTOR SHALL KEEP ON HIS WORK, DURING ITS PROGRESS, A COMPETENT SUPERINTENDENT AND ANY NECESSARY ASSISTANTS, ALL SATISFACTORY TO THE OWNER, OR OWNER'S REPRESENTATIVE.
H. THE SUPERINTENDENT SHALL REPRESENT THE CONTRACTOR IN HIS ABSENCE AND ALL DIRECTIONS GIVEN TO HIM SHALL BE AS BINDING AS IF GIVEN TO THE CONTRACTOR.

- I. THE OWNER'S LANDSCAPE ARCHITECT OR DESIGNATED INDIVIDUAL SHALL HAVE FULL AUTHORITY TO APPROVE OR REJECT WORK PERFORMED BY THE CONTRACTOR. THE OWNER'S AUTHORIZED REPRESENTATIVE SHALL ALSO HAVE FULL AUTHORITY TO MAKE FIELD CHANGES THAT ARE DEEMED NECESSARY.
J. FINAL ACCEPTANCE: FINAL ACCEPTANCE OF THE WORK MAY BE OBTAINED FROM THE OWNER UPON THE SATISFACTORY COMPLETION OF ALL WORK. ACCEPTANCE BY THE LANDSCAPE ARCHITECT AND/OR OWNER IN NO WAY REMOVES THE CONTRACTOR OF HIS RESPONSIBILITY TO MAKE FURTHER REPAIRS, CORRECTIONS AND ADJUSTMENTS TO ELIMINATE ANY DEFICIENCIES WHICH MAY LATER BE DISCOVERED.
K. GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE OWNER. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.

- 1. THE GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR WORKMANSHIP, TO THE SATISFACTION OF THE OWNER. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR WORK DAMAGED BY OTHERS. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY. THE GUARANTEE SHALL STATE THE NAME OF THE OWNER, PROVIDE FULL GUARANTEE TERMS, EFFECTIVE AND TERMINATION DATE, NAME AND LICENSE NUMBER OF CONTRACTOR PROVIDING GUARANTEE, ADDRESS, AND TELEPHONE NUMBER. IT SHALL BE SIGNED BY THE CHIEF EXECUTIVE OF THE CONTRACTOR OF HIS LIABILITY UNDER THE GUARANTEE. SUCH WARRANTIES SHALL ONLY SUPPLEMENT THE GUARANTEE.
2. IF, WITHIN TEN (10) DAYS AFTER MAILING OF WRITTEN NOTICE BY THE OWNER TO THE CONTRACTOR REQUESTING REPAIRS OR REPLACEMENT RESULTING FROM A BREACH OF WARRANTY, THE CONTRACTOR SHALL NEGLECT TO MAKE OR UNDERTAKE WITH DUE DILIGENCE TO MAKE THE SAME, THE OWNER MAY MAKE SUCH REPAIRS AT THE CONTRACTOR'S EXPENSE; PROVIDED, HOWEVER, THAT IN THE CASE OF EMERGENCY WHERE, IN THE JUDGMENT OF THE OWNER, DELAY WOULD CAUSE SERIOUS LOSS OR DAMAGE, REPAIRS OR REPLACEMENT MAY BE MADE WITHOUT NOTICE BEING SENT TO THE CONTRACTOR, AND CONTRACTOR SHALL PAY THE COST THEREOF.

- L. THE CONTRACTOR SHALL PROVIDE FULL, 100% IRRIGATION COVERAGE IN ALL AREAS DESIGNED WITH PROPOSED PLANTINGS, IN ACCORDANCE WITH THE SITE'S GOVERNING PERMITTING REQUIREMENTS AND AS DESIGNED.
M. ON-SITE OBSERVATION: AT ANY TIME DURING THE INSTALLATION OF THE IRRIGATION SYSTEM BY THE CONTRACTOR, THE OWNER OR LANDSCAPE ARCHITECT MAY VISIT THE SITE TO OBSERVE WORK UNDERWAY. UPON REQUEST, THE CONTRACTOR SHALL BE REQUIRED TO UNCOVER SPECIFIED WORK AS DIRECTED BY THE OWNER OR MATERIAL, WORKMANSHIP OR METHOD OF INSTALLATION NOT MEET THE STANDARDS SPECIFIED HEREIN, THE CONTRACTOR SHALL REPLACE THE WORK AT HIS OWN EXPENSE.

- N. WORKMANSHIP: ALL WORK SHALL BE INSTALLED BY QUALIFIED, SKILLED PERSONNEL, PROFICIENT IN THE TRADES REQUIRED, IN A NEAT, ORDERLY, AND RESPONSIBLE MANNER WITH RECOGNIZED STANDARDS OF WORKMANSHIP. THE CONTRACTOR SHALL HAVE HAD CONSIDERABLE EXPERIENCE AND DEMONSTRATED ABILITY IN THE INSTALLATION OF SPRINKLER IRRIGATION SYSTEMS OF THIS TYPE.

1.03 SUBMITTALS

- ALL MATERIALS SHALL BE THOSE SPECIFIED AND/OR APPROVED BY THE LANDSCAPE ARCHITECT.
A. PRODUCT DATA: AFTER THE AWARD OF THE CONTRACT AND PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER AND LANDSCAPE ARCHITECT, TWO COPIES OF THE COMPLETE LIST OF MATERIALS, MANUFACTURER'S TECHNICAL DATA, AND INSTALLATION INSTRUCTIONS WHICH HE PROPOSES TO INSTALL.
B. COMMENCE NO WORK BEFORE APPROVAL OF MATERIAL LIST AND DESCRIPTIVE MATERIAL BY THE LANDSCAPE ARCHITECT.
C. RECORD DRAWINGS: THE CONTRACTOR SHALL RECORD ON REPRODUCIBLES, ALL CHANGES THAT MAY BE MADE DURING ACTUAL INSTALLATION OF THE SYSTEM. PROVIDE CONTROLLER SEQUENCING AND CONTROL VALVE LOCATIONS.
1. IMMEDIATELY UPON INSTALLATION OF ANY PIPING, VALVES, WIRING, SPRINKLERS, ETC., IN LOCATIONS OTHER THAN SHOWN ON THE ORIGINAL DRAWINGS OR OF SIZES OTHER THAN INDICATED, THE CONTRACTOR SHALL CLEARLY INDICATE SUCH CHANGES ON A SET OF BLUELINE PRINTS. RECORDS SHALL BE MADE ON A DAILY BASIS. ALL RECORDS SHALL BE NEAT AND SUBJECT TO THE APPROVAL OF THE OWNER.
2. THE CONTRACTOR SHALL ALSO INDICATE ON THE RECORD PRINTS THE LOCATION OF ALL WIRE SPLICES, ORIGINAL OR DUE TO REPAIR, THAT ARE INSTALLED UNDERGROUND IN A LOCATION OTHER THAN THE CONTROLLER PEDESTAL, REMOTE CONTROL VALVE BOX, POWER SOURCE OR CONNECTION TO A VALVE-IN-HEAD SPRINKLER.
3. THESE DRAWINGS SHALL ALSO SERVE AS WORK PROGRESS SHEETS. THE CONTRACTOR SHALL MAKE NEAT AND LEGIBLE NOTATIONS THEREON DAILY AS THE WORK PROCEEDS, SHOWING THE WORK AS ACTUALLY INSTALLED. THESE DRAWINGS SHALL BE AVAILABLE AT ALL TIMES FOR REVIEW AND SHALL BE KEPT IN A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE.
4. PROGRESS PAYMENT REQUEST AND RECORD DRAWING INFORMATION MUST BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PAYMENT IS MADE.
5. IF IN THE OPINION OF THE OWNER OR HIS REPRESENTATIVE, THE RECORD DRAWING INFORMATION IS NOT BEING PROPERLY OR PROMPTLY RECORDED, CONSTRUCTION PAYMENT MAY BE STOPPED UNTIL THE PROPER INFORMATION HAS BEEN RECORDED AND SUBMITTED.
6. BEFORE THE DATE OF THE FINAL SITE OBSERVATION AND APPROVAL, THE CONTRACTOR SHALL DELIVER ONE SET (COPIES) OF REPRODUCIBLE RECORD DRAWING PLANS AND NOTES TO THE LANDSCAPE ARCHITECT. RECORD DRAWING INFORMATION SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO SUBMITTAL TO OWNER FOR FINAL PAYMENTS, INCLUDING RETENTIONS.

- D. OPERATIONS AND MAINTENANCE MANUALS: THE CONTRACTOR SHALL PREPARE AND DELIVER TO THE OWNER, OR HIS DESIGNATED REPRESENTATIVE WITHIN TEN (10) CALENDAR DAYS PRIOR TO COMPLETION OF CONSTRUCTION, A HARD COVER BINDER WITH THREE RINGS CONTAINING THE FOLLOWING INFORMATION:
1. INDEX SHEET STATING THE CONTRACTOR'S ADDRESS AND BUSINESS TELEPHONE NUMBER, LIST OF EQUIPMENT WITH NAME(S) AND ADDRESS(ES) OF LOCAL MANUFACTURER'S REPRESENTATIVE(S).
2. CATALOG AND PARTS SHEETS ON EVERY MATERIAL AND EQUIPMENT INSTALLED UNDER THIS CONTRACT.
3. COMPLETE OPERATING AND MAINTENANCE INSTRUCTION ON ALL MAJOR EQUIPMENT. INCLUDE INITIAL CONTROLLER SCHEDULE AND RECOMMENDED SCHEDULE AFTER ESTABLISHMENT PERIOD.
4. DEMONSTRATE TO AND PROVIDE THE OWNER'S MAINTENANCE PERSONNEL WITH INSTRUCTIONS FOR MAJOR EQUIPMENT AND SHOW EVIDENCE IN WRITING TO THE OWNER, OR HIS DESIGNATED REPRESENTATIVE AT THE CONCLUSION OF THE PROJECT THAT THIS SERVICE HAS BEEN RENDERED.

