CITY OF HOUSTON

HOUSTON PUBLIC WORKS

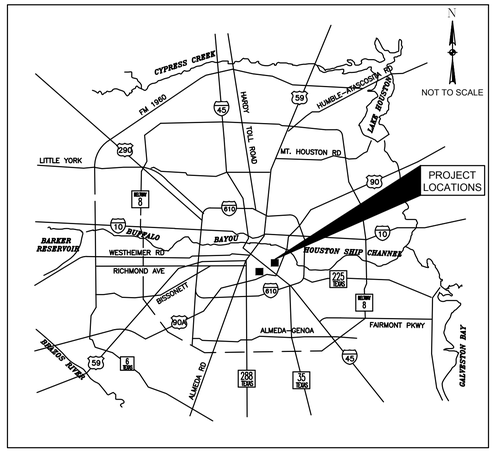
CAPITAL PROJECTS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24” FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY

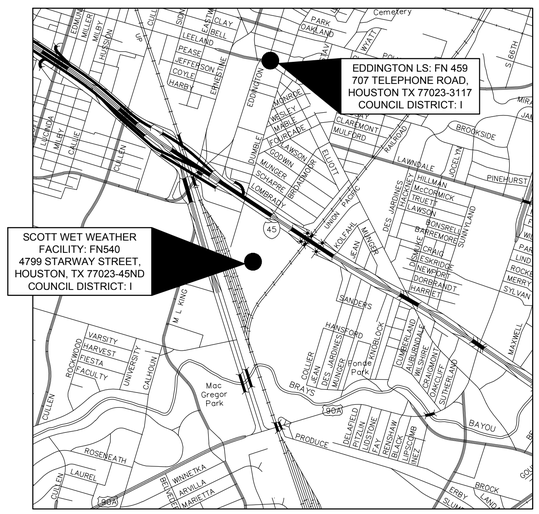
STORAGE TANK NO. 1

WBS NO. WBS R-001000-0035-4

MAY 15, 2026



LOCATION MAP



VICINITY MAP

KEY MAP NO 534-B & 494-X

GIMS MAP NO 5555C & 5456B

TDLR EABPR _____

MAYOR

JOHN WHITMIRE

CONTROLLER

CHRIS HOLLINS

DISTRICT COUNCIL MEMBERS

AMY PECK, DISTRICT A
TARSHA JACKSON, DISTRICT B
ABBIE KAMIN, DISTRICT C
CAROLYN EVANS-SHABAZZ, DISTRICT D
FRED FLICKINGER, DISTRICT E
TIFFANY D. THOMAS, DISTRICT F
MARY NAN HUFFMAN, DISTRICT G
MARIO CASTILLO, DISTRICT H
JOAQUIN MARTINEZ, DISTRICT I
EDWARD POLLARD, DISTRICT J
MARTHA CASTEX-TATUM, DISTRICT K

COUNCIL MEMBERS AT-LARGE

JULIAN RAMIREZ, POSITION 1
WILLIE DAVIS, POSITION 2
TWILA CARTER, POSITION 3
LETITIA PLUMMER, POSITION 4
SALLIE ALCORN, POSITION 5

NO.	DATE	REVISION	APP.

DESIGN ENGINEER NAME

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

STATE OF TEXAS — TRAVIS REESER — 126466 — LICENSED PROFESSIONAL ENGINEER — 5/15/2026

STATE OF TEXAS — B.W. NICHOLAS — 83349 — LICENSED PROFESSIONAL ENGINEER — 5/15/2026

PARKS-FORESTRY DEPT.

METRO

HOUSTON WATER

TRANSPORTATION & DRAINAGE OPERATIONS

CAPITAL PROJECTS

SURVEY

CITY ENGINEER DATE

DIRECTOR OF HOUSTON PUBLIC WORKS DATE

SHEET NO XX OF XX SHEETS

FOR CITY OF HOUSTON USE ONLY

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2.	G-2	DRAWING INDEX
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4.	G-4	LEGENDS & ABBREVIATIONS I
5.	G-5	LEGENDS & ABBREVIATIONS II
6.	G-6	LEGENDS & ABBREVIATIONS III
7.	G-7	DRAINAGE AND SWPPP GENERAL CONSTRUCTION NOTES
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9.	P-2	PROCESS FLOW DIAGRAM II
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299.	E-15	SCOTT WWF SWITCHBOARD NO. 1 ONE–LINE DIAGRAM
300.	E-16	SCOTT WWF MCC–WWPS ONE–LINE DIAGRAM
301.	E-17	SCOTT WWF MCC–WWPS ELEVATION
302.	E-18	SCOTT WWF MCC–ST1 ONE–LINE DIAGRAM
303.	E-19	SCOTT WWF MCC–ST1 ELEVATION
304.	E-20	SCOTT WWF STORAGE TANK BUILDING GROUNDING PLAN
305.	E-21	SCOTT WWF STORAGE TANK BUILDING LIGHTING PLAN
306.	E-22	SCOTT WWF STORAGE TANK BUILDING POWER PLAN
307.	E-23	SCOTT WWF WASH WATER BUILDING GROUNDING PLAN
308.	E-24	SCOTT WWF WASH WATER BUILDING LIGHTING PLAN
309.	E-25	SCOTT WWF WASH WATER BUILDING POWER PLAN
310.	E-26	SCOTT WWF DRAIN PUMP STATION PLAN
311.	E-27	SCOTT WWF VALVE VAULT PLAN
312.	E-28	SCOTT WWF CARBON SYSTEM ODOR CONTROL PLAN
313.	E-29	SCOTT WWF JET AERATION SYSTEM PLAN (NO. 1 & NO. 2)
314.	E-30	SCOTT WWF GENERATOR GROUNDING PLAN
315.	E-31	SCOTT WWF GENERATOR POWER PLAN
316.	E-32	SCOTT WWF 750KW GENERATOR PLAN
317.	E-33	SCOTT WWF SWITCHGEAR YARD SECTION AND DETAIL
318.	E-34	SCOTT WWF TRANSFORMER "TRNF–1 & TRNF–2" DETAILS
319.	E-35	SCOTT WWF HYDROPNEUMATIC TANK ELECTRICAL PLAN
320.	E-36	SCOTT WWF EXISTING WASHWATER TANK ELECTRICAL PLAN
321.	E-37	SCOTT WWF CONDUIT SCHEDULE – I
322.	E-38	SCOTT WWF CONDUIT SCHEDULE – II
323.	E-39	SCOTT WWF CONDUIT SCHEDULE – III
324.	ZE-1	ELECTRICAL SERVICE DETAILS
325.	ZE-2	ELECTRICAL YARD / LIGHT COMMUNICATION POLE DETAILS
326.	ZE-3	ELECTRICAL DETAILS
327.	ZE-4	RADAR LEVEL TRANSMITTER GAUGING SYSTEM INSTALLATION & DETAILS I
328.	ZE-5	RADAR LEVEL TRANSMITTER GAUGING SYSTEM INSTALLATION & DETAILS II
329.	ZE-6	ELECTRICAL DETAILS – I
330.	ZE-7	ELECTRICAL DETAILS – II
331.	ZE-8	ELECTRICAL DETAILS – III
332.	ZE-9	ELECTRICAL DETAILS – IV
333.	ZE-10	ELECTRICAL DETAILS – V
334.	ZE-11	ELECTRICAL DETAILS – VI
335.	ZE-12	ELECTRICAL DETAILS – VII
INSTRUMENTATION & CONTROL		
336.	I-1	INSTRUMENTATION LEGENDS AND SYMBOLS – I
337.	I-2	INSTRUMENTATION LEGENDS AND SYMBOLS – II
338.	I-3	EDDINGTON LIFT STATION – P&ID I
339.	I-4	EDDINGTON LIFT STATION – P&ID II
340.	I-5	EDDINGTON LIFT STATION – P&ID III
341.	I-6	EDDINGTON LIFT STATION COMMUNICATIONS DIAGRAM
342.	I-7	EDDINGTON LIFT STATION CONTROL CABINET EQUIPMENT LAYOUT & SCHEDULE
343.	I-8	EDDINGTON LIFT STATION CONTROL CABINET BACK DOOR ELEVATION
344.	I-9	EDDINGTON LIFT STATION CONTROL CABINET EQUIPMENT LAYOUT
345.	I-10	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–I
346.	I-11	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–II
347.	I-12	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–III
348.	I-13	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–IV
349.	I-14	EDDINGTON LIFT STATION CONTROL DRY PUMP NO.D1 CONTROL WIRING DIAGRAM
350.	I-15	EDDINGTON LIFT STATION CONTROL DRY PUMP NO.D2 CONTROL WIRING DIAGRAM
351.	I-16	EDDINGTON LIFT STATION CONTROL WET PUMP NO.1 CONTROL WIRING DIAGRAM
352.	I-17	EDDINGTON LIFT STATION CONTROL WET PUMP NO.2 CONTROL WIRING DIAGRAM
353.	I-18	EDDINGTON LIFT STATION CONTROL WET PUMP NO.W3 CONTROL WIRING DIAGRAM
354.	I-19	EDDINGTON LIFT STATION CONTROL WET PUMP NO.W4 CONTROL WIRING DIAGRAM
355.	I-20	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–V
356.	I-21	EDDINGTON LIFT STATION CONTROL PANEL CONTROL WIRING DIAGRAM–VI
357.	I-22	EDDINGTON LIFT STATION DRY WEATHER CHEMICAL FEED PUMPS P&ID DIAGRAM
358.	I-23	EDDINGTON LIFT STATION WET WEATHER CHEMICAL FEED PUMPS P&ID DIAGRAM
359.	I-24	EDDINGTON LIFT STATION DRY WEATHER CHEMICAL FEED PUMPS WIRING DIAGRAM
360.	I-25	EDDINGTON LIFT STATION WET WEATHER CHEMICAL FEED PUMPS WIRING DIAGRAM
361.	I-26	EDDINGTON LIFT STATION WETWELL MIXER BLOWERS WIRING DIAGRAM
362.	I-27	EDDINGTON LIFT STATION WET CHEMICAL FEED PUMPS LOCAL CONTROL PANEL
363.	I-28	EDDINGTON LIFT STATION CHEMICAL FEED PUMP REMOTE I/O CONTROL PANEL
364.	I-29	EDDINGTON LIFT STATION CHEMICAL FEED PUMP REMOTE I/O WIRING DIA.–I
365.	I-30	EDDINGTON LIFT STATION CHEMICAL FEED PUMP REMOTE I/O WIRING DIA.–II
366.	I-31	EDDINGTON LIFT STATION CHEMICAL FEED PUMP REMOTE I/O WIRING DIA.–III
367.	I-32	EDDINGTON LIFT STATION FERROUS SULFATE TANKS FILL STATION WIRING DIAGRAM
368.	I-33	EDDINGTON LIFT STATION PUMP CONTROL PANEL WIRING DIAGRAM
369.	I-34	EDDINGTON LIFT STATION SUMP PUMP CONTROL PANEL WIRING DIAGRAM
370.	I-35	SCOTT WWF EXISTING OVERALL NETWORK DIAGRAM
371.	I-36	SCOTT WWF PROPOSED OVERALL NETWORK DIAGRAM
372.	I-37	SCOTT WWF DRAIN LIFT STATION PUMPS P&ID–I
373.	I-38	SCOTT WWF DRAIN LIFT STATION PUMPS P&ID–II
374.	I-39	SCOTT WWF DRAIN PUMP CONTROL PANEL EQUIP. LAYOUT AND SCHEDULE
375.	I-40	SCOTT WWF DRAIN PUMP CONTROL PANEL EQUIP. LAYOUT AND SCHEDULE
376.	I-41	SCOTT WWF DRAIN PUMP CONTROL PANEL EQUIPMENT LAYOUT
377.	I-42	SCOTT WWF DRAIN PUMP CONTROL WIRING DIAGRAM–I
378.	I-43	SCOTT WWF DRAIN PUMP CONTROL WIRING DIAGRAM–II
379.	I-44	SCOTT WWF DRAIN PUMP CONTROL WIRING DIAGRAM–III
380.	I-45	SCOTT WWF CONTROL WIRING DIAGRAM DRAIN PUMP NO. 1
381.	I-46	SCOTT WWF CONTROL WIRING DIAGRAM DRAIN PUMP NO. 2
382.	I-47	SCOTT WWF CONTROL WIRING DIAGRAM DRAIN PUMP NO. 3
383.	I-48	SCOTT WWF MCC–WWPS PLC CONTROL PANEL CONTROL WIRING DIA.–I
384.	I-49	SCOTT WWF MCC–WWPS PLC CONTROL PANEL CONTROL WIRING DIA.–II
385.	I-50	S

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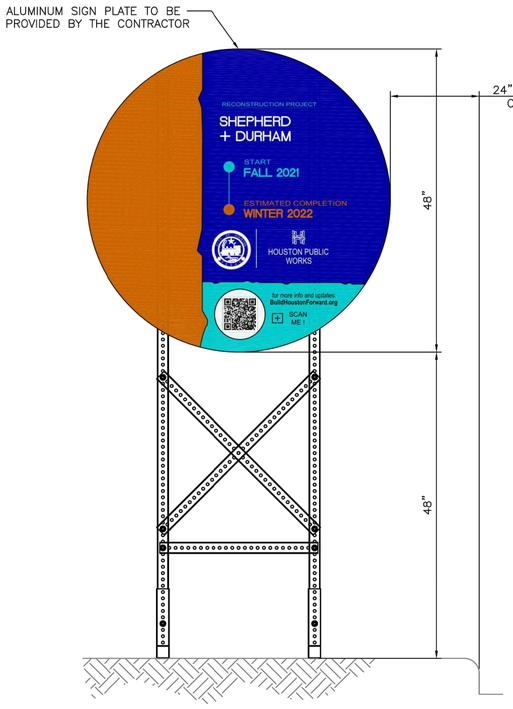
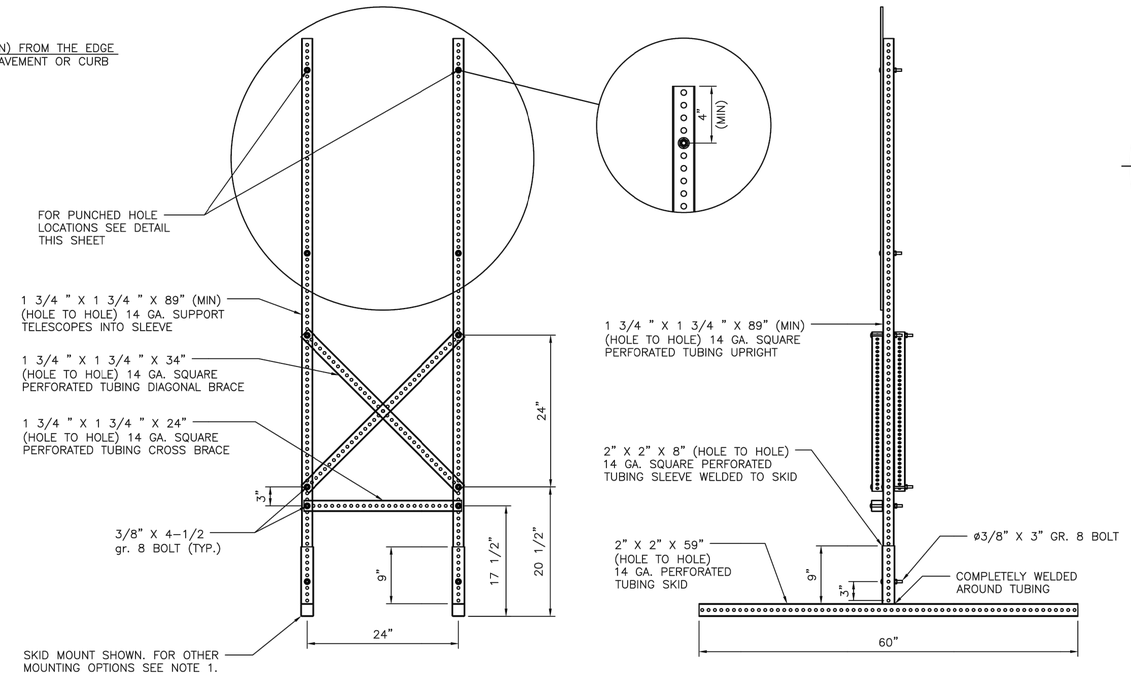


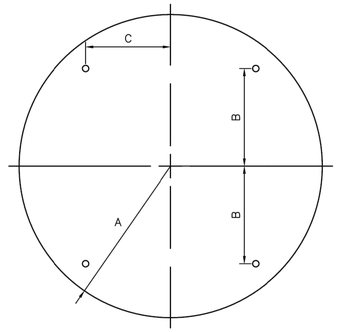
FRONT VIEW



FRONT VIEW

SIDE VIEW

SKID MOUNTED SUPPORTS FOR 48" PROJECT SIGN



CIRCLE

A	B	C	T
24"	15"	12"	0.080"

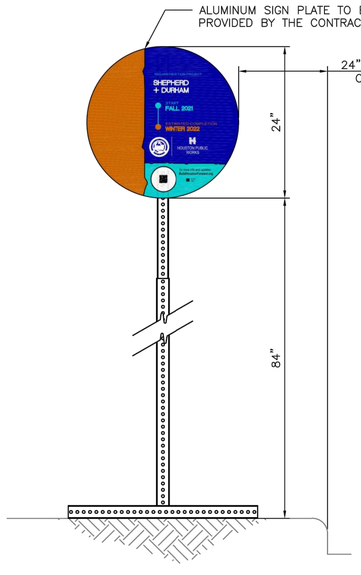
48" SIGN PLATE HOLE DETAIL

NOTES:

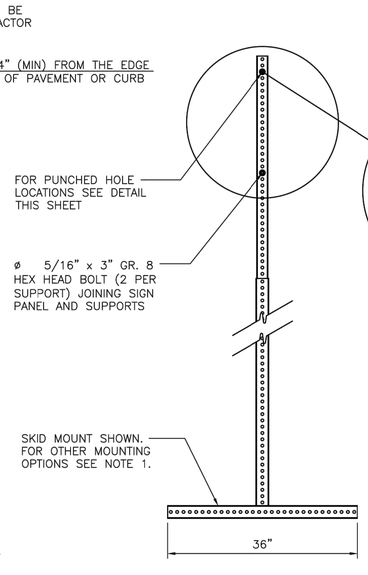
1. ALLOWABLE POST INSTALLATION METHODS ARE: CONCRETE FOOTING, SURFACE MOUNTING, SKID MOUNTING AND PILE DRIVEN POSTS.
2. FOR POST INSTALLATION WITH CONCRETE FOOTING, REFER TO DETAIL 01554-01.
3. FOR SURFACE MOUNTED POST INSTALLATION, REFER TO DETAIL 01554-02.
4. FOR SKID MOUNTING REQUIREMENTS REFER TO SPECIFICATION 01582.
5. PILE DRIVEN POSTS MUST BE DRIVEN TO A MINIMUM DEPTH OF 4-FEET INTO EXISTING GROUND.
6. LAYOUT, TEXT SIZE, AND OVERALL DESIGN OF THE SIGN WILL BE THE RESPONSIBILITY OF THE BUILD HOUSTON COORDINATOR.
7. ALL SIGN POSTS, SIGN TUBING, AND SIGN FASTENERS SHALL BE GALVANIZED STEEL PER SPECIFICATION 01582.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukait Tanwar 8EF5B9DC641F5478...	DocuSigned by: Carol Haddock A93C4109728345S...
CITY ENGINEER	DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: NOV-27-2023	DWG NO: 01582-01

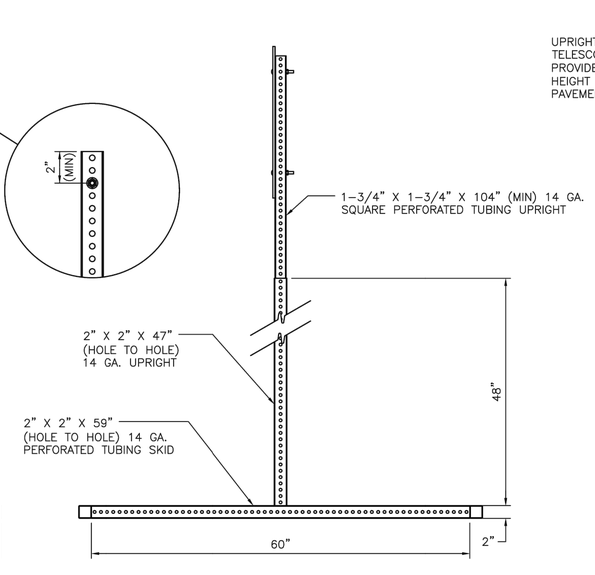
NO.	REVISION	REVISION	APP.



FRONT VIEW

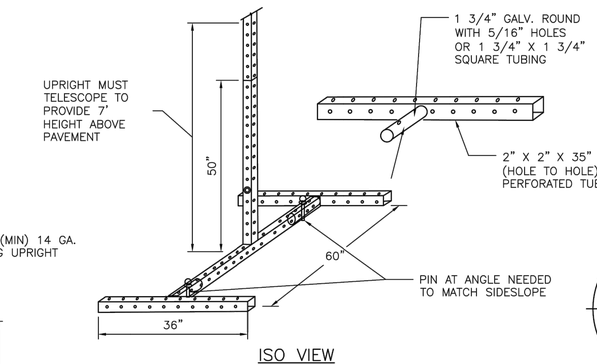


FRONT VIEW

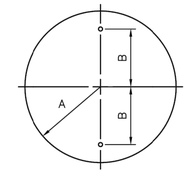


SIDE VIEW

SKID MOUNTED SUPPORTS FOR 24" PROJECT SIGN

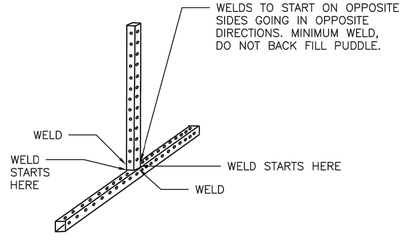


ISO VIEW



A	B	C
12"	8"	0.080"

24" SIGN PLATE HOLE DETAIL



ISO VIEW

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS — TRAVIS REESER — 126466 — LICENSED PROFESSIONAL ENGINEER — 5/13/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P-6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

CONSTRUCTION SIGN DETAIL

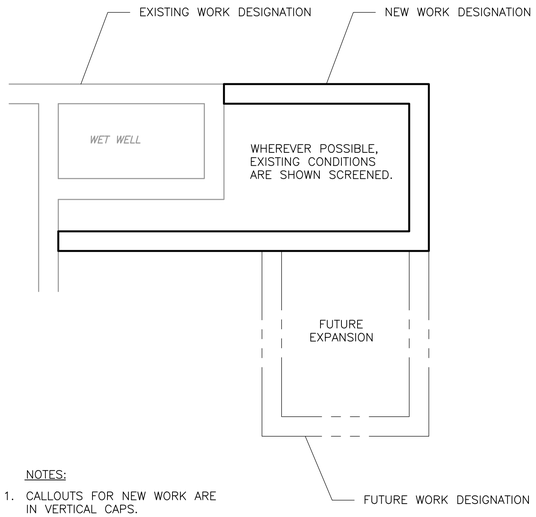
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 03 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
G-3

FILE PATH: C:\Users\vgibson\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\G-CNL.dwg

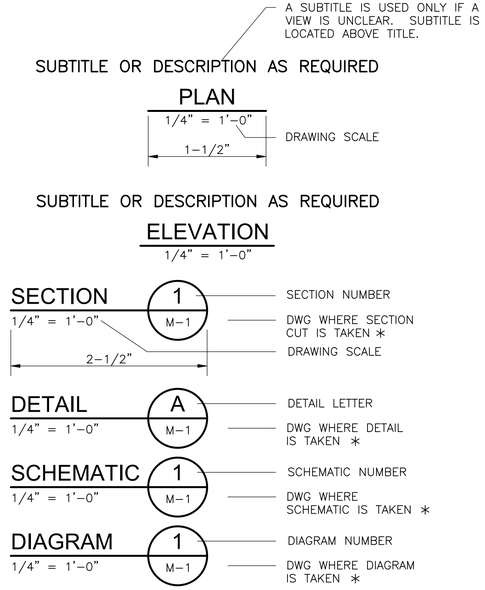
EXISTING OR FUTURE CONDITION DESIGNATION



NOTES:

1. CALLOUTS FOR NEW WORK ARE IN VERTICAL CAPS.
2. FUTURE LINE WORK IS SHOWN IN A PHANTOM LINE AND LABELED 'FUTURE'.

DRAWING, SECTION AND DETAIL TITLES



* IF SECTION, DETAIL, SCHEMATIC OR DIAGRAM IS DRAWN ON THE SAME SHEET THAT IT IS TAKEN FROM, REPLACE THE SHEET NUMBER WITH A HYPHEN. IF THE SECTION IS REFERENCED ON MULTIPLE SHEETS, THE SHEET NUMBER INDICATES THE FIRST SHEET THE SECTION IS TAKEN FROM.

GENERAL LINETYPES

F F F	WATER LINE (FIRE)
WM WM	WATER LINE (DOMESTIC)
SAN SAN	SANITARY LINE
STM STM	STORM LINE
	PROPERTY LINE
	WETLANDS

NOTES:

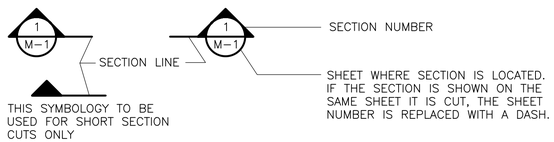
1. AREA ELECTRICAL CLASSIFICATIONS ARE SHOWN ON THE ELECTRICAL DRAWINGS. ALL PROCESS MECHANICAL EQUIPMENT, INSTALLATION AND CONNECTIONS ARE TO BE RATED FOR THE CLASSIFICATION OF THE AREA THEY ARE LOCATED IN.

EQUIPMENT / VALVE DESIGNATION

AB	AERATION BLOWER
AC	AIR COMPRESSOR
ACU	AIR CONDITIONING UNIT
AE	ANALOG ELEMENT
AHU	AIR HANDLING UNIT
AIT	ANALYTICAL INDICATING TRANSMITTER
AR	AIR RECEIVER
ARV	AIR RELIEF VALVE
ATS	AUTOMATIC TRANSFER SWITCH
AVS	AUTOMATIC VACUUM SWITCHOVER
BAFP	
BC	BACKFLOW PREVENTER
BCV	BELT CONVEYOR
BFP	BALL CHECK VALVE
BFV	BELT FILTER PRESS
BLR	BUTTERFLY VALVE
BP	BLOWER
BPFP	BELT PRESS UNIT
BS	BELT PRESS FEED PUMP
BV	BAR SCREEN
BWP	BALL VALVE
	BACKWASH PUMP
CF	COALESCING FILTER
CHL	CHLORINATOR
CLI	CHLORINE INJECTOR
CLLD	CHLORINE LEAK DETECTOR
CLSC	CHLORINE SCRUBBER
CNV	CONVEYOR
CP	CONTROL PANEL
CU	CONDENSING UNIT
CV	CHECK VALVE
CYL	CHLORINE CYLINDER SCALE
DB	
DCT	DIGESTER BLOWER
DDCV	DECANTER
DFLT	DUAL-DISK CHECK VALVE
DH	DISK FILTER
DNP	DUCT HEATER
DPIT	DRAIN PUMP
DPR	DIFFERENTIAL PRESS INDICATOR TRANSMITTER
DS	DAMPER
DST	DRUM SCALE
DV	DIESEL STORAGE TANK
	DIAPHRAGM VALVE
EF	EXHAUST FAN
FE	FLOW ELEMENT
FIT	FLOW INDICATING TRANSMITTER
FS	FLOW SWITCH
GC	GRIT CLASSIFIER
GEN	ELECTRIC GENERATOR
GLV	GLOBE VALVE
GP	GRIT PUMP
GR	GRINDER
GRU	GRIT REMOVAL UNIT
GSU	GRIT CAPTURE UNIT
GCU	GRIT CONCENTRATOR UNIT
GV	GATE VALVE
HPU	BELT TENSION AND STEERING HYDRAULIC PUMP
INFP	INFLUENT PUMP
JB	JUNCTION BOX
KGV	KNIFE GATE VALVE
LCP	LOCAL CONTROL PANEL
LE	LEVEL ELEMENT
LI	LEVEL INDICATOR
LIT	LEVEL INDICATOR TRANSMITTER
LPNL	LIGHTING PANEL
LS	LEVEL SWITCH
LSH	LEVEL SWITCH HIGH
LSHH	LEVEL SWITCH HIGH HIGH
LSL	LEVEL SWITCH LOW
LSLL	LEVEL SWITCH LOW LOW
LSP	LIFT STATION PUMP
LT	LEVEL TRANSMITTER
MCC	MOTOR CONTROL CENTER
MBS	MECHANICAL BAR SCREEN
MFS	MECHANICAL FINE SCREEN
MV	MUD VALVE
MXR	MIXER
NPW	NON-POTABLE WATER PUMP
NPWT	NON-POTABLE WATER TRANSFER PUMP
OC	OIL COOLER
PCV	PRESSURE CONTROL VALVE
PF	PARSHALL FLUME
PI	PRESSURE INDICATOR
PIN	PRESSURE INJECTOR
PIT	PRESSURE INDICATING TRANSMITTER
PLC	PROGRAMMABLE LOGIC CONTROLLER
PM	POWER METER
PMP	POLYMER FEED PUMP
PNL	PANEL
PP	POWER PANEL
PRLV	PRESSURE RELIEF VALVE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
PSH	PRESSURE SWITCH HIGH
PSHH	PRESSURE SWITCH HIGH HIGH
PSL	PRESSURE SWITCH LOW
PSLL	PRESSURE SWITCH LOW LOW
PV	PLUG VALVE
PWP	PLANT WATER PUMP
RP	RECIRCULATION PUMP
RD	REFRIGERATED DRYER
RIO	REMOTE I/O PANEL
RM	ROTAMETER
RTU	REMOTE TERMINAL UNIT
RV	RECIRCULATION VALVE
SAP	SAMPLE PUMP
SBSP	SODIUM BISULFITE FEED PUMP
SC	SLUDGE COLLECTOR
SCV	SWING CHECK VALVE
SD	SULFONATOR
SDI	SULFUR DIOXIDE INJECTOR
SDLD	SULFUR DIOXIDE DETECTOR
SDS	SULFUR DIOXIDE CYLINDER SCALE
SEC	SECURITY EQUIPMENT
SF	SUPPLY FAN
SG	SLIDE GATE
SHFP	SODIUM HYPOCHLORITE FEED PUMP
SLG	SLUICE GATE
SLH	SLUDGE HOPPER
SP	SUMP PUMP
SS	SOLID STATE REDUCED VOLTAGE STARTER
ST	STRAINER
STP	SLUDGE TRANSFER PUMP
SUP	SUBMERSIBLE PUMP
SV	SOLENOID VALVE
SWBD	SWITCH BOARD
SWC	SCREENINGS WASHING COMPACTOR
SWC	SCREENINGS WASHER COMPACTOR
SWGR	SWITCH GEAR
TE	TEMPERATURE ELEMENT
TI	TEMPERATURE GAUGE
TIT	TEMPERATURE INDICATING TRANSMITTER
TNK	TANK
TS	TEMPERATURE SWITCH
TSH	TEMPERATURE SWITCH HIGH
TSL	TEMPERATURE SWITCH LOW
TV	TELESCOPING VALVE
UH	UNIT HEATER
VCP	VALVE CONTROL PANEL
VFD	VARIABLE FREQUENCY DRIVE
VI	VACUUM GAUGE
VP	VACUUM PUMPS
VRV	VACUUM RELIEF VALVE
VTP	VERTICAL TURBINE PUMP
VV	VALVE VAULT
WE	WEIGHT ELEMENT
WG	WEIR GATE
WIT	WEIGHT INDICATING TRANSMITTER
WASP	WASTE SLUDGE PUMP
XE	UNDEFINED SENSOR
XFMR	TRANSFORMER
XIT	UNDEFINED TRANSMITTER
XS	UNDEFINED SWITCH

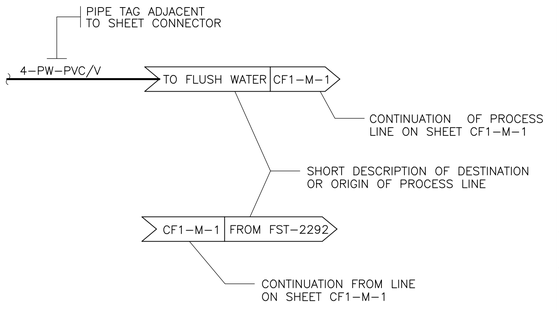
NO.	REVISION	REVISION	APP.

SECTION CUT SYMBOLS

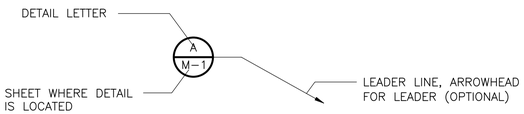


WHEN REFERENCING A SECTION IN A NOTE, USE 1/CF1-M-4 FORMAT INSTEAD OF THE BUBBLE

FLOW DIAGRAM SHEET CONNECTIONS



DETAIL CALL OUT SYMBOLS



WHERE A NOTE IS REQUIRED FOR CLARITY, A/CF1-M-4 FORMAT IS USED IN THE NOTE INSTEAD OF BUBBLE. IF MULTIPLE DETAILS REFER TO THE SAME AREA OF THE DRAWING, THE BUBBLES ARE STACKED SIDE BY SIDE.

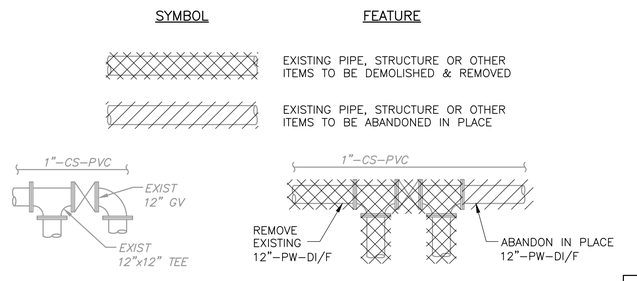
DESIGN DISCIPLINE DESIGNATIONS

G	GENERAL	H	BUILDING MECHANICAL (HVAC)
P	PROCESS	PL	PLUMBING
C	CIVIL	F	FIRE
SC1	SITE CIVIL EDDINGTON SITE	FA	FIRE ALARM
SC2	SITE CIVIL SCOTT STREET WWF SITE	FP	FIRE PROTECTION
YP	YARD PIPING	E	ELECTRICAL
D	DEMOLITION	I	INSTRUMENTATION AND CONTROL
A	ARCHITECTURAL	Z	STANDARD DETAILS
S	STRUCTURAL		
M	PROCESS MECHANICAL		

NOTES:

1. NOT ALL ABBREVIATIONS MAY BE USED IN A PARTICULAR PROJECT.
2. SOMETIMES A PROJECT MAY USE A SIMPLER ABBREVIATION SUCH AS C FOR ALL CIVIL RELATED ITEMS OF F FOR ALL FIRE RELATED ITEMS.
3. ON LARGER PROJECTS MAY ALSO HAVE A PROCESS AREA OR UNIT DESIGNATION AHEAD OF THE DISCIPLINE ABBREVIATION.

DEMOLITION/ABANDONMENT LEGEND



EXISTING – RETAINED

EXISTING – DEMOLISHED OR ABANDONED

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
G-4

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/19/2026

DESIGNED BY:	T. REESER
DRAWN BY:	J. GIBSON
CHECKED BY:	T. REESER
REVIEWED BY:	B. NICHOLAS
APPROVED BY:	B. NICHOLAS

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

LEGENDS AND ABBREVIATIONS I

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 04 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 4:39 PM
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PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 4:39 PM

PIPE AND FITTING SYMBOLS

DOUBLE LINE PIPING	SINGLE LINE PIPING	FEATURE
		PROCESS PIPING
		EXISTING PROCESS PIPING
		FUTURE PROCESS PIPING
		WELDED JOINT
		DIRECTION OF FLOW
		SCREWED OR THREADED JOINT (SEE NOTE 1)
		FLANGED JOINT (SEE NOTE 1)
F	R	COUPLING FOR GROOVED END JOINTS: (F) FLEXIBLE OR (R) RIGID
		MECHANICAL JOINT (SEE NOTE 1)
		PUSH ON JOINT OR CAULKED BELL & SPIGOT JOINT (SEE NOTE 1)
		FLANGE x PLAIN END PIPE COUPLING (FLANGE ADAPTOR)
		FLANGE x PLAIN END PIPE COUPLING, RESTRAINED (FLANGE ADAPTOR, RESTRAINED)
		PIPE COUPLING (SLEEVE–TYPE)
		PIPE COUPLING, RESTRAINED (AWWA–11)
		FLEXIBLE COUPLING OR EXPANSION JOINT (SLEEVE TYPE)
		UNION
		FLEXIBLE COUPLING OR EXPANSION JOINT (BELLOWS TYPE)
		FLANGE GUARD
		PLUG
		PIPE TURNED 90° TOWARD
		PIPE TURNED 90° AWAY
		TEE IN PIPE RUN WITH BRANCH DOWN

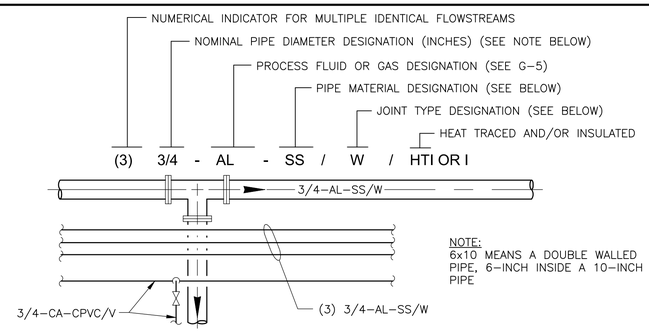
PIPE AND FITTING SYMBOLS (CONT.)

DOUBLE LINE PIPING	SINGLE LINE PIPING	FEATURE
		TEE IN PIPE RUN WITH BRANCH UP
		PITCH PIPE TO LOW POINT
		MECHANICAL JOINT – RESTRAINED
		BALL JOINT
		QUICK CONNECT COUPLING
		HOSE COUPLING
		HOSE COUPLING w/CAP
		BLIND FLANGE
		DRAIN
		LIQUID QUICK DISCONNECT
		AIR QUICK DISCONNECT
		DIAPHRAM SEAL STANDARD
		FLEXIBLE HOSE CONNECTION

PIPE AND FITTING SYMBOLS NOTES:

1. GENERIC JOINT SYMBOL IS USED FOR ALL SINGLE LINE PIPING SHOWN ON THE INTERIOR AND EXTERIOR PIPING DRAWINGS.
2. UNLESS MODIFIED BY THE GENERAL PROJECT NOTES OR DETAILED ON THE LAYOUT AND SCHEMATIC DRAWINGS, PIPE AND FITTING JOINT REQUIREMENTS FOR THE VARIOUS PIPE MATERIALS ARE DEFINED IN THE SPECIFICATIONS AND ARE INDICATED ON THE PROCESS PIPE SCHEDULES

PIPE IDENTIFICATION SYSTEM



NOTE:
6x10 MEANS A DOUBLE WALLED PIPE, 6–INCH INSIDE A 10–INCH PIPE

DEPICTED IS A THREE (3) 3/4–INCH DIAMETER STAINLESS STEEL PIPE WITH WELDED JOINT TO TRANSPORT ALUM.

PIPE MATERIALS LEGEND

DESIGNATION	PIPE MATERIALS
ABS	ACRYLONITRILE – BUTADIENE – STYRENE
BS	BLACK STEEL
CI	CAST IRON
CIS	CAST IRON – SOIL
CM	CORRUGATED METAL
CPVC	CHLORINATED POLYVINYL CHLORIDE
CS	CARBON STEEL
CU	COPPER
DI	DUCTILE IRON
FRP	FIBER REINFORCED PLASTIC
GCS	GALVANIZED CARBON STEEL
HDPE	HIGH DENSITY POLYETHYLENE
MDPE	MEDIUM DENSITY POLYETHYLENE (FOR NATURAL GAS)
PE	POLYETHLENE
PP	POLYPROPYLENE
PVC	POLYVINYL CHLORIDE
PVCI	POLYVINYL CHLORIDE (DOUBLED WALLED PIPE)
RBH	RUBBER HOSE
RCP	REINFORCED CONCRETE PIPE
RCCP	REINFORCED CONCRETE CYLINDER PIPE
SS	STAINLESS STEEL
STL	STEEL (CARBON)
VC	VITRIFIED CLAY

PIPE JOINT LEGEND

DESIGNATION	JOINT TYPE
BSM	BELL & SPIGOT – MORTAR JOINT
BSO	BELL & SPIGOT – RUBBER O RING
C	COMPRESSION (TUBE FITTINGS)
F	FLANGED
G	GROOVED
H	HEAT FUSION
MJ	MECHANICAL JOINT
PE	PLAIN END
PO	PUSH ON
POR	PUSH ON RESTRAINED
RMJ	RESTRAINED MECHANICAL JOINT
S	SOLDERED
SW	SOCKET WELDED
T	THREADED
V	SOLVENT CEMENTED
W	BUTT WELDED
QD	QUICK DISCONNECT COUPLING

NO.	REVISION	REVISION	APP.

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3115 Allen Parkway, Suite 300
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STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/13/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P–6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

LEGENDS AND ABBREVIATIONS II

WARNING
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DWG NO
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WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 05 OF 403	

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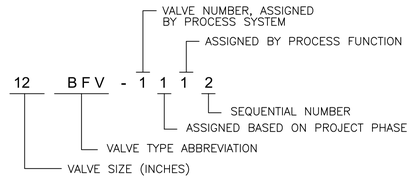
VALVE TAGS



NOTE:
ALL CONTROL VALVES, ALL ELECTRICALLY ACTUATED VALVES AND ALL VALVES WILL BE GIVEN INDIVIDUAL EQUIPMENT NUMBERS.

VALVE ABBREVIATIONS

ABBREVIATIONS	DESCRIPTION
ARV	AIR RELEASE VALVE
AV	ANGLE VALVE
AVRV	AIR/VACUUM RELEASE VALVE
BCV	BALL CHECK VALVE
BFV	BUTTERFLY VALVE
BPRV	BACK PRESSURE REGULATING VALVE
BV	BALL VALVE
CV	CONE VALVE
CSCV	AIR OR OIL CUSHIONED SWING CHECK VALVE
DV	DIAPHRAGM VALVE
FCV	FLOW CONTROL VALVE
FG	FLAP GATE
FLV	FLOAT VALVE
FLPV	FLAP VALVE
GOV	GLOBE VALVE
GV	GATE VALVE
ICV	INLINE CHECK VALVE
KGV	KNIFE GATE VALVE
MV	MUD VALVE
NV	NEEDLE VALVE
PCV	PRESSURE CONTROL VALVE
PNV	PINCH VALVE
PRV	PRESSURE RELIEF VALVE
PVCV	PRESSURE REDUCING CHECK VALVE
PV	PLUG VALVE
PRCV	PRESSURE VACUUM RELIEF VALVE
SCV	SWING CHECK VALVE
SCRV	SELF-CONTAINED REGULATING VALVE
SDCV	SPLIT DISC CHECK VALVE
SG	SLIDE GATE
SOLV	SOLENOID VALVE
SRV	SURGE RELIEF VALVE
TDCV	TILTING DISC CHECK VALVE
TSV	TELESCOPING VALVE
VRV	VACUUM RELIEF VALVE

ACTUATOR SYMBOLS

DESIG.	PROCESS FLOW
	DIAPHRAGM – SPRING CLOSED
P	DIAPHRAGM – SPRING CLOSED W/ POSITIONER
	DIAPHRAGM – DOUBLE ACTING OR PRESSURE BALANCED
M	ELECTRIC MOTOR (CONSTANT SPEED)
M	ELECTRIC MOTOR (VARIABLE SPEED)
S	SOLENOID
	HAND
	AIR
	HYDRAULIC CYLINDER
E/H	ELECTRO-HYDRAULIC

VALVE SYMBOLS

SYMBOL	TYPE	SYMBOL	TYPE
K	KNIFE GATE VALVE		SELF-CONTAINED REGULATING VALVE
	PINCH VALVE		PRESSURE RELIEF VALVE
	BALL VALVE		VACUUM RELIEF VALVE
	DIAPHRAGM VALVE		AIR RELIEF/VACUUM BREAKER
	BUTTERFLY VALVE		EXTERNAL TAP REGULATING VALVE
	GATE VALVE		THREE-WAY BALL VALVE
	CONE VALVE		FOUR-WAY VALVE
	PLUG VALVE		FLAP VALVE (GATE)
	SWING CHECK VALVE		SHEAR GATE
	BALL CHECK VALVE		NEEDLE VALVE
	GLOBE VALVE		RUPTURE DISK FOR VACUUM RELIEF
	FLOAT ACTUATED VALVE		RUPTURE DISK FOR PRESSURE RELIEF
	MUD VALVE		ANGLE VALVE
	BACKFLOW PREVENTER	PCV	PRESSURE CONTROL REGULATOR (SELF CONTAINED)
	TILTING DISC CHECK VALVE	CV	CONTROL VALVE
	SPLIT DISC CHECK VALVE	FCV	FLOW CONTROL VALVE
	SLEEVE VALVE		
S	SOLENOID VALVE		
M	MOTOR OPERERATED VALVE		
	VALVE WITH CAP		
M	TELESCOPING VALVE (MOTORIZED)		
	QUICK DISCONNECT		
	AIR QUICK DISCONNECT		
	DIAPHRAM SEAL STANDARD		
	ROTAMETER		
	Y-STRAINER		
	PUMP CALIBRATION CYLINDER		

PROCESS FLOW STREAM ABBREVIATIONS

CODE	SERVICE	WORKING PRESSURE	TEST PRESSURE
DR	DRAIN	80 PSIG	125 PSIG
FS	FERRIC SULFATE (ODOR CONTROL)	40 PSIG	100 PSIG
HPW	HIGH PRESSURE WATER	150 PSIG	250 PSIG
IA	INSTRUMENT AIR	15–100 PSIG	25–150 PSIG
NG	NATURAL GAS	5 PSIG	50 PSIG
NPW	NON-POTABLE WATER	100 PSIG	150 PSIG
OF	OVERFLOW	10–40 PSIG	20–60 PSIG
PA	PLANT AIR	100–150 PSIG	150 PSIG
PW	POTABLE WATER	95 PSIG	150 PSIG
PPW	PROTECTED POTABLE WATER	75 PSIG	150 PSIG
RS	RAW SEWAGE	100 PSIG	150 PSIG
SPD	SUMP PUMP DISCHARGE	10 PSIG	40 PSIG
SRS	SCREENED RAW SEWAGE	75 PSIG	100 PSIG
SS	STORM SEWER	–	5 PSIG
SSG	SANITARY SEWER – GRAVITY	5 PSIG	15 PSIG
SSF	SANITARY SEWER – FORCE MAIN (DRY WEATHER)	55 PSIG	150 PSIG, SEE NOTE 1
SSF	SANITARY SEWER – FORCE MAIN (WET WEATHER)	100 PSIG	150 PSIG, SEE NOTE 1
TW	TEPID WATER	75 PSIG	150 PSIG
V	VENT	ATM (1)	25 PSIG

* NOTE:

1. NEW SSF PIPING SHALL BE TESTED AT 150 PSIG; EXISTING SSF PIPE BURIED SHALL BE PROTECTED FROM THIS TEST PRESSURE.
2. FORCE MAINS SHALL BE TESTED AS PER SPECIFICATION SECTION 02532.
3. WHEN TESTING GRAVITY DRAIN LINE, CONTRACTOR SHALL PROTECT ITEMS SUCH AS FLEXIBLE CONNECTORS, FLOOR DRAINS, AND EQUIPMENT NOT RATED FOR FULL TEST PRESSURE.
4. COMPLY WITH PIPE TESTING REQUIREMENTS OUTLINED IN SPECIFICATION 15050.
5. GRAVITY SANITARY SEWER AND PROCESS GRAVITY SEWERS SHALL BE TESTED IN ACCORDANCE WITH SECTION 02533 – ACCEPTANCE TESTING FOR SANITARY SEWERS.

NO.	REVISION	REVISION	APP.

WARNING
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STATE OF TEXAS
TRAVIS REESER
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5/13/2026

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REVIEWED BY: B. NICHOLAS
APPROVED BY: B. NICHOLAS

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

LEGENDS AND ABBREVIATIONS III

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
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DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 06 OF 403	

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GENERAL NOTES

1. EXISTING UTILITIES ARE SHOWN ON THE PLAN IN A GENERAL MANNER FROM INFORMATION SUPPLIED BY THE SURVEYOR, EXISTING PLANS, AND / OR INFORMATION PROVIDED BY UTILITY OWNERS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICT.
2. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION.
3. ALL STORM SEWER PIPE FOR THE PROJECT SHALL BE REINFORCED CONCRETE PIPE (OR AN APPROVED EQUAL) UNLESS OTHERWISE NOTED ON THE PLANS.
4. CONTRACTOR TO COORDINATE WITH THE SURVEYOR TO CHECK AND / OR RESET THE BENCHMARK AND THE PROPERTY CORNERS.
5. WHERE ANY EXISTING WATERLINE CONFLICTS WITH THE PROPOSED CONSTRUCTION OF STORM SEWERS AND / OR SANITARY SEWERS, THE WATERLINE SHALL BE ADJUSTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS PRESCRIBED BY THE UTILITY OWNER.
6. ALL WORK INDICATED ON THE DRAWINGS IS NEW AND SHALL BE PERFORMED AND PROVIDED BY THE CONTRACTOR UNLESS SPECIFICALLY NOTED OTHERWISE AS NOT IN CONTRACT (NIC). SUB-CONTRACTORS ARE TO PROPERLY CONNECT AND COORDINATE THEIR WORK WITH THE WORK OF OTHERS AS SHOWN ON THE DRAWINGS AND AS INDICATED IN THE SPECIFICATIONS (IF APPLICABLE).
7. CONTRACTOR SHALL COORDINATE THE WORK OF VARIOUS TRADES TO AVOID POSSIBLE INTERFERENCES, DUPLICATION OF WORK, OR UNFINISHED GAPS BETWEEN OPERATIONS. ANY DELAYS OR CHANGES RESULTING FROM CONFLICTS BETWEEN TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE GENERAL CONDITIONS OF THE CONTRACT SHALL BE THOSE AGREED UPON BY AND BETWEEN THE OWNER AND THE GENERAL CONTRACTOR.
8. ALL MATERIALS USED FOR THE COMPLETION OF THE WORK ELEMENTS NOTED HEREIN SHALL BE NEW, FIRST QUALITY CONDITION AND DELIVERED TO THE JOB SITE IN UNDAMAGED CONDITION.
9. THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT INSTALLATION METHODS CONFORM TO ALL BUILDING CODE REQUIREMENTS. THE MATERIALS SPECIFIED HEREIN ARE INTENDED TO MEET CODE REQUIREMENTS; ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND CODE REQUIREMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO PROCEEDING WITH WORK ELEMENTS SPECIFIED.
10. THE CONTRACTOR IS RESPONSIBLE THAT ALL ACCESSIBILITY CODES ARE MET TO THE FULLEST EXTENT. REQUIRED DIMENSIONS AND TOLERANCES SHALL BE MET AS REQUIRED AND ANY WORKMANSHIP ERRORS OR CORRECTIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
11. THESE DRAWINGS AND WRITTEN SPECIFICATIONS ARE COMPLEMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY ALL.
12. NO SUBSTITUTIONS OF SPECIFIED MATERIALS SHALL BE ALLOWED UNLESS FIRST SUBMITTING SPECIFICATIONS, SAMPLES, COST AND TIME SCHEDULE IMPACT DATE TO ENGINEER FOR APPROVAL IN WRITING. NO CHANGES ARE TO BE MADE TO THE DESIGN INTENT, MATERIALS OR LAYOUT OF THE PROJECT UNLESS APPROVED IN WRITING, BY THE ENGINEER, PRIOR TO CHANGED BEING MADE.
13. ALL CONTRACTORS SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF ALL TRASH AND DEBRIS, AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE SPOILING.
14. IF APPLICABLE, THE CONSTRUCTION SHALL NOT RESTRICT A FIVE FOOT CLEAR AND UNOBSTRUCTED ACCESS TO ANY WATER OR POWER DISTRIBUTION FACILITIES (POWER POLES, PULL BOXES, TRANSFORMERS, VAULTS, PUMPS, VALVES, METERS, APPURTENANCES, ETC.) OR TO THE LOCATION OF THE HOOK-UP. THE CONSTRUCTION SHALL NOT BE WITHIN TEN FEET OF ANY POWER LINES WHETHER OR NOT THE LINES ARE LOCATED ON THE PROPERTY. FAILURE TO COMPLY MAY CAUSE CONSTRUCTION DELAYS AND/OR ADDITIONAL EXPENSES.
15. POST CONTRUCTION REQUIREMENT: ON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ORIGINAL INFRASTRUCTURE (ROADS, PIPES, PAVING, GRADING ETC.) THAT WAS MOVED OR ALTERED TO FACILITATE TEMPORARY CONSTRUCTION TO THE DESIGN FORM (LOCATION, ELEVATION, DIMENSIONS, STRENGTH ETC.) OR ORIGINAL FORM AND FUNCTION.

GRADING NOTES

1. PRIOR TO BEGINNING THE WORK, NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN THE PLANS OR FIELD CONFLICTS.
2. BEFORE PERFORMING ANY EARTHWORK, THE CONTRACTOR SHALL REMOVE ALL TOPSOIL, TREES, ROOTS, AND OTHER UNSUITABLE MATERIALS FROM THE CUT AND / OR FILL AREAS.
3. THE DEVELOPMENT OF THIS TRACT SHALL NOT ADVERSELY AFFECT THE DRAINAGE OF THE NEIGHBORING PROPERTY AT ANY TIME FOR ANY REASON.
4. NO EARTHEN SLOPE ON THIS PROJECT SHALL EXCEED 4:1 UNLESS OTHERWISE NOTED ON THE PLANS.
5. ALL EXISTING MANHOLE RIMS, VALVE COVERS, METER BOXES, ETC. SHALL BE RAISED OR LOWERED TO THE PROPOSED GRADE AS REQUIRED. THIS WORK SHALL MEET THE REQUIREMENTS OF THE UTILITY OWNER.
6. ALL PAVING AND FLATWORK SHALL MEET OR EXCEED THE RECOMMENDATIONS OUTLINED IN A SITE SPECIFIC GEOTECHNICAL REPORT PREPARED BY AN ENGINEER LICENSED TO PRACTICE IN THE STATE OF TEXAS.
7. FILL SHALL BE PLACED IN 8–INCH LOOSE LIFTS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY UNLESS A HIGHER STANDARD IS REQUIRED BY THE GEOTECHNICAL ENGINEER.
8. ALL EARTH WORK FOR THIS PROJECT SHALL BE IN CONFORMANCE WITH THE SWPPP.
9. PRIOR TO THE CONCLUSION OF THE PROJECT, THE CONTRACTOR SHALL ESTABLISH TURF COVER ON ALL DISTURBED AREAS. THE MINIMUM RATE OF GERMINATION SHALL BE 90%. THE CONTRACTOR'S BID PRICE SHALL COVER REAPPLICATION AS REQUIRED TO MEET THIS REQUIREMENT. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THIS REQUIREMENT IS SATISFIED.
10. ANY ADJUSTMENT TO FINISH FLOOR GRADES SHALL BE APPROVED BY THE ENGINEER.

DETENTION NOTES

1. **THE DETENTION POND SHALL BE CONSTRUCTED BEFORE ANY BUILDINGS OR PAVING TO ENSURE THAT STORM WATER RUNOFF FROM THIS SITE DOES NOT INCREASE AT ANY TIME FOR ANY REASON.**
2. **THE CONTRACTOR SHALL PROMPTLY REPAIR ANY WASHOUTS, RILLS, OR SLOPE FAILURES. THESE REPAIRS (IF ANY) SHALL BE INCLUDED IN THE BID PRICE.**
3. **SEE SITE GRADING AND SWPPP NOTES IN THESE PLANS FOR ADDITIONAL REQUIREMENTS.**
4. **THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE DETENTION POND UNTIL THE CONCLUSION OF CONSTRUCTION. MAINTENANCE SHALL INCLUDE DEBRIS CLEANUP, SEDIMENT REMOVAL, MOWING, AND IRRIGATION AND SHALL BE INCLUDED IN THE BID PRICE.**
5. **ADEQUATE DRAINAGE OF THE SITE SHALL BE MAINTAINED AT ALL TIMES. ANY DRAINAGE FACILITY DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.**
6. **AT THE CONCLUSION OF CONSTRUCTION, THE ENGINEER SHALL BE NOTIFIED AND GIVEN THE OPPORTUNITY TO INSPECT THE POND. THE ENGINEER RESERVES THE RIGHT TO REQUEST AS-BUILT SURVEY OF THE POND AT NO ADDITIONAL COST TO THE OWNER. THE OWNER SHALL ASSUME ALL RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF THE DETENTION POND AFTER THIS INSPECTION.**
7. **POND SHALL BE SEEDED AND WATERED TO ESTABLISH 90% GERMINATION. CONTRACTOR SHALL MONITOR WEATHER AND IS RESPONSIBLE FOR RESEEDING COSTS IF SEEDING IS WASHED OUT DUE TO RAIN.**

SWPPP NOTES

1. **THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THIS STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND FOR INSTALLING, MAINTAINING, AND ADJUSTING ALL REQUIRED BMPs PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND THROUGH FINAL STABILIZATION, IN ACCORDANCE WITH THE TCEQ TPDES CONSTRUCTION GENERAL PERMIT (TXR150000) AND CITY OF HOUSTON SPECIFICATIONS.**
2. **THE CONTRACTOR SHALL COMPLETE AND SIGN THE T.C.E.Q. "CONSTRUCTION SITE NOTICE" (ATTACHMENT #2 OF THE TPDES GENERAL PERMIT TXR150000).**
3. **THE CONTRACTOR SHALL POST A SIGNED COPY OF THE "CONSTRUCTION SITE NOTICE" WHERE IT IS READILY AVAILABLE FOR VIEWING BY THE GENERAL PUBLIC, AND LOCAL, STATE, AND FEDERAL AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND SHALL MAINTAIN THIS NOTICE UNTIL COMPLETION OF THE WORK.**
4. **THE CONTRACTOR SHALL PROVIDE A COPY OF THE SIGNED "CONSTRUCTION SITE NOTICE" TO THE OPERATOR OF ANY MUNICIPAL STORM SEWER SYSTEM RECEIVING STORM WATER DISCHARGE FROM THE SITE AT LEAST TWO (2) DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.**
5. **THE PROPERTY OWNER OR THE CONTRACTOR SHALL CONTACT THE CITY AND/OR COUNTY AS REQUIRED FOR A PRE-CONSTRUCTION INSPECTION PRIOR TO COMMENCING ANY CLEARING OR CONSTRUCTION ACTIVITIES ON THE SITE.**
6. **PERIMETER CONTROLS (RFB, IPB, ETC.) SHALL BE INSTALLED PRIOR TO CLEARING, GRUBBING, OR EARTHWORK AND SHALL REMAIN IN PLACE UNTIL PERMANENT STABILIZATION IS ACHIEVED.**
7. **BMPs SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER EACH 0.5-INCH OR GREATER RAINFALL EVENT. DAMAGED BMPs SHALL BE REPAIRED OR REPLACED PROMPTLY. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATION REACHES FIFTY PERCENT (50%) OF THE EFFECTIVE HEIGHT.**
8. **DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR MORE THAN FOURTEEN (14) DAYS SHALL BE TEMPORARILY STABILIZED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.**
9. **STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE, OUTSIDE DRAINAGE SWALES, AND SURROUNDED BY PERIMETER CONTROLS.**
10. **CONCRETE TRUCK WASHOUT SHALL BE PROVIDED ONLY AT DESIGNATED AREAS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. DISPOSAL OF HARDENED CONCRETE AND WASH WATER SHALL BE IN ACCORDANCE WITH REGULATIONS.**
11. **ALL CONSTRUCTION VEHICLES SHALL USE THE STABILIZED CONSTRUCTION ENTRANCE. ANY MUD, SOIL, OR DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE REMOVED DAILY, AT A MINIMUM, OR MORE FREQUENTLY AS NEEDED, USING NON-DESTRUCTIVE METHODS (E.G., MECHANICAL SWEEPING OR VACUUM SWEEPING). FLUSHING OR WASHING INTO STORM DRAINS IS PROHIBITED.**
12. **PRIOR TO PROJECT CLOSEOUT, THE CONTRACTOR SHALL ESTABLISH TURF COVER ON ALL DISTURBED AREAS. THE MINIMUM RATE OF GERMINATION SHALL BE NINETY PERCENT (90%). CONTRACTOR SHALL RESEED AS NECESSARY TO MEET THIS REQUIREMENT AT NO ADDITIONAL COST TO THE OWNER. UPON ACHIEVEMENT OF FINAL STABILIZATION, CONTRACTOR SHALL REMOVE ALL TEMPORARY STORM WATER QUALITY CONTROL MEASURES NOT REQUIRED TO REMAIN..**

NO.	DATE	REVISION	APP.

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DATE: 5/14/2026

DESIGNED BY: MS	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
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CHECKED BY: NS	
REVIEWED BY: NS	
APPROVED BY: NS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

DRAINAGE & SWPPP GENERAL CONSTRUCTION NOTES

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0 1
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DWG NO
G–7

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
NTS	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 07 OF 403	

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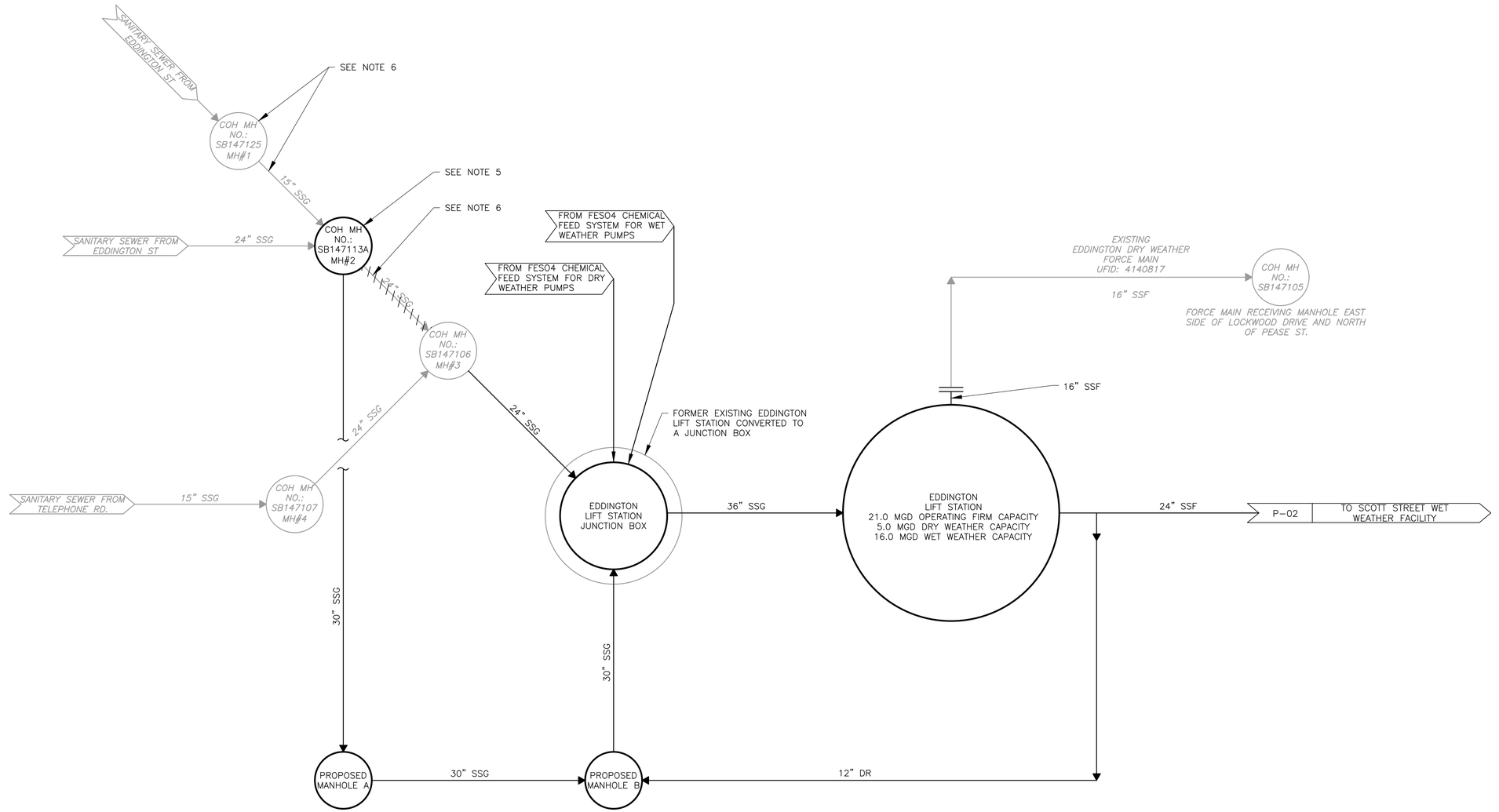

NOTES

1. THE PROCESS FLOW BLOCK DIAGRAM REPRESENTED HERE ILLUSTRATES A GENERAL REPRESENTATION OF THE IMPROVEMENTS AT THE EDDINGTON LIFT STATION AND ASSOCIATED 24-INCH WET WEATHER FORCE MAIN. REFER TO THE P&ID DRAWINGS AND DETAILED DESIGN DRAWINGS FOR ADDITIONAL DETAILS.
2. THESE DESIGN IMPROVEMENTS ARE BASED ON AN ADMINISTRATIVE ORDER TO CAPTURE THE 5-YEAR 6-HOUR STORM EVENT.
3. REFER TO THE DEMOLITION SERIES DRAWINGS FOR PROPOSED CONSTRUCTION SEQUENCING AND BYPASS PUMPING OPERATIONS.
4. MANHOLES #1 THROUGH #4 ARE POTENTIAL LOCATIONS WHERE BYPASS PUMPING OPERATIONS CAN BE SET UP. REFER TO THE DEMOLITION D SERIES DRAWINGS AND SPECIFICATIONS SECTIONS 01110 SUMMARY OF WORK AND 11500 TEMPORARY BYPASS PUMPING.
5. COORDINATE MANHOLE CONNECTION WITH CITY OF HOUSTON PROJECT CRMP CIP PACKAGE 5 SANITARY SEWER IMPROVEMENTS UPSTREAM OF EDDINGTON LIFT STATION. WBS NO.: R-01000-0036.
6. MANHOLE SB14125 WILL BE ELIMINATED AS PART OF THE SANITARY SEWER IMPROVEMENTS UPSTREAM OF THE EDDINGTON LIFT STATION. ASSOCIATED GRAVITY SEWERS WILL BE REMOVED OR ABANDONED AS PART OF THE LIFT STATION AND COLLECTION SYSTEM PROJECTS.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/14/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P-6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PROCESS FLOW DIAGRAM I

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P-1

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 08 OF 403	

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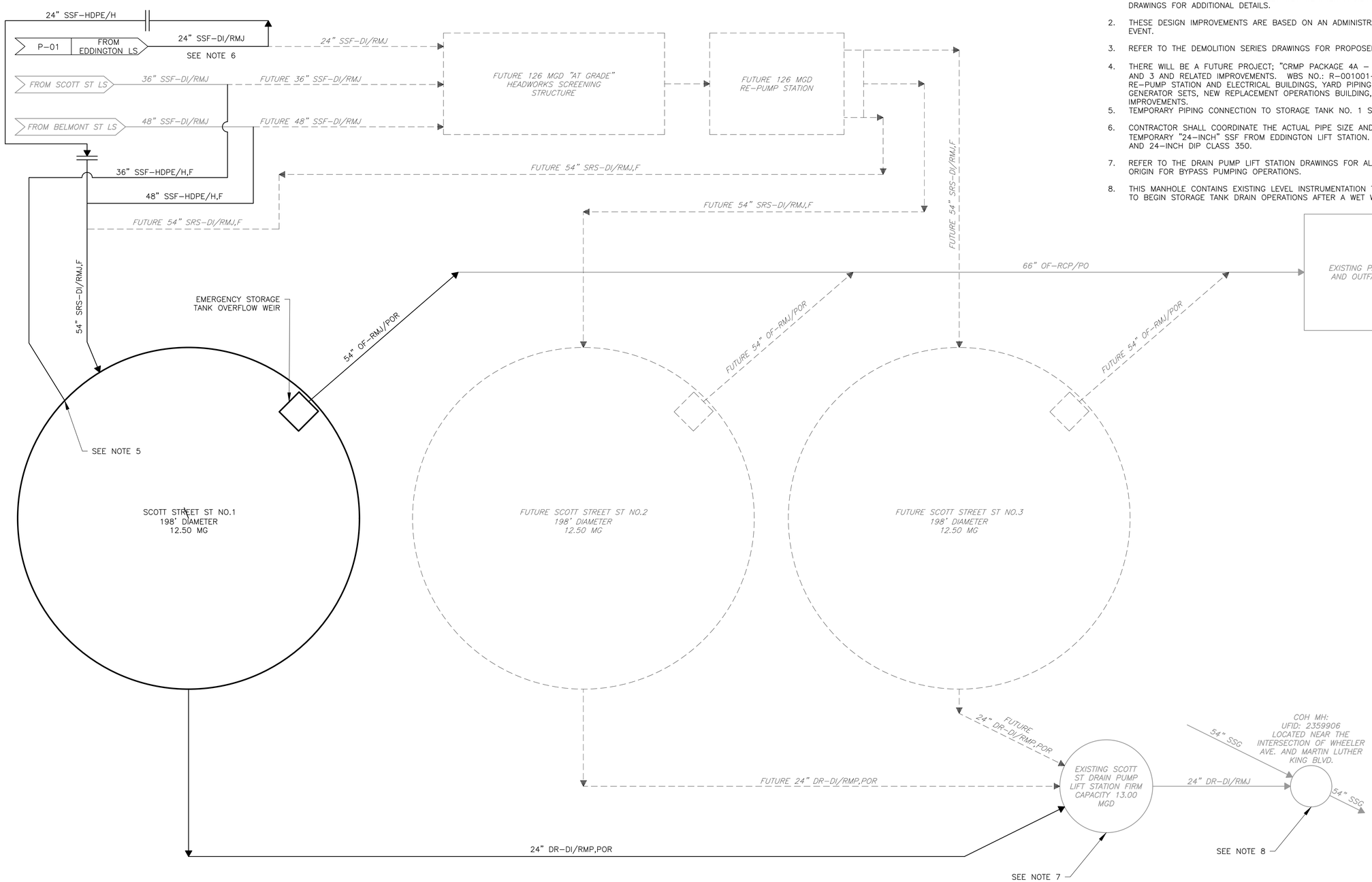

NOTES

1. THE PROCESS FLOW BLOCK DIAGRAM REPRESENTED HERE ILLUSTRATES A GENERAL REPRESENTATION OF THE IMPROVEMENTS AT THE SCOTT STREET WET WEATHER FACILITY. REFER TO THE P&ID DRAWINGS AND DETAILED DESIGN DRAWINGS FOR ADDITIONAL DETAILS.
2. THESE DESIGN IMPROVEMENTS ARE BASED ON AN ADMINISTRATIVE ORDER TO CAPTURE THE 5-YEAR 6-HOUR STORM EVENT.
3. REFER TO THE DEMOLITION SERIES DRAWINGS FOR PROPOSED CONSTRUCTION SEQUENCING AND BYPASS OPERATIONS.
4. THERE WILL BE A FUTURE PROJECT; "CRMP PACKAGE 4A – SCOTT STREET WET WEATHER FACILITY STORAGE TANKS NO. 2 AND 3 AND RELATED IMPROVEMENTS. WBS NO.: R-001001-0035-4", THAT WILL ADD A HEADWORKS SCREENING FACILITY, RE-PUMP STATION AND ELECTRICAL BUILDINGS, YARD PIPING, VALVING, STORAGE TANKS NO. 2 & NO. 3, STANDBY GENERATOR SETS, NEW REPLACEMENT OPERATIONS BUILDING, A LARGER WASHWATER STORAGE TANK AND OTHER RELATED IMPROVEMENTS.
5. TEMPORARY PIPING CONNECTION TO STORAGE TANK NO. 1 SIDE WALL MANHOLE.
6. CONTRACTOR SHALL COORDINATE THE ACTUAL PIPE SIZE AND MATERIAL FOR ON-SITE ROUTING OF PERMANENT VERSUS TEMPORARY "24-INCH" SSF FROM EDDINGTON LIFT STATION. PROPOSED BID MATERIALS ARE 28: HDPE IPS (DR 13.5) AND 24-INCH DIP CLASS 350.
7. REFER TO THE DRAIN PUMP LIFT STATION DRAWINGS FOR ALL EXISTING WET WELL PIPING CONNECTIONS AND POINTS OF ORIGIN FOR BYPASS PUMPING OPERATIONS.
8. THIS MANHOLE CONTAINS EXISTING LEVEL INSTRUMENTATION TO SIGNAL WHEN THE COLLECTION SYSTEM IS LOW ENOUGH TO BEGIN STORAGE TANK DRAIN OPERATIONS AFTER A WET WEATHER EVENT.

NO.	REVISION	REVISION	APP.

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STATE OF TEXAS
TRAVIS REESER
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LICENSED
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5/14/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P-6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PROCESS FLOW DIAGRAM II

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P-2

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 09 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 4:39 PM

FILE PATH: C:\Users\vgibson\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\P-PFDI.dwg

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 4:40 PM

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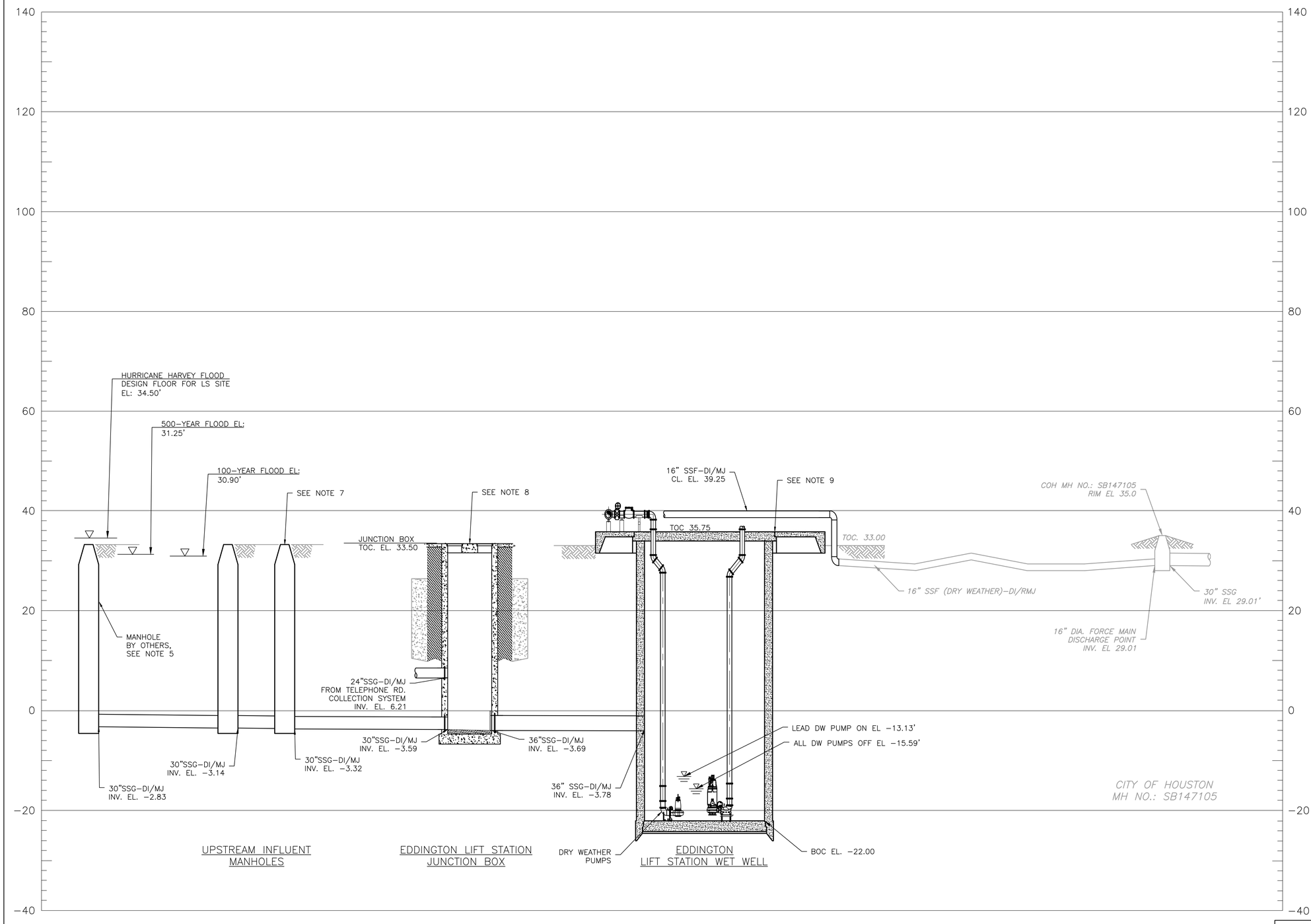

NOTES:

1. THE PROJECT LIES ON FEMA FIRM PANEL MAP NUMBER 48201C0880M PANEL 880 OF 1150, EFFECTIVE DATE JANUARY 6, 2017. ZONE AE AND BFE 30.9' AND THE 500−YEAR FLOOD ELEVATION IS 31.25'.
2. THIS PROJECT REPLACES AN EXISTING OLDER LIFT STATION CONSTRUCTED IN 1995 AND REPLACES WITH A LARGER CAPACITY LIFT STATION WHICH INCLUDES DRY WEATHER PUMPS AND WET WEATHER PUMPS. A NEW 24−INCH WET WEATHER FORCE MAIN WILL CONVEY WET WETHER PUMPED FLOW TO THE SCOTT STREET WET WEATHER FACILITY FOR TEMPORARY OFF LINE STORAGE UNTIL THE DESIGN 5 YEAR, 6 HOUR STORM HAS PASSED AND TRUNK SEWER LEVELS SUBSIDE TO DRAIN STORED FLOW BACK INTO THE COLLECTION SYSTEM.
3. BY OTHERS INDICATES WORK ON THE NEW COLECTION SYSTEM UNDER THE AMANI ENGINEERING PROJECT WBS NO. R−01000−0036−3. THE CONTRACTOR SHALL COORDINATE THE ROUTING OF THE ON−SITE SEWER LINE TO THIS MANHOLE.
4. EXISTING 16−INCH FORCE MAIN INFORMATION OBTAINED FROM RECORD DRAWING NO. SET 31543.
5. COORDINATE MANHOLE CONNECTION WITH CITY OF HOUSTON PROJECT CRMP CIP PACKAGE 5 SANITARY SEWER IMPROVEMENTS UPSTREAM OF EDDINGTON LIFT STATION. WBS NO.: R−01000−0036.
6. EXISTING FORCE MAIN ELEVATIONS WERE OBTAINED FROM CITY OF HOUSTON GIS DATA, FIELD SURVEY, AND AVAILABLE RECORD DRAWINGS. CONTRACTOR TO FIELD VERIFY CRITICAL ELEVATIONS PRIOR TO CONSTRUCTION.
7. ALL NEW MANHOLES WITH TOPS FLUSH WITH EXISTING PAVING SHALL HAVE BOLTED AND GASKETED MANHOLE COVERS FOR PROTECTION AGAINST FLOOD ELEVATIONS AS SHOWN.
8. THE PROPOSED JUNCTION STRUCTURE WILL BE DESIGNED AND EQUIPPED WITH ACCESS HATCHES THAT INCLUDE A GASKET SYSTEM FOR PROTECTION AGAINST FLOOD ELEVATIONS AS SHOWN.
9. ALL OTHER IMPROVEMENTS FOR THE EDDINGTON LIFT STATION SITE COMPLY WITH THE CITY ORDINANCE REQUIREMENT TO BE DESIGNED HIGHER THAN 3 FEET ABOVE THE 500 − YEAR FLOOD PLAIN OR 1−FOOT ABOVE HURRICANE HARVEY WHICHEVER IS HIGHER.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F−10053

STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/13/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P−6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 − EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

HYDRAULIC PROFILE EDDINGTON LS TO DRY WEATHER FM

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P−3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R−001000−0035−4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 10 OF 403	

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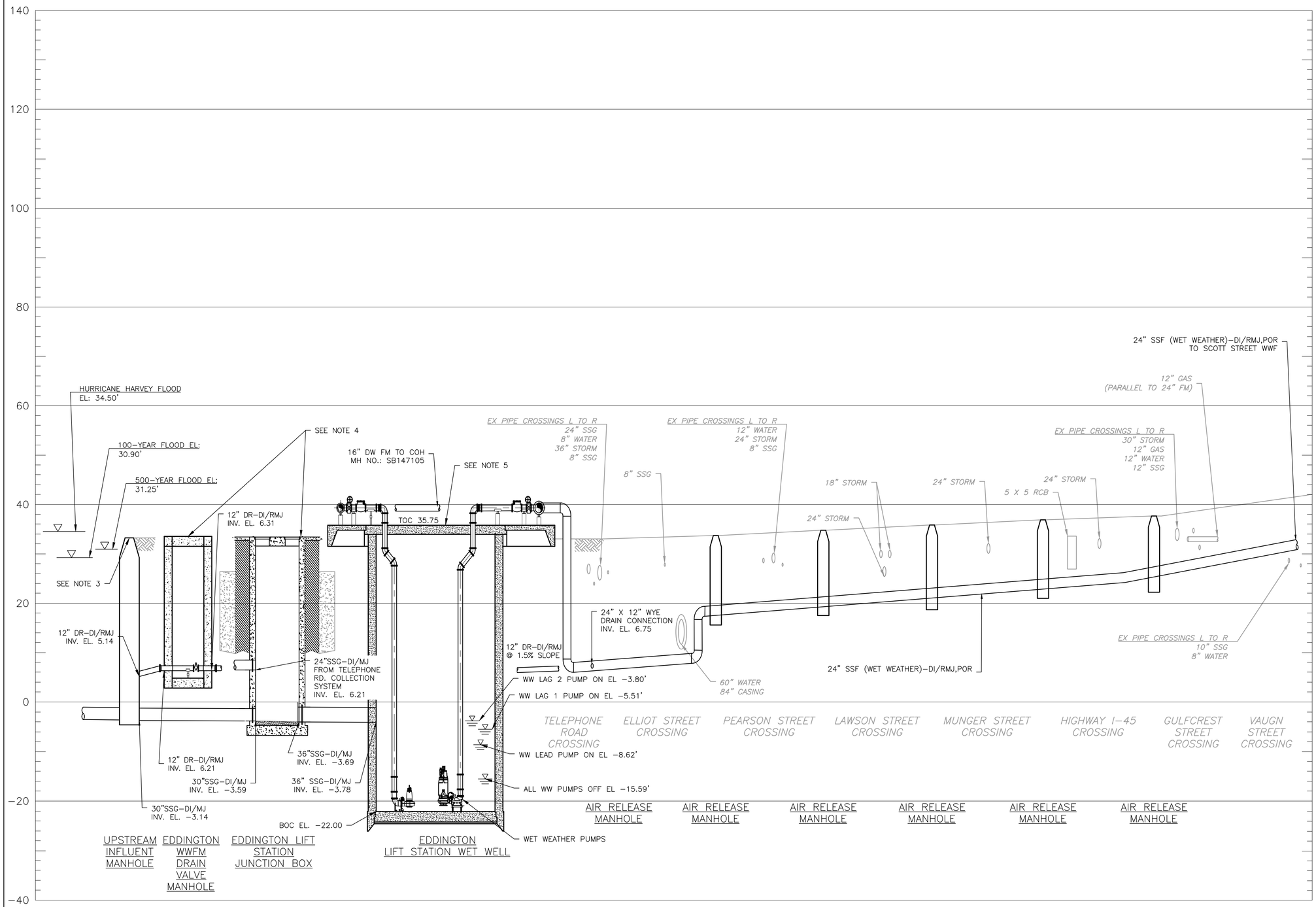

NOTES:

1. THE PROJECT LIES ON FEMA FIRM PANEL MAP NUMBER 48201C0880M PANEL 880 OF 1150, EFFECTIVE DATE JANUARY 6, 2017. ZONE AE AND BFE 30.9' AND THE 500−YEAR FLOOD ELEVATION IS 31.25'.
2. THIS PROJECT REPLACES AN EXISTING OLDER LIFT STATION CONSTRUCTED IN 1995 AND REPLACES WITH A LARGER CAPACITY LIFT STATION WHICH INCLUDES DRY WEATHER PUMPS AND WET WEATHER PUMPS. A NEW 24−INCH WET WEATHER FORCE MAIN WILL CONVEY WET WETHER PUMPED FLOW TO THE SCOTT STREET WET WEATHER FACILITY FOR TEMPORARY OFF LINE STORAGE UNTIL THE DESIGN 5 YEAR, 6 HOUR STORM HAS PASSED AND TRUNK SEWER LEVELS SUBSIDE TO DRAIN STORED FLOW BACK INTO THE COLLECTION SYSTEM.
3. ALL NEW MANHOLES WITH TOPS FLUSH WITH EXISTING PAVING SHALL HAVE BOLTED AND GASKETED MANHOLE COVERS FOR PROTECTION AGAINST FLOOD ELEVATIONS AS SHOWN, TYP.
4. THE PROPOSED JUNCTION STRUCTURE AND FORCE MAIN DRAIN VALVE VAULT WILL BE DESIGNED AND EQUIPPED WITH ACCESS HATCHES THAT INCLUDE A GASKET SYSTEMS FOR PROTECTION AGAINST FLOOD ELEVATIONS AS SHOWN.
5. ALL OTHER IMPROVEMENTS FOR THE EDDINGTON LIFT STATION SITE COMPLY WITH THE CITY ORDINANCE REQUIREMENT TO BE DESIGNED HIGHER THAN 3 FEET ABOVE THE 500 − YEAR FLOOD PLAIN OR 1−FOOT ABOVE HURRICANE HARVEY WHICHEVER IS HIGHER.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/14/2026

DESIGNED BY:	T. REESER
DRAWN BY:	J. GIBSON
CHECKED BY:	T. REESER
REVIEWED BY:	B. NICHOLAS
APPROVED BY:	B. NICHOLAS

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P−6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 − EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

HYDRAULIC PROFILE EDDINGTON LS TO SCOTT STREET WWF

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P−4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R−001000−0035−4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 11 OF 403	

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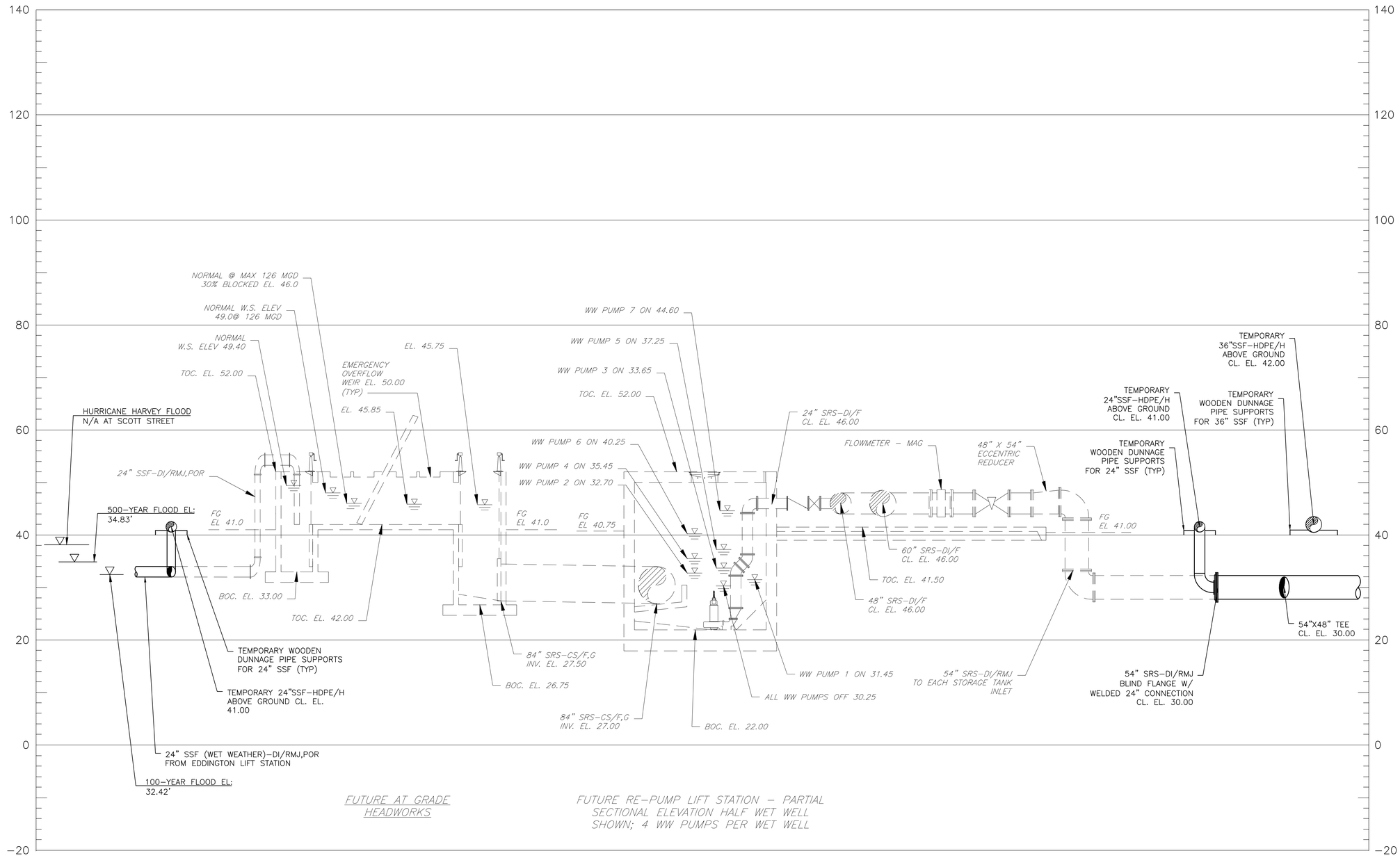

NOTES:

1. THE PROJECT LIES ON FEMA FIRM PANEL 48201C0880M, EFFECTIVE DATE JANUARY 6, 2017. ZONE AE AND BFE 32.42' AND THE 500-YEAR FLOOD ELEVATION IS 34.83'.
2. THIS PROJECT REPLACES AN EXISTING OLDER LIFT STATION CONSTRUCTED IN 1995 AND REPLACES WITH A LARGER CAPACITY LIFT STATION WHICH INCLUDES DRY WEATHER PUMPS AND WET WEATHER PUMPS. A NEW 24-INCH WET WEATHER FORCE MAIN WILL CONVEY WET WETHER PUMPED FLOW TO THE SCOTT STREET WET WEATHER FACILITY FOR TEMPORARY OFF LINE STORAGE UNTIL THE DESIGN 5 YEAR, 6 HOUR STORM HAS PASSED AND TRUNK SEWER LEVELS SUBSIDE TO DRAIN STORED FLOW BACK INTO THE COLLECTION SYSTEM.
3. ELEVATIONS SHOWN ARE BASED ON NAVD 1988 (2001 TS ADJUSTMENT). SEE SURVEY DRAWINGS FOR ADDITIONAL DETAIL.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS
TRAVIS REESER
126466
LICENSED
PROFESSIONAL ENGINEER
5/13/2026

DESIGNED BY: T. REESER	SURVEYED BY:
DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P-6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

HYDRAULIC PROFILE EDDINGTON LS TO SCOTT ST. SSO TANK SHEET 1

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P-5

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 12 OF 403	

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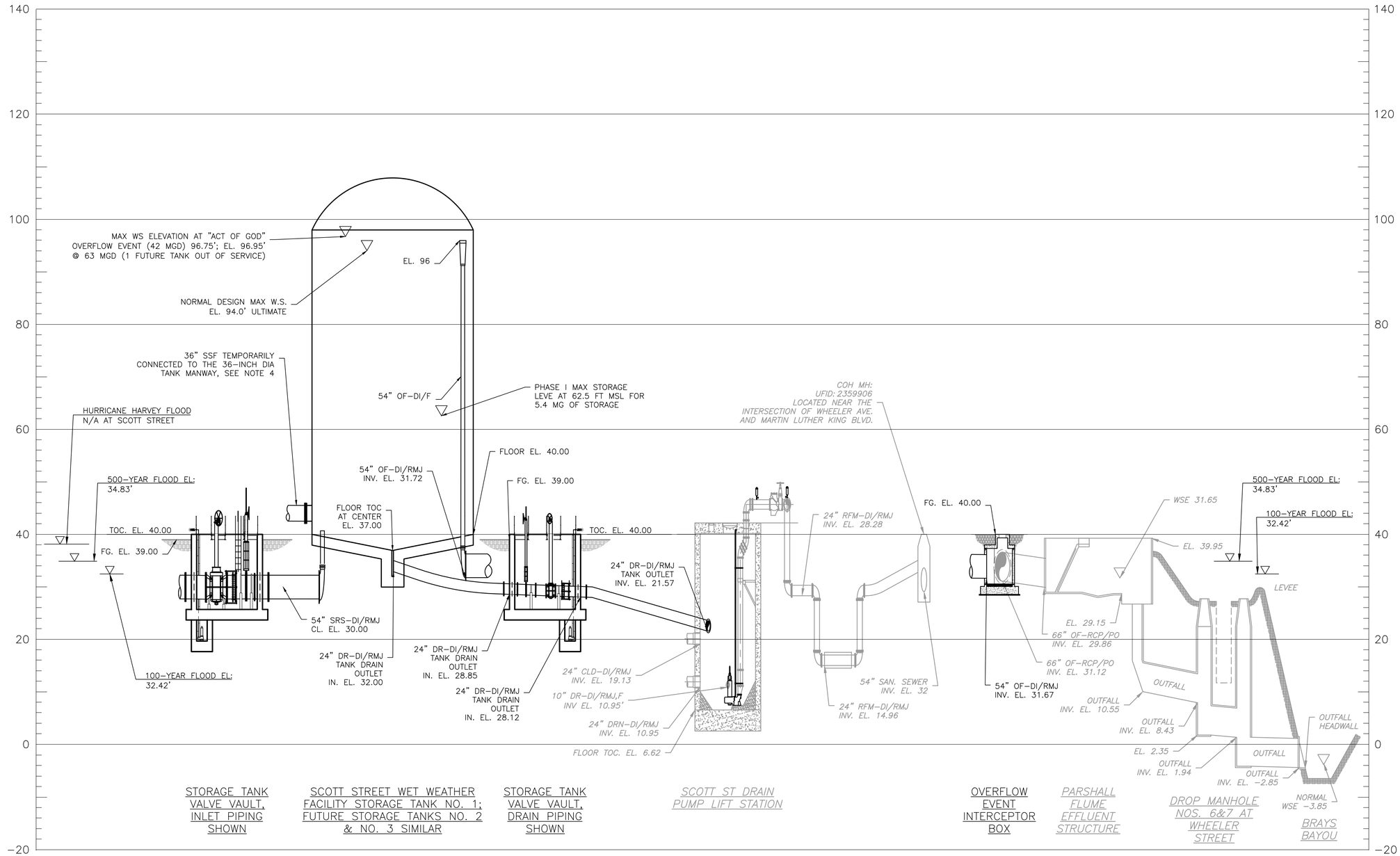

NOTES:

1. THE PROJECT LIES ON FEMA FIRM PANEL MAP NUMBER 48201C0880M PANEL 880 OF 1150, EFFECTIVE DATE JANUARY 6, 2017. ZONE AE AND BFE 32.42' AND THE 500-YEAR FLOOD ELEVATION IS 34.83'.
2. THIS PROJECT REPLACES AN EXISTING OLDER LIFT STATION CONSTRUCTED IN 1995 AND REPLACES WITH A LARGER CAPACITY LIFT STATION WHICH INCLUDES DRY WEATHER PUMPS AND WET WEATHER PUMPS. A NEW 24-INCH WET WEATHER FORCE MAIN WILL CONVEY WET WETHER PUMPED FLOW TO THE SCOTT STREET WET WEATHER FACILITY FOR TEMPORARY OFF LINE STORAGE UNTIL THE DESIGN 5 YEAR, 6 HOUR STORM HAS PASSED AND TRUNK SEWER LEVELS SUBSIDE TO DRAIN STORED FLOW BACK INTO THE COLLECTION SYSTEM.
3. IN THIS PROJECT PHASE, THE 54" SRS PIPING WILL CONVEY THE FLOW FROM THE EXISTING 48" SSF FROM THE OFF-SITE BELMONT AREA WET WEATHER LIFT STATION AND THE FLOW FROM THE PROPOSED 24" SSF FROM THE OFF-SITE EDDINGTON WET WEATHER LIFT STATION. THIS IS FACILITATED THROUGH TEMPORARY YARD PIPING CONNECTIONS AND PIPING WITHIN THE SCOTT STREET WET WEATHER FACILITY.
4. TEMPORARY 36" SSF CONNECTION FROM OFF-SITE SCOTT STREET AREA 1 WET WEATHER LIFT STATION: CONNECT TO PROPOSED 36-INCH DIA TANK MANWAY.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

STATE OF TEXAS · TRAVIS REESER · 126466 · LICENSED · PROFESSIONAL ENGINEER
5/13/2026

DESIGNED BY: T. REESER	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: J. GIBSON	FB NO. P-6416
CHECKED BY: T. REESER	
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

HYDRAULIC PROFILE EDDINGTON LS TO SCOTT ST. SSO TANK SHEET 2

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P-6

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 13 OF 403	

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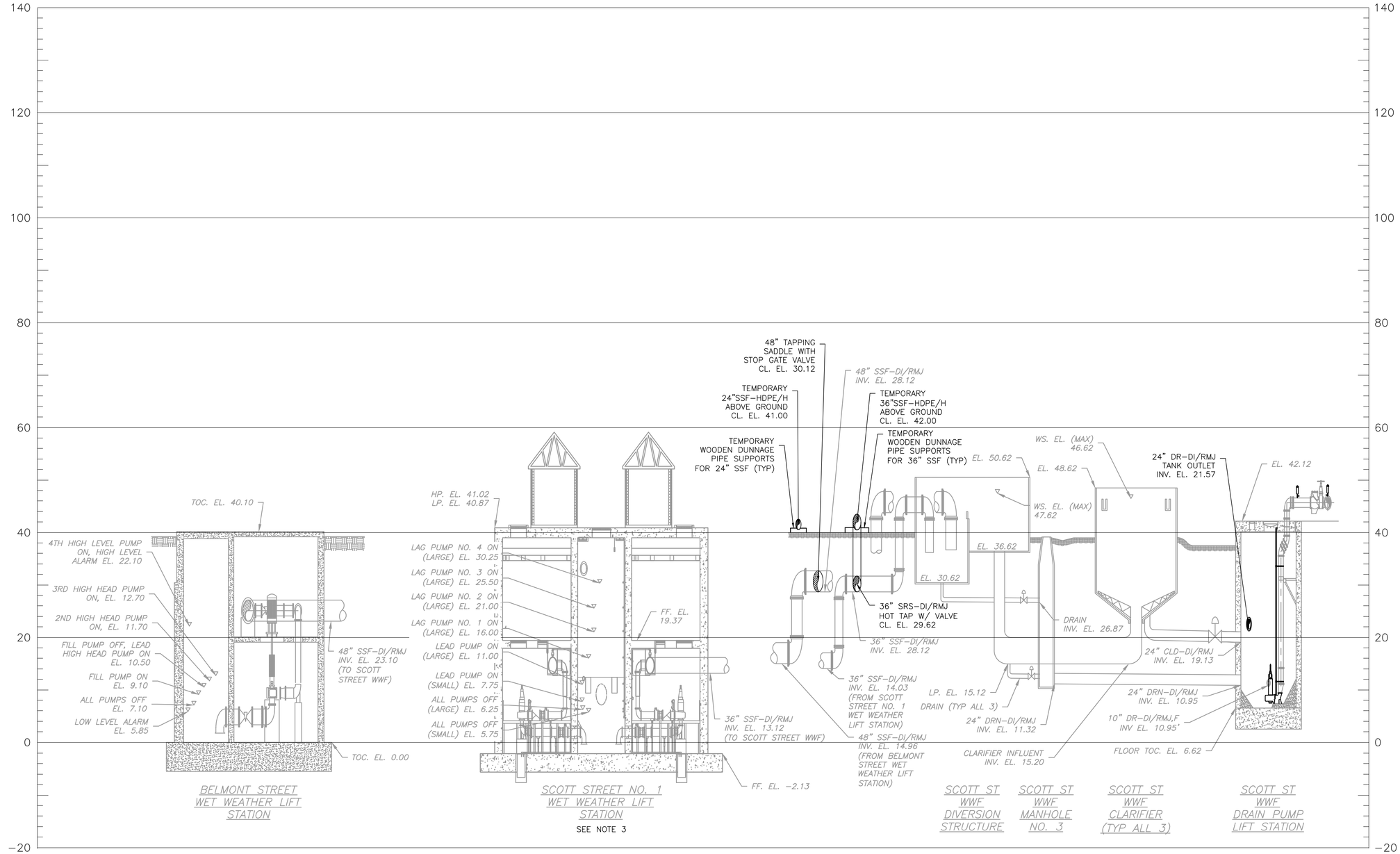

NOTES:

1. THE PURPOSE OF THIS DRAWING IS TO PROVIDE BACKGROUND INFORMATION ON THE TWO OTHER OFF−SITE WET WEATHER LIFT STATIONS; SCOTT STREET AREA 1 AND BELMONT AREA, THAT PUMP DESIGN WET WEATHER STORM EVENTS TO THE EXISTING SCOTT STREET WET WEATHER FACILITY. IN THIS PROJECT PHASE, THESE OFF−SITE WET WEATHER LIFT STATIONS WILL DIRECT PUMP TO STORAGE TANK NO. 1 IN LIEU OF PUMPING TO THE EXISTING CLARIFIERS. IN THE FUTURE PHASE II PROJECT, THESE PUMP STAIONS WILL DISCHARGE TO A NEW "AT−GRADE" HEADWORKS FACILITY THEN A RE−PUMP LIFT STATION TO FILL ALL OF THE TANKS FULL.
2. ALL ELEVATIONS REPRESENTED HAVE BEEN ADJUSTED BY A UNIFORM FACTOR TO REPRESENT VALUES ACCORDING TO NAVD 1988 (2001 TROPICAL STORM ALLISON ADJUSTMENT). THE ORIGINAL SURVEY DATUM FOR THESE PROJECTS WAS 1964.
3. SUBMERSIBLE DRY PIT PUMPS AND CONTROL LEVELS ARE BASED ON A CURRENT PROJECT UNDER WBS NO. WBS: R−000267 − 127A − 4.
4. IN THIS PROJECT PHASE, THE 54" SRS PIPING WILL CONVEY THE FLOW FROM THE EXISTING 48" SSF FROM THE OFF−SITE BELMONT AREA WET WEATHER LIFT STATION AND THE FLOW FROM THE PROPOSED 24" SSF FROM THE OFF−SITE EDDINGTON WET WEATHER LIFT STATION. THIS IS FACILITATED THROUGH TEMPORARY YARD PIPING CONNECTIONS AND PIPING WITHIN THE SCOTT STREET WET WEATHER FACILITY.
5. TEMPORARY 36" SSF CONNECTION FROM OFF−SITE SCOTT STREET AREA 1 WET WEATHER LIFT STATION: CONNECT TO PROPOSED 36−INCH DIA TANK MANWAY.

NO.	REVISION	REVISION	APP.

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Houston, Texas 77019
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TRAVIS REESER
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LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
5/14/2026

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DRAWN BY: J. GIBSON	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: T. REESER	FB NO. P−6416
REVIEWED BY: B. NICHOLAS	
APPROVED BY: B. NICHOLAS	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 − EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

HYDRAULIC PROFILE OFF−SITE EXISTING WET WEATHER LIFT STATIONS

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
P−7

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R−001000−0035−4	
DRAWING SCALE	
NONE	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 14 OF 403	

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HOUSTON PUBLIC WORKS GENERAL NOTES – INSIDE CITY LIMITS

1. UNLESS OTHERWISE NOTED AND APPROVED ON DRAWINGS, CONSTRUCT CIVIL INFRASTRUCTURE IN ACCORDANCE WITH THE EFFECTIVE EDITION OF THE HOUSTON PUBLIC WORKS STANDARD CONSTRUCTION SPECIFICATIONS, STANDARD CONSTRUCTION DETAILS, AND SUPPLEMENTS, ADDENDA AND AMENDMENTS THERETO. THE LATEST EDITION OF THE ABOVE PUBLICATIONS CAN BE FOUND AT: HTTP://WWW.HOUSTONPERMITTINGCENTER.ORG/OFFICE-CITY-ENGINEER/DESIGN-AND-CONSTRUCTION-STANDARDS.
2. THE DESIGN MUST BE CONSISTENT WITH THE EFFECTIVE EDITION OF HOUSTON PUBLIC WORKS INFRASTRUCTURE DESIGN MANUAL AND TCEQ (TEXAS COMMISSION ON ENVIRONMENTAL QUALITY) REQUIREMENTS.
3. THE GEOTECHNICAL INVESTIGATION FOR THIS PROJECT WAS CONDUCTED IN ACCORDANCE WITH CHAPTER 11 OF THE LATEST EDITION OF THE PUBLICATION INFRASTRUCTURE DESIGN MANUAL, PUBLISHED BY HOUSTON PUBLIC WORKS. SOILS REPORT WAS PREPARED BY [GEOTECHNICAL ENGINEERING FIRM] REPORT NO. [NO. OF REPORT], DATED [DATE OF REPORT].
4. UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT 713-223-4567/811 OR 800-344-8377 AND LONE STAR NOTIFICATION CENTER AT 800-669-8344 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION. UTILITIES MARKED WITHIN THE PUBLIC RIGHT OF WAY OR IN EASEMENTS SHALL COMPLY WITH TAC TITLE 16, PART 1, CHAPTER 18, RULE §18.6 AND THE AMERICAN PUBLIC WORKS ADMINISTRATION (APWA) UNIFORM COLOR CODE.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE EFFECTIVE EDITION OF HOUSTON PUBLIC WORKS, STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEM, WATER LINES, STORM DRAINAGE, STREET PAVING, AND TRAFFIC AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, STREET PAVING, AND TRAFFIC, REFERENCED ABOVE AND SUPPLEMENTS, ADDENDA AND AMENDMENTS THERETO, AT NO ADDITIONAL COST TO THE CITY OF HOUSTON.
6. CONTRACTOR SHALL NOTIFY THE OFFICE OF THE CITY ENGINEER, HOUSTON PUBLIC WORKS @ 832-394-9098 OR VIA FAX AT 832-395-4424 FOR INSPECTION AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
7. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER AND TO THE SATISFACTION OF THE OWNING AUTHORITY.
8. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
9. CONTRACTOR SHALL COMPLY WITH LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
10. CONTRACTOR SHALL MAINTAIN A SET OF REDLINE DRAWINGS AND RECORD AS-BUILT CONDITIONS DURING CONSTRUCTION. THESE AS-BUILT DRAWINGS WILL BE SUBMITTED TO THE DESIGN CONSULTANT WHO WILL MAKE THE CHANGES ON THE ORIGINAL TRACINGS, LABEL EACH SHEET IN THE SET AS "RECORD DRAWINGS", AND RETURN IT TO THE OFFICE OF THE CITY ENGINEER.

HOUSTON PUBLIC WORKS – SANITARY SEWER CONSTRUCTION NOTES

1. ALL SEWERS SHALL BE SUBJECT TO A STANDARD EXFILTRATION TEST. TESTS ARE TO BE PERFORMED ON THE TOTAL FOOTAGE OF SEWER LINE INCLUDED IN THE PROJECT. REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE, TITLE 30 CHAPTER 217, 'DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS' SHALL GOVERN WHERE CONFLICTS EXIST EXCEPT WHERE CITY REQUIREMENTS ARE MORE STRINGENT.
2. ALL MANHOLES ARE TO BE PER CITY OF HOUSTON STANDARD DETAILS DRAWING NUMBERS 02082-01, 02082-02, 02082N-02, 02082-03, AND 02082N-03 UNLESS OTHERWISE NOTED. USE THE LATEST VERSION AS APPLICABLE.
3. SANITARY SEWER MANHOLES WILL HAVE BEDDING AND BACKFILL PER CITY OF HOUSTON STANDARD DETAILS DRAWING NO. 02317-08 UNLESS OTHERWISE NOTED.
4. THE SANITARY SEWER PVC PIPE SHALL BE ASTM D 3034 TYPE PSM SDR 26 GRAVITY SEWER PIPE, ASTM D2241 SDR 26 PRESSURE RATED SEWER PIPE OR AWWA C-900 DR-18 GREEN PVC PRESSURE RATED SEWER PIPE BASED ON CONSTRUCTION CONDITION REQUIREMENT AND CONFORMING TO ASTM D1784 AND CITY OF HOUSTON STANDARD SPECIFICATION SECTION 02506 POLYVINYL CHLORIDE PIPE.
5. WHEN SS PRESSURE RATED PVC PIPE IS USED ON WATERLINE (WL) CROSSING UNDER CONDITION 1 OF COH IDM TABLE 7.3, THE SAME TYPE OF D2241 SDR 26 PVC PIPE OR C-900 GREEN DR-18 PVC GREEN PRESSURED TO BE UTILIZING IN-BETWEEN TWO SS MH'S. OR TO UTILIZE A DI TRANSITION ADAPTER FOR THE CONNECTING OF ASTM D-3034 PVC GRAVITY PIPE TO DI-OD AWWA C-900 PVC PIPE CENTERED AT WL WHEN CONNECTING TWO DIFFERENT TYPES OF PVC PIPES FOR SEWER CONSTRUCTION.
6. AWWA C-900 DR-18 PVC PIPE USES EITHER AWWA C900 DR-18 PVC FITTINGS OR DIP FITTINGS.
7. ALL SANITARY SEWER LINES UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL HAVE BEDDING PER CITY OF HOUSTON STANDARD DETAILS DRAWING NUMBERS 02317-01, 02317-02, OR 02317-03 AS APPLICABLE, WITH 1 ½ SACK CEMENT/CY STABILIZED SAND BACKFILL UP TO THE BOTTOM OF THE PAVEMENT SUBGRADE. 100 PSI PERFORMANCE RESULTS ARE STILL REQUIRED.
8. ALL NEW SANITARY SEWERS CROSSING WATER LINES WITH A CLEARANCE BETWEEN 12 INCHES AND 9 FEET SHALL HAVE A MINIMUM OF ONE 18' JOINT OF DUCTILE IRON OR (GREEN) C900 PVC PIPE MEETING ASTM SPECIFICATION D2241 CENTERED ON WATER LINE. WHEN WATER LINE IS BELOW SANITARY SEWER, PROVIDE MINIMUM 2 FOOT SEPARATION.
9. CONTRACTOR SHALL PROVIDE A MINIMUM HORIZONTAL CLEARANCE OF 9' FEET BETWEEN WATER LINES AND SANITARY SEWER MANHOLES AND LINES.
10. SANITARY SEWER MANHOLE RIMS OUTSIDE OF PROPOSED PAVING WILL BE SET 3" – 6" ABOVE THE SURROUNDING LEVEL FINISHED GRADE AFTER PAVING WITH SLOPED BACKFILL ADDED FOR STORM WATER TO DRAIN AWAY FROM MANHOLE RIM.
11. IN WET STABLE TRENCH AREAS USE BEDDING PER CITY OF HOUSTON STANDARD DETAILS DRAWING NUMBER 02317-02.
12. DEFLECTION TEST: DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE AND SEMI-RIGID SEWER PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5% IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID MANDREL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED AS PER 30 TAC 217.57 LATEST AMENDMENT AND WITHOUT MECHANICAL PULLING DEVICES. NO BALL-TYPE MANDREL IS ALLOWED.
13. INFILTRATION, EXFILTRATION OR LOW-PRESSURE AIR TEST: EITHER OF THE FOLLOWING TESTS SHALL BE PERFORMED AS PER TAC, TITLE 30 217.57 WITHIN THE SPECIFIED TOLERANCES ON ALL GRAVITY SEWERS.
    A. INFILTRATION OR EXFILTRATION TEST: TOTAL LEAKAGE AS DETERMINED BY A HYDROSTATIC HEAD TEST SHALL NOT EXCEED 50 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER 24 HOURS AT A MINIMUM TEST HEAD OF TWO (2) FEET.
    B. LOW-PRESSURE AIR TEST: PERFORM TEST ACCORDING TO UNI-B-6-90 OR OTHER APPROPRIATE PROCEDURES. FOR SECTIONS OF PIPE LESS THAN 36" (INCH) AVERAGE INSIDE DIAMETER, THE MINIMUM ALLOWABLE TIME FOR PRESSURE DROP FROM 3.5 P.S.I.G. TO 2.5 P.S.I.G. SHALL BE AS FOLLOWS:

        6" 340 SECONDS OR 0.855(L) FOR TEST LENGTHS GREATER THAN 398'
        8" 454 SECONDS OR 1.520(L) FOR TEST LENGTHS GREATER THAN 298'
        10" 567 SECONDS OR 2.374(L) FOR TEST LENGTHS GREATER THAN 239'
        12" 680 SECONDS OR 3.419(L) FOR TEST LENGTHS GREATER THAN 199'
        15" 850 SECONDS OR 5.342(L) FOR TEST LENGTHS GREATER THAN 159'
        18" 1020 SECONDS OR 7.693(L) FOR TEST LENGTHS GREATER THAN 133'

        WHERE L = LENGTH OF LINE OF SAME PIPE SIZE IN FEET.

14. "SAN. S. E." INDICATES "SANITARY SEWER EASEMENT"
15. FOR SANITARY MANHOLE (MH) RIMS SET INSIDE OF OR @ CURB & GUTTER PAVEMENT AND/OR BELOW T.C., MH RIMS WILL BE SET FLUSHED WITH AN ABUTTING PAVED SURFACE. THE (VALCUN, NEENAH OR EQUAL) HEAVY DUTY BOLTED SOLID MH COVER SHALL BE PROPERLY (AND SECURELY) ATTACHED AND SEALED TO ITS COMPATIBLE GASKETED FRAME BY USING BOTH A NEOPRENE GASKET AND (AT LEAST) 4 COUNTER-SUNK HEX-HEAD COARSE THREADED ½"-13 UNC STAINLESS STEEL BOLTS. THE HEAVY DUTY FRAME MH COVER SHALL BE SOLID (NO AIR HOLES). SAID FRAME SHALL BE BOTH EMBEDDED INTO THE MH'S TOP ALSO SECURELY ANCHORED TO THE UNDERLYING MH STRUCTURE WITH EITHER SECURELY ATTACHED EMBEDDED ANCHOR BOLTS OR THE CONCRETE MH'S EXPOSED REBARS WELDED TO THE FRAME OR OTHER EQUALLY SECURED METHODS TO PREVENT MH COVER/FRAME BLOW-OFFS/EJECTIONS.

HOUSTON PUBLIC WORKS – TRAFFIC NOTES

CONTRACTOR OR OWNER SHALL SUBMIT TRAFFIC CONTROL PLANS WITH THE MOBILITY PERMIT APPLICATION. THE PLANS SHALL BE DRAWN TO SCALE AND SEALED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.

THE GENERAL NOTES THAT SHALL BE INCLUDED ON THE TRAFFIC CONTROL PLAN CAN BE FOUND IN CHAPTER 15 (15.12 TRAFFIC CONTROL PLAN) OF THE CITY OF HOUSTON'S (CITY) INFRASTRUCTURE DESIGN MANUAL (IDM). BELOW ARE SEVERAL KEY NOTES FROM THE IDM TO BE AWARE OF:

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
2. NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00PM TO 7:00AM.
3. CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE-WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLAINT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO THE BUS STOP.
4. CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBLE.
5. CONTRACTOR SHALL SECURE ROADWAY/SIDEWALK/STREET/BICYCLE FACILITY PERMITS AS DESCRIBED IN CITY OF HOUSTON ORDINANCE, CHAPTER 40 – STREETS & SIDEWALKS, SECTION 40-361 FROM HOUSTON PERMITTING CENTER (MOBILITY PERMIT SECTION AT HTTPS://GEOHUB.HOUSTONTX.GOV) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN BUSINESS DAYS PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
6. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB SITE FOR INSPECTION AT ALL TIMES
7. ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAY, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM THE CITY OF HOUSTON.
8. ADDITIONAL OFF DUTY POLICE OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DIRECTION OF THE CITY EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.

HOUSTON PUBLIC WORKS – SWPPP NOTES

1. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.
2. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATION MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEPT BACK INTO THE EXCAVATED AREA.
3. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FORM THE EXCAVATED AREA.
4. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
5. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
    - DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
    - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
    - STRUCTURAL CONTROL MEASURES.
    - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
6. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.

TxDOT SPECIAL PROVISIONS

1. THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT) IS NOT A MEMBER OF 811. AT LEAST 72 HOURS BEFORE STARTING WORK, MAKE ARRANGEMENTS FOR LOCATING EXISTING TXDOT-OWNED ABOVE GROUND AND UNDERGROUND FIBER OPTIC, COMMUNICATIONS, POWER, ILLUMINATION, AND TRAFFIC SIGNAL CABLING AND CONDUIT. DO THIS BY CALLING TXDOT'S HOUSTON DISTRICT TRAFFIC SIGNAL OPERATIONS AT 713-802-5662 TO SCHEDULE MARKING OF UNDERGROUND LINES ON THE GROUND. USE CAUTION IF WORKING IN THESE AREAS TO AVOID DAMAGING OR INTERFERING WITH EXISTING FACILITIES.
2. NO DISCHARGES, SUCH AS EFFLUENT, PRODUCED GROUNDWATER, OR CHLORINATED FLUSH WATER, MAY BE DRAINED INTO STATE HIGHWAY STORM SEWER INFRASTRUCTURE, WITHOUT THE APPROVAL OF A SEPARATE AGREEMENT. CONTACT THE TXDOT HOUSTON DISTRICT PERMITS OFFICE AT (713) 805-5553, -5512, OR -5575 FOR ADDITIONAL INFORMATION. IN ADDITION, THE GRANTEE CERTIFIES THAT ITS STORM WATER RUNOFF TO THE STATE'S RIGHT-OF-WAY SHALL NOT BE CONTAMINATED BY ANY INDUSTRIAL PROCESSES OR SIGNIFICANT POLLUTANTS, AND THE STATE SHALL NOT BE HELD LIABLE FOR ANY POLLUTANTS ENTERING STATE RIGHT-OF-WAY THROUGH STORM WATER CONNECTIONS.
3. ALL EXCAVATIONS WITHIN THE RIGHT-OF-WAY SHALL BE BACKFILLED ACCORDING TO THE TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, ITEM 400, AS CURRENTLY AMENDED. ALL BACKFILL SHALL BE COMPACTED TO DENSITIES EQUAL TO THAT OF SURROUNDING SOIL. ALL SURPLUS MATERIAL SHALL BE REMOVED FROM THE RIGHT-OF-WAY, AND THE EXCAVATION FINISHED FLUSH WITH SURROUNDING NATURAL GROUND. ALL EXPOSED DIRT SURFACES SHALL BE SODDED, UNLESS OTHERWISE APPROVED BY THE TXDOT AREA ENGINEER. A SLOPE OF 4:1, OR FLATTER, SHALL BE REQUIRED ON THE DITCH FRONT SLOPE.
4. ENCASEMENT SHALL BE STEEL AND SHALL EXTEND PAST THE TOP OF BACK SLOPE OF THE OUTERMOST DITCHES, OR FIVE FEET BEYOND THE BACK OF CURB.
5. HIGHWAY CROSSINGS SHALL BE BORED OR TUNNELED. ANNULAR VOIDS BETWEEN THE BORE HOLD OR TUNNEL, AND THE CARRIER LINE OR ENCASEMENT, SHALL BE FILLED WITH A SLURRY GROUT OR FLOW-ABLE FILL, TO PREVENT SETTLEMENT OF ANY PART OF THE HIGHWAY.
6. FLUIDS USED IN CONNECTION WITH BORING OPERATIONS SHALL ONLY BE ALLOWED IN SUFFICIENT QUANTITY TO LUBRICATE BORING PITS, OR TO PROVIDE A SMOOTH FLOW OF CUTTINGS. JETTING WILL NOT BE ALLOWED.
7. ALL MANHOLE COVERS SHALL BE INSTALLED FLUSH WITH GROUND LEVEL.
8. THE CONTRACTOR OR SUB-CONTRACTOR IS REQUIRED TO CONTACT THE TXDOT MAINTENANCE SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO COMMENCING ANY WORK.

TXDOT MAINTENANCE SUPERVISORS	OFFICE PHONE
HARRIS COUNTY, WEST	(713) 934-5900
TRAFFIC SIGNAL OPERATIONS	(713) 866-7101

PRIVATE UTILITY NOTES:

AT&T TEXAS/SWBT FACILITIES:

1. THE LOCATIONS OF AT&T TEXAS/SWBT FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-344-8377 (TEXAS 811) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWBT FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWBT FACILITIES.
4. WHEN AT&T TEXAS/SWBT FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER KEVIN RAY AT (713) 614-1983 OR EMAIL HIM AT KR7896@ATT.COM, IF CABLE LOCATE REQUESTS ARE NOT COMPLETED FOR OUR AT&T TEXAS/SWBT FACILITIES.

CENTERPOINT ENERGY NOTES:

CAUTION: UNDERGROUND GAS FACILITIES

THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 207-5463 OR (713) 945-8038 (7:00 AM TO 4:30 PM) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-2111 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL LINES:

OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

- ANY ACTIVITY WHERE PERSONS OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222.

ACTIVITIES ON/OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY

1. NO APPROVAL TO USE, CROSS, OR OCCUPY NO CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING AND RIGHT OF WAY DIVISION AT (713) 207-6348 OR (713) 207-5769.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: J. GOTTLIEB	FB NO. P-6416
CHECKED BY: E. RULLMAN	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

GENERAL NOTES

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
GF-1

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
SCALE: N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 15 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:19 PM
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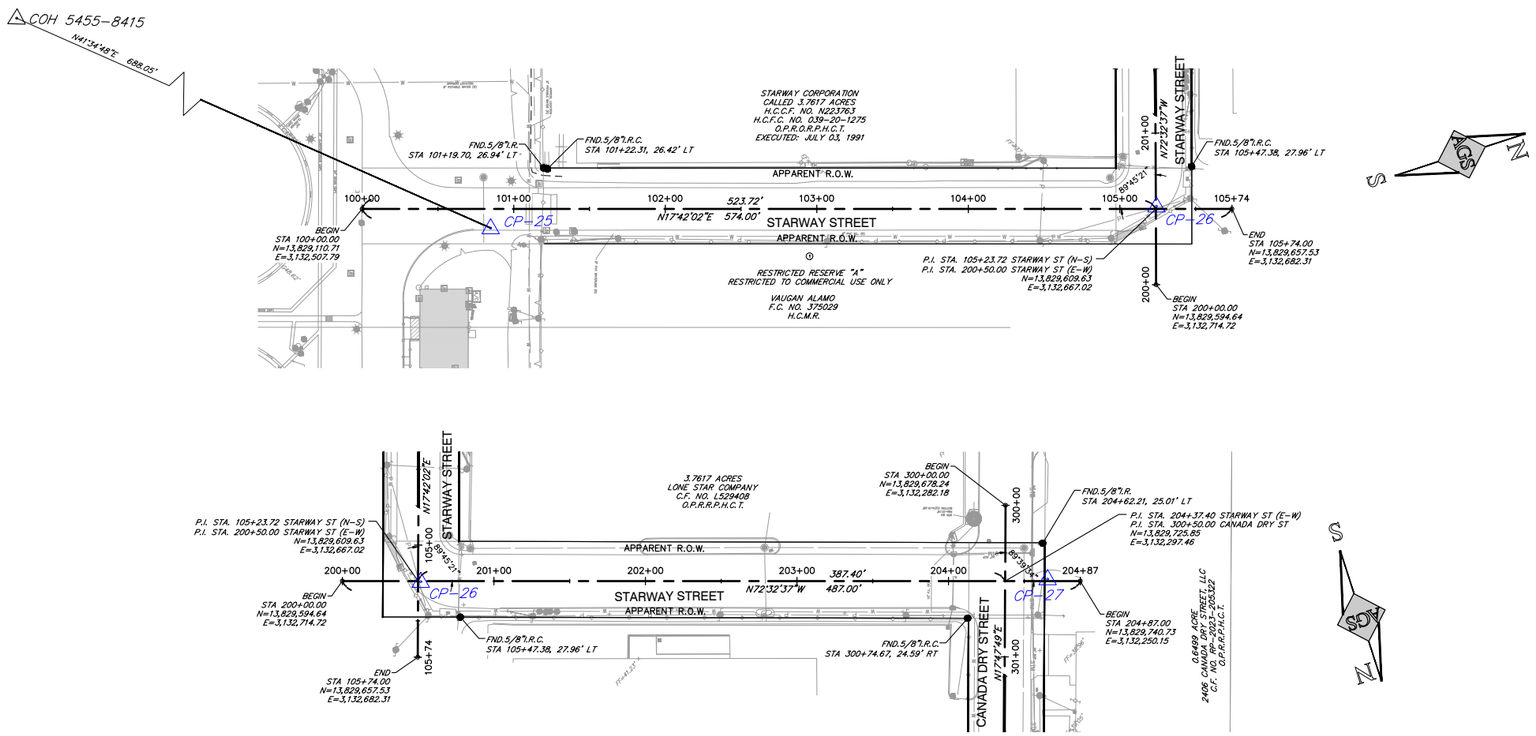
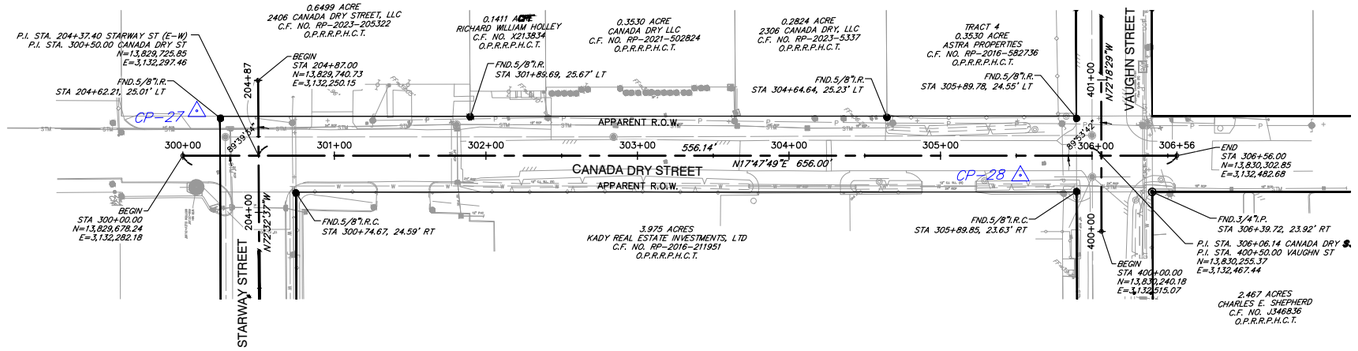
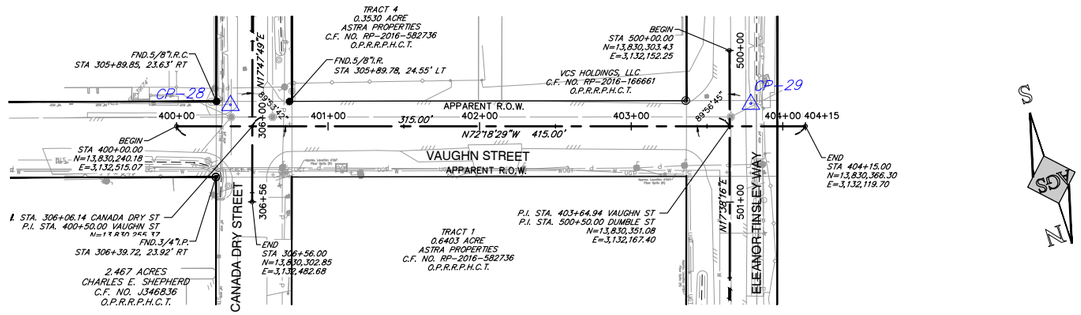






SCALE: 1" = 50'(22"X34")
SCALE: 1" = 100'(11"X17")

SYMBOL LEGEND	
●	FND IRON ROD
⊙	FND IRON PIPE
○	SET IRON ROD
⊗	X CUT

BENCHMARKS:

ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.

C.O.H MONUMENT 5455-8415:
LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR.
ELEVATION=37.40'

C.O.H MONUMENT 5456-8305:
LOCATED AT SOUTHWEST CORNER OF IH-45 NW-FRONTAGE RD.
ELEVATION=34.58'

C.O.H MONUMENT 5456-8411:
LOCATED AT SOUTHWEST CORNER OF LEELAND ST. AND EASTWOOD ST.
ELEVATION=33.81'

C.O.H MONUMENT 5556-7109:
LOCATED AT NORTHEAST CORNER OF LEELAND ST. AND GUSTAV ST.
ELEVATION=34.16'

GENERAL NOTES:

1. ALL BEARINGS AND COORDINATES SHOWN HEREON THIS MAP ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, TEXAS SOUTH CENTRAL ZONE (4204), NAD 83 (2011 ADJ.); (EPOCH 2010.00). ALL SURFACE DISTANCES AND SURFACE COORDINATES MAY BE CONVERTED TO GRID BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.999889376. (SURFACE X 0.999889376 = GRID).
2. ELEVATIONS SHOWN HEREON THIS MAP ARE BASED ON AVERAGE OF GPS OBSERVATIONS TAKEN ON C.O.H. SURVEY MONUMENT SHOWN HEREON USING ALLTERRA RTKNET. VERTICAL DATUM IS REFERENCED TO NAVD 88, 2011 ADJ. (GEOID18)
3. ALL COORDINATE VALUES AND BEARING SHOWN HERE ON THIS MAP ARE BASED ON VRS GPS OBSERVATIONS USING THE ALLTERRA CENTRAL RTKNET TRIMBLE VRS NETWORK.
4. ALL SURVEY MEASUREMENTS ARE US SURVEY FEET.

AGS ENGINEERING&CONSTRUCTION
Ally General Solutions, LLC
dba AGS Engineering & Construction
5300 Hollister Rd. Ste. 111
Houston, Texas 77040
Phone: (281) 888-7682
TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

90% SUBMITTAL

PRELIMINARY
Document Incomplete: not intended for permit, bidding or construction.

SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4867
Date: 05/07/2026

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP (1 OF 7)

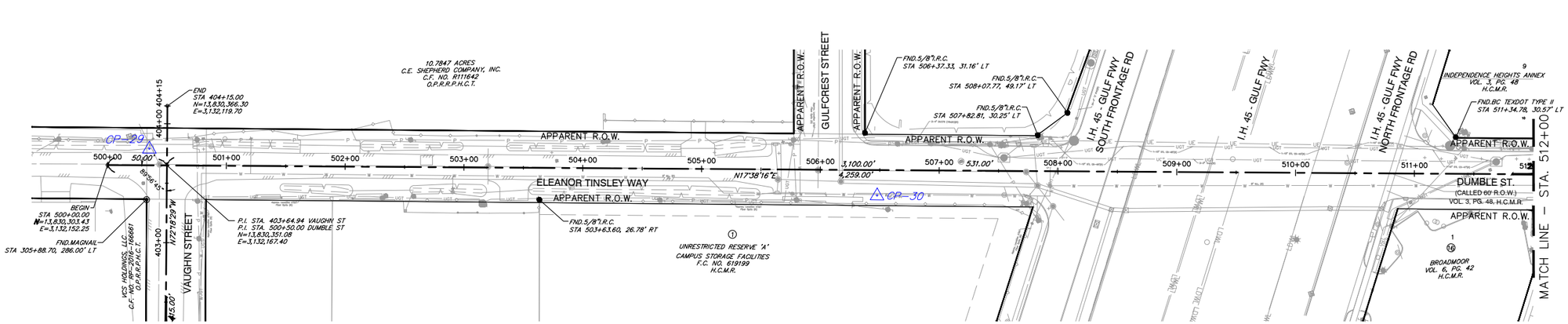
WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

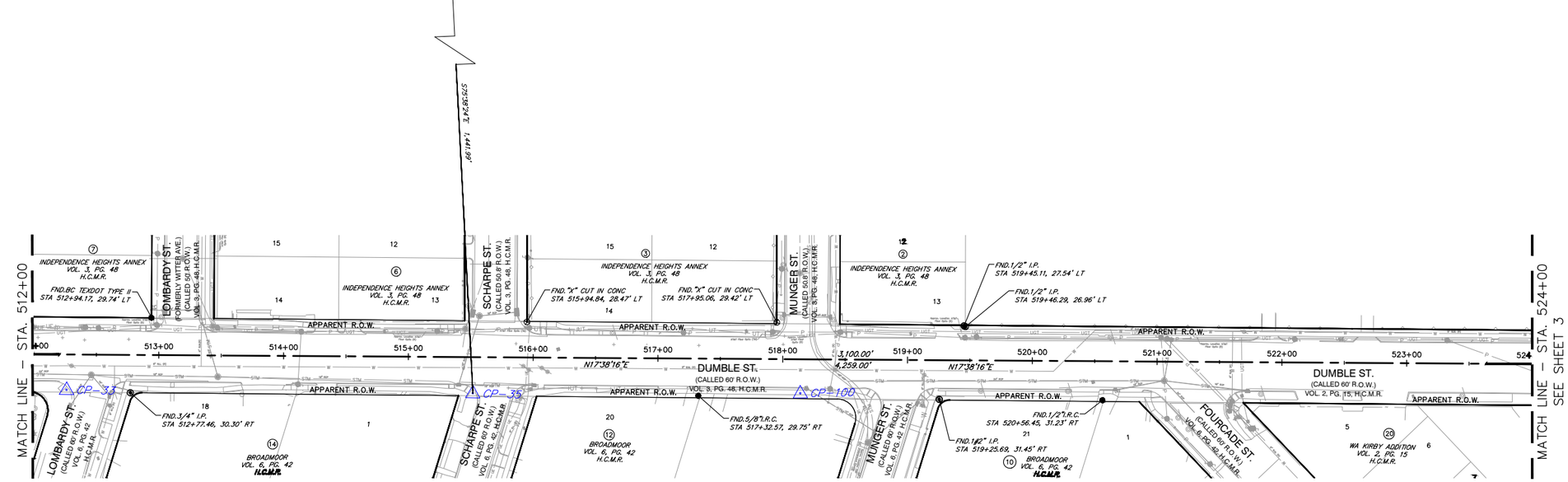
DWG NO
C-1

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 16 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:05 AM

FILE PATH: T:\0060-014-24 COH Eddington LS - Ardurra\02_0060-014-24 COH Eddington LS - Ardurra_SCM.dwg





N
S

0 25 50 75 100

SCALE: 1" = 50'(22"X34")
SCALE: 1" = 100'(11"X17")

SYMBOL LEGEND	
●	FND IRON ROD
⊙	FND IRON PIPE
○	SET IRON ROD
⊗	X CUT

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-2

AGS ENGINEERING & CONSTRUCTION
Ally General Solutions, LLC
dba AGS Engineering & Construction
5300 Hollister Rd. Ste. 111
Houston, Texas 77040
Phone: (281) 888-7682
TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

90% SUBMITTAL

PRELIMINARY
Document Incomplete; not intended for permit, bidding or construction.
SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4667
Date: 05/07/2026

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP (2 OF 7)

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 17 OF 403	

FOR CITY OF HOUSTON USE ONLY

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:06 AM

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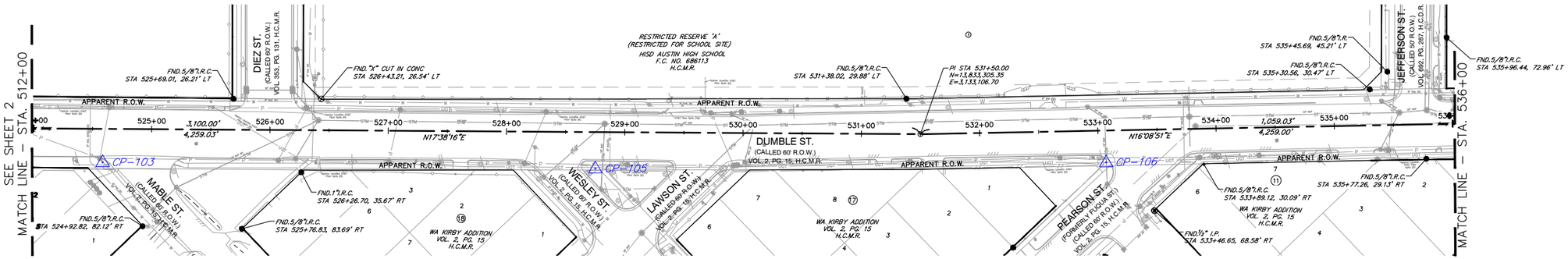

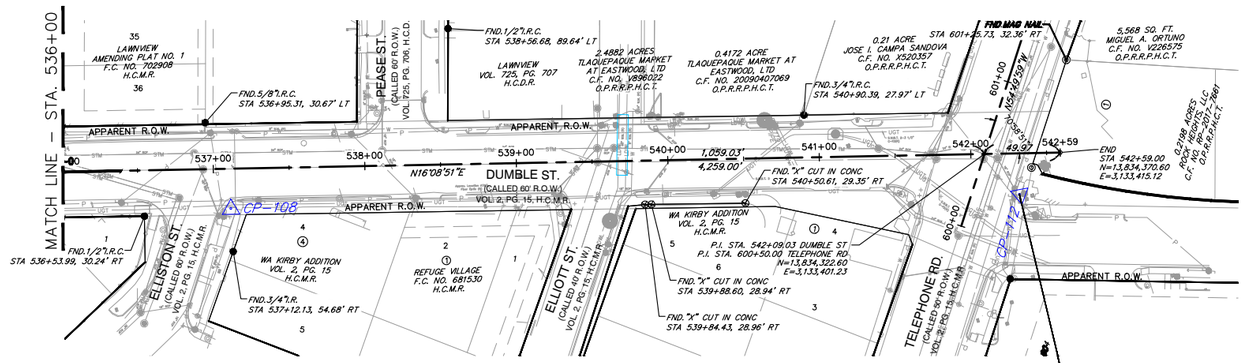

SYMBOL LEGEND	
●	FND IRON ROD
⊙	FND IRON PIPE
○	SET IRON ROD
⊗	X CUT

CONTROL POINTS										
NO.	NORTHING (Surface)	EASTING (Surface)	NORTHING (Grid)	EASTING (Grid)	ELEVATION	STATION	OFFSET LT	OFFSET RT	DESCRIPTION	BASELINE
CP-25	13,829,187.60	3,132,545.65	13,827,657.76	3,132,199.11	39.26'	100+84.76		12.69'	SET "X" IN CONCRETE	STARWAY STREET
CP-26	13,829,610.57	3,132,665.54	13,828,080.68	3,132,318.99	37.37'	105+24.16	1.70'		SET 5/8" I.R.C. "ALLY"	STARWAY STREET
CP-27	13,829,733.02	3,132,270.36	13,828,203.12	3,131,923.86	37.44'	204+65.40	1.29'		SET 5/8" I.R.C. "ALLY"	STARWAY STREET
CP-28	13,830,237.47	3,132,476.94	13,828,707.51	3,132,130.41	36.35'	305+92.00		14.52'	SET 5/8" I.R.C. "ALLY"	CANADA DRY STREET
CP-29	13,830,341.10	3,132,149.48	13,828,811.13	3,131,802.99	36.84'	403+78.16	14.96'		SET 5/8" I.R.C. "ALLY"	VAUGHN STREET
CP-30	13,830,914.41	3,132,368.86	13,829,384.38	3,132,022.35	35.16'	506+47.89		21.31'	SET 5/8" I.R.C. "ALLY"	ELEANOR TINSLEYWAY
CP-33	13,831,463.52	3,132,550.69	13,829,933.43	3,132,204.15	33.27'	512+26.28		28.20'	SET "X" IN CONCRETE	DUMBLE STREET
CP-35	13,831,773.61	3,132,649.89	13,830,243.48	3,132,303.34	35.36'	515+51.85		28.79'	SET 5/8" I.R.C. "ALLY"	DUMBLE STREET
CP-100	13,832,024.18	3,132,727.86	13,830,494.02	3,132,381.31	34.96'	518+14.26		27.17'	SET "X" IN CONCRETE	DUMBLE STREET
CP-103	13,832,638.00	3,132,924.09	13,831,107.78	3,132,577.51	35.49'	524+58.69		28.18'	SET 5/8" I.R.C. "ALLY"	DUMBLE STREET
CP-105	13,833,034.26	3,133,052.84	13,831,504.00	3,132,706.25	34.91'	528+75.33		30.82'	SET "X" IN CONCRETE	DUMBLE STREET
CP-106	13,833,448.27	3,133,176.10	13,831,917.96	3,132,829.50	35.14'	533+06.58		26.92'	SET "X" IN CONCRETE	DUMBLE STREET
CP-108	13,833,837.07	3,133,288.00	13,832,306.71	3,132,941.38	34.89'	537+11.16		26.27'	SET 5/8" I.R.C. "ALLY"	DUMBLE STREET
CP-112	13,834,336.76	3,133,433.50	13,832,806.35	3,133,086.87	33.75'	542+31.60		27.06'	SET "X" IN CONCRETE	DUMBLE STREET
CP-114	13,834,555.07	3,133,132.69	13,833,024.64	3,132,786.09	33.97'	604+03.42	35.37'		SET 5/8" I.R.C. "ALLY"	TELEPHONE ROAD
CP-300	13,834,647.95	3,133,105.11	13,833,117.51	3,132,758.51	33.38'	701+47.56		3.94'	SET "X" IN CONCRETE	N/A

AGS ENGINEERING & CONSTRUCTION
Ally General Solutions, LLC
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Houston, Texas 77040
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TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

90% SUBMITTAL

PRELIMINARY
Document Incomplete; not intended for permit, bidding or construction.

SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4667
Date: 05/07/2026

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP (3 OF 7)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 18 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:06 AM
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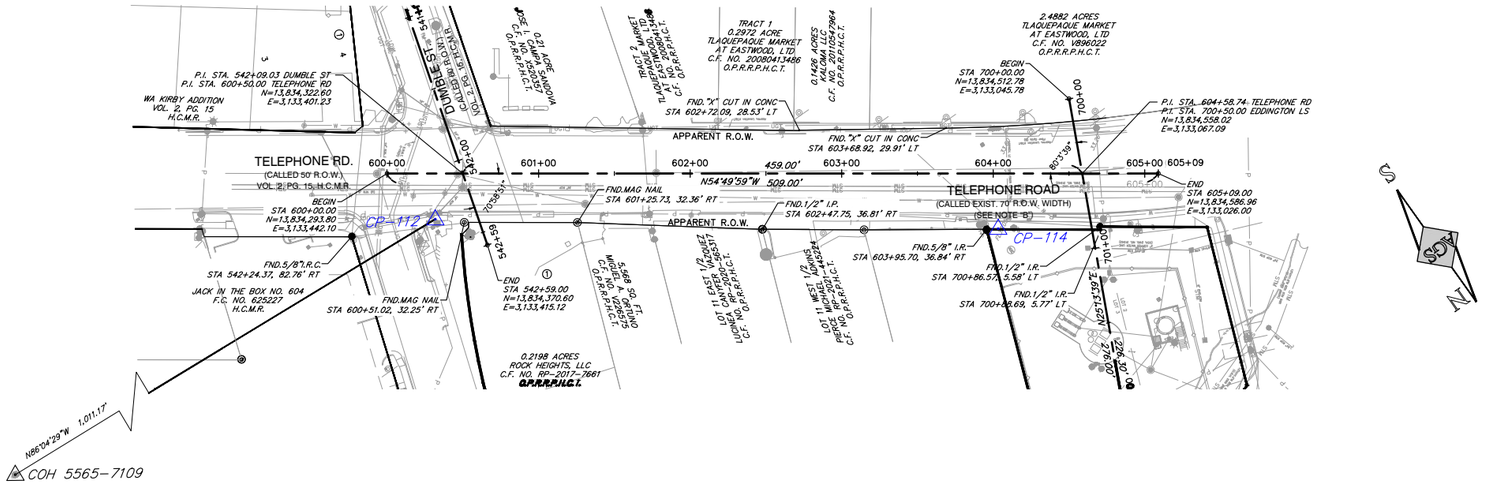
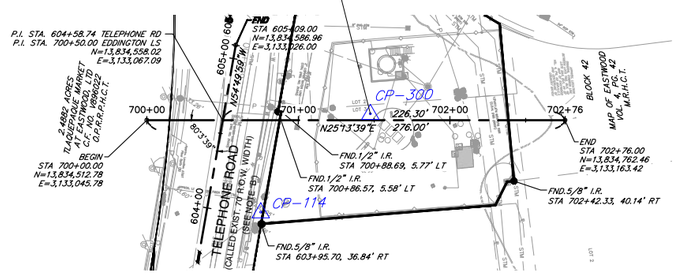


0 25 50 75 100

SCALE: 1" = 50'(22"X34")
SCALE: 1" = 100'(11"X17")

SYMBOL LEGEND	
●	FND IRON ROD
◉	FND IRON PIPE
○	SET IRON ROD
⊗	X CUT



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Houston, Texas 77019
TBPE Firm Registration No. F-10053

90% SUBMITTAL

PRELIMINARY
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SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4867
Date: 05/07/2026

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-8416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP
(4 OF 7)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-4

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 19 OF 403	

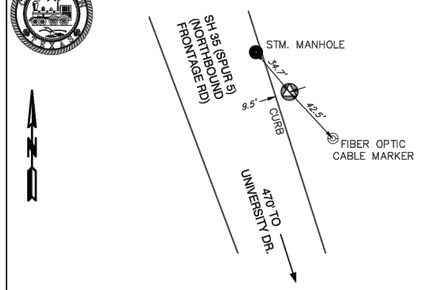
FOR CITY OF HOUSTON USE ONLY

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:06 AM
FILE PATH: T:\0060-014-24 COH Eddington LS - Ardurra\02_0060-014-24 COH Eddington LS - Ardurra_SCM.dwg

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:07 AM

CITY OF HOUSTON

CITY SURVEY 5455-8415
SITE CONTROL MONUMENT



Project WBS# R-001000-0035-3
Texas Coordinate System of 1983,
South Central Zone, U. S. Survey Feet
X= 3,131,742.53 (GRID)
Y= 13,827,143.13 (GRID)

Lat.= 29° 43' 07.81352" N
Lon.= 95° 20' 04.47977" W

Reference Frame Used: NAD 83 (2011)(EPOCH2010,00)
Datum Source & Adjustment: NAD 83 (2011 ADJ.)

Keymap Page: 534-A
Orthometric Elevation = 37.40'
Ellipsoid Height= -52.12'
Geoid: GEOID 18
Vertical Adjustment used:
NAVD 88 (2001 ADJ)
ELEV. BASED OF DIGITAL LEVELS

Date Surveyed: 04/21/2025

General Location: LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR.

Date Set: 04/07/2025 Type of Mark: ALUMINUM DISC STAMPED SURVEY MARKER

3 Nearest project control points (bearings and distances stated below):
S 15° 57' 50" E – 445.95' CP17 – 5/8 INCH I.R.C.
S 10° 39' 27" E – 42.61' CP18 – 5/8 INCH I.R.C.
N 19° 13' 17" W – 255.88' CP19 – 5/8 INCH I.R.C.

NOTE:
1. Bearings are grid bearings.
2. Scale Factor = (S.F. 0.999889376)
3. Surface= Grid / S.F.

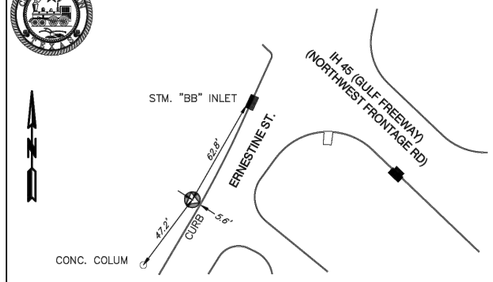
Surveyed By: ALLY GENERAL SOLUTION, LLC
5300 HOLLISTER RD. STE. 111
HOUSTON, TX, 77040

STATE OF TEXAS · DANIEL PAUL COYER · 4867 · REGISTERED PROFESSIONAL LAND SURVEYOR · 06/10/2025

City of Houston, Harris County, Texas

CITY OF HOUSTON

CITY SURVEY 5456-8305
SITE CONTROL MONUMENT



Project WBS# S-000700-0080-3
Texas Coordinate System of 1983,
South Central Zone, U. S. Survey Feet
X= 3,130,906.56 (GRID)
Y= 13,830,601.07 (GRID)

Lat.= 29° 43' 42.29006" N
Lon.= 95° 20' 12.72835" W

Reference Frame Used: NAD 83 (2011)(EPOCH2010,00)
Datum Source & Adjustment: NAD 83 (2011 ADJ.)

Keymap Page: 494-W
Orthometric Elevation = 34.58'
Ellipsoid Height= -54.97'
Geoid: GEOID 18
Vertical Adjustment used:
NAVD 88 (2001 ADJ)
ELEV. IS BASED ON AVERAGE OF GPS OBSERVATIONS USING ALLTERRA RTKNET

Date Surveyed: 02/27/2025

General Location: LOCATED AT SOUTHWEST CORNER OF IH-45 NW-FRONTAGE RD. AND ERNESTINE ST.

Date Set: 02/14/2014 Type of Mark: 4A

3 Nearest project control points (bearings and distances stated below):
S 78° 03' 23" E – 804.32' CP37 – X CUT IN CONC.
S 78° 55' 19" E – 695.57' CP38 – 5/8 INCH I.R.C.
N 82° 07' 48" E – 749.74' CP39 – 5/8 INCH I.R.C.

NOTE:
1. Bearings are grid bearings.
2. Scale Factor = (S.F. 0.999889376)
3. Surface= Grid / S.F.

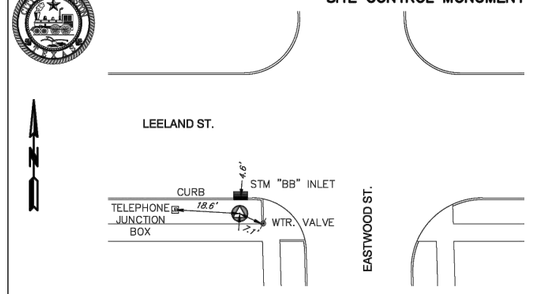
Surveyed By: ALLY GENERAL SOLUTION, LLC
5300 HOLLISTER RD. STE. 111
HOUSTON, TX, 77040

STATE OF TEXAS · DANIEL PAUL COYER · 4867 · REGISTERED PROFESSIONAL LAND SURVEYOR · 06/10/2025

City of Houston, Harris County, Texas

CITY OF HOUSTON

CITY SURVEY 5456-8411
SITE CONTROL MONUMENT



Project WBS# R-001000-0035-3
Texas Coordinate System of 1983,
South Central Zone, U. S. Survey Feet
X= 3,131,089.32 (GRID)
Y= 13,833,452.30 (GRID)

Lat.= 29° 44' 10.44700" N
Lon.= 95° 20' 09.64325" W

Reference Frame Used: NAD 83 (2011)(EPOCH2010,00)
Datum Source & Adjustment: NAD 83 (2011 ADJ.)

Keymap Page: 494-W
Orthometric Elevation = 33.81'
Ellipsoid Height= -55.75'
Geoid: GEOID 18
Vertical Adjustment used:
NAVD 88 (2001 ADJ)
ELEV. BASED OF DIGITAL LEVELS

Date Surveyed: 04/21/2025

General Location: LOCATED AT SOUTHWEST CORNER OF LEELAND ST. AND EASTWOOD ST.

Date Set: 04/07/2025 Type of Mark: ALUMINUM DISC STAMPED SURVEY MARKER

3 Nearest project control points (bearings and distances stated below):
S 55° 04' 20" E – 1,443.97' CP45 – 5/8 INCH I.R.C.
S 70° 24' 57" E – 1,380.19' CP46 – 5/8 INCH I.R.C.
S 77° 33' 01" E – 1,346.84' CP47 – X CUT IN CONC.

NOTE:
1. Bearings are grid bearings.
2. Scale Factor = (S.F. 0.999889376)
3. Surface= Grid / S.F.

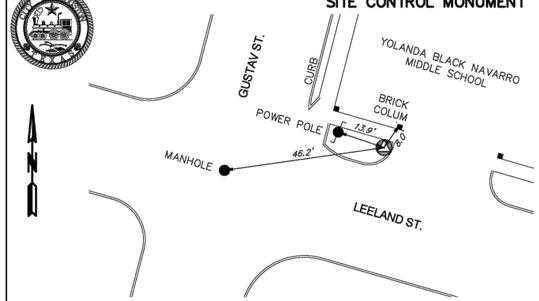
Surveyed By: ALLY GENERAL SOLUTION, LLC
5300 HOLLISTER RD. STE. 111
HOUSTON, TX, 77040

STATE OF TEXAS · DANIEL PAUL COYER · 4867 · REGISTERED PROFESSIONAL LAND SURVEYOR · 06/10/2025

City of Houston, Harris County, Texas

CITY OF HOUSTON

CITY SURVEY 5565-7109
SITE CONTROL MONUMENT



Project WBS# R-001000-0035-3
Texas Coordinate System of 1983,
South Central Zone, U. S. Survey Feet
X= 3,134,095.45 (GRID)
Y= 13,832,737.20 (GRID)

Lat.= 29° 44' 02.43742" N
Lon.= 95° 19' 35.81390" W

Reference Frame Used: NAD 83 (2011)(EPOCH2010,00)
Datum Source & Adjustment: NAD 83 (2011 ADJ.)

Keymap Page: 494-X
Orthometric Elevation = 34.16'
Ellipsoid Height= -55.39'
Geoid: GEOID 18
Vertical Adjustment used:
NAVD 88 (2001 ADJ)
ELEV. BASED OF DIGITAL LEVELS

Date Surveyed: 04/21/2025

General Location: LOCATED AT NORTHEAST CORNER OF LEELAND ST. AND GUSTAV ST.

Date Set: 04/07/2025 Type of Mark: ALUMINUM DISC STAMPED SURVEY MARKER

3 Nearest project control points (bearings and distances stated below):
S 80° 25' 43" W – 1,097.42' CP110 – X CUT IN CONC.
S 89° 27' 19" W – 1,031.99' CP111 – X CUT IN CONC.
N 86° 04' 40" W – 1,010.95' CP112 – X CUT IN CONC.

NOTE:
1. Bearings are grid bearings.
2. Scale Factor = (S.F. 0.999889376)
3. Surface= Grid / S.F.

Surveyed By: ALLY GENERAL SOLUTION, LLC
5300 HOLLISTER RD. STE. 111
HOUSTON, TX, 77040

STATE OF TEXAS · DANIEL PAUL COYER · 4867 · REGISTERED PROFESSIONAL LAND SURVEYOR · 06/10/2025

City of Houston, Harris County, Texas

PROPERTY CORNERS FIELD LOCATED TABLE

POINT NO.	SURFACE NORTHING	SURFACE EASTING	GRID Y-AXIS	GRID X-AXIS	DESCRIPTION
600	13,829,235.26	3,132,519.81	13,827,705.41	3,132,173.27	IRFO^5/8 STSSURVEYING
601	13,829,232.83	3,132,518.52	13,827,703.09	3,132,171.99	IRF^5/8
602	13,829,338.67	3,132,195.53	13,827,806.81	3,131,849.03	IRF^3/4 - SCOTTWETWEATHER
603	13,828,389.29	3,132,501.55	13,826,859.54	3,132,155.02	IRF^1 - SCOTTWETWEATHER
604	13,829,962.45	3,133,053.95	13,827,532.62	3,132,707.56	IRFO^5/8 PINNELL5349 - SCOTTWETWEATHER
606	13,829,640.87	3,132,647.58	13,828,110.78	3,132,301.03	IRFO^5/8 CC17139476606
607	13,834,750.45	3,133,087.55	13,833,219.99	3,132,740.96	IRFO^5/8 - EDDINGTON LIFT STA
608	13,834,468.59	3,133,260.78	13,832,936.17	3,132,914.16	IRF^1/2
609	13,834,886.91	3,133,158.48	13,833,356.44	3,132,811.88	IRF^5/8
610	13,834,814.71	3,133,134.58	13,833,284.25	3,132,787.98	IRF^5/8
611	13,829,741.82	3,132,328.41	13,828,211.92	3,131,981.90	IRFO^5/8 ALL POINTS
612	13,829,866.70	3,132,315.71	13,828,336.79	3,131,969.20	IRF^5/8
613	13,830,128.35	3,132,400.17	13,828,598.41	3,132,053.65	IRF^5/8
614	13,830,247.30	3,132,439.07	13,828,717.35	3,132,092.54	IRF^5/8
615	13,830,280.04	3,132,500.48	13,828,750.08	3,132,153.95	IRP^3/4
616	13,830,131.00	3,132,805.38	13,828,601.06	3,132,458.82	IRFC1/2 ALL POINTS
617	13,830,232.84	3,132,484.96	13,828,702.68	3,132,138.43	IRFO^5/8 CC17139476606
618	13,830,396.40	3,132,485.43	13,828,866.42	3,132,138.91	IRFO^5/8 RMP INC. RPLS1855
619	13,830,810.75	3,132,554.00	13,829,280.75	3,132,207.47	IRFO^5/8
620	13,829,847.56	3,132,245.04	13,828,117.67	3,131,898.54	PCP CHPIN CONC
621	13,830,850.83	3,132,683.41	13,829,320.61	3,132,336.86	BO^ TXDOT TYPE II
622	13,829,709.43	3,132,286.29	13,828,179.53	3,131,919.79	IRF^5/8
623	13,830,326.19	3,132,189.80	13,828,796.22	3,131,843.31	PCP MAGNAIL
624	13,830,173.49	3,132,140.87	13,828,643.55	3,131,794.38	IRF^5/8
625	13,830,912.53	3,132,038.74	13,828,482.60	3,131,692.26	IRFO^5/8 SOUTH TEXAS
626	13,829,997.84	3,132,084.96	13,828,467.91	3,131,738.48	RS
627	13,830,841.83	3,132,287.94	13,829,111.82	3,131,941.44	IRFO^5/8 RMP INC RPLS1855
628	13,831,058.61	3,132,360.61	13,829,328.56	3,132,014.10	IRFO^5/8 WEISSERENG
629	13,831,088.12	3,132,350.14	13,829,358.07	3,132,003.63	IRFO^5/8 WEISSERENG
630	13,831,139.82	3,132,281.36	13,829,409.76	3,131,934.86	BO^ TXDOT TYPE II
631	13,831,177.41	3,131,493.00	13,829,447.35	3,131,146.58	IRF^5/8
632	13,830,920.24	3,132,315.66	13,829,190.21	3,131,969.15	IRFO^5/8 WEISSERENG
635	13,831,511.66	3,132,568.20	13,829,961.56	3,132,221.66	IRP^3/4
637	13,831,743.68	3,132,054.75	13,830,213.55	3,131,708.27	BO^ TXDOT TYPE II
638	13,831,545.76	3,132,516.04	13,830,015.68	3,132,169.51	BO^ TXDOT TYPE II
639	13,831,394.13	3,132,466.95	13,829,864.04	3,132,120.43	BO^ TXDOT TYPE II
642	13,831,831.92	3,132,608.35	13,830,301.79	3,132,261.81	PCP CHPIN CONC
645	13,831,945.54	3,132,705.57	13,830,415.39	3,132,359.01	IRFO^5/8

PROPERTY CORNERS FIELD LOCATED TABLE

POINT NO.	SURFACE NORTHING	SURFACE EASTING	GRID Y-AXIS	GRID X-AXIS	DESCRIPTION
646	13,832,129.05	3,132,785.72	13,830,598.89	3,132,419.16	IPP 1/2
647	13,832,023.02	3,132,668.12	13,830,492.87	3,132,321.57	PCP CHPIN CONC
657	13,832,236.01	3,131,993.31	13,830,705.83	3,131,646.94	BO^ TXDOT TYPE II
662	13,832,623.30	3,132,170.74	13,831,093.06	3,131,824.25	IRFO^5/8 RODS SURVEYING
663	13,832,597.48	3,132,254.89	13,831,277.24	3,131,908.38	IRFO^5/8 RODS SURVEYING
664	13,832,949.00	3,132,300.07	13,831,418.74	3,131,953.57	IRP5/8
665	13,833,000.77	3,132,332.73	13,831,470.51	3,131,986.22	IRP^5/8
666	13,833,019.79	3,132,323.00	13,831,489.52	3,131,976.49	IRP^5/8
668	13,832,759.62	3,132,905.68	13,831,229.38	3,132,559.10	IRFO^5/8 RODS SURVEYING
669	13,832,165.45	3,132,715.37	13,830,635.26	3,132,368.82	IPP 1/2
670	13,832,165.31	3,132,715.64	13,830,635.14	3,132,369.08	PCP^1X1 (IRON BAR)
671	13,832,166.39	3,132,716.28	13,830,636.22	3,132,369.73	IPP 1/2
677	13,833,698.01	3,133,173.32	13,832,167.87	3,132,826.71	IRP^5/8
678	13,834,714.89	3,133,165.38	13,833,184.44	3,132,838.77	IRP^5/8 - EDDINGTON LIFT STA
679	13,834,697.15	3,133,194.47	13,833,166.70	3,132,847.86	IRP^1/2 - EDDINGTON LIFT STA
682	13,834,665.66	3,133,234.54	13,833,135.19	3,132,887.93	IRP^1/2
683	13,834,847.05	3,133,285.38	13,833,316.58	3,132,938.76	IRP^1/2
685	13,834,771.07	3,133,523.31	13,833,240.61	3,133,176.66	IRP^1/2
691	13,834,694.12	3,133,183.46	13,833,163.67	3,132,836.85	IRP^1/2 - EDDINGTON LIFT STA
692	13,834,552.41	3,133,140.15	13,833,021.97	3,132,793.55	IRP^3/4 PINCHED
693	13,834,551.92	3,133,139.89	13,833,021.49	3,132,793.29	IRP5/8
694	13,834,551.82	3,133,139.84	13,833,021.39	3,132,793.24	IRP^5/8 - EDDINGTON LIFT STA
695	13,834,505.53	3,133,208.10	13,832,975.10	3,132,859.49	PCP MAGNAIL
696	13,834,595.47	3,133,078.36	13,833,065.03	3,132,731.77	IRP^1/2 - EDDINGTON LIFT STA
697	13,834,593.47	3,133,077.63	13,833,063.03	3,132,731.04	IRP^1/2 - EDDINGTON LIFT STA
705	13,834,569.63	3,132,968.48	13,833,039.19	3,132,621.90	PCP CHPIN CONC
706	13,834,481.83	3,133,123.29	13,832,951.40	3,132,776.69	PCP CHPIN CONC
707	13,834,427.19	3,133,203.24	13,832,896.77	3,132,856.63	PCP CHPIN CONC
708	13,834,216.42	3,133,341.36	13,832,686.02	3,132,994.74	IRP3/4
709	13,834,691.03	3,132,812.71	13,833,160.58	3,132,466.15	IRP^1/2
711	13,834,900.55	3,132,703.51	13,833,370.06	3,132,356.95	IRFO^5/8 KHA
712	13,834,778.33	3,132,730.05	13,833,247.87	3,132,383.50	IRFO^5/8 KHA
713	13,834,725.13	3,132,738.11	13,833,194.67	3,132,392.55	IRFO^5/8 KHA
721	13,832,129.06	3,132,785.70	13,830,598.90	3,132,419.14	IPP 1/2
724	13,831,906.61	3,132,988.89	13,830,376.47	3,132,640.30	IRP 1/2
725	13,831,728.07	3,133,349.68	13,830,197.95	3,133,003.06	IRFO^5/8 NOT LEGIBLE
726	13,832,253.75	3,132,805.11	13,830,723.57	3,132,458.55	IRFO^1/2 PREMIER SURVEYING
727	13,832,423.55	3,133,108.23	13,830,893.35	3,132,761.63	IRP 3/8

PROPERTY CORNERS FIELD LOCATED TABLE

POINT NO.	SURFACE NORTHING	SURFACE EASTING	GRID Y-AXIS	GRID X-AXIS	DESCRIPTION
729	13,832,295.28	3,133,072.62	13,830,765.10	3,132,728.03	IRP 1/2
730	13,832,190.47	3,133,121.64	13,830,660.29	3,132,775.04	IRP 1
737	13,832,795.85	3,132,982.13	13,831,265.61	3,132,635.54	IRP 1
740	13,832,795.35	3,133,272.37	13,831,265.11	3,132,925.75	IRP 1/2
743	13,833,196.97	3,133,364.51	13,831,666.68	3,133,017.88	IRP^3/4 PINCHED
744	13,833,116.72	3,133,337.32	13,831,586.44	3,132,990.70	IPP 3/4
745	13,833,475.17	3,133,227.26	13,831,944.86	3,132,880.65	IPP 1/2 PINCHED
748	13,833,528.68	3,133,202.10	13,831,998.38	3,132,855.50	ELD^ CORNER
749	13,833,707.66	3,133,253.50	13,832,177.32	3,132,906.89	IRFO^5/8 NOT LEGIBLE
750	13,833,754.48	3,133,160.78	13,832,224.13	3,132,814.17	IRFO^5/8 RPLS4966 B&B SURVEY
751	13,833,837.68	3,133,228.89	13,832,307.33	3,132,882.28	IRFO^5/8 RPLS4966 B&B SURVEY
752	13,833,830.10	3,133,315.56	13,832,299.74	3,132,968.94	IRP^3/4
756	13,833,781.05	3,133,275.91	13,832,250.70	3,132,929.30	IRFO^1/2 PRECISION SURVEYING
761	13,833,858.79	3,133,614.04	13,832,328.43	3,133,267.39	IPP^1
763	13,834,087.87	3,133,364.40	13,832,557.48	3,133,017.77	ELD^ CORNER
764	13,834,098.81	3,133,366.58	13,832,568.43	3,133,019.95	PCP CHPIN CONC
765	13,834,102.82	3,133,367.72	13,832,572.44	3,133,021.10	PCP CHPIN CONC
767	13,834,124.17	3,133,611.76	13,832,593.78	3,133,265.10	PCP CHPIN CONC
768	13,834,162.33	3,133,585.38	13,832,631.94	3,133,038.75	PCP CHPIN CONC
770	13,834,458.66	3,133,475.81	13,832,928.24	3,133,129.17	IRP^3/8
771	13,834,685.15	3,133,548.63	13,833,154.70	3,133,201.98	PCP CHPIN CONC
772	13,834,427.01	3,133,722.62	13,832,896.59	3,133,376.18	IRP^5/8
774	13,834,314.32	3,133,484.99	13,832,783.91	3,133,138.35	IRFO^5/8 NOT LEGIBLE
779	13,834,162.27	3,133,386.01	13,832,631.88	3,133,039.38	ELD^ CORNER
780	13,834,253.38	3,133,563.08	13,832,722.96	3,133,216.44	PCP CHPIN CONC
781	13,834,063.43	3,133,631.62	13,832,533.05	3,133,484.94	IRP^5/8
782	13,834,057.71	3,133,830.18	13,832,527.33	3,133,483.51	PCP CHPIN CONC
784	13,834,068.50	3,133,832.97	13,832,538.12	3,133,486.29	IRFO^5/8 TETRA SURVEY
785	13,834,111.74	3,133,771.85	13,832,581.36	3,133,425.18	IRFO^5/8 NOT LEGIBLE
786	13,834,392.67	3,133,357.98	13,832,862.25	3,133,011.33	PCP MAGNAIL
787	13,834,484.61	3,133,393.44	13,832,954.19	3,133,046.61	IRFO^5/8 NOT LEGIBLE
788	13,834,513.45	3,133,403.76	13,832,983.02	3,133,057.13	IRFO^5/8 TETRA SURVEY
789	13,834,349.55	3,133,418.97	13,832,819.14	3,133,072.34	PCP MAGNAIL
791	13,832,728.16	3,133,595.03	13,831,197.93	3,133,248.38	IRP 1/2
793	13,830,658.18	3,132,570.57	13,829,128.18	3,132,224.03	IRP^5/8
794	13,833,679.37	3,133,163.27	13,832,149.03	3,132,836.67	IRP^5/8 SPINNER
795	13,833,302.99	3,133,074.59	13,831,772.69	3,132,728.00	IRFO^5/8 KUO RPLS5858
796	13,832,830.43	3,132,927.84	13,831,300.18	3,132,581.27	PCP CHPIN CONC

AGS ENGINEERING & CONSTRUCTION
Ally General Solutions, LLC
dba AGS Engineering & Construction
5300 Hollister Rd. Ste. 111
Houston, Texas 77040
Phone: (281) 888-7682
TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

90% SUBMITTAL

PRELIMINARY
Document Incomplete: not intended for permit, bidding or construction.
SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4867
Date: 05/07/2026

DESIGNED BY:
DRAWN BY: A.F.
CHECKED BY: D.P.C.
REVIEWED BY: D.P.C.
APPROVED BY: D.P.C.

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP
(5 OF 7)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-5

WBS NUMBER
R-001000-0035-4

DRAWING SCALE
AS NOTED

CITY OF HOUSTON PM
NEIL BARNSDALE, P.E.

SHEET NO. 20 OF 403

FOR CITY OF HOUSTON USE ONLY

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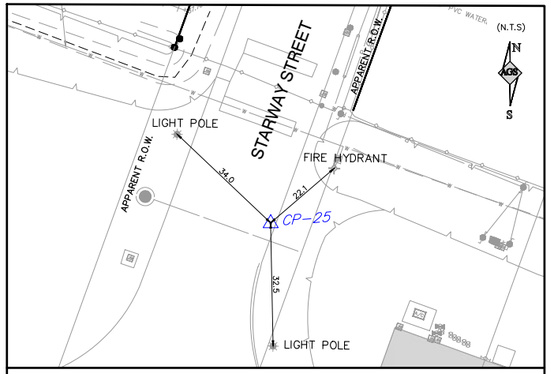

CP-25
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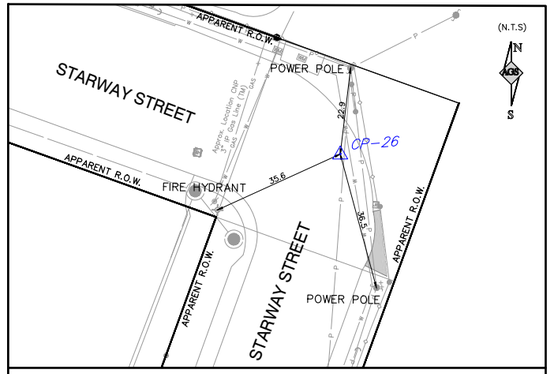

CP-26
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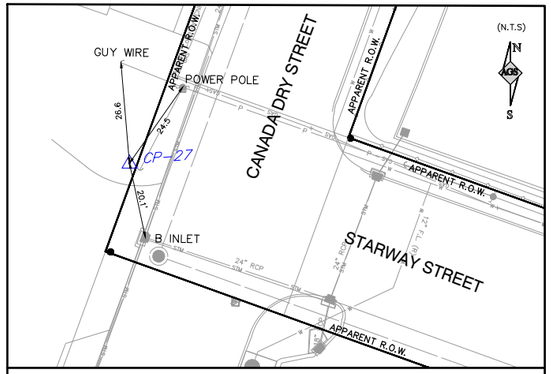

CP-27
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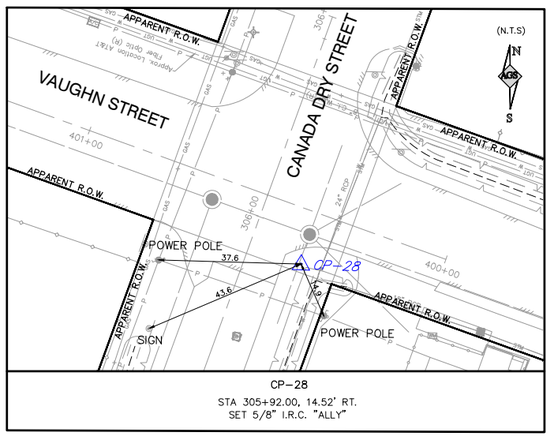

CP-28
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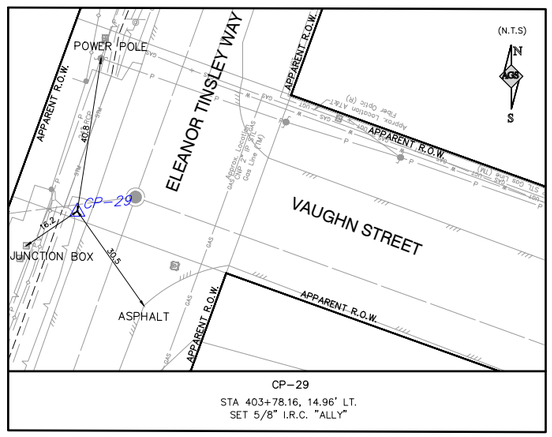
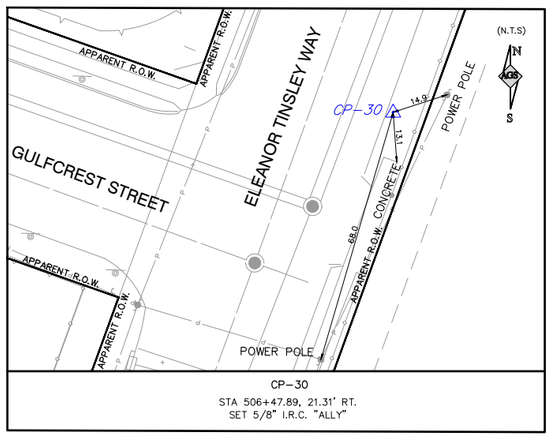
SET 5/8" I.R.C. "ALLY"



CP-29
STA 403+78.16, 14.96' LT.
SET 5/8" I.R.C. "ALLY"



CP-30
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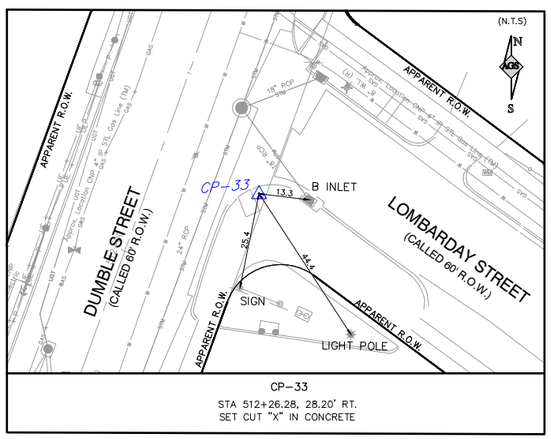

CP-33
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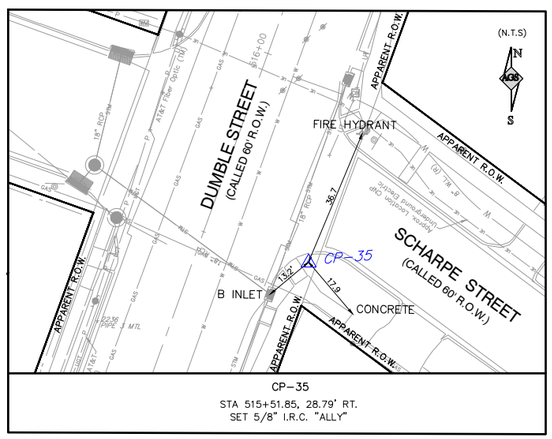

CP-35
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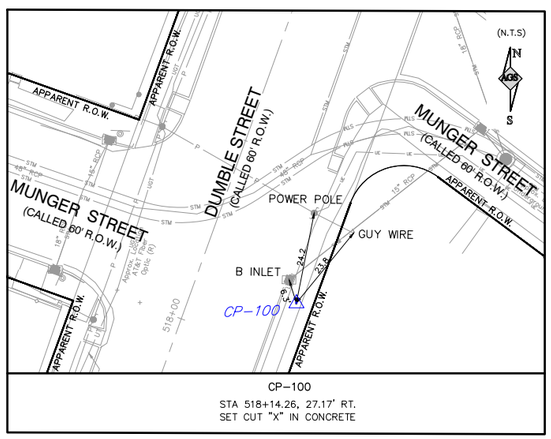
SET 5/8" I.R.C. "ALLY"



CP-100
STA 518+14.26, 27.17' RT.
SET CUT "X" IN CONCRETE

AGS ENGINEERING&CONSTRUCTION
Ally General Solutions, LLC
dba AGS Engineering & Construction
5300 Hollister Rd. Ste. 111
Houston, Texas 77040
Phone: (281) 888-7682
TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

90% SUBMITTAL

PRELIMINARY
Document Incomplete; not intended for permit, bidding or construction.

SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4867
Date: 05/07/2026

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-8416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP (6 OF 7)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-6

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 21 OF 403	

FOR CITY OF HOUSTON USE ONLY

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:07 AM
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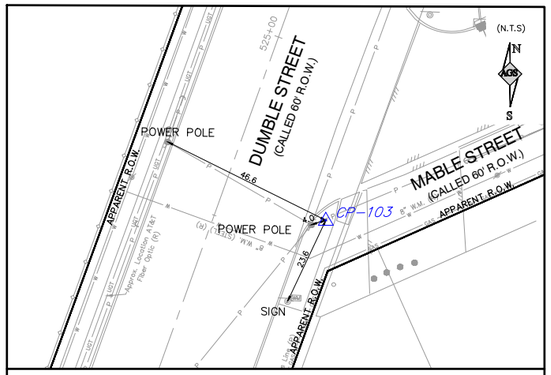
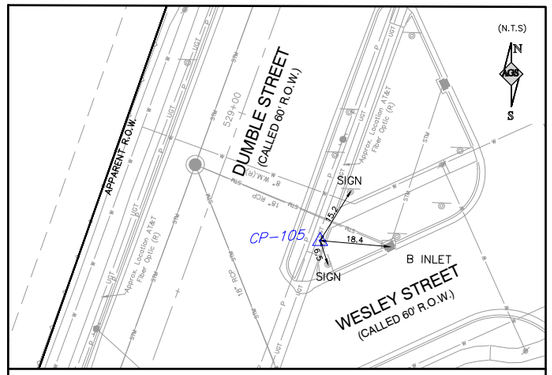


CP-103
STA 524+58.69, 28.18' RT.
SET 5/8" I.R.C. "ALLY"



CP-105
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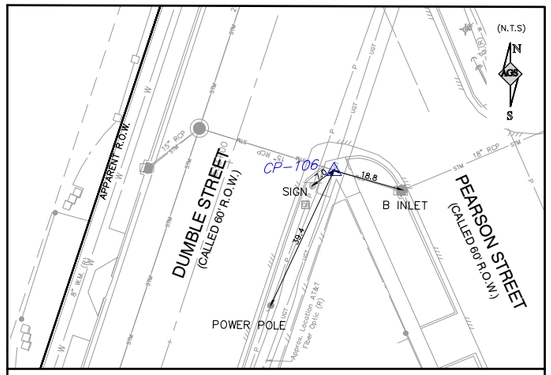

CP-106
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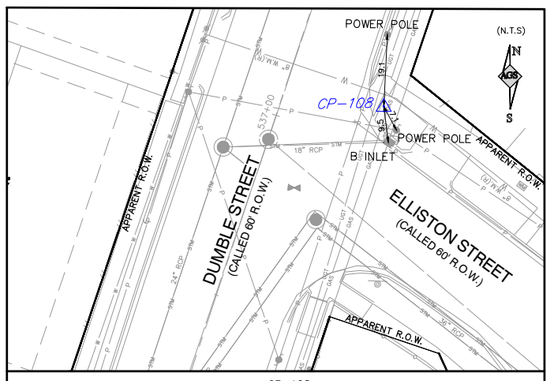

CP-108
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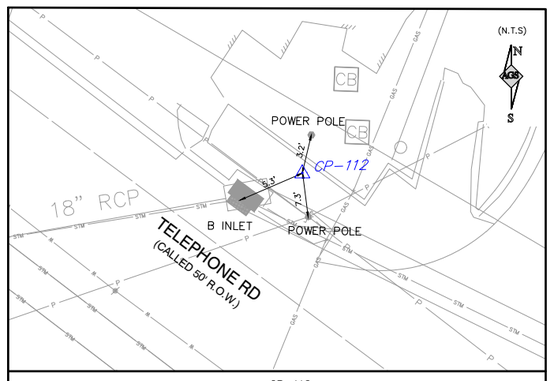

CP-112
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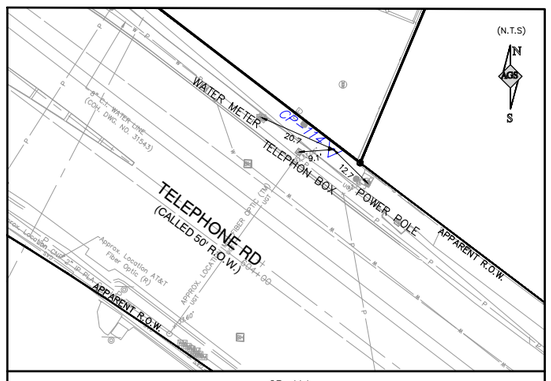

CP-114
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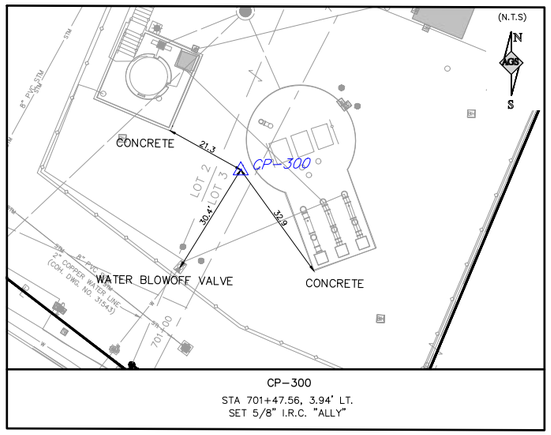

CP-300
STA 701+47.56, 3.94' LT.
SET 5/8" I.R.C. "ALLY"

FILE PATH: T:\0060-014-24 COH Eddington LS - Ardurra\02_0060-014-24 COH Eddington LS - Ardurra_SCM.dwg

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/7/2026 11:06 AM

AGS ENGINEERING&CONSTRUCTION
Ally General Solutions, LLC
dba AGS Engineering & Construction
5300 Hollister Rd. Ste. 111
Houston, Texas 77040
Phone: (281) 888-7682
TX Engineer Firm No. 13574
TBPELS Firm No. 10194392
Certified: DBE/SBE/MBE/HUB/8(A)

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

90% SUBMITTAL

PRELIMINARY
Document Incomplete: not intended for permit, bidding or construction.

SURVEYOR: DANIEL P. COYER
R.P.L.S. No. 4867
Date: 05/07/2026

DESIGNED BY:	
DRAWN BY:	A.F.
CHECKED BY:	D.P.C.
REVIEWED BY:	D.P.C.
APPROVED BY:	D.P.C.

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SURVEY CONTROL MAP (7 OF 7)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-7

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 22 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:25 PM

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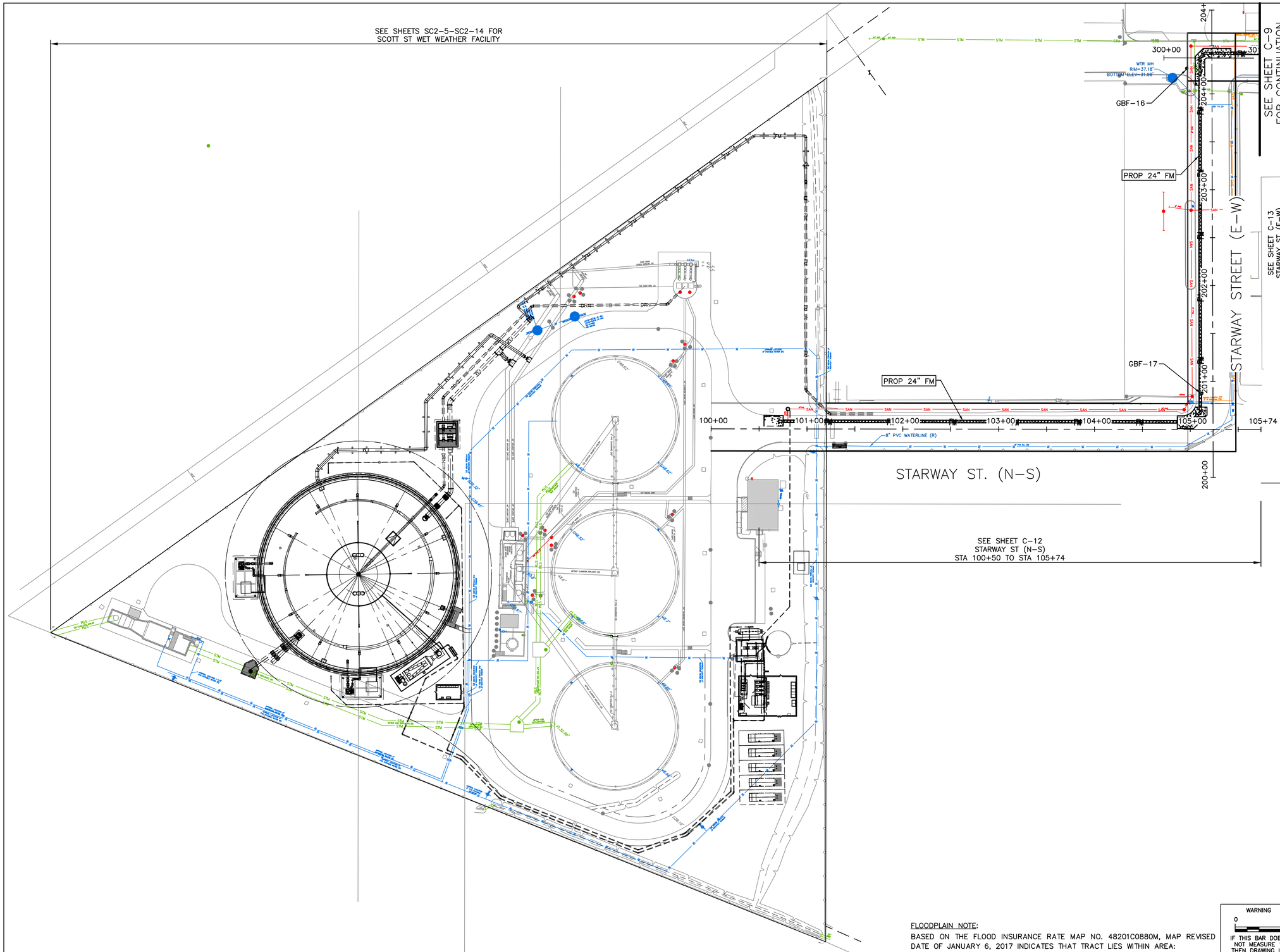

FLOODPLAIN NOTE:
BASED ON THE FLOOD INSURANCE RATE MAP NO. 48201C0880M, MAP REVISED DATE OF JANUARY 6, 2017 INDICATES THAT TRACT LIES WITHIN AREA:

ZONE "X"-(UNSHADED) AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
EDDINGTON LS
24-INCH FM LAYOUT
SHEET 1 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=50'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 23 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-8

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:26 PM

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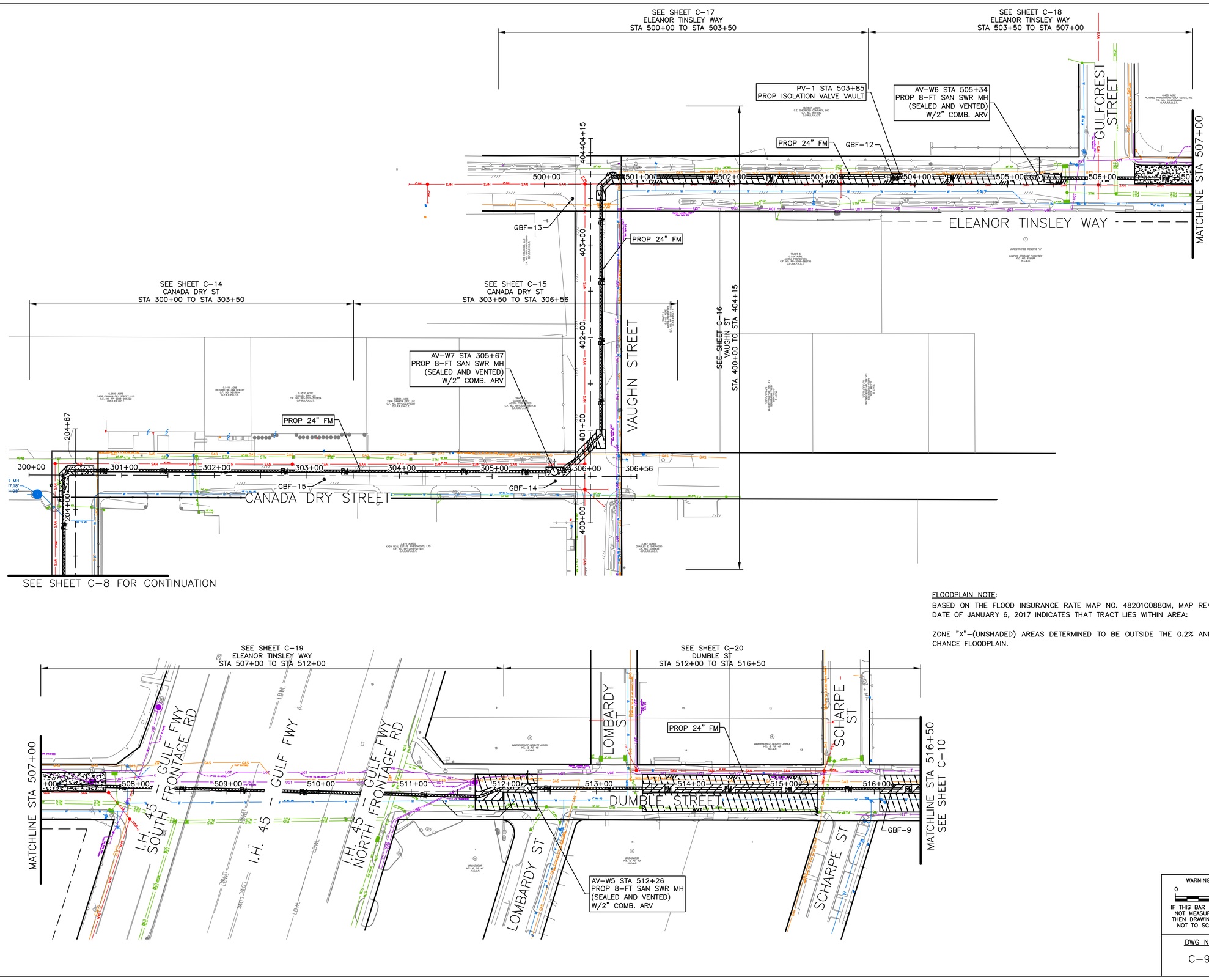

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0 50' 100'
SCALE: 1"=50'

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: J. GOTTLIEB	FB NO. P-6416
CHECKED BY: E. RULLMAN	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
EDDINGTON LS
24-INCH FM LAYOUT
SHEET 2 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=50'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 24 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-9

SEE SHEET C-21
DUMBLE ST
STA 516+50 TO STA 520+50

SEE SHEET C-22
DUMBLE ST
STA 520+50 TO STA 525+50

SEE SHEET C-24
DUMBLE ST
STA 525+50 TO STA 530+50

MATCHLINE STA 516+50
SEE SHEET C-9

MATCHLINE STA 530+50

DUMBLE STREET

MUNGER ST

AV-W4 STA 519+36
PROP 8-FT SAN SWR MH
(SEALED AND VENTED)
W/2" COMB. ARV

PROP 24" FM

GBF-8

PV-2 STA 523+00
PROP ISOLATION VALVE VAULT

FOURCADE ST

DIEZ ST

GBF-7

AV-W3 STA 527+22
PROP 8-FT SAN SWR MH
(SEALED AND VENTED)
W/2" COMB. ARV

MABLE ST

AV-W2 STA 530+33
PROP 8-FT SAN SWR MH
(SEALED AND VENTED)
W/2" COMB. ARV

GBF-6

LAWSON ST

WESLEY ST

N

0 50' 100'

SCALE: 1"=50'

FLOODPLAIN NOTE:
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ZONE "X"-(UNSHADED) AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

SEE SHEET C-25
DUMBLE ST
STA 530+50 TO STA 535+00

SEE SHEET C-27
DUMBLE ST
STA 535+00 TO STA 538+75

SEE SHEET C-29
DUMBLE ST
STA 538+75 TO STA 543+00

SEE SHEET C-11 FOR CONTINUATION

MATCHLINE STA 530+50

DUMBLE STREET

PROP 24" FM

JEFFERSON ST

PV-3 STA 537+50
PROP ISOLATION VALVE VAULT

PEASE ST

GBF-3

TELEPHONE ROAD

GBF-5

PEARSON ST

ELLISTON ST

GBF-4

AV-W1 STA 538+90
PROP 8-FT SAN SWR MH
(SEALED AND VENTED)
W/2" COMB. ARV

ELLIOTT ST

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-10

NO.	REVISION	REVISION	APP.

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Houston, Texas 77019
TBPE Firm Registration No. F-10053

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
EDDINGTON LS
24-INCH FM LAYOUT
SHEET 3 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=50'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 25 OF 403	

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PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:26 PM

0 50' 100'

SCALE: 1"=50'

NO.	REVISION	REVISION	APP.

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3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY:	E. RULLMAN
DRAWN BY:	J. GOTTLIEB
CHECKED BY:	E. RULLMAN
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
EDDINGTON LS
24-INCH FM LAYOUT
SHEET 4 OF 4

FLOODPLAIN NOTE:
BASED ON THE FLOOD INSURANCE RATE MAP NO. 48201C0880M, MAP REVISED DATE OF JANUARY 6, 2017 INDICATES THAT TRACT LIES WITHIN AREA:

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WARNING
0 1
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DWG NO
C-11

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=50'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 26 OF 403	

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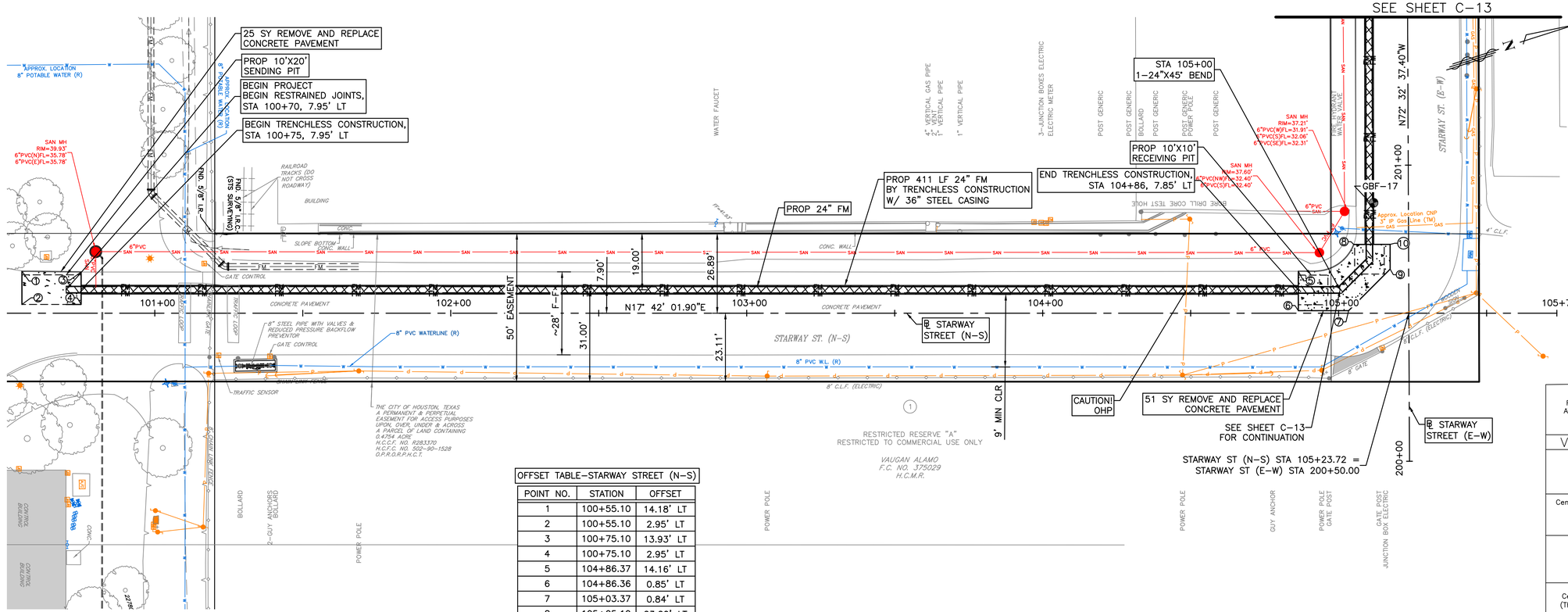


OFFSET TABLE-STARWAY STREET (N-S)		
POINT NO.	STATION	OFFSET
1	100+55.10	14.18' LT
2	100+55.10	2.95' LT
3	100+75.10	13.93' LT
4	100+75.10	2.95' LT
5	104+86.37	14.16' LT
6	104+86.36	0.85' LT
7	105+03.37	0.84' LT
8	105+05.10	23.20' LT
9	105+17.41	14.87' LT
10	105+17.39	23.23' LT

NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1-INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455-8415:
LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/-10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/-200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY) ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.

Signature valid for six months.

Date

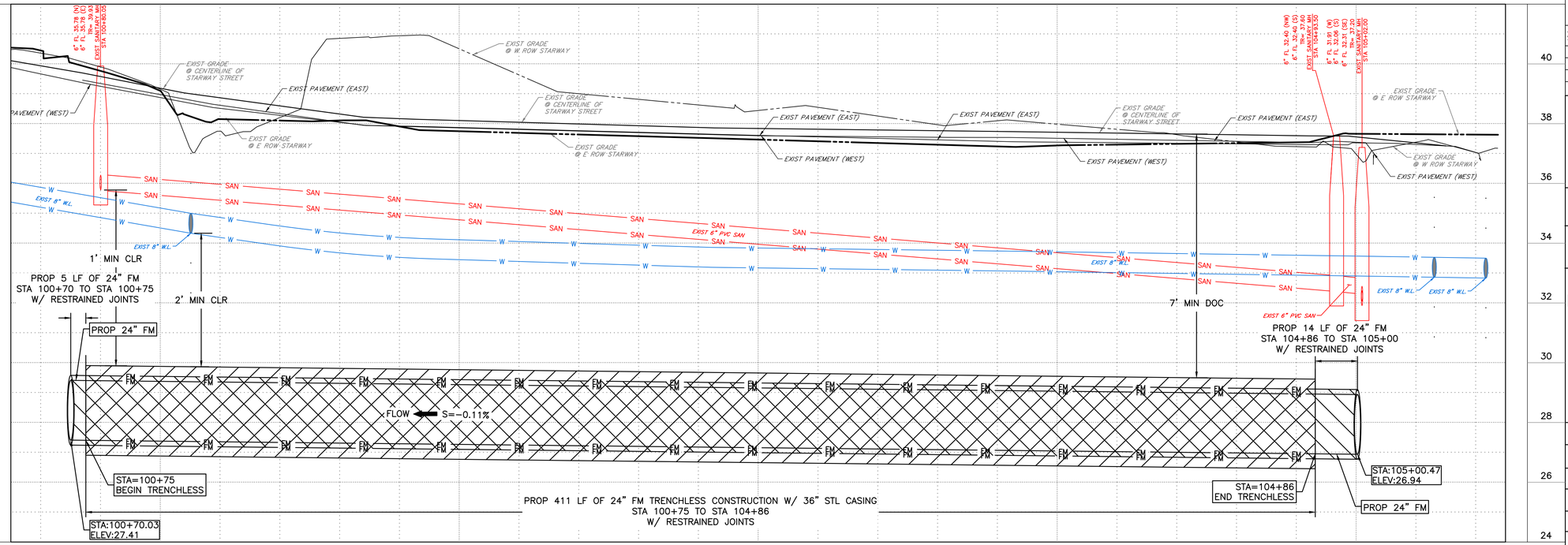
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities - not to be used for conflict verification)

Signature valid for six months.

Date

Approved for AT&T underground conduit facilities only.
Signature valid for one year.

NO.	DATE	REVISION	APP.



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Houston, Texas 77019
www.ardurra.com
TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE STARWAY ST N-S STA 100+50 TO STA 105+74

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-12 OF C-84	

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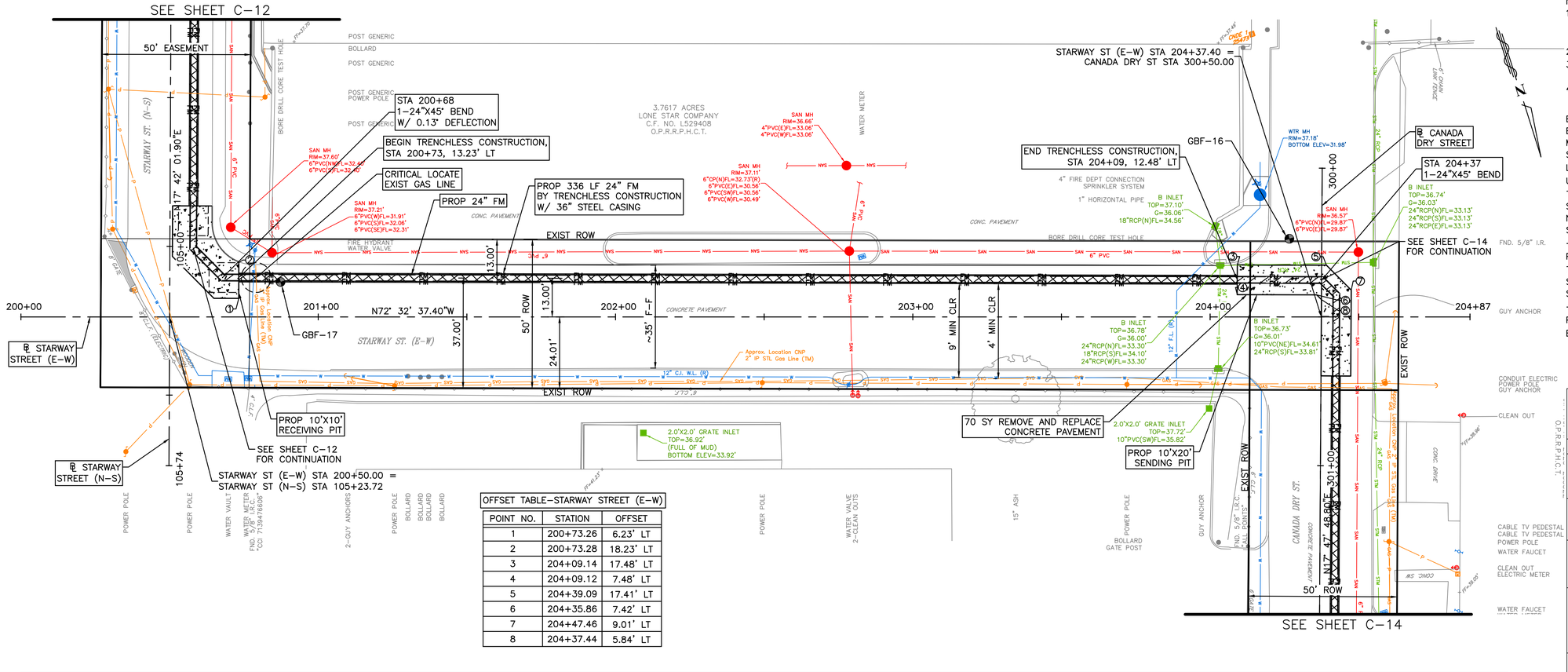

NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1-INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455-8415:
LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/-10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/-200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

Date

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.

Signature valid for six months.

Date

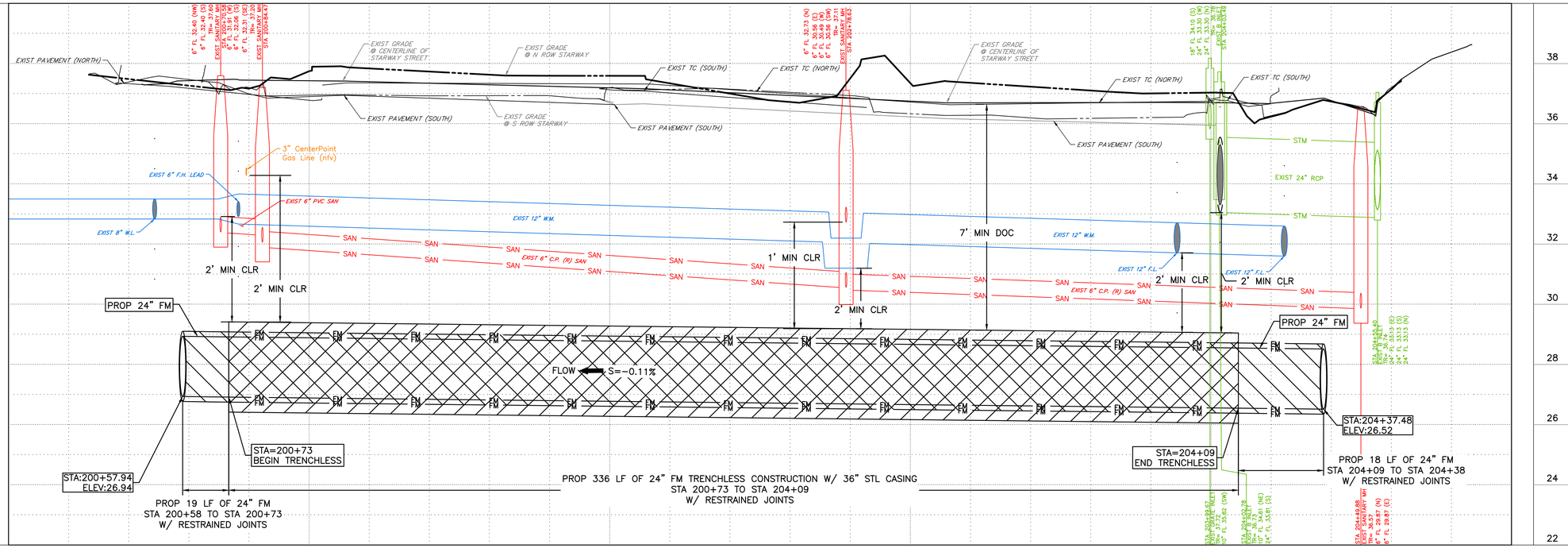
CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities – not to be used for conflict verification)

Signature valid for six months.

Date

Approved for AT&T underground conduit facilities only.
Signature valid for one year.

NO.	DATE	REVISION	APP.



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SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
STARWAY ST (E-W)
STA 200+00 TO STA 204+87

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-13 OF C-84	

PLOTTED: 5/14/2026 5:31 PM
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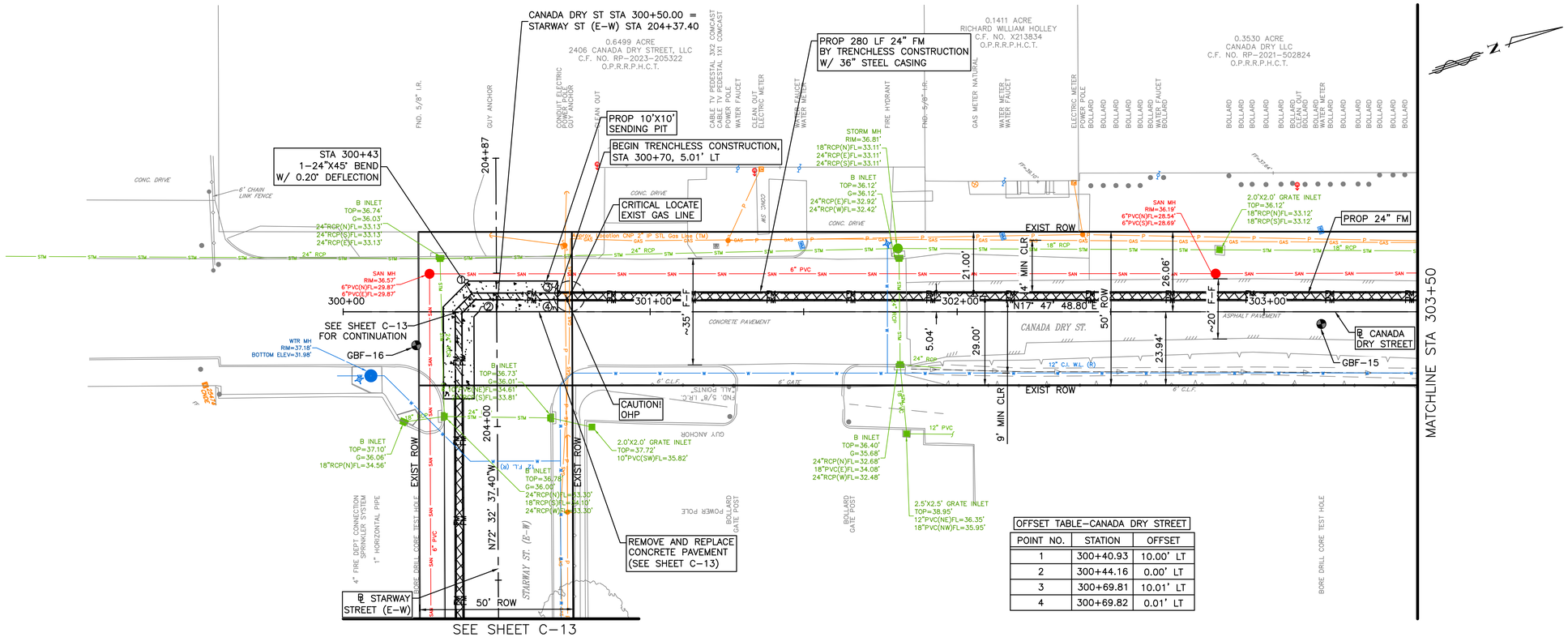

OFFSET TABLE-CANADA DRY STREET		
POINT NO.	STATION	OFFSET
1	300+40.93	10.00' LT
2	300+44.16	0.00' LT
3	300+69.81	10.01' LT
4	300+69.82	0.01' LT

NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1-INCH WITH FIBERCRETE (OR EQUAL).
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0 20' 40'
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NO.	DATE	REVISION	APP.

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FB NO. P-6416

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
CANADA DRY ST
STA 300+00 TO STA 303+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-14 OF C-84	

PLOT STYLE: COH.ctb
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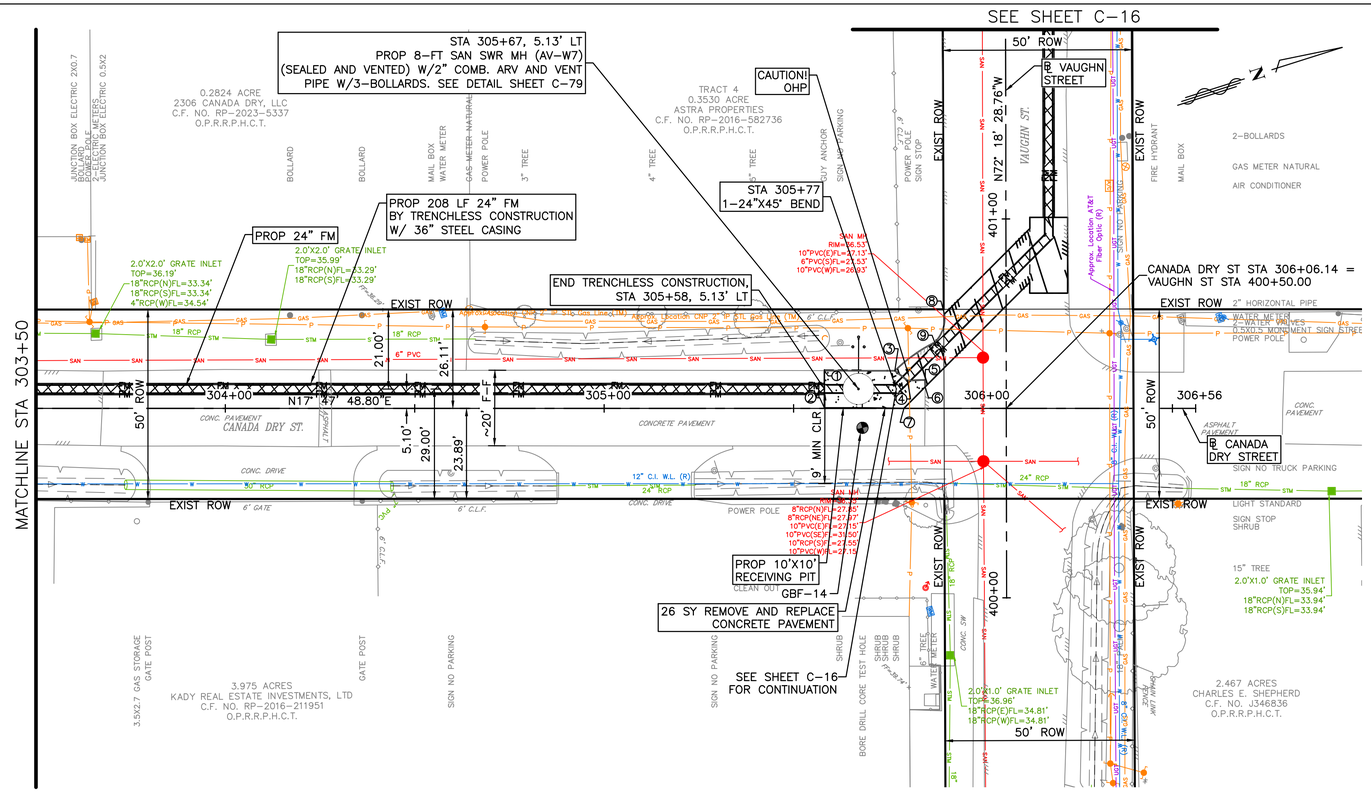
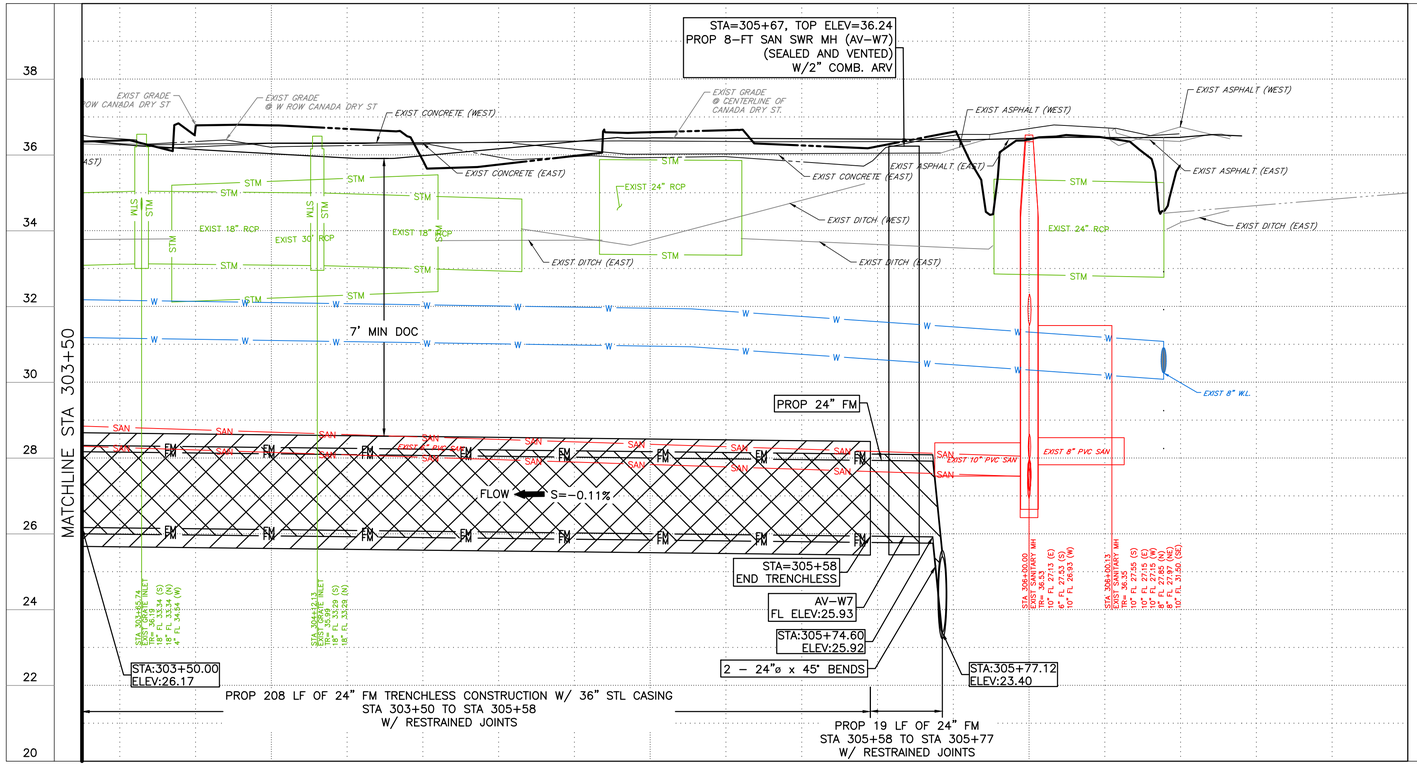
OFFSET TABLE–CANADA DRY STREET		
POINT NO.	STATION	OFFSET
1	305+58.12	9.96' LT
2	305+58.13	0.13' LT
3	305+76.73	9.92' LT
4	305+80.06	7.36' LT
5	305+84.75	7.53' LT
6	305+84.74	5.68' LT
7	305+79.13	0.00' LT
8	305+89.81	24.90' LT
9	305+87.28	17.43' LT





NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1–INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455–8415:
LOCATED ON SH 35 NORTH BOUND, +/–470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/–10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/–200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

Date

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Date

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Date

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NO.	DATE	REVISION	APP.

ARDURRA
COLLABORATE. INNOVATE. CREATE.
3116 Allen Parkway, Suite 300
Houston, Texas 77019
www.ardurra.com
TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P–6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
CANADA DRY ST
STA 303+50 TO STA 306+56

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C–15 OF C–84	

PLOT STYLE: COH.ctb
PLOTTED: 5/14/2026 5:33 PM
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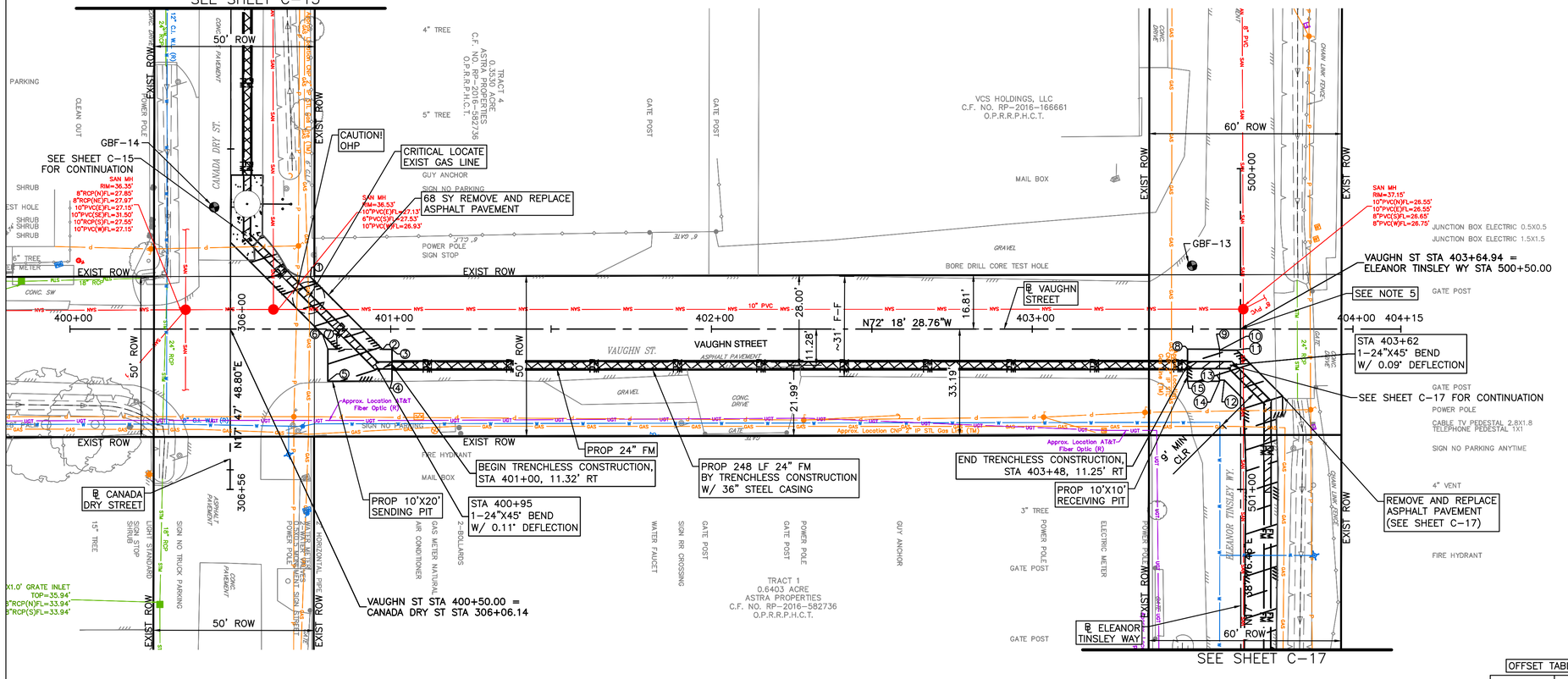

OFFSET TABLE–VAUGHN STREET		
POINT NO.	STATION	OFFSET
1	400+74.93	16.29' LT
2	400+97.46	6.31' RT
3	401+00.40	6.32' RT
4	401+00.38	16.32' RT
5	400+80.39	16.25' RT
6	400+80.40	6.25' RT
7	400+83.29	6.29' RT
8	403+48.42	6.25' RT
9	403+58.42	6.26' RT
10	403+58.42	6.58' RT
11	403+63.76	6.58' RT
12	403+59.88	15.91' RT
13	403+58.40	15.91' RT
14	403+58.40	16.26' RT
15	403+48.40	16.29' RT

NOTES:
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5. CONTRACTOR SHALL COORDINATE WITH ADJACENT PROPERTY OWNER TO DEVELOP A TIMELINE FOR CONSTRUCTION IN THIS INTERSECTION WHICH WILL NOT INTERFERE WITH HIS/HER OPERATIONS.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455-8415:
LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/-10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/-200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
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NO.	DATE	REVISION	APP.

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TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE VAUGHN ST STA 400+00 TO STA 404+15

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-16 OF C-84	

PLOTTED: 5/14/2026 5:34 PM
PLOT STYLE: COH.ctb
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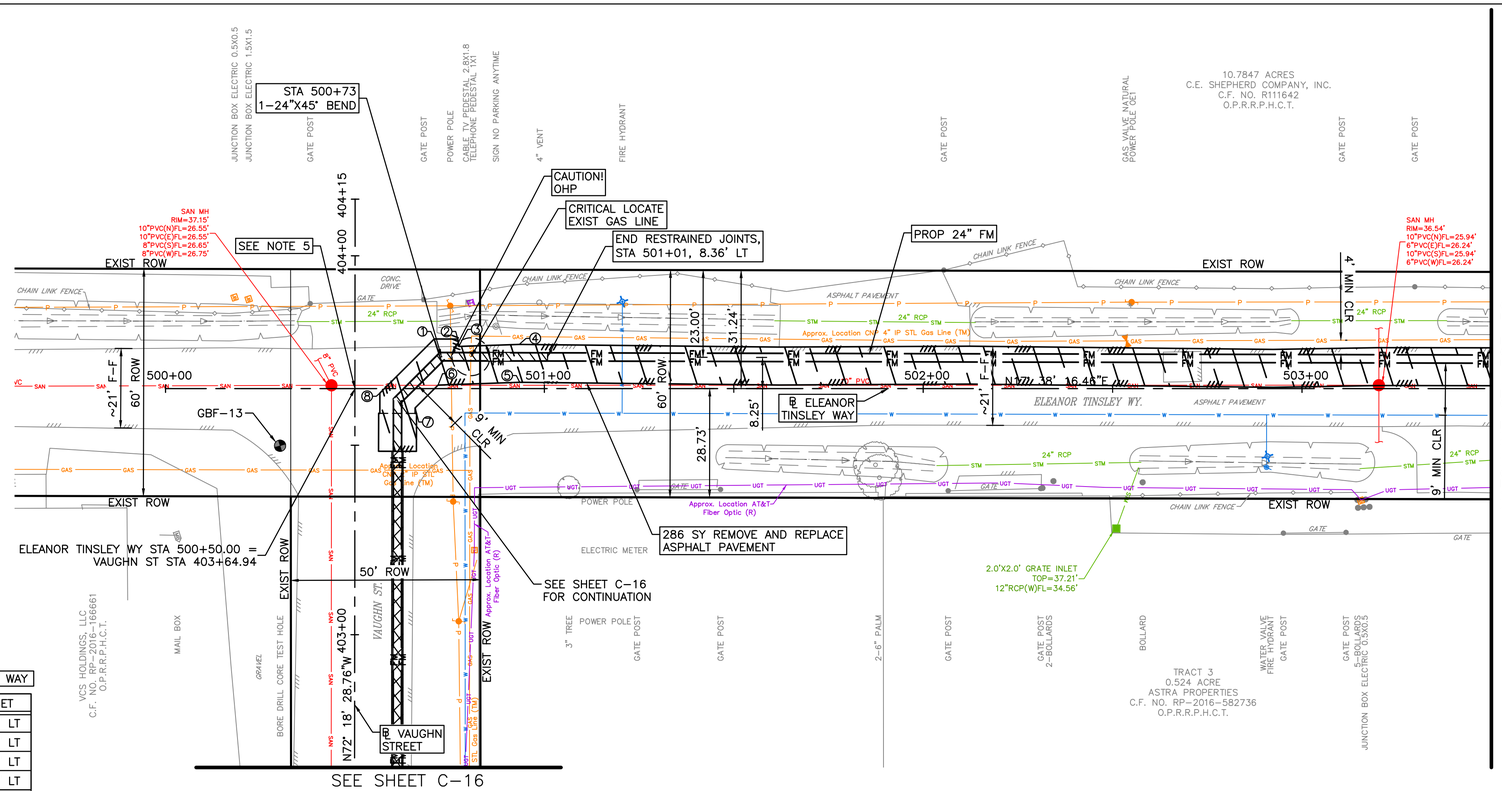
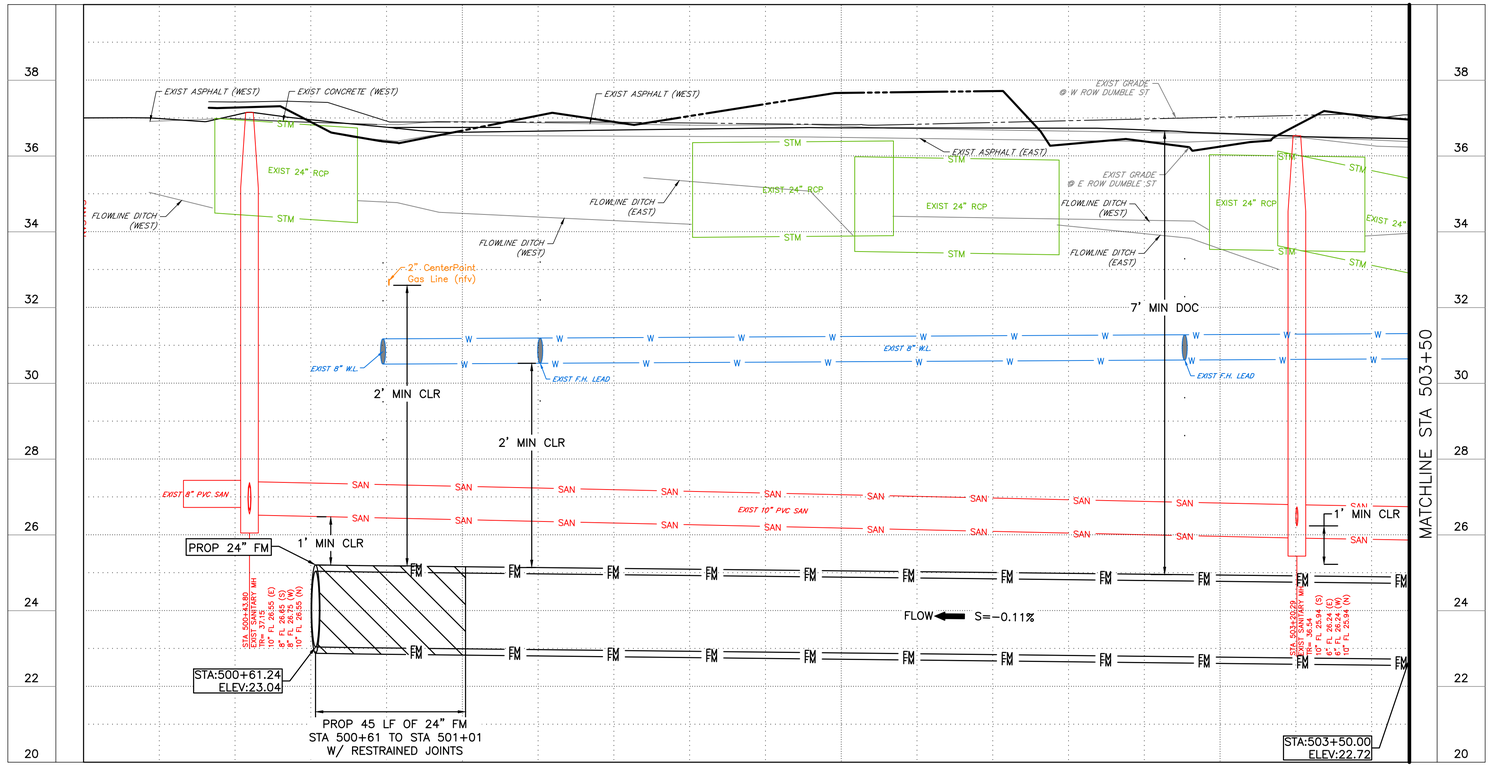


OFFSET TABLE-ELEANOR TINSLEY WAY		
POINT NO.	STATION	OFFSET
1	500+70.93	13.10' LT
2	500+77.15	13.09' LT
3	500+77.42	11.13' LT
4	500+93.37	11.67' LT
5	500+93.49	1.66' LT
6	500+71.94	0.93' LT
7	500+65.91	5.07' RT
8	500+56.58	1.19' RT



0 20' 40'
SCALE: 1"=20'

NOTES:
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TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/-200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

NOTICE:
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NO.	DATE	REVISION	APP.

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www.ardurra.com
TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
ELEANOR TINSLEY WAY
STA 500+00 TO STA 503+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-17 OF C-84	

PLOTTED: 5/14/2026 5:35 PM
PLOT STYLE: 2025 COH.ctb
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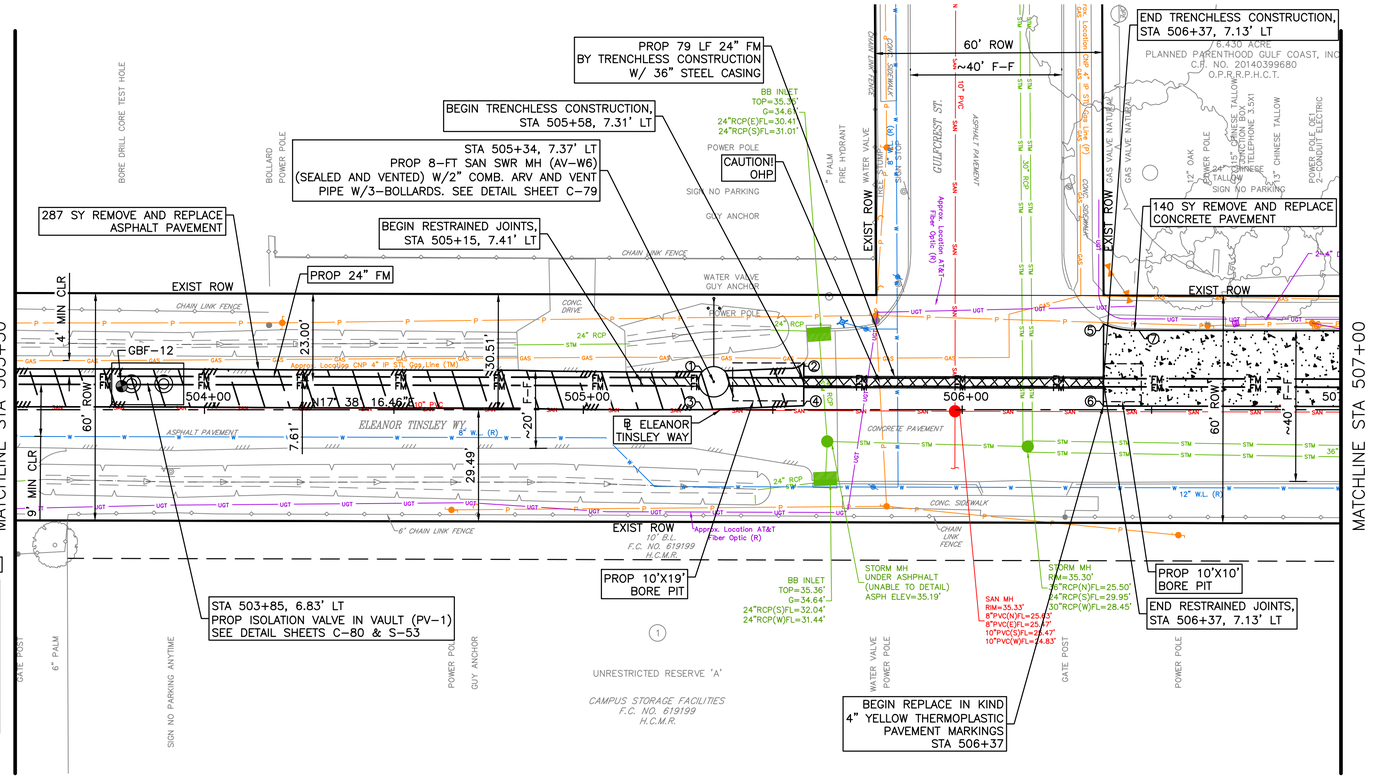
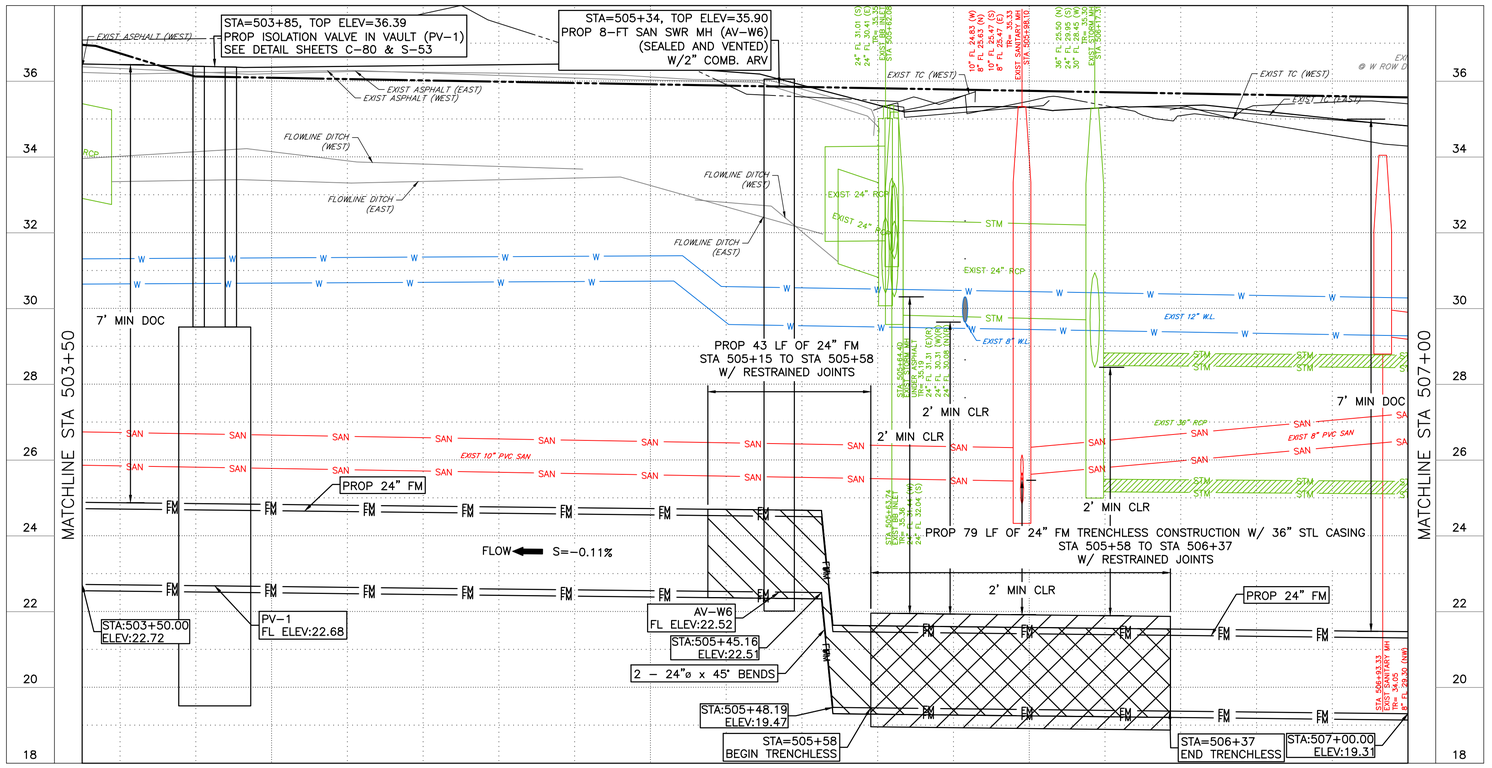


OFFSET TABLE-ELEANOR TINSLEY WAY		
POINT NO.	STATION	OFFSET
1	505+31.55	10.02' LT
2	505+58.20	12.44' LT
3	505+31.75	0.02' LT
4	505+58.17	1.05' LT
5	506+37.36	22.61' LT
6	506+37.27	0.97' LT
7	506+46.61	20.95' LT



NOTES:
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BENCHMARK:
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ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

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NO.	DATE	REVISION	APP.

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TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
ELEANOR TINSLEY WAY
STA 503+50 TO STA 507+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-18 OF C-84	

PLOTTED: 5/14/2026 5:35 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehren\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PPET.dwg

NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1–INCH WITH FIBERCRETE (OR EQUAL).
2. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.
3. SHAFT SHAPE, AND SIZE ARE SHOWN FOR REFERENCE ONLY. ACTUAL DIMENSIONS SHALL BE DETERMINED BY CONTRACTOR.
4. THE LIMITS OF PAVEMENT AND CURB REPLACEMENT SHOWN AT SHAFT LOCATIONS ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF ANY PAVEMENT REMOVED IN THE COURSE OF SHAFT EXCAVATION, AND ANY PAVEMENT DAMAGE BY CONTRACTOR'S OPERATIONS. REPLACEMENT OF PAVEMENT SHALL BE IN ACCORDANCE WITH THE COH STANDARDS, MATCHING THICKNESS, AND INCLUDING CURBS AND RAMPS THAT ARE REMOVED OR DAMAGED. NO SEPARATE PAYMENT, COST IS SUBSIDIARY TO SHAFT EXCAVATION.
5. BORING GBF–10 NOT SURVEYED, LOCATION IS APPROXIMATE.

BENCHMARK:
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NO.	DATE	REVISION	APP.
B	4/24/26	90% REVIEW	MS
A	2/9/26	60% REVIEW	MS

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TBPE Registration Number: F-10053

PARSONS
1 RIVERWAY
SUITE 1100
HOUSTON, TEXAS 77056
PH. 713 871–7000
TBPE FIRM REGISTRATION NO. 8008

90% SUBMITTAL

THIS DOCUMENT IS RELEASED FOR THE PURPOSES OF INTERIM REVIEW UNDER THE AUTHORITY OF
MONICA PATRICIA SUAREZ, P.E.
#99458
4/24/2026
THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P–6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

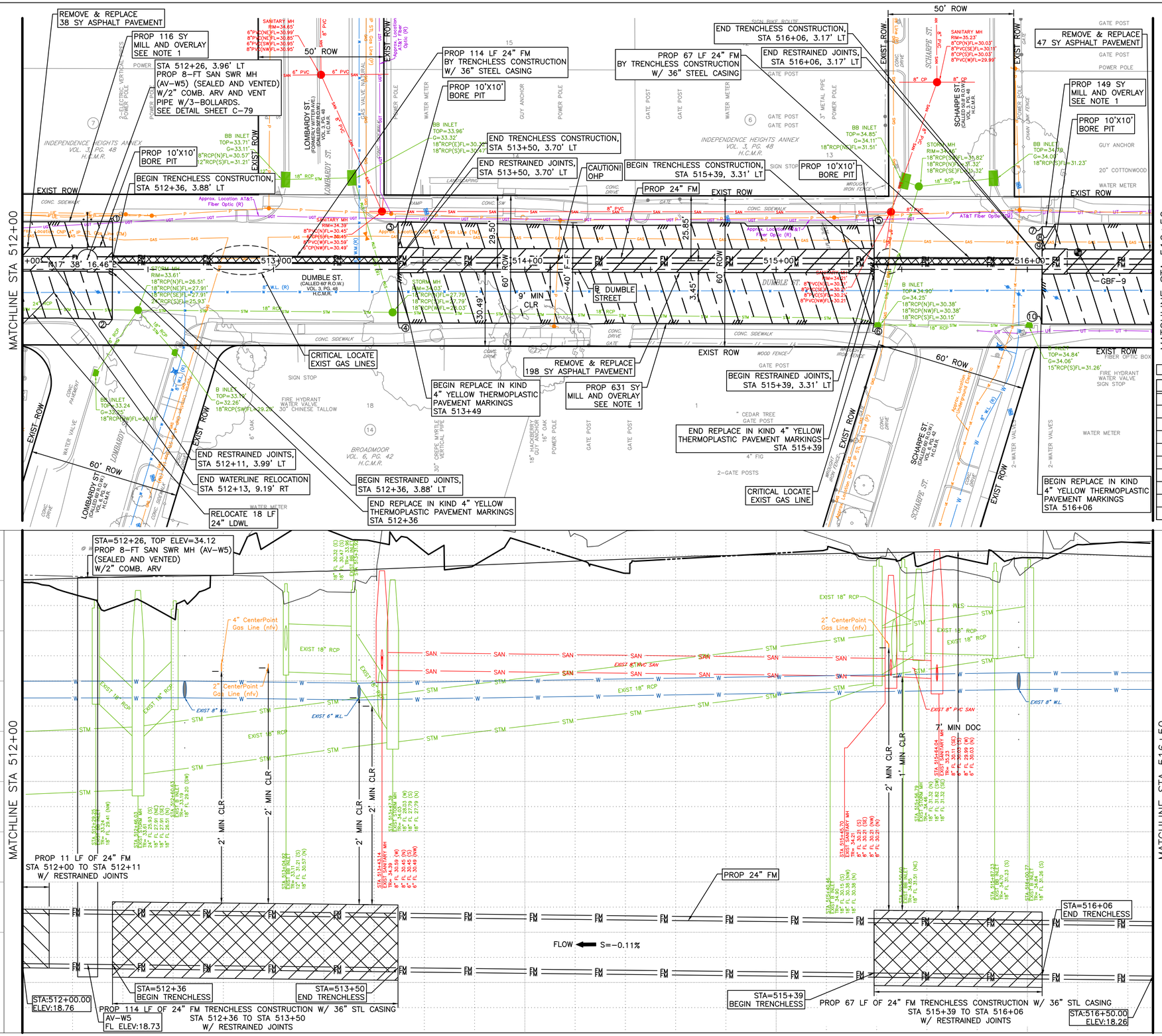
CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
DUMBLE ST
STA 507+00 TO STA 512+00

WBS NUMBER	R–001000–0035–4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO.	C-19 OF C-84

FOR CITY OF HOUSTON USE ONLY

FILE PATH: C:\Users\p0033391\OneDrive – Parsons Corp\Documents\Jobs\454\454793 – Eddington Force Main\ENG\CAD\Civil\C–PPET Parsons.dwg
PLOTTED: 4/23/2026 4:29 PM
STYLE: COH.ctb



OFFSET TABLE-DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	512+35.89	19.01' LT
2	512+35.80	19.96' RT
3	513+49.55	18.81' LT
4	513+49.45	21.26' RT
5	515+39.03	17.47' LT
6	515+38.93	21.57' RT
7	516+05.90	17.07' LT
8	516+10.94	18.07' LT
9	516+11.21	16.92' LT
10	516+05.80	21.73' RT

NOTES:
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0 20' 40'
SCALE: 1"=20'

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE DUMBLE ST STA 512+00 TO STA 516+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-20 OF C-84	

PLOTTED: 5/14/2026 5:36 PM
PLOT STYLE: 2025 COH.ctb
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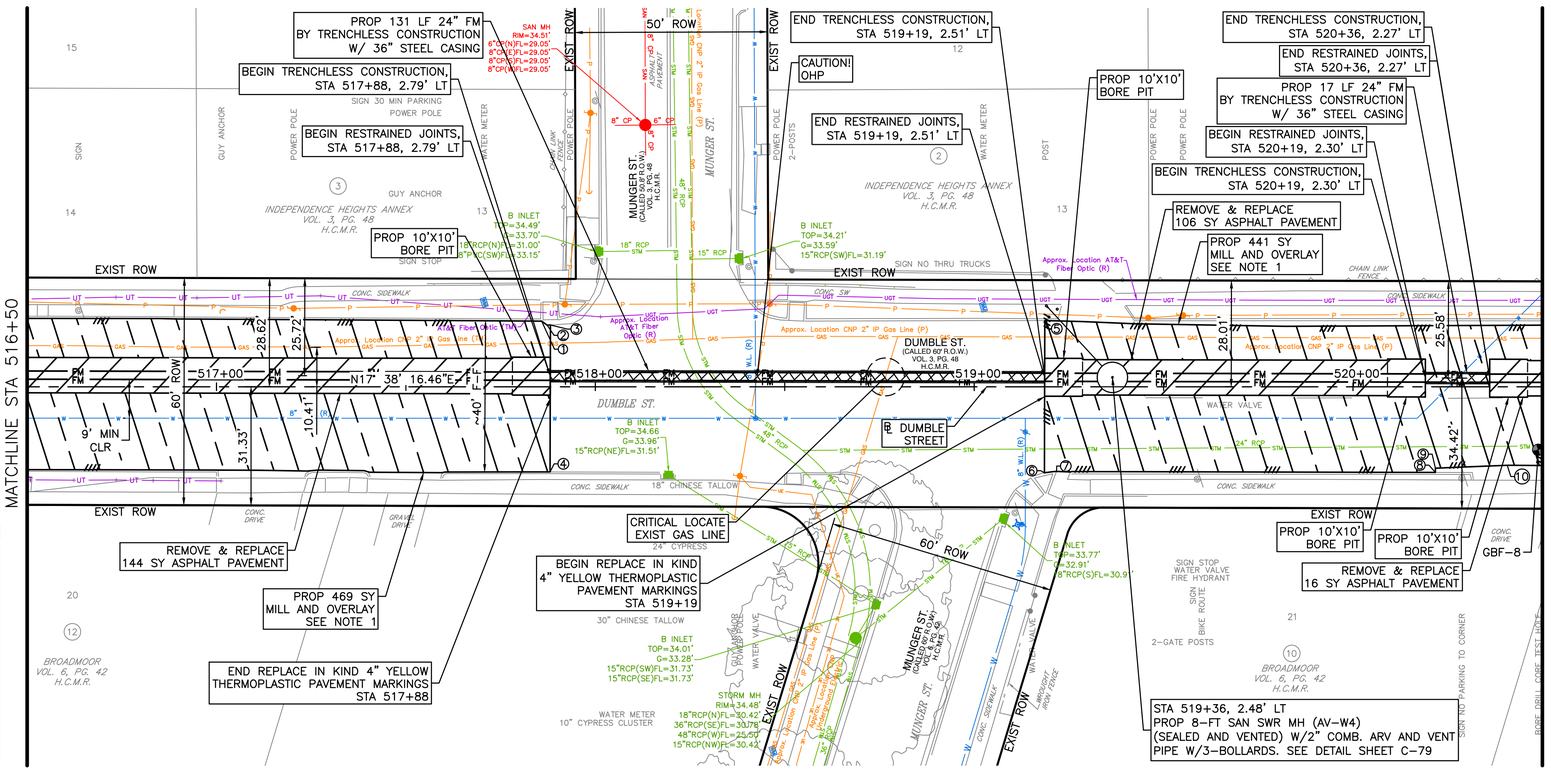
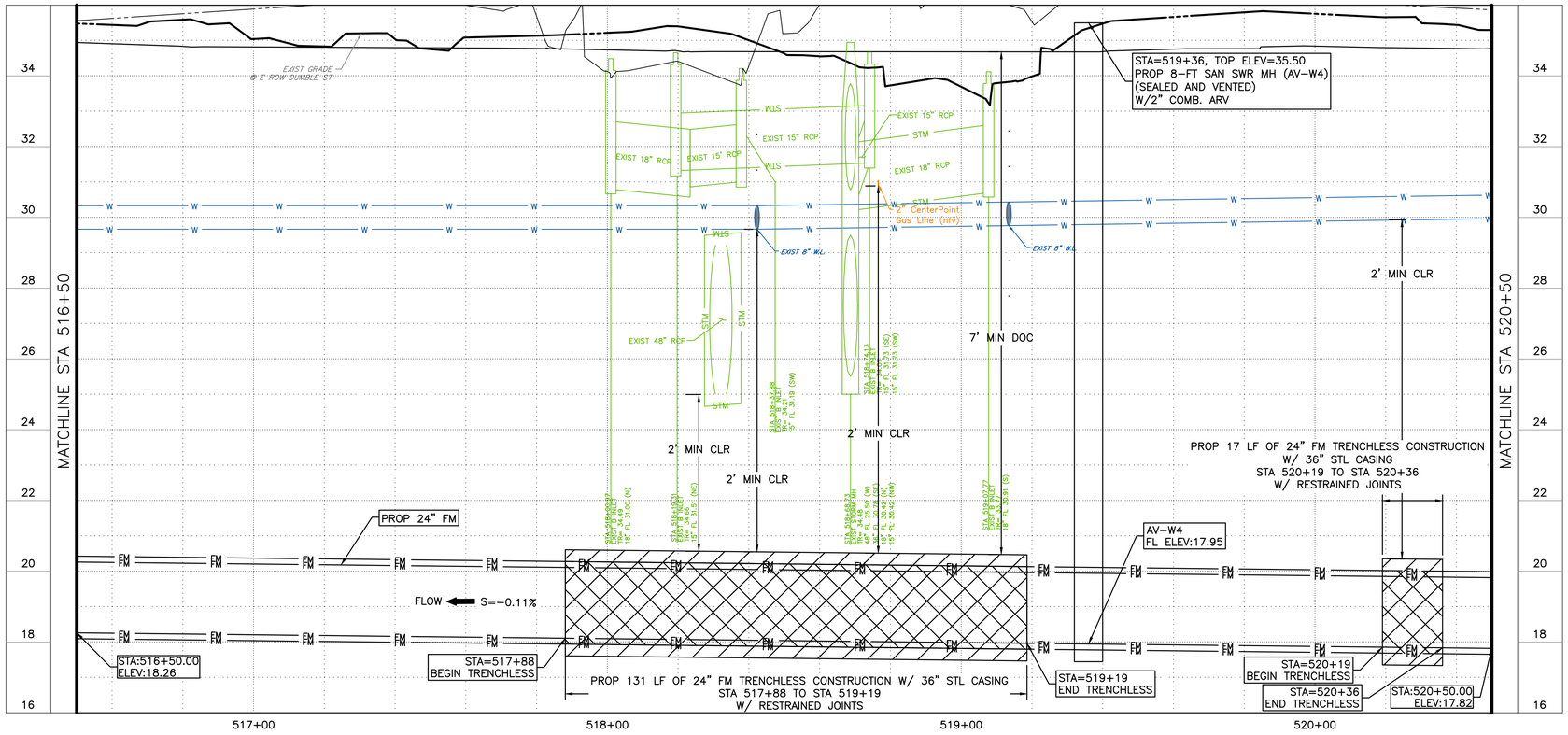


OFFSET TABLE–DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	517+85.83	17.33' LT
2	517+87.27	16.26' LT
3	517+88.14	16.32' LT
4	517+88.04	22.48' RT
5	519+18.64	17.47' LT
6	519+18.54	22.72' RT
7	519+21.74	22.34' RT
8	520+21.74	22.61' RT
9	520+21.74	21.49' RT
10	520+40.70	20.73' RT



NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1–INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455–8415:
LOCATED ON SH 35 NORTH BOUND, +/–470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/–10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/–200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

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NO.	DATE	REVISION	APP.

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TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

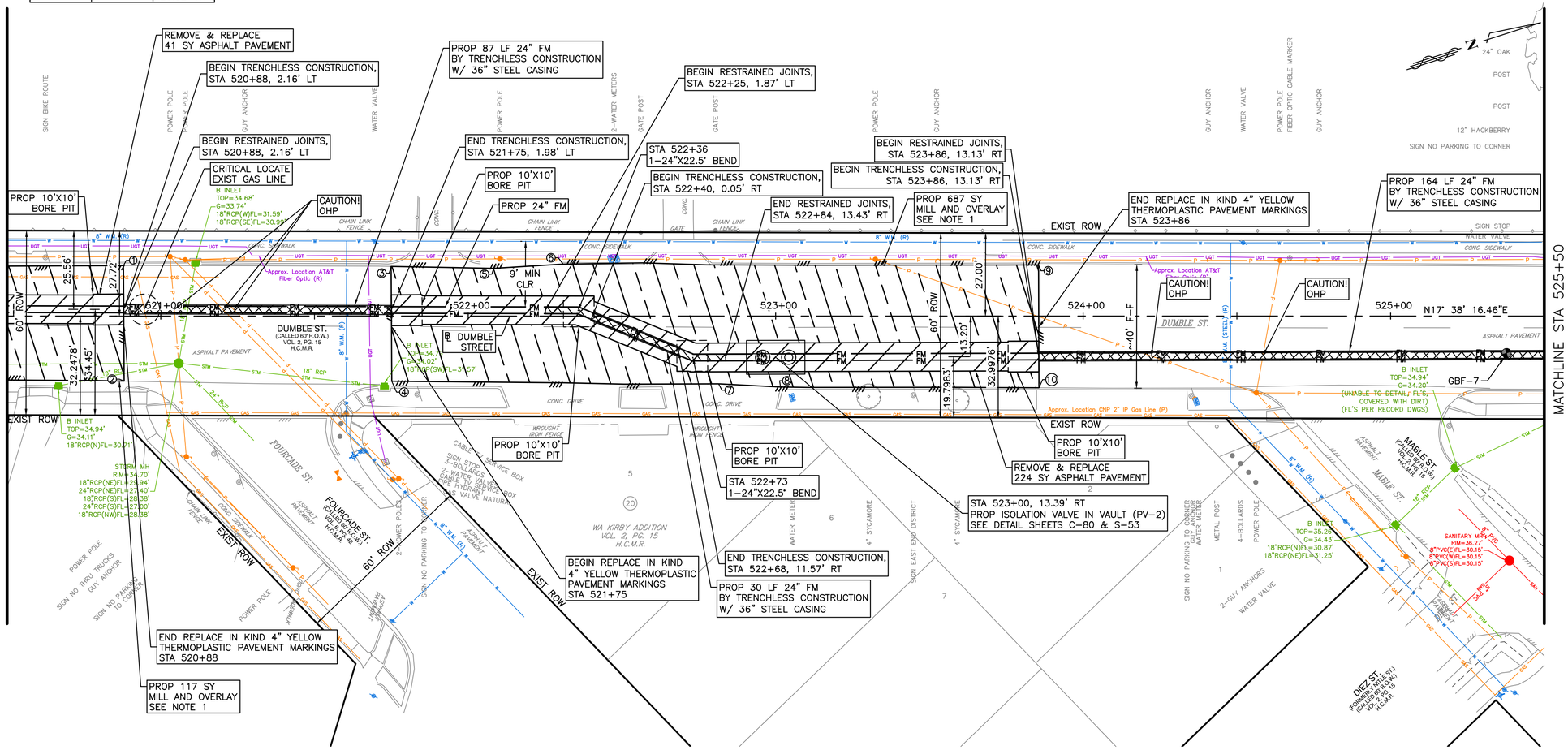
PLAN & PROFILE DUMBLE ST STA 516+50 TO STA 520+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-21 OF C-84	

PLOTTED: 5/14/2026 5:37 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PP2.dwg

PLOT STYLE: 2025 COH.ctb PLOTTED: 5/14/2026 5:37 PM
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PP2.dwg

OFFSET TABLE–DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	520+87.86	16.41' LT
2	520+88.08	21.14' RT
3	521+74.91	16.15' LT
4	521+75.13	21.18' RT
5	522+08.27	15.52' LT
6	522+30.87	16.91' LT
7	522+81.44	22.04' RT
8	523+01.57	23.06' RT
9	523+85.51	16.66' LT
10	523+85.63	23.32' RT



NOTES:
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3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
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BENCHMARK:
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SITE CONTROL MONUMENT 5455–8415:
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ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

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FB NO. P–6416

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN
DUMBLE ST
STA 520+50 TO STA 525+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C–22 OF C–84	

PLOT STYLE: 2025 COH.ctb
PLOTTED: 5/14/2026 5:37 PM
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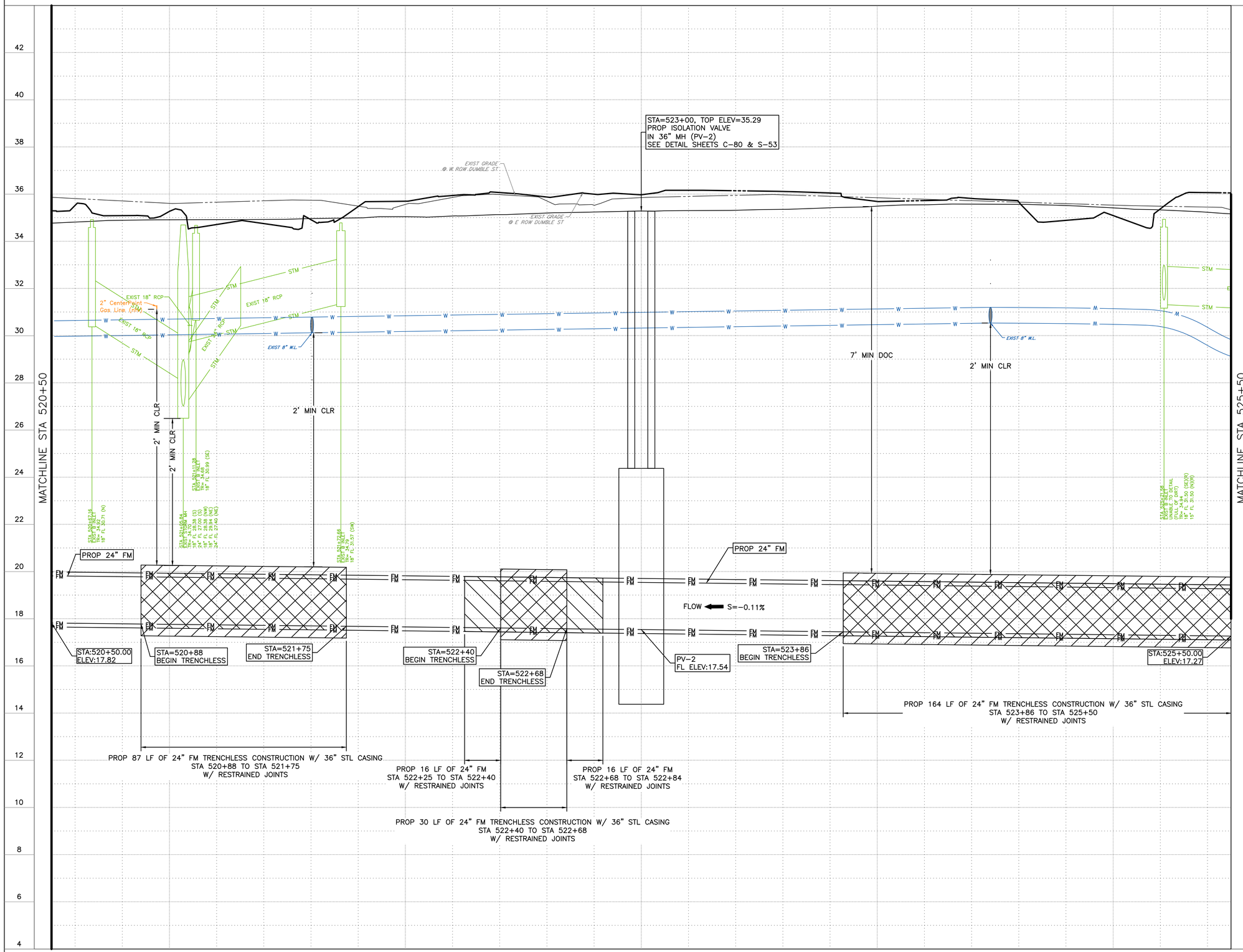

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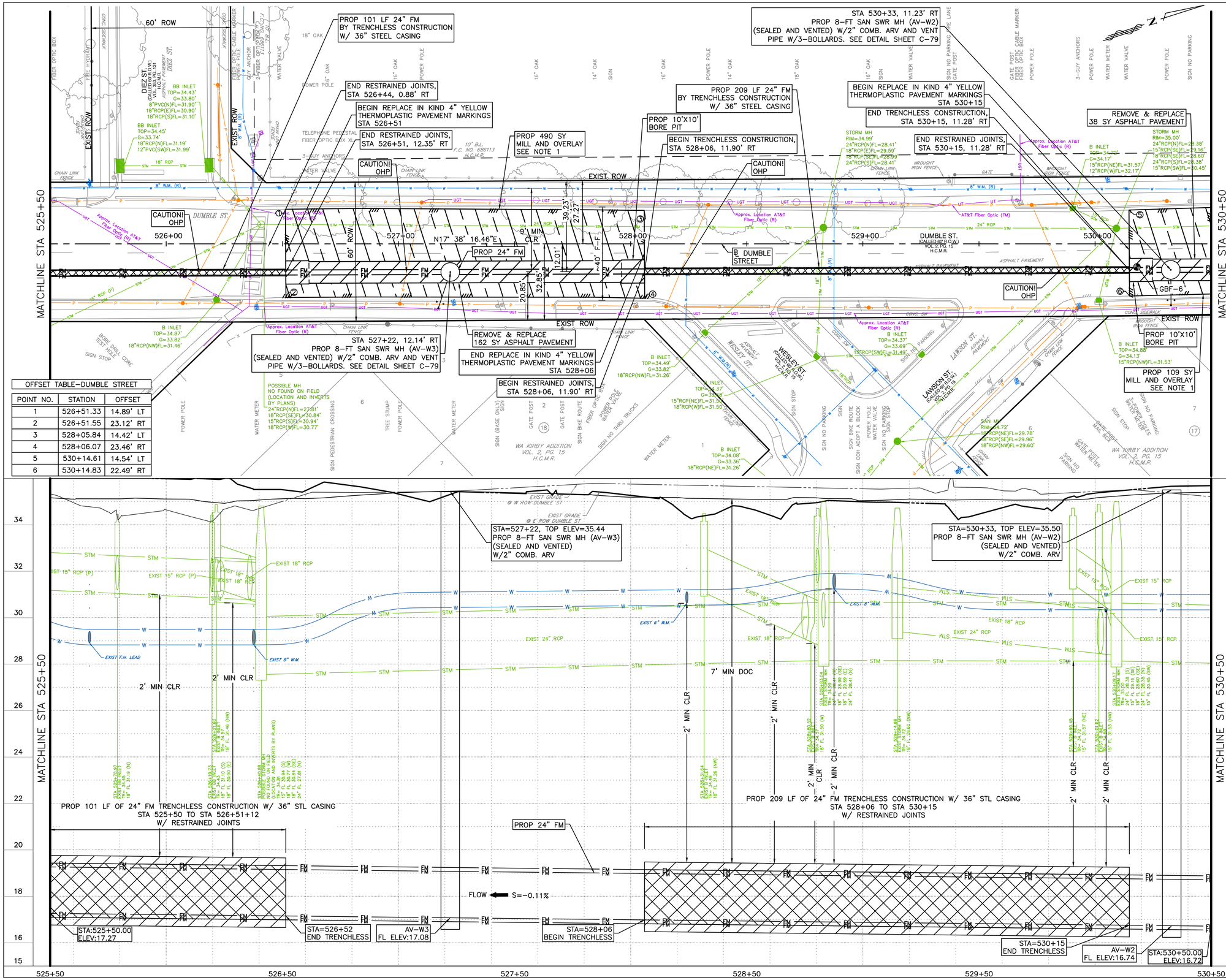
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PROFILE
DUMBLE ST
STA 520+50 TO STA 525+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-23 OF C-84	



OFFSET TABLE-DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	526+51.33	14.89' LT
2	526+51.55	23.12' RT
3	528+05.84	14.42' LT
4	528+06.07	23.46' RT
5	530+14.61	14.54' LT
6	530+14.83	22.49' RT

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0 20' 40'
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P.E. SERIAL No. 159410
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 - EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
DUMBLE ST
STA 525+50 TO STA 530+50

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-24 OF C-84	

PLOTTED: 5/14/2026 5:38 PM
PLOT STYLE: 2025 COH.ctb
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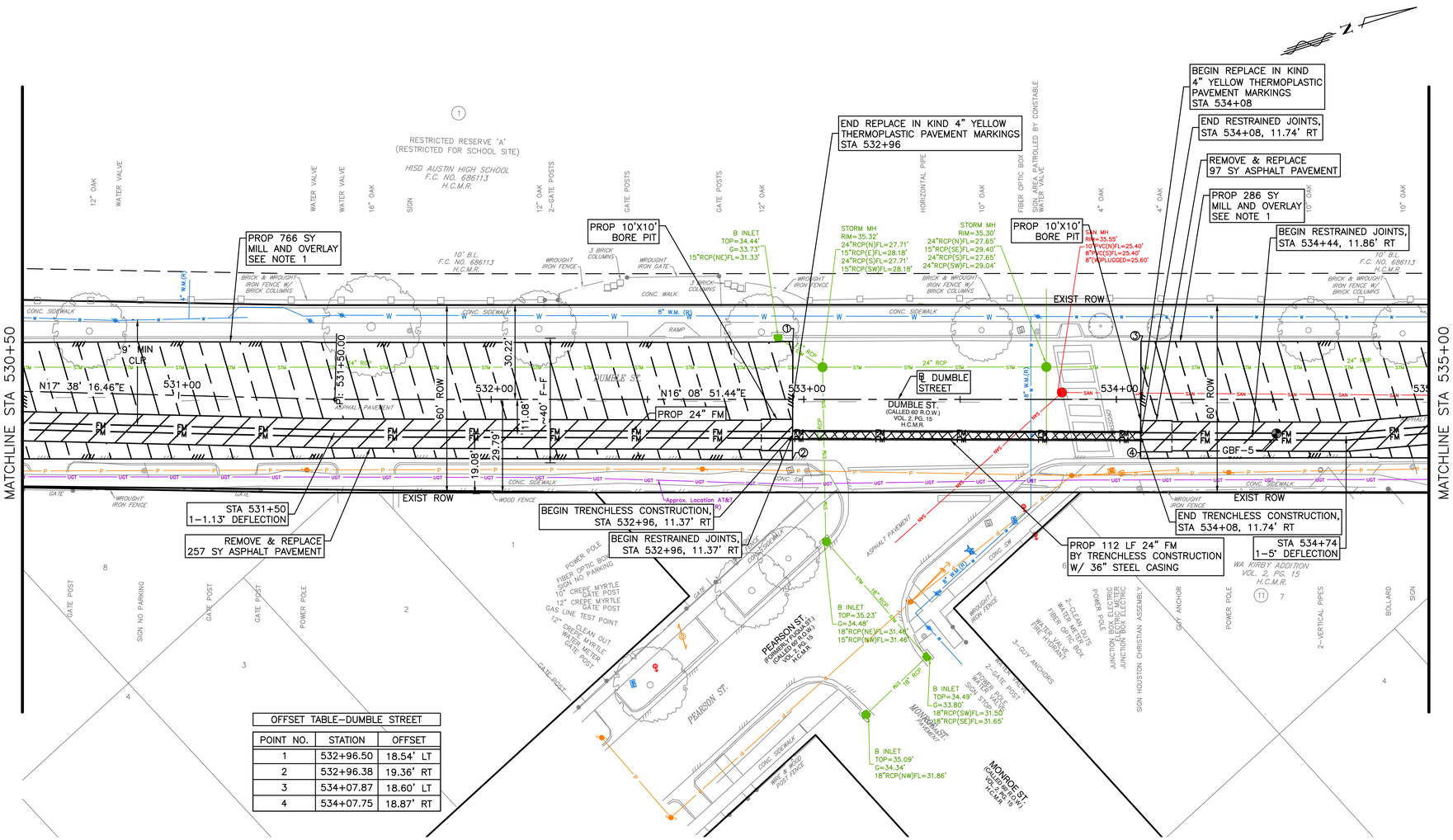

OFFSET TABLE–DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	532+96.50	18.54' LT
2	532+96.38	19.36' RT
3	534+07.87	18.60' LT
4	534+07.75	18.87' RT

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0 20' 40'
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CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN
DUMBLE ST
STA 530+50 TO STA 535+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C–25 OF C–84	

PLOTTED: 5/14/2026 5:38 PM
PLOT STYLE: 2025 COH.ctb
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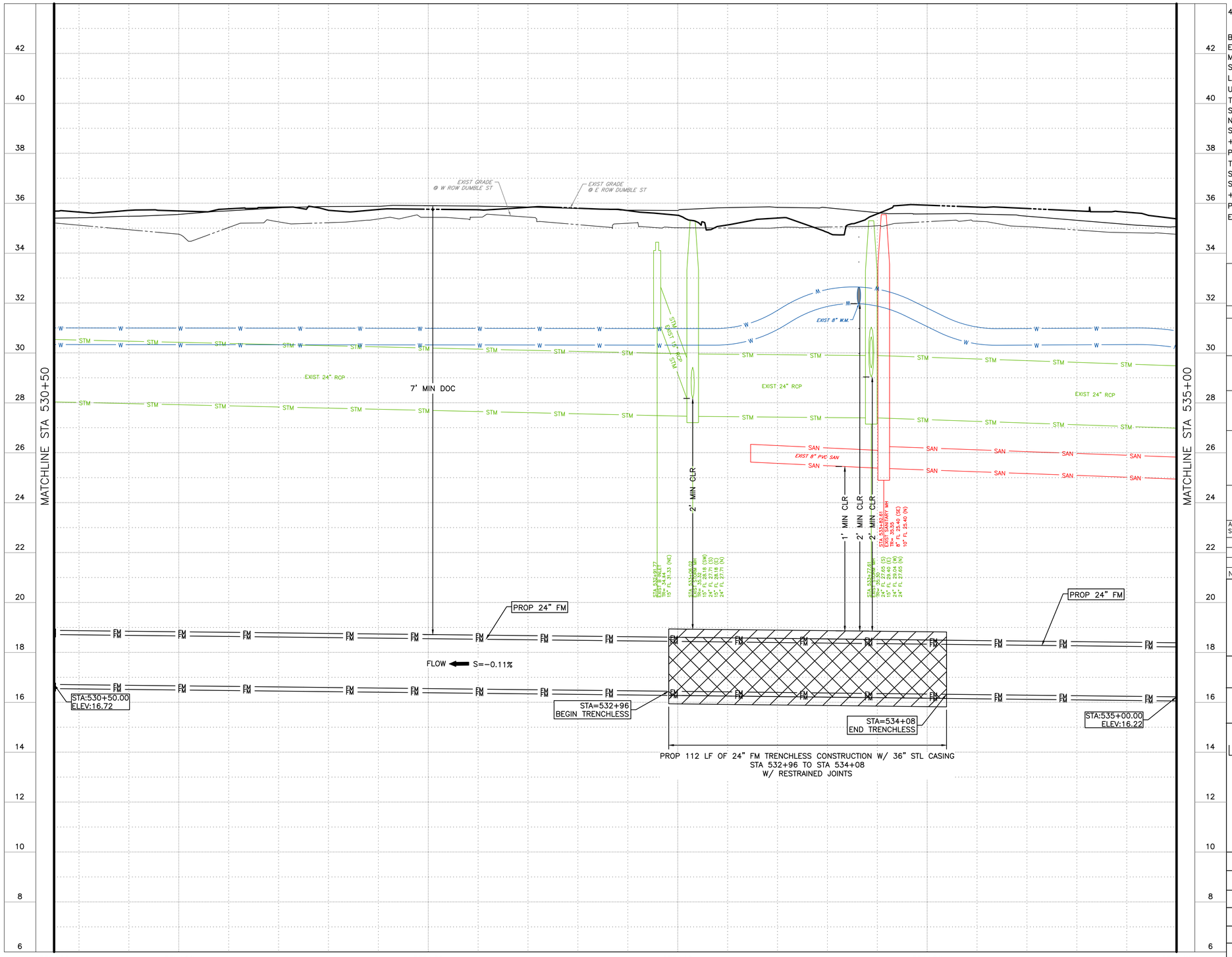

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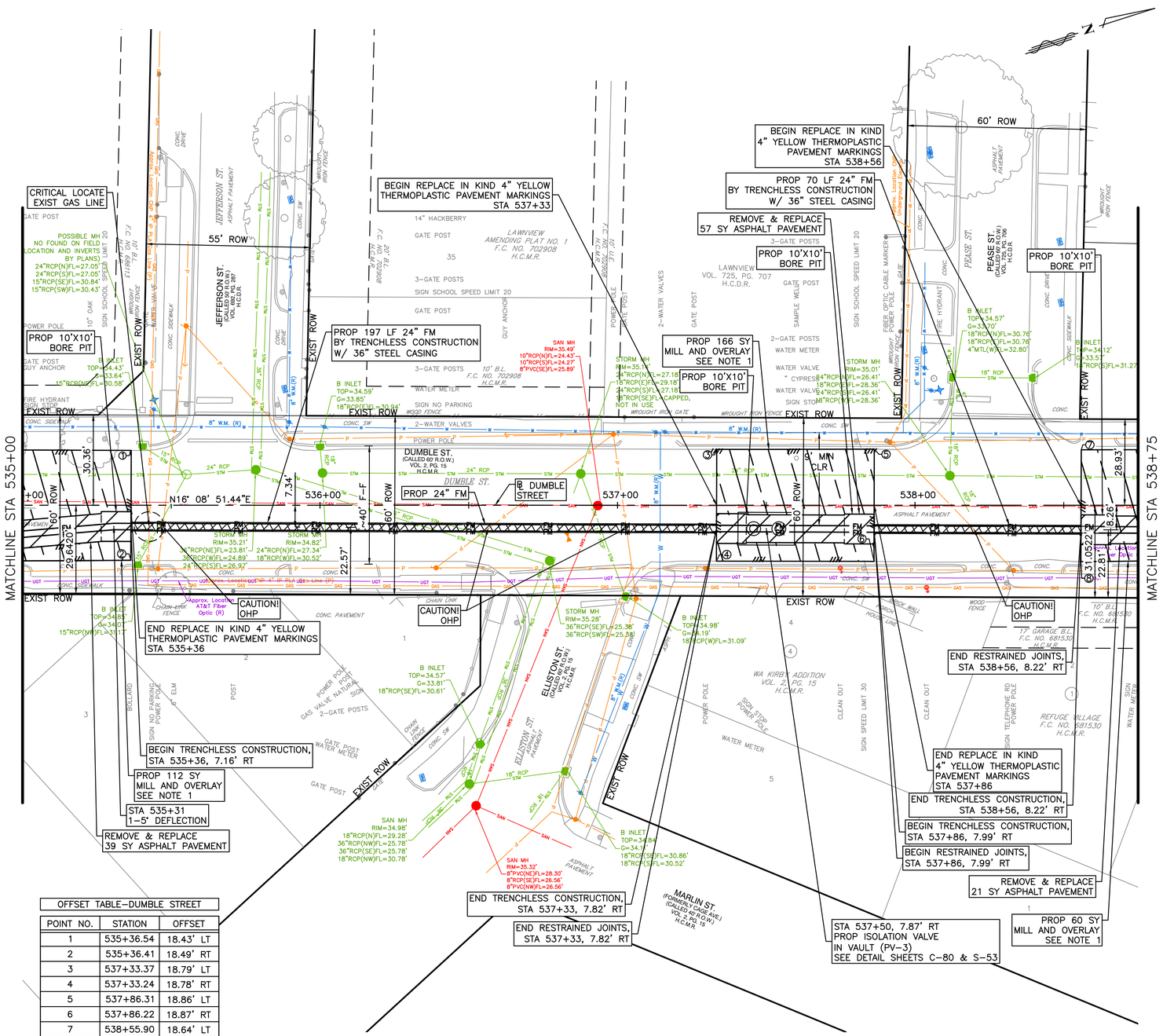
PROFILE
DUMBLE ST
STA 530+50 TO STA 535+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C–26 OF C–84	

PLOTTED: 5/14/2026 5:38 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024–1427\Project Files\03–Prod\03–Dwgs\C–PP2.dwg



OFFSET TABLE-DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	535+36.54	18.43' LT
2	535+36.41	18.49' RT
3	537+33.37	18.79' LT
4	537+33.24	18.78' RT
5	537+86.31	18.86' LT
6	537+86.22	18.87' RT
7	538+55.90	18.64' LT
8	538+55.77	18.92' RT

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SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/-200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

NOTICE:
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VERIFICATION OF PRIVATE UTILITY LINES

Date

CenterPoint Energy natural gas utilities shown. (Gas service lines are not shown). This signature not be used for conflict verification.

Signature valid for six months.

Date

CenterPoint Energy/UNDERGROUND Electrical Facilities Verification ONLY. (This signature verifies existing underground facilities – not to be used for conflict verification)

Signature valid for six months.

Date

Approved for AT&T underground conduit facilities only.
Signature valid for one year.

NO.	DATE	REVISION	APP.

ARDURRA
COLLABORATE. INNOVATE. CREATE.
3115 Allen Parkway, Suite 300
Houston, Texas 77019
www.ardurra.com
TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

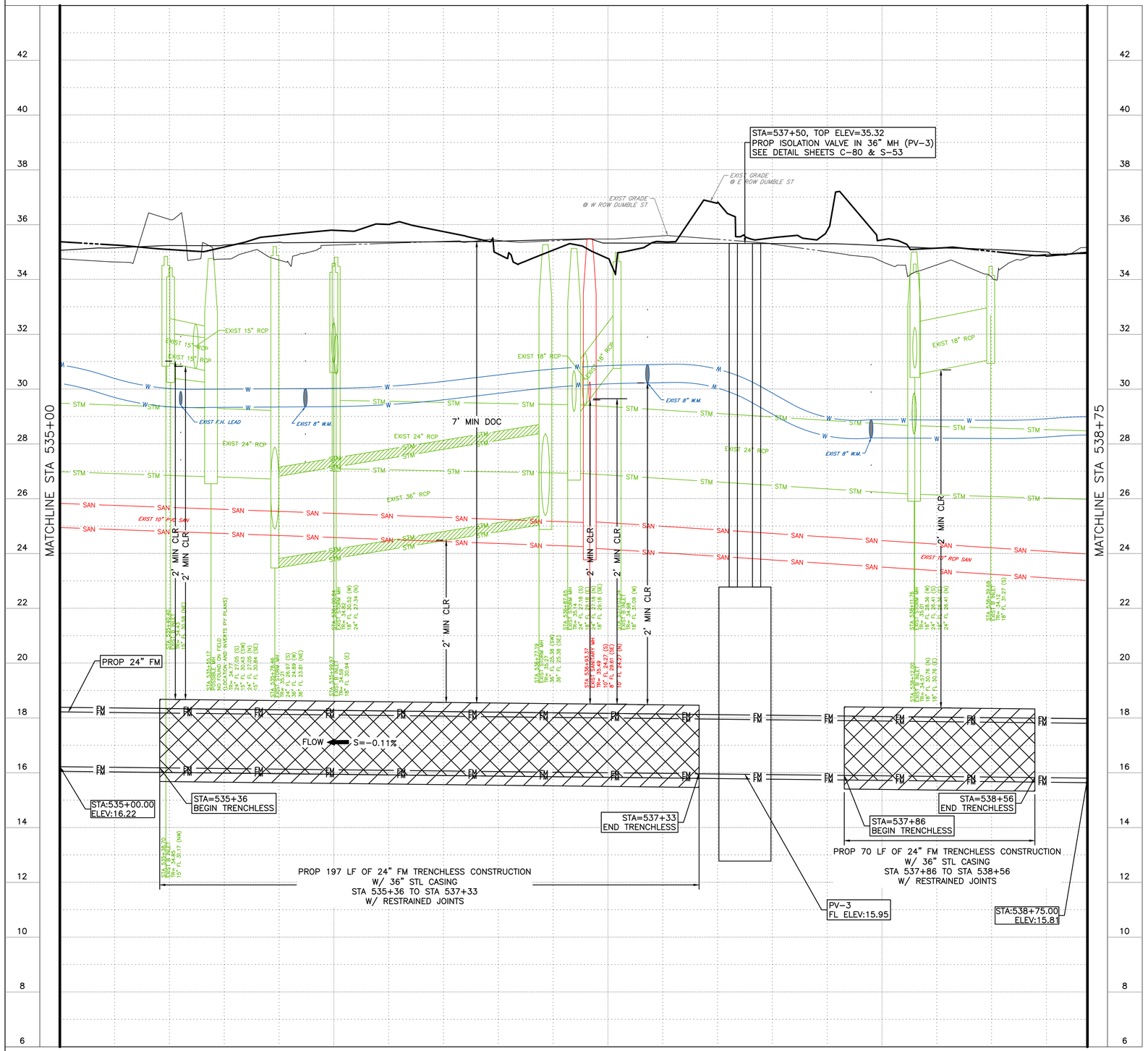
CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN
DUMBLE ST
STA 535+00 TO STA 538+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-27 OF C-84	

PLOTTED: 5/14/2026 5:39 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PP2.dwg



NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1-INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
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LOCATED ON SH 35 NORTH BOUND, +/-470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/-10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
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ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

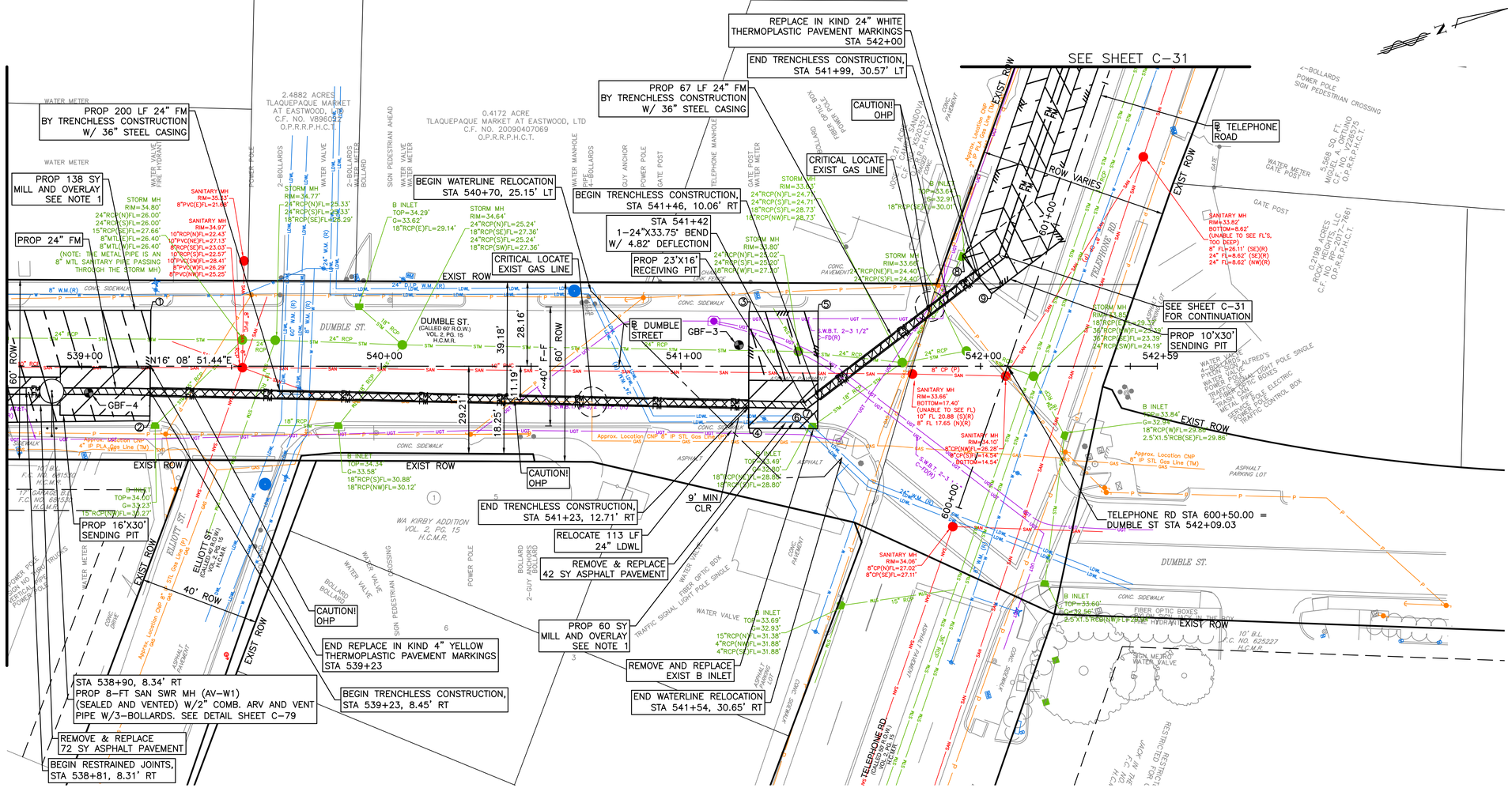
CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

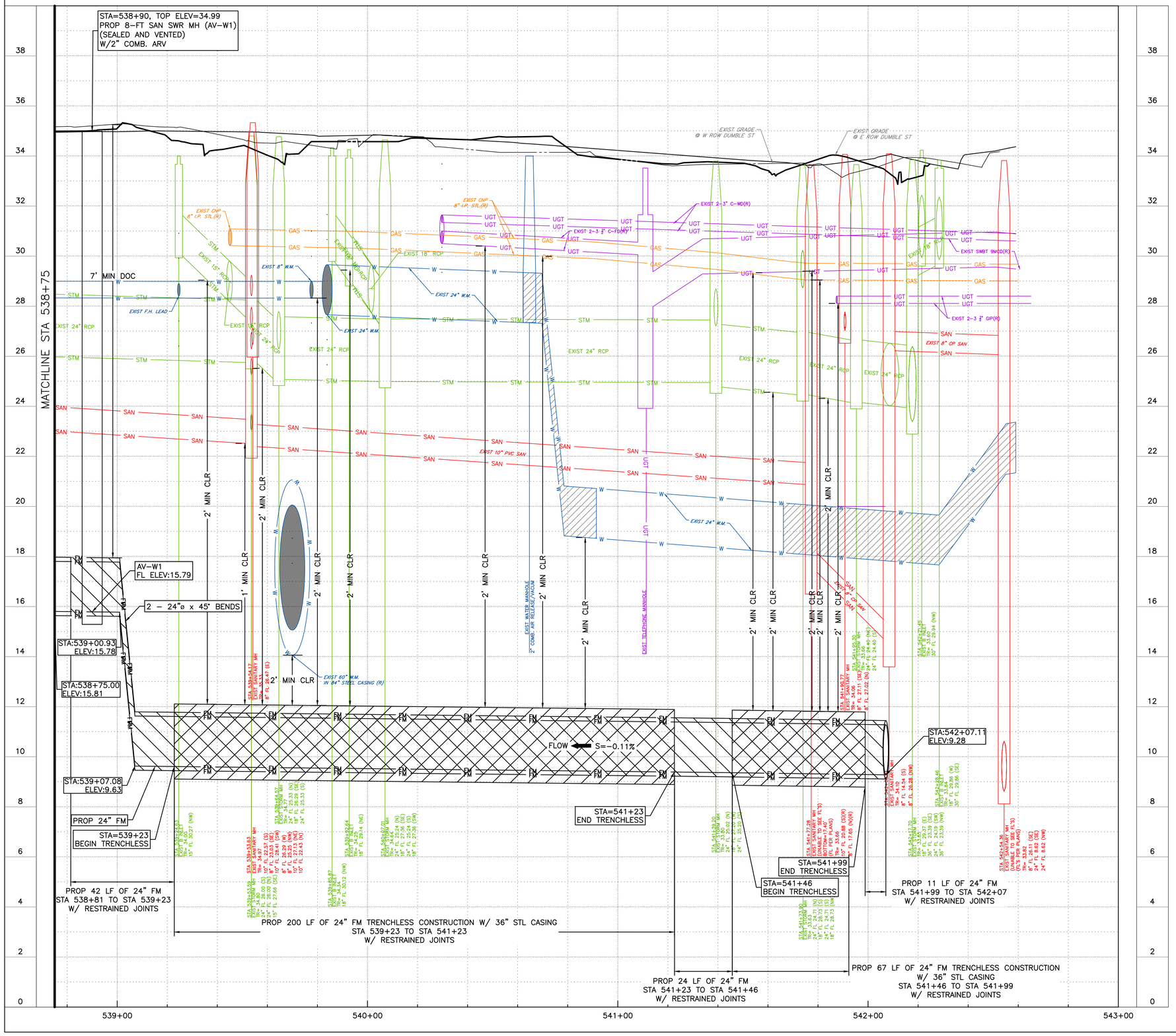
PROFILE
DUMBLE ST
STA 535+00 TO STA 538+75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-28 OF C-84	

PLOTTED: 5/14/2026 5:39 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PP2.dwg

OFFSET TABLE–DUMBLE STREET		
POINT NO.	STATION	OFFSET
1	539+23.05	18.64' LT
2	539+22.71	18.29' RT
3	541+22.72	18.25' LT
4	541+22.60	18.92' RT
5	541+45.80	18.41' LT
6	541+42.63	18.71' RT
7	541+45.67	18.78' RT
8	541+93.99	36.93' LT
9	542+03.71	24.22' LT


PROP 200 LF 24" FM BY TRENCHLESS CONSTRUCTION W/ 36" STEEL CASING
PROP 138 SY MILL AND OVERLAY SEE NOTE 1
PROP 24" FM
(NOTE: THE METAL PIPE IS AN 8" MTL SANITARY PIPE PASSING THROUGH THE STORM MH)
BEGIN WATERLINE RELOCATION STA 540+70, 25.15' LT
CRITICAL LOCATE EXIST GAS LINE
EXIST ROW
REPLACE IN KIND 24" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 542+00
END TRENCHLESS CONSTRUCTION, STA 541+99, 30.57' LT
PROP 67 LF 24" FM BY TRENCHLESS CONSTRUCTION W/ 36" STEEL CASING
CAUTION! OHP
CRITICAL LOCATE EXIST GAS LINE
BEGIN TRENCHLESS CONSTRUCTION, STA 541+46, 10.06' RT
STA 541+42 1–24"X33.75' BEND W/ 4.82' DEFLECTION
PROP 23'X16' RECEIVING PIT
SEE SHEET C–31
TELEPHONE ROAD
ROW VARIES
EXIST ROW
2.4882 ACRES TLAQUEPAQUE MARKET AT EASTWOOD, LTD C.F. NO. V896057 O.P.R.R.P.H.C.T.
0.4172 ACRE TLAQUEPAQUE MARKET AT EASTWOOD, LTD C.F. NO. 20090407069 O.P.R.R.P.H.C.T.
5.868 SQ. FT. MICHAEL A. ORTUNO C.F. NO. V228575 O.P.R.R.P.H.C.T.
0.2198 ACRES ROCK HEIGHTS, LLC C.F. NO. RP-2017-17861 O.P.R.R.P.H.C.T.
MATCHLINE STA 538+75
539+00
540+00
541+00
542+00
542+59
600+00
N16° 08' 51.44"E
DUMBLE ST.
(CALLED 60' R.O.W.) VOL. 2, PG. 15 H.C.M.R.
60' ROW
40' ROW
39.18'
28.16'
11.19'
~40' F-F
29.21'
18.25'
R DUMBLE STREET
GBF-3
GBF-4
PROP 10'X30' SENDING PIT
PROP 16'X30' SENDING PIT
TELEPHONE RD STA 600+50.00 = DUMBLE ST STA 542+09.03
SEE SHEET C–31 FOR CONTINUATION
END TRENCHLESS CONSTRUCTION, STA 541+23, 12.71' RT
RELOCATE 113 LF 24" LDWL
REMOVE & REPLACE 42 SY ASPHALT PAVEMENT
9' MIN CLR
CAUTION! OHP
PROP 60 SY MILL AND OVERLAY SEE NOTE 1
END REPLACE IN KIND 4" YELLOW THERMOPLASTIC PAVEMENT MARKINGS STA 539+23
REMOVE & REPLACE EXIST B INLET
END WATERLINE RELOCATION STA 541+54, 30.65' RT
BEGIN TRENCHLESS CONSTRUCTION, STA 539+23, 8.45' RT
STA 538+90, 8.34' RT
PROP 8–FT SAN SWR MH (AV–W1) (SEALED AND VENTED) W/2" COMB. ARV AND VENT PIPE W/3–BOLLARDS. SEE DETAIL SHEET C–79
REMOVE & REPLACE 72 SY ASPHALT PAVEMENT
BEGIN RESTRAINED JOINTS, STA 538+81, 8.31' RT
PROP 60' SY MILL AND OVERLAY SEE NOTE 1
REMOVE AND REPLACE EXIST B INLET
SANITARY MH RIM=34.80' 8"PVC(E)FL=21.65'
SANITARY MH RIM=34.97' 10"PVC(NE)FL=22.43' 10"PVC(NE)FL=27.13' 8"RCP(SE)FL=23.03' 10"PVC(SW)FL=22.57' 10"PVC(SW)FL=28.41' 8"PVC(W)FL=26.29' 8"PVC(NW)FL=25.25'
STORM MH RIM=34.80' 24"RCP(N)FL=26.00' 24"RCP(S)FL=26.00' 15"RCP(SE)FL=27.66' 8"MTL(E)FL=26.40' 8"MTL(W)FL=26.40'
STORM MH RIM=35.32' 8"PVC(E)FL=23.03' 10"RCP(SE)FL=22.57' 10"PVC(SW)FL=28.41' 8"PVC(W)FL=26.29' 8"PVC(NW)FL=25.29'
STORM MH RIM=34.77' 24"RCP(N)FL=25.33' 24"RCP(S)FL=25.33' 18"RCP(SE)FL=25.29'
STORM MH RIM=34.64' 24"RCP(N)FL=25.24' 18"RCP(SE)FL=27.36' 24"RCP(S)FL=25.24' 18"RCP(SW)FL=27.36'
STORM MH RIM=33.80' 24"RCP(N)FL=25.02' 24"RCP(S)FL=25.02' 18"RCP(W)FL=27.30'
STORM MH RIM=33.66' 24"RCP(N)FL=24.71' 24"RCP(S)FL=24.71' 18"RCP(S)FL=28.73' 18"RCP(NW)FL=28.73'
STORM MH RIM=33.66' 24"RCP(NE)FL=24.40' 24"RCP(S)FL=24.40'
STORM MH RIM=33.82' 18"RCP(E)FL=29.35' 36"RCP(W)FL=25.39' 36"RCP(SE)FL=23.39' 24"RCP(SW)FL=24.19'
SANITARY MH RIM=33.66' BOTTOM=17.40' (UNABLE TO SEE FL) 10" FL 20.88 (S)(R) 8" FL 17.65 (N)(R)
SANITARY MH RIM=34.10' 8"CP(N)FL=26.28' 8"CP(S)FL=14.54' BOTTOM=14.54'
SANITARY MH RIM=34.06' 8"CP(N)FL=27.02' 8"CP(SE)FL=27.11'
SANITARY MH RIM=33.82' BOTTOM=8.62' (UNABLE TO SEE FL'S, 700 DEEP) 8" FL=26.11' (SE)(R) 24" FL=8.62' (SE)(R) 24" FL=8.62' (NW)(R)
B INLET TOP=34.29' G=33.62' 18"RCP(E)FL=29.14'
B INLET TOP=34.34' G=33.58' 18"RCP(S)FL=30.88' 18"RCP(NW)FL=30.12'
B INLET TOP=34.00' G=33.23' 15"RCP(NW)FL=30.27'
B INLET TOP=33.49' G=32.80' 18"RCP(N)FL=28.80' 18"RCP(S)FL=28.80'
B INLET TOP=33.69' G=32.93' 15"RCP(N)FL=31.38' 4"RCP(NW)FL=31.88' 4"RCP(SE)FL=31.88'
B INLET TOP=33.84' G=32.94' 18"RCP(W)FL=29.86' 2.5'X1.5'RCB(SE)FL=29.86
B INLET TOP=33.60' G=32.56' 2.5'X1.5'RCB(W)FL=29.06'
B INLET TOP=32.91' G=30.01' 18"RCP(SE)FL=30.01'
WATER METER
WATER VALVE FIRE HYDRANT
2–BOLLARDS
SIGN PEDESTRIAN AHEAD
WATER VALVE WATER METER
WATER MANIFOLD 4–BOLLARDS
GUY ANCHOR
POWER POLE
GATE POST
TELEPHONE MANHOLE
GATE POST WATER METER
FIBER OPTIC BOX
POWER POLE GUY WIRE
CONC. PAVEMENT
CONC. SIDEWALK
ASPHALT
ASPHALT PARKING LOT
GATE
WATER METER GATE POST
←BOLLARDS POWER POLE SIGN PEDESTRIAN CROSSING
GATE POST
FIBER OPTIC BOXES
SIGN METRO WATER VALVE
TRAFFIC SIGNAL LIGHT POLE SINGLE
WATER VALVE
WATER MANIFOLD
WATER JACK 4–BOX PYBOX W/ PYBOX SIGNAL TIGHT POLE SINGLE WATER VALVE FIBER OPTIC BOXES TRAFFIC SIGNAL TRASH CAN METAL BIPOLE ELECTRIC SERVICE POLE ELECTRIC POWER POLE TRAFFIC CONTROL BOX
TELEPHONE RD (CALLED 60' R.O.W.) VOL. 2, PG. 15 H.C.M.R.
10' B.L. F.C. NO. 625227 H.C.M.R.
RESTRICTED FOR JACK M. THE F.C. NO. H.C.M.R.
WA KIRBY ADDITION VOL. 2, PG. 15 H.C.M.R.
17' B.L. F.C. NO. 689530 H.C.M.R.
10' B.L. F.C. NO. 691520 H.C.M.R.
ELLIOTT ST. (CALLED 40' R.O.W.) VOL. 2, PG. 15 H.C.M.R.
Approx. Location CNP 8" IP STL Gas Line (TM)
Approx. Location Gas 4" IP PLA Gas Line (TM)
Approx. Location Gas 6" IP STL Gas Line (TM)
Approx. Location CNP 8" IP STL Gas Line (TM)
Approx. Location Gas 8" IP STL Gas Line (TM)
Approx. Location Gas 4" IP STL Gas Line (TM)
Approx. Location Gas 6" IP STL Gas Line (TM)
Approx. Location Gas 4" IP STL Gas Line (TM)
Approx. Location Gas 4" IP PLA Gas Line (TM)
Approx. Location Gas 4" IP STL Gas Line (TM)
Approx. Location Gas 4" IP STL Gas Line (TM)
Approx. Location Gas 4" IP STL



NOTES:
1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1-INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
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ELEVATION=42.08'

0 20' 40'
SCALE: 1"=20'

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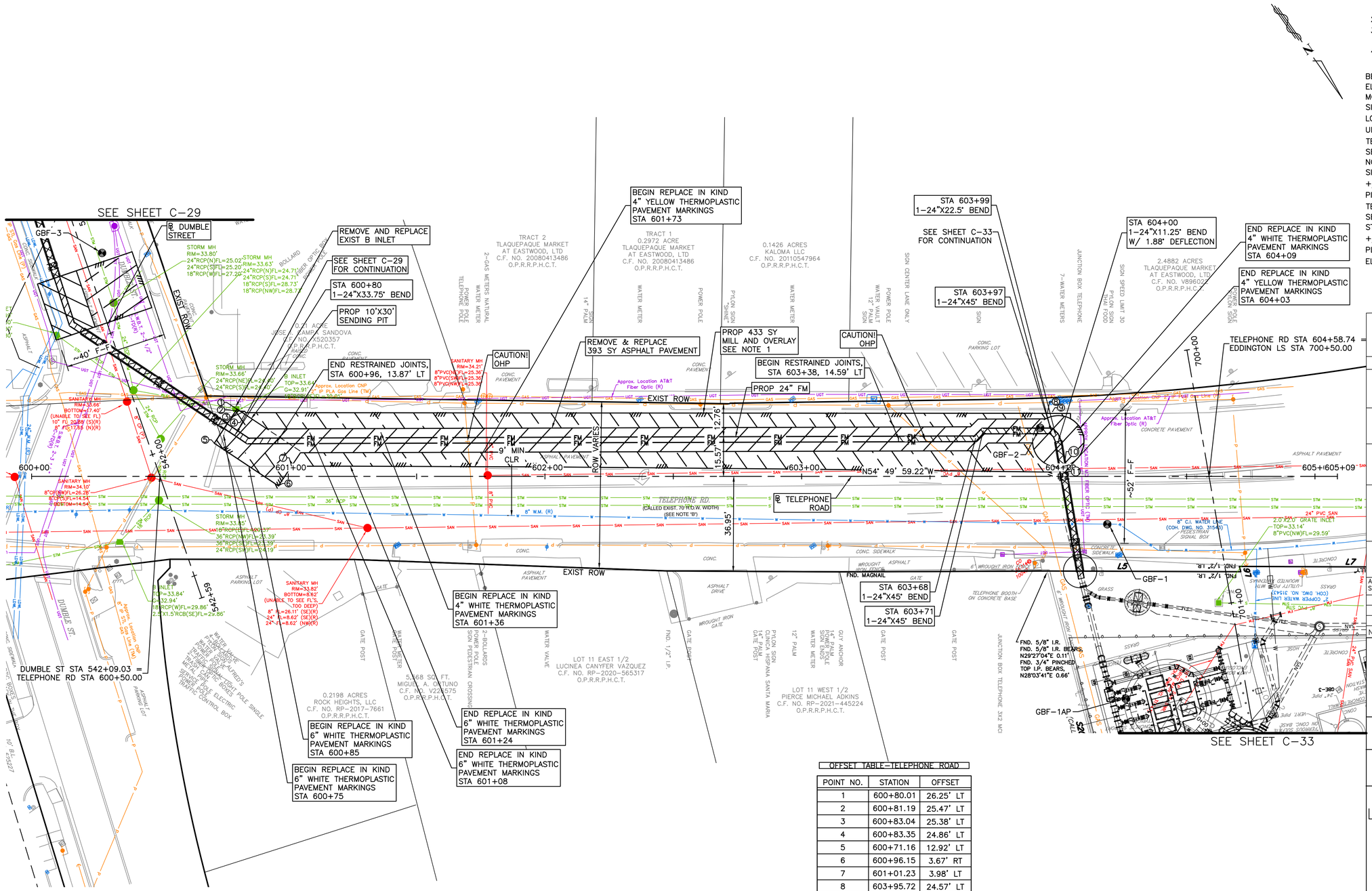
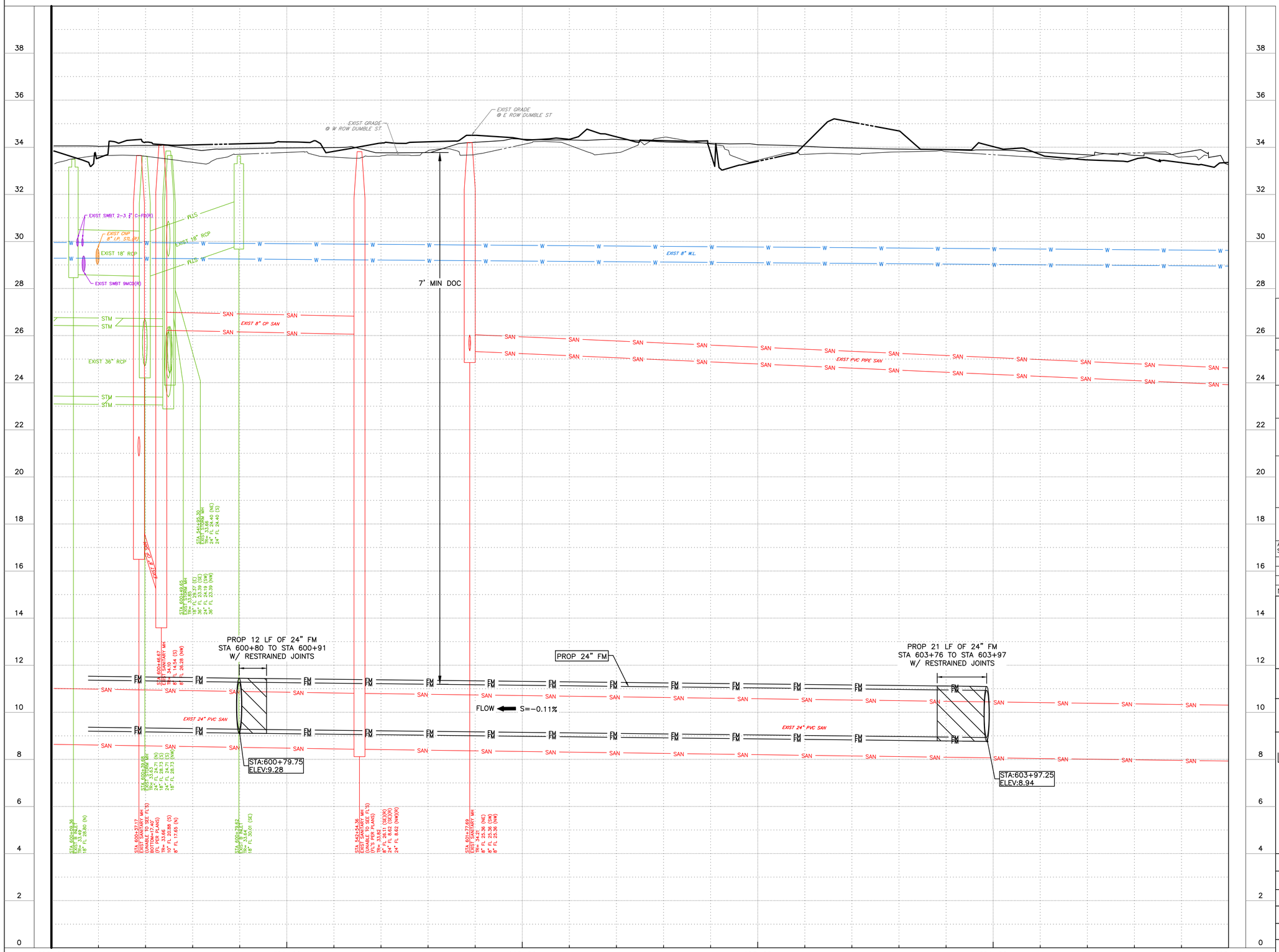
PROFILE
DUMBLE ST
STA 538+75 TO STA 543+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-30 OF C-84	

PLOTTED: 5/14/2026 5:39 PM
PLOT STYLE: 2025 COH.ctb
FILE PATH: C:\Users\dkehrer\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-PP2.dwg


SEE SHEET C-29
R DUMBLE STREET
GBF-3
REMOVE AND REPLACE EXIST B INLET
SEE SHEET C-29 FOR CONTINUATION
STA 600+80 1-24"X33.75' BEND
PROP 10'X30' SENDING PIT
END RESTRAINED JOINTS, STA 600+96, 13.87' LT
CAUTION! OHP
BEGIN REPLACE IN KIND 4" YELLOW THERMOPLASTIC PAVEMENT MARKINGS STA 601+73
REMOVE & REPLACE 393 SY ASPHALT PAVEMENT
PROP 433 SY MILL AND OVERLAY SEE NOTE 1
BEGIN RESTRAINED JOINTS, STA 603+38, 14.59' LT
PROP 24" FM
CAUTION! OHP
STA 603+99 1-24"X22.5' BEND
SEE SHEET C-33 FOR CONTINUATION
STA 603+97 1-24"X45' BEND
STA 604+00 1-24"X11.25' BEND W/ 1.88' DEFLECTION
END REPLACE IN KIND 4" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 604+09
END REPLACE IN KIND 4" YELLOW THERMOPLASTIC PAVEMENT MARKINGS STA 604+03
TELEPHONE RD STA 604+58.74 = EDDINGTON LS STA 700+50.00
TRACT 2 TLAQUEPAQUE MARKET AT EASTWOOD, LTD C.F. NO. 20080413486 O.P.R.R.P.H.C.T.
TRACT 1 0.2972 ACRE TLAQUEPAQUE MARKET AT EASTWOOD, LTD C.F. NO. 20080413486 O.P.R.R.P.H.C.T.
0.1426 ACRES KALOMA LLC C.F. NO. 20110547964 O.P.R.R.P.H.C.T.
2.4882 ACRES TLAQUEPAQUE MARKET AT EASTWOOD, LTD C.F. NO. V896022 O.P.R.R.P.H.C.T.
0.0241 ACRE MSE CAMPO SANDOVA C.F. NO. X520357 O.P.R.R.P.H.C.T.
EXIST ROW
EXIST ROW
9' MIN CLR
ROW VARIES
12.76'
15.57'
36.95'
R TELEPHONE ROAD
TELEPHONE RD. (CALLED EXIST. 70' R/D.W. WIDTH) (SEE NOTE "B")
N54° 49' 59.22"W
600+00
601+00
602+00
603+00
604+00
605+00
700+00
701+00
~40' F-F
~52' F-F
DUMBLE ST STA 542+09.03 = TELEPHONE RD STA 600+50.00
542+59
BEGIN REPLACE IN KIND 4" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 601+36
END REPLACE IN KIND 6" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 601+24
END REPLACE IN KIND 6" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 601+08
BEGIN REPLACE IN KIND 6" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 600+85
BEGIN REPLACE IN KIND 6" WHITE THERMOPLASTIC PAVEMENT MARKINGS STA 600+75
0.2198 ACRES ROCK HEIGHTS, LLC C.F. NO. RP-2017-7661 O.P.R.R.P.H.C.T.
5,368 SQ. FT. MIGUEL A. ORTUNO C.F. NO. V224575 O.P.R.R.P.H.C.T.
LOT 11 EAST 1/2 LUCINEA CANYFER VAZQUEZ C.F. NO. RP-2020-565317 O.P.R.R.P.H.C.T.
LOT 11 WEST 1/2 PIERCE MICHAEL ADKINS C.F. NO. RP-2021-445224 O.P.R.R.P.H.C.T.
FND. MAGNAIL
STA 603+68 1-24"X45' BEND
STA 603+71 1-24"X45' BEND
FND. 5/8" I.R. FND. 5/8" I.R. BEARS N29°27'04"E 0.11' FND. 3/4" PINCHED TOP I.P. BEARS N28°03'41"E 0.66'
GBF-1
GBF-1AP
GBF-2
SEE SHEET C-33
STORM MH RIM=33.80' 24"RCP(N)FL=25.02' 24"RCP(S)FL=25.20' 18"RCP(W)FL=27.20'
STORM MH RIM=33.63' 24"RCP(N)FL=24.77' 24"RCP(S)FL=24.71' 18"RCP(S)FL=28.73' 18"RCP(NW)FL=28.73'
STORM MH RIM=33.66' 24"RCP(NE)FL=24.20' 24"RCP(S)FL=24.40'
G INLET TOP=33.64' G=32.91' 18"RCP(W)FL=29.86' 2.5'X1.5'RCB(SE)FL=29.86'
SANITARY MH RIM=34.10' 8"CIP(NW)FL=26.28' 8"CIP(S)FL=14.54' 8"CIP(E)FL=14.54' BOTTOM=14.54'
SANITARY MH RIM=33.66' BOTTOM=17.40' (UNABLE TO SEE FL) 10" FL 20.89' (S)(R) 10" FL=17.85' (N)(R)
SANITARY MH RIM=34.21' 8"PVC(N)FL=25.36' 8"PVC(S)FL=25.36' 8"PVC(W)FL=25.36'
SANITARY MH RIM=33.45' 8"RCP(E)FL=29.57' 36"RCP(NW)FL=25.39' 36"RCP(SE)FL=25.39' 24"RCP(SW)FL=24.19'
SANITARY MH RIM=33.82' BOTTOM=8.62' (UNABLE TO SEE FLS. 700 DEEP) 8" FL=26.11' (SE)(R) 24" FL=8.62' (SE)(R) 24" FL=8.62' (NW)(R)
24" PVC SAN
2.0'X2.0' GRATE INLET TOP=33.14' 8"PVC(NW)FL=29.59'
8" C.I. WATER LINE (COH. DWG. NO. 31540)
Approx. Location CNP 8" STL Gas Line (TM)
Approx. Location CNP 12" HP PLA Gas Line (TM)
Approx. Location AT&T Fiber Optic (R)
Approx. Location AT&T Fiber Optic (R)
Approx. Location CNP 8" HP PLA Gas Line (TM)
CONCRETE PAVEMENT
ASPHALT PAVEMENT
CONC. PAVEMENT
CONC. SIDEWALK
CONC. PARKING LOT
ASPHALT DRIVE
ASPHALT PARKING LOT
GRASS
GATE
GATE POST
GATE POST
GATE
FND. 1/2" I.P.
WATER METER
WATER VALVE
WATER METER
WATER METER
WATER METER
WATER VALVE VAULT
JUNCTION BOX TELEPHONE
7-WATER METERS
TELEPHONE BOOTH ON CONCRETE BASE
JUNCTION BOX TELEPHONE 3X2 MCI
POWER POLE
POWER POLE
POWER POLE
POWER POLE
2-GAS METERS NATURAL
TELEPHONE POLE
SIGN
SIGN
SIGN
SIGN
SIGN
SIGN
SIGN
SIGN
14" PALM
12" PALM
12" PALM
14" PALM
PYLON SIGN "SHINE"
PYLON SIGN THAI FOOD
PYLON SIGN
SIGN CENTER LANE ONLY
SIGN SPEED LIMIT 30
SIGN END
SIGN END
GUY ANCHOR
2-BOLLARDS
2-BOLLARDS
BOLLARD
FIBER OPTIC BOX
FIBER OPTIC PEDESTAL
WATER METER
WATER METER
WATER METER



NOTES:

1. CONTRACTOR TO CLEAN AND SEAL PAVEMENT JOINT SEPARATIONS GREATER THAN 1–INCH WITH FIBERCRETE (OR EQUAL).
2. ADJUST ALL MANHOLES TO PAVEMENT FINAL GRADE.
3. ONLY 150' OF OPEN CUT SHALL BE EXPOSED AT ANY GIVEN TIME.
4. CONTRACTOR SHALL LEAVE AT LEAST ONE LANE THROUGH THE WORK ZONE EACH NIGHT.

BENCHMARK:
ELEVATIONS ARE BASED ON CITY OF HOUSTON SITE CONTROL MONUMENT.
SITE CONTROL MONUMENT 5455–8415:
LOCATED ON SH 35 NORTH BOUND, +/–470' NORTH OF UNIVERSITY DR, ELEVATION=37.40'
TBM "V":
SET SCRIBED BOX ON TOP OF A HEADWALL LOCATED AT THE NORTHEAST CORNER OF THE EFFLUENT STRUCTURE, WHICH IS SITUATED IN THE SOUTHERN CORNER OF THE PROPERTY. +/–10 FEET EAST OF A 66 INCH REINFORCED CONCRETE PIPE.(AS SHOWN ON SURVEY), ELEVATION=39.79'
TBM "X":
SET SCRIBED BOX ON TOP OF THE EAST NOSE OF A PUMP STATION, LOCATED IN THE NORTHWEST AREA OF THE PROPERTY. +/–200 FEET SOUTHWEST OF THE MAIN ENTRANCE TO THE PLANT.(AS SHOWN ON SURVEY)
ELEVATION=42.08'

0 20' 40'

SCALE: 1"=20'

NOTICE:

FOR YOUR SAFETY, YOU ARE REQUIRED BY TEXAS LAW TO CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG SO THAT UNDERGROUND LINES CAN BE MARKED. THIS SIGNATURE DOES NOT FULFILL YOUR OBLIGATION TO CALL 811

VERIFICATION OF PRIVATE UTILITY LINES

Date

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Date

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NO.	DATE	REVISION	APP.

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Houston, Texas 77019
www.ardurra.com
TBPE Registration Number: F-10053

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P–6416

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PROFILE
TELEPHONE RD
STA 600+00 TO STA 605+00

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C–32 OF C–84	

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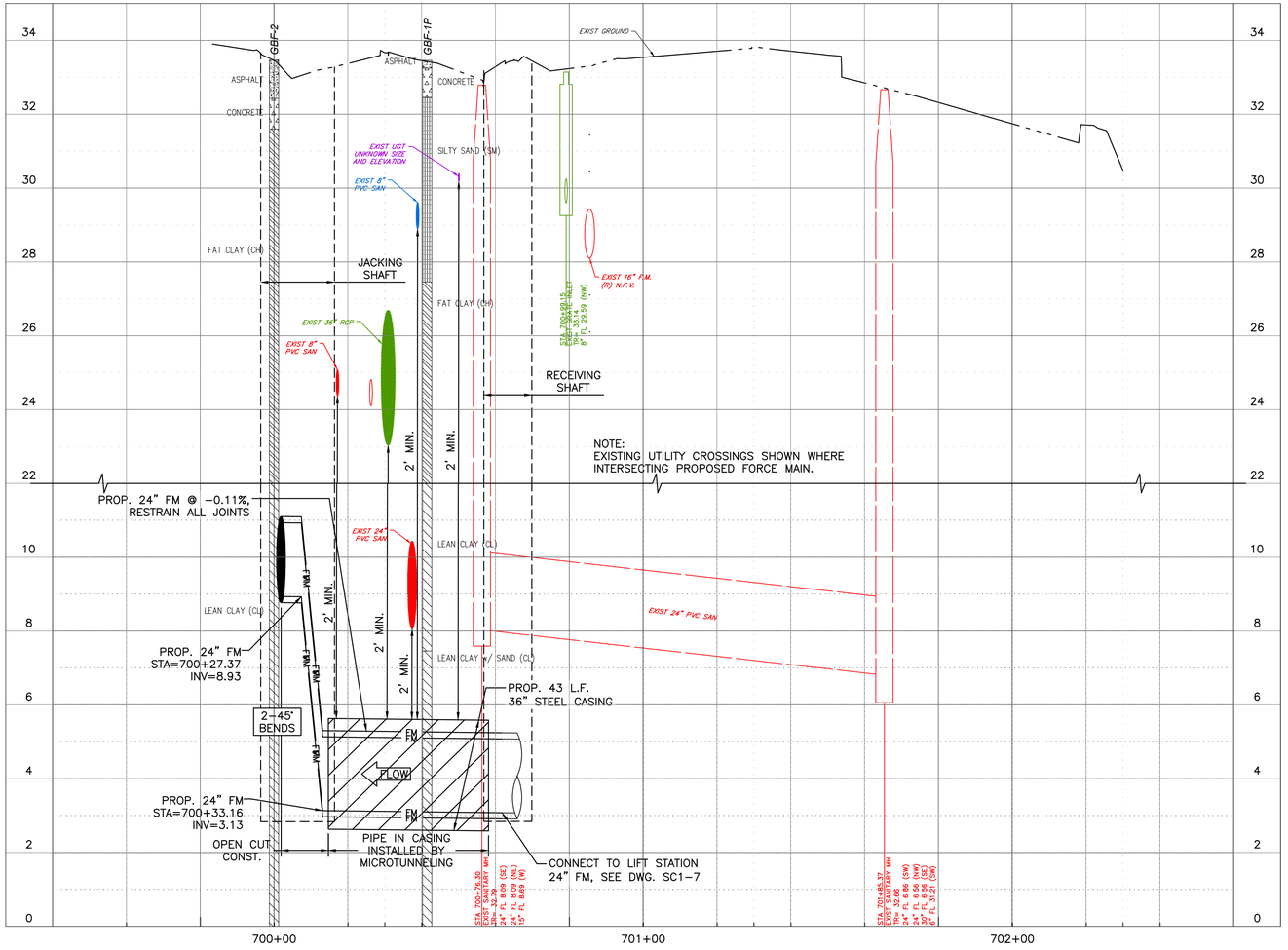

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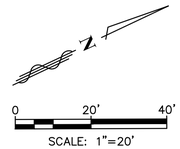
ELEVATION=42.08'



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NO.	DATE	REVISION	APP.
B	4/24/26	90% REVIEW	MS
A	2/9/26	60% REVIEW	MS

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TBPE FIRM REGISTRATION NO. 8008

90% SUBMITTAL

THIS DOCUMENT IS RELEASED FOR THE PURPOSES OF INTERIM REVIEW UNDER THE AUTHORITY OF

MONICA PATRICIA SUAREZ, P.E.
#99458
4/24/2026

THIS DOCUMENT IS NOT INTENDED FOR BIDDING, PERMITTING AND/OR CONSTRUCTION PURPOSES

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
EDDINGTON ST
STA 700+00 TO STA 702+76

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-33 OF C-84	

PLOTTED: 4/28/2026 9:17 AM
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STYLE: COH.ctb

NOTES:
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5. BORING GBF–10 NOT SURVEYED, LOCATION IS APPROXIMATE.

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
DUMBLE ST
STA 507+00 TO STA 512+00

WBS NUMBER	R–001000–0035–4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO.	C-19 OF C-84

FOR CITY OF HOUSTON USE ONLY

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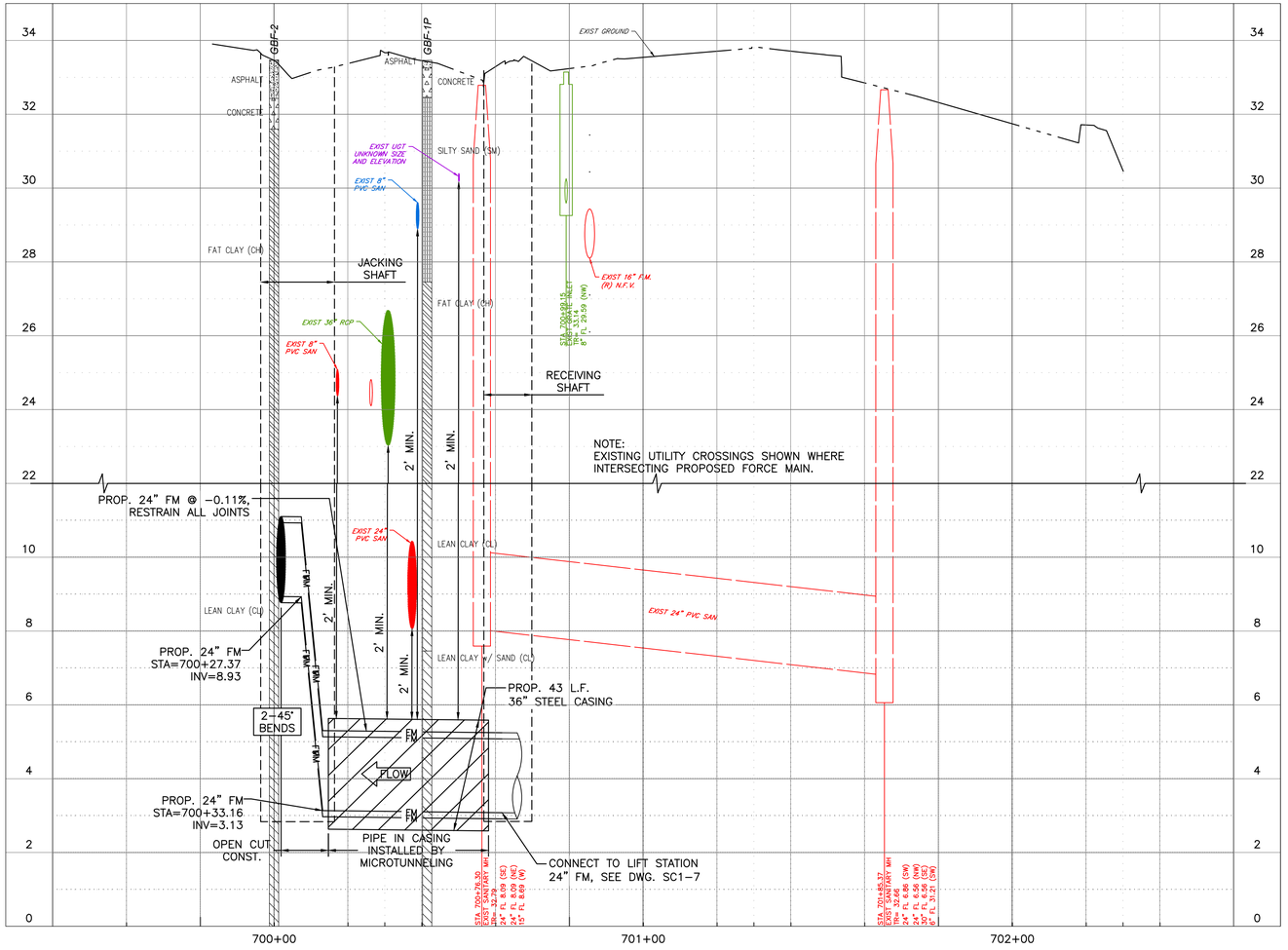

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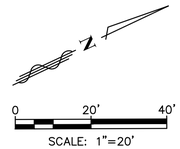

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SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

PLAN & PROFILE
EDDINGTON ST
STA 700+00 TO STA 702+76

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. C-33 OF C-84	

PLOTTED: 4/28/2026 9:17 AM
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90% SUBMITTAL

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GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITIH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
2. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM THE LATEST VERSION OF THE TMUTCD.
3. NO LANES SHALL BE CLOSED DURING THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY WITHOUT APPROVAL OF THE CITY TRAFFIC ENGINEER.
4. NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00 PM TO 7:00 AM.
5. CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF THROUGH LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE-WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO ALL THE BUS STOPS.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC LANES AND DETOURS ACCORDING TO TRAFFIC CONTROL PLANS DURING WORKING HOURS.
7. CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, AND OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBLE.
8. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF "TRAFFIC CONTROL PLANS" DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT AN ALTERNATE SET OF TRAFFIC CONTROL PLANS TO THE CITY OF HOUSTON PROJECT MANAGER FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION. THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SHALL BE SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. OFFICE OF CITY ENGINEER, MOBILITY PERMITS SECTION REPRESENTATIVE APPROVAL IS REQUIRED TO ACCEPT THE PROPOSED CHANGES.
9. CONTRACTOR SHALL SECURE LANE/SIDEWALK/BICYCLE FACILITY CLOSURE PERMITS FROM OFFICE OF CITY ENGINEER (MOBILITY PERMIT SECTION AT https://geohub.houstontx.gov) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN DAYS PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
10. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB SITE FOR INSPECTION AT ALL TIMES.
11. DURING PAVEMENT SURFACE RESTORATION PROJECTS; THE CONTRACTOR SHALL NOT OPEN CLOSED LANES UNTIL THE PAVEMENT SURFACE HAS CURED ENOUGH TO ALLOW VEHICULAR TRAFFIC ACCORDING TO CITY OF HOUSTON STANDARD SPECIFICATIONS.
12. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL CONSTRUCTION ACTIVITIES WITH STAKE HOLDERS IN THE VICINITY INCLUDING EMERGENCY RESPONSE AGENCIES SUCH AS HOUSTON POLICE DEPARTMENT, HOUSTON FIRE DEPARTMENT, AND METROPOLITAN TRANSIT AUTHORITY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ISSUING ALL WORK DIRECTIVES TO ALL SUB-CONTRACTORS, UTILITY COMPANIES, AND ALL OTHER ENTITIES PERFORMING CONSTRUCTION WORK ASSOCIATED WITH THE PROJECT.
14. NOTHING IN THESE NOTES OR PLANS SHALL RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT; INCLUDING SAFETY OF ALL MODES OF TRANSPORTATION, PERSONS, AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
15. THE OFFICE OF CITY ENGINEER (MOBILITY PERMITS GROUP) PER THE DIRECTION OF THE CITY TRAFFIC ENGINEER HAVE THE RIGHT TO DEMAND THE INSTALLATION OF ADDITIONAL TRAFFIC CONTROL DEVICES OR MODIFICATIONS OF THESE PLANS AND NOTES, AS DEEMED NECESSARY TO PROMOTE THE SAFE AND ORDERLY FLOW OF TRAFFIC, INCLUDING PEDESTRIANS AND BICYCLES, THROUGH THE CONSTRUCTION WORK ZONE. THE CONTRACTOR SHALL COMPLY WITH THESE ADDITIONAL REQUESTS OR MODIFICATIONS WITH DUE DILIGENCE.
16. ALL EXISTING TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED IN VISIBLE LOCATIONS DURING CONSTRUCTION UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER. THE CONTRACTOR SHALL RESTORE OR REPLACE (AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER) ANY PAVEMENT MARKING OR SIGNING DAMAGE DURING CONSTRUCTION OPERATIONS, INCLUDING RAISED PAVEMENT MARKERS (RPMS).
17. WHEN ENTERING OR LEAVING ROADWAYS CARRYING PUBLIC TRAFFIC, THE CONTRACTOR'S EQUIPMENT, WHETHER EMPTY OR LOADED SHALL IN ALL CASES YIELD TO PUBLIC TRAFFIC WITH THE ASSISTANCE OF CONTRACTOR PROVIDED CERTIFIED FLAGGER/PEACE OFFICER.
18. ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAYS, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER.
19. SPILLAGE RESULTING FROM HAULING OPERATIONS ALONG OR ACROSS ANY PUBLIC TRAVELED WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
20. THE CONTRACTOR SHALL SUBMIT AN APPLICATION FOR TEMPORARY PARKING RESTRICTIONS IF THERE ARE PARKING METERS LOCATED AT THE PROPOSED LANE CLOSURES FROM PARKING MANAGEMENT DIVISION (832-393-8690) AT LEAST TEN BUSINESS DAYS BEFORE IMPLEMENTATION OF LANE CLOSURES. IN ADDITION, TEMPORARY NO PARKING SIGNS SHALL BE POSTED 24 HOURS PRIOR TO COMMENCEMENT OF WORK.
21. ADDITIONAL OFF DUTY OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DISCRETION OF THE CITY PROJECT MANAGER EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.
22. THE CONTRACTOR SHALL REPLACE WITHIN 72 HOURS, ALL TRAFFIC SIGNAL LOOP DETECTORS DAMAGED DURING CONSTRUCTION.
23. IN GENERAL, A SOLAR POWERED FLASHING ARROW BOARD SHALL BE REQUIRED ON ALL MAJOR THOROUGHFARE LANES CLOSURES. EXCEPTIONS TO FLASHING ARROW BOARDS AND/OR IMPLEMENTATION ON RESIDENTIAL LANE CLOSURES SHALL BE APPROVED BY CITY TRAFFIC ENGINEER.
24. APPROVED TRAFFIC CONTROL PLAN SHALL BE IN PLACE BEFORE STARTING ANY EXCAVATION.
25. WATER FILLED BARRIERS CAN BE USED AS INSTRUCTED BY THE ENGINEER AND APPROVED BY THE CITY FOR PROJECTS WHERE SPACE IS LIMITED AND HEAVY EQUIPMENT TO PLACE CONCRETE BARRIERS IS NOT FEASIBLE. WATER FILLED BARRIERS SHALL NOT BE USED ON ROADWAYS WITH A POSTED SPEED LIMIT MORE THAN 45 MPH.
26. WATER FILLED BARRIERS MUST BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S REQUIREMENTS AND ROUTINELY INSPECTED FOR DEFECTS.
27. IF WATER FILLED BARRIER IS PROVIDED, USE ENVIRONMENTALLY SAFE ANTI-FREEZING AGENT IN THE WATER WHEN IT IS APPLICABLE PER MANUFACTURER SPECIFICATIONS AND RECOVER AGENT WHEN THE BARRIER IS DRAINED.
28. DISPOSE OF WATER AND AGENT PROPERLY. DO NOT DRAIN WATER FILLED BARRIER INTO OR ACROSS AN EXISTING TRAVEL LANE.
29. PROVIDE BARRIER UNITS THAT ARE CAPABLE OF BEING LIFTED AND MOVED WHEN FILLED IF DRAINING IS NOT POSSIBLE.
30. PROVIDE WATER FILLED BARRIER THAT ACTS AS ITS OWN FREE STANDING, NON-REDIRECTIVE END TREATMENT.
31. WHEN WATER FILLED BARRIERS ARE USED TO CHANNELIZE PEDESTRIANS, THEY MUST HAVE A CONTINUOUS DETECTABLE BOTTOM FOR USERS OF LONG CANES AND THE TOP OF THE UNIT SHALL NOT BE LESS THAN 32 INCHES IN HEIGHT.
32. ANY CLOSURE OF A PEDESTRIAN OR BICYCLE FACILITY SHALL REQUIRE THE SHORTEST DETOUR THAT MAINTAINS THE SAFETY OF PEDESTRIAN AND/OR BICYCLISTS.

SPACING FOR CHANNELIZING DEVICES

A. PLASTIC DRUMS ON MERGING TAPER @ 30' C – C WITH CHEVRON SIGN @ 60' C – C AND WARNING LIGHTS FOR OVERNIGHT CLOSURE.

B. PLASTIC DRUMS ON DOWNSTREAM TAPER @ 30' C – C (RETURN TAPER AND BARRICADE ARE OPTIONAL AND DIVIDED ROADWAY SECTION)

C. PLASTIC DRUMS ON RADII @ 35' C –C.

D. PLASTIC DRUMS ON TANGENT @ 35' C – C WITH VERTICAL PANEL AT 70' C – C AND APPROVED WARNING LIGHT @ 70' C – C (FOR OVERNIGHT CLOSURE).

E. PLASTIC DRUMS IN FRONT OF CONSTRUCTION ZONE @ 20' C – C WITH VERTICAL PANEL AT 40' C – C AND APPROVED WARNING LIGHT @ 40' C – C (FOR OVERNIGHT CLOSURE).

F. CONCRETE TRAFFIC BARRIER (CTB) OR LOW PROFILE CONCRETE TRAFFIC BARRIER (LPCTB) WITH APPROVED REFLECTORS @ 10' C – C IF PAVEMENT DROP IS GREATER THAN 1 FOOT.

G. PLASTIC DRUMS W/GUARD RAIL MOUNTED.

H. SELF- RIGHTING VERTICAL PANEL SPACING.
- 4 LANES TO 2 LANES UNDIVIDED ROADWAY SECTION @ 20' C – C.
- 4 LANES DIVIDED ROADWAY TO ONE SIDE TWO WAY ROADWAY @ 20' C – C.
- LEFT LANE AND RIGHT LANE STORAGE BAYS @ 15' C – C.

I. SPACING SHOWN ON TRAFFIC CONTROL SHALL SUPERSEDE THE ABOVE SPACING.

J. SPACING MAY BE ADJUSTED TO PROVIDE DRIVEWAYS, INTERSECTIONS AND /OR MEDIAN OPENINGS.

TABLE C3 – TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES

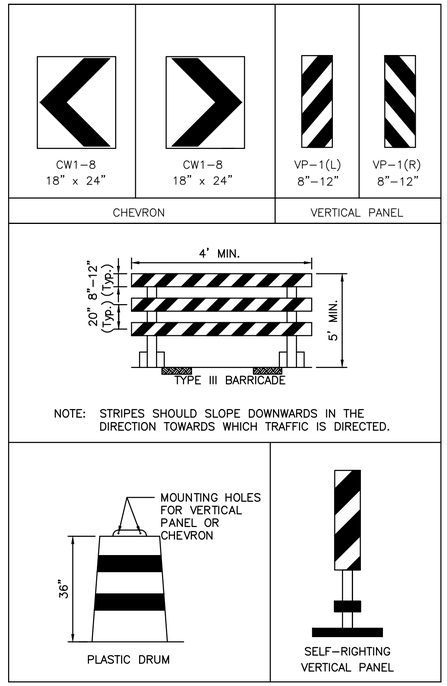
POSTED SPEED (MPH)	SIGN SPACING "X" (FEET)	MIN. DESIRABLE TAPER LENGTH "L"			SUGGESTED MAXIMUM SPACING OF DEVICE	
		10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT
30	120'	150'	165'	180'	30'	60'–75'
~~35~~	~~160'~~	~~205'~~	~~225'~~	~~245'~~	~~35'~~	~~70'–90'~~
~~40~~	~~240'~~	~~265'~~	~~295'~~	~~320'~~	~~40'~~	~~80'–100'~~
~~45~~	~~320'~~	~~450'~~	~~495'~~	~~540'~~	~~45'~~	~~90'–110'~~
~~50~~	~~400'~~	~~500'~~	~~550'~~	~~600'~~	~~50'~~	~~100'–125'~~
~~55~~	~~500'~~	~~550'~~	~~605'~~	~~660'~~	~~55'~~	~~110'–140'~~

TABLE C4 – STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

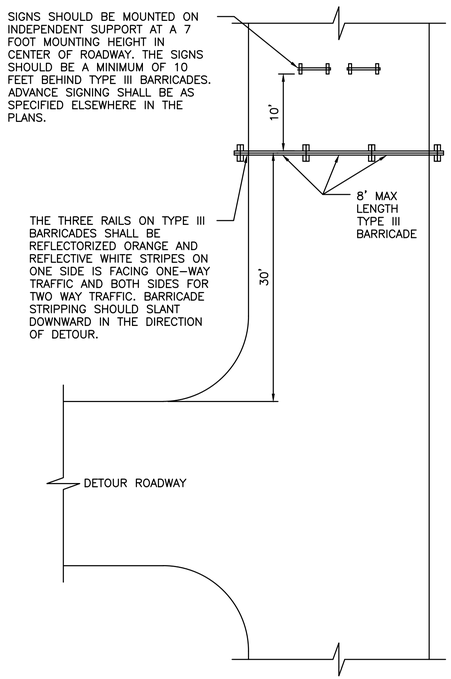
POSTED SPEED (MPH)	DISTANCE "D" (FEET)
30	200
~~35~~	~~250~~
~~40~~	~~305~~
~~45~~	~~360~~
~~50~~	~~425~~
~~55~~	~~495~~

SITE SPECIFIC NOTES

1. A UNIFORMED PEACE OFFICER SHALL DIRECT TRAFFIC DURING INTERSECTION CONSTRUCTION.
2. CONTRACTOR SHALL COORDINATE WITH RESIDENTS AND COMMERCIAL BUSINESS OWNERS FOR THE CONSTRUCTION ALONG STREETS.
3. NO CONSECUTIVE CROSS STREETS SHALL BE CLOSED AT SAME TIME.
4. DO NOT BLOCK INTERSECTIONS OR DRIVEWAYS WITH ANY CHANNELIZING DEVICE.
5. TWO ADJACENT CROSS STREETS CANNOT BE CONVERTED INTO ONE-WAY AT THE SAME TIME FOR CONSTRUCTION.
6. CONSTRUCTION SHOULD BE LIMITED TO 1 BLOCK OR 300' OR AS DIRECTED BY CITY ENGINEER.
7. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH ANCHORED STEEL PLATES DURING NON WORKING HOURS, AND OPEN LANES FOR NORMAL TRAFFIC FLOW.



CHANNELIZATION AND BARRICADES



PLAN VIEW
TYPE III BARRICADE (POST AND SKID)
TYPICAL APPLICATION

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-34

ARDURRA
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Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
GENERAL NOTES

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 49 OF 403	

90% SUBMITTAL

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CONSTRUCTION NARRATIVE

STARWAY ST:

1. CLOSE STARWAY ST USING THE TYPICAL TCP-01.
2. ALLOW TRAFFIC FLOW USING FLAGGER OPERATION.
3. CONSTRUCT THE FORCE MAIN.
4. REMOVE ALL THE TRAFFIC CONTROL DEVICES AND RESTORE 2-WAY OPERATION.

CANADA DRY ST:

1. CLOSE STARWAY ST AND CANADA DRY ST USING THE TYPICAL TCP-01.
2. ALLOW TRAFFIC FLOW USING FLAGGER OPERATION.
3. CONSTRUCT THE FORCE MAIN.
4. REMOVE ALL THE TRAFFIC CONTROL DEVICES AND RESTORE 2-WAY OPERATION.

VAUGHN ST:

1. CLOSE CANADA DRY ST AND VAUGHN ST USING THE TYPICAL TCP-02 DETAIL.
2. ALLOW TRAFFIC FLOW USING FLAGGER OPERATION.
3. CONSTRUCT THE FORCE MAIN.
4. REMOVE ALL THE TRAFFIC CONTROL DEVICES AND RESTORE 2-WAY OPERATION.

ELEANOR TINSLEY WAY:

1. CLOSE VAUGHN ST AND ELEANOR TINSLEY WAY USING THE TYPICAL TCP-01 DETAIL.
2. ALLOW TRAFFIC FLOW USING FLAGGER OPERATION.
3. CONSTRUCT THE FORCE MAIN AT THE INTERSECTION.
4. CLOSE ELEANOR TINSLEY WAY FROM STA 503+00 TO 508+00 USING TYPICAL TCP-01.
5. ALLOW ONLY NORTHBOUND TRAFFIC TOWARDS IH 45 AND CONSTRUCT THE FORCE MAIN.
6. USE DETOUR – 01 FOR DETOURING THE SOUTHBOUND TRAFFIC ALONG ELEANOR TINSLEY WAY.
7. REMOVE ALL THE TRAFFIC CONTROL DEVICES AND RESTORE 2-WAY OPERATION.

DUMBLE ST:

1. CLOSE DUMBLE ST FROM IH 45 NORTHBOUND FRONTAGE RD TO LOMBARDY ST.
2. CONSTRUCT THE FORCE MAIN AT THE INTERSECTION.
3. USE DETOUR – 02 FOR DETOURING THE TRAFFIC.
4. REMOVE THE WORKZONE AND RESTORE TRAFFIC.

PHASE IA:

1. CLOSE SOUTHBOUND LANE FROM LOMBARDY ST TO FOURCADE ST ALONG DUMBLE ST.
2. CONSTRUCT THE FORCE MAIN USING ROLLING OPERATION.
3. ALLOW NORTHBOUND TRAFFIC AND DETOUR THE SOUTHBOUND TRAFFIC USING DETOUR – 03.
4. REMOVE WORKZONE AND RESTORE TRAFFIC FLOW.

PHASE IB:

1. CLOSE NORTHBOUND LANE FROM FOURCADE ST TO TELEPHONE RD ALONG DUMBLE ST.
2. CONSTRUCT THE FORCE MAIN USING ROLLING OPERATION.
3. ALLOW SOUTHBOUND TRAFFIC AND DETOUR THE NORTHBOUND TRAFFIC USING DETOUR – 03.
4. REMOVE WORKZONE AND RESTORE TRAFFIC FLOW.

TELEPHONE RD:

1. CLOSE BOTH THE EASTBOUND LANES ALONG TELEPHONE RD AS SHOWN ON THE PLANS.
2. REFER TO TEMPORARY SIGNAL PLANS (TO BE DEVELOPED UPON CITY'S APPROVAL).
3. CONSTRUCT THE FORCE MAIN.
4. REMOVE WORKZONE AND RESTORE TRAFFIC FLOW.

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Houston, Texas 77019
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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
CONSTRUCTION NARRATIVE

WARNING
0 1
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DWG NO
C-35

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	N/A
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 50	OF 403

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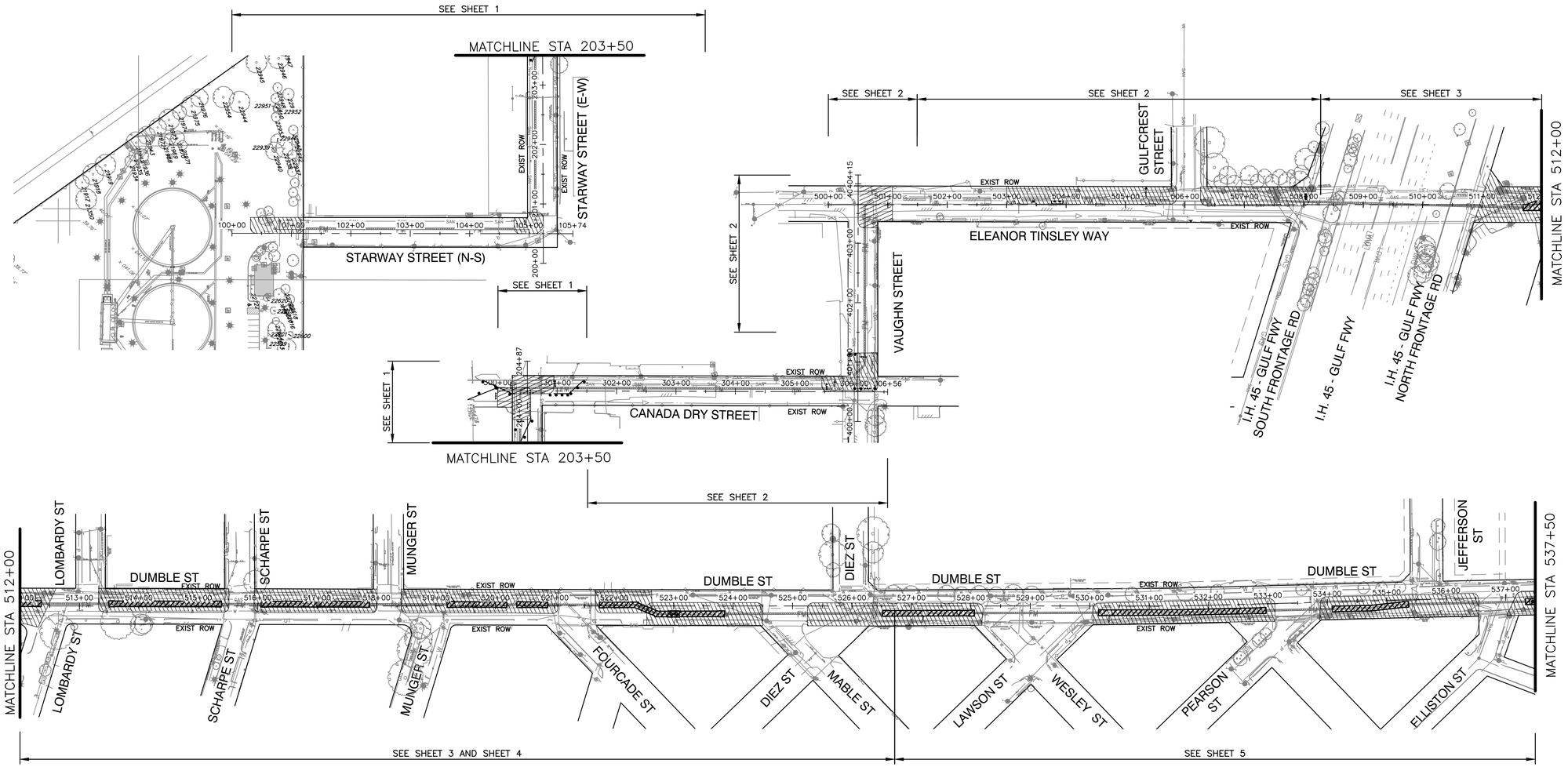

LEGEND

PHASE 1A

PHASE 1B

STREET NAMES	SPEED LIMIT
STARWAY STREET	30 MPH
CANADA DRY ST	30 MPH
VAUGHN STREET	30 MPH
ELEANOR TINSLEY WAY	30 MPH
IH-45 – SB FRONTAGE	40 MPH
S LOCKWOOD DR	35 MPH
DUMBLE ST	30 MPH
TELEPHONE RD	30 MPH
BROADMOOR ST	40 MPH
IH-45 – NB FRONTAGE	40 MPH

0 100' 200'

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RUDRARADHYA S. HIREMATH, P.E.

P.E. SERIAL NO. 135854

DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN OVERALL LAYOUT

WARNING

0 1

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DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 51 OF 403	

DWG NO

C-36

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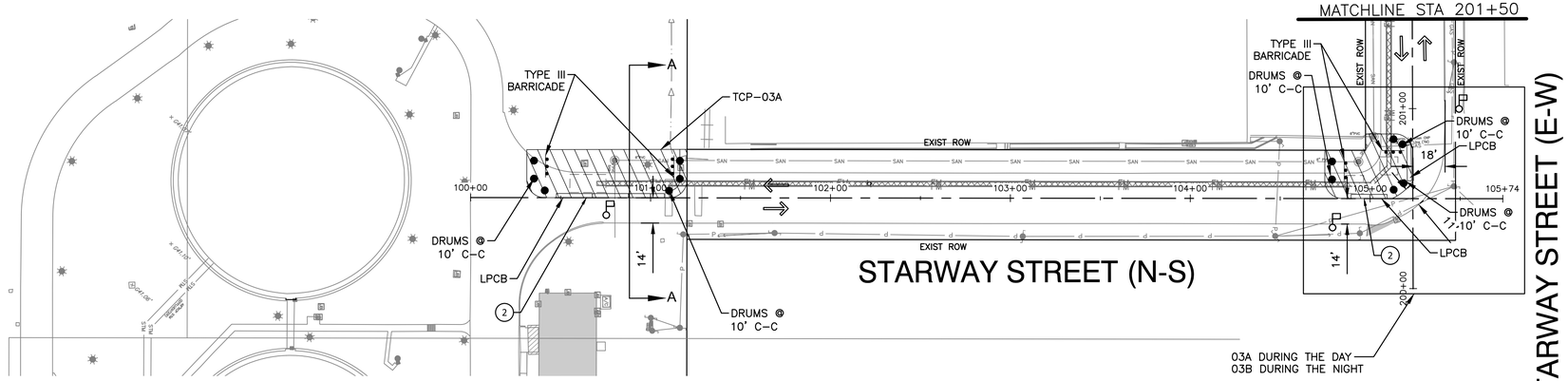
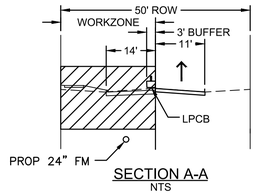
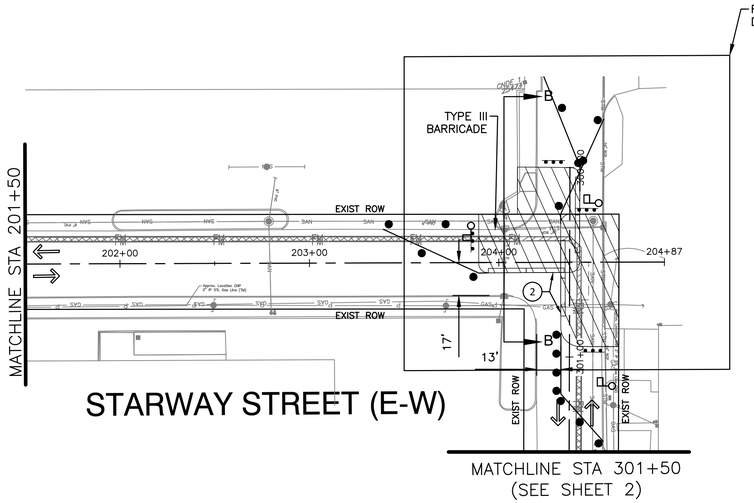
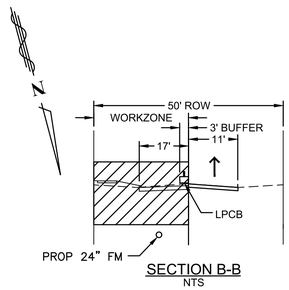




SECTION A-A
NTS





SECTION B-B
NTS

LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

1. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (DOUBLE YELLOW SOLID)
2. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW SOLID)
3. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE SOLID)
4. 8" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
5. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (YELLOW SOLID)
6. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE BROKEN)
7. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE DOTTED)
8. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW BROKEN)
9. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
10. TEMPORARY CONSTRUCTION PAVEMENT (REMOV) MARKING ARROW (WHITE)
11. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW DOTTED)
12. EXISTING PAVEMENT MARKING

0 40' 80'

SCALE: 1"=40'

NOTES:

1. THIS TRAFFIC CONTROL PLAN PRESENTS MINIMUM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES REQUIRED AS PER/ACCORDING TO EXISTING FILED CONDITIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL EXISTING PAVEMENT MARKINGS AND SIGNS THAT CONFLICT WITH THIS TRAFFIC CONTROL PLANS AS NECESSARY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY PAVEMENT MARKINGS AS REQUIRED.
4. CONTRACTOR SHALL USE DRILLING CLOSURE METHOD FOR CONSTRUCTING THE FORCE MAIN, ONE BLOCK AT A TIME OR 300' MAX DURING ONE-WAY OPERATION AND 75' MAX DURING TWO-WAY OPERATION.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
6. NO CONSECUTIVE STREET CLOSURES ARE ALLOWED.
7. CONTRACTOR TO REFER TO TCP-01 AND TCP-03 DETAILS.

NO.	REVISION	REVISION	APP.

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STARWAY ST

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 52	OF 403

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WARNING
0 1
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DWG NO
C-37

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W	V
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1	END ROAD WORK	
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	G20-2A 36X18	TYPE III BARRICADE

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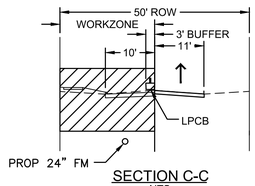

SECTION C-C
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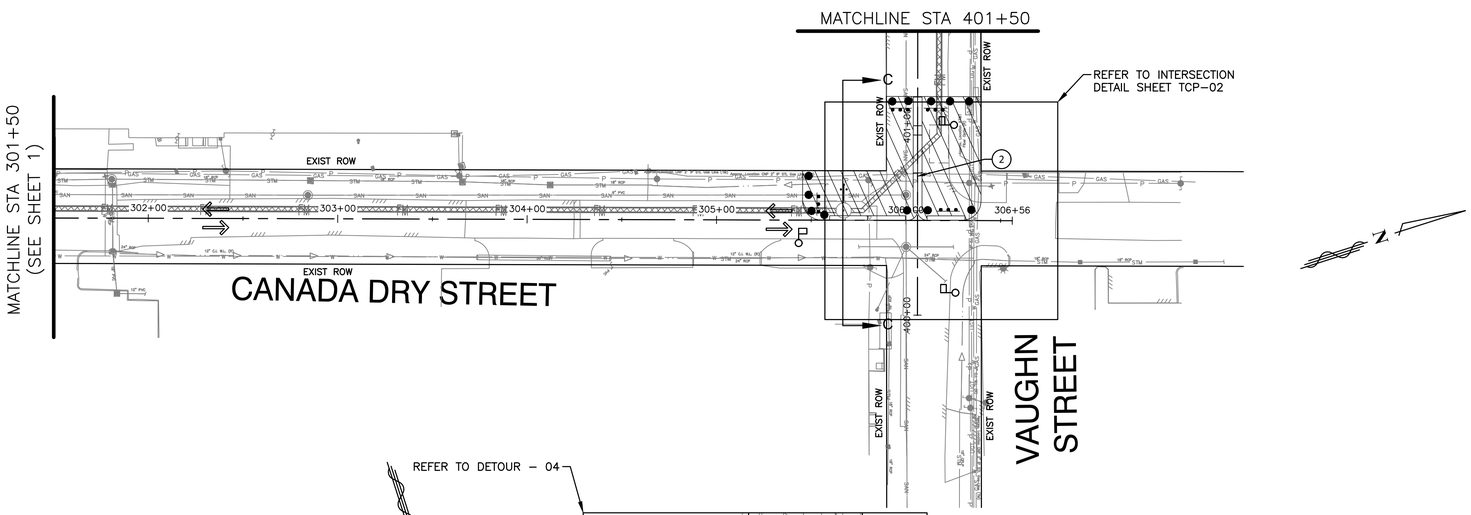
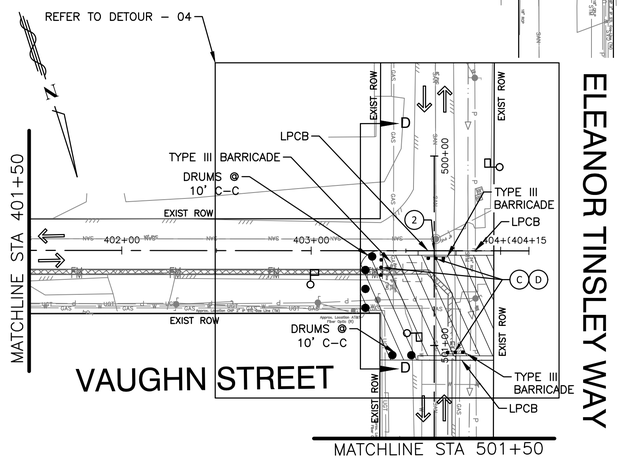
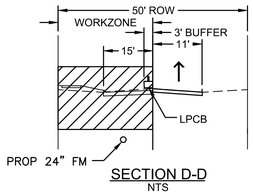
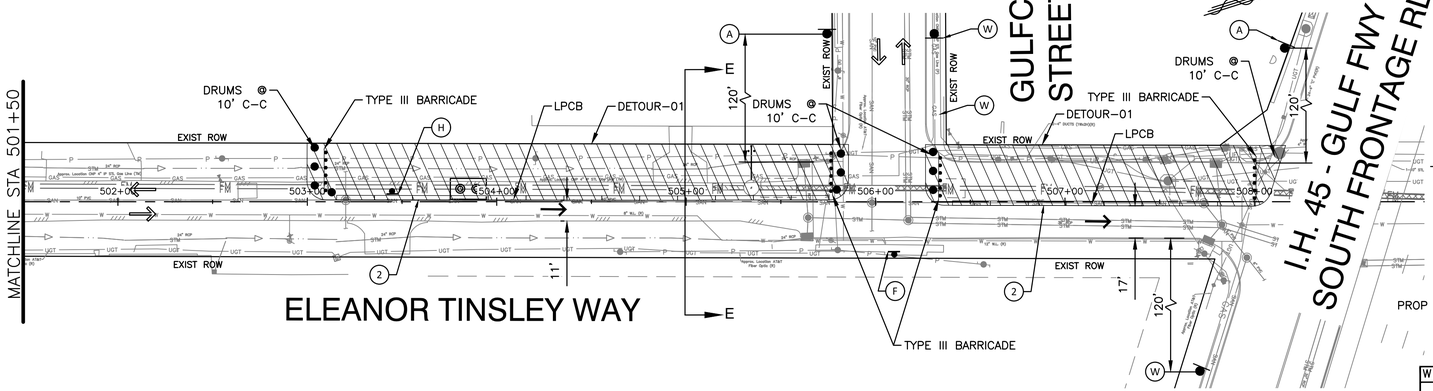
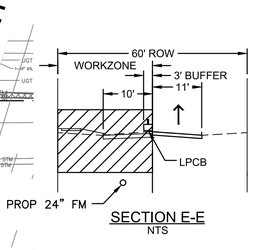






SECTION D-D
NTS





SECTION E-E
NTS

NOTES:

1. THIS TRAFFIC CONTROL PLAN PRESENTS MINIMUM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES REQUIRED AS PER/ACCORDING TO EXISTING FILED CONDITIONS.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COVERING ALL EXISTING PAVEMENT MARKINGS AND SIGNS THAT CONFLICT WITH THIS TRAFFIC CONTROL PLANS AS NECESSARY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY PAVEMENT MARKINGS AS REQUIRED.
4. CONTRACTOR SHALL USE DRILLING CLOSURE METHOD FOR CONSTRUCTING THE FORCE MAIN, ONE BLOCK AT A TIME OR 300' MAX DURING ONE-WAY OPERATION AND 75' MAX DURING TWO-WAY OPERATION.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
6. NO CONSECUTIVE STREET CLOSURES ARE ALLOWED.
7. REFER TO TCP-02 DETAIL FOR 4-WAY INTERSECTION AT VAUGHN ST AND CANADA DRY ST.
8. REFER TO DETOUR – 01 FOR ELEANOR TINSLEY WAY DETOUR.
9. REFER TO DETOUR – 04 FOR CONSTRUCTION OF THE INTERSECTION AT VAUGHN ST AND ELEANOR TINSLEY WAY.

LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

1. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (DOUBLE YELLOW SOLID)
2. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW SOLID)
3. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE SOLID)
4. 8" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
5. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (YELLOW SOLID)
6. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE BROKEN)
7. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE DOTTED)
8. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW BROKEN)
9. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
10. TEMPORARY CONSTRUCTION PAVEMENT (REMOV) MARKING ARROW (WHITE)
11. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW DOTTED)
12. EXISTING PAVEMENT MARKING

0 40' 80'

SCALE: 1"=40'

NO.	REVISION	REVISION	APP.

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3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN VAUGHN ST, CANADA DRY ST & ELEANOR TINSLEY WAY

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 53 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-38

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W			
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1		END ROAD WORK			
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	TYPE III BARRICADE	G20-2A 36X18			

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34.dwg

90% SUBMITTAL

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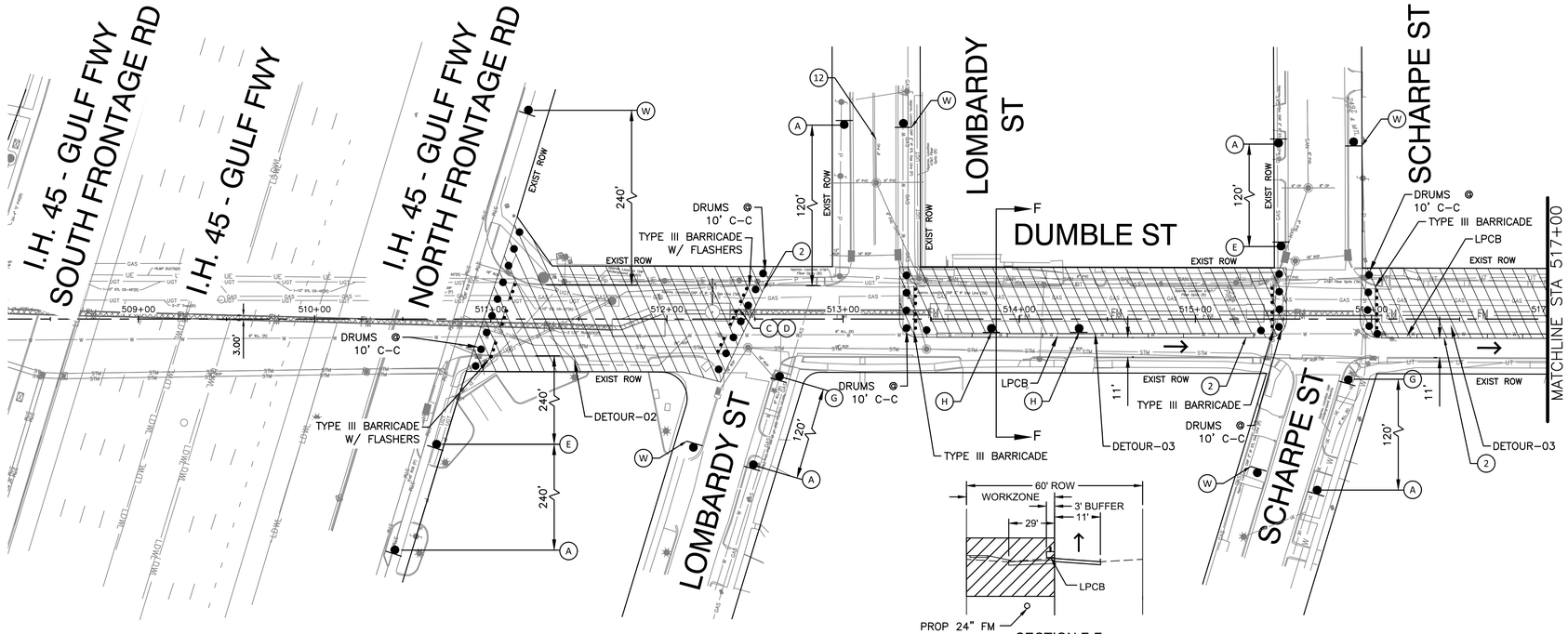
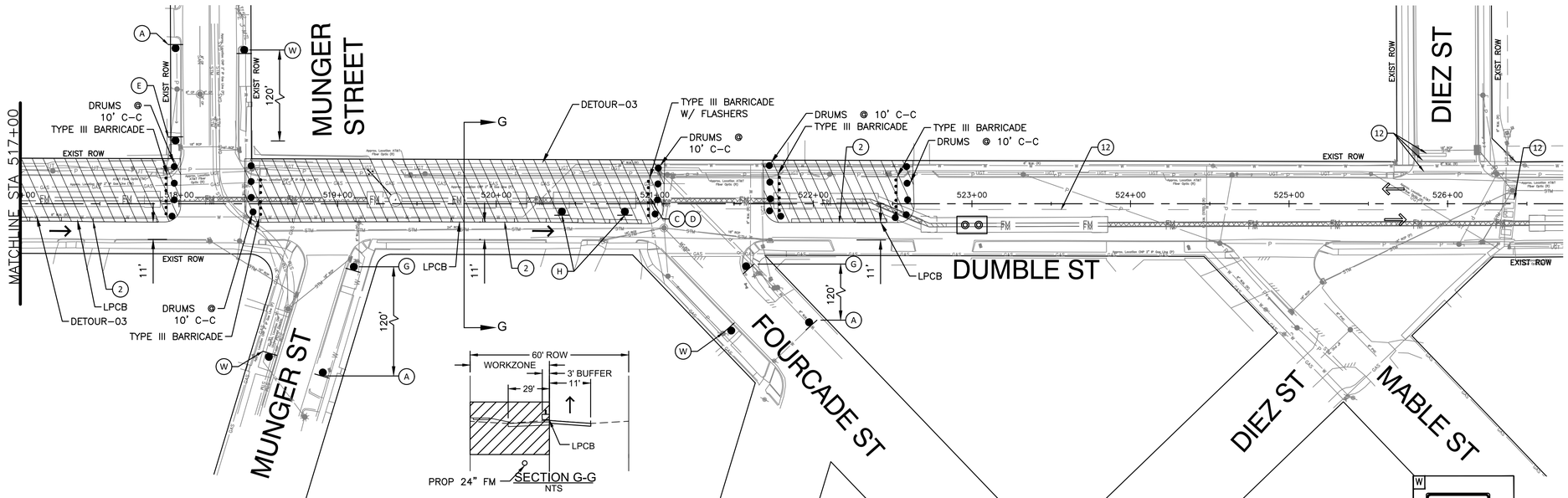
PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34.dwg

NOTES:

1. THIS TRAFFIC CONTROL PLAN PRESENTS MINIMUM REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE FOR CHANGES REBURIED AS PER/ACCORDING TO EXISTING FILED CONDITIONS.
2. CONTRACTOR SHALL BE IRRESPONSIBLE FOR COVERING ALL EXISTING PAVEMENT MARKINGS AND SIGNS THAT CONFLICT WITH THIS TRAFFIC CONTROL PLANS AS NECESSARY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY PAVEMENT MARKINGS AS REQUIRED.
4. CONTRACTOR SHALL USE DRILLING CLOSURE METHOD FOR CONSTRUCTING THE FORCE MAIN, ONE BLOCK AT A TIME OR 300' MAX DURING ONE-WAY OPERATION AND 75' MAX DURING TWO-WAY OPERATION.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
6. NO CONSECUTIVE STREET CLOSURES ARE ALLOWED.
7. REFER TO DETOUR – 02 FOR IH-45 FRTG RD AND DUMBLE STREET INTERSECTION DETOUR.
8. REFER TO DETOUR – 03 FOR DETOURS ALONG DUMBLE STREET.





0 40' 80'

SCALE: 1"=40'

LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

1. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (DOUBLE YELLOW SOLID)
2. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW SOLID)
3. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE SOLID)
4. 8" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
5. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (YELLOW SOLID)
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7. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (WHITE DOTTED)
8. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW BROKEN)
9. 24" TEMPORARY CONSTRUCTION (REMOV) PAV MRK (WHITE SOLID)
10. TEMPORARY CONSTRUCTION PAVEMENT (REMOV) MARKING ARROW (WHITE)
11. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW DOTTED)
12. EXISTING PAVEMENT MARKING

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
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CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN DUMBLE ST – PHASE IA

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 54	OF 403

FOR CITY OF HOUSTON USE ONLY

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-39

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W		
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1		END ROAD WORK		
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	TYPE III BARRICADE	G20-2A 36X18		

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PLOT STYLE: 2025 COH.ctb

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NOTES:

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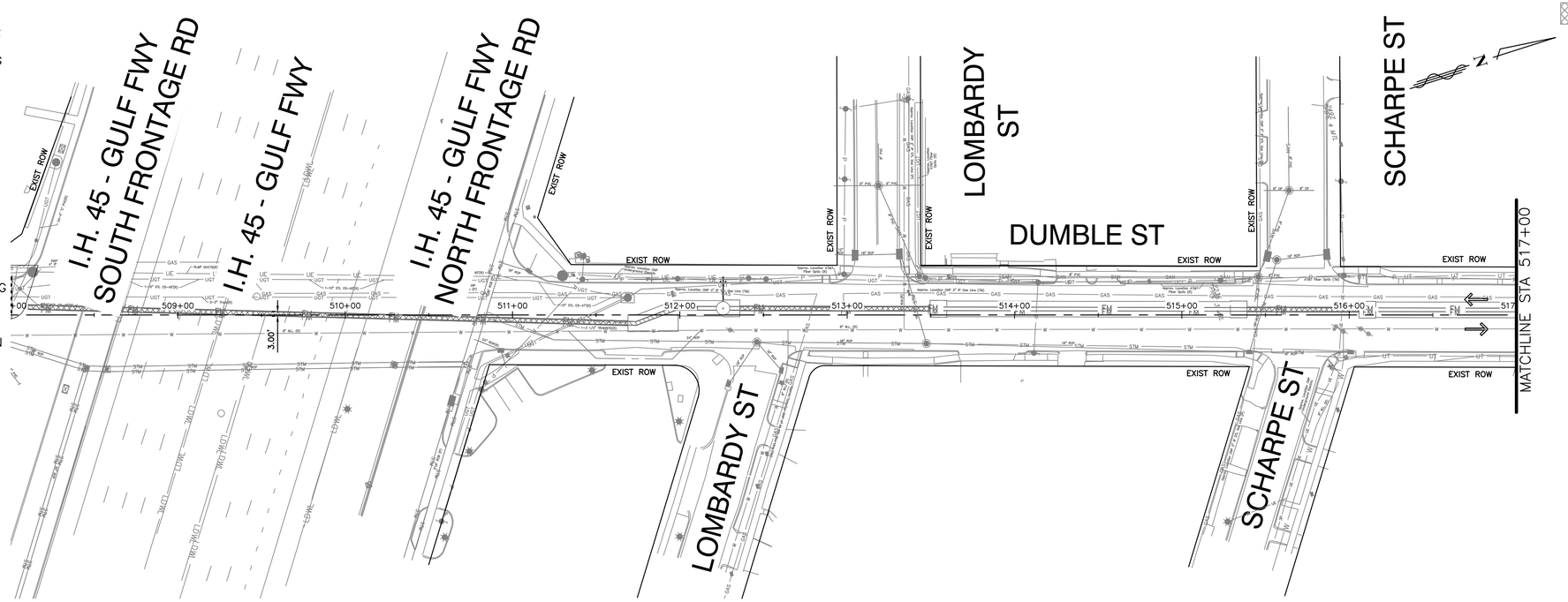
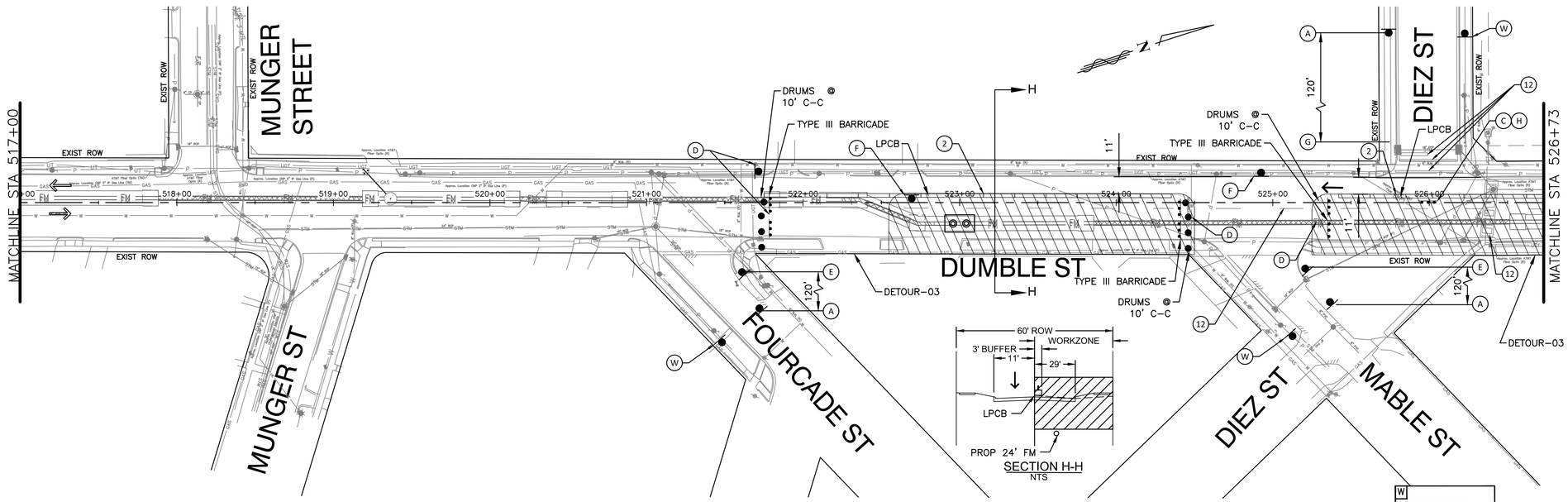
2. CONTRACTOR SHALL BE IRRESPONSIBLE FOR COVERING ALL EXISTING PAVEMENT MARKINGS AND SIGNS THAT CONFLICT WITH THIS TRAFFIC CONTROL PLANS AS NECESSARY.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY PAVEMENT MARKINGS AS REQUIRED.
4. CONTRACTOR SHALL USE DRILLING CLOSURE METHOD FOR CONSTRUCTING THE FORCE MAIN, ONE BLOCK AT A TIME OR 300' MAX DURING ONE-WAY OPERATION AND 75' MAX DURING TWO-WAY OPERATION.
5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
6. NO CONSECUTIVE STREET CLOSURES ARE ALLOWED.
7. REFER TO DETOUR – 03 FOR DETOURS ALONG DUMBLE STREET.





LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

1. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (DOUBLE YELLOW SOLID)
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12. EXISTING PAVEMENT MARKING

0 40' 80'

SCALE: 1"=40'

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN DUMBLE ST – PHASE IB

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
	CITY OF HOUSTON PM
	NEIL BARNSDALE, P.E.
SHEET NO. 55	OF 403

FOR CITY OF HOUSTON USE ONLY

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-40

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	W				
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1	END ROAD WORK				
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	G20-2A 36X18				
																		V				
																		TYPE III BARRICADE				

90% SUBMITTAL

PLOTTED: 5/13/2026 5:20 PM

PLOT STYLE: 2025 COH.ctb

NOTES:

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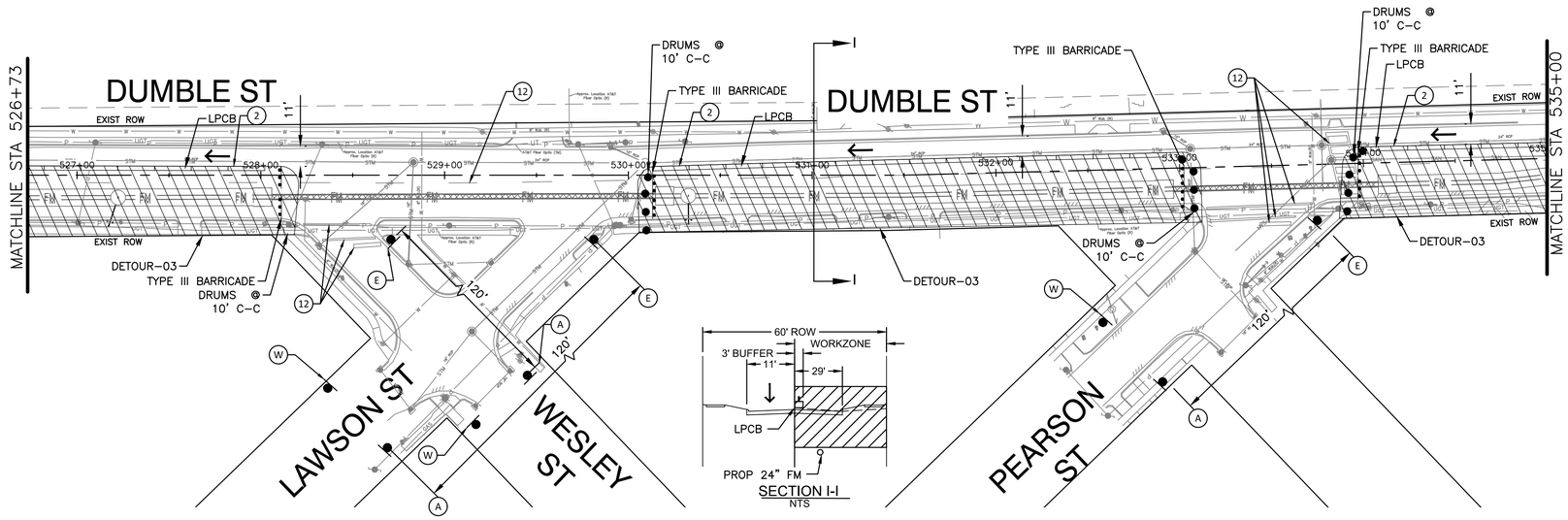
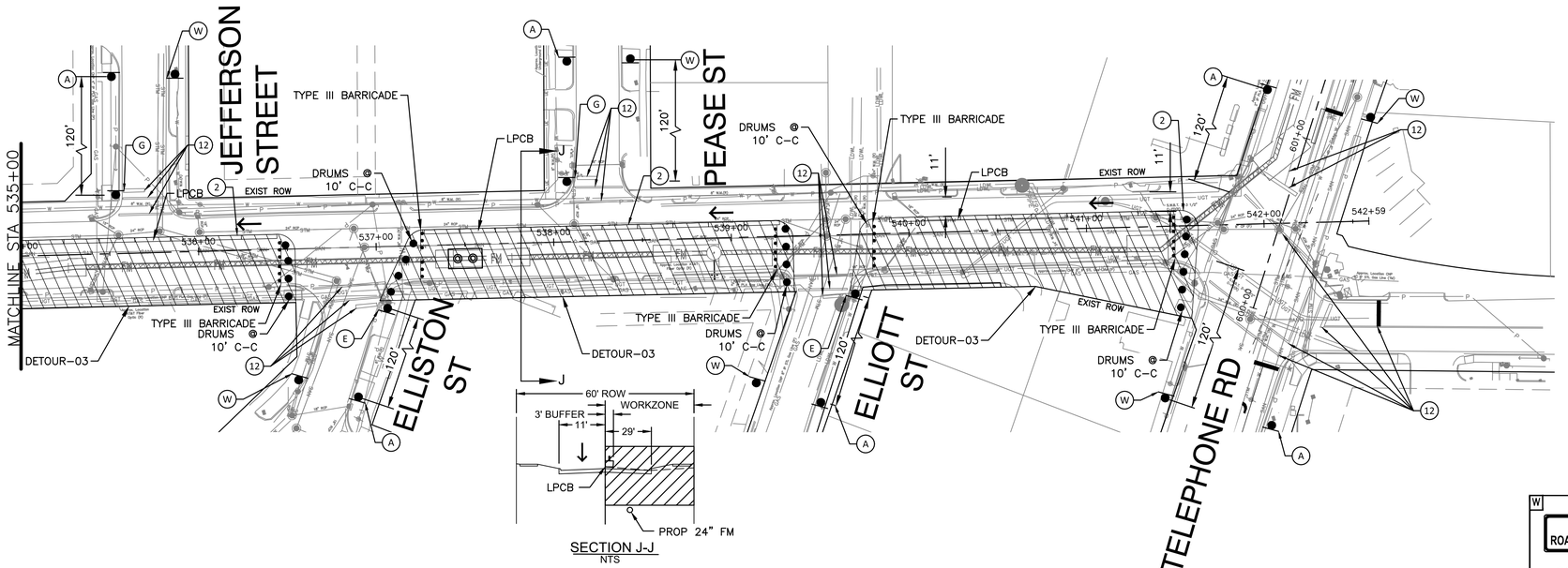
7. REFER TO DETOUR – 03 FOR DETOURS ALONG DUMBLE STREET.





LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

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12. EXISTING PAVEMENT MARKING

0 40' 80'

SCALE: 1"=40'

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W
ROAD WORK AHEAD CW20-1D 48 X 48	END DETOUR M4-8a 24 X 18	ROAD CLOSED R11-2 48 X 30	DO NOT ENTER R5-1 36 X 36	R3-1	ONE WAY R6-1L	R3-2	ONE WAY R6-1R	DETOUR M4-10L 48 X 18	DETOUR M4-10R 48 X 18	ROAD CLOSED AHEAD CW20-3D 48 X 48	DETOUR AHEAD CW20-2D 48 X 48	ROAD CLOSED TO THRU TRAFFIC R11-4	DETOUR M4-9R 30 X 30	DETOUR M4-9L 30 X 30	DETOUR M4-9S 30 X 24	BEGIN ONE WAY	STREET 1 M4-9N 30 X 12	TYPE III BARRICADE	END ROAD WORK G20-2A 36X18

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO C-41

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
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P.E. SERIAL NO. 135854
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CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN DUMBLE ST – PHASE IB

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 56	OF 403

FOR CITY OF HOUSTON USE ONLY

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90% SUBMITTAL

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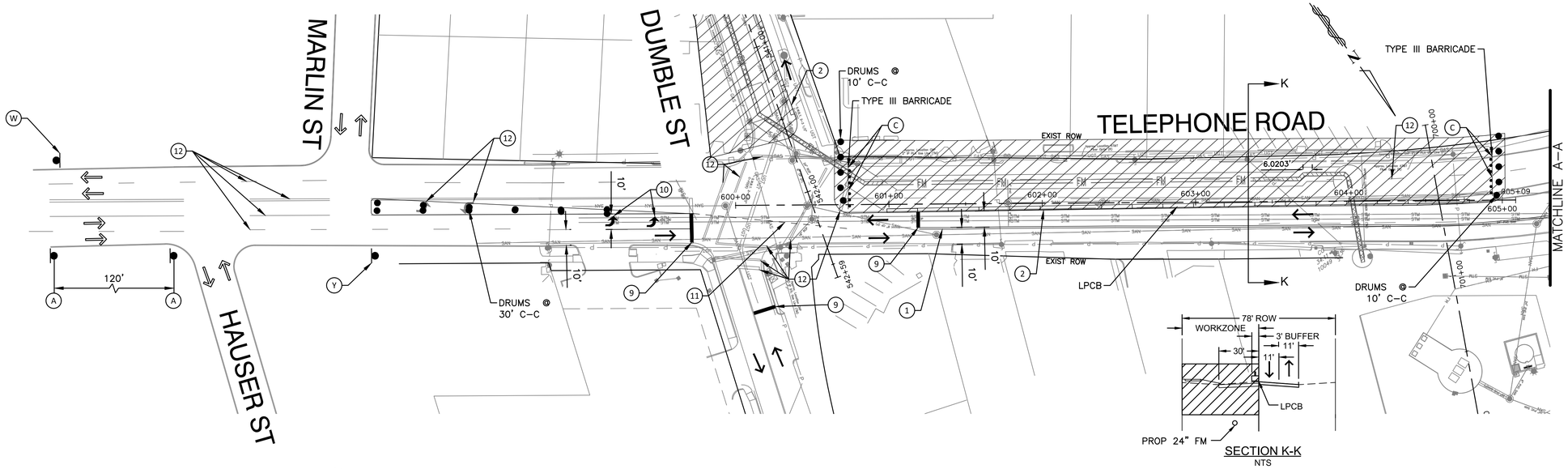
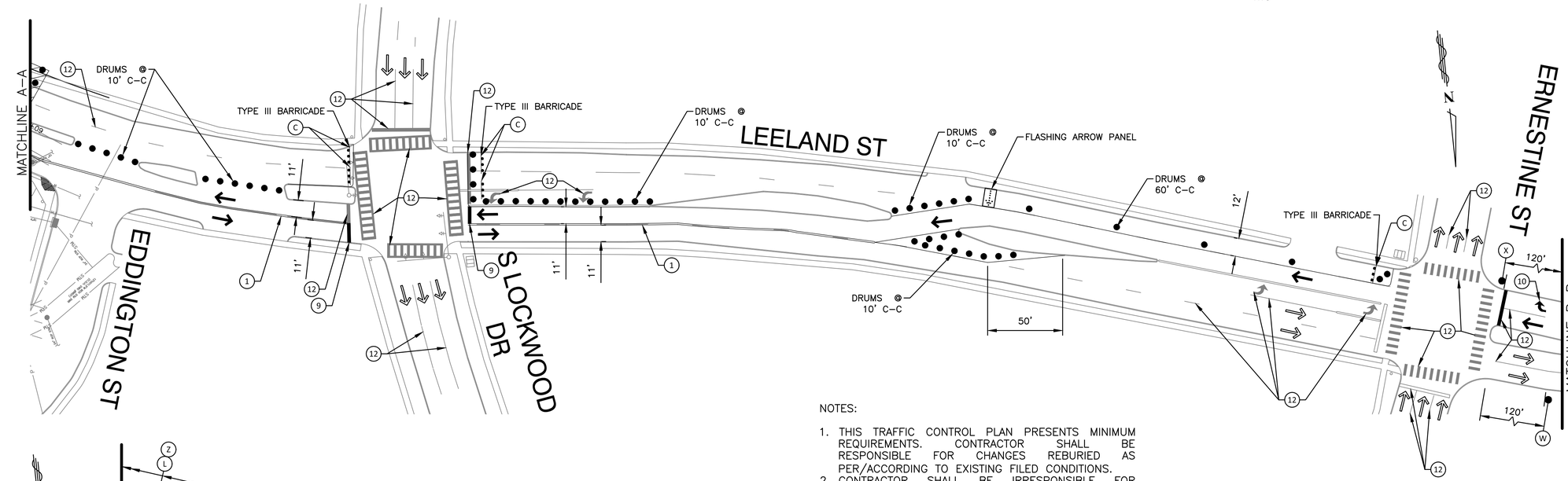
PLOT STYLE: 2025 COH.ctb





LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STRIPING LEGEND

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11. 4" TEMPORARY CONSTRUCTION (REMOV) BUTTONS (YELLOW DOTTED)
12. EXISTING PAVEMENT MARKING

0 40' 80'

SCALE: 1"=40'

NOTES:

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5. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES AT ALL TIMES.
6. NO CONSECUTIVE STREET CLOSURES ARE ALLOWED.
7. REFER TO TEMPORARY TRAFFIC SIGNAL SHEETS FOR THE INTERSECTIONS OF DUMBLE ST AND TELEPHONE RD AND TELEPHONE RD AND LOCKWOOD DR.

NO.	REVISION	REVISION	APP.

ARDURRA
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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN TELEPHONE RD

WBS NUMBER	R–001000–0035–4
DRAWING SCALE	AS NOTED
	CITY OF HOUSTON PM
	NEIL BARNSDALE, P.E.
SHEET NO. 57	OF 403

FOR CITY OF HOUSTON USE ONLY

WARNING
0 1
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DWG NO
C–42

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1	
CW20–1D 48 X 48	M4–8a 24 X 18	R11–2 48 X 30	R5–1 36 X 36	R3–1	R6–1L	R3–2	R6–1R	M4–10L 48 X 18	M4–10R 48 X 18	CW20–3D 48 X 48	CW20–2D 48 X 48	R11–4	M4–9R 30 X 30	M4–9L 30 X 30	M4–9S 30 X 24		M4–9N 30 X 12	TYPE III BARRICADE

Z	Y	X	W
RIGHT LANE MUST TURN RIGHT	ONLY ONLY	ONLY ONLY	END ROAD WORK
R3–7R 36X36	R3–8 LS 30X30	R3–8 SR 30X30	G20–2A 36X18

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PLOTTED: 5/13/2026 5:21 PM

PLOT STYLE: 2025 COH.ctb

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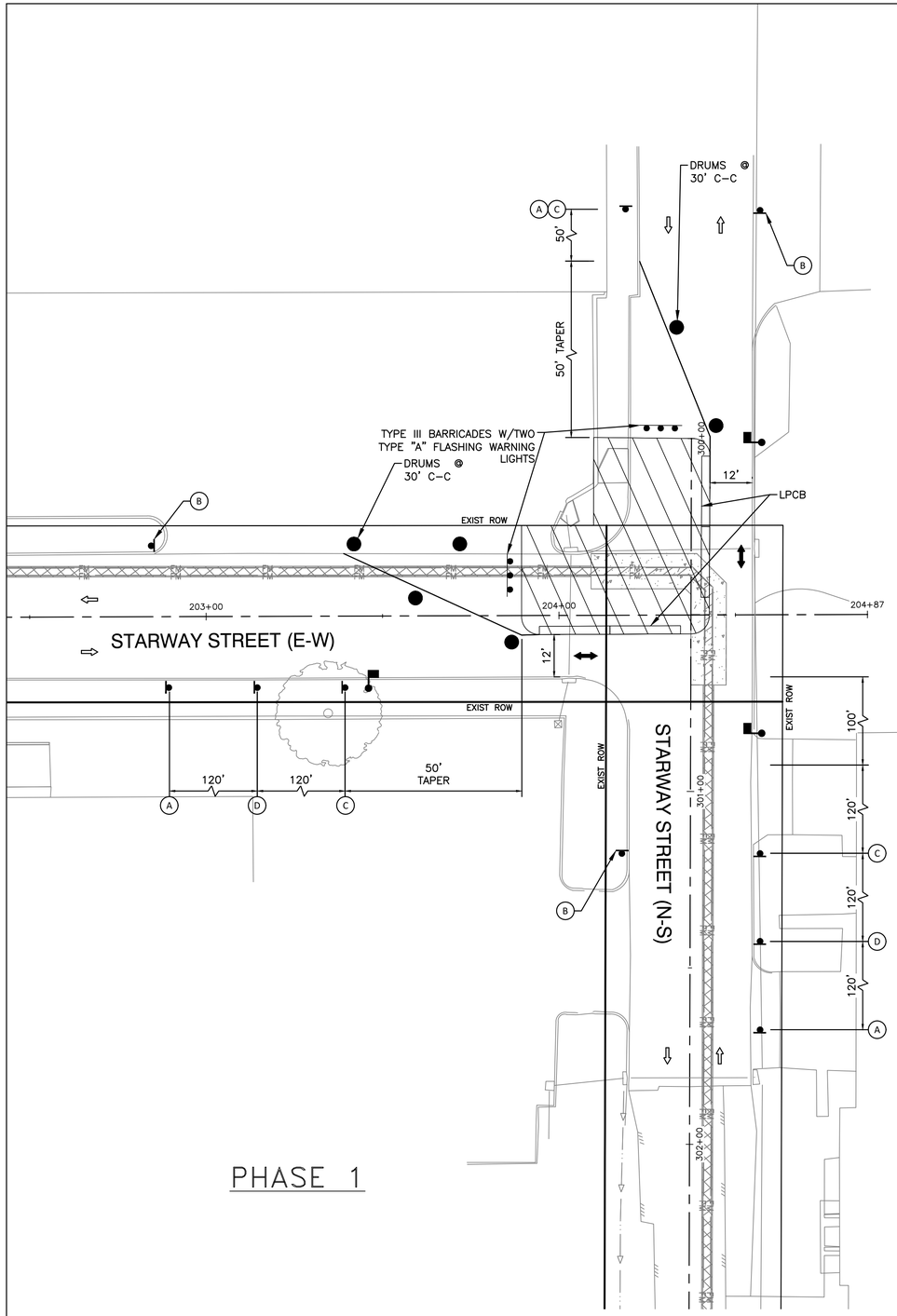
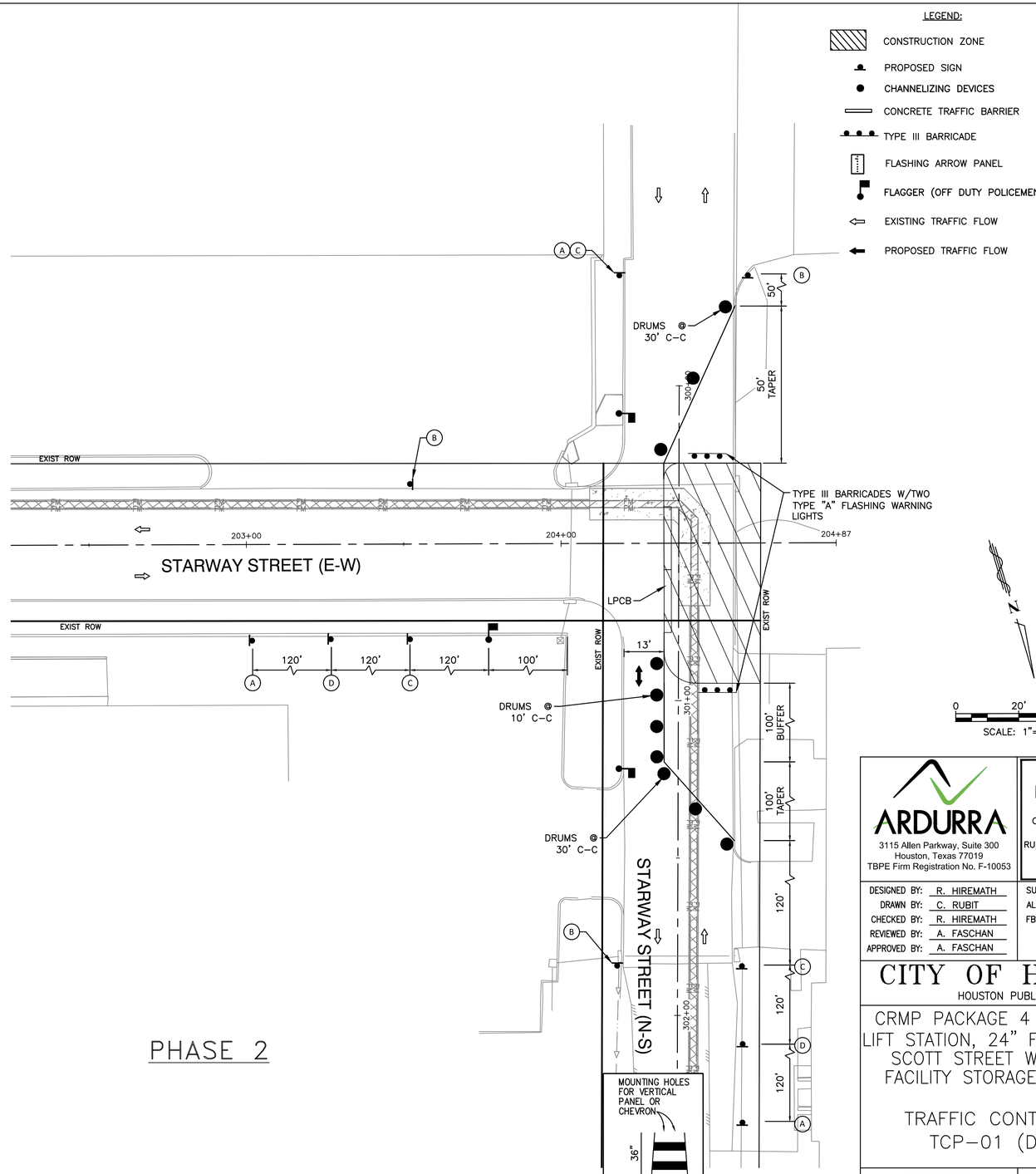


PHASE 1



PHASE 2

LEGEND:

- CONSTRUCTION ZONE
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW

N

0 20' 40'

SCALE: 1"=20'

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S								
UTILITY WORK AHEAD	END ROAD WORK		ONE LANE ROAD AHEAD	RIGHT LANE CLOSED AHEAD	LEFT LANE CLOSED AHEAD					20 M.P.H.	DO NOT ENTER	ROAD CLOSED	ROAD WORK AHEAD	DO NOT PASS	DETOUR								
CW21-7D 48 X 48	G20-2a 36 X 18	CW20-7a 48 x 48	CW20-4D 48 X 48	CW20-5RD 48 X 48 PLAQUE 30 X 12	CW20-5LD 48 X 48 PLAQUE 30 X 12	CW6-3 30 X 30	CW1-6a 30 X 30	CW1-3L 30 X 30	CW1-3R 30 X 30	CW13-1 18 X 18	R5-1 36 X 36	R11-2 48 X 30	CW20-1D 48 X 48	R4-1 18 X 24	M4-10L 48 X 18	TYPE III BARRICADE	LEFT CW1-8 18 x 24	RIGHT CW1-8 18 x 24					

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO

C-43

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN TCP-01 (DAYTIME)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 58 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:22 PM

PLOT STYLE: 2025 COH.ctb

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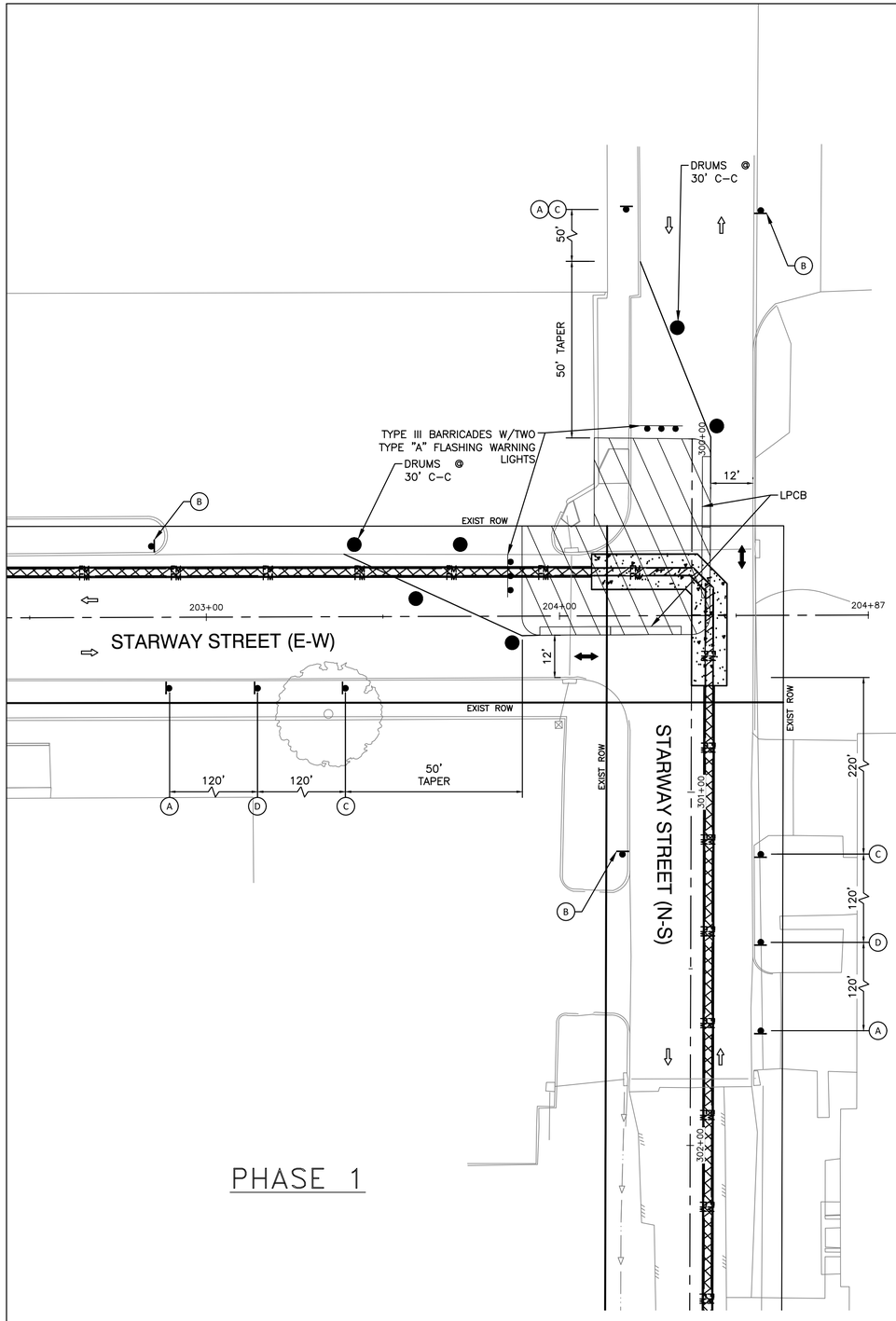
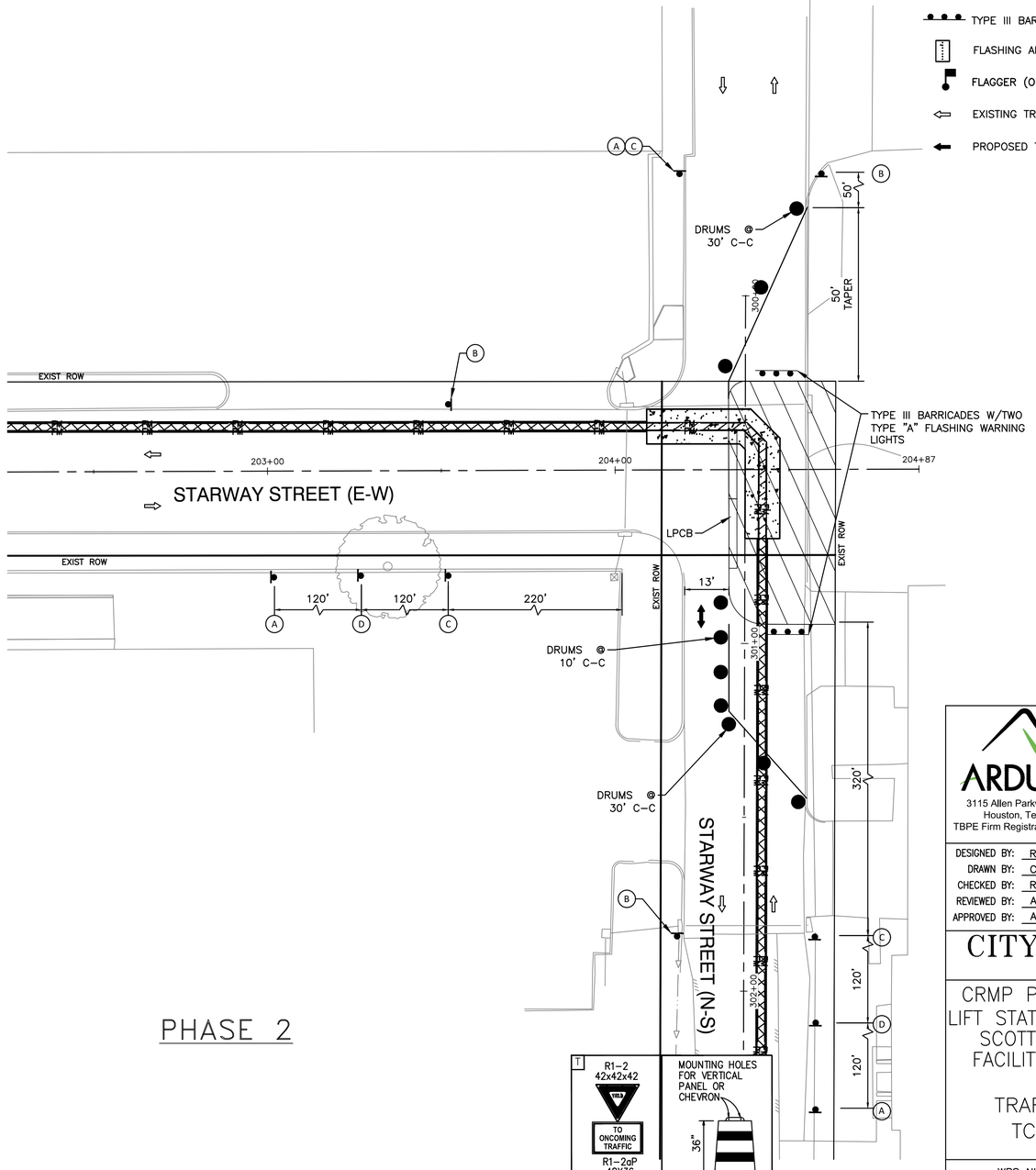


PHASE 1



PHASE 2

LEGEND:

- CONSTRUCTION ZONE
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW

N

0 20' 40'

SCALE: 1"=20'

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S									
UTILITY WORK AHEAD CW21-7D 48 X 48	END ROAD WORK G20-2a 36 X 18	CW20-7a 48 x 48	ONE LANE ROAD AHEAD CW20-4D 48 X 48	RIGHT LANE CLOSED AHEAD CW20-5RD 48 X 48 PLAQUE 30 X 12	LEFT LANE CLOSED AHEAD CW20-5LD 48 X 48 PLAQUE 30 X 12	CW6-3 30 X 30	CW1-6a 30 X 30	CW1-3L 30 X 30	CW1-3R 30 X 30	20 M.P.H. CW13-1 18 X 18	DO NOT ENTER R5-1 36 X 36	ROAD CLOSED R11-2 48 X 30	ROAD WORK AHEAD CW20-1D 48 X 48	DO NOT PASS R4-1 18 X 24	DETOUR M4-10L 48 X 18	TYPE III BARRICADE	LEFT CW1-8 18 x 24	RIGHT CW1-8 18 x 24							

T: R1-2 42x42x42 — TO ONCOMING TRAFFIC — R1-2aP 48X36

MOUNTING HOLES FOR VERTICAL PANEL OR CHEVRON — 36" — DRUM

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO

C-44

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN TCP-01 (NIGHTTIME)

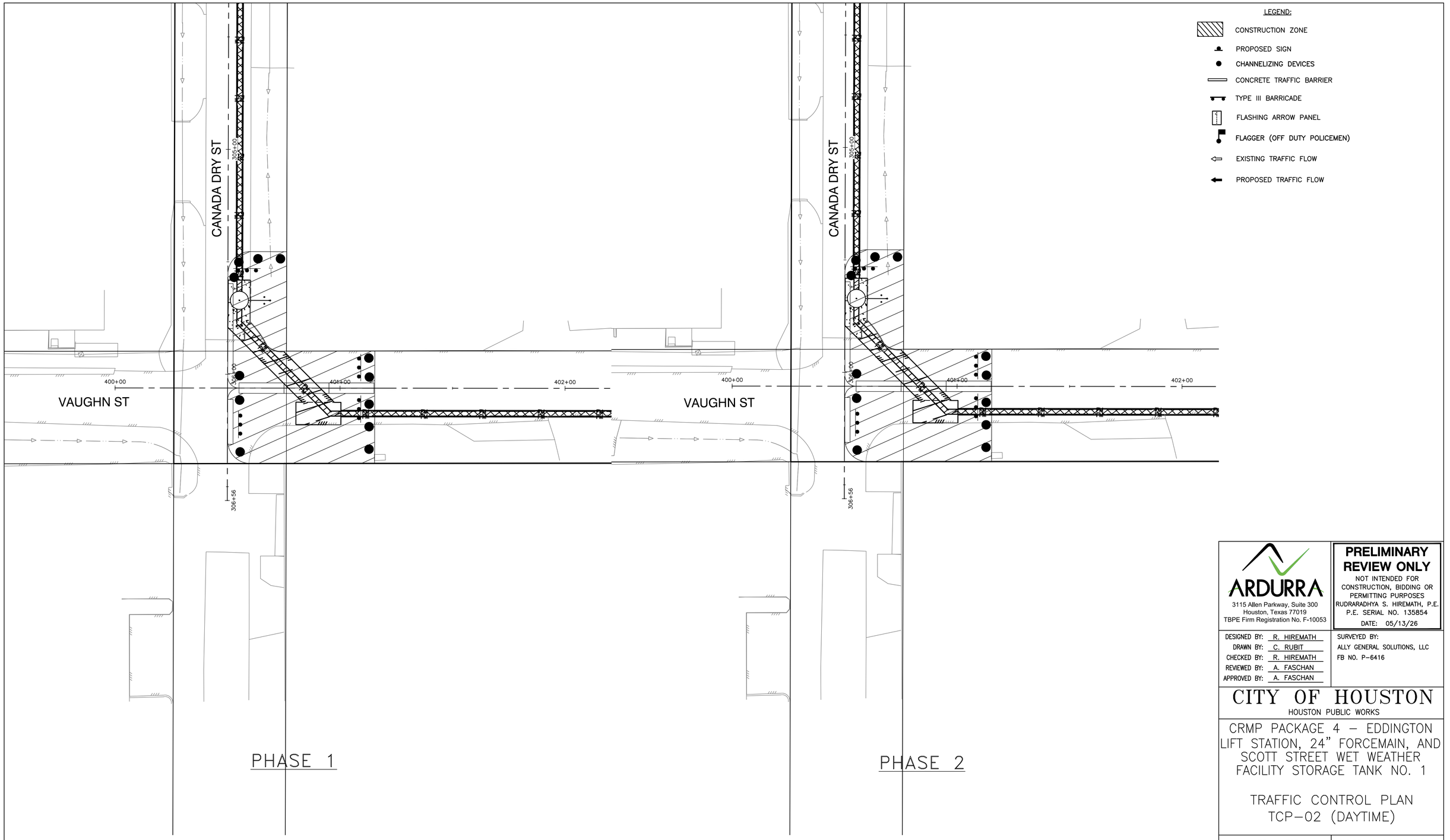
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 59 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:22 PM

PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34_TYP.dwg



PHASE 1

PHASE 2

LEGEND:

- CONSTRUCTION ZONE
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW

A	D	M	N	T	U
ROAD WORK AHEAD CW20-1D 48 X 48	END ROAD WORK G20-2a 36 X 18	DO NOT ENTER R5-1 36 X 36	ROAD CLOSED R11-2 48 X 30	ONE LANE ROAD AHEAD CW20-4D 48 X 48	CW20-7a 48 x 48

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
TCP-02 (DAYTIME)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-45

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 60 OF 403	

90% SUBMITTAL

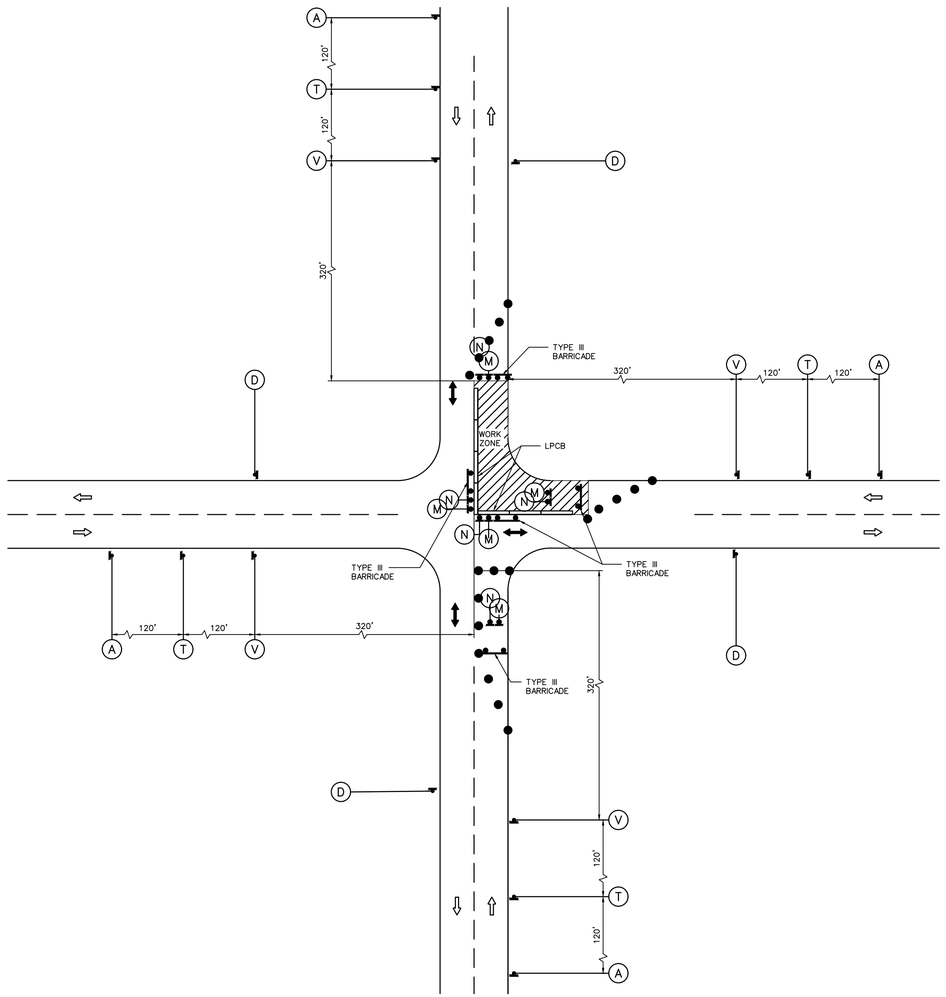
PLOTTED: 5/13/2026 5:23 PM

PLOT STYLE: 2025 COH.ctb

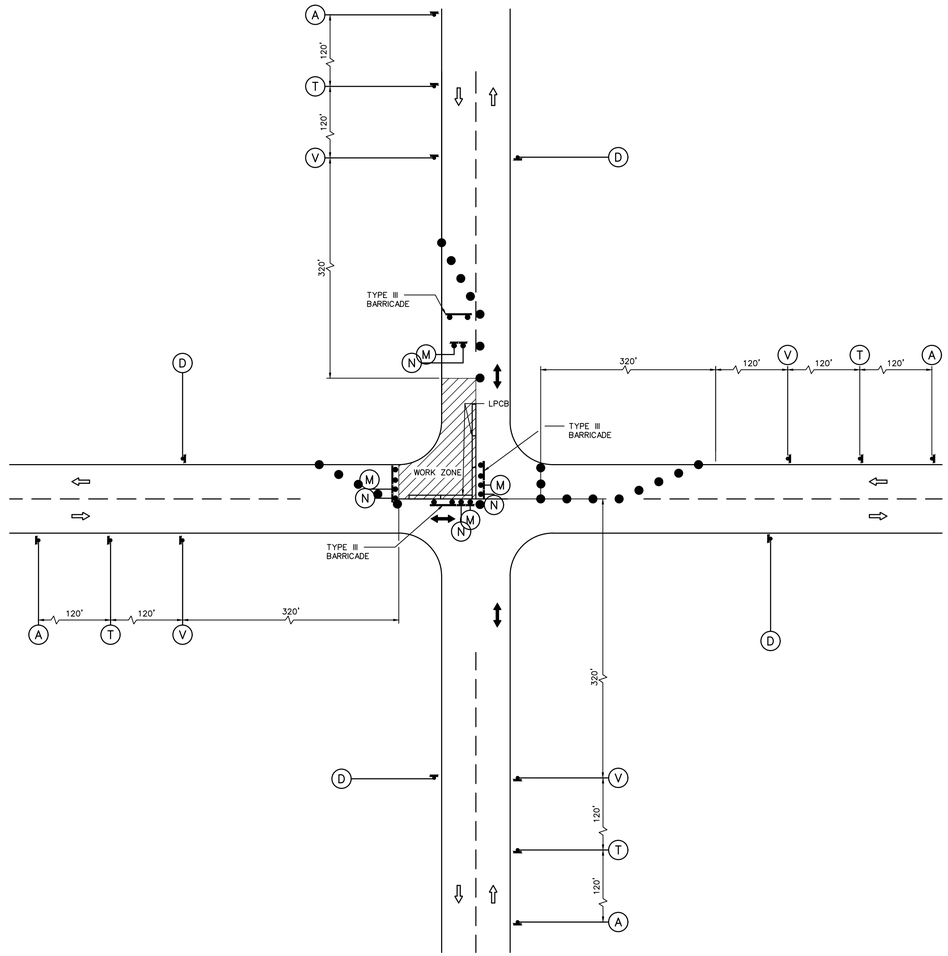
FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34_TYP.dwg

LEGEND:

- CONSTRUCTION ZONE
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW



TYPICAL OPERATION
PHASE 1



TYPICAL OPERATION
PHASE 2

A	D	M	N	T	U	V
ROAD WORK AHEAD CW20-1D 48 X 48	END ROAD WORK G20-2a 36 X 18	DO NOT ENTER R5-1 36 X 36	ROAD CLOSED R11-2 48 X 30	ONE LANE ROAD AHEAD CW20-4D 48 X 48	CW20-7a 48 x 48	R1-2 42x42x42 YIELD TO ONCOMING TRAFFIC R1-2aP 48X36

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-46

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
TCP-02 (NIGHTTIME)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 61 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:23 PM

PLOT STYLE: 2025 COH.ctb

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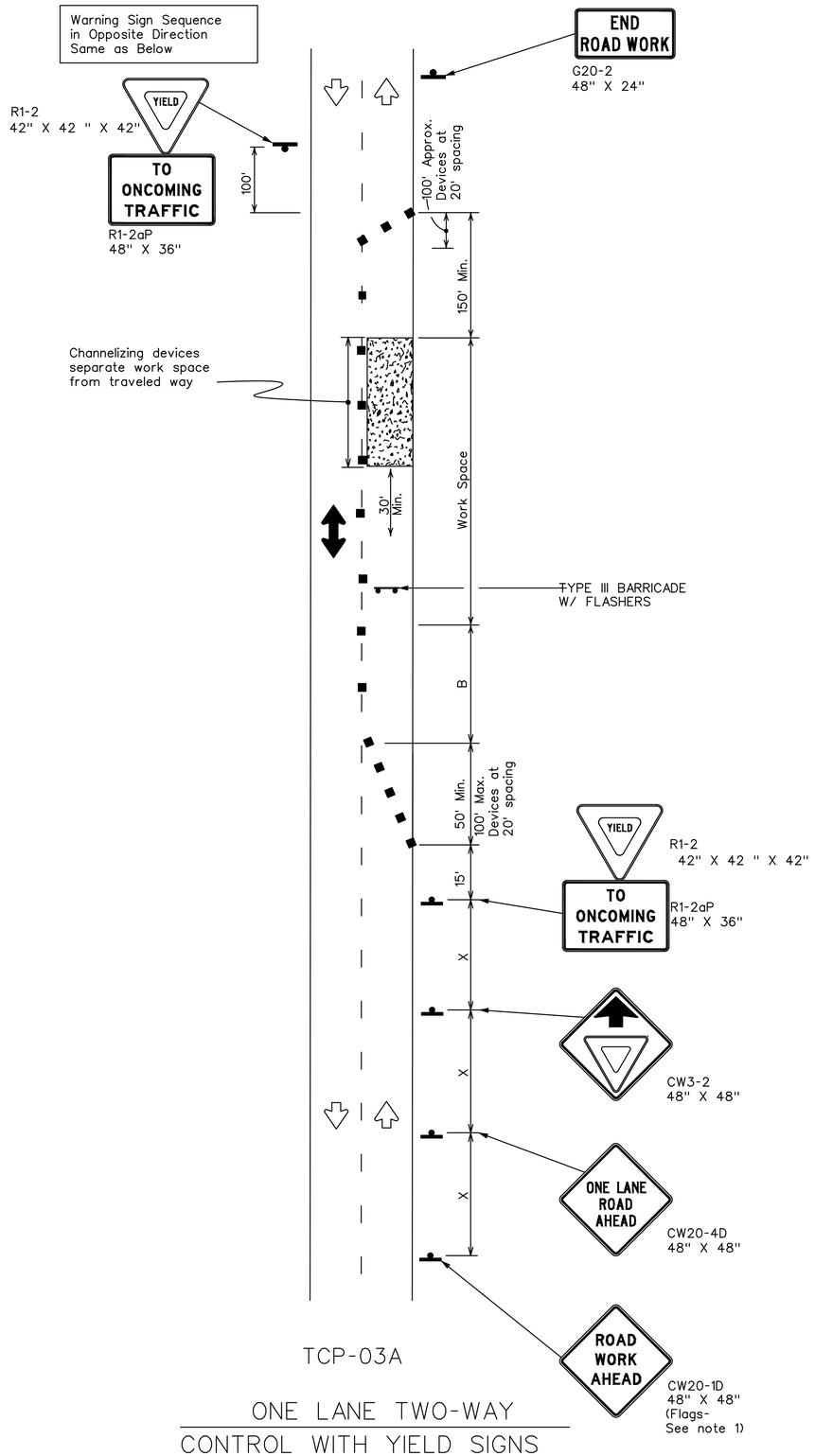
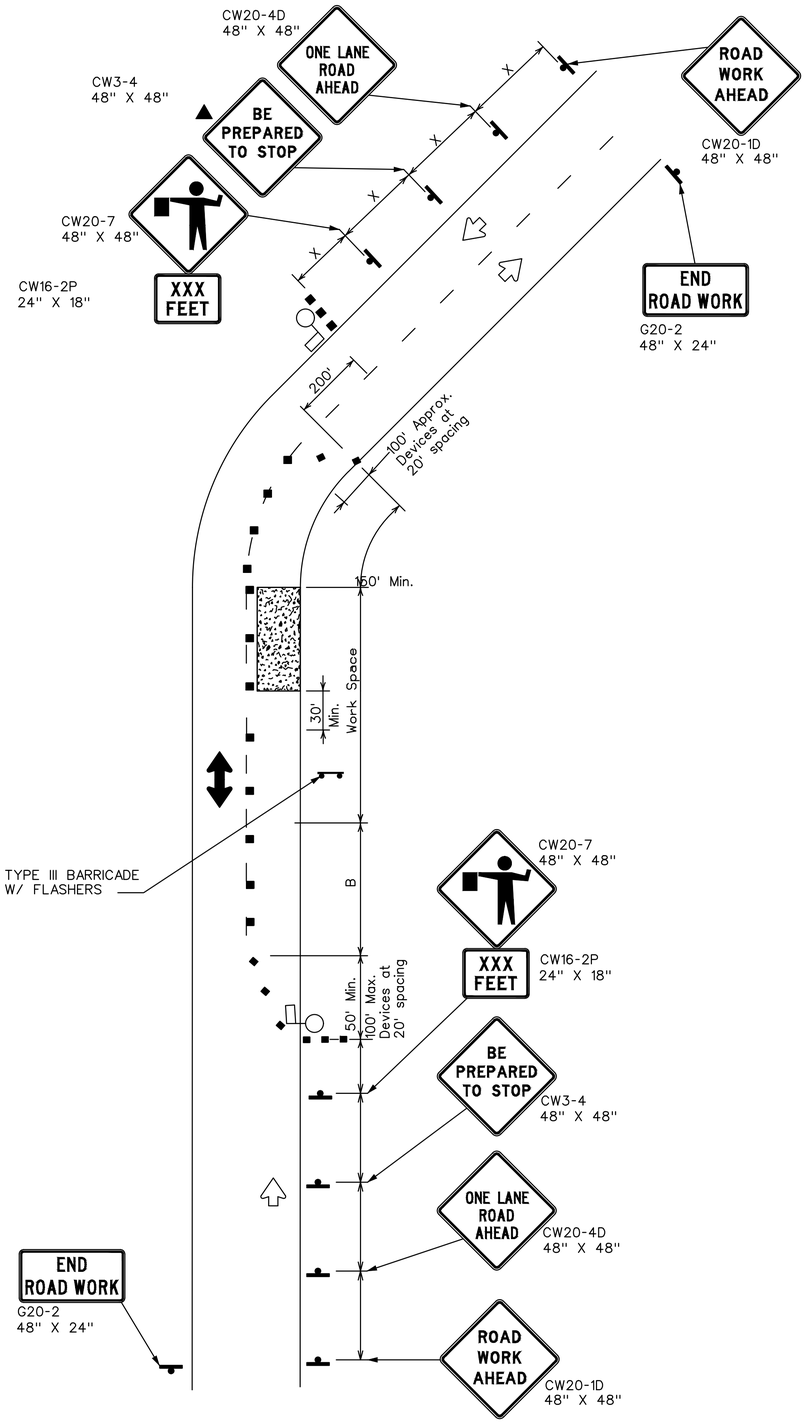


TCP-03A

ONE LANE TWO-WAY
CONTROL WITH YIELD SIGNS



TCP-03B

ONE LANE TWO-WAY
CONTROL WITH FLAGGERS

LEGEND:

- CONSTRUCTION ZONE
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)
- EXISTING TRAFFIC FLOW
- PROPOSED TRAFFIC FLOW

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: C. RUBIT	FB NO. P-6416
CHECKED BY: R. HIREMATH	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
TCP–03

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C–47

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 62 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:24 PM

PLOT STYLE: 2025 COH.ctb

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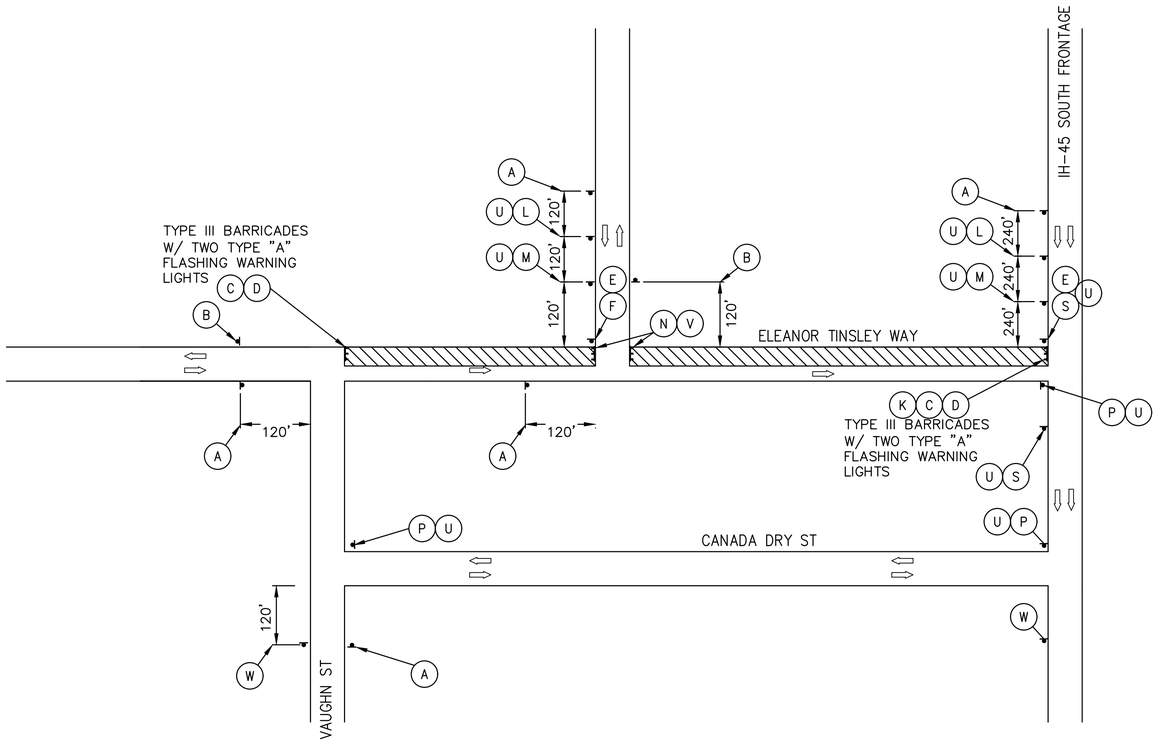


LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W
ROAD WORK AHEAD CW20-1D 48 X 48	END DETOUR M4-8a 24 X 18	ROAD CLOSED R11-2 48 X 30	DO NOT ENTER R5-1 36 X 36	R3-1	ONE WAY R6-1L	R3-2	ONE WAY R6-1R	DETOUR M4-10L 48 X 18	DETOUR M4-10R 48 X 18	ROAD CLOSED AHEAD CW20-3D 48 X 48	DETOUR AHEAD CW20-2D 48 X 48	ROAD CLOSED TO THRU TRAFFIC R11-4	DETOUR M4-9R 30 X 30	DETOUR M4-9L 30 X 30	DETOUR M4-9S 30 X 24	BEGIN ONE WAY	ELEANOR TINSLEY WAY M4-9N 30 X 12	TYPE III BARRICADE	END ROAD WORK G20-2A 36X18

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO

C-48

NO.	REVISION	REVISION	APP.

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN ELEANOR TINSLEY WAY DETOUR-01

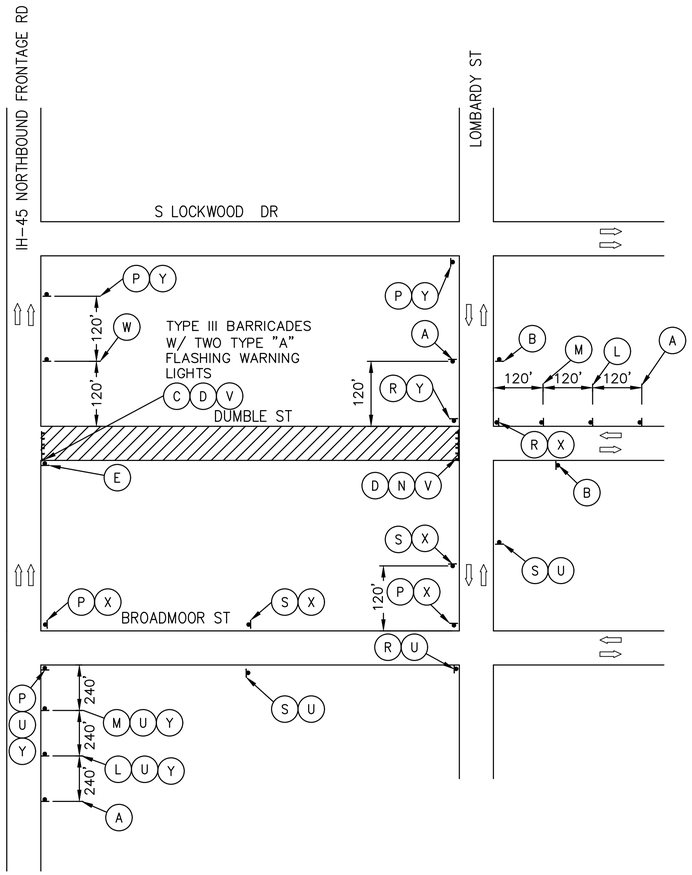
WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 63 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:24 PM

PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34_DETOUR.dwg



LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

NO.	REVISION	REVISION	APP.

ARDURRA
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TBPE Firm Registration No. F-10053

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P.E. SERIAL NO. 135854
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REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
TRAFFIC CONTROL PLAN
IH-45 NB FRONTAGE ROAD AT DUMBLE STREET
DETOUR-02

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 64	OF 403

FOR CITY OF HOUSTON USE ONLY

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-49

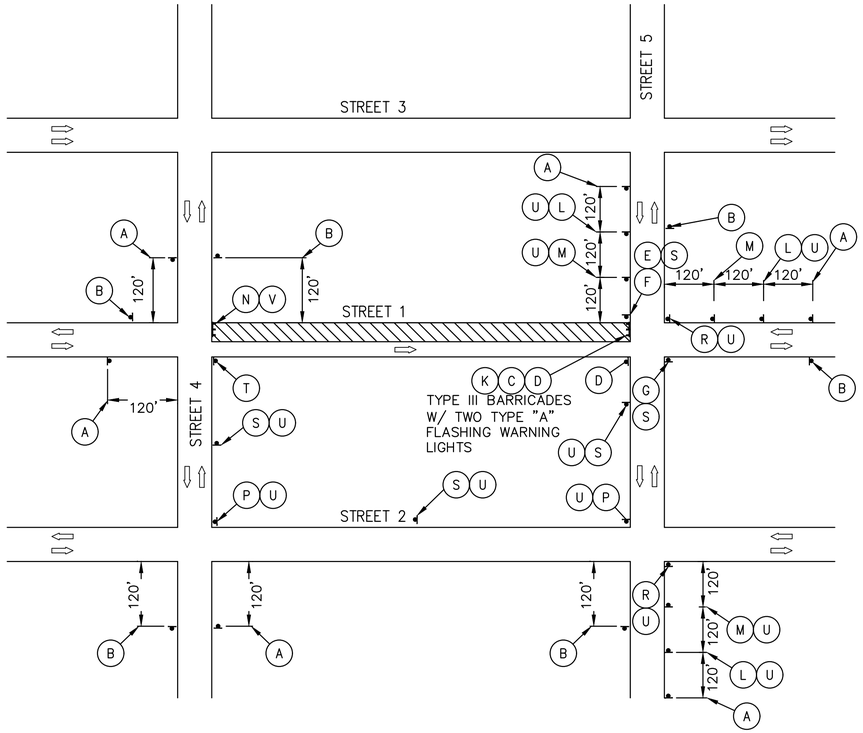
A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W	X	Y		
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	DUMBLE STREET		END ROAD WORK	IH-45 FRONTAGE ROAD	S LOCKWOOD DR		
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	TYPE III BARRICADE	G20-2A 36X18	M4-9N 30 X 12	M4-9N 30 X 12		

90% SUBMITTAL

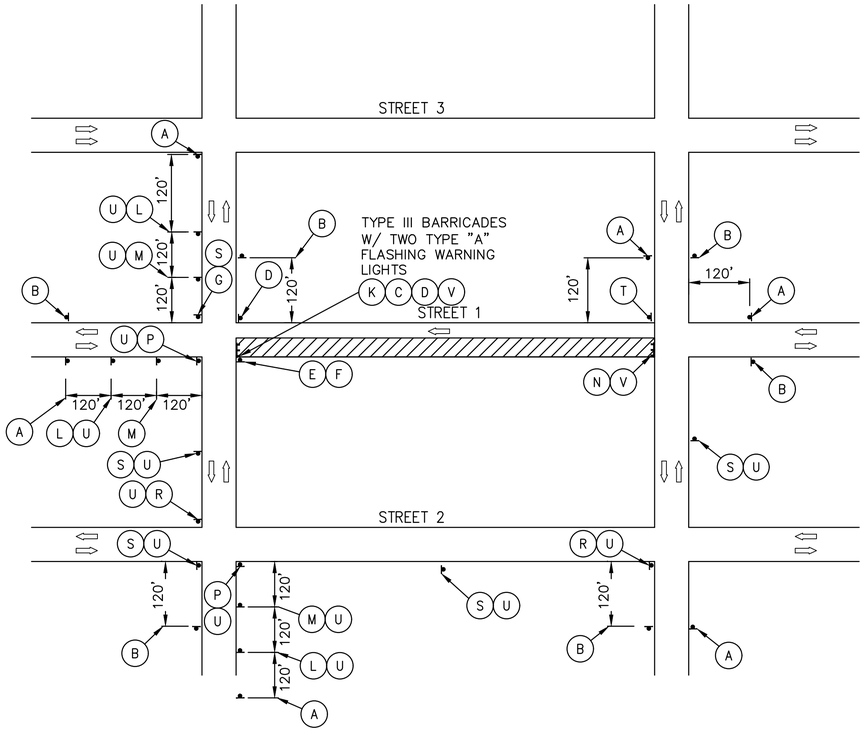
PLOTTED: 5/13/2026 5:24 PM

PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34_DETOUR.dwg



TYPICAL TRAFFIC NEIGHBORHOOD DETOUR PLAN – STEP IA



TYPICAL TRAFFIC NEIGHBORHOOD DETOUR PLAN – STEP IB

LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

STREET 1	STREET 2	STREET 3	STREET 4	STREET 5
DUMBLE ST	BROADMOOR ST	LOCKWOOD ST	LOMBARDY ST	SCHARPE ST
	DIEZ ST	HICKSFIELD ST	SCHARPE ST	MUNGER ST
	LAWSON ST		MUNGER ST	FOURCADE ST
	PEARSON ST		FOURCADE ST	MABLE ST
	ELLISTON ST		MABLE ST	WESLEY ST
	ELLIOTT ST		WESLEY ST	MONROE ST
			MONROE ST	MARLIN ST
			MARLIN ST	TELEPHONE RD

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V	W		
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	STREET 1	TYPE III BARRICADE	END ROAD WORK		
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12		G20-2A 36X18		

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO

C-50

NO.	REVISION	REVISION	APP.

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN
DUMBLE STREET
DETOUR-03

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 65 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:24 PM

PLOT STYLE: 2025 COH.ctb

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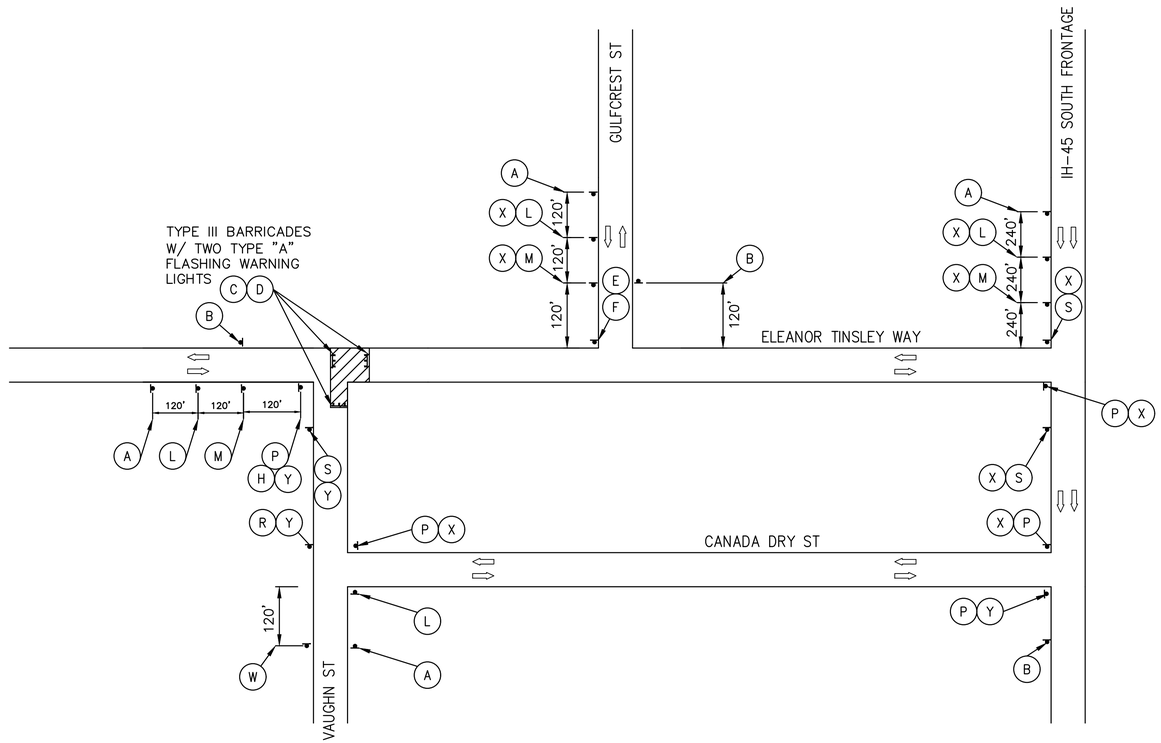

LEGEND:

- CONSTRUCTION ZONE
- TEMP PAVEMENT (PREVIOUSLY CONSTRUCTED)
- PROPOSED SIGN
- CHANNELIZING DEVICES
- CONCRETE TRAFFIC BARRIER
- DIRECTION OF EXISTING TRAFFIC PATTERN
- DIRECTION OF PROPOSED TRAFFIC PATTERN
- TYPE III BARRICADE
- FLASHING ARROW PANEL
- FLAGGER (OFF DUTY POLICEMEN)

A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S	T	U	V
ROAD WORK AHEAD	END DETOUR	ROAD CLOSED	DO NOT ENTER		ONE WAY		ONE WAY	DETOUR	DETOUR	ROAD CLOSED AHEAD	DETOUR AHEAD	ROAD CLOSED TO THRU TRAFFIC	DETOUR	DETOUR	DETOUR	BEGIN ONE WAY	ELEANOR TINSLEY WAY	TYPE III BARRICADE
CW20-1D 48 X 48	M4-8a 24 X 18	R11-2 48 X 30	R5-1 36 X 36	R3-1	R6-1L	R3-2	R6-1R	M4-10L 48 X 18	M4-10R 48 X 18	CW20-3D 48 X 48	CW20-2D 48 X 48	R11-4	M4-9R 30 X 30	M4-9L 30 X 30	M4-9S 30 X 24		M4-9N 30 X 12	

Y	X	W
IH-45 FRONTAGE ROAD	VAUGHN STREET	END ROAD WORK
M4-9N 30 X 12	M4-9N 30 X 12	G20-2A 36X18

WARNING

0 1

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO

C-51

NO.	REVISION	REVISION	APP.

ARDURRA

3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN VAUGHN STREET DETOUR-04

WBS NUMBER	R-001000-0035-4
DRAWING SCALE	AS NOTED
CITY OF HOUSTON PM	NEIL BARNSDALE, P.E.
SHEET NO. 66	OF 403

FOR CITY OF HOUSTON USE ONLY

90% SUBMITTAL

PLOTTED: 5/13/2026 5:24 PM

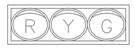
PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\gottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-TEMP SIGNAL-DUMBLE AT TELEPHONE-22x34.dwg

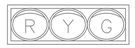
NOTES:

1. CONTRACTOR SHALL RECONFIGURE DETECTOR ZONES AND REALIGN SIGNAL HEADS WITH LANES OF TRAFFIC DURING DIFFERENT PHASES OF CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN AND KEEP OPERATIONAL ALL INTELLIGENT TRANSPORTATION SYSTEMS (ITS) INFRASTRUCTURE DURING CONSTRUCTION. INFRASTRUCTURE INCLUDES BUT IS NOT LIMITED TO FIBER CABLE, COPPER, ETHERNET SWITCHES, WIMAX, BLUETOOTH, ETC. INTERRUPTION OF ITS OPERATIONS SHALL REQUIRE APPROVAL FROM THE CITY OF HOUSTON TRAFFIC OPERATIONS DIVISION/ITS SECTION AT A MINIMUM OF ONE WEEK IN ADVANCE. PLEASE CONTACT THE TRAFFIC OPERATIONS DIVISION/ITS SECTION AT 713-881-3172.
3. BEFORE ANY TRAFFIC MOVES ARE MADE INVOLVING SIGNAL WORK, CONTACT PWE/TOD SIGNAL ENGINEERING SECTION AT 713-881-3172 AT LEAST 72 HOURS IN ADVANCE.
4. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO PUSH BUTTONS DURING DIFFERENT PHASES OF CONSTRUCTION AT THE INTERSECTION AND USE CROSSWALK CLOSED SIGNS ACCORDINGLY.
5. CONTRACTOR SHALL DISCONNECT POWER TO AND BAG VEHICULAR AND/OR PEDESTRIAN SIGNAL HEADS THAT ARE NOT APPLICABLE DURING A CONSTRUCTION PHASE WITH APPROVED MATERIAL. THE APPROVED MATERIAL SHALL COMPLETELY COVER THE SIGNAL HEADS AND SHALL OBSCURE THE VIEW OF INDICATIONS. CONTRACTOR SHALL OBTAIN APPROVAL FROM CITY BEFORE BAGGING ANY SIGNAL FACES.
6. CONTRACTOR TO PROVIDE ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
7. UPON COMPLETION OF ALL CONSTRUCTION, THE CONTRACTOR SHALL PLACE THE EXISTING SIGNAL INTO OPERATION AND VERIFY THAT ALL EXISTING SIGNAL ELEMENTS ARE FULLY RESTORED AND OPERATING IN ACCORDANCE WITH PRE-CONSTRUCTION CONDITIONS.

EXISTING SIGNAL HEADS AND OVERHEAD SIGNS



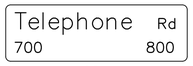
B,C,D,E,F



G,H
(BAG SIGNAL HEADS)

A

S7



S8

S4, S4*

S2

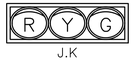
S5, S5*, S6

S1

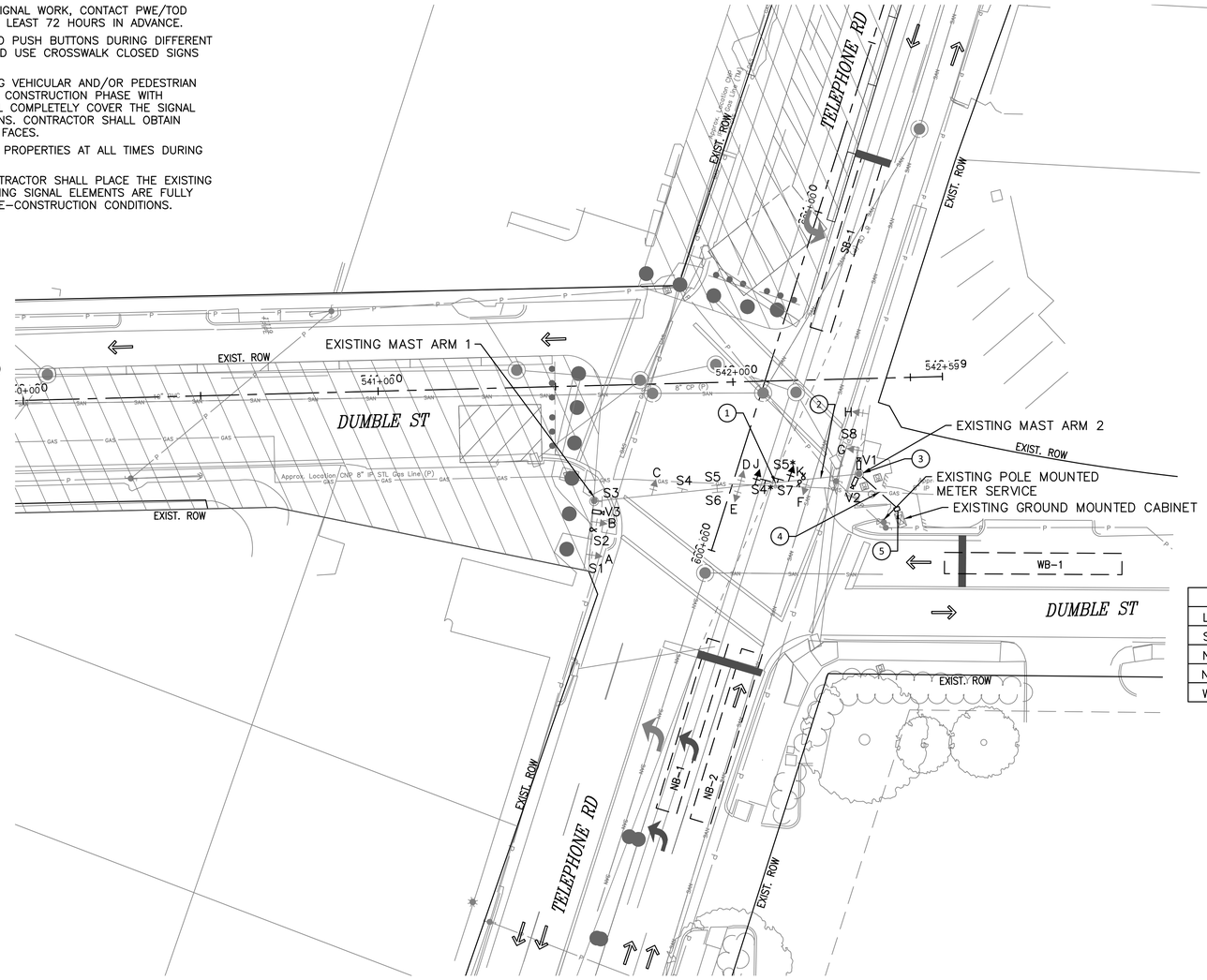
S3

* = RELOCATE SIGN

TEMPORARY SIGNAL HEADS



J.K



TEMPORARY TRAFFIC SIGNAL PHASING		
ø6	ø4	ø8
ø6	ø4	ø8

N

DETECTION ZONE CHART			
LOOP	SIZE	APPROACH	CAMERA
SB-1	6'X50'	SOUTHBOUND THROUGH	V1
NB-1	6'X50'	NORTHBOUND THROUGH	V2
NB-2	6'X50'	NORTHBOUND THROUGH	V2
WB-1	6'X50'	WESTBOUND THROUGH	V3

ELECTRICAL SCHEDULE						
	DESCRIPTION	RUN NUMBER				
		1	2	3	4	5
POWER	#4 AWG XHHW					
	#8 AWG SOLID					
PREEMPTION	3/C #20 (7X28)	1	3	3	3	3
VIVDS	#18 6-TWP	1	1	3	3	3
SIGNAL CABLE	7/C #14	1	2	2	2	2
CONDUIT	2" PVC					
	3" PVC				1	1

LEGEND

- PHASE I WORKZONE
- EXISTING CONTROLLER CABINET
- EXISTING METER POLE
- EXIST. VEHICULAR SIGNAL HEAD
- TEMP. VEHICULAR SIGNAL HEAD
- EXIST. OVERHEAD SIGN
- TEMP. OVERHEAD SIGN
- TEMP. SIGNAL POLE
- TEMP. PED SIGNAL HEAD
- TEMP. PED PUSH BUTTON
- TEMP. VIVDS CAMERA
- DETECTION ZONE
- TEMP. OPTICOM
- GROUND MOUNTED SIGN
- TEMP. CONDUIT
- TEMP. PULL BOX
- DIRECTION OF TRAVEL

0' 10' 20' 40'

SCALE: 1"=20'

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY

NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TEMPORARY SIGNAL PLAN
DUMBLE ST AT TELEPHONE RD

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-52

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 67 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:25 PM

PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-TEMP SIGNAL-DUMBLE AT TELEPHONE-22x34.dwg

NOTES:

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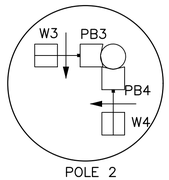
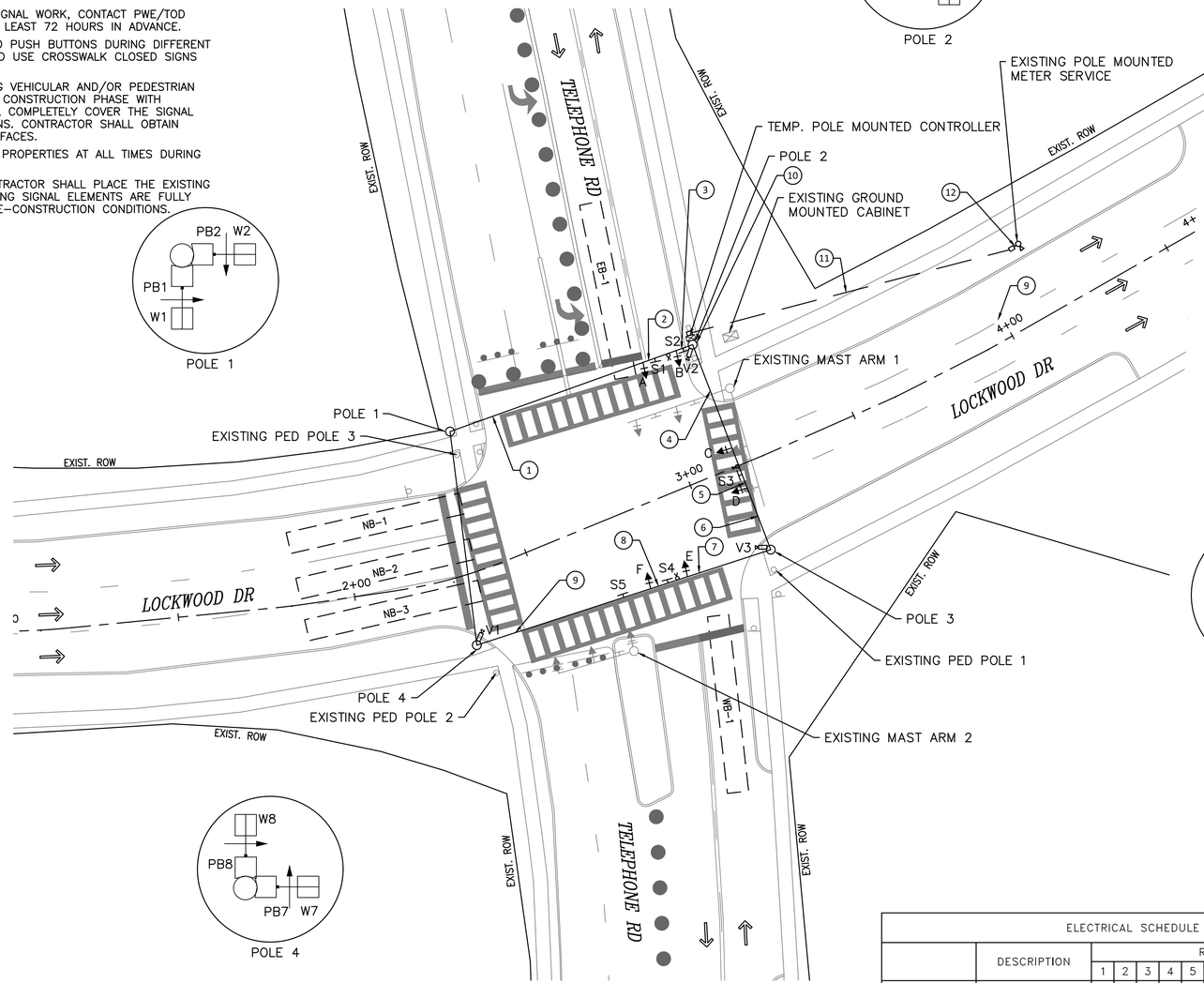
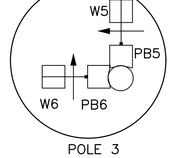
POLE 1



POLE 2





POLE 3

POLE 4

PROPOSED POLE & CONTROLLER LOCATION				
POLE NO.	BASE LINE STATION	OFFSET	POLE HEIGHT	DESCRIPTION
POLE 1	2+42.52	39.60'LT	40'	WOOD POLE
POLE 2	3+15.58	36.40' LT	40'	WOOD POLE W/ CONTROLLER
POLE 3	3+14.08	25.33' RT	40'	WOOD POLE
POLE 4	2+29.49	19.82' RT	40'	WOOD POLE
POLE 5	EXISTING METER POLE			

DETECTION ZONE CHART			
LOOP	SIZE	APPROACH	CAMERA
EB-1	6'X50'	EASTBOUND THROUGH	V1
WB-1	6'X50'	WESTBOUND THROUGH	V2
NB-1	6'X50'	NORTHBOUND THROUGH	V3
NB-2	6'X50'	NORTHBOUND THROUGH	V3
NB-3	6'X50'	NORTHBOUND THROUGH	V3

TEMPORARY TRAFFIC SIGNAL PHASING		
ø8	ø2	ø6
ø8	ø2	ø6

N

LEGEND

- PHASE I WORKZONE
- EXISTING CONTROLLER CABINET
- EXISTING METER POLE
- EXIST. VEHICULAR SIGNAL HEAD
- TEMP. VEHICULAR SIGNAL HEAD
- EXIST. OVERHEAD SIGN
- TEMP. OVERHEAD SIGN
- TEMP. SIGNAL POLE
- TEMP. PED SIGNAL HEAD
- TEMP. PED PUSH BUTTON
- TEMP. VIVDS CAMERA
- DETECTION ZONE
- TEMP. OPTICOM
- GROUND MOUNTED SIGN
- TEMP. CONDUIT
- TEMP. PULL BOX
- DIRECTION OF TRAVEL

SIGNAL HEADS AND OVERHEAD SIGNS

B,D,F A,C,E

S4

S1

S3

S5

S2

PROPOSED PEDESTRIAN SIGN DETAILS

R10-3eL W/ PEDESTRIAN PUSH BUTTON PB2,PB4, PB6,PB8

R10-3eR W/ PEDESTRIAN PUSH BUTTON PB1,PB3, PB5,PB7

16" LED COUNTDOWN

W1-W8

ELECTRICAL SCHEDULE													
	DESCRIPTION	RUN NUMBER											
		1	2	3	4	5	6	7	8	9	10	11	12
POWER	#4 AWG XHHW											2	2
	#8 AWG SOLID											1	1
PREEMPTION	3/C #20 (7X28)			1	2	2	2	1			3		
VIVDS	#18 6-TWP			1	2	1	1	1	1	1	3		
SIGNAL CABLE	7/C #14		1	2	4	3	2	2	1		6		
PED CABLE	5/C #14	2	2	2	4	4	4	2	2	2	8		
	3/C #14	2	2	2	4	4	4	2	2	2	8		
CONDUIT	2" PVC											1	1
	3" PVC												

0' 10' 20' 40'

SCALE: 1"=20'

ARDURRA
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TBPE Firm Registration No. F-10053

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P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH
DRAWN BY: C. RUBIT
CHECKED BY: R. HIREMATH
REVIEWED BY: A. FASCHAN
APPROVED BY: A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TEMPORARY SIGNAL PLAN LOCKWOOD DR AT TELEPHONE RD

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-53

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 68 OF 403	

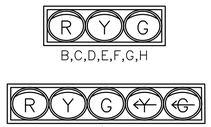
90% SUBMITTAL

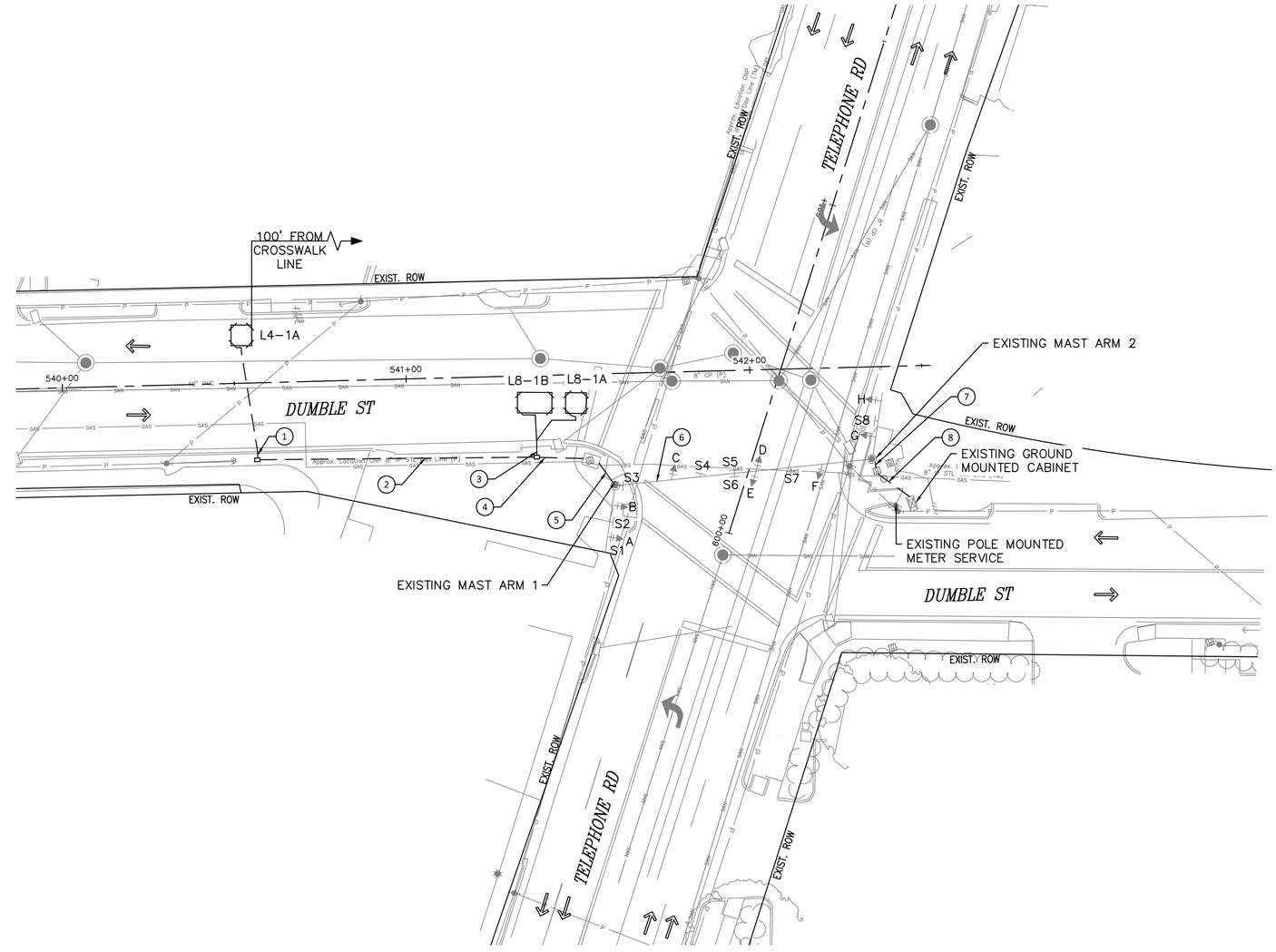
PLOTTED: 5/13/2026 5:25 PM

PLOT STYLE: 2025 COH.ctb

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-TEMP SIGNAL-DUMBLE AT TELEPHONE-22x34.dwg

EXISTING SIGNAL HEADS AND OVERHEAD SIGNS





LEGEND

- EXISTING CONTROLLER CABINET
- EXISTING METER POLE
- EXIST. VEHICULAR SIGNAL HEAD
- EXIST. OVERHEAD SIGN
- EXIST. SIGNAL POLE
- EXIST. OPTICOM
- EXIST. GROUND MOUNTED SIGN
- PROP. CONTROLLER CABINET
- PROP. METER POLE
- PROP. VEHICULAR SIGNAL HEAD
- PROP. OVERHEAD SIGN
- PROP. SIGNAL POLE
- PROP. OPTICOM
- PROP. GROUND MOUNTED SIGN
- PROP. PULL BOX
- PROP. LOOP DETECTION (SAWCUT)
- DIRECTION OF TRAVEL

N

0' 10' 20' 40'

SCALE: 1"=20'

NOTES:

EXISTING ITS INFRASTRUCTURE AT A MODIFIED SIGNALIZED INTERSECTION MUST BE SHOWN ON DESIGN PLANS AND KEPT OPERATIONAL DURING CONSTRUCTION. ANY INTERRUPTION OF ITS OPERATIONS REQUIRES CITY OF HOUSTON TRAFFIC OPERATIONS DIVISION/ITS SECTION APPROVAL AT A MINIMUM OF ONE (1) WEEK IN ADVANCE. IF THE EXISTING TRAFFIC SIGNAL DOES NOT HAVE ITS COMMUNICATIONS, NEW ITS INFRASTRUCTURE SHALL BE INSTALLED AND INCLUDED IN THE DESIGN. CONTACT THE TRAFFIC OPERATIONS DIVISION/ITS SECTION FOR QUESTIONS AND/OR REQUEST AT 713.881.3172 OR 713.843.5458.

SPEED LIMIT	
DUMBLE ST	30 MPH
TELEPHONE RD	30 MPH

ELECTRICAL SCHEDULE

	DESCRIPTION	RUN NUMBER							
		1	2	3	4	5	6	7	8
LOOP CABLE	RLW	1		2					
	DLC		1		3	3	3	3	3
CONDUIT	1" PVC	1		1					
	2" PVC		1		1	1			

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CITY OF HOUSTON

HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
TRAFFIC SIGNAL MODIFICATION
DUMBLE ST AT TELEPHONE RD

WARNING
0 1
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DWG NO
C-54

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 69 OF 403	

90% SUBMITTAL

PLOTTED: 5/13/2026 5:25 PM
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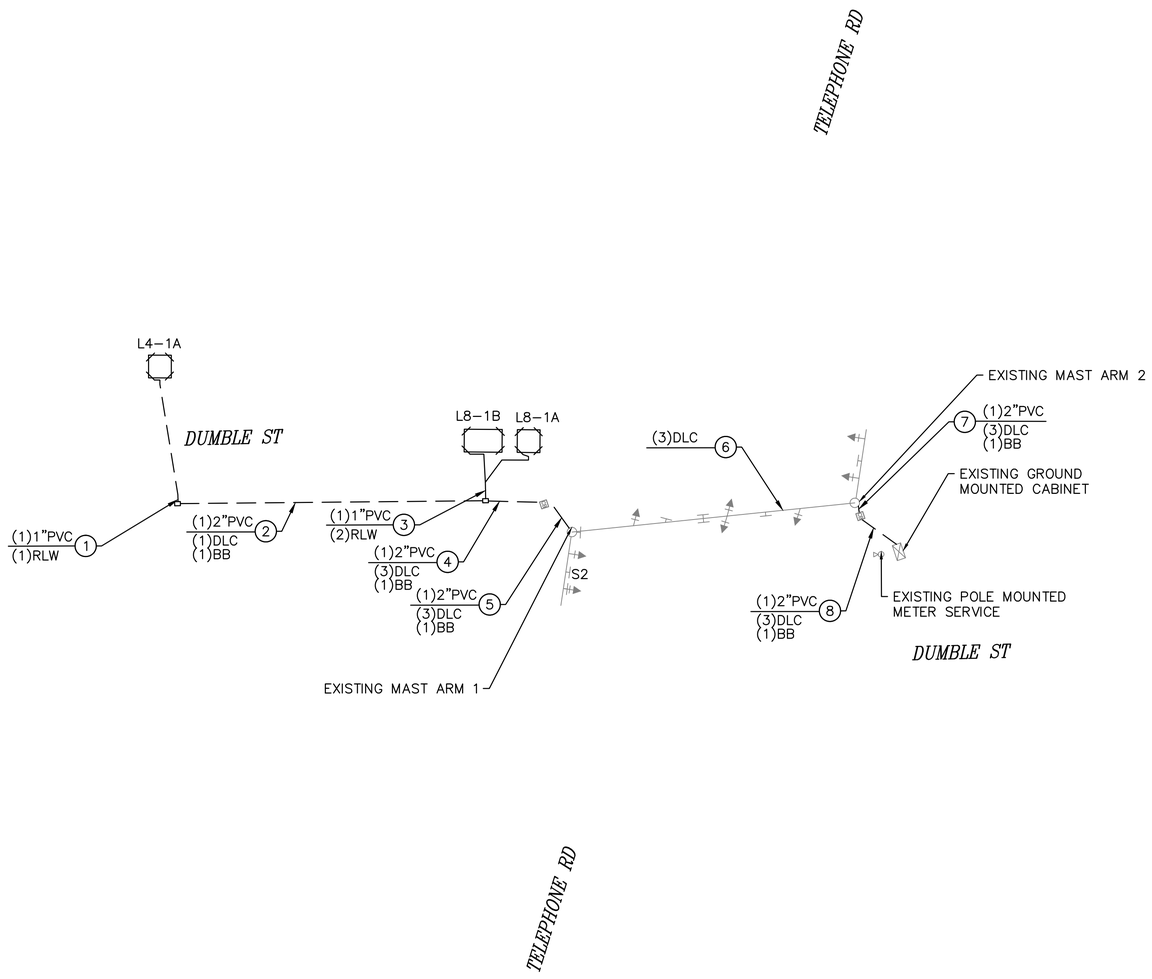

LEGEND

- EXISTING CONTROLLER CABINET
- EXISTING METER POLE
- EXIST. VEHICULAR SIGNAL HEAD
- EXIST. OVERHEAD SIGN
- EXIST. SIGNAL POLE
- EXIST. OPTICOM
- EXIST. GROUND MOUNTED SIGN
- PROP. CONTROLLER CABINET
- PROP. METER POLE
- PROP. VEHICULAR SIGNAL HEAD
- PROP. OVERHEAD SIGN
- PROP. SIGNAL POLE
- PROP. OPTICOM
- PROP. GROUND MOUNTED SIGN
- PROP. PULL BOX
- PROP. LOOP DETECTION
- DIRECTION OF TRAVEL

N.T.S.

LOW VOLTAGE CIRCUIT

(X)Y"C = NUMBER, SIZE, AND TYPE OF CONDUIT
DLC = DETECTOR LEAD-IN CABLE, #14 AWG (I.M.S.A. 50-2-1984)
PS = PRE-EMPT SENSOR, OPTICOM, #20 3CC-SHIELDED CABLE (3M MODEL 138)
SRP = SPP RADIO POWER CABLE, CAT5E #24 AWG
RLW = ROADWAY LOOP DETECTOR WIRE, #14 AWG (IMSA 51-5-1985)
BB = BARE BOND, #8 AWG SOLID

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1
TRAFFIC SIGNAL MODIFICATION
DUMBLE ST AT TELEPHONE RD
LOW VOLTAGE SCHEMATIC

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-55

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
AS NOTED	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 70 OF 403	

90% SUBMITTAL
PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:26 PM
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GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) LATEST EDITION WITH REVISIONS DURING THE ENTIRE CONSTRUCTION PERIOD.
2. ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL CONFORM THE LATEST VERSION OF THE TMUTCD.
3. NO LANES SHALL BE CLOSED DURING THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 6:00 PM MONDAY THRU FRIDAY WITHOUT APPROVAL OF THE CITY TRAFFIC ENGINEER.
4. NO WORK SHALL BE PERFORMED IN RESIDENTIAL AREAS FROM 7:00 PM TO 7:00 AM.
5. CONTRACTOR SHALL MAINTAIN APPROVED NUMBER OF THROUGH LANES OF TRAFFIC IN EACH DIRECTION DURING CONSTRUCTION WORKING HOURS. TRAFFIC CONTROL PLANS SHALL INCLUDE ONE-WAY AND/OR DETOUR PLANS. CONTRACTOR SHALL MAINTAIN ADA COMPLIANT PEDESTRIAN ACCESS TO BUS STOPS AND ADEQUATE BUS ACCESS TO ALL THE BUS STOPS.
6. CONTRACTOR SHALL MAINTAIN TRAFFIC LANES AND DETOURS ACCORDING TO TRAFFIC CONTROL PLANS DURING WORKING HOURS.
7. CONTRACTOR SHALL COVER OPEN PAVEMENT EXCAVATIONS FOR MINOR UTILITY WORK WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, AND OPEN LANES FOR NORMAL TRAFFIC FLOW WHEN FEASIBLE.
8. IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF "TRAFFIC CONTROL PLANS" DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND SUBMIT AN ALTERNATE SET OF TRAFFIC CONTROL PLANS TO THE CITY OF HOUSTON PROJECT MANAGER FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION. THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLARS AND SHALL BE SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. OFFICE OF CITY ENGINEER, MOBILITY PERMITS SECTION REPRESENTATIVE APPROVAL IS REQUIRED TO ACCEPT THE PROPOSED CHANGES.
9. CONTRACTOR SHALL SECURE LANE/SIDEWALK/BICYCLE FACILITY CLOSURE PERMITS FROM OFFICE OF CITY ENGINEER (MOBILITY PERMIT SECTION AT https://geohub.houstontx.gov) BEFORE IMPLEMENTING THE TRAFFIC CONTROL PLAN. THE APPLICATION MUST BE SUBMITTED AT LEAST TEN DAYS PRIOR TO THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN AND/OR BEGINNING CONSTRUCTION WORK. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, CONSTRUCTION SEQUENCING, AND CONSTRUCTION SCHEDULE WITH THE APPLICATION.
10. CONTRACTOR SHALL HAVE APPROVED TRAFFIC CONTROL PLAN AND PERMIT AT THE JOB SITE FOR INSPECTION AT ALL TIMES.
11. DURING PAVEMENT SURFACE RESTORATION PROJECTS; THE CONTRACTOR SHALL NOT OPEN CLOSED LANES UNTIL THE PAVEMENT SURFACE HAS CURED ENOUGH TO ALLOW VEHICULAR TRAFFIC ACCORDING TO CITY OF HOUSTON STANDARD SPECIFICATIONS.
12. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING AND COORDINATING ALL CONSTRUCTION ACTIVITIES WITH STAKE HOLDERS IN THE VICINITY INCLUDING EMERGENCY RESPONSE AGENCIES SUCH AS HOUSTON POLICE DEPARTMENT, HOUSTON FIRE DEPARTMENT, AND METROPOLITAN TRANSIT AUTHORITY.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ISSUING ALL WORK DIRECTIVES TO ALL SUB-CONTRACTORS, UTILITY COMPANIES, AND ALL OTHER ENTITIES PERFORMING CONSTRUCTION WORK ASSOCIATED WITH THE PROJECT.
14. NOTHING IN THESE NOTES OR PLANS SHALL RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT; INCLUDING SAFETY OF ALL MODES OF TRANSPORTATION, PERSONS, AND PROPERTY, AND THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO WORKING HOURS.
15. THE OFFICE OF CITY ENGINEER (MOBILITY PERMITS GROUP) PER THE DIRECTION OF THE CITY TRAFFIC ENGINEER HAVE THE RIGHT TO DEMAND THE INSTALLATION OF ADDITIONAL TRAFFIC CONTROL DEVICES OR MODIFICATIONS OF THESE PLANS AND NOTES, AS DEEMED NECESSARY TO PROMOTE THE SAFE AND ORDERLY FLOW OF TRAFFIC, INCLUDING PEDESTRIANS AND BICYCLES, THROUGH THE CONSTRUCTION WORK ZONE. THE CONTRACTOR SHALL COMPLY WITH THESE ADDITIONAL REQUESTS OR MODIFICATIONS WITH DUE DILIGENCE.
16. ALL EXISTING TRAFFIC CONTROL SIGNS AND PAVEMENT MARKINGS SHALL BE MAINTAINED IN VISIBLE LOCATIONS DURING CONSTRUCTION UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER. THE CONTRACTOR SHALL RESTORE OR REPLACE (AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER) ANY PAVEMENT MARKING OR SIGNING DAMAGE DURING CONSTRUCTION OPERATIONS, INCLUDING RAISED PAVEMENT MARKERS (RPMS).
17. WHEN ENTERING OR LEAVING ROADWAYS CARRYING PUBLIC TRAFFIC, THE CONTRACTOR'S EQUIPMENT, WHETHER EMPTY OR LOADED SHALL IN ALL CASES YIELD TO PUBLIC TRAFFIC WITH THE ASSISTANCE OF CONTRACTOR PROVIDED CERTIFIED FLAGGER/PEACE OFFICER.
18. ACCESS TO DRIVEWAYS ADJACENT TO THE CONSTRUCTION WORK ZONE SHALL BE MAINTAINED AT ALL TIMES AS MUCH AS POSSIBLE. ADDITIONAL CONES AND/OR DELINEATORS MAY BE REQUIRED TO DELINEATE THE DRIVEWAY ACCESS ROUTE THROUGH THE CONSTRUCTION WORK ZONE. A MINIMUM OF ONE TRAVEL LANE SHALL BE MAINTAINED ACROSS THE DRIVEWAYS, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM CITY OF HOUSTON PROJECT MANAGER.
19. SPILLAGE RESULTING FROM HAULING OPERATIONS ALONG OR ACROSS ANY PUBLIC TRAVELED WAY SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.
20. THE CONTRACTOR SHALL SUBMIT AN APPLICATION FOR TEMPORARY PARKING RESTRICTIONS IF THERE ARE PARKING METERS LOCATED AT THE PROPOSED LANE CLOSURES FROM PARKING MANAGEMENT DIVISION (832-393-8690) AT LEAST TEN BUSINESS DAYS BEFORE IMPLEMENTATION OF LANE CLOSURES. IN ADDITION, TEMPORARY NO PARKING SIGNS SHALL BE POSTED 24 HOURS PRIOR TO COMMENCEMENT OF WORK.
21. ADDITIONAL OFF DUTY OFFICERS/FLAGGERS MAY BE REQUESTED TO DIRECT TRAFFIC WHEN LANES ARE BLOCKED AT THE DISCRETION OF THE CITY PROJECT MANAGER EVEN IF THEY ARE NOT SPECIFICALLY IDENTIFIED ON THE PROJECT PLANS.
22. THE CONTRACTOR SHALL REPLACE WITHIN 72 HOURS, ALL TRAFFIC SIGNAL LOOP DETECTORS DAMAGED DURING CONSTRUCTION.
23. IN GENERAL, A SOLAR POWERED FLASHING ARROW BOARD SHALL BE REQUIRED ON ALL MAJOR THOROUGHFARE LANES CLOSURES. EXCEPTIONS TO FLASHING ARROW BOARDS AND/OR IMPLEMENTATION ON RESIDENTIAL LANE CLOSURES SHALL BE APPROVED BY CITY TRAFFIC ENGINEER.
24. APPROVED TRAFFIC CONTROL PLAN SHALL BE IN PLACE BEFORE STARTING ANY EXCAVATION.
25. WATER FILLED BARRIERS CAN BE USED AS INSTRUCTED BY THE ENGINEER AND APPROVED BY THE CITY FOR PROJECTS WHERE SPACE IS LIMITED AND HEAVY EQUIPMENT TO PLACE CONCRETE BARRIERS IS NOT FEASIBLE. WATER FILLED BARRIERS SHALL NOT BE USED ON ROADWAYS WITH A POSTED SPEED LIMIT MORE THAN 45 MPH.
26. WATER FILLED BARRIERS MUST BE INSTALLED AND MAINTAINED PER THE MANUFACTURER'S REQUIREMENTS AND ROUTINELY INSPECTED FOR DEFECTS.
27. IF WATER FILLED BARRIER IS PROVIDED, USE ENVIRONMENTALLY SAFE ANTI-FREEZING AGENT IN THE WATER WHEN IT IS APPLICABLE PER MANUFACTURER SPECIFICATIONS AND RECOVER AGENT WHEN THE BARRIER IS DRAINED.
28. DISPOSE OF WATER AND AGENT PROPERLY. DO NOT DRAIN WATER FILLED BARRIER INTO OR ACROSS AN EXISTING TRAVEL LANE.
29. PROVIDE BARRIER UNITS THAT ARE CAPABLE OF BEING LIFTED AND MOVED WHEN FILLED IF DRAINING IS NOT POSSIBLE.
30. PROVIDE WATER FILLED BARRIER THAT ACTS AS ITS OWN FREE STANDING, NON-REDIRECTIVE END TREATMENT.
31. WHEN WATER FILLED BARRIERS ARE USED TO CHANNELIZE PEDESTRIANS, THEY MUST HAVE A CONTINUOUS DETECTABLE BOTTOM FOR USERS OF LONG CANES AND THE TOP OF THE UNIT SHALL NOT BE LESS THAN 32 INCHES IN HEIGHT.
32. ANY CLOSURE OF A PEDESTRIAN OR BICYCLE FACILITY SHALL REQUIRE THE SHORTEST DETOUR THAT MAINTAINS THE SAFETY OF PEDESTRIAN AND/OR BICYCLISTS.

SPACING FOR CHANNELIZING DEVICES

A. PLASTIC DRUMS ON MERGING TAPER @ 30' C – C WITH CHEVRON SIGN @ 60' C – C AND WARNING LIGHTS FOR OVERNIGHT CLOSURE.

B. PLASTIC DRUMS ON DOWNSTREAM TAPER @ 30' C – C (RETURN TAPER AND BARRICADE ARE OPTIONAL AND DIVIDED ROADWAY SECTION)

C. PLASTIC DRUMS ON RADII @ 35' C –C.

D. PLASTIC DRUMS ON TANGENT @ 35' C – C WITH VERTICAL PANEL AT 70' C – C AND APPROVED WARNING LIGHT @ 70' C – C (FOR OVERNIGHT CLOSURE).

E. PLASTIC DRUMS IN FRONT OF CONSTRUCTION ZONE @ 20' C – C WITH VERTICAL PANEL AT 40' C – C AND APPROVED WARNING LIGHT @ 40' C – C (FOR OVERNIGHT CLOSURE).

F. CONCRETE TRAFFIC BARRIER (CTB) OR LOW PROFILE CONCRETE TRAFFIC BARRIER (LPCTB) WITH APPROVED REFLECTORS @ 10' C – C IF PAVEMENT DROP IS GREATER THAN 1 FOOT.

G. PLASTIC DRUMS W/GUARD RAIL MOUNTED.

H. SELF- RIGHTING VERTICAL PANEL SPACING.
- 4 LANES TO 2 LANES UNDIVIDED ROADWAY SECTION @ 20' C – C.
- 4 LANES DIVIDED ROADWAY TO ONE SIDE TWO WAY ROADWAY @ 20' C – C.
- LEFT LANE AND RIGHT LANE STORAGE BAYS @ 15' C – C.

I. SPACING SHOWN ON TRAFFIC CONTROL SHALL SUPERSEDE THE ABOVE SPACING.

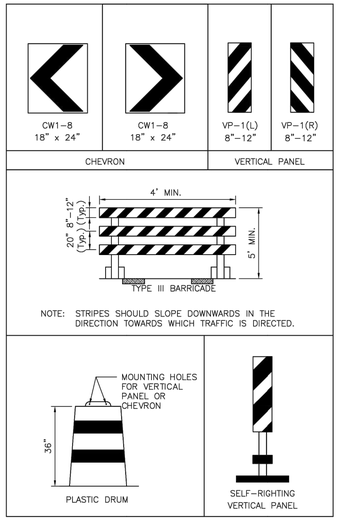
J. SPACING MAY BE ADJUSTED TO PROVIDE DRIVEWAYS, INTERSECTIONS AND /OR MEDIAN OPENINGS.

TABLE C3 – TYPICAL SIGN SPACING, TAPER LENGTHS, AND SUGGESTED SPACING OF CHANNELIZATION DEVICES

POSTED SPEED (MPH)	SIGN SPACING "X" (FEET)	MIN. DESIRABLE TAPER LENGTH "L"			SUGGESTED MAXIMUM SPACING OF DEVICE	
		10' OFFSET	11' OFFSET	12' OFFSET	ON A TAPER	ON A TANGENT
30	120'	150'	165'	180'	30'	60'–75'
35	160'	205'	225'	245'	35'	70'–90'
40	240'	265'	295'	320'	40'	80'–100'
45	320'	450'	495'	540'	45'	90'–110'
50	400'	500'	550'	600'	50'	100'–125'
55	500'	550'	605'	660'	55'	110'–140'

TABLE C4 – STOPPING SIGHT DISTANCE AS A FUNCTION OF SPEED

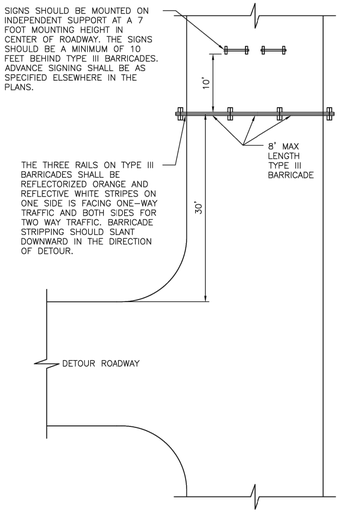
POSTED SPEED (MPH)	DISTANCE "D" (FEET)
30	200
35	250
40	305
45	360
50	425
55	495



CHANNELIZATION AND BARRICADES

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY



PLAN VIEW
TYPE III BARRICADE (POST AND SKID)
TYPICAL APPLICATION

APPROVED BY:	APPROVED BY:
Sukut Iranwar	Ethan Nguyen
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-01

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP NOTES CHANNELIZING DEVICES AND BARRICADES

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DWG NO
C-56

NO.	REVISION	REVISION	APP.

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Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY:	C. RUBIT	FB NO. P-6416
CHECKED BY:	R. HIREMATH	
REVIEWED BY:	A. FASCHAN	
APPROVED BY:	A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 1 OF 16)

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CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 71 OF 403	

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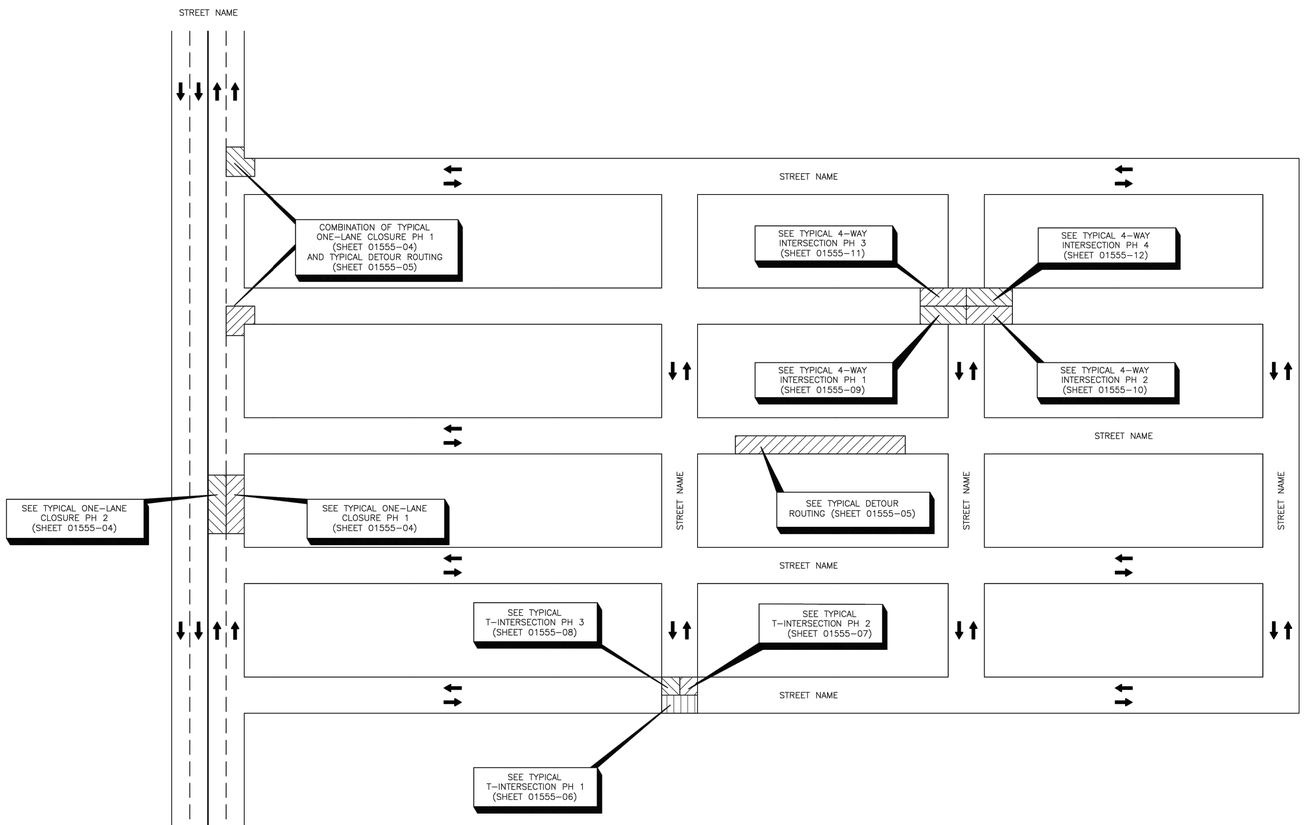

APPROVED BY:	APPROVED BY:
Docusigned by: Sukut Kanwar	Docusigned by: HANG NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Docusigned by: Curt Hollabaugh	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-02

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP OVERALL TRAFFIC CONTROL LAYOUT

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P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: C. RUBIT	FB NO. P-6416
CHECKED BY: R. HIREMATH	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 2 OF 16)

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CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 72 OF 403	

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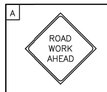							
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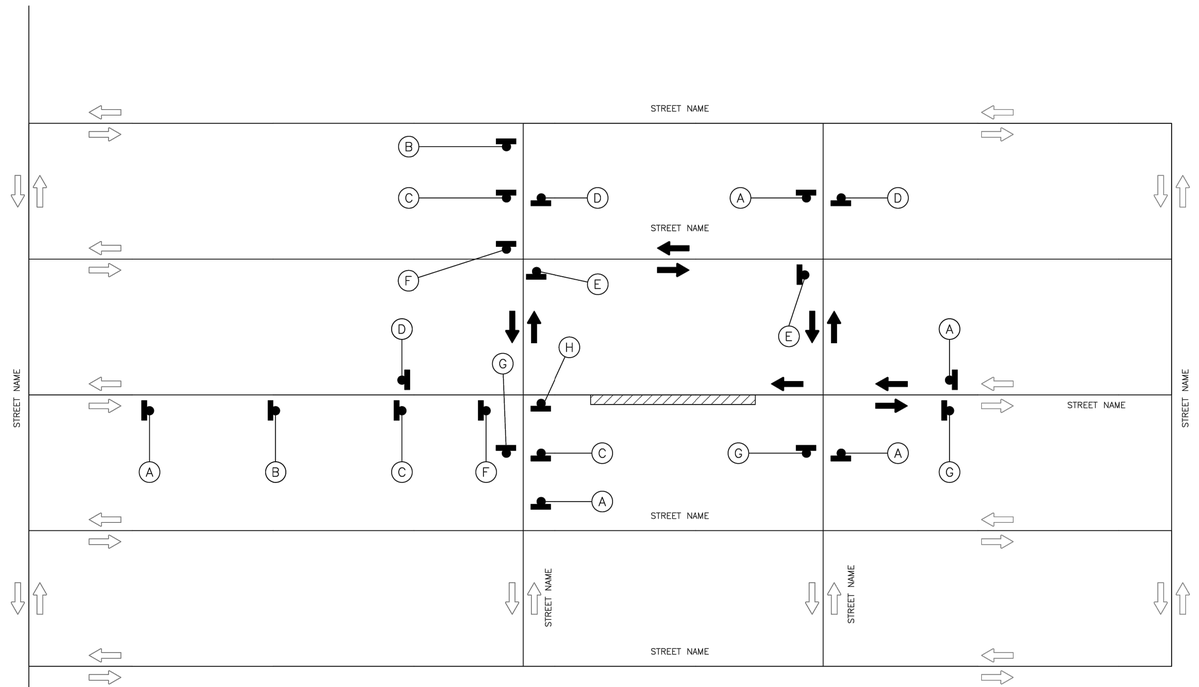

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Kunwar 8EF8B0C541F5478...	DocuSigned by: Hashing Nguyen 49A26EFDA7284CD...
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock 6B5C1A9E1B6B4E4...	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-03

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TRAFFIC CONTROL LAYOUT

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P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 3 OF 16)

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DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
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SHEET NO. 73 OF 403	

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A	D	I	J
ROAD WORK AHEAD	END ROAD WORK	RIGHT LANE CLOSED	LEFT LANE CLOSED
CW20-1	G20-2	AHEAD CW20-5(2) CW16-3	AHEAD CW20-5(1) CW16-3

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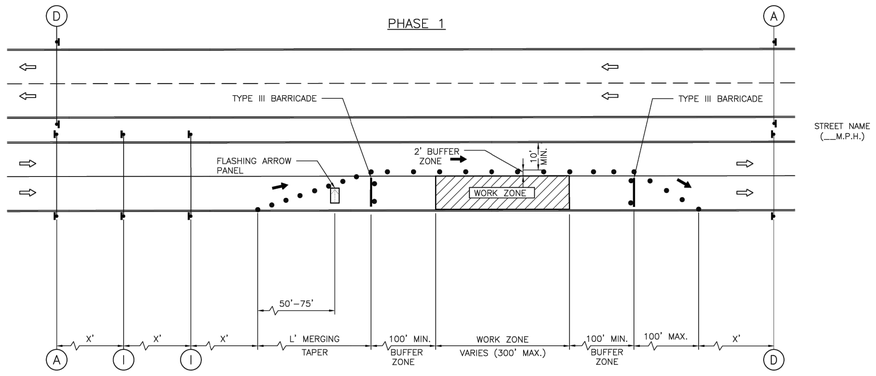

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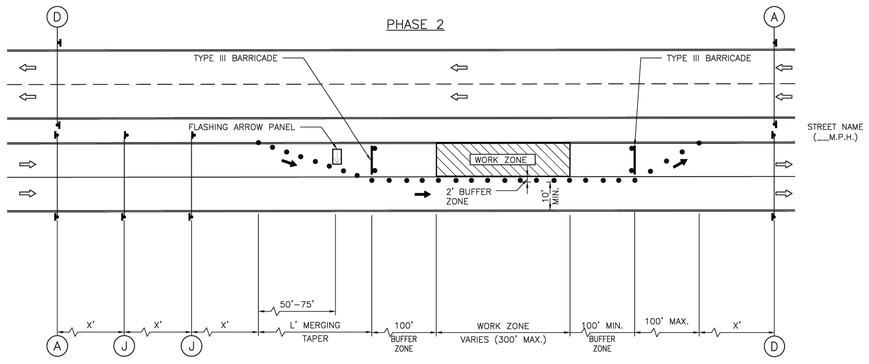


LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. RETURN TAPERS AND DOWNSTREAM BARRICADES ARE OPTIONAL ON A DIVIDED ROADWAY SECTION.
2. DOUBLE SIGNS SHALL BE USED ONLY ON ROADWAYS WITH MEDIANS.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Iranwar	DocuSigned by: HUNG NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-04

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP ONE LANE CLOSURE
PHASE 1 & 2

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: C. RUBIT	FB NO. P-6416
CHECKED BY: R. HIREMATH	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 4 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 74 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-59

90% SUBMITTAL

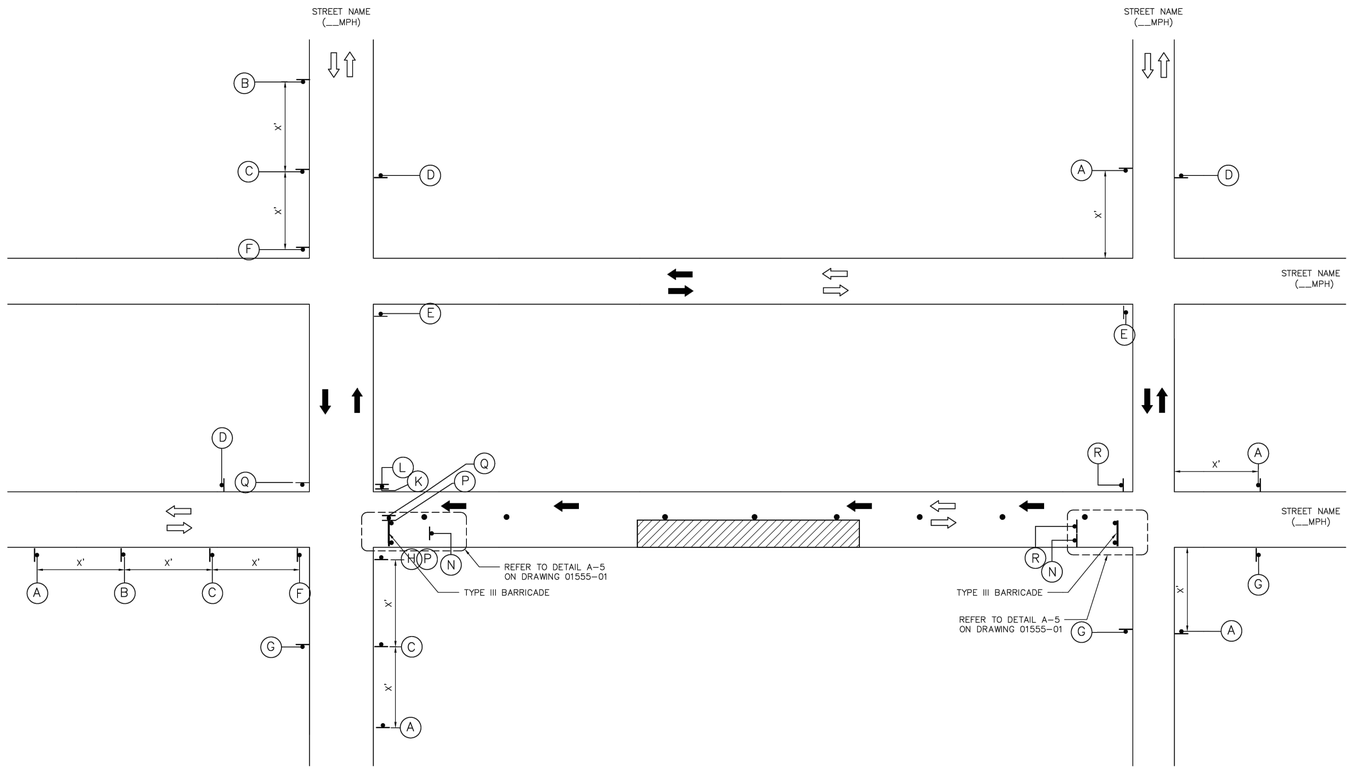
PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:26 PM

FILE PATH: C:\Users\jgottlieb\DC\ACCDocs\Ardurra, Inc\2024-1427\Project Files\03-Prod\03-Dwgs\C-TCP-22x34_STD DETAILS.dwg

DocuSign Envelope ID: CB71C116-B716-4899-A5EE-0D2F2CC55AF6

A	B	C	D	E	F	G	H	I	J
ROAD WORK AHEAD CW20-1	ROAD CLOSED AHEAD CW20-3	DETOUR AHEAD CW20-2	END ROAD WORK G20-2	STREET NAME DETOUR → M4-9R	STREET NAME DETOUR ← M4-9L	END DETOUR M4-8a	STREET NAME DETOUR ↑ M4-9T	RIGHT LANE CLOSED AHEAD CW20-5(2) CW16-3	LEFT LANE CLOSED AHEAD CW20-5(1) CW16-3

K	L	M	N	O	P	Q	R
ONE WAY ← R6-2(L)	ONE WAY → R6-2(R)	DO NOT ENTER R5-1	ROAD CLOSED R11-2	ROAD CLOSED M4-10(L)	 R3-1	 R3-2	BEGIN ONE WAY R6-6



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. A 10' MINIMUM LANE WIDTH FOR EMERGENCY SHALL BE MADE AVAILABLE AND MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
2. FOR DIMENSIONS REFER TO SHEET 01555-01.
3. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukat Kuswar	DocuSigned by: Hanif Aghayeen
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Hubbuch	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-05

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL DETOUR ROUTING WITH ONE LANE CLOSURE (ONE BLOCK)

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: C. RUBIT	FB NO. P-6416
CHECKED BY: R. HIREMATH	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 5 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 75 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-60

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:26 PM

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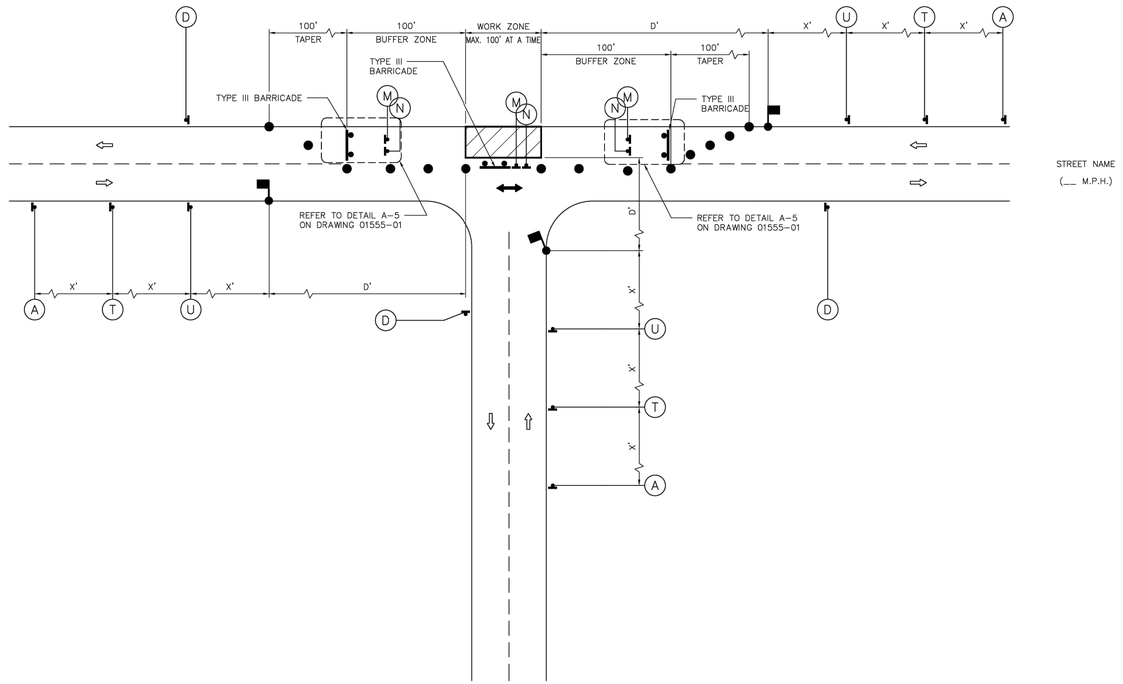
A	T	U	D	M	N
ROAD WORK AHEAD	ONE LANE ROAD AHEAD		END ROAD WORK	DO NOT ENTER	ROAD CLOSED
CW20-1	CW20-4	CW20-7	G20-2	R5-1	R11-2



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Iranwar 0EFB80C561F5478...	DocuSigned by: HANG NGUYEN 95A28EFDA7284CD...
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock 6B0C4A8E7B5D4E4...	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-06

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 1 OF 3

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 6 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 76 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-61

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:26 PM

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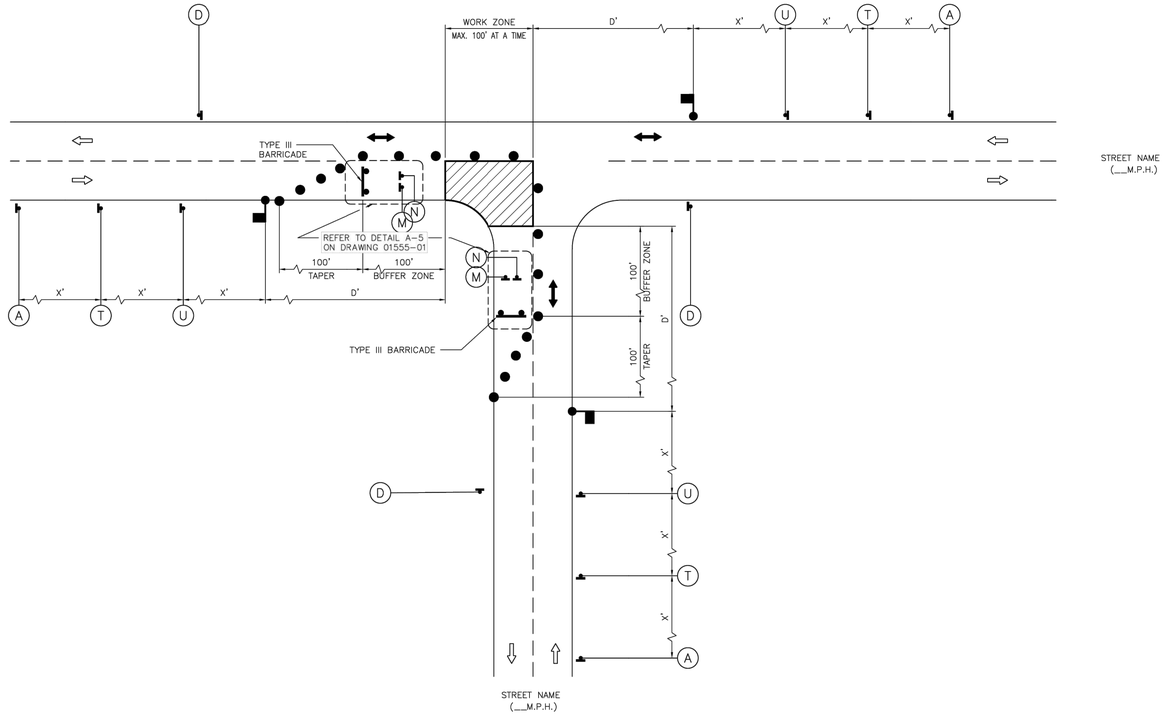
A	T	U	D	M	N
ROAD WORK AHEAD	ONE LANE ROAD AHEAD		END ROAD WORK	DO NOT ENTER	ROAD CLOSED
CW20-1	CW20-4	CW20-7	G20-2	R5-1	R11-2



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukat Kumar	DocuSigned by: BRIANS AGUILERA
CITY ENGINEER	CITY TRAFFIC ENGINEER

APPROVED BY:
DocuSigned by: Carl Haddock
DIRECTOR OF HOUSTON PUBLIC WORKS

EFF DATE: NOV-27-2023 | DWG NO: 01555-07

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 2 OF 3

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 7 OF 16)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-62

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 77 OF 403	

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:26 PM

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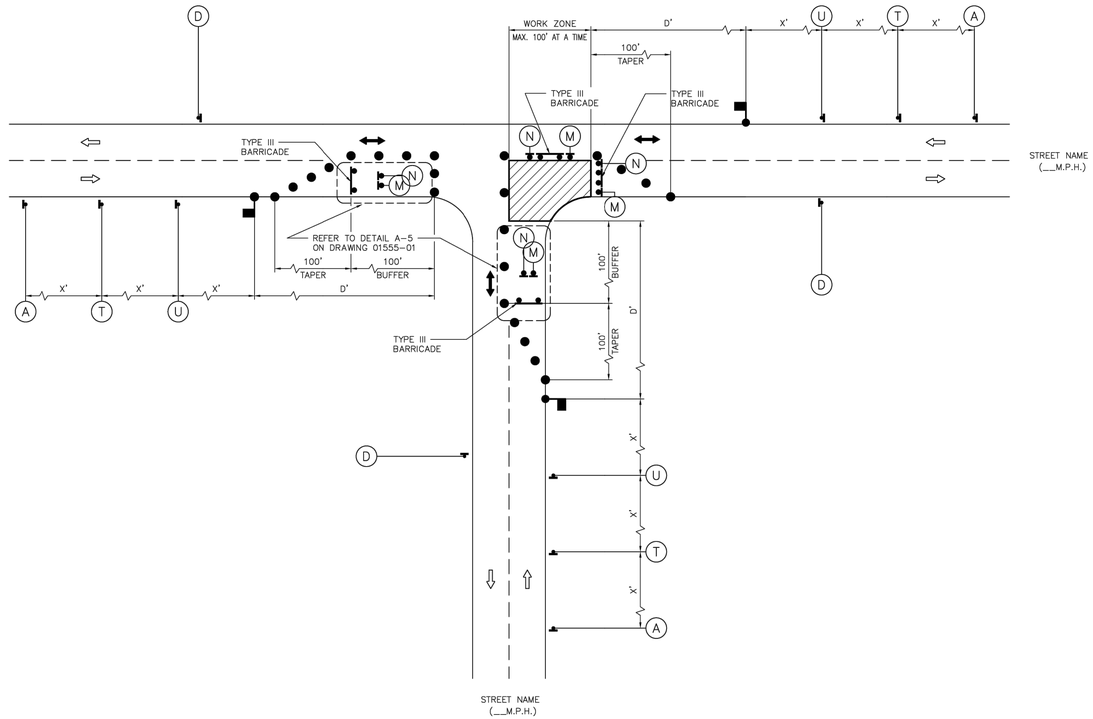
A	T	U	D	M	N
ROAD WORK AHEAD	ONE LANE ROAD AHEAD		END ROAD WORK	DO NOT ENTER	ROAD CLOSED
CW20-1	CW20-4	CW20-7	G20-2	R5-1	R11-2



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Kunwar	DocuSigned by: Ethan Nguyen
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by:	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-08

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A T-INTERSECTION PHASE 3 OF 3

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 8 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 78 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-63

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:27 PM

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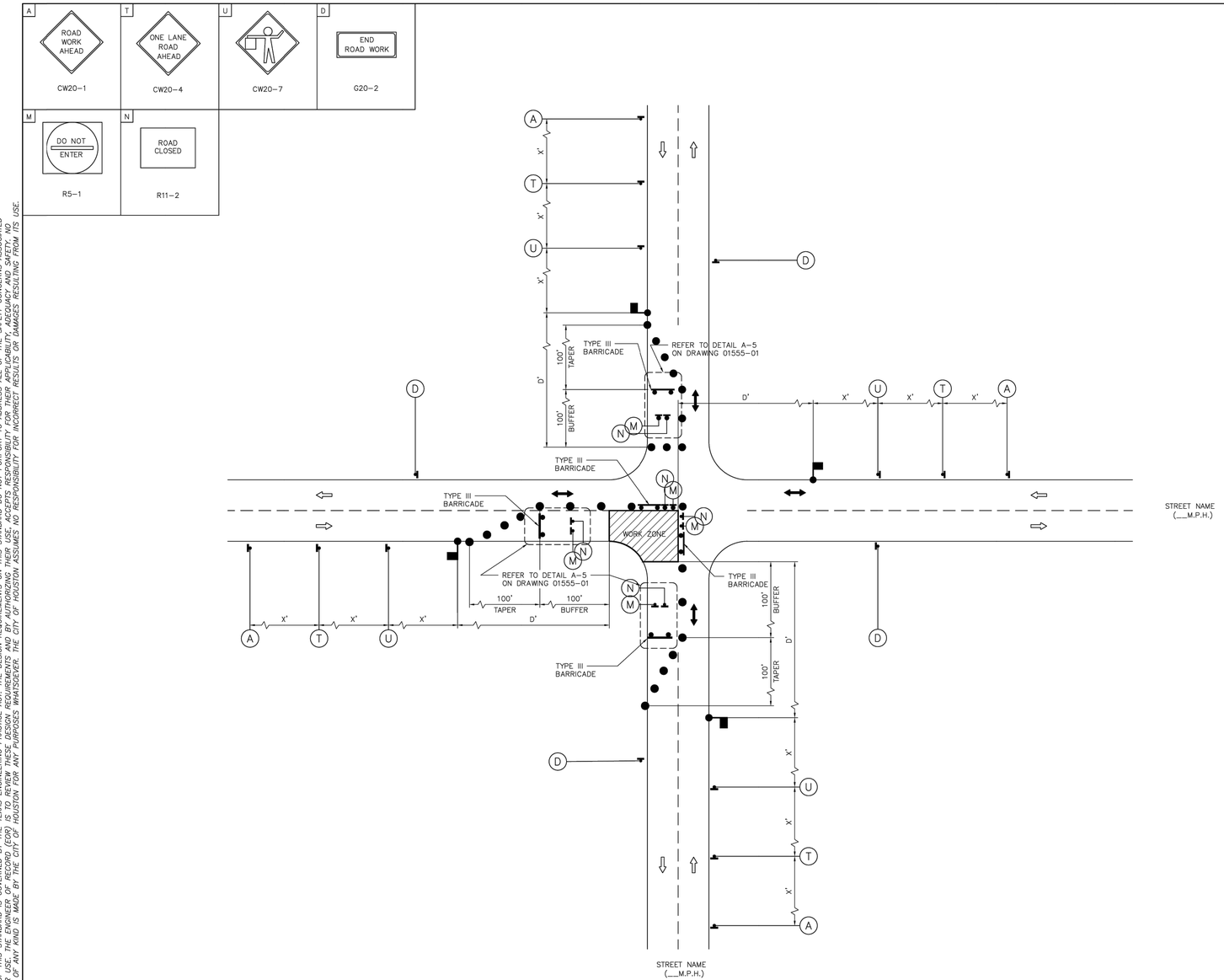

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

APPROVED BY:	APPROVED BY:
Sukat Kuswat	Eddins Aguilera
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Carl Hubbuch	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-09

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 1 OF 4

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-64

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 9 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 79 OF 403	

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:27 PM

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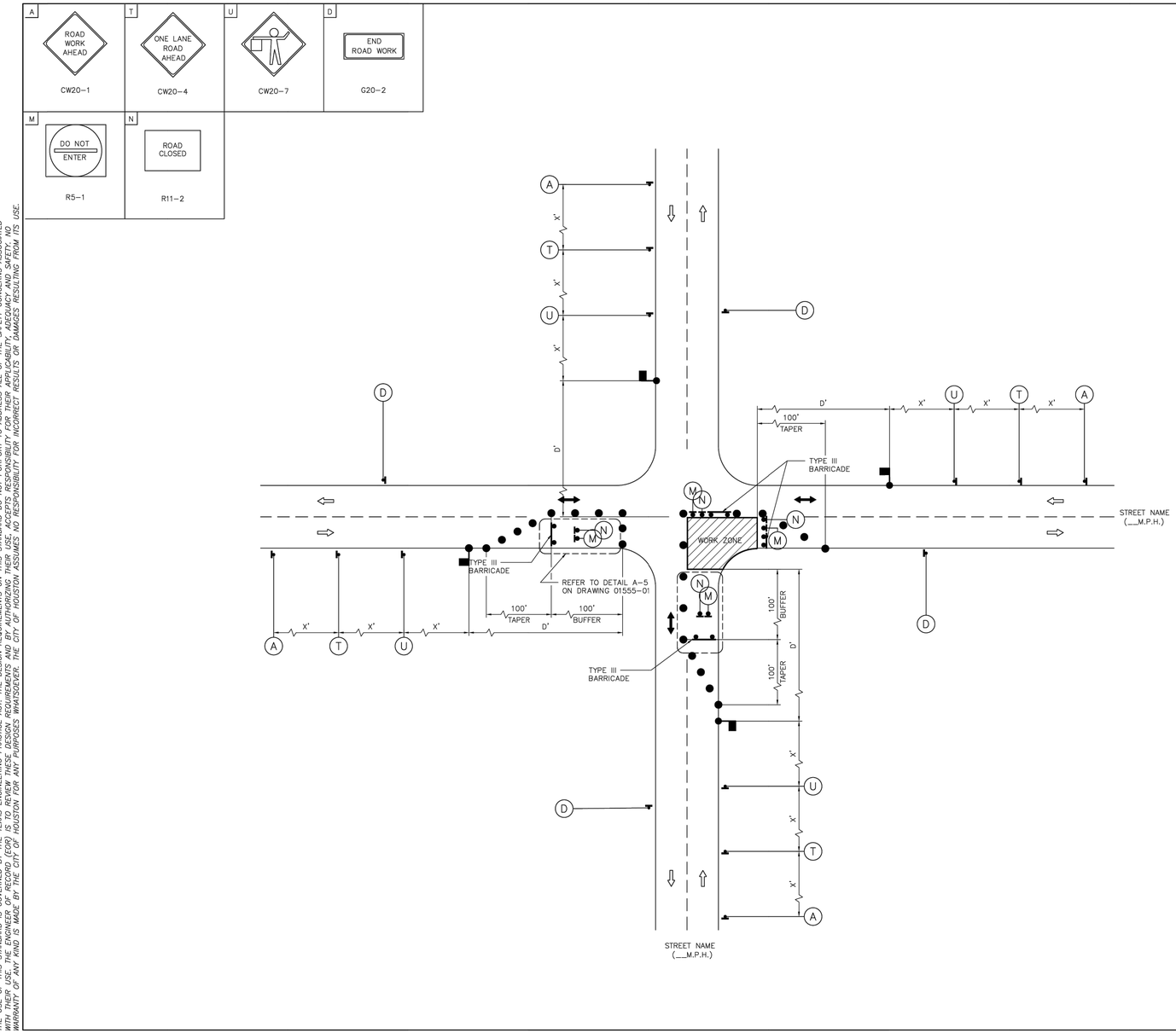

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
Docusigned by: Sukat Kanwar	Docusigned by: LEANNE NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: Docusigned by: Carl Hubbuch	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-10

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 2 OF 4

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 10 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 80 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-65

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

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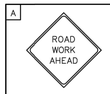 CW20-1	CW20-4	CW20-7	G20-2

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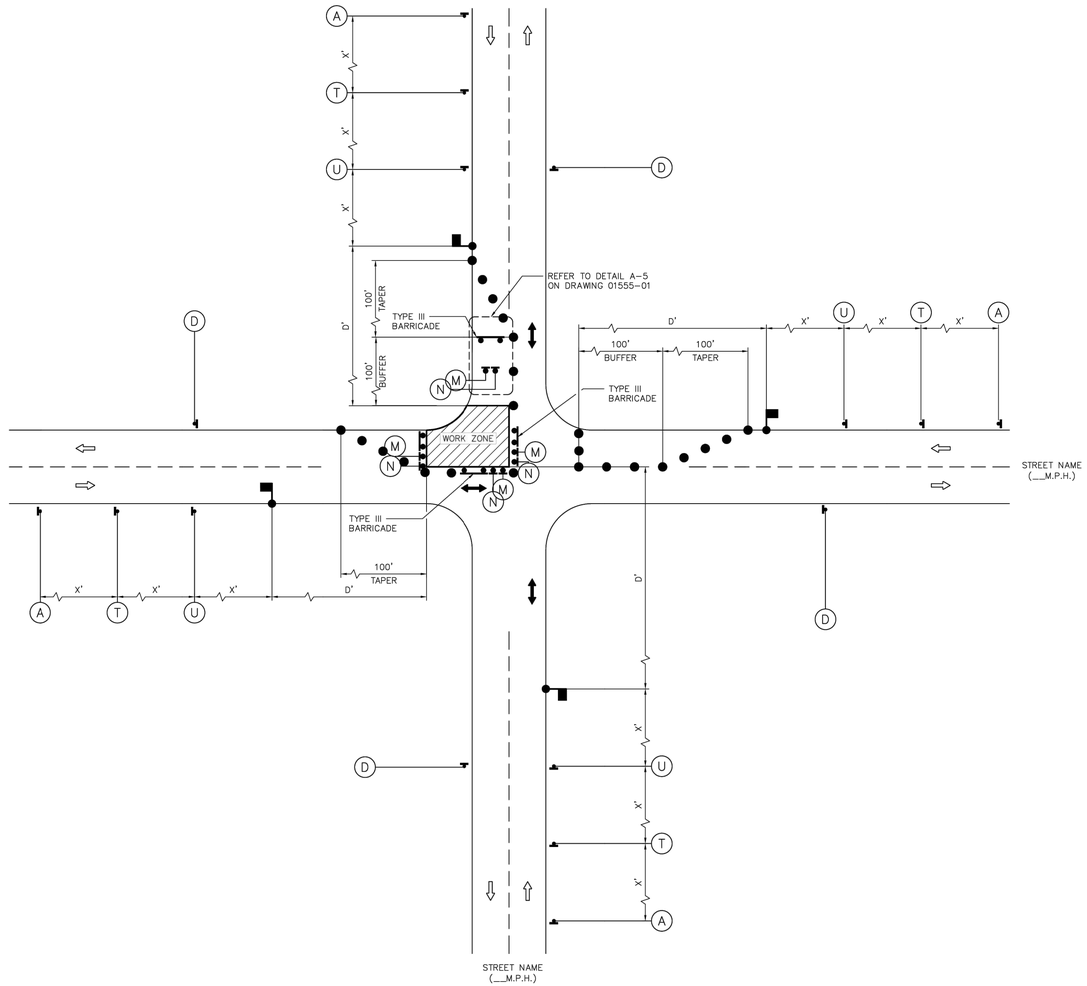
R5-1	R11-2



LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

NOTES:

1. MINOR WORK AND DAYTIME OPERATIONS ONLY.
2. REFER TO PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR MAJOR OPERATIONS AND OVERNIGHT LANE CLOSURES.
3. FOR DIMENSIONS REFER TO SHEET 01555-01.
4. INSTALL FLASHERS ON DRUMS WHERE REQUIRED AND APPROVED BY CITY TRAFFIC ENGINEER.
5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Kunwar	DocuSigned by: HANG NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-11

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 3 OF 4

	FOR CITY OF HOUSTON USE ONLY
DRAWING SCALE	
NOT TO SCALE	

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY:
DRAWN BY: C. RUBIT	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: R. HIREMATH	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 11 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 81 OF 403	

WARNING
0 1
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DWG NO
C-66

DISCLAIMER:
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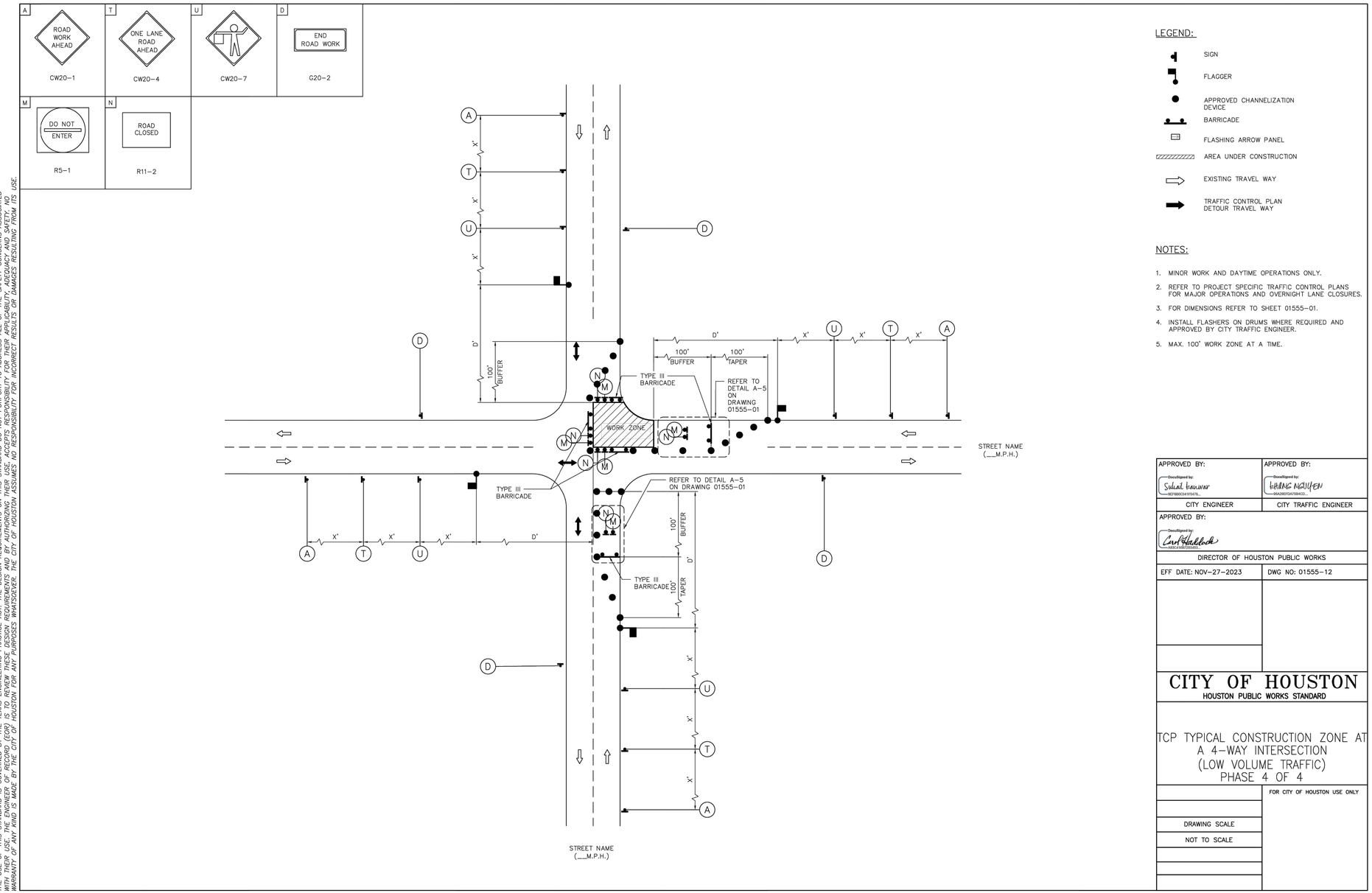

LEGEND:

- SIGN
- FLAGGER
- APPROVED CHANNELIZATION DEVICE
- BARRICADE
- FLASHING ARROW PANEL
- AREA UNDER CONSTRUCTION
- EXISTING TRAVEL WAY
- TRAFFIC CONTROL PLAN DETOUR TRAVEL WAY

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5. MAX. 100' WORK ZONE AT A TIME.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sulaiman Ibrahim	DocuSigned by: Haining Nguyen
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-12

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 4 OF 4

	FOR CITY OF HOUSTON USE ONLY
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NOT TO SCALE	

NO.	REVISION	REVISION	APP.

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Houston, Texas 77019
TBPE Firm Registration No. F-10053

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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 12 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 82 OF 403	

WARNING
0 1
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DWG NO
C-67

DISCLAIMER:
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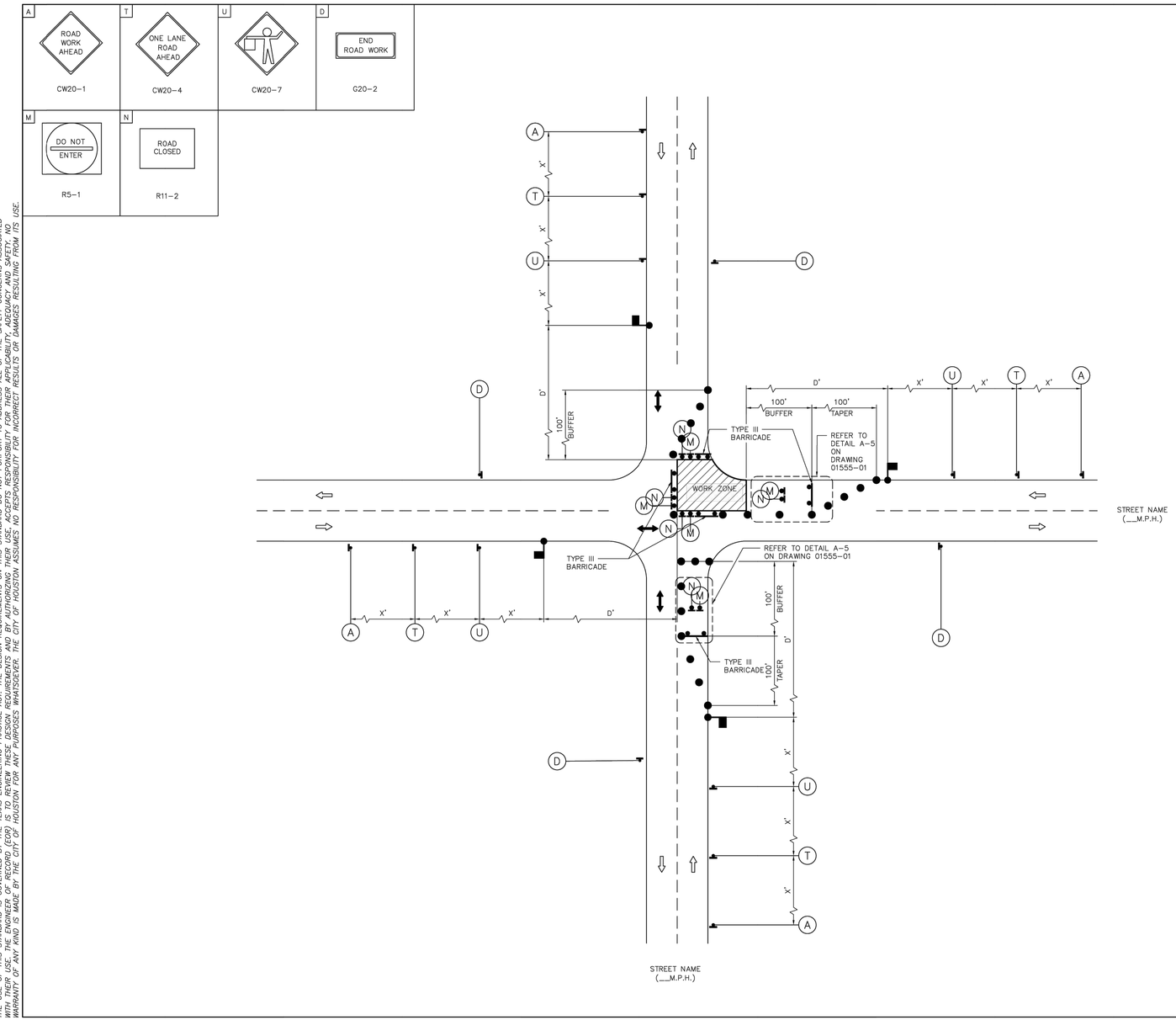

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APPROVED BY:	APPROVED BY:
DocuSigned by: Sukut Kunwar	DocuSigned by: Eshing Nguