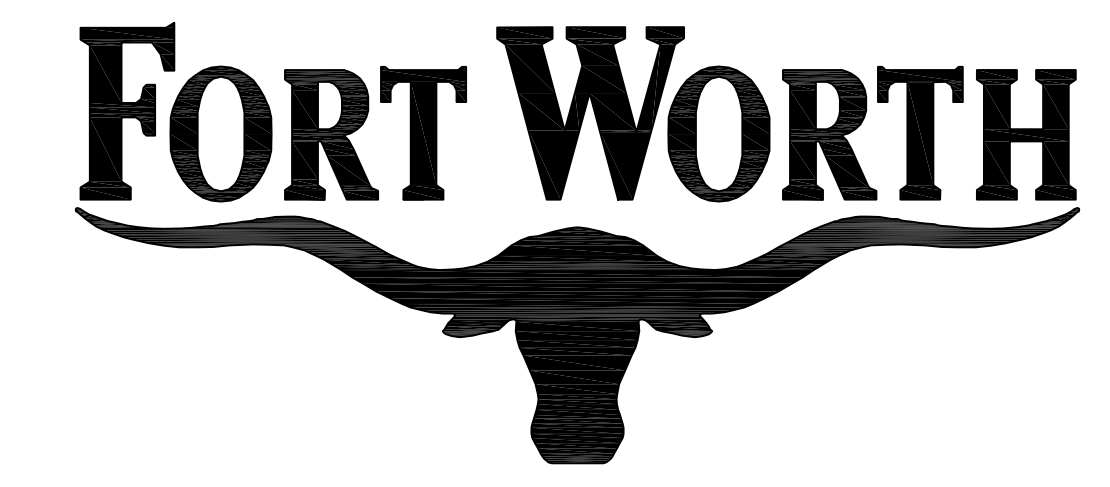


THE CITY OF FORT WORTH, TEXAS  
**TRANSPORTATION & PUBLIC WORKS**  
**CAMP BOWIE BOULEVARD**  
**MONTGOMERY STREET TO UNIVERSITY DRIVE**  
**ROADWAY AND STREETScape IMPROVEMENTS**



DOEF  
K-  
X-

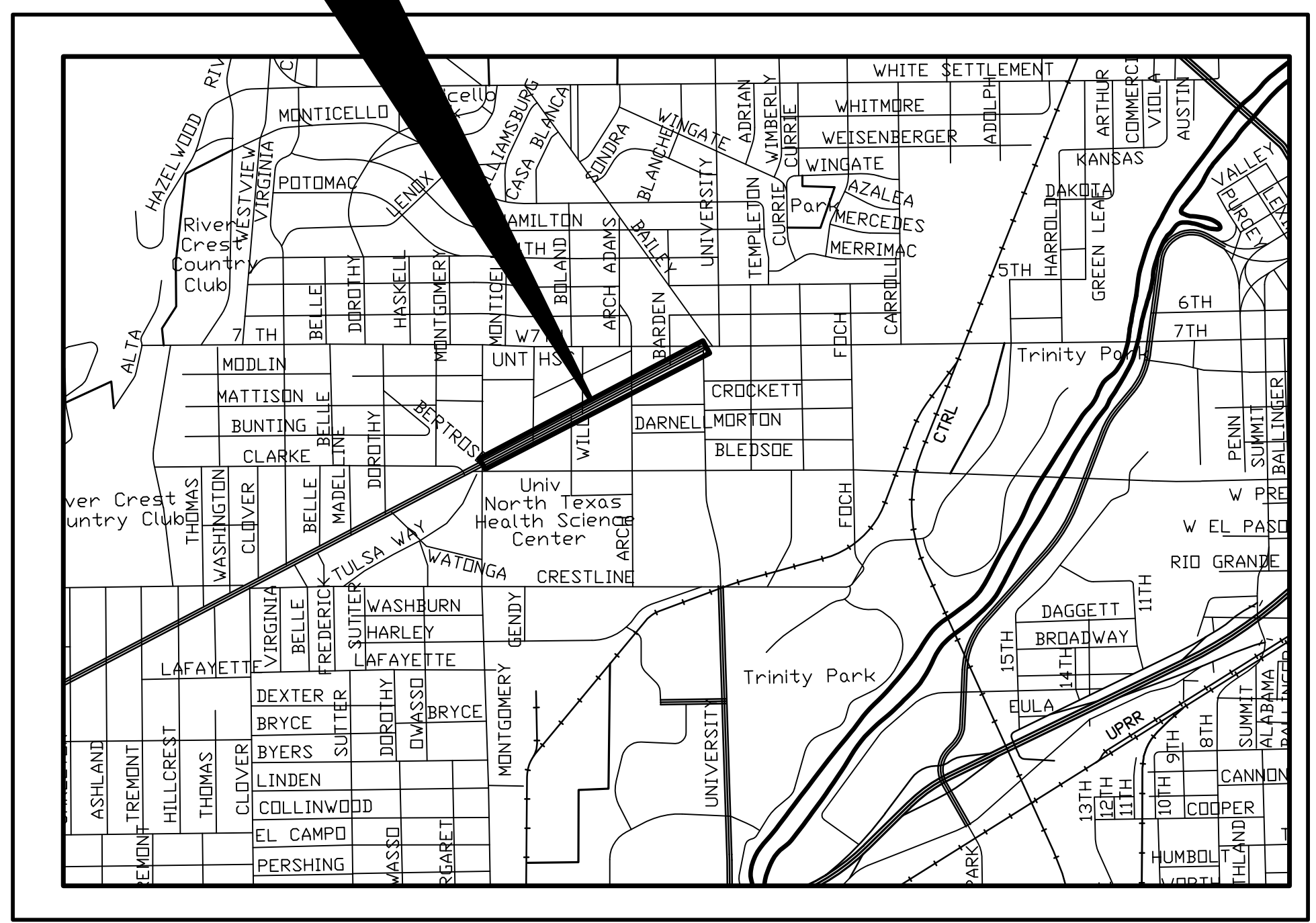
MATTIE PARKER  
MAYOR

DAVID COOKE  
CITY MANAGER

LAUREN PRIEUR, P.E.  
DIRECTOR, TRANSPORTATION AND  
PUBLIC WORKS DEPARTMENT

CHRISTOPHER P. HARDER, P.E.  
DIRECTOR, WATER DEPARTMENT

**PROJECT  
LOCATION**



LOCATION MAP  
N.T.S.

**SHEET INDEX**

SHEET NO.	DESCRIPTION
1	COVER SHEET
	<u>ROADWAY IMPROVEMENTS</u>
2 - 3	TYPICAL SECTIONS
4 - 5	PROJECT LAYOUT
6 - 9	DEMOLITION PLAN
10 - 17	PAVING PLAN AND PROFILE
	<u>LANDSCAPE IMPROVEMENTS</u>
18	OVERALL LAYOUT PLAN
19 - 22	LAYOUT PLAN
23	OVERALL PLANTING PLAN
24 - 27	PLANTING PLAN
28	OVERALL IRRIGATION PLAN
29 - 32	IRRIGATION PLAN
	<u>ILLUMINATION IMPROVEMENTS</u>
33 - 36	ILLUMINATION PLAN
37	DESIGN CHARTS
	<u>CONSTRUCTION DETAILS</u>
38 - 42	PAVING DETAILS
43 - 45	LANDSCAPE DETAILS
46 - 49	ILLUMINATION DETAILS

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 PLANS PREPARED UNDER THE DIRECT  
 SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

**Note: Scope pertaining to the Amendment is shown on the Demolition and P&P sheets herein, and shown in color.**

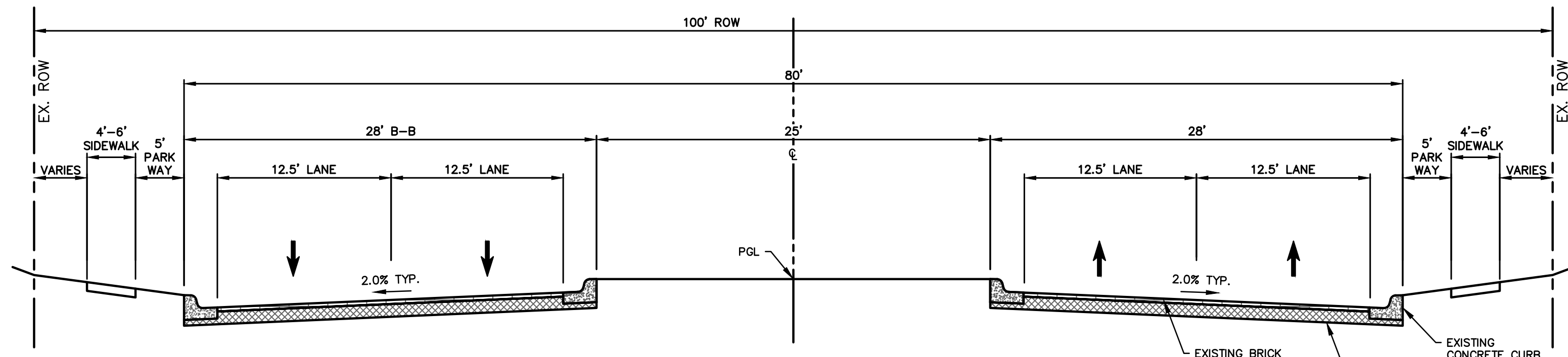
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 FILE NO. \_\_\_\_\_ K-  
 TPW PROJECT NO. \_\_\_\_\_ CXXX- -  
 WATER PROJECT NO. \_\_\_\_\_ PXXX- -  
 SEWER PROJECT NO. \_\_\_\_\_ PXXX- -  
 CITY PROJECT NO. \_\_\_\_\_ XXXXX

**TRANSPORTATION & PUBLIC WORKS**  
 TRANSPORTATION PROGRAMMING  
 & CAPITAL PROJECTS DIVISION

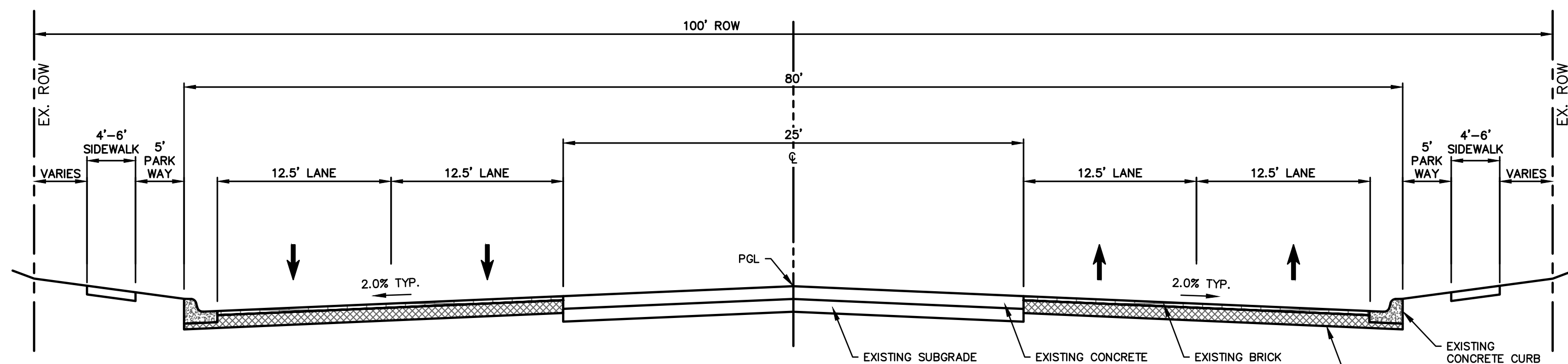
**2023**

**PREPARED BY**  
  
 a Westwood company  
 4060 BRYANT IRVIN RD. ■ FORT WORTH, TX 76109 ■ 817.412.7155  
 TX REG. ENGINEERING FIRM F-469 ■ TX REG. SURVEYING FIRM LS-10008001

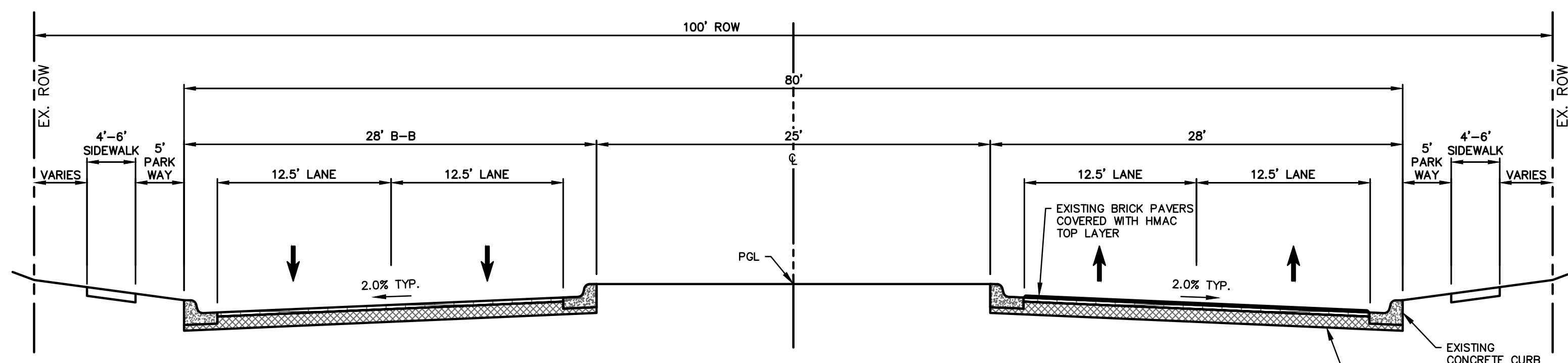
PROJECT DESCRIPTION  
PROJECT NAME



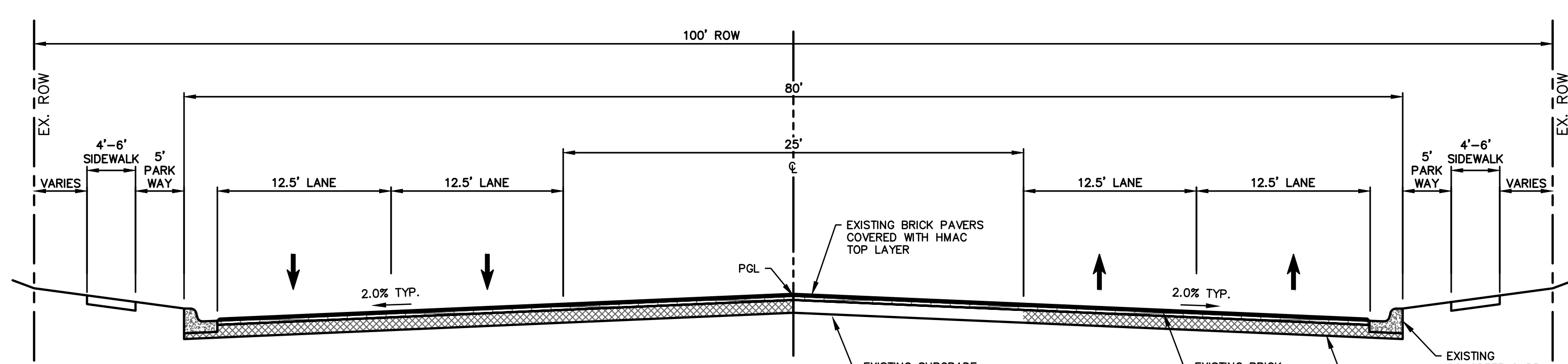
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CURBED MEDIAN - BRICK



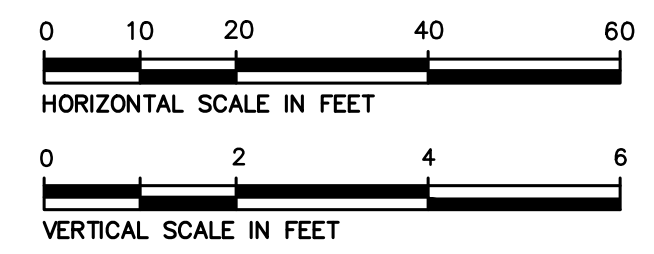
**2** EXISTING CAMP BOWIE BLVD  
INTERSECTION - BRICK



**3** EXISTING CAMP BOWIE BLVD  
CURBED MEDIAN - ASPHALT



**4** EXISTING CAMP BOWIE BLVD  
INTERSECTION - ASPHALT



**LEGEND**

- B- BOLLARD
- CO- CLEANOUT
- CV- CABLE VAULT
- ELEC- ELECTRIC BOX
- ELEC- ELECTRIC VAULT
- ELEC- UG ELECTRIC MARKER
- FD- FIRE DEPT. CONN.
- FL- FLOOD LIGHT
- FO- FIBER OPTIC VAULT
- GAS- GAS MANHOLE
- GM- GAS METER
- GT- GREASE TRAP
- GV- GAS VALVE
- HH- HAND HOLE (UNKNOWN)
- HE- HAND HOLE ELECTRIC
- HC- HAND HOLE CABLE
- HT- HAND HOLE TELEPHONE
- LS- LIGHT STANDARD
- MH- MANHOLE (UNKNOWN)
- PBE- PULL BOX ELECTRIC
- PBC- PULL BOX CABLE
- PBO- PULL BOX OPTIC
- PBT- PULL BOX TELEPHONE
- SS- SAN. SEWER MANHOLE
- TEL- TELEPHONE BOX
- TSC- TRAFFIC SIGNAL CONTROL
- TSP- TRAFFIC SIGNAL POLE
- TE- TELEPHONE VAULT
- TM- TELEPHONE MANHOLE
- STM- STORM SEWER MANHOLE
- TMH- TELEPHONE MANHOLE
- VA- VAULT (TYPE UNKNOWN)
- WM- WATER METER
- WMH- WATER MANHOLE
- WV- WATER VAULT
- WV- WATER VALVE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- SURVEY ABSTRACT LINE
- X- FENCE
- E- UNDERGROUND ELECTRIC LINE
- T- UNDERGROUND TELEPHONE LINE
- C- UNDERGROUND CABLE LINE
- F- UNDERGROUND FIBER OPTIC LINE
- G- UNDERGROUND GAS LINE
- SD- STORM DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- G13- EXIST CONTOUR

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DATE: 7/11/2023

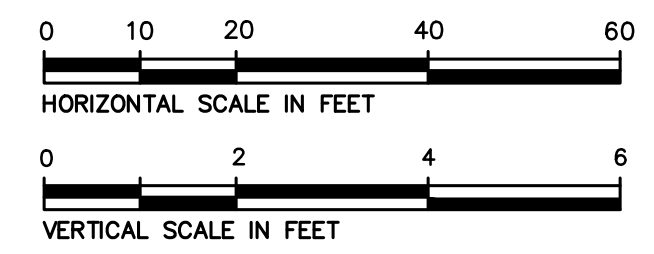
NO.	DATE	REVISION



<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<i>FORT WORTH, TARRANT COUNTY, TEXAS</i>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	2

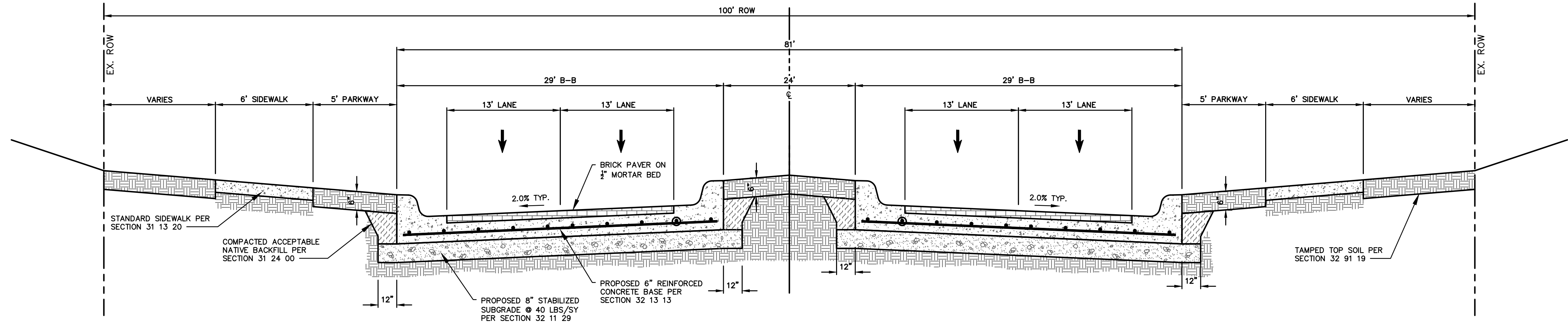
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

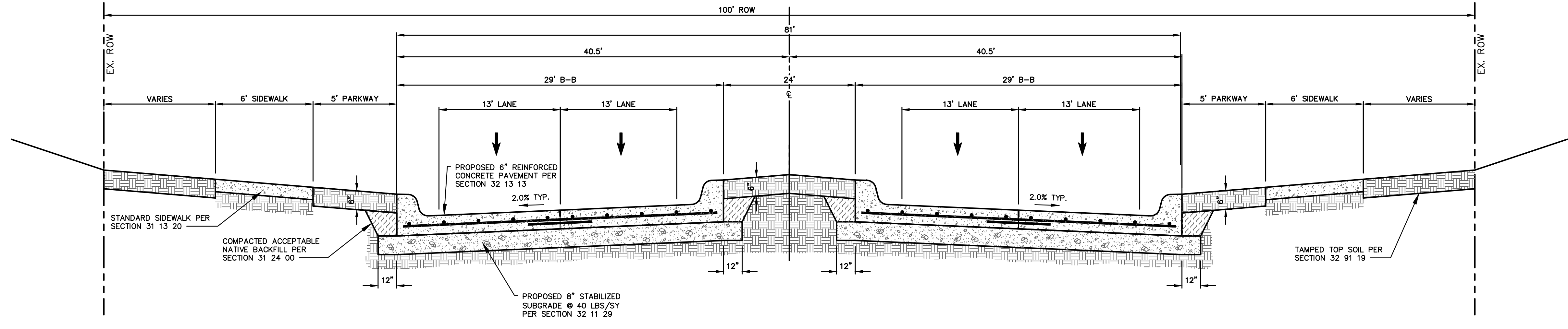


**LEGEND**

- B- BOLLARD
- CO- CLEANOUT
- CV- CABLE VAULT
- ELEC- ELECTRIC BOX
- ELEC- ELECTRIC VAULT
- ELEC- UG ELECTRIC MARKER
- FD- FIRE DEPT. CONN.
- FD- FIRE HYDRANT
- FL- FLOOD LIGHT
- FO- FIBER OPTIC VAULT
- GAS- GAS MANHOLE
- GM- GAS METER
- GT- GREASE TRAP
- GV- GAS VAULT
- GV- GAS VALVE
- HH- HAND HOLE (UNKNOWN)
- HE- HAND HOLE ELECTRIC
- HC- HAND HOLE CABLE
- HT- HAND HOLE TELEPHONE
- LS- LIGHT STANDARD
- MH- MANHOLE (UNKNOWN)
- PE- PULL BOX ELECTRIC
- PC- PULL BOX CABLE
- PO- PULL BOX FIBER OPTIC
- PT- PULL BOX TELEPHONE
- SI- TRAFFIC SIGN
- SS- SAN. SEWER MANHOLE
- TEL- TELEPHONE BOX
- TS- TRAFFIC SIGNAL CONTROL
- TSP- TRAFFIC SIGNAL POLE
- TE- TELEPHONE VAULT
- STM- STORM SEWER MANHOLE
- TE- TELEPHONE MANHOLE
- TK- VAULT (TYPE UNKNOWN)
- WM- WATER METER
- WMH- WATER MANHOLE
- WV- WATER VAULT
- WV- WATER VALVE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- SURVEY ABSTRACT LINE
- X- FENCE
- E- UNDERGROUND ELECTRIC LINE
- T- UNDERGROUND TELEPHONE LINE
- C- UNDERGROUND CABLE LINE
- F- UNDERGROUND FIBER OPTIC LINE
- G- UNDERGROUND GAS LINE
- S- STORM DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- G13- EXIST CONTOUR



**1 PROPOSED CAMP BOWIE BLVD  
CURBED MEDIAN - BRICK**



**2 PROPOSED CAMP BOWIE BLVD  
CURBED MEDIAN - CONCRETE**

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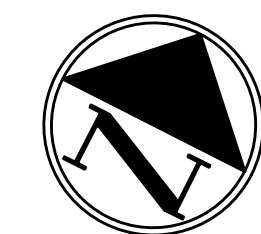
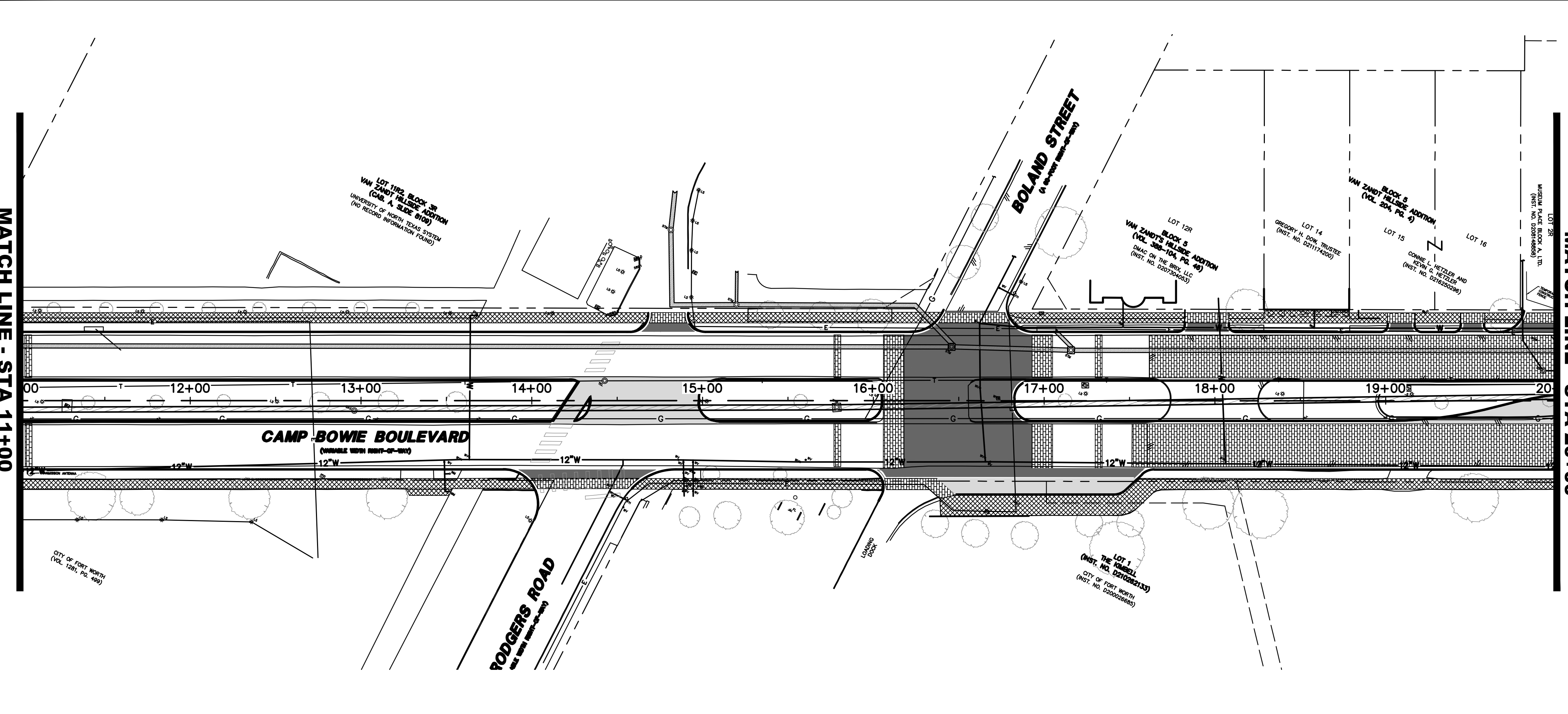
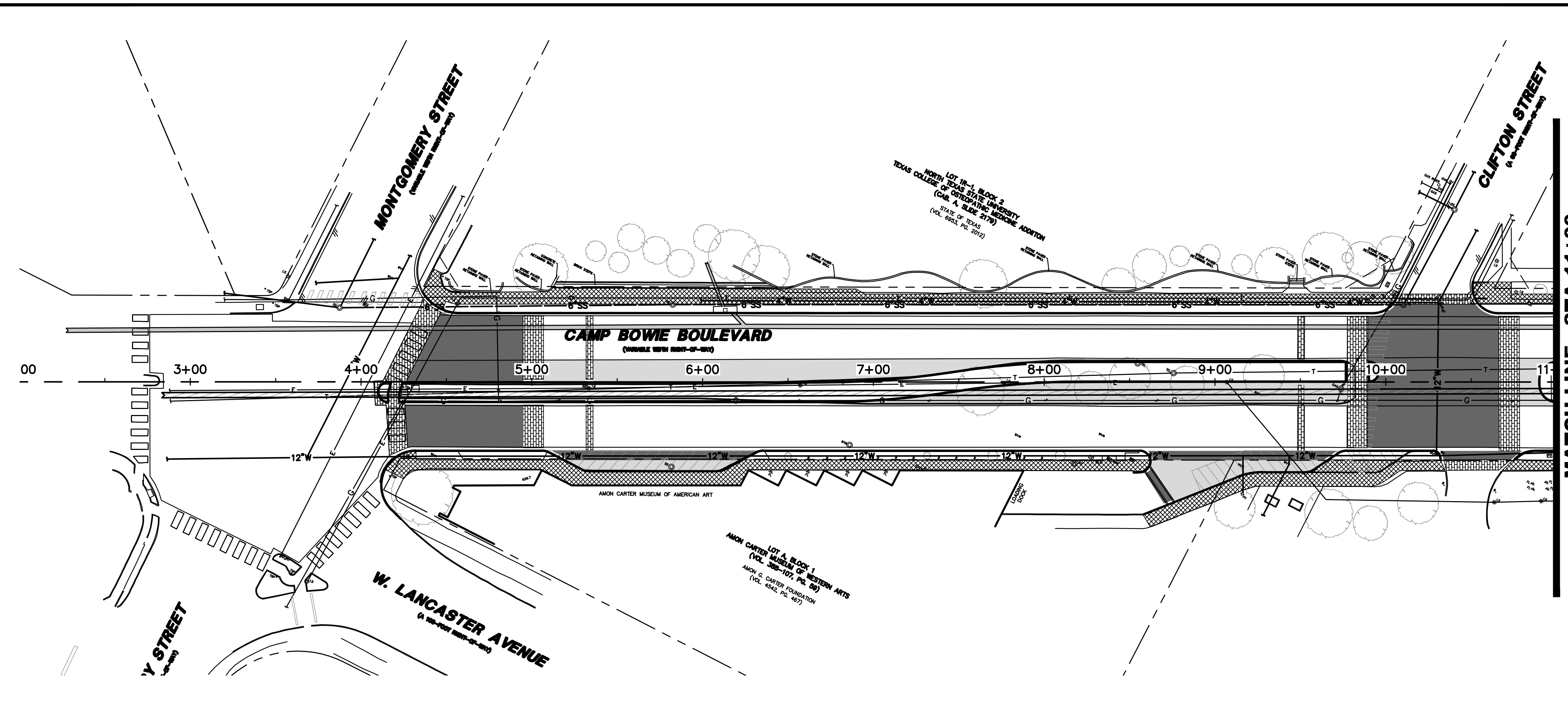
NO.	DATE	REVISION



<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<i>FORT WORTH, TARRANT COUNTY, TEXAS</i>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	3

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**LEGEND**

- B+ BOLLARD
- CD+ CLEANOUT
- CV+ CABLE VAULT
- ELEC+ ELECTRIC BOX
- EV+ ELECTRIC VAULT
- ELEC- UG ELECTRIC MARKER
- FD+ FIRE DEPT. CONN.
- PH+ FIRE HYDRANT
- FL+ FLOOD LIGHT
- FO+ FIBER OPTIC VAULT
- GM+ GAS MANHOLE
- GMB+ GAS METER
- GTO+ GREASE TRAP
- GV+ GAS VALVE
- HH+ HAND HOLE (UNKNOWN)
- HE+ HAND HOLE ELECTRIC
- HC+ HAND HOLE CABLE
- HT+ HAND HOLE TELEPHONE
- LS+ LIGHT STANDARD
- MH+ MANHOLE (UNKNOWN)
- PE+ PULL BOX ELECTRIC
- PC+ PULL BOX CABLE
- PF+ PULL BOX FIBER OPTIC
- PT+ PULL BOX TELEPHONE
- SN+ TRAFFIC SIGN
- SS+ SAN. SEWER MANHOLE
- TEL+ TELEPHONE BOX
- TSCD+ TRAFFIC SIGNAL CONTROL
- TSP+ TRAFFIC SIGNAL POLE
- TV+ TELEPHONE VAULT
- STM+ STORM SEWER MANHOLE
- TEL- TELEPHONE MANHOLE
- VAULT (TYPE UNKNOWN)
- WM+ WATER METER
- WMH+ WATER MANHOLE
- WV+ WATER VALVE
- WV+ WATER VALVE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- SURVEY ABSTRACT LINE
- X- FENCE
- E- UNDERGROUND ELECTRIC LINE
- T- UNDERGROUND TELEPHONE LINE
- C- UNDERGROUND CABLE LINE
- F- UNDERGROUND FIBER OPTIC LINE
- G- UNDERGROUND GAS LINE
- SD- STORM DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- 615- EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

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NO.	DATE	REVISION

4860 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**PROJECT LAYOUT**  
**BEGIN TO STA 20+00**

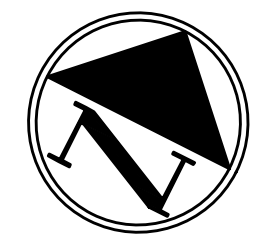
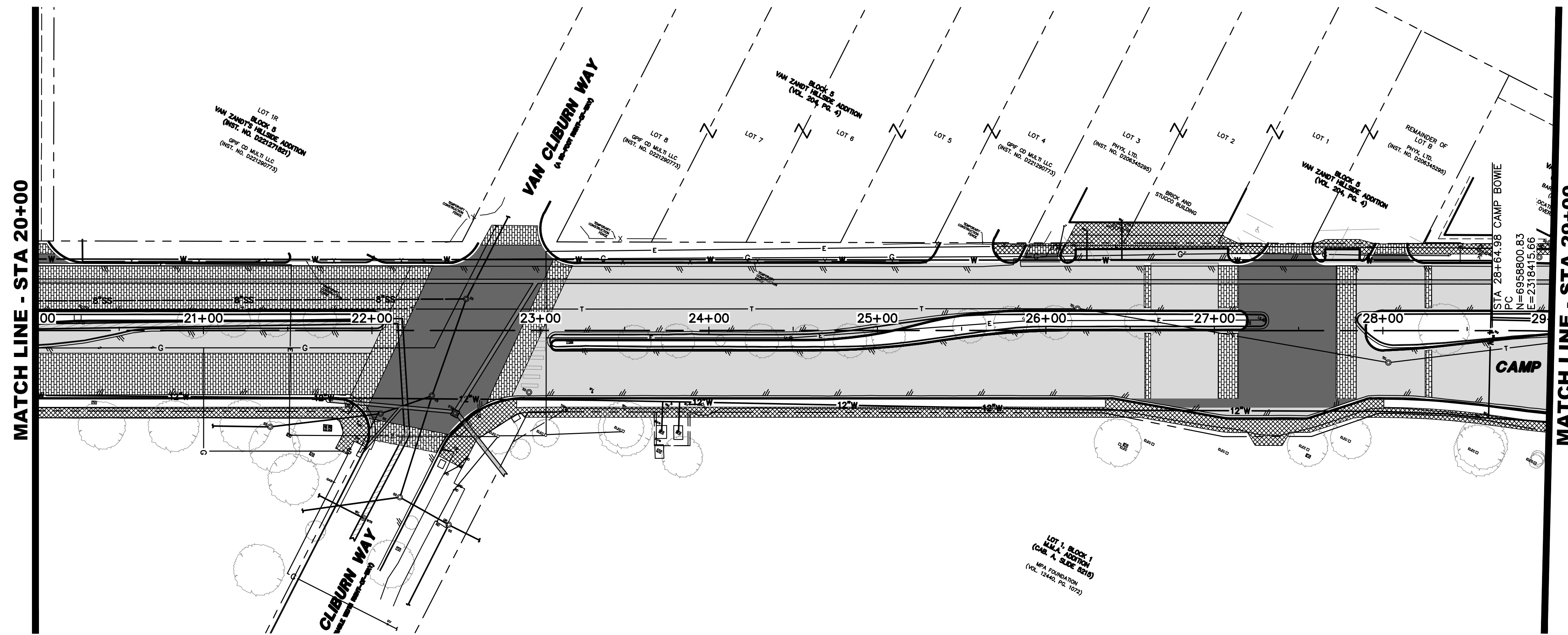
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>4</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

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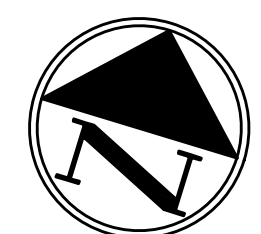
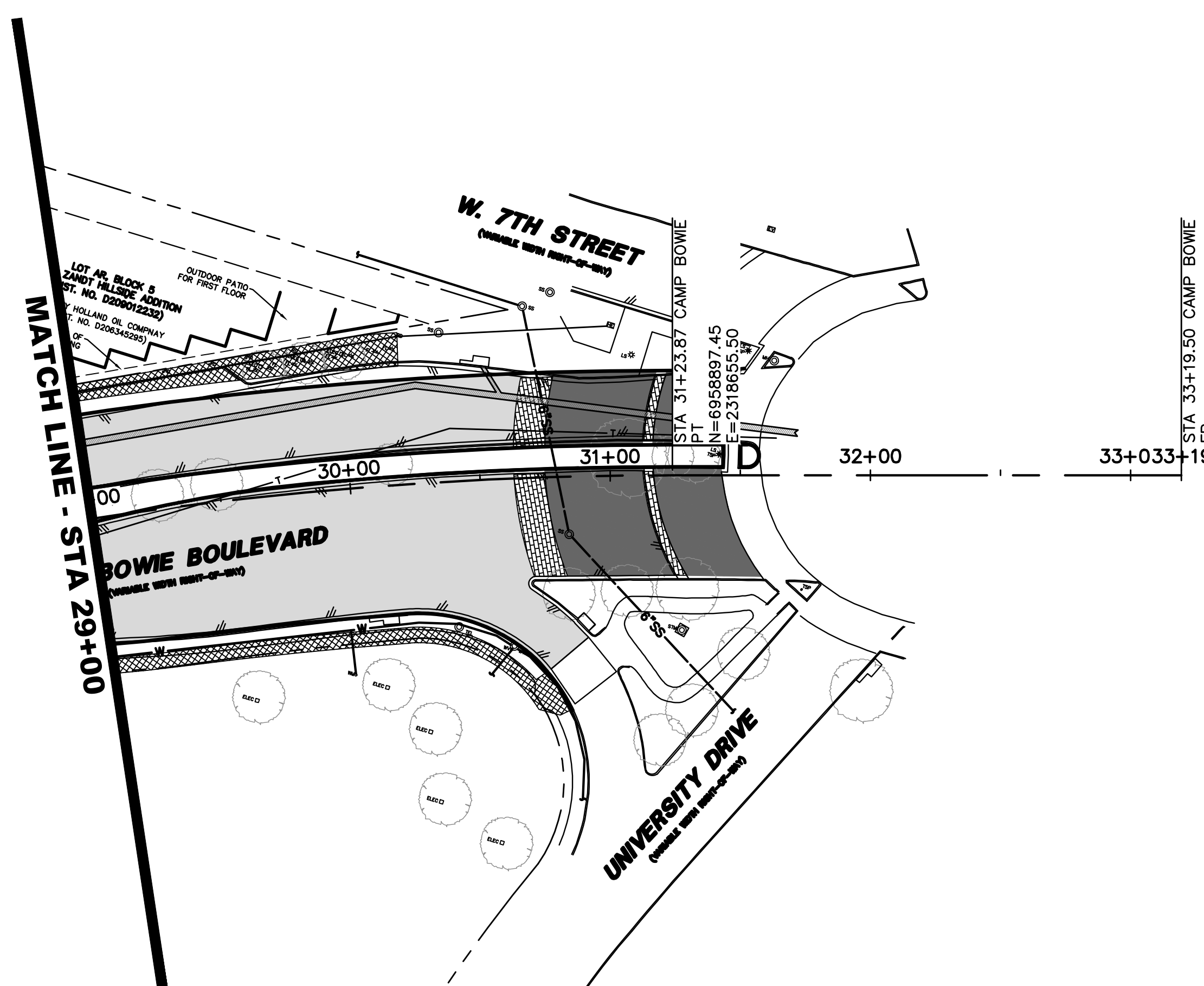


**LEGEND**

- B+ BOLLARD
- CD+ CLEANOUT
- CV+ CABLE VAULT
- ELEC+ ELECTRIC BOX
- EV+ ELECTRIC VAULT
- ELEC- UG ELECTRIC MARKER
- FD+ FIRE DEPT. CONN.
- PH+ FIRE HYDRANT
- FL+ FLOOD LIGHT
- FO+ FIBER OPTIC VAULT
- GM+ GAS MANHOLE
- GMB+ GAS METER
- GTO+ GREASE TRAP
- GV+ GAS VALVE
- HH+ HAND HOLE (UNKNOWN)
- HE+ HAND HOLE ELECTRIC
- HC+ HAND HOLE CABLE
- HT+ HAND HOLE TELEPHONE
- LS+ LIGHT STANDARD
- M+ MANHOLE (UNKNOWN)
- PE+ PULL BOX ELECTRIC
- PC+ PULL BOX CABLE
- PF+ PULL BOX FIBER OPTIC
- PT+ PULL BOX TELEPHONE
- SS+ SAN. SEWER MANHOLE
- TEL+ TELEPHONE BOX
- TSCD+ TRAFFIC SIGNAL CONTROL
- TSP+ TRAFFIC SIGNAL POLE
- TV+ TELEPHONE VAULT
- STM+ STORM SEWER MANHOLE
- TEL- TELEPHONE MANHOLE
- VAULT (TYPE UNKNOWN)
- WM+ WATER METER
- WMH+ WATER MANHOLE
- WV+ WATER VALVE
- WV- WATER VALVE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- SURVEY ABSTRACT LINE
- X- FENCE
- E- UNDERGROUND ELECTRIC LINE
- T- UNDERGROUND TELEPHONE LINE
- C- UNDERGROUND CABLE LINE
- F- UNDERGROUND FIBER OPTIC LINE
- G- UNDERGROUND GAS LINE
- SD- STORM DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- 613- EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

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DATE: 7/11/2023



NO.	DATE	REVISION

**Pacheco Koch**  
a Westwood company

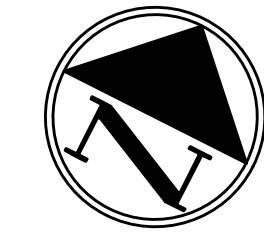
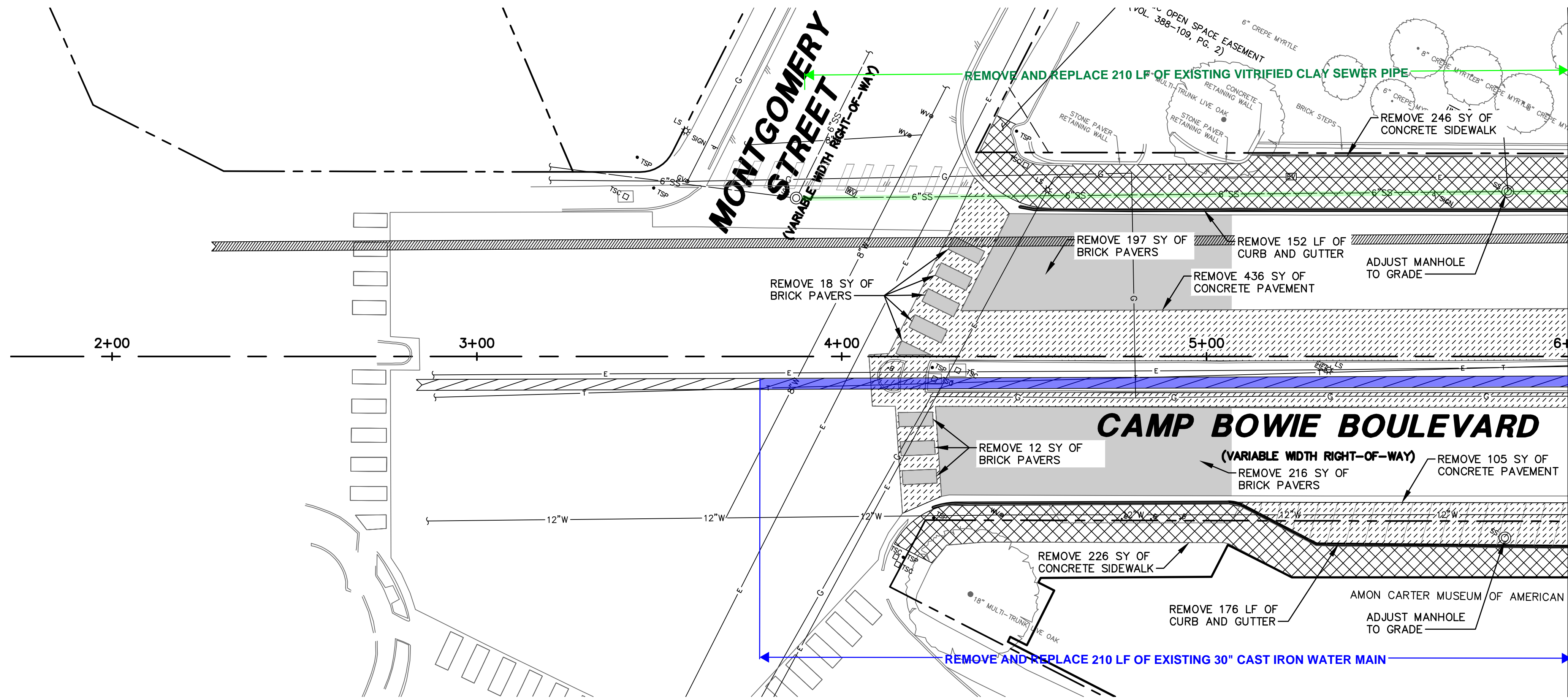
4860 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

**PROJECT LAYOUT**  
**STA 20+00 TO END**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>5</b>

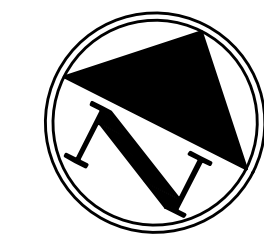
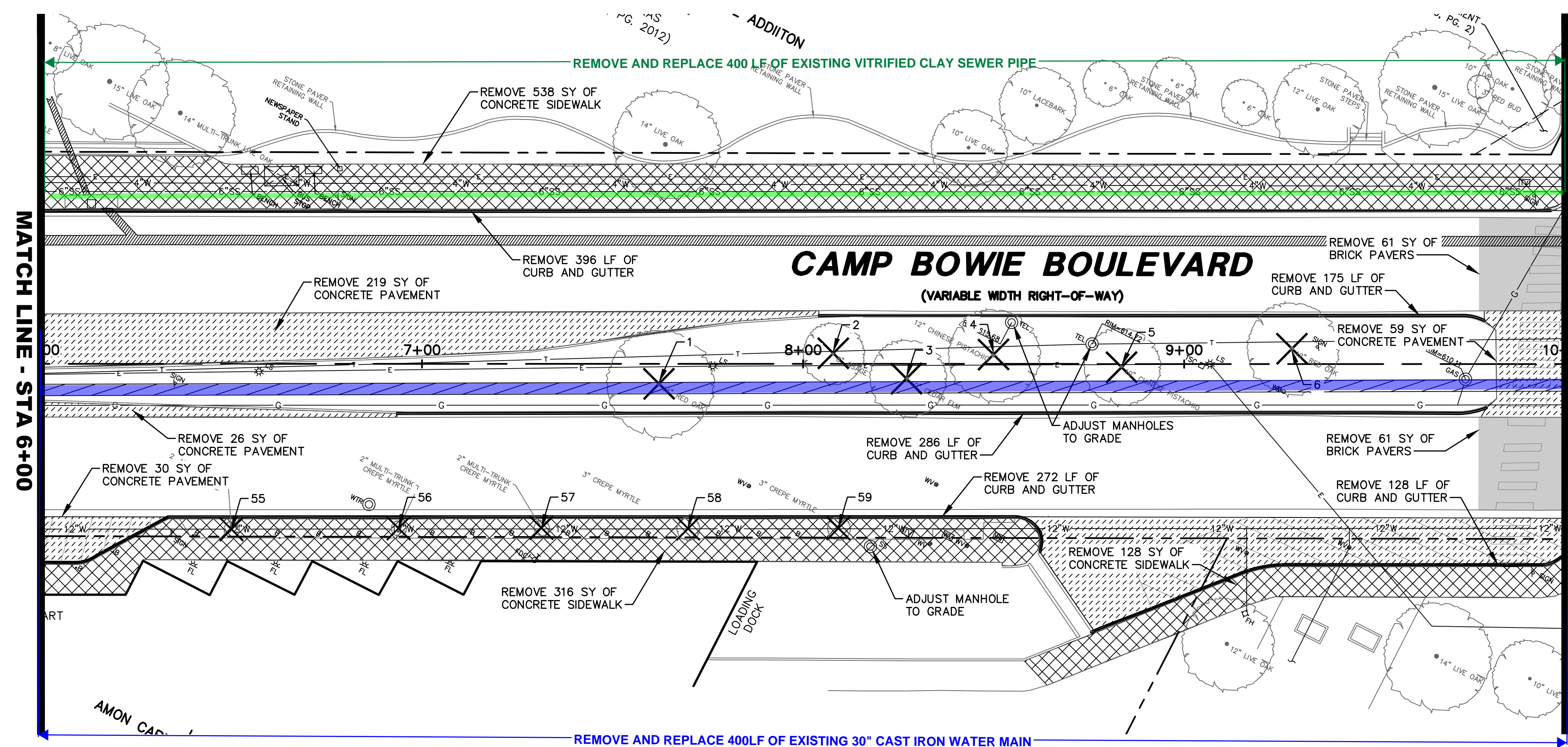
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**LEGEND**

- B = BOLLARD
- CD = CLEANOUT
- CV = CABLE VAULT
- ELEC = ELECTRIC BOX
- EV = ELECTRIC VAULT
- ELEC-UG = UG ELECTRIC MARKER
- FD = FIRE DEPT. CONN.
- PH = FIRE HYDRANT
- FL = FLOOD LIGHT
- FOV = FIBER OPTIC VAULT
- GM = GAS MANHOLE
- GMB = GAS METER
- GTO = GREASE TRAP
- GV = GAS VAULT
- GVV = GAS VALVE
- HH = HAND HOLE (UNKNOWN)
- HE = HAND HOLE ELECTRIC
- HT = HAND HOLE TELEPHONE
- LS = LIGHT STANDARD
- MH = MANHOLE (UNKNOWN)
- PBE = PULL BOX ELECTRIC
- PBC = PULL BOX CABLE
- PBF = PULL BOX FIBER OPTIC
- PBT = PULL BOX TELEPHONE
- SN = TRAFFIC SIGN
- SS = SAN. SEWER MANHOLE
- TEL = TELEPHONE BOX
- TSCD = TRAFFIC SIGNAL CONTROL
- TSP = TRAFFIC SIGNAL POLE
- TV = TELEPHONE VAULT
- STM = STORM SEWER MANHOLE
- TEL-MH = TELEPHONE MANHOLE
- V = VAULT (TYPE UNKNOWN)
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VAULT
- WV\* = WATER VALVE
- = PROPERTY LINE
- = EASEMENT LINE
- = SETBACK LINE
- = SURVEY ABSTRACT LINE
- X- = FENCE
- E- = UNDERGROUND ELECTRIC LINE
- T- = UNDERGROUND TELEPHONE LINE
- C- = UNDERGROUND CABLE LINE
- F- = UNDERGROUND FIBER OPTIC LINE
- G- = UNDERGROUND GAS LINE
- SD- = STORM DRAIN LINE
- W- = WATER LINE
- SS- = SANITARY SEWER LINE
- G-1-3- = EXIST CONTOUR

- REMOVE CONCRETE PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE BRICK PAVERS
- REMOVE DRIVEWAY PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE TREE



TREE DEMOLITION	
#	SIZE/SPECIES
1	14\"/>

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NO.	DATE	REVISION

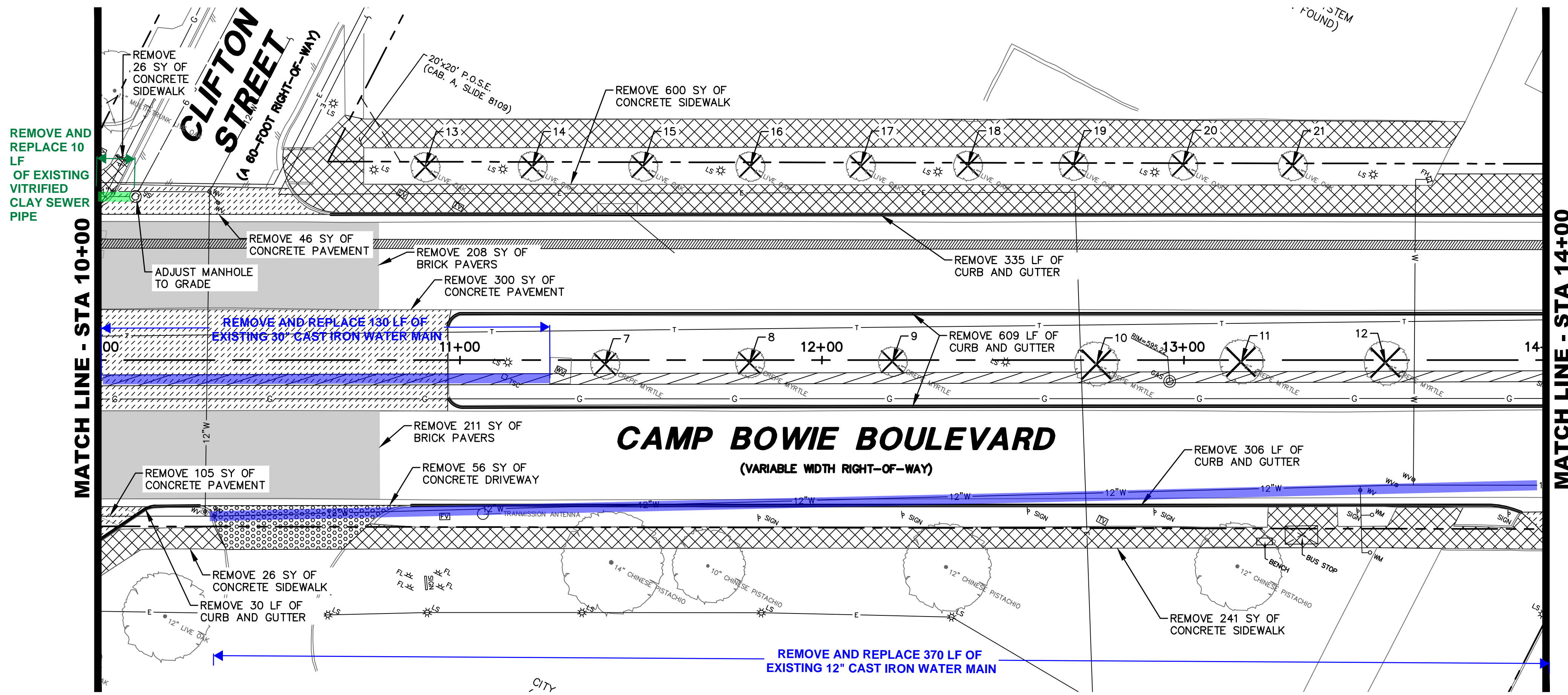
**DEMOLITION PLAN**  
**BEGIN TO STA 10+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	6

