Jones Gillam Renz Architects

Address
730 N 9th St.
Salina, KS 67401

1881 Main St., Suite 301
Kansas City, MO 64108

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(785) 827-0386

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ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

JONES GILLAM RENZ DOCUMENT JGR 710

PROJECT: **The Reserves at Cobalt Circle**
New Development
Brownsville, TN

OWNER: **OPG Cobalt Circle Partners, LLC**
Dan Maximuk
250 N. Santa Fe Ave, Suite A
Salina, KS 67401

CONTRACTOR: **MCP Group**
3501 SW Fairlawn Rd.
Topeka, KS 66614

Report No. **Two (2)**

Date **October 15, 2025**

Architect's Proj No. **24-3446**

Contract For: General Construction
Mechanical, Electrical

The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect.

DESCRIPTION:

Contractor to make adjustments as needed and required per the modifications as indicated on attached drawings and in the below descriptions:

1. Civil Revisions – reference attached Narrative & revised Sheets: Grading Plan, Grading Plan-Spot Grading Sheet 01 of 02, and Grading Plan-Spot Grading Sheet 02 of 02
2. Revised Sheet E6.3 – dwelling unit panel scheduled have been revised.

Attachments:

1. Civil ASI #2 Narrative
2. Revised Civil Sheets:
   a. Grading Plan
   b. Grading Plan-Spot Grading Sheet 01 of 02
   c. Grading Plan-Spot Grading Sheet 02 of 02
3. Revised Electrical Sheet E6.3

Issued by: Jones Gillam Renz Architects PO Box 2928, Salina, KS 67402
Maggie Gillam, Project Manager 785-827-0386 mgillam@jgrarchitects.com

Copies to:

MCP Group – Mike Maas, Cliff Holland, Tim Johnson, Kelli Meiers
OPG - Dan Maximuk, Amanda Klaus, Austin Kack
JGR Team - Maggie Gillam (JGR), Ryan Lies (LST), Cindy Senecal (McClure), Wesley Wooldridge (Renaissance), Michael Boerst (Heartland Energy)

Architect's Supplemental Instructions (ASI)

ASI No. 2

Date of Issuance: 10/15/2025

Project: The Reserves at Cobalt Circle

To: (Contractor) MCP Build, Mike Maas

Engineer: : Renaissance Group
9700 Village Circle, Suite 100
Lakeland, TN 38002

The Work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in the Contract Sum or Contract Time. Prior to proceeding in accordance with these instructions, indicate your acceptance of these instructions for minor change to the Work as consistent with the Contract Documents and return a copy to the Architect

Description: Contractor had questions about spot grades shown and matching contours.

RGI added and modified numerous spot grades in the areas in question as well as modified some of the contouring in the parking lot.

RGI added three (3) sidewalk drains to help facilitate water away from the buildings.

RGI added drainage structure 13B back to the drainage system between Bldg. B and Bldg. C

RGI clarified spot grades around the playground.

Attachments:
Grading Plan, Spot Grading Plan 1 of 2, Spot Grading Plan 2 of 2

Authorized:

Renaissance Group
Site Civil Engineer
9700 Village Circle, Suite 100
Lakeland, TN 38002

