

Exhibit 1



Town of Bartonville

Application for Conditional Use Permit

All applications must be submitted in accordance with the Submission Schedule attached hereto. Please complete the attached checklist. A site plan application must be submitted with all Conditional Use Permit Applications.

Applicant (Owner or Agent, Specify): Jennifer Gansert, Kimley-Horn and Associates, Inc.

Mailing Address: 801 Cherry St, Unit 11, Suite 1300

Phone: 972-770-1343 Fax: _____

Email Address*: jennifer.gansert@kimley-horn.com
 (*This will be the primary method of communication)

Owner's Name(s) if different¹: A-S 114 Lantana Town Center LP

Owner's Address: 8827 W Sam Houston Pkwy N Suite 200, Houston, Tx, 77040

Phone: _____ Fax: _____

General Location of Property: 3800 FM 407, Bartonville, Tx

Current Zoning: GC/PD1

Legal Description of Property: DCFWS#7 RETAIL CENTER ADDITION BLK A LOT 3
 (Attach Complete Metes and Bounds Description)

Use Being Requested (In accordance with Appendix C:Land Use Table, of the Town of Bartonville's Comprehensive Zoning Ordinance): Restaurant (Quick Service) w/ Drive-Through

I hereby certify that the information concerning this proposed zoning change is true and correct and that I am the owner of record or the authorized for the owner of the above described property.


 Signature of Applicant/Owner

11/6/23
 Date

STAFF USE ONLY:	
Date Submitted: _____	Fee Paid: _____
Accepted By: _____	Check No. : _____
P& Z Public Hearing: _____	Metes & Bounds Attached: <input type="checkbox"/> Yes <input type="checkbox"/> No
Council Public Hearing: _____	Notarized Statement: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

¹ A NOTARIZED statement that authorizes the agent to represent the owner(s) in this matter must be attached to this application.



NOTARY FORM

Town of Bartonville

THE FOLLOWING IS TO BE COMPLETED BY EACH OWNER THAT IS NOT SIGNING THIS APPLICATION.

Dated: 11/6/23

I, Jay K. SEARS, MANAGER, owner of the Property located at 3800 FM 407 do hereby certify that I have given my permission to KIMLEY-HORN AND ASSOCIATES, to submit this conditional use permit application.

JAY K. SEARS, MANAGER
Print Name

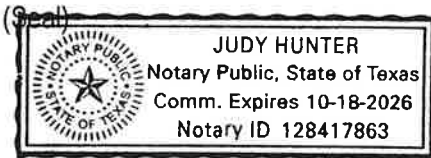

Signature of Owner

8827 W. Sam Houston Pkwy N; Suite 200, Houston Tx 77040
Address

281.640.7195
Phone No.

State of Texas §
County of Harris §

Before me, Judy Hunter, a Notary Public in and for said County and State, on this day personally appeared Jay Sears known to me to be the person whose name is subscribed to the foregoing certificate, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.




Notary



TOWN OF BARTONVILLE SITE PLAN APPLICATION/SITE PLAN AMENDMENT APPLICATION

1. Applicant:

Name: Jennifer Gansert, Kimley-Horn and Associates, Inc.

Address: 801 Cherry St, Unit 11, Suite 1300

City/State: Fort Worth, Texas Zip: _____

Office #: 972-770-1343 Cell #: 281-413-3570 Fax #: _____

Email Address: jennifer.gansert@kimley-horn.com

2. Property Owner:

Name: A-S 114 Lantana Town Center LP

Address: 8827 W Sam Houston Pkwy N Suite 200

City/State: Houston, Tx Zip: 77040

Office #: 281.640.7195 Cell #: _____ Fax #: _____

Email Address: M.HARNEY@NEWQUEST.COM

3. Site Location:

Street Address: 3800 FM 407, Bartonville, Tx 76226

Lot, Block, & Subdivision Name: DCFWS#7 RETAIL CENTER ADDITION BLK A LOT 3

4. Summarize the proposed development. If necessary, use a separate sheet.

Proposed Andy's Frozen Custard - Drive thru

5. Present Zoning: GC/PD1 **Present Land Use:** Vacant

Future Land Use Designation: Commercial Business

6. All applications must contain the required information as specified in the Town of Bartonville's Comprehensive Zoning Ordinance, (Code of Ordinances, Chapter 14, Exhibit "A").

I UNDERSTAND THAT IT IS NECESSARY FOR ME OR MY AGENT TO BE PRESENT AT BOTH THE PLANNING AND ZONING COMMISSION MEETING AND TOWN COUNCIL MEETING

FAILURE TO APPEAR before the Planning and Zoning Commission or Town Council for more than one (1) hearing without an approved delay by the Town Administrator or his/her designee shall constitute sufficient grounds to table or deny the request unless the Town is notified at least 72 hours prior to the hearing.

DENIALS BY THE PLANNING AND ZONING COMMISSION shall be forwarded to Town Council, along with the Commission's reasons for denial and will require a $\frac{3}{4}$ favorable vote of all members of Town Council.

TABLED BY THE PLANNING AND ZONING COMMISSION: The Commission may not defer its report for more than 90 days from the time it was posted on the agenda, or until it has had an opportunity to consider other proposed changes, which may have a direct bearing, unless a postponement is requested by the applicant.

Applicant Name (print or type): Jennifer Gansert _____

Applicant signature:  _____

Owner Name (print or type): Jay K. SEARS. MAJGOR _____

Owner signature:  _____

Date Received _____ Date Paid _____ Receipt Number _____




NOTARY FORM
Town of Bartonville

THE FOLLOWING IS TO BE COMPLETED BY EACH OWNER THAT IS NOT SIGNING THIS APPLICATION.

Dated: 11/6/2023

I, JAY K. SEARS, MANAGER, owner of the Property located at 3800 FM 407 do hereby certify that I have given my permission to KIMLEY-HORN AND ASSOCIATES, to submit this conditional use permit application.

JAY K. SEARS, MANAGER
Print Name


Signature of Owner

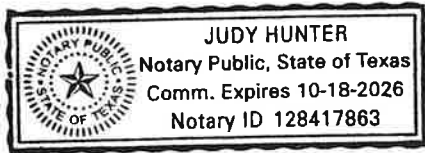
8827 W. SAM HOUSTON PKWY. #1; SUITE 200; HOUSTON TX 77040
Address

281.640.7195
Phone No.

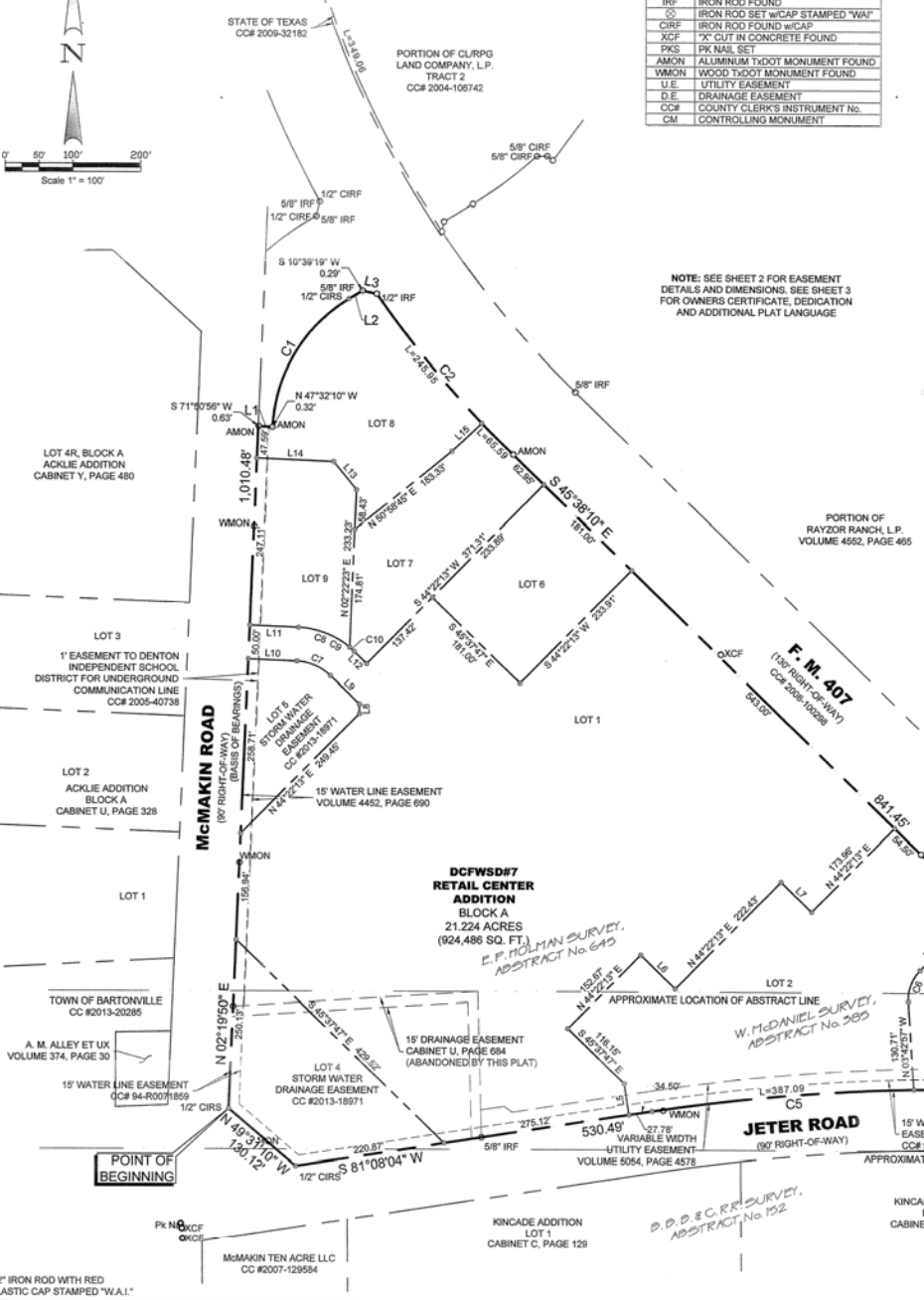
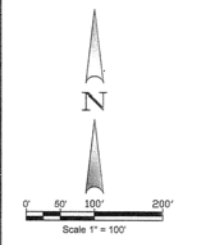
State of Texas §
County of Harris §

Before me, Judy Hunter, a Notary Public in and for said County and State, on this day personally appeared Jay Sears known to me to be the person whose name is subscribed to the foregoing certificate, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

(Seal)



Judy Hunter
Notary



ABBREVIATION LEGEND

ABBR	DEFINITION
IRF	IRON ROD FOUND
SI	IRON ROD SET w/CAP STAMPED "WA"
CI	IRON ROD FOUND w/CAP
XCF	"X" CUT IN CONCRETE FOUND
PKS	PK NAIL SET
AMON	ALUMINUM TYPOT MONUMENT FOUND
WMON	WOOD TYPOT MONUMENT FOUND
U.E	UTILITY EASEMENT
D.E	DRAINAGE EASEMENT
CCR	COUNTY CLERK'S INSTRUMENT NO.
CM	CONTROLLING MONUMENT

NOTE: SEE SHEET 2 FOR EASEMENT DETAILS AND DIMENSIONS. SEE SHEET 3 FOR OWNERS CERTIFICATE, DEDICATION AND ADDITIONAL PLAT LANGUAGE

LINE TABLE

LINE #	BEARING	DISTANCE
L1	S87°18'25"E	21.31'
L2	N88°22'42"E	23.79'
L3	S77°33'35"E	21.55'
L4	S15°34'08"E	11.24'
L5	N08°51'56"W	46.67'
L6	S45°37'47"E	71.26'
L7	S45°37'47"E	63.00'
L8	S09°37'47"E	14.14'
L9	S45°37'47"E	59.70'
L10	S87°37'37"E	71.81'
L11	N87°37'37"W	71.84'
L12	N45°37'47"W	25.70'
L13	S39°01'15"E	63.45'
L14	S87°37'37"E	113.28'
L15	N48°27'20"E	60.67'
L16	N08°51'56"W	7.02'
L17	N45°37'47"W	44.70'
L18	S87°37'37"E	71.84'
L19	N87°37'37"W	71.81'
L20	N32°36'12"E	24.52'
L21	N44°22'13"E	38.95'
L22	S44°22'20"W	38.96'
L23	S58°08'07"W	24.52'
L24	S08°39'23"E	5.34'
L25	S81°42'45"W	21.29'
L26	N38°54'28"E	51.23'

LINE TABLE

LINE #	BEARING	DISTANCE
L27	S45°37'47"E	15.13'
L28	S38°54'28"W	34.16'
L29	S44°22'13"W	10.57'
L30	N45°37'47"W	15.00'
L31	N44°22'13"E	14.43'
L32	N45°37'47"W	9.89'
L33	S15°17'43"E	10.39'
L34	N15°17'43"W	10.50'
L35	N02°19'50"E	9.99'
L36	S30°37'47"E	15.37'
L37	N81°59'38"E	10.65'
L38	S81°59'38"W	10.49'
L39	N44°22'13"E	15.00'
L40	N45°37'47"W	15.00'
L41	N44°22'13"E	60.93'
L42	S45°37'47"E	15.00'
L43	S44°22'13"W	60.93'
L44	N45°37'47"W	15.00'
L45	S86°17'03"W	20.16'
L46	S03°48'07"E	93.12'
L47	N53°48'07"W	90.99'
L48	S29°02'10"W	38.98'
L49	S08°15'17"E	10.00'
L50	N80°25'07"E	69.84'
L51	N81°42'45"E	52.78'
L52	S44°22'13"W	2.49'

LINE TABLE

LINE #	BEARING	DISTANCE
L53	S45°37'47"E	20.00'
L54	N44°22'13"E	20.00'
L55	N45°37'47"W	6.64'
L56	N81°42'45"E	81.65'
L57	S44°22'13"W	114.47'
L58	N44°22'13"E	119.52'
L59	N09°13'46"W	8.04'
L60	S09°13'46"E	3.15'
L61	N81°42'45"E	66.30'
L62	S30°37'47"E	15.37'
L63	S44°22'13"W	3.55'
L64	S45°37'47"E	15.00'
L65	N44°22'13"E	15.00'
L66	N45°37'47"W	15.00'
L67	S44°22'13"W	1.09'
L68	N30°37'47"W	14.01'
L69	S18°07'43"W	88.62'
L70	S18°07'43"W	80.85'
L71	N05°29'13"E	40.27'
L72	S50°46'02"W	79.05'
L73	S50°46'02"W	38.66'
L75	S45°37'47"E	36.32'
L76	N45°37'47"W	19.88'
L77	N01°17'25"W	1.44'



VICINITY MAP
NOT TO SCALE

FLOOD NOTE

According to the Federal Emergency Management Agency, Flood Insurance Rate Map Community Panel No. 48121C0510G, dated April 18, 2011, this property is within Flood Zone X.

Zone X - Areas determined to be outside the 0.2% annual chance floodplain.

This flood statement does not imply that the property and/or the structure thereon will be free from flooding or flood damage. On rare occasions, greater floods can and will occur and flood heights may be increased by man-made or natural causes. This flood statement shall not create liability on the part of the surveyor.

AREA TABLE

TRACT	SQUARE FEET	ACRES
LOT 1	472,478	10.847
LOT 2	133,337	3.061
LOT 3	58,455	1.342
LOT 4	50,798	1.166
LOT 5	25,641	0.589
LOT 6	42,336	0.972
LOT 7	45,992	1.047
LOT 8	59,225	1.360
LOT 9	36,634	0.841

CURVE TABLE

NO.	DELTA	RADIUS	LENGTH	CH. L	CH. B
C1	55°41'06"	235.00	228.39	219.51	N30°32'08"E
C2	11°23'48"	1,566.20	311.53	311.02	S40°14'44"E
C3	14°26'35"	1,566.20	394.80	393.76	S52°51'28"E
C4	57°56'54"	205.00	207.33	198.61	S60°25'14"W
C5	8°15'15"	2,909.79	419.19	418.83	S85°15'42"W
C6	48°05'10"	60.00	50.36	48.89	S20°19'38"W
C7	41°59'51"	75.00	54.97	53.75	N66°37'42"W
C8	37°47'24"	125.00	82.44	80.96	N68°43'55"W
C9	41°59'51"	125.00	91.62	89.59	N66°37'42"W
C10	4°12'27"	125.00	9.18	9.18	N47°44'00"W
C11	34°04'50"	20.22	12.03	11.85	N28°29'28"W
C12	79°43'55"	20.00	27.83	25.64	S41°50'47"W
C13	52°39'28"	30.00	27.57	26.81	S71°57'31"E
C14	47°55'07"	50.00	41.82	40.61	S21°40'13"E
C15	47°55'07"	20.00	16.73	16.24	S21°40'13"E
C16	42°04'53"	30.00	22.03	21.54	S23°19'47"W
C17	42°04'53"	50.00	38.72	35.90	S23°19'47"W
C18	90°00'00"	10.00	16.71	14.14	S89°22'13"W
C19	90°00'00"	30.00	47.12	42.43	N00°37'47"W
C20	84°43'42"	30.20	44.66	40.70	S01°51'35"W
C21	86°02'53"	20.00	30.04	27.29	N87°23'40"E

CURVE TABLE

NO.	DELTA	RADIUS	LENGTH	CH. L	CH. B
C22	41°59'51"	85.00	62.30	60.92	N66°37'42"W
C23	38°02'44"	115.00	76.36	74.97	N68°36'16"W
C24	90°00'00"	20.00	31.42	28.28	N89°22'13"E
C25	90°00'00"	20.00	31.42	28.28	S00°37'47"E
C26	48°05'10"	60.00	50.36	48.89	S69°40'22"E
C27	48°05'10"	30.00	25.18	24.45	S69°40'22"E
C28	90°00'00"	29.00	31.42	28.28	N48°42'57"W
C29	41°54'50"	30.00	21.95	21.46	N65°19'38"E
C30	48°05'10"	45.00	37.77	36.67	S20°19'38"W
C31	91°56'11"	20.00	32.09	28.76	N42°15'09"E
C32	62°49'23"	20.00	21.93	20.85	N60°19'13"W
C33	6°46'09"	2,623.59	309.96	309.78	S84°53'01"W
C34	6°43'35"	2,647.59	310.82	310.64	S84°51'27"W
C35	87°59'11"	10.00	15.36	13.89	S35°20'41"W
C36	72°38'52"	20.00	25.36	23.69	N61°57'49"W
C37	4°31'40"	75.00	5.93	5.93	N45°53'37"W
C38	52°18'34"	106.64	97.36	94.01	S79°45'42"E
C39	56°53'30"	91.64	89.39	85.89	S81°32'15"E
C40	0°15'11"	2,657.59	11.73	11.73	S01°37'07"W
C41	52°39'28"	20.00	18.38	17.74	S71°57'31"E

Winkelmann & Associates, Inc.
1500 W. SAM HOUSTON PARKWAY N., SUITE 200
HOUSTON, TEXAS 77040
PH: 281-461-1100
FAX: 281-461-1101
WWW.WINKELMANN-ASSOCIATES.COM

FINAL PLAT
DCFWSD#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A

SHEET 1 OF 3

DATE: 08.13.12
Scale: 1" = 100'
File: 84602-FPLT
Project No.: 84602

Filed for Record in the official records of: Denton County
On: Jan 27, 2015, at 03:13P
to the
DCFWSD#7 RETAIL CENTER ADDITION
Map Number: 2015-29
No. of Pages: 3
Amount: 150.00
Recorder Number - 1247013
Carroll Robinson

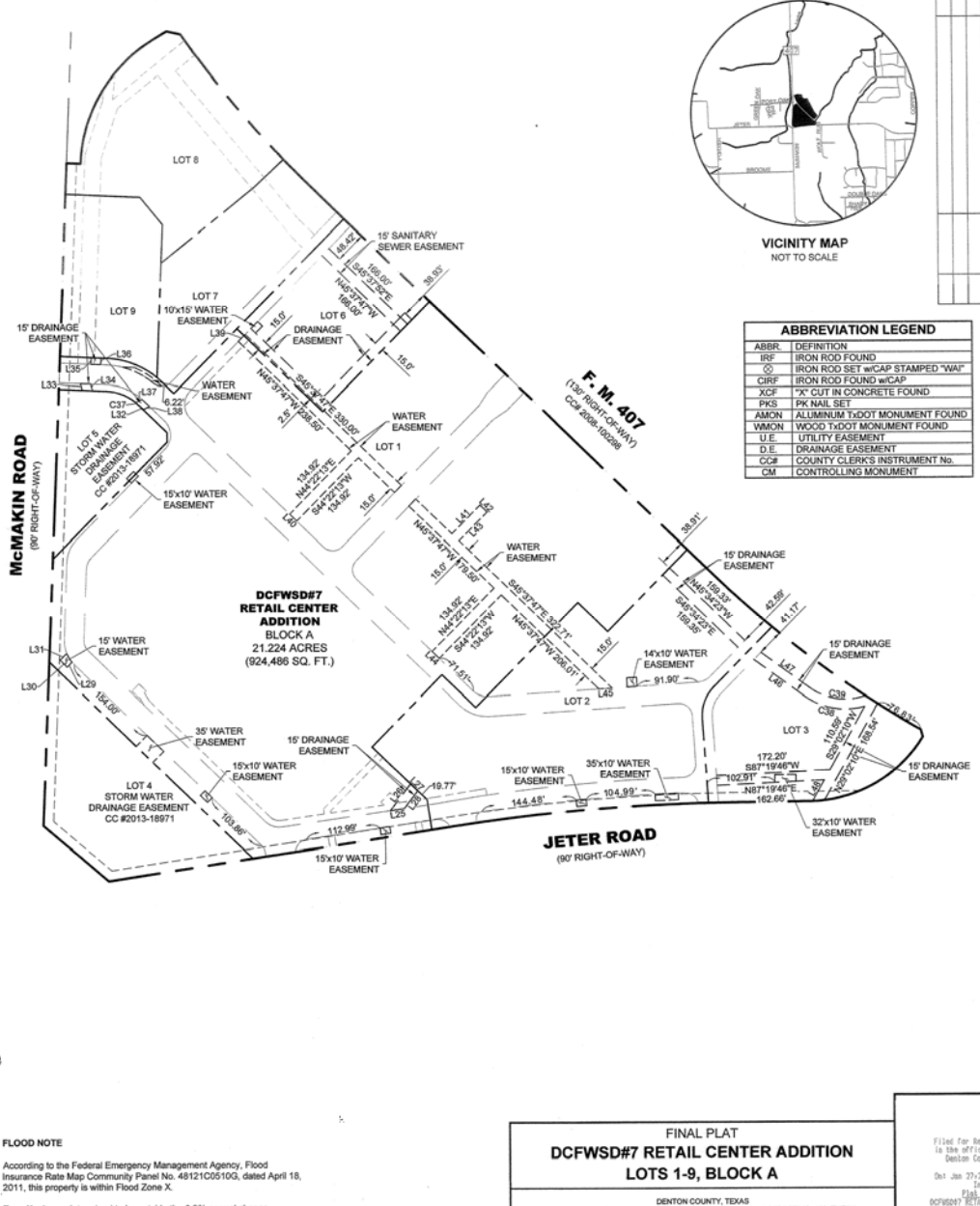
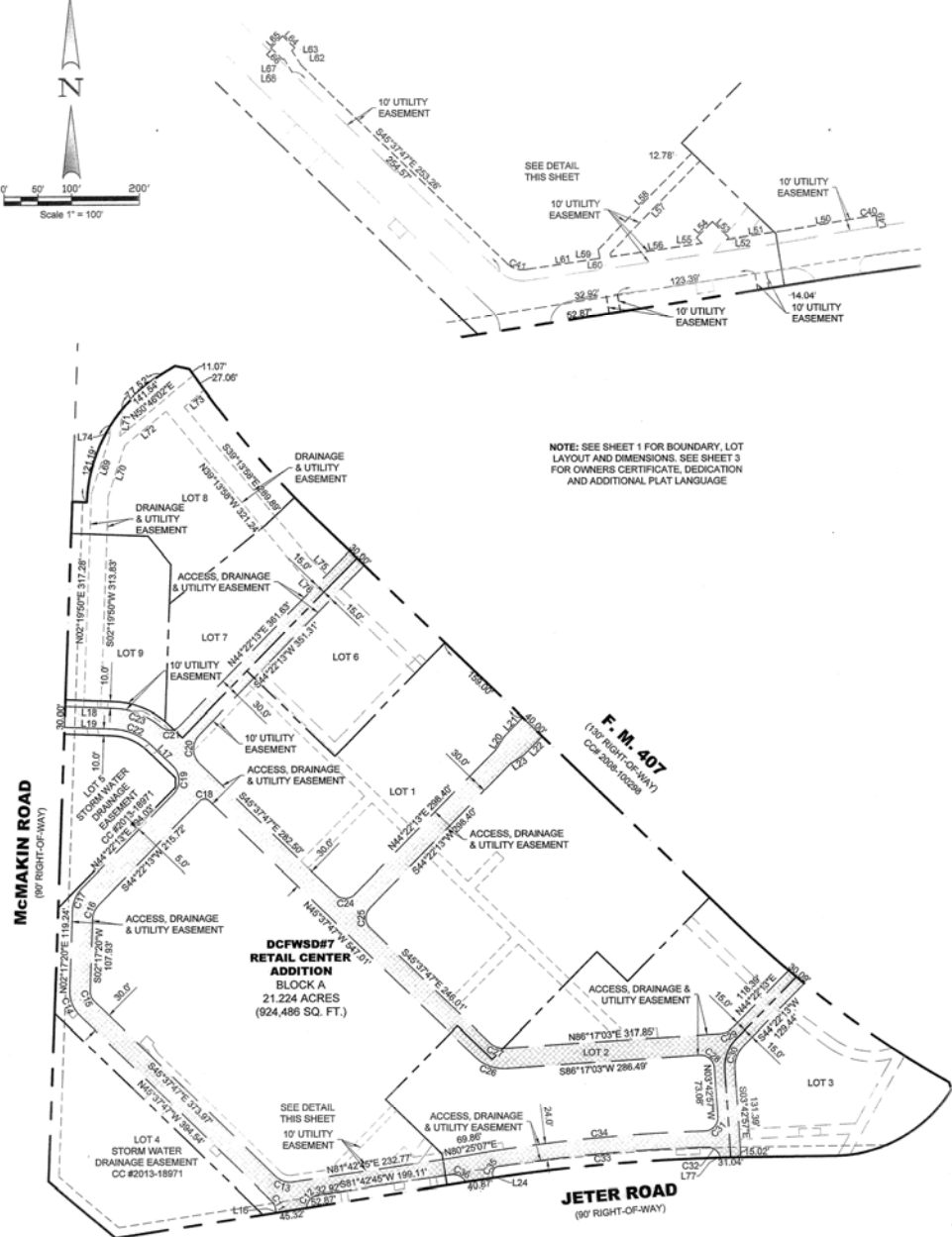
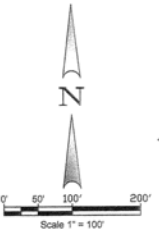
SD4421A GO1, S05, C31, W14, W21
637905 Ac. McDaniel TRIP, 3.5ac / A11
54215 " " TR 1E, .748ac / A11
54219 Ac. HSA E.P. Holman TRID, 3.0718ac / A11
54213 " " TR 10A, 9.2906ac / A11
242934 " " TR 1A, .0693ac / A11
249992 Lantana Gardens BKA Lot (W)PT
A11
54211 " " Lot 1 (EPT) / A11

FINAL PLAT
DCFWSD#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A

DENTON COUNTY, TEXAS
21.224 ACRES OUT OF THE B. B. & C. R. CO. SURVEY, ABSTRACT NO. 152, THE W. MC DANIEL SURVEY, ABSTRACT NO. 388 AND THE E. P. HOLMAN SURVEY, ABSTRACT NO. 645

OWNER:
A-S-114 LANTANA TOWN CENTER, L.P.
8827 W. SAM HOUSTON PARKWAY N., SUITE 200
HOUSTON, TEXAS 77040

ENGINEER / SURVEYOR:
WINKELMANN & ASSOCIATES, INC.
6750 HILLCREST PLAZA DRIVE, SUITE 325
DALLAS, TEXAS 75230



VICINITY MAP
NOT TO SCALE

ABBREVIATION LEGEND

ABBR	DEFINITION
IRF	IRON ROD FOUND
CC	IRON ROD SET w/CAP STAMPED "W.A.I."
CRF	IRON ROD FOUND w/CAP
XCF	"X" CUT IN CONCRETE FOUND
PKS	PK NAIL SET
AMON	ALUMINUM TxDOT MONUMENT FOUND
VMON	WOOD TxDOT MONUMENT FOUND
U.E.	UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
CC#	COUNTY CLERK'S INSTRUMENT No.
CM	CONTROLLING MONUMENT

REVISION

No.	DATE	APPROV.

Winkelmann & Associates, Inc.
 6750 HILLCREST PLAZA DRIVE, SUITE 325
 DALLAS, TEXAS 75230
 PHONE: 972-988-2888
 FAX: 972-988-2889
 WWW: WWW.WINKELMANN-ASSOCIATES.COM

B. B. & C. R. CO. SURVEY, ABSTRACT NO. 102, W. H. DANIEL SURVEY, ABSTRACT NO. 645
 TOWN OF BARTONVILLE, DENTON COUNTY, TEXAS
 NEIGHBORHOOD PROPERTIES
 8827 W. SAM HOUSTON PARKWAY N., SUITE 200
 HOUSTON, TEXAS 77060

FINAL PLAT
DCFWS#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A

Date: 05.12.12
 Scale: 1" = 100'
 File: 8402-FPLT
 Project No.: 89402

SHEET
2
OF
3

FLOOD NOTE

According to the Federal Emergency Management Agency, Flood Insurance Rate Map Community Panel No. 48121C0510G, dated April 16, 2011, this property is within Flood Zone X.

Zone X - Areas determined to be outside the 0.2% annual chance floodplain.

This flood statement does not imply that the property and/or the structure thereon will be free from flooding or flood damage. On rare occasions, greater floods can and will occur and flood heights may be increased by man-made or natural causes. This flood statement shall not create liability on the part of the surveyor.

OWNER:
 FROGER TEXAS, L.P.
 1331 E. AIRPORT FREEWAY
 IRVING, TEXAS 75062

OWNER:
 A-S-114 LANTANA TOWN CENTER, L.P.
 8827 W. SAM HOUSTON PARKWAY N., SUITE 200
 HOUSTON, TEXAS 77060

ENGINEER / SURVEYOR:
 WINKELMANN & ASSOCIATES, INC.
 6750 HILLCREST PLAZA DRIVE, SUITE 325
 DALLAS, TEXAS 75230

FINAL PLAT
DCFWS#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A

DENTON COUNTY, TEXAS
 21.224 ACRES OUT OF THE B. B. & C. R. CO. SURVEY, ABSTRACT NO. 102, THE W. H. DANIEL SURVEY, ABSTRACT NO. 385 AND THE E. P. HOLMAN SURVEY, ABSTRACT NO. 645

Filed for Record in the official records of Denton County
 On Jan 27, 2015 at 09:13P
 by the
 Plat Book#
 Doc Number: 2015-29
 No. of Pages: 2
 Amount: 150.00

Received Number: 1317012
 Correas Robinson

1/2" IRON ROD WITH RED PLASTIC CAP STAMPED "W.A.I."

OWNERS CERTIFICATE

STATE OF TEXAS
COUNTY OF DENTON

WHEREAS, Wm. Kroger Texas L.P. and A-S 114 Lantana Town Center, L.P., are the sole owners of a tract of land situated in the B. B. & C. R.R. Co. SURVEY, ABSTRACT NO. 152, W. MCDANIEL SURVEY, ABSTRACT NO. 385 and the E. P. HOLMAN SURVEY, ABSTRACT NO. 645, Denton County, Texas, being all of two tracts of land described in deed to Kroger Texas, L.P. as recorded in County Clerk's Instrument Nos. 2013-18914 and 2015-24096, Official Public Records, Denton County, Texas, being all of a tract of land described in deed to A-S 114 Lantana Town Center, L.P. as recorded in County Clerk's Instrument No. 2013-18778, Official Public Records, Denton County, Texas, and being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2-inch iron rod found for corner on the East right-of-way line of McMakin Road, a 90-foot right-of-way, said point being the Northern end of a corner clip at the intersection of said East right-of-way line of McMakin Road and the North right-of-way line of Jeter Road, a 90-foot right-of-way, said point also being the most Northerly Southwest corner of said Lot 1;

THENCE North 02 deg 19 min 50 sec East, along the East line of said McMakin Road and the Westerly line of said Rayzor tract, a distance of 1,010.48 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner, said point being South 71 deg 50 min 50 sec West, a distance of 0.63 feet from an aluminum TxDOT monument found, said point being a Southwesterly corner of a tract of land described in deed to the State of Texas as recorded in County Clerk's Instrument No. 2009-102096, Real Property Records, Denton County, Texas, said State of Texas tract being the right-of-way of F. M. 407;

THENCE along the South and Westerly line of said State of Texas tract (F. M. 407), the following courses and distances:

South 87 deg 18 min 25 sec East, a distance of 21.31 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner from which an aluminum TxDOT monument found for corner bears North 47 deg 32 min 10 sec West, a distance of 0.32 feet, said point also being the beginning of a non-tangent curve to the right having a radius of 235.00 feet, a central angle of 55 deg 41 min 06 sec, a chord bearing of North 30 deg 32 min 08 sec East, and a chord length of 219.51 feet;

Along said non-tangent curve to the right, an arc distance of 228.39 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner;

North 58 deg 22 min 42 sec East, a distance of 23.79 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner from which a 5/8-inch iron rod found for corner bears South 10 deg 39 min 19 sec West, a distance of 0.29 feet;

South 77 deg 33 min 35 sec East, a distance of 21.55 feet to a 1/2-inch iron rod found for corner from which a 5/8-inch iron rod found for corner bears South 10 deg 39 min 19 sec West, a distance of 0.29 feet, said point being the beginning of a non-tangent curve to the left having a radius of 1,566.20 feet, a central angle of 11 deg 23 min 48 sec, a chord bearing of South 40 deg 14 min 44 sec East, and a chord length of 311.02 feet;

Along said non-tangent curve to the left, an arc distance of 311.53 feet to an aluminum TxDOT monument found for corner;

South 45 deg 38 min 10 sec East, a distance of 841.45 feet to an aluminum TxDOT monument found for corner, said point being the beginning of a curve to the left having a radius of 1,566.20 feet, a central angle of 14 deg 26 min 35 sec, a chord bearing of South 52 deg 51 min 28 sec East, and a chord length of 303.76 feet;

Along said curve to the left, an arc distance of 394.80 feet to an aluminum TxDOT monument found for corner;

South 15 deg 34 min 08 sec East, a distance of 11.24 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner from which a 1/2-inch iron rod found for corner bears South 12 deg 08 min 25 sec West, 0.26 feet, said point being the beginning of a non-tangent curve to the right having a radius of 205.00 feet, a central angle of 57 deg 56 min 54 sec, a chord bearing of South 60 deg 25 min 14 sec West, and a chord length of 198.61 feet;

Along said non-tangent curve to the right, an arc distance of 207.33 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner on said North right-of-way line of Jeter Road;

THENCE South 89 deg 23 min 19 sec West, along said North right-of-way line of said Jeter Road, a distance of 121.37 feet to a 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner, said point being the beginning of a curve to the left having a radius of 2,909.79 feet, a central angle of 08 deg 15 min 15 sec, a chord bearing of South 85 deg 15 min 42 sec West, and a chord length of 418.83 feet;

THENCE continuing along the North line of said Jeter Road and said curve to the left, an arc distance of 419.19 feet 1/2-inch iron rod with a plastic cap stamped "W.A.I." set for corner;

THENCE South 81 deg 08 min 04 sec West, continuing along the North line of said Jeter Road, a distance of 530.40 feet to a 5/8-inch iron rod found for corner, said point being the Southern end of a corner clip at the intersection of the North line of said Jeter Road with the East line of said McMakin Road;

THENCE North 49 deg 31 min 10 sec West, along said corner clip, a distance of 130.12 feet to the POINT OF BEGINNING.

CONTAINING within these metes and bounds 924,486 square feet or 12,224 acres of land, more or less.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS:

That Kroger Texas L.P., and A-S 114 Lantana Town Center, L.P., acting herein by and through its duly authorized officers, do hereby adopt this plat designating the herein above described property as DCFWSD#7 RETAIL CENTER ADDITION, an addition to the Town of Bartonville, Texas, and do hereby dedicate the easements shown thereon to Denton County Fresh Water Supply District #7. The easements herein created are not exclusive, and Kroger Texas L.P. and A-S 114 Lantana Town Center, L.P. hereby expressly reserve the right, for itself and its successors and assigns, without the prior written consent of Denton County Fresh Water Supply District #7, to use the easement areas in a manner and for such purposes which are not inconsistent with the terms of this grant (including, without limitation, the right to pave (including curbs) or landscape over, across, upon and under any underground line) and/or grant such other, similar or dissimilar, easements, rights, benefits, rights-of-way and privileges to such other persons, provided, however, that any such use of the easement areas and any such easements, rights, benefits, rights-of-way and privileges hereafter granted, and such paving and landscaping hereafter made, constructed or installed upon, over, across or under the easement areas shall not be permitted to unreasonably interfere with, or unreasonably restrict the use of, the easement areas or the other rights and benefits appurtenant thereto or granted herein to Denton County Fresh Water Supply District #7. Denton County Fresh Water Supply District #7 shall have the right to remove and keep removed all or parts of any buildings, fences, trees, shrubs or other improvements or growths which may in any way encroach or interfere with the construction, maintenance, or operation of its respective systems in said easements. Denton County Fresh Water Supply District #7 shall at all times have the full right of ingress and egress to or from its respective easements for the purpose of constructing, reconstructing, inspecting, patrolling, maintaining, reading meters, and adding to or removing all or parts of its respective systems.

That the undersigned does hereby covenant and agree that he (they) shall construct upon the fire lane easements, as dedicated and shown hereon, a hard surface in accordance with the Town of Bartonville's paving standards for fire lanes, and that he (they) shall maintain the same in a state of good repair at all times and keep the same free and clear of any structures, fences, trees, shrubs, or other improvements or obstructions, including but not limited to the parking of motor vehicles, trailers, boats or other impediments to the accessibility of fire apparatus. The maintenance of paving on the fire lane easements is the responsibility of the owner, and the owner shall post and maintain appropriate signs in conspicuous places along such fire lanes, stating "Fire Lane, No Parking." The local law enforcement agency(s) is hereby authorized to enforce parking regulations within the fire lanes, and to cause such fire lanes and utility easements to be maintained free and unobstructed at all times for fire department and emergency use.

The undersigned does covenant and agree that the access easement may be utilized by any person or the general public for ingress and egress to other real property, and for the purpose of general public vehicular and pedestrian use and access, and for fire department and emergency use in, along, upon and across said premises, with the right and privilege at all times of the Town of Bartonville, its agents, employees, workmen and representatives having ingress, egress, and egress in, along, upon and across said premises.

This plat approved subject to all existing ordinances, rules, regulations and resolutions of the Town of Bartonville, Texas.
WITNESS, my hand, this 21st day of January, 2015.
KROGER TEXAS L.P., an Ohio limited partnership
BY: Rick J. Landrum, Vice President
STATE OF OHIO
COUNTY OF Hamilton
Before me, the undersigned authority, a Notary Public in and for the State of Ohio, on this day personally appeared Rick J. Landrum, Owner, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and considerations therein expressed.

Given under my hand and seal of office, this 21st day of January, 2015.
Notary Public in and for the State of Ohio
Carrie A. Cortillo
Notary Public, State of Ohio
My Commission Expires 09-15-2019

WITNESS, my hand, this 21st day of January, 2015.

A-S 114 Lantana Town Center, L.P., an Texas limited partnership
BY: Steven D. Alvis, Manager
STATE OF TEXAS
COUNTY OF HARRIS

Before me, the undersigned authority, a Notary Public in and for the State of Texas, on this day personally appeared Steven D. Alvis, Manager of A-S 114, L.C., General Partner of A-S 114 Lantana Town Center, L.P., known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purpose and considerations therein expressed.

Given under my hand and seal of office, this 21st day of January, 2015.
Notary Public in and for the State of Texas
Theresa A. Kroecker
My Commission Expires
June 15, 2017

My Commission Expires On:

SURVEYOR'S CERTIFICATE

This is to certify that I, Leonard J. Lueker, a Registered Professional Land Surveyor of the State of Texas, have plotted the above subdivision from an actual survey on the ground, and that this plat correctly represents that survey made by me or under my direction and supervision.

Dated this 22nd day of January, 2015.

Leonard J. Lueker
Registered Professional Land Surveyor
Texas Registration No. 10000
Winkelmann & Associates, Inc.
6750 Hillcrest Plaza, Suite 325
Dallas, Texas 75260
(972) 490-7090



STATE OF TEXAS
COUNTY OF DALLAS

Before me, a notary public, on this day personally appeared Leonard J. Lueker, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office, this 22nd day of January, 2015.

Wm. Dennis Edwards
Notary Public in and for the State of Texas

10-31-2018
My Commission Expires On:



Approved for preparation of final plat for the subdivision shown on this plat.

APPROVED BY: Planning and Zoning Commission

Town of Bartonville, Texas
Signature of Chairman
Date 1/22/15

APPROVED BY: Town Council

Town of Bartonville, Texas
Signature of Mayor
Date 1/22/15

ATTEST:

Jenny Dutton
Town Secretary
Date 1/22/15



CERTIFICATE OF APPROVAL

Approved this 22nd day of January, 2015, by the Denton County Freshwater Supply District Number #7

Signature of District Engineer

Winkelmann & Associates, Inc.
B. B. & C. R.R. Co. SURVEY, ABSTRACT NO. 152, W. MCDANIEL SURVEY, ABSTRACT NO. 385 and the E. P. HOLMAN SURVEY, ABSTRACT NO. 645, DENTON COUNTY, TEXAS.
NEIGHBORLY PROPERTIES
8827 W. SAM HOUSTON PARKWAY N., SUITE 200
HOUSTON, TEXAS 77040

FINAL PLAT
DCFWS#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A

Date: 06/22/12
Scale: N/A
File #: 99402-FPLT
Project No.: 99402

SHRETT
OF

NOTICE: Selling a portion of this addition by metes and bounds is a violation of Town ordinance and State law, and is subject to fines and/or withholding of utilities and building permits.

FINAL PLAT
DCFWS#7 RETAIL CENTER ADDITION
LOTS 1-9, BLOCK A
21.251 ACRES OUT OF THE B. B. & C. R.R. CO. SURVEY, ABSTRACT NO. 152, THE W. MCDANIEL SURVEY, ABSTRACT NO. 385 AND THE E. P. HOLMAN SURVEY, ABSTRACT NO. 645
OWNER: KROGER TEXAS L.P., 1331 E. AIRPORT FREEWAY, IRVING, TEXAS 75062
ENGINEER / SURVEYOR: WINKELMANN & ASSOCIATES, INC., 6750 HILLCREST PLAZA DRIVE, SUITE 325 DALLAS, TEXAS 75230

Filed for Record in the official records of Denton County
On: Jan 27, 2015 at 02:13P
in the Public Records
DCFWS#7 RETAIL CENTER ADDITION
Per Subdiv 2015- 27
No of Pages: 3
Amount: 150.00
Receipt Number: 1247013
By: Carolee Robinson

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

GENERAL NOTES

- 1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THESE PLANS, THE DENTON COUNTY FRESH WATER SUPPLY DISTRICT #6 AND #7 STANDARDS AND NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS.
3. CONTRACTOR SHALL CONTACT ALL FRANCHISE UTILITY COMPANIES TO HAVE THEM LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION AND DEPTH OF ALL FRANCHISE UTILITY SERVICES AND ANY REQUIRED RELOCATION AND/OR EXTENSIONS. SERVICES SHOWN ON THE PLANS ARE CONCEPTUAL.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING RELOCATION AND INSTALLATION OF FRANCHISE UTILITIES NECESSARY FOR ON AND OFF SITE CONSTRUCTION.
5. BRACING OF UTILITY POLES MAY BE REQUIRED BY UTILITY COMPANIES WHEN TRENCHING OR EXCAVATION IS IN CLOSE PROXIMITY TO THE POLES. THE COST OF BRACING POLES WILL BE BORNE BY THE CONTRACTOR. THERE IS NO SEPARATE PAY ITEM FOR THIS WORK. THE COST IS INCIDENTAL TO THE VARIOUS PAY ITEMS FOR INSTALLATION OF PIPE.
6. THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES SHOWN ON THE PLANS WERE OBTAINED FROM AVAILABLE UTILITY COMPANY RECORDS AND PLANS AND ARE CONSIDERED APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ADJACENT AND/OR CONFLICTING UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT ADJUSTMENTS CAN BE MADE TO PROVIDE ADEQUATE CLEARANCES. THE CONTRACTOR SHALL PRESERVE AND PROTECT PUBLIC AND PRIVATE UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY DAMAGE TO UTILITIES RESULTING FROM CONTRACTOR'S OPERATIONS SHALL BE RESTORED AT THEIR EXPENSE. THE ENGINEER SHALL BE NOTIFIED WHEN PROPOSED FACILITY GRADES CONFLICT WITH EXISTING UTILITY GRADES.
7. CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER LINES.
8. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS SHOWN ON THE PLANS AND REVIEW ALL FIELD CONDITIONS, INCLUDING EXISTING GRADES AND UTILITY FLOW LINES, AND SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
9. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY, INCLUDING, BUT NOT LIMITED TO FENCES, WALLS, PAVEMENT, GRASS, TREES, LAWN SPRINKLER AND IRRIGATION SYSTEMS AT NO COST TO THE OWNER. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT (UNLESS OTHERWISE NOTED) AND IS NOT A SEPARATE PAY ITEM.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE APPROVED CONTRACT DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS, COPIES OF ANY REQUIRED CONSTRUCTION PERMITS, EROSION CONTROL PLANS, SWPPP AND INSPECTION REPORTS.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN NEAT AND ACCURATE CONSTRUCTION RECORD PLANS.
13. CONNECTIONS TO EXISTING FACILITIES SHALL BE ACCOMPLISHED IN A NEAT AND PROFESSIONAL MANNER. WHEN FIELD CONDITIONS INDICATE ANY VARIANCE FROM DETAILED METHODS, THE CONTRACTOR SHALL PROVIDE COMPREHENSIVE AND DETAILED DRAWINGS (FOR APPROVAL) OF METHODS PROPOSED.
14. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER. NO CONSIDERATION WILL BE GIVEN TO CHANGE ORDERS FOR WHICH THE OWNER AND ENGINEER WERE NOT CONTACTED PRIOR TO CONSTRUCTION OF THE AFFECTED ITEM.
15. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
16. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO THE FINAL CONNECTION OF SERVICES.
17. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
18. ALL HORIZONTAL DIMENSIONS GIVEN ARE TO FACE OF CURB AND TO PIPE CENTERLINES, UNLESS OTHERWISE NOTED ON PLANS.
19. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING. CONSTRUCTION STAKING SHALL BE PERFORMED BY A REGISTERED PUBLIC SURVEYOR IN THE STATE OF TEXAS.
20. THE CONTRACTOR SHALL TOPSOIL, SEED AND FERTILIZE ALL AREAS DISTURBED BY CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE WHATEVER MEASURES ARE NEEDED INCLUDING TEMPORARY IRRIGATION TO ENSURE FULL COVERAGE OF GRASSING. UNLESS OTHERWISE NOTED, PRIVATE LAWN AREAS AND PARKWAYS IN FRONT OF PRIVATE LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLACED WITH BLOCK SOD OF A SIMILAR GRASS TO THAT EXISTING. ALL SEEDED OR SODDED AREAS SHALL RECEIVE SIX(6) INCHES OF TOPSOIL. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
21. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE SEEDED, IRRIGATED, AND STABILIZED AS SPECIFIED IN THE PLANS, AND MAINTAINED UNTIL SOIL IS STABILIZED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. ALL EARTHEN AREAS WILL BE STABILIZED AND MULCHED AS SHOWN ON THE LANDSCAPE, GRADING, AND EROSION CONTROL PLANS.
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
23. SOD MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID CHARGES.
24. CONTRACTOR IS TO CONSTRUCT A STABILIZED CONSTRUCTION EXIT AT ALL PRIMARY POINTS OF ACCESS. THIS STABILIZED EXIT SHALL BE CONSTRUCTED PER N.C.T.C.O.G STANDARDS.
25. CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE SWPPP MUST BE MADE READILY AVAILABLE AT THE TIME OF AN ON-SITE INSPECTION TO: THE EXECUTIVE DIRECTOR, A FEDERAL, STATE, OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, GRADING PLANS, OR STORMWATER MANAGEMENT PLANS; LOCAL GOVERNMENT OFFICIALS; AND THE OPERATOR OF A MUNICIPAL SEPARATE STORM SEWER (MS4) RECEIVING DISCHARGES FROM THE SITE.
26. ANY ENTITY THAT MEETS THE DEFINITION OF A "PRIMARY OPERATOR" FOR A LARGE CONSTRUCTION ACTIVITY (FIVE OR MORE ACRES) SHALL BE RESPONSIBLE FOR COMPLETING AND SUBMITTING A NOTICE OF INTENT (NOI) AND A NOTICE OF TERMINATION (NOT) WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).
27. THE CONTRACTOR MUST CONSTRUCT AND MAINTAIN A PERMANENT STABLE PROTECTIVE COVER (GRASS) FOR EROSION AND SEDIMENT CONTROL ON ALL LAND SURFACES EXPOSED OR DISTURBED BY CONSTRUCTION OF THE PERMITTED PROJECT. THE PROTECTIVE COVER MUST BE INSTALLED WITHIN FOURTEEN DAYS AFTER FINAL GRADING OF THE AFFECTED LAND SURFACE. A PERMANENT STABLE COVER MUST BE ESTABLISHED WITHIN 60 DAYS OF ITS INSTALLATION.
28. UPON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE AS-BUILT PLANS IDENTIFYING ALL DEVIATIONS OR VARIATIONS OF ORIGINAL PLANS. AS-BUILT PLANS ARE SUBSIDIARY TO ALL OTHER BID ITEMS AND SHALL NOT BE PAID FOR AS A SEPARATE LINE ITEM.
29. DURING CONSTRUCTION, ALL MATERIAL TESTING SHALL BE COORDINATED WITH THE CITY OF BARTONVILLE CONSTRUCTION INSPECTOR THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE CITY STANDARD SPECIFICATIONS. ALL SOILS TESTING IS THE RESPONSIBILITY OF AND WILL BE PAID FOR BY THE CONTRACTOR. MATERIAL TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY.
30. ALL EXISTING TRAFFIC AND STREET SIGNS DISTURBED SHALL BE REINSTALLED WHERE APPLICABLE BY THE CONTRACTOR.
31. ALL EXISTING SHRUBS, TREES, PLANTING, AND OTHER VEGETATION, OUTSIDE OF PROPERTY LIMITS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH EQUIVALENT MATERIAL BY THE CONTRACTOR AT NO ADDITIONAL COST.
32. THE CONTRACTOR SHALL SALVAGE AND PROTECT ALL EXISTING POWER POLES, SIGNS, MANHOLES, TELEPHONE RISERS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES.
33. CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS OFFSITE FROM THE EXISTING ROADWAYS AND PROJECT SITE THAT ARE A RESULT OF THE PROPOSED CONSTRUCTION AS REQUESTED BY THE CITY OF BARTONVILLE AND THE LANTANA WATER DISTRICT. AT A MINIMUM, THIS TASK SHOULD OCCUR ONCE A WEEK.
34. WATER SHALL NOT BE PERMITTED IN OPEN TRENCHES DURING CONSTRUCTION.
35. CONTRACTOR SHALL CONTACT THE DESIGNATED CONSTRUCTION INSPECTOR ASSIGNED TO THIS PROJECT AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A TRENCH SAFETY PLAN TO THE CITY OF BARTONVILLE AT THE TIME OF THE PRECONSTRUCTION MEETING, OR PRIOR TO BEGINNING CONSTRUCTION OF THESE IMPROVEMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRENCH SAFETY REQUIREMENTS IN ACCORDANCE WITH CITY STANDARDS, TEXAS STATE LAW, AND O.S.H.A. STANDARDS FOR ALL EXCAVATION IN EXCESS OF FIVE FEET IN DEPTH. NO OPEN TRENCHES WILL BE ALLOWED OVERNIGHT WITHOUT THE PRIOR SPECIFIC WRITTEN APPROVAL OF THE CITY OF BARTONVILLE, OR DESIGNATED REPRESENTATIVE. ON-SITE SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
37. CONTRACTOR TO REVIEW DESIGN INTENT OF THESE PLANS AND SUBMIT REQUESTS-FOR-INFORMATION IN A TIMELY MANNER PRIOR TO COMMENCING THAT WORK.
38. ALL APPURTENANCES INSTALLED IN PAVEMENT AREAS SHALL BE ADJUSTED AS REQUIRED TO BE FLUSH WITH FINISHED PAVEMENT.
39. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR COMPLETING AND IMPLEMENTING TRAFFIC CONTROL PLAN.