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



TREE DEMOLITION	
#	SIZE/SPECIES
7	4" CREPE MYRTLE
8	4" CREPE MYRTLE
9	4" CREPE MYRTLE
10	6" CREPE MYRTLE
11	6" CREPE MYRTLE
12	6" CREPE MYRTLE
13	4" LIVE OAK
15	4" LIVE OAK
16	4" LIVE OAK
17	4" LIVE OAK
18	4" LIVE OAK
19	4" LIVE OAK
20	4" LIVE OAK
21	4" LIVE OAK



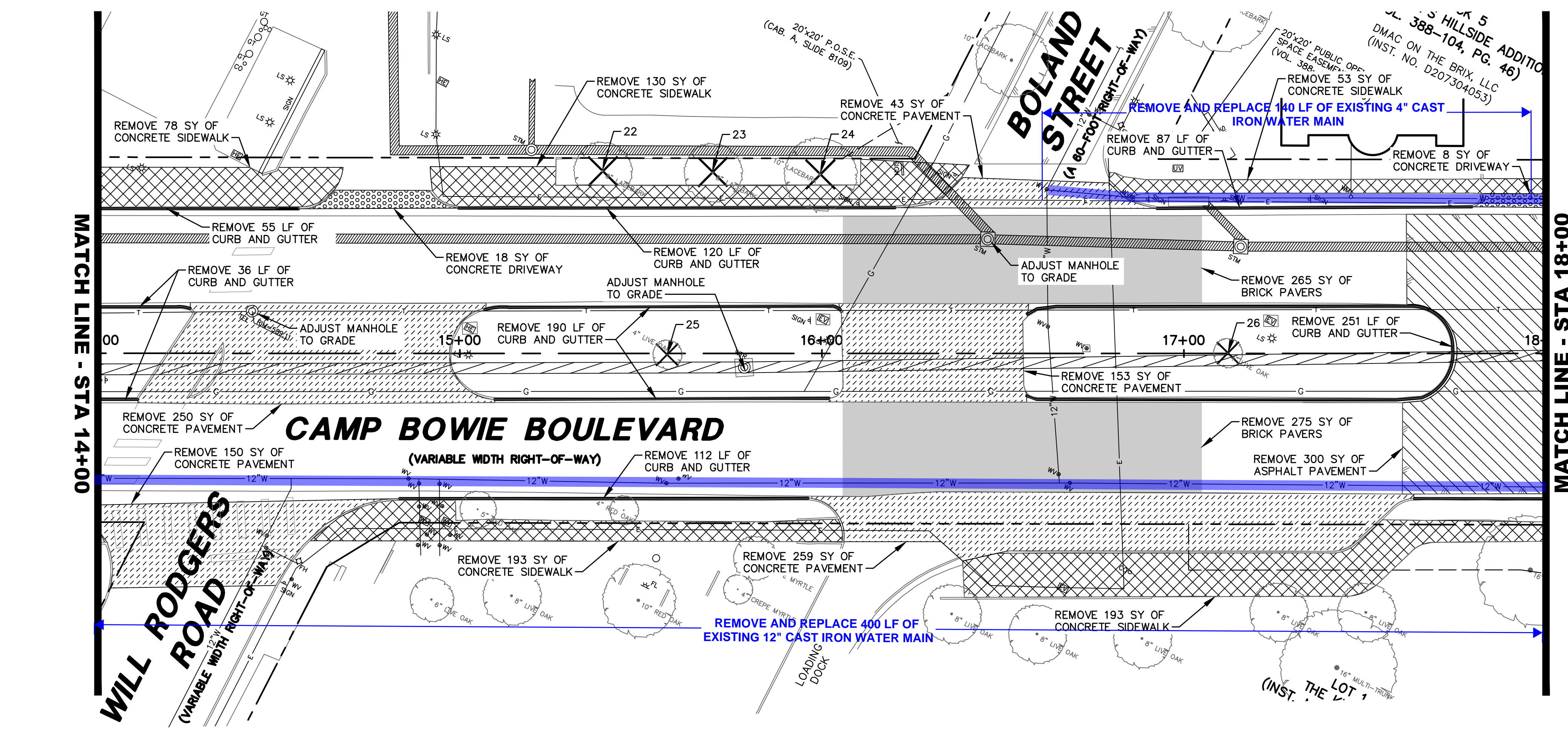
**LEGEND**

- B BOLLARD
- CB CLEANOUT
- CV CABLE VAULT
- ELEC ELECTRIC BOX
- EV ELECTRIC VAULT
- ELEC-UG UG ELECTRIC MARKER
- FD FIRE DEPT. CONN.
- PH FIRE HYDRANT
- FL FLOOD LIGHT
- FO FIBER OPTIC VAULT
- GM GAS MANHOLE
- GMB GAS METER
- GT GREASE TRAP
- GV GAS VALVE
- HH HAND HOLE (UNKNOWN)
- HE HAND HOLE ELECTRIC
- HC HAND HOLE CABLE
- HT HAND HOLE TELEPHONE
- LS LIGHT STANDARD
- MH MANHOLE (UNKNOWN)
- PEE PULL BOX ELECTRIC
- PBC PULL BOX CABLE
- PBF PULL BOX FIBER OPTIC
- PBT PULL BOX TELEPHONE
- SS SAN. SEWER MANHOLE
- SSC SAN. SEWER MANHOLE
- TSO TRAFFIC SIGNAL CONTROL
- TSP TRAFFIC SIGNAL POLE
- TEL TELEPHONE VAULT
- STM STORM SEWER MANHOLE
- TEL TELEPHONE MANHOLE
- VAULT (TYPE UNKNOWN)
- WM WATER METER
- WMH WATER MANHOLE
- WV WATER VALVE
- WV WATER VAULT
- WV WATER VALVE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINE
- SURVEY ABSTRACT LINE
- X- FENCE
- E- UNDERGROUND ELECTRIC LINE
- T- UNDERGROUND TELEPHONE LINE
- C- UNDERGROUND CABLE LINE
- F- UNDERGROUND FIBER OPTIC LINE
- G- UNDERGROUND GAS LINE
- SD- STORM DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- 613- EXIST CONTOUR

- REMOVE CONCRETE PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE BRICK PAVERS
- REMOVE DRIVEWAY PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE TREE

TREE DEMOLITION	
#	SIZE/SPECIES
22	8" LACEBARK
23	8" LACEBARK
24	10" LACEBARK
25	4" LIVE OAK
26	4" LIVE OAK

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E. TEXAS REGISTRATION NO. 81821 DATE: 7/11/2023



TREE DEMOLITION	
#	SIZE/SPECIES
22	8" LACEBARK
23	8" LACEBARK
24	10" LACEBARK
25	4" LIVE OAK
26	4" LIVE OAK

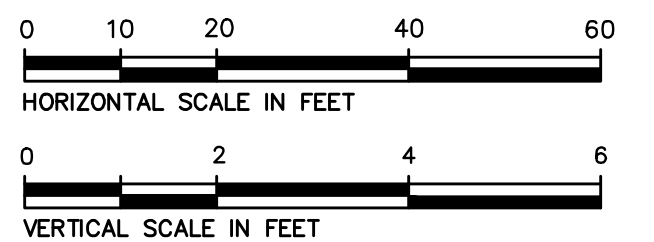
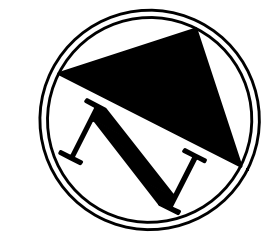
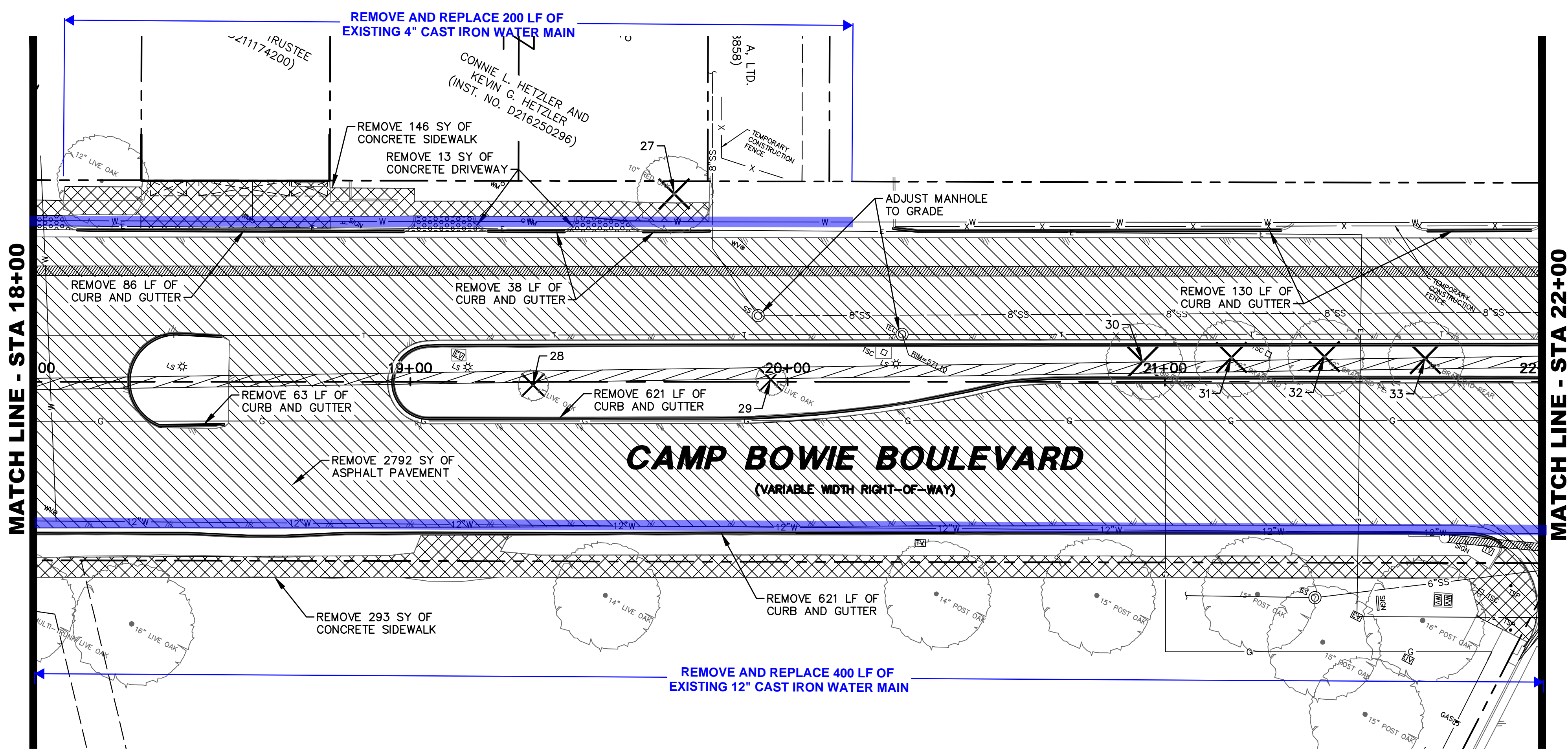
NO.	DATE	REVISION

**DEMOLITION PLAN**  
**STA 10+00 TO STA 18+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	7

CTL/CTS  
 07/11/2023 - 11:01AM  
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



TREE DEMOLITION	
#	SIZE/SPECIES
27	10" RED OAK
28	4" LIVE OAK
29	4" LIVE OAK
30	10" BRADFORD PEAR
31	10" BRADFORD PEAR
32	10" BRADFORD PEAR
33	10" BRADFORD PEAR

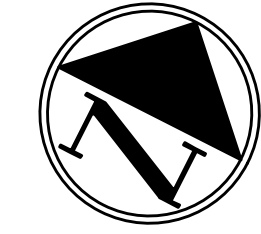
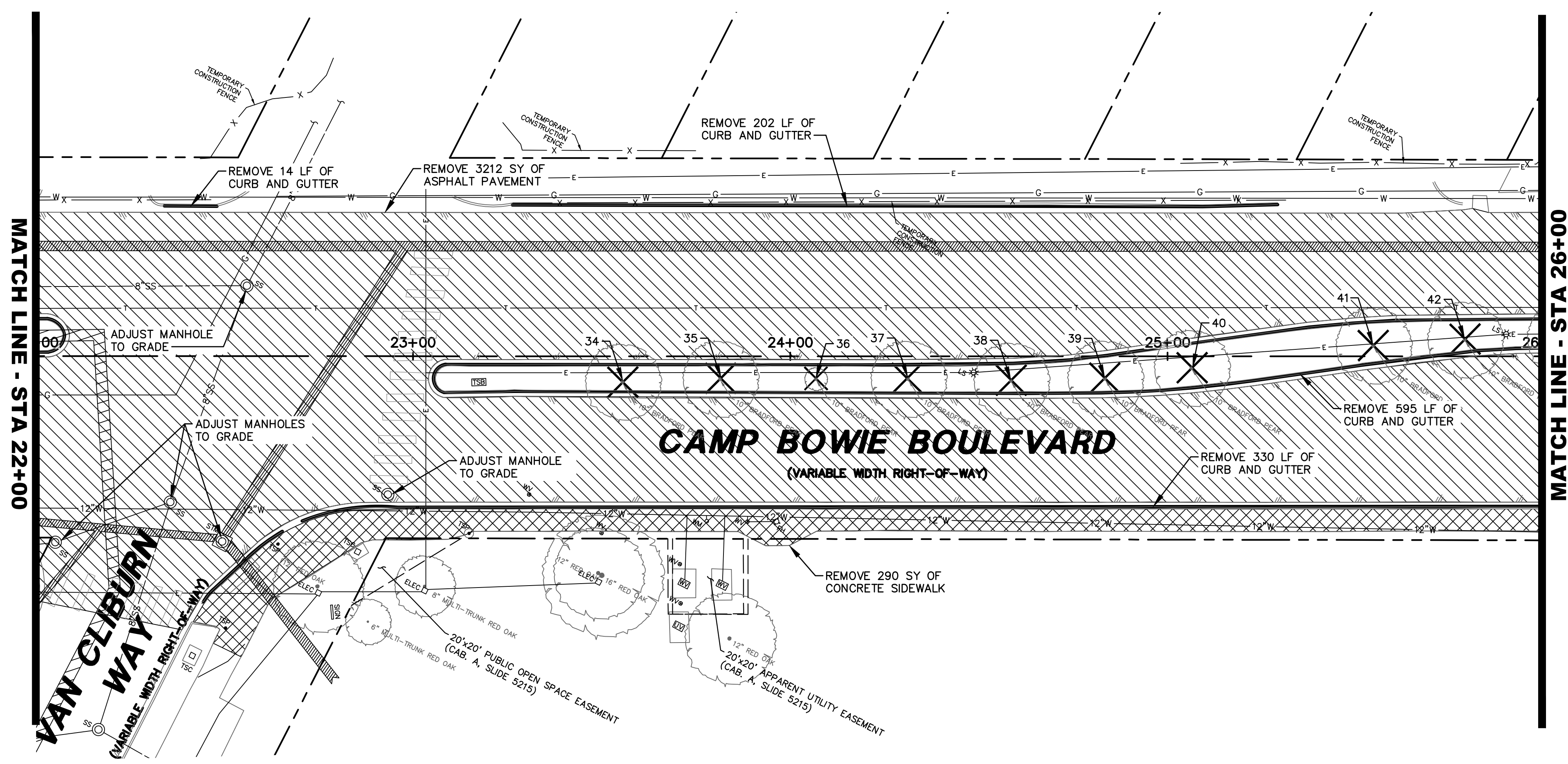
**LEGEND**

- B- BOLLARD
- CD- CLEANOUT
- CV- CABLE VAULT
- ELEC- ELECTRIC BOX
- EV- ELECTRIC VAULT
- UG- UG ELECTRIC MARKER
- FD- FIRE DEPT. CONN.
- PH- FIRE HYDRANT
- FL- FLOOD LIGHT
- FO- FIBER OPTIC VAULT
- GM- GAS MANHOLE
- GMB- GAS METER
- GTO- GREASE TRAP
- GV- GAS VALVE
- GH- HAND HOLE (UNKNOWN)
- HE- HAND HOLE ELECTRIC
- HC- HAND HOLE CABLE
- HT- HAND HOLE TELEPHONE
- LS- LIGHT STANDARD
- MH- MANHOLE (UNKNOWN)
- PBC- PULL BOX CABLE
- PBF- PULL BOX FIBER OPTIC
- PBT- PULL BOX TELEPHONE
- SN- SAN. SEWER MANHOLE
- TEL- TELEPHONE BOX
- TSCD- TRAFFIC SIGNAL CONTROL
- TSP- TRAFFIC SIGNAL POLE
- TV- TELEPHONE VAULT
- STM- STORM SEWER MANHOLE
- TM- TELEPHONE MANHOLE
- V- VAULT (TYPE UNKNOWN)
- WM- WATER METER
- WMH- WATER MANHOLE
- WV- WATER VALVE
- WL- WATER LINE
- PL- PROPERTY LINE
- EL- EASEMENT LINE
- SL- SETBACK LINE
- SA- SURVEY ABSTRACT LINE
- F- FENCE
- UE- UNDERGROUND ELECTRIC LINE
- UC- UNDERGROUND CABLE LINE
- UF- UNDERGROUND FIBER OPTIC LINE
- UG- UNDERGROUND GAS LINE
- UD- UNDERGROUND DRAIN LINE
- W- WATER LINE
- SS- SANITARY SEWER LINE
- 613- EXIST CONTOUR

- REMOVE CONCRETE PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE BRICK PAVERS
- REMOVE DRIVEWAY PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE TREE

TREE DEMOLITION	
#	SIZE/SPECIES
34	10" BRADFORD PEAR
35	10" BRADFORD PEAR
36	10" BRADFORD PEAR
37	10" BRADFORD PEAR
38	10" BRADFORD PEAR
39	10" BRADFORD PEAR
40	10" BRADFORD PEAR
41	10" BRADFORD PEAR
42	10" BRADFORD PEAR

**PRELIMINARY**  
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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E. TEXAS REGISTRATION NO. 81821 DATE: 7/11/2023



NO.	DATE	REVISION

**Pacheco Koch**  
 a Westwood company  
 4860 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**DEMOLITION PLAN**  
**STA 18+00 TO STA 26+00**

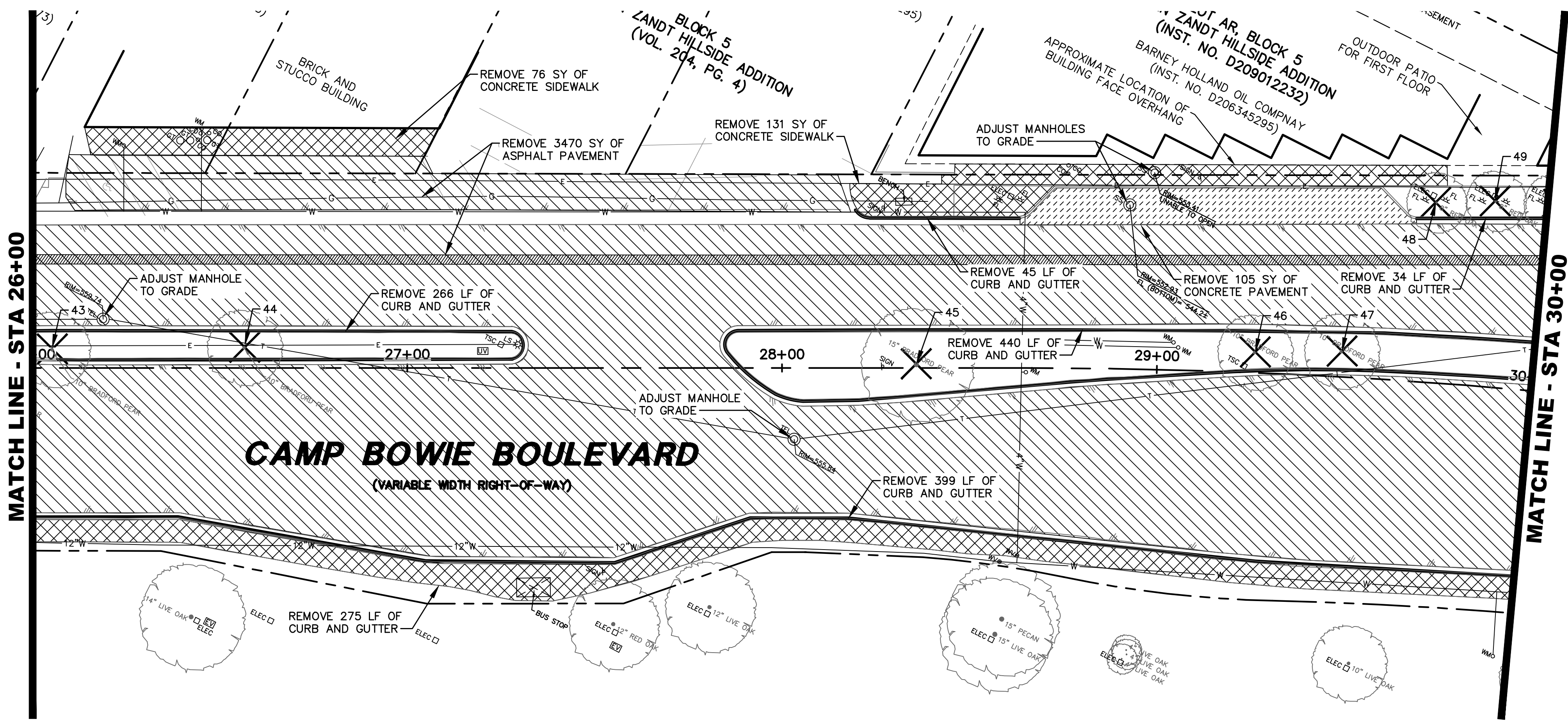
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	8

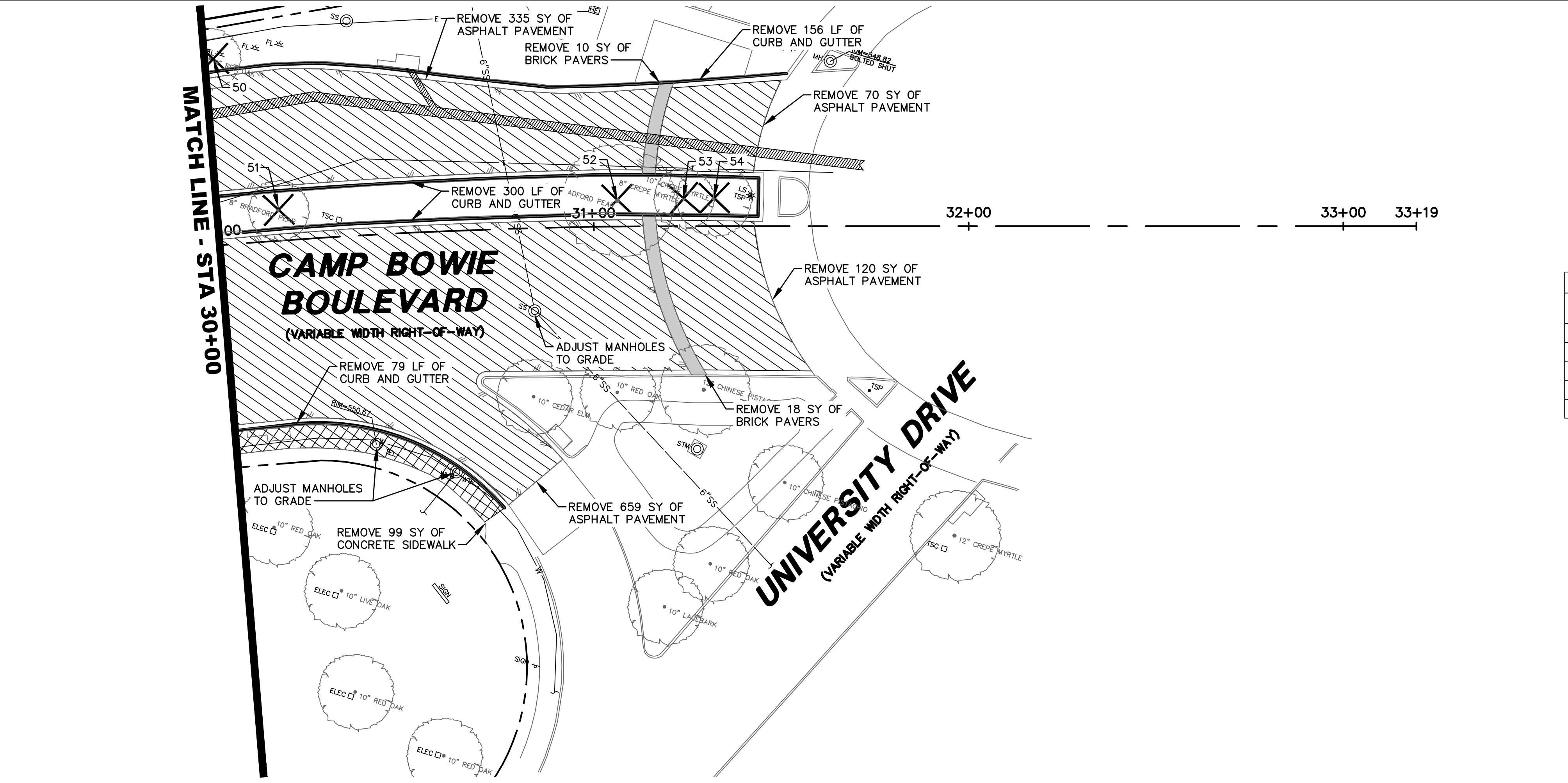
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR





TREE DEMOLITION	
#	SIZE/SPECIES
43	10" BRADFORD PEAR
44	10" BRADFORD PEAR
45	15" BRADFORD PEAR
46	10" BRADFORD PEAR
47	10" BRADFORD PEAR
48	8" RED OAK
49	8" RED OAK



TREE DEMOLITION	
#	SIZE/SPECIES
50	8" RED OAK
51	8" BRADFORD PEAR
52	15" BRADFORD PEAR
53	8" CREPE MYRTLE
54	10" CREPE MYRTLE



**LEGEND**

- B = BOLLARD
- CD = CLEANOUT
- CV = CABLE VAULT
- ELEC = ELECTRIC BOX
- EV = ELECTRIC VAULT
- UG = UG ELECTRIC MARKER
- FD = FIRE DEPT. CONN.
- PH = FIRE HYDRANT
- FL = FLOOD LIGHT
- FO = FIBER OPTIC VAULT
- GM = GAS MANHOLE
- GMG = GAS METER
- GTO = GREASE TRAP
- GV = GAS VAULT
- GVV = GAS VALVE
- HH = HAND HOLE (UNKNOWN)
- HE = HAND HOLE ELECTRIC
- HC = HAND HOLE CABLE
- HT = HAND HOLE TELEPHONE
- LS = LIGHT STANDARD
- MH = MANHOLE (UNKNOWN)
- PE = PULL BOX ELECTRIC
- PC = PULL BOX CABLE
- PF = PULL BOX FIBER OPTIC
- PT = PULL BOX TELEPHONE
- SN = TRAFFIC SIGN
- SS = SAN. SEWER MANHOLE
- TEL = TELEPHONE BOX
- TSC = TRAFFIC SIGNAL CONTROL
- TSP = TRAFFIC SIGNAL POLE
- TV = TELEPHONE VAULT
- STM = STORM SEWER MANHOLE
- TMH = TELEPHONE MANHOLE
- V = VAULT (TYPE UNKNOWN)
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VAULT
- WVW = WATER VALVE
- PL = PROPERTY LINE
- EL = EASEMENT LINE
- SL = SETBACK LINE
- SA = SURVEY ABSTRACT LINE
- F = FENCE
- UE = UNDERGROUND ELECTRIC LINE
- UT = UNDERGROUND TELEPHONE LINE
- UC = UNDERGROUND CABLE LINE
- UF = UNDERGROUND FIBER OPTIC LINE
- UG = UNDERGROUND GAS LINE
- UD = UNDERGROUND DRAIN LINE
- WL = WATER LINE
- SS = SANITARY SEWER LINE
- EC = EXIST CONTOUR

- REMOVE CONCRETE PAVEMENT
- REMOVE ASPHALT PAVEMENT
- REMOVE BRICK PAVERS
- REMOVE DRIVEWAY PAVEMENT
- REMOVE CONCRETE SIDEWALK
- REMOVE CONCRETE CURB AND GUTTER
- REMOVE TREE

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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E. TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

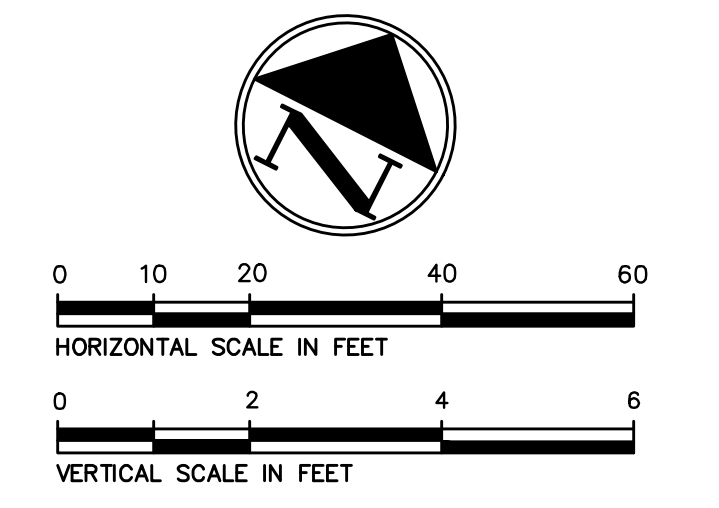
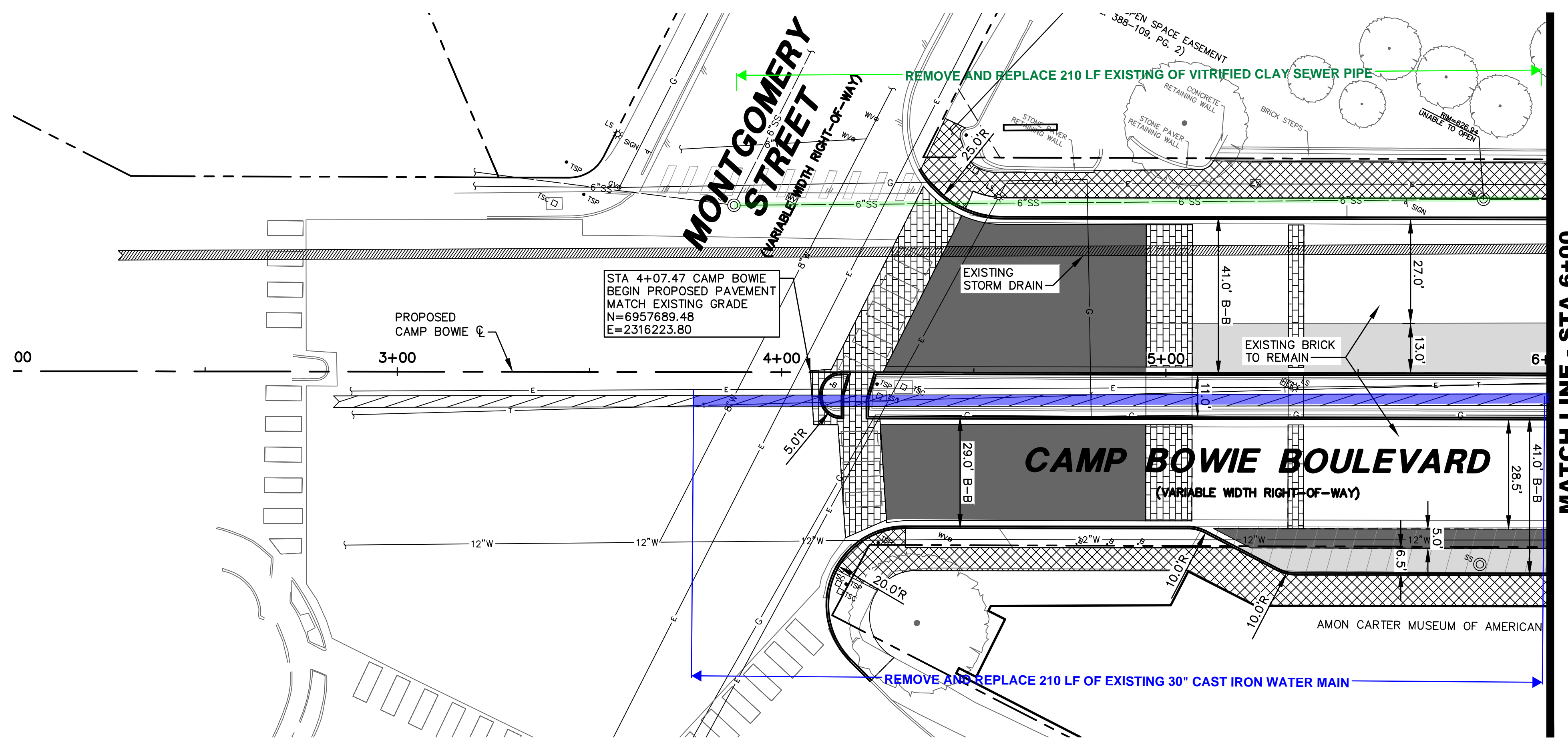
**Pacheco Koch**  
 a Westwood company  
 4860 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**DEMOLITION PLAN**  
**STA 26+00 TO END**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>9</b>

CTL/CFTS  
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



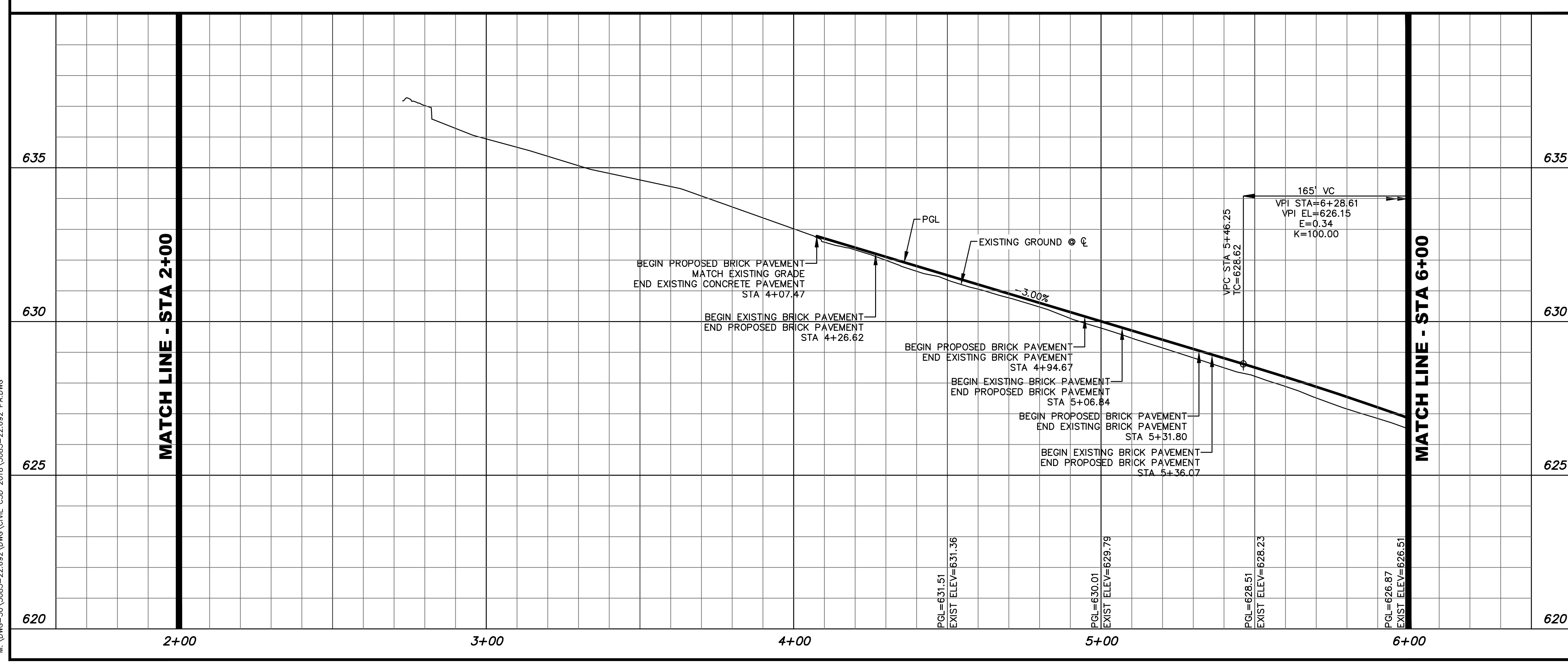
**LEGEND**

B	BOLLARD	TEL	TELEPHONE BOX
CB	CLEANOUT	TSC	TRAFFIC SIGNAL CONTROL
CV	CABLE VAULT	TSP	TRAFFIC SIGNAL POLE
ELEC	ELECTRIC BOX	TV	TELEPHONE VAULT
EV	ELECTRIC VAULT	STM	STORM SEWER MANHOLE
ELEC	UG ELECTRIC MARKER	TEL	TELEPHONE MANHOLE
FD	FIRE DEPT. CONN.	VAULT	VAULT (TYPE UNKNOWN)
PH	FIRE HYDRANT	WM	WATER METER
FL	FLOOD LIGHT	WMH	WATER MANHOLE
FO	FIBER OPTIC VAULT	WV	WATER VAULT
GAS	GAS MANHOLE	WV	WATER VALVE
GMB	GAS METER	---	PROPERTY LINE
GTO	GREASE TRAP	---	EASEMENT LINE
GV	GAS VALVE	---	SETBACK LINE
HH	HAND HOLE (UNKNOWN)	---	SURVEY ABSTRACT LINE
HE	HAND HOLE ELECTRIC	---	FENCE
HT	HAND HOLE TELEPHONE	---	UNDERGROUND ELECTRIC LINE
LS	LIGHT STANDARD	---	UNDERGROUND TELEPHONE LINE
MH	MANHOLE (UNKNOWN)	---	UNDERGROUND CABLE LINE
PBE	PULL BOX ELECTRIC	---	UNDERGROUND FIBER OPTIC LINE
PBC	PULL BOX CABLE	---	UNDERGROUND GAS LINE
PBF	PULL BOX FIBER OPTIC	---	STORM DRAIN LINE
PBT	PULL BOX TELEPHONE	---	WATER LINE
SS	TRAFFIC SIGN	---	SANITARY SEWER LINE
SM	SAN. SEWER MANHOLE	---	EXIST CONTOUR

	PROPOSED BRICK ROADWAY
	PROPOSED CONCRETE PAVEMENT
	PROPOSED STAMPED CONCRETE PAVEMENT
	PROPOSED SIDEWALK

- NOTES:
- EXISTING BRICK ROADWAY TO REMAIN
  - ADJUST WATER VALVES TO GRADE
  - REMOVE AND REPLACE EXISTING SIGNS

**PRELIMINARY**  
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NO.	DATE	REVISION

**Pacheco Koch**  
 a Westwood company  
 4869 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

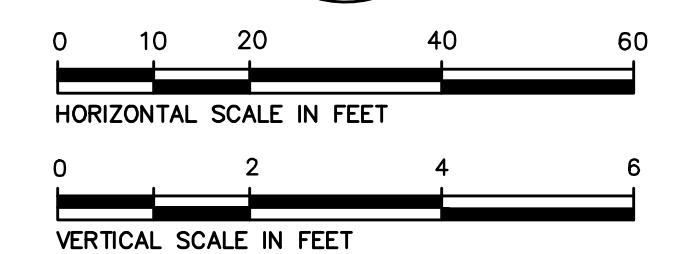
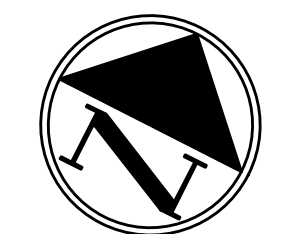
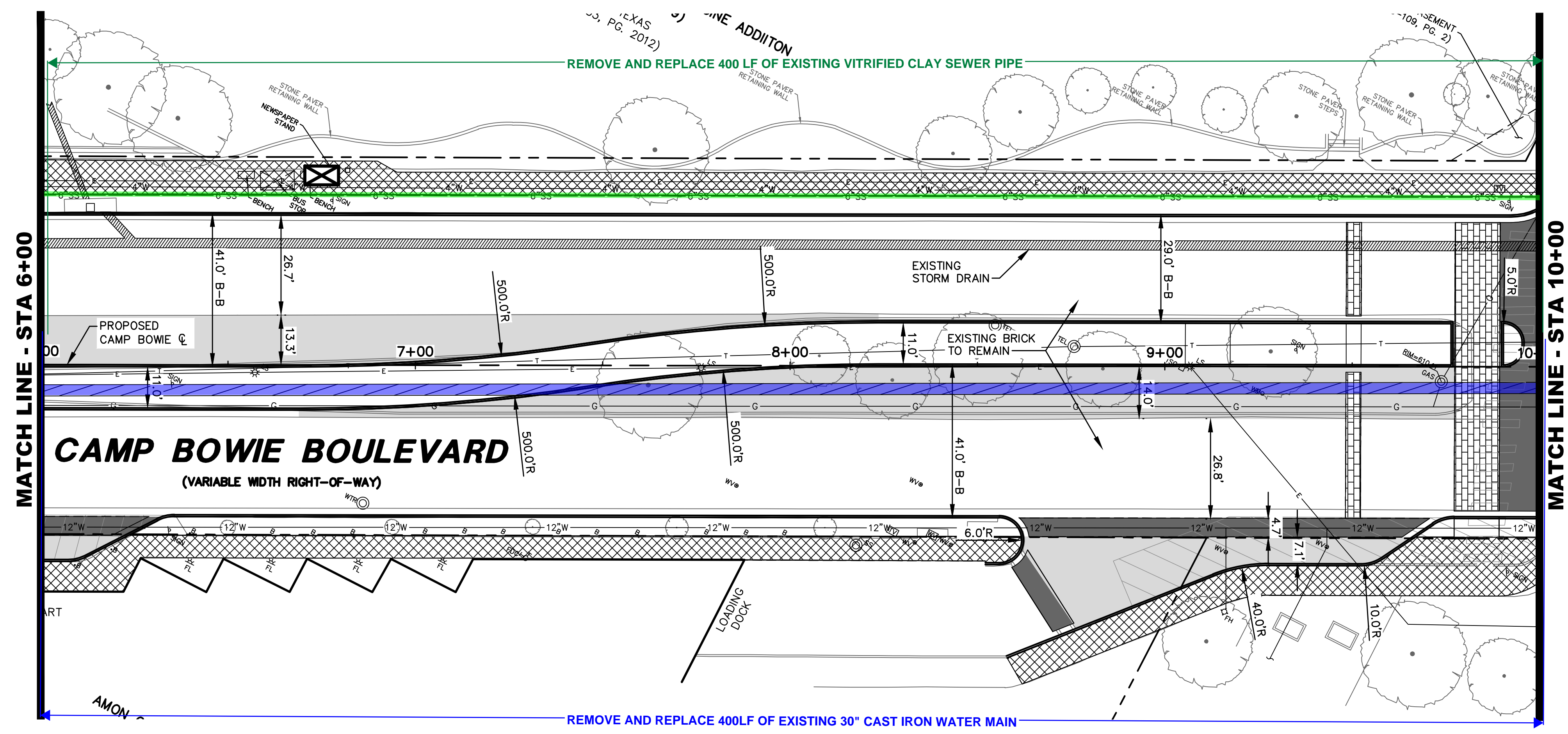
**PAVING PLAN & PROFILE**  
**STA 2+00 TO STA 6+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	10

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

REMOVE AND REPLACE 400 LF OF EXISTING VITRIFIED CLAY SEWER PIPE



LEGEND

- B = BOLLARD
- CB = CLEANOUT
- CV = CABLE VAULT
- ELEC = ELECTRIC BOX
- EV = ELECTRIC VAULT
- ELEC-UG = UG ELECTRIC MARKER
- FD = FIRE DEPT. CONN.
- PH = FIRE HYDRANT
- FL = FLOOD LIGHT
- FO = FIBER OPTIC VAULT
- GM = GAS MANHOLE
- GMB = GAS METER
- GT = GREASE TRAP
- GV = GAS VALVE
- HH = HAND HOLE (UNKNOWN)
- HE = HAND HOLE ELECTRIC
- HT = HAND HOLE TELEPHONE
- LS = LIGHT STANDARD
- MH = MANHOLE (UNKNOWN)
- PBE = PULL BOX ELECTRIC
- PBC = PULL BOX CABLE
- PBF = PULL BOX FIBER OPTIC
- PBT = PULL BOX TELEPHONE
- SN = TRAFFIC SIGN
- SM = SAN. SEWER MANHOLE
- TEL = TELEPHONE BOX
- TSC = TRAFFIC SIGNAL CONTROL
- TSP = TRAFFIC SIGNAL POLE
- TV = TELEPHONE VAULT
- STM = STORM SEWER MANHOLE
- TMH = TELEPHONE MANHOLE
- VA = VAULT (TYPE UNKNOWN)
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VALVE
- WL = WATER LINE
- WV = WATER VALVE
- PL = PROPERTY LINE
- EL = EASEMENT LINE
- SL = SETBACK LINE
- SA = SURVEY ABSTRACT LINE
- F = FENCE
- UE = UNDERGROUND ELECTRIC LINE
- UT = UNDERGROUND TELEPHONE LINE
- UC = UNDERGROUND CABLE LINE
- UF = UNDERGROUND FIBER OPTIC LINE
- UG = UNDERGROUND GAS LINE
- SD = STORM DRAIN LINE
- W = WATER LINE
- SS = SANITARY SEWER LINE
- 615 = EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

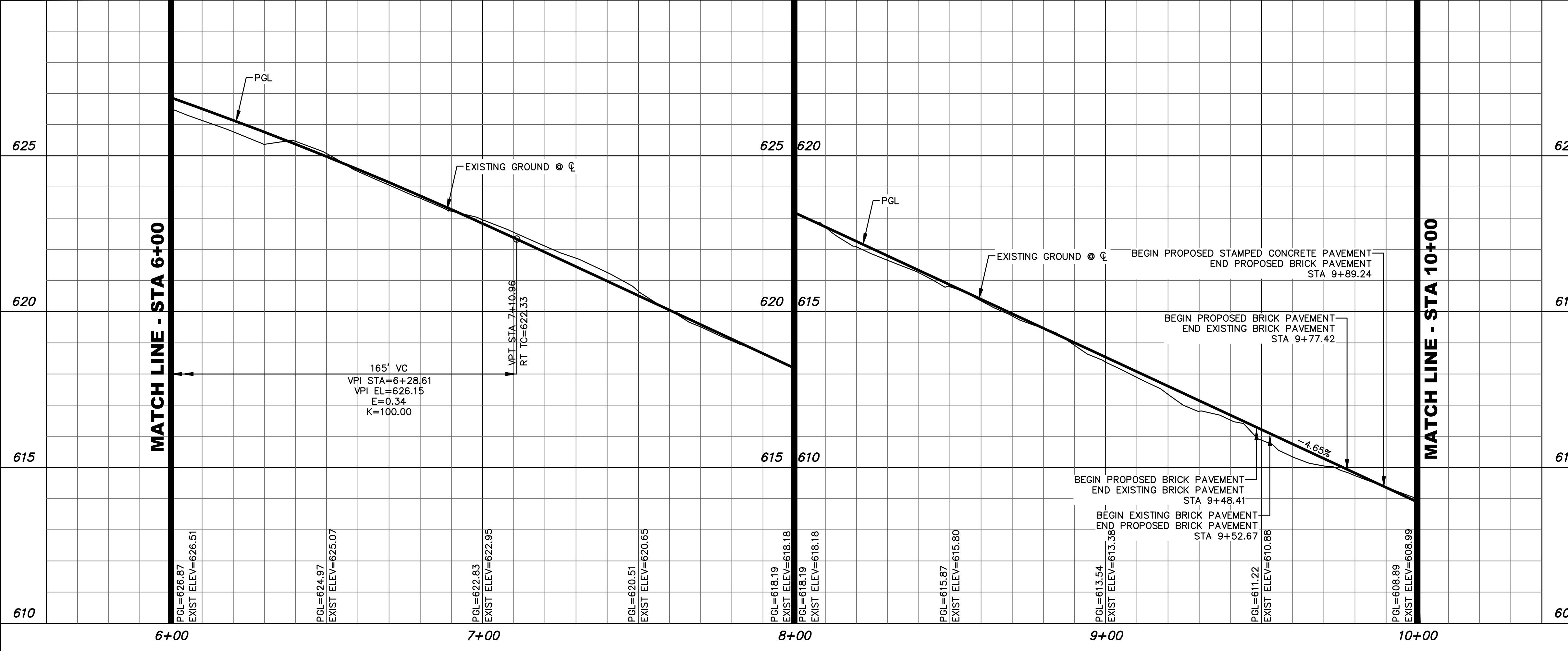
- NOTES:
- EXISTING BRICK ROADWAY TO REMAIN
  - ADJUST WATER VALVES TO GRADE
  - REMOVE AND REPLACE EXISTING SIGNS

**PRELIMINARY**  
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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

NO.	DATE	REVISION
4860 BRYANT IRVIN ROAD FORT WORTH, TX 76109 817.412.7155 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008001		

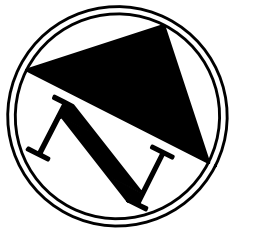
**PAVING PLAN & PROFILE**  
**STA 6+00 TO STA 10+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	11



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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**LEGEND**

- B+ BOLLARD
- CB+ CLEANOUT
- CV+ CABLE VAULT
- ELEC+ ELECTRIC BOX
- EV+ ELECTRIC VAULT
- ELEC- UG ELECTRIC MARKER
- FD+ FIRE DEPT. CONN.
- PH+ FIRE HYDRANT
- FL+ FLOOD LIGHT
- FO+ FIBER OPTIC VAULT
- GM+ GAS MANHOLE
- GMB+ GAS METER
- GTO+ GREASE TRAP
- GV+ GAS VALVE
- HH+ HAND HOLE (UNKNOWN)
- HE+ HAND HOLE ELECTRIC
- HC+ HAND HOLE CABLE
- HT+ HAND HOLE TELEPHONE
- LS+ LIGHT STANDARD
- MH+ MANHOLE (UNKNOWN)
- PBE+ PULL BOX ELECTRIC
- PBC+ PULL BOX CABLE
- PBF+ PULL BOX FIBER OPTIC
- PBT+ PULL BOX TELEPHONE
- SN+ TRAFFIC SIGN
- SS+ SAN. SEWER MANHOLE
- TEL+ TELEPHONE BOX
- TSC+ TRAFFIC SIGNAL CONTROL
- TSP+ TRAFFIC SIGNAL POLE
- TV+ TELEPHONE VAULT
- STM+ STORM SEWER MANHOLE
- TEL- TELEPHONE MANHOLE
- VA+ VAULT (TYPE UNKNOWN)
- WM+ WATER METER
- WMH+ WATER MANHOLE
- WV+ WATER VALVE
- WV- WATER VALVE
- PL+ PROPERTY LINE
- EL+ EASEMENT LINE
- SL+ SETBACK LINE
- SA+ SURVEY ABSTRACT LINE
- F+ FENCE
- UE+ UNDERGROUND ELECTRIC LINE
- UC+ UNDERGROUND CABLE LINE
- UF+ UNDERGROUND FIBER OPTIC LINE
- UG+ UNDERGROUND GAS LINE
- SD+ STORM DRAIN LINE
- W+ WATER LINE
- SS- SANITARY SEWER LINE
- CL+ EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