1.04 EXPLANATION OF DRAWINGS

- A. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS AND SLEEVES WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE WORK AND PLAN HIS WORK ACCORDINGLY, FURNISHING SUCH OFFSETS, FITTINGS AND SLEEVES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS.
B. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. THE WORK SHALL BE INSTALLED IN SUCH A MANNER AS TO AVOID CONFLICTS BETWEEN IRRIGATION SYSTEMS, PLANTING AND ARCHITECTURAL FEATURES. DEVIATIONS SHALL BE BROUGHT TO THE LANDSCAPE ARCHITECTS ATTENTION.
C. ALL WORK CALLED FOR A ON THE DRAWINGS BY NOTES OR DETAILS SHALL BE FURNISHED AND INSTALLED WHETHER OR NOT SPECIFICALLY MENTIONED IN THE SPECIFICATIONS.
D. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES OR DISCREPANCIES IN AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN KNOWN IN ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. IN THE EVENT THAT NOTIFICATION IS NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISION NECESSARY.
E. IF, IN THE OPINION OF THE LANDSCAPE ARCHITECT, THE LABOR FURNISHED BY THE CONTRACTOR IS INCOMPLETE, UNSKILLED, OR UNRELIABLE, HIS EQUIPMENT INADEQUATE, IMPROPER OR UNSAFE, OR IF THE CONTRACTOR SHALL FAIL TO CONTINUOUSLY AND DILIGENTLY EXECUTE THE CONSTRUCTION, THE LANDSCAPE ARCHITECT OR OWNER SHALL, IN WRITING, INSTRUCT THE CONTRACTOR TO REMOVE ALL SUCH CAUSES OF NONCOMPLIANCE AND THE CONTRACTOR SHALL PROMPTLY COMPLY.
F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL AND COMPLETE COVERAGE OF ALL IRRIGATION AREAS. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED OF ANY NECESSARY ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER. ANY REVISIONS TO THE IRRIGATION SYSTEM MUST BE SUBMITTED AND ANSWERED IN WRITTEN FORM, ALONG WITH ANY CHANGE IN CONTRACT PRICE. LAYOUT MAY BE MODIFIED, IF NECESSARY TO OBTAIN COVERAGE. SPACING NOT TO EXCEED 60% OF THE DIAMETER.

PART II: PRODUCTS

2.01 MATERIALS

- A. MATERIAL AND EQUIPMENT SHALL BE SUPPLIED BY THE CONTRACTOR. NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER/LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL INSPECT ALL MATERIALS AND EQUIPMENT PRIOR TO INSTALLATION, AND DEFECTIVE MATERIALS SHALL BE REPLACED WITH THE PROPER MATERIALS AND EQUIPMENT. THOSE ITEMS USED IN THE INSTALLATION FOUND TO BE DEFECTIVE, IMPROPERLY INSTALLED OR NOT AS SPECIFIED, SHALL BE REMOVED AND THE PROPER MATERIALS AND EQUIPMENT INSTALLED IN THE PROPER MANNER, AS INTERPRETED BY THE OWNER/LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL REMOVE ALL DAMAGED AND DEFECTIVE PIPE AND EQUIPMENT FROM THE SITE.

2.02 PIPING

- A. GENERAL PROVISIONS: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT.
B. POLYVINYL CHLORIDE PIPE (PVC): (WHERE INDICATED ON PLAN, USE NON-POTABLE PURPLE PIPING.)
1. LATERALS: PVC SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 2241, CLASS 1120 OR 1220. ALL LATERAL PIPING LESS THAN 3" IN DIAMETER SHALL BE CLASS 200 SDR-21.
2. MAIN LINE UNDER PRESSURE: PVC SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 2241, CLASS 1120 OR 1220, SCHEDULE 40 WITH BELLED END FOR SOLVENT WELD CONNECTION.
3. PIPE MARKINGS: ALL PVC PIPE SHALL BEAR THE FOLLOWING MARKINGS:
a. MANUFACTURER'S NAME
b. NOMINAL PIPE SIZE
c. SCHEDULE OR CLASS
d. PRESSURE RATING OF PSI
e. NSF (NATIONAL SANITATION FOUNDATION) APPROVAL
f. DATE OF EXTRUSION

2.03 PVC JOINTS

- A. JOINTS IN PVC PIPE SMALLER THAN 3" SHALL BE SOLVENT WELDED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER; THE SOLVENT CLEANER AND WELDING COMPOUND FURNISHED WITH THE PIPE.

2.04 THREADED CONNECTIONS

- A. THREADED PVC CONNECTIONS SHALL BE MADE UP USING TEFLON TAPE ONLY.
B. CONNECTION BETWEEN MAINLINE PIPE FITTINGS AND AUTOMATIC OR MANUAL CONTROL VALVES SHALL BE MADE USING SCHEDULE 80 THREADED FITTINGS AND NIPPLES.

2.05 SOLVENT CEMENT

- A. GENERAL: PROVIDE SOLVENT CEMENT AND PRIMER FOR PVC SOLVENT WELD PIPE AND FITTINGS RECOMMENDED BY THE MANUFACTURER. PIPE JOINTS FOR SOLVENT WELD PIPE TO BE BELLED END. PIPE JOINTS FOR GASKETED PIPE TO BE INTRICAL RING TYPE. INSERT GASKETS WILL NOT BE ACCEPTED.
B. THRUST BLOCKS: MAIN LINE PIPING 3" OR GREATER IN DIAMETER SHALL HAVE THRUST BLOCKS SIZED AND PLACED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS OR, IN THE ABSENCE OF SPECIFIED RECOMMENDATIONS BY THE PIPE MANUFACTURER. 3000 PSI CONCRETE THRUSTS SHALL BE PROPERLY INSTALLED AT TEES, ELBOWS, 45'S, CROSSES, REDUCERS, PLUGS, CAPS AND VALVES.

2.06 PIPE AND WIRE SLEEVES

- A. SLEEVES TO BE INSTALLED:
1. THE CONTRACTOR SHALL INSTALL IRRIGATION SYSTEM PIPE AND WIRE SLEEVES CONFORMING TO THE FOLLOWING:
a. ALL PIPE SLEEVES SHALL EXTEND A MINIMUM OF 36" BEYOND THE EDGES OF PAVEMENT.
b. ALL PIPE SLEEVES TO BE INSTALLED BENEATH FUTURE/EXISTING ROAD SURFACES SHALL BE PVC PIPE SCHEDULE 40 OR JACK AND BORE STEEL PIPE AS PER FOOT SPECIFICATIONS, AND AS SHOWN ON PLANS.
c. ALL IRRIGATION SYSTEM WIRES SHALL BE SLEEVED SEPARATELY FROM MAIN OR LATERAL LINES.
d. ALL PIPE SLEEVES SHALL BE INSTALLED AT THE MINIMUM DEPTH SPECIFIED FOR MAIN LINES, LATERAL LINES, AND ELECTRIC WIRE.
e. CONTRACTOR SHALL COORDINATE ALL PIPE SLEEVE LOCATIONS AND DEPTHS PRIOR TO INITIATING INSTALLATION OF THE IRRIGATION SYSTEM.
2.09 AUTOMATIC CONTROL VALVE
A. THE AUTOMATIC REMOTE CONTROL VALVES SHALL BE AS SPECIFIED ON THE PLANS, OR APPROVED EQUAL.
2.10 GATE VALVES
A. GATE VALVES FOR 3/4" THROUGH 2-1/2" SHALL BE OF BRASS OR BRONZE CONSTRUCTION, SOLID WEDGE, IPS THREADS, NON-RISING STEM WITH WHEEL OPERATING HANDLE, FOR A CONTINUOUS WORKING PRESSURE OF 150 PSI.
B. GATE VALVES FOR 3" AND LARGER: IRON BODY, BRASS OR BRONZE MOUNTED A/W/A GATE VALVES, WITH A CLEAR WATERWAY EQUAL TO THE FULL NOMINAL DIAMETER OF THE VALVE, RUBBER GASKET FOR A CONTINUOUS WORKING PRESSURE OF 150P PSI. VALVE SHALL BE EQUIPPED WITH A SQUARE OPERATING NUT.
2.11 VALVE BOXES
A. FOR GATE VALVES, USE AMETEK #10-181-014 BOX WITH #10-181-015 LOCKING LID, OR AS PER THE DRAWINGS.
B. FOR CONTROL VALVES 3/4" THROUGH 2", THE DRIP VALVE ASSEMBLIES, USE AMETEK #10-181-014 BOX WITH #10-181-015 LOCKING LID, OR SIZED AS NECESSARY TO EFFECTIVELY HOUSE THE EQUIPMENT
C. FOR CONTROL WIRING SPLICES, USE AMETEK #10-181-014 BOX WITH #10-181-015 LOCKING LID, OR AS PER THE DRAWINGS.
2.12 IRRIGATION WIRING
A. WIRING USED FOR CONNECTING THE ELECTRIC CONTROL VALVES TO THE CONTROLLERS SHALL BE TYPE UF, 600 VOLT, SINGLE STRAND, SOLID COPPER WITH PVC INSULATION 4/64" THICK. SIZE SHALL BE 14 GAUGE, RED FOR "HOT" OR LEAD WIRES, AND COMMON WIRE TO BE 14 GAUGE, WHITE IN COLOR.
B. CONTRACTOR SHALL PERFORM AN OHM TEST ON GROUND TO ASSURE ADEQUATE PROTECTION AGAINST SURGES AND INDIRECT LIGHTNING STRIKES.
2.13 MISCELLANEOUS MATERIALS
A. DRAINAGE BACKFILL: CLEANED GRAVEL OR CRUSHED STONE, GRADED FROM 1" MAXIMUM TO 3/4" MINIMUM.
B. METALIZED UNDERGROUND TAPE: THE DETECTABLE, UNDERGROUND UTILITY MARKING TAPE SHALL CONSIST OF A MINIMUM: 5 MIL (0.005") OVERALL THICKNESS; FIVE-PLY COMPOSITION; ULTRA-HIGH MOLECULAR WEIGHT, 100% VIRGIN POLYETHYLENE; ACID, ALKALINE AND CORROSION RESISTANT; WITH NO LESS THAN 150 POUNDS OF TENSILE BREAK STRENGTH PER 6" WIDTH; COLOR-CODE IMPREGNATED WITH COLOR STABLE, LEAD-FREE, ORGANIC PIGMENTS SUITABLE FOR DIRECT BURIAL. TAPES UTILIZING REPROCESSED PLASTICS OR RESINS SHALL NOT BE ACCEPTABLE. THE DETECTABLE, UNDERGROUND UTILITY MARKING TAPE SHALL HAVE A 35 GAUGE (0.0035") SOLID ALUMINUM FOIL, CORE ENCAPSULATED WITHIN A 2.55 MIL (0.00255") POLYETHYLENE BACKING AND A 0.6 MIL (0.006") PET COVER COATING. THE LAMINATE ON EACH SIDE SHALL CONSIST OF A 0.75 MIL (0.00075") LAYER OF HOT LPDE, POLY-FUSING THE "SANDWICH" WITHOUT USE OF ADHESIVES.
2.14 AUTOMATIC CONTROL SYSTEM
1. AN INDEPENDENT STATION CONTROLLER: FURNISH A SOLID STATE CONTROLLER, AS SPECIFIED ON THE PLANS.
a. EACH STATION SHALL BE CAPABLE OF TIMING FROM ZERO (0) MINUTE TO 99 MINUTES PER STATION IN ONE (1) MINUTE INCREMENTS.
b. EACH STATION SHALL BE CAPABLE OF OPERATING TWO (2) 7VA ELECTRIC VALVE-IN-HEAD SOLENOIDS.
c. THE STAND-ALONE CONTROLLER SHALL HAVE TWO (2) POSSIBLE PROGRAMS.
d. THE STAND-ALONE CONTROLLER SHALL PROVIDE GLOBAL PERCENTAGE INCREASE/DECREASE (WATER BUDGET) FOR ALL STATIONS SIMULTANEOUSLY, FROM TEN (10) TO TWO HUNDRED (200) PERCENT, IN TEN (10) PERCENT INCREMENTS.
e. ALL STATIONS SHALL BE ABLE TO BE TURNED ON/OFF MANUALLY BUY OPERATING TIMING MECHANISM OR BY MANUAL SWITCH AT STATION OUTPUT.
f. THE STAND-ALONE CONTROLLER SHALL INCORPORATE AN INTEGRAL MOV SURGE PROTECTION INTO THE TERMINAL BLOCK FOR EACH OF ITS 24 VAC FIELD WIRE OUTPUTS. CONTROLLER POWER INPUT WIRES WILL ALSO INCORPORATE SURGE PROTECTION.
g. THE CONTROL PANEL SHALL PROVIDE CONTINUOUS DISPLAY TIME. IT SHALL HAVE ALPHANUMERIC DISPLAYS OF DESCRIPTIVE ENGLISH MENUS AND LEGEND IDENTIFIERS WITH CURSOR SELECTION OF FUNCTION AND PRECISION VALUE ADJUSTMENT BY ROTARY DIAL INPUT.
h. THE STAND-ALONE CONTROLLER SHALL BE UL LISTED AND FCC APPROVED.
i. THE STAND-ALONE CONTROLLER SHALL HAVE 117 VAC, 60 HZ INPUT, 26.5 VAC, 60 HZ OUTPUT FOR OPERATING 24 VAC SOLENOIDS.
j. THE STAND-ALONE CONTROLLER CABINET SHALL BE A LOCKABLE AND WEATHER-RESISTANT OUTDOOR CABINET. MOUNT AS NOTED ON PLANS.
k. THE CONTROLLER SHALL BE EQUIPPED WITH LIGHTENING PROTECTION, BY THE CONTRACTOR, ON BOTH THE PRIMARY (120V) AND EACH SECONDARY (24V) CIRCUIT. THE CONTROLLER CIRCUITS SHALL BE GROUNDED TO A COPPER CLAD GROUNDING ROD LOCATED AT EACH CONTROLLER.
l. THE CONTROLLER SHALL BE EQUIPPED FOR A WATER CONSERVATION DEVICE. AS SPECIFIED.