PAVING & STRIPING NOTES

- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, CITY OF BARTONVILLE, TX AND LANTANA WATER DISTRICT STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
2. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE NOMINATION OF THE TESTING LABORATORY AND THE PAVEMENT OF SUCH TESTING SERVICES SHALL BE MADE BY THE CONTRACTOR. THE OWNER SHALL APPROVE THE LABORATORY NOMINATED TO DO THE TESTING OF MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND THESE PLANS.
3. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT ALL DRIVEWAY APPROACHES PER CITY STANDARDS.
4. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
5. CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS FOR FIRE LANES, PARKING STALLS, HANDICAPPED PARKING SYMBOLS, AND MISCELLANEOUS STRIPING WITHIN PARKING LOT AND AROUND BUILDING AS SHOWN ON THE PLANS. ALL PAINT FOR PAVEMENT MARKINGS SHALL ADHERE TO SECTION 2.9.0 OF THE N.C.T.C.O.G. STANDARD SPECIFICATIONS UNDER "TRAFFIC PAINT".
6. REFER TO GEOTECHNICAL REPORT FOR PAVING JOINT LAYOUT PLAN.
7. REFER TO GEOTECHNICAL REPORT FOR REINFORCEMENT STEEL.
8. REFER TO GEOTECHNICAL REPORT FOR SOIL COMPACTION SPECIFICATION.
9. FIRE LANES SHALL BE DESIGNATED BY CONTINUOUS PAINTED LINES FOUR (4) INCHES IN WIDTH ON EACH SIDE OF THE FIRE LANE STARTING AT THE ENTRANCE FROM THE STREET AND TO BE CONTINUED TO THE EXIT. SUCH LINES SHALL BE BRIGHT RED IN COLOR.
10. FIRE LANES ADJACENT TO CURBS SHALL BE OUTLINED BY A FOUR (4) INCH WIDE STRIP PAINTED BRIGHT RED IN COLOR ALONG THE CURB'S GUTTER LINE.
11. THE WORDS "FIRE LANE" AND "NO PARKING" SHALL BE STENCILED IN FOUR (4) INCH HIGH WHITE LETTERS ALTERNATELY EVERY FIFTEEN (15) FEET ALONG THE RED FIRE LANE STRIPES.
12. ALL HANDICAP RAMPING, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO THE AMERICANS WITH DISABILITIES ACT THAT IS MOST CURRENT.
13. REFERENCE LANDSCAPE PLANS FOR LOCATION AND TYPE OF HANDICAP RAMPS TO BE PROVIDED AND FOR FLATWORK.
14. CONTRACTOR RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY CITY OF BARTONVILLE, TX OF TRAFFIC CONTROL PLAN PRIOR TO START OF CONSTRUCTION.
15. SIDEWALKS ADJACENT TO CURB SHALL BE CONNECTED TO BACK OF CURB USING LONGITUDINAL BUTT JOINT.
16. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE LOCATED OUT OF THE PEDESTRIAN AND AUTOMOBILE ROUTES AND SHALL BE LOCATED BETWEEN THREE TO FIVE FEET BEHIND THE NEAREST BACK OF CURB. SIGN HEIGHT, LOCATION, AND STRUCTURE SHALL BE SUCH THAT THE SIGNS POSE NO THREAT TO PUBLIC SAFETY.
17. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY, ON-SITE AND OTHER DIRECTIONAL SIGNS SHALL BE ORIENTED SO THEY ARE READILY VISIBLE TO THE ONCOMING TRAFFIC FOR WHICH THEY ARE INTENDED, FIELD ADJUSTMENTS OF LOCATION AND ORIENTATION OF THE SIGNS ARE TO BE MADE TO ACCOMPLISH THIS.
18. THE CONTRACTOR FOR THE PROJECT SHALL NOT PLACE ANY PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, OR ANY OTHER UNDERGROUND UTILITY HAS BEEN INSTALLED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACEMENT OF PERMANENT PAVEMENT.
19. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. & T.A.S) EXIST TO AND FROM EVERY DOOR. IN NO CASE SHALL HANDICAP RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A. AND T.A.S. COMPLIANCE ISSUES.
20. CONTRACTOR TO INSTALL CONSTRUCTION JOINTS IN CONCRETE PAVEMENT AT ALL PCS AND AS CONVENIENT TO PHASING OF POURS, WITH EXPANSION JOINTS EVERY 150 FEET IN BOTH DIRECTIONS AND SAWED JUMMNY JOINTS EVERY 15 FEET IN BOTH DIRECTIONS.
21. FIRE LANES SHALL REMAIN OPEN/ACCESSIBLE AT ALL TIMES DURING CONSTRUCTION; FIRE LANE SHALL BE INSTALLED & ACCEPTED BY THE CITY PRIOR TO ANY CONSTRUCTION ABOVE THE FOUNDATION.
22. ALL CONCRETE FOR PAVING SHALL BE AIR ENTRAINED WITH A TOTAL AIR CONTENT OF 4.5% PLUS OR MINUS 1.5%.

GRADING NOTES

- 1. ALL CONSTRUCTION SHALL BE IN GENERAL ACCORDANCE WITH THESE PLANS, LANTANA WATER DISTRICT, N.C.T.C.O.G. STANDARD SPECIFICATIONS, THE FINAL GEOTECHNICAL REPORT, AND COMMONLY ACCEPTED CONSTRUCTION STANDARDS.
2. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREAS REFLECT TOP OF PAVEMENT SURFACE. ADD .50' TO PAVING GRADE FOR TOP OF CURB GRADE. THE LIMITS OF EARTHWORK IN PAVED AREAS IS THE BOTTOM OF PAVEMENT.
3. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL USE SILT FENCES (OR OTHER METHODS APPROVED BY THE ENGINEER AND CITY) AS REQUIRED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL EROSION, CONSERVATION, AND SILTATION REQUIREMENTS. CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL DEVICES UPON COMPLETION OF PERMANENT DRAINAGE FACILITIES AND THE ESTABLISHMENT OF A STAND OF GRASS OR OTHER GROWTH TO PREVENT EROSION. CONTRACTOR IS RESPONSIBLE FOR FILING N.O.I. AND N.O.T. WITH THE TCEQ. CONTRACTOR SOLELY RESPONSIBLE FOR ALL MANDATED SWPPP RECORD KEEPING AND REPORTING.
4. ALL EXCAVATING IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED. UNUSABLE EXCAVATED MATERIAL AND ALL WASTE RESULTING FROM SITE CLEARING AND GRUBBING SHALL BE DISPOSED OF OFF SITE BY THE GRADING CONTRACTOR AT HIS EXPENSE.
5. BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF PAVEMENT AND OTHER ITEMS ESTABLISHED BY THE PLANS. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ENGINEERING AND SURVEYING FOR LINE AND GRADE CONTROL POINTS RELATED TO EARTHWORK.
6. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS AND GEOTECHNICAL REPORT FOR BUILDING PAD AND PAVING SUBGRADE INFORMATION.
7. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE COMPACT AND MOISTURE CONDITION ALL FILL FOR THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS. THE FILL MATERIAL TO BE USED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT.
8. GRADING CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES FOR ANY REQUIRED UTILITY ADJUSTMENTS AND/OR RELOCATIONS.
9. TESTING OF MATERIALS REQUIRED FOR THE CONSTRUCTION OF THE PAVING IMPROVEMENTS SHALL BE PERFORMED BY AN APPROVED AGENCY FOR TESTING MATERIALS. THE NOMINATION OF THE TESTING LABORATORY AND THE PAYMENTS FOR SUCH TESTING SERVICES SHALL BE MADE BY THE CONTRACTOR. THE OWNER SHALL APPROVE THE LABORATORY NOMINATED TO DO THE TESTING OF MATERIALS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW BY STANDARD TESTING PROCEDURES THAT THE WORK CONSTRUCTED DOES MEET THE REQUIREMENTS OF THE CITY'S SPECIFICATIONS AND THESE PLANS.
10. PROPOSED CONTOURS ARE APPROXIMATE. PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY.
11. REFER TO SITE PLAN AND/OR DIMENSION CONTROL PLAN AND FINAL PLAT FOR HORIZONTAL DIMENSIONS.
12. REFER TO EROSION CONTROL PLAN FOR EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION.
13. NO TREE SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION OF THE OWNER OR OWNER'S REPRESENTATIVE. EXISTING TREES SHALL BE PRESERVED WHENEVER POSSIBLE.
14. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES BEFORE CONSTRUCTION COMMENCES.
15. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.

STORM SEWER NOTES

- 1. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION AND SHALL NOTIFY THE CONSTRUCTION MANAGER AND ENGINEER OF ANY CONFLICTS DISCOVERED. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES (SHOWN OR NOT SHOWN) WITHIN SCOPE OF CONSTRUCTION. IF ANY EXISTING UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
2. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF CURB INLETS AND GRATE INLETS AND ALL UTILITIES CROSSING THE STORM SEWER.
3. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER.
4. THE INSPECTOR SHALL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
5. ALL PVC TO RCP CONNECTIONS SHALL BE CONSTRUCTED WITH CONCRETE COLLARS.
6. ALL OFFSITE STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP. ONSITE STORM SEWER LINES 18" AND GREATER MAY BE CLASS III RCP. ALL PRIVATE STORM SHALL BE NOTED AS ON PLANS. CONTRACTOR TO CONTACT ENGINEER WITH QUESTIONS ABOUT PIPE MATERIAL PRIOR TO ORDERING. IF USING HDPE, CONTRACTOR SHALL SUBMIT TECHNICAL DATA TO PROJECT ENGINEER AND CITY ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIAL.
7. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND ANY SPECIAL PROVISION AS APPROVED BY THE CITY OF BARTONVILLE, TX.
8. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL STORM SEWER LINES AND OTHER UTILITIES.
9. EMBEDMENT FOR ALL ONSITE SEWER LINES, PUBLIC OR PRIVATE, SHALL BE PER N.C.T.C.O.G. STANDARD DETAILS.
10. REFER TO TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR ALL UTILITY CROSSINGS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND IMPLEMENTING A TRENCH PROTECTION PLAN FOR ALL OPEN TRENCH EXCAVATION.
12. USE 4 FOOT JOINTS WITH BEVELED ENDS IF RADIUS OF STORM SEWER IS LESS THAN 100 FEET.
13. ALL PRIVATE LANDSCAPE AREA DRAINS SHALL BE OF MATERIAL APPROVED BY BOTH ENGINEER AND LANDSCAPE ARCHITECT.

WATER AND SANITARY SEWER NOTES

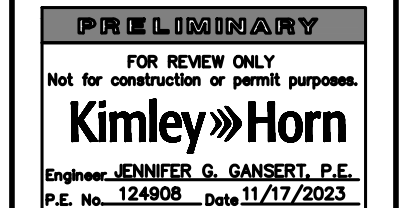
- 1. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE N.C.T.C.O.G. STANDARDS AND DETAILS.
2. WATER MAINS SHALL BE PVC C-900 DR 14, EXCEPT WHEN OTHERWISE NOTED.
3. SEWER PIPE SHALL BE MINIMUM SDR 35 PVC OR ULTRA RIB PVC SDR 26.
4. WATER MAINS SHALL HAVE THE FOLLOWING MINIMUM COVER BELOW STREET GRADES:
SIZE COVER
6" 4.0'
8" 4.0'
10" 4.0'
12" 4.0'
LARGER AS SHOWN ON PLANS
5. PLASTIC TAPE FOR UTILITY SERVICES SHALL BE ATTACHED TO THE ENDS OF ALL WATER AND SEWER SERVICE LINES AND EXTEND ABOVE GROUND LEVEL. THE TAPE SHALL MEET THE FOLLOWING SPECIFICATION:
A. "NCTCOG MARKING TAPE" OR APPROVED EQUAL.
B. ROLL MARKED CONTINUOUSLY, "CAUTION WATER LINE" OR "CAUTION SEWER LINE".
C. SIX (6) INCHES IN WIDTH.
D. RED TAPE FOR SEWER SERVICES.
E. BLUE TAPE FOR WATER SERVICES.
6. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY EXACT LOCATIONS OF EXISTING PUBLIC AND PRIVATE UTILITIES AND SERVICES PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL CALL 811 FOR FIELD LOCATION OF EXISTING UTILITIES. CALL AT LEAST 48 HOURS BEFORE LOCATIONS ARE NEEDED. NOTE THAT THE DIG TESS SERVICE DOES NOT LOCATE ALL UTILITIES. ONLY THOSE REGISTERED WITH THE SERVICE.
7. REFER TO SITE GRADING PLANS, PAVING PLANS, AND LANDSCAPE PLANS FOR FINAL GRADES FOR DETERMINING PROPOSED MANHOLE RIM ELEVATIONS.
8. LOCATIONS AND SIZES OF EXISTING PUBLIC AND PRIVATE UTILITIES SHOWN ON THESE PLANS ARE FOR CITY AND UTILITY COMPANY RECORDS ONLY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING ALL UTILITIES AND FOR DAMAGES RESULTING FROM FAILURE TO DO SO.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "RECORD" PLANS TO THE ENGINEER SHOWING THE LOCATION OF WATER AND SEWER SERVICES AND ANY DEVIATIONS FROM PLANS MADE DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN, COORDINATING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING AND/OR CROSSING OTHER UTILITIES.
11. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE FIVE (5) FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE.
12. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PUBLIC PIPE, STRUCTURES, AND FITTINGS SHALL BE INSPECTED BY THE CITY INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
13. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN, SEALED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL TRENCHES DEEPER THAN FIVE (5) FEET.
14. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAKING FOR ALL WATER AND SANITARY SEWER LINES AND OTHER UTILITIES.
15. REFER TO TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR ALL UTILITY CROSSINGS.
16. CONTRACTOR TO SEQUENCE CONSTRUCTION AS TO AVOID INTERRUPTION OF WATER OR SANITARY SEWER SERVICE TO SURROUNDING AREAS.
17. EXISTING MANHOLE TOPS, VALVE BOXES, ETC. ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED GRADES.
18. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF TWO (3) FEET AND A MAXIMUM OF SIX (6) FEET BEHIND THE CURB LINE OF FIRE LANE AND STREET. ALL FIRE HYDRANTS SHALL BE MUELLER CENTURION.
19. ANY WATER OR SANITARY SEWER SERVICE LOCATED OUTSIDE OF A STREET, ALLEY OR EASEMENT SHALL BE INSTALLED BY A PLUMBER AND BE INSPECTED BY A LANTANA PLUMBING INSPECTOR.

ANY DISCREPANCIES BETWEEN THE GENERAL NOTES ON THIS SHEET AND THE CITIES GENERAL NOTES, SPECIFICATIONS, OR STANDARD DETAILS SHALL BE WHICHEVER IS MORE RESTRICTIVE AS DETERMINED BY THE CITY INSPECTOR.

UTILITY CONTACTS table with columns for company name, contact name, and phone number. Includes COSERV ELECTRIC, ASTOUND, FRONTIER, COSERV GAS.



801 CHERRY ST. UNIT 11, SUITE 1300 FORT WORTH, TEXAS 76102 PHONE: 817-356-6611 FAX: 817-356-5070 TEXAS REGISTERED ENGINEERS FROM 1988

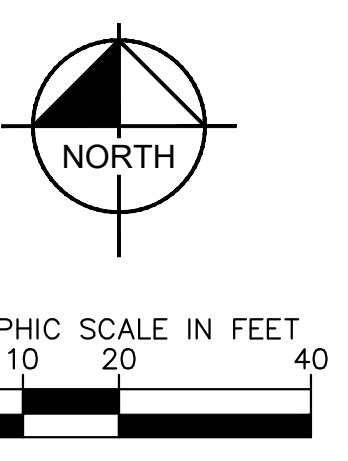


PROJECT, DATE, SCALE, DESIGNED BY, DRAWN BY, CHECKED BY table with values: PROJECT No. 061338300, DATE: NOV. 2023, SCALE: AS SHOWN, DESIGNED BY: EGB, DRAWN BY: EGB, CHECKED BY: JGG

ANDY'S LANTANA

GENERAL NOTES

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LEGEND	
	527 EXISTING CONTOUR
	FULL DEPTH SAWCUT
	EXISTING PAVEMENT TO BE REMOVED

- ### DEMOLITION NOTES
- CONTRACTOR SHALL SECURE ALL PERMITS REQUIRED FOR DEMOLITION AND SHALL NOTIFY ALL RESPECTIVE GOVERNMENTAL AND UTILITY AGENCIES AFFECTED BY DEMOLITION PRIOR TO STARTING DEMOLITION.
 - ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION. COPIES OF OSHA STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. INFORMATION AND RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA.
 - PRIOR TO DEMOLITION, PROPER PHASING OF EROSION CONTROL DEVICES ARE TO BE INSTALLED.
 - SHOULD REMOVAL AND/OR RELOCATION ACTIVITIES DAMAGE FENCING, LIGHTING, STORM INLET STRUCTURES OR ANY OTHER APPURTENANCE, THEN THE CONTRACTOR SHALL PROVIDE NEW MATERIALS/STRUCTURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 - ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE IN ACCORDANCE WITH ALL APPLICABLE RULES AND REGULATIONS.
 - ALL BARRICADES AND WARNING SIGNS SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ARE GENERALLY LOCATED TO AFFORD MAXIMUM PROTECTION TO THE PUBLIC AS WELL AS CONSTRUCTION PERSONNEL AND EQUIPMENT AND TO ASSURE AN EXPEDITIOUS TRAFFIC FLOW AT ALL TIMES. DURING THE PROGRESS OF WORK, THE CONTRACTOR SHALL PROVIDE ACCESS FOR LOCAL TRAFFIC.
 - CONTRACTOR MAY LIMIT SAW CUT & PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL, REPLACEMENT, AND/OR REPAIR.
 - ALL PAVING AND CURB TO BE REMOVED ARE TO BE REMOVED USING FULL-DEPTH SAWCUT 2' OFF EXISTING BACK OF CURB.
 - ANY ADDITIONAL CONCRETE PAVING, FOOTINGS OR STRUCTURES NOT IDENTIFIED ON THIS PLAN SHALL BE LOCATED BY CONTRACTOR AND SUBMITTED TO ENGINEER FOR APPROVAL.
 - CONTRACTOR SHALL EXERCISE EXTREME CAUTION AS SITE CONTAINS PRIVATE AND PUBLIC UTILITIES. CONTRACTOR SHALL CALL 811 "CALL BEFORE YOU DIG" AT LEAST 72 HOURS PRIOR TO COMMENCING DEMOLITION OR CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTACT ANY OTHER UTILITY COMPANIES WHO DO NOT SUBSCRIBE TO THE 811 "CALL BEFORE YOU DIG" PROGRAM FOR LINE MARKINGS. THE CONTRACTOR BEARS SOLE RESPONSIBILITY FOR VERIFYING LOCATIONS OF EXISTING UTILITIES, SHOWN OR NOT SHOWN, AND FOR REPAIRING ANY DAMAGE DONE TO THESE FACILITIES.
 - ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND GAS LINES REQUIRED TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ROAD RIGHT OF WAYS DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE FIRE DEPT. AND THE CITY UTILITY DEPT. TO PLAN PROPOSED IMPROVEMENTS AND TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE EXISTING BUILDING. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED.

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
FORT WORTH, TEXAS 76102
PHONE: 817-356-6511 FAX: 817-356-5070
TEXAS REGISTERED ENGINEERING FIRM F-928

FOR REVIEW ONLY
Not for construction or permit purposes.

Kimley»Horn
Engineer: JENNIFER G. GANSELT, P.E.
P.E. No. 124908 - Duly 11/17/2023

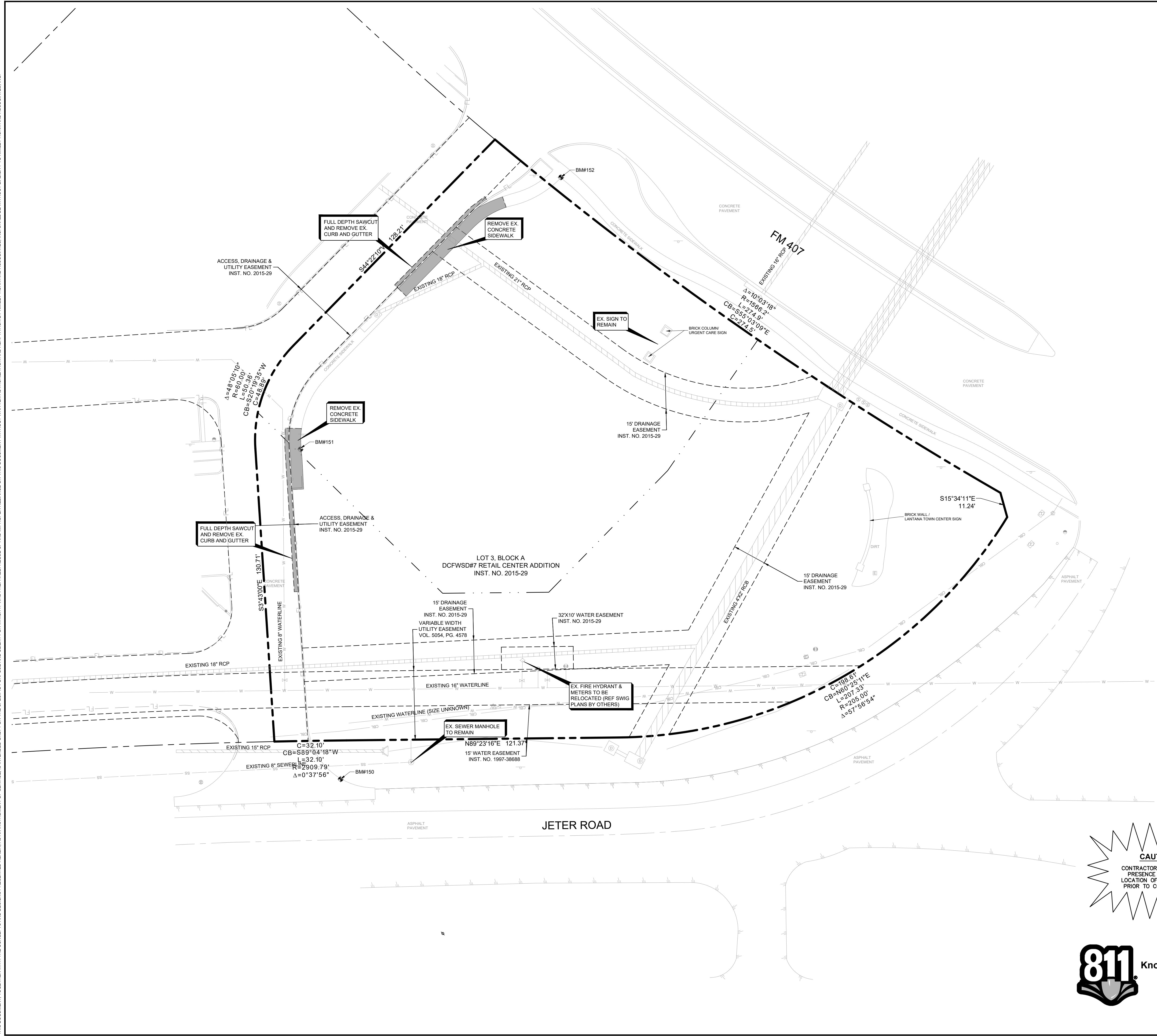
PROJECT No.	061338300
DATE:	NOV. 2023
SCALE:	AS SHOWN
DESIGNED BY:	EGB
DRAWN BY:	EGB
CHECKED BY:	JGG

ANDY'S LANTANA

DEMOLITION PLAN

SHEET NUMBER
C-02

PLOTS BY: BUCKETT, DANA 11/21/2023 3:59 PM
 LAST SAVER: 11/20/23 10:23 AM
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CAUTION!!
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BENCH MARK LIST

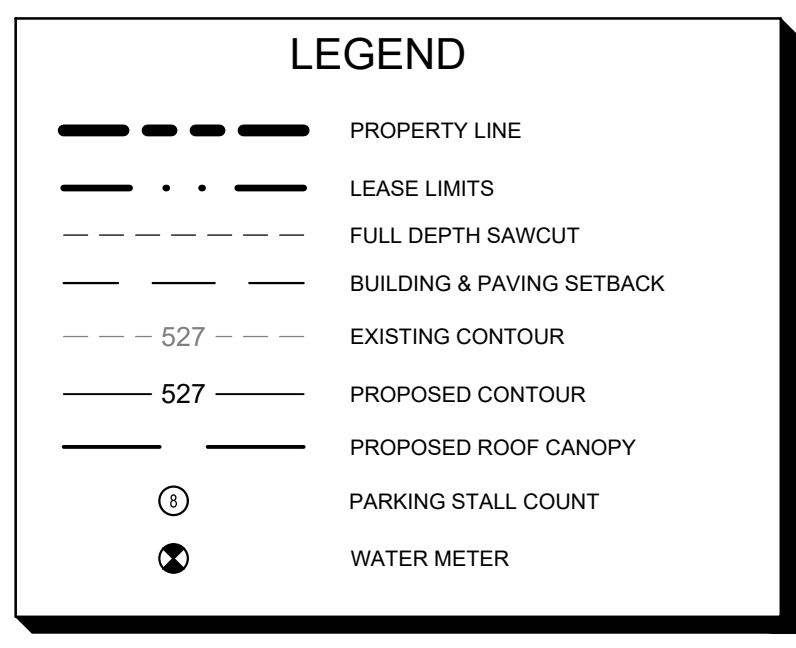
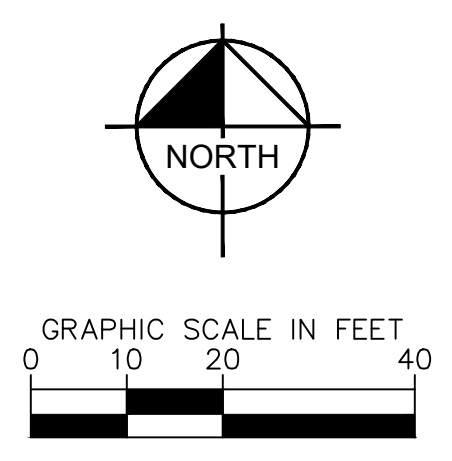
NOTES:
The bearing system for this survey is based on the Texas Coordinate System of 1983, North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.

BM#150 - AN "X" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE. 102± SOUTHEAST OF THE SOUTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.
ELEV: 667.69

BM#151 - AN "X" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE. 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE.
ELEV: 665.66

BM#152 - AN "X" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.
ELEV: 664.69

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- ### KEY NOTES
- 1 EXISTING 6" CURB.
 - 2 CONNECT TO EXISTING CURB
 - 3 PROPOSED ACCESSIBLE ADA PARKING STALLS. SEE PAVING DETAILS SHEET (TYP.)
 - 4 PROPOSED ADA SIGNS. REFERENCE DETAILS (TYP.)
 - 5 PROPOSED 4" WHITE PAINTED PARKING STALL STRIPING (TYP.)
 - 6 PROPOSED 4" WHITE PAINTED TRAFFIC STRIPES @ 45° SPACED AT 2.0' O.C. SEE PAVING DETAILS SHEET (TYP.)
 - 7 SAWCUT 1.5' AND CONNECT TO EXISTING CONCRETE PAVEMENT. CONSTRUCT LONGITUDINAL BUTT JOINT (SEE PAVING DETAILS SHEET) AND MATCH EXISTING PAVEMENT ELEVATION
 - 8 PROPOSED SIDEWALK
 - 9 PROPOSED LANDSCAPE AREA. SEE LANDSCAPE PLANS FOR DETAILS.
 - 10 PROPOSED 6" CURB. SEE CONSTRUCTION DETAILS SHEET (TYP.)
 - 11 TRANSITION CURB FROM 6" TO 0"
 - 12 PROPOSED CURB RAMP. SEE CONSTRUCTION DETAILS SHEET (TYP.)
 - 13 PROPOSED WHEEL STOPS
 - 14 NO CURB
 - 15 PROPOSED FLAG POLE REF ARCH PLANS
 - 16 PROPOSED LIGHTING REF MEP PLANS
 - 17 PROPOSED LOOP DETECTOR REF MEP PLANS
 - 18 PROPOSED GREASE TRAP REF MEP PLANS

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM F-928

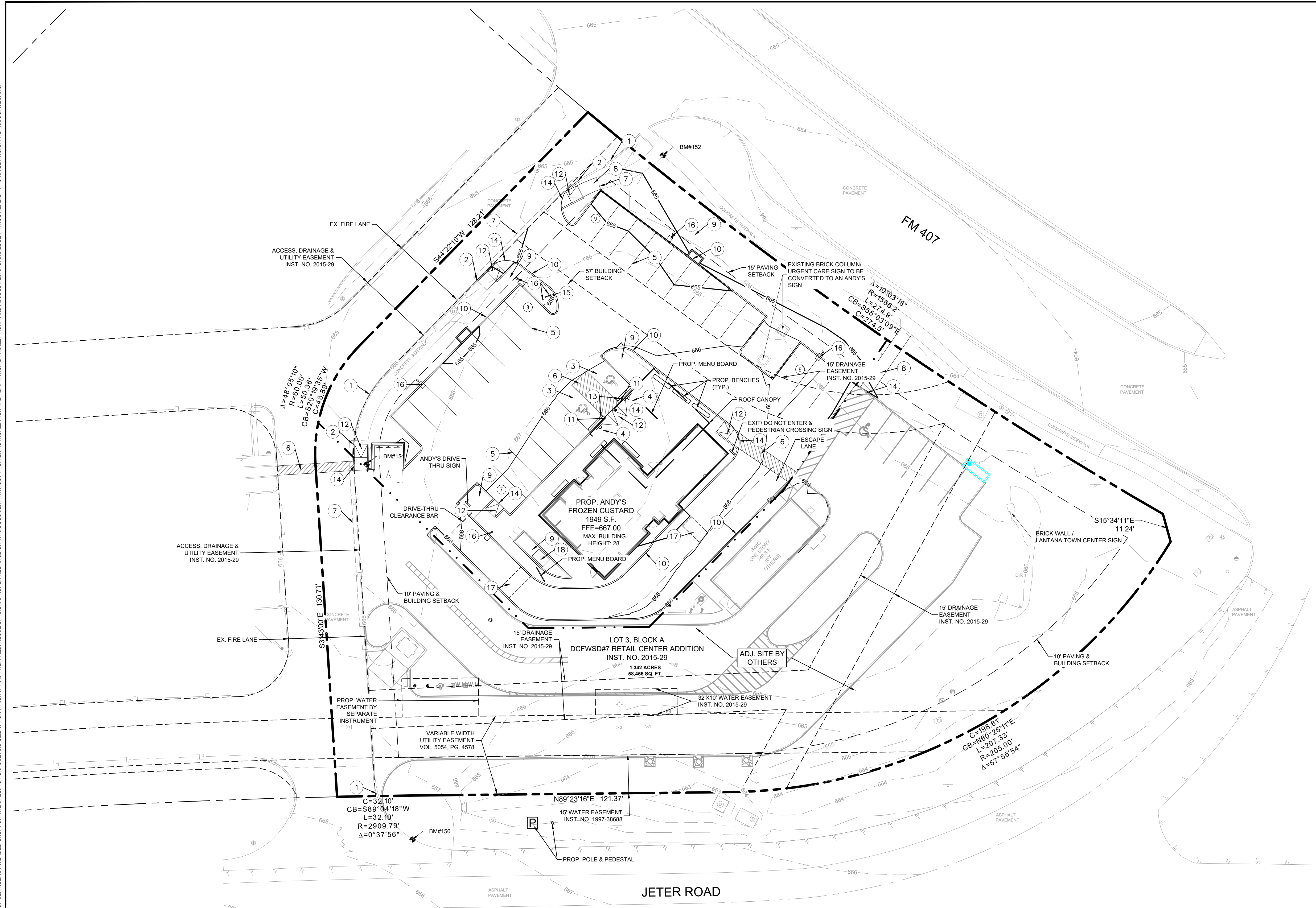
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Kimley»Horn
 Engineer: JENNIFER G. GANSERT, P.E.
 P.E. No. 124908 Date: 11/17/2023

PROJECT NO.	NOV. 2023
DATE:	AS SHOWN
SCALE:	EGG
DESIGNED BY:	EGG
DRAWN BY:	JGG
CHECKED BY:	

ANDY'S LANTANA

SITE PLAN

SHEET NUMBER
C-03



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



BENCH MARK LIST

NOTES:

The bearing system for this survey is based on the Texas Coordinate System of 1983, North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.

BM#150 - AN "4" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE. 102± SOUTHWEST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.
ELEV: 667.69

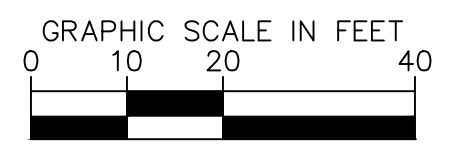
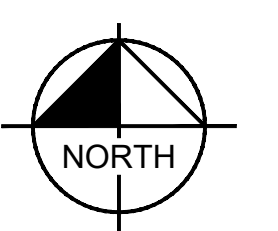
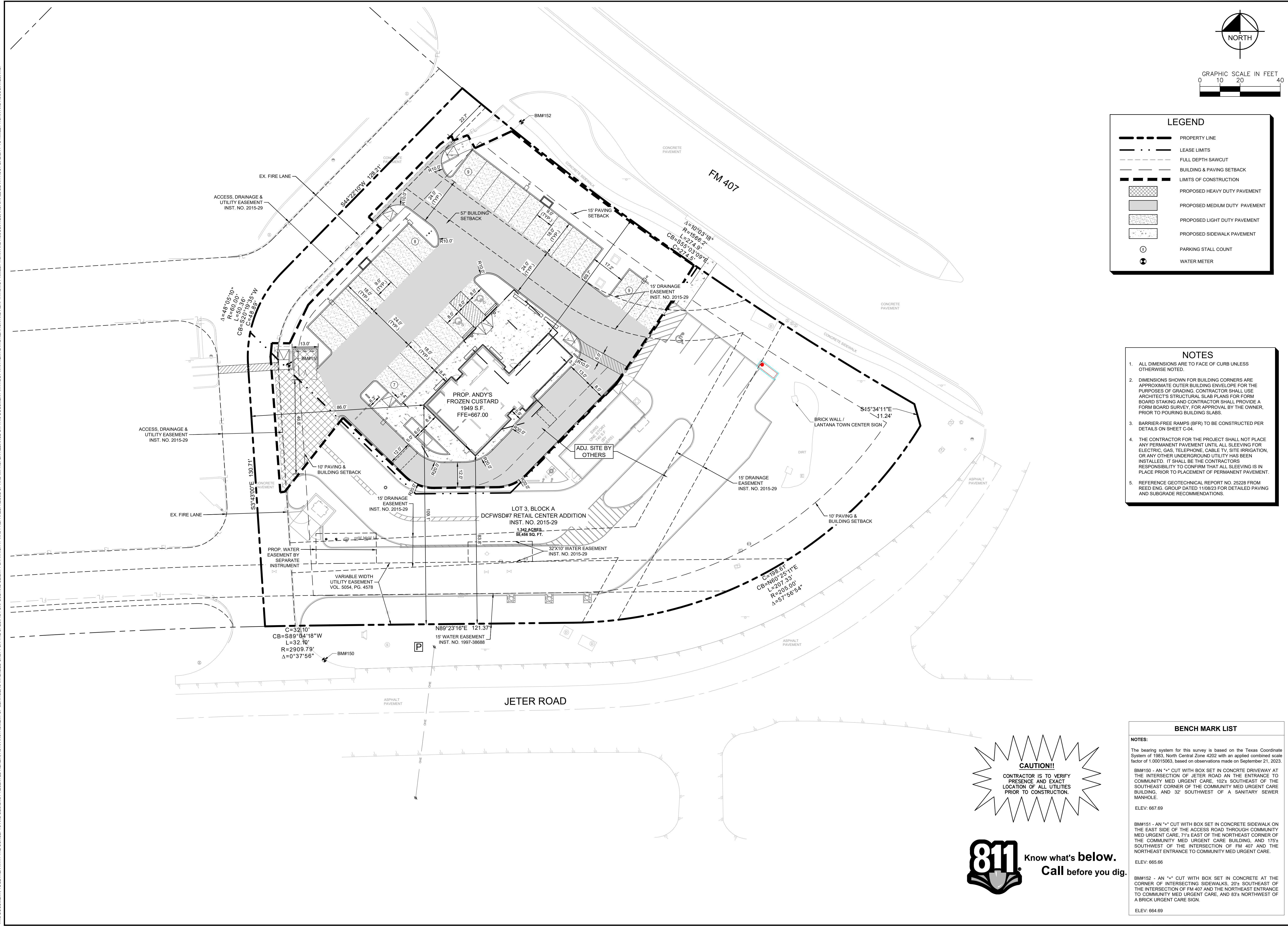
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ELEV: 665.66

BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.
ELEV: 664.69

PLOTS BY: GANSERT, JENNIFER G. 11/17/2023 12:53 PM
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LEGEND	
	PROPERTY LINE
	LEASE LIMITS
	FULL DEPTH SAWCUT
	BUILDING & PAVING SETBACK
	LIMITS OF CONSTRUCTION
	PROPOSED HEAVY DUTY PAVEMENT
	PROPOSED MEDIUM DUTY PAVEMENT
	PROPOSED LIGHT DUTY PAVEMENT
	PROPOSED SIDEWALK PAVEMENT
	PARKING STALL COUNT
	WATER METER

- NOTES**
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 - DIMENSIONS SHOWN FOR BUILDING CORNERS ARE APPROXIMATE OUTER BUILDING ENVELOPE FOR THE PURPOSES OF GRADING. CONTRACTOR SHALL USE ARCHITECT'S STRUCTURAL SLAB PLANS FOR FORM BOARD STAKING AND CONTRACTOR SHALL PROVIDE A FORM BOARD SURVEY, FOR APPROVAL BY THE OWNER, PRIOR TO POURING BUILDING SLABS.
 - BARRIER-FREE RAMPS (BFR) TO BE CONSTRUCTED PER DETAILS ON SHEET C-04.
 - THE CONTRACTOR FOR THE PROJECT SHALL NOT PLACE ANY PERMANENT PAVEMENT UNTIL ALL SLEEVING FOR ELECTRIC, GAS, TELEPHONE, CABLE TV, SITE IRRIGATION, OR ANY OTHER UNDERGROUND UTILITY HAS BEEN INSTALLED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THAT ALL SLEEVING IS IN PLACE PRIOR TO PLACEMENT OF PERMANENT PAVEMENT.
 - REFERENCE GEOTECHNICAL REPORT NO. 25228 FROM REED ENG. GROUP DATED 11/08/23 FOR DETAILED PAVING AND SUBGRADE RECOMMENDATIONS.

CAUTION!!

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



BENCH MARK LIST	
NOTES:	
The bearing system for this survey is based on the Texas Coordinate System of 1983, North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.	
BM#150 - AN "4" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE, 102± SOUTHWEST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE. ELEV: 667.69	
BM#151 - AN "4" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE, 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE. ELEV: 665.66	
BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN. ELEV: 664.69	

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
FORT WORTH, TEXAS 76102
PHONE: 817-356-6511 FAX: 817-356-5070
TEXAS REGISTERED ENGINEERS FROM F-928

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Not for construction or permit purposes.

Kimley»Horn

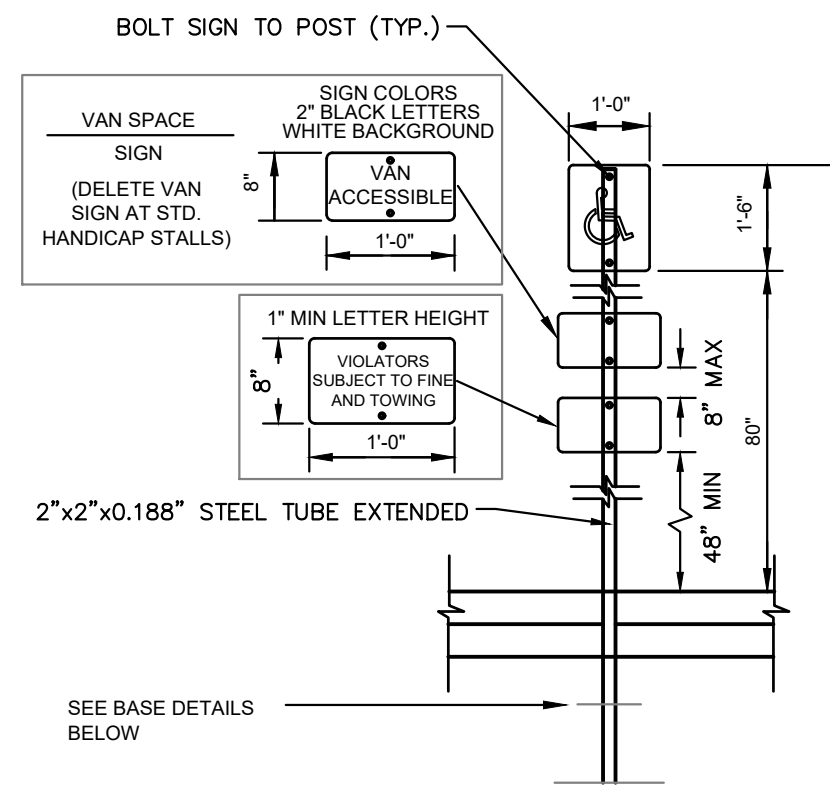
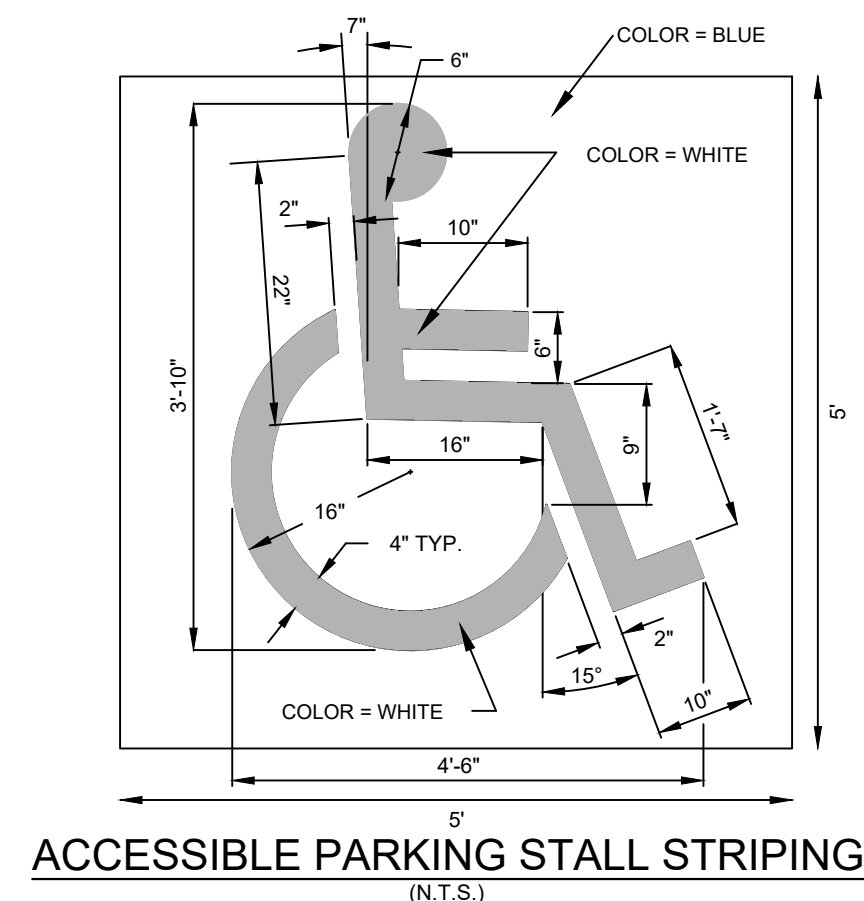
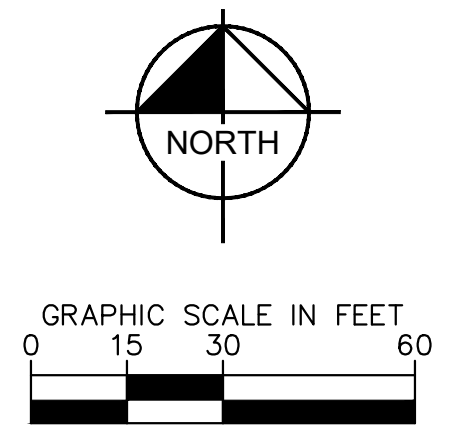
Engineer: JENNIFER G. GANSETT, P.E.
P.E. No. 124908 - Dated 11/17/2023

PROJECT No.	NOV. 2023
DATE:	AS SHOWN
SCALE:	EGG
DESIGNED BY:	EGG
DRAWN BY:	JGG
CHECKED BY:	

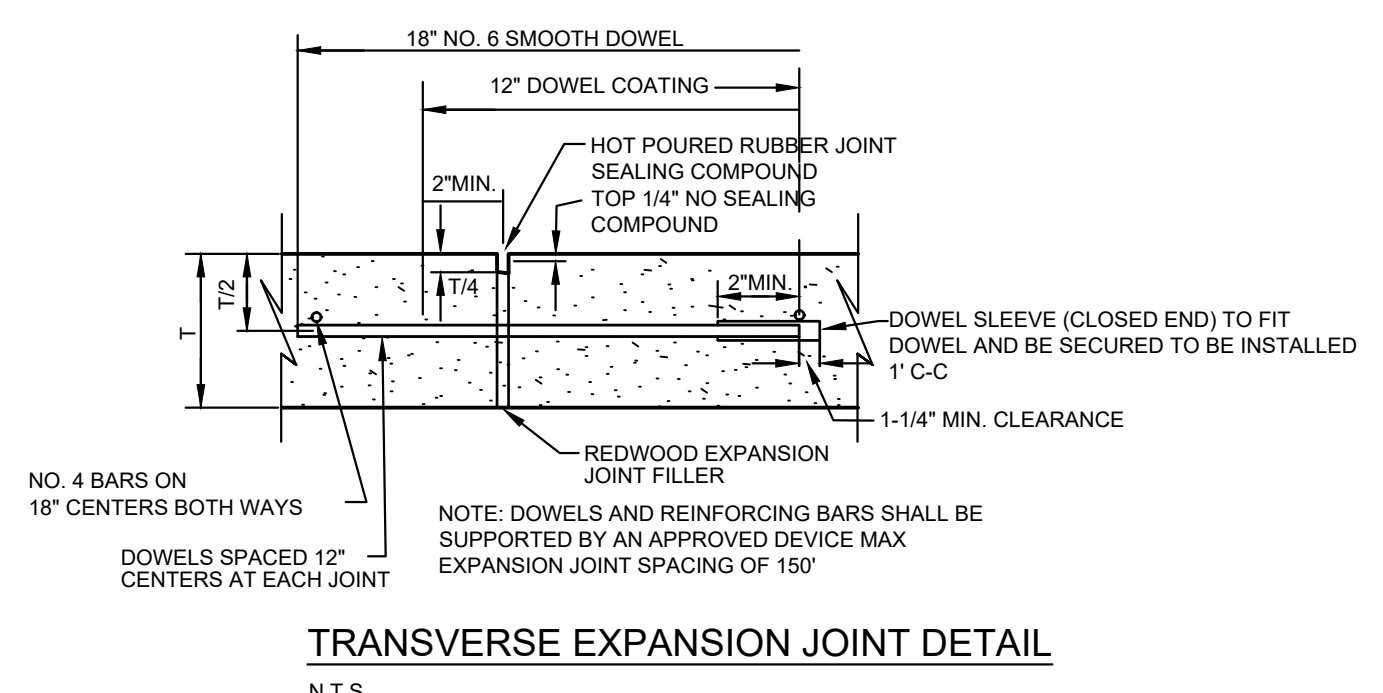
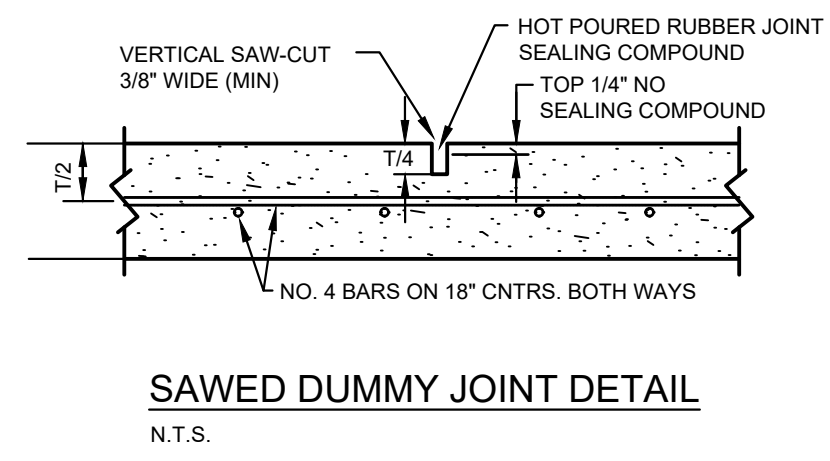
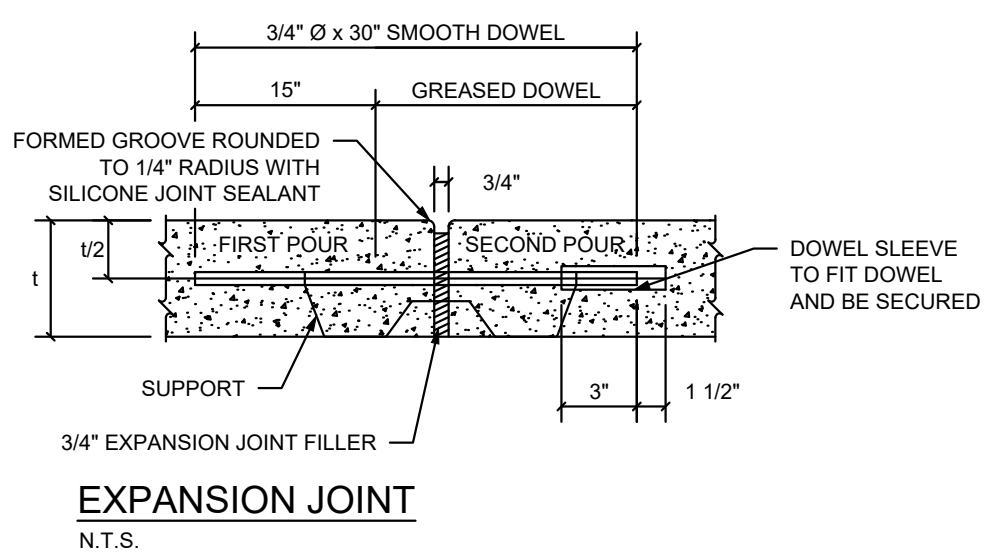
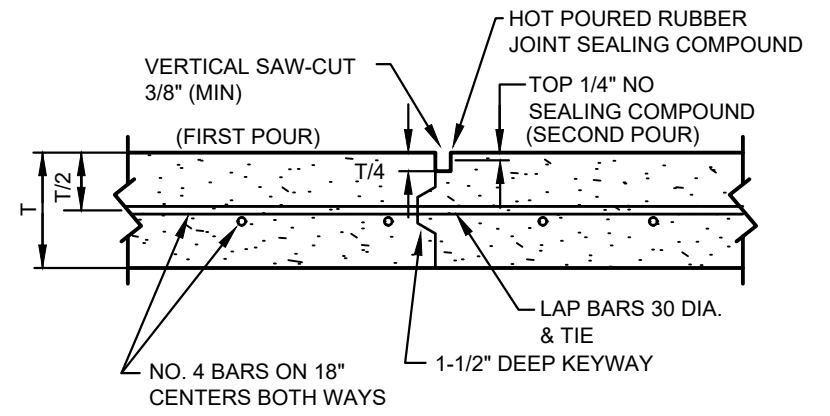
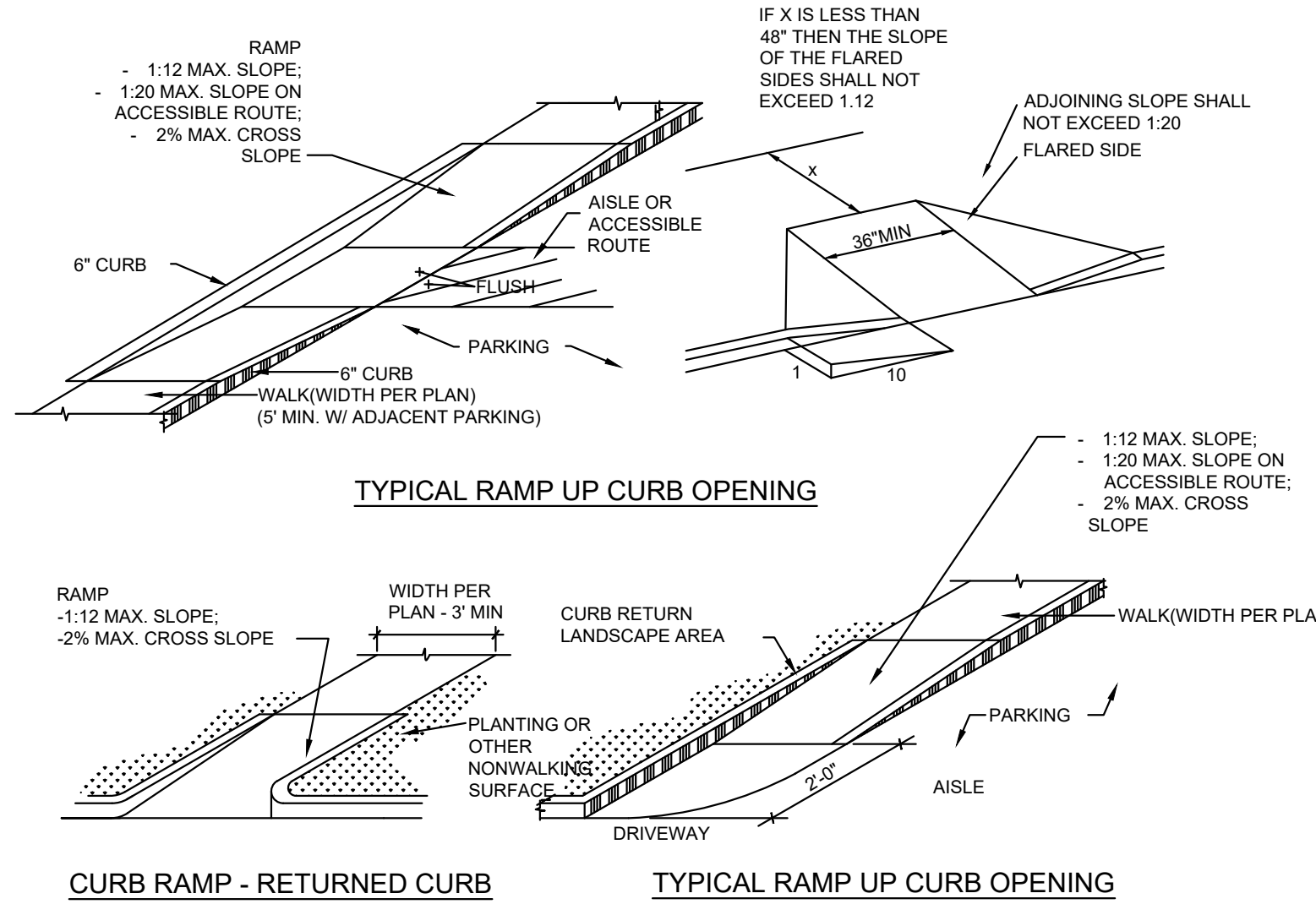
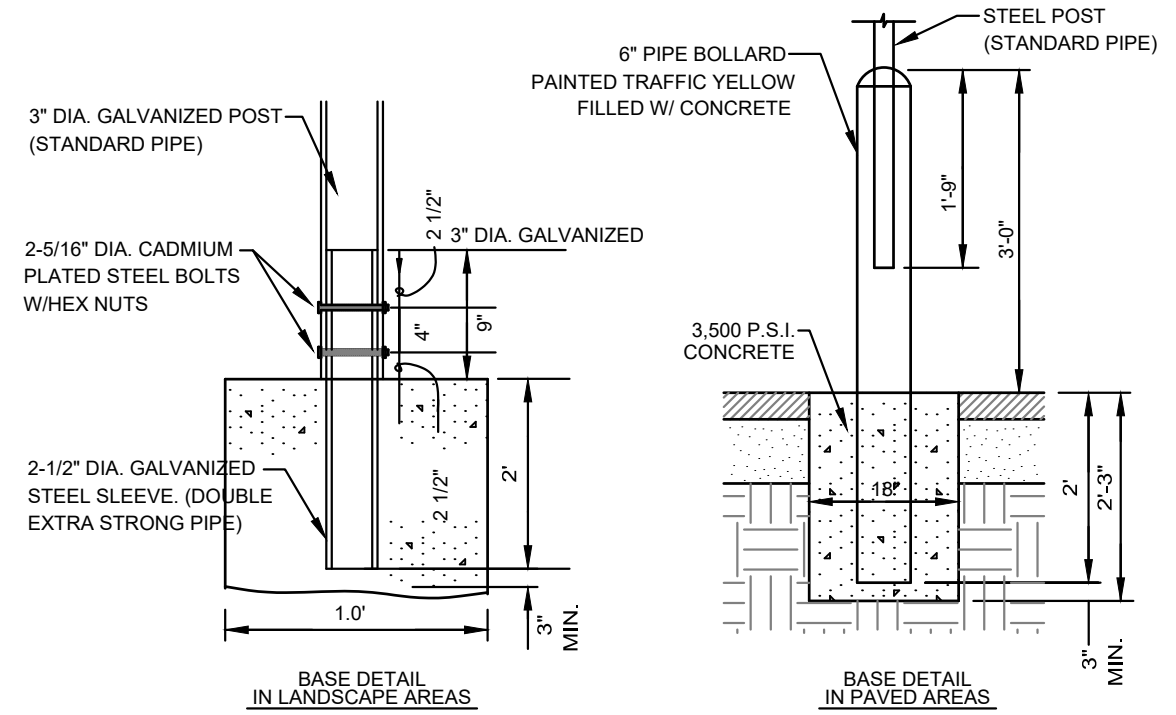
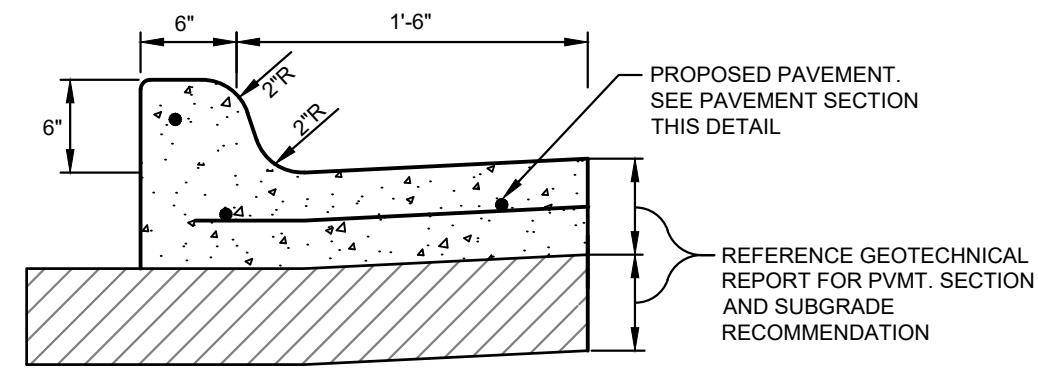
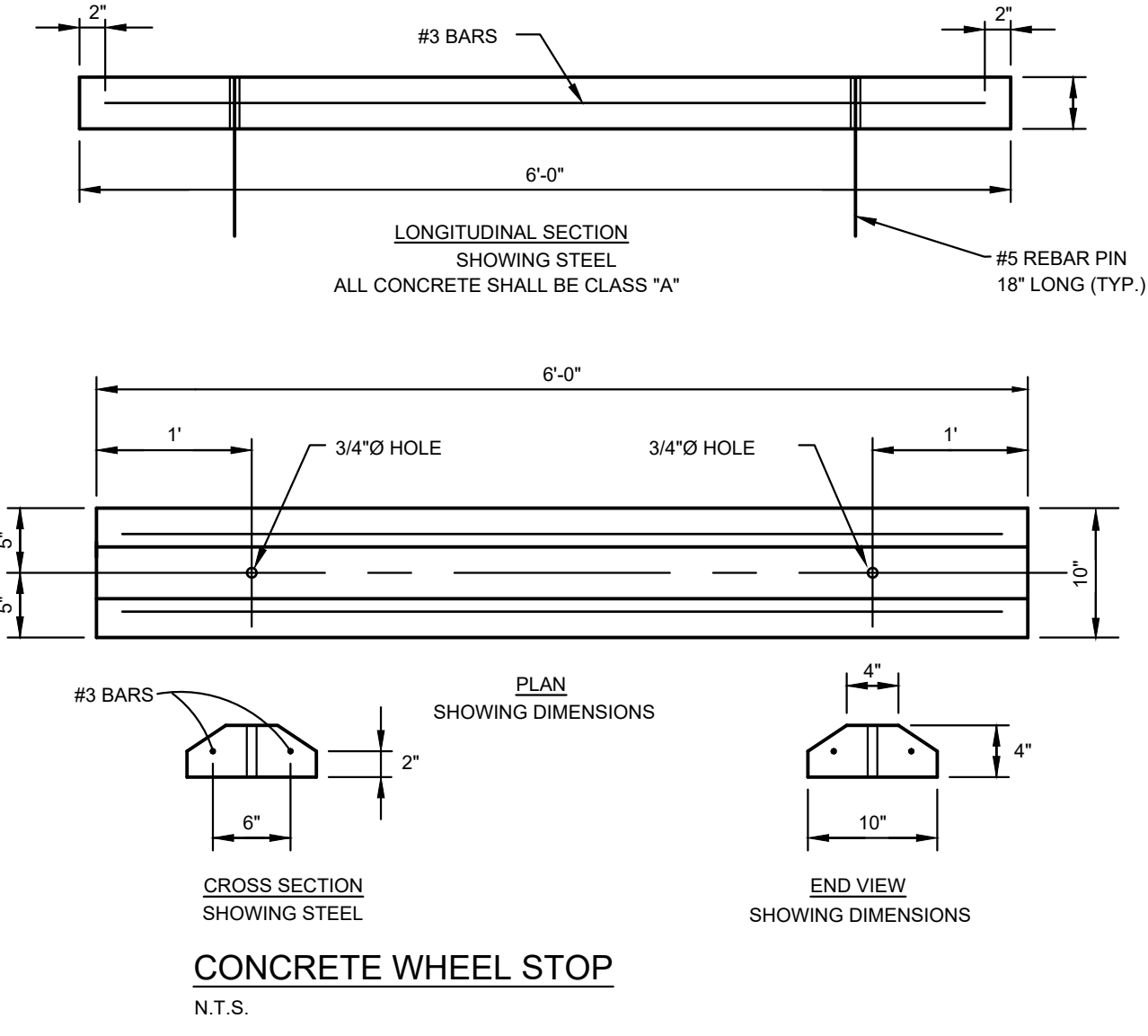
ANDY'S LANTANA