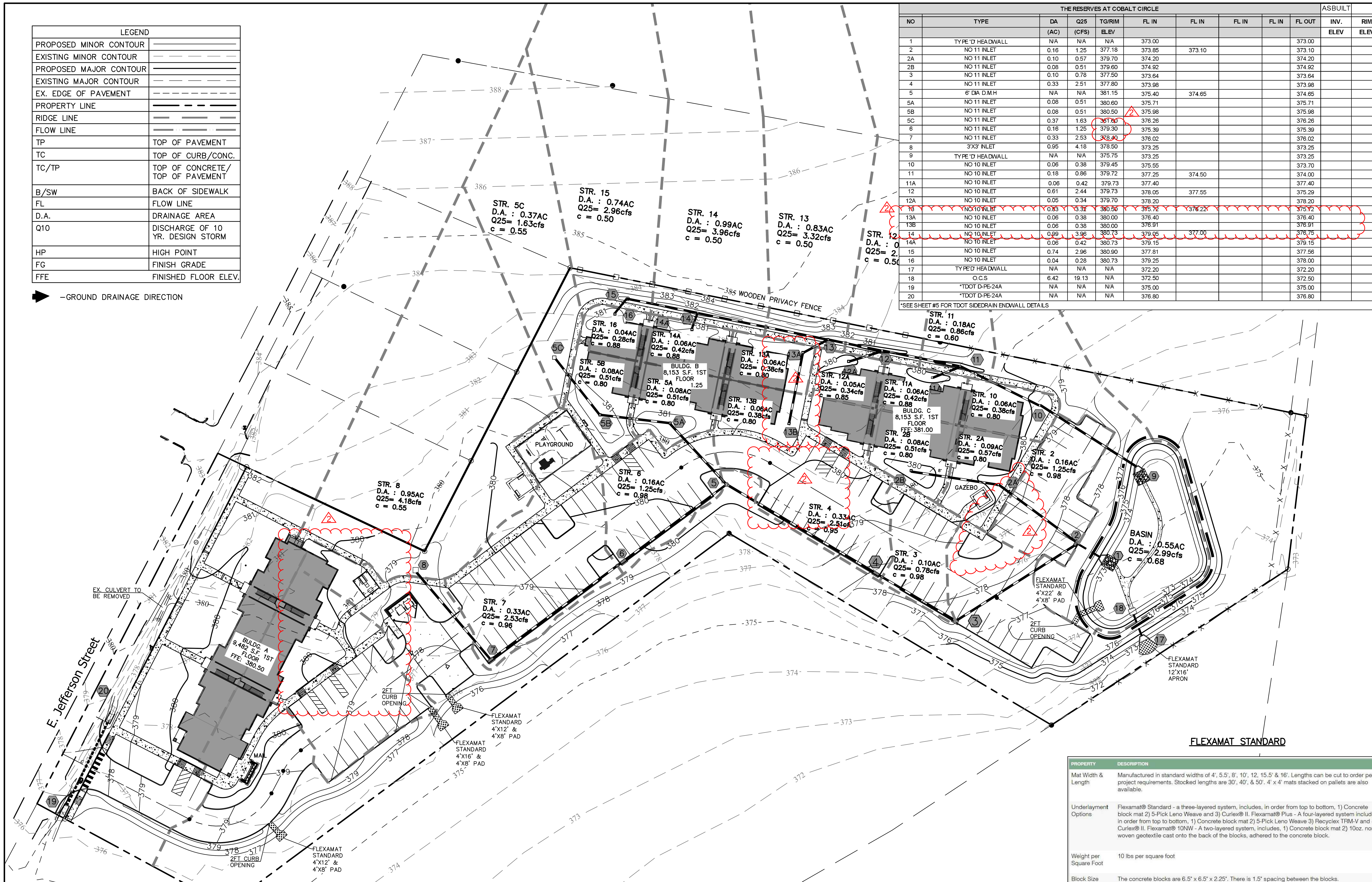
CONTRACTOR

By _____ **By** _____

Date 10/15/2025 **Date** _____

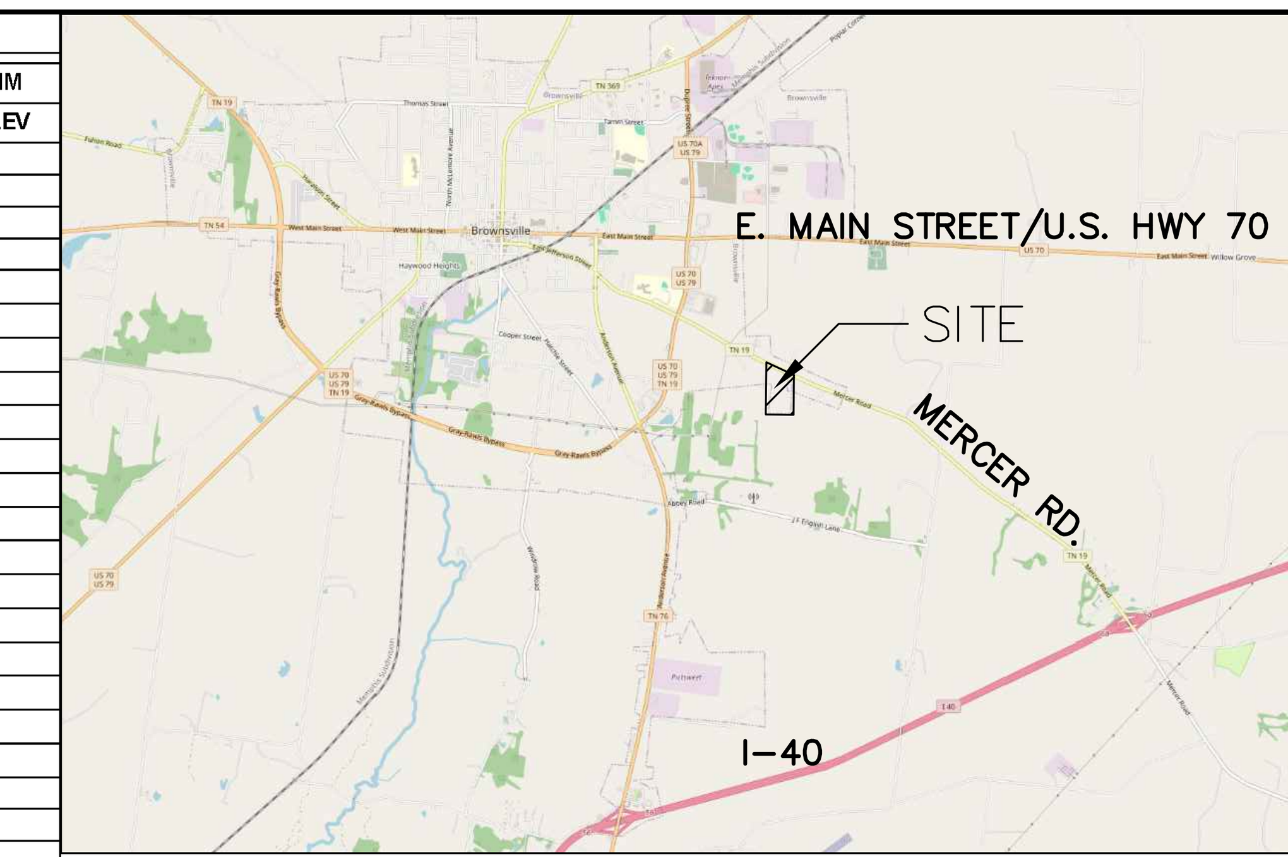
LEGEND	
PROPOSED MINOR CONTOUR	
EXISTING MINOR CONTOUR	
PROPOSED MAJOR CONTOUR	
EXISTING MAJOR CONTOUR	
EX. EDGE OF PAVEMENT	
PROPERTY LINE	
RIDGE LINE	
FLOW LINE	
TP	TOP OF PAVEMENT
TC	TOP OF CURB/CONC.
TC/TP	TOP OF CONCRETE/ TOP OF PAVEMENT
B/SW	BACK OF SIDEWALK
FL	FLOW LINE
D.A.	DRAINAGE AREA
Q10	DISCHARGE OF 10 YR. DESIGN STORM
HP	HIGH POINT
FG	FINISH GRADE
FFE	FINISHED FLOOR ELEV.

—GROUND DRAINAGE DIRECTION



THE RESERVES AT COBALT CIRCLE										ASBUILT	
NO	TYPE	DA	Q25	TG/RIM	FL IN	FL IN	FL IN	FL IN	FL OUT	INV.	RIM
		(AC)	(CFS)	ELEV						ELEV	ELEV
1	TYPE 'D' HEADWALL	N/A	N/A	N/A	373.00				373.00		
2	NO 11 INLET	0.16	1.25	377.18	373.85	373.10			373.10		
2A	NO 11 INLET	0.10	0.57	379.70	374.20				374.20		
2B	NO 11 INLET	0.08	0.51	379.60	374.92				374.92		
3	NO 11 INLET	0.10	0.78	377.50	373.64				373.64		
4	NO 11 INLET	0.33	2.51	377.80	373.98				373.98		
5	6' DIA D.M.H	N/A	N/A	381.15	375.40	374.65			374.65		
5A	NO 11 INLET	0.08	0.51	380.60	375.71				375.71		
5B	NO 11 INLET	0.08	0.51	380.50	375.98				375.98		
5C	NO 11 INLET	0.37	1.63	381.60	376.26				376.26		
6	NO 11 INLET	0.16	1.25	379.30	375.39				375.39		
7	NO 11 INLET	0.33	2.53	378.40	376.02				376.02		
8	3'X3' INLET	0.95	4.18	378.50	373.25				373.25		
9	TYPE 'D' HEADWALL	N/A	N/A	375.75	373.25				373.25		
10	NO 10 INLET	0.06	0.38	379.45	375.55				373.70		
11	NO 10 INLET	0.18	0.86	379.72	377.25	374.50			374.00		
11A	NO 10 INLET	0.06	0.42	379.73	377.40				377.40		
12	NO 10 INLET	0.61	2.44	379.73	378.05	377.55			375.29		
12A	NO 10 INLET	0.05	0.34	379.70	378.20				378.20		
13	NO 10 INLET	0.83	3.32	380.50	375.72	376.22			375.72		
13A	NO 10 INLET	0.06	0.38	380.00	376.40				376.40		
13B	NO 10 INLET	0.06	0.38	380.00	376.91				376.91		
14	NO 10 INLET	0.99	3.96	380.73	379.05	377.00			376.75		
14A	NO 10 INLET	0.06	0.42	380.73	379.15				379.15		
15	NO 10 INLET	0.74	2.96	380.90	377.81				377.56		
16	NO 10 INLET	0.04	0.28	380.73	379.25				378.00		
17	TYPE'D' HEADWALL	N/A	N/A	N/A	372.20				372.20		
18	O.C.S	6.42	19.13	N/A	372.50				372.50		
19	*TDOT D-PE-24A	N/A	N/A	N/A	375.00				375.00		
20	*TDOT D-PE-24A	N/A	N/A	N/A	376.80				376.80		