- NOTES:
1. EXISTING BRICK ROADWAY TO REMAIN
  2. ADJUST WATER VALVES TO GRADE
  3. REMOVE AND REPLACE EXISTING SIGNS

**PRELIMINARY**  
NOT FOR CONSTRUCTION

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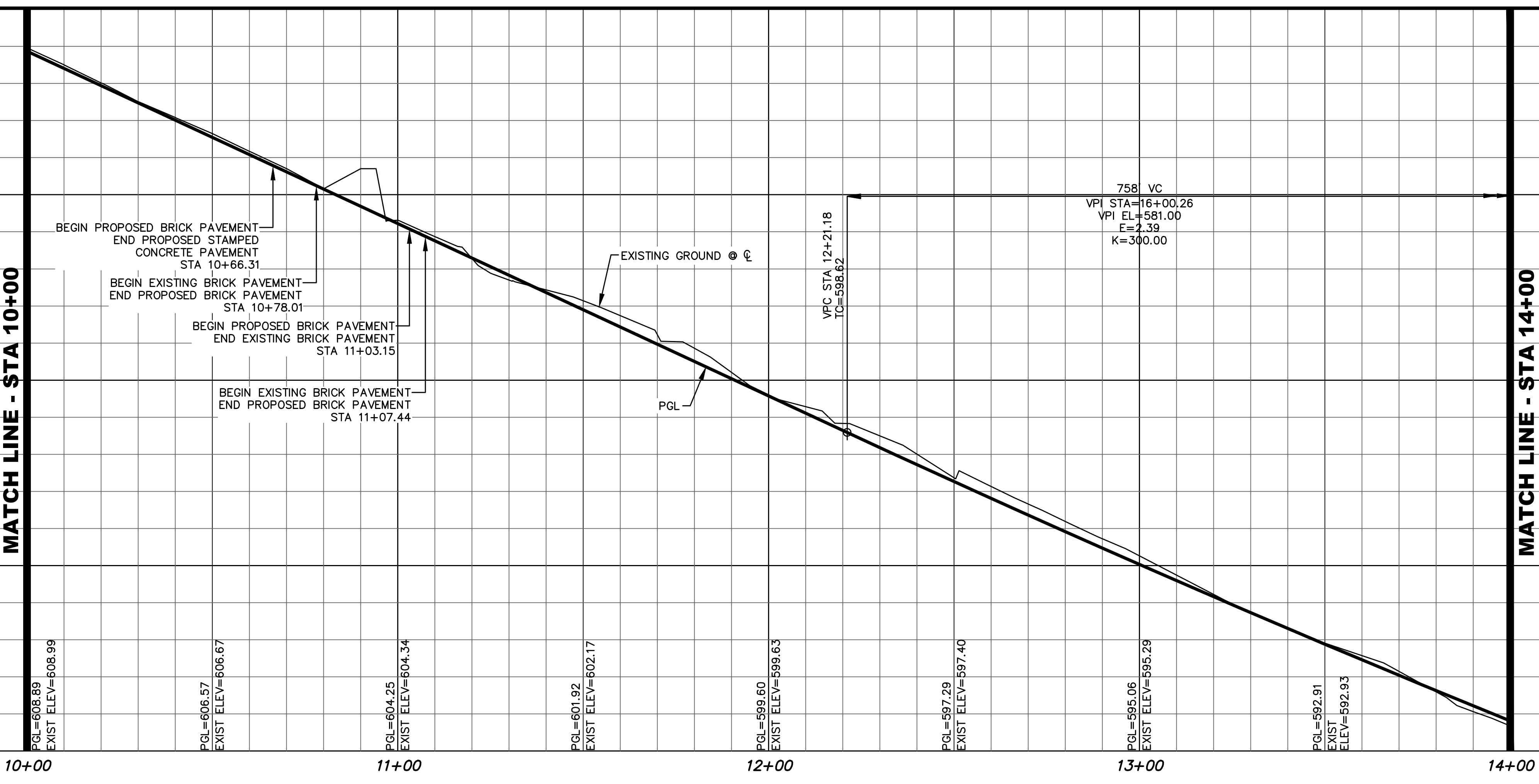
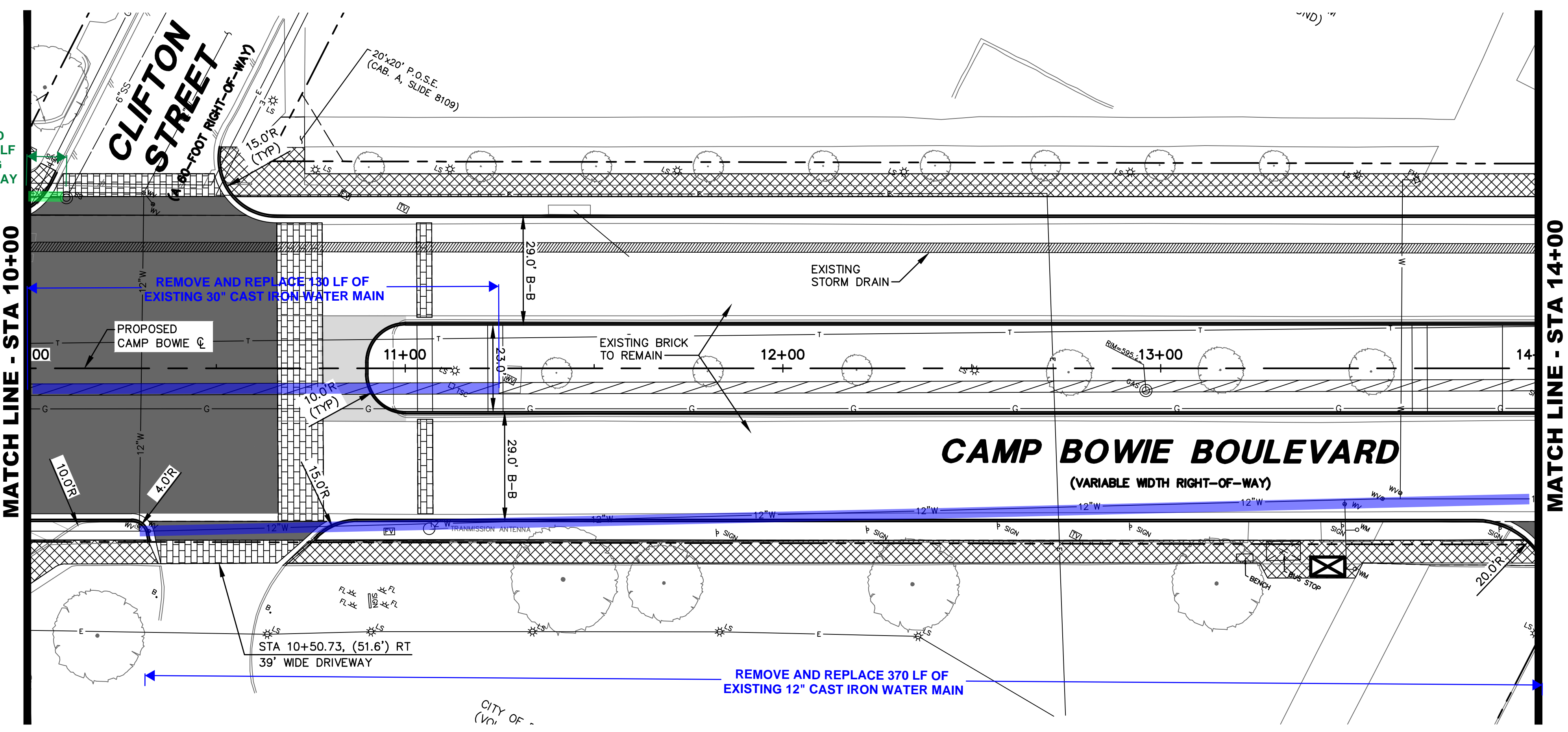
PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
TEXAS REGISTRATION NO. 81821  
DATE: 7/11/2023

NO.	DATE	REVISION
<b>Pacheco Koch</b> a Westwood company		
4869 BRYANT IRVIN ROAD FORT WORTH, TX 76109 817.412.7155 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008001		

**PAVING PLAN & PROFILE**  
**STA 10+00 TO STA 14+00**

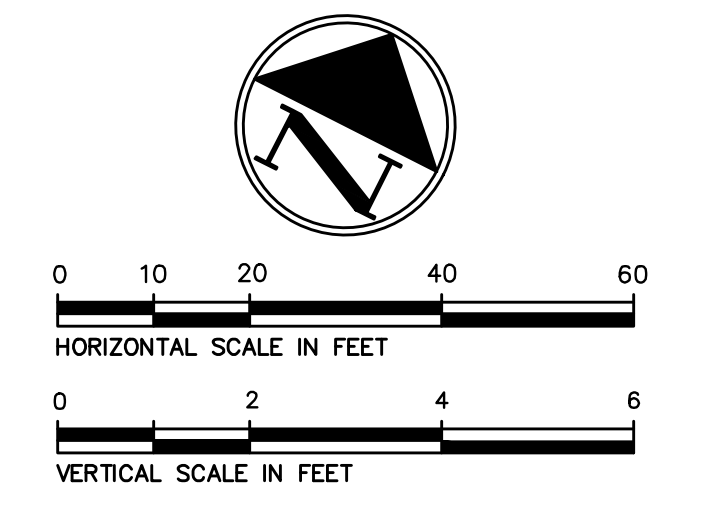
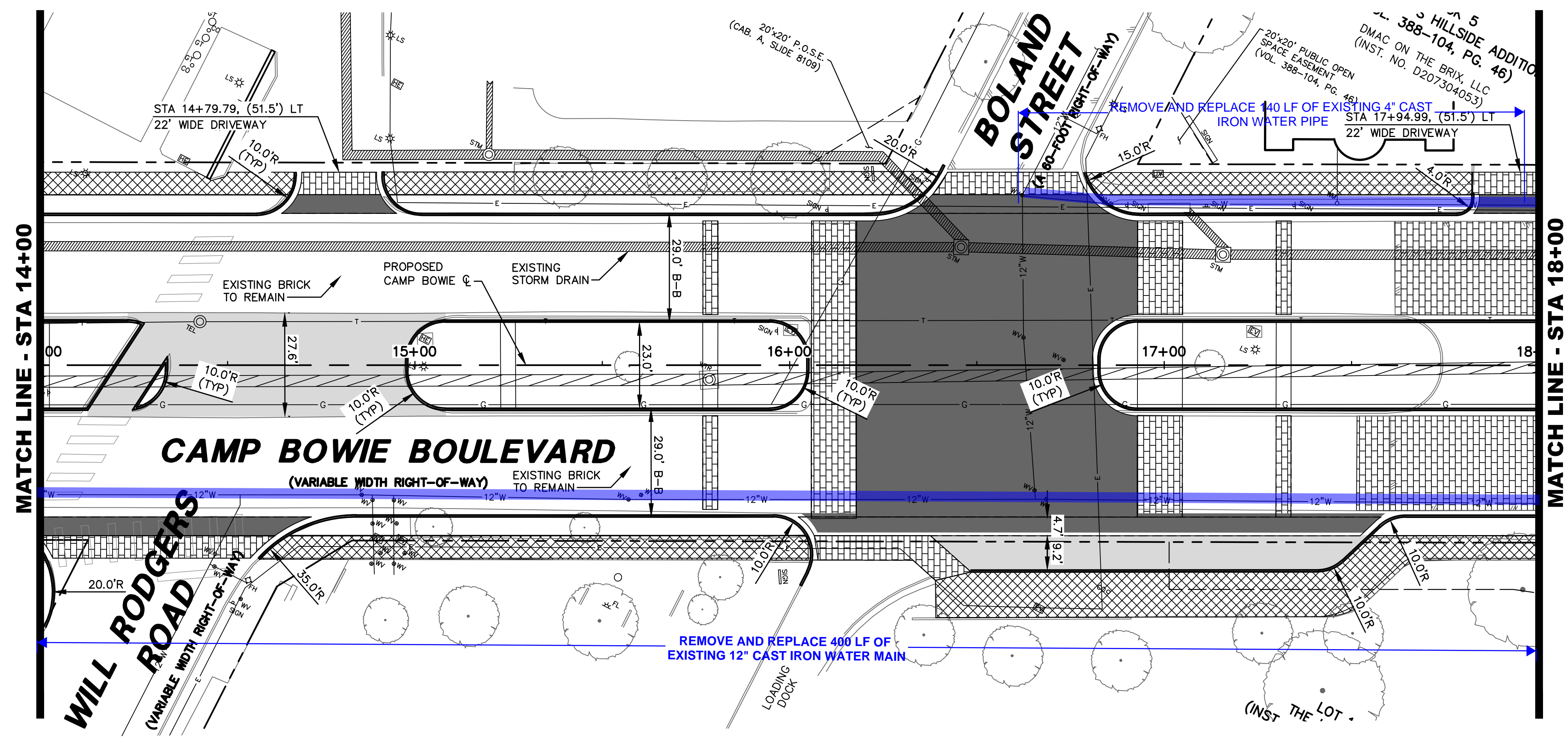
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>12</b>



CTL\FTS  
 07/11/2023 - 11:02AM  
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**LEGEND**

B	BOLLARD	TEL	TELEPHONE BOX
CB	CLEANOUT	TSCD	TRAFFIC SIGNAL CONTROL
CV	CABLE VAULT	TSP	TRAFFIC SIGNAL POLE
ELEC	ELECTRIC BOX	TV	TELEPHONE VAULT
EV	ELECTRIC VAULT	STM	STORM SEWER MANHOLE
ELEC	UG ELECTRIC MARKER	TEL	TELEPHONE MANHOLE
FD	FIRE DEPT. CONN.	VAULT	VAULT (TYPE UNKNOWN)
FR	FIRE HYDRANT	WM	WATER METER
FL	FLOOD LIGHT	WMH	WATER MANHOLE
FO	FIBER OPTIC VAULT	WV	WATER VAULT
GM	GAS MANHOLE	WV	WATER VALVE
GM	GAS METER	---	PROPERTY LINE
GT	GREASE TRAP	---	EASEMENT LINE
GV	GAS VALVE	---	SETBACK LINE
HH	HAND HOLE (UNKNOWN)	---	SURVEY ABSTRACT LINE
HE	HAND HOLE ELECTRIC	---	FENCE
HT	HAND HOLE TELEPHONE	---	UNDERGROUND ELECTRIC LINE
LS	LIGHT STANDARD	---	UNDERGROUND TELEPHONE LINE
MH	MANHOLE (UNKNOWN)	---	UNDERGROUND CABLE LINE
PB	PULL BOX ELECTRIC	---	UNDERGROUND FIBER OPTIC LINE
PB	PULL BOX CABLE	---	UNDERGROUND GAS LINE
PB	PULL BOX FIBER OPTIC	---	STORM DRAIN LINE
PB	PULL BOX TELEPHONE	---	WATER LINE
SS	SAN. SEWER MANHOLE	---	SANITARY SEWER LINE
---	---	---	EXIST CONTOUR

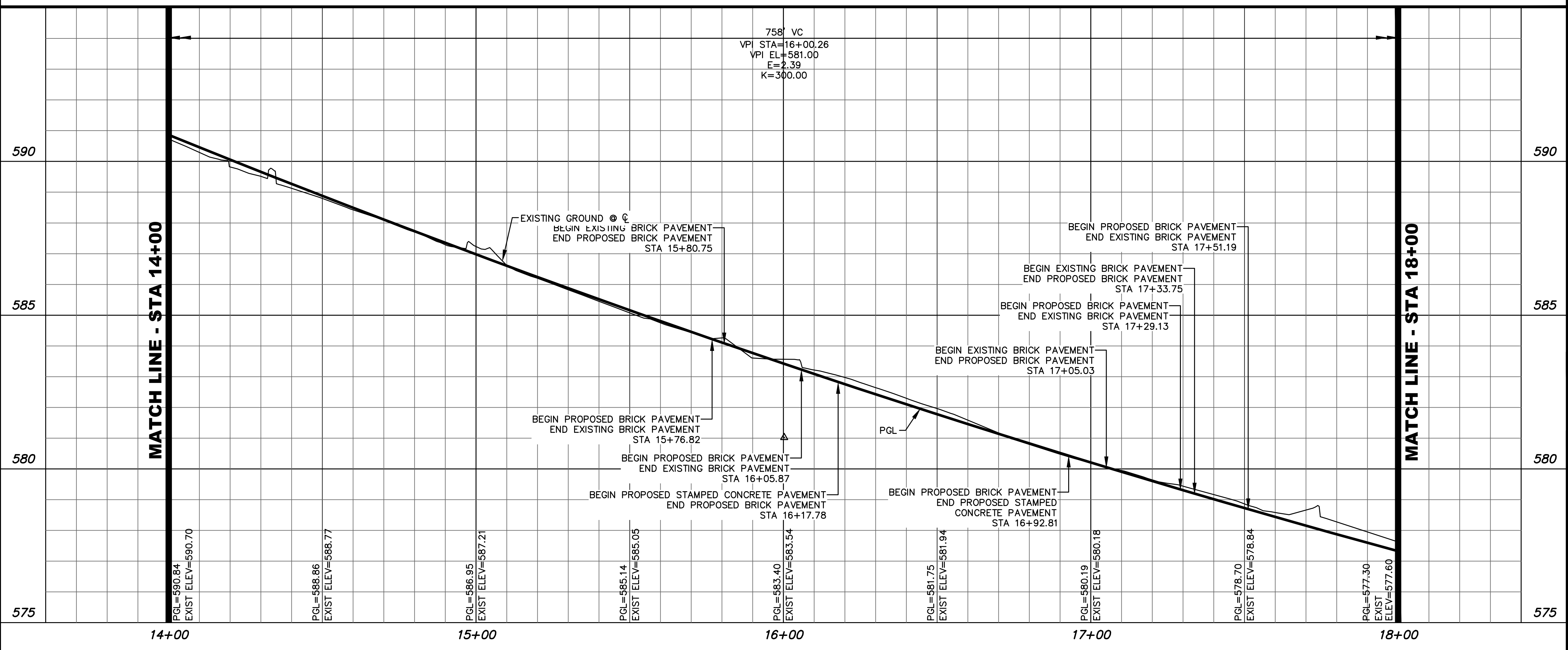
- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

- NOTES:
- EXISTING BRICK ROADWAY TO REMAIN
  - ADJUST WATER VALVES TO GRADE
  - REMOVE AND REPLACE EXISTING SIGNS

**PRELIMINARY**  
NOT FOR CONSTRUCTION

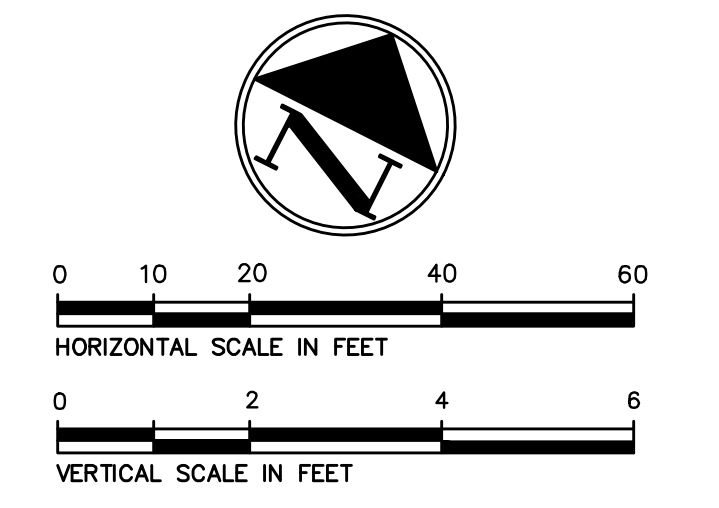
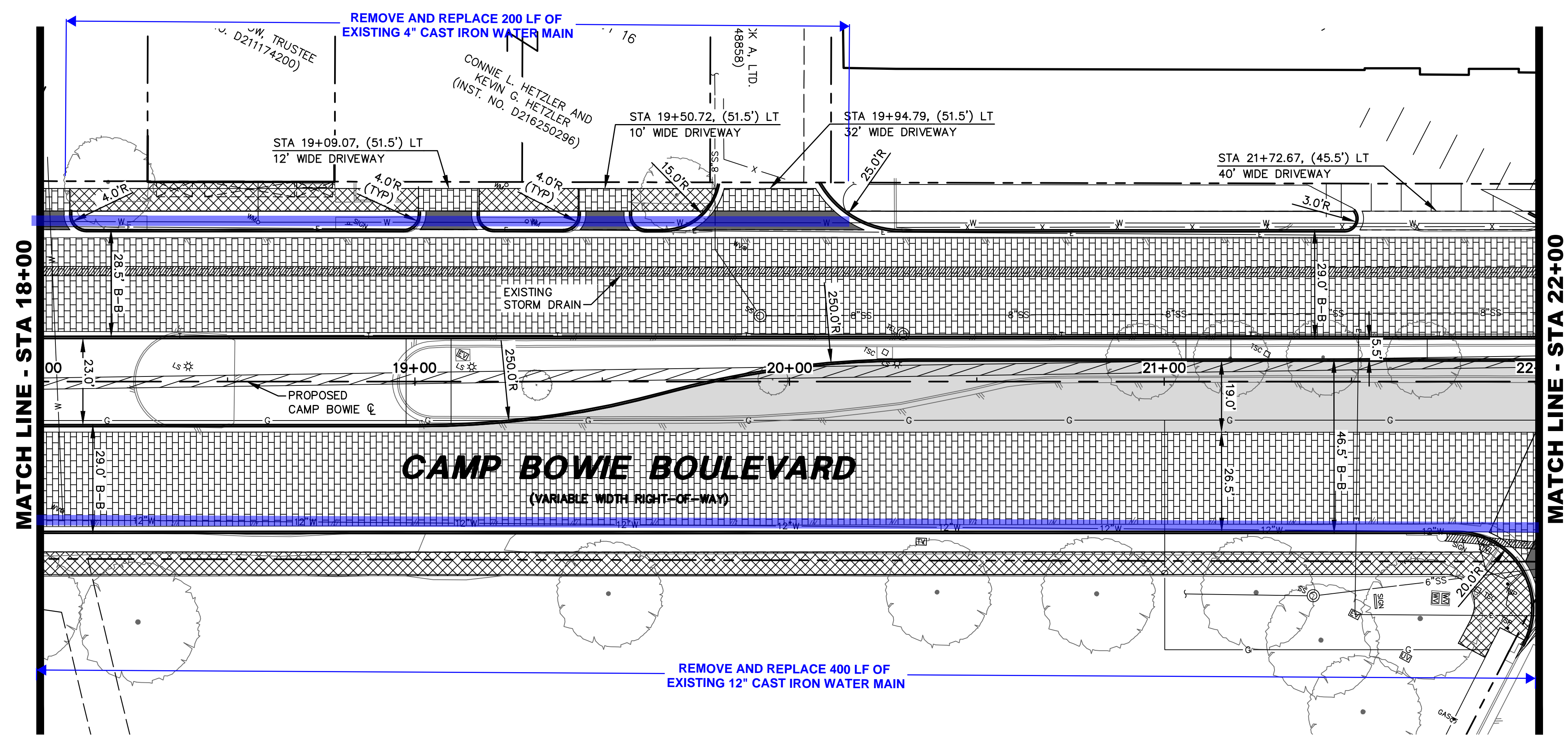
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PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
TEXAS REGISTRATION NO. 81821  
DATE: 7/11/2023



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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



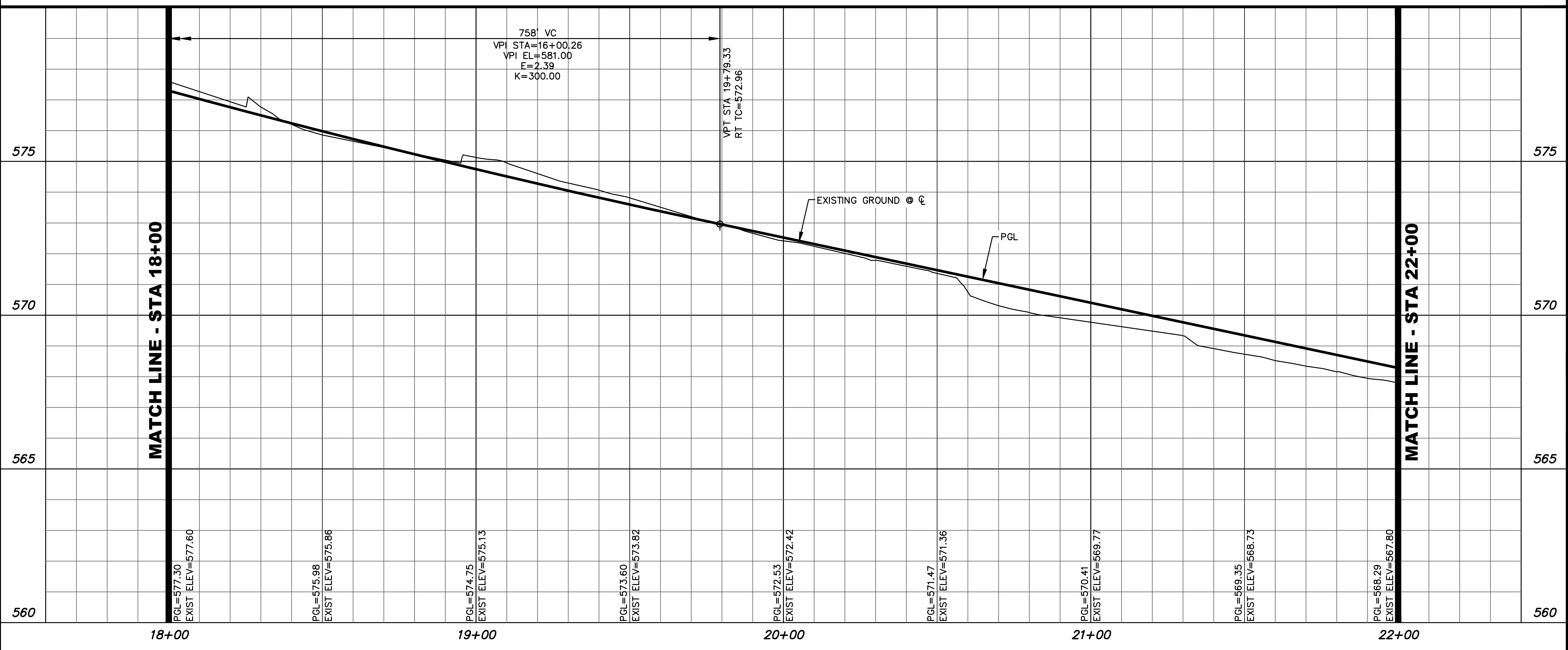
**LEGEND**

B = BOLLARD	TEL = TELEPHONE BOX
CB = CLEANOUT	TSCD = TRAFFIC SIGNAL CONTROL
CV = CABLE VAULT	TSP = TRAFFIC SIGNAL POLE
ELEC = ELECTRIC BOX	TM = TELEPHONE VAULT
EV = ELECTRIC VAULT	STM = STORM SEWER MANHOLE
ELEC = UG ELECTRIC MARKER	TEL = TELEPHONE MANHOLE
FD = FIRE DEPT. CONN.	V = VAULT (TYPE UNKNOWN)
PH = FIRE HYDRANT	WM = WATER METER
FL = FLOOD LIGHT	WMH = WATER MANHOLE
FO = FIBER OPTIC VAULT	WV = WATER VALVE
GM = GAS MANHOLE	WV = WATER VALVE
GM = GAS METER	--- = PROPERTY LINE
GT = GREASE TRAP	--- = EASEMENT LINE
GV = GAS VALVE	--- = SETBACK LINE
HH = HAND HOLE (UNKNOWN)	--- = SURVEY ABSTRACT LINE
HE = HAND HOLE ELECTRIC	--- = FENCE
HT = HAND HOLE TELEPHONE	--- = UNDERGROUND ELECTRIC LINE
LS = LIGHT STANDARD	--- = UNDERGROUND TELEPHONE LINE
MH = MANHOLE (UNKNOWN)	--- = UNDERGROUND CABLE LINE
PE = PULL BOX ELECTRIC	--- = UNDERGROUND FIBER OPTIC LINE
PC = PULL BOX CABLE	--- = UNDERGROUND GAS LINE
PF = PULL BOX FIBER OPTIC	--- = STORM DRAIN LINE
PT = PULL BOX TELEPHONE	--- = WATER LINE
SG = TRAFFIC SIGN	--- = SANITARY SEWER LINE
SS = SAN. SEWER MANHOLE	--- = EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

- NOTES:
- EXISTING BRICK ROADWAY TO REMAIN
  - ADJUST WATER VALVES TO GRADE
  - REMOVE AND REPLACE EXISTING SIGNS

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 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023



NO.	DATE	REVISION

**Pacheco Koch**  
 a Westwood company

4869 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

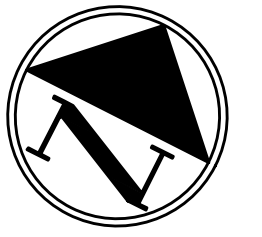
**PAVING PLAN & PROFILE**  
**STA 18+00 TO STA 22+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	14

CTL/CFTS  
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**LEGEND**

- B = BOLLARD
- CB = CLEANOUT
- CV = CABLE VAULT
- ELEC □ = ELECTRIC BOX
- ELEC ○ = ELECTRIC VAULT
- UG ELEC = UG ELECTRIC MARKER
- FD = FIRE DEPT. CONN.
- PH = FIRE HYDRANT
- FL = FLOOD LIGHT
- FO = FIBER OPTIC VAULT
- GM = GAS MANHOLE
- GM = GAS METER
- GT = GREASE TRAP
- GV = GAS VALVE
- HH = HAND HOLE (UNKNOWN)
- HE = HAND HOLE ELECTRIC
- HC = HAND HOLE CABLE
- HT = HAND HOLE TELEPHONE
- LS = LIGHT STANDARD
- MH = MANHOLE (UNKNOWN)
- PE = PULL BOX ELECTRIC
- PC = PULL BOX CABLE
- PF = PULL BOX FIBER OPTIC
- PT = PULL BOX TELEPHONE
- SN = TRAFFIC SIGN
- SM = SAN. SEWER MANHOLE
- TEL □ = TELEPHONE BOX
- TSCD = TRAFFIC SIGNAL CONTROL
- TSP = TRAFFIC SIGNAL POLE
- TV = TELEPHONE VAULT
- STM = STORM SEWER MANHOLE
- TMH = TELEPHONE MANHOLE
- VAULT = VAULT (TYPE UNKNOWN)
- WM = WATER METER
- WMH = WATER MANHOLE
- WV = WATER VALVE
- WV = WATER VALVE
- = PROPERTY LINE
- = EASEMENT LINE
- = SETBACK LINE
- = SURVEY ABSTRACT LINE
- X- = FENCE
- E- = UNDERGROUND ELECTRIC LINE
- T- = UNDERGROUND TELEPHONE LINE
- C- = UNDERGROUND CABLE LINE
- F- = UNDERGROUND FIBER OPTIC LINE
- G- = UNDERGROUND GAS LINE
- SD- = STORM DRAIN LINE
- W- = WATER LINE
- SS- = SANITARY SEWER LINE
- 615- = EXIST CONTOUR

- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

- NOTES:
1. EXISTING BRICK ROADWAY TO REMAIN
  2. ADJUST WATER VALVES TO GRADE
  3. REMOVE AND REPLACE EXISTING SIGNS

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TEXAS REGISTRATION NO. 81821  
DATE: 7/11/2023

NO.	DATE	REVISION

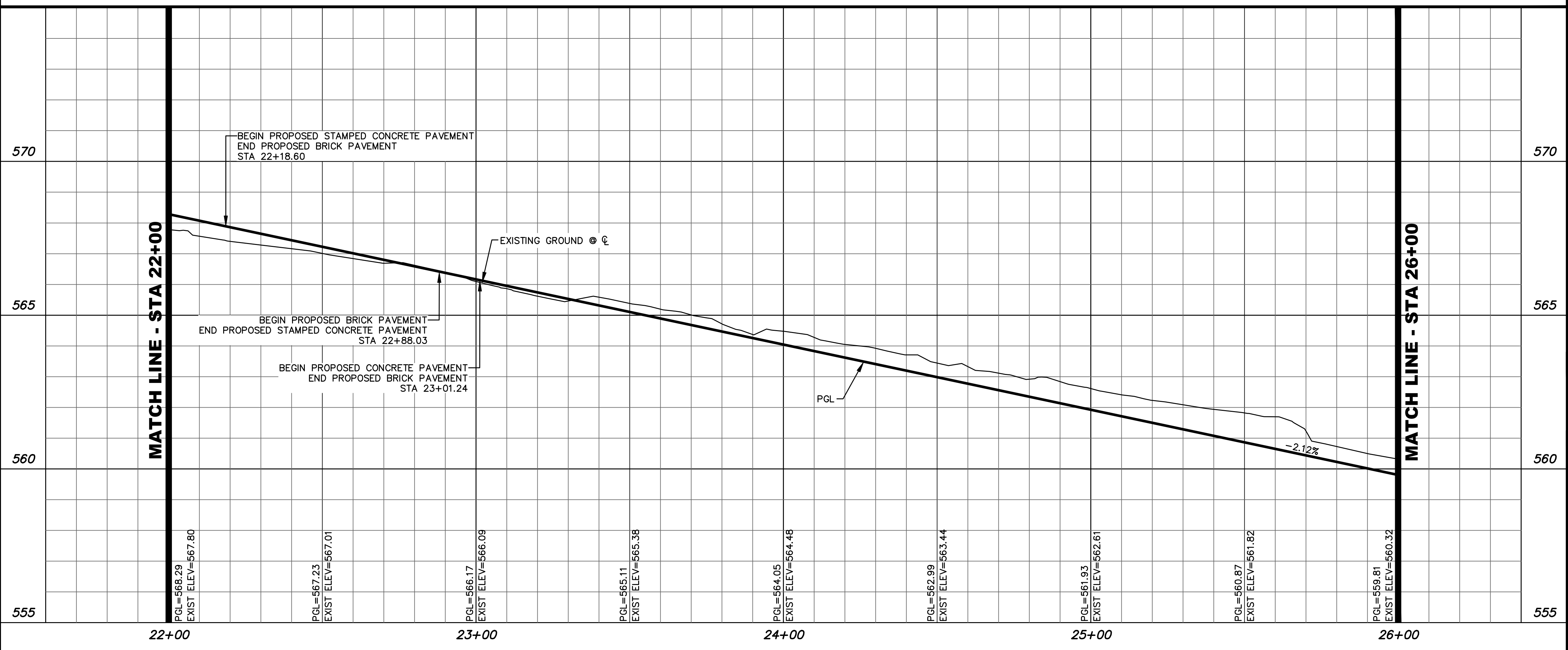
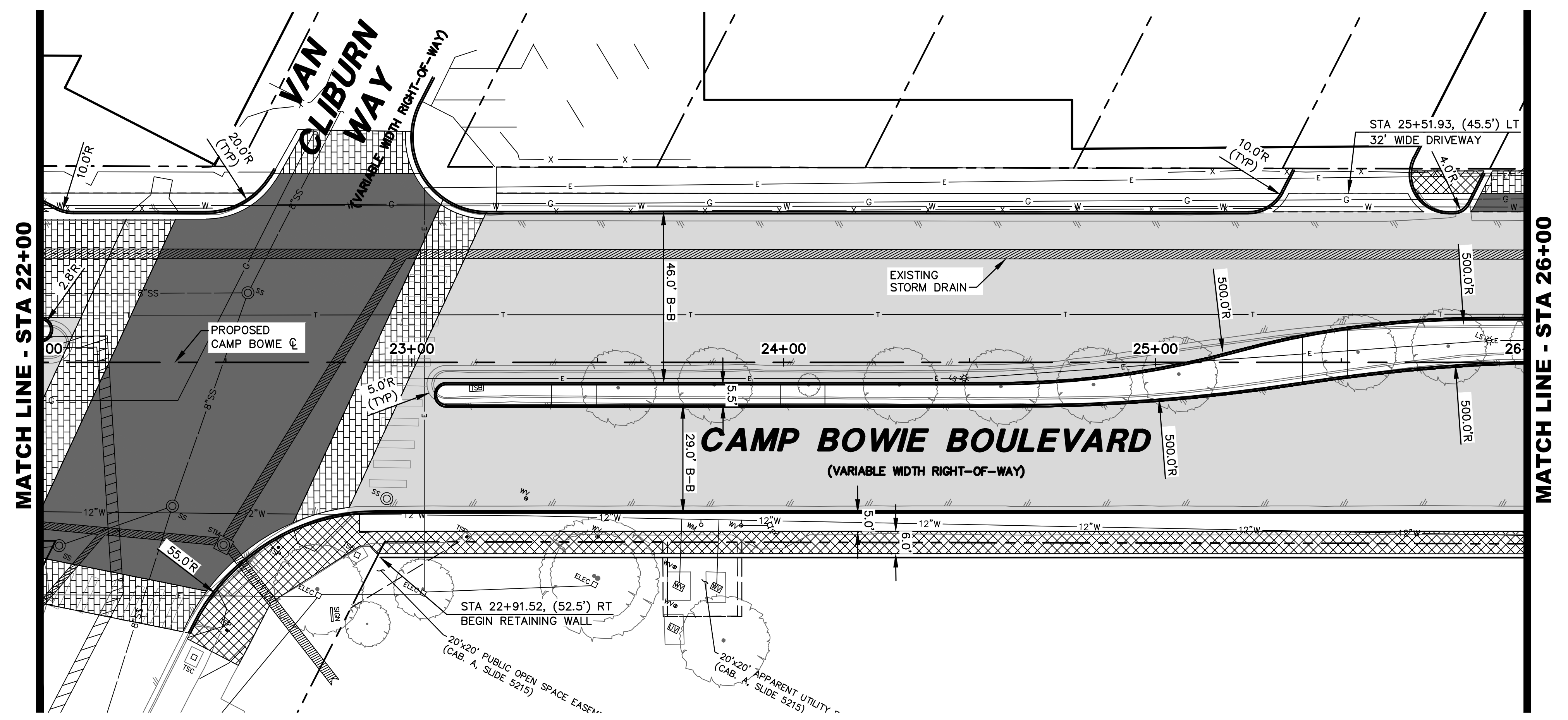
**Pacheco Koch**  
a Westwood company

4869 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

**PAVING PLAN & PROFILE**  
**STA 22+00 TO STA 26+00**

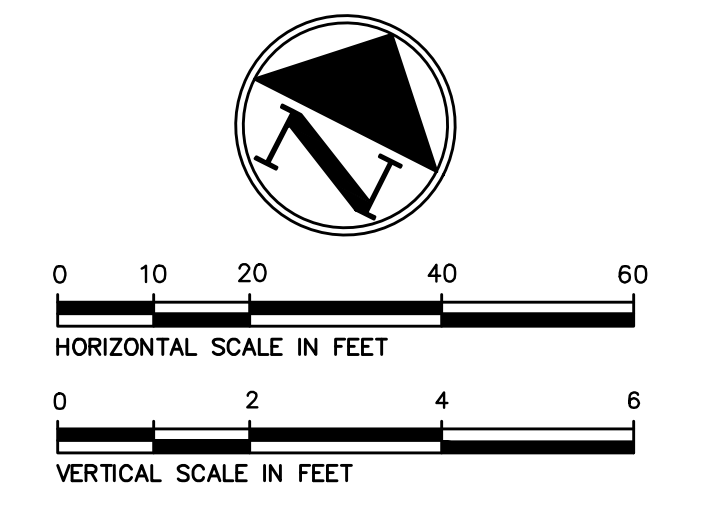
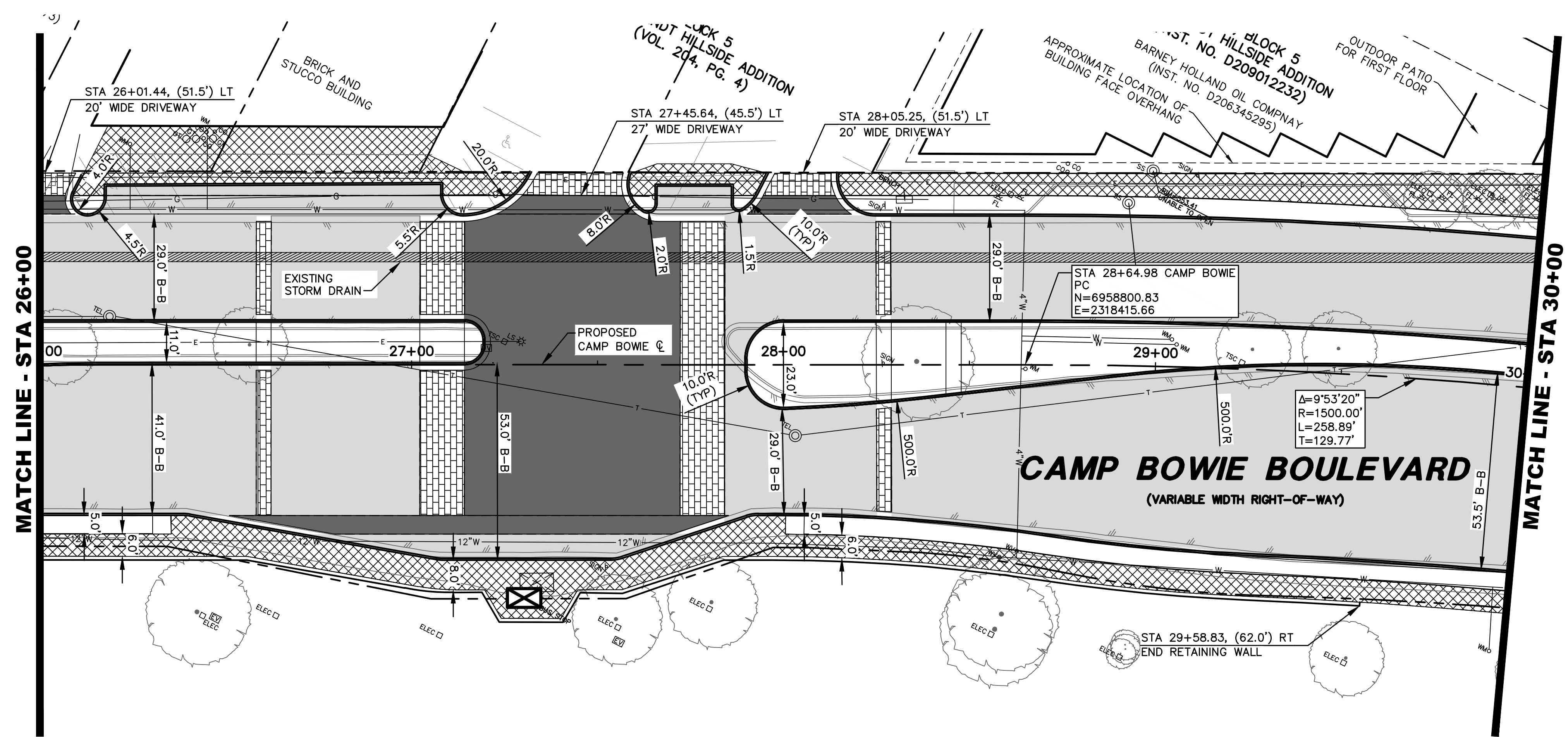
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>15</b>



CTL/CTS  
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



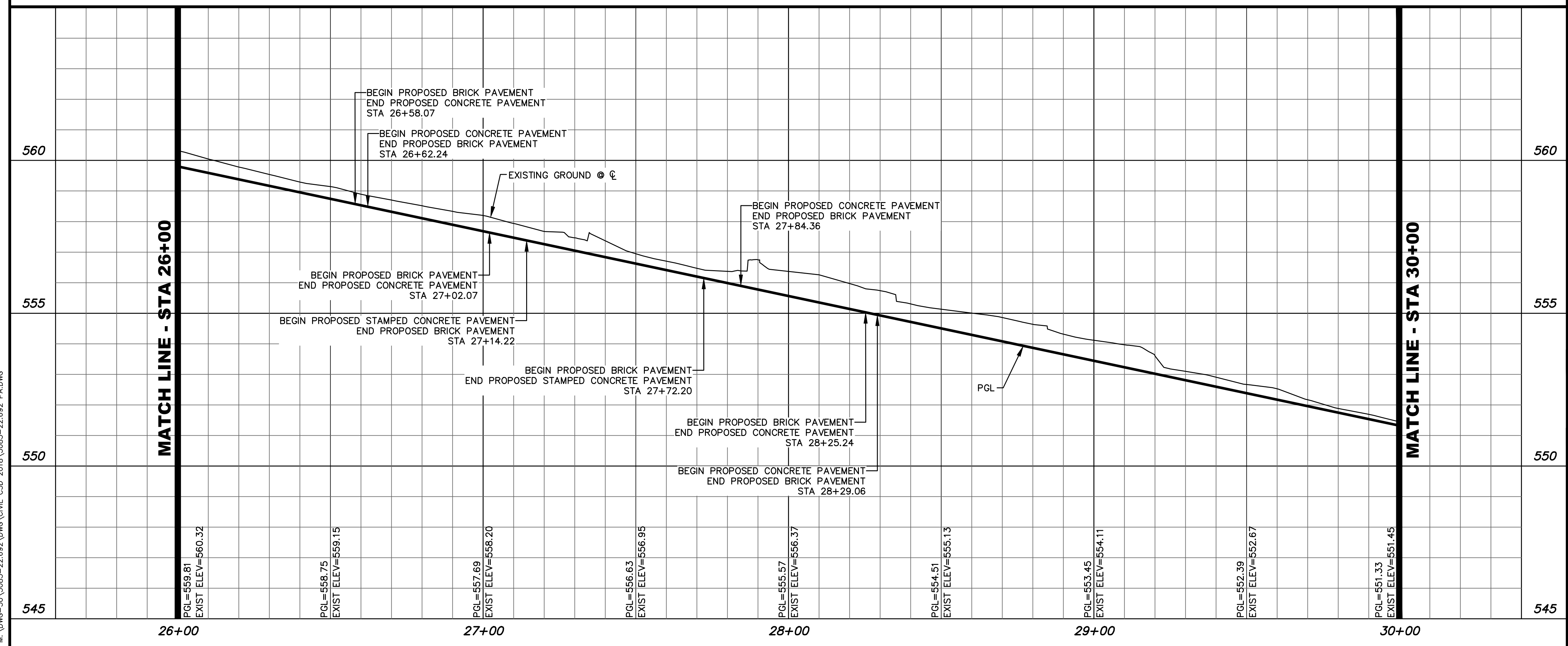
**LEGEND**

B	BOLLARD	TEL	TELEPHONE BOX
CB	CLEANOUT	TSC	TRAFFIC SIGNAL CONTROL
CV	CABLE VAULT	TSP	TRAFFIC SIGNAL POLE
ELEC	ELECTRIC BOX	TV	TELEPHONE VAULT
EV	ELECTRIC VAULT	STM	STORM SEWER MANHOLE
ELEC	UG ELECTRIC MARKER	TEL	TELEPHONE MANHOLE
FD	FIRE DEPT. CONN.	VAULT	VAULT (TYPE UNKNOWN)
PH	FIRE HYDRANT	WM	WATER METER
FL	FLOOD LIGHT	WMH	WATER MANHOLE
FO	FIBER OPTIC VAULT	WV	WATER VAULT
GM	GAS MANHOLE	WV	WATER VALVE
GM	GAS METER	---	PROPERTY LINE
GTR	GREASE TRAP	---	EASEMENT LINE
GV	GAS VAULT	---	SETBACK LINE
GV	GAS VALVE	---	SURVEY ABSTRACT LINE
HH	HAND HOLE (UNKNOWN)	---	FENCE
HE	HAND HOLE ELECTRIC	---	UNDERGROUND ELECTRIC LINE
HC	HAND HOLE CABLE	---	UNDERGROUND TELEPHONE LINE
HT	HAND HOLE TELEPHONE	---	UNDERGROUND CABLE LINE
LS	LIGHT STANDARD	---	UNDERGROUND FIBER OPTIC LINE
MH	MANHOLE (UNKNOWN)	---	UNDERGROUND GAS LINE
PE	PULL BOX ELECTRIC	---	WATER LINE
PC	PULL BOX CABLE	---	SANITARY SEWER LINE
PF	PULL BOX FIBER OPTIC	---	EXIST CONTOUR
PT	PULL BOX TELEPHONE		
SS	TRAFFIC SIGN		
SM	SAN. SEWER MANHOLE		

	PROPOSED BRICK ROADWAY
	PROPOSED CONCRETE PAVEMENT
	PROPOSED STAMPED CONCRETE PAVEMENT
	PROPOSED SIDEWALK

- NOTES:
- EXISTING BRICK ROADWAY TO REMAIN
  - ADJUST WATER VALVES TO GRADE
  - REMOVE AND REPLACE EXISTING SIGNS

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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023



NO.	DATE	REVISION

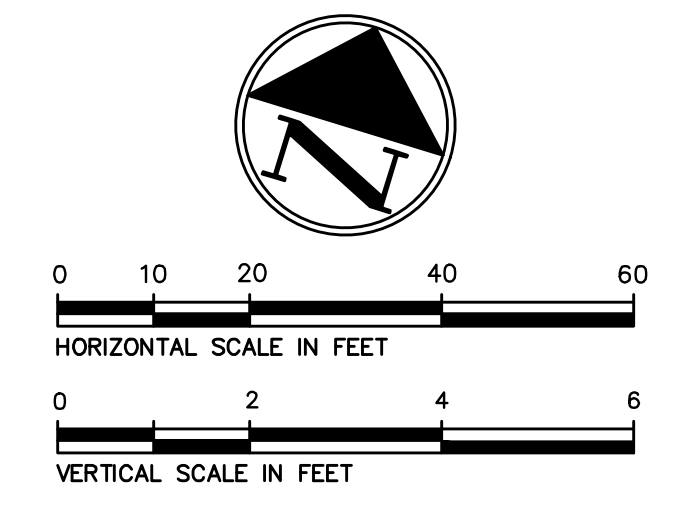
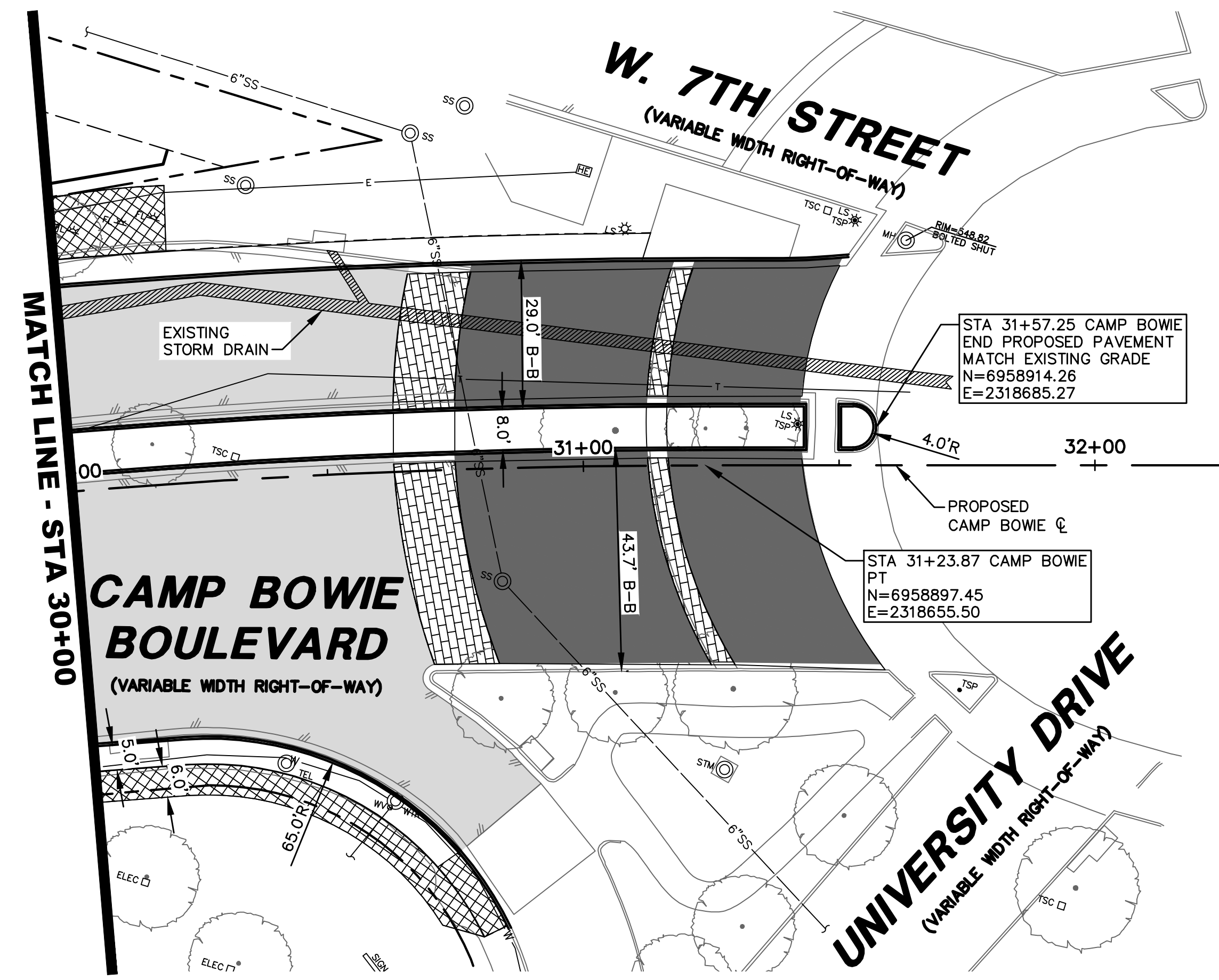
**Paving Plan & Profile**  
**STA 26+00 TO STA 30+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	16

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR





**LEGEND**

B	BOLLARD	TEL	TELEPHONE BOX
CD	CLEANOUT	TSCD	TRAFFIC SIGNAL CONTROL
CV	CABLE VAULT	TSP	TRAFFIC SIGNAL POLE
ELEC	ELECTRIC BOX	TV	TELEPHONE VAULT
EV	ELECTRIC VAULT	STM	STORM SEWER MANHOLE
ELEC	UG ELECTRIC MARKER	TEL	TELEPHONE MANHOLE
FD	FIRE DEPT. CONN.	TV	VAULT (TYPE UNKNOWN)
PH	FIRE HYDRANT	WM	WATER METER
FL	FLOOD LIGHT	WMH	WATER MANHOLE
FO	FIBER OPTIC VAULT	WV	WATER VAULT
GM	GAS MANHOLE	WV	WATER VALVE
GM	GAS METER	---	PROPERTY LINE
GT	GREASE TRAP	---	EASEMENT LINE
GV	GAS VALVE	---	SETBACK LINE
HH	HAND HOLE (UNKNOWN)	---	SURVEY ABSTRACT LINE
HE	HAND HOLE ELECTRIC	X	FENCE
HT	HAND HOLE TELEPHONE	E	UNDERGROUND ELECTRIC LINE
LS	LIGHT STANDARD	T	UNDERGROUND TELEPHONE LINE
MH	MANHOLE (UNKNOWN)	C	UNDERGROUND CABLE LINE
PC	PULL BOX CABLE	F	UNDERGROUND FIBER OPTIC LINE
PF	PULL BOX FIBER OPTIC	G	UNDERGROUND GAS LINE
PT	PULL BOX TELEPHONE	S	STORM DRAIN LINE
SS	TRAFFIC SIGN	W	WATER LINE
SM	SAN. SEWER MANHOLE	6"SS	SANITARY SEWER LINE
		-61.5	EXIST CONTOUR