PAVING & DIMENSION CONTROL

SHEET NUMBER
C-04



- NOTES:
- SIGN COLORS
 - BACKGROUND: WHITE
 - SYMBOL: BLUE
 - PROVIDE SIGNAGE AT END OF STALL AT LOCATIONS W/ ACCESSIBLE DESIGNATION TO ACT AS BUMPER STOP.
 - 1'-0"x1'-6"x .080" ALUM. ACCESSIBLE PARKING SIGN. SIGN TO READ "RESERVED PARKING" W/ IDENTIFICATION SYMBOL. BOLT TO STEEL TUBE W/ 3/8" CADMIUM PLATED BOLTS, NUTS & WASHERS.
 - ACCESSIBLE SIGNAGE TO BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF LICENSING AND REGULATION TEXAS ACCESSIBILITY STANDARDS (TAS) PER 4.4.4



PLOTTED BY: XREF: 2/26/2023 3:59 PM
 LAST SAVED: 11/20/2023 2:14 PM
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NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERING FIRM F-928

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Kimley»Horn

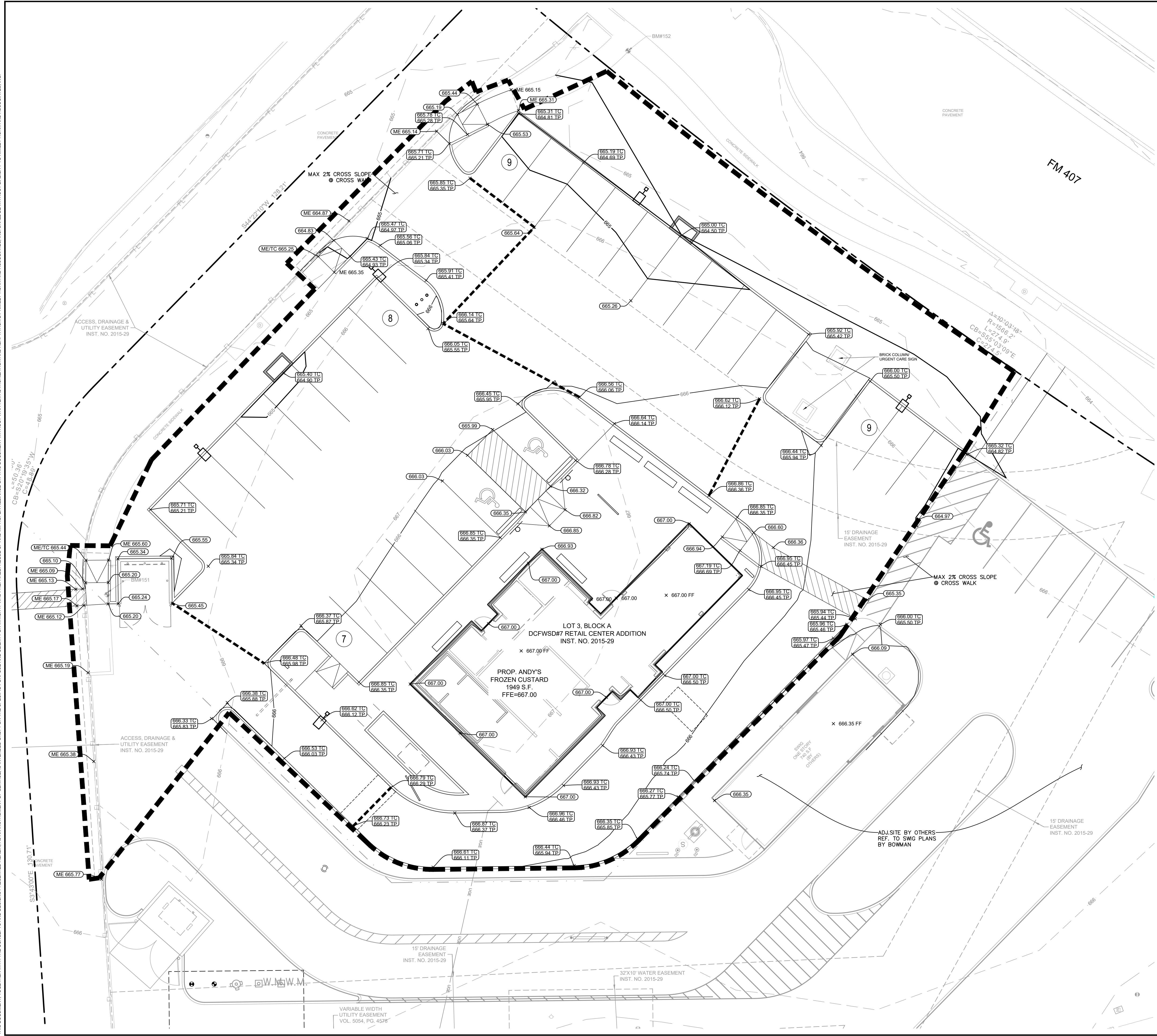
Engineer: ENINFER G. GANSEY, P.E.
 P.E. No. 124908 - Duly 11/17/2023

PROJECT No:	0613383300
DATE:	NOV. 2023
SCALE:	AS SHOWN
DESIGNED BY:	EGG
DRAWN BY:	EGG
CHECKED BY:	JGG

ANDY'S LANTANA

CONSTRUCTION DETAILS (1 OF 2)

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, IS AN INSTRUMENT OF SERVICE. IT IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.



LEGEND

- X535.25 PROPOSED TOP OF PAVEMENT
- X535.25 TP PROPOSED TOP OF CURB
- X535.25 TC PROPOSED TOP OF CURB
- X535.25 FF FINISHED FLOOR ELEVATION
- X535.25 ME MATCH EXISTING ELEVATION
- PROPOSED SIDEWALK PAVEMENT
- - - 527 - - - EXISTING CONTOUR
- 527 PROPOSED CONTOUR
- HIGH POINT
- - - - - VALLEY GUTTER/SWALE
- SLOPE ARROW

- GRADING NOTES**
- ALL SPOT ELEVATIONS REFERENCE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
 - THIS PLAN IS FOR SITE ROUGH GRADING ONLY. SEE ARCHITECTURAL AND STRUCTURAL PLANS FOR SLAB ELEVATIONS TO BE USED FOR FOUNDATION CONSTRUCTION.
 - CONTRACTOR TO VERIFY T.A.S. / A.D.A. COMPLIANCE PRIOR TO POURING CONCRETE. FOR ANY QUESTIONS, CONTACT CIVIL ENGINEER IMMEDIATELY.
 - GRADES IN ALL ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. AND T.A.S. STANDARDS. MAXIMUM RUNNING SLOPE FOR ALL PATHS IS 5%. MAX CROSS SLOPE FOR ALL PATHS IS 2%. FOR THE FIRST FIVE FEET FROM THE DOOR, A 2% SLOPE IN ANY DIRECTION (MAX) SHALL NOT BE EXCEEDED. PARKING SPACES DESIGNATED ADA ACCESSIBLE AND THEIR RESPECTIVE ACCESS AISLES SHALL NOT EXCEED A 2% SLOPE IN ANY DIRECTION.
 - REFER TO LANDSCAPE ARCHITECT PLANS FOR SIDEWALK / HARDSCAPE DETAILS.
 - CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL / STRUCTURAL PLANS PRIOR TO CONSTRUCTION STAKING.
 - LANDSCAPE AREAS ADJACENT TO BUILDING TO DRAIN TO LANDSCAPE INLETS AT A MINIMUM OF 2% SLOPE.
 - REFERENCE GEOTECHNICAL REPORT FOR ALL EARTHWORK AND SUBGRADE PREPARATION INSPECTION SPECIFICATIONS.

CAUTION!

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

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

BENCH MARK LIST

NOTES:

The bearing system for this survey is based on the Texas Coordinate System of 1983 North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.

BM#150 - AN "x" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE. 102± SOUTHWEST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.

ELEV: 667.69

BM#151 - AN "x" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE, 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE.

ELEV: 665.66

BM#152 - AN "x" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.

ELEV: 664.69

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
FORT WORTH, TEXAS 76102
PHONE: 817-356-6511 FAX: 817-356-5010
TEXAS REGISTERED ENGINEERS FRM# 928

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Kimley»Horn

Engineer: JENNIFER G. GANSETT, P.E.
P.E. No. 124908 - Date: 11/17/2023

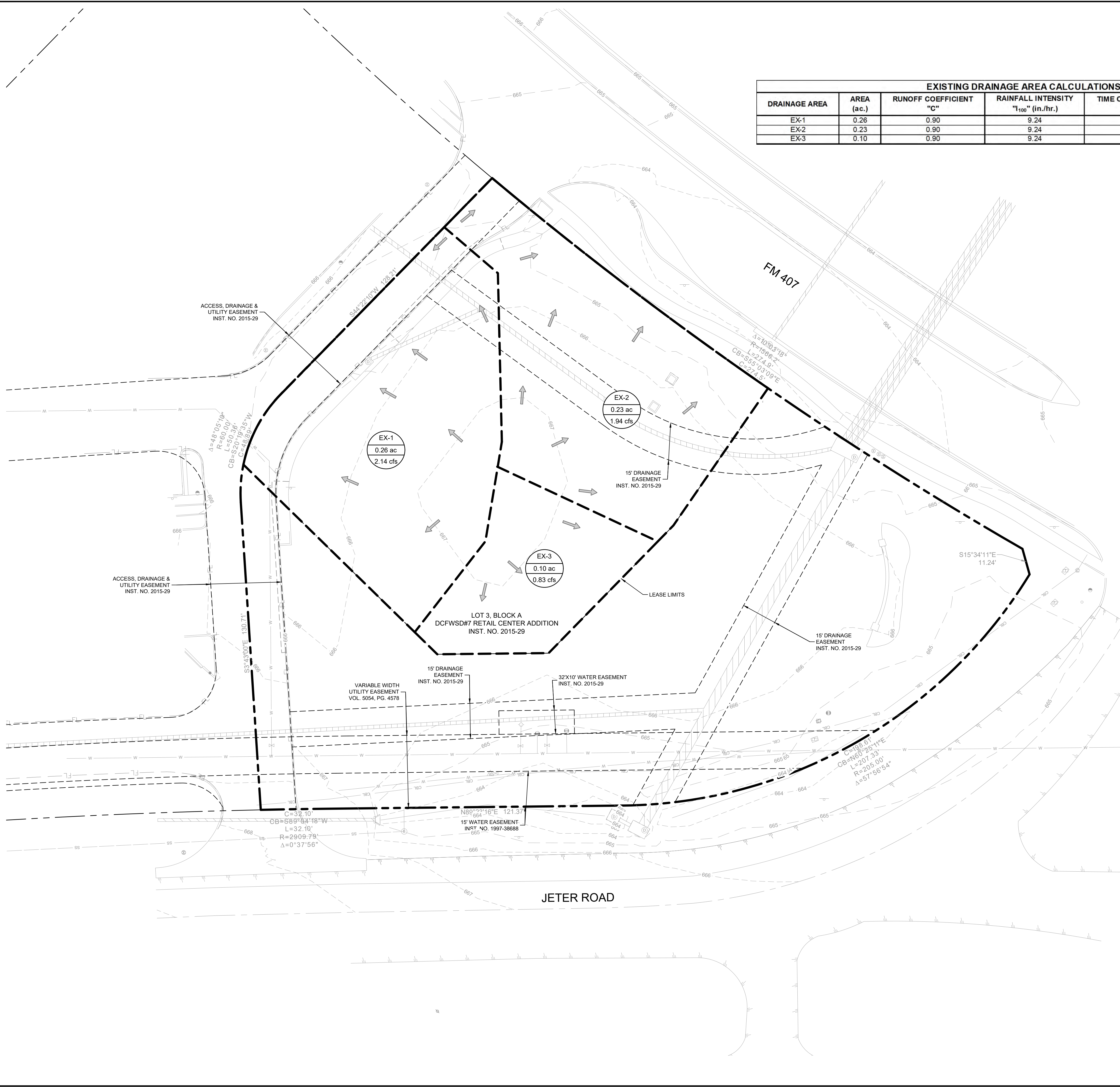
PROJECT No:	NOV. 2023
DATE:	AS SHOWN
SCALE:	EGG
DESIGNED BY:	EGG
DRAWN BY:	EGG
CHECKED BY:	JGG

ANDY'S LANTANA

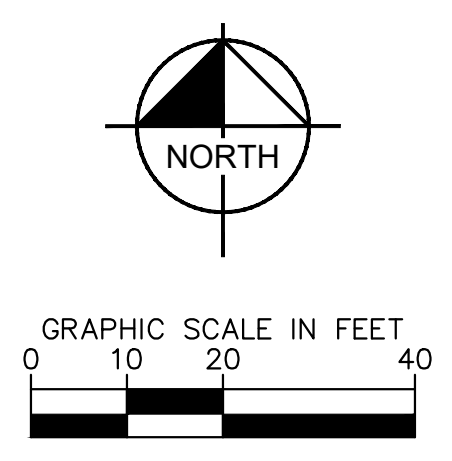
GRADING PLAN

SHEET NUMBER
C-07

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EXISTING DRAINAGE AREA CALCULATIONS					
DRAINAGE AREA	AREA (ac.)	RUNOFF COEFFICIENT "C"	RAINFALL INTENSITY "I ₁₀₀ " (in./hr.)	TIME OF CONCENTRATION (minutes)	TOTAL FLOW Q ₁₀₀ (cfs)
EX-1	0.26	0.90	9.24	10	2.14
EX-2	0.23	0.90	9.24	10	1.94
EX-3	0.10	0.90	9.24	10	0.83



LEGEND

- DA-X: DRAINAGE AREA NUMBER
- 1.00 Ac.: ACREAGE
- 7.88 cfs: 100-YEAR FLOW
- - - 527: EXISTING CONTOUR
- - - - -: DRAINAGE DIVIDE
- : DIRECTION OF FLOW

Q=C_dC_aI_aA
 Q=DESIGN DISCHARGE (CFS)
 C=RATIONAL METHOD RUNOFF COEFFICIENT
 C_a=RATIONAL METHOD ANTECEDENT PRECIPITATION FACTOR
 I=RAINFALL INTENSITY (INCHES/HOUR)
 A=DRAINAGE AREA (ACRES)

- NOTES**
- RAINFALL INTENSITIES BASED ON AS-BUILT PLANS FOR LANTANA TOWN CENTER, BY WINKELMEN & ASSOCIATES, INC. DATED 11/25/2013.
 - RUNOFF COEFFICIENT BASED ON AS-BUILT PLANS FOR LANTANA TOWN CENTER, BY WINKELMEN & ASSOCIATES, INC. DATED 11/25/2013.

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM F-928

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Kimley»Horn
 Engineer: JENNIFER G. GANSELT, P.E.
 P.E. No. 124908 ... Date 11/17/2023

PROJECT NO.	NOV. 2023
DATE:	AS SHOWN
SCALE:	EGG
DESIGNED BY:	EGG
DRAWN BY:	JGG
CHECKED BY:	

ANDY'S LANTANA

EXISTING DRAINAGE AREA MAP

SHEET NUMBER
C-08

CAUTION!!
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Call before you dig.

BENCH MARK LIST

NOTES:

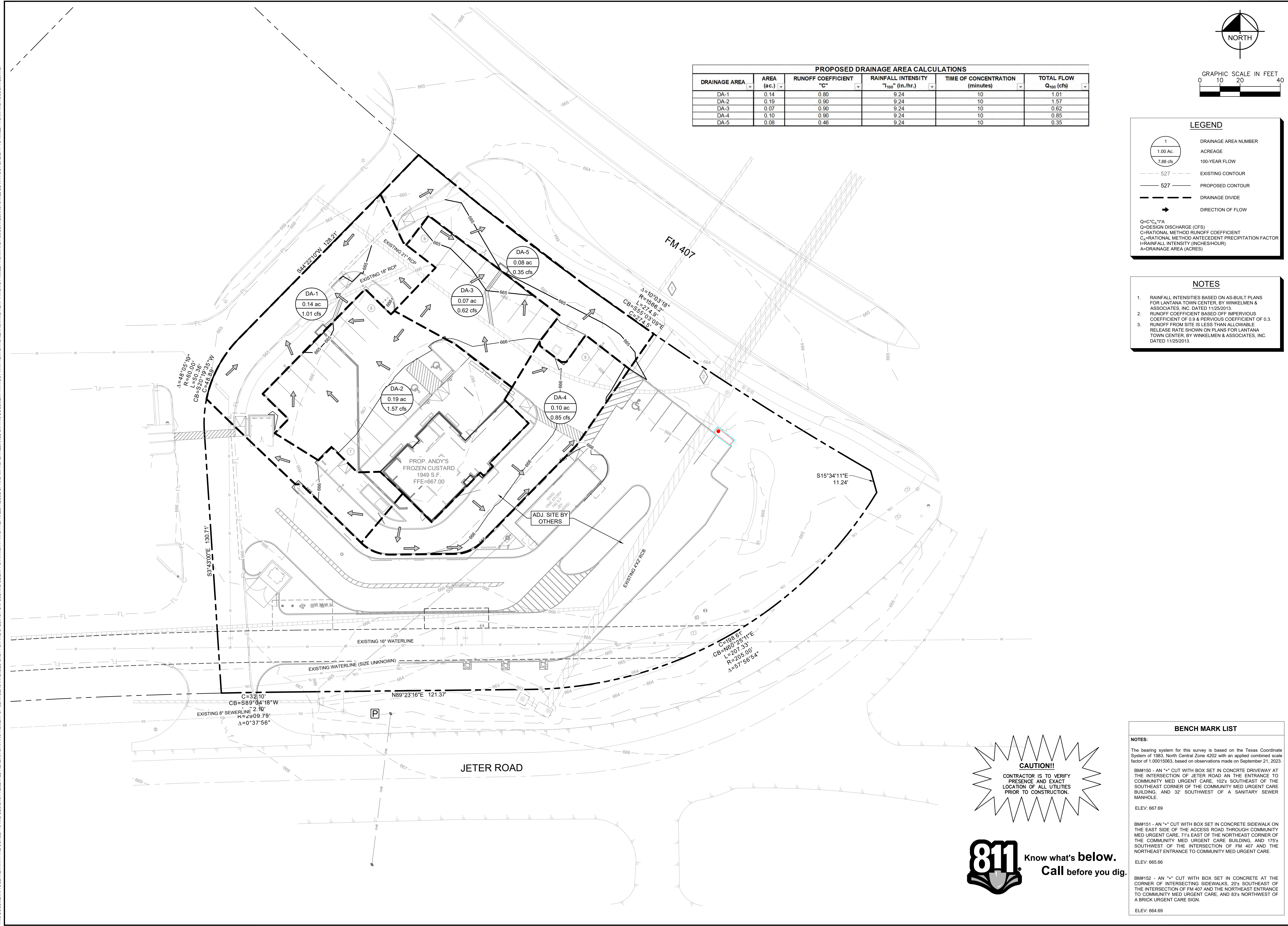
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BM#150 - AN "4" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE, 102± SOUTHWEST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.
ELEV: 667.69

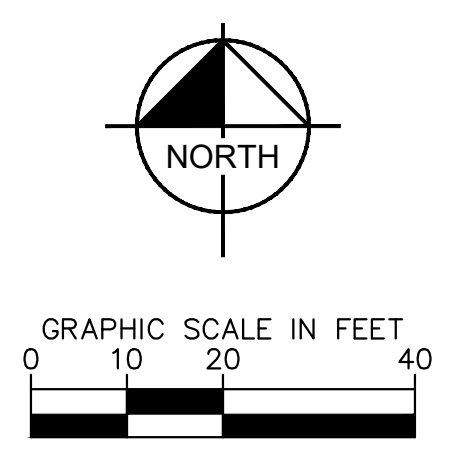
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ELEV: 665.66

BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.
ELEV: 664.69

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PROPOSED DRAINAGE AREA CALCULATIONS					
DRAINAGE AREA	AREA (ac.)	RUNOFF COEFFICIENT "C"	RAINFALL INTENSITY "I ₁₀₀ " (in./hr.)	TIME OF CONCENTRATION (minutes)	TOTAL FLOW Q ₁₀₀ (cfs)
DA-1	0.14	0.80	9.24	10	1.01
DA-2	0.19	0.90	9.24	10	1.57
DA-3	0.07	0.90	9.24	10	0.62
DA-4	0.10	0.90	9.24	10	0.85
DA-5	0.08	0.46	9.24	10	0.35



LEGEND

- 1 DRAINAGE AREA NUMBER
- 1.00 Ac. ACREAGE
- 7.88 cfs 100-YEAR FLOW
- - - 527 - - - EXISTING CONTOUR
- 527 — PROPOSED CONTOUR
- - - - - DRAINAGE DIVIDE
- DIRECTION OF FLOW

Q=C*I*A
 Q=DESIGN DISCHARGE (CFS)
 C=RATIONAL METHOD RUNOFF COEFFICIENT
 I=RATIONAL METHOD ANTECEDENT PRECIPITATION FACTOR
 I=RAINFALL INTENSITY (INCHES/HOUR)
 A=DRAINAGE AREA (ACRES)

- NOTES**
- RAINFALL INTENSITIES BASED ON AS-BUILT PLANS FOR LANTANA TOWN CENTER, BY WINKELMEN & ASSOCIATES, INC. DATED 11/25/2013.
 - RUNOFF COEFFICIENT BASED OFF IMPERVIOUS COEFFICIENT OF 0.8 & PERVIOUS COEFFICIENT OF 0.3.
 - RUNOFF FROM SITE IS LESS THAN ALLOWABLE RELEASE RATE SHOWN ON PLANS FOR LANTANA TOWN CENTER, BY WINKELMEN & ASSOCIATES, INC. DATED 11/25/2013.

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM 1928

FOR REVIEW ONLY
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Kimley»Horn
 Engineer: JENNIFER G. GANSELT, P.E.
 P.E. No. 124908 ... Date: 11/17/2023

PROJECT No. 0613383300	DATE NOV. 2023	SCALE AS SHOWN	DESIGNED BY EGB	EGB
			DRAWN BY EGB	EGB
			CHECKED BY JGG	JGG

ANDY'S LANTANA

PROPOSED
DRAINAGE AREA MAP

SHEET NUMBER
C-09

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

BENCH MARK LIST

NOTES:

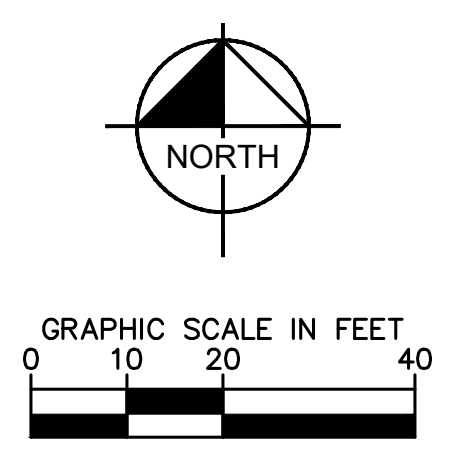
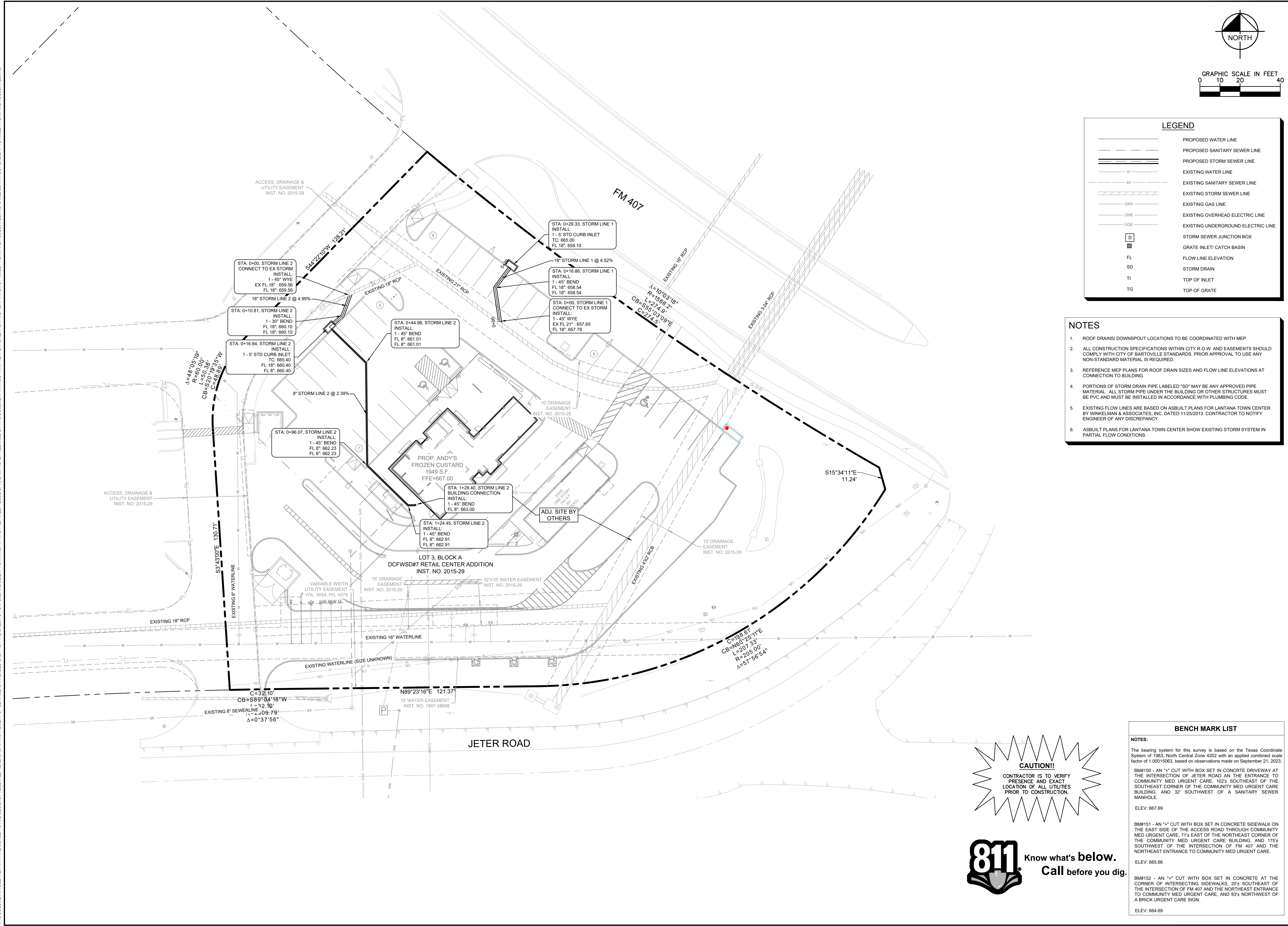
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ELEV: 667.69

BM#151 - AN "4" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE, 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE.
ELEV: 665.66

BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.
ELEV: 664.69

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LEGEND	
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED STORM SEWER LINE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING UNDERGROUND ELECTRIC LINE
	STORM SEWER JUNCTION BOX
	GRATE INLET/ CATCH BASIN
	FLOW LINE ELEVATION
	STORM DRAIN
	TOP OF INLET
	TOP OF GRATE

- NOTES**
1. ROOF DRAINS/ DOWNSPOUT LOCATIONS TO BE COORDINATED WITH MEP.
 2. ALL CONSTRUCTION SPECIFICATIONS WITHIN CITY R.O.W. AND EASEMENTS SHOULD COMPLY WITH CITY OF BARTOVILLE STANDARDS. PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIAL IS REQUIRED.
 3. REFERENCE MEP PLANS FOR ROOF DRAIN SIZES AND FLOW LINE ELEVATIONS AT CONNECTION TO BUILDING.
 4. PORTIONS OF STORM DRAIN PIPE LABELED "SD" MAY BE ANY APPROVED PIPE MATERIAL. ALL STORM PIPE UNDER THE BUILDING OR OTHER STRUCTURES MUST BE PVC AND MUST BE INSTALLED IN ACCORDANCE WITH PLUMBING CODE.
 5. EXISTING FLOW LINES ARE BASED ON ASBUILT PLANS FOR LANTANA TOWN CENTER BY WINKELMAN & ASSOCIATES, INC. DATED 11/25/2013. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCY.
 6. ASBUILT PLANS FOR LANTANA TOWN CENTER SHOW EXISTING STORM SYSTEM IN PARTIAL FLOW CONDITIONS.

NO.	REVISIONS	DATE	BY

Kimley»Horn

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Kimley»Horn

Engineer: JENNIFER G. GANSETT, P.E.
 P.E. No. 124908 Date: 11/17/2023

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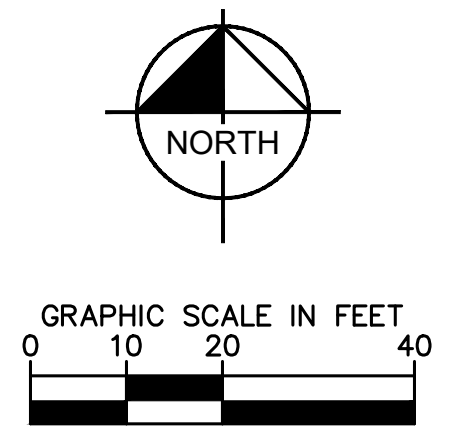
ANDY'S LANTANA

STORM SEWER PLAN

SHEET NUMBER
C-10

CAUTION!!
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LEGEND	
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER LINE
	PROPOSED WATER LINE (BY OTHERS)
	PROPOSED SANITARY SEWER LINE (BY OTHERS)
	PROPOSED UNDERGROUND COMMUNICATIONS LINE
	PROPOSED OVERHEAD ELECTRIC LINE
	PROPOSED UNDERGROUND ELECTRIC LINE
	EXISTING WATER LINE
	EXISTING SANITARY SEWER LINE
	EXISTING UNDERGROUND CABLE LINE
	EXISTING STORM SEWER LINE
	PROPOSED WATER METER
	PROPOSED MANHOLE
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE
	EXISTING SANITARY SEWER MANHOLE

- UTILITY NOTES**
- REFER TO SHEET C-01 FOR GENERAL NOTES.
 - REFER TO TCEQ DESIGN GUIDELINES (CHAPTER 290) FOR WATER AND SANITARY SEWER CROSSINGS.
 - UTILITY CONNECTIONS TERMINATE 5' FROM BUILDING ENVELOPE SEE MEP PLANS FOR CONTINUATION.
 - REFER TO IRRIGATION PLANS FOR EXACT LOCATION AND SIZE OF IRRIGATION SLEEVES.
 - CONTRACTOR TO ADJUST EXISTING SANITARY SEWER MANHOLES, ELECTRICAL MANHOLES, FIRE HYDRANTS, VALVE BOXES, WATER METERS, ETC. TO MATCH PROPOSED FINISHED GRADES IF NECESSARY.
 - ANY WATER OR SANITARY SEWER SERVICE LOCATED OUTSIDE OF A STREET, ALLEY OR EASEMENT SHALL BE INSTALLED BY A PLUMBER AND BE INSPECTED BY CODE ENFORCEMENT.
 - WATER METERS 2" AND SMALLER TO BE INSTALLED BY CITY WATER DEPARTMENT AT OWNERS EXPENSE. METERS LARGER THAN 2" TO BE INSTALLED BY CONTRACTOR.
 - ALL CONSTRUCTION SPECIFICATIONS WITHIN CITY R.O.W. AND EASEMENTS SHOULD COMPLY WITH CITY OF BARTONVILLE STANDARDS. PRIOR APPROVAL TO USE ANY NON-STANDARD MATERIAL IS REQUIRED.

BENCH MARK LIST

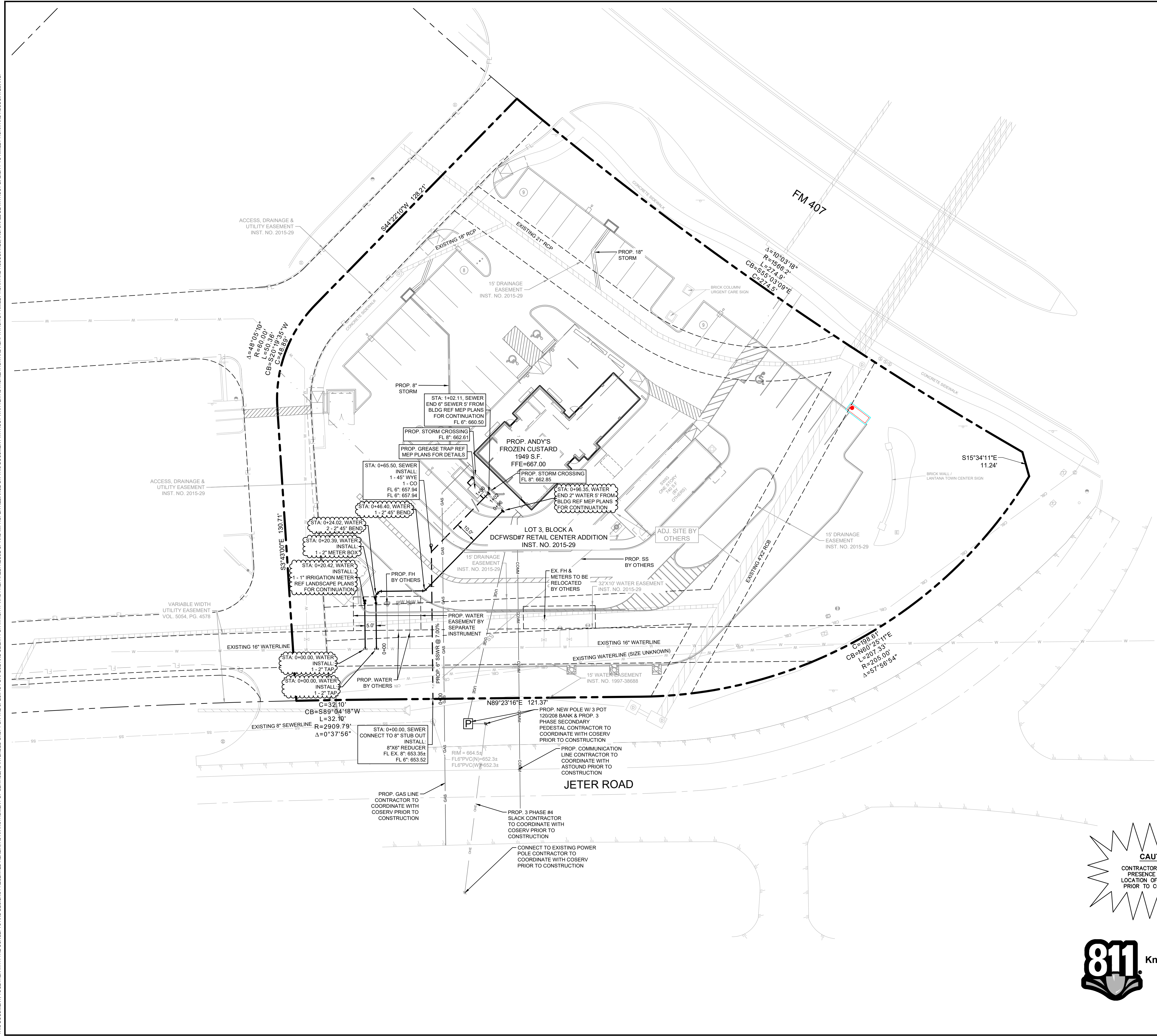
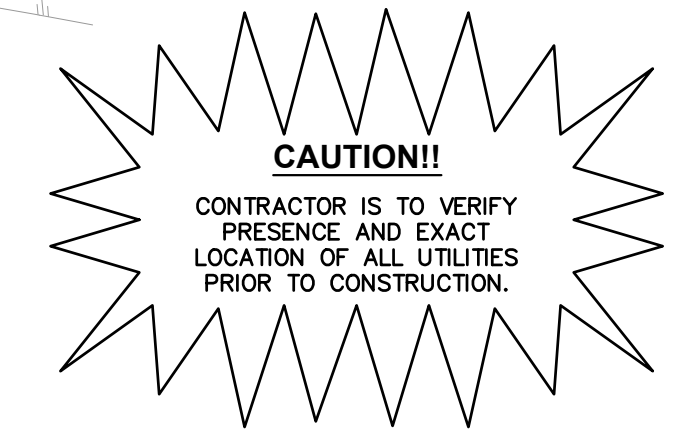
NOTES:

The bearing system for this survey is based on the Texas Coordinate System of 1983, North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.

BM#150 - AN "4" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE, 102± SOUTHWEST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.
ELEV: 667.69

BM#151 - AN "4" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE, 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE.
ELEV: 665.66

BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.
ELEV: 664.69



801 CHERRY ST. UNIT 11, SUITE 1300
FORT WORTH, TEXAS 76102
PHONE: 817-356-6511 FAX: 817-356-5010
TEXAS REGISTERED ENGINEERS FROM F-928

ANDY'S LANTANA

UTILITY PLAN

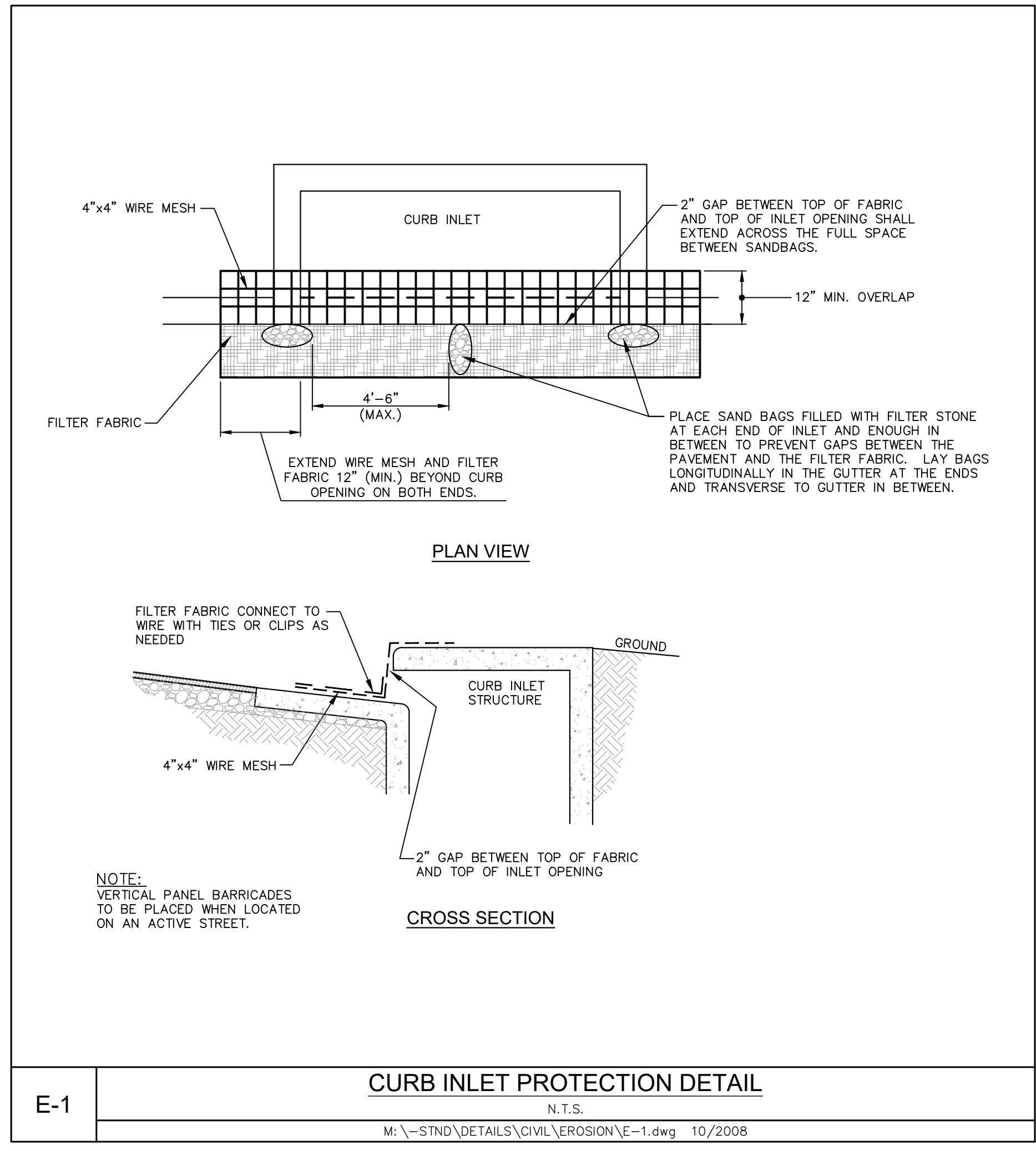
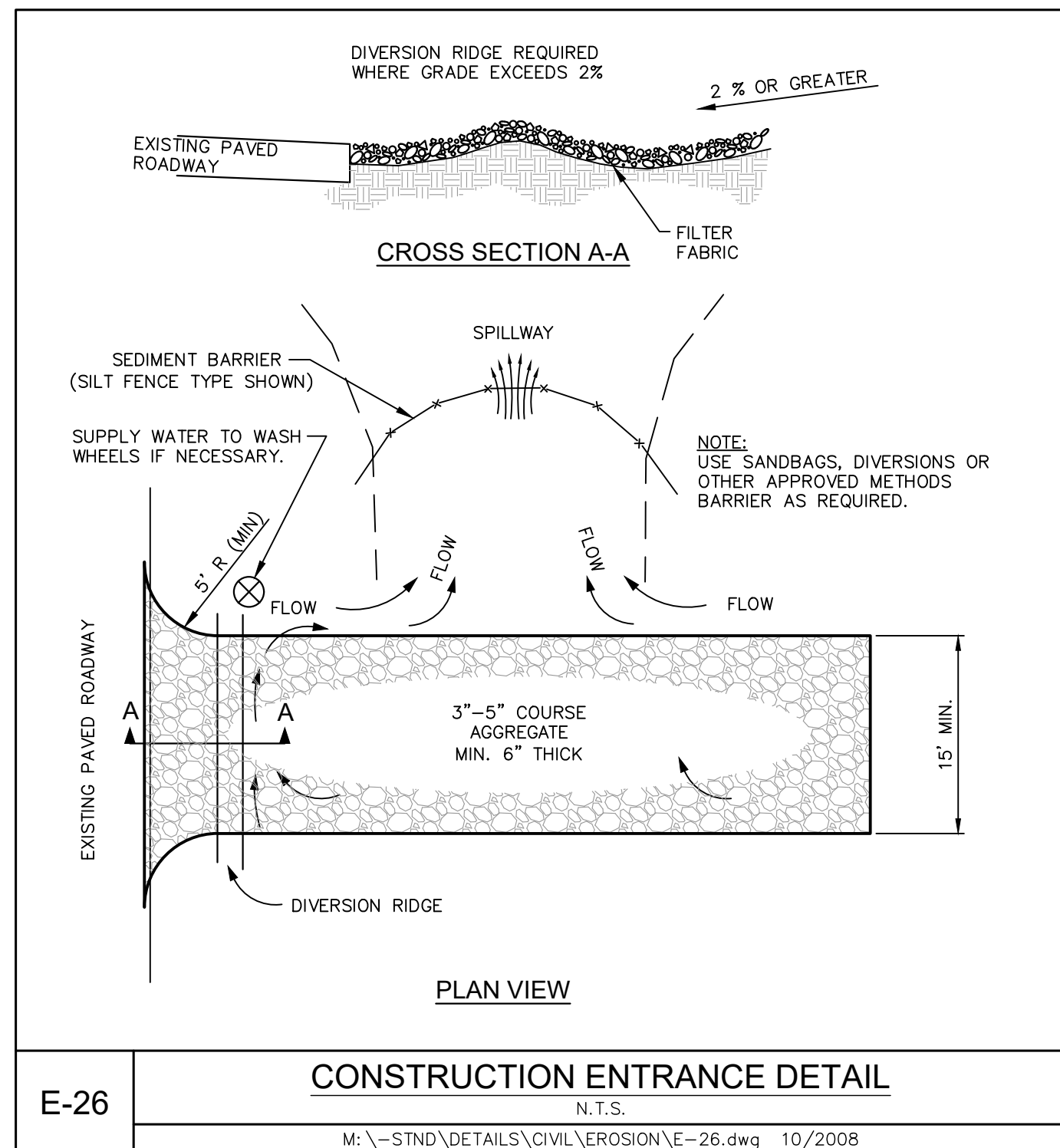
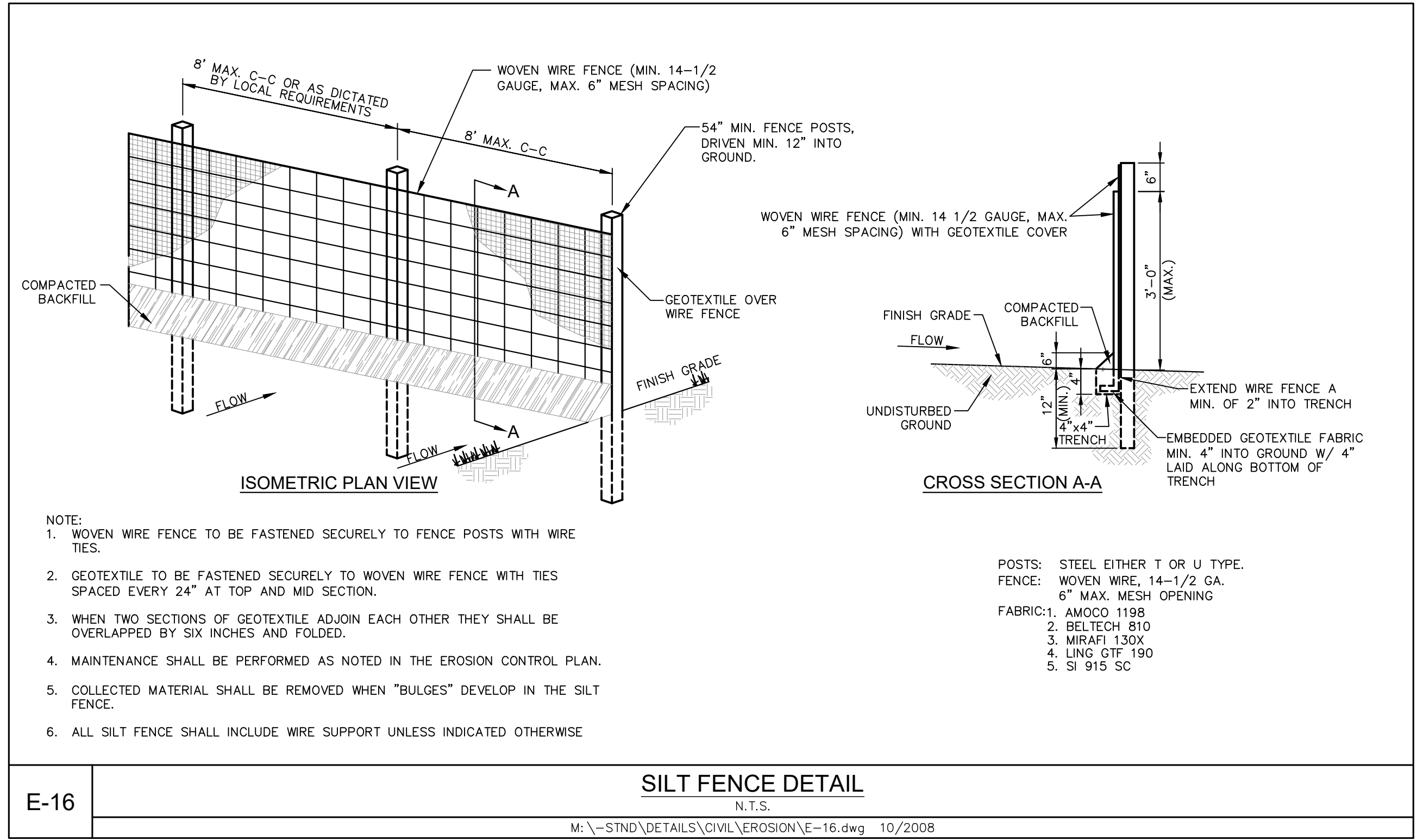
PROJECT No. 061338300	DATE NOV. 2023	SCALE AS SHOWN	DESIGNED BY EGG	DRAWN BY EGG	CHECKED BY JGG
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SHEET NUMBER	DATE
C-11	

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 XREF: 24266
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EROSION CONTROL NOTES

- THE OWNER AND CONTRACTOR SHALL EACH SUBMIT A CONSTRUCTION SITE NOTICE AND NOTICE OF INTENT (TR 150000 FORM) TO THE CITY AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. OWNER AND CONTRACTOR ARE RESPONSIBLE FOR RETAINING PROOF THAT THE FORM WAS SUBMITTED TO THE CITY (PROOF MUST CONSIST OF CERTIFIED MAIL WITH RETURN RECEIPT).
- TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (TPDES) CONSTRUCTION GENERAL PERMIT TXR150000, LANDSCAPE PLANS, GEOTECHNICAL INVESTIGATION (IF PREPARED), CIVIL ENGINEERING PLANS AND ALL APPLICABLE SPECIFICATIONS ARE HEREBY INCORPORATED INTO THIS SWPPP. CONTRACTOR SHALL OBTAIN AND KEEP A CURRENT COPY OF THESE DOCUMENTS AT THE CONSTRUCTION SITE.
- ALL EROSION AND SEDIMENTATION CONTROLS MUST BE DESIGNED, INSTALLED AND MAINTAINED TO RETAIN SEDIMENT ON-SITE TO THE EXTENT PRACTICABLE.
- ALL CONTROL MEASURES MUST BE SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES.
- OFF-SITE ACCUMULATIONS OF SEDIMENT ESCAPING PROJECT SITE MUST BE REMOVED AT A FREQUENCY NECESSARY TO MINIMIZE OFF-SITE IMPACTS. FOR EXAMPLE, SEDIMENTATION WITHIN STREETS ADJACENT TO THE PROJECT SITE MUST BE REMOVED PRIOR TO RAINFALL EVENTS. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR. IN ANY EVENT SILT SHALL ALWAYS BE REMOVED SUCH THAT PONDING IN A STREET IS PREVENTED.
- CONTRACTOR MUST REMOVE SEDIMENT FROM ALL APPLICABLE CONTROLS WHEN DESIGN SILT STORAGE CAPACITY HAS BEEN REDUCED BY 50%.
- CONTRACTOR SHALL ENSURE THAT ALL LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS ARE PREVENTED FROM BECOMING POLLUTANT SOURCES.
- OFF-SITE MATERIAL STORAGE AREAS USED SOLELY FOR THIS PROJECT, INCLUDING DIRT STOCKPILES AND BORROW AREAS (AS APPLICABLE), MUST BE PREVENTED FROM BECOMING POLLUTANT SOURCES BY INSTALLATION OF BMP'S.
- CONTRACTOR SHALL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE.
- DISTURBED PORTIONS OF SITE MUST BE STABILIZED. STABILIZATION PRACTICES MUST BE INITIATED WITHIN 14 DAYS IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS BEEN EITHER TEMPORARILY OR PERMANENTLY CEASED, UNLESS EXCEPTED WITHIN THE TPDES PERMIT.
- CONTRACTOR MUST MAINTAIN RECORDS OF DATES IN THE SWPPP OF WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES EITHER TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED.
- CONTRACTOR SHALL ENSURE THAT SWPPP IS CONSISTENT WITH SEDIMENT AND EROSION SITE PLANS, STORM WATER PERMITS, AND STORM WATER MANAGEMENT PLANS APPROVED BY STATE, TRIBAL, OR LOCAL OFFICIALS. UPDATES TO SWPPP ARE REQUIRED UPON WRITTEN NOTICE TO PERMITTEE OF CHANGES APPLICABLE TO STORM WATER PERMITS, SEDIMENT AND EROSION CONTROL PLANS, OR STORM WATER MANAGEMENT PLANS BY SUCH OFFICIALS.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES AND ANY OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SWPPP MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION. WHEN INSPECTIONS IDENTIFY CONTROLS OPERATING INEFFECTIVELY, THE CONTROLS SHALL BE MAINTAINED PRIOR TO THE NEXT RAINFALL EVENT OR AS NECESSARY TO MAINTAIN EFFECTIVENESS OF THE CONTROL, OR AS SOON AS PRACTICABLE.
- CONTRACTOR SHALL INSPECT DISTURBED AREAS, MATERIAL STORAGE AREAS EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND VEHICLE ENTRY AND EXIT AREAS AT LEAST ONCE EVERY 14 CALENDAR DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER.
- CONTRACTOR SHALL INSPECT STABILIZED AREAS AND AREAS WHERE RUNOFF IS UNLIKELY DUE TO FROZEN OR ARID WEATHER CONDITIONS AT LEAST ONCE PER MONTH.
- CONTRACTOR SHALL INSPECT ACCESSIBLE DISCHARGE LOCATIONS (OR NEARBY DOWNSTREAM LOCATIONS IF DISCHARGE POINT IS NOT ACCESSIBLE) IN ORDER TO ASCERTAIN WHETHER OR NOT EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.
- STRUCTURAL BMP'S SHOULD NOT, TO THE DEGREE ATTAINABLE, BE PLACED WITHIN FLOODPLAINS.
- BASED ON INSPECTION RESULTS, REVISIONS TO SWPPP MUST BE MADE WITHIN 7 CALENDAR DAYS OF THE INSPECTION. NEW OR MODIFIED CONTROL MEASURES MUST BE INSTALLED PRIOR TO THE NEXT RAINFALL EVENT, OR AS SOON AS PRACTICABLE.
- REPORTS SUMMARIZING THE SCOPE OF ALL INSPECTIONS, INCLUDING NAME AND QUALIFICATIONS OF INSPECTOR, DATE OF INSPECTION, AND MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWPPP (INCLUDING LOCATION OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS, LOCATION OF CONTROLS THAT NEED TO BE MAINTAINED, LOCATIONS WHERE CONTROLS ARE INADEQUATE OR ARE OPERATING IMPROPERLY, AND LOCATIONS WHERE ADDITIONAL CONTROLS ARE NEEDED) MUST BE SIGNED BY THE INSPECTOR PER 39 TEXAS ADMINISTRATIVE CODE (TAC) SECTION 305.128, AND RETAINED WITHIN THE SWPPP FOR AT LEAST 3 YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED. REPORTS THAT DO NOT IDENTIFY INCIDENTS OF NON-COMPLIANCE SHALL CONTAIN A CERTIFICATION STATING THAT THE SITE IS IN COMPLIANCE WITH THE SWPPP AND THE GENERAL PERMIT.