PART III: EXECUTION

3.01 INSPECTION

- A. THE CONTRACTOR SHALL EXAMINE THE AREAS AND CONDITIONS UNDER WHICH LANDSCAPE IRRIGATION SYSTEM IS TO BE INSTALLED AND NOTIFY THE LANDSCAPE ARCHITECT IN WRITING OF CONDITIONS DETRIMENTAL TO THE PROPER AND TIMELY COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROCEED WITH THE WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO THE LANDSCAPE ARCHITECT.

3.02 PREPARATION

- A. THE CONTRACTOR SHALL PROVIDE SLEEVES TO ACCOMMODATE PIPING UNDER WALKS OR PAVING. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND INSTALL TO ACCURATE LEVELS PRIOR TO PAVING WORK. CUTTING AND PATCHING OF PAVING AND CONCRETE WILL NOT BE PERMITTED. THE CONTRACTOR

SHALL MAINTAIN ALL WARNING SIGNS, SHORING, BARRICADES, FLARES AND RED LANTERNS, AS REQUIRED BY ANY LOCAL CODES, ORDINANCES OR PERMITS.

3.03 TRENCHING AND BACKFILLING

- A. EXCAVATION: THE CONTRACTOR SHALL STAKE OUT THE LOCATION OF EACH RUN OF PIPE, SPRINKLER HEADS, SPRINKLER VALVES AND ISOLATION VALVES PRIOR TO TRENCHING. EXCAVATION SHALL BE OPEN VERTICAL CONSTRUCTION SUFFICIENTLY WIDE TO PROVIDE FREE WORKING SPACE AROUND THE WORK INSTALLED AND TO PROVIDE AMPLE SPACE OR BACKFILLING AND TAMPING. TRENCHES FOR PIPE SHALL BE CUT TO REQUIRED GRADE LINES, AND COMPACTED TO PROVIDE ACCURATE GRADE AND UNIFORM BEARING FOR THE FULL LENGTH OF THE LINE. THE BOTTOM OF THE TRENCHES SHALL BE FREE OF ROCK OR OTHER SHARP EDGED OBJECTS. MINIMUM COVER SHALL BE AS FOLLOWS:
PIPE AND WIRE DEPTH

Table with 2 columns: Pipe/Wire Type and Depth. Includes Pressure Mainline (18" AT TOP OF PIPE FROM FINISH GRADE), Lateral Piping (Rotor) (12" AT TOP OF PIPE FROM FINISH GRADE), Lateral Piping (Pop-up) (12" AT TOP OF PIPE FROM FINISH GRADE), and Control Wiring (Side of Main Line).

- B. MINIMUM CLEARANCES: ALL PIPELINES SHALL HAVE A MINIMUM CLEARANCE OF SIX INCHES FROM EACH OTHER AND FROM LINES OF OTHER CRAFTS. PARALLEL LINES SHALL NOT BE INSTALLED DIRECTLY OVER ONE ANOTHER. NO LATERAL LINE SHALL BE INSTALLED IN THE MAIN-LINE TRENCH

3.04 INSTALLATION OF PIPING

- A. PVC PIPE AND JOINTS: THE CONTRACTOR SHALL NOT INSTALL SOLVENT WILD PIPE WHEN AIR TEMPERATURE IS BELOW 400 F. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
1. ONLY THE SOLVENT RECOMMENDED BY THE PIPE MANUFACTURER SHALL BE USED. ALL PVC PIPE AND FITTINGS SHALL BE INSTALLED AS OUTLINED AND INSTRUCTED BY THE PIPE MANUFACTURER, AND IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE PIPE MANUFACTURER FOR ANY FIELD ASSISTANCE THAT MAY BE NECESSARY. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE CORRECT INSTALLATION.

3.05 BACKFILLING PROCEDURES

INITIAL BACKFILL ON PVC LINES SHALL BE PULVERIZED NATIVE SOIL, FREE OF FOREIGN MATTER. WITHIN RADIUS OF 4" OF THE PIPE SHALL BE CLEAN SOIL OR SAND. PLANT LOCATIONS SHALL TAKE PRECEDENCE OVER SPRINKLER AND PIPE LOCATIONS. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF TREES AND SHRUBS WITH THE ROUTING OF LINES AND FINAL HEAD LOCATIONS.

- A. BACKFILL AND COMPACTION: THE CONTRACTOR SHALL LEAVE TRENCHES SLIGHTLY MOUNDED TO ALLOW FOR SETTLEMENT AFTER THE BACKFILLING IS COMPLETED. THE CONTRACTOR SHALL CLEAN THE SITE OF THE WORK CONTINUOUSLY OF EXCESS WASTE MATERIALS AS THE BACKFILLING PROGRESSES, AND LEAVE IN A NEAT CONDITION. NO TRENCHES SHALL BE LEFT OPEN FOR A PERIOD OF MORE THAN 48 HOURS. PROTECT OPEN TRENCHES AS REQUIRED.

- 1. THE CONTRACTOR SHALL CAREFULLY BACKFILL EXCAVATED MATERIALS APPROVED FOR BACKFILLING, CONSISTING OF EARTH, LOAM, SAND, AND OTHER APPROVED MATERIALS, FREE OF ROCK AND DEBRIS OVER 1" IN SIZE. BACKFILL SHALL BE COMPACTED TO ORIGINAL DENSITY OF SURROUNDING SOIL WITHOUT DIPS, SUNKEN AREAS, OR IRREGULARITIES.
2. THE CONTRACTOR SHALL CONFORM TO DOT REQUIREMENTS FOR METHODS AND REQUIRED COMPACTION PERCENTAGES, FOR ROADS AND PAVING.
3. THE CONTRACTOR SHALL HAND PLACE THE FIRST 6" OF BACKFILL (OR TO TOP OF PIPE) AND HAVE IT WALKED ON SO AS TO SECURE THE POSITION OF THE PIPE AND WIRE.
4. NO WHEEL ROLLING WILL BE ALLOWED. THE CONTRACTOR SHALL REMOVE ROCK OR DEBRIS EXTRACTED FROM BACKFILL MATERIALS AND DISPOSE OF OFFSITE. THE CONTRACTOR SHALL FILL ANY VOIDS LEFT IN BACKFILL WITH APPROVED BACKFILL MATERIALS.

- B. EXISTING LAWNS: WHERE TRENCHING IS REQUIRED ACROSS EXISTING LAWNS, UNIFORMLY CUT STRIPS OF SOD 6" WIDER THAN TRENCH. THE CONTRACTOR SHALL REMOVE SOD IN ROLLS OF SUITABLE SIZE FOR HANDLING AND KEEP MOISTENED UNTIL REPLANTED. THE CONTRACTOR SHALL REPLANT SOD WITHIN 48 HOURS AFTER REMOVAL, ROLL AND WATER GENEROUSLY. THE CONTRACTOR SHALL RESOD ANY AREAS NOT IN HEALTHY CONDITION EQUAL TO ADJOINING LAWNS 10 DAYS AFTER REPLANTING.

- C. SEEDED AREA: TRENCHING WILL BE REQUIRED ACROSS EXISTING SEEDED AREAS, PRIMARILY ROADWAY EDGING. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF SEEDING, SECTION 02930 FOR THE RESEEDING OF THE DISTURBED TRENCH AREA.
D. PAVEMENTS: JACK AND BORE OR DIRECTIONAL BORE PIPING UNDER PAVING MATERIALS AS PER LOCAL REGULATORY CODES. NO CUTTING AND PATCHING OF PAVEMENT WILL BE PERMITTED.