*SEE SHEET #5 FOR TDOT SIDEDRAIN ENDWALL DETAILS



GENERAL NOTES (CITY OF BROWNSVILLE)

1. A MINIMUM OF 24-HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF BROWNSVILLE PUBLIC WORKS OFFICE AT (731) 772-9978.
2. ALL NEWLY CUT OR FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SODDED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
3. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF THE SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE PROJECT. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
4. ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) WITHIN 3% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES OF COMPACTED THICKNESS.
5. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF BROWNSVILLE STANDARD CONSTRUCTION SPECIFICATIONS.
6. PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
7. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF BROWNSVILLE PUBLIC WORKS OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
8. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
9. LOT DRAINAGE: FINISH GRADE SHALL BE SLOPED AWAY FROM THE FOUNDATION FOR DRAINAGE. THE FINISH GRADE MUST BEGIN AT LEAST 12-INCHES BELOW THE TOP OF THE FOUNDATION WALL OR THE GRADE OF THE CONCRETE SLAB AT THE INTERIOR IN THE CASE OF AN INTEGRAL SLAB AND FOUNDATION. THE MINIMUM GRADE AWAY FROM THE FOUNDATION SHALL BE TWO PERCENT (2%) IN ALL DIRECTIONS. THE DRIVEWAY SHALL BE SLOPED DOWN AT TWO PERCENT (2%) FOR AT LEAST EIGHT FEET FROM THE STRUCTURE.

ACREAGE SUMMARY	
EX. IMPERVIOUS SURFACE	0.12 ACRES
EX. PERVIOUS SURFACE	5.00 ACRES
IMPERVIOUS SURFACE AT COMPLETION	2.13 ACRES
PERVIOUS/SEEDED AREA AT COMPLETION	2.99 ACRES
TOTAL AREA	5.12 ACRES

FLEXAMAT STANDARD

PROPERTY	DESCRIPTION
Mat Width & Length	Manufactured in standard widths of 4', 5.5', 8', 10', 12, 15.5' & 16'. Lengths can be cut to order per project requirements. Stocked lengths are 30', 40', & 50'. 4' x 4' mats stacked on pallets are also available.
Underlayment Options	Flexamat® Standard - a three-layered system, includes, in order from top to bottom, 1) Concrete block mat 2) 5-Pick Leno Weave and 3) Curlex® II. Flexamat® Plus - A four-layered system includes, in order from top to bottom, 1) Concrete block mat 2) 5-Pick Leno Weave 3) Recyclex TRM-V and 4) Curlex® II. Flexamat® 10NW - A two-layered system, includes, 1) Concrete block mat 2) 10oz. non-woven geotextile cast onto the back of the blocks, adhered to the concrete block.
Weight per Square Foot	10 lbs per square foot
Block Size	The concrete blocks are 6.5" x 6.5" x 2.25". There is 1.5" spacing between the blocks.
Limiting Shear	24+ PSF (non vegetated)
Limiting Velocity	30+ft./second (non vegetated)

THE RESERVE AT COBALT CIRCLE													ASBUILT								
FROM	INV.	TO	INV.	PIPE	MATERIAL	LEN	SLOPE	D.A.	DESIGN	CAPACITY	VEL	VELOCITY	FROM	INV.	TO	INV.	PIPE	LENGTH	SLOPE	CAPACITY
	ELEV		ELEV	DIA (IN)		(FT)	(%)	(AC)	Q25	QC (CFS)	(FPS)	FULL (FPS)		ELEV		ELEV	DIA (IN)	(FT.)	(%)	Q (CFS)
1	373.00	2	373.10	24	ADS HP STORM	20	0.50	2.73	14.98	17.33	6.21	5.52								
2	373.10	3	373.64	24	ADS HP STORM	109	0.50	2.4	13.90	17.25	6.11	5.49								
3	373.64	4	373.98	24	ADS HP STORM	68	0.50	2.3	13.12	17.33	6.06	5.52								
4	373.98	5	374.65	24	ADS HP STORM	132	0.51	1.97	10.61	17.46	5.82	5.56								
5	374.90	6	375.39	18	ADS HP STORM	97	0.51	1.44	7.96	8.09	5.21	4.58								
6	375.39	7	376.02	18	ADS HP STORM	126	0.50	1.28	6.71	8.05	5.10	4.55								
7	376.30	8	376.75	15	ADS HP STORM	89	0.51	0.95	4.18	4.98	4.54	4.05								
2	373.85	2A	374.20	15	ADS N-12	71	0.50	0.17	1.08	4.93	2.85	4.02								
2A	374.20	2B	374.92	15	ADS N-12	72	1.00	0.08	0.51	7.00	3.29	5.70								
5	375.40	5A	375.71	15	ADS N-12	63	0.50	0.53	2.65	4.93	4.08	4.02								
5A	375.71	5B	375.98	15	ADS N-12	54	0.50	0.45	2.14	4.95	3.87	4.03								
5B	375.98	5C	376.26	15	ADS N-12	55	0.51	0.37	1.63	4.99	3.62	4.07								
9	373.25	10	373.70	24	ADS N-12	89	0.51	3.73	16.14	17.43	6.30	5.55								
10	373.70	11	374.05	24	ADS N-12	69	0.51	3.67	15.76	17.45	6.29	5.56								
11	374.55	12	375.29	24	ADS N-12	61	1.21	3.43	14.48	26.99	8.73	8.59								
12	375.29	13	375.72	18	ADS N-12	42	1.02	2.77	11.70	11.51	7.43	6.52								
13	375.72	14	376.75	18	ADS N-12	103	1.00	1.82	7.62	11.38	6.90	6.44								
14	377.00	15	377.56	15	ADS N-12	56	1.00	0.77	3.24	7.00	5.59	5.70								
15	377.81	16	378.00	12	ADS N-12	15	1.27	0.04	0.28	4.34	3.04	5.53								
11	377.25	11A	377.40	12	ADS N-12	23	0.65	0.06	0.42	3.12	2.74	3.97								
12	378.05	12A	378.20	12	ADS N-12	26	0.58	0.05	0.34	2.93	2.46	3.73								
13	376.22	13A	376.40	12	ADS N-12	21	0.86	0.12	0.76	3.57	3.23	4.55								
13A	376.40	13B	376.91	12	ADS N-12	56	0.91	0.06	0.38	3.68	2.71	4.69								
14	379.05	14A	379.15	6	ADS N-12	13	0.77	0.06	0.42	0.53	1.57	2.72								
*19	375.00	*20	376.80	24	R.C.P	76	2.37	2.05	19.13	37.72	13.27	12.01								

* denotes 18'X28' Arch end pipe

RGI JOB NO. 24158

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

SITE BENCHMARK

RIM OF EXISTING S.M.H. LOCATED IN THE CENTER OF EAST JEFFERSON STREET
ELEVATION: 381.76

FEMA FLOOD NOTE:

THE PROPETY SHOWN HEREON DOES NOT GRAPHICALLY FALL WITHIN A SPECIAL DESIGNATED FLOODZONE PER FEMA FIRM MAP PANEL 47157C0185F, DATED 09/27/2007
ELEVATION: 381.76

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
2	ASI #2	10/25

J. Wesley Wooldridge — Registered Engineer — No. 104878 — State of Tennessee — Agriculture Commerce

THE RESERVES AT COBALT CIRCLE
BROWNSVILLE, TN.