THE CONTRACTOR SHALL CERTIFY AS FOLLOWS:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

CONTRACTOR SHALL IDENTIFY ALL SOURCES OF ALLOWABLE NON-STORM WATER THAT WILL BE COMBINED WITH STORM WATER AT THE SITE (EXCEPT FIRE-FIGHTING ACTIVITIES) AND ENSURE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES FOR NON-STORM WATER COMPONENT(S) OF DISCHARGE.

CONTRACTOR SHALL ENSURE THAT THE INDIVIDUAL SIGNING THE SWPPP MAKES THE CERTIFICATION UNDER PART VI.G.2.d OF THE GENERAL PERMIT. THIS CERTIFICATION MUST APPEAR WITHIN THE SWPPP.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

	801 CHERRY ST. SUITE 1300 FORT WORTH, TEXAS 76102 PHONE: 817-336-6511 FAX: 817-336-5010 TEXAS REGISTERED ENGINEERS FROM 1988
	PROJECT No: 061338300 DATE: NOV. 2023 SCALE: AS SHOWN DESIGNED BY: EGB DRAWN BY: JGG CHECKED BY: JGG
EROSION CONTROL DETAILS	
SHEET NUMBER C-13	

PLANT SCHEDULE

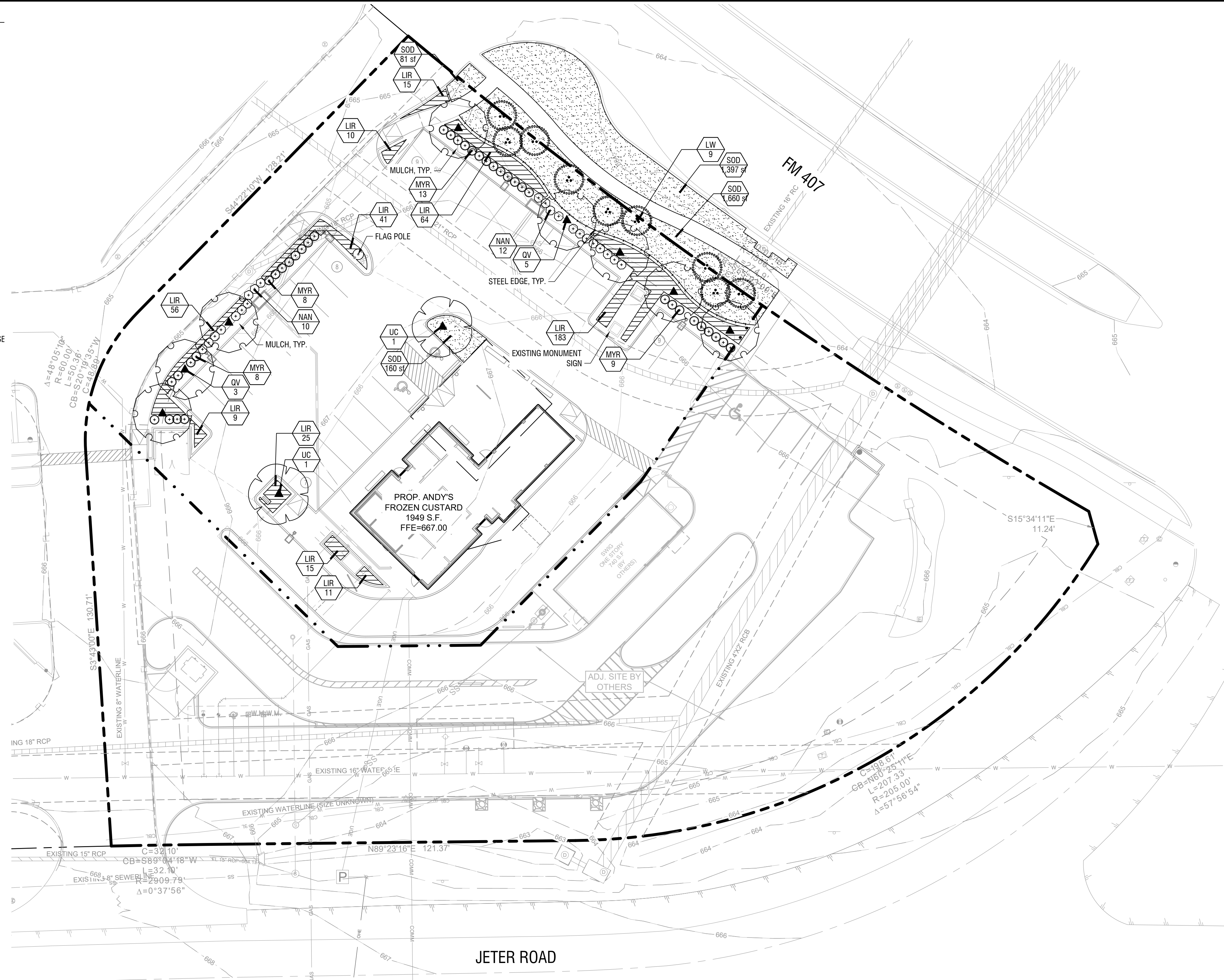
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	REMARKS
TREES					
	QV	8	QUERCUS VIRGINIANA / SOUTHERN LIVE OAK	3" CAL, 16' HT, 6' SPR	FULL, STRAIGHT, SINGLE LEADER
	UC	2	ULMUS CRASSIFOLIA / CEDAR ELM	3" CAL, 14' HT, 6' SPR	FULL, STRAIGHT, SINGLE LEADER
ORNAMENTAL TREE					
	LW	9	LAGERSTROEMIA X 'NATCHEZ' / WHITE CRAPE MYRTLE	8' HT, 4' SPR	FULL, 3 CANE MINIMUM, 1" PER CANE.
SHRUBS					
	MYR	38	MYRICA PUSILLA / DWARF WAX MYRTLE	24" HT, 18" SPR, 36" OC	FULL, MINIMUM 5 GALLON AND 24" HIGH AT TIME OF PLANTING.
	NAN	22	NANDINA DOMESTICA 'LEMON-LIME' / LEMON LIME NANDINA	24" HT, 18" SPR, 36" OC	FULL, MINIMUM 5 GALLON AND 24" HIGH AT TIME OF PLANTING.
GROUND COVERS					
	SOD	3,298 SF	CYNODON DACTYLON / COMMON BERMUDA GRASS	N/A	SOD TO HAVE TIGHT, SAND FILLED JOINTS. WEED, DISEASE AND PEST FREE.
	LIR	429	LIRIOPE MUSCARI / LIRIOPE	12" HT, 12" SPR, 18" OC	FULL, 1 GALLON MIN.
MISCELLANEOUS					
	STEEL EDGE	130 LF	STEEL EDGING		3/16" x 4" BLACK
	MULCH	TBD	SHREDDED HARDWOOD MULCH		3" DEPTH. ALL PROPOSED TREES IN SOD TO HAVE 4" DIAMETER MULCH RING

NOTE: PLANT QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. IN THE CASE OF A DISCREPANCY, THE DRAWING SHALL TAKE PRECEDENCE.

NOTE: PLANTS ARE TO BE SPECIFIED BY HEIGHT AND SPREAD, NOT CONTAINER SIZE. ALL PLANTINGS ARE EXPECTED TO MEET ALL SPECIFICATIONS PROVIDED.

TOWN OF BARTONVILLE, TX			
	REQUIRED	PROVIDED	
(18.2.a) STREET TREES SHALL BE PLANTED AT THE RATE OF ONE (1) TREE FOR EVERY THIRTY (30) FEET, OR MAJOR FRACTION THEREOF, OF STREET FRONTAGE. $147.16 LF / 30 = 4.91 = 5$ TREES	5 TREES	5 TREES	
(J.1) A MINIMUM OF TEN (10) PERCENT OF THE GROSS PARKING AREAS SHALL BE DEVOTED TO LIVING LANDSCAPING THAT INCLUDES GRASS, GROUND COVER, PLANTS, SHRUBS AND TREES. $6,469.23 SF \times 0.10 = 647 SF$	647 SF	971 SF	
(J.1.b) THERE SHALL BE A MINIMUM OF ONE (1) NATIVE OVERSTORY TREE PLANTED FOR EACH FOUR HUNDRED (400) SQUARE FEET OR FRACTION THEREOF OF REQUIRED INTERIOR LANDSCAPE AREA. $647 SF / 400 = 1.62 = 2$ TREES	YES	YES *	
(J.1.c) PLANTER ISLANDS MUST BE LOCATED NO FURTHER APART THAN EVERY TWELVE (12) PARKING SPACES AND AT THE TERMINUS OF ALL ROWS OF PARKING. SUCH ISLANDS SHALL CONTAIN AT LEAST ONE (1) OVERSTORY TREE. 5 PLANTER ISLANDS = 5 TREES	5 TREES	5 TREES **	
(J.2.a) A PERIMETER LANDSCAPE AREA OF AT LEAST FIFTEEN (15) FEET IN DEPTH SHALL BE MAINTAINED BETWEEN THE ABUTTING PUBLIC RIGHT-OF-WAY AND THE OFF-STREET PARKING OR VEHICULAR USE AREA.	YES	YES	
(J.2.b) THE FOLLOWING PLANTING MATERIALS SHALL BE REQUIRED WITHIN A LANDSCAPE BARRIER AS SPECIFIED HEREIN: - ONE (1) OVERSTORY TREE PER FIFTY (50) LINEAR FEET OF FRONTAGE - THREE (3) UNDERSTORY TREES PER FIFTY (50) LINEAR FEET OF FRONTAGE - CURVILINEAR BERM MEASURING A MINIMUM OF THREE (3) FEET IN HEIGHT OR A HEDGE ROW CREATING A SOLID VEGETATIVE SCREEN AT MATURITY OF THE PLANT MATERIALS. $147.16 LF / 50 = 2.94 = 3$ OVERSTORY TREES *** $147.16 LF / 50 = 2.94 \times 3 = 8.82 = 9$ UNDERSTORY TREES	9 UNDERSTORY TREES BERM OR VEGETATIVE SCREEN	9 UNDERSTORY TREES VEGETATIVE SCREEN	
* PER SECTION 18.5.K, PLANTING REQUIREMENTS SHALL NOT BE CUMULATIVE AND PLANTING MATERIALS REQUIRED TO MEET ONE SECTION OF THE ORDINANCE MAY BE CREDITED TOWARD THE REQUIREMENTS TO MEET OTHER SECTIONS OF THE ORDINANCE. REQUIRED LANDSCAPE AREA TREES BEING MET WITH PROVIDED INTERIOR PARKING LOT TREES.			
** PLANTER ISLAND TREES PROVIDED ELSEWHERE ON SITE WHERE SITE CONSTRAINTS EXIST.			
*** PER SECTION 18.5.K, PLANTING REQUIREMENTS SHALL NOT BE CUMULATIVE AND PLANTING MATERIALS REQUIRED TO MEET ONE SECTION OF THE ORDINANCE MAY BE CREDITED TOWARD THE REQUIREMENTS TO MEET OTHER SECTIONS OF THE ORDINANCE. REQUIRED LANDSCAPE BARRIER OVERSTORY TREES BEING MET WITH PROVIDED STREET TREES.			

LANTANA DISTRICT, TX			
	REQUIRED	PROVIDED	
(2) PLANT MATERIALS, SHRUBS AND GROUNDCOVER BED AREA SHALL CONTRIBUTE TO NO LESS THAN 15% OR MORE THAN 50% OF THE TOTAL FRONT YARD AREA. $9,993.28 SF \times 0.15 = 1,499 SF MIN$ $9,993.28 SF \times 0.50 = 4,997 SF MAX$	1,499 SF	1,565 SF	
(7) PARKING LOT SCREENING: ALL PARKING MUST BE SCREENED FROM THE STREET BY A COMBINATION OF TREES AND A CONTINUOUS HEDGE TO MATCH ADJACENT PROPERTIES.	YES	YES	
(19) PARKING LOT LANDSCAPING: SHADE TREES SHALL BE PROVIDED IN PLANTER ISLANDS AT A MINIMUM RATIO OF 1 TREE PER 40 PARKING SPACES. NO PARKING SPACE SHALL BE MORE THAN SIXTY FEET (60) FROM A PLANTER ISLAND WITH A SHADE TREE. $27 PARKING SPACES / 40 = 0.68 = 1$ TREE	YES	YES	
(20) MISCELLANEOUS / OTHER: STREET TREES SHALL BE PROVIDED ALONG ALL STREETS CAPES AT A RANGE OF THIRTY FEET (30) TO FORTY FEET (40) O.C. SPACINGS.	YES	YES	



- PLANTING NOTES**
- ALL PLANT MATERIAL SHALL BE INSTALLED ACCORDING TO SOUND NURSERY PRACTICES AND SHALL MEET ALL STANDARDS AS STATED IN THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
 - NO SUBSTITUTIONS IN PLANT MATERIALS SHALL BE MADE WITHOUT WRITTEN AUTHORIZATION FROM OWNER OR LANDSCAPE ARCHITECT. IN THE EVENT OF DISCREPANCIES BETWEEN THE DRAWING AND THE PLANT LIST, THE DRAWING SHALL PREVAIL.
 - LOCATE ALL UTILITIES PRIOR TO ANY DIGGING OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO EXISTING UTILITIES INCURRED BY HIS WORK.
 - REFERENCE IRRIGATION PLAN FOR BED IRRIGATION INFORMATION.
 - STAKING AND GUYING ALTERNATIVES: METHODS INDICATED IN DRAWING DETAILS ARE PREFERRED. CONTRACTOR MAY SUGGEST ALTERNATE METHODS, ASSUMING FULL RESPONSIBILITY FOR THEIR IMPLEMENTATION. CONTRACTOR SHALL REPLACE, PLANT, OR UPRIGHT ANY TREES BLOWN OVER OR DAMAGED DUE TO INADEQUATE STAKING AT NO ADDITIONAL COST TO THE OWNER.
 - PLANTS MASSES IN BEDS SHALL BE ARRANGED USING TRIANGULAR SPACING.
 - PROVIDE A STEEL EDGE OR CONCRETE MOW STRIP BETWEEN ALL PLANTING BEDS AND LAWN AREAS. REFERENCE SITE PLAN.
 - ALL PLANTING BEDS TO BE TOP DRESSED WITH A MINIMUM OF 3" SHREDDED HARDWOOD MULCH, UNLESS OTHERWISE SPECIFIED.
 - PROVIDE GRASS SEEDING OR LAY BERMUDA SOD FOR PROPOSED LAWN AREAS TO ALL EDGES OF PAVEMENT AND/ OR LIMITS OF DISTURBANCE OUTSIDE R.O.W. OR PROPOSED LANDSCAPE EASEMENT. PROVIDE IRRIGATION AS NECESSARY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPING UNTIL FINAL ACCEPTANCE. ALL REQUIRED LANDSCAPING SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THE WORK SHALL INCLUDE, BUT NOT TO BE LIMITED TO, MOWING, EDGING, PRUNING, FERTILIZING, WATERING, WEEDING, AND OTHER SUCH ACTIVITIES COMMON TO THE MAINTENANCE OF LANDSCAPING. ALL PLANT MATERIALS SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR. PLANT MATERIAL THAT DIES SHALL BE REPLACED WITH THE PLANT MATERIAL OF SIMILAR SIZE AND VARIETY.
 - CONTRACTOR SHALL WARRANTY PLANT MATERIAL TO REMAIN ALIVE AND HEALTHY FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE. WARRANTY SHALL NOT INCLUDE DAMAGE FOR LOSS OF PLANT MATERIAL DUE TO NATURAL CAUSES, ACTS OF VANDALISM OR NEGLIGENCE ON THE PART OF THE OWNER.
 - ALL DISTURBED AREAS WITHIN LIMITS OF CONSTRUCTION NOT CALLED TO BE SODDED, SHALL BE REESTABLISHED WITH BERMUDA SOD AND IRRIGATED.
 - ALL LANDSCAPE BEDS TO HAVE TOPSOIL/BEDDING MIX THAT MEETS LANDSCAPE SPECIFICATIONS. INSTALL TO DEPTHS, PER PLANTING DETAILS (1/2" DEPTH MIN.) FINISHED GRADES OF PLANTING BEDS TO BE 2" BELOW FINISHED GRADE OF ADJACENT PAVING OR AS SHOWN ON GRADING PLAN.
 - ALL SOD AREAS TO RECEIVE 4" DEPTH (MIN) TOPSOIL PRIOR TO INSTALLATION. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE, pH RANGE OF 5.5-7.4, AND FREE OF TRASH, DEBRIS, STONES, WEEDS, AND TWIGS/BRANCHES.
 - ALL DISTURBED AREAS IN R.O.W. TO BE RE-ESTABLISHED WITH BERMUDA SEED OR SOD AND IRRIGATED UNLESS OTHERWISE SHOWN ON PLANS.
 - ALL TREES TO BE PLACED A MINIMUM OF 4' FROM ANY UTILITY.

NO.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
FORT WORTH, TEXAS 76102
PHONE: 817-356-6511 FAX: 817-356-5070
TEXAS REGISTERED ENGINEERS FROM F-928

FOR REVIEW ONLY
Not for construction or permit purposes.

Kimley»Horn

P.L.A. ALYSA L. GARNICKI
I.A. No. 3547 Date 12/4/2023

PROJECT No.	DEC. 2023	C/C	C/C
DATE:	AS SHOWN	C/C	C/C
SCALE:	DESIGNED BY:	C/C	C/C
DRAWN BY:	CHECKED BY:	ALG	

ANDY'S LANTANA

LANDSCAPE PLAN

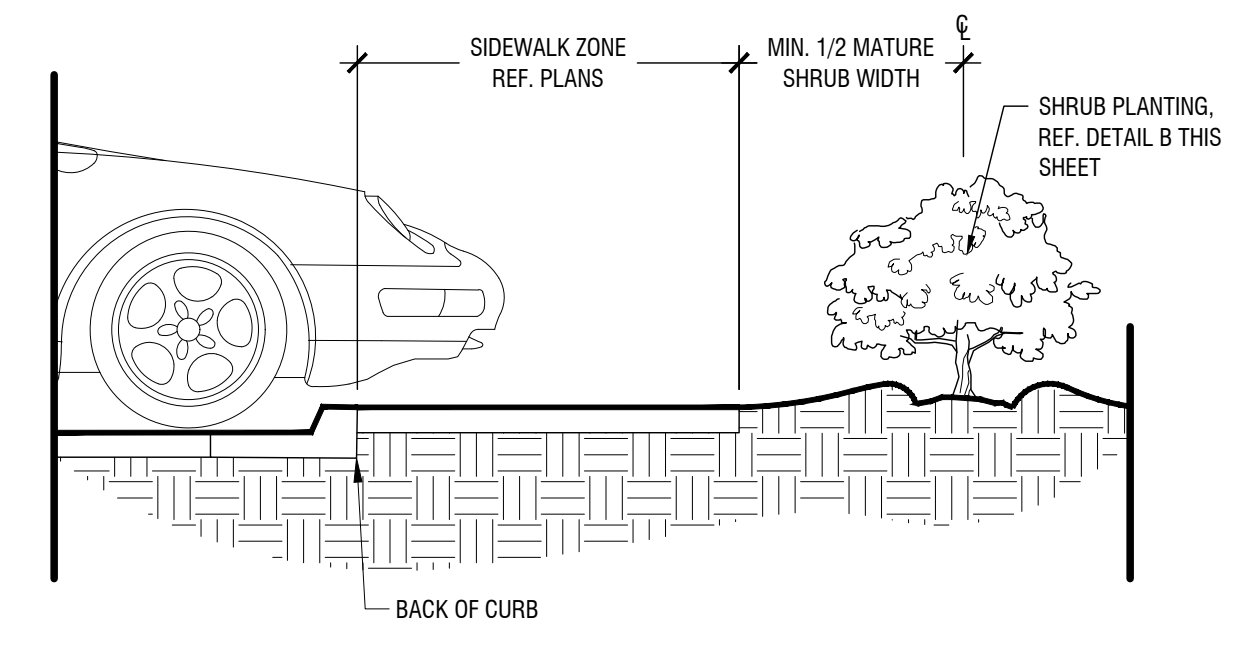
SHEET NUMBER
LP 1.01

PLOTTED BY: GARNICKI, ALYSA (HORN) 12/20/23 12:37 PM
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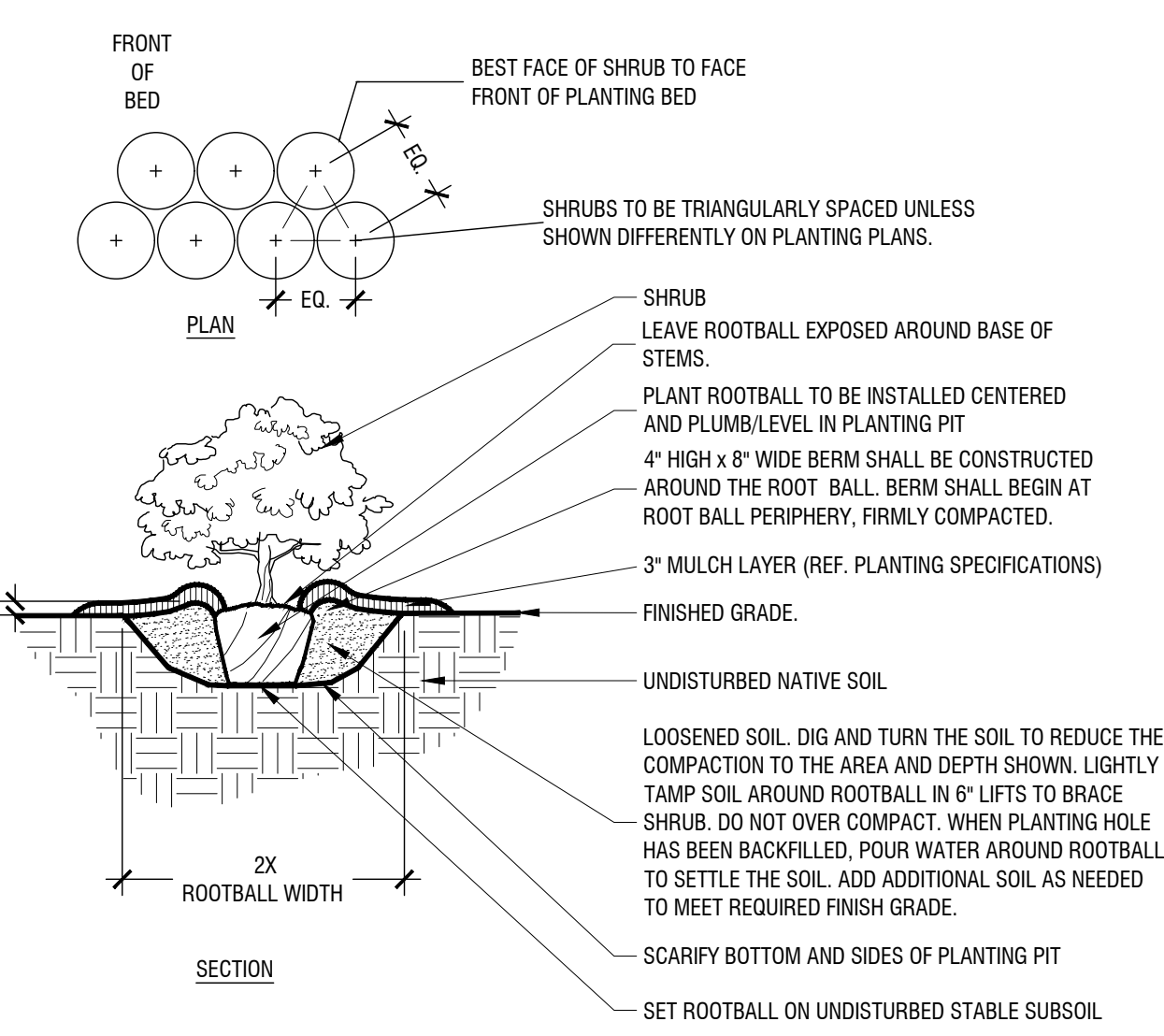
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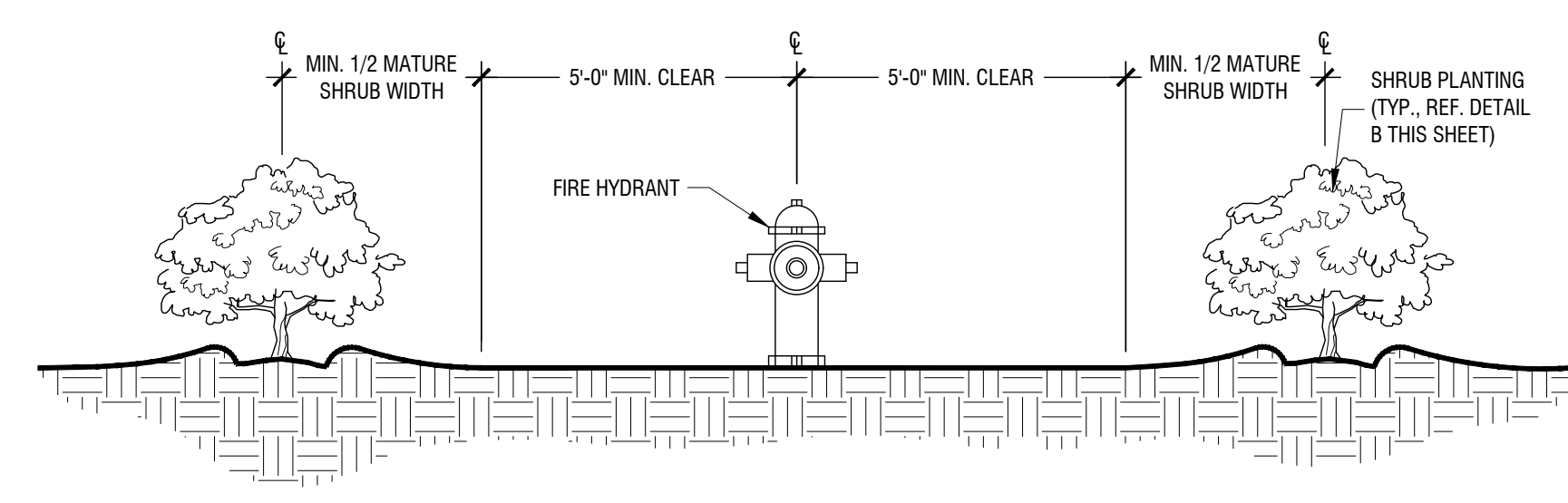
NOTES:
 1. REF. PLANTING AND PLANTING SOIL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. REF. PLANTING SCHEDULE AND PLANTING PLANS FOR SPACING/LAYOUT.
 3. WHEN SHRUBS ARE MASSES TOGETHER WITH GROUNDCOVER BEDS, ALL SOIL IN BED TO BE AMENDED. (REF. PLANTING SPECIFICATIONS)



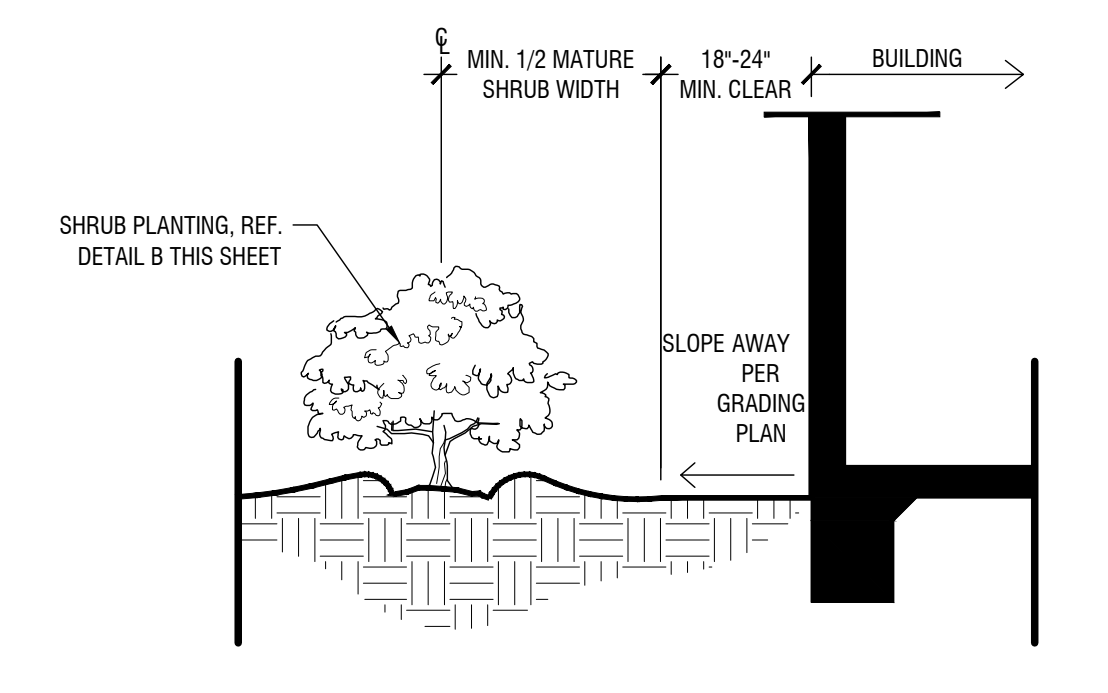
Shrub Planting at Sidewalk
 Scale: NTS



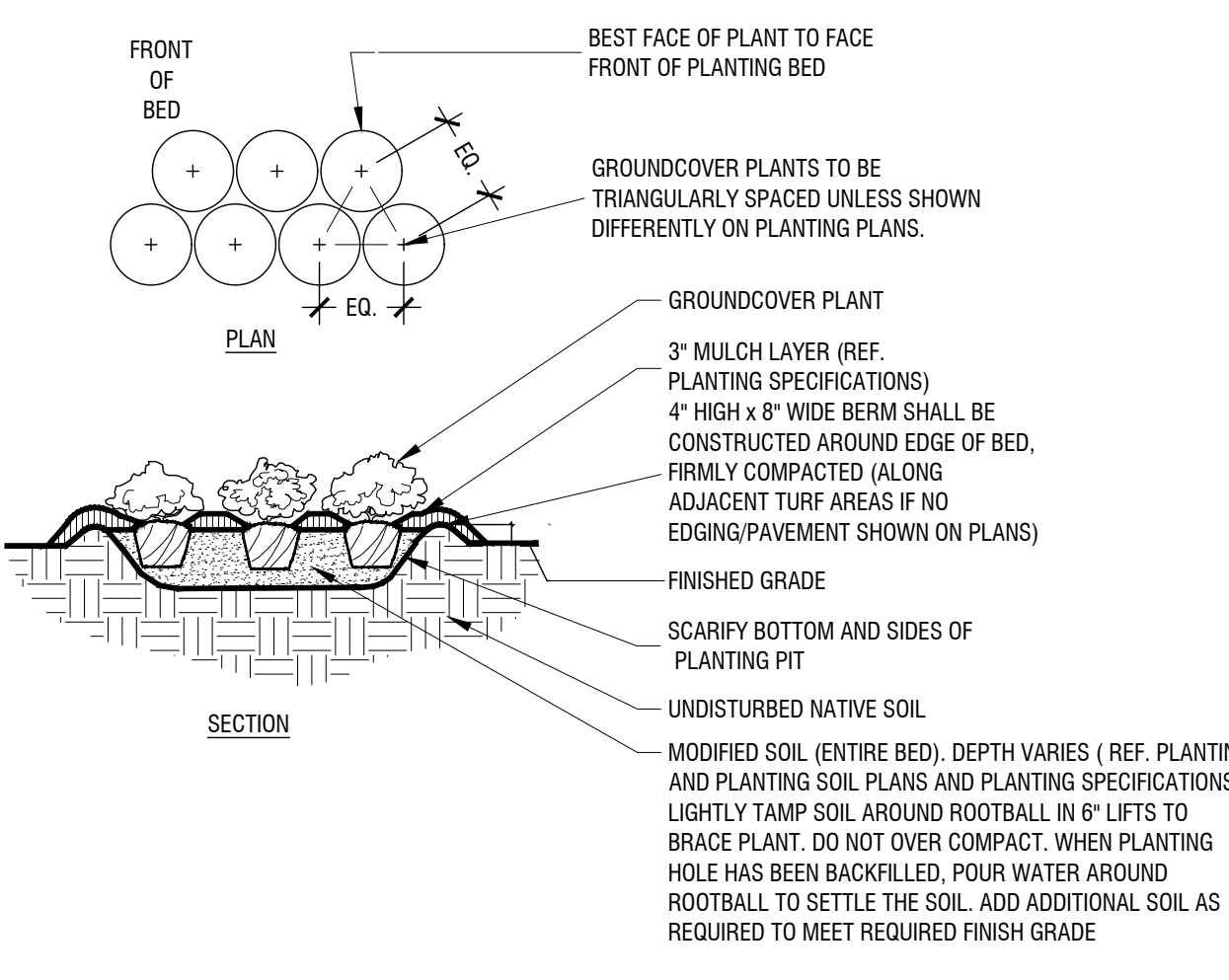
Typical Shrub Planting
 Scale: NTS



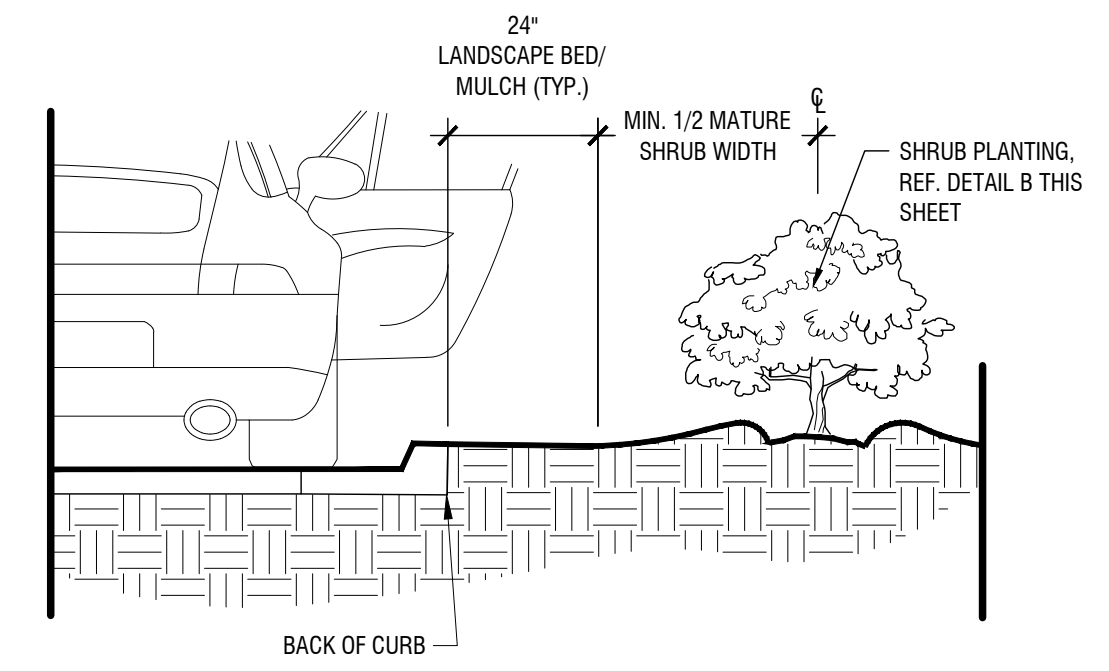
Shrub Planting at Fire Hydrant
 Scale: NTS



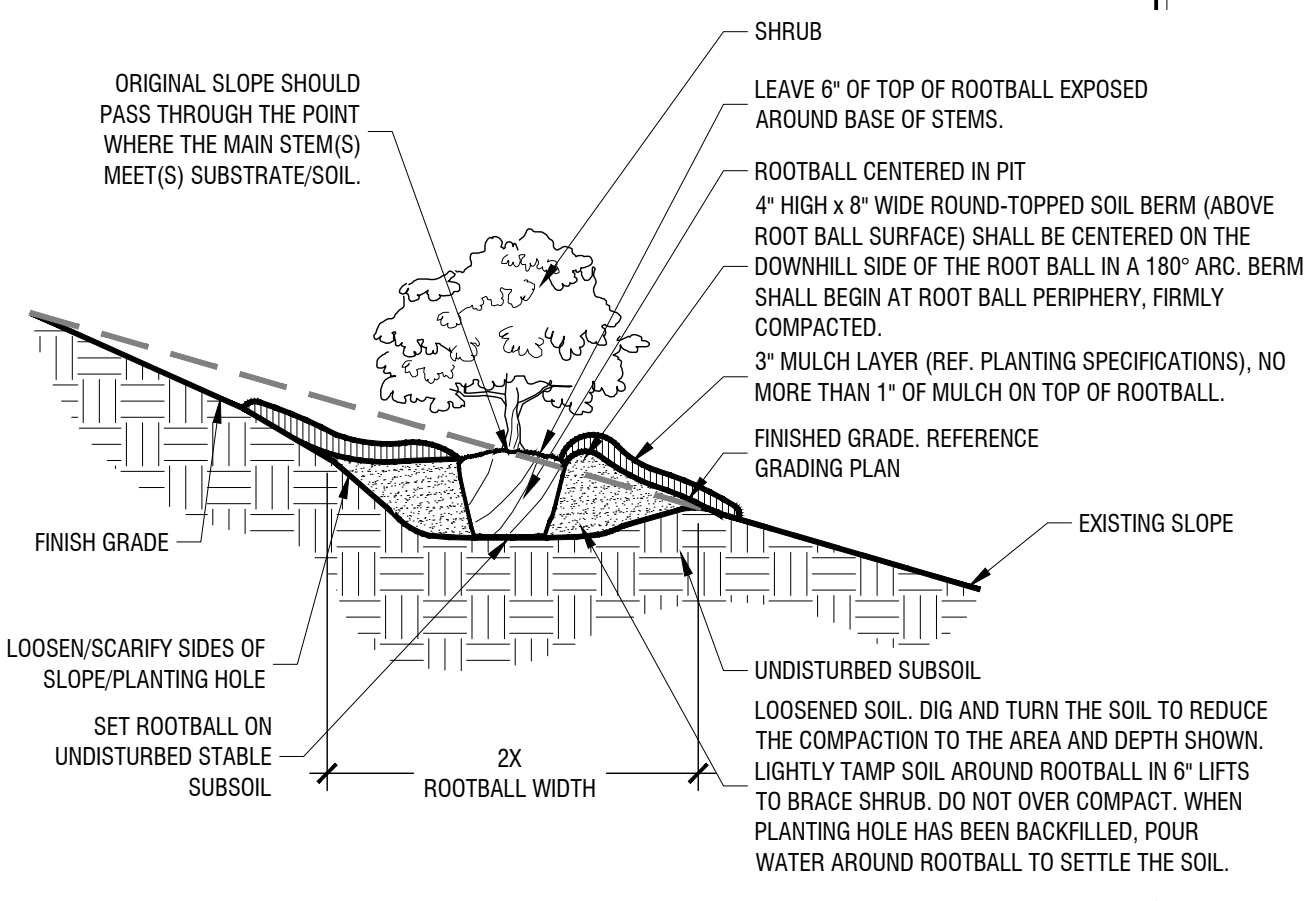
Shrub Planting at Building Edge
 Scale: NTS



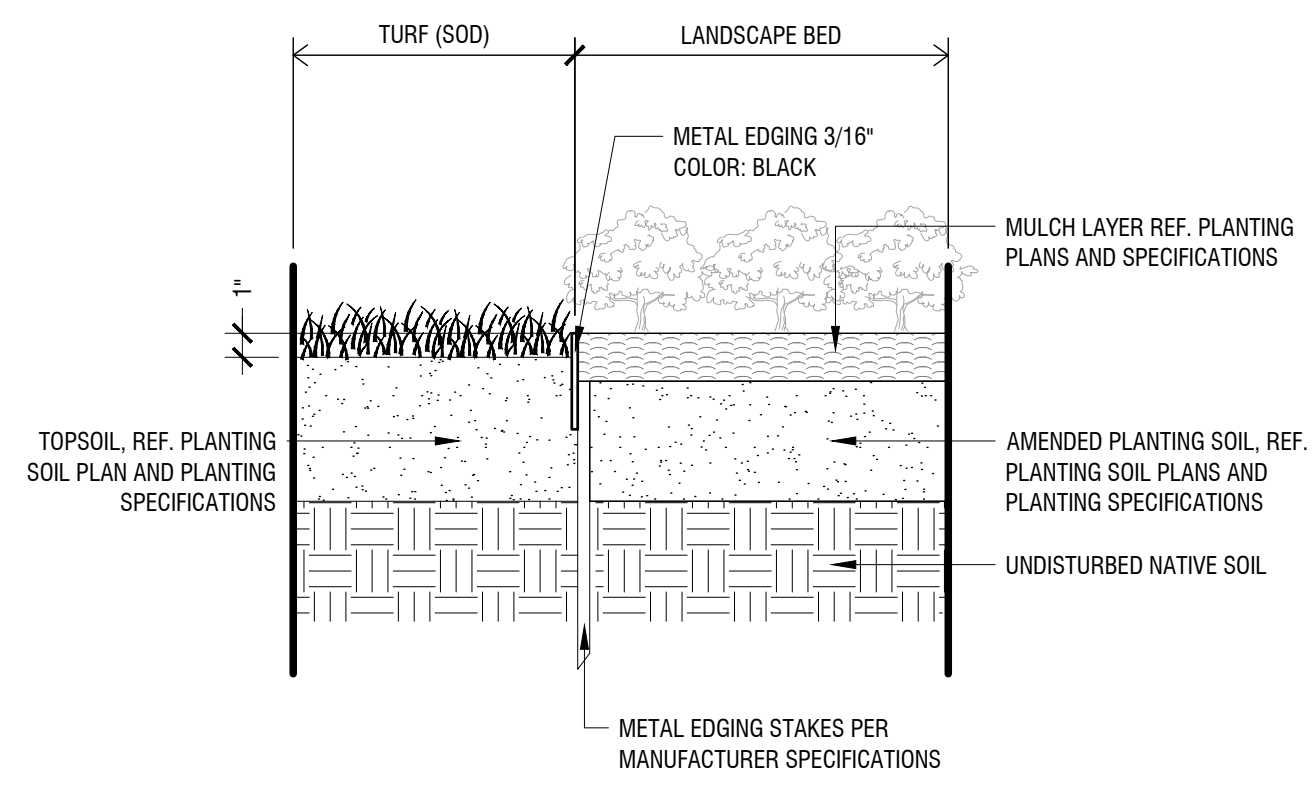
Typical Groundcover Planting
 Scale: NTS



Shrub Planting at Curb
 Scale: NTS



Shrub Planting On 5-50% (20:1 TO 2:1) Slope
 Scale: NTS



METAL EDGING (AT TURF & LANDSCAPE BED)
 Scale: 1 1/2" = 1'-0"

NO.	REVISIONS	DATE	BY

Kimley»Horn
 801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-336-6511 FAX: 817-336-5070
 TEXAS REGISTERED ENGINEERS FROM F-928

PUBLIC UTILITY
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 Not for construction or permit purposes.
Kimley»Horn
 P.L.A. ALYSSA L. GARDINSKI
 L.A. No. 3547 Date 12/04/2023