3.06 VALVES

- A. ISOLATION VALVES: SHALL BE SIZED CORRESPONDING TO ADJACENT PIPE SIZE. SPECIFIED VALVE BOXES SHALL BE INSTALLED FLUSH WITH FINISH GRADE IN SUCH A MANNER THAT SURFACE FORCES APPLIED TO THEIR EXPOSED AREA WILL NOT BE TRANSMITTED TO THE PIPING IN WHICH THE VALVE IS INSTALLED NOR ANY OTHER PIPING, WIRING OR OTHER LINES IN THE VICINITY OF SAID VALVES.
B. GATE VALVES: INSTALL WHERE SHOWN, IN VALVE BOXES.
C. ELECTRIC CONTROL VALVES: SHALL BE INSTALLED IN SPECIFIED VALVE BOXES. THE VALVE SHALL HAVE 6" OF 3/4" PEA GRAVEL INSTALLED BELOW THE BOTTOM OF THE VALVE. IF THE VALVE BOX DOES NOT EXTEND TO THE BASE OF THE VALVE, A VALVE BOX EXTENSION SHALL BE INSTALLED. ELECTRIC CONTROL VALVES SHALL BE INSTALLED WHERE SHOWN AND GROUPED TOGETHER WHERE PRACTICAL. THE CONTRACTOR SHALL PLACE NO CLOSER THAN 24" TO WALK EDGES, BIKEWAY EDGES, BUILDINGS AND WALLS. THE CONTRACTOR SHALL ADJUST THE VALVE TO PROVIDE FLOW RATE OR RATED OPERATING PRESSURE REQUIRED FOR EACH SPRINKLER CIRCUIT.

3.07 CONDUIT AND SLEEVES

- A. CONDUIT AND SLEEVES FOR CONTROL WIRING AND MAIN/LATERAL PIPE: THE CONTRACTOR SHALL PROVIDE AND INSTALL WHERE NECESSARY. CONTRACTOR SHALL COORDINATE LOCATIONS OF PREVIOUSLY INSTALLED SLEEVING WITH THE GENERAL SITE CONTRACTOR.
1. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF SLEEVES WITH WORK OF OTHER DISCIPLINES.

3.08 CONTROLS

- A. THE CONTRACTOR SHALL CONNECT ELECTRIC CONTROL VALVES TO CONTROLLERS IN A CLOCKWISE SEQUENCE TO CORRESPOND WITH STATION SETTINGS BEGINNING WITH STATIONS 1, 2, 3, ETC. AUTOMATIC CONTROLLERS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AS NOTED ON THE DRAWINGS. ALL ZONES WILL BE LABELED ON THE CONTROLLER.
B. CONTROLLERS SHALL BE EQUIPPED WITH LIGHTNING PROTECTION AND GROUNDED TO A STANDARD 5/8" COPPER CLAD STEEL GROUND ROD DRIVEN A MINIMUM OF 8' INTO THE GROUND AND CLAMPED.
C. THE ELECTRICAL SERVICE TO THE CONTROLLERS SHALL BE PERFORMED BY AN ELECTRICAL SUBCONTRACTOR IN COMPLIANCE WITH NEC REQUIREMENTS.

3.09 CONTROL WIRE

- A. CONTROL WIRING BETWEEN THE CONTROLLER AND ELECTRIC VALVES SHALL BE BURIED IN MAIN LINE TRENCHES OR IN SEPARATE TRENCHES. ELECTRICAL CONNECTION AT VALVE WILL ALLOW FOR PIGTAIL SO SOLENOID CAN BE REMOVED FROM VALVE WITH SUFFICIENT SLACK TO ALLOW ENDS TO BE PULLED 12" ABOVE GROUND FOR EXAMINATION AND CLEANING.
B. AN EXPANSION LOOP SHALL BE PROVIDED AT EVERY VALVE AT 100' O.C. EXPANSION LOOP SHALL BE FORMED BY WRAPPING WIRE AT LEAST EIGHT TIMES AROUND A 3/4" PIPE AND WITHDRAWING PIPE.
C. THE WIRE SHALL BE BUNDLED AND TAPED EVERY TEN FEET. THE WIRE SHALL BE LAID IN THE TRENCH PRIOR TO INSTALLING THE PIPE BEING CAREFUL TO INSTALL WIRE BENEATH AND 6" TO THE SIDE OF THE MAIN PIPE LINE.
D. ELECTRICAL CONNECTIONS TO ELECTRIC CONTROL VALVES SHALL BE MADE WITH RAINBIRD PEN-TITE OR TECHDEL GT-3-GEL- TITE CONNECTORS OR EQUAL.
a. POWER CONNECTIONS: ELECTRICAL CONNECTIONS TO POWER AND SIGNAL WIRES SHALL BE MADE USING 3M 82-A2 POWER CABLE SPLICE KITS.



Restaurant Support Office
6800 Bishop Road, Plano, TX 75024
Tel: 972-769-3100 Fax: 972-769-3101

Store:

Raising Cane's

Restaurant #0855

8070 NW 36th Street

Doral, FL 33166

CUSTOM [A]

Designer's Information:



6767 Perkins Road, Suite 200
Baton Rouge, Louisiana 70808

Telephone: 225 769-0546

www.csrinc.com

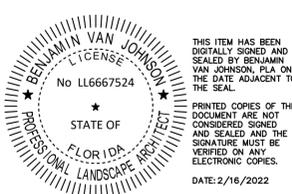
Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF

ENTITLEMENTS
11-19-2021

355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134
PHONE: 305-673-2025
WWW.KIMLEY-HORN.COM CA 0000696



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BENJAMIN VAN JOHNSON, P.E. ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
DATE: 2/16/2022

Sheet Versions:

Table with 3 columns: #, Date, Description. Contains one row with #1, 11-19-2021, and Entitlements.

Sheet Title:

IRRIGATION NOTES

Sheet Number:

L-450

GENERAL IRRIGATION SPECIFICATIONS AND NOTES CONTINUED

UNDERGROUND IRRIGATION SYSTEM

PART III: EXECUTION

3.10 SPRINKLER HEADS

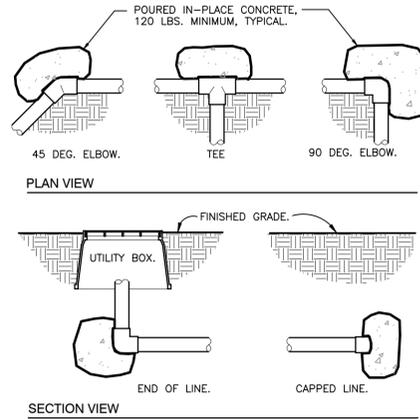
- A. GENERAL PROVISIONS:
1. SPRINKLER HEADS SHALL BE INSTALLED AS DESIGNATED ON THE SHOP DRAWINGS. HEADS SHALL BE INSTALLED ON FLEXIBLE PVC. TOP TO BE FLUSH WITH FINISH GRADE OR TOP OF CURB.
  2. SPACING OF HEADS SHALL NOT EXCEED THE MAXIMUM INDICATED ON THE SHOP DRAWINGS (UNLESS DIRECTED BY THE LANDSCAPE ARCHITECT). IN NO CASE SHALL THE SPACING EXCEED THE MAXIMUM RECOMMENDED BY THE MANUFACTURER.
- B. HEAD TYPES:
1. POP-UP ROTARY SPRINKLER HEADS: SHALL BE INSTALLED ON FLEX JOINT AND BE SET WITH TOP OF HEAD FLUSH WITH FINISH GRADE. HEADS INSTALLED AT CURB SHALL HAVE 6" TO 10" BETWEEN PERIMETER OF HEAD AND CONCRETE. HEADS PLACED AT EDGE OF PAVEMENT HAVING NO CURB SHALL BE INSTALLED 24" FROM EDGE OF PAVEMENT.
  2. SPRAY POP-UP SPRINKLER HEADS: SHALL BE INSTALLED ON FLEXIBLE PVC AND BE SET WITH TOP OF HEAD FLUSH WITH FINISHED GRADE. SPRINKLER HEADS PLACED ADJACENT TO CURBS WILL BE INSTALLED 9" FROM CONCRETE. SPRINKLER HEADS PLACED ADJACENT TO PAVEMENT HAVING NO CURB SHALL BE INSTALLED 24" FROM THE EDGE OF PAVEMENT.

3.11 COMPLETION

- A. FLUSHING: BEFORE SPRINKLER HEADS ARE SET, THE CONTRACTOR SHALL FLUSH THE LINES THOROUGHLY TO MAKE SURE THERE IS NO FOREIGN MATTER IN THE LINES.
1. THE CONTRACTOR SHALL FLUSH THE MAIN LINES FROM DEAD END FITTINGS FOR A MINIMUM OF FIVE MINUTES UNDER A FULL HEAD OF PRESSURE.
- B. TESTING: THE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT AND OWNER FORTY-EIGHT (48) HOURS IN ADVANCE OF TESTING.
1. PRIOR TO BACKFILLING OF MAIN LINE FITTINGS, CONTRACTOR SHALL FILL THE MAIN LINE PIPING WITH WATER, IN THE PRESENCE OF THE OWNER/LANDSCAPE ARCHITECT, TAKING CARE TO PURGE THE AIR FROM IT BY OPERATING ALL THE SPRINKLER CONTROL VALVES ONE OR MORE TIMES AND/OR SUCH OTHER MEANS AS MAY BE NECESSARY. A SMALL, HIGH PRESSURE PUMP OR OTHER MEANS OF MAINTAINING A CONTINUOUS WATER SUPPLY SHALL BE CONNECTED TO THE MAIN LINE AND SET SO AS TO MAINTAIN 100 PSI IN THE MAIN LINE SYSTEM FOR TWO (2) HOURS WITHOUT INTERRUPTION. WHEN THIS HAS BEEN ACCOMPLISHED AND WHILE THE PRESSURE IN THE SYSTEM IS STILL 100 PSI, LEAKAGE TESTING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA STANDARD C-600. PRESSURE READINGS SHALL BE NOTED AND MAKE UP WATER USAGE SHALL BE RECORDED. SHOULD THE RATE OF MAKE UP WATER USAGE INDICATE SIGNIFICANT LEAKAGE, THE SOURCE OF SUCH LEAKAGE SHALL BE FOUND AND CORRECTED AND THE SYSTEM THEN RETESTED UNTIL THE OWNER/LANDSCAPE ARCHITECT IS SATISFIED THAT THE SYSTEM IS REASONABLY SOUND. LATERAL LINE TESTING SHALL BE CONDUCTED DURING THE OPERATING TESTING OF THE SYSTEM BY CHECKING VISUALLY THE GROUND SURFACE UNTIL NO LEAKS IN THIS PORTION OF THE SYSTEM ARE EVIDENT. LEAKS SHALL BE REPAIRED OR PAID FOR BY THE CONTRACTOR AT ANY TIME THEY APPEAR DURING THE WARRANTY PERIOD.
  2. ADJUSTMENT AND COVERAGE OF SYSTEM: COORDINATE PRESSURE TESTING WITH ADJUSTMENTS AND COVERAGE TEST OF SYSTEM SO BOTH MAY OCCUR AT THE SAME TIME. THE CONTRACTOR SHALL BALANCE AND ADJUST THE VARIOUS COMPONENTS OF THE SYSTEM SO THAT THE OVERALL OPERATION OF THE SYSTEM IS MOST EFFICIENT. THIS INCLUDES A SYNCHRONIZATION OF THE CONTROLLERS, ADJUSTMENTS TO PRESSURE REGULATORS, PRESSURE RELIEF VALVES, PART CIRCLE SPRINKLER HEADS, AND INDIVIDUAL STATION ADJUSTMENTS ON THE CONTROLLERS.