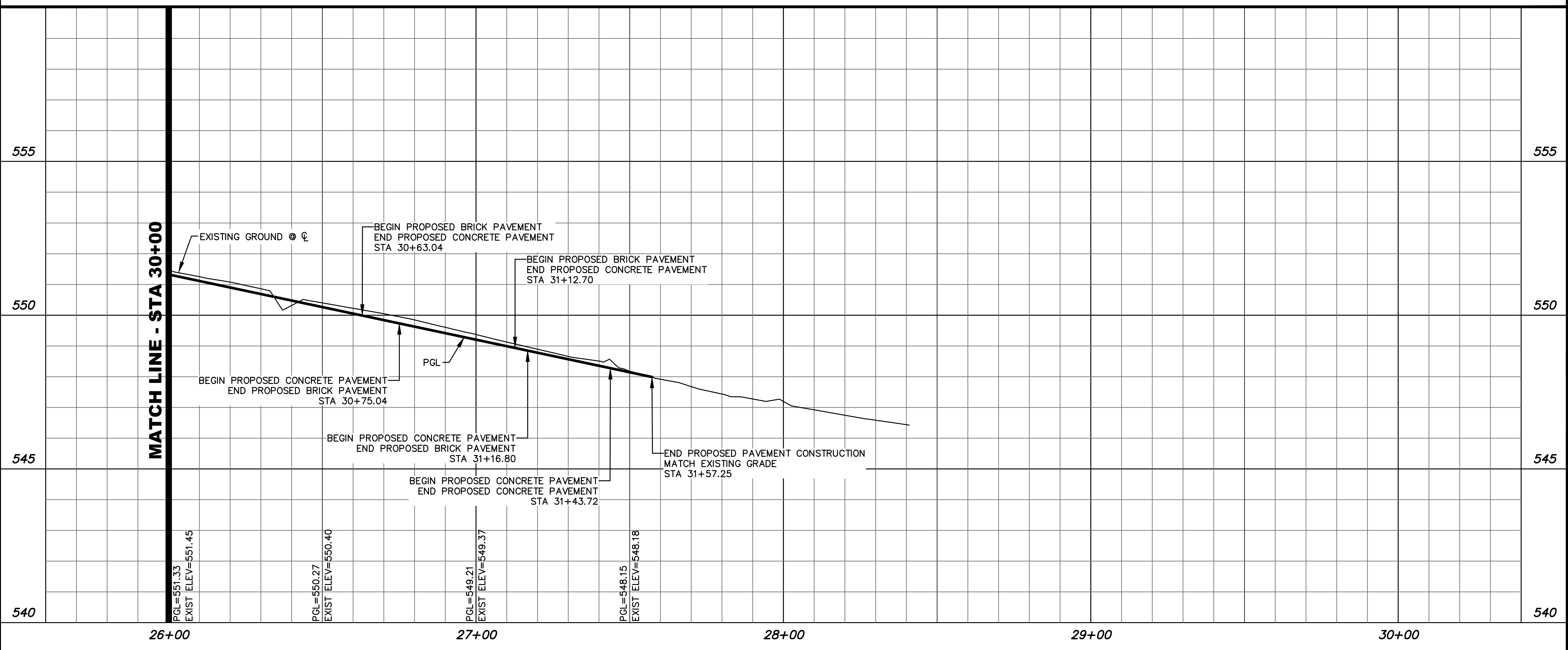
- PROPOSED BRICK ROADWAY
- PROPOSED CONCRETE PAVEMENT
- PROPOSED STAMPED CONCRETE PAVEMENT
- PROPOSED SIDEWALK

- NOTES:
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TEXAS REGISTRATION NO. 81821  
DATE: 7/11/2023



NO.	DATE	REVISION

**Pacheco Koch**  
a Westwood company

4869 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

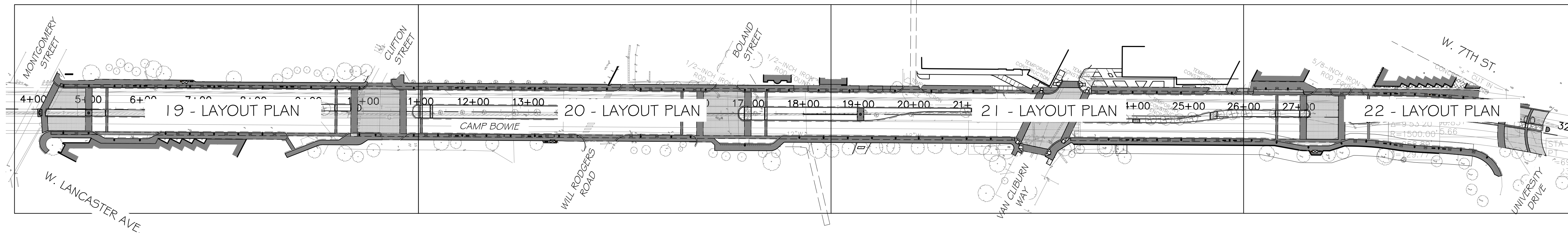
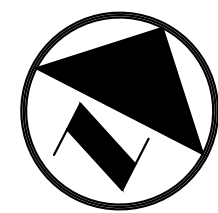
**PAVING PLAN & PROFILE**  
**STA 30+00 TO STA END**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	17

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



# 1 OVERALL LAYOUT PLAN

1" = 100'-0"

## REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
	1 4" CONCRETE PAVING 1 STAINED CONCRETE
	2 4" CONCRETE PAVING 2 STAINED AND STAMPED
	3 ENHANCED VEHICULAR PAVING 1 BRICK PAVER
	4 ENHANCED VEHICULAR PAVING 2 STAINED AND STAMPED CONCRETE
	5 ENHANCED VEHICULAR PAVING 3 STAINED AND STAMPED CONCRETE
	6 DECORATIVE GRAVEL
	7 SITE WALL
SYMBOL	DESCRIPTION
	8 LIGHT FIXTURE A - PEDESTRIAN LIGHTING
	9 LIGHT FIXTURE B - VEHICULAR LIGHTING
	10 TREE GRATE
	11 BENCH A
	12 UPDATE SIGNAGE
	13 SCULPTURE LOCATION BY OTHERS
	14 BOLLARD
	15 TRASH RECEPTACLE
	16 8" CONCRETE MOW CURB

**INTERIM REVIEW**

THESE DOCUMENTS ARE INTENDED FOR INTERIM REVIEW ONLY AND NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
TEXAS REGISTRATION NUMBER 3159

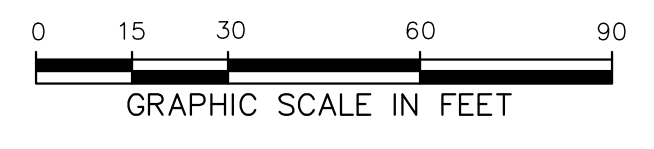
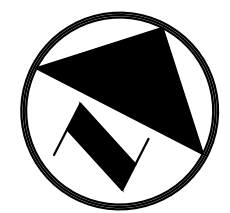
NO.	DATE	REVISION
1	07/11/2023	CMAR SET

**Pacheco Koch** a Westwood company

4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

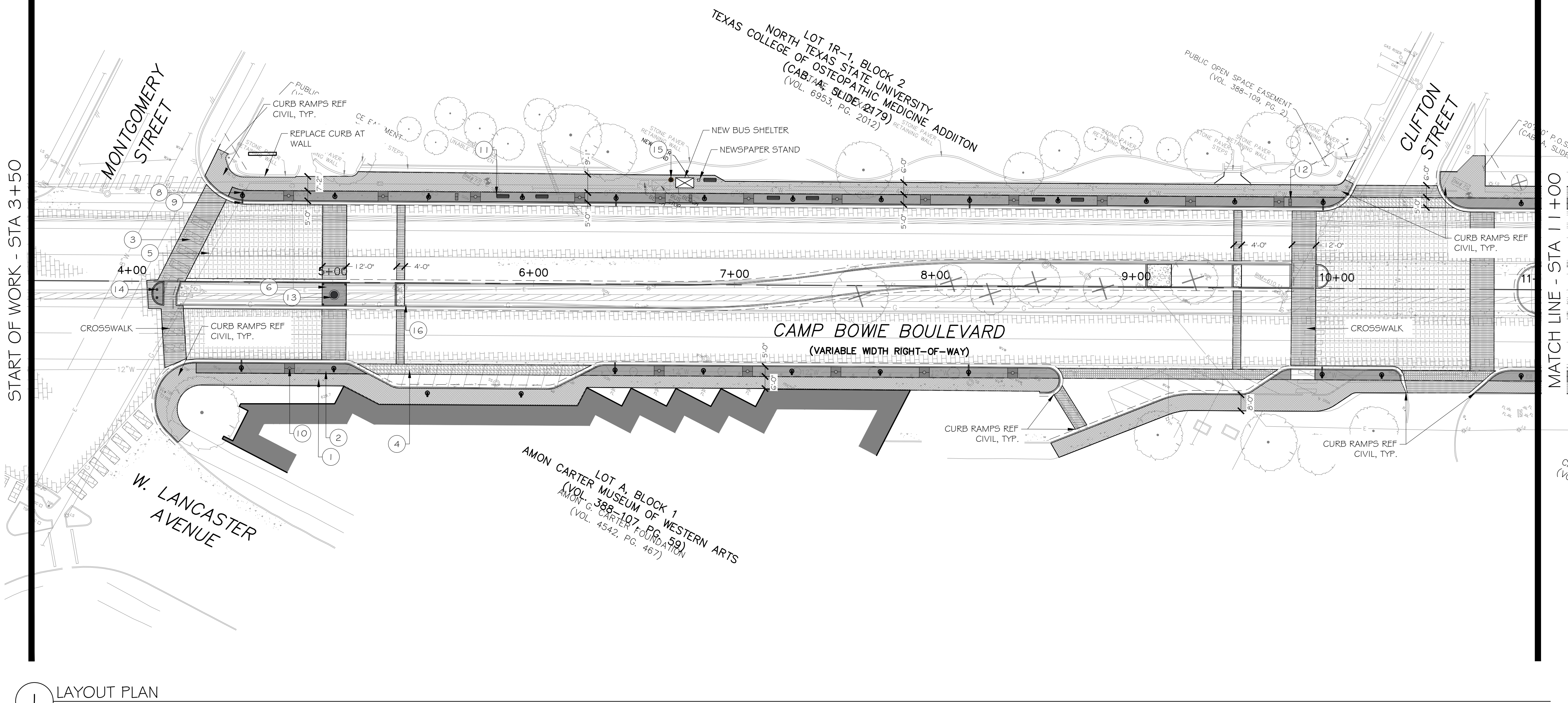
<b>OVERALL LAYOUT PLAN</b>				
<b>3+50 - 32+00</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>18</b>

CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



START OF WORK - STA 3+50

MATCH LINE - STA 11+00



REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
(1)	4" CONCRETE PAVING 1 STAINED CONCRETE
(2)	4" CONCRETE PAVING 2 STAINED AND STAMPED
(3)	ENHANCED VEHICULAR PAVING 1 BRICK PAVER
(4)	ENHANCED VEHICULAR PAVING 2 STAINED AND STAMPED CONCRETE
(5)	ENHANCED VEHICULAR PAVING 3 STAINED AND STAMPED CONCRETE
(6)	DECORATIVE GRAVEL
(7)	SITE WALL
SYMBOL	DESCRIPTION
(8)	LIGHT FIXTURE A - PEDESTRIAN LIGHTING
(9)	LIGHT FIXTURE B - VEHICULAR LIGHTING
(10)	TREE GRATE
(11)	BENCH A
(12)	UPDATE SIGNAGE
(13)	SCULPTURE LOCATION BY OTHERS
(14)	BOLLARD
(15)	TRASH RECEPTACLE
(16)	8" CONCRETE MOW CURB

**INTERIM REVIEW**  
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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
 TEXAS REGISTRATION NUMBER 3159

1 LAYOUT PLAN  
1" = 30'-0"

NO.	DATE	REVISION
1	07/11/2023	CMAR SET

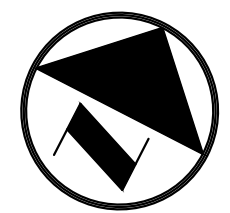
**Pacheco Koch** a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**LAYOUT PLAN**  
**3+50 - 11+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>19</b>

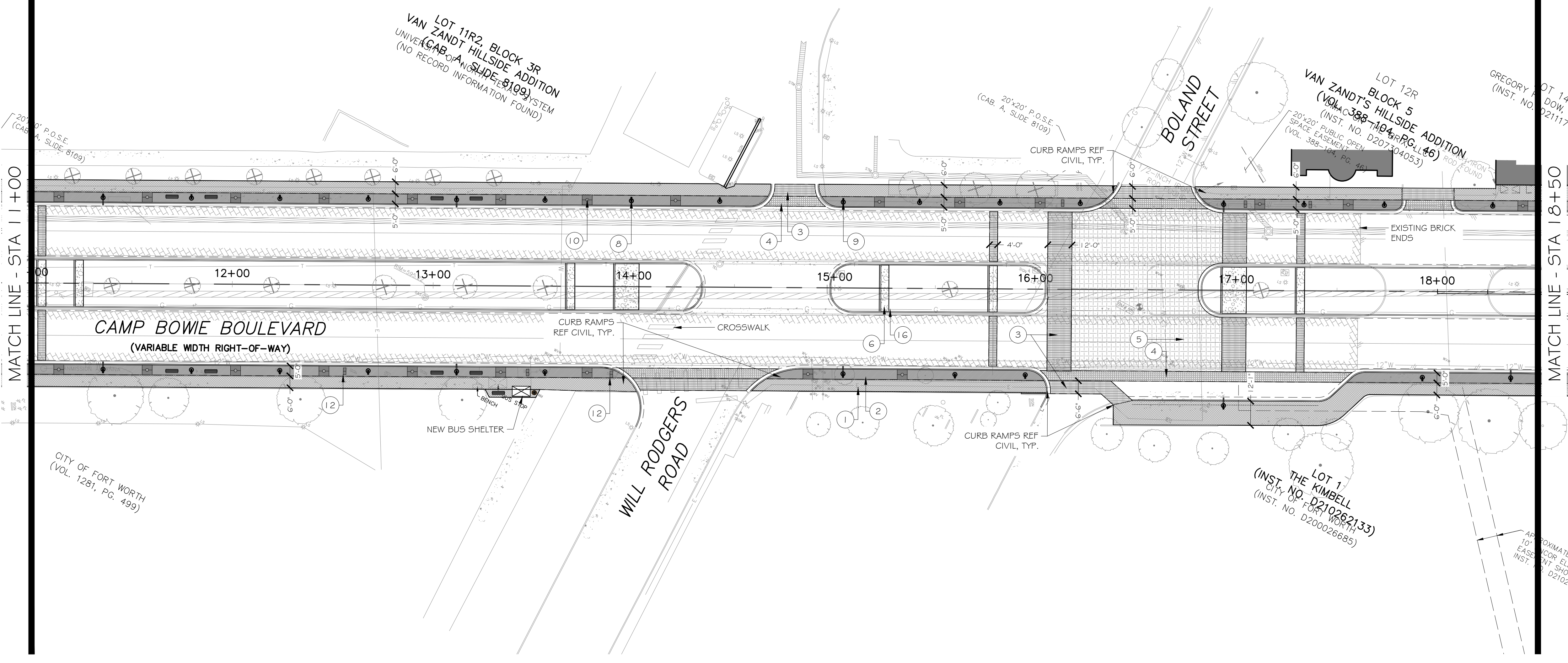
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
(1) [Symbol]	4" CONCRETE PAVING 1 STAINED CONCRETE
(2) [Symbol]	4" CONCRETE PAVING 2 STAINED AND STAMPED
(3) [Symbol]	ENHANCED VEHICULAR PAVING 1 BRICK PAVER
(4) [Symbol]	ENHANCED VEHICULAR PAVING 2 STAINED AND STAMPED CONCRETE
(5) [Symbol]	ENHANCED VEHICULAR PAVING 3 STAINED AND STAMPED CONCRETE
(6) [Symbol]	DECORATIVE GRAVEL
(7) [Symbol]	SITE WALL
SYMBOL	DESCRIPTION
(8) [Symbol]	LIGHT FIXTURE A - PEDESTRIAN LIGHTING
(9) [Symbol]	LIGHT FIXTURE B - VEHICULAR LIGHTING
(10) [Symbol]	TREE GRATE
(11) [Symbol]	BENCH A
(12) [Symbol]	UPDATE SIGNAGE
(13) [Symbol]	SCULPTURE LOCATION BY OTHERS
(14) [Symbol]	BOLLARD
(15) [Symbol]	TRASH RECEPTACLE
(16) [Symbol]	8" CONCRETE MOW CURB



**1** LAYOUT PLAN  
1" = 30'-0"

**INTERIM REVIEW**  
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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
 TEXAS REGISTRATION NUMBER 3159

NO.	DATE	REVISION
1	07/11/2023	CMAR SET

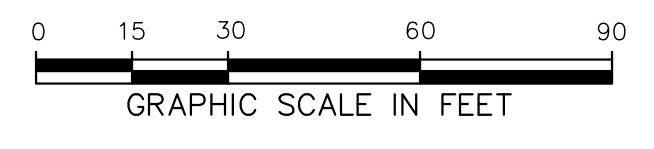
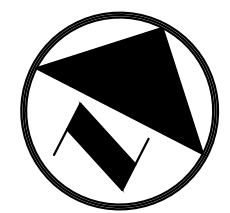
**Pacheco Koch**  
 a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
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**LAYOUT PLAN**  
**11+00 - 18+50**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>20</b>

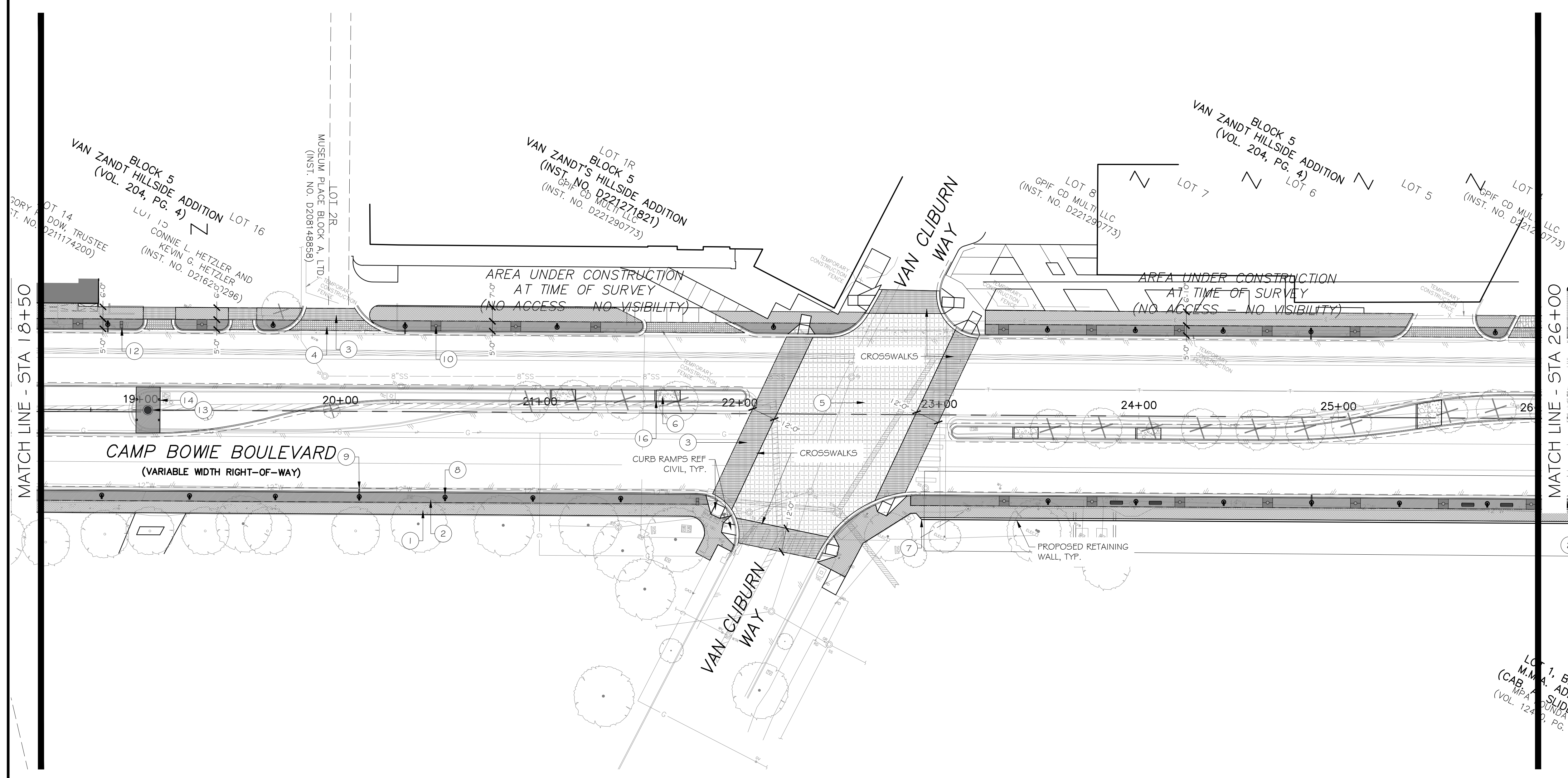
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### REFERENCE NOTES SCHEDULE

SYMBOL	DESCRIPTION
(1)	4" CONCRETE PAVING 1 STAINED CONCRETE
(2)	4" CONCRETE PAVING 2 STAINED AND STAMPED
(3)	ENHANCED VEHICULAR PAVING 1 BRICK PAVER
(4)	ENHANCED VEHICULAR PAVING 2 STAINED AND STAMPED CONCRETE
(5)	ENHANCED VEHICULAR PAVING 3 STAINED AND STAMPED CONCRETE
(6)	DECORATIVE GRAVEL
(7)	SITE WALL
SYMBOL	DESCRIPTION
(8)	LIGHT FIXTURE A - PEDESTRIAN LIGHTING
(9)	LIGHT FIXTURE B - VEHICULAR LIGHTING
(10)	TREE GRATE
(11)	BENCH A
(12)	UPDATE SIGNAGE
(13)	SCULPTURE LOCATION BY OTHERS
(14)	BOLLARD
(15)	TRASH RECEPTACLE
(16)	8" CONCRETE MOW CURB



**1** LAYOUT PLAN  
1" = 30'-0"

**INTERIM REVIEW**  
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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
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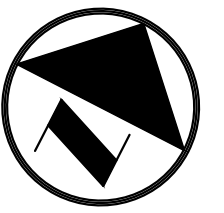
NO.	DATE	REVISION

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<b>LAYOUT PLAN</b>				
<b>18+50 - 26+00</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>21</b>

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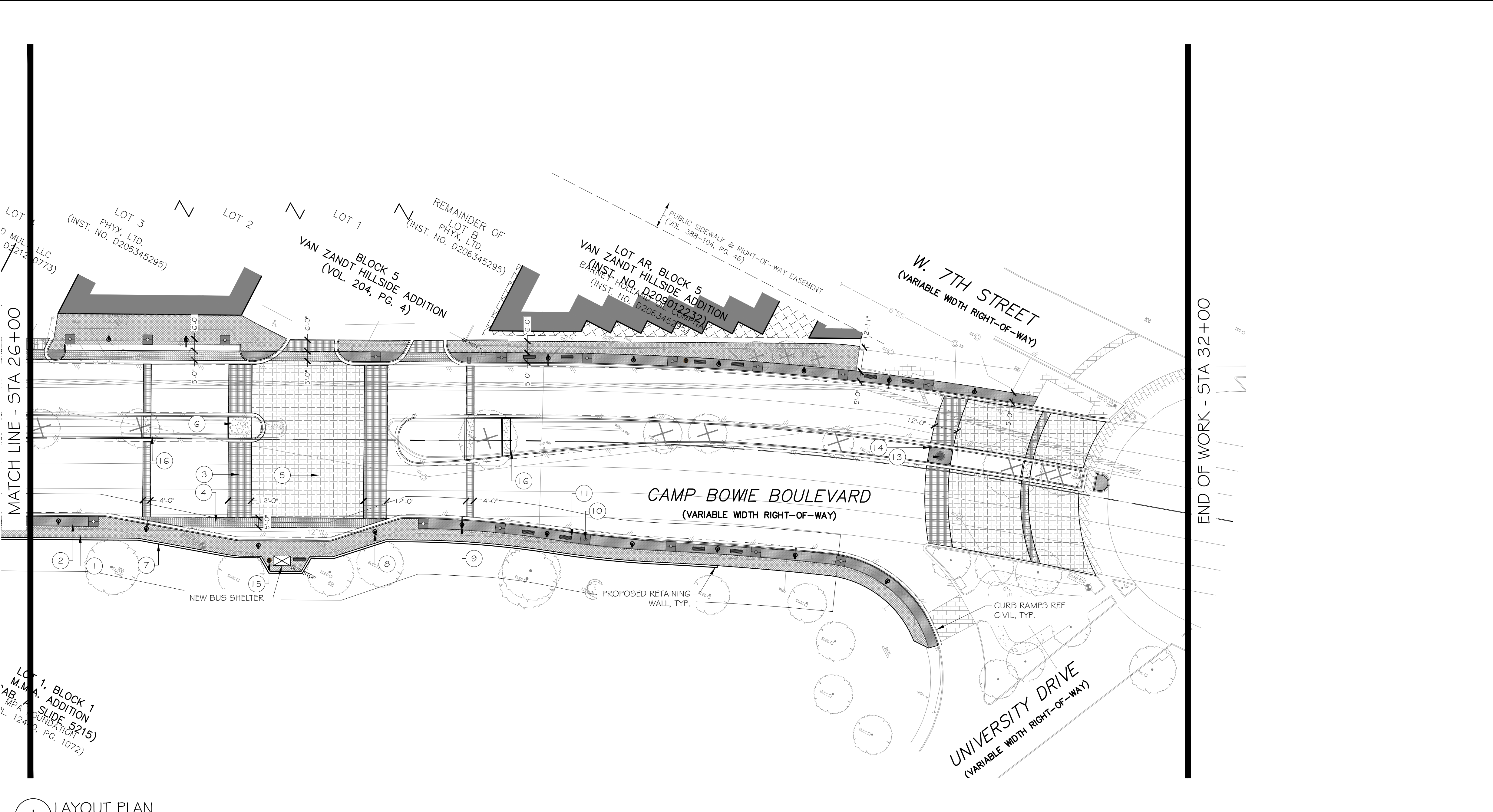
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**REFERENCE NOTES SCHEDULE**

SYMBOL	DESCRIPTION
(1)	4" CONCRETE PAVING 1 STAINED CONCRETE
(2)	4" CONCRETE PAVING 2 STAINED AND STAMPED
(3)	ENHANCED VEHICULAR PAVING 1 BRICK PAVEN
(4)	ENHANCED VEHICULAR PAVING 2 STAINED AND STAMPED CONCRETE
(5)	ENHANCED VEHICULAR PAVING 3 STAINED AND STAMPED CONCRETE
(6)	DECORATIVE GRAVEL
(7)	SITE WALL
SYMBOL	DESCRIPTION
(8)	LIGHT FIXTURE A - PEDESTRIAN LIGHTING
(9)	LIGHT FIXTURE B - VEHICULAR LIGHTING
(10)	TREE GRATE
(11)	BENCH A
(12)	UPDATE SIGNAGE
(13)	SCULPTURE LOCATION BY OTHERS
(14)	BOLLARD
(15)	TRASH RECEPTACLE
(16)	8" CONCRETE MOW CURB

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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
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**1 LAYOUT PLAN**  
 1" = 30'-0"

NO.	DATE	REVISION
△	07/11/2023	CMAR SET
		<i>ISSUE</i>

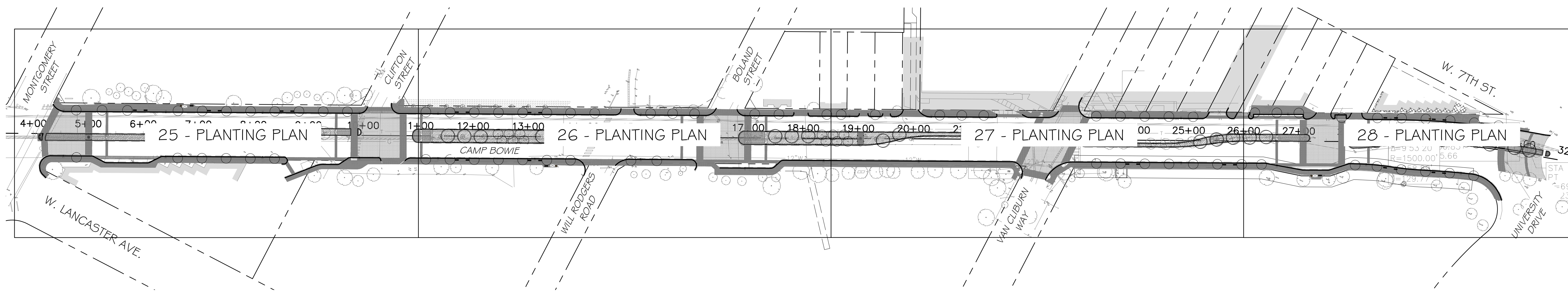
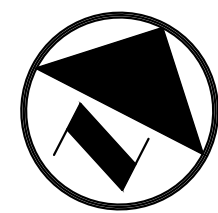
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**LAYOUT PLAN**  
**26+00 - 32+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>22</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



1 OVERALL PLANTING PLAN  
1" = 100'-0"

PLANT SCHEDULE

2023-05-31 15:20

TREES	CODE	BOTANICAL / COMMON NAME	SIZE/COND.	QTY	REMARKS
	CT 1	CANOPY TREE CANOPY TREE 1	6" CAL.	32	SINGLE, STRAIGHT LEADER, MATCHING
	OT	SMALL ORNAMENTAL TREE ORNAMENTAL TREE	4" CAL / CONT	100	SINGLE, STRAIGHT LEADER, MATCHING

SHRUB AREAS	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY	REMARKS
	SS	SEASONAL COLOR SEASONAL COLOR	1 GAL	12" o.c.	6,606	FULL, MATCHING
	SH 1	SHRUB AREA SHRUB AREA 1	5 GAL	24" o.c.	6,354	FULL, MATCHING

SOD/SEED	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING	QTY	REMARKS
	CD	CYNODON DACTYLON BERMUDA GRASS	SOD		4,422 SF	SOLID, ROLLED TIGHT, SAND FILLED JOINTS, 100% WEED, PEST AND DISEASE FREE

CONTRACTOR SHALL REESTABLISH SOD AND PROVIDE TEMPORARY IRRIGATION IN AREA DISTURBED BY CONSTRUCTION

INTERIM REVIEW  
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REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
TEXAS REGISTRATION NUMBER 3159

NO.	DATE	ISSUE
1	07/11/2023	CMAR SET

NO.	DATE	REVISION
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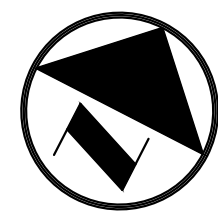
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**OVERALL PLANTING PLAN**  
**3+50 - 32+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>23</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



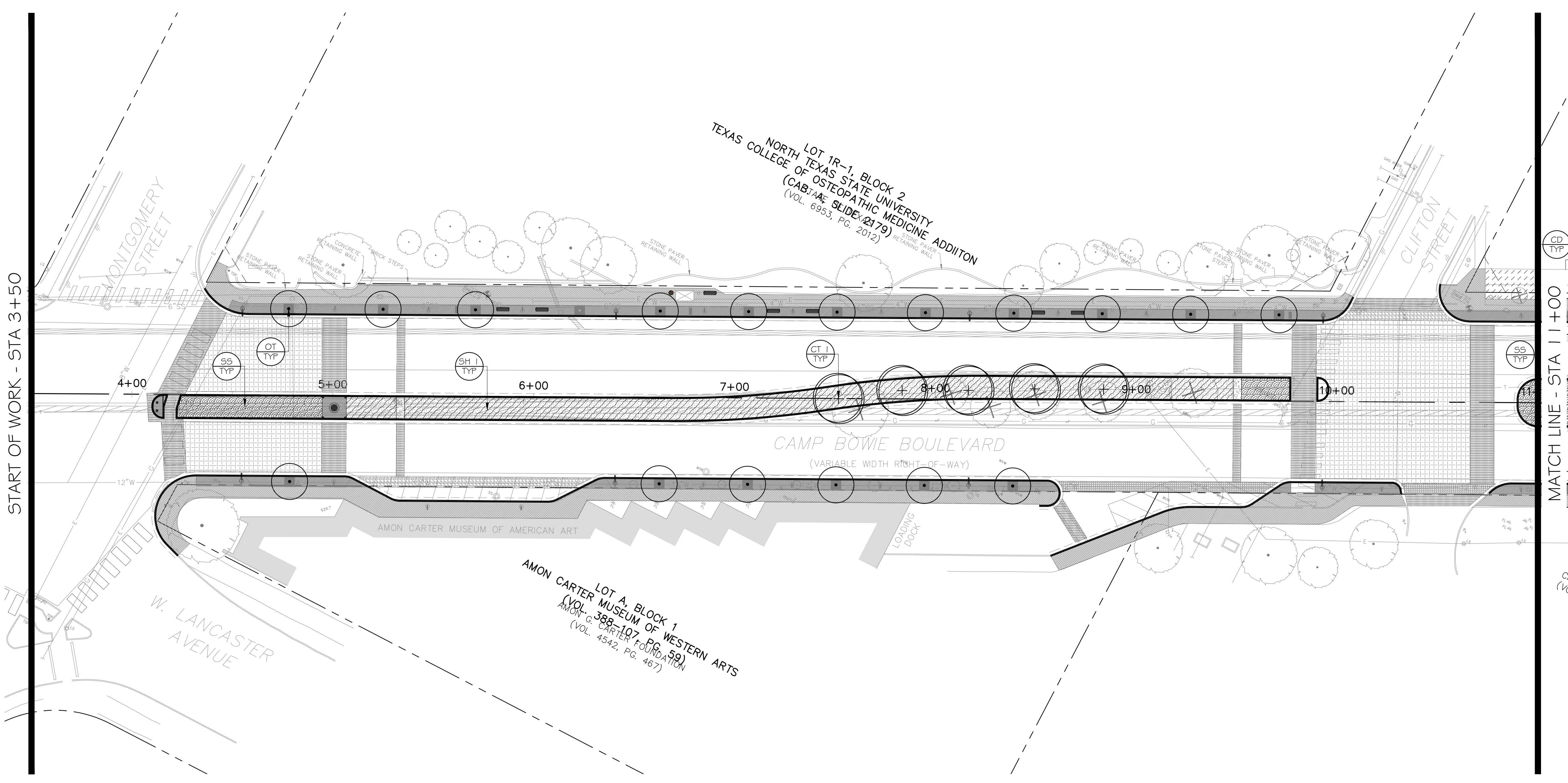
### PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	CT I	CANOPY TREE CANOPY TREE I
	OT	SMALL ORNAMENTAL TREE ORNAMENTAL TREE
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME
	SS	SEASONAL COLOR SEASONAL COLOR
	SH I	SHRUB AREA SHRUB AREA I
SOD/SEED	CODE	BOTANICAL / COMMON NAME
	CD	CYNODON DACTYLON BERMUDA GRASS

CONTRACTOR SHALL REESTABLISH SOD AND PROVIDE IRRIGATION IN AREA DISTURBED BY CONSTRUCTION

START OF WORK - STA 3+50

MATCH LINE - STA 11+00



1 PLANTING PLAN  
1" = 30'-0"

**INTERIM REVIEW**

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REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
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NO.	DATE	REVISION
1	07/11/2023	CMAR SET

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**PLANTING PLAN**  
**3+50 - 11+00**

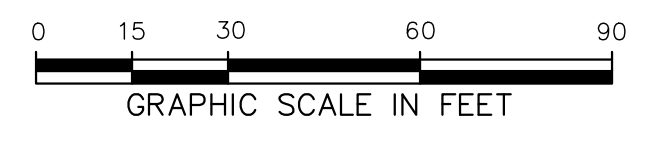
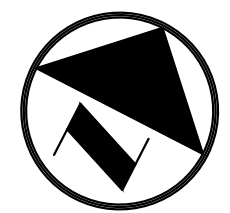
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>24</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

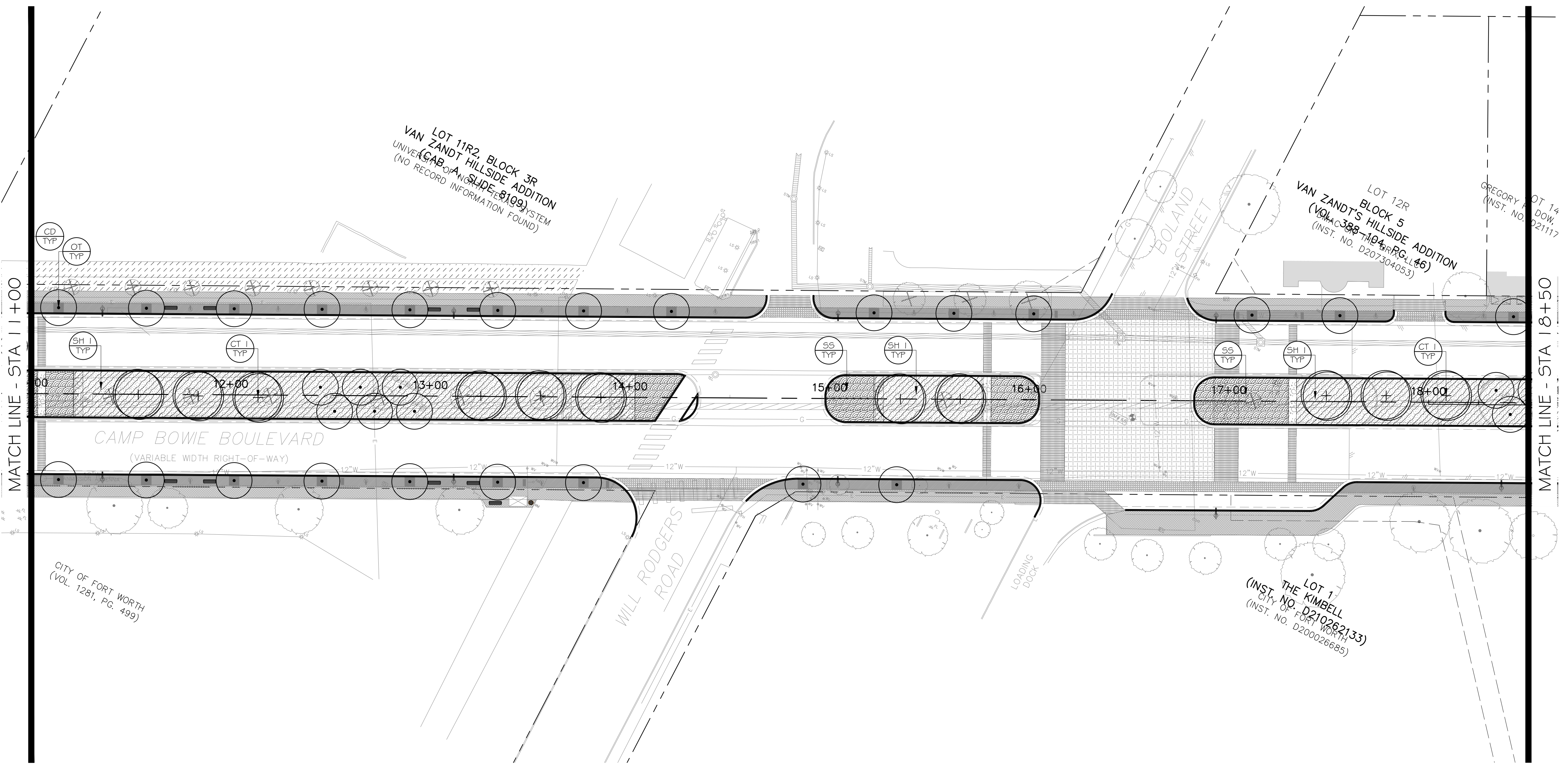




**PLANT SCHEDULE**

TREES	CODE	BOTANICAL / COMMON NAME
	CT I	CANOPY TREE CANOPY TREE I
	OT	SMALL ORNAMENTAL TREE ORNAMENTAL TREE
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME
	SS	SEASONAL COLOR SEASONAL COLOR
	SH I	SHRUB AREA SHRUB AREA I
SOD/SEED	CODE	BOTANICAL / COMMON NAME
	CD	CYNODON DACTYLON BERMUDA GRASS

CONTRACTOR SHALL REESTABLISH SOD AND PROVIDE T IRRIGATION IN AREA DISTURBED BY CONSTRUCTION



**1 PLANTING PLAN**  
1" = 30'-0"

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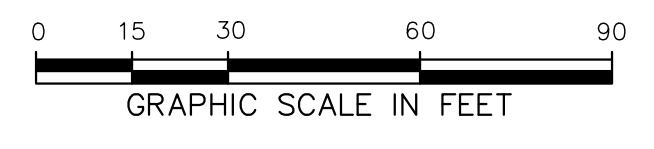
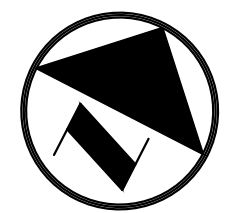
**PLANTING PLAN**  
**11+00 - 18+50**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
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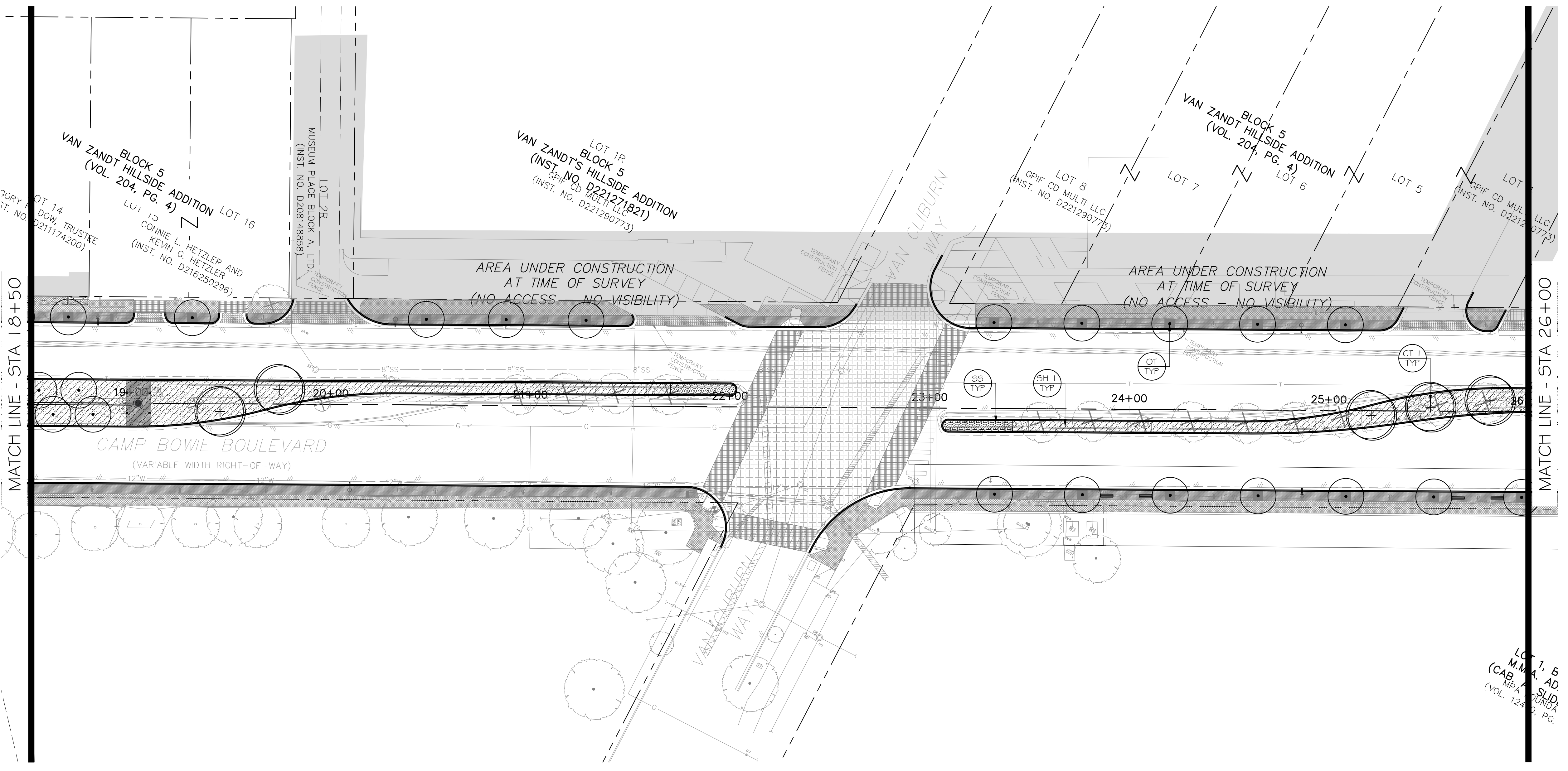
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	CT I	CANOPY TREE I
	OT	SMALL ORNAMENTAL TREE
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME
	SS	SEASONAL COLOR
	SH I	SHRUB AREA I
SOD/SEED	CODE	BOTANICAL / COMMON NAME
	CD	CYNODON DACTYLON BERMUDA GRASS

CONTRACTOR SHALL REESTABLISH SOD AND PROVIDE TYPICAL IRRIGATION IN AREA DISTURBED BY CONSTRUCTION



1 PLANTING PLAN  
1" = 30'-0"

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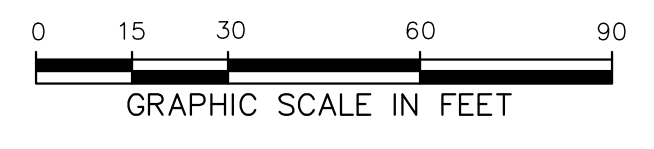
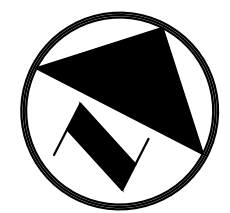
**PLANTING PLAN**  
**18+50 - 26+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>26</b>

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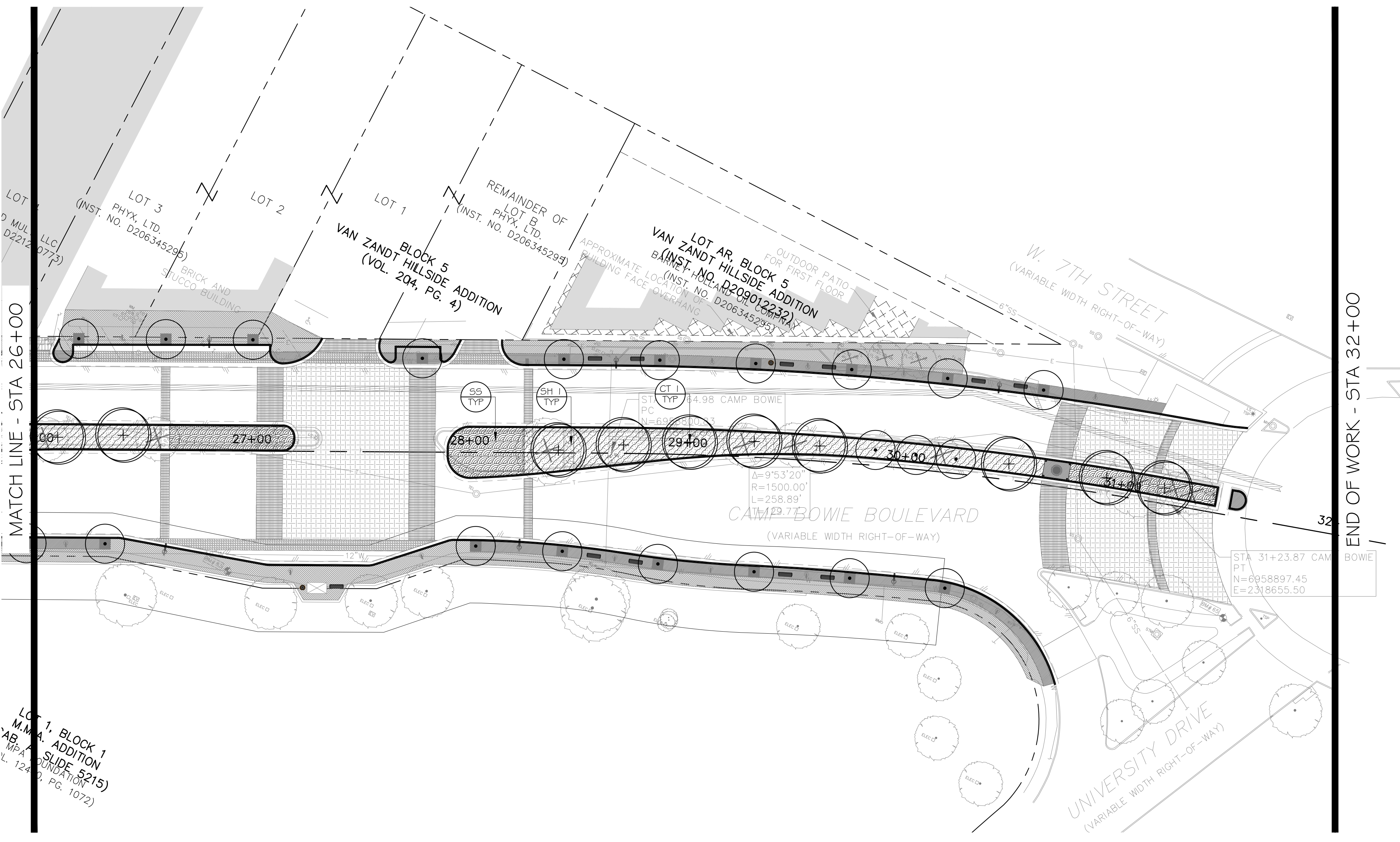
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### PLANT SCHEDULE

TREES	CODE	BOTANICAL / COMMON NAME
	CT I	CANOPY TREE CANOPY TREE I
	OT	SMALL ORNAMENTAL TREE ORNAMENTAL TREE
SHRUB AREAS	CODE	BOTANICAL / COMMON NAME
	SS	SEASONAL COLOR SEASONAL COLOR
	SH I	SHRUB AREA SHRUB AREA I
SOD/SEED	CODE	BOTANICAL / COMMON NAME
	CD	CYNODON DACTYLON BERMUDA GRASS

CONTRACTOR SHALL REESTABLISH SOD AND PROVIDE T&E IRRIGATION IN AREA DISTURBED BY CONSTRUCTION



1 PLANTING PLAN  
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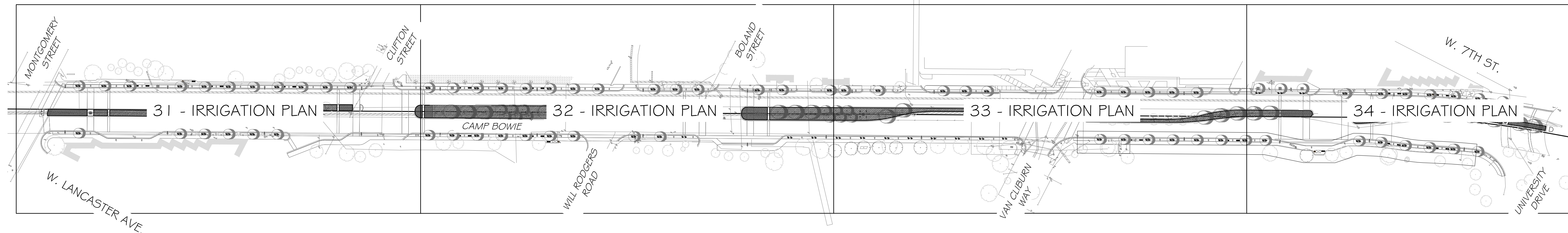
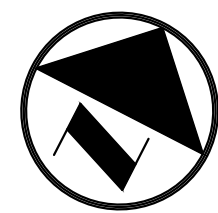
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NO.	DATE	REVISION

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<b>PLANTING PLAN</b>				
<b>26+00 - 32+00</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>27</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



# 1 IRRIGATION OVERALL PLAN

1" = 100'-0"

## IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PRO5-PR530-0G-CV-PCN FLOOD BUBBLER, GIN. POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	AREA TO RECEIVE DRIPLINE HUNTER HDL-04-1/8-CV HDL-04-1/8-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PED-SS-A2C-75D-55 75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.
	HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.
	Valve Callout # Valve Number # Valve Flow # Valve Size

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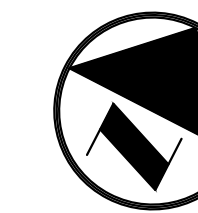
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**IRRIGATION OVERALL PLAN**  
**3+50 - 32+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>28</b>

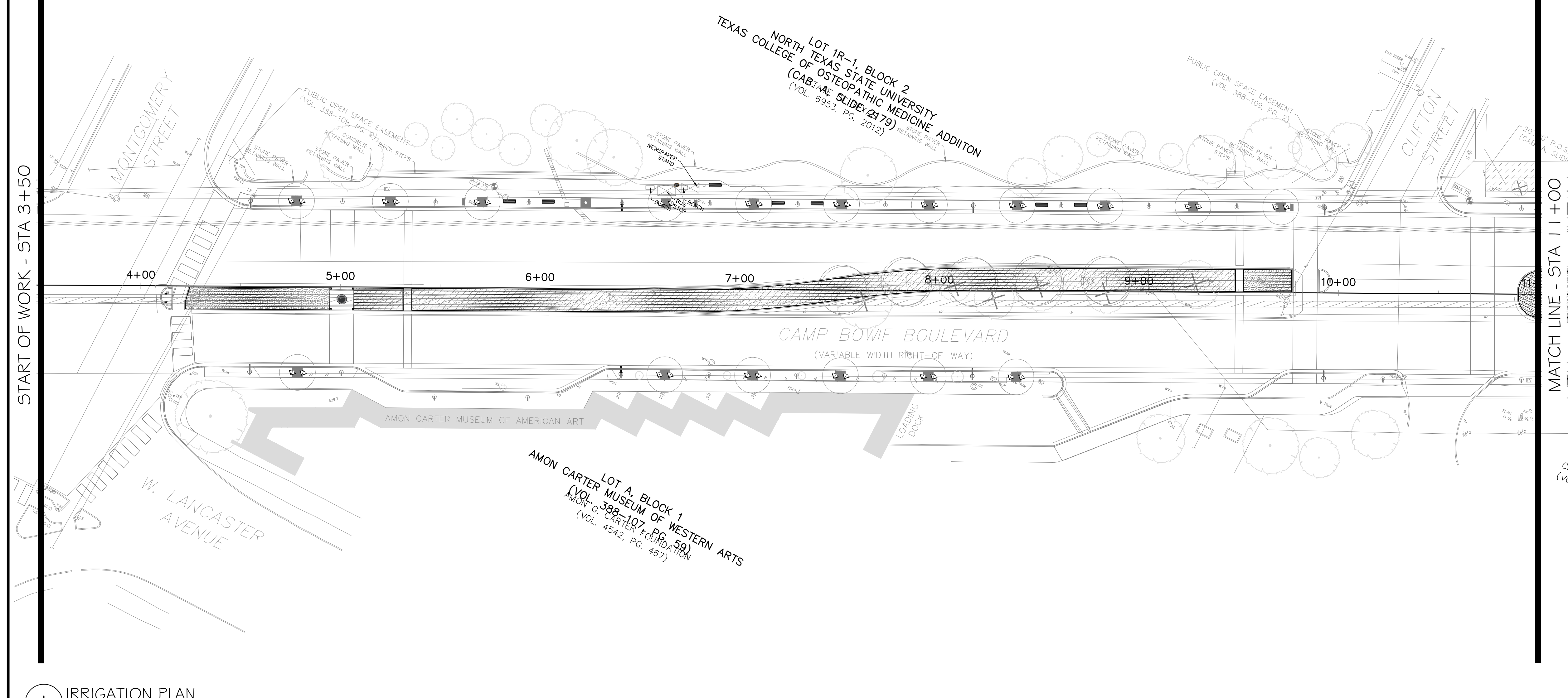
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



START OF WORK - STA 3+50

MATCH LINE - STA 11+00



### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PRO5-PR530-06-CV-PCN FLOOD BUBBLER, 6IN. POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.
	AREA TO RECEIVE DRIPLINE HUNTER HDL-04-18-CV HDL-04-18-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.
	MANUFACTURER/MODEL/DESCRIPTION HUNTER PED-55-A2C-75D-55 75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.
	HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.
	Valve Callout
	Valve Number
	Valve Flow
	Valve Size

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 TEXAS REGISTRATION NUMBER 3159

1 IRRIGATION PLAN  
1" = 30'-0"

NO.	DATE	REVISION
1	07/11/2023	CMAR SET

**Pacheco Koch** a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

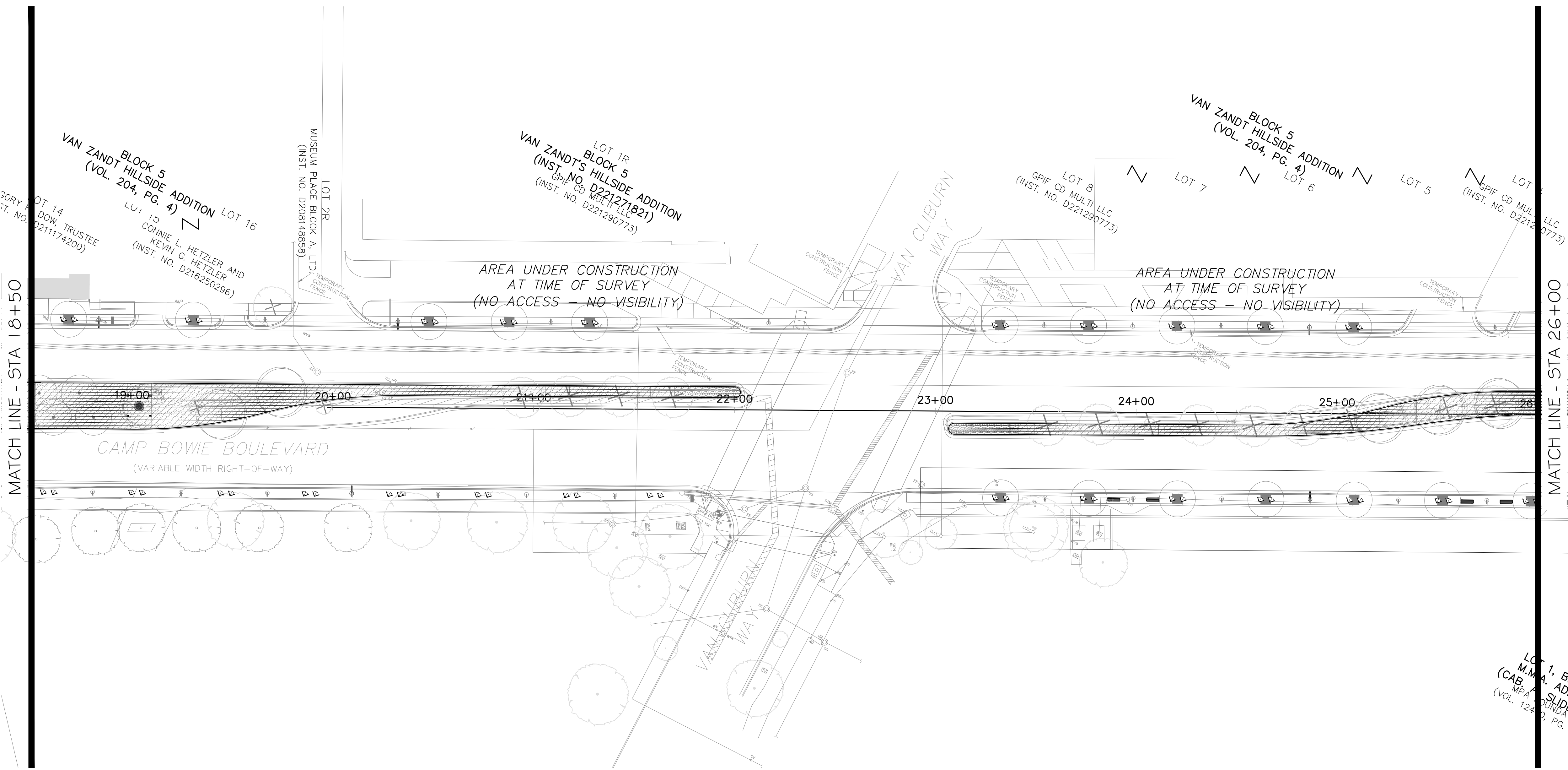
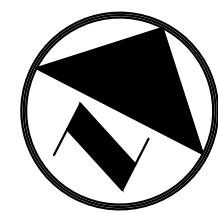
**IRRIGATION PLAN**  
**3+50 - 11+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>29</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### IRRIGATION SCHEDULE

- |               |  |
|---------------|--|
| SYMBOL        | MANUFACTURER/MODEL/DESCRIPTION   |
|               | HUNTER PRO5-FS30-06-CV-PCN FLOOD BUBBLER, 6IN. POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.  |
| SYMBOL        | MANUFACTURER/MODEL/DESCRIPTION   |
|               | AREA TO RECEIVE DRIPLINE<br>HUNTER HDL-04-18-CV<br>HDL-04-18-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS. |
| SYMBOL        | MANUFACTURER/MODEL/DESCRIPTION   |
|               | HUNTER PED-55-A2C-75D-55 75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.   |
|               | HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.   |
| Valve Callout |  |
|               | Valve Number<br>Valve Flow<br>Valve Size   |

**INTERIM REVIEW**  
 THESE DOCUMENTS ARE INTENDED FOR INTERIM REVIEW ONLY AND NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.  
 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
 TEXAS REGISTRATION NUMBER 3159

**1** IRRIGATION PLAN  
 1" = 30'-0"

NO.	DATE	REVISION

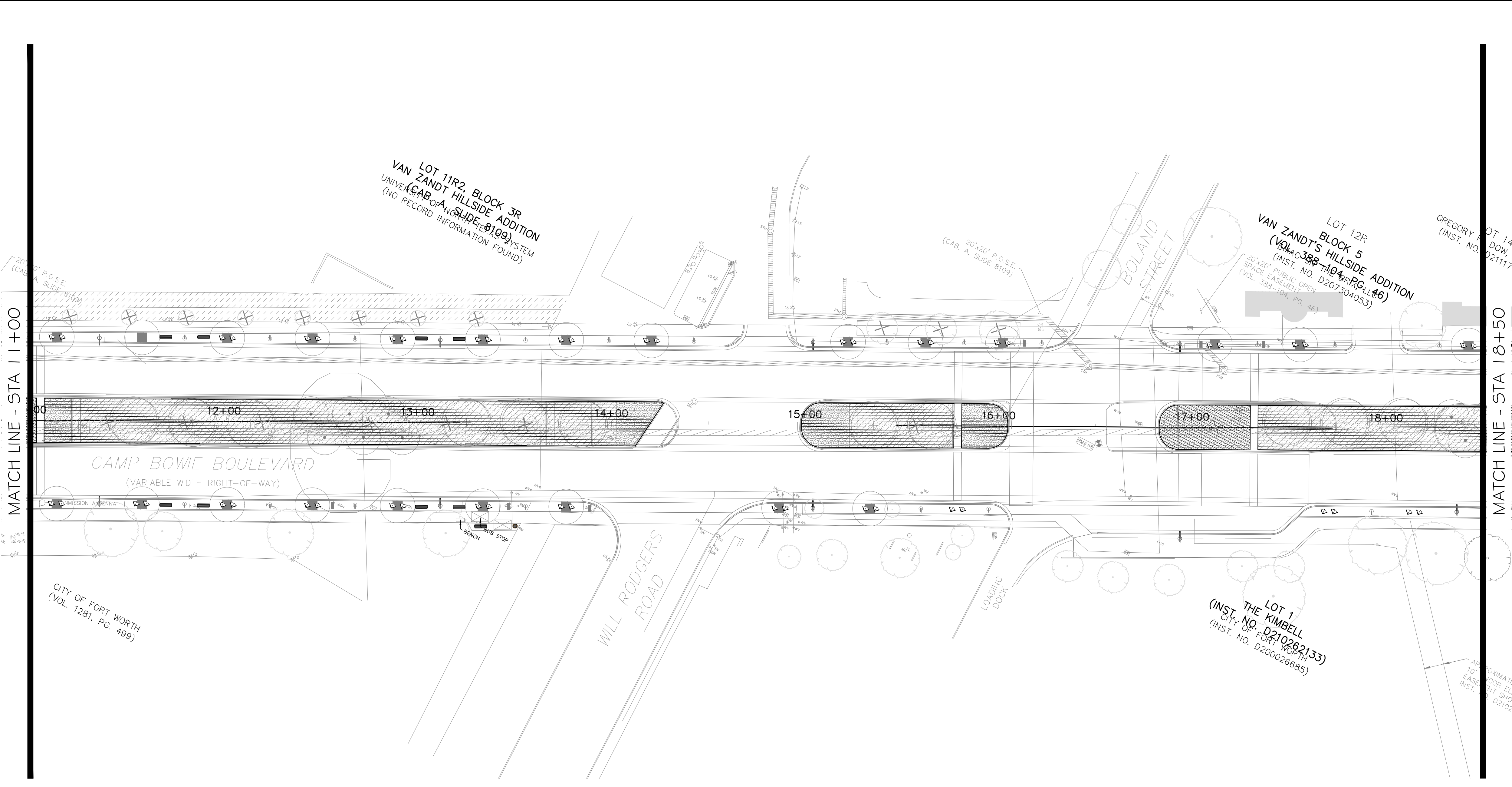
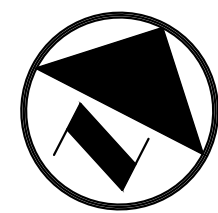
**Pacheco Koch**  
 a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**IRRIGATION PLAN**  
**18+50 - 26+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>30</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PRO5-PR530-06-CV-PCN FLOOD BUBBLER, 6IN. POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.
	AREA TO RECEIVE DRIPLINE HUNTER HDL-04-18-CV HDL-04-18-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.
	MANUFACTURER/MODEL/DESCRIPTION HUNTER PED-55-A2C-75D-55 75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.
	HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.
	Valve Callout # Valve Number # Valve Flow # Valve Size

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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
 TEXAS REGISTRATION NUMBER 3159

**1 IRRIGATION PLAN**  
 1" = 30'-0"

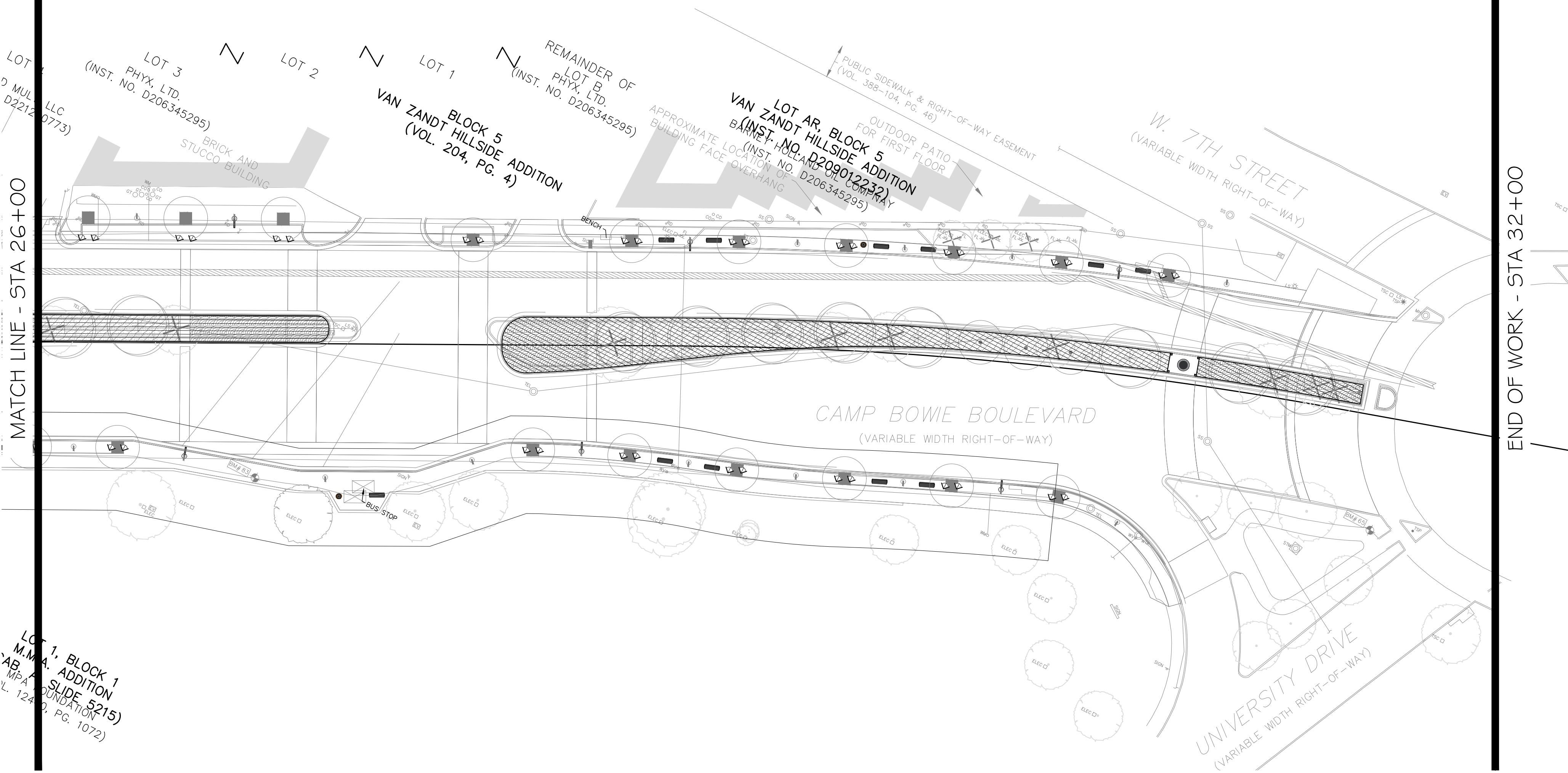
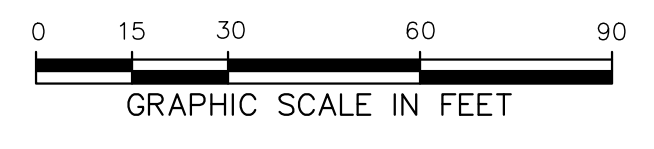
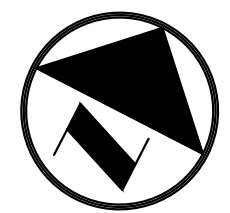
NO.	DATE	REVISION
	07/11/2023	CMAR SET

**Pacheco Koch**  
 a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

<b>IRRIGATION PLAN</b>				
<b>11+00 - 18+50</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>31</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



**IRRIGATION SCHEDULE**

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION
	HUNTER PRO5-PR530-06-CV-PCN FLOOD BUBBLER, 6IN. POP-UP, FACTORY INSTALLED DRAIN CHECK VALVE.
	AREA TO RECEIVE DRIPLINE HUNTER HDL-04-18-CV HDL-04-18-CV: HUNTER DRIPLINE W/ 0.4 GPH EMITTERS AT 18" O.C. CHECK VALVE, DARK BROWN TUBING WITH TAN STRIPING. DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL WITH HUNTER PLD BARBED OR PLD-LOC FITTINGS.
	HUNTER PED-55-A2C-75D-55 75-STATION DECODER CONTROLLER IN AN OUTDOOR STAINLESS STEEL PEDESTAL.
	HUNTER RFC-NO RAIN AND FREEZE SENSOR, WITH CONDUIT INSTALLATION, MOUNT AS NOTED. NORMALLY OPEN SWITCH.
	Valve Callout # - Valve Number # - Valve Flow # - Valve Size

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 REGISTERED LANDSCAPE ARCHITECT  
 DOROTHY J. WITMEYER  
 TEXAS REGISTRATION NUMBER 3159

**1** IRRIGATION PLAN  
 1" = 30'-0"

NO.	DATE	REVISION
1	07/11/2023	CMAR SET

**Pacheco Koch**  
 a Westwood company  
 4060 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

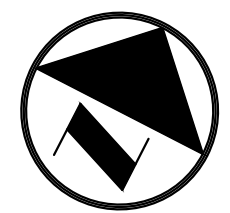
**IRRIGATION PLAN**  
**26+00 - 32+00**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>32</b>





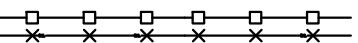
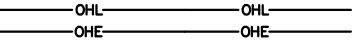
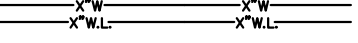
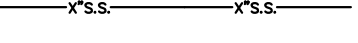
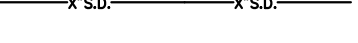







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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



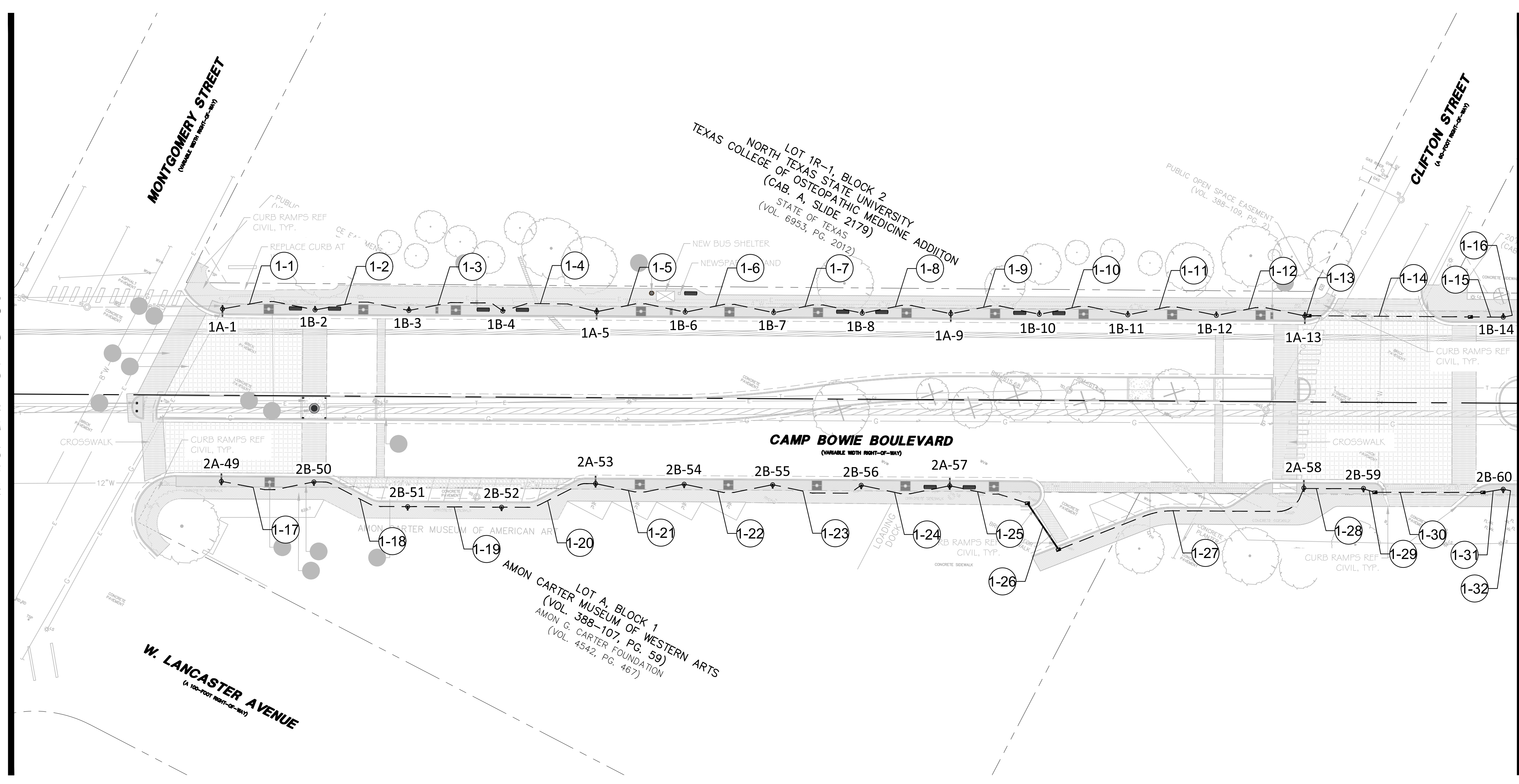


### LEGEND

-  18' LIGHT POLE
-  30' LIGHT POLE
-  ELECTRICAL METER SYMBOLS
-  GROUNDBOX
-  2" TRENCH
-  2" BORE
-  FENCELINES
-  OVERHEAD ELECTRIC
-  WATERLINE
-  SANITARY SEWER
-  STORM DRAIN
-  ROW LINE
-  STRUCTURAL POLE
-  TRANSFORMER
-  TREE WELL (SEE LANDSCAPE PLANS)
-  BENCH (SEE LANDSCAPE PLANS)

MATCH LINE - STA 3+50

MATCH LINE - STA 11+00



**1 ILLUMINATION PLAN**  
 1" = 30'-0"

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

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PLANS PREPARED UNDER THE DIRECT SUPERVISION OF TAYLOR N. BATES, P.E.  
 TEXAS REGISTRATION NO. 140982  
 DATE: 06/07/2023

NO.	DATE	ISSUE

NO.	DATE	REVISION

**Pacheco Koch** 4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

a Westwood company

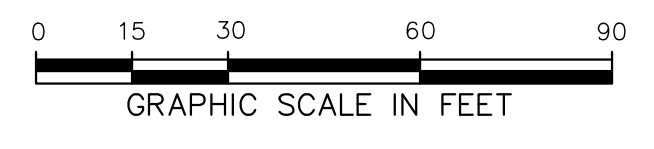
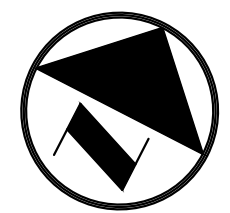
**ILLUMINATION PLAN**  
**3+50 - 11+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**





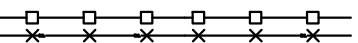
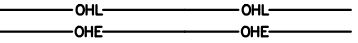
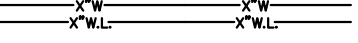

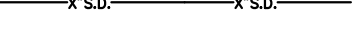





DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
TNB	BAH	MAY 2023	5085-22.692	<b>33</b>

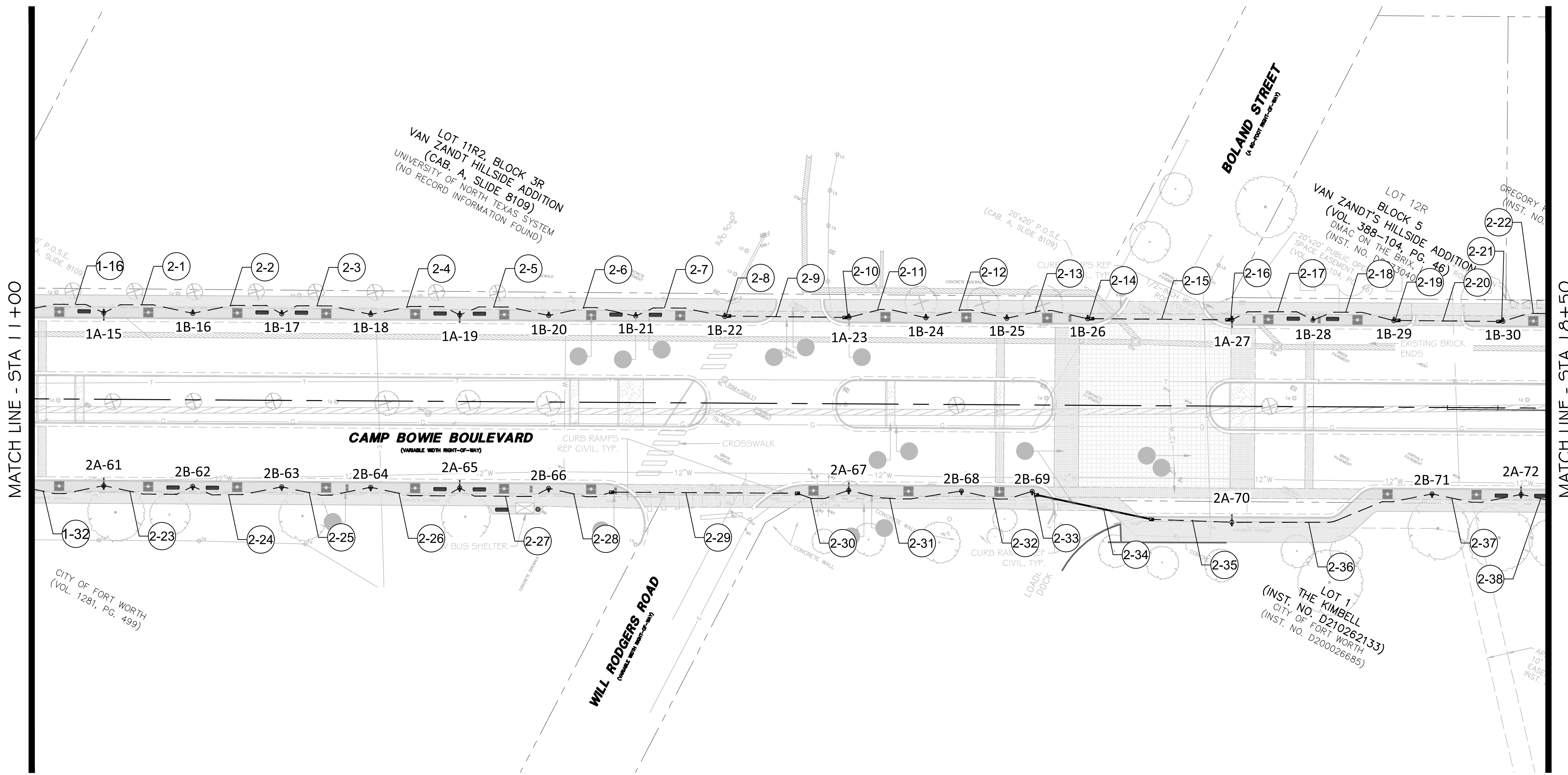
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### LEGEND

-  18' LIGHT POLE
-  30' LIGHT POLE
-  ELECTRICAL METER SYMBOLS
-  GROUNDBOX
- 
-  FENCELINES
-  OVERHEAD ELECTRIC
-  WATERLINE
-  SANITARY SEWER
-  STORM DRAIN
-  ROW LINE
-  STRUCTURAL POLE
-  TRANSFORMER
-  TREE WELL (SEE LANDSCAPE PLANS)
-  BENCH (SEE LANDSCAPE PLANS)



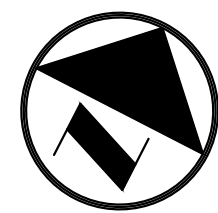
**ILLUMINATION PLAN**  
1" = 30'-0"

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**  
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PLANS PREPARED UNDER THE DIRECT SUPERVISION OF TAYLOR N. BATES, P.E.  
TEXAS REGISTRATION NO. 140982  
DATE: 06/07/2023







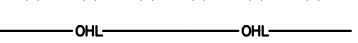
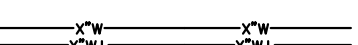
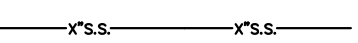
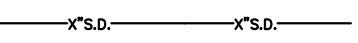






NO.	DATE	ISSUE		
NO.	DATE	REVISION		
<b>Pacheco Koch</b> a Westwood company				
<b>ILLUMINATION PLAN</b> <b>11+00 - 18+50</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b> <b>MONTGOMERY ST TO UNIVERSITY DR</b> <b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
TNB	BAH	MAY 2023	5085-22.692	<b>34</b>

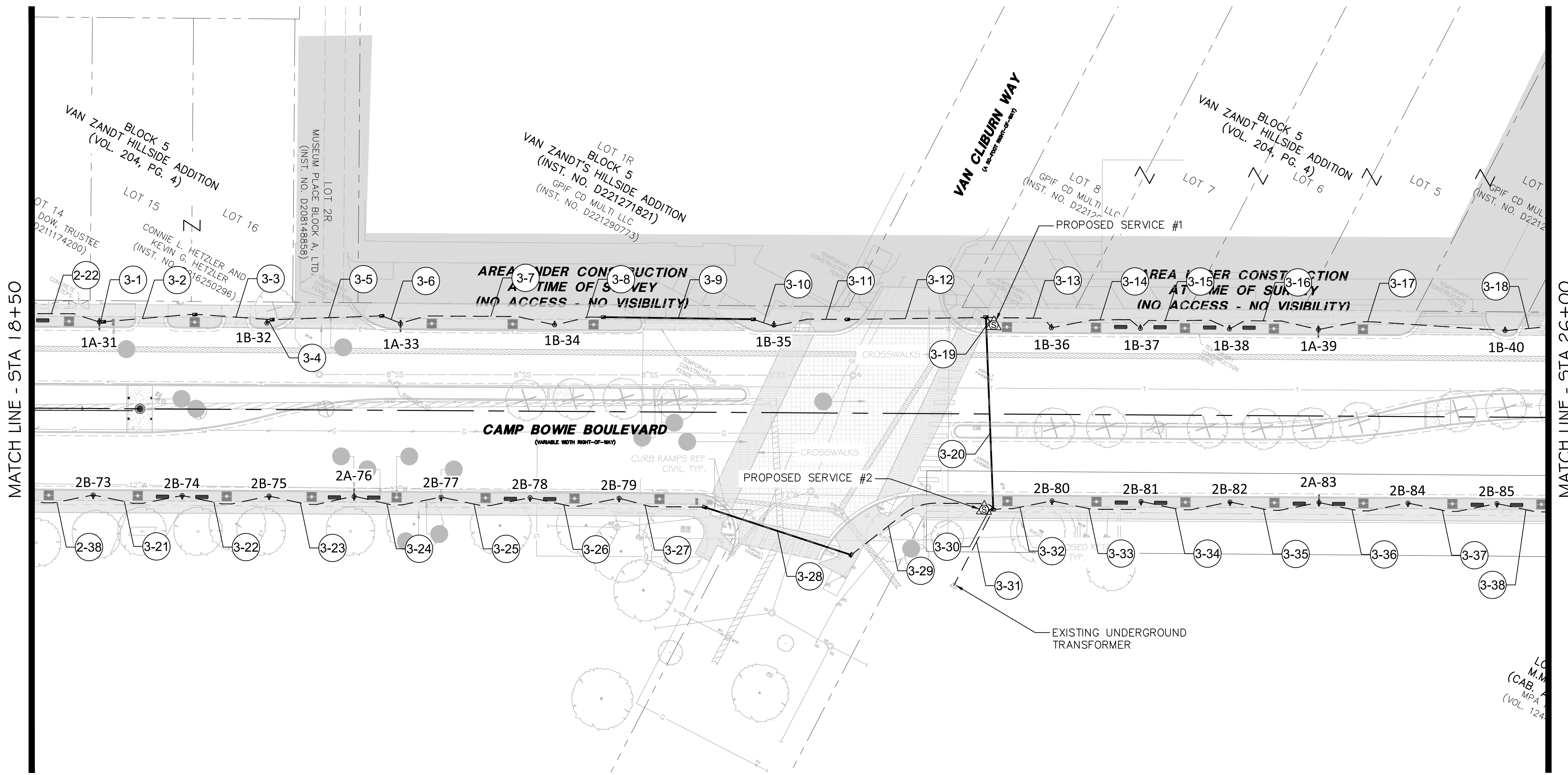
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### LEGEND

-  18' LIGHT POLE
-  30' LIGHT POLE
-  ELECTRICAL METER SYMBOLS
-  GROUNDBOX
-  2" TRENCH
-  2" BORE
-  FENCELINES
-  OVERHEAD ELECTRIC
-  WATERLINE
-  SANITARY SEWER
-  STORM DRAIN
-  ROW LINE
-  STRUCTURAL POLE
-  TRANSFORMER
-  TREE WELL (SEE LANDSCAPE PLANS)
-  BENCH (SEE LANDSCAPE PLANS)



MATCH LINE - STA 18+50

MATCH LINE - STA 26+00

**ILLUMINATION PLAN**  
1" = 30'-0"

**PRELIMINARY**  
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TEXAS REGISTRATION NO. 140982  
DATE: 06/07/2023

NO.	DATE	ISSUE

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**Pacheco Koch** a Westwood company

4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

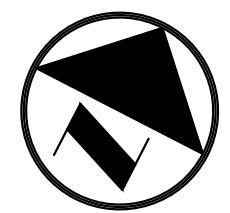
**ILLUMINATION PLAN**  
**18+50 - 26+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**







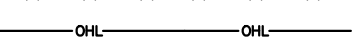
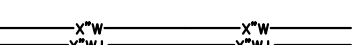
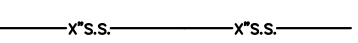
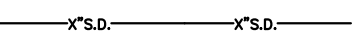






DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
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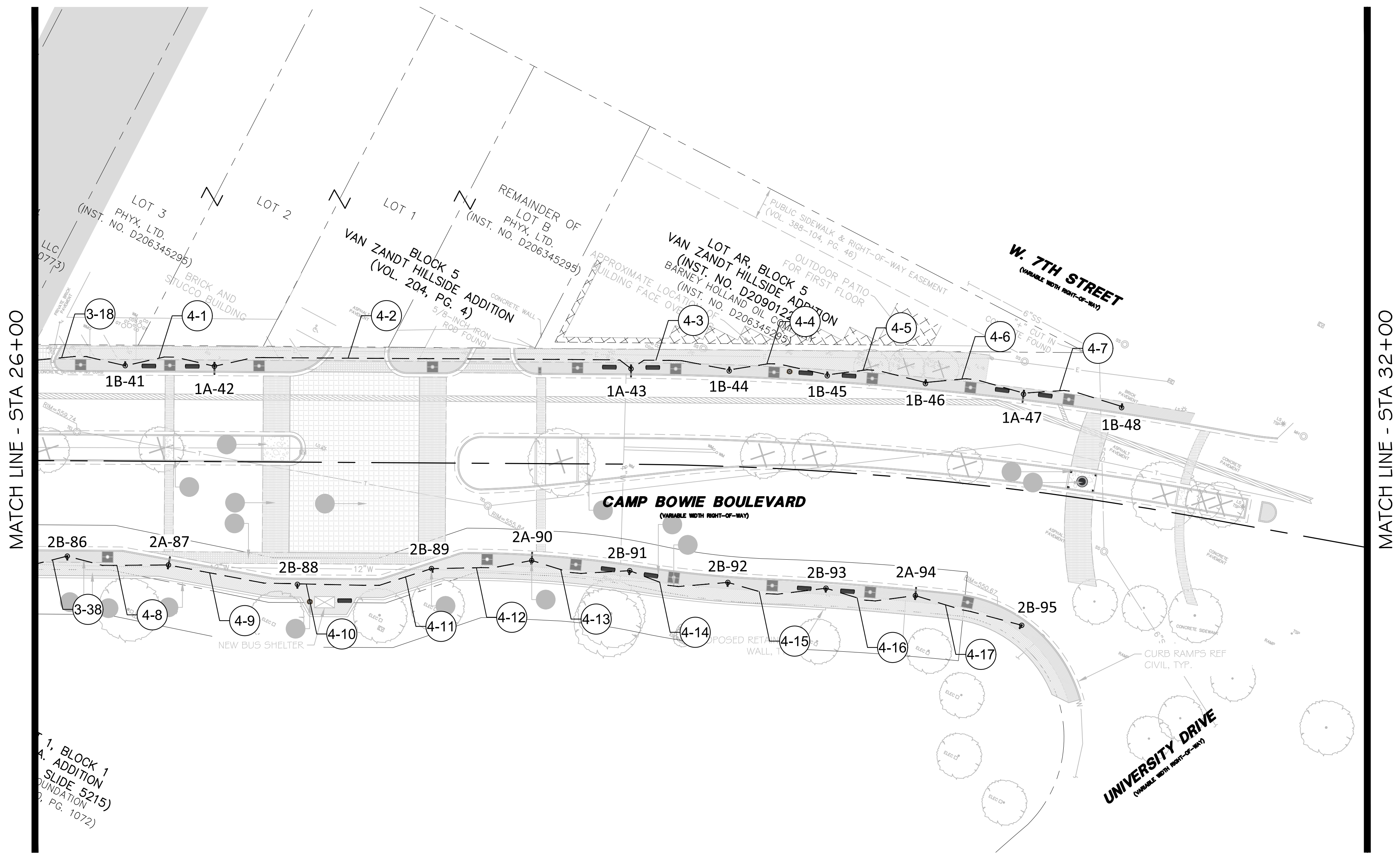
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



### LEGEND

-  18' LIGHT POLE
-  30' LIGHT POLE
-  ELECTRICAL METER SYMBOLS
-  GROUNDBOX
-  2" TRENCH
-  2" BORE
-  FENCELINES
-  OVERHEAD ELECTRIC
-  WATERLINE
-  SANITARY SEWER
-  STORM DRAIN
-  ROW LINE
-  STRUCTURAL POLE
-  TRANSFORMER
-  TREE WELL (SEE LANDSCAPE PLANS)
-  BENCH (SEE LANDSCAPE PLANS)



**ILLUMINATION PLAN**  
1" = 30'-0"

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TEXAS REGISTRATION NO. 140982  
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NO.	DATE	ISSUE

NO.	DATE	REVISION

**Pacheco Koch** a Westwood company

4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
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TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

**ILLUMINATION PLAN**  
**26+00 - 32+00**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
TNB	BAH	MAY 2023	5085-22.692	<b>36</b>

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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

SUMMARY OF SIGNAL CONDUIT AND CABLES

Table with columns: POLE, TYPE, SERVICE, SERVICE, LUM, LUM, LUM, LUM, LUM. Rows 1-1 to 2-31.

SUMMARY OF SIGNAL CONDUIT AND CABLES

Table with columns: POLE, TYPE, SERVICE, SERVICE, LUM, LUM, LUM, LUM, LUM. Rows 2-32 to 4-17.

CABLE TOTALS (LF) 6040 0 0 0 0 5795 5795 5795 5795

CONDUIT TOTALS (LF) Table with notes and trench/bore specifications.

LUMINAIRE POLE LIGHTING SUMMARY

Summary table with columns: POLE TYPE, POLE QUANTITY, FOUNDATION TYPE, FOUNDATION QUANTITY, LUMINAIRE TYPE, LUMINAIRE QTY, GROUND FIXTURES, METELED PEDESTAL.

POLE DATA

Table with columns: POLE, LUMENBLADE-MEDIUM (S80, XL200), BANNER, POLE HEIGHT. Rows 1A-1 to 1D-48.

- Notes: 1. All 18' poles will be square (6") aluminum. 2. All 30' poles will be square (6") steel. 3. All Lumenblade-medium S80 fixtures to be mounted at 18'. 4. All Lumenblade-medium XL200 fixtures to be mounted at 30'. 5. Pole naming convention is described as follows: (# A - #) = (Service# Circuit - Pole#)

POLE DATA

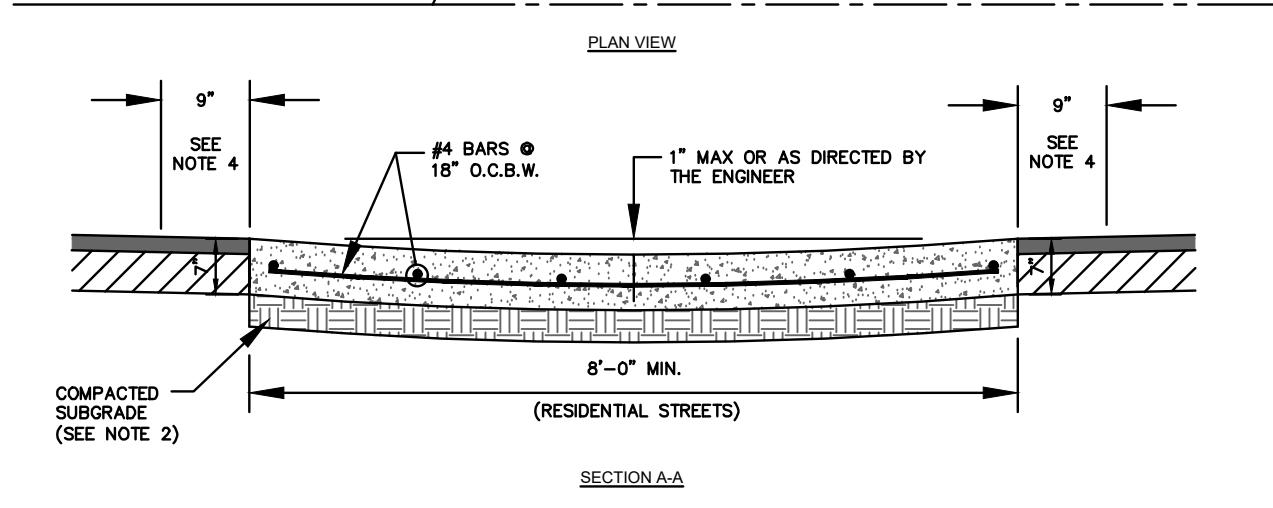
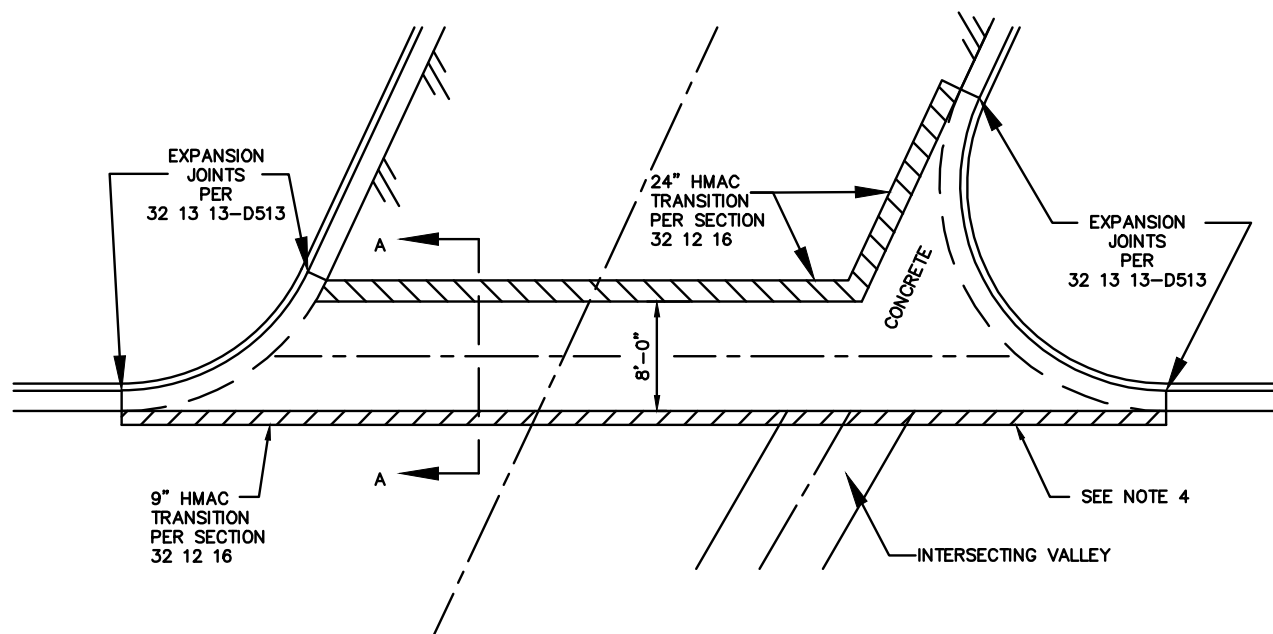
Table with columns: POLE, LUMENBLADE-MEDIUM (S80, XL200), BANNER, POLE HEIGHT. Rows 2A-49 to 2B-95.

- Notes: 1. All 18' poles will be square (6") aluminum. 2. All 30' poles will be square (6") steel. 3. All Lumenblade-medium S80 fixtures to be mounted at 18'. 4. All Lumenblade-medium XL200 fixtures to be mounted at 30'. 5. Pole naming convention is described as follows: (# A - #) = (Service# Circuit - Pole#)

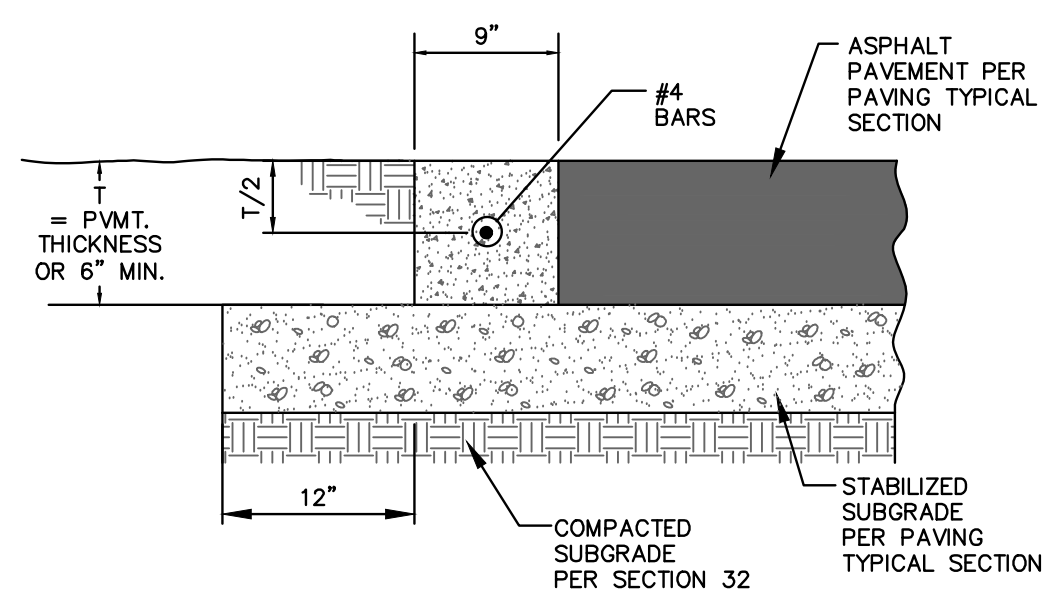
PRELIMINARY NOT FOR CONSTRUCTION THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF SCHEMATIC REVIEW ONLY AND IS NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.

Pacheco Koch logo, DESIGN CHARTS 26+00 - 32+00, CAMP BOWIE BLVD ROADWAY IMPROVEMENTS MONTGOMERY ST TO UNIVERSITY DR, FORT WORTH, TARRANT COUNTY, TEXAS, DESIGN/TNB, DRAWN/BAH, DATE/MAY 2023, JOB NO./5085-22.692, SHEET NO./37.

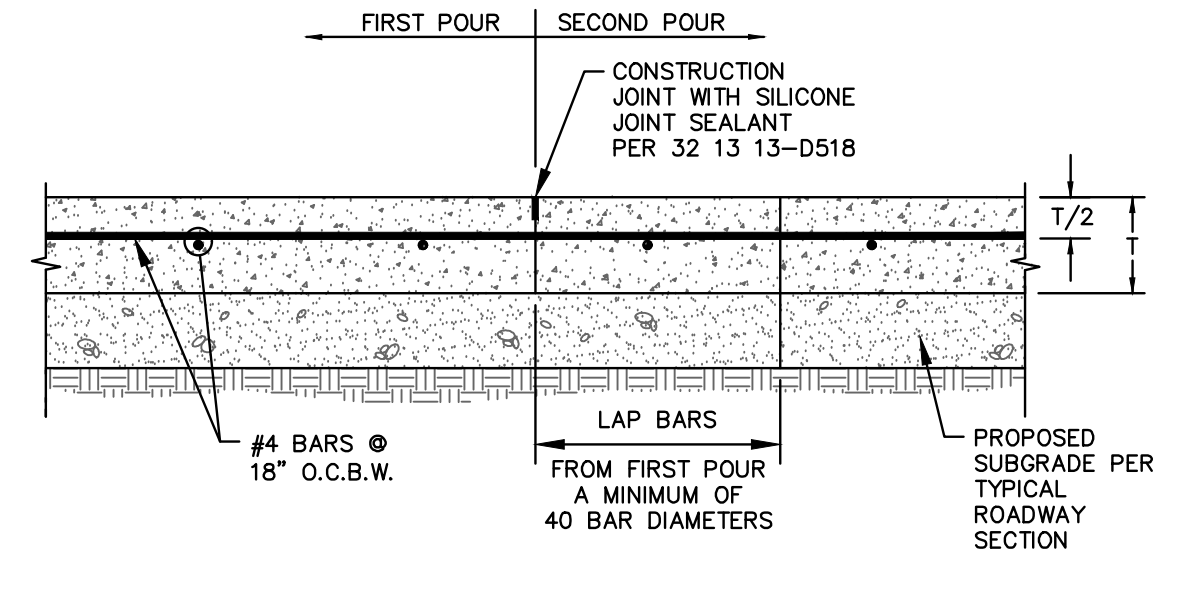
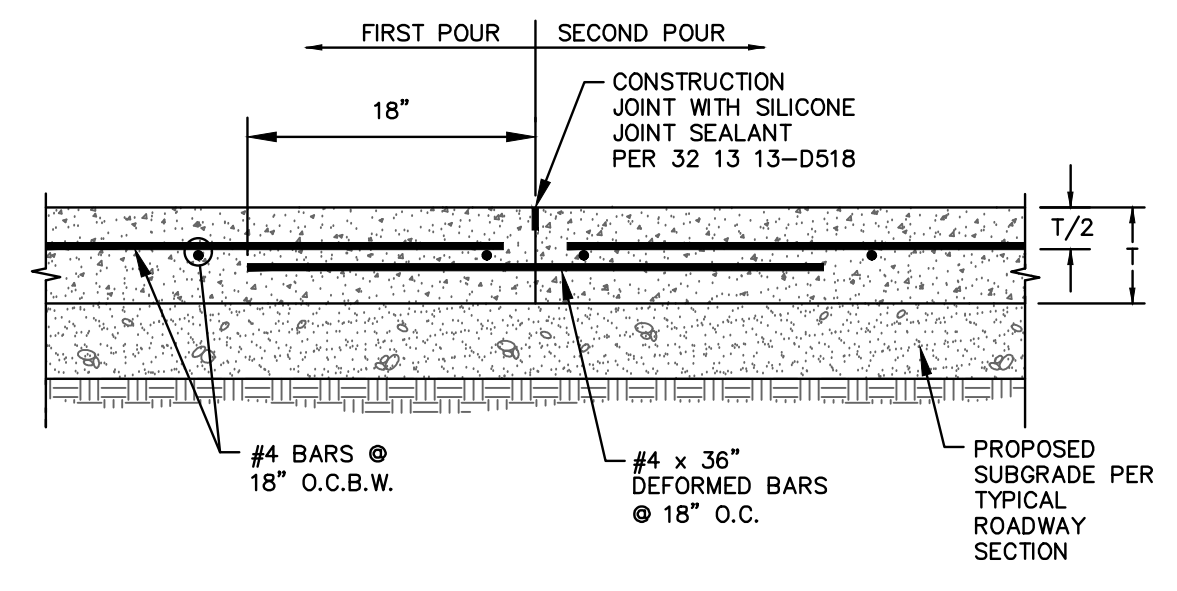
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



- NOTES:**
1. THE 7" REINFORCED CONCRETE VALLEY SHALL REPLACE THE TOP 7" OF THE PAVEMENT WITH THE REMAINING PORTION OF PAVEMENT TO BE CONSTRUCTED INCLUDING SUBGRADE TREATMENT, IN ACCORDANCE WITH THE TYPICAL PAVING SECTION.
  2. 6" FLEX BASE, TYPE A, OR-1 OR MATCH THE PREPARED SUBGRADE REQUIREMENTS FOR THE PAVEMENT SECTION. TYPE D OR TYPE B ASPHALT OR PREPARED SUBGRADE MAY BE USED.
  3. PAY LIMITS FROM EXPANSION JOINT TO EXPANSION JOINT.
  4. 9" AND 24" HMAc TRANSITION SUBSIDIARY TO CONCRETE VALLEY GUTTER. CITY MAY APPROVE ADDITIONAL HMAc TRANSITION BEYOND THESE LIMITS UNDER SEPARATE PAY ITEM FOR HMAc TRANSITION PER SECTION 32 12 16.
  5. GUTTER TO BE SHAPED TO CONFORM WITH CONCRETE VALLEY (OR PAVEMENT).



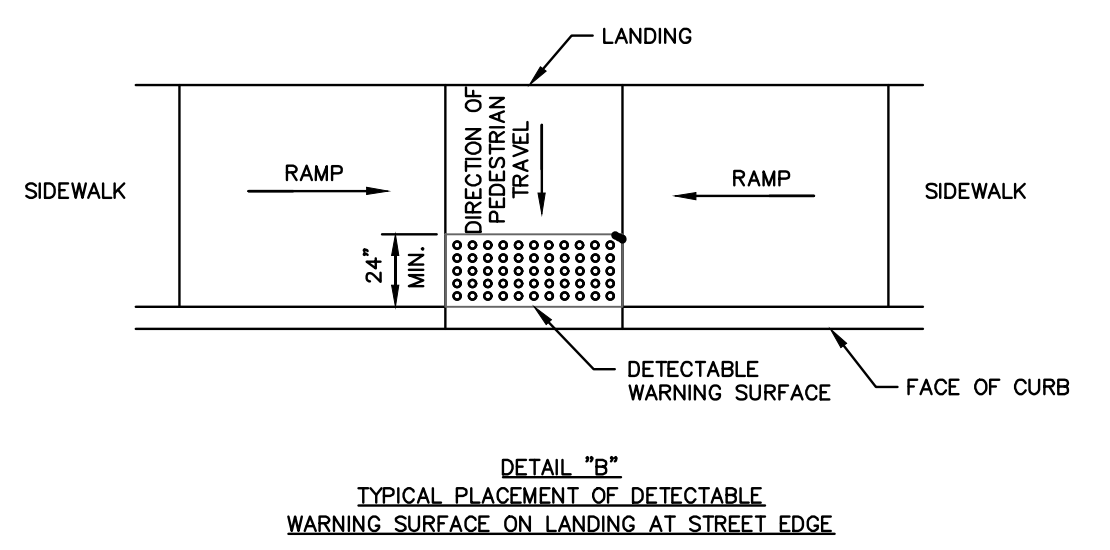
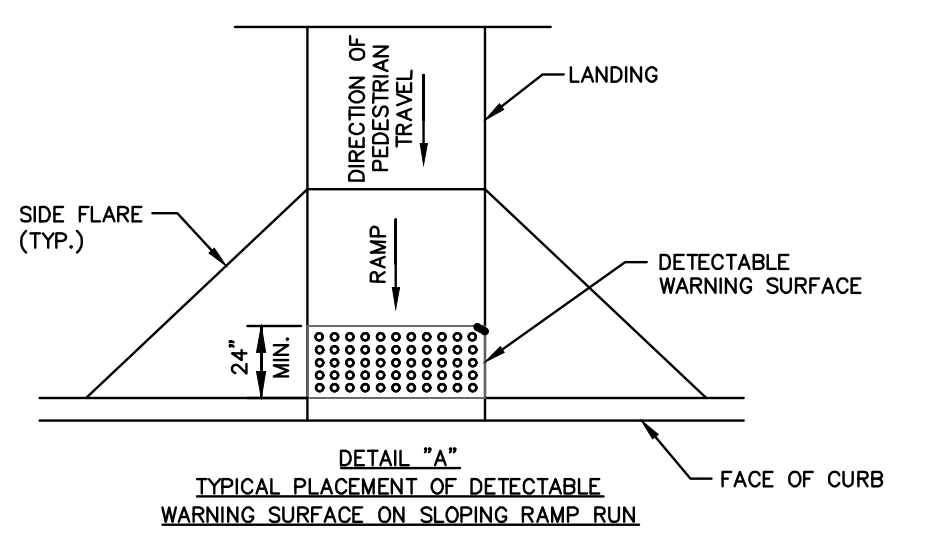
- NOTES:**
1. PLACE CONCRETE TYPE H PER SECTION 32 13 13.
  2. PLACE EXPANSION JOINTS AT 200-FOOT INTERVALS AND AT INTERSECTION RETURNS AND OTHER RIGID STRUCTURES.
  3. PLACE TOOLED JOINTS AT 15-FOOT INTERVALS TO A DEPTH OF 1 1/2 INCHES.
  4. PLACE EXPANSION JOINTS AT ALL INTERSECTIONS WITH CONCRETE DRIVEWAYS.
  5. MAKE EXPANSION JOINTS NO LESS THAN 1/2 INCH IN THICKNESS, EXTENDING THE FULL DEPTH OF THE CONCRETE.
  6. NEATLY TRIM ANY EXPANSION MATERIAL EXTENDING ABOVE THE FINISHED TO THE SURFACE OF THE FINISHED WORK.
  7. PLACE LONGITUDINAL DOWELS ACROSS THE EXPANSION JOINTS.
  8. INSTALL 3 NO. 4 ROUND, SMOOTH BARS, 24 INCHES IN LENGTH, FOR DOWELS AT EACH EXPANSION JOINT.
  9. COAT 1/2 OF THE DOWEL WITH A BOND BREAKER AND TERMINATE WITH A DOWEL CAP THAT PROVIDES A MINIMUM OF 1 INCH FREE EXPANSION.
  10. SUPPORT DOWELS BY AN APPROVED METHOD.



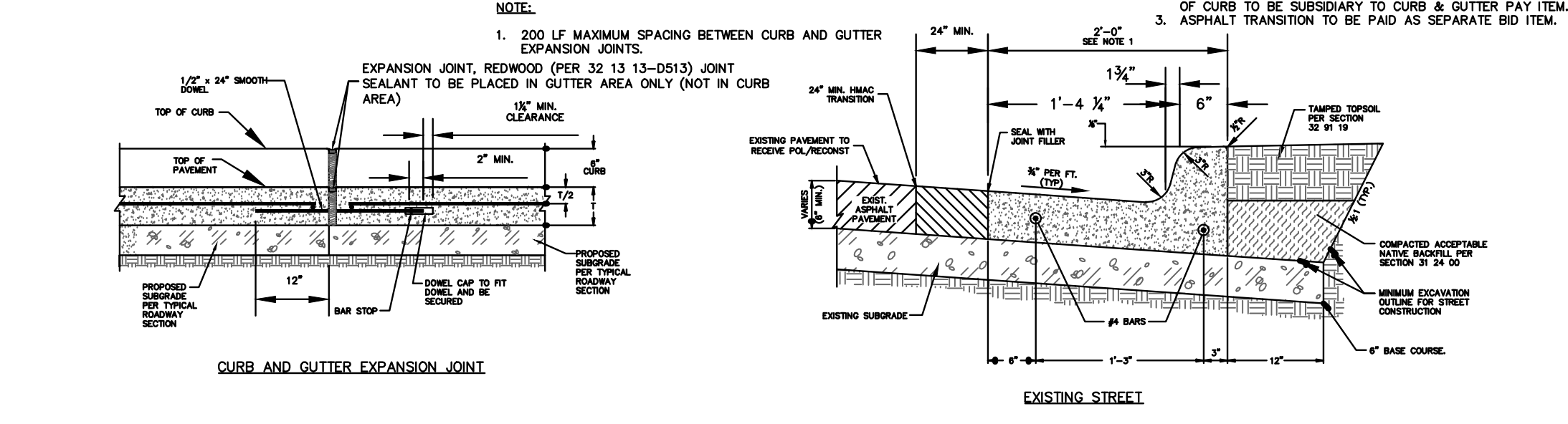
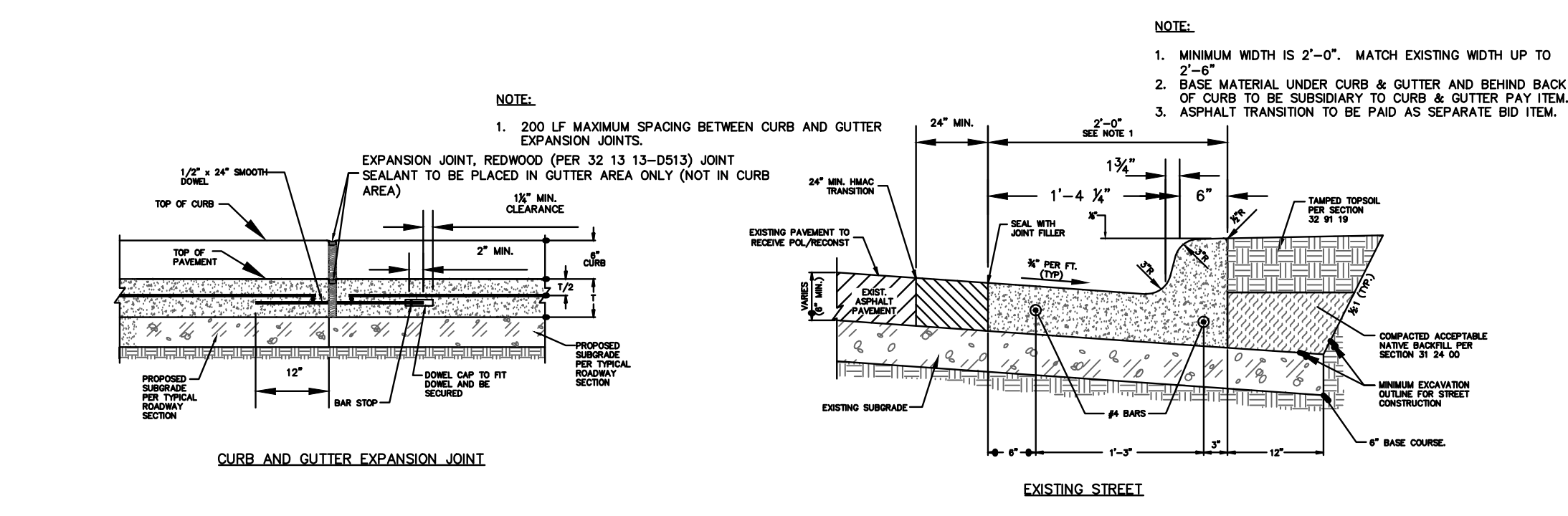
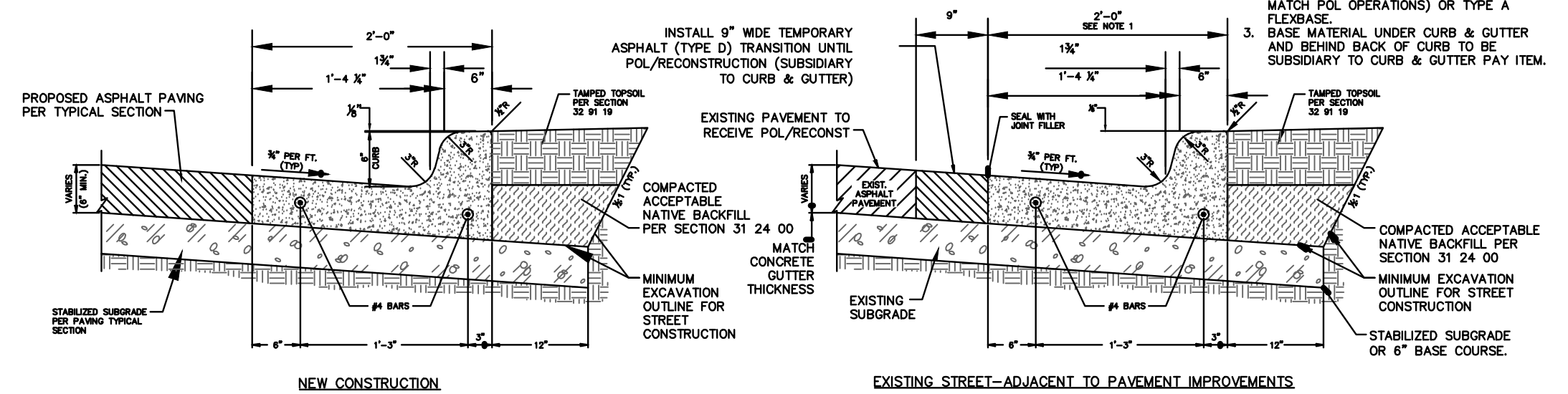
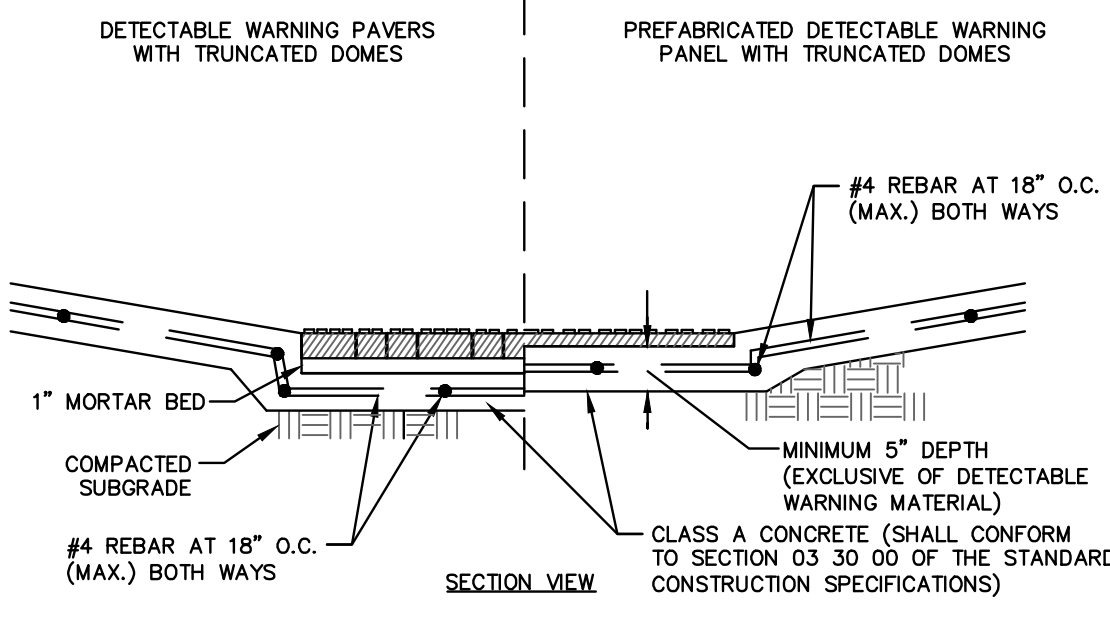
**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**CONCRETE VALLEY GUTTER**  
 REVISED: 08-31-2012  
**32 16 13-D530**

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**CONCRETE EDGE/RETAINER FOR ASPHALT PAVING**  
 REVISED: 08-31-2012  
**32 13 13-D510**

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**CONSTRUCTION JOINT**  
 REVISED: 08-31-2012  
**32 13 13-D511**



- NOTES:**
1. CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOMES COMPLYING WITH SECTION 705 OF THE 2012 TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES, INCLUDING SIDE FLARES. FURNISH AND INSTALL AN APPROVED DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS.
  2. DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
  3. ALIGN THE ROWS OF TRUNCATED DOMES TO BE PERPENDICULAR TO THE GRADE BREAK BETWEEN THE RAMP RUN AND THE STREET.
  4. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
  5. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS AT THE EXTENSION OF THE BACK OF CURB. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG A CORNER RADIUS.
  6. FURNISH DETECTABLE WARNING PAVEMENT UNITS MEETING ALL REQUIREMENTS OF ASTM C-936. LAY IN A TWO BY TWO UNIT BASKET WAVE PATTERN OR AS DIRECTED BY ENGINEER.
  7. LAY FULL-SIZE UNIT FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT. CUT DETECTABLE WARNING PAVEMENT UNITS USING A POWER SAW. DETAILS ARE PROVIDED HEREIN FOR THE PLACEMENT OF PAVERS. FOR OTHER MATERIALS, REFER TO THE MANUFACTURER'S PRODUCT MANUAL FOR PROPER INSTALLATION.
  8. SEE TPW STANDARD PRODUCTS LIST FOR PRE-APPROVED DWS PRODUCTS.



**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**STANDARD CURB AND GUTTER**  
 REVISED: 03-10-2022  
**32 16 13-D534**

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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

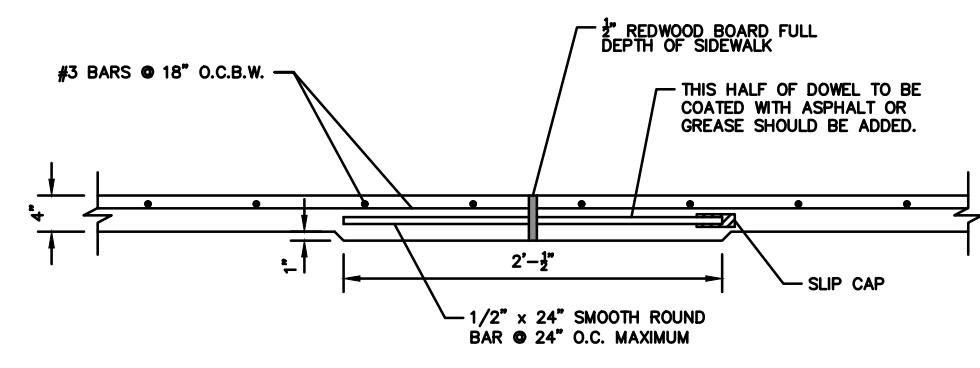
**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**DETECTABLE WARNING SURFACE**  
 REVISED: 12-09-22  
**32 13 20-D545**

NO.	DATE	REVISION

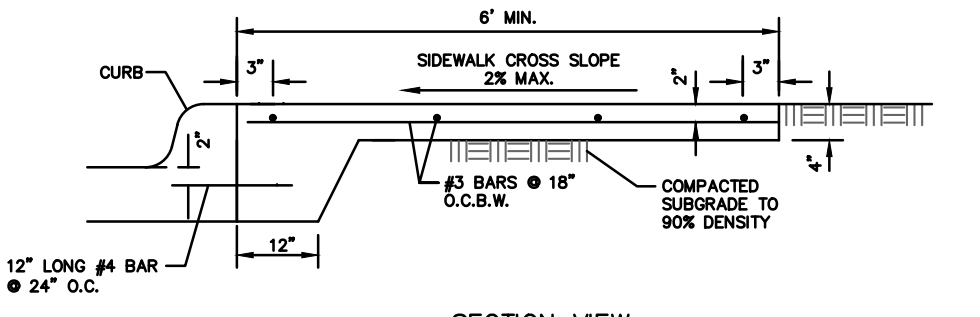
<b>Pacheco Koch</b> a Westwood company				
4860 BRYANT IRVIN ROAD FORT WORTH, TX 76109 817.412.7155 TX REG. ENGINEERING FIRM F-469 TX REG. SURVEYING FIRM LS-10008001				
<b>CONSTRUCTION DETAILS</b>				
<b>CAMP BOWIE BLVD ROADWAY IMPROVEMENTS</b>				
<b>MONTGOMERY ST TO UNIVERSITY DR</b>				
<b>FORT WORTH, TARRANT COUNTY, TEXAS</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	38

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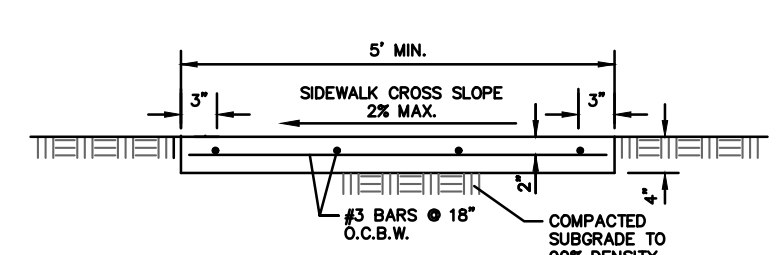
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



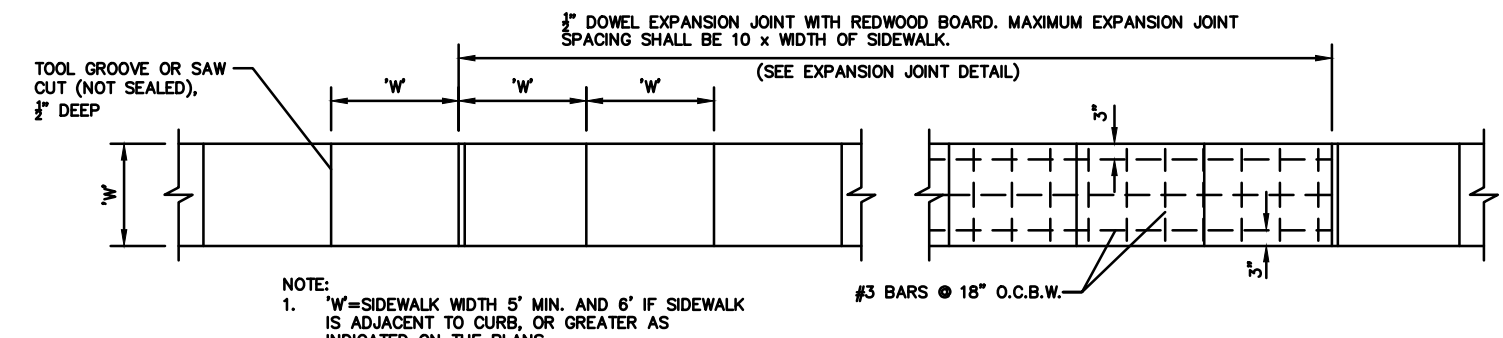
EXPANSION JOINT DETAIL



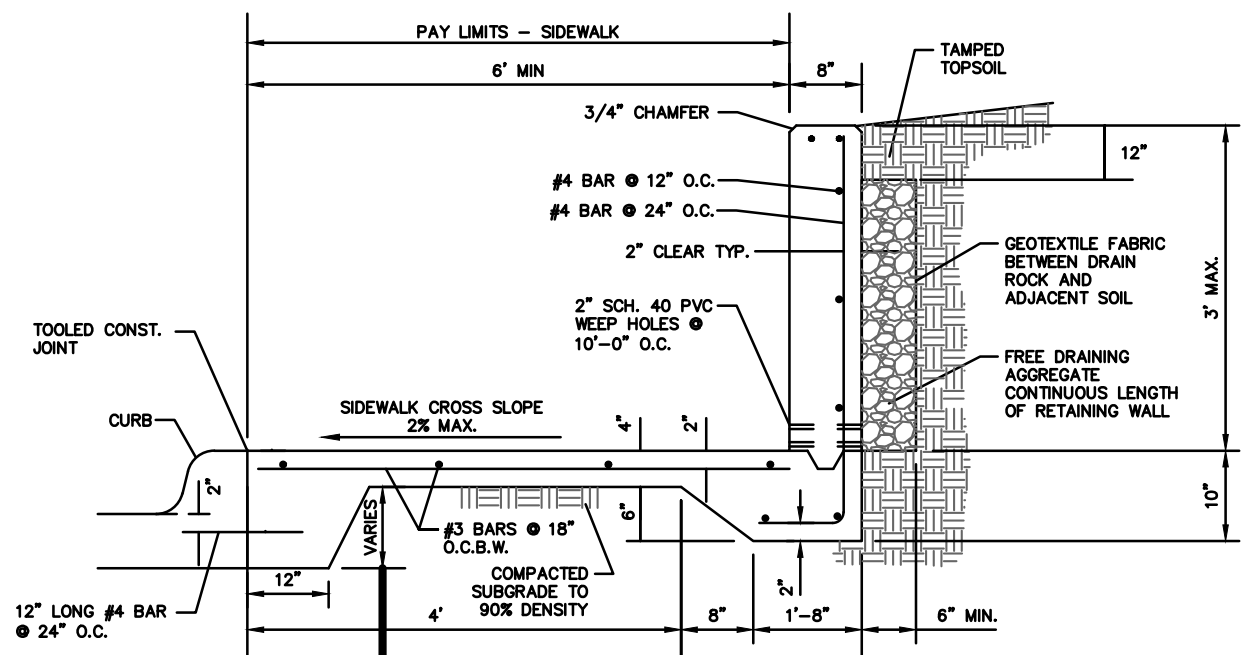
SECTION VIEW  
SIDEWALK ADJACENT TO CURB



SECTION VIEW  
SIDEWALK

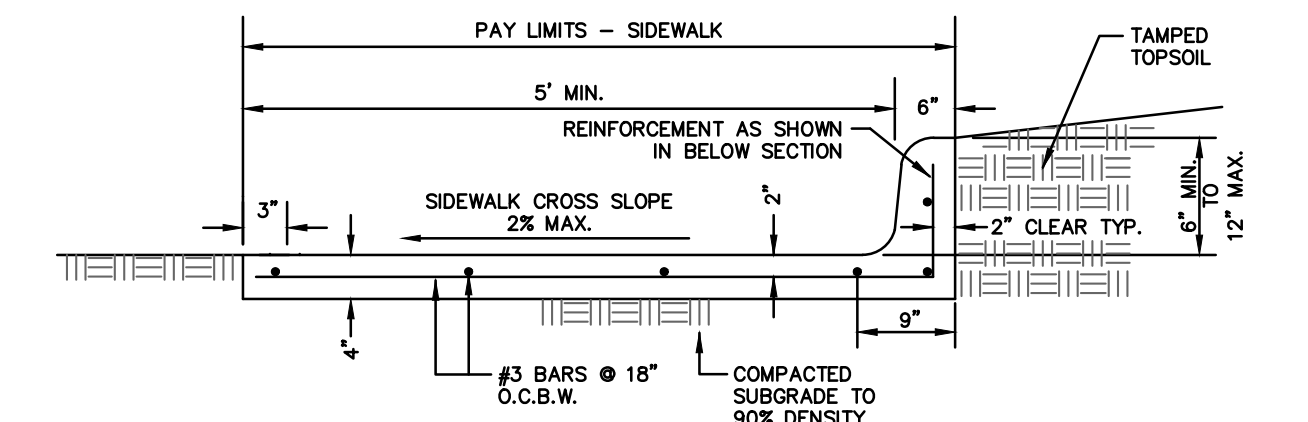


PLAN  
REINFORCED CONCRETE SIDEWALK

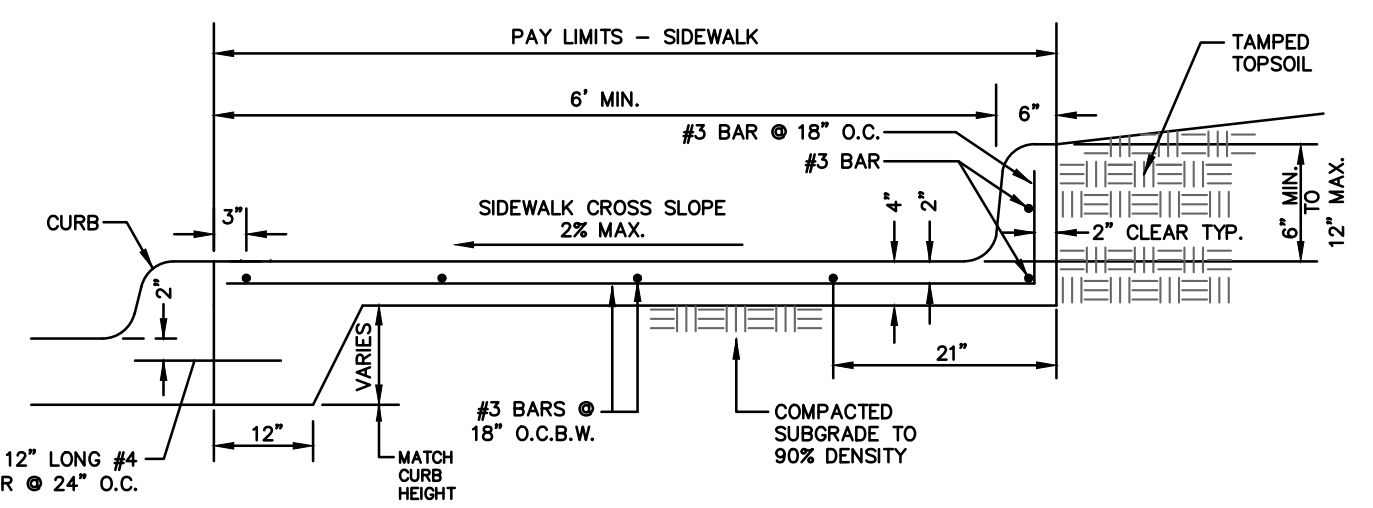


SECTION VIEW  
SIDEWALK ADJACENT TO CURB WITH RETAINING WALL

- NOTES:
1. SIDEWALK PAID PER SQUARE FOOTAGE OF WALKWAY.
  2. RETAINING WALL PAID PER SQUARE FOOTAGE OF WALL FACE.
  3. THICKENED EDGE UNDER SIDEWALK AND RETAINING WALL IS SUBSIDIARY TO SIDEWALK AND WALL, RESPECTIVELY.



SECTION VIEW  
SIDEWALK WITH MONOLITHIC CURB WALL



SECTION VIEW  
SIDEWALK ADJACENT TO CURB WITH MONOLITHIC CURB WALL

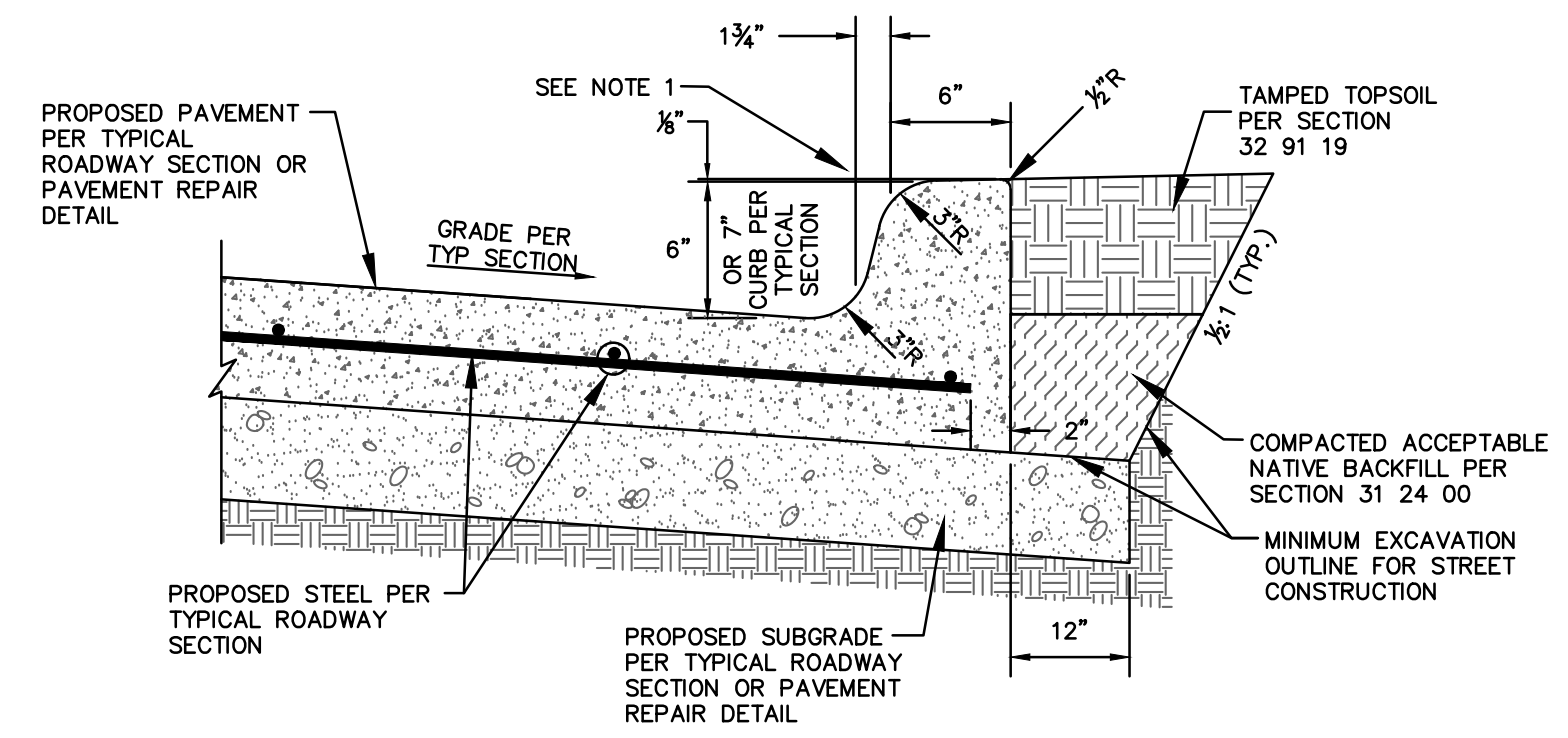
- NOTES:
1. SIDEWALK AND CURB WALL TO BE PAID WITH SEPARATE BID ITEMS:  
SIDEWALK - SQUARE FOOT  
CURB WALL - LINEAR FOOT
  2. FOR CONTINUOUS WALL LENGTH THAT TRANSITIONS TO MORE THAN 12' HEIGHT, USE RETAINING WALL DETAIL FOR ENTIRE LENGTH.

**FORT WORTH**  
CITY OF FORT WORTH, TEXAS  
**SIDEWALK DETAILS**  
(SHEET 1 OF 2)

REVISED: 6-10-2022  
**32 13 20-D546**

**FORT WORTH**  
CITY OF FORT WORTH, TEXAS  
**SIDEWALK DETAILS**  
(SHEET 2 OF 2)

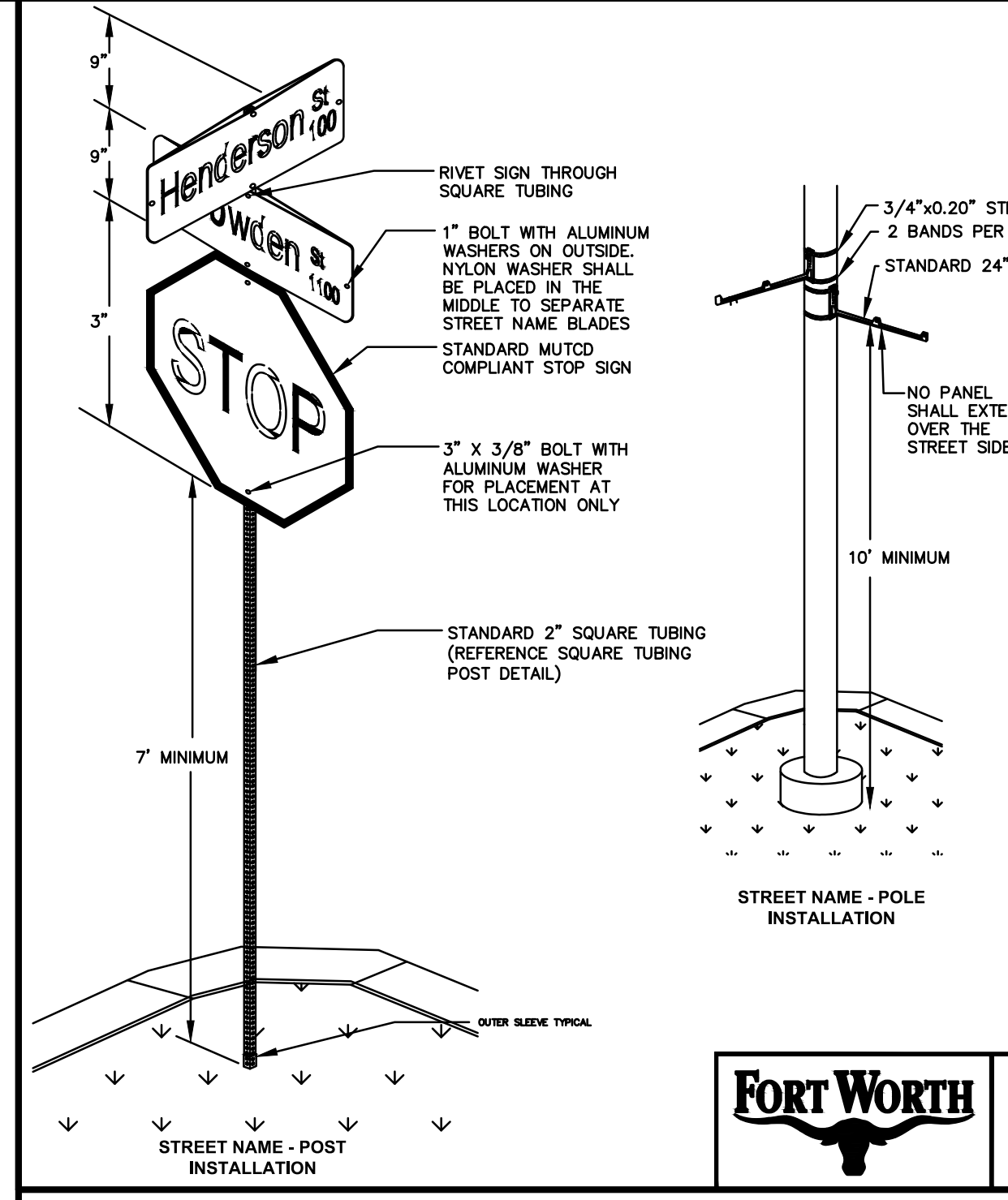
REVISED: 6-10-2022  
**32 13 20-D546**



- NOTES:
1. CITY APPROVAL REQUIRED FOR USE OF CURB MULE WITH DIMENSIONS THAT VARY FROM DETAIL.
  2. MATCH STREET SAWED JOINTS FOR SAWED JOINTS IN CURB.

**FORT WORTH**  
CITY OF FORT WORTH, TEXAS  
**STANDARD MONOLITHIC CURB**

REVISED: 08-31-2012  
**32 13 13-D525**



**FORT WORTH**  
CITY OF FORT WORTH, TEXAS  
**SIGN POST DETAIL**

DATE: 6-9-2015  
**34 41 30-D684**

- NOTES:
1. ALL POSTS AND ANCHORS SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR HOT ROLLED CARBON SHEET STEEL, STRUCTURAL QUALITY ASTM DESIGNATION A570-79.
  2. ALL POSTS AND ANCHORS SHALL CARRY MINIMUM CERTIFIABLE 80,000 PSI YIELD STRENGTH.
  3. ALL POSTS AND ANCHORS SHALL BE MANUFACTURED FROM RAW STEEL, FORMED AND WELDED ON THE CORNER PRIOR TO RECEIVING A TRIPLE COAT PROTECTION OF INLINE HOT-DIP, GALVANIZED ZINC PER ASTM M-120 (0.8 OZ. PER SQUARE FOOT) FOLLOWED BY A CHROMATE CONVERSION COATING AND A CROSS-LINKED POLYURETHANE ACRYLIC EXTERIOR COATING. THE INTERIOR SHALL RECEIVE A DOUBLE COAT OF ZINC BASED ORGANIC COATING, TESTED IN ACCORDANCE WITH ASTM B-117.
  4. ALL TOP POSTS MUST BE CAPABLE OF FRACTURING AT THE POINT OF CONNECTION WITH A SINGLE ANCHOR, WHEN IMPACTED, IN SUCH A MANNER THAT THE PRESS INSIDE OF THE ANCHOR CAN BE REMOVED SO AS TO ALLOW TO RECEIVE A NEW TOP POST.
  5. THE SHAPE OF ALL POSTS AND ANCHORS SHALL BE SQUARE AND STRAIGHT WITH SMOOTH TUBING WELDED IN ONE CORNER WITH A TOLERANCE THAT PERMITS TELESCOPING OF THE NEXT LARGER OR SMALL SIZE, IN 1/4" INCREMENTS.
  6. ALL ANCHORS SHALL BE 12 GAUGE WITH HOLES THAT ARE FULLY PERFORATED 3/4" DIAMETER ON 1" CENTERS FOR AT LEAST THE TOP 4" OF THE ANCHOR WHILE BEING TRULY ALIGNED IN THE CENTER OF THE SECTION.
  7. ALL TOP POSTS SHALL BE 14 GAUGE WITH HOLES THAT ARE PRE PUNCHED ON 1" CENTERS FOR THE ENTIRE LENGTH OF THE POST AND TRULY ALIGNED IN THE CENTER OF SECTION.
  8. STANDARD OUTSIDE CORNER RADII SHALL BE 1/2" PLUS OR MINUS 1/4".
  9. SIGNS TO BE ATTACHED TO POST AT THE DESIRED HEIGHT WITH BOLTS.
  10. SIGN BLANK FOR 2 INCH POST INSTALL: 0.08 FEDERAL SPEC. ALUM. (LP/SP INSTALL 0.125 UNDRILLED).
  11. FONT: HIGHWAY GOTHIC 'C' OR 'B' (DEPENDING ON LENGTH OF NAME)
  12. STREET NAME SIGN SHEETING SHALL BE WHITE 3M DIAMOND GRADE CUBED (DG3) WITH GREEN ELECTRO-OUT (EO) TRANSPARENT FILM AS AN OVERLAY OR AN APPROVED EQUAL.
  13. REFER TO DETAIL D3-1G OF THE TEXAS STANDARD HIGHWAY SIGN DESIGN MANUAL FOR ADDITIONAL SPACING REQUIREMENTS.

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TEXAS REGISTRATION NO. 81821  
DATE: 7/11/2023

NO.	DATE	REVISION

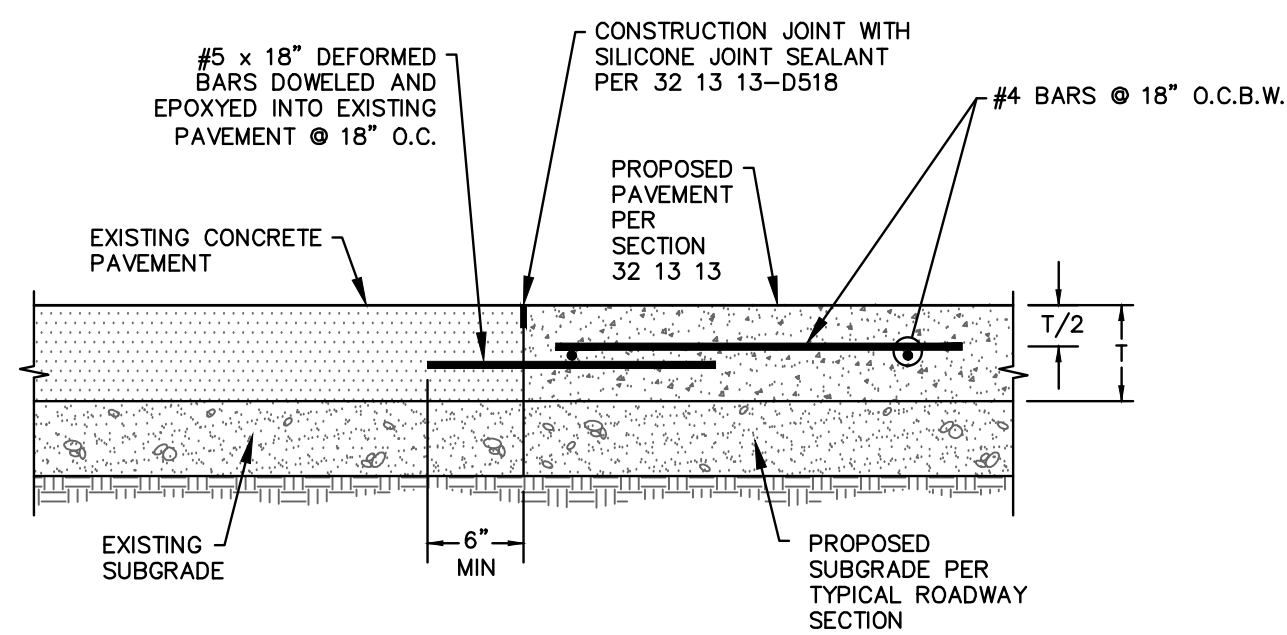
**CONSTRUCTION DETAILS**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

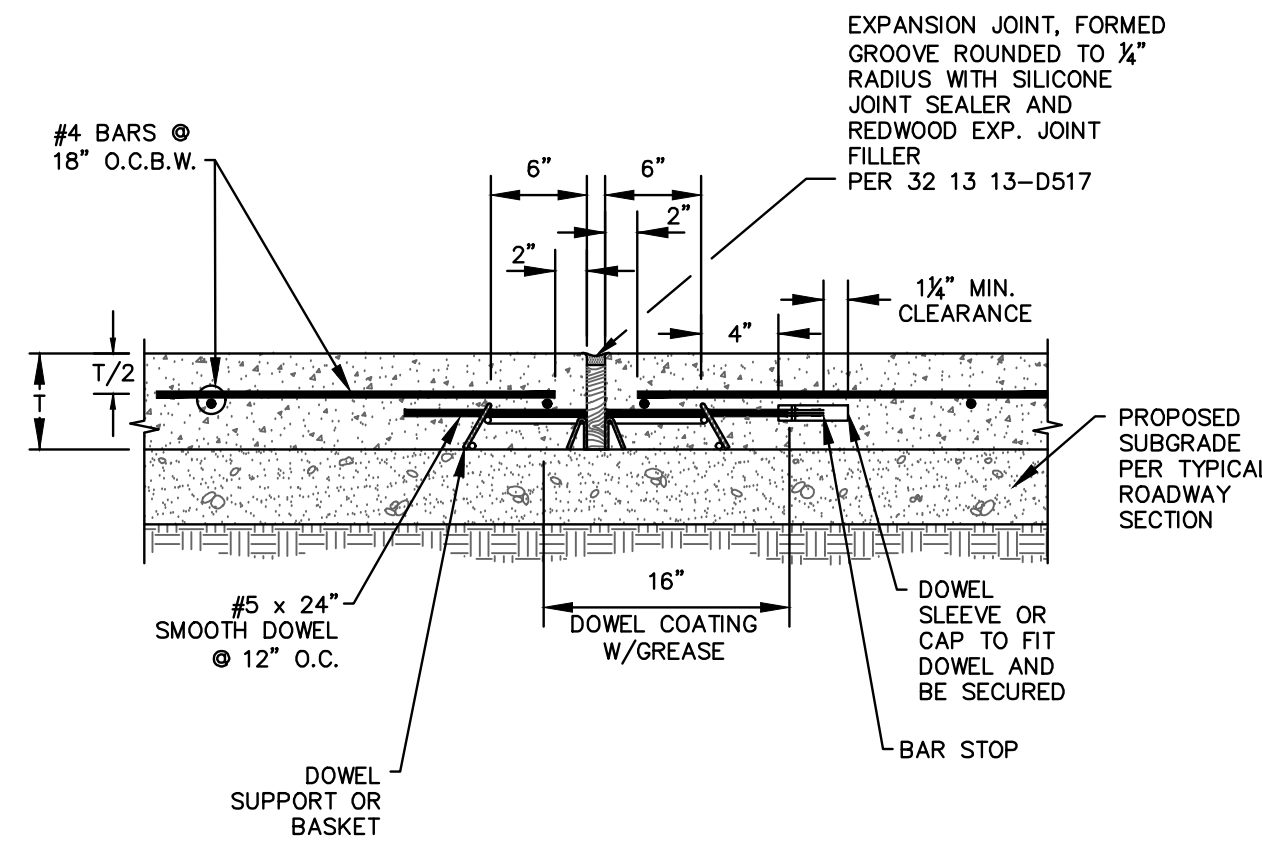
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CTL	CTL	MAY 2023	5085-22.692	39

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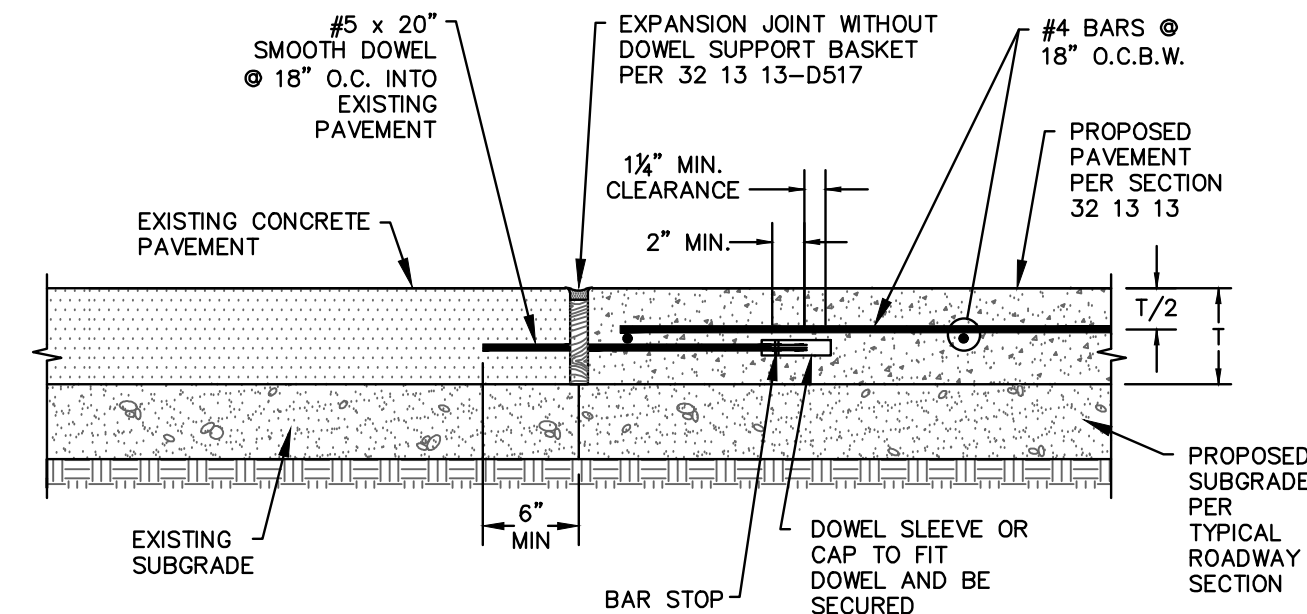
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



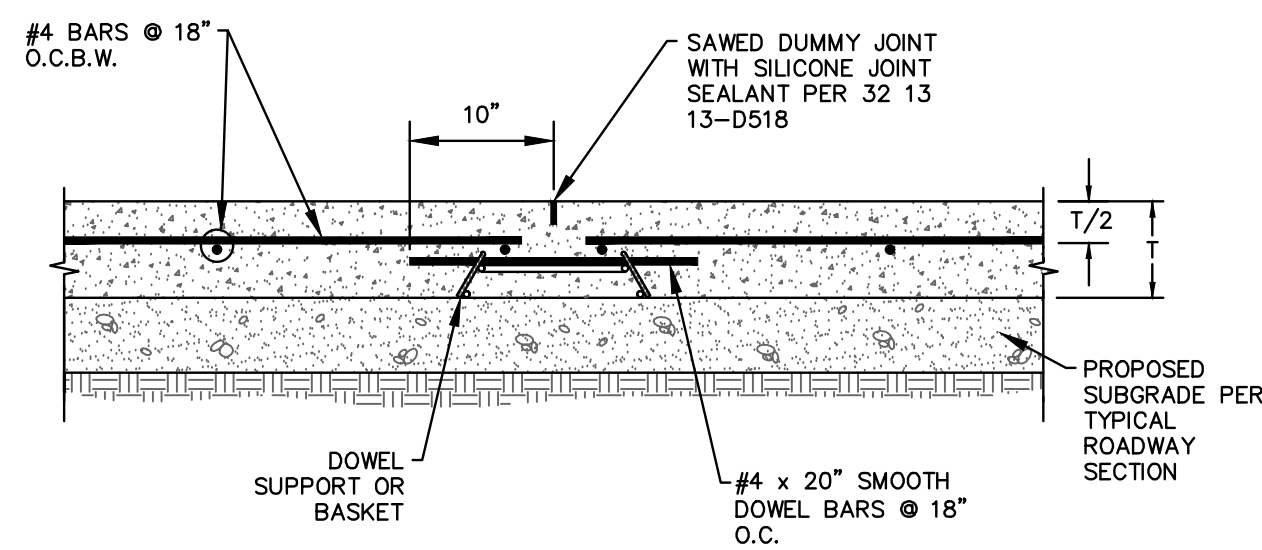
**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**CONSTRUCTION JOINT (BETWEEN EXISTING AND PROPOSED PAVEMENT)**  
 REVISED: 08-31-2012  
**32 13 13-D512**



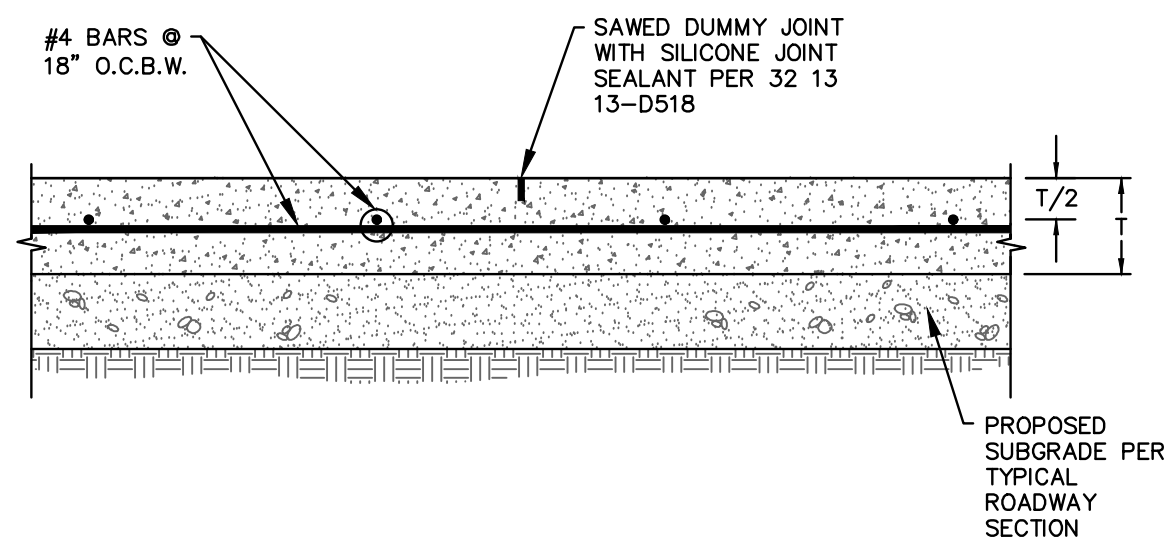
**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**EXPANSION JOINT**  
 REVISED: 08-31-2012  
**32 13 13-D513**



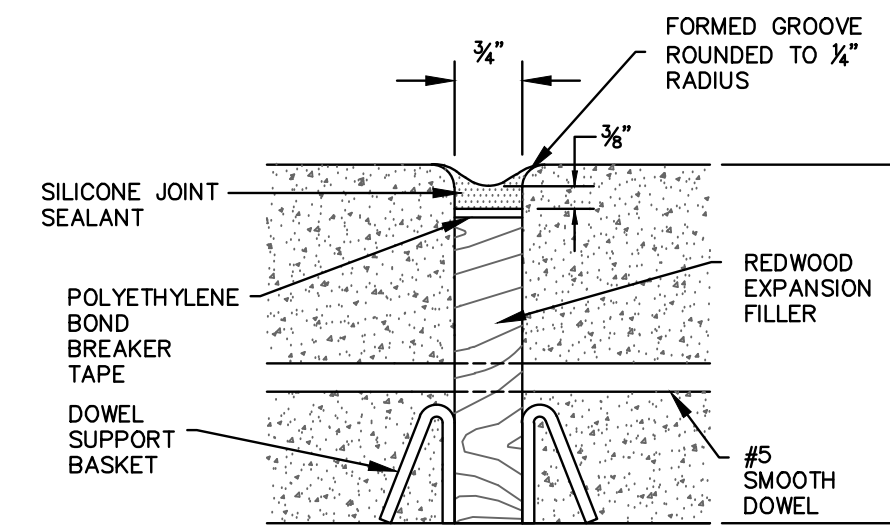
**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**EXPANSION CONSTRUCTION JOINT (BETWEEN EXIST AND PROP PAVEMENT)**  
 REVISED: 08-31-2012  
**32 13 13-D514**



**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**CONTRACTION JOINT**  
 REVISED: 08-31-2012  
**32 13 13-D515**



**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**SAWED DUMMY JOINT**  
 REVISED: 08-31-2012  
**32 13 13-D516**



**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**REDWOOD EXPANSION JOINT DETAIL**  
 REVISED: 08-31-2012  
**32 13 13-D517**

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 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

NO.	DATE	REVISION

**Pacheco Koch** 4869 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 a Westwood company TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**CONSTRUCTION DETAILS**

**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**

**MONTGOMERY ST TO UNIVERSITY DR**

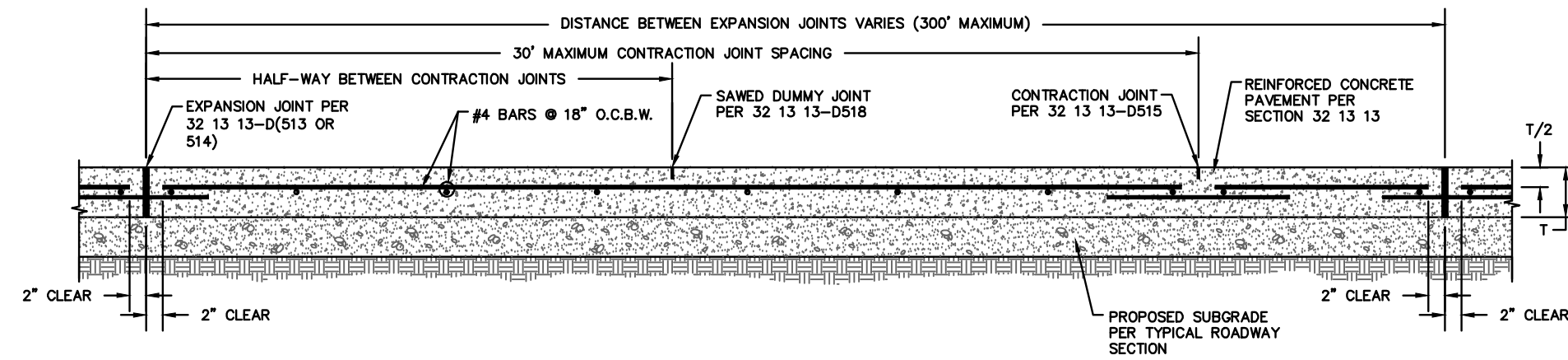
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>40</b>

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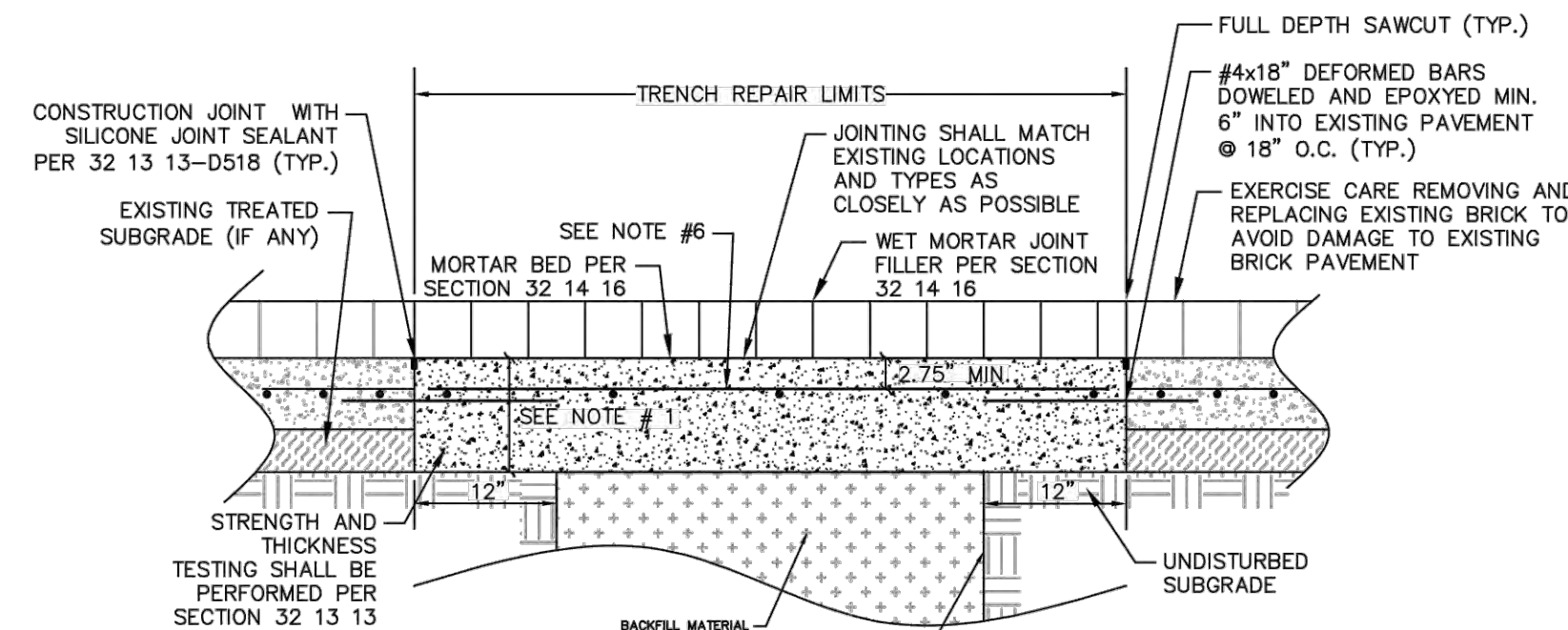
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR





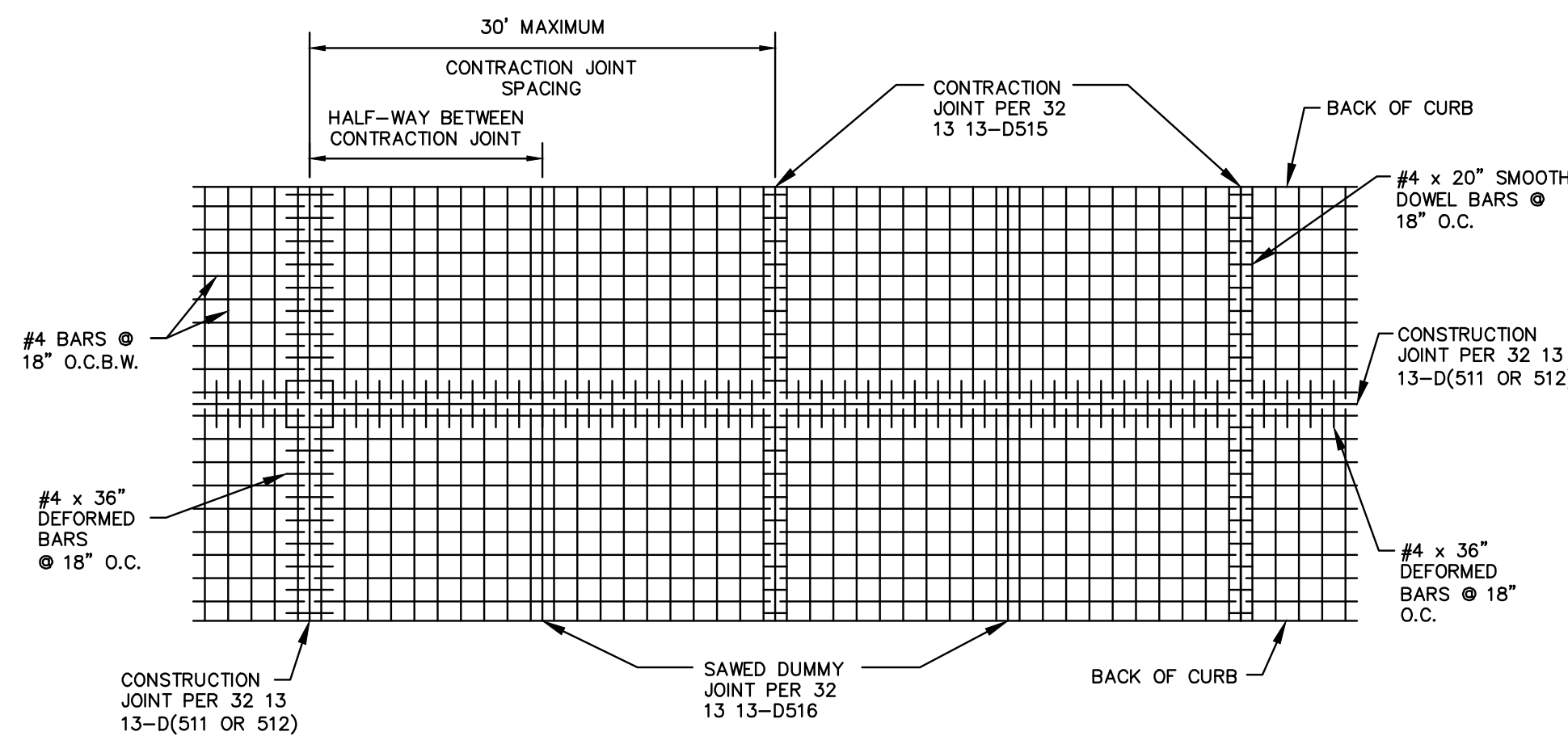
	CITY OF FORT WORTH, TEXAS	REVISED: 08-31-2012
	<b>LONGITUDINAL PAVING SECTION</b>	<b>32 13 13-D519</b>

- NOTES:
1. REINFORCED CONCRETE BASE SHALL BE REPLACED TO A MINIMUM DEPTH OF 9" FOR RESIDENTIAL STREETS OR 11" FOR ARTERIAL AND INDUSTRIAL STREETS.
  2. CONCRETE SHALL BE CLASS "H" PER CITY OF FORT WORTH STANDARD.
  3. FLOWABLE FILL IS REQUIRED TO BACKFILL ALL TRENCHES IN DOWNTOWN STREETS, AND OPTIONAL IN OTHER AREAS. BACKFILL SHALL MEET STANDARD SPECIFICATION 33 05 10.
  4. EXISTING BRICK SHALL BE REMOVED CAREFULLY TO AVOID DAMAGE. DAMAGED BRICK IS TO BE REPLACED WITH UNDAMAGED BRICK TO MATCH ADJACENT BRICK.
  5. MORTAR BED AND WET MORTAR JOINT FILLER PER SPECIFICATION 32 14 16.
  6. FOR RESIDENTIAL STREETS, USE #4X18" PREFORMED BARS, DOWELED AND EPOXYED A MIN 6" INTO EXISTING PAVEMENT AT 18" O.C. AND 12" O.C. FOR ARTERIAL AND INDUSTRIAL STREET (TYP.).

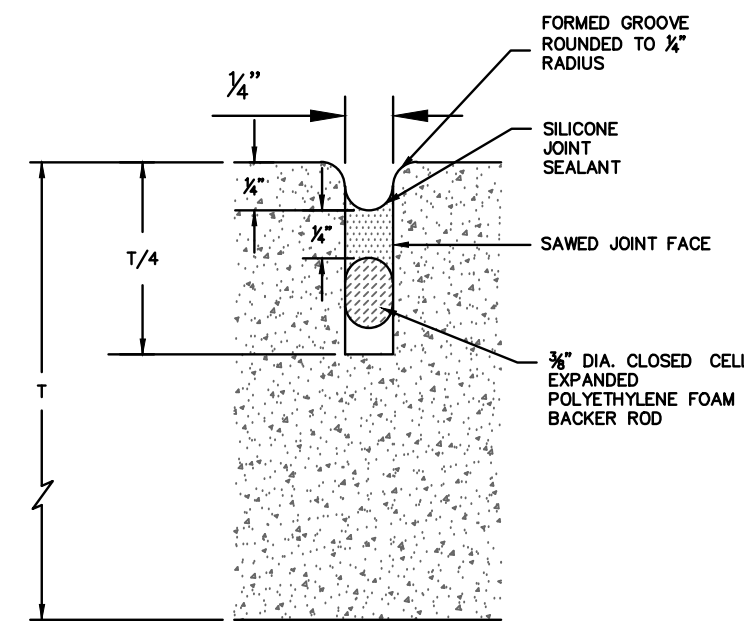


NOTE TO DESIGNER: THIS IS NOT A STAND-ALONE DETAIL. TRENCH DETAILS SHOULD BE ASSEMBLED AS DIRECTED IN "BACKFILL, EMBEDMENT AND SURFACE REPAIR DETAIL ASSEMBLY".  
<https://apps.fortworthtexas.gov/ProjectResources/ResourcesP/02%20-%20Construction%20Documents/Construction%20Plans/Construction%20Details/BACKFILL,%20EMBEDMENT%20AND%20SURFACE%20REPAIR%20DETAIL%20ASSEMBLY.pdf>

	CITY OF FORT WORTH, TEXAS	REVISED: 6-10-22
	<b>BRICK PAVEMENT TRENCH REPAIR</b>	<b>32 14 16-D522</b>



	CITY OF FORT WORTH, TEXAS	REVISED: 08-31-2012
	<b>PAVEMEMNT STEEL REINFORCING GENERAL LAYOUT</b>	<b>32 13 13-D508</b>



	CITY OF FORT WORTH, TEXAS	REVISED: 08-31-2012
	<b>SAWED JOINT DETAIL</b>	<b>32 13 13-D518</b>

**PRELIMINARY**  
 NOT FOR CONSTRUCTION  
 THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF SCHEMATIC REVIEW ONLY AND IS NOT INTENDED FOR PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.  
 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

NO.	DATE	REVISION

4860 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**CONSTRUCTION DETAILS**

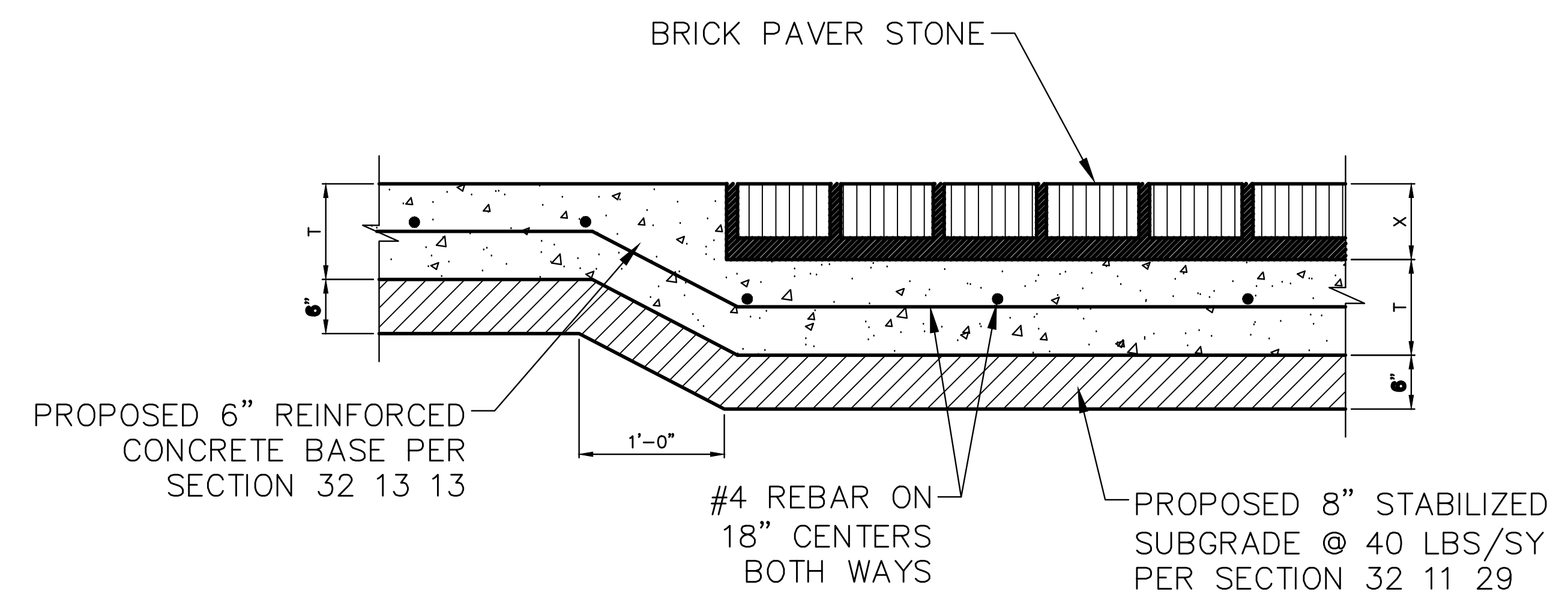
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>41</b>

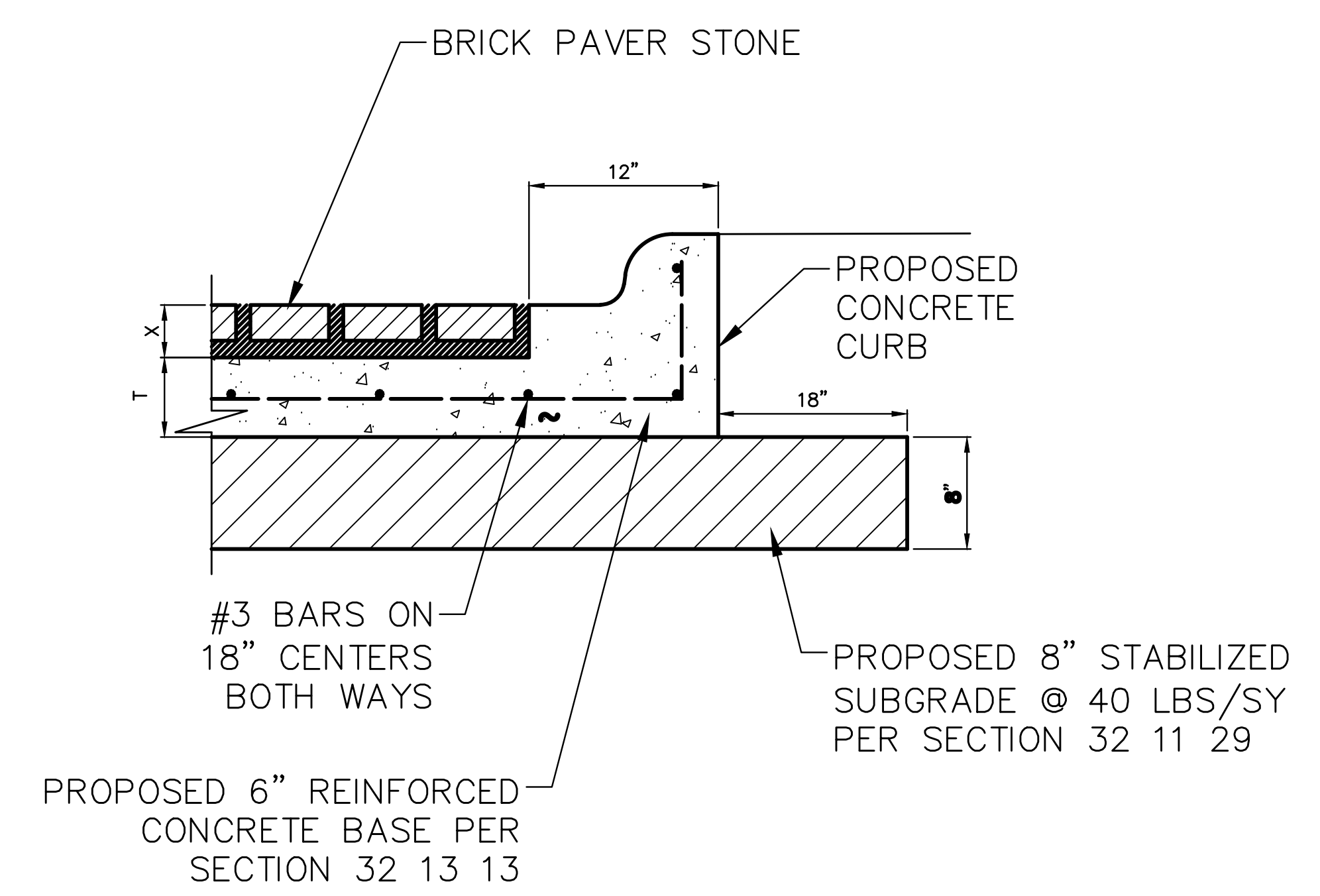
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CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

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**1** **BRICK PAVERS ON CONCRETE PAVEMENT**  
NOT TO SCALE



**2** **CURB & GUTTER FOR BRICK PAVER**  
NOT TO SCALE

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 PLANS PREPARED UNDER THE DIRECT SUPERVISION OF RONALD RAMIREZ, P.E.  
 TEXAS REGISTRATION NO. 81821  
 DATE: 7/11/2023

NO.	DATE	REVISION

**Pacheco Koch**  
 a Westwood company  
 4860 BRYANT IRVIN ROAD  
 FORT WORTH, TX 76109  
 817.412.7155  
 TX REG. ENGINEERING FIRM F-469  
 TX REG. SURVEYING FIRM LS-10008001

**CONSTRUCTION DETAILS**

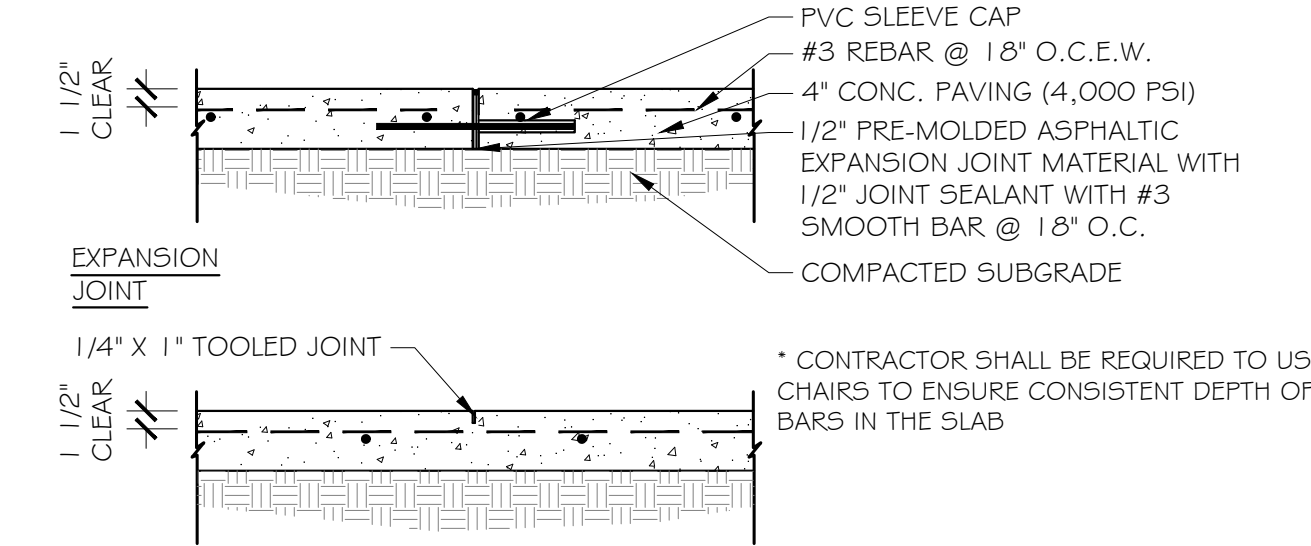
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
CTL	CTL	MAY 2023	5085-22.692	<b>42</b>

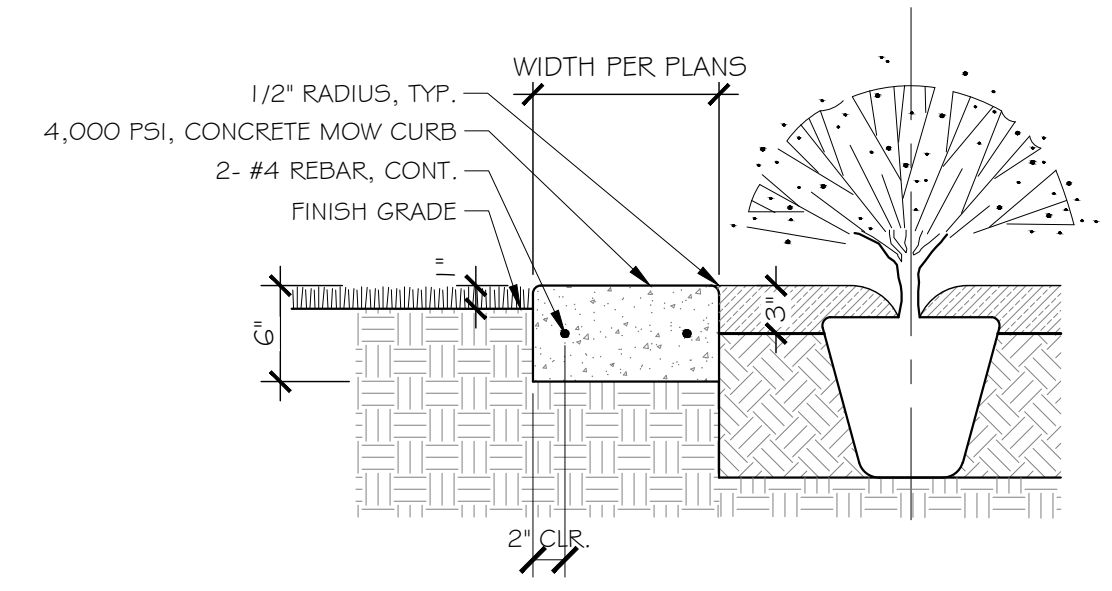
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

- NOTE:
1. COMPACTED SUBGRADE - COMPACT TO 95% STANDARD PROCTOR DENSITY AT 0 TO +/- 2% OPTIMUM MOISTURE CONTENT AS PER ASTM D 698 (TYP.)
  2. EXPANSION JOINTS & CONTROL JOINTS SHALL BE LOCATED ACCORDING TO THE FOLLOWING.
    - EJ: CHANGES IN DIRECTION, MAX 75' O.C., AGAINST CURBS, BUILDINGS, AND MANHOLES.
    - CJ: SPACED EVENLY TO PRODUCE SQUARE MODULES UP TO 8' O.C. MAX

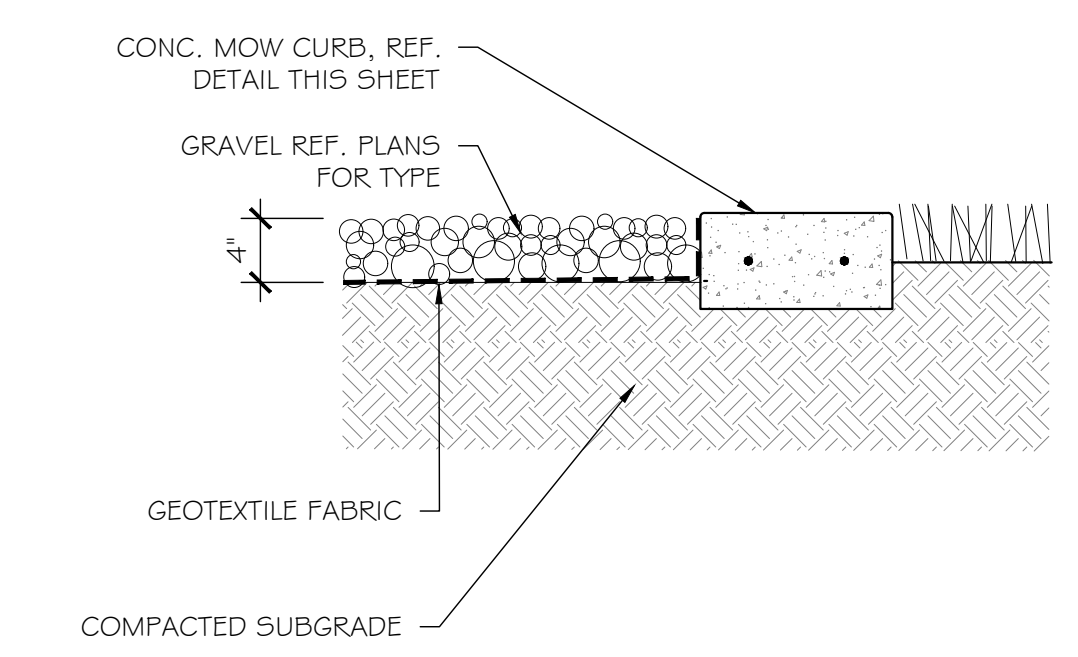
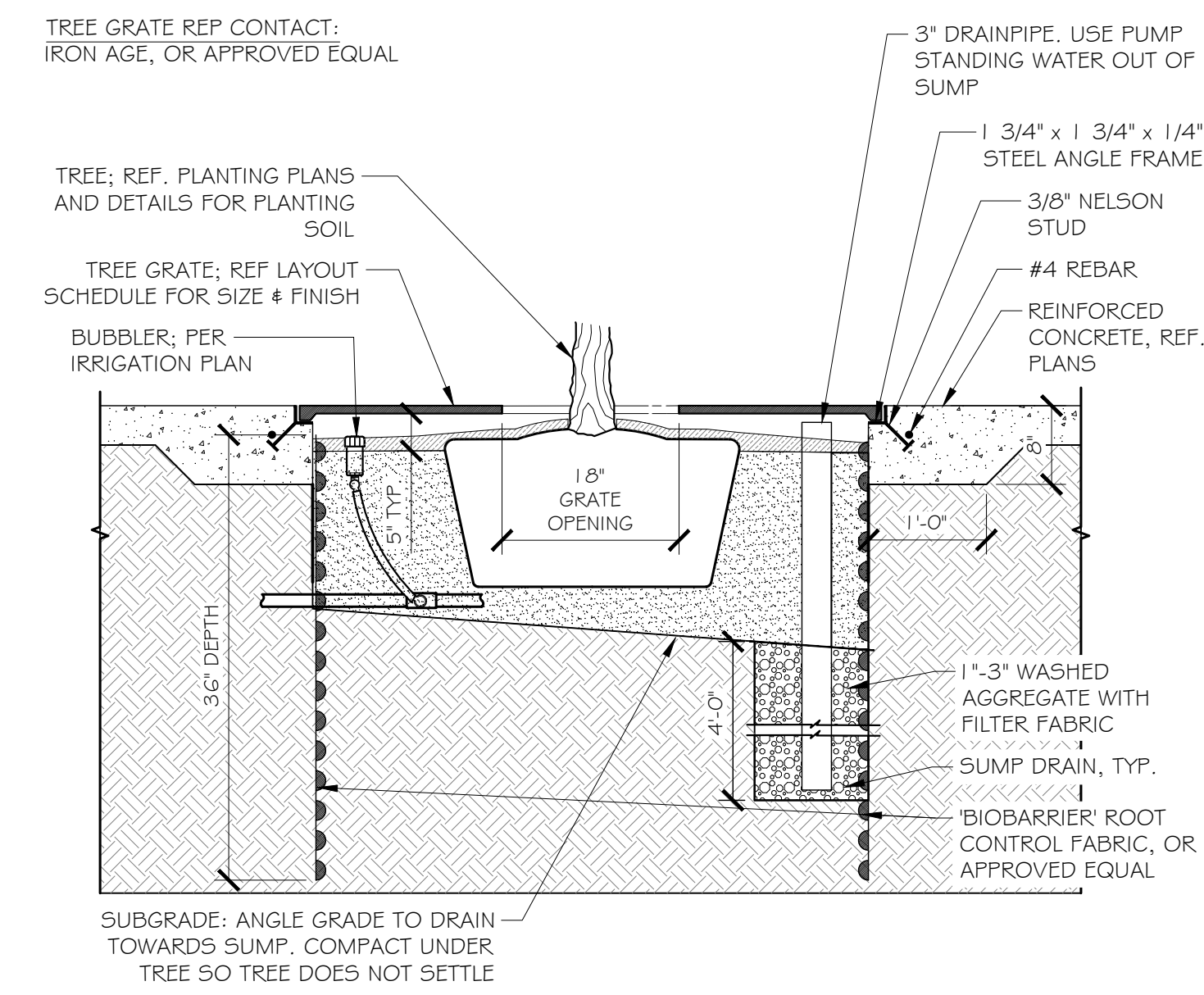
- CONCRETE MIXTURE:
1. COMPRESSIVE STRENGTH 28 DAYS, 4,000 PSI.
  2. MAXIMUM WATER-CEMENTITIOUS MATERIALS RATIO AT POINT OF PLACEMENT 0.45.
  3. SLUMP LIMIT: 5 INCHES PLUS OR MINUS 1 INCH
  4. AIR CONTENT: 5-1/2 PERCENT PLUS OR MINUS 1.5 PERCENT
  5. MEASURE, BATCH, AND MIX CONCRETE MATERIALS AND CONCRETE ACCORDING TO ASTM C 94/C 94M.
  6. MEDIUM BROOM FINISH, PROVIDE SAMPLES PER SPEC



REDWOOD EXPANSION JOINTS NOT ALLOWED



NOTE:  
1. CONTROL JOINTS @ 10' O.C. &  
SEALED EXPANSION JOINTS @ 60' O.C., RE: CONC. PAVING SECTION.



1 CONCRETE PAVING SECTION  
3/4" = 1'-0"

2 CONCRETE MOW CURB  
1" = 1'-0"

3 TREE PLANTER W/GRATE  
3/4" = 1'-0"

4 GRAVEL GROUNDCOVER  
1" = 1'-0" PAY ITEM 1001 6001

INTERIM REVIEW  
THESE DOCUMENTS ARE INTENDED FOR INTERIM REVIEW ONLY AND NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.  
REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
TEXAS REGISTRATION NUMBER 3159

NO.	DATE	REVISION
1	07/11/2023	CMAR SET

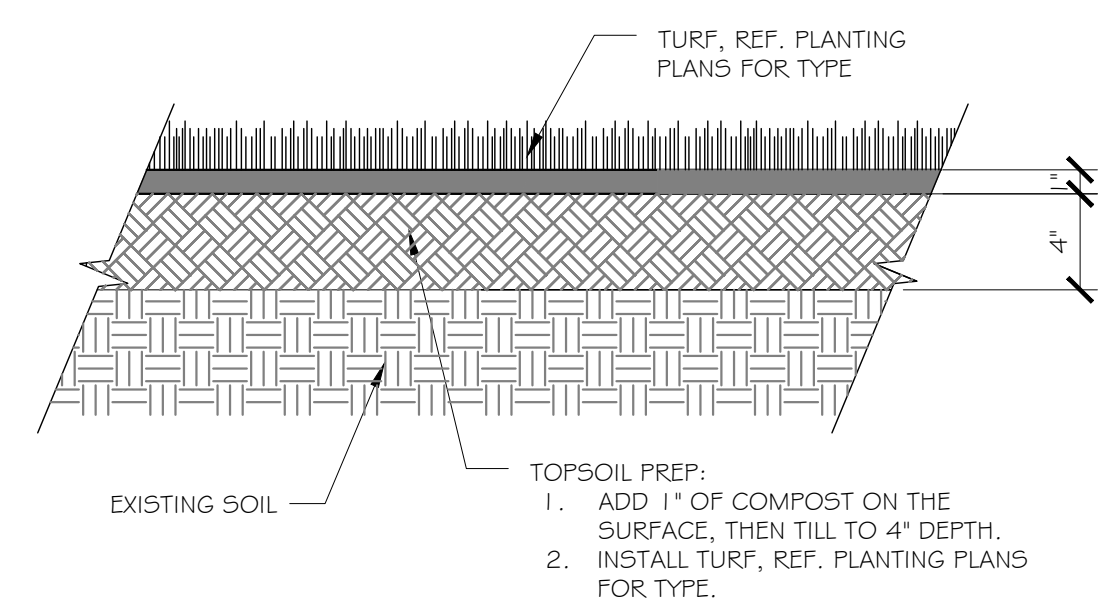
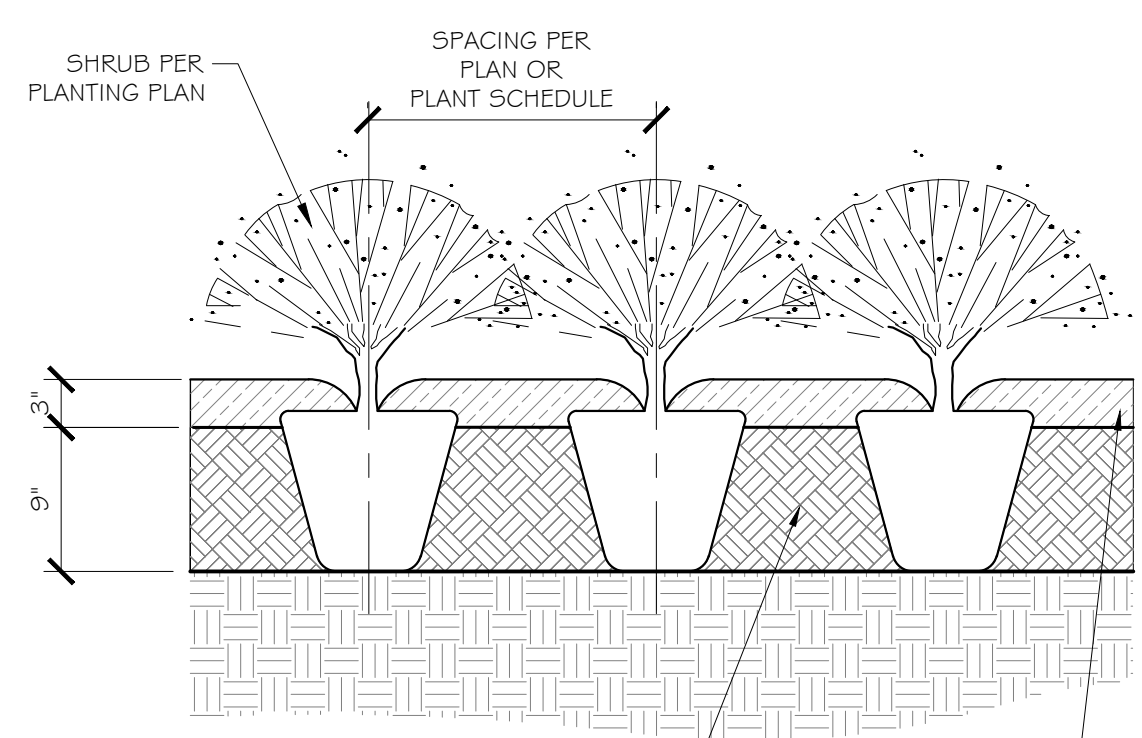
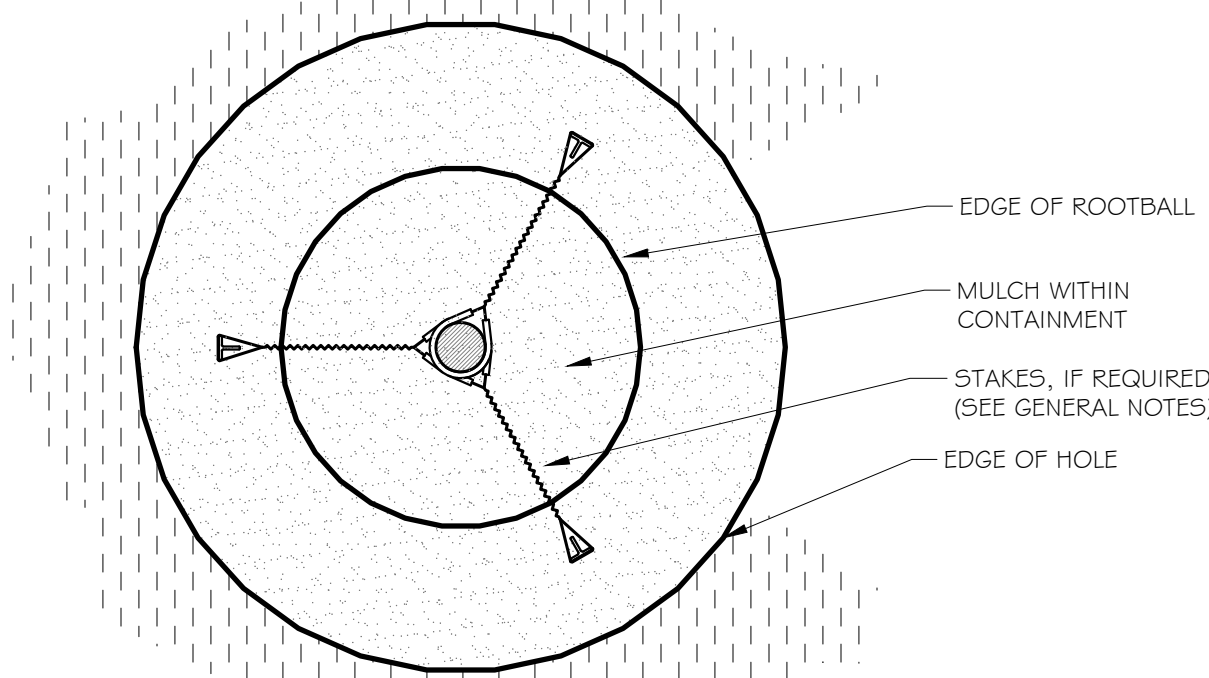
**Pacheco Koch** a Westwood company  
4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

**HARDSCAPE DETAILS**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	43

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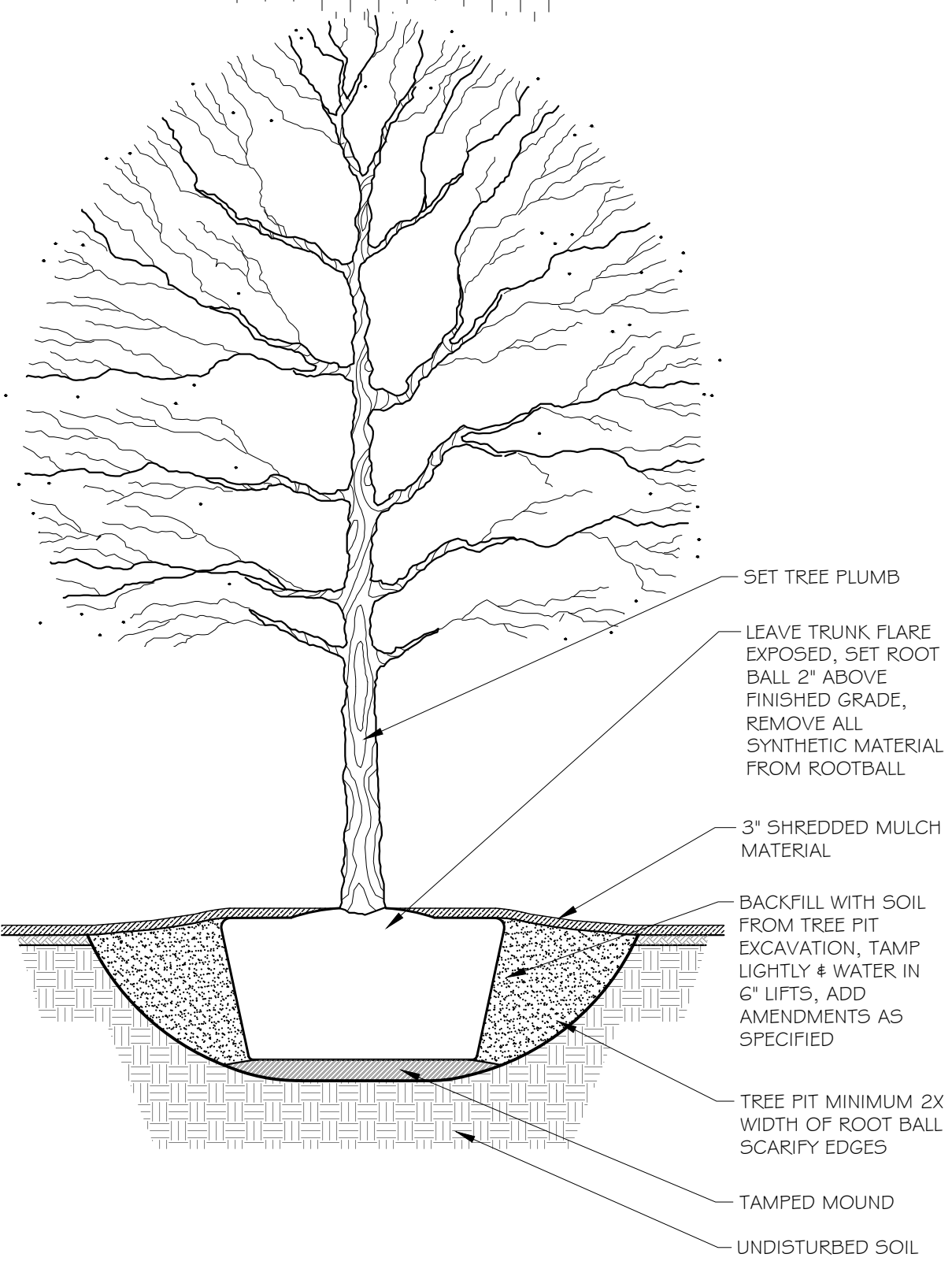
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR



PLANTING SOIL IN SHRUB BEDS:  
1. EXCAVATE EXISTING SOILS 4" BELOW ADJACENT CURB OR SIDEWALK  
2. ADD 3" COMPOST & TILL INTO 6" EXISTING SOILS, CREATING 9" PLANTING SOIL  
3. ADD 3" DARK BROWN FINE-SHREDDED HARDWOOD MULCH AFTER PLANTING

2 TYP. SHRUB PLANTING  
1" = 1'-0"

3 BERMUDA TURF TOPSOIL  
1 1/2" = 1'-0"



NOTE: UNLESS OTHERWISE SPECIFIED, OR REQUIRED BY OWNER TREES 3" CAL. AND UNDER SHALL NOT BE STAKED.

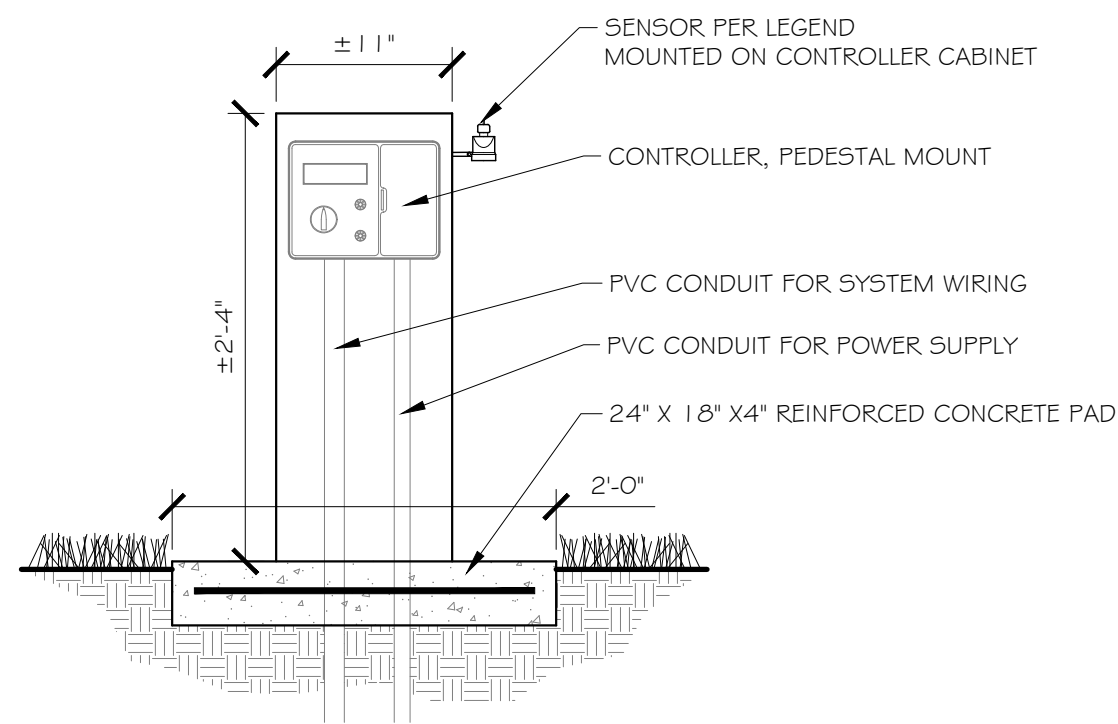
1 CANOPY TREE W/ NO STAKES  
3/4" = 1'-0"

INTERIM REVIEW  
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REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
TEXAS REGISTRATION NUMBER 3159

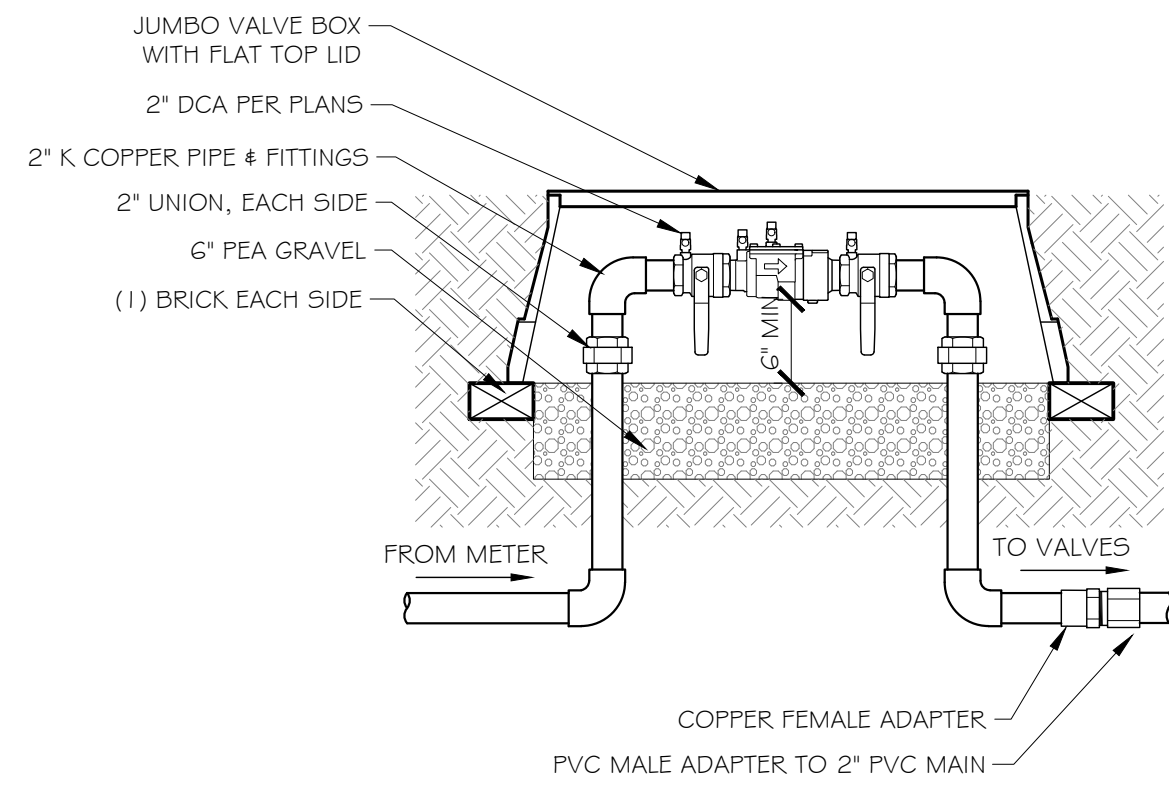
NO.	DATE	REVISION
	07/11/2023	CMAR SET

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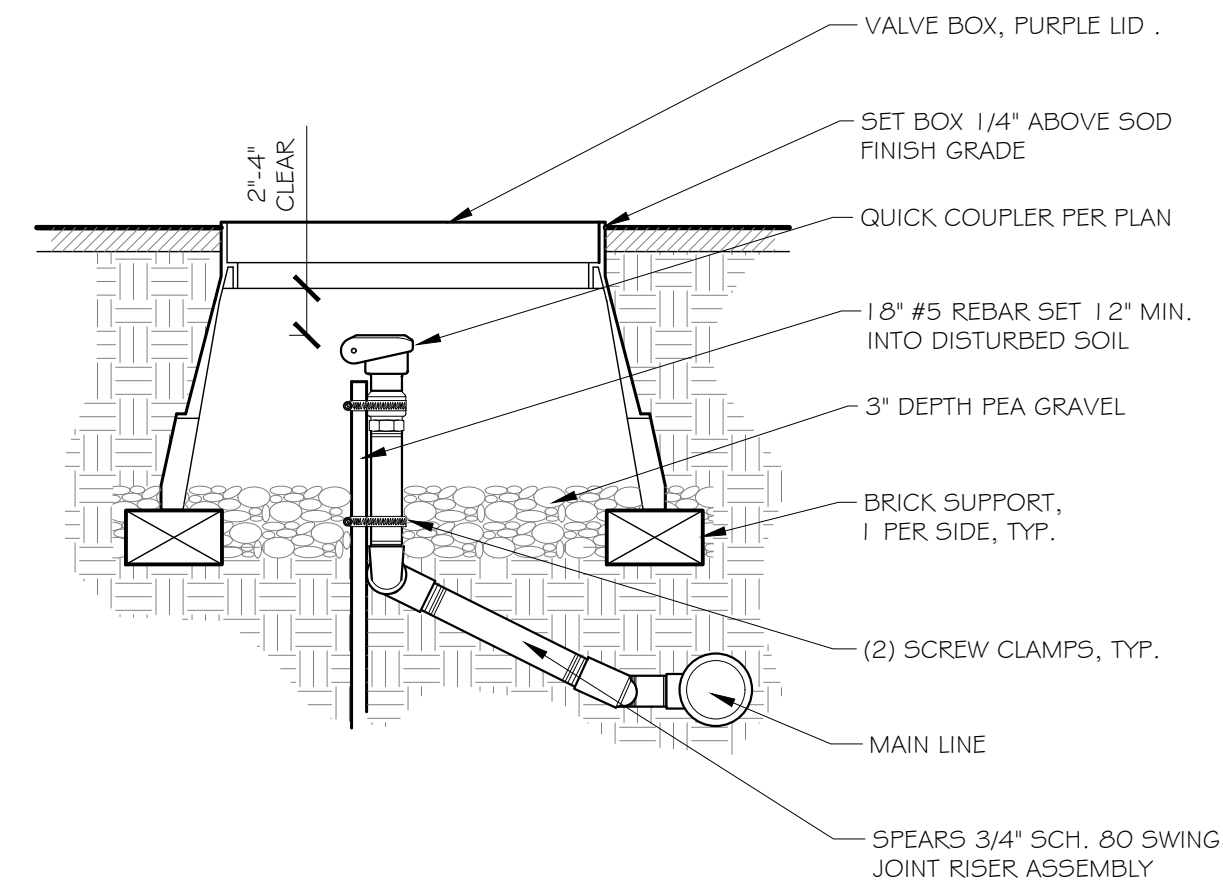
PLANTING DETAILS				
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS				
MONTGOMERY ST TO UNIVERSITY DR				
FORT WORTH, TARRANT COUNTY, TEXAS				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	44



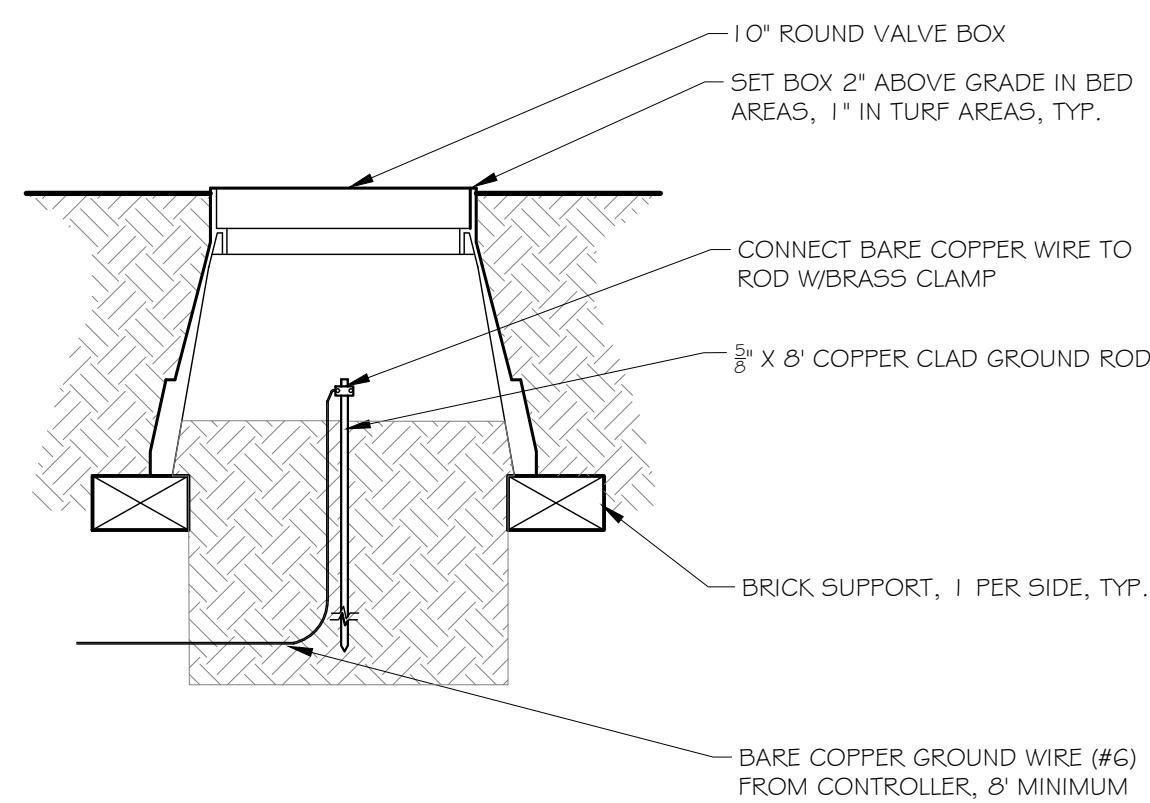
1 IRRIGATION CONTROLLER & SENSOR  
1" = 1'-0"



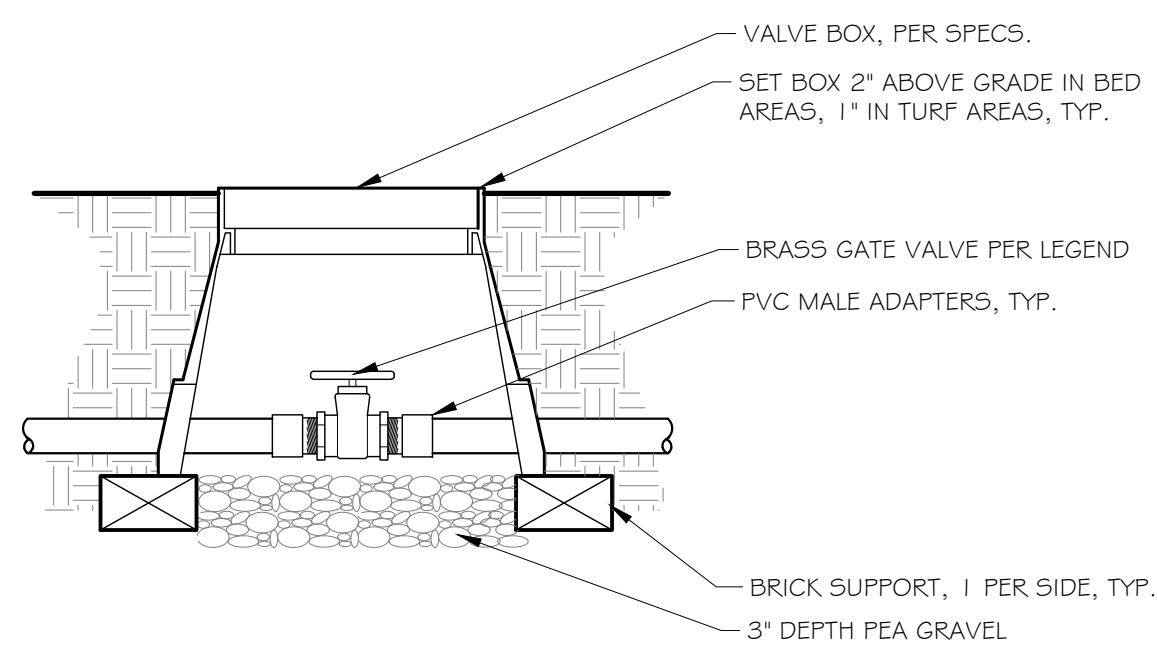
2 DOUBLE CHECK ASSEMBLY  
1" = 1'-0"



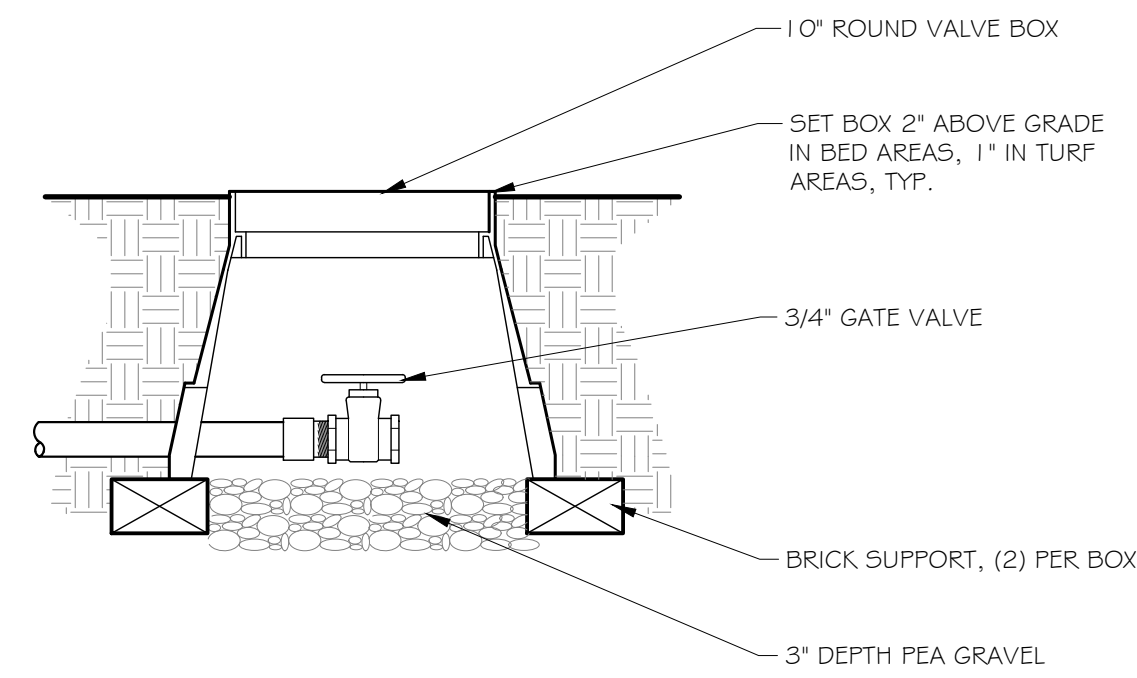
3 QUICK COUPLER VALVE  
1 1/2" = 1'-0"



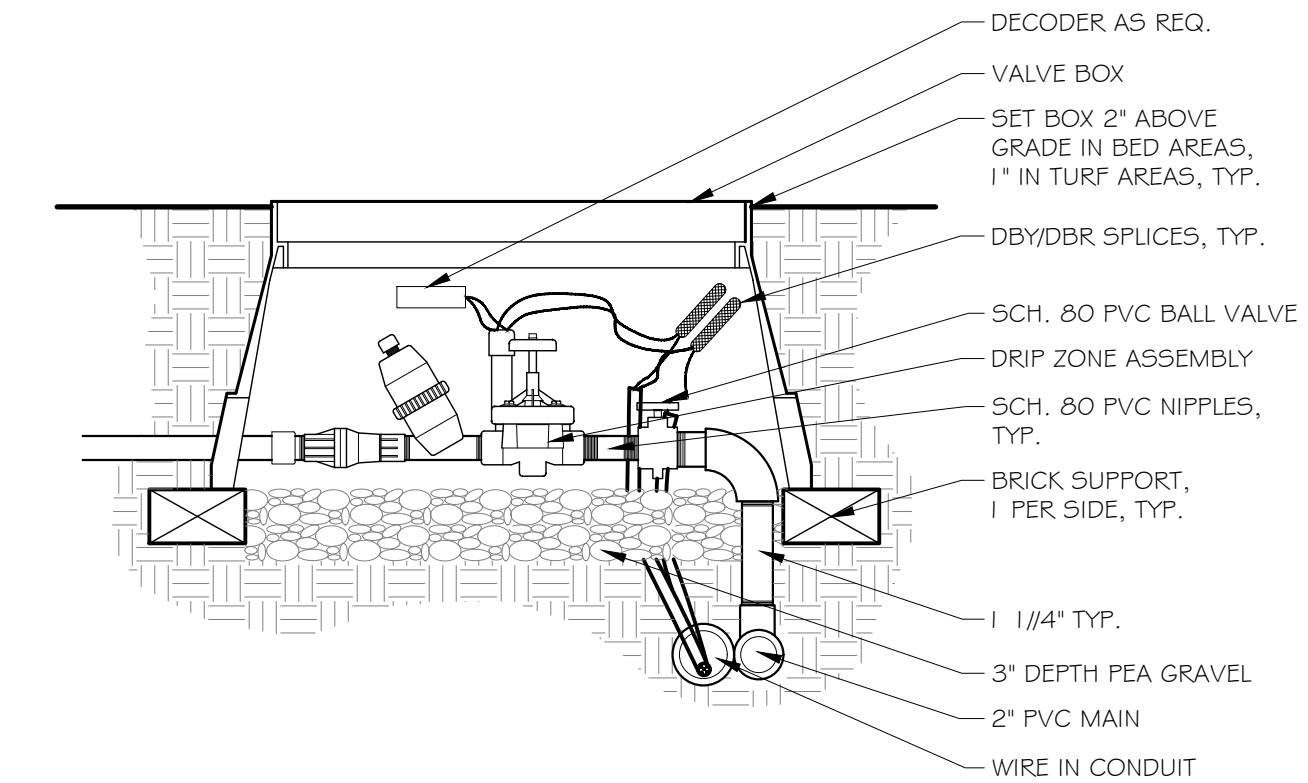
4 CONTROLLER GROUNDING (ROD)  
1 1/2" = 1'-0"



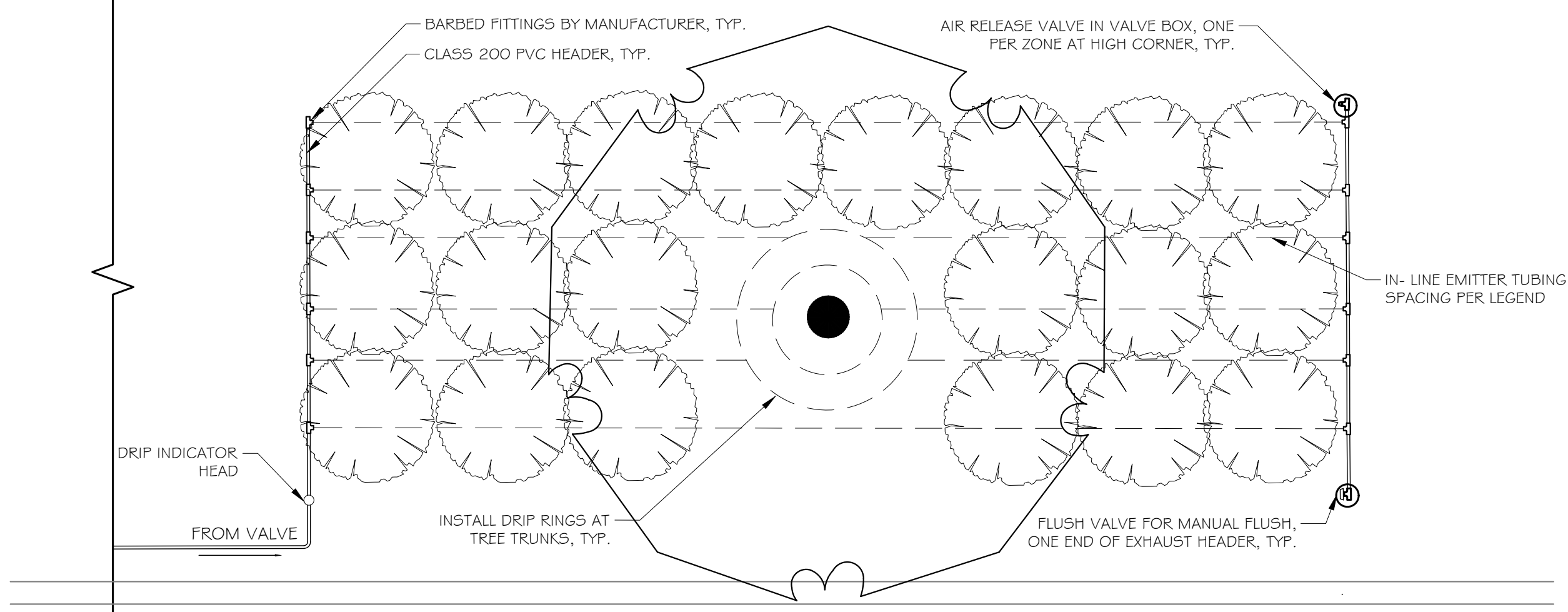
5 BRASS ISOLATION VALVE  
1 1/2" = 1'-0"



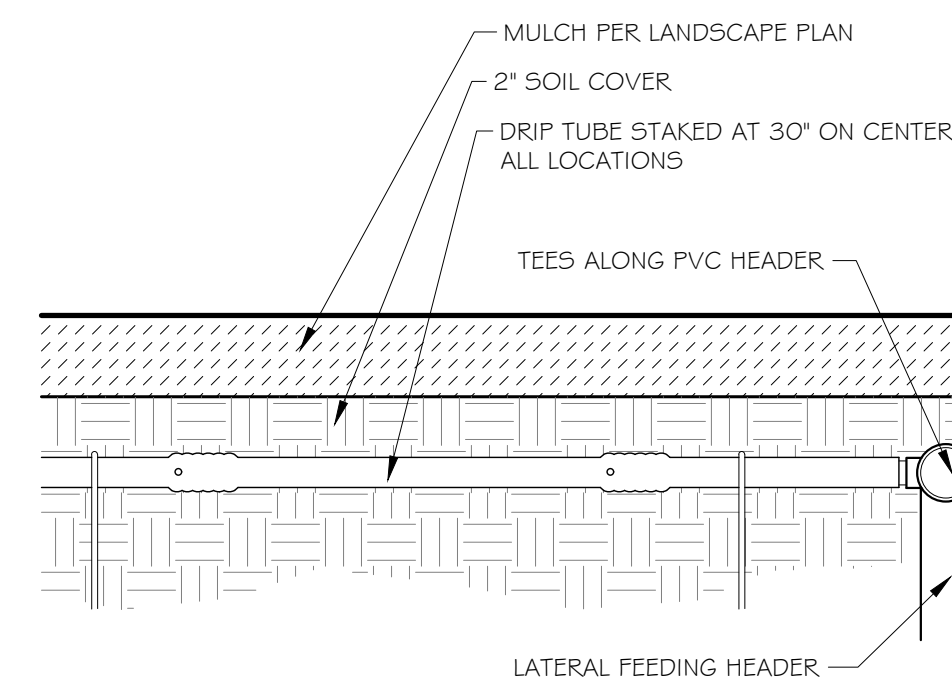
6 FLUSH VALVE  
1 1/2" = 1'-0"



7 DRIP ZONE VALVE ASSEMBLY WITH DECODER  
1 1/2" = 1'-0"



8 DRIP ZONE TYPICAL ENLARGEMENT  
3/8" = 1'-0"



9 DRIP TUBE INSTALLATION - AT GRADE  
3" = 1'-0"

INTERIM REVIEW  
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REGISTERED LANDSCAPE ARCHITECT  
DOROTHY J. WITMEYER  
TEXAS REGISTRATION NUMBER 3159

NO.	DATE	REVISION

**Pacheco Koch**  
a Westwood company  
4060 BRYANT IRVIN ROAD  
FORT WORTH, TX 76109  
817.412.7155  
TX REG. ENGINEERING FIRM F-469  
TX REG. SURVEYING FIRM LS-10008001

**IRRIGATION DETAILS**  
**CAMP BOWIE BLVD ROADWAY IMPROVEMENTS**  
**MONTGOMERY ST TO UNIVERSITY DR**  
**FORT WORTH, TARRANT COUNTY, TEXAS**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
DJW	DJW	JUNE 2023	5085-22.692	<b>45</b>

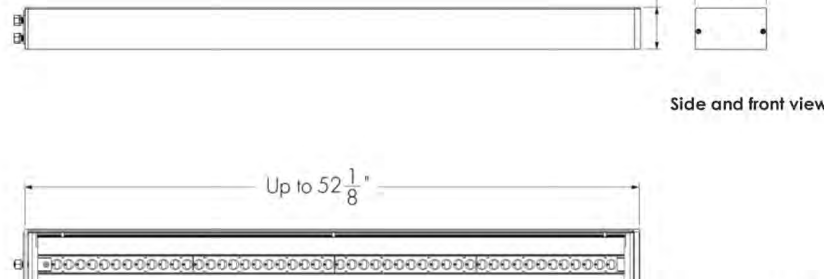
CAMP BOWIE BLVD ROADWAY IMPROVEMENTS - MONTGOMERY ST TO UNIVERSITY DR

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Specification Sheet

lumenblade Medium BLDM

Project Name \_\_\_\_\_ Qty \_\_\_\_\_
Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_



Distributions



Colors and Color Temperatures



Control

ON/OFF 0-10V

Motion detector options



Rating

IP66 (aluminum)

Certifications



Description

The Lumenpulse Lumenblade Medium is an outdoor LED luminaire that uses a reclinear version of the Lumencentra light engine to create a continuous line of light...

Features

Mounting: Side mounting. Color and Color Temperature: 2200K, 2700K, 3000K, 3500K, 4000K, 5700K. Distributions: Type II, Type III or Type IV (with or without backlight shield), Type 5 square.

Options

Corrosion-resistant coating for hostile environments. Surge protector. 5-pin receptacles with and without shoring cap. 7-pin receptacles with and without shoring cap. Motion detector.

Pole Mounting Adaptor

Straight pole and Muffler pole adaptor (round and square pole). 6 in Lumentech pole adaptor (square and round pole); 6 in

Warranty

5-year limited warranty

Performance

Output (nominal lumens): Minimum 4000lm (1 board) / Maximum 20000lm (4 boards). Efficacy: Up to 107 lm/W (Type 5 square, 4000K, M80 lumen output). Color Rendering: 3 SDCM for CRI 70+ and 2 SDCM for CRI 80+.

lumenpulse

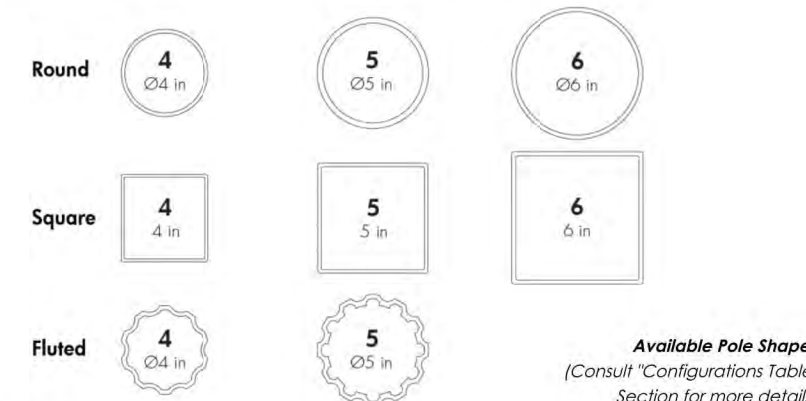
1220 More-Victorin Blvd., Longueuil, QC J4G 2H9, CA. United States: 617.307.3700 | Canada: 1.877.937.3003 | 514.937.3003

Lumenpulse Group Inc. reserves the right to make changes to this product at any time without prior notice and such modification shall be effective immediately. 2020.05.20 copyright © 2020 Lumenpulse Group Inc. 1 / 10

Configured Specification Sheet

poles, arms & accessories

Project Name WESTWOOD Qty 40
Type SA2 Catalog / Part Number PL-S-6 AL-S-18-M-R-F BLDM-S2E



Base cover options



Description

Lumenpulse Straight Poles are available in steel or aluminum of various diameters and profiles to suit your outdoor design.

Features

Dimensions: 4 in., 5 in., 6 in. Shapes: Round, Square, Fluted. Height: Up to 30 ft. Option: Ground Fault Duplex Receptacle, Ground Fault Duplex Receptacle (while in use), Direct Burial, Tamper Proof Screws. Material: Aluminum, Steel. Access Door Dimensions: (n)(2) 1/8" x 4 in. Anchor Bolt Material: Carbon steel partially galvanized.

Specification Sheet

lumenblade Medium BLDM

Project Name \_\_\_\_\_ Qty \_\_\_\_\_
Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_

Table with columns: Housing, Mounting, Voltage, Lens, Output, Color and Color Temperature, Color Rendering, Distributions, Finish, Control, Options, Pole Mounting Adaptor. Lists various configurations for BLDM fixtures.

Notes: 1. Product code is for a single fixture only... 10. Use control panel as well as 0-10V dimmer control if no dimmer is required... 12. Only one motion detector programming can be installed per pole...

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Configured Specification Sheet

poles, arms & accessories

Project Name \_\_\_\_\_ Qty \_\_\_\_\_
Type \_\_\_\_\_ Catalog / Part Number \_\_\_\_\_

Table with columns: Pole, Dimensions, Material, Shapes, Height, Wall Thickness, Finish, Base Cover Options, Pole Top Options, Option, Anchor Bolt Options. Lists configurations for PL-S poles.

Notes: 1. Consult related Products section webpage for a selection of compatible accessories (post assemblies)... 10. Available for round, square and fluted poles only.

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Table with columns: NO., DATE, ISSUE. For tracking issues and revisions.

Pacheco Koch a Westwood company. S60 & XL200 FIXTURE WITH 30' POLE DETAIL. Table with columns: DESIGN, DRAWN, DATE, JOB NO., SHEET NO. 46.



ANCHOR BOLT SCHEDULE					
TYPE NO.	BOLT DIA. (IN.)	LENGTH "L" (IN.)	HOOK "H" (IN.)	THREAD "T" (IN.)	HEIGHT ABOVE FOUNDATION
47	1	36	4	6	4 1/2"
49	1 1/2"	54	6	9	7"
51	1 1/2"	48	6	9	5 1/4"

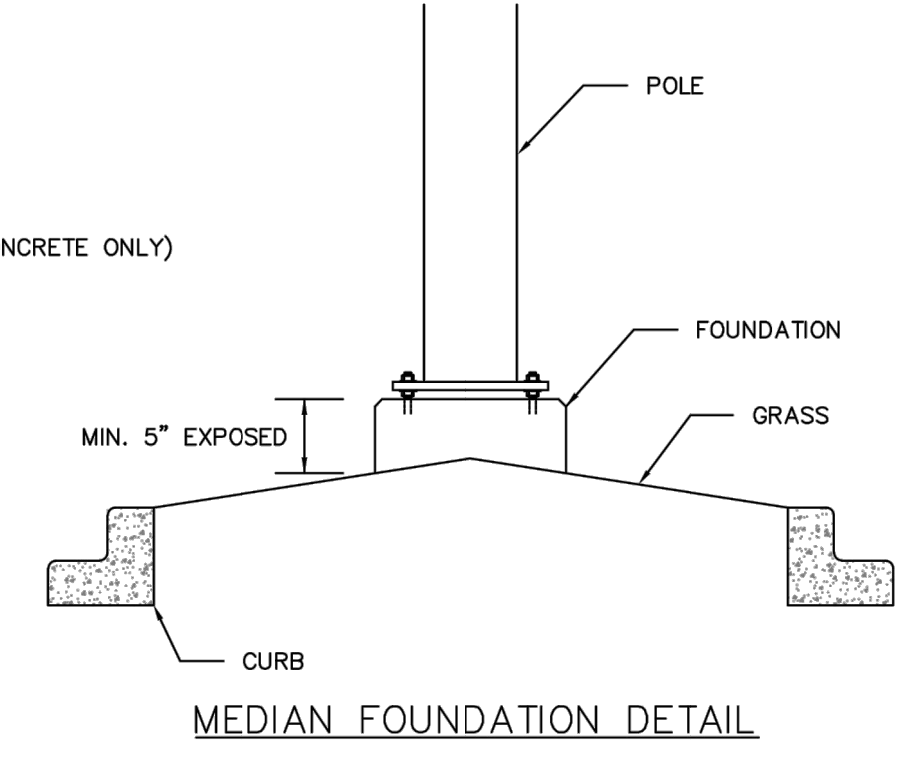
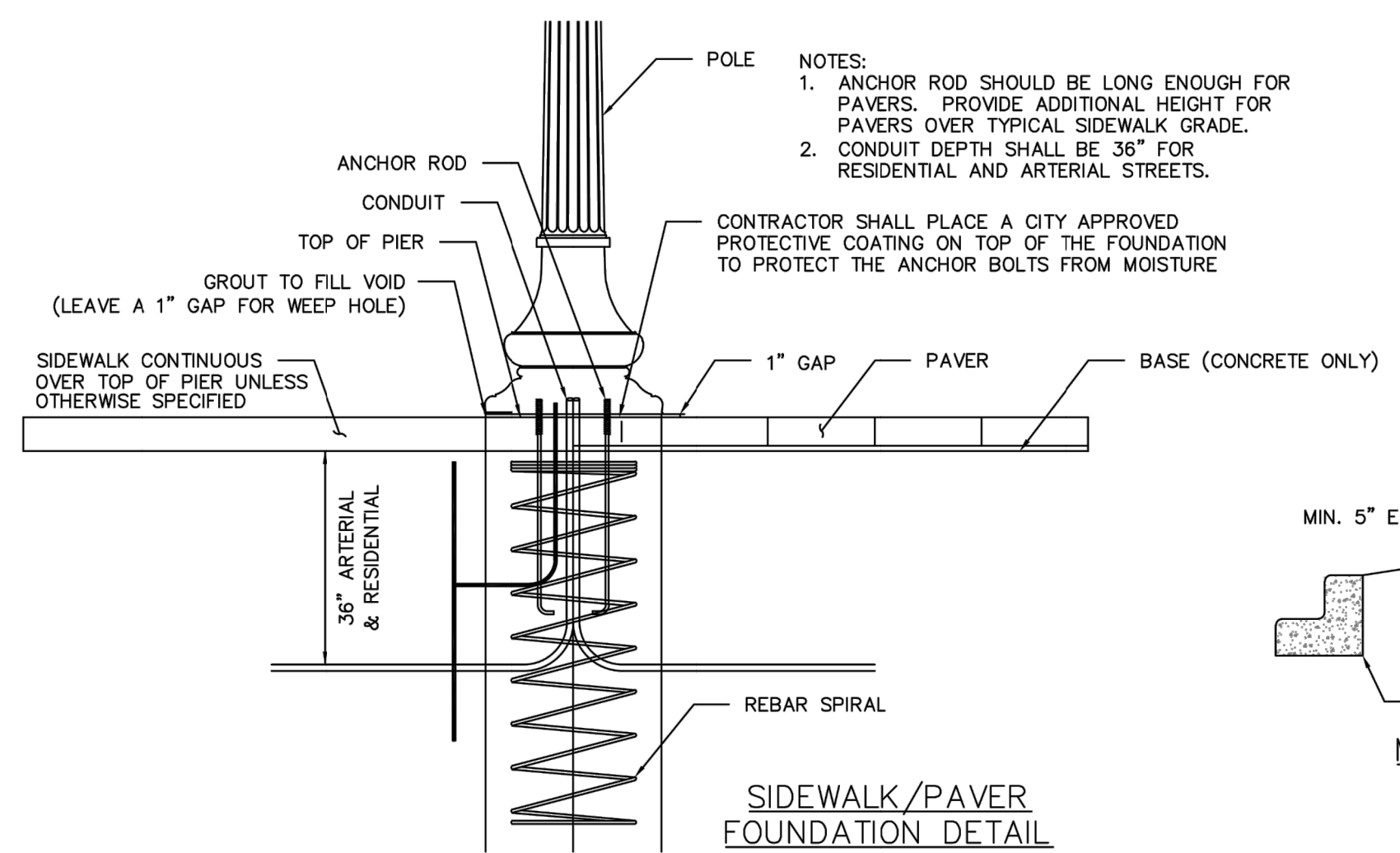
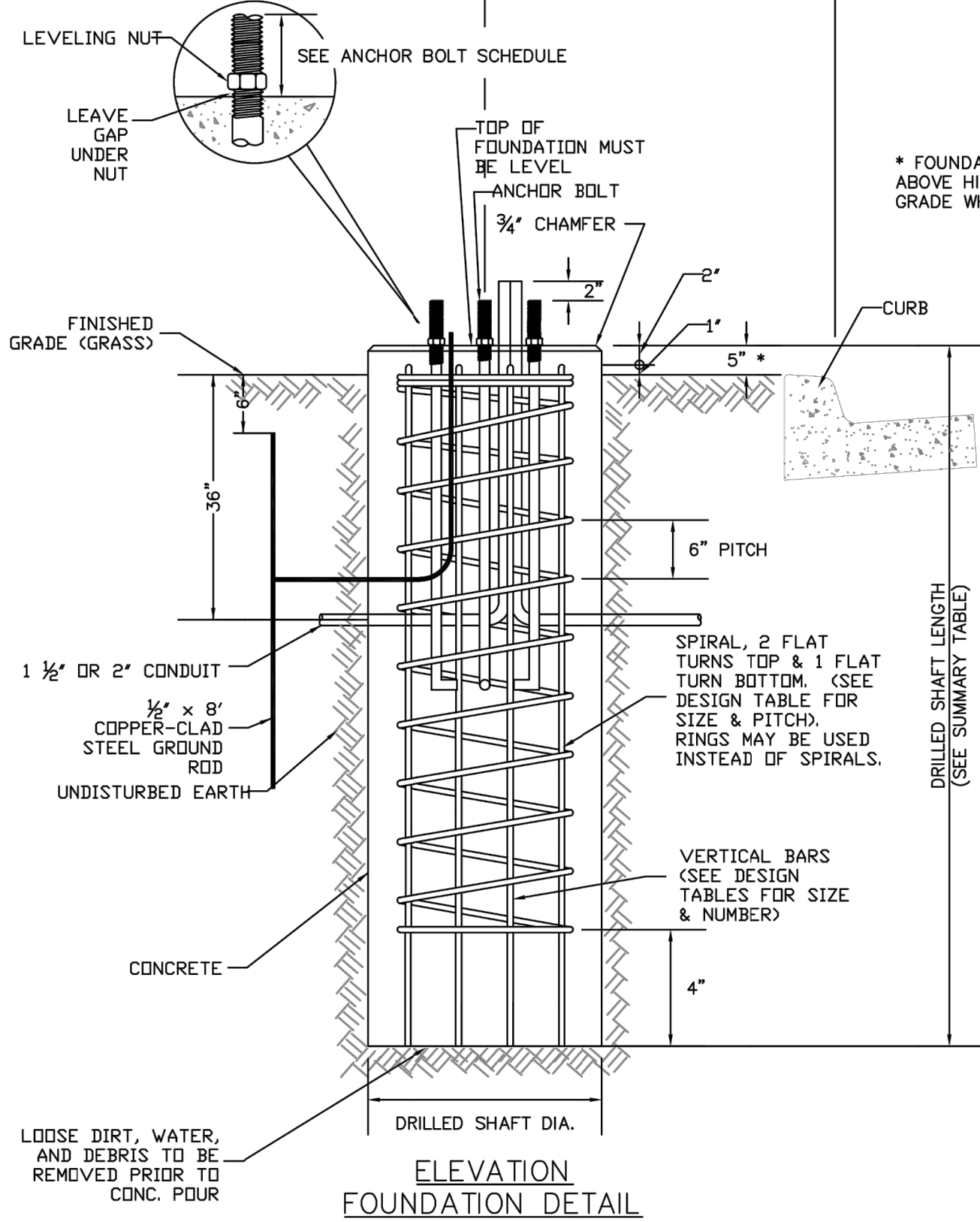
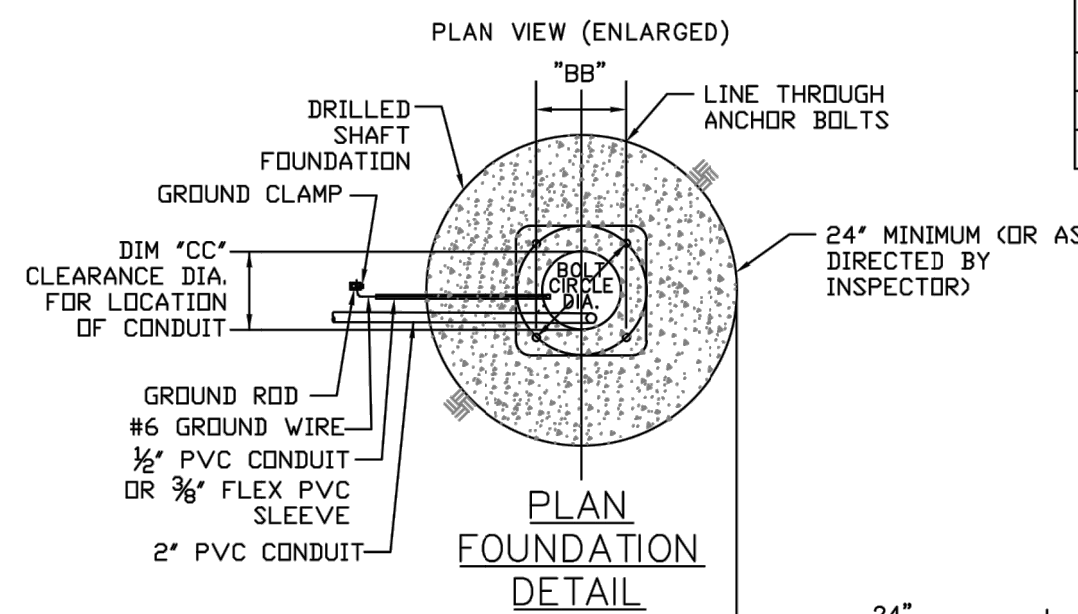
FOUNDATION DESIGN TABLE												
FND. TYPE	DRILLED SHAFT DIA.	REINFORCING STEEL		DRILLED SHAFT LENGTH (FEET)	GROUND ROD SIZE	ANCHOR BOLT DESIGN					DIM. "CC" CLEARANCE DIA. FOR LOCATION OF CONDUIT	FOR POLE TYPE
		VERT. BARS	SPIRAL & PITCH			ANCHOR BOLT DIA.	ANCHOR BOLT TOTAL LENGTH	BOLT CIR. DIA.	ANCHOR TYPE NO.	DISTANCE ACROSS BOLTS DIM. "BB"		
1	24"	4-#5	18"x #3 AT 6"	6	1/2" x 8'	1"	40"	10"	47	7 1/8"	6 1/2"	11
2	24"	4-#5	18"x #3 AT 6"	6	1/2" x 8'	1"	40"	11"	47	7 3/4"	7"	8 & D30-6
3	24"	4-#5	18"x #3 AT 6"	8	1/2" x 8'	1"	40"	11 1/2"	47	8 1/8"	7 1/2"	18
4	24"	4-#5	18"x #3 AT 6"	6	1/2" x 8'	1"	40"	10 1/2"	47	7 7/16"	6 1/2"	D25-6
5	30"	6-#5	24"x #3 AT 6"	8	1/2" x 8'	1 1/4"	48"	13"	51	9 3/16"	8 1/2"	D40-9T, *D40-9
6	30"	6-#5	24"x #3 AT 6"	8	1/2" x 8'	1 1/4"	54"	13 1/2"	51	9 9/16"	9 1/2"	18A
7	24"	4-#5	18"x #3 AT 6"	5	1/2" x 8'	3/4"	24"	15"	N/A	10 3/8"	10"	WASHINGTON STYLE
8	30"	6-#5	24"x #3 AT 6"	8	1/2" x 8'	1 1/2"	60"	15"	49	10 3/8"	10"	19, 41
9	30"	6-#5	24"x #3 AT 6"	8	1/2" x 8'	1 1/4"	54"	17 1/4"	51	12"	10"	41B
11	24"	4-#5	18"x #3 AT 6"	5	1/2" x 8'	3/4"	20"	10 1/2"	N/A	7.42"	6 1/8"	OLEANDER STYLE - TYPE A
12	24"	4-#5	18"x #3 AT 6"	5	1/2" x 8'	3/4"	27"	12 1/2"	N/A	8.84"	8 1/8"	OLEANDER STYLE - TYPE B
13	24"	4-#5	18"x #3 AT 6"	5	1/2" x 8'	3/4"	24"	7"	N/A	5"	3 1/2"	BERRY STYLE - 12'
16	24"	4-#5	18"x #3 AT 6"	5	1/2" x 8'	3/4"	17"	7 1/2"	N/A	5.30"	4" ±	WEST 7TH STYLE - 12'

- NOTES:
1. ANCHOR BOLTS SHALL BE GALVANIZED THE FULL LENGTH.
  2. SUPPLY 2 NUTS, 2 WASHERS & 1 LOCK WASHER WITH EACH ANCHOR BOLT.
  3. REFER TO DECORATIVE POLE DETAIL SHEETS FOR FOUNDATION AND ANCHOR BOLT DETAILS.
  4. FLATWORK NEEDS TO BE LEVELED OUT AT LOCATIONS OF POLE FOUNDATIONS.

\* FOUNDATION SHALL BE 5" ABOVE HIGH SIDE OF FINISHED GRADE WHEN ON A SLOPE.

- NOTES:
1. ANCHOR ROD SHOULD BE LONG ENOUGH FOR PAVERS PROVIDE ADDITIONAL HEIGHT FOR PAVERS OVER TYPICAL SIDEWALK GRADE.
  2. CONDUIT DEPTH SHALL BE 36" FOR RESIDENTIAL AND ARTERIAL STREETS.

CONTRACTOR SHALL PLACE A CITY APPROVED PROTECTIVE COATING ON TOP OF THE FOUNDATION TO PROTECT THE ANCHOR BOLTS FROM MOISTURE



	CITY OF FORT WORTH, TEXAS <b>STREET LUMINAIRE POLE FOUNDATION DETAILS</b>	REVISED: 03-22-2016
	<b>34 41 20-D622</b>	

!!NOTE!!

THIS DETAIL WAS PROVIDED AS A PLACEHOLDER FOR THE CONTRACTORS REFERENCE TO ASSIST WITH ESTIMATING THE COST ASSOCIATED WITH STREET LIGHT AND PEDESTRIAN LIGHT POLE FOUNDATIONS.

PEDESTRIAN LIGHT POLES ARE EXPECTED TO HAVE APPROXIMATELY 6 FOOT DRILLED SHAFT FOUNDATIONS WITH A 24" DIAMETER.

ROADWAY LIGHT POLES ARE EXPECTED TO HAVE APPROXIMATELY 8 FOOT DRILLED SHAFT FOUNDATIONS WITH A 30" DIAMETER.

THESE ARE APPROXIMATIONS AND SUBJECT TO CHANGE DURING THE DESIGN PROCESS.

NO.	DATE	ISSUE		
NO.	DATE	REVISION		
 a Westwood company				
<b>FOUNDATION DETAIL (1)</b>				
DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
				<b>48</b>



**SECTION VIEW**  
SHOWING DIMENSIONS OF BOX AND ACCOMPANYING FIELD INSTALLATION

**GROUND BOX COVER**

**GROUND BOX DETAIL**

FULL BOX	NOMINAL GROUND BOX DIMENSIONS			NOMINAL COVER DIMENSIONS		
	A	B	C	A	B	C
TYPE B	15 3/4"	25"	15"	13 3/4"	23 3/4"	15"

**TRENCH REQUIREMENTS STREET LIGHT CONDUIT**

NOTES:  
1. ALL BOXES SHALL MEET ALL TEST REQUIREMENTS OF THE LATEST SCT 77 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY" FOR TREN 22 APPLICATIONS.  
2. BOTTOM EDGE OF BOX OR EXTENSION SHALL BE FOOTED WITH A MINIMUM 1" X 1" FLANGE.  
3. COVER LIFT EYE WOULD WITH COVER.  
4. COVER LETTERING: "X" MOVED LETTERS "DANGER HIGH VOLTAGE STREET LIGHT". SEE DETAIL THIS SHEET.  
5. COVER MUST BE SECURED WITH "NENTA HEAD", STAINLESS STEEL, SELF-CLEANING BOLTS AND NUTS. SEE DETAIL THIS SHEET.  
6. THE GROUND BOXES FOR THIS PROJECT SHALL MEET THE REQUIREMENTS SHOWN ABOVE. THE CONTRACTOR WILL BE PERMITTED TO FURNISH LIKE MATERIALS OF ANY MANUFACTURER PROVIDED THEY ARE STAMPED AND COVERED BY A PROFESSIONAL ENGINEER FROM THE STATE OF TEXAS, OR VERIFIED BY A NATIONALLY RECOGNIZED INDEPENDENT TESTING LAB AND THEY ARE OF EQUAL OR BETTER QUALITY AND COMPLY WITH THE SPECIFICATIONS.

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**STREET LUMINAIRE CONDUIT AND GROUND BOX DETAILS**  
REVISED: 01-09-2014  
34 41 20-D624

SCHNEIDER = SQUARE D 240/480 V 1PHASE

240/480 V 1 0 3 V 100 AMPS  
10K AIC  
ELECTRIL SYSTEMS 210-599-6485

UTILITY DISTRIBUTOR/MANUFACTURER: ELECTRIL SYSTEMS 210-599-6485  
CONTRACTOR: ALUMINUM L.T. GREEN  
MATERIAL AND FINISH COLOR: STAINLESS STEEL #3 BRUSHED  
OTHER: SUITABLE FOR USE AS SERVICE EQUIPMENT

UL LABEL: INDUSTRIAL CONTROL PANEL ENCLOSURE  
PHOTOCELL REQUIRED: YES  NO  PHOTOCELL PROVISIONS: YES  NO   
NEMA 3R CONSTRUCTION: STAINLESS STEEL HARDWARE  
JIS STAINLESS STEEL CONSTRUCTION WITH NATURAL FINISH  
OR 304 ALUMINUM CONSTRUCTION WITH POWDER-COAT FINISH  
ALL FACTORY WIRING GAUGE COPPER CONDUCTORS WITH 600V INSULATION  
SERVICE TERMINATIONS: 6 AWG TO 250 MCM CU/AL

**METER VIEW WINDOW**  
TXU IDENTIFICATION PLACARD  
PADLOCK PROVISION FOR UTILITY CO.  
48"  
ARC FLASH WARNING LABEL  
HINGED DOOR

**REAR VIEW**  
HINGED COVER  
LIFT OFF ACCESS COVER  
TXU IDENTIFICATION PLACARD  
HANDLE  
PADLOCK PROVISION FOR UTILITY CO.  
FOR UTILITY COMPANY ACCESS ONLY \*\*

**FRONT VIEW**  
1 3/4" PHOTOCELL WINDOW LOCATED ON BOTH SIDES OF ENCLOSURE WINDOW WILL BE SEALED IF PHOTOCELL IS NOT INSTALLED.

**ANCHOR BOLT INSTALLATION LAYOUT BOTTOM VIEW**  
16 1/4"  
6 3/4"  
17 1/4"  
12 1/4"  
14 1/4"  
SLOTS FOR ANCHOR BOLT LOCATION (TYP.)

**REAR LANDING DETAIL COVER REMOVED**  
METER SOCKET 200 AMPS CONTINUOUS

**MOUNTED IN FRONT LIFT UP DOOR**  
IF TRANSOCKET PROVIDED

CONTRACTOR MUST VERIFY 1 OR 3 PHASE PROVIDED BY UTILITY COMPANY

IF JOB REQUIREMENT NEED 480V LIGHTING CIRCUIT (SLD) MAX OF 4 x 3 POLE 80 AMP CONTRACTOR MUST ORDER 6 POLE BRANCH BREAKERS ANY AMPERE CHANGE MUST BE APPROVED AND VERIFIED BY THE CITY AND ELECTRIC SYSTEMS FOR SEEING AND MAKING CHANGES TO THE STANDARD

CONTRACTOR MUST VERIFY WHICH UTILITY COMPANY WILL PROVIDE SERVICE BEFORE ORDERING THIS IF SERVICE PROVIDED BY "ONCOR" OR OTHER UTILITY CO. REQUIRING TRANSOCKET CONTRACTOR MUST ORDER TRANSOCKET FROM ONCOR'S METER DEPARTMENT CONTRACTOR MUST HAVE TRANSOCKET DELIVERED TO ELECTRIL SYSTEMS WHEN ORDERING 240-480 VOLT SINGLE PHASE TRANSOCKET METERED PEDESTAL AS APPROVED BY MICHAEL TREVINO, ONCOR FORT WORTH & GARY HENDLEY, ONCOR DALLAS TO BE INSTALLED BY ELECTRIL SYSTEMS, INC.

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**240-480 VOLT SINGLE PHASE METERED PEDESTAL**  
REVISED: 12-23-2016  
34 41 20-D625

**NAME PLATE SCHEDULE**

N.P.	BREAKER	POLES	AMPS
NP-1	MAIN	2	100
NP-2	CONTROL	1	15
NP-3	LIGHTS "A"	1	20
NP-4	LIGHTS "B"	1	20
NP-5	LIGHTS "C"	1	20
NP-6	LIGHTS "D"	1	20
NP-7	LIGHTS "E"	1	20
NP-8	LIGHTS "F"	1	20

**NAME PLATE SCHEDULE**

N.P.	BREAKER	POLES	AMPS
NP-9	LIGHTS "A"	1	20
NP-10	LIGHTS "B"	1	20
NP-11	LIGHTS "C"	1	20
NP-12	LIGHTS "D"	1	20

NOTE: \* BLANK SPACE - HAS NO NAME PLATE BUT REQUIRES A BLANK INSERT ON DEAD FRONT

NOTES:  
LABELS MUST BE PLACED ON THE INSIDE OF THE DOOR OF ENCLOSURE  
LISTED - INDUSTRIAL CONTROL PANEL ENCLOSURE  
MANUFACTURER NAME WITH (CHOP ORDER #) BRANDING # AS REFERRED TO THE UL LABEL # USED  
INDUSTRIAL CONTROL PANEL - SUBJECT 508A  
UNIVERSITY LABORATORIES, INC. ELECTRIL SYSTEMS, INC. FILE NO. E166806  
ALL INTERIOR COMPONENTS ARE TO BE LABELED

**FRONT DOOR - INSIDE VIEW**  
JOB NUMBER & QUALITY ASSURANCE LABEL  
CHECK LIST  
UL LABEL  
COMPRESSION HELD DOWN LATCH FOR DEADFRONT (TYP.)  
PRINT POCKET  
LIFT-OFF DEADFRONT CONSTRUCTION PREVENTS CONTACT WITH LIVE PARTS  
STAINLESS STEEL BODYPAN ROD

**LIFT-OFF DEADFRONT DOOR VIEW**  
WARNING: HIGH VOLTAGE  
DANGER

**INTERIOR VIEW**  
METER SOCKET  
COVER FOR METER SOCKET REMOVED, UTILITY CO. DISCONNECT ACCESS ONLY  
DISCONNECT TEST SWITCHES  
TXU IDENTIFICATION LABEL  
CONTROL BREAKER CIRCUIT BREAKER RACK MOUNTED ON RISER  
HAND-OFF-AUTO SELECTOR SWITCH BRACKET ASSEMBLY MOUNTED ON DOOR FRAME  
FIELD TERMINALS FOR PHOTOCELL RECEPTACLE  
PHOTOCELL CAN BE PLACED ON EITHER SIDE OF ENCLOSURE  
LIGHTING CONTACTOR 100 AMPS  
GROUND BAR  
PHOTOELECTRIC RECEPTACLE BRACKET ASSEMBLY MOUNTED ON BOTH SIDES OF ENCLOSURE  
HOLE FOR HAND-OFF-AUTO SWITCH  
DANGER: HIGH VOLTAGE  
WARNING: MANUAL BYPASS CIRCUITRY MUST BE LIVE WITH METER REMOVED  
DISTRIBUTION BLOCK  
GREEN GND BONDING SCREW  
CAUTION: ELECTRICAL CONTACTS MUST BE COVERED TO PREVENT CONTACT WITH LIVE PARTS  
AVOID: REPAIRS MUST BE APPROVED BY THE CITY OF FORT WORTH

AS APPROVED BY MICHAEL TREVINO, ONCOR FORT WORTH & GARY HENDLEY, ONCOR DALLAS

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**240-480 VOLT SINGLE PHASE METERED PEDESTAL**  
REVISED: 12-23-2016  
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BONDED NEUTRAL, REMOVE BONDING MEANS FOR TEST PURPOSES ONLY  
SERVICE DISCONNECT 100 AMPS OR LESS, BREAKER: FAL MGN OR FAL

CIRCUIT BRANCH BREAKERS 100 AMPS OR LESS SQUARE D/CUTLER-HAMMER/VESTINGHOUSE TYPE GHC OR GHXC, G.E. TYPE THQC OR THQC.

SHORT CIRCUIT RATING RMS SYMMETRICAL AMPS 14,000 AT 240/480 VAC. THE SHORT CIRCUIT RATING IS LIMITED TO THE LOWEST INTERRUPTING CAPACITY OF ANY SERVICE INSTALLED. REPLACEMENT BREAKERS MUST BE SAME TYPE AND RATING. FIELD INSTALLED CONDUCTORS SHOULD BE SIZED BASED ON 60°C AMPACITY FOR 14-1 AWG AND 75°C AMPACITY OVER 1 AWG PER TABLE 310-16 OF NEC.

**METER SOCKET 200 AMPS CONTINUOUS**  
MOUNTED IN FRONT LIFT UP DOOR

**UTILITY TERMINATION SECTION**  
WIRE CONNECTORS: USE CU CONDUCTORS  
EQUIPMENT GROUND TERMINATION: USE MORE THAN ONE CONDUCTOR PER OPENING FOR EQUIPMENT GND. ONLY

**CIRCUIT DIRECTORY**

NO.	DESCRIPTION	AMP	POLE							
B1	MAIN	100	2							
B2	CONTROL	15	1							
B3	LIGHTS "A"	20	1							
B4	LIGHTS "B"	20	1							
B5	LIGHTS "C"	20	1							
B6	LIGHTS "D"	20 </tr <tr> <td>B7</td> <td>LIGHTS "E"</td> <td>20</td> <td>1</td> </tr> <tr> <td>B8</td> <td>LIGHTS "F"</td> <td>20</td> <td>1</td> </tr>	B7	LIGHTS "E"	20	1	B8	LIGHTS "F"	20	1
B7	LIGHTS "E"	20	1							
B8	LIGHTS "F"	20	1							

IF CIRCUIT BREAKER TRIPS, HANDLE WILL BE IN INTERMEDIATE POSITION TO RESTORE POWER TURN TO FULL OFF, THEN ON

TORQUE VALUE:  
MGM TYPE CIRCUIT BREAKERS  
#18-16 = 8 L.B. IN.  
#14-10 = 8 L.B. IN.

AS APPROVED BY MICHAEL TREVINO, ONCOR FORT WORTH & GARY HENDLEY, ONCOR DALLAS

**FORT WORTH** CITY OF FORT WORTH, TEXAS  
**240-480 VOLT SINGLE PHASE METERED PEDESTAL**  
REVISED: 12-23-2016  
34 41 20-D625

NO.	DATE	ISSUE
NO.	DATE	REVISION

**Pacheco Koch**  
a Westwood company

**CONDUIT, GROUND BOX, AND SERVICE DETAIL**

DESIGN	DRAWN	DATE	JOB NO.	SHEET NO.
				49