PROJECT No.	DEC. 2023
DATE:	0813383300
SCALE:	AS SHOWN
DESIGNED BY:	CJC
DRAWN BY:	CJC
CHECKED BY:	ALG

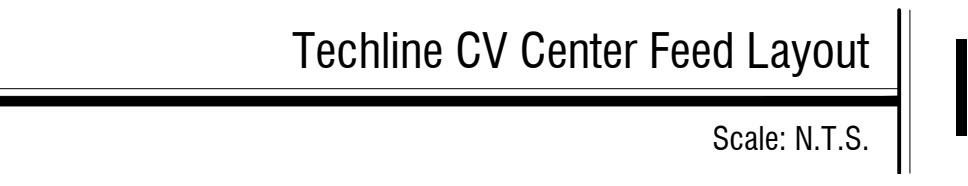
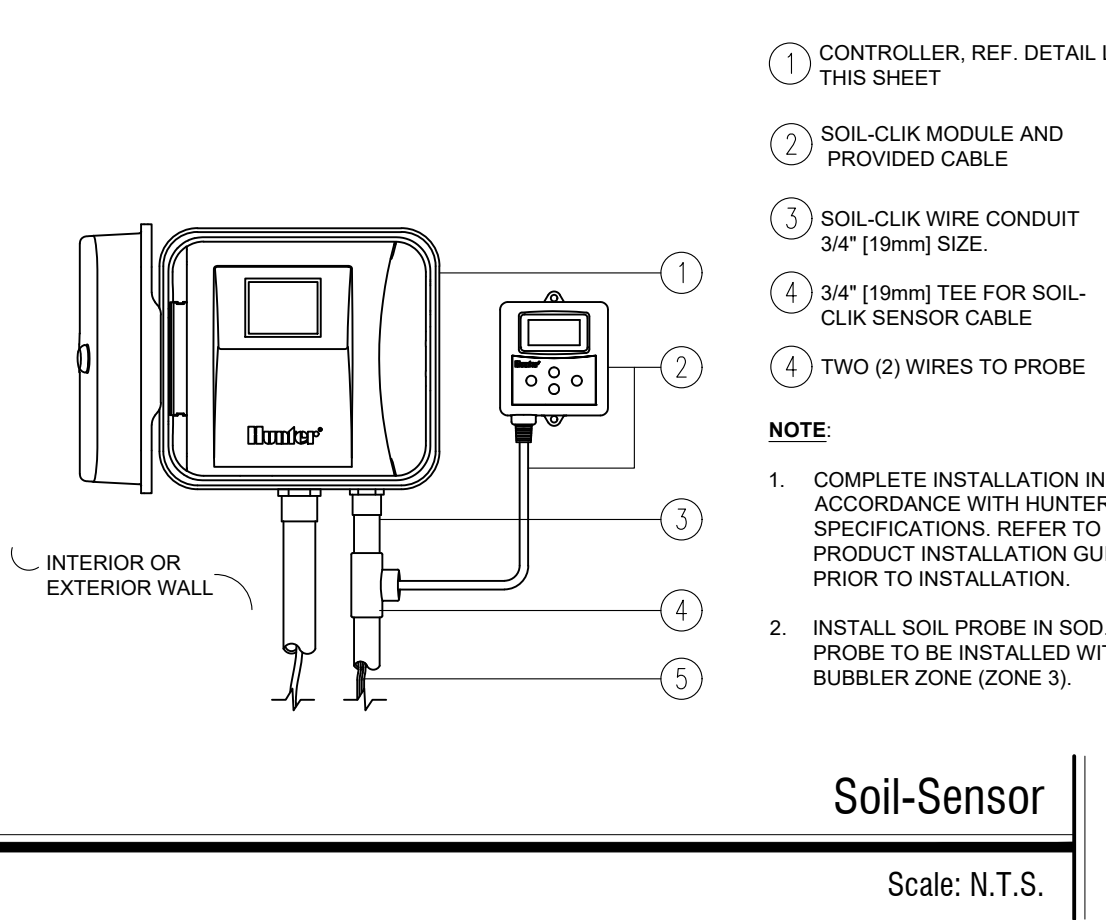
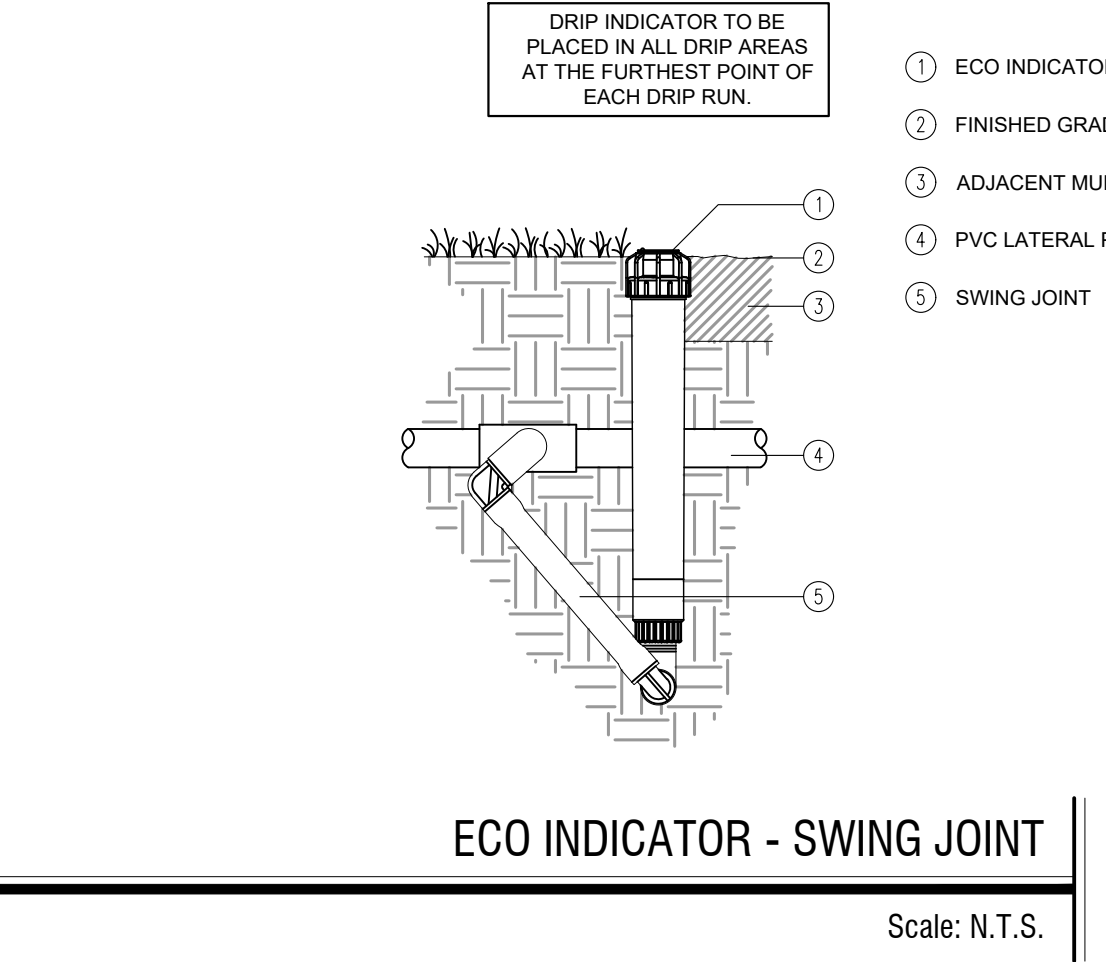
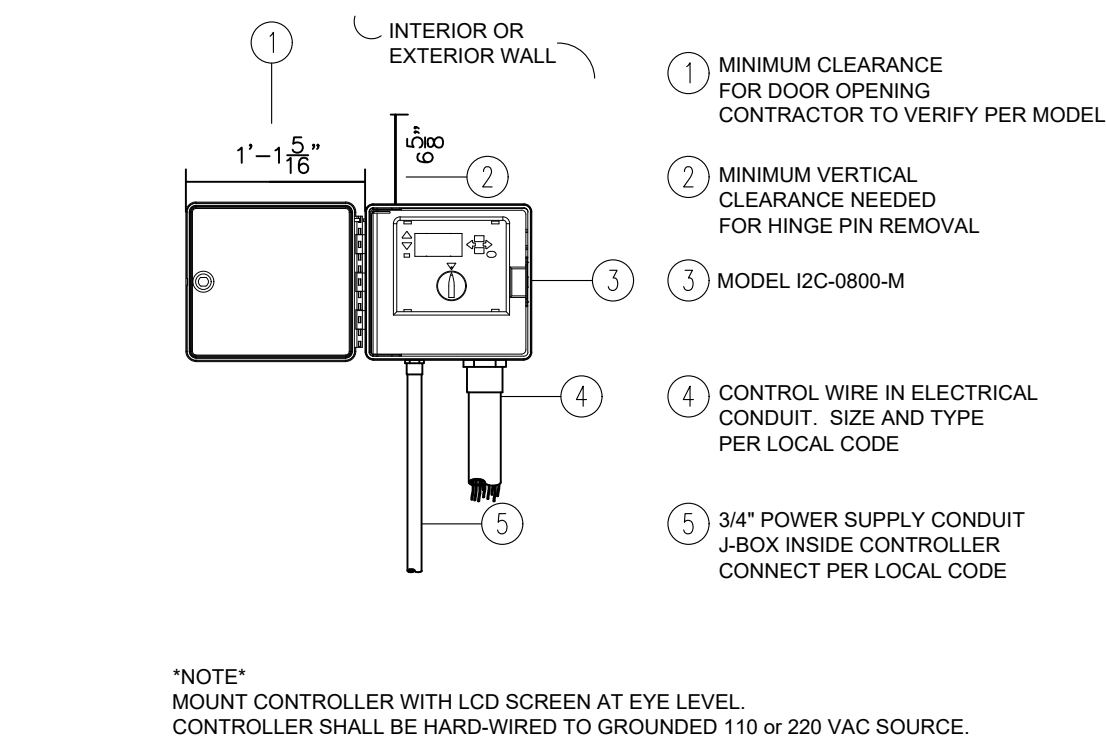
ANDY'S LANTANA

LANDSCAPE DETAILS

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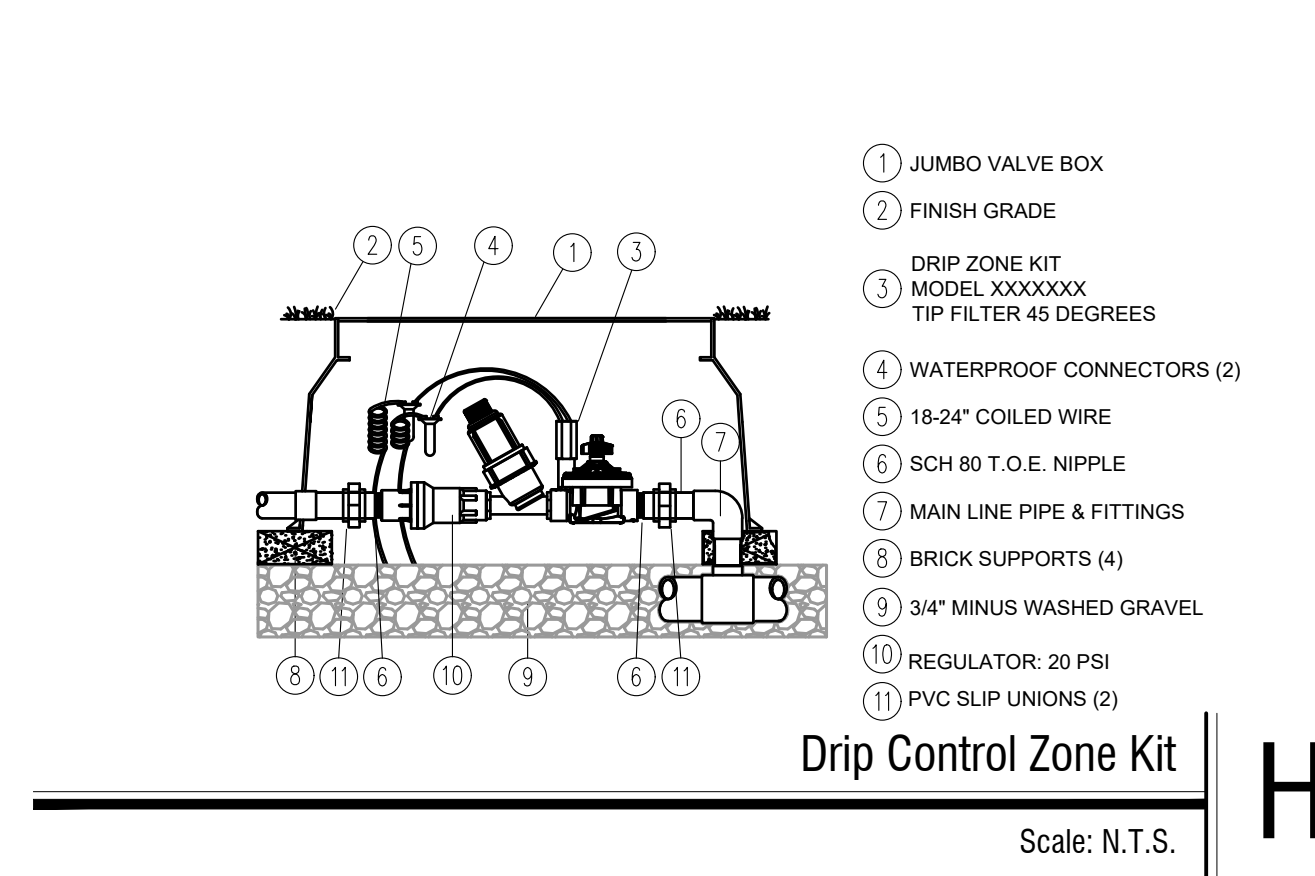
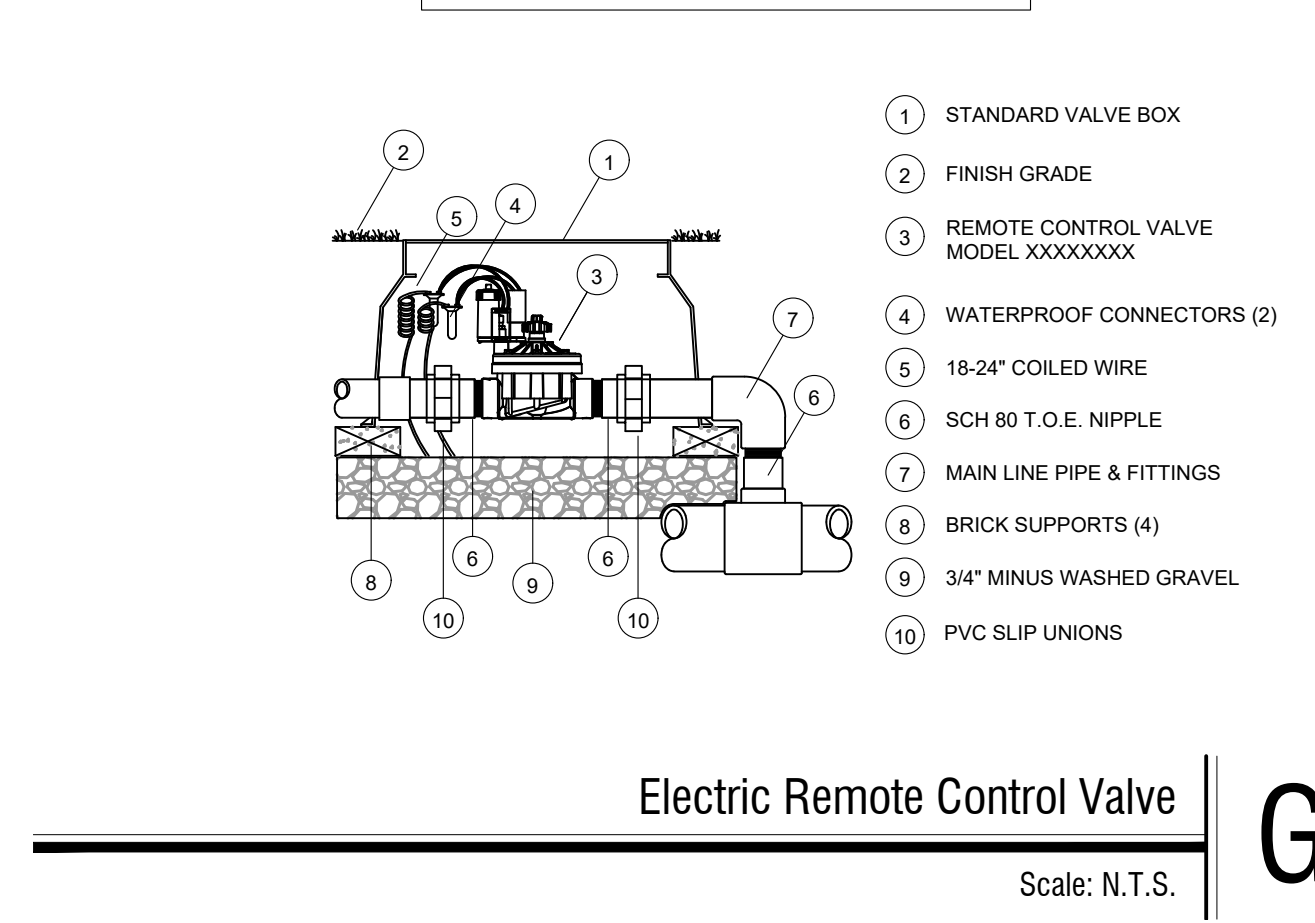
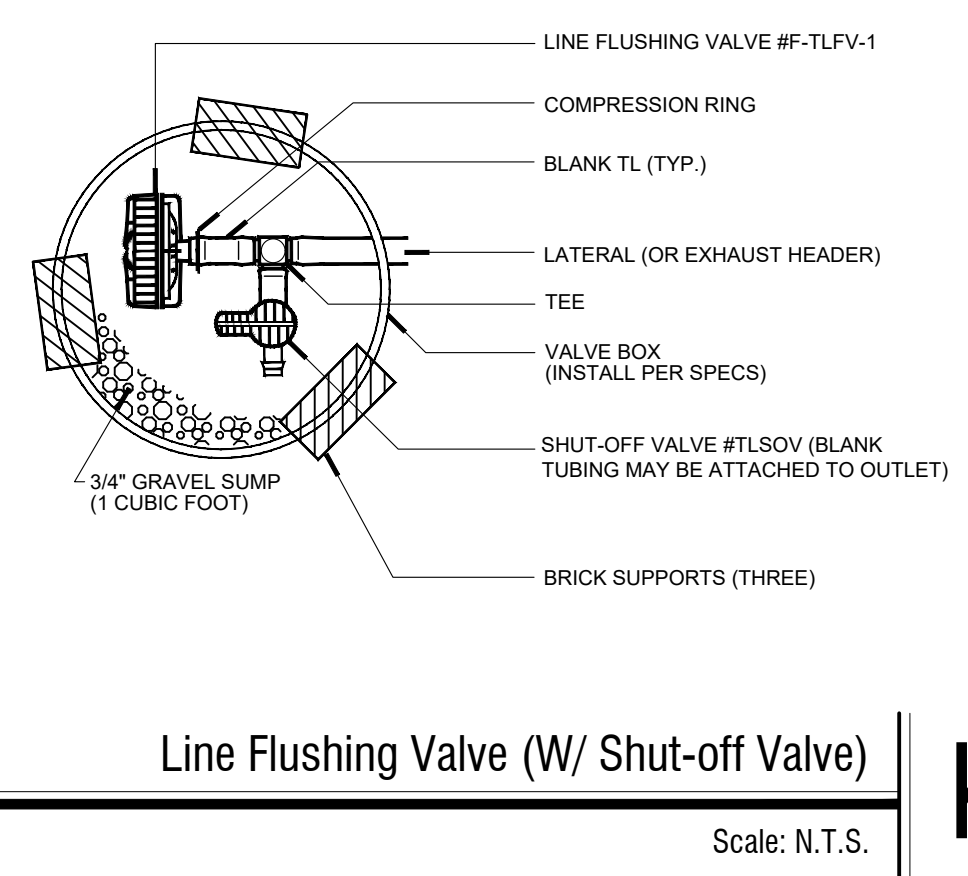
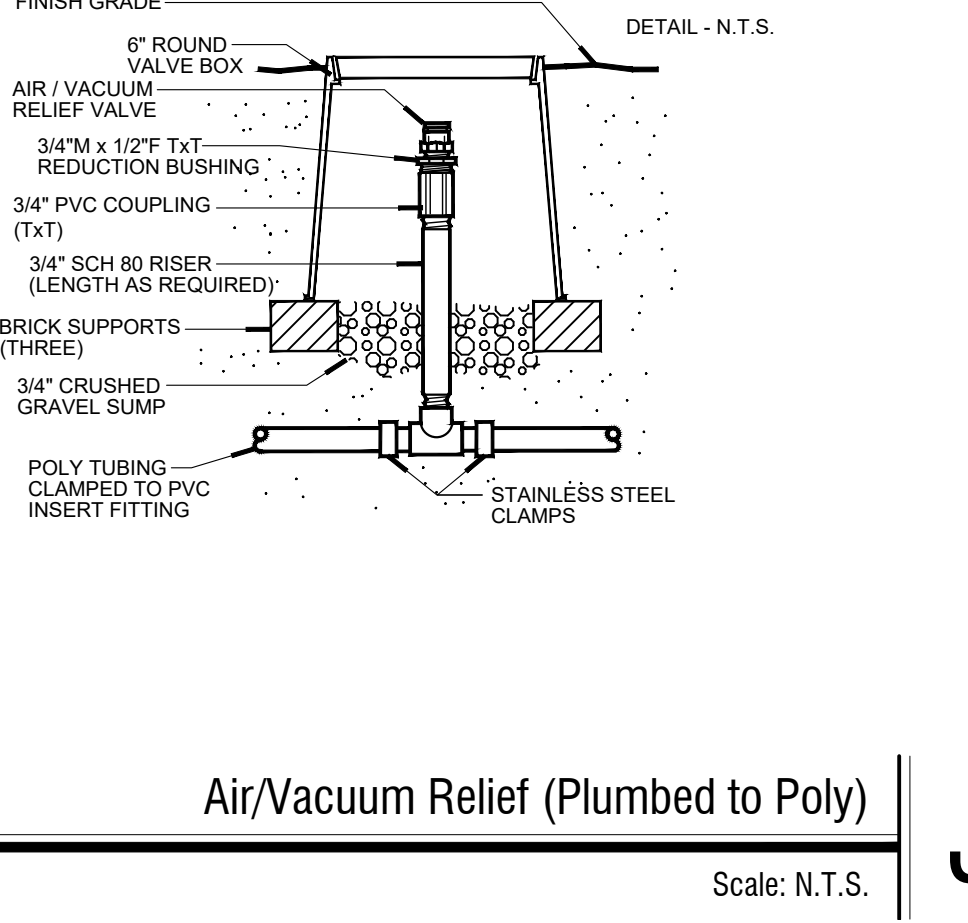
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 LAST SAVED: 12/20/23 12:22 PM
 PROJECT No: 0613383300
 DATE: DEC 2023
 SCALE: AS SHOWN
 DESIGNED BY: CJC
 DRAWN BY: CJC
 CHECKED BY: ALG

SHEET NUMBER
LI 2.01



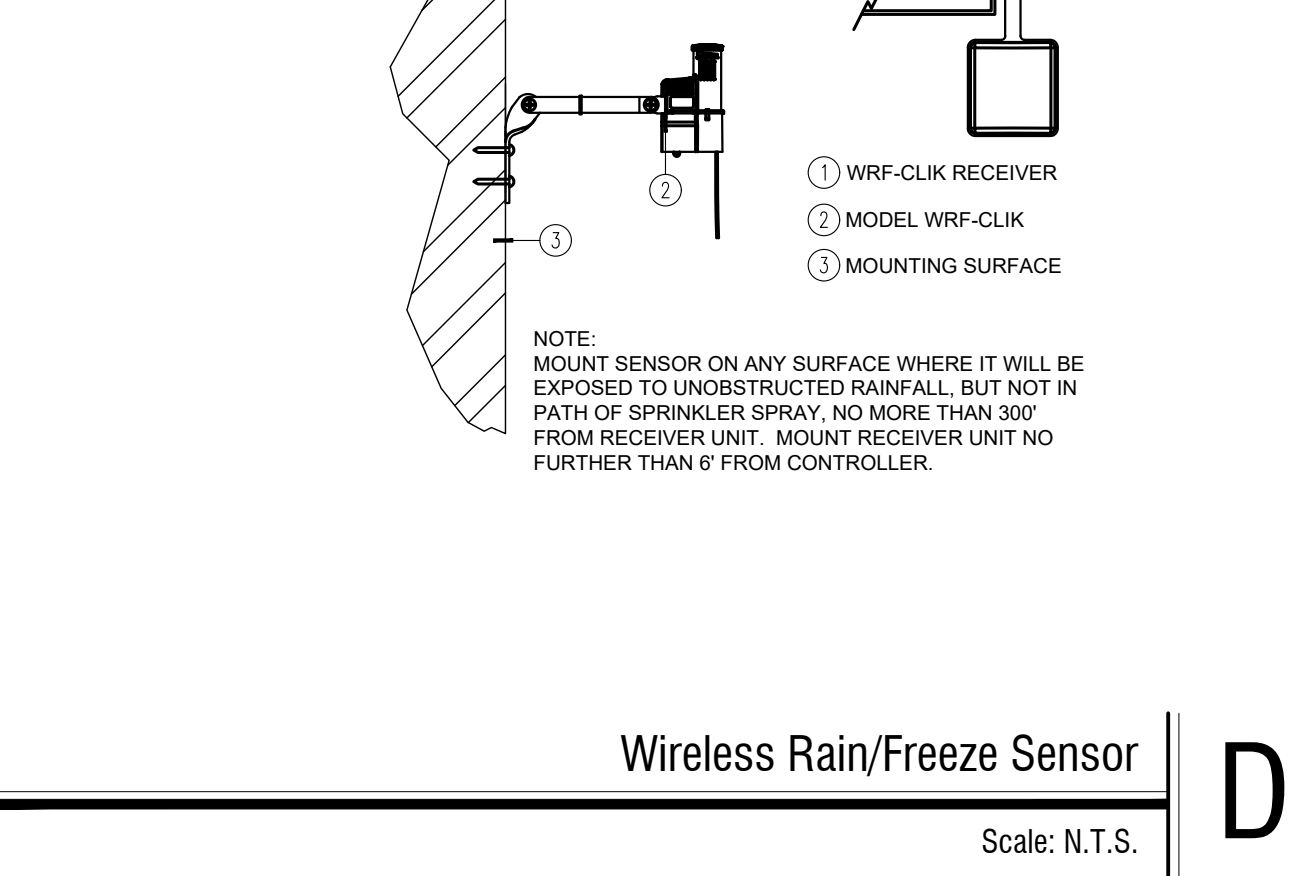
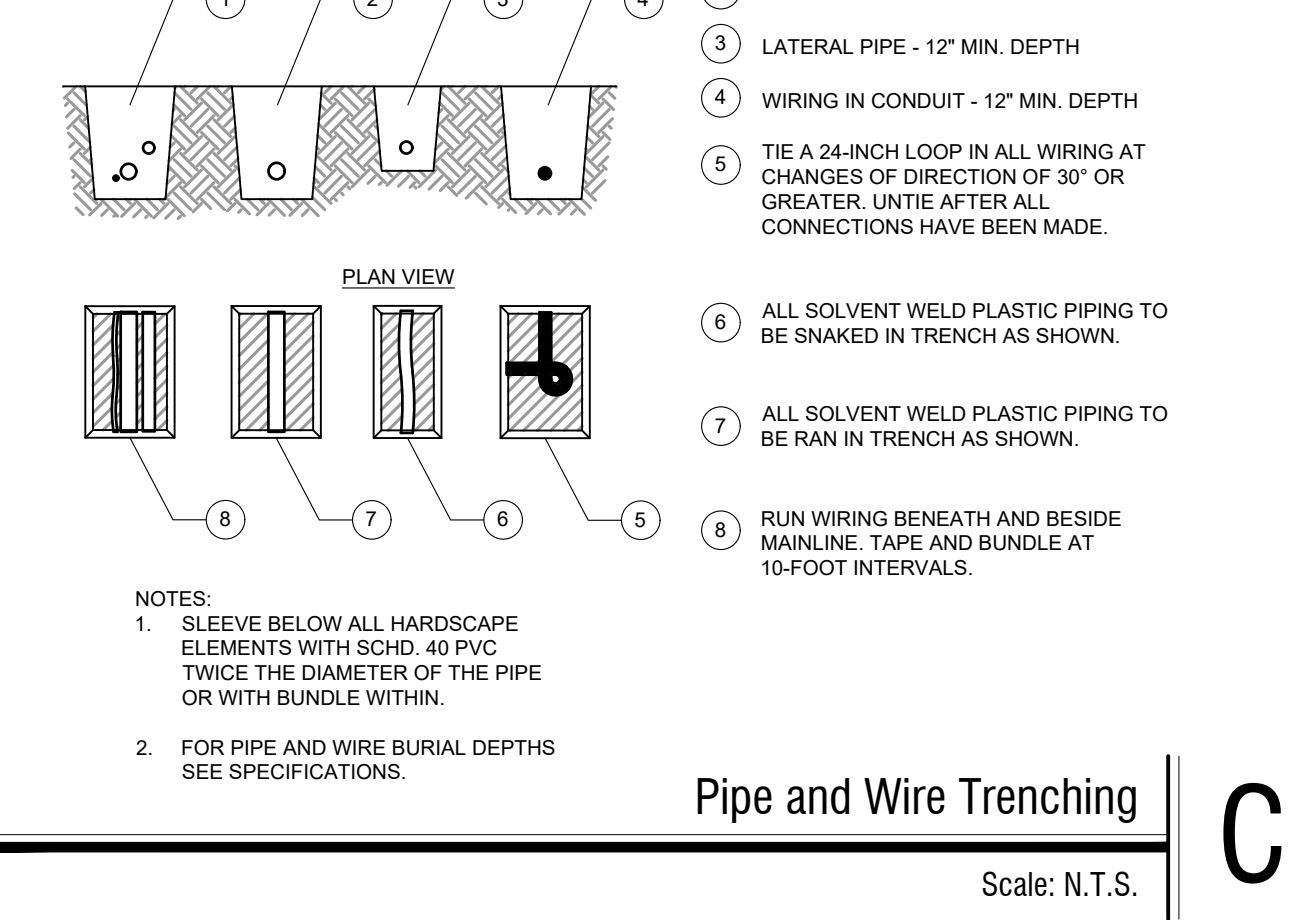
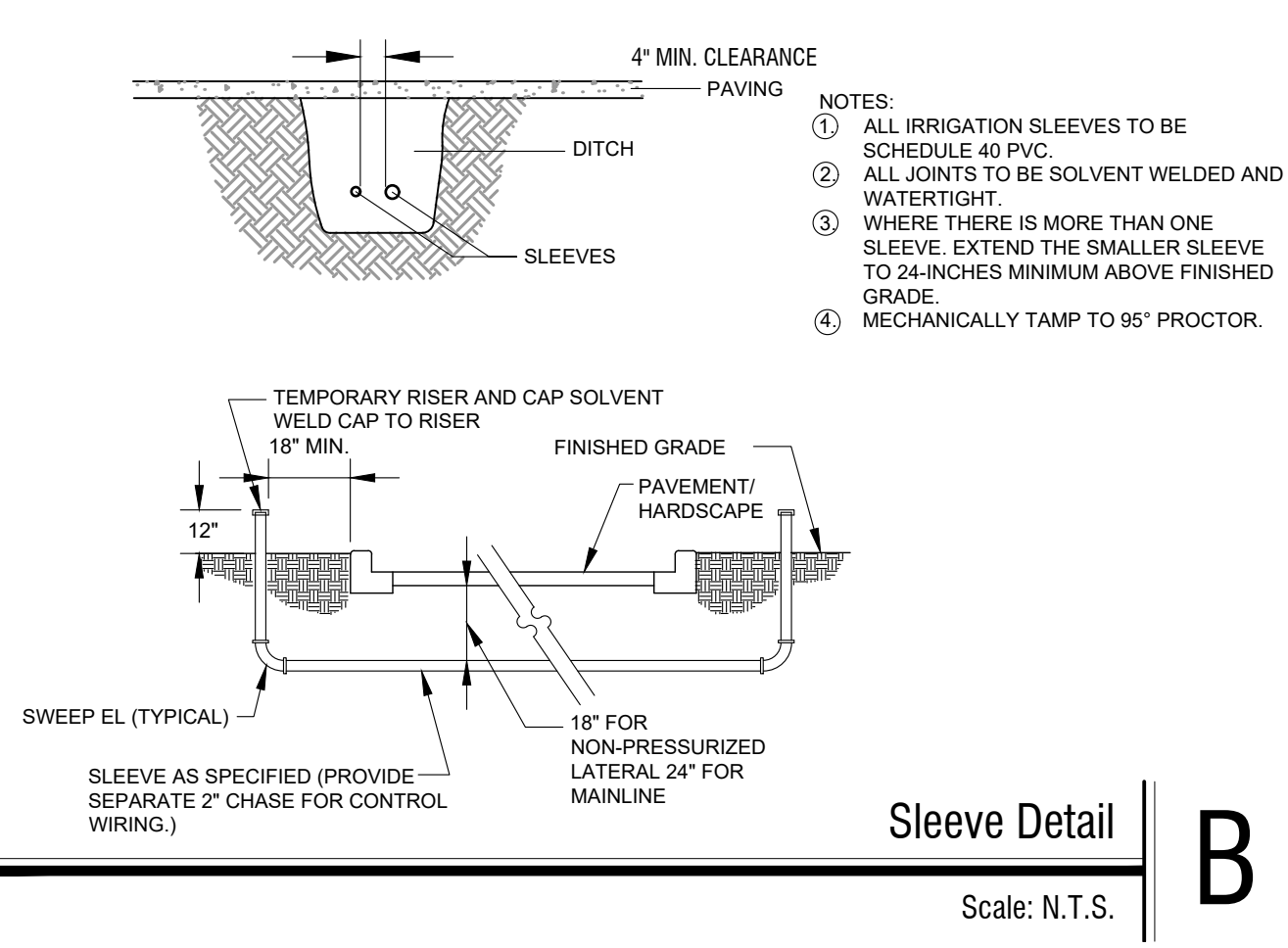
ALL BARBED FITTINGS TO UTILIZE EITHER STAINLESS STEEL HOSE CLAMPS, STEEL CRIMP, OR COMPRESSION RING.

TECHLINE CV MAXIMUM LENGTH OF A SINGLE LATERAL (FEET)	12"			18"			24"			
	0.26	0.4	0.6	0.9	0.26	0.4	0.6	0.9	0.6	0.9
20	331	242	190	144	468	344	270	204	342	260
25	413	302	238	180	584	429	338	257	430	326
35	518	380	299	227	737	540	426	323	542	412
45	594	436	343	260	845	620	489	371	622	472
55	655	480	378	287	932	684	539	410	686	522
60	681	580	393	298	969	713	561	426	716	544



Sleeve Schedule
Scale: N.T.S.

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTINGS	BELL AND GASKET FITTINGS	SOCKETED PIPE
1/2"	2"	--	2"
3/4"	2"	--	2"
1"	2 1/2"	--	2 1/2"
1 1/4"	3"	--	3"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	6"
3"	6"	6"	6"
4"	8"	8"	8"



No.	REVISIONS	DATE	BY

Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM F-928

Kimley»Horn

L.L. KENZEL PORTER
 L.L. No. 0005724 Date 12/14/2023

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IRRIGATION DETAILS

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IRRIGATION NOTES

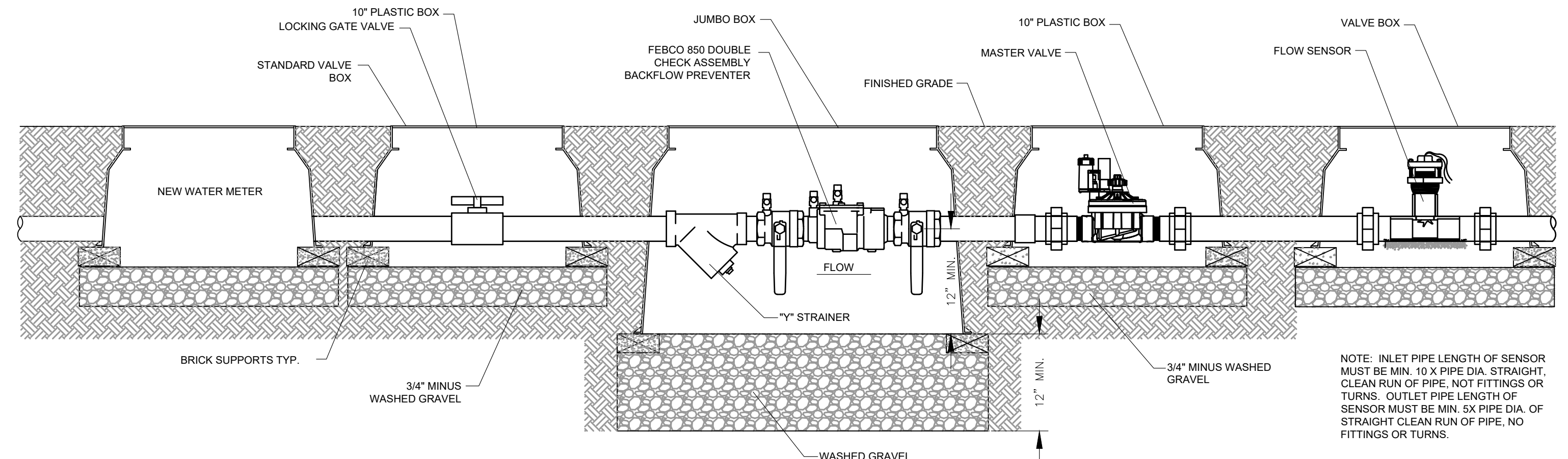
- IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC PRESSURE ON SITE PRIOR TO CONSTRUCTION. SHOULD EXISTING SITE PRESSURE BE BELOW 65 PSI, CONTRACTOR SHALL CONTACT THE IRRIGATION DESIGNER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE 100% COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.
- ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR.
- LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES.
- ELECTRICAL POWER SHALL BE PROVIDED WITHIN 5 FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. LICENSED IRRIGATION CONTRACTOR TO PROVIDE FINAL HARD WIRE TO CONTROLLER.
- 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF 14 GAUGE, U.L. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". CONTRACTOR TO CONFIRM WIRE SIZE PRIOR TO INSTALLATION. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF WIRE CONNECTOR U.L. APPROVED AND FILLED WITH SILICONE.
- IRRIGATION VALVES AND VALVE BOXES SHALL BE LOCATED IN LANDSCAPE BEDS OR GROUND COVER AREAS WHENEVER POSSIBLE. ALL REMOTE VALVE BOXES SHALL BE SET FLUSH WITH FINISHED GRADE AND CONTAIN ONE CUBIC FOOT OF CLEAN GRAVEL BENEATH VALVE. LABEL REMOTE BOXES WITH ONE-INCH ALPHA NUMERIC NOTATION CORRESPONDING TO THE APPLICABLE ALPHA CONTROLLER AND NUMERIC STATION. USE 10" ROUND VALVE BOXES FOR ELECTRIC VALVES AND QUICK COUPLING VALVES. USE 15" X 9" RECTANGULAR BOX FOR DRIP VALVES UNLESS NOTED OTHERWISE. DOUBLE CHECK ASSEMBLY SHALL BE BOXED ACCORDING TO LOCAL CODES.
- USE PVC SWING JOINT ASSEMBLIES TO CONNECT ALL SPRAY AND ROTOR HEADS.
- CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
- SLEEVES SHALL BE INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVE MATERIAL SHALL BE PVC, SCHD. 40. CONTRACTOR SHALL EXTEND SLEEVES 18 INCHES BEYOND EDGE OF ALL PAVEMENT. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED.
- DRIP LINE SHALL BE PLACED A MINIMUM OF 2" UNDER MULCH.
- LICENSED IRRIGATION CONTRACTOR SHALL ADJUST SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE AND ADJUST FOR MINIMUM OVERSPRAY ONTO PAVEMENT. NO OVERSPRAY IS PERMITTED ONTO STREETS OR SIDEWALKS.
- IRRIGATION CONTRACTOR SHALL SUPPLY AND CONSTRUCT IRRIGATION SYSTEM WITH ALL MATERIALS AND PER MANUFACTURER SPECIFICATIONS SHOWN ON THIS PLAN. IF CONTRACTOR PREFERENCES MATERIALS THAT DIFFER FROM THE THIS PLAN, THEY SHALL BE APPROVED BY THE IRRIGATION DESIGNER PRIOR TO CONSTRUCTION.
- VERIFY CONTROLLER AND RAIN SENSOR LOCATION AND MAINLINE POINT OF CONNECTION AT PROJECT SITE WITH OWNER.
- EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
- IRRIGATION LATERAL LINES, MAIN LINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN, ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
- SUPPLY LINE AND METER TO BE PROVIDED BY GENERAL CONTRACTOR. BACKFLOW PREVENTER TO BE PROVIDED BY IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR'S POINT OF CONNECTION TO BEGIN AFTER THE IRRIGATION WATER METER.
- IRRIGATION CONTRACTOR SHALL REVIEW WINTERIZATION PROCEDURES FOR IRRIGATION SYSTEM WITH OWNERS REPRESENTATIVE.
- ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
- MAINLINE, VALVES, AND WIRING ARE SHOWN ON DRAWINGS FOR CLARITY. SHOULD BE LOCATED IN ACCESSIBLE GREEN SPACE. CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES TO AVOID CONFLICTS WITH UTILITIES/STRUCTURES, ETC.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
- SET SPRAY HEADS 4" FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. "AS-BUILT" DRAWINGS TO BE COLOR CODED BY ZONE ON 8 1/2" X 11" LAMINATED, AND PLACED IN CONTROLLER.
- ALL DRIP ZONES SHALL BE INSTALLED WITH A SELF-FLUSHING DISC FILTER, OR APPROVED EQUAL.
- INSTALL ALL IRRIGATION COMPONENTS AS PER MANUFACTURERS REQUIREMENTS.
- IRRIGATION HEADS AND COMPONENTS SHALL BE LOCATED A MINIMUM OF 24" FROM ALL BUILDINGS TO AVOID ADVERSE PERFORMANCE OF FOUNDATIONS AND SLABS.
- NO LATERALS LESS THAN 3/4" DIAMETER.

GENERAL IRRIGATION SPECIFICATIONS AND NOTES

- A. EXTENT:**
 INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT FOR THE PROPER INSTALLATION OF THE IRRIGATION SYSTEM. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: (1) TRENCHING AND BACKFILL, (2) AUTOMATICALLY CONTROLLED LOW VOLUME IRRIGATION SYSTEM, (3) TEST ALL SYSTEMS AND MAKE OPERATIVE, (4) "AS-BUILT" DRAWINGS.
- B. GENERAL:**
- PERMITS AND FEES: OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING THE COURSE OF CONSTRUCTION SHALL BE ARRANGED AS REQUIRED, ON COMPLETION OF THE WORK, SATISFACTORY EVIDENCE SHALL BE FURNISHED TO THE OWNER'S CONSTRUCTION REPRESENTATIVE TO SHOW THAT ALL WORK HAS BEEN INSTALLED IN ACCORDANCE WITH THE STATE AND LOCAL BUILDING/PLUMBING CODE AND ALL OTHER CODE REQUIREMENTS.
 - APPROVAL: WHEREVER THE TERMS "APPROVE" OR "APPROVED" ARE USED IN THE SPECIFICATIONS, THEY SHALL MEAN THE APPROVAL OF THE OWNER'S CONSTRUCTION REPRESENTATIVE IN WRITING.
 - BEFORE ANY WORK IS STARTED, A CONFERENCE SHALL BE HELD BETWEEN THE CONTRACTOR AND THE OWNER'S CONSTRUCTION REPRESENTATIVE CONCERNING THE WORK UNDER THIS CONTRACT.
 - COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENABLE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.
 - INSPECTION OF SITE:
 - CONTRACTOR SHALL ACCQUANT THEMSELVES WITH ALL SITE CONDITIONS. SUBMISSION OF THEIR PROPOSAL SHALL BE CONSIDERED EVIDENCE THAT THE EXAMINATION HAS BEEN CONDUCTED. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S CONSTRUCTION REPRESENTATIVE FOR INSTRUCTIONS AS TO FURTHER ACTION. FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THERE TO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.
 - CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN THE LAYOUT AS MAY BE REQUIRED TO CONNECT TO EXISTING STRUCTURES. SHOULD SUCH STUBS NOT BE LOCATED EXACTLY AS SHOWN, AND AS MAY BE REQUIRED TO WORK AROUND EXISTING WORK AT NO INCREASE IN COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
 - PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS: THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS TO REMAIN. SHOULD DAMAGE BE INCURRED, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
 - THE OWNER RESERVES THE RIGHT TO SUBSTITUTE, ADD, OR DELETE ANY MATERIAL OR WORK AS THE WORK PROGRESSES. ADJUSTMENTS TO THE CONTRACT PRICE SHALL BE NEGOTIATED IF DEEMED NECESSARY BY THE OWNER ON A PER DIEM BASIS.
 - THE OWNER RESERVES THE RIGHT TO REJECT MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS. REJECTED WORK SHALL BE REMOVED OR CORRECTED AT THE EARLIEST TIME POSSIBLE.
 - WORK SCHEDULE: WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WORK SCHEDULE.
 - "AS-BUILT" IRRIGATION DRAWINGS: PREPARE AN "AS-BUILT" DRAWING ON A FULL-SIZE PLAN SET WHICH SHALL SHOW DEVIATIONS FROM THE BID DOCUMENTS MADE DURING CONSTRUCTION AFFECTING THE MAIN LINE PIPE, CONTROLLER LOCATIONS, REMOTE CONTROL VALVES AND QUICK COUPLING VALVES. THE DRAWINGS SHALL ALSO INDICATE AND SHOW APPROVED SUBSTITUTIONS OF SIZE, MATERIAL AND MANUFACTURERS NAME AND CATALOG NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE DELIVERED TO THE TENANT'S CONSTRUCTION REPRESENTATIVE BEFORE FINAL ACCEPTANCE OF WORK.
 - FINAL ACCEPTANCE: FINAL ACCEPTANCE OF THE WORK MAY BE OBTAINED FROM THE OWNER'S CONSTRUCTION REPRESENTATIVE UPON THE SATISFACTORY COMPLETION OF ALL WORK.
 - WARRANTY: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE TENANT'S CONSTRUCTION REPRESENTATIVE. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.
 - A LAMINATED PLAN (8 1/2 X 11) SHOWING THE DIFFERENT IRRIGATION ZONES IN COLOR, PREPARED BY THE IRRIGATION CONTRACTOR, SHALL BE POSTED IN THE MECHANICAL ROOM OR WITHIN CONTROLLER CABINET.
- C. MATERIALS:**
- GENERAL: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION.
 - PLASTIC PIPING: ALL MAIN LINES AND LATERAL LINES SHALL BE CLASS 200 POLYVINYL CHLORIDE (PVC) PIPE AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D 1785, ASTM D-2241, AWWA C-900, OR AWWA C-905. SDR-PR PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY SDR-26. PVC GASKETS/FITTINGS SHALL CONFORM TO ASTM D 3139. GASKETS SHALL CONFORM TO ASTM F 477. SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. THREADED PVC PIPE FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2464, CONFORMING TO ASTM D-1784 AND D-2241.
 - PLASTIC FITTINGS: ALL SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. SCHEDULE 40 SOLVENT-WELD, POLYVINYL CHLORIDE (PVC) STANDARD WEIGHT AS MANUFACTURED BY SLOAN, LASCO, OR APPROVED EQUAL.
 - SOLVENT CEMENT: PVC CEMENT SHALL MEET ASTM D 2564 AND PVC CLEANER-TYPE SHALL MEET ASTM F 658.
 - SPRINKLER HEAD RISERS: SCHEDULE 40 PVC FOR RISERS. PIPE SHALL BE CUT WITH A STANDARD PIPE CUTTING TOOL WITH SHARP CUTTERS. REAM ONLY TO FULL DIAMETER OF PIPE AND CLEAN ALL ROUGH EDGES OR BURRS. CUT ALL THREADS ACCURATELY WITH SHARP DIES. NOT MORE THAN THREE(3) FULL THREADS SHALL SHOW BEYOND FITTINGS WHEN PIPE IS MADE UP. ASSEMBLIES SHALL BE AS DETAIL.
 - AUTOMATIC CONTROLLER: SEE LEGEND.
 - REMOTE CONTROL VALVES: SEE LEGEND.
 - CONTROL WIRING: CONVENTIONAL SYSTEMS TO USE 24 VOLT SOLID U.L. APPROVED FOR DIRECT BURIAL IN GROUND. MINIMUM WIRE SIZE: 14 GAUGE. ALL SPLICES SHALL BE MADE WITHIN VALVE BOX. TWO-WIRE SYSTEMS TO UTILIZE CONTROL WIRING PER MANUFACTURER STANDARDS.
 - SLEEVES FOR CONTROL WIRING: UNDER ALL WALKS AND PAVED AREAS AND WHERE INDICATED ON DRAWINGS. MINIMUM PVC SCHEDULE 40 PLASTIC PIPE.
 - SPRINKLER HEADS/ DRIP LINE: SEE LEGEND.
 - QUICK COUPLING VALVES: SHALL BE NOTED ON DRAWINGS.
- D. WORKMANSHIP:**
- LAY OUT WORK AS ACCURATELY AS POSSIBLE TO THE DRAWINGS. THE DRAWINGS, THOUGH CAREFULLY DRAWN, ARE GENERALLY DIAGRAMMATIC TO THE EXTENT THAT SWING JOINTS, OFFSETS, AND ALL FITTINGS ARE NOT SHOWN.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL AND COMPLETE COVERAGE OF ALL IRRIGATED AREAS AND SHALL MAKE ANY NECESSARY MINOR ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
 - ANY MAJOR REVISIONS TO THE IRRIGATION SYSTEM MUST BE SUBMITTED AND ANSWERED IN WRITTEN FORM, ALONG WITH ANY CHANGE IN CONTRACT PRICE.

- E. INSTALLATION:**
- EXCAVATION AND TRENCHING:
 - PERFORM ALL EXCAVATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK INCLUDING UNDER THIS SECTION, INCLUDING SHORING OF EARTH BANKS TO PREVENT CAVE-INS, RESTORE ALL SURFACES, EXISTING UNDERGROUND INSTALLATIONS, ETC., DAMAGED OR CUT AS A RESULT OF THE EXCAVATIONS TO AND IN A MANNER APPROVED BY THE OWNER.
 - TRENCHES SHALL BE MADE WIDE ENOUGH TO ALLOW A MINIMUM OF 6 INCHES BETWEEN PARALLEL PIPE LINES. TRENCHES FOR PIPE LINES SHALL BE MADE OF SUFFICIENT DEPTHS TO PROVIDE THE MINIMUM COVER FROM FINISH GRADE AS FOLLOWS:
 - 24" MINIMUM BELOW BOTTOM PAVEMENT PER SLEEVING INSTALLATION DETAIL FOR MAIN LINE. 18" MINIMUM FOR NON-PRESSURIZED LATERALS.
 - MINIMUM COVER OVER IRRIGATION LINES TO HEADS/ DRIPLINE EXCEPT VEHICLE TRAFFIC AREAS ARE AS FOLLOWS:
 - 12" COVER OVER LATERALS
 - 18" COVER OVER MAINLINE
 - MAINTAIN ALL WARNING SIGNS, SHORING, BARRICADES, FLARES AND RED LANTERNS AS REQUIRED BY THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND LOCAL ORDINANCES.
 - PIPE LINE ASSEMBLY:
 - INSTALL REMOTE CONTROL VALVES WHERE SHOWN AND GROUP TOGETHER WHERE PRACTICAL. PLACE NO CLOSER THAN 12-18 INCHES TO WALK EDGES, WALLS, AND OTHER PAVEMENTS. PLACE A MINIMUM OF 24" FROM BUILDINGS.
 - PLASTIC PIPE AND FITTINGS SHALL BE SOLVENT WELDED USING SOLVENTS AND METHODS RECOMMENDED BY MANUFACTURER OF THE PIPE. EXCEPT WHERE SCREWED CONNECTIONS ARE REQUIRED, PIPE AND FITTINGS SHALL BE THOROUGHLY CLEANED OF DIRT, DUST AND MOISTURE BEFORE APPLYING SOLVENT WITH A NON-SYNTHETIC BRISTLE BRUSH.
 - PIPE MAY BE ASSEMBLED AND WELDED ON THE SURFACE. SNAKE PIPE FROM SIDE TO SIDE OF TRENCH BOTTOM TO ALLOW FOR EXPANSION AND CONTRACTION.
 - MAKE ALL CONNECTIONS BETWEEN PLASTIC PIPE AND METAL VALVES OR STEEL PIPE WITH THREADED FITTINGS USING PLASTIC MALE ADAPTERS.
 - JOINTS:
 - PIPE SIZES 2 1/2 INCH OR SMALLER SHALL HAVE BELL AND SOCKET JOINTS.
 - PIPE SIZES LARGER THAN 2 1/2 INCH SHALL HAVE SNAP CONNECTIONS WITH RUBBER GASKET JOINTS.
 - THRUST BLOCKING SHALL BE REQUIRED WHEN PIPE SIZE IS 4" OR GREATER.
 - SPRINKLER HEADS/ DRIPLINE:
 - INSTALL ALL SPRINKLER/ DRIPLINE AS DETAILED ON DRAWINGS.
 - DO NOT SCALE PLANS FOR EXACT HEAD LOCATION.
 - CLOSING OF PIPE AND FLUSHING LINES:
 - CAP OR PLUG ALL OPENINGS AS SOON AS LINES HAVE BEEN INSTALLED TO PREVENT THE ENTRANCE OF MATERIALS THAT WOULD OBSTRUCT THE PIPE. LEAVE IN PLACE UNTIL REMOVAL IS NECESSARY FOR COMPLETION OF INSTALLATION.
 - THOROUGHLY FLUSH OUT ALL WATER LINES BEFORE INSTALLING HEADS, DRIPLINE, VALVES AND OTHER HYDRANTS.
 - TEST IN ACCORDANCE WITH PARAGRAPH ON HYDROSTATIC TESTS.
 - UPON COMPLETION OF THE TESTING, THE CONTRACTOR SHALL COMPLETE ASSEMBLY AND ADJUST SPRINKLER HEADS FOR PROPER DISTRIBUTION.
 - INSPECTIONS:
 - SPRINKLER DRIPLINE LAYOUT AND SPACING INSPECTION: VERIFICATION THAT THE IRRIGATION DESIGN IS ACCURATELY INSTALLED IN THE FIELD. IT WILL ALSO PROVIDE FOR ALTERATION OR MODIFICATION OF THE SYSTEM TO MEET FIELD CONDITIONS. SPACING SHOULD BE WITHIN 5% OF THE DESIGN SPACING.
 - PIPE INSTALLATION DEPTH INSPECTION: ALL PIPES IN THE SYSTEM SHALL BE INSTALLED TO DEPTHS AS PREVIOUSLY DESCRIBED IN SECTION 'E' OF THESE SPECIFICATIONS.
 - OPEN TRENCH INSPECTION: THE TRENCH AND ALL JOINTS AND EVERY TRANSITION IN PIPE SIZE, WILL BE OPEN WHERE OPEN TRENCH INSPECTION IS REQUIRED.
 - INSPECTIONS WILL BE PERFORMED THROUGHOUT THE DURATION OF THE INSTALLATION. INSPECTION MAY BE MADE BY THE GOVERNING AGENCY/ OWNER TO ENSURE COMPLIANCE WITH DESIGN INTENT, SPECIFICATIONS, AND THE IRRIGATION CODES.
 - HYDROSTATIC TESTS:
 - REQUEST THE PRESENCE OF THE OWNER AND/OR OWNERS REPRESENTATIVE IN WRITING AT LEAST 48 HOURS IN ADVANCE OF TESTING.
 - TESTING TO BE ACCOMPLISHED AT THE EXPENSE OF THE CONTRACTOR AND IN THE PRESENCE OF THE OWNER.
 - CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.
 - APPLYING A CONTINUOUS AND STATIC WATER PRESSURE OF 125 PSI WHEN WELDED PLASTIC JOINTS HAVE CURED AT LEAST 3 HOURS AND WITH THE RISERS CAPPED AS FOLLOWS:
 - MAIN LINES AND SUBMANS TO BE TESTED FOR 2 HOURS.
 - NO PRESSURE LOSS IS ALLOWED FOR SOLVENT WELD MAINLINE/ PIPE.
 - FOR PVC AND O-RING GASKET PIPE THE ALLOWABLE LEAKAGE SHALL NOT EXCEED THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FOLLOWING FORMULA:

$$L = N \cdot D^3 \cdot 1.850$$
 IN WHICH:
 - L=ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
 - N=NUMBER OF JOINTS
 - D=PIPE DIAMETER IN INCHES
 - P=AVERAGE TEST PRESSURE IN PSI GAUGE
 - REPAIR LEAKS RESULTING FROM TESTS.
 - AUTOMATIC CONTROLLERS:
 - CONNECT REMOTE CONTROL VALVES TO CONTROLLER IN A CLOCKWISE SEQUENCE TO CORRESPOND WITH STATION SETTING BEGINNING WITH STATIONS 1, 2, 3, ETC.
 - AUTOMATIC CONTROL WIRING:
 - INSTALL CONTROL WIRING, SPRINKLER MAINS AND LATERALS IN COMMON TRENCHES WHEREVER POSSIBLE.
 - INSTALL CONTROL WIRES AT LEAST 18" BELOW FINISHED GRADE AND SNAKE WIRE SIDE TO SIDE IN TRENCH BELOW MAIN LINE. EXPANSION CURLS SHALL BE PROVIDED WITHIN THREE (3) FEET OF EACH WIRE CONNECTION TO SOLENOID AND AT LEAST EVERY THREE HUNDRED (300) FEET IN LENGTH. (EXPANSION CURLS ARE FORMED BY WRAPPING AT LEAST FIVE (5) TURNS OF WIRE AROUND A ROD OR PIPE 1" OR MORE IN DIAMETER, THEN WITHDRAWING THE ROD).
 - CONTROL WIRE SPLICES WILL BE ALLOWED ONLY RUNS OVER 1000 FT. CONNECTIONS SHALL BE IN VALVE BOX AND LOCATION TO BE SHOWN ON AS-BUILT PLANS.
 - ALL WIRING PASSING UNDER EXISTING OR FUTURE PAVING, CONSTRUCTION, ETC., SHALL BE ENCASED IN PLASTIC OR GALVANIZED STEEL CONDUIT EXTENDING AT LEAST 24" BEYOND EDGES OF PAVING OR CONSTRUCTION.
 - CONTRACTOR SHALL RUN TWO SPARE WIRES IN EACH DIRECTION FROM CONTROLLER TO FARTHEST VALVE TO SERVE AS BACKUP WIRES.
 - BACKFILL AND COMPACTING:
 - AFTER SYSTEM IS OPERATING AND REQUIRED TESTS AND INSPECTIONS HAVE BEEN MADE, BACKFILL EXCAVATIONS AND TRENCHES WITH CLEAN SOIL, FREE OF RUBBISH. INITIAL BACKFILL MATERIAL TO 6 INCHES ABOVE THE TOP OF PIPE SHALL BE FREE OF ROCKS OR STONES LARGER THAN ONE INCH IN DIAMETER. FINAL BACKFILL MATERIAL SHALL BE FREE OF ROCKS OR STONES LARGER THAN 3 INCHES IN DIAMETER.
 - BACKFILL FOR ALL TRENCHES, REGARDLESS OF THE TYPE OF PIPE COVERED, SHALL BE COMPACTED TO MINIMUM 90% DENSITY.
 - COMPACT TRENCHES IN AREAS TO BE PLANTED BY THOROUGHLY FLOODING THE BACKFILL. JETTING PROCESS MAY BE USED IN THOSE AREAS.
 - DRESS OFF ALL AREAS TO FINISH GRADES.
 - PROTECTIVE RADIUS OF EXISTING TREES:
 - AN AUGER IS TO BE USED TO TUNNEL UNDER EXISTING TREES IF IRRIGATION IS INSTALLED WITHIN THE PROTECTIVE RADIUS OF EXISTING TREES AND ONLY IF THERE IS NO OTHER OPTION OR TO DO SO CREATES AN UNREASONABLE HARDSHIP.
- F. CLEAN-UP:**
- REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM WORK OF THIS SECTION.