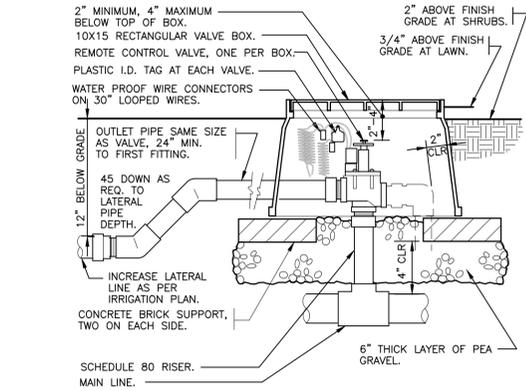
3.12 WARRANTY

- A. THE CONTRACTOR SHALL FULLY WARRANT THE LANDSCAPE IRRIGATION SYSTEM FOR A PERIOD OF ONE (1) YEAR AFTER THE WRITTEN FINAL ACCEPTANCE AND WILL RECEIVE A WRITTEN CONFIRMATION FROM THE LANDSCAPE ARCHITECT THAT THE WARRANTY PERIOD IS IN EFFECT.
- B. DURING THE WARRANTY PERIOD, THE CONTRACTOR WILL ENFORCE ALL MANUFACTURER'S AND SUPPLIER'S WARRANTIES AS IF MADE BY THE CONTRACTOR HIMSELF. ANY MALFUNCTIONS, DEFICIENCIES, BREAKS, DAMAGES, DISREPAIR, OR OTHER DISORDER DUE TO MATERIALS, WORKMANSHIP, OR INSTALLATION BY THE CONTRACTOR AND HIS SUPPLIERS SHALL BE IMMEDIATELY AND PROPERLY CORRECTED TO THE PROPER ORDER AS DIRECTED BY THE OWNER AND/OR LANDSCAPE ARCHITECT.
- C. ANY DAMAGES CAUSED BY SYSTEM MALFUNCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WHO SHALL MAKE FULL AND IMMEDIATE RESTORATION FOR SAID DAMAGES.

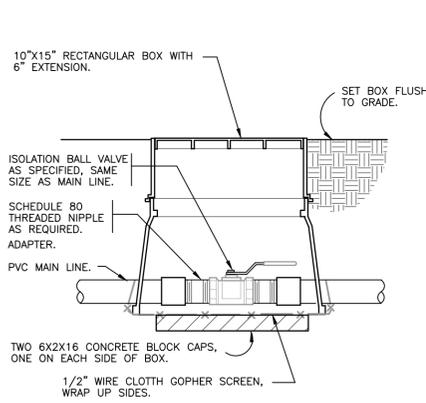


1 THRUST BLOCKING  
3/4" = 1'-0"

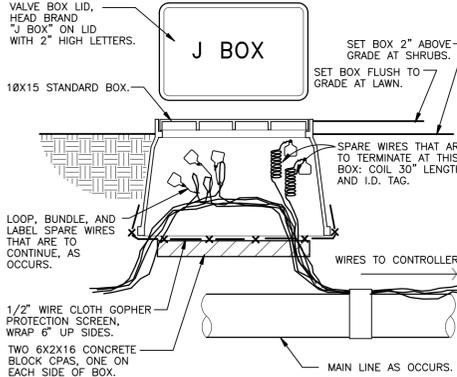
2 TRENCHING DETAIL  
NOT TO SCALE



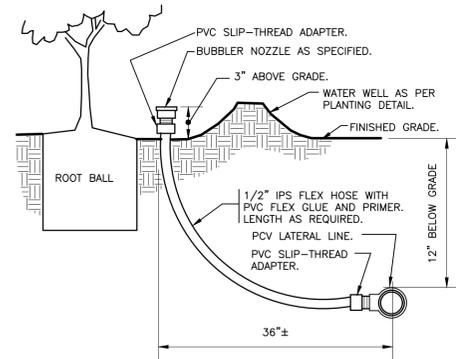
3 ELECTRIC REMOTE CONTROL VALVE  
1 1/2" = 1'-0"



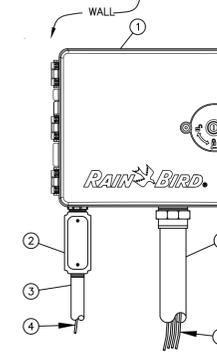
4 BRASS BALL ISOLATION VALVE  
1 1/2" = 1'-0"



5 WIRE BUNDLE JUNCTION BOX  
1 1/2" = 1'-0"



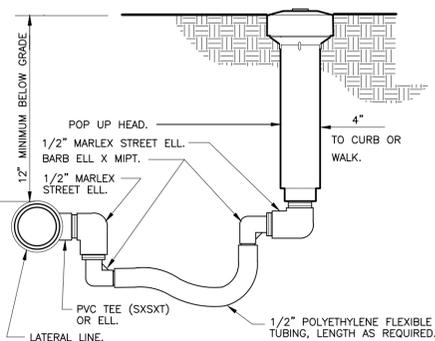
6 BUBBLER ON FLEX HOSE RISER  
3" = 1'-0"



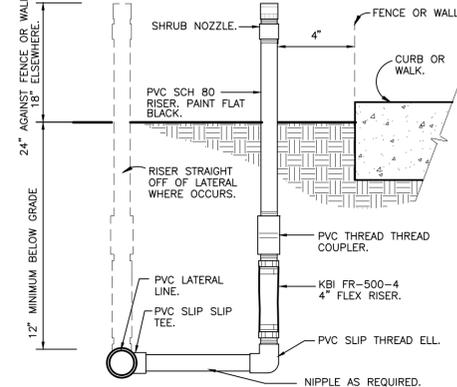
10 ESP-LXMEF CONTROLLER IN PLASTIC CABINET  
NOT TO SCALE

- 1 IRRIGATION CONTROLLER: RAIN BIRD ESP-LXME CONTROLLER IN PLASTIC CABINET WITH WALL MOUNT. INSTALL CONTROLLER AND CABINET ON WALL PER MANUFACTURER'S RECOMMENDATIONS.
- 2 JUNCTION BOX
- 3 1-INCH CONDUIT AND FITTINGS TO POWER SUPPLY
- 4 POWER SUPPLY WIRE
- 5 2-INCH CONDUIT AND FITTINGS FOR STATION WIRES
- 6 WIRES TO REMOTE CONTROL VALVES

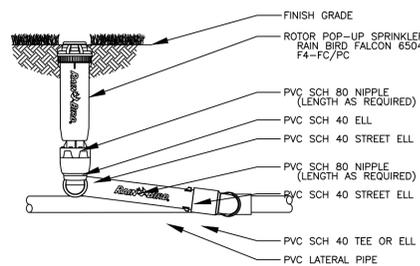
- NOTES:
1. ESP-LXMEF CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
  2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
  3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
  3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.



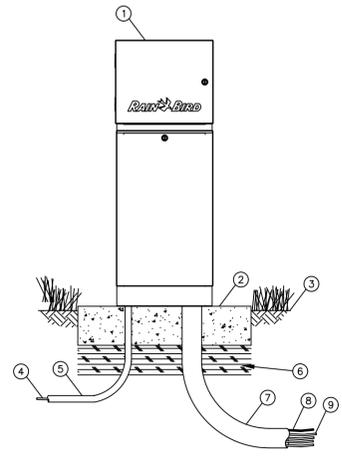
7 POP-UP SPRAY FLEX ASSEMBLY  
3" = 1'-0"



8 SHRUB SPRAY FIXED RISER  
3" = 1'-0"



9 ROTOR POP UP SPRINKLER  
NOT TO SCALE



11 ESP-LXMEF CONTROLLER IN STAINLESS STEEL PEDESTAL - LXMMSS PED  
NOT TO SCALE

- 1 IRRIGATION CONTROLLER: RAIN BIRD ESP-LXMEF CONTROLLER WITH FLOW SMART MODULE IN LXMM METAL CABINET AND LXMPED METAL PEDESTAL. INSTALL CONTROLLER, CABINET AND PEDESTAL PER MANUFACTURER'S RECOMMENDATIONS.
- 2 CONCRETE PAD: 6-INCH MINIMUM THICKNESS
- 3 FINISH GRADE
- 4 POWER SUPPLY WIRE
- 5 1-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR POWER SUPPLY
- 6 COMPACTED SUBGRADE
- 7 3-INCH SCH 40 PVC CONDUIT, FITTINGS AND SWEEP ELL FOR STATION WIRES
- 8 FLOW SENSOR WIRE (PE 39, 89 OR 54) TO FLOW SENSOR
- 9 MASTER VALVE AND REMOTE CONTROL VALVE WIRES

- NOTES:
1. ESP-LXMEF CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 4-, 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
  2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
  3. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tel: 972-769-3100 Fax: 972-769-3101

Store:

Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:



6767 Perkins Road, Suite 200  
Baton Rouge, Louisiana 70808  
Telephone: 225 769-0546  
www.csrinc.com

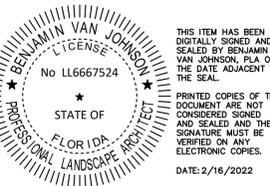
Prototype Phase: 2021-1.0 (05-07-2021)

Project Issue Date: 10-30-2021

CSRS Project Manager: MRF

ENTITLEMENTS  
11-19-2021

355 ALHAMBRA CIRCLE, SUITE 1400, CORAL GABLES, FL 33134  
PHONE: 305-673-2025  
WWW.KIMLEY-HORN.COM CA 00000696



Sheet Versions:

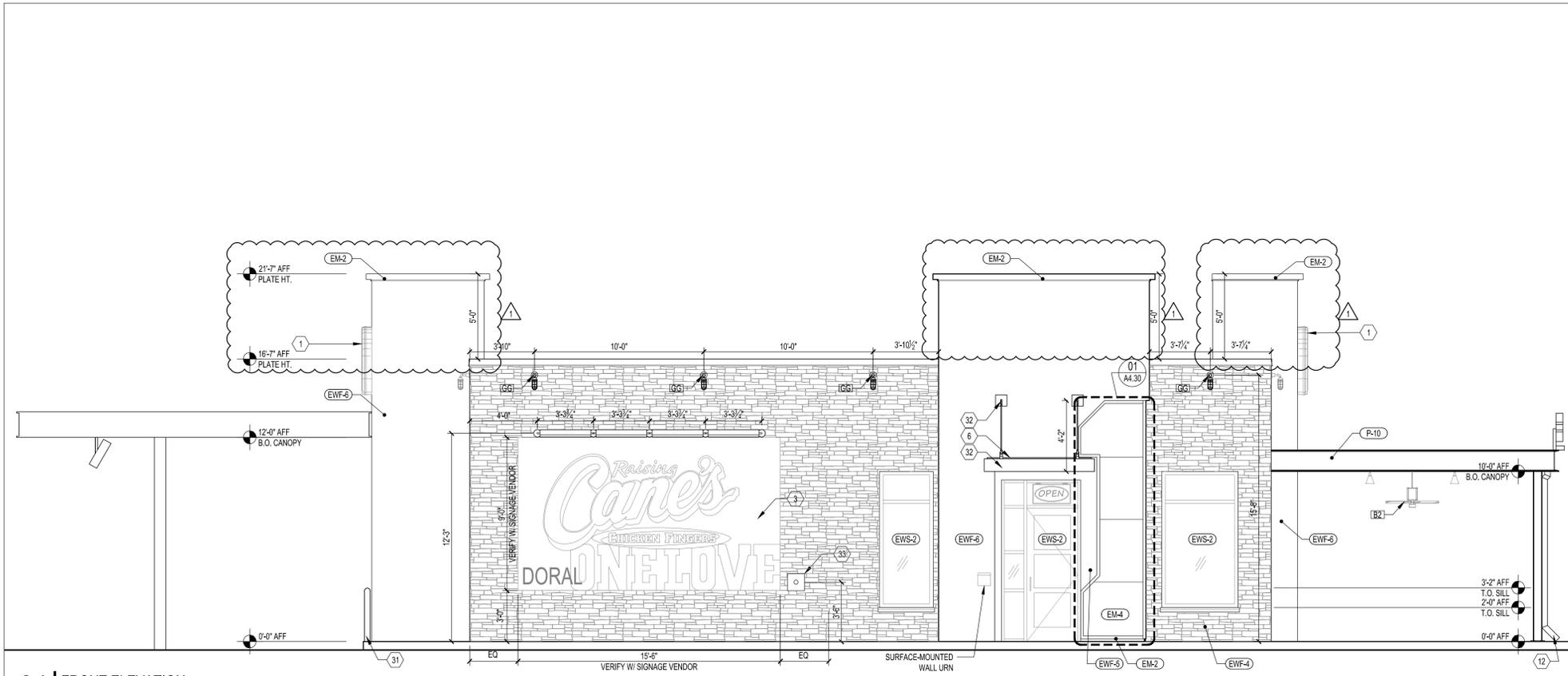
#	Date	Description

Sheet Title:

IRRIGATION NOTES  
AND DETAILS

Sheet Number:

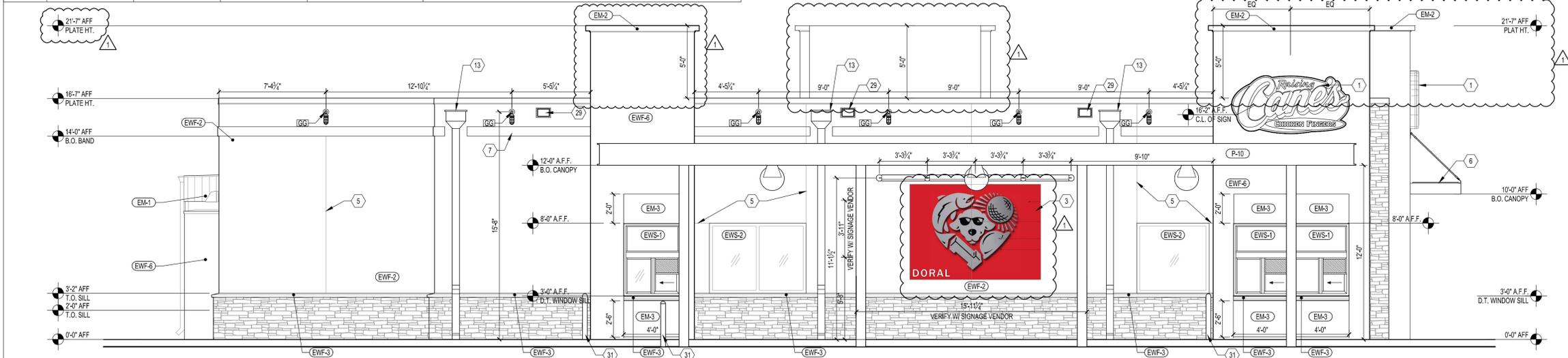
L-451



**01 | FRONT ELEVATION**  
1/4" = 1'-0"

**SCHEDULE OF EXTERIOR MATERIALS**

KEY	MATERIALS	MANUFACTURER	PRODUCT	COLOR / FINISH	DESCRIPTION
EM-1	STANDING SEAM ROOF	BERRIDGE	TEE-LOCK PANEL	KYNAR 500 MATTE BLACK	GALVANIZED STEEL SHEET W/ KYNAR FINISH (24 GA.) STANDARD COLOR
EM-2	METAL CAP FLASHING	BERRIDGE		KYNAR 500 MATTE BLACK	GALVANIZED STEEL SHEET W/ KYNAR FINISH (24 GA.) STANDARD COLOR
EM-3	POWDER COATED STEEL	SIGNAGE SUPPLIER		CHARCOAL	METAL ACCENT PANEL
EM-4	METAL ACCENT PANELS	SIGNAGE SUPPLIER		DISTRESSED/SALVAGED RED	METAL PANEL TO BE APPLIED OVER STUCCO WALL EWF-5
EWF-1	BRICK VENEER	BELDEN	NORMAN STANDARD	MEDIUM RANGE IRON SPOT	1/2 RUNNING BOND, REFER TO DETAIL. MORTAR: SOLOMAN COLORS, INC. 10H LIGHT BUFF JOINT PROFILE: WEATHER-STRUCK
EWF-2	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	SW7669 SUMMIT GREY	APPLIED OVER PORTLAND CEMENT STUCCO AT EXTERIOR WALLS. APPLIED OVER MASONRY AT CORRAL.
EWF-3	CAST STONE LEDGE	MARSTONE		6658 ARCHITECT'S GREY	MORTAR: ARGOS MAGNOLIA MASON'S MIX
EWF-4	BRICK VENEER	BORAL	MODULAR	ALAMO	MORTAR: LAFARGE IVORY BUFF, SACK RUB FINISH
EWF-5	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	132 MOUNTAIN FOG	APPLIED OVER PORTLAND CEMENT STUCCO EXTERIOR WALL. APPLIED OVER EIFS AT ROOF SCREEN.
EWF-6	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	456 OYSTER SHELL	APPLIED OVER PORTLAND CEMENT STUCCO AT EXTERIOR WALLS.
EWS-1	DRIVE-THRU WINDOW	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	
EWS-2	ALUMINUM STOREFRONT	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	



**02 | DRIVE-THRU ELEVATION**  
1/4" = 1'-0"

**KEYNOTES**

- SIGN, BY OWNER. PROVIDE BLOCKING AS REQ'D (4'-0" x 8'-0" OVAL)
- NOT USED
- WALL ART BY OWNER
- CONTROL JOINT
- PRE-FABRICATED METAL CANOPY, G.C. TO PERMIT SEPARATELY
- 9" ACCENT BAND
- ADDRESS NUMBERS IN 6" CHARACTERS. SIZE AND LOCATION AS REQUIRED BY AHJ
- METAL GUTTER & DOWNSPOUT. FINISH AS NOTED. RE: A4.10 FOR CONTINUATION
- ROOF SCUPPER AND DOWNSPOUT. OMIT STUCCO BAND AT DOWNSPOUT. EM2
- CAST STONE SILL
- UTILITY METERS & CONDUIT. PAINT TO MATCH ADJACENT CLADDING MATERIAL
- BRAKE METAL BETWEEN WINDOWS PRE-FINISHED TO MATCH STOREFRONT
- EXTERIOR SPEAKERS - MOUNTED AT 10'-0"
- SECONDARY SCUPPER
- 4" BOLLARD W/ BLACK PLASTIC SLEEVE RE: 2/A0.22
- 2X WOOD BLOCKING REQUIRED IN WALL CAVITY. REFER TO WALL SECTIONS.
- DARPRO OUTLET AND SECURITY BOX.
- ORIA 4-DIGIT KEY STORAGE BOX

**GENERAL NOTES**

- SIGNAGE TO BE APPROVED UNDER SEPARATE FILING (DEFERRED SUBMITTAL).
- CANOPIES AND AWNINGS ARE REQUESTED AS DEFERRED SUBMITTALS AS INDICATED ON SHEET PCS, G.C. TO PERMIT CANOPIES AND AWNINGS USING MANUFACTURER SPECIFICATIONS AND SHOP DRAWINGS.
- CONFIRM OUTDOOR SPEAKER LOCATIONS WITH I.T.
- VERIFY ROOF FLAGS, LOGO SIGNS, PAINTED MURAL W/ SIGNAGE VENDOR.

**SEALANT NOTES**

- PROVIDE SEALANT & BACKER RODS AT ALL DISSIMILAR MATERIALS.
- MATCH FRAME COLOR AT ALL DOORS AND WINDOWS. MATCH ADJACENT WALL MATERIAL COLOR AT WALL PENETRATIONS AND CONSTRUCTION JOINTS; AT JOINT BETWEEN TWO DIFFERENT WALL MATERIALS, MATCH DARKER MATERIAL.

**SYMBOL LEGEND**

- WINDOW DESIGNATION
- KEY NOTE
- DOOR DESIGNATION
- Room name
- ROOM NAME & NUMBER
- 5555
- DETAIL OR SECTION DESIGNATION
- 1 A07.3
- INTERIOR ELEVATION MARK
- 1 A4.1
- EXTERIOR ELEVATION MARK
- FINISH TAG
- ?



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:

Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:

**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

**ENTITLEMENTS**  
11-16-2021



Sheet Versions:

#	Date	Description
1	2/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:  
**EXTERIOR KEYNOTE ELEVATIONS**

Sheet Number:  
**A4.10**



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
**Raising Cane's**  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

ENTITLEMENTS  
11-16-2021



Sheet Versions:

#	Date	Description
1	2/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:  
**EXTERIOR KEYNOTE ELEVATIONS**

Sheet Number:  
**A4.20**

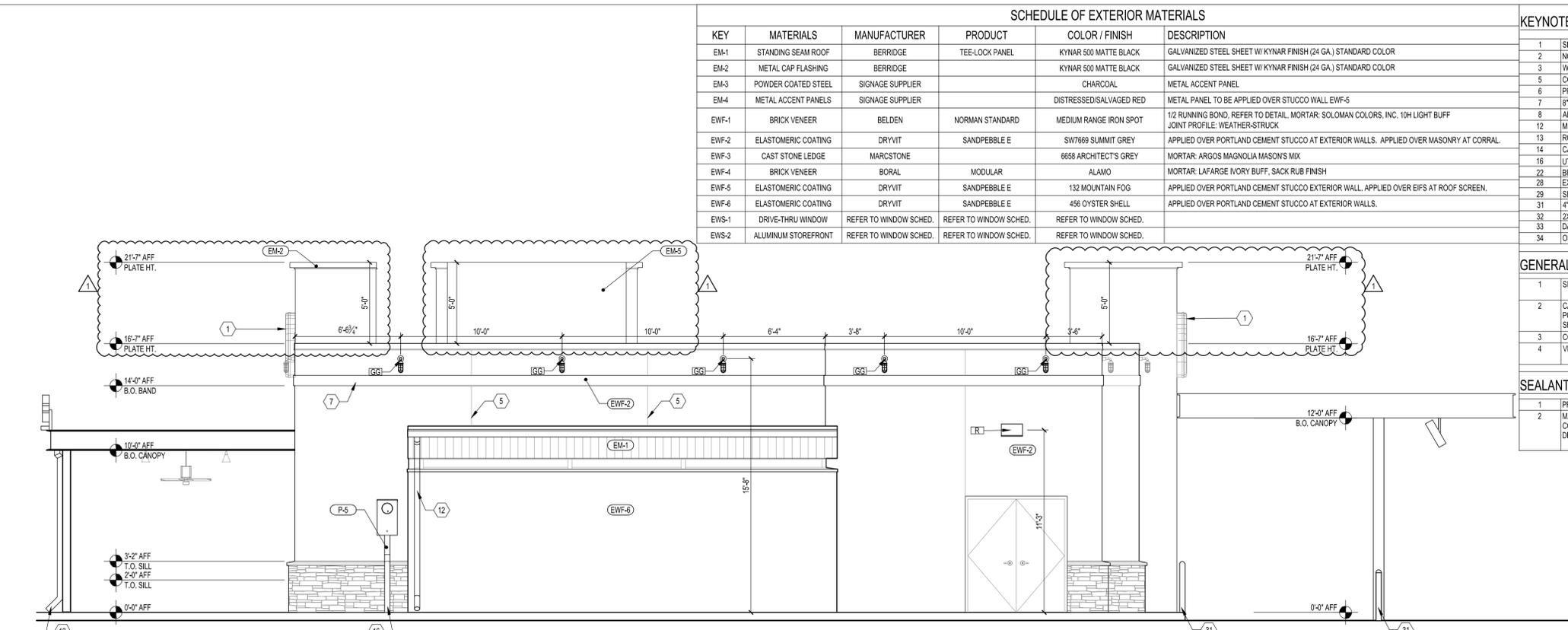
SCHEDULE OF EXTERIOR MATERIALS					
KEY	MATERIALS	MANUFACTURER	PRODUCT	COLOR / FINISH	DESCRIPTION
EM-1	STANDING SEAM ROOF	BERRIDGE	TEE-LOCK PANEL	KYNAR 500 MATTE BLACK	GALVANIZED STEEL SHEET W/ KYNAR FINISH (24 GA.) STANDARD COLOR
EM-2	METAL CAP FLASHING	BERRIDGE		KYNAR 500 MATTE BLACK	GALVANIZED STEEL SHEET W/ KYNAR FINISH (24 GA.) STANDARD COLOR
EM-3	POWDER COATED STEEL	SIGNAGE SUPPLIER		CHARCOAL	METAL ACCENT PANEL
EM-4	METAL ACCENT PANELS	SIGNAGE SUPPLIER		DISTRESSED/SALVAGED RED	METAL PANEL TO BE APPLIED OVER STUCCO WALL EWF-5
EWF-1	BRICK VENEER	BELDEN	NORMAN STANDARD	MEDIUM RANGE IRON SPOT	1/2 RUNNING BOND. REFER TO DETAIL. MORTAR: SOLOMAN COLORS, INC. 10# LIGHT BUFF JOINT PROFILE: WEATHER-STRUCK
EWF-2	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	SW7669 SUMMIT GREY	APPLIED OVER PORTLAND CEMENT STUCCO AT EXTERIOR WALLS. APPLIED OVER MASONRY AT CORRAL.
EWF-3	CAST STONE LEDGE	MARCSTONE		6658 ARCHITECT'S GREY	MORTAR: ARGOS MAGNOLIA MASON'S MIX
EWF-4	BRICK VENEER	BORAL	MODULAR	ALAMO	MORTAR: LAFARGE IVORY BUFF, SACK RUB FINISH
EWF-5	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	132 MOUNTAIN FOG	APPLIED OVER PORTLAND CEMENT STUCCO EXTERIOR WALL. APPLIED OVER EIFS AT ROOF SCREEN.
EWF-6	ELASTOMERIC COATING	DRYVIT	SANDPEBBLE E	456 OYSTER SHELL	APPLIED OVER PORTLAND CEMENT STUCCO AT EXTERIOR WALLS.
EWS-1	DRIVE-THRU WINDOW	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.
EWS-2	ALUMINUM STOREFRONT	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.	REFER TO WINDOW SCHED.

KEYNOTES	
1	SIGN, BY OWNER. PROVIDE BLOCKING AS REQ'D (4'-0" x 8'-0" OVAL)
2	NOT USED
3	WALL ART BY OWNER
5	CONTROL JOINT
6	PRE-FABRICATED METAL CANOPY, G.C. TO PERMIT SEPARATELY
7	ACCENT BAND
8	ADDRESS NUMBERS IN 6" CHARACTERS. SIZE AND LOCATION AS REQUIRED BY AHJ
12	METAL GLUTTER & DOWNSPOUT. FINISH AS NOTED. RE: A0.10 FOR CONTINUATION
13	ROOF SCUPPER AND DOWNSPOUT. OMIT STUCCO BAND AT DOWNSPOUT. EM2
14	CAST STONE SILL
16	UTILITY METERS & CONDUIT. PAINT TO MATCH ADJACENT CLADDING MATERIAL
22	BRAKE METAL BETWEEN WINDOWS PRE-FINISHED TO MATCH STOREFRONT
28	EXTERIOR SPEAKERS - MOUNTED AT 10'-0"
29	SECONDARY SCUPPER
31	4" BOLLARD W/ BLACK PLASTIC SLEEVE RE: 2/A0.22
32	2X WOOD BLOCKING REQUIRED IN WALL CAVITY. REFER TO WALL SECTIONS.
33	DARPRO OUTLET AND SECURITY BOX.
34	ORIA 4-DIGIT KEY STORAGE BOX

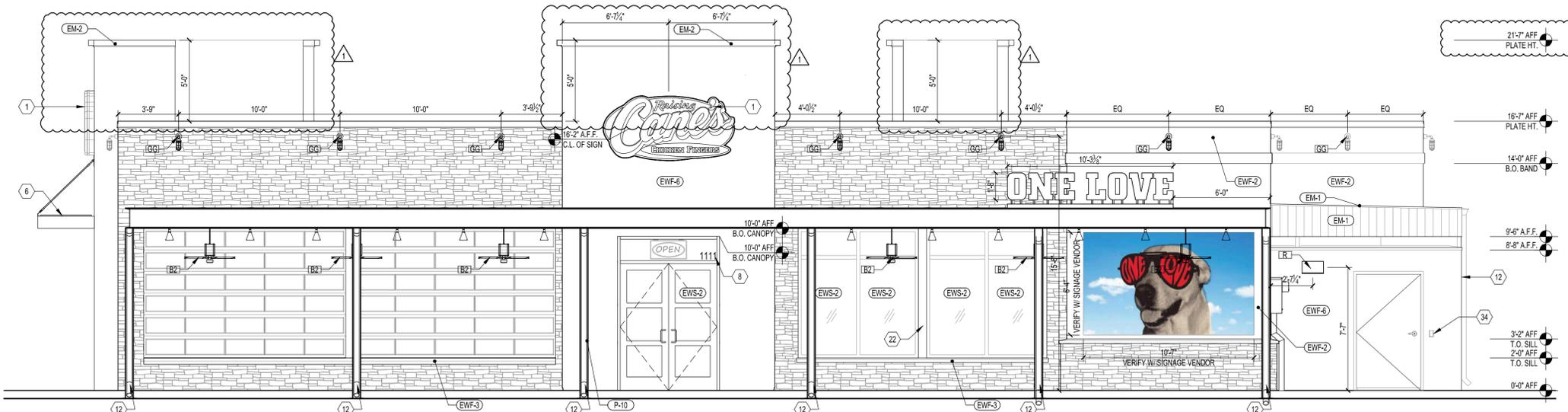
GENERAL NOTES	
1	SIGNAGE TO BE APPROVED UNDER SEPARATE FILING (DEFERRED SUBMITTAL).
2	CANOPIES AND AWNINGS ARE REQUESTED AS DEFERRED SUBMITTALS AS INDICATED ON SHEET PCS, G.C. TO PERMIT CANOPIES AND AWNINGS USING MANUFACTURER SPECIFICATIONS AND SHOP DRAWINGS.
3	CONFIRM OUTDOOR SPEAKER LOCATIONS WITH I.T.
4	VERIFY ROOF FLAGS, LOGO SIGNS, PAINTED MURAL W/ SIGNAGE VENDOR.

SEALANT NOTES	
1	PROVIDE SEALANT & BACKER RODS AT ALL DISSIMILAR MATERIALS.
2	MATCH FRAME COLOR AT ALL DOORS AND WINDOWS. MATCH ADJACENT WALL MATERIAL COLOR AT WALL PENETRATIONS AND CONSTRUCTION JOINTS; AT JOINT BETWEEN TWO DIFFERENT WALL MATERIALS, MATCH DARKER MATERIAL.

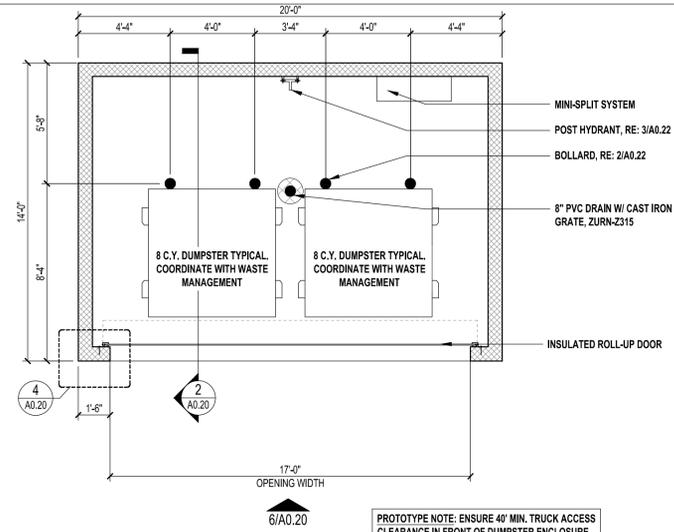
SYMBOL LEGEND	
	WINDOW DESIGNATION
	KEY NOTE
	DOOR DESIGNATION
Room name	ROOM NAME & NUMBER
5555	
	DETAIL OR SECTION DESIGNATION
1	
	INTERIOR ELEVATION MARK
1	
	EXTERIOR ELEVATION MARK
1A4.1	
	FINISH TAG
?	



**01** REAR ELEVATION  
1/4" = 1'-0"

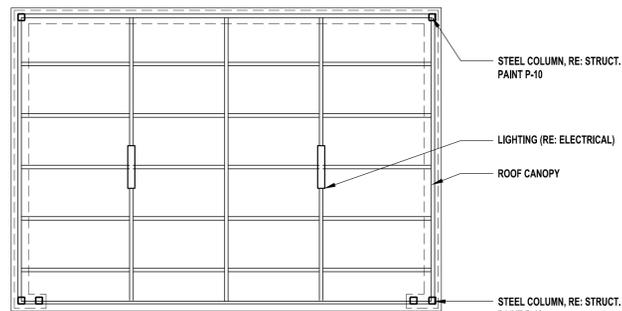


**02** SIDE ENTRY ELEVATION  
1/4" = 1'-0"

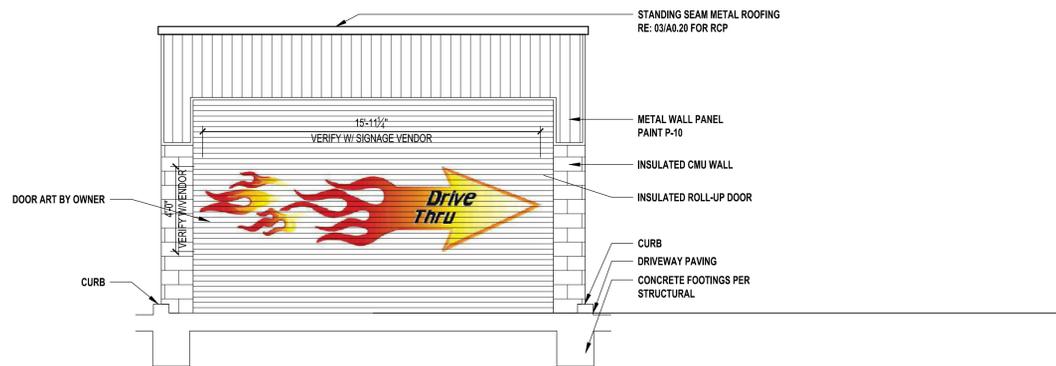


1 | STANDARD DUMPSTER PLAN  
1/4" = 1'-0"

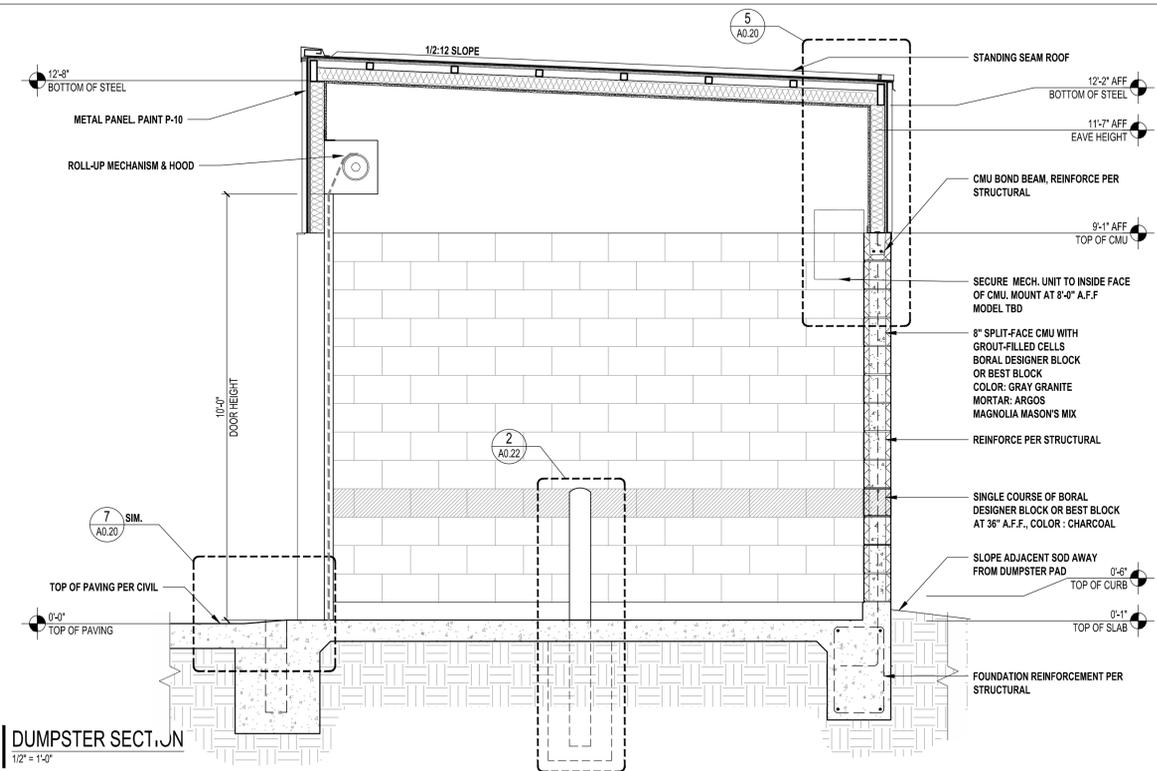
PROTOTYPE NOTE: ENSURE 40' MIN. TRUCK ACCESS CLEARANCE IN FRONT OF DUMPSTER ENCLOSURE GATES. PROVIDE 8" HEAVY PAVING AT DUMPSTER PAD AND 20' APRON IN FRONT OF DUMPSTER PAD. COORDINATE WITH CIVIL AND STRUCTURAL.



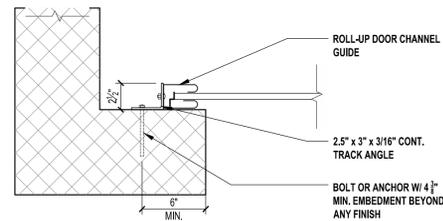
3 | DUMPSTER RCP  
1/4" = 1'-0"



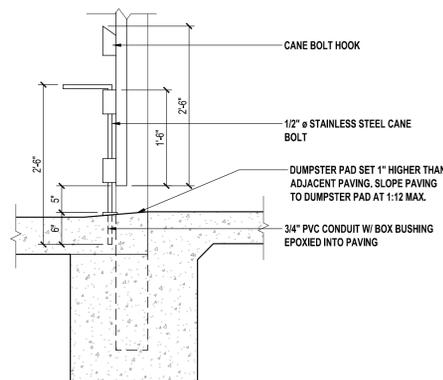
6 | DUMPSTER ENCLOSURE W/ ROOF  
1/4" = 1'-0"



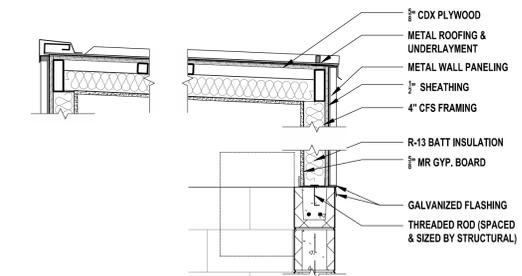
2 | DUMPSTER SECT. JN  
1/2" = 1'-0"



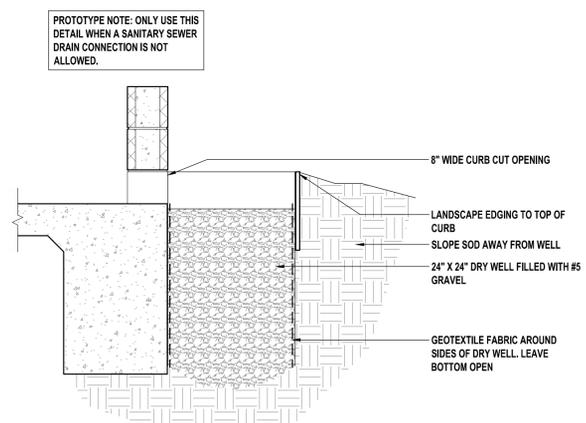
4 | DUMPSTER DOOR DETAIL  
1 1/2" = 1'-0"



7 | DUMPSTER DOOR THRESHOLD DETAIL  
3/4" = 1'-0"



5 | ROOF TO WALL DETAIL  
3/4" = 1'-0"



8 | DRY WALL DRAIN DETAIL  
3/4" = 1'-0"



Restaurant Support Office  
6800 Bishop Road, Plano, TX 75024  
Tele: 972-769-3100 Fax: 972-769-3101

Restaurant:  
Raising Cane's  
Restaurant #0855  
8070 NW 36th Street  
Doral, FL 33166  
CUSTOM [A]

Designer's Information:  
**CSRS**  
8555 United Plaza Blvd.,  
Baton Rouge, Louisiana 70809  
Telephone: 225 769-0546  
www.csrsinc.com

Prototype Phase: 2021-2.0  
Project Issue Date: 00-00-0000  
CSRS Project Manager: LB

ENTITLEMENTS  
11-16-2021



Sheet Versions:

#	Date	Description
1	02/16/2022	RESUBMITTAL
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Sheet Title:

DUMPSTER DETAILS

Sheet Number:  
**A0.20**