DEVELOPER:
ENGINEER: RENAISSANCE GROUP, INC.

SHEET 01 OF 06

DIVISION OF ENGINEERING

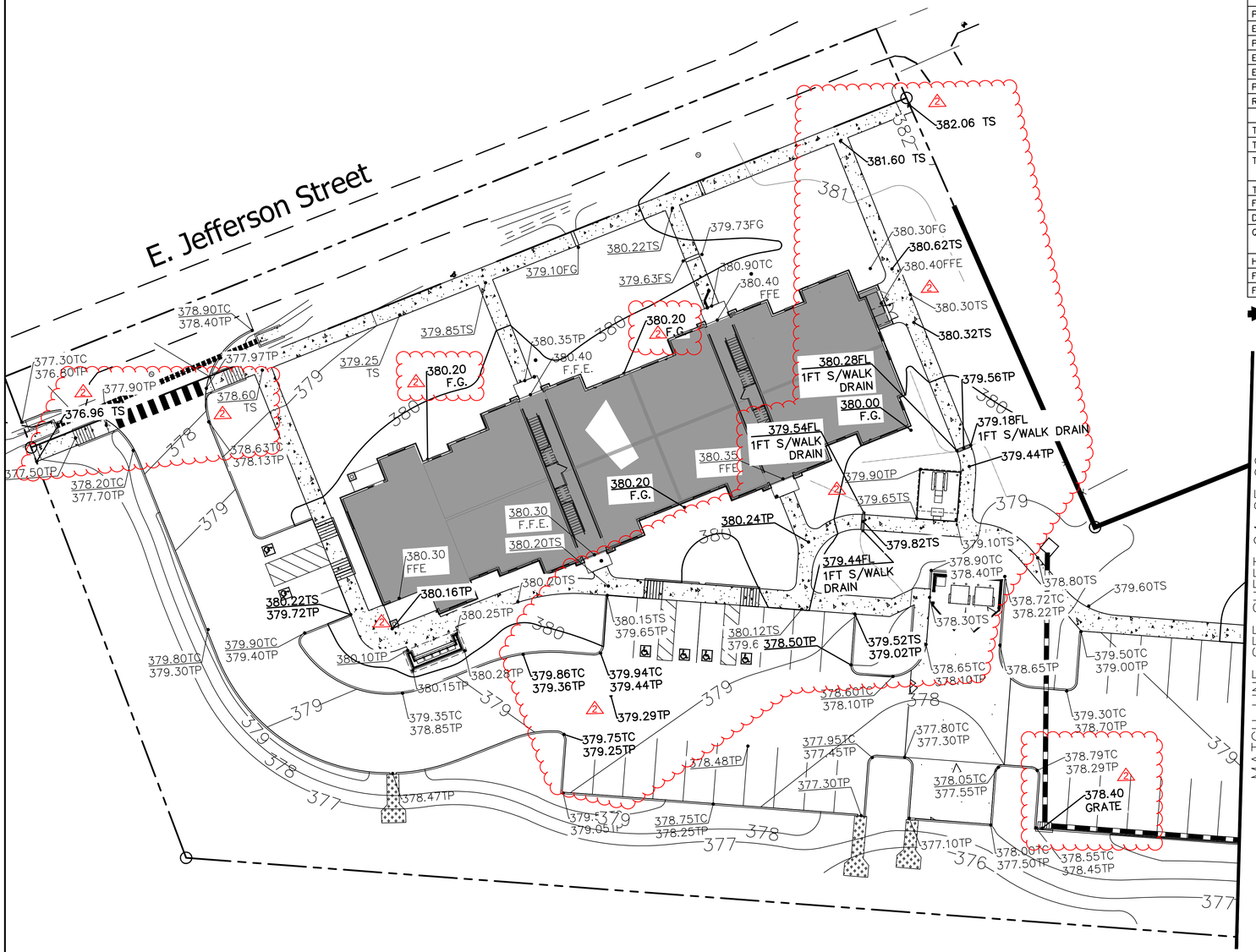
GRADING & DRAINAGE PLAN

LOCATION: 1616 EAST JEFFERSON STREET
BROWNSVILLE, TN.

SURVEY: SEAS DATE: 10/24 BOOK: ______

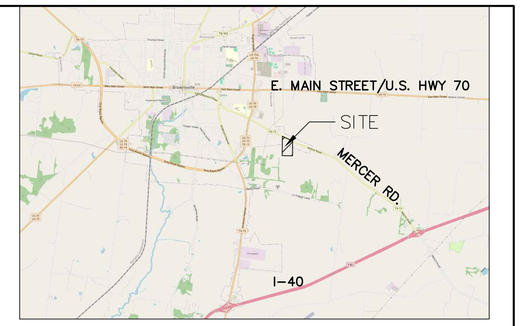
DESIGN: ______ DATE: 01/25 CKD: ______ DATE: 01/25 SCALE: 1" = 40'

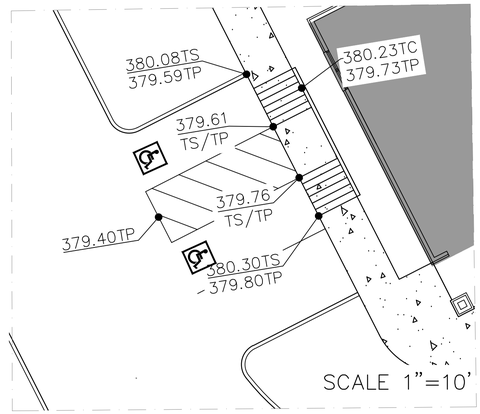
DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE

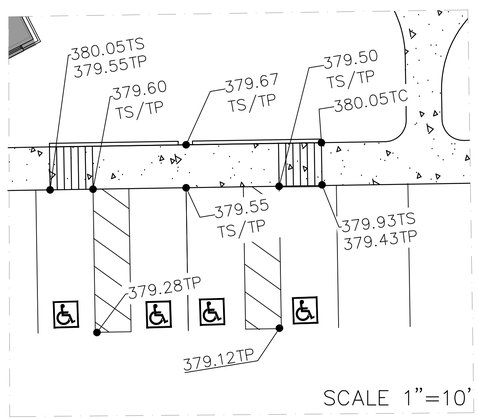


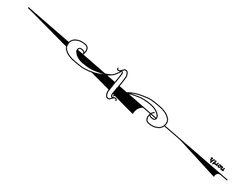
LEGEND	
PROPOSED MINOR CONTOUR	
EXISTING MINOR CONTOUR	
PROPOSED MAJOR CONTOUR	
EXISTING MAJOR CONTOUR	
EX. EDGE OF PAVEMENT	
PROPERTY LINE	
RIDGE LINE	
TP	TOP OF PAVEMENT
TC	TOP OF CURB/CONC.
TC/TP	TOP OF CONCRETE/ TOP OF PAVEMENT
TS	TOP OF SIDEWALK
FL	FLOW LINE
D.A.	DRAINAGE AREA
Q10	DISCHARGE OF 10 YR. DESIGN STORM
HP	HIGH POINT
FG	FINISH GRADE
FFE	FINISHED FLOOR ELEV.

—GROUND DRAINAGE DIRECTION









GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)
1 inch = 20 ft.

SITE BENCHMARK
MAG-NAIL AT SOUTHEAST CORNER OF CENTRAL AVE AND MEDA ST INTERSECTION.
ELEVATION: 304.38

CITY BENCHMARK
CITY BM#102 – CITY MONUMENT IS LOCATED AT CENTRAL AVE & EAST PKWY S ON THE NORTHWEST CORNER AT BACK OF SIDEWALK AT NORTHEAST CORNER OF CONCRETE BASE OF TRAFFIC SIGNAL POLE.
ELEV.: 292.36 (NAVD '88 DATUM)

FLOOD NOTE:
THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA PER FLOOD INSURANCE RATE MAP, MAP No. 47157C 0290 F. COMMUNITY PANEL No. 470177 0290 F, EFFECTIVE DATE: SEPTEMBER 28, 2007. NEAREST BFE: 233.0

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
2	ASI #2	10/25

I Wesley Woodard REGISTERED LANDSCAPE ARCHITECT No. 104679 STATE OF TENNESSEE

THE RESERVES AT COBALT CIRCLE
BROWNSVILLE, TN.
DEVELOPER:
ENGINEER: RENAISSANCE GROUP, INC.

SHEET 03 OF 06

DIVISION OF ENGINEERING

SPOT GRADING PLAN 1 OF 2

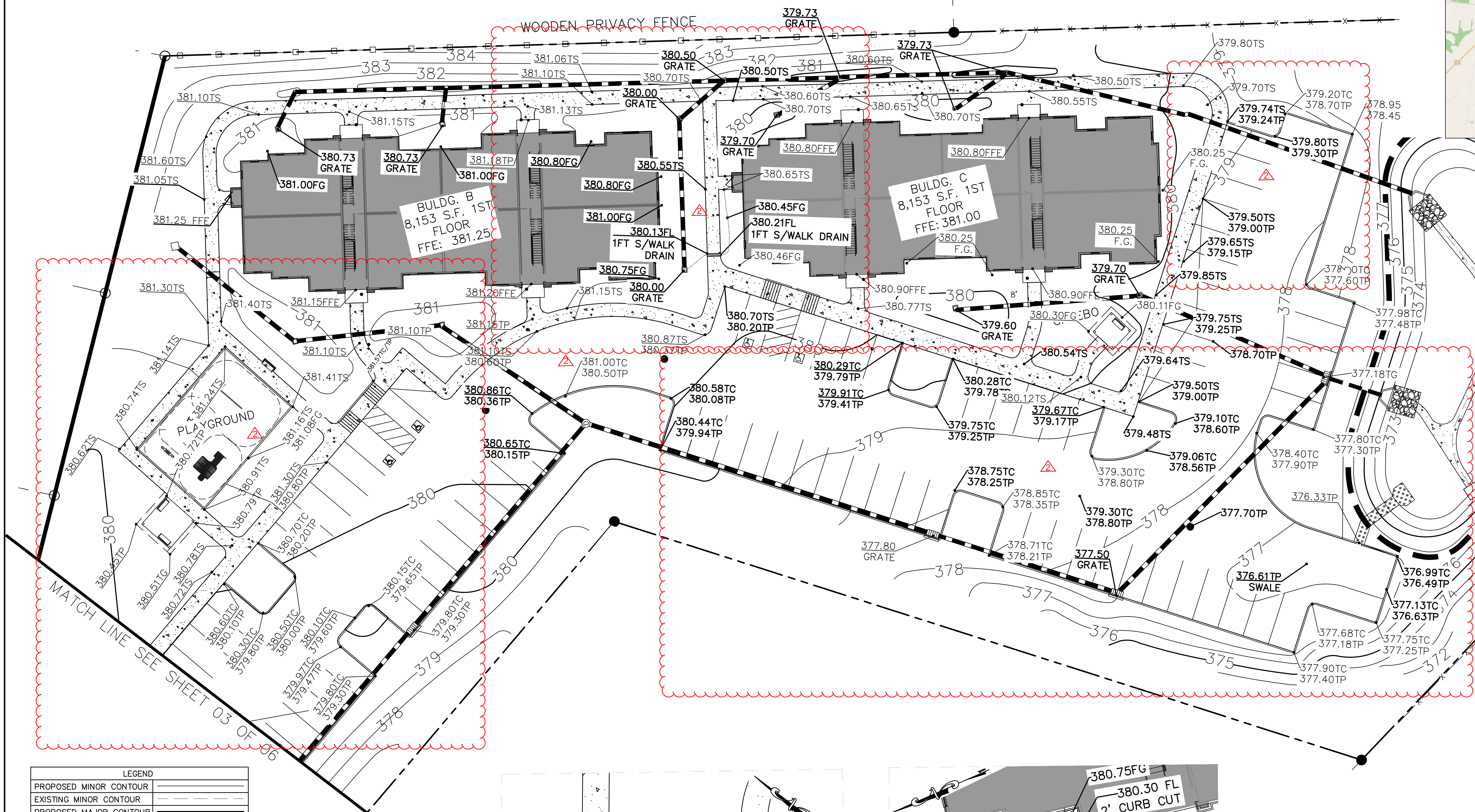
LOCATION: 1616 EAST JEFFERSON STREET
BROWNSVILLE, TN.

SURVEY: SEAS DATE: 10/24 BOOK: _____

DESIGN: _____ DATE: 01/25 CKD: _____ DATE: 01/25 SCALE: 1" = 40'

DEPUTY CITY ENGINEER _____ DATE _____ CITY ENGINEER _____ DATE _____

RGI JOB NO. 24158



LEGEND	
PROPOSED MINOR CONTOUR	
EXISTING MINOR CONTOUR	
PROPOSED MAJOR CONTOUR	
EXISTING MAJOR CONTOUR	
EX. EDGE OF PAVEMENT	
PROPERTY LINE	
RIDGE LINE	
TP	TOP OF PAVEMENT
TC	TOP OF CURB/CONC.
TC/TP	TOP OF CONCRETE/ TOP OF PAVEMENT
TS	TOP OF SIDEWALK
FL	FLOW LINE
D.A.	DRAINAGE AREA
Q10	DISCHARGE OF 10 YR. DESIGN STORM
HP	HIGH POINT
FG	FINISH GRADE
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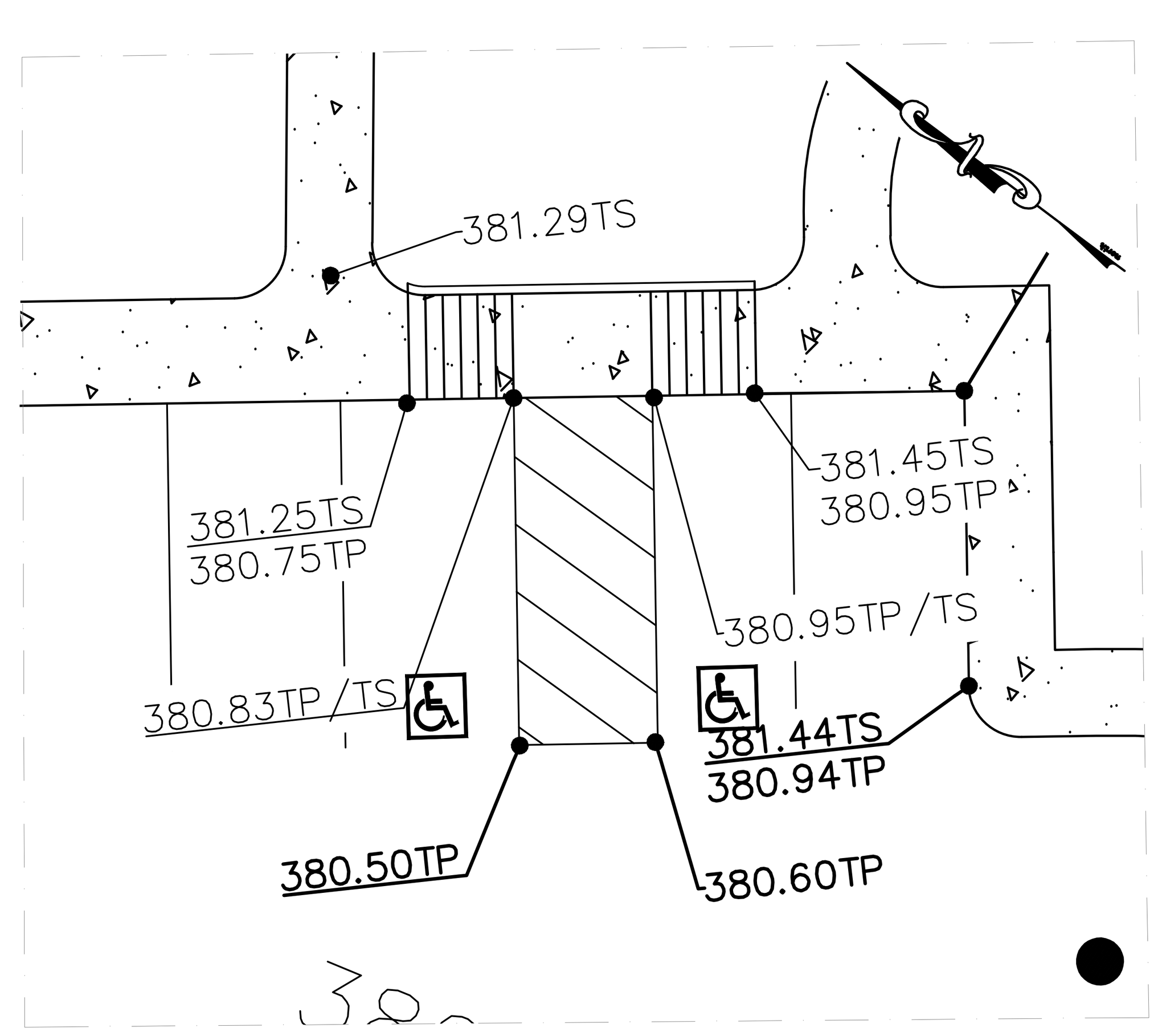
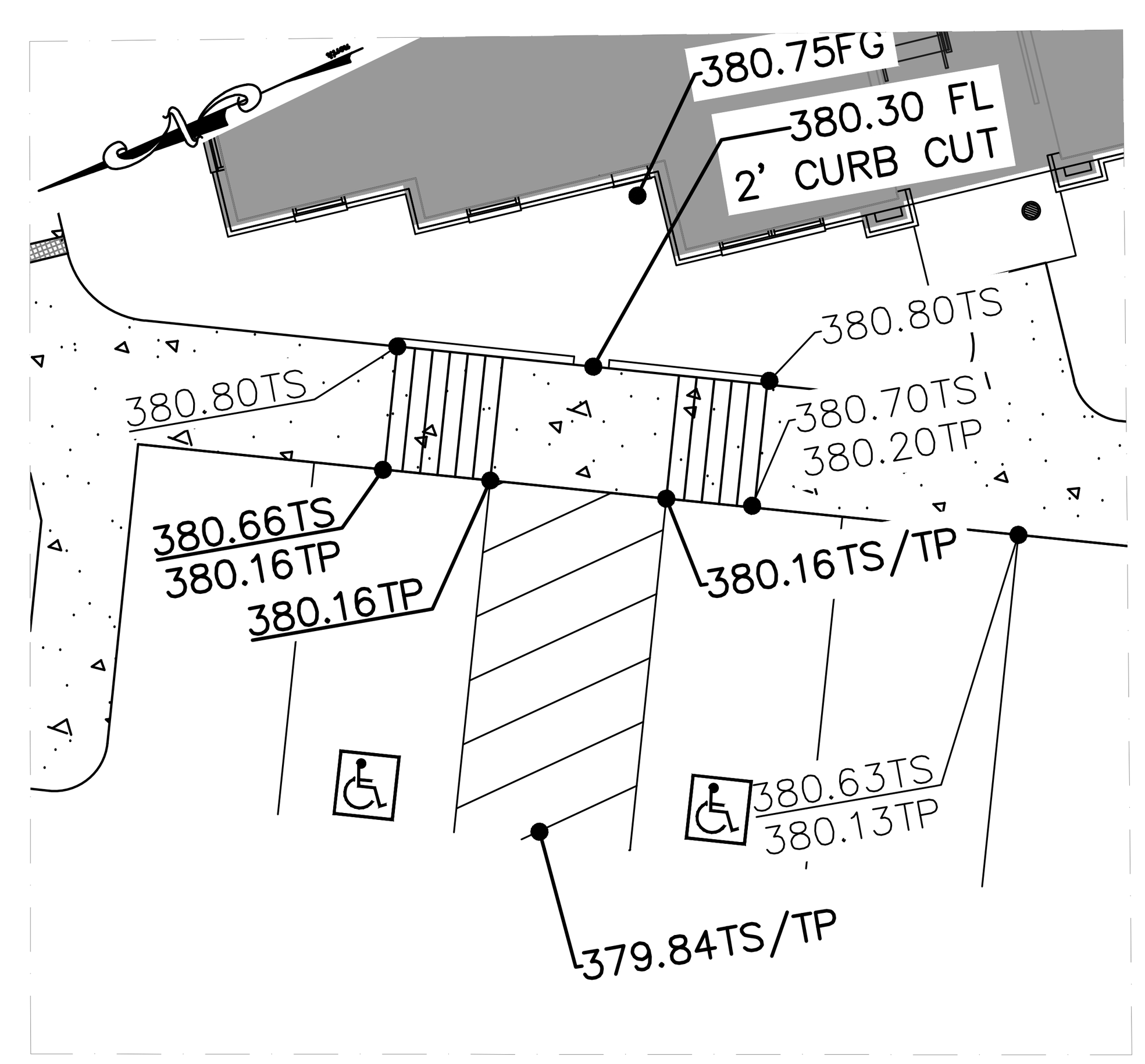
—GROUND DRAINAGE DIRECTION





GRAPHIC SCALE

(IN FEET)
1 inch = 20 ft.

REVISION		
ITEM NO.	DESCRIPTION OF CHANGE	APPROVAL DATE
2	ASI #2	10/25

J. Wesley Wooldridge, Registered Engineer, Agriculture, No. 104876, State of Tennessee

THE RESERVES AT COBALT CIRCLE
BROWNSVILLE, TN.

DEVELOPER:
ENGINEER: RENAISSANCE GROUP, INC.

SHEET 04 OF 06

DIVISION OF ENGINEERING

SPOT GRADING PLAN 2 OF 2

LOCATION: 1616 EAST JEFFERSON STREET
BROWNSVILLE, TN.

SURVEY: SEAS DATE: 10/24 BOOK:
DESIGN: JWW DATE: 01/25 CKD: JWW DATE: 01/25 SCALE: 1" = 40'

DEPUTY CITY ENGINEER DATE CITY ENGINEER DATE

RGI JOB NO. 24158

LST Consulting Engineers, PA
MANHATTAN
4809 Vue Du Lac Place, Suite 201
Manhattan, KS 66503
785.587.8042
WICHITA
125 S. Washington, Suite 150
Wichita, KS 67202
316.265.0696
www.LSTengineers.com
mail@LSTengineers.com

Project 24072 — 05/09/2025

Designation: 1B

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Flush
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 22.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
1B:1	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG	5 A	0 A						30	1/2"C,2#10,#10G	Electric Water Heating	1B:2
1B:3	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG				9 A	0 A						1B:4
1B:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	AG	4 A	4 1 A					G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	1B:6
1B:7	Refrigerator	1/2"C,1#12,#12N,#12G	20	AG				2 A	4 1 A						1B:8
1B:9	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	AG	2 A	4 1 A					G	50	3/4"C,2#6,#6N,#10G	Range	1B:10
1B:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	A				9 A	4 1 A						1B:12
1B:13	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	A	2 A	0 A						20	1/2"C,2#12,#12G	VTAC-12	1B:14
1B:15	Bathroom	1/2"C,1#12,#12N,#12G	20					3 A	0 A						1B:16
1B:17	Bedroom	1/2"C,1#12,#12N,#12G	20	A	6 A	2 A					AG	20	1/2"C,1#12,#12N,#12G	Clothes Washer Receptacle	1B:18
1B:19	Spare	--	20					0 A	0 A			20	--	Spare	1B:20
1B:21	Spare	--	20		0 A	--						--	--	Surge Protection	1B:22
1B:23	Spare	--	20					0 A	--			--	--	Surge Protection	1B:24

Designation: HA

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 100
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 22.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
HA:1	East Breezeway Lights	1/2"C,1#12,#12N,#12G	20		310...	360...						20	1/2"C,1#12,#12N,#12G	FACP	HA:2
HA:3	West Breezeway Lights	1/2"C,1#12,#12N,#12G	20					310...	360...			20	1/2"C,1#12,#12N,#12G	Fire Sprinkler Flow Switches	HA:4
HA:5	Exterior Lighitng	3/4"C,1#10,#10N,#10G	20		340...	360...						20	1/2"C,1#12,#12N,#12G	Heat Trace Circuit #1	HA:6
HA:7	Parking Lot Pole Mounted Lights	3/4"C,1#10,#10N,#10G	20					291...	0 VA			20	1/2"C,1#12,#12N,#12G	Heat Trace Circuit #2	HA:8
HA:9	Exterior Receptacles/ Fire A113 Lighting	1/2"C,1#12,#12N,#12G	20		607...	180...						20	1/2"C,1#12,#12N,#12G	Fire Sprinkler Air Compressor	HA:10
HA:11	Timeclock	1/2"C,1#12,#12N,#12G	20					360...	150...			20	1/2"C,2#12,#12G	Electric Wall Heater 'EWH-1'	HA:12
HA:13	Telecomm	1/2"C,1#12,#12N,#12G	20		360...	150...									HA:14
HA:15	Future Radon Fans	1/2"C,1#12,#12N,#12G	20					720...	211...			30	1/2"C,2#10,#10G	Domestic Water Booster Pump	HA:16
HA:17	Monument Sign Lights	3/4"C,1#10,#10N,#10G	20		222...	211...									HA:18
HA:19	Spare	--	20					0 VA	--		--	--	--	Space	HA:20
HA:21	Spare	--	20		0 VA	--					--	--	--	Surge Protection	HA:22
HA:23	Spare	--	20					0 VA	--		--	--	--	Surge Protection	HA:24
					Connected Load:			6352 VA				Connected Load:			5654 VA
					Connected Amps:			60 A				Connected Amps:			54 A

Designation: 2B

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Flush
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 22.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
2B:1	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG	5 A	0 A						30	1/2"C,2#10,#10G	Electric Water Heating	2B:2
2B:3	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG				9 A	0 A						2B:4
2B:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	AG	4 A	4 1 A					G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	2B:6
2B:7	Refrigerator	1/2"C,1#12,#12N,#12G	20	AG				2 A	4 1 A						2B:8
2B:9	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	AG	2 A	4 1 A					G	50	3/4"C,2#6,#6N,#10G	Range	2B:10
2B:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	A				8 A	4 1 A						2B:12
2B:13	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	A	2 A	8 A						30	1/2"C,2#10,#10G	VTAC-18	2B:14
2B:15	Bathroom	1/2"C,1#12,#12N,#12G	20					2 A	8 A						2B:16
2B:17	Bedroom 1	1/2"C,1#12,#12N,#12G	20	A	5 A	2 A					AG	20	1/2"C,1#12,#12N,#12G	Clothes Washer Receptacle	2B:18
2B:19	Bedroom 2	1/2"C,1#12,#12N,#12G	20	A				9 A	5 A		A	20	1/2"C,1#12,#12N,#12G	Laundry/Hall Receptacles	2B:20
2B:21	Spare	--	20		0 A	--						--	--	Surge Protection	2B:22
2B:23	Spare	--	20					0 A	--			--	--	Surge Protection	2B:24

Designation: HB

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 100
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 42.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
HB:1	East Breezeway Lights	1/2"C,1#12,#12N,#12G	20		310...	360...						20	1/2"C,1#12,#12N,#12G	FACP	HB:2
HB:3	West Breezeway Lights	1/2"C,1#12,#12N,#12G	20					310...	360...			20	1/2"C,1#12,#12N,#12G	Fire Sprinkler Flow Switches	HB:4
HB:5	Exterior Lighitng	1/2"C,1#12,#12N,#12G	20		193...	360...						20	1/2"C,1#12,#12N,#12G	Heat Trace Circuit #1	HB:6
HB:7	Parking Lot Pole Mounted Lights	3/4"C,1#10,#10N,#10G	20					264...	0 VA			20	1/2"C,1#12,#12N,#12G	Heat Trace Circuit #2	HB:8
HB:9	Exterior Receptacles/ Fire A113 Lighting	1/2"C,1#12,#12N,#12G	20		787...	180...						20	1/2"C,1#12,#12N,#12G	Fire Sprinkler Air Compressor	HB:10
HB:11	Timeclock	1/2"C,1#12,#12N,#12G	20					360...	150...			20	3/4"C,2#8,#8G	Electric Wall Heater 'EWH-1'	HB:12
HB:13	Telecomm	1/2"C,1#12,#12N,#12G	20		360...	150...									HB:14
HB:15	Future Radon Fans	1/2"C,1#12,#12N,#12G	20					720...	211...			30	3/4"C,2#8,#8G	Domestic Water Booster Pump	HB:16
HB:17	Spare	--	20		0 VA	211...									HB:18
HB:19	Spare	--	20					0 VA	--		--	--	--	Space	HB:20
HB:21	Spare	--	20		0 VA	--					--	--	--	Surge Protection	HB:22
HB:23	Spare	--	20					0 VA	--		--	--	--	Surge Protection	HB:24
					Connected Load:			6163 VA				Connected Load:			5628 VA
					Connected Amps:			59 A				Connected Amps:			54 A

Designation: 3B

Installed Location:
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Flush
Enclosure: NEMA 1

Bus Amps: 150
MCB Amps: MLO
Features & Modifications: -

SCCR/AIC: 22.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
3B:1	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG	5 A	4 1 A					G	50	3/4"C,2#6,#6N,#10G	Range	3B:2
3B:3	Kitchen Receptacles	1/2"C,1#12,#12N,#12G	20	AG				9 A	4 1 A						3B:4
3B:5	Dishwasher	1/2"C,1#12,#12N,#12G	20	AG	4 A	4 1 A					G	30	1/2"C,2#10,#10N,#10G	Clothes Dryer	3B:6
3B:7	Refrigerator	1/2"C,1#12,#12N,#12G	20	AG				2 A	4 1 A						3B:8
3B:9	Hood/Microwave	1/2"C,1#12,#12N,#12G	20	AG	2 A	0 A						30	1/2"C,2#10,#10G	Electric Water Heating	3B:10
3B:11	Living Room Receptacles	1/2"C,1#12,#12N,#12G	20	A				8 A	0 A						3B:12
3B:13	Kitchen/Living/Hall Lighting	1/2"C,1#12,#12N,#12G	20	A	2 A	8 A						30	1/2"C,2#10,#10G	VTAC-18	3B:14
3B:15	Hall Bathroom	1/2"C,1#12,#12N,#12G	20					2 A	8 A						3B:16
3B:17	Bedroom 2	1/2"C,1#12,#12N,#12G	20	A	6 A	2 A					AG	20	1/2"C,1#12,#12N,#12G	Clothes Washer Receptacle	3B:18
3B:19	Bedroom 3	1/2"C,1#12,#12N,#12G	20	A				8 A	5 A	A	A	20	1/2"C,1#12,#12N,#12G	Laundry/Hall Receptacles	3B:20
3B:21	Master Bedroom	1/2"C,1#12,#12N,#12G	20	A	8 A	--						--	--	Surge Protection	3B:22
3B:23	Master Bathroom	1/2"C,1#12,#12N,#12G	20					2 A	--			--	--	Surge Protection	3B:24

Designation: C

Installed Location: A117 MECH
Voltage: 120/208 1PH 3W-1Ph-3W
Mounting: Surface
Enclosure: NEMA 1

Bus Amps: 200
MCB Amps: MLO
Features & Modifications: Provide Integral Surge Protection

SCCR/AIC: 10.0 kA
Mains FN/Note: -

Ckt	Description	Circuitry	Trip (A)	FN	A			B			FN	Trip (A)	Circuitry	Description	Ckt
C:1	Lighting - Office,Community, Kitchenette , Mech	1/2"C,1#12,#12N,#12G	20		460...	900...						20	1/2"C,1#12,#12N,#12G	Receptacle - Office A114	C:2
C:3	Lighting - Rest Rooms, Hall, Fitness, Storage	1/2"C,1#12,#12N,#12G	20					413...	720...			20	1/2"C,1#12,#12N,#12G	Receptacle - Community Room A115	C:4
C:5	Receptacle - Hall A120	1/2"C,1#12,#12N,#12G	20		720...	720...						20	1/2"C,1#12,#12N,#12G	Receptacle - Kitchenette A116	C:6
C:7	Receptacle - Fitness A121	1/2"C,1#12,#12N,#12G	20					720...	839...			20	1/2"C,1#12,#12N,#12G	Receptacle - Mech A117	C:8
C:9	Receptacle - Fitness A121	1/2"C,1#12,#12N,#12G	20		720...	360...						20	1/2"C,1#12,#12N,#12G	Receptacle - Storage A122	C:10
C:11	Receptacle - Fitness A121	1/2"C,1#12,#12N,#12G	20					720...	360...			20	1/2"C,1#12,#12N,#12G	Receptacle - Storage A122	C:12
C:13	Receptacle - Dishwasher	1/2"C,1#12,#12N,#12G	20		500...	234...						30	1/2"C,2#10,#10G	Hot Water Heater 'HWH-B'	C:14
C:15	Receptacle - Disposal	1/2"C,1#12,#12N,#12G	20					680...	234...						C:16
C:17	Receptacle - Refrigerator	1/2"C,1#12,#12N,#12G	20		180...	221...						30	1/2"C,2#10,#10G	Blower Coil 'BC-1'	C:18
C:19	Heater 'EH-1'	1/2"C,2#10,#10G	30					183...	221...						C:20
C:21					183...	156...						20	1/2"C,2#12,#12G	Heat Pump 'HP-1'	C:22
C:23	Receptacle - Office A114 (Controlled)	1/2"C,1#12,#12N,#12G	20					720...	156...						C:24
C:25	Other	1/2"C,1#12,#12N,#12G	20		360...	--						--	--	Space	C:26
C:27	Spare	--	20					0 VA	--		--	--	--	Space	C:28
C:29	Spare	--	20		0 VA	--					--	--	--	Space	C:30
C:31	Spare	--	20					0 VA	--		--	--	--	Space	C:32
C:33	Space	--	--		--	--					--	--	--	Space	C:34
C:35	Space	--	--					--	--		--	--	--	Space	C:36
C:37	Space	--	--		--	--					--	--	--	Space	C:38
C:39	Space	--	--					--	--		--	--	--	Space	C:40
C:41	Space	--	--		--	--					--	--	--	Space	C:42
					Connected Load:			12865 VA				Connected Load:			13117 VA
					Connected Amps:			124 A				Connected Amps:			126 A

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THE RESERVES AT COBALT CIRCLE
NEW APARTMENT COMPLEX
BROWNSVILLE TENNESEE

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