Double Check Assembly Backflow Preventer with Flow Sensor

Scale: N.T.S.

A

PAGES: 2
 PLOTTED BY: GWINN, ALAN
 LAST SAVED: 12/20/23 12:27 PM
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Kimley»Horn

801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM #988

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Kimley»Horn	L.L. KENZIE L. PORTER
L.L. No. 0005724	Date: 12/24/2023

PROJECT No: 061338300

DATE: DEC. 2023

SCALE: AS SHOWN

DESIGNED BY: CJC

DRAWN BY: CJC

CHECKED BY: ALG

ANDY'S LANTANA

IRRIGATION NOTES & SPECS

SHEET NUMBER

LI 2.02

REVISIONS	DATE

PROJECT INFORMATION:

**Andy's Frozen Custard -
Lantana**

3800 FM 407,
Bartonville, TX 76226

OWNER:
ANDY'S FROZEN CUSTARD

211 E. Water Street
Springfield, MO 65806
eastandy.com

ARCHITECT:

HUFFT
3612 Kansas Boulevard
Kansas City, MO 64111
P: 816-531-0200
www.hufft.com

STRUCTURAL:

METTEMAYER ENGINEERING, LLC
2101 W. Chesterfield Blvd., Suite B105
Springfield, MO 65807
P: 417-960-9100

CIVIL:

KIMLEY-HORN
801 Cherry Street, Suite 1300
Fort Worth, TX 76102
P: 817-335-6511

MEP:

RTM ENGINEERING CONSULTANTS

3333 E. Battlefield Road, Suite 1000
Springfield, MO 65804
P: 417-881-0200
MO COA: 2014035826

LANDSCAPE ARCHITECT:

KIMLEY-HORN

801 Cherry Street, Suite 1300
Fort Worth, TX 76102
P: 817-335-6511

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11-17-2023

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Cameron K. Collins
Professional Engineer
License No. 94503
State of Texas

Engineer: Cameron K. Collins
License Number: E-24493
Drawn By: Author
Project Number: 607

SITE PHOTOMETRIC PLAN

ME1

FIXTURE "RH10"

LED DRIVER

- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED array.
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or inrush current.
- Driver is replaceable if it should be required.

DIMMING

- Designed for continuous dimming capability to approximately 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note: some dimmers require a neutral in the wallbox.)

COMPLIANCE

- cULus Listed ceiling and wall recessed lighting fixture.
- cULus VUL Location Listed, ceiling only (UL984 rated).
- Suitable for use in closets, compliant with NFPA70, NEC19 Section 410.10(A)(3) and 410.16(C)(3).
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation.
- May be installed in IC recessed housings in direct contact with insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA L5D 57-2013).
- U.S. Classified when used in retrofit with listed housings (EMER) meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations.

• A-listed certified per ASTM E283
not exceeding 2.0 CFM under 57 Pascals pressure differential.

• 90 CRI Can be used to comply with California Title 24 High Efficacy requirements.

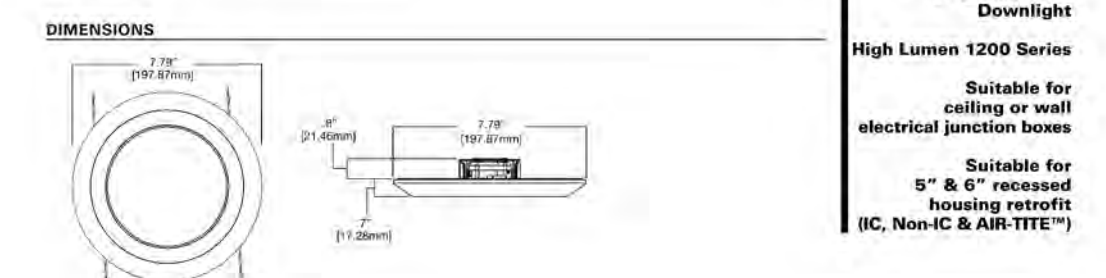
• Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance.

ENERGY STAR certified luminaire - consult ENERGY STAR's Certified Product List.

• Contains no mercury or lead and RoHS compliant.

• Photometric listing in accordance with IES LM-79

• Lumens maintenance projections in accordance with IES LM-80 and TM-21



ORDERING INFORMATION

Always consult the product literature for complete specifications and options. Order per section on separate sheets as applicable by others, to guarantee availability. Product literature does not represent a contract. See separate literature for details.

Model	Series	Length	Width	Height	Options
SLD1200 Series	SLD1200 Series	1200mm	150mm	100mm	Standard
SLD1200 Series	SLD1200 Series	1200mm	150mm	100mm	Options

FIXTURE "RH09"

6DR LED 6" Downlight - Round

NEW CONSTRUCTION AND REMODEL

TrimLock

- Innovative TrimLock reflector system ensures 95% fixture flush with ceiling plane.
- Available on QuickLock.

SPECIFICATIONS

- Available in standard sizes from 6" to 12" diameter.
- Available in standard finishes: White, Black, Bronze, Silver, Gold, Copper, Nickel, Chrome, Stainless Steel.
- Available in standard mounting options: Standard, Recessed, Surface Mount.
- Available in standard beam spreads: 24°, 36°, 48°, 60°, 72°, 84°, 96°, 108°, 120°.
- Available in standard voltages: 120V, 277V, 480V.

ORDERING INFORMATION

Always consult the product literature for complete specifications and options. Order per section on separate sheets as applicable by others, to guarantee availability. Product literature does not represent a contract. See separate literature for details.

Model	Series	Length	Width	Height	Options
6DR Series	6DR Series	6" Dia	6" Dia	4" H	Standard
6DR Series	6DR Series	6" Dia	6" Dia	4" H	Options

FIXTURE "L2"

MX4IP LED Ambient - IP Rated

QuickLock

- Truss a simple and secure installation with QuickLock™ surface-mount technology.
- Uses same trim style for clean aesthetic.
- Custom designed one-piece gasket to prevent water ingress.
- Pressure equalization vent to eliminate negative air pressure in enclosure.
- Diffuse acrylic lens provides uniform illumination for direct contact.
- Made Right Here™ in the USA.

ORDERING INFORMATION

Series	Length	Width	Height	Options
MX4IP Series	1200mm	150mm	100mm	Standard
MX4IP Series	1200mm	150mm	100mm	Options



ORDERING INFORMATION

Always consult the product literature for complete specifications and options. Order per section on separate sheets as applicable by others, to guarantee availability. Product literature does not represent a contract. See separate literature for details.

Model	Series	Length	Width	Height	Options
MX4IP Series	MX4IP Series	1200mm	150mm	100mm	Standard
MX4IP Series	MX4IP Series	1200mm	150mm	100mm	Options

FIXTURE "SP_"

RZR SERIES - LED SPECIFICATIONS

POLE DRILLING TEMPLATE

EPA & WEIGHT

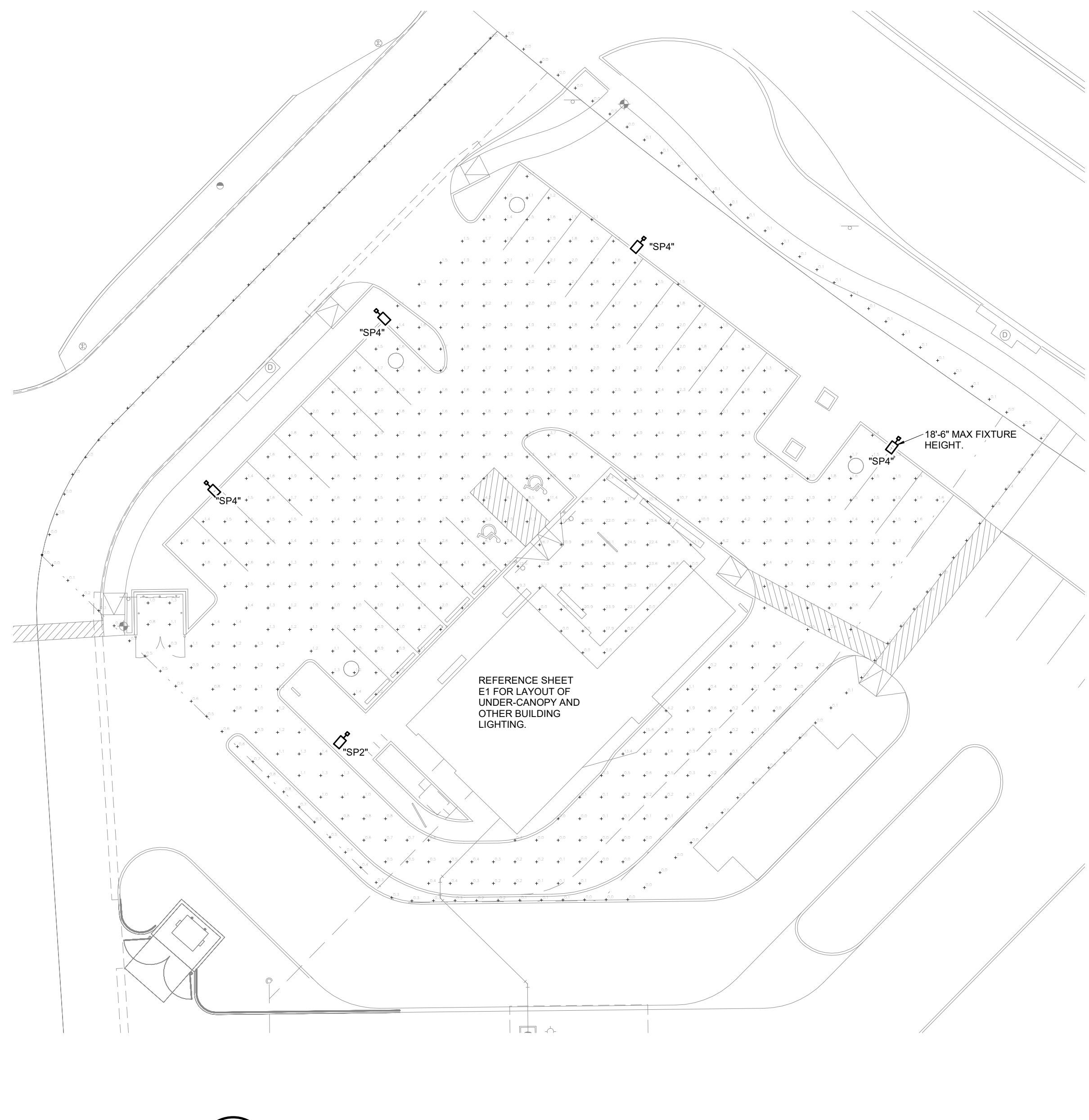
PLED™ MODULES

Module	Length	Width	Height	Options
PLED Module	1200mm	150mm	100mm	Standard
PLED Module	1200mm	150mm	100mm	Options

ORDERING INFORMATION

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Model	Series	Length	Width	Height	Options
RZR Series	RZR Series	1200mm	150mm	100mm	Standard
RZR Series	RZR Series	1200mm	150mm	100mm	Options



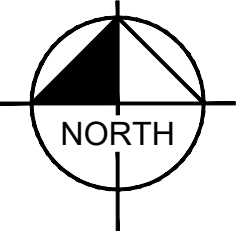
1 SITE PHOTOMETRICS PLAN

SCALE: 1" = 20'-0"

NORTH

PLOTTED BY: JGGS
 PLOTTED DATE: 11/17/2023 1:58 PM
 LAST SAVED: 11/17/2023 1:57 PM
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GRAPHIC SCALE IN FEET
0 20 40 80

LEGEND

	PROPERTY LINE
	LEASE LIMITS
	FULL DEPTH SAWCUT
	BUILDING & PAVING SETBACK
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROPOSED ROOF CANOPY
	PARKING STALL COUNT
	WATER METER

No.	REVISIONS	DATE	BY



801 CHERRY ST. UNIT 11, SUITE 1300
 FORT WORTH, TEXAS 76102
 PHONE: 817-356-6511 FAX: 817-356-5070
 TEXAS REGISTERED ENGINEERS FROM 1928

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Kimley-Horn
 Engineer: JENNIFER G. GANSERT, P.E.
 P.E. No. 124908 - Dated 11/17/2023

PROJECT NO: 0813383300	DATE: NOV. 2023	SCALE: AS SHOWN	DESIGNED BY: EGG	DRAWN BY: EGG	CHECKED BY: JGG
---------------------------	--------------------	--------------------	---------------------	------------------	--------------------

ANDY'S LANTANA

AERIAL EXHIBIT

SHEET NUMBER
EX

BENCH MARK LIST	
NOTES:	
The bearing system for this survey is based on the Texas Coordinate System of 1983, North Central Zone 4202 with an applied combined scale factor of 1.00015083, based on observations made on September 21, 2023.	
BM#150 - AN "4" CUT WITH BOX SET IN CONCRETE DRIVEWAY AT THE INTERSECTION OF JETER ROAD AND THE ENTRANCE TO COMMUNITY MED URGENT CARE, 102± SOUTHEAST OF THE SOUTHWEST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 32' SOUTHWEST OF A SANITARY SEWER MANHOLE.	ELEV: 667.69
BM#151 - AN "4" CUT WITH BOX SET IN CONCRETE SIDEWALK ON THE EAST SIDE OF THE ACCESS ROAD THROUGH COMMUNITY MED URGENT CARE, 71± EAST OF THE NORTHEAST CORNER OF THE COMMUNITY MED URGENT CARE BUILDING, AND 175± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE.	ELEV: 665.66
BM#152 - AN "4" CUT WITH BOX SET IN CONCRETE AT THE CORNER OF INTERSECTING SIDEWALKS, 20± SOUTHWEST OF THE INTERSECTION OF FM 407 AND THE NORTHEAST ENTRANCE TO COMMUNITY MED URGENT CARE, AND 83± NORTHWEST OF A BRICK URGENT CARE SIGN.	ELEV: 664.69

PROJECT INFORMATION:

**Andy's Frozen Custard
Lantana**

3800 FM 407,
Bartonville, TX 76226

OWNER:

ANDY'S FROZEN CUSTARD

211 E. Water Street
Springfield, MO 65806
www.eandys.com

ARCHITECT:

HUFFT

3612 Karnes Boulevard
Kansas City, MO 64111
P: 816-531-0200
www.hufft.com

STRUCTURAL:

METTEMAYER ENGINEERING, LLC

2225 W. Chesterfield Blvd., Suite 300
Springfield, MO 65807
P: 417-890-8100

CIVIL:

KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

MEP:

RTM ENGINEERING CONSULTANTS

3333 E. Bathfield Road, Suite 1000
Springfield, MO 65804
P: 417-881-0020

LANDSCAPE ARCHITECT:

KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

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**CONSTRUCTION DOCUMENTS
11/6/2023**

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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

RENDERINGS

A020



PLAN KEYNOTES

- 1 FIRE EXTINGUISHER CABINET, RE: A507
- 2 PANEL BOARD(S), RE: ELECT DWGS
- 3 BUILDING SIGNAGE, RE: ELECT DWGS
- 5 OUTDOOR PATIO, CONCRETE SLAB W/ SEALER
- 6 PATIO CANOPY AND STRUCTURE, RE: STRUCT DWGS, STEEL COLUMNS, PTD
- 7 DRIVE-THRU CANOPY, RE: STRUCT DWGS
- 8 CUSTARD MACHINE SHUT-OFF SWITCH, RE: MEP DWGS
- 9 CUSTARD MACHINE TO STRADDLE FLOOR SINKS
- 15 WALK-IN COOLER/FREEZER, COORDINATE WITH SUPPLIER
- 16 PROVIDE HOT AND COLD WATER HOSE BIB ON WALL BEHIND AND ADJACENT TO CUSTARD MACHINES, RE: MEP DWGS
- 17 INSTALL STAINLESS STEEL CORNER GUARDS THROUGHOUT, TYP. ALL EXPOSED CORNERS RE: A507
- 18 CASED OPENING FOR BOH ACCES
- 19 ANDY'S FROZEN CUSTARD NEON CONE SIGN - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING, SUSPENDED, CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION.
- 20 ANDY'S FROZEN CUSTARD "SPRECHER ROOT BEER" NEON SIGN - LOCATED INSIDE STORE IN FRONT OF STOREFRONT GLAZING, SUSPENDED, CONCEAL POWER SUPPLY ALONG INSIDE FACE OF MULLION.
- 23 SIGNAGE LIGHTING BAND, BY PINNACLE SIGN GROUP, RE: ELEC DWGS & SIGNAGE DWGS
- 24 MPD, RE: ELECT DWGS
- 25 TANKLESS WATER HEATERS, RE: MEP DWGS
- 26 WATER SOFTENER, RE: MEP DWGS, KEEP CLOSE TO WALL
- 27 BACK FLOW PREVENTOR, RE: MEP DWGS
- 28 PRESSURE WASHER, RE: MEP DWGS
- 29 WALL SHELVES ABOVE DUNNAGE RACKS
- 30 IPAD HOLDER
- 32 ROOF DRAIN DOWN TO BELOW GRADE, RE: PLUMB DWGS, KEEP PIPE CLOSE TO WALL
- 33 OVERFLOW ROOF DRAIN, STUBOUT AT 12" AFF W/ DRAIN NOZZLE, RE: PLUMB DWGS, KEEP PIPE CLOSE TO WALL.
- 34 SECURITY PANEL, RE: ELECT

NOTE:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURE, MECHANICAL, ELECTRICAL, PLUMBING, ETC. AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. DIMENSIONS ARE FROM GRIDLINES TO FINISH FACE OF NEW PARTITIONS, U.O.N.
3. REFER TO A701 FOR ADDITIONAL NOTES PERTAINING TO WALL TYPE CONSTRUCTION AND DETAILING.
4. REFER TO EQUIPMENT PLAN FOR ALL EQUIPMENT.
5. REFER TO WALL SECTIONS FOR EXTERIOR WALL CONSTRUCTION.
6. REFERENCE CIVIL SITE PLAN FOR BUILDING LOCATION AND ORIENTATION ON SITE.

ISSUE:

CONSTRUCTION DOCUMENTS

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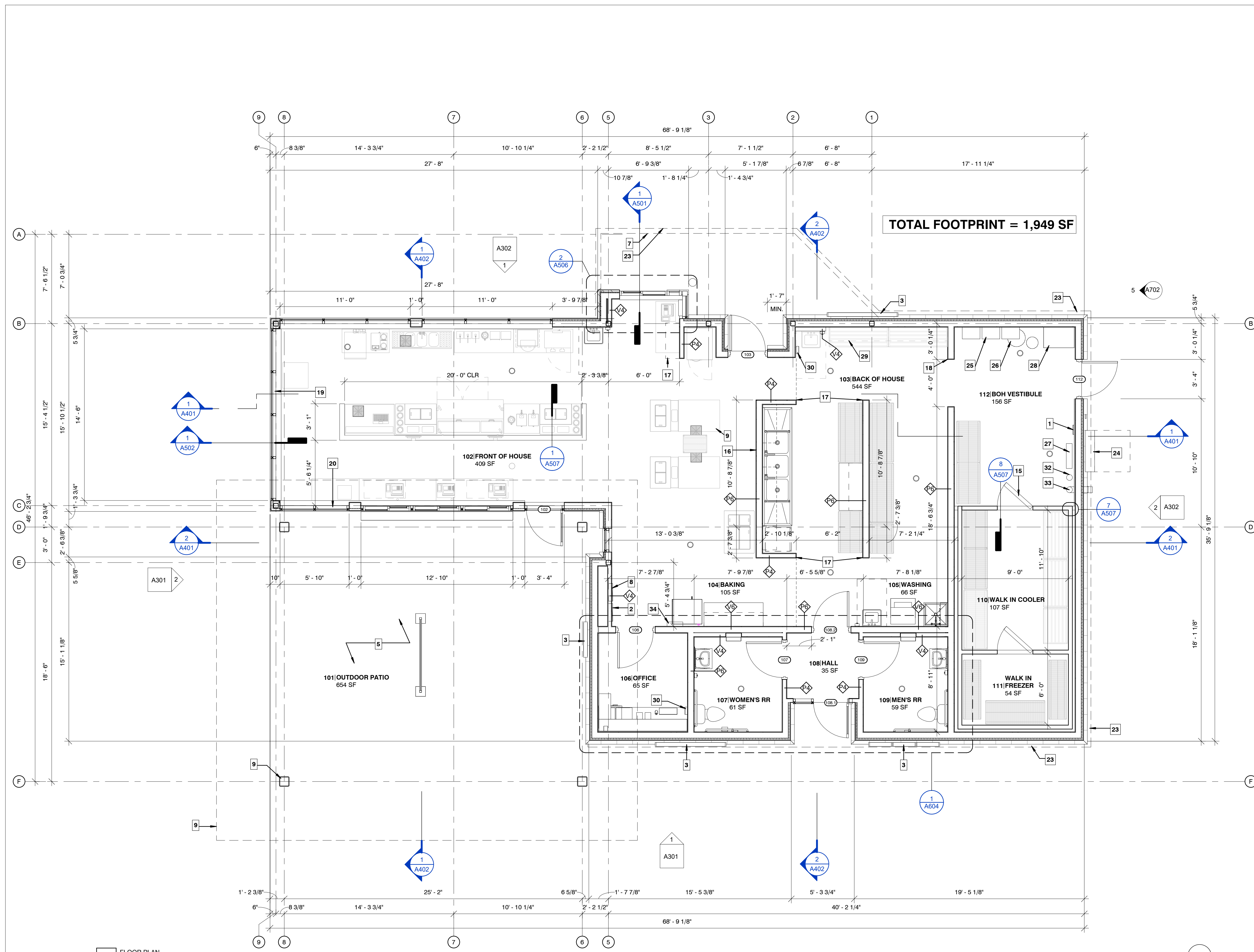
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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

FLOOR PLAN

A101

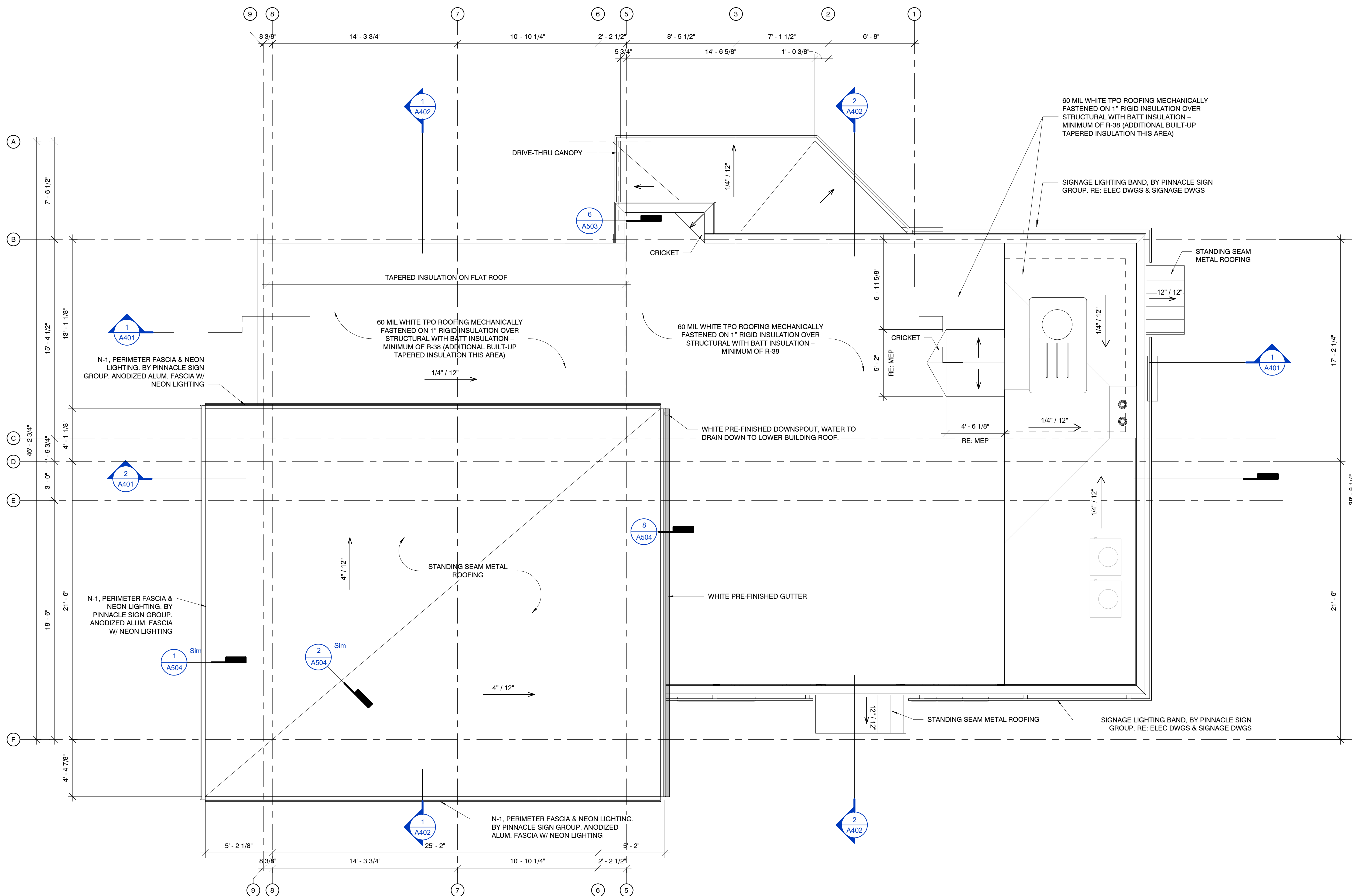


1 FLOOR PLAN
1/4" = 1'-0"

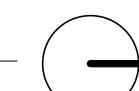
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1 ROOF PLAN
1/4" = 1'-0"



EXTERIOR FINISH SCHEDULE

#	DESCRIPTION
AS-1	PATIO & DRIVE-THRU CANOPY MATERIAL: 6" V-GROOVE EXTRUDED ALUM SOFFIT PANELS COLOR: BONE WHITE
C-1	COPING/ROOF EDGE TYPE 1: PRE-FINISHED ALUMINUM CAP AND SILL FLASHING AT MASONRY VENEER AND, TYP. COLOR: MATCH MASONRY COLOR
C-2	COPING/ROOF EDGE TYPE 2: ANNODIZED ALUMINUM CAP AND SILL FLASHING AT STOREFRONT, TYP. COLOR: MATCH STOREFRONT FRAMING
CS-1	CAST STONE TRIM: CONTINENTAL CAST STONE COLOR: #4025
GL-1	GLAZING TYPE 1: STOREFRONT MNFR: KAWNEER 451T COLOR: DARK BRONZE
M-1	MASONRY TYPE 1: CULTURED STONE COBBLEFIELD COLOR: TEXAS CREAM GROUT: TO MATCH STONE
N-1	PERIMETER FASCIA & SHIELDED LED LIGHTING: BY PINNACLE SIGN GROUP ANODIZED ALUM. FASCIA W/ LED LIGHTING
R-1	STANDING SEAM ROOFING: METAL SALES, MINI BATTEN 1" PANEL SIZE: 12" 24 GAUGE
S-1	STUCCO: STO ELASTOMERIC FINISH, TEXTURE: MEDIUM COLOR: MORTAR #31435



2 NORTHEAST ELEVATION
1/4" = 1'-0"



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

ISSUE:

CONSTRUCTION DOCUMENTS

11/6/2023

REVISION SCHEDULE:

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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

ELEVATIONS

EXTERIOR FINISH SCHEDULE

#	DESCRIPTION
AS-1	PATIO & DRIVE-THRU CANOPY MATERIAL: 6" V-GROOVE EXTRUDED ALUM SOFFIT PANELS COLOR: BONE WHITE
C-1	COPING/ROOF EDGE TYPE 1: PRE-FINISHED ALUMINUM CAP AND SILL FLASHING AT MASONRY VENEER AND, TYP. COLOR: MATCH MASONRY COLOR
C-2	COPING/ROOF EDGE TYPE 2: ANNOZIDED ALUMINUM CAP AND SILL FLASHING AT STOREFRONT, TYP. COLOR: MATCH STOREFRONT FRAMING
CS-1	CAST STONE TRIM: CONTINENTAL CAST STONE COLOR: #4025
GL-1	GLAZING TYPE 1: STOREFRONT MNFR: KAWNEER 451T COLOR: DARK BRONZE
M-1	MASONRY TYPE 1: CULTURED STONE COBBLEFIELD COLOR: TEXAS CREAM GROUT: TO MATCH STONE
N-1	PERIMETER FASCIA & SHIELDED LED LIGHTING: BY PINNACLE SIGN GROUP ANODIZED ALUM. FASCIA W/ LED LIGHTING
R-1	STANDING SEAM ROOFING: METAL SALES, MINI BATTEN 1" PANEL SIZE: 12" 24 GAUGE
S-1	STUCCO: STO ELASTOMERIC FINISH, TEXTURE: MEDIUM COLOR: MORTAR #31435



2 SOUTHWEST ELEVATION
1/4" = 1'-0"



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

ISSUE:

CONSTRUCTION DOCUMENTS

11/6/2023

REVISION SCHEDULE:

NO.	DATE	ISSUE
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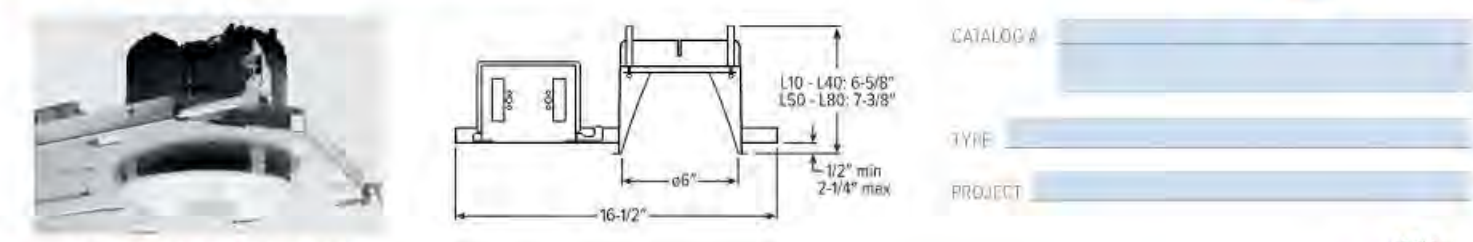
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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

ELEVATIONS

6DR LED 6" Downlight - Round



NEW CONSTRUCTION AND REMODEL
 ORDERING EXAMPLE: 6DR-TL-L20R835-0PTIONS-CONTROL/DIM-UNV-OW-OF-CS-TRIM OPTIONS-N-F1-MOUNT

HOUSING	LUMENS	CRI	CCT	OPTIONS	CONTROL	DRIVER	VOLTAGE
6DR-TL	1000	90	2700K	See page 4 for EMERGENCY BATTERY OPTIONS	See page 7 for ADDITIONAL CONTROL/DIMMER OPTIONS	See page 7 for ADDITIONAL CONTROL/DIMMER OPTIONS	120-277V
Trimlock	1500	90	3000K				347-347V
	2000		3500K	SCA - Sloped ceiling adaptor (1)	None	DM1 - Dimming driver, 0-10V	
	3000		4000K	ATH - Airtight construction	AVI-LVFA - Avl-on wireless fixture control (1)	DA - Driver with 12V auxiliary power, without external dimming wires (1)	
	4000		5000K	F - Chicago plenum (CCEA) (1)	AWNR - Lutron Athena wireless remote integral fixture control, RF only (1)		
	5000			SOT - Stepdown transformer (1)			
	6000						
	7000						
	8000						

TRIM TYPE	DISTRIBUTION	FLANGE TYPE	REFLECTOR FINISH	TRIM OPTIONS
Open reflector	Wide	1/2" standard flange	Open trim types	MWT - Textured white trim flange (1)
Flush lens	50° Open	1/4" mud-in flange (1)	IP - IP55-rated trim (1)	AD - Diffuse acrylic lens (1)
Regressed lens	50° Flush		SG - Satin-glow anodize	PD - Diffuse 18° polycarbonate lens (1)
Angled lens (1)	50° Regressed		GD - Gold anodize	CG - Champagne gold anodize
Non-conductive flush lens for shower applications (1)	35° Flush		PW - Pewter anodize	RG - Rose gold anodize
	35° Regressed		CS - Clear specular anodize	WH - White texture powder coat
	25° Flush		BL - Black texture powder coat	MB - Black texture play with white flange (1)
	25° Regressed		AM - Anti-microbial (1)	
	Wall wash (1)			

MOUNTING	MOUNTING HARDWARE
N - Open pan for new construction	F1 - Integral 2 position fixed pan bracket, universal bar hanger included (1)
IC - RATED enclosure for new construction (1)	BA1 - Adjustable butterfly pan bracket, bar hanger not included (1)
R - Remodel kit (1)	CA1 - Adjustable caterpillar pan bracket, universal bar hanger included (1)

NOTES
 1. Lumen output based on O trim type, W distribution and CS finish. 2000K/3000K. Actual lumens may vary +/-5%. See page 2 for FIXTURE PERFORMANCE DATA.
 2. Not available with EM/WH emergency batteries.
 3. Extended lead times may apply. Consult factory for availability.
 4. 15-32° beam angle, specify degrees of slope in °/R increments. 0°-30° Not available with Mounting Type, S Trim Type, ATH, IP or WET/CC Options. Printed white. Other colors available, consult factory. See page 3 for SLOPED CEILING ADAPTOR DETAILS.
 5. Mounting Type required.
 6. May be required for 247V, see product bulletin at www.williams.com/247v.
 7. DA Driver only. See page 7 for AVI-ON BLUE/TOOTH WIRELESS CONTROL DETAILS.
 8. DA Driver only.
 9. Avl-on and Lutron Athena Controls only.
 10. Not available with EM Batteries, DA or DMX Drivers.
 11. Trim should separate.
 12. Beam angle based on CS or WH reflector finish. See page 2 for FIXTURE PERFORMANCE DATA.
 13. Available with WW Distribution only.
 14. W Distribution, CE Flange Type and WH Reflector Finish only. Standard with AD diffuse acrylic lens. IP and WET/CC options standard.
 15. Not available with lumen steps 150 and higher when specified with flush or regressed trim types.
 16. Also used in new construction overhead ceiling, Pan-less installation kit. See page 4 for FLANGE TYPE DETAILS. Not available with ATH.
 17. R Trim Type only. Not available with MWT.
 18. Not available with WH Reflector Finish, L or S Trim Types.
 19. L and R trim types only.
 20. Not available with O trim type, W and WW distributions only.
 21. O trim type only. WET/CC standard unless ordered with EM/WH.
 22. L50 lumen package max. Not available with PD trim option.
 23. L50 lumen package max with O trim Type. Not available with PD trim option.
 24. WH and BL Reflector Finishes only. Not available with S Trim Type.
 25. Mounting hardware required (N and only), ordered separately. See MOUNTING HARDWARE DETAILS. See page 6 for MOUNTING HARDWARE DETAILS.
 26. SLOPED CEILING ADAPTOR DETAILS. Not available with EM Batteries or Lutron Athena Controls.
 27. Also used in new construction overhead ceiling, Pan-less installation.
 28. L and Mounting Types only. I Mounting requires external brackets.
 29. B and Mounting Types only. I Mounting requires external brackets.
 30. M Mounting Type only.

6DR LED 6" Downlight - Round

FEATURES

- TrimLock**
 - Innovative TrimLock reflector retention system ensures trim remains flush with ceiling plane.
 - Wide range of beam options for general illumination.
 - Beam angles ranging from 10° down to 55° wide for tailored performance.
 - Industry-leading efficacy as high as 116 lm/W.
 - New construction mounting pan, IC-rated, or pan-less remodel kit available.
 - Fully room-side accessible.
 - Available on QuickShip.
 - Wireless in-fixture control solutions available.



Available with BIOS® consult factory

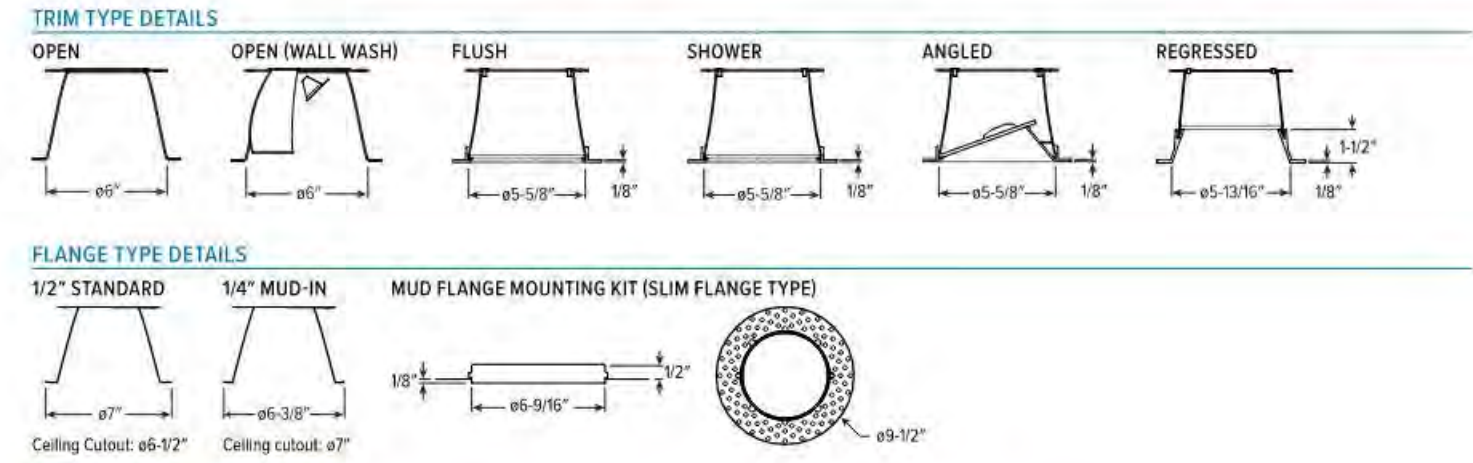
PHOTOMETRY

OPEN REFLECTOR TRIM TYPE

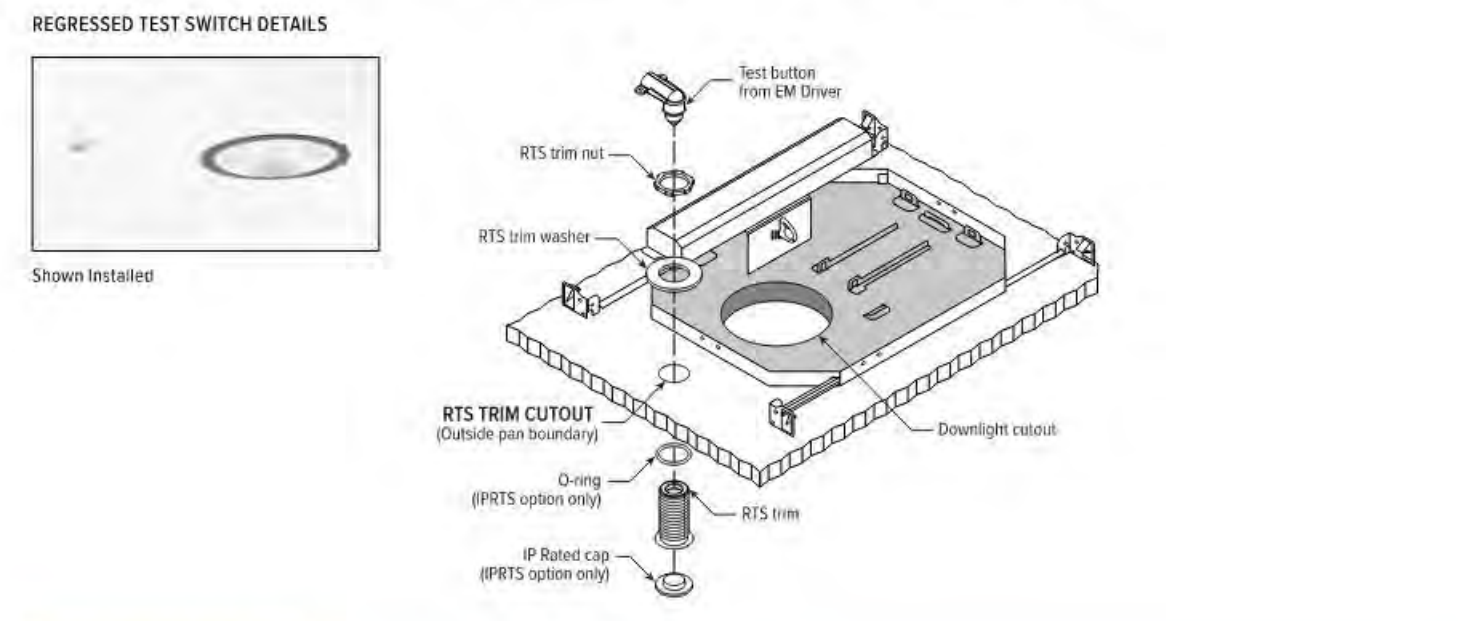
DIST.	DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)
W	1014	8.7	117
M	982	8.7	113
N	1003	8.7	115
W	1497	13.8	109
M	1495	13.8	108
N	1528	13.8	111
W	1988	19.0	105
M	1983	19.1	104
N	2026	19.1	106
W	2962	26.9	114
M	3003	26.9	112
N	3000	26.9	112
W	4094	36.4	112
M	4096	36.4	110
N	4011	36.4	110
W	5244	43.9	114
M	4935	43.9	112
N	5047	43.9	115
W	6543	54.0	112
M	6548	54.0	110
N	6683	54.0	113
W	7008	61.8	114
M	6898	61.8	112
N	7055	61.8	114
W	8098	79.8	101
M	7991	79.8	99
N	8071	79.8	101

COLOR TEMPERATURE	CONVERSION FACTOR	REFLECTOR FINISH	CONVERSION FACTOR
2700K	0.92	CS	1.00
3000K	0.98	SG	0.92
3500K	1.00	GD	0.93
4000K	1.01	CG	0.96
5000K	1.02	PW	0.96
		SPC	1.02
		RG	0.88
		WH	1.00
		BL	0.98
		BL	0.78

6DR LED 6" Downlight - Round

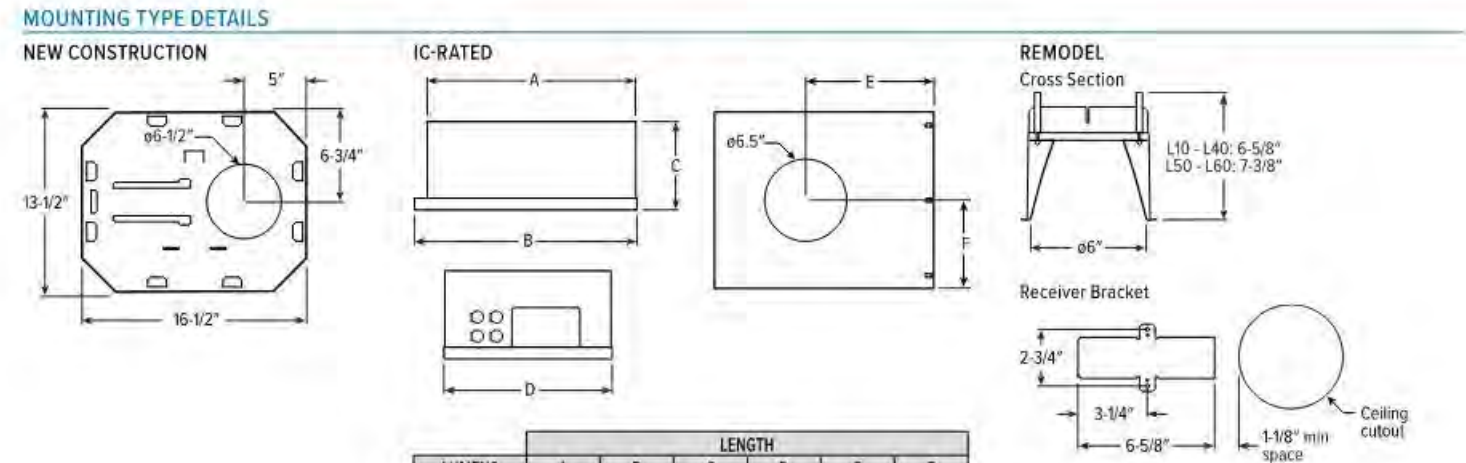


CATALOG NUMBER	DESCRIPTION
EM/7W	7-watt emergency battery (1)
EM/7W/RTS	7-watt emergency battery with regressed lens switch (1)
EM/10W/RTS	10-watt emergency battery with IP65-rated regressed lens switch
EM/10W	10-watt emergency battery (1)
EM/10W/RTS	10-watt emergency battery with regressed lens switch (1)
EM/10W/RTS	10-watt emergency battery with IP65-rated regressed lens switch



REFLECTOR FINISH	DESCRIPTION
SPC	Clear specular
SG	Satin glow
PW	Pewter
GD	Gold
CG	Champagne gold
RG	Rose gold
CS	Clear semi-specular white
WH	White
BL	Black

6DR LED 6" Downlight - Round



LUMENS	A	B	C	D	E	F
150	1.20	15.3/6"	10"	6.3/4"	12.3/8"	6.1/2"
150	1.20	15.3/6"	17.1/2"	7.7/8"	14"	10.1/4"

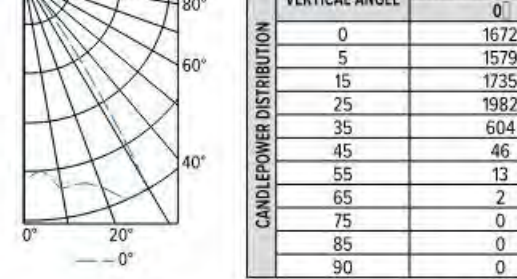
SERIES	CATALOG NUMBER	CEILING CUTOUT	FINISH
4AR	6AR		CS
4DR	6DR		WH
4DS	6DS		BL
4PR	6PR		BL
4PS	6PS		BL
6DR			BL

For use with remodel downlights. Additional finishes available, consult factory. For limitations and instructions, see www.hew.com/aperture-adaptor-pdf

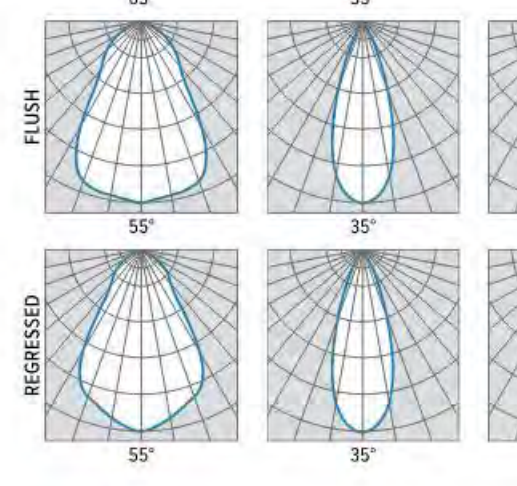
6DR LED 6" Downlight - Round

PHOTOMETRY

6DR-TL20R835-DIM-UNV-OW-OF-CS Report #: 20687_12/12/18 Total Luminance Output: 1988 lumens; 19.0 Watts | Efficacy: 104.6 lm/W | 80 CRI, 3500K CCT



VERTICAL ANGLE	HORIZONTAL ANGLE	ZONAL LUMENS
0	0	1972
5	0	1979
15	0	1735
25	0	982
35	0	604
45	0	46
55	0	13
65	0	2
75	0	0
85	0	0
90	0	0



LUMENS	5"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"	42"	48"	54"	60"	72"
150	1.40	10.1/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"	10.7/8"
150	1.40	11.7/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"	11.9/8"

Hufft

PROJECT INFORMATION:

Andy's Frozen Custard
Lantana
 3800 FM 407,
 Bartonsville, TX 76226

OWNER:
ANDY'S FROZEN CUSTARD
 211 E. Water Street
 Springfield, MO 65806
www.andyss.com

ARCHITECT:
HUFFT
 3812 Kansas Boulevard
 Kansas City, MO 64111
 P: 816-531-0200
www.hufft.com

STRUCTURAL:
METTEMAYER ENGINEERING, LLC
 2225 W. Chesterfield Blvd., Suite 300
 Springfield, MO 65807
 P: 417-990-9100

CEILING:
KIMLEY-HORN
 13455 Noel Road, Suite 700
 TX, Dallas 75240
 P: 972.770.1300

MEP:
RTM ENGINEERING CONSULTANTS
 3333 E. Battlefield Road, Suite 1000
 Springfield, MO 65804
 P: 417-881-0020

LANDSCAPE ARCHITECT:
KIMLEY-HORN
 13455 Noel Road, Suite 700
 TX, Dallas 75240
 P: 972.770.1300

CONSTRUCTION DOCUMENTS

11/6/2023

REVISION SCHEDULE:
 NO. DATE ISSUE

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Architect: ???
 License Number: xxx
 Drawn By: MS
 Project Number: 717

LIGHTING CUT SHEETS

A401

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DESCRIPTION

The Halo Surface LED Downlight (SLD) incorporates WaveStream™ technology to create an ultra-low profile surface mounting luminaire with the performance and look of a traditional downlight. SLD is designed for installation in many 3-1/2" and 4" square, octagon or round junction boxes. And may also retrofit in 5" and 6" IC and Non-IC recessed housings. Suitable for residential or commercial installations. Ideal for closets, storage areas, attics and basements. Compliant with NFPA 70, NEC, Section 410.16 (A)(3) and 410.16 (C)(5).

SPECIFICATION FEATURES

- Die cast aluminum trim ring, and die formed aluminum frame
- WaveStream™ technology provides uniform luminance from a low profile flat lens
- AccuAim™ optics provide directional control for the "cone-of-light" beam distribution of a traditional downlight.
- Precision molded lens features UV transmission polymer with UV stabilized protecting film
- Accessories (sold separately) SLD designer trims are accessory rings that attach to the SLD for a permanent finish. Refer to SLD accessories specification sheet for details.
- White (Paintable)
- Satin Nickel
- Tuscan Bronze
- SLD accessory trims attach with permanent adhesion and are not interchangeable after installation.

DESIGNER TRIMS

- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation
- Suitable for installation in many 3-1/2" and 4" square, octagon, and round electrical junction boxes
- Note: Driver consumes 3 cubic inches of junction box
- Installer must ensure compatibility of wiring and proper mounting in the electrical junction box.
- This includes all applicable national and local electrical and building codes.

ELECTRICAL JUNCTION BOX MOUNTING

- Proprietary Slot-N-Lock quick installation system for junction box installation
- T-bracket with Slot-N-Lock mounting tabs included
- Recessed Housing Mounting
 - May be installed in IC recessed housings in direct contact with insulation
 - Note: Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA L5D 57-2013
 - Torison Springs 5" & 6"
 - Optional precision formed torsion spring bracket kit is included
 - The torsion springs adjust on the frame to fit 5" or 6" compatible housings
- Friction Blade 5" & 6"
 - Optional precision formed friction blades included
 - For retrofit in 5" and 6" housings without torsion spring mounting tabs
 - Friction blade design allows the SLD to be installed in any position within the housing aperture (360 degrees)
- LED
 - Linear LED arrays are integrated in trim perimeter
 - Color Temperature: 2700K, 3000K, 3500K, 4000K
 - CRI options: 80 and 90
 - 90 CRI can be used for compliance with California Title 24 Non-Residential Lighting Controls as a LED luminaire.

RECESSED HOUSING MOUNTING

- Compatible with 3-1/2" x 2" and 4" x 1-1/2" deep round, square and octagon boxes (2-1/8" deep boxes recommended)
- LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base adaptor provides capability for retrofit*
- LED connector is a non-screwbase luminaire disconnect for tool-less installation

LED CHROMATICITY

- A tight chromaticity specification ensures LED color uniformity, sustainable Color Rendering Index (CRI) and Correlated Color Temperature (CCT) over the useful life of the LED
- LED chromaticity of 3 SDCM exceeds ENERGY STAR® color standards per ANSI
- 90 CRI model features high color performance with R9 greater than 90
- Every Halo LED is quality tested, measured, and serialized in a permanent record to register lumens, wattage, CRI and CCT
- Halo LED serialized testing and measurement ensures color and lumen consistency on a per-unit basis, and validates long-term product consistency over time

ELECTRICAL CONNECTIONS

- Junction Box
 - Compatible with 3-1/2" x 2" and 4" x 1-1/2" deep round, square and octagon boxes (2-1/8" deep boxes recommended)
 - Supply Wire Adaptor with LED quick connector included
- Recessed Housings
 - LED connector is compatible with Halo 5" H550 Series and 6" H750 Series LED Housings
 - LED Connector meets California Title-24 high-efficacy luminaire standard as a non-screw base adaptor provides capability for retrofit*
 - LED connector is a non-screwbase luminaire disconnect for tool-less installation

WARRANTY

Cooper Lighting Solutions provides a five year limited warranty on the SLD LED

Project	Type
Comments	Date
Prepared by	



SLD 1200 Series SLD6128xxWH
80CRI
2700K, 3000K, 3500K, and 4000K

SLD6129xxWH
90CRI
2700K, 3000K, 3500K, and 4000K

6" Surface LED Downlight
Suitable for ceiling or wall electrical junction boxes

High Lumen 1200 Series
Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

ENERGY DATA

Lumens (per model)	80 CRI	90 CRI
1215	1200	1500
Input Voltage	120V	120V
Frequency	50/60 Hz	50/60 Hz
Inrush Current	0.12 A	0.12 A
Total Power	14.8 W	14.8 W
Efficiency (per model)	92 lm/W	88 lm/W
THD	< 30%	
Power Factor	> 0.90	
Temperature	-30 ~ +40°C	
Sound Rating	Class A	

NOMENCLATURE

SLD612830WH
612 = 6" SLD 1200 Series
30 = 3000K
WH = Matte White

TD618010EN
11/13/2018

SLD6128xxWH
SLD6129xxWH

COOPER LIGHTING SOLUTIONS

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LED DRIVER

- Driver is a 120V input, high efficiency, dimmable electronic power supply providing DC power to the LED arrays
- Driver features high power factor, low THD, and has integral thermal protection in the event of over temperature or internal failure
- Driver is replaceable if it should be required

DIMMING

- Designed for continuous dimming capability to nominally 5% with many 120V Leading Edge (LE) and Trailing Edge (TE) phase control dimmers. Dimming to 5% is best assured using dimmers with low end trim adjustment. Consult dimmer manufacturer for compatibility and conditions of use. (Note some dimmers require a neutral in the wallbox.)

COMPLIANCE

- cULus Listed ceiling and wall
- cULus Damp Location listed ceiling and wall
- cULus Wet Location Listed, ceiling only (shower rated)
- Suitable for use in closets, compliant with NFPA 70, NEC Section 410.16 (A)(3) and 410.16 (C)(5)
- SLD may be used in compatible electrical junction boxes in direct contact with insulation including spray foam insulation (Not for use in recessed housings in direct contact with spray foam insulation. Refer to NEMA L5D 57-2013)
- UL Classified when used in retrofit with listed housings (See Housing Compatibility)
- ICM/REI meets FCC 47CFR Part 15 Class B limits, and is suitable for use in residential and commercial installations

Airight certified per ASTM E283

- (not exceeding 2.0 CFM under 57 Pascals pressure differential)
- 90 CRI can be used to comply with California Title 24 High Efficacy requirements.
- Can be used for International Energy Conservation Code (IECC) and Washington State Energy Code high efficiency luminaire compliance
- ENERGY STAR® certified luminaire - consult ENERGY STAR® Certified Product List
- Contains no mercury or lead and RoHS compliant.
- Photometric testing in accordance with IES LM-79
- Lumen maintenance projections in accordance with IES LM-80 and TM-21



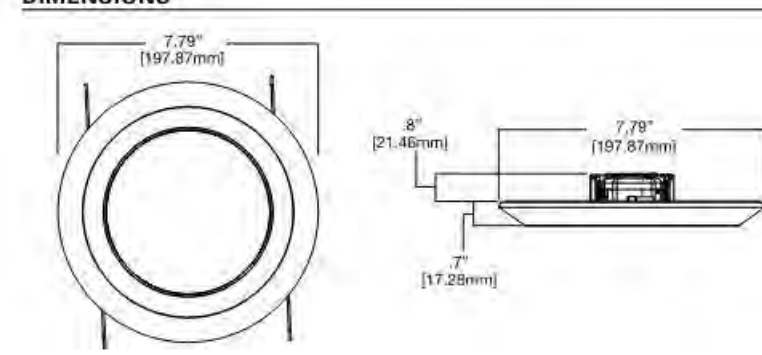
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80CRI
2700K, 3000K, 3500K, and 4000K

SLD6129xxWH
90CRI
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6" Surface LED Downlight
Suitable for ceiling or wall electrical junction boxes

High Lumen 1200 Series
Suitable for 5" & 6" recessed housing retrofit (IC, Non-IC & AIR-TITE™)

DIMENSIONS



ORDERING INFORMATION

SALES & SERVICE: SLD612827WH SLD612830WH SLD612835WH SLD612840WH SLD612927WH SLD612930WH SLD612935WH SLD612940WH

Model	Color Temperature (K)	CRI	Power (W)	Efficiency (lm/W)	THD (%)	Power Factor	Temperature Range (°C)	Sound Rating
SLD612827WH	2700	80	14.8	92	< 30	> 0.90	-30 ~ +40	Class A
SLD612830WH	3000	80	14.8	92	< 30	> 0.90	-30 ~ +40	Class A
SLD612835WH	3500	80	14.8	92	< 30	> 0.90	-30 ~ +40	Class A
SLD612840WH	4000	80	14.8	92	< 30	> 0.90	-30 ~ +40	Class A
SLD612927WH	2700	90	14.8	88	< 30	> 0.90	-30 ~ +40	Class A
SLD612930WH	3000	90	14.8	88	< 30	> 0.90	-30 ~ +40	Class A
SLD612935WH	3500	90	14.8	88	< 30	> 0.90	-30 ~ +40	Class A
SLD612940WH	4000	90	14.8	88	< 30	> 0.90	-30 ~ +40	Class A

COOPER LIGHTING SOLUTIONS

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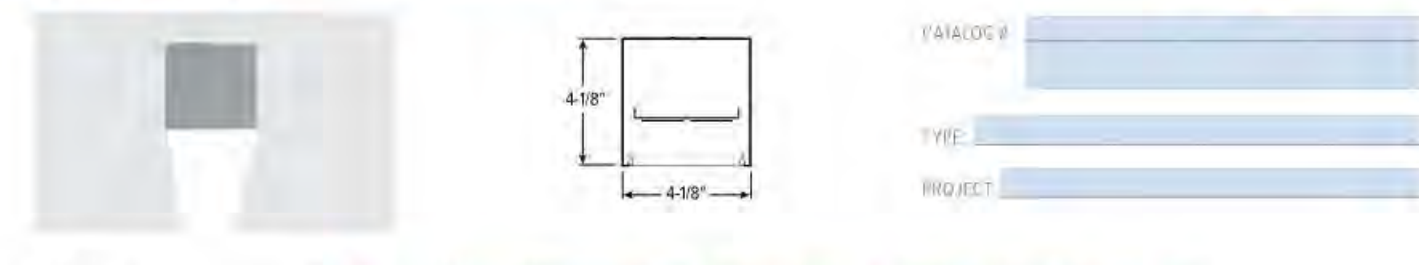
COOPER LIGHTING SOLUTIONS

HOUSING COMPATIBILITY

The SLD is IC Listed in Halo and All-Pro recessed housings, and is UL Classified for use with any 5 or 6 inch diameter recessed housing constructed of steel or aluminum with an internal volume that exceeds 107.9 IP in addition to those noted below. Note: Some other's housings require installation with included friction clips.

HALO LED	Recessed Can Size	Catalog Number
HALO LED	5"	H550ICAT, H550RCAT, E550ICAT, E550RCAT
	6"	H750ICAT, H750RCAT, H750T, H750T

MX4S LED 4" Continuous - Surface



FEATURES

- Create elegant spaces with a seamless, continuous row of illumination
- Flat and proud lenses give designers a variety of looks
- High performance up to 113 lm/W
- Linear extrusion contains snap-in light rails for ease of installation and maintenance
- Versatile MX4S system includes recessed, surface, suspended and in-wall mounting, see technical
- Corner configurations available, see Product Builder at new.com/product-builder
- Diffuse acrylic lens provides uniform illumination for visual comfort
- Wireless in-fixture control solutions available
- Available with BICO® SynBlue® technology to support proper daytime circadian stimulus
- Meets light levels in the USA

ORDERING EXAMPLE: MX4S - 12'00" - L8/B35 - F - OPTIONS - CONTROL/DIM - UNV

ILLUMINATED LENGTH
Lengths specified in feet and inches using 4" increments, 2" minimum. Example: 12'00" = 12'-0"

Product Builder
Easily build shades & simplify ordering with the Williams Linear Product Builder at new.com/product-builder

LUMENS (lm) CRI CCT SHIELDING OPTIONS (lm)

300lm	90	27	2700K	Flat, diffuse acrylic	EM10WEM	10-watt emergency battery**
1200lm	90	30	3000K	Pr. Proud, diffuse acrylic with 5/16" drip**	ASY	Remote mount 10-watt emergency battery
1500lm	90	35	3500K		(L)	Asymmetric distribution (L)
		50	5000K			Additional lower lumen packages available** Example: 600 lumens - MX4S-12'00"-L8/B35-L6

CONTROL**
See page 5 for ADDITIONAL CONTROL OPTIONS

DRIVER
See page 6 for ADDITIONAL DRIVER OPTIONS

VOLTAGE
120 120V
277 277V
347 347V

AVI-LVFA AVI-LVFA-CS2-PIR
Avi-on wireless fixture control with PIR motion and daylight sensor (PI)

AWNR
Lutron Athena wireless node integral fixture control, RF only (FI)

AWNS
Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing (FI)

NOTES

- See page 3 for FIXTURE DETAILS.
- Lumens per foot output based on 80 CRI/3500K CCT and F shielding. Actual lumens may vary ± 5%. See page 2 for FIXTURE PERFORMANCE DATA. Additional lumen packages available, see Options.
- See page 3 for FINISH OPTIONS. Custom colors available upon request. See Technical Info for PIR/PIR Entry details.
- Extended lead times may apply. Consult factory for availability.
- See page 2 for CROSS SECTIONS. Not available with corner configurations.
- L8 and L7 only. Not available with fixtures less than 4".
- Available with F shielding only. Creates uneven lens illumination. See page 2 for CROSS SECTIONS.
- (L6) lumen package minimum. Specify in increments of 100 nominal lumens. Option must be specified with next higher lumen package.
- Refer to Product Builder at new.com/product-builder for fixture, corner fixture. See page 3 for SENSOR & NODE PLACEMENT DETAILS. See page 4 for AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS.
- DA driver only.
- DA and DSR Drivers only.
- DA and DSR Drivers only.
- Avi-on and Lutron Athena Controls only.
- Lutron Vibe and Athena Controls only.
- Not available with EM batteries, control sensors, DA, or DSR Drivers.

SPECIFICATIONS

- HOUSING - Extruded aluminum with die-cast end plates
- SHIELDING - Extruded, flat, diffuse acrylic lens
- FINISH - Textured matte white polycarbonate powder coat bonded to phosphatized, multi-stage pre-treated metal. All parts painted after fabrication to facilitate installation, increase efficiency, and resist corrosion.
- ELECTRICAL - High-quality mid-power LED boards. L70+60,000 hours per IES TM-21.
- MOUNTING - Surface.
- LISTINGS -
 - CSAs certified as luminaire suitable for dry or damp locations.
 - Complies with the Bay American Act and other federal regulations. Recard certification at new.com/cert.
- WARRANTY - 5-year limited warranty, see new.com/warranty



MX4S LED 4" Continuous - Surface

FIXTURE PERFORMANCE DATA

	PER FOOT		
DELIVERED LUMENS	WATTAGE	EFFICACY (lm/W)	
L81	824	7.3	113
L82	1075	10.8	109
L83	1439	13.5	107

MULTIPLIER TABLE

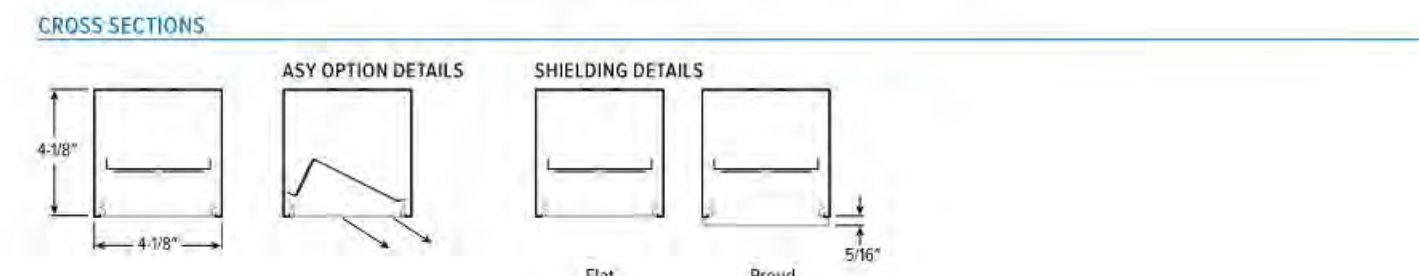
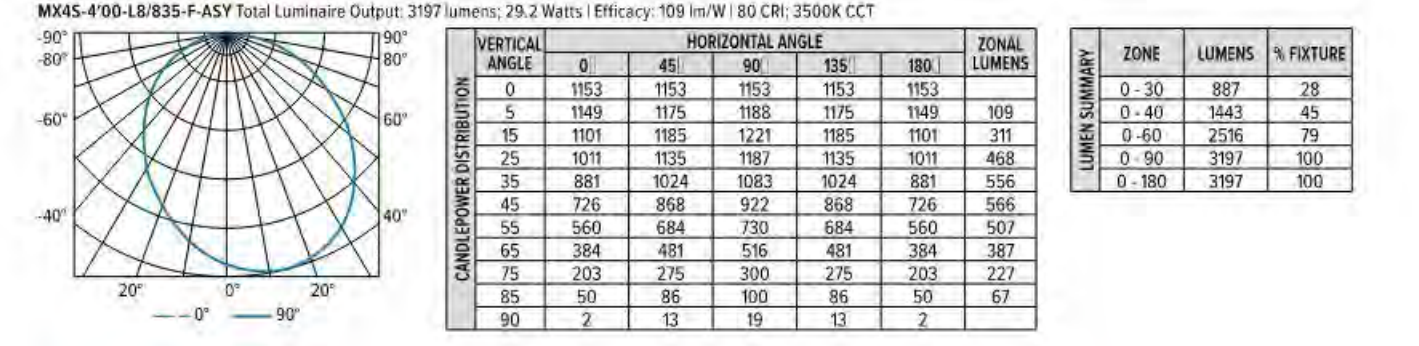
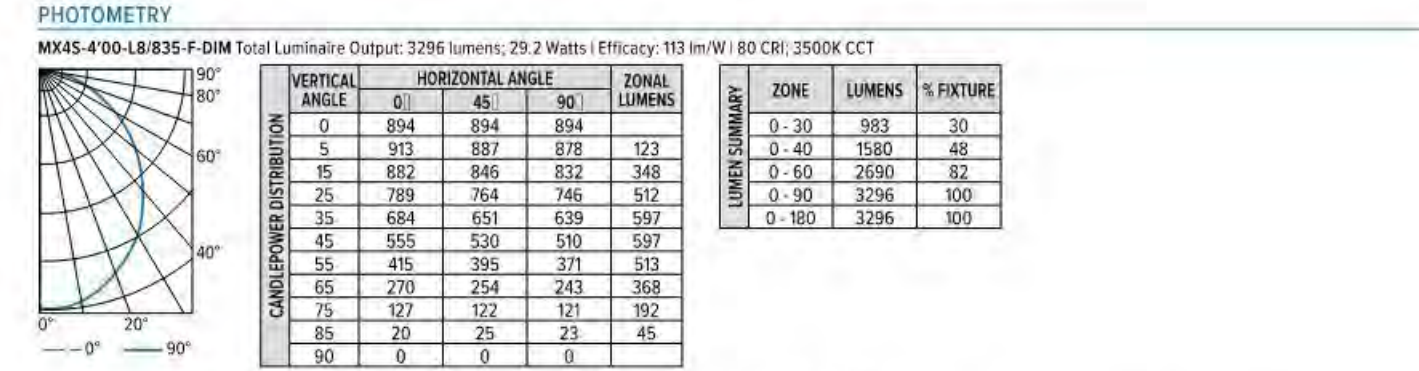
CCT	COLOR TEMPERATURE	CONVERSION FACTOR
2700K	0.97	
3000K	0.99	
3500K	1.00	
4000K	1.03	
5000K	1.06	

ASY OPTION

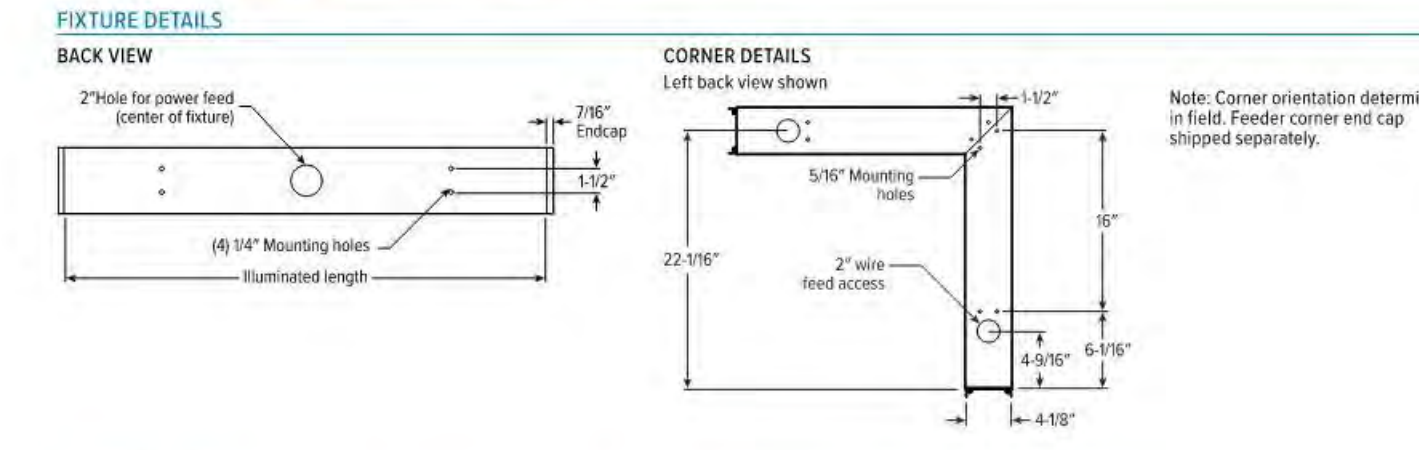
WATTAGE	EFFICACY (lm/W)
1.03	0.97

PHOTOMETRIC TESTS

- Photometrics tested in accordance with IESNA LM-79. Results shown are based on 2% ambient temperature.
- Wattage shown is average for 120V through 277V input.
- Results based on F shielding, 3500K, 80 CRI, actual lumens may vary ± 5%.
- To calculate lumen output in emergency mode, multiply the battery wattage by the efficacy.
- Use multiplier table to calculate additional options.



MX4S LED 4" Continuous - Surface



SEE NEXT PAGE FOR CONTROL DETAILS

MX4S LED 4" Continuous - Surface

AVI-ON BLUETOOTH WIRELESS CONTROL DETAILS

FEATURES

- Gateway-free distributed control
- Factory pre-commissioning
- Contractor friendly installation
- Occupancy/vacancy/daylight sensing

Scalable

- Virtually unlimited network size
- Suits small offices to large warehouses
- Flexible control strategies

Secure

- Optional cloud connectivity
- UL IoT pattern security rating
- IEC 5.0 compliant

COMMISSIONING & INSTALLATION TOOLS

Avi-on mobile apps provide intuitive, quick installation and commissioning. Pro tools are available to qualified installers. Live commissioning training and on-site or remote support by Avi-on must be ordered separately through Avi-on.

Mobile Apps

- Commissioning Mobile App
- Zone Scanner Web App
- Commissioning Pro App

Remote Access Bridge

Ceiling Sensors

Wall Stations

ACCESSORIES

WALL STATIONS

AVI-2401AC	Scene controller - numbered 1-4, 120-277VAC
AVI-2402BAT	Scene controller - numbered 1-4, battery powered
AVI-2404AC-2	Dimmer with presets - percentages, 120-277VAC
AVI-2402BA-2	Dimmer with presets - percentages, battery powered
AVI-2401AC-3	On/off dimming, 120-277VAC
AVI-2402BA-3	On/off dimming, battery powered

NETWORK

AVI-RAB-LITE	Remote access bridge - LTE connection
AVI-200RAB-D1-C	Remote access bridge - Wifi connection
AVI-KIT-NIM	Network time manager with battery backup

CEILING MOUNT SENSORS

AVI-KIT-SEN-DUCM	PIR motion and ultrasonic sensor kit
AVI-KIT-SEN-ICM	PIR motion and photoelectric sensor kit

AVI-LVFA-CS2-PIR Avi-on wireless fixture control with PIR motion and daylight sensor. DA Driver only.

SPECIFICATIONS

TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8" - 12"
DETECTION ANGLE	360°
TEMPERATURE RANGE	-30° to 50°C
RELATIVE HUMIDITY	10 to 80% non-condensing
IP RATING	IP20
MANUFACTURER	Avi-On

SENSOR COVERAGE PATTERNS

Side View

SENSOR DETAIL

Dimensions: 131/8" x 2-1/4"

MX4S LED 4" Continuous - Surface

ADDITIONAL CONTROL OPTIONS

AWNS Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing. DA and DSR Drivers only.

SPECIFICATIONS

TYPE	Radio Frequency
MOUNTING HEIGHT	8" - 12"
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	Clear Connect gateway - Type X with app (iOS or Android)
MANUFACTURER	Lutron

SENSOR COVERAGE PATTERNS

9' height: a12' coverage

SENSOR DETAIL

Dimensions: ø1-9/8"

ATHENA CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
AWNS	Lutron Athena wireless node integral fixture control, RF only, for use with DA (DALI 2) or driver with 12V auxiliary power.
AWNR	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with DA (DALI 2) or driver with 12V auxiliary power.
AWNR-BL	Lutron Athena wireless node integral fixture control, RF only, for use with DA (DALI 2) or driver with 12V auxiliary power, black finish.
AWNS-BL	Lutron Athena wireless node integral fixture control, RF with daylight and occupancy sensing, for use with DA (DALI 2) or driver with 12V auxiliary power, black finish.

VDO Lutron Vibe integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OC), DSR or LDE Drivers only. LDE drivers require driver interface.

SPECIFICATIONS

TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8" - 12"
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 55°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)
MANUFACTURER	Lutron

SENSOR COVERAGE PATTERNS

9' height: a12' coverage

SENSOR DETAIL

Dimensions: 2-11/16" x 1"

VIVE CONTROL OPTIONS

CATALOG NUMBER	DESCRIPTION
VVR	Lutron Vibe integral fixture control, RF only (DFCSJ-OEM-RF), for use with sensor-ready driver.
VVD	Lutron Vibe integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OC), for use with sensor-ready driver.
VRF-DBI	Lutron Vibe integral fixture control, RF only (DFCSJ-OEM-RF) and digital link interface, for use with Lutron Hi-Lume T5 EcoSystem dimming LED driver.
VDD-DBI	Lutron Vibe integral fixture control, RF with daylight and occupancy sensor (DFCSJ-OEM-OC) and digital link interface, for use with Lutron Hi-Lume T5 EcoSystem dimming LED driver.

OCWS-FS-305-L6-PP-120/277 Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

SPECIFICATIONS

TYPE	PIR Motion - Daylight Hold Off
MOUNTING HEIGHT	8"
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

SENSOR COVERAGE PATTERNS

8' height: ø20° coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

MX4S LED 4" Continuous - Surface

OCWS-LMFS-601-PP-120/277 Wattstopper PIR motion and daylight sensor with power pack, 120/277V

SPECIFICATIONS

TYPE	PIR Motion + Daylight
MOUNTING HEIGHT	8" - 12"
LENS	Up to 300 sq ft coverage
DETECTION ANGLE	360°
TEMPERATURE RANGE	0° to 50°C
RELATIVE HUMIDITY	0 to 90%, non-condensing
COMMISSIONING	App (iOS or Android)

SENSOR COVERAGE PATTERNS

8' height: ø20° coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

ADDITIONAL DRIVER OPTIONS

Note: Lumen restrictions apply, consult product builder at new.com/product-builder.

CATALOG NUMBER	DESCRIPTION
DRV	Driver powered for non-dimmable applications
DIM	Dimming driver enabled for 0-10V low voltage applications
DIM1	1% dimming driver prepared for 0-10V low voltage applications
DIM LINE	Line voltage dimming driver (TRAC, non E17 compatible, 500' only)
DIM TRC	Line voltage dimming driver (TRAC, compatible, 120V only)
DA	Driver with 12V auxiliary power
DSR	Sensor-ready driver (DA, DALI-2)
SD40	40% step-dimming driver
SD50	50% step-dimming driver
DALI	DALI dimming driver
LDE1	Lutron Hi-Lume T5 EcoSystem dimming LED driver

OCWS-FS-305-L6-PP-120/277 Wattstopper PIR motion and daylight hold off sensor with power pack, 120/277V

SPECIFICATIONS

TYPE	PIR Motion - Daylight Hold Off
MOUNTING HEIGHT	8"
DETECTION ANGLE	360°
TEMPERATURE RANGE	-40° to 55°C
RELATIVE HUMIDITY	5% to 95%, non-condensing
COMMISSIONING	Dials under lens

SENSOR COVERAGE PATTERNS

8' height: ø20° coverage

SENSOR DETAIL

Dimensions: ø1-5/16"

Hufft

PROJECT INFORMATION:

Andy's Frozen Custard
Lantana
3800 FM 407,
Bartonville, TX 76226

OWNER:
ANDY'S FROZEN CUSTARD

211 E. Water Street
Springfield, MO 65806

www.andyds.com

ARCHITECT:
HUFFT
3612 Kansas Boulevard
Kansas City, MO 64111
P: 816-531-0200

www.hufft.com

STRUCTURAL:
METTEMEYER ENGINEERING, LLC
2225 W. Chestfield Blvd., Suite 300
Springfield, MO 65807
P: 417-990-9300

CIVIL:
KIMLEY-HORN
13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972-770-1300

MEP:
RTM ENGINEERING CONSULTANTS
3333 E. Battlefield Road, Suite 1000
Springfield, MO 65804
P: 417-881-0020

LANDSCAPE ARCHITECT:
KIMLEY-HORN
13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972-770-1300

CONSTRUCTION DOCUMENTS

11/6/2023

REVISION SCHEDULE:

NO.	DATE	ISSUE

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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

LIGHTING CUT SHEETS

A403

AREA & ROADWAY LIGHTING

RAZAR SERIES - LED
LOW PROFILE AREA LUMINAIRE

Optical Housing
Heavy cast, low copper aluminum assembly (A356 alloy, <2% copper) minimum wall thickness .188". LED Module mounting area is machined to within 0.002" surface flatness variance for maximum surface contact and thermal conductivity from the LED modules to the radiating fins. Passive radiating fins above the LED Optics provide superior thermal management and long LED life. The optical and electrical compartments are integrated with the support arm to create one assembly. Cast and hinged driver compartment cover allows access to the drivers and wiring.

Electrical Housing w/ Integrated Arm
Heavy cast low copper aluminum (A356 alloy, <2% copper) assembly with integral cooling ribs surrounding the electrical compartment and a flat surface on the top of the arm to accommodate a photocell receptacle. Solid barrier wall separates optical and electrical compartments. The optical compartment and electrical compartment with the integrated support arm combine to create one assembly. Minimum wall thickness is .188". Cast and hinged driver assembly cover is integrated with wiring compartment cover.

PLED® Optics
Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Reflectors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all reflectors are retained by an aluminum frame. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site area distributions. Panels are held replaceable and held rotatable in 90° increments.

LED Driver(s)
Constant current electronic with a power factor of > 90 and a minimum operating temperature of -40°F/-40°C. Driver(s) are UL and cUL recognized and mounted directly against the Electrical Housing to facilitate thermal transfer. Held down by universal clamps to facilitate easy removal. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz (0-10V dimmable driver is standard). Drivers have a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.

LED Emitters
High output LED's are utilized with drive currents ranging from 350mA to 1050mA. 70CRI Minimum LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

Amber LED's
TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

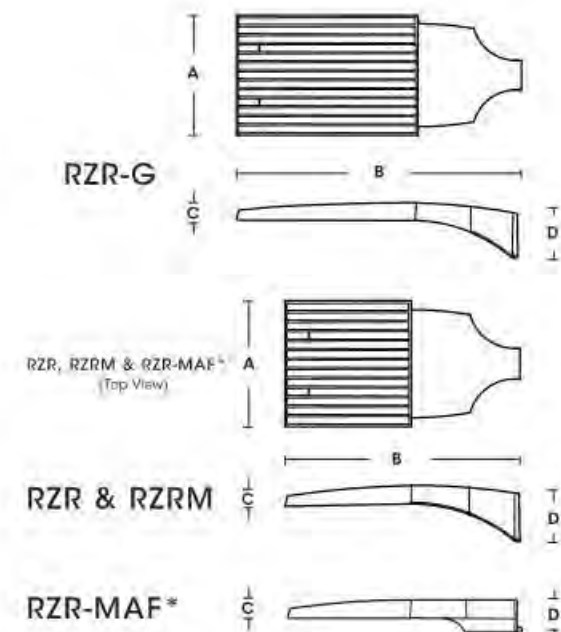
Finish
Electrostatically applied IGC Polyester Powder Coat on a substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.

Mount Arm Finish/Electrical Housing
Replaces standard Electrical Housing. Fits standard 2 3/8" O.D. horizontal tenon. Two (2) straps with two (2) bolts each encircle the lower half of the tenon. Upper half of the tenon rests on self-centering steps that position the angle of the luminaire at 0°, +1.5°, +1.5° or +3° up from the horizontal. All hardware is stainless steel.

PROJECT NAME: _____
PROJECT TYPE: _____



RZR (MODELS: RZR-M, RZR, RZR-G & RZR-MAF*) PATENT PENDING



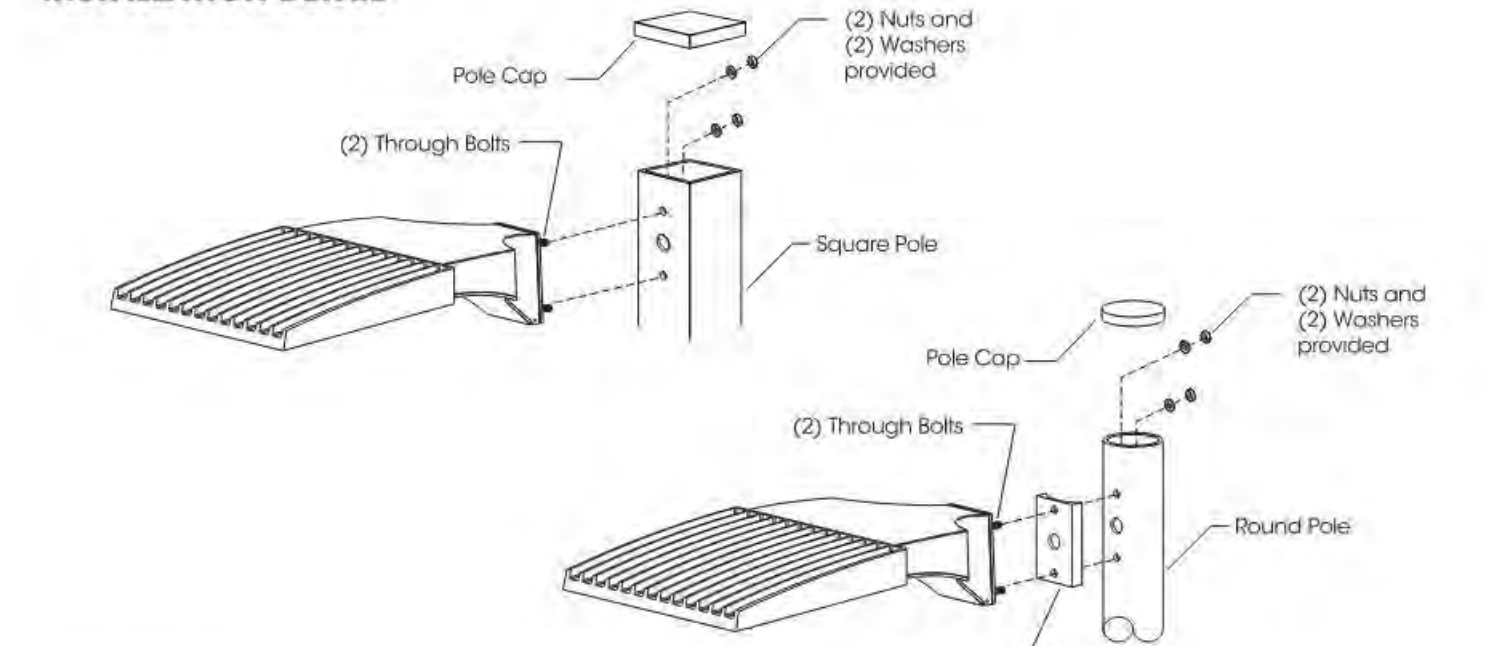
FIXTURE	A	B	C	D
RZR-G	15"	36.5"	3"	7"
RZR	14.75"	28.25"	2.75"	6.5"
RZR-M	11.5"	22"	2.5"	5.25"
RZR-MAF*	15"	28.25"	2.5"	4"

U.S. Pole Company Inc. 660 West Avenue O, Pomona, CA 92568
An Employee Owned Company Phone (951) 233-2000 www.uspole.com

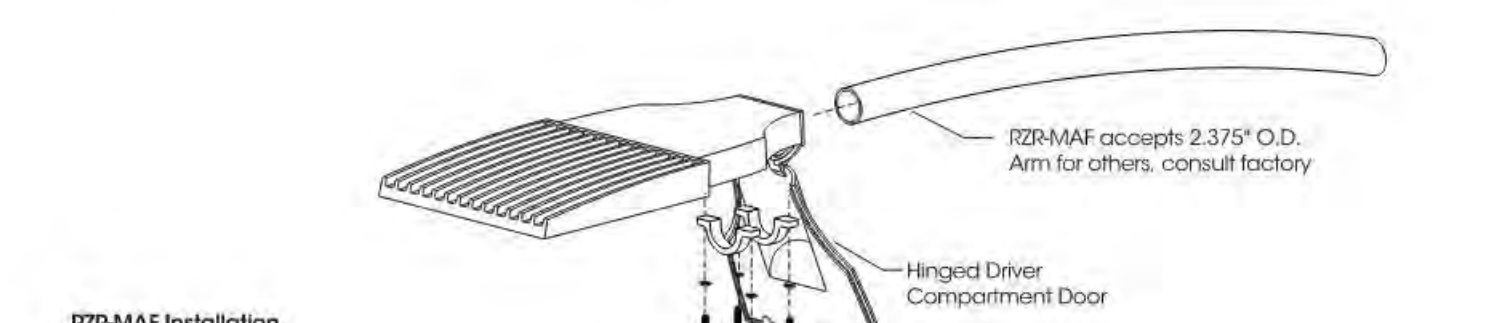


RZR SERIES - LED

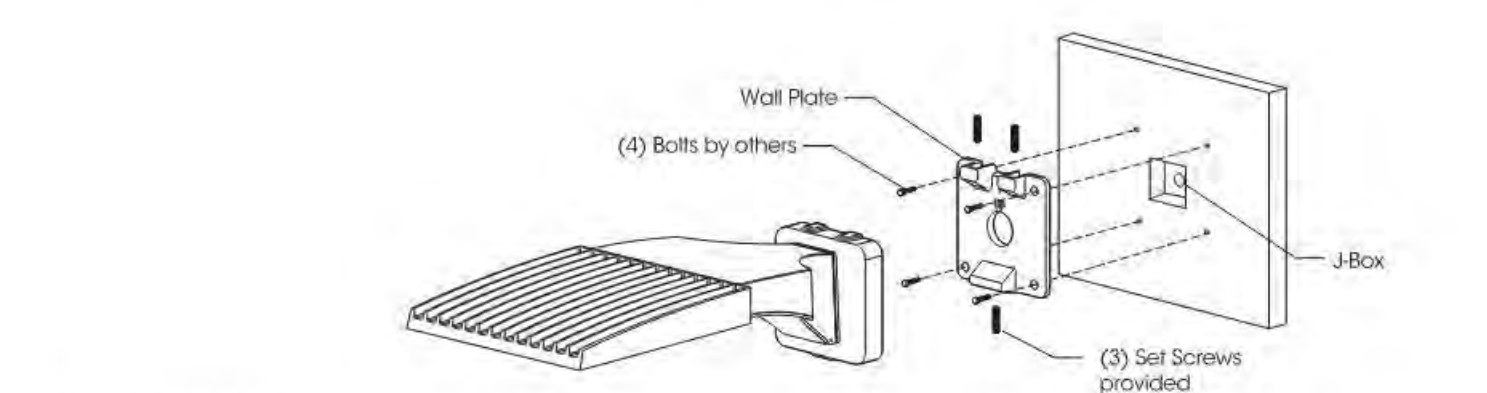
INSTALLATION DETAIL



RZR Installation



RZR-MAF Installation



RZR-WM Installation

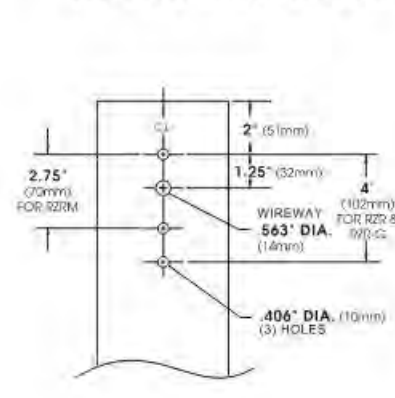
U.S. Pole Company Inc. 660 West Avenue O, Pomona, CA 92568
An Employee Owned Company Phone (951) 233-2000 www.uspole.com



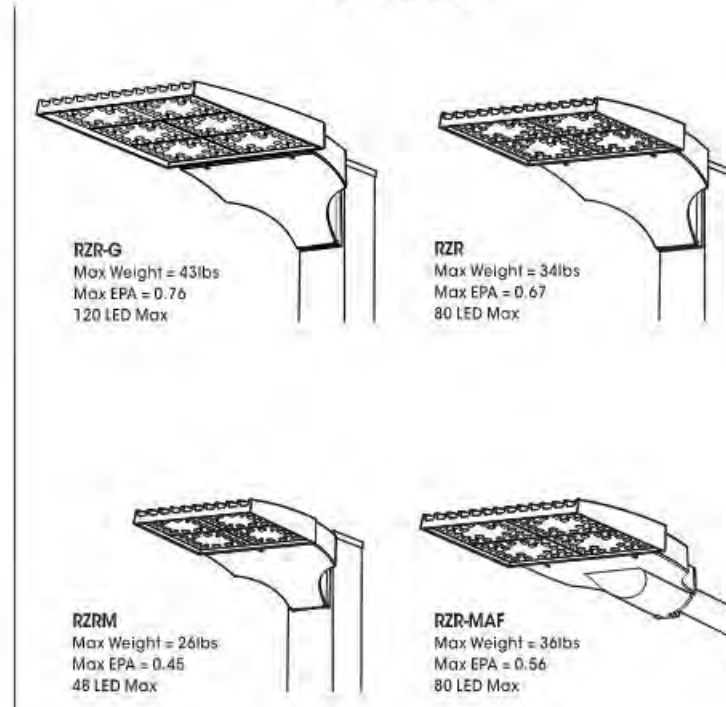
RZR SERIES - LED

SPECIFICATIONS

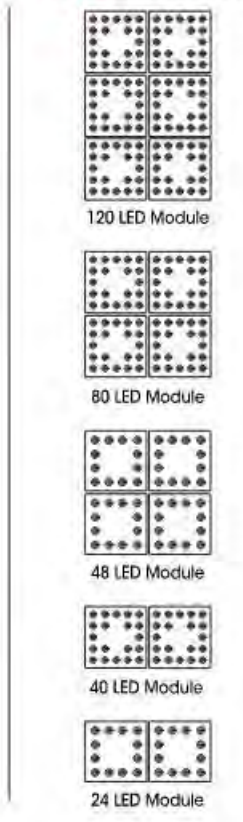
POLE DRILLING TEMPLATE



EPA & WEIGHT



PLED® MODULES



ORDERING INFORMATION

Luminaire	Options	LED Module	Voltage	Mounting	Finish	Options
RZR-G	Type I PLED, Type II PLED, Type III PLED, Type IV PLED, Type V PLED, Type VI PLED, Type VII PLED, Type VIII PLED, Type IX PLED, Type X PLED, Type XI PLED, Type XII PLED, Type XIII PLED, Type XIV PLED, Type XV PLED, Type XVI PLED, Type XVII PLED, Type XVIII PLED, Type XIX PLED, Type XX PLED, Type XXI PLED, Type XXII PLED, Type XXIII PLED, Type XXIV PLED, Type XXV PLED, Type XXVI PLED, Type XXVII PLED, Type XXVIII PLED, Type XXIX PLED, Type XXX PLED	# of LEDs, Drive Current, Color Temp - CCT	120V, 208V, 277V, 480V	Arm Mount, Wall Mount	Standard Textured Finish, Premium Finishes	Internal House Side Shield, External Glass Shield, Round Pole Adapter, Half Lock Receptacle, High Low Dimming, Photocell, Double Fuse, Backlight Programmable, MS-F11

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An Employee Owned Company Phone (951) 233-2000 www.uspole.com



RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - LM-80 LUMEN MAINTENANCE

LED Life / Operating Hours	Lumen Depreciation	Lumen Depreciation Scale Factor
60,000 (10x Test Time Calculated)	1.94	0.94x
100,000 (Theoretical Calculated)	1.92	0.92x
150,000 (Theoretical Calculated)	1.89	0.89x

ELECTRICAL DATA GUIDE - AMPERAGE CHARTS

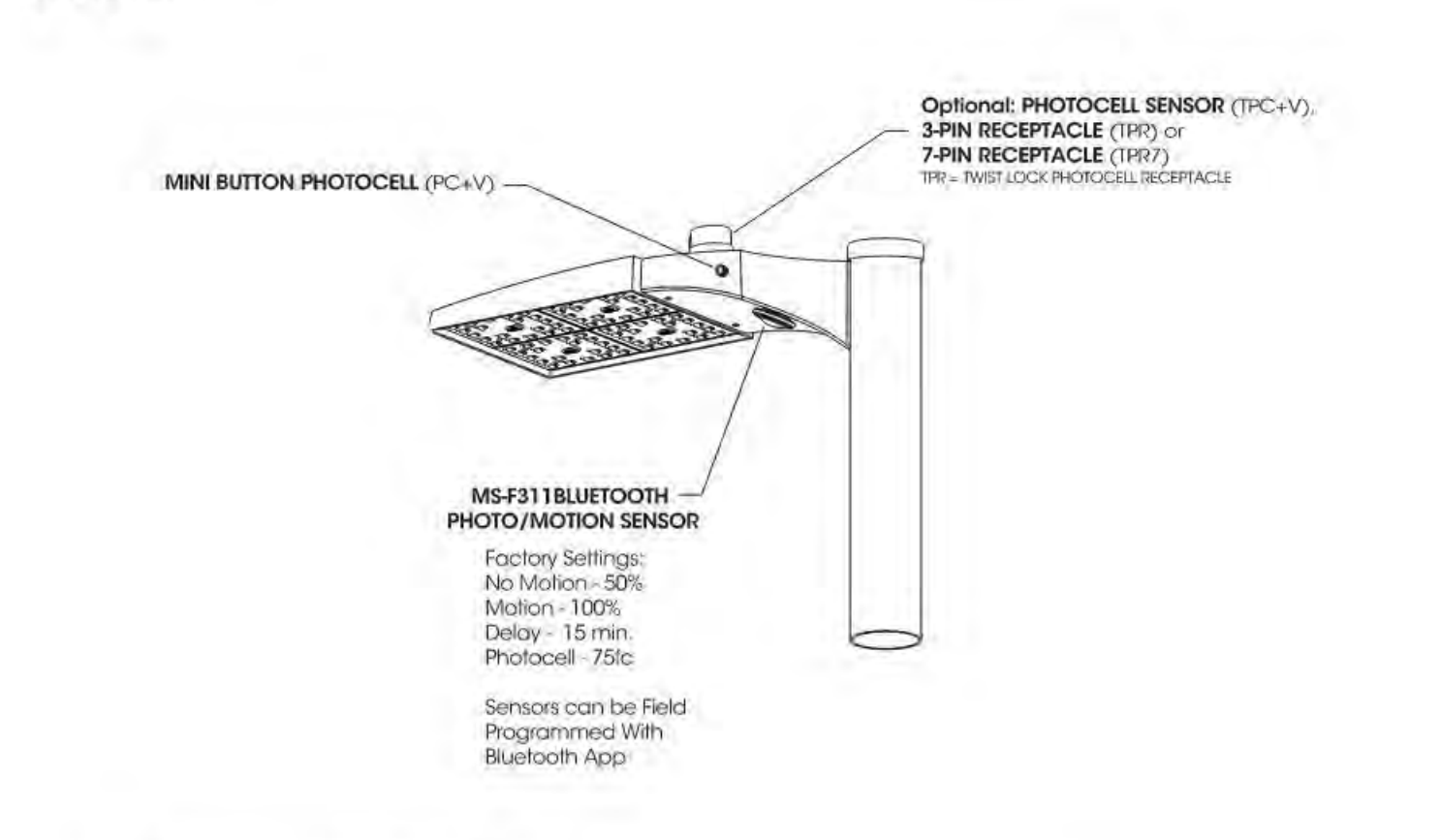
# of LEDs	mA	System Watts	120V	208V	277V	347V	480V
24	350	28	0.24	0.14	0.10	0.08	0.06
24	525	42	0.35	0.20	0.15	0.12	0.09
24	700	56	0.47	0.27	0.20	0.16	0.12
24	875	70	0.57	0.33	0.24	0.20	0.14
24	1050	84	0.68	0.39	0.30	0.24	0.17
48	350	53	0.44	0.25	0.19	0.15	0.11
48	525	79	0.66	0.38	0.29	0.23	0.16
48	700	105	0.88	0.51	0.38	0.30	0.22
48	875	132	1.10	0.63	0.48	0.39	0.27
48	1050	160	1.33	0.77	0.58	0.46	0.33
80	350	43	0.36	0.21	0.15	0.12	0.09
80	525	65	0.54	0.31	0.23	0.19	0.13
80	700	87	0.72	0.42	0.31	0.25	0.18
80	875	108	0.90	0.52	0.39	0.31	0.23
80	1050	129	1.07	0.62	0.46	0.37	0.27
80	350	85	0.71	0.41	0.31	0.25	0.18
80	525	129	1.08	0.62	0.47	0.37	0.27
80	700	174	1.45	0.83	0.63	0.50	0.36
80	875	216	1.80	1.04	0.78	0.62	0.45
80	1050	258	2.14	1.23	0.93	0.74	0.53
120	350	130	1.08	0.63	0.47	0.37	0.27
120	525	192	1.40	0.92	0.69	0.55	0.40
120	700	260	2.17	1.25	0.94	0.75	0.54
120	875	320	2.74	1.58	1.19	0.95	0.69
120	1050	398	3.32	1.91	1.44	1.15	0.83

U.S. Pole Company Inc. 660 West Avenue O, Pomona, CA 92568
An Employee Owned Company Phone (951) 233-2000 www.uspole.com



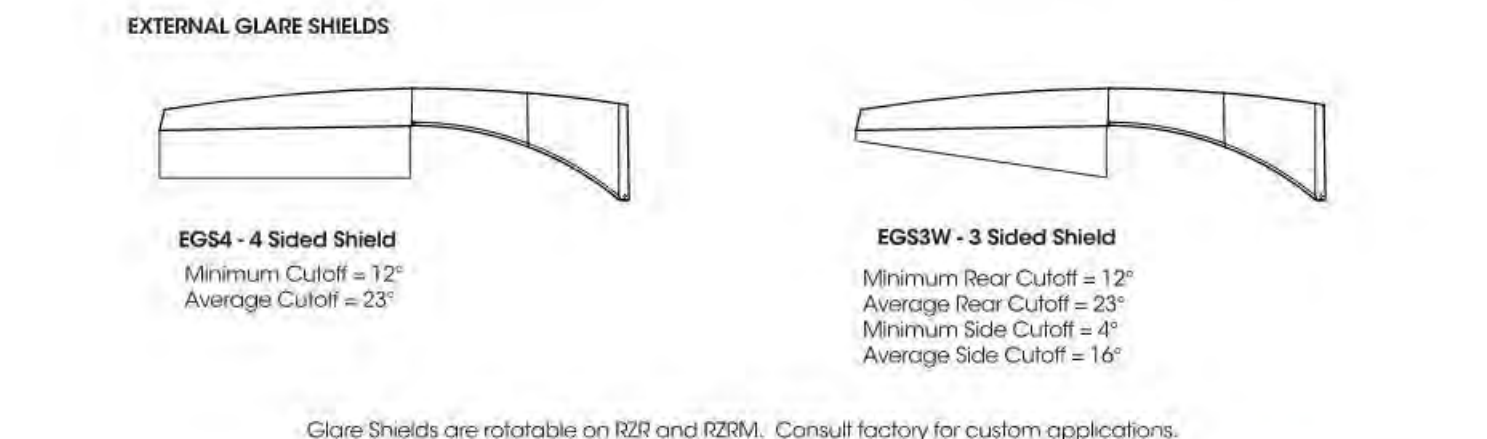
RZR SERIES - LED

OPTIONS



High Low Dimming For Switches (HLSW)
The HLSW is a Small Electronic Switch which Provides High Low Dimming Control Through The LED Driver's 0-10V Control. Switching is Done by Adding a Secondary AC Switched Hot Trigger Line to the HLSW in Addition to the Normal AC Power Line. When the Secondary Trigger Line is Powered, the Fixture will go to 100% Dimming. With no Power to the Trigger the Fixture will operate at 50% or 25% Dimming. Switches for the Trigger Line can be a Normal AC Switch/Breaker or a Timed Switch/Breaker.

Wireless and Other Fixture Controls
Consult Factory for Wireless and Other Fixture Controls and Recommendations. Most Controls Can be Integrated and Factory Installed.

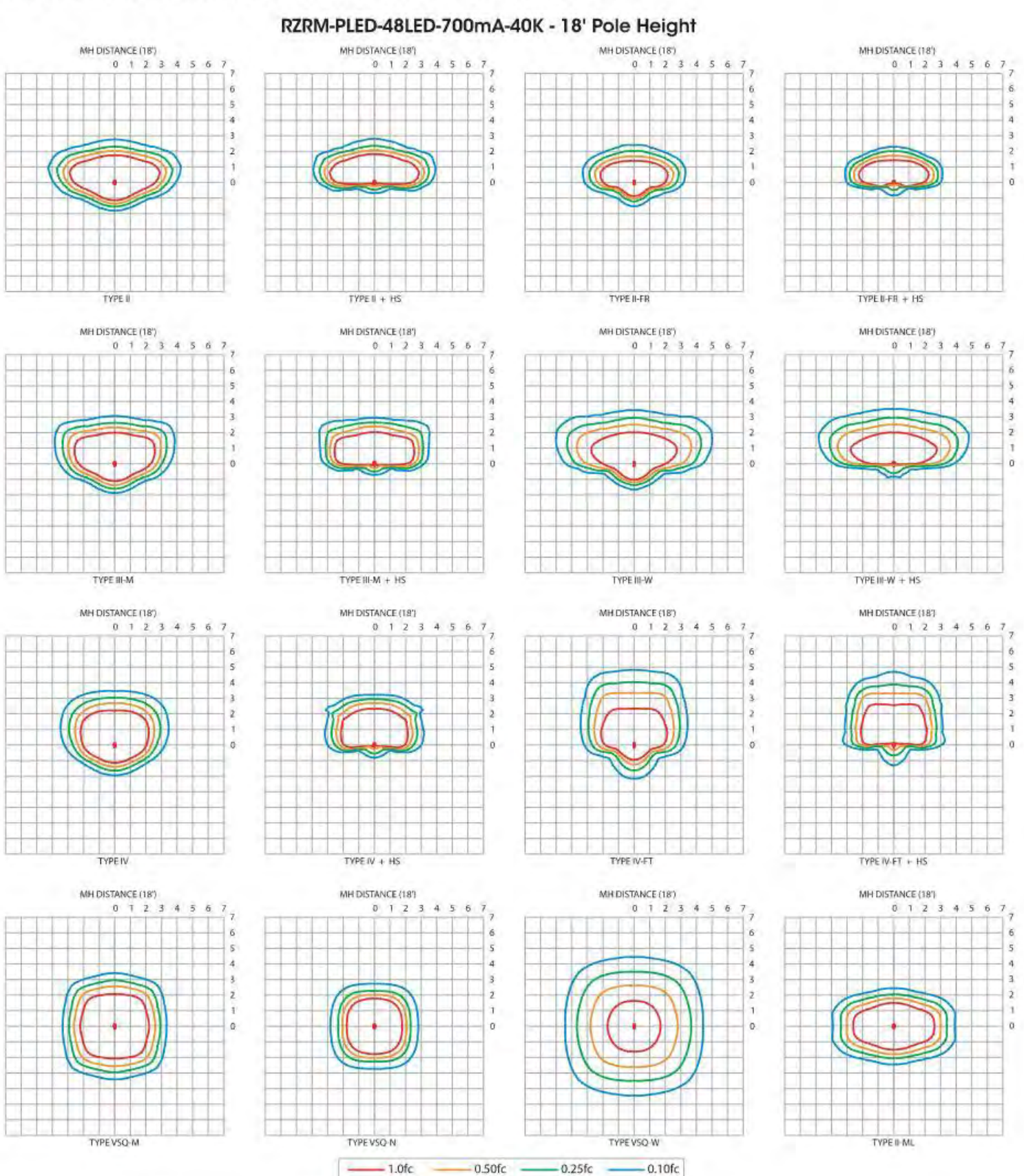


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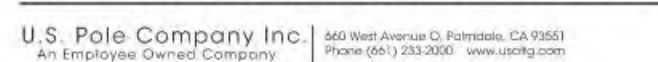
RZR SERIES - LED

PHOTOMETRIC DATA GUIDE - ISOFOOTCANDLE PLOTS



IES File downloads for this product can be found at www.uspole.com/downloads/osr.html

U.S. Pole Company Inc. 660 West Avenue O, Pomona, CA 92568
An Employee Owned Company Phone (951) 233-2000 www.uspole.com



Hufft

PROJECT INFORMATION:
Andy's Frozen Custard
Lantana

3800 FM 407,
Bartonville, TX 76226

OWNER:
ANDY'S FROZEN CUSTARD

211 E. Water Street
Springfield, MO 65806

www.andydcs.com

ARCHITECT:
HUFFT

3612 Kansas Boulevard
Kansas City, MO 64111
P: 816-531-0200

www.hufft.com

STRUCTURAL:
METTEMEYER ENGINEERING, LLC

2225 W. Chesterfield Blvd., Suite 300
Springfield, MO 65807
P: 417-990-9100

CIVIL:
KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

MEP:
RTM ENGINEERING CONSULTANTS

3333 E. Battlefield Road, Suite 1000
Springfield, MO 65804
P: 417-881-0020

LANDSCAPE ARCHITECT:
KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

ISSUE:
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11/6/2023

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Architect: Hufft
License Number: xxx
Drawn By: MS
Project Number: 717

LIGHTING CUT SHEETS

A404

PROJECT INFORMATION:

**Andy's Frozen Custard
Lantana**

3800 FM 407,
Bartonville, TX 76226

OWNER:

ANDY'S FROZEN CUSTARD

211 E. Water Street
Springfield, MO 65806

www.eastandys.com

ARCHITECT:

HUFFT

3612 Barnes Boulevard
Kansas City, MO 64111
P: 816-531-0200

www.hufft.com

STRUCTURAL:

METTEMAYER ENGINEERING, LLC

2225 W. Chesterfield Blvd., Suite 300
Springfield, MO 65807
P: 417-860-8100

CIVIL:

KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

MEP:

RTM ENGINEERING CONSULTANTS

3333 E. Battlefield Road - Suite 1000
Springfield, MO 65804
P: 417-881-0200

LANDSCAPE ARCHITECT:

KIMLEY-HORN

13455 Noel Road - Suite 700
TX, Dallas 75240
P: 972.770.1300

ISSUE:

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11/6/2023

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Architect: ???
License Number: xxx
Drawn By: MS
Project Number: 717

LIGHTING CUT SHEETS

A406



Type:

Model:

Project:

SPECIFICATION SHEET

MODEL 1188 Architectural Series • Inground & Well Lights

FIXTURE SPECIFICATIONS:

DOOR:
Die-cast, low copper content, A360 aluminum. Post anodized Type III (hard anodized) and powder coated for maximum corrosion protection. Captive stainless steel fasteners affixed to a ventilated door. Inner vents allow hot air to escape from around optic housing while outer vents allow cool air to enter fixture housing.

REFLECTOR:
Compression-molded, glass-reinforced polymer for strength and high UV stability. Molded with integral junction box. Unibody construction allows for superior door and optic housing support. J-box comes standard with two 1/4" NPT bottom **B34** tapped holes, 3/4" NPT front **F34**, 1/2" NPT side **S34** and 3/4" NPT all **A34** conduit entry holes optional (Consult Factory).

OPTIC HOUSING:
Die-cast A360 aluminum. Fined for maximum heat dissipation. Type III hard anodized and Thermokote treated for maximum corrosion protection. Optic and driver compartment separately sealed while being electrically connected.

DRIVER COMPARTMENT:
Injection molded PPS for maximum corrosion protection. Driver compartment houses electronic LED driver and thermostat which cuts power to fixture in anomalous ambient temperature conditions. Driver compartment is completely epoxy potted to protect electronics from moisture.

DOOR FINISH:
Durable powder coat finish available in Black, Architectural Bronze, Dark Bronze, Granite, White, Architectural Brick, Light Bronze, Special Bronze, Glossy Gray, Rust, Hunter Green, Weathered Bronze, Weathered Iron, Graphite Metallic, Verde, Pewter, Mocha and Olde Finish. Custom Powder coat finishes available on request.

LED:
Cree® CXA 3050COB driven at 700mA, 800mA, or 900mA.

CRI:
The CRI range is 83 - 84.

COLOR TEMPERATURE:
LED's are offered in 2700°K, 3000°K, 3500°K, 4000°K, or 5000°K CCT. ANSI white 4 step Cree® Easy White™ bins.

LIGHT DISTRIBUTION:
Very Narrow Spot **VNS** (NEMA 2x2), Narrow Spot **NS** (NEMA 2x2), Medium Flood **MF** (NEMA 4x4), and Wide Flood **WF** (NEMA 6x6).

LENSE/SEAL:
1/2" thick tempered pressed clear glass sealed with a solid molded silicone gasket.

WIRING:
3' 18/3 outdoor-rated hard usage cable standard for non-dimming **ND** and Phase Cut TRIAC (120V only) dimming **PCT** fixtures. 3' 18/5 outdoor-rated hard usage cable standard for 0-10V dimming **O10** fixtures. Cable exits fixture housing through a liquid tight cable fitting.

DRIVER:
Integral CUL listed LED driver, either non-dimmable **ND** or dimmable. Dimming: 0-10VDC **O10** and Phase Cut TRIAC (120V only) **PCT** options available. Multi-Volt **MV** 120V-277V Driver input standard.

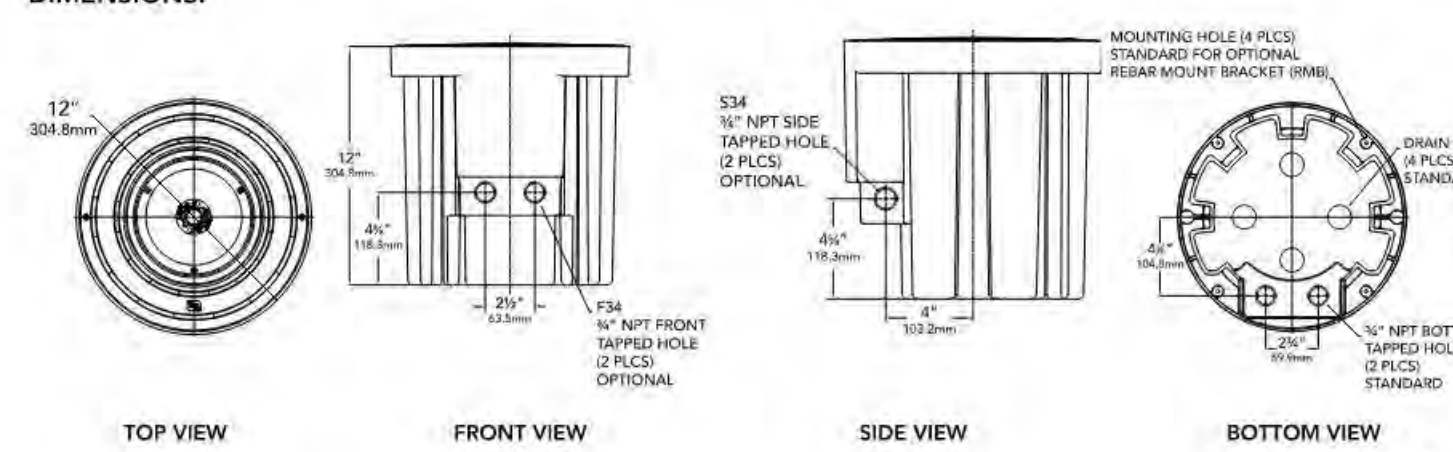
ACCESSORIES:
T05 - Tilt Optic 5°, **T010** - Tilt Optic 10°, **T015** - Tilt Optic 15°, **T025** - Tilt Optic 25°, **DF** - Diffuse Filter, **LSF** - Linear Spread Filter, **RBK** - Rebar Bracket Kit, **STR** - Stainless Trim Ring, and **HS** - Half Glare Shield. Dichroic Lenses: **YL** - Yellow, **RL** - Red, **BL** - Blue, **GL** - Green.

MOUNTING:
Fixture suitable for direct burial in earth or poured concrete applications.

CERTIFICATION:
C ETL US wet location listed. IP68

All Vista Architectural luminaires are MADE IN THE U.S.A.

DIMENSIONS:



Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

1625 Surveyor Avenue • Sim Valley, CA 93063 • (805) 527-0987 • (800) 766-VISTA (8478)
FAX: (888) 670-VISTA (8476) • email@vistalighting.com • www.vistalighting.com



SPECIFICATION SHEET

MODEL 1188 Architectural Series • Inground & Well Lights

LAMP SPECIFICATIONS

LED:
• High lumen output LED powered for high efficacy
• Cree® CXA 3050 COB driven at 700mA, 800mA, or 900mA
• 2700°K, 3000°K, 3500°K, 4000°K, or 5000°K CCT ANSI white 4 step Cree® Easy White™ bins.
• 1150-3248 Delivered Lumens
• 25-35 Watts

OPTICS/AIMING:
• Specular or semi-specular optics designed for maximum performance and uniformity.
• Very Narrow Spot **VNS** (NEMA 2x2), Narrow Spot **NS** (NEMA 2x2), Medium Flood **MF** (NEMA 4x4), and Wide Flood **WF** (NEMA 6x6).
• Fixture aiming achieved via a series of tilt optic lenses and patent pending magnetic aiming system.

ELECTRICAL:
• Constant current 700mA, 800mA, or 900mA output driver.
• Multi-Volt **MV** 120V-277V universal input.
• 3' 18/3 outdoor-rated hard usage cable standard for non-dimming fixtures and Phase Cut TRIAC PCT dimming fixtures.
• 3' 18/5 outdoor-rated hard usage cable standard for 0-10V dimming fixtures.

1188 SERIES LOAD RATING:
• Peak compressive force of 8,000 lbs. This represents 95% of max load to load failure on average. Independent tests performed by SGS US Testing Company, Inc., an ISO 17025 accredited National Testing Laboratory.

FIXTURE ORDERING INFORMATION

TO ORDER FIXTURE: Select appropriate choice from each column as in the following example.

EXAMPLE: 1188-GG-NS-30-A-MV-CX-ND-F34-T05

MODEL	DOOR FINISH	DISTRIBUTION	COLOR TEMPERATURE	DELIVERED LUMENS
1188	Standard	VNS - Very Narrow Spot	27 - 2700°K	A - 1500-2000
	B - Black	NS - Narrow Spot	30 - 3000°K	B - 2000-2500
	Z - Architectural Bronze	MF - Medium Flood	35 - 3500°K	C - 2500-3000
	DZ - Dark Bronze	WF - Wide Flood	40 - 4000°K	
	SE - Special Bronze		50 - 5000°K	1188-VNS not available with B & C lumen packages.
	W - White			
	Premium			
	BR - Architectural Brick			
	LZ - Light Bronze			
	SB - Special Bronze			
	GG - Glossy Gray			
	R - Rust			
	HG - Hunter Green			
	WB - Weathered Bronze			
	WI - Weathered Iron			
	GM - Graphite Metallic			
	Hand Finished			
	G - Verde			
	P - Pewter			
	M - Mocha			
	OF - Olde Finish			

VOLTAGE	LENS	DIMMING	CONDUIT ENTRIES	ACCESSORIES
MV - Multi-Volt (120V-277V)	CC - Crowned Clear AX - Anti Slip Clear	ND - No Dimming O10 - 0-10V PCT - Phase Cut TRIAC (120V only)	B34 - Bottom 3/4" (standard) F34 - Front 3/4" S34 - Sides 3/4" A34 - All 3/4" (available as an option) (Consult Factory)	T05 - Tilt Optic 5° T010 - Tilt Optic 10° T015 - Tilt Optic 15° T025 - Tilt Optic 25° DF - Diffuse Filter LSF - Linear Spread Filter RBK - Rebar Bracket Kit STR - Stainless Trim Ring HS - Half Glare Shield YL - Yellow Lens RL - Red Lens BL - Blue Lens GL - Green Lens *Colored Lenses not available with B & C Lumen packages.

Vista Professional Outdoor Lighting reserves the right to modify the design and/or construction of the fixture shown without further notification.

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SPECIFICATION SHEET

MODEL 1188 Architectural Series • Inground & Well Lights

LUMEN OUTPUT PACKAGES

Beam Spread	Lumens		
	A	B	C
VNS	34.9° Vents 1696.9 Lumens		
NS	31.5° Vents 2180 Lumens	35.9° Vents 2488 Lumens	36.7° Vents 2796 Lumens
MF	30.7° Vents 2120 Lumens	35.0° Vents 2418 Lumens	35.8° Vents 2718 Lumens
WF	32.4° Vents 2532 Lumens	37.0° Vents 2891 Lumens	37.8° Vents 3248 Lumens

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1188.3.20.20

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PROJECT INFORMATION:
Andy's Frozen Custard
 Lantana
 3800 FM 407,
 Bartonville, TX 76226

OWNER:
ANDY'S FROZEN CUSTARD
 211 E. Water Street
 Springfield, MO 65806
 www.andydys.com

ARCHITECT:
HUFFT
 3612 Kansas Boulevard
 Kansas City, MO 64111
 P: 816-531-0200

STRUCTURAL:
METTEMAYER ENGINEERING, LLC
 2225 W. Chesterfield Blvd., Suite 300
 Springfield, MO 65807
 P: 417-990-9300

CIVIL:
KIMLEY-HORN
 13455 Noel Road - Suite 700
 TX, Dallas 75240
 P: 972.770.1300

MEP:
RTM ENGINEERING CONSULTANTS
 3333 E. Bathfield Road, Suite 1000
 Springfield, MO 65804
 P: 417-881-0020

LANDSCAPE ARCHITECT:
KIMLEY-HORN
 13455 Noel Road - Suite 700
 TX, Dallas 75240
 P: 972.770.1300

ATTACHMENT METHOD:
 1/2" Metal Screws
 Deck Screws w/ Rubber Washer

UL LISTINGS:
 UL, ETL, CE, FCC, RoHS, REACH, ISO 9001, ISO 14001, ISO 45001

ISSUE:
CONSTRUCTION DOCUMENTS
 11/6/2023

REVISION SCHEDULE:
 NO. DATE ISSUE

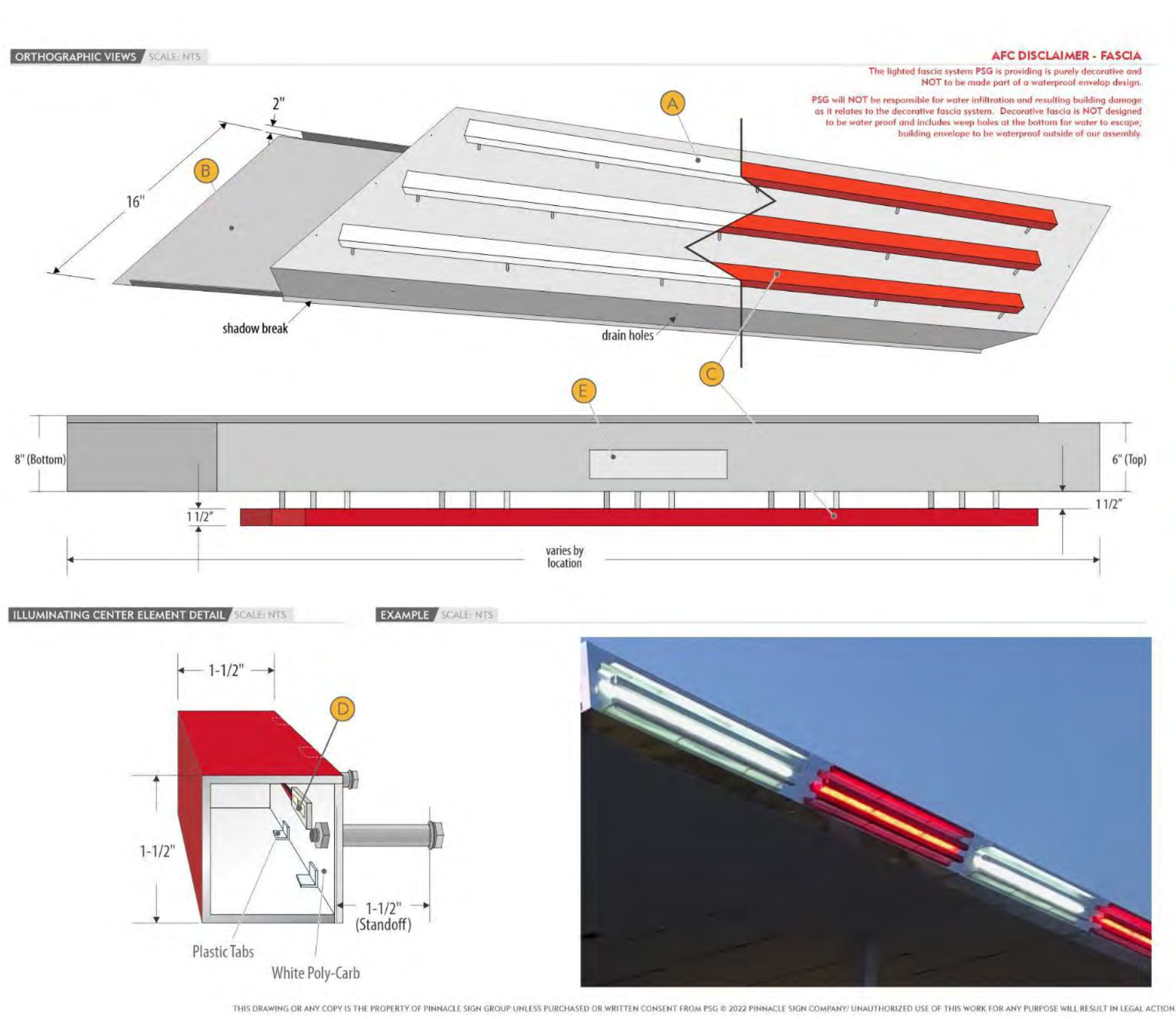
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Architect: ???
 License Number: xxx
 Drawn By: MS
 Project Number: 717

BUILDING SIGNAGE

A501

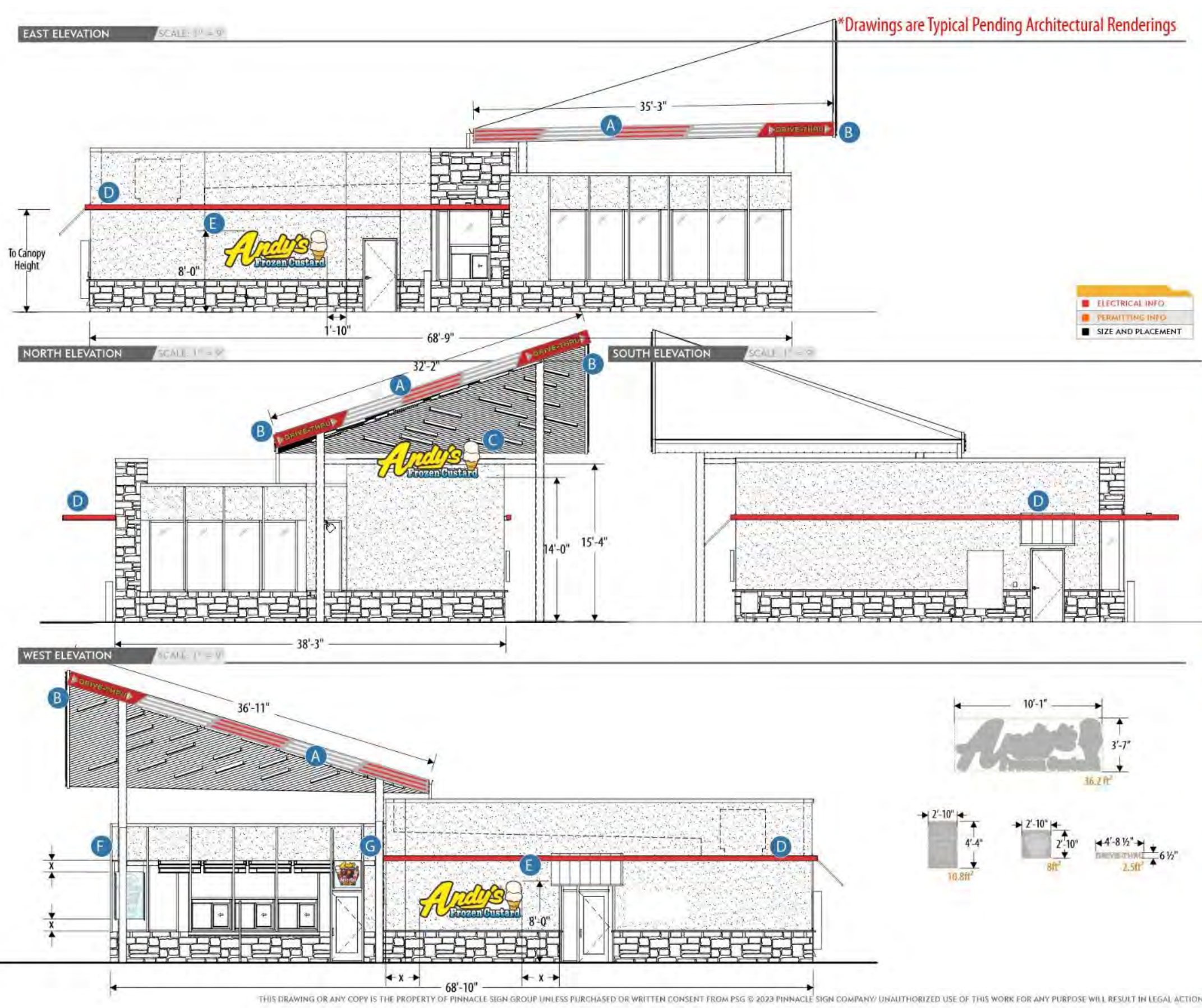


ANDY'S FROZEN CUSTARD	
CUSTOMER	ANDY'S FROZEN CUSTARD
PROJECT NUMBER	1026-23-EVAL-1
DATE REVISION	AS SHOWN
DESIGNER	DEREK CROUCH
PROJECT MANAGER	TIM SWAIM
LOCATION	LANTANA, BARTONVILLE, TX
SCOPE OF WORK	Reverse Channel Illuminated Fascia Cabinets (AFC-OPT-FASC-3)
	LED Illuminated Corner Fascia Cabinets (AFC-OPT-FASC-1)
	Internally Lit Channel Cabinets (AFC-OPT-EVAL-2)
	LED Accent Light Band (1026-23-BAND-1)
	Internally Lit Channel Cabinets (1026-23-EVAL-1)
	Neon "Made Fresh Hourly" Sign (AFC-STD-EVAL-2)
	Neon "Sprinkler" Sign (AFC-STD-EVAL-3)
	Access Panel



ANDY'S FROZEN CUSTARD	
CUSTOMER	ANDY'S FROZEN CUSTARD
PROJECT NUMBER	1026-23-EVAL-1
DATE REVISION	AS SHOWN
DESIGNER	DEREK CROUCH
PROJECT MANAGER	TIM SWAIM
LOCATION	LANTANA, BARTONVILLE, TX
SCOPE OF WORK	Internally Illuminated Channel Cabinets
	Trimcap
	5" Returns
	Digitally Printed Graphics Applied To Acrylic Faces
	Flush mounted to building exterior
	Clear acrylic tab for Register Trademark - Vinyl applied to acrylic tab
	Power supply self contained within Andy's Cabinet

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DATE REVISION	AS SHOWN
DESIGNER	DEREK CROUCH
PROJECT MANAGER	TIM SWAIM
LOCATION	LANTANA, BARTONVILLE, TX
SCOPE OF WORK	BUILDING SIGNAGE
	Reverse Channel Illuminated Fascia Cabinets (AFC-OPT-FASC-3)
	LED Illuminated Corner Fascia Cabinets (AFC-OPT-FASC-1)
	Internally Lit Channel Cabinets (AFC-OPT-EVAL-2)
	LED Accent Light Band (1026-23-BAND-1)
	Internally Lit Channel Cabinets (1026-23-EVAL-1)
	Neon "Made Fresh Hourly" Sign (AFC-STD-EVAL-2)
	Neon "Sprinkler" Sign (AFC-STD-EVAL-3)
	Access Panel

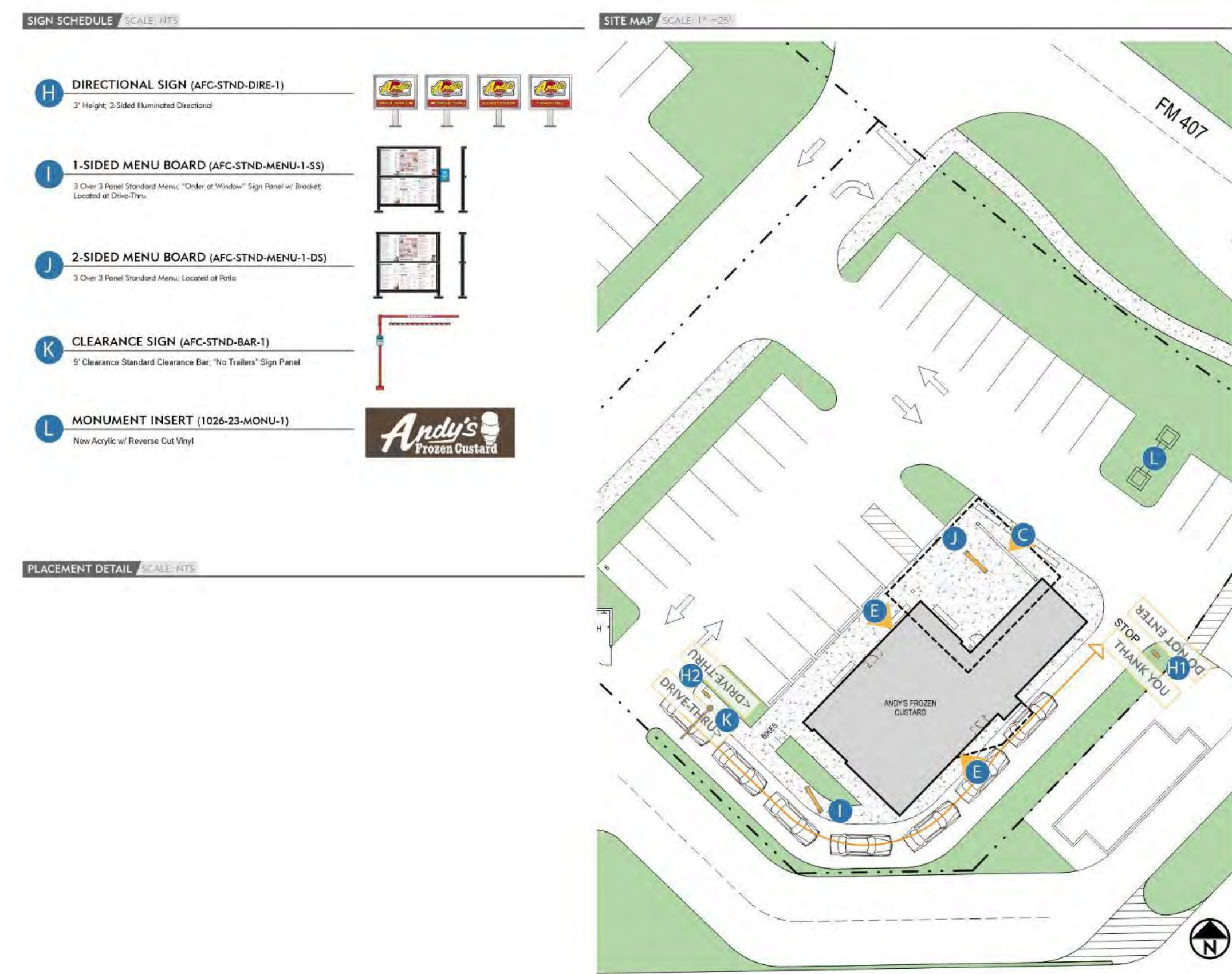


PINNACLE SIGN GROUP	
CUSTOMER	ANDY'S FROZEN CUSTARD
PROJECT NUMBER	AFC-OPT-FASC-1
DATE REVISION	AS SHOWN
DESIGNER	DEREK CROUCH
PROJECT MANAGER	TIM SWAIM
LOCATION	LANTANA, BARTONVILLE, TX
SCOPE OF WORK	Reverse Channel Illuminated Fascia Cabinets (AFC-OPT-FASC-3)
	LED Illuminated Corner Fascia Cabinets (AFC-OPT-FASC-1)
	Internally Lit Channel Cabinets (AFC-OPT-EVAL-2)
	LED Accent Light Band (1026-23-BAND-1)
	Internally Lit Channel Cabinets (1026-23-EVAL-1)
	Neon "Made Fresh Hourly" Sign (AFC-STD-EVAL-2)
	Neon "Sprinkler" Sign (AFC-STD-EVAL-3)
	Access Panel
	Electrical Requirements
	120V, 2.75A per Cabinet
	ARCHITECT SHALL COORDINATE ALL FLASHING DETAILS TO PROVIDE WEATHERTIGHT SEAL BETWEEN FASCIA AND ROOF SYSTEM.
	Attachment Method
	1/2" Metal Screws
	Deck Screws w/ Rubber Washer

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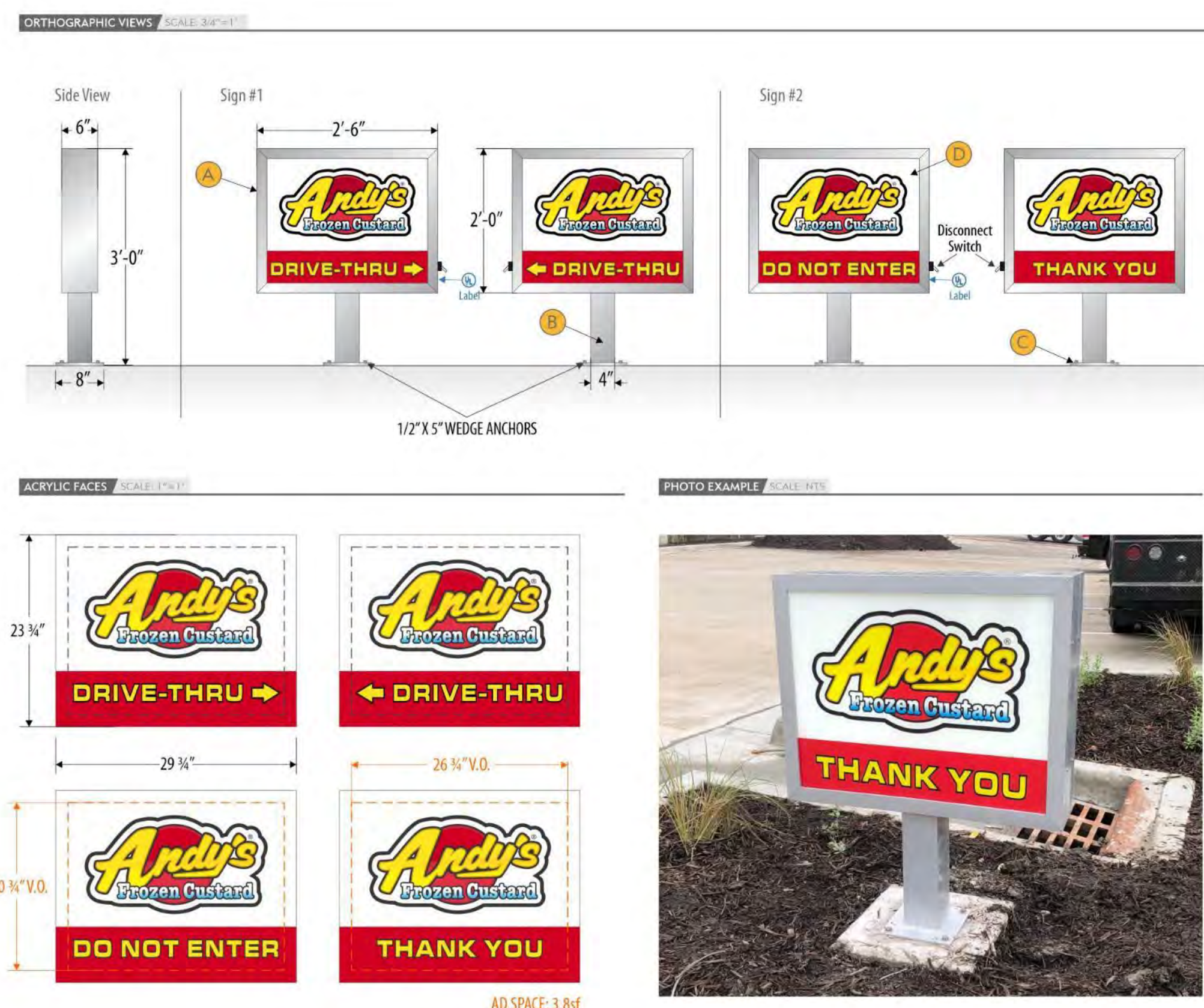
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ANDY'S FROZEN CUSTARD - MASTER
 CUSTOMER: ANDY'S FROZEN CUSTARD
 1026-23-SITE-1 AS SHOWN ELEVATION
 DRAWING NUMBER: 10.26.23
 DATE REVISED: 10.26.23
 DESIGNER: DEREK CROUCH
 PROJECT MANAGER: TIM SWAIM
 LOCATION: LANTANA, BARTONVILLE, TX

DESCRIPTION	QUANTITY
BUILDING SIGNAGE	
Internally Lit Channel Cabinets (AFC-OPT-EWAL-2)	1
Internally Lit Channel Cabinets (1026-23-EWAL-1)	2
DETACHED SIGNAGE	
2-Sided Illuminated Directional (AFC-STND-DIRE-1)	2
1-Sided Menu Board (AFC-STND-MENU-1-SS)	1
2-Sided Menu Board (AFC-STND-MENU-1-DS)	1
Clearance Bar (AFC-STND-BAR-1)	1
Monument Reface (1026-23-MONU-1)	1



PINNACLE SIGN GROUP

ANDY'S FROZEN CUSTARD - MASTER
 CUSTOMER: ANDY'S FROZEN CUSTARD
 AFC-STND-DIRE-1 AS SHOWN ELEVATION
 DRAWING NUMBER: 09.15.22
 DATE REVISED: 09.15.22
 DESIGNER: DEREK CROUCH
 PROJECT MANAGER: TIM SWAIM
 LOCATION: ALL

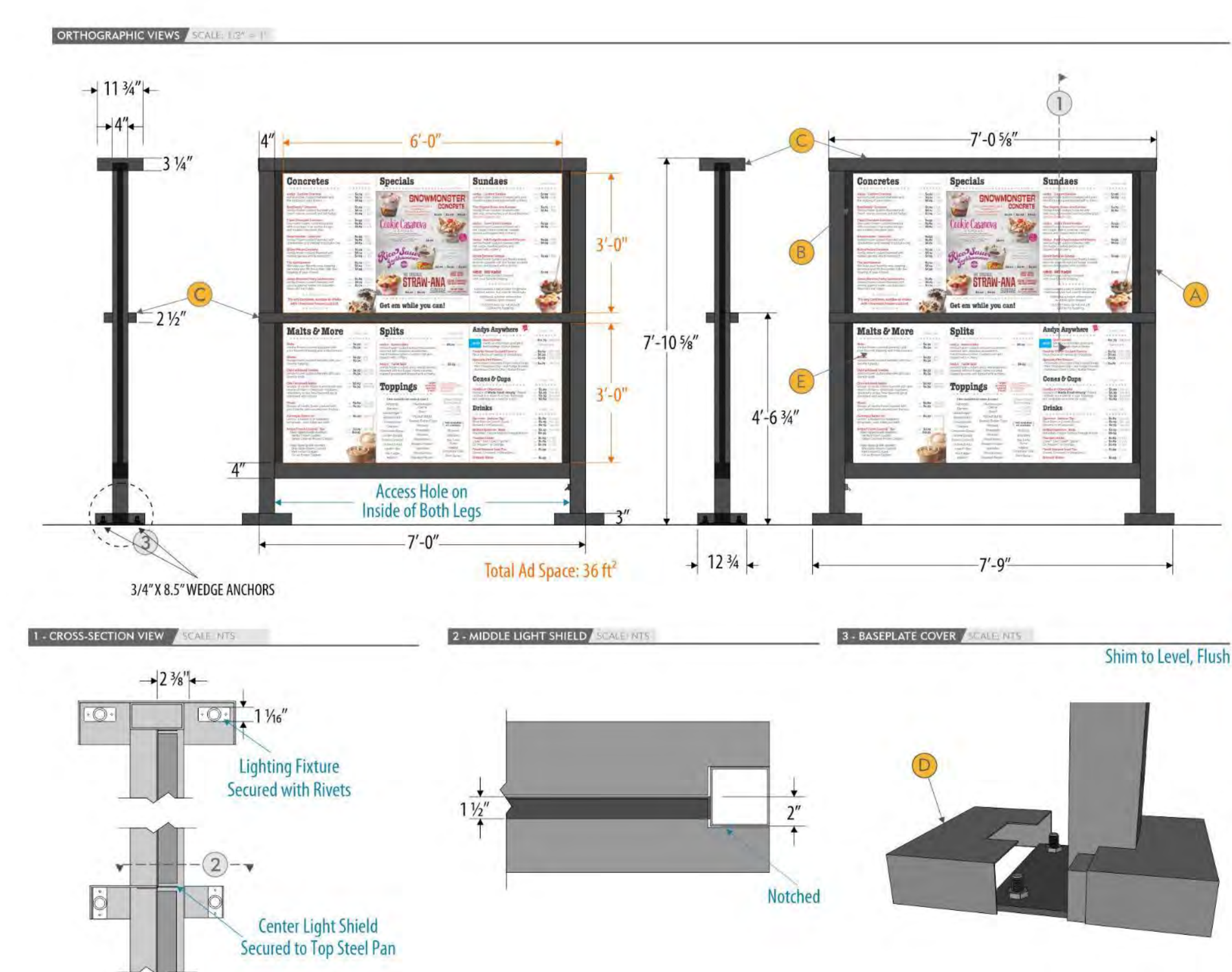
SCOPE OF WORK

2-Sided Internally Illuminated Directional

- Aluminum Extruded Cabinet
 - Paint - MP LV9933 Super Sparkle Silver (S610)
- 4" Aluminum Square Post
 - Paint - MP LV9933 Super Sparkle Silver (S610)
- 1/4" Aluminum Mounting Bracket
 - Paint - MP LV9933 Super Sparkle Silver (S610)
- Clear Acrylic w/ Printed Vinyl Graphics
 - 1st Layer Vinyl - Digital Print on Clear Applied to 1st Surface
 - 2nd Layer Vinyl - Digital Print on Translucent Applied to 1st Surface
- Electrical Requirements - 120V, 1.2A

ATTACHMENT METHOD

BASE PLATE DETAIL



PINNACLE SIGN GROUP

ANDY'S FROZEN CUSTARD - MASTER
 CUSTOMER: ANDY'S FROZEN CUSTARD
 AFC-STND-MENU-1-DS AS SHOWN ELEVATION
 DRAWING NUMBER: 03.17.22
 DATE REVISED: 03.17.22
 DESIGNER: DEREK CROUCH
 PROJECT MANAGER: TIM SWAIM
 LOCATION: ALL

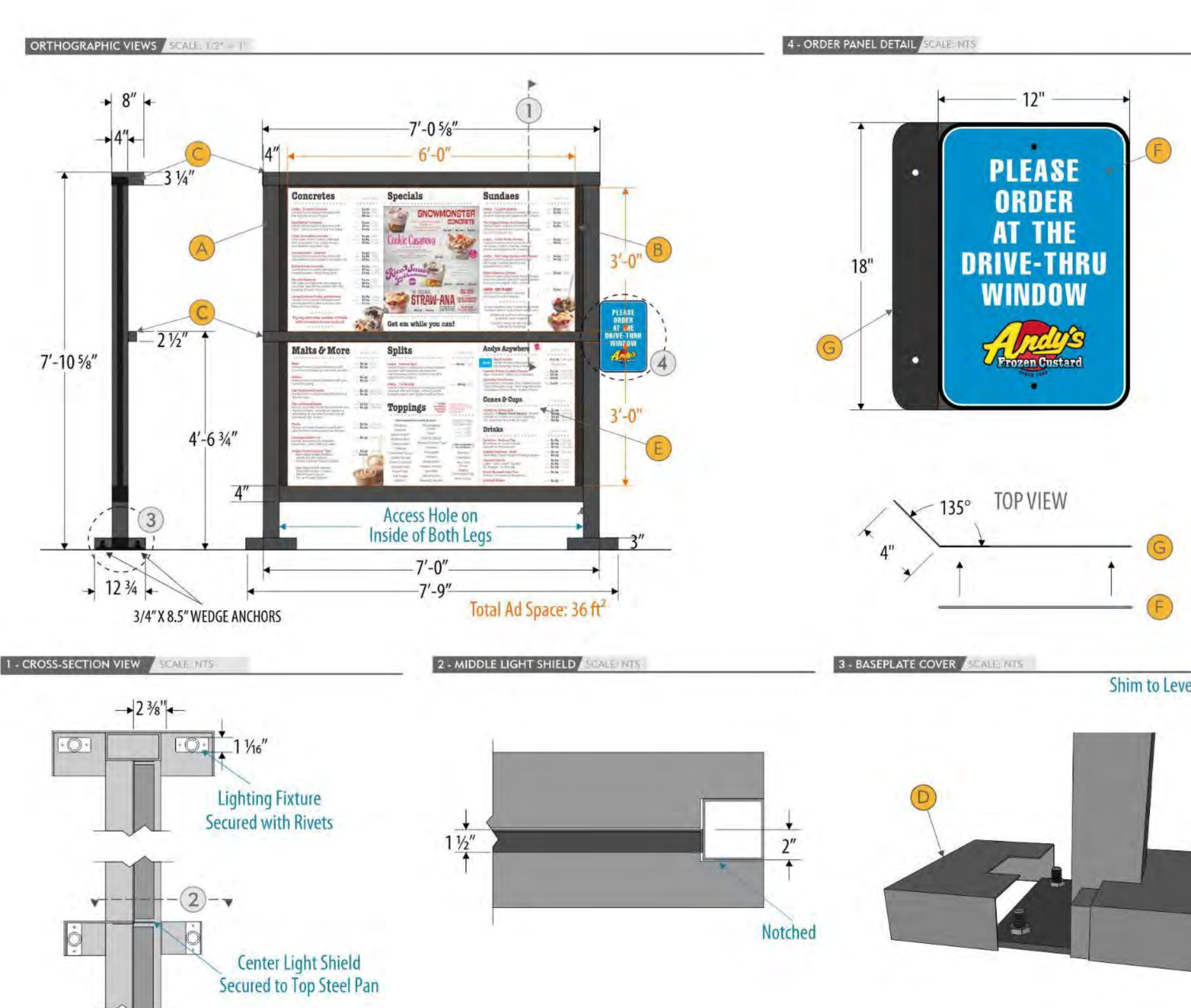
SCOPE OF WORK

2-Sided Internally Illuminated Menu

- Painted 4" Aluminum Tube Frame
 - Paint - Black (S610)
- Painted Steel Pan Magnet Backer
 - Paint - Black (S610)
- Fabricated Aluminum Light Shield
- Bolt Covers Painted to Match
- Magnetic Menu Panels by Others
- Electrical Requirements - 120V, 4A

TOP VIEW

BASE PLATE



PINNACLE SIGN GROUP

ANDY'S FROZEN CUSTARD - MASTER
 CUSTOMER: ANDY'S FROZEN CUSTARD
 AFC-STND-MENU-1-SS AS SHOWN ELEVATION
 DRAWING NUMBER: 03.17.22
 DATE REVISED: 03.17.22
 DESIGNER: DEREK CROUCH
 PROJECT MANAGER: TIM SWAIM
 LOCATION: ALL

SCOPE OF WORK

1-Sided Internally Illuminated Menu

- Painted 4" Aluminum Tube Frame
 - Paint - Black (S610)
- Painted Steel Pan Magnet Backer
 - Paint - Black (S610)
- Fabricated Aluminum Light Shield
- Bolt Covers Painted to Match
- Magnetic Menu Panels by Others
- .080 Aluminum "Drive Thru" Sign
- Painted .080 Aluminum Bracket
 - Paint - Black (S610)
- Electrical Requirements - 120V, 2A

TOP VIEW

BASE PLATE

**NOT FOR CONSTRUCTION
 DO NOT COPY/
 DISTRIBUTE**

Exhibit 2



December 20, 2023

[NAME]

[ADDRESS]

[CITY], [STATE] [ZIP]

Re: Proposed Conditional Use Permit and Site Plan for Andy's Frozen Custard

Dear [NAME],

The Planning and Zoning Commission for the Town of Bartonville, Texas will conduct a public hearing at 7:00pm on January 3, 2024, at Bartonville Town Hall, 1941 E. Jeter Road, Bartonville, Texas, to hear public comment and consider recommendations to the Town Council regarding an Ordinance amending the Town of Bartonville Code of Ordinances, Chapter 14, Exhibit "A," Article 14.02, Ordinance 361-05, Zoning Regulations for the Town of Bartonville, to establish a Conditional Use Permit for a restaurant with drive-through on a 1.34-acre tract or parcel of land situated in Lot 3, Block A, of DCFWSD #7 Retail Center Addition, in the Town of Bartonville, Denton County, Texas. The subject property is located west of the intersection of Justin Road and E Jeter Road, in Bartonville, Texas. The applicant is Jennifer Gansert of Kimley-Horn and Associates, Inc. The Town of Bartonville file number for this application is CUP-2023-006;

and a Resolution approving a Site Plan for the same property described above, containing a restaurant with a drive-through and other site appurtenances. The Town of Bartonville file number for this application is SP-2023-003.

The Town Council will conduct a second Public Hearing at 6:30pm on January 16, 2024, at Bartonville Town Hall, 1941 E. Jeter Road, Bartonville, Texas, to hear public comment and consider the proposed Conditional Use Permit and Site Plan, and recommendations of the Planning and Zoning Commission. All interested parties are encouraged to attend.

Sincerely,

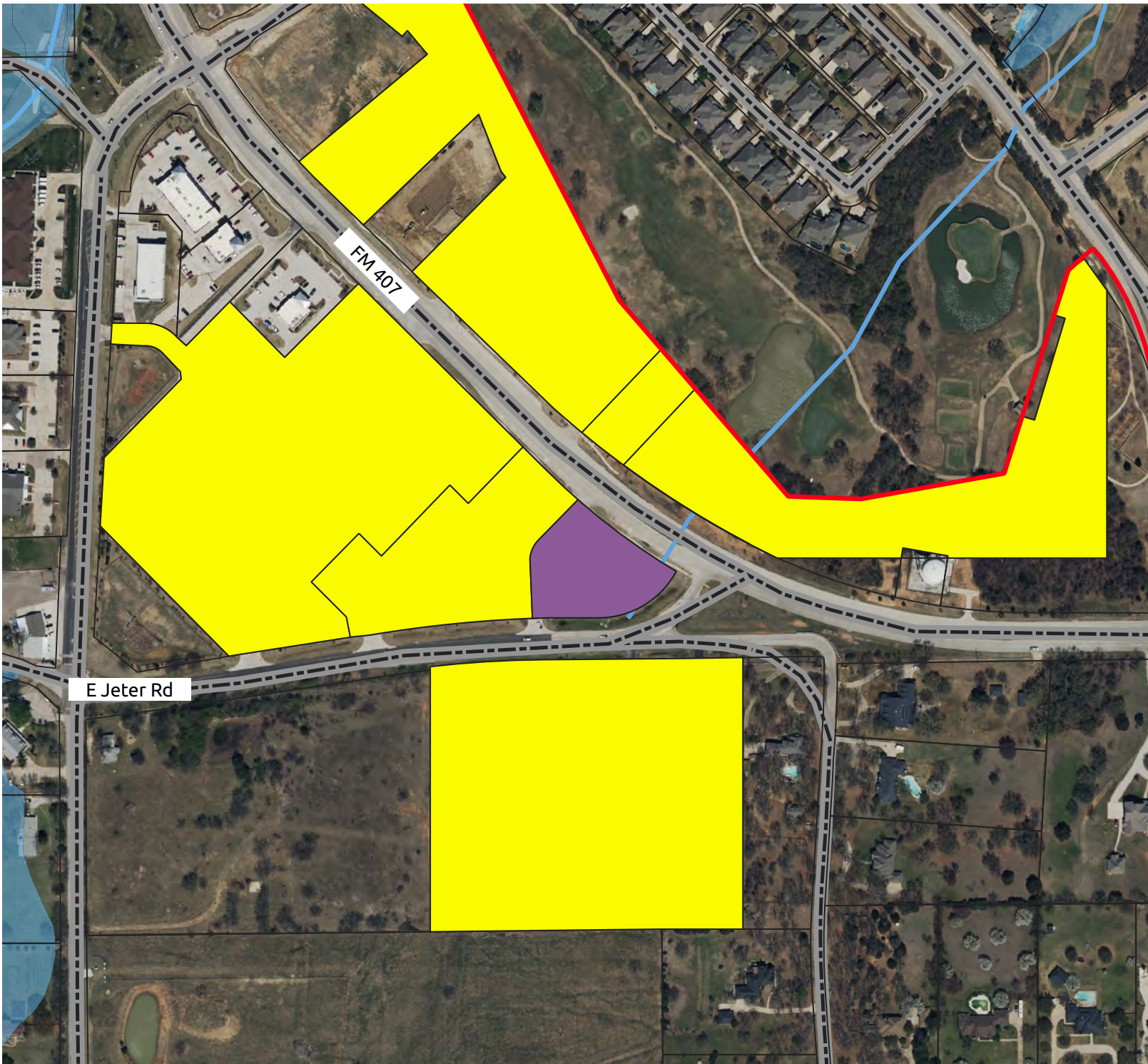
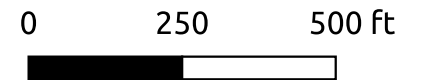
Thad Chambers, CPM
Town Administrator
Town of Bartonville

enclosure

Andy's Frozen Custard Conditional Use Permit and Site Plan

Town File #
CUP-2023-006,
SP-2023-003

-  Andy's Frozen Custard Property
-  Noticed Parcels
-  Roads
-  Bartonville Town Limits
-  Floodplain
-  Creeks



Andy's Frozen Custard Notification List

NAME	ADDRESS	CITY	STATE	ZIP
FIRST CHURCH NAZARENE	2200 E JETER RD	BARTONVILLE	TX	76226-8439
KROGER TEXAS LP C/O REAL ESTATE DEPARTMENT	751 FREEPORT PKWY	COPPELL	TX	75019-4411
A-S 114 LANTANA TOWN CENTER LP	8827 W SAM HOUSTON PKWY N STE 200	HOUSTON	TX	77040-5383
DENTON COUNTY FRESH WATER SUPPLY DIST NO 7 C/O CLAY E CRAWFORD	19 BRIAR HOLLOW LN STE 245	HOUSTON	TX	77027-2858
A-S 114 LANTANA TC PHASE 2 LP	8827 W SAM HOUSTON PKWY N STE 200	HOUSTON	TX	77040-5383

Exhibit 3

Denton Record-Chronicle
3555 Duchess Drive
(940) 387-7755

I, Ayesha Carletta M Cochran-Worthen, of lawful age, being duly sworn upon oath depose and say that I am an agent of Column Software, PBC, duly appointed and authorized agent of the Publisher of Denton Record-Chronicle, a publication that is a "legal newspaper" as that phrase is defined for the city of Denton, for the County of Denton, in the state of Texas, that this affidavit is Page 1 of 1 with the full text of the sworn-to notice set forth on the pages that follow, and that the attachment hereto contains the correct copy of what was published in said legal newspaper in consecutive issues on the following dates:

PUBLICATION DATES:
Dec. 16, 2023

Notice ID: 3jnTTXUFMJNMdxJM9PIx
Notice Name: 12162023 Andy's CUP & SP Notice

PUBLICATION FEE: \$61.76

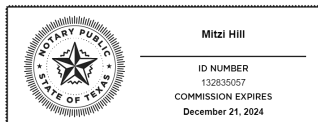
I declare under penalty of perjury that the foregoing is true and correct.

Ayesha Carletta M Cochran-Worthen

Agent

VERIFICATION

State of Texas
County of Ellis



Signed or attested before me on this: 12/19/2023

Mitzzi Hill

Notary Public
Notarized online using audio-video communication

**TOWN OF BARTONVILLE
PUBLIC NOTICE**

The Planning and Zoning Commission for the Town of Bartonville, Texas will conduct a public hearing at 7:00 p.m. on January 3, 2024, at Bartonville Town Hall, 1941 E. Jeter Road, Bartonville, Texas, to hear public comment and consider recommendations to the Town Council regarding an Ordinance amending the Town of Bartonville Code of Ordinances, Chapter 14, Exhibit "A," Article 14.02, Ordinance 361-05, Zoning Regulations for the Town of Bartonville, to establish a Conditional Use Permit for a restaurant with drive-through on a 1.34-acre tract or parcel of land situated in Lot 3, Block A, of DCFWSD #7 Retail Center Addition, in the Town of Bartonville, Denton County, Texas. The subject property is located west of the intersection of Justin Road and E Jeter Road, in Bartonville, Texas. The applicant is Jennifer Gansert of Kimley-Horn and Associates, Inc. The Town of Bartonville file number for this application is CUP-2023-006; and a Resolution approving a Site Plan for the same property described above, containing a restaurant with a drive-through and other site appurtenances. The Town of Bartonville file number for this application is SP-2023-003. The Town Council will conduct a second Public Hearing at 7:00 p.m. on January 16, 2024, at Bartonville Town Hall, 1941 E. Jeter Road, Bartonville, Texas, to hear public comment and consider the proposed Conditional Use Permit and Site Plan, and recommendations of the Planning and Zoning Commission. All interested parties are encouraged to attend.
dre: 12/16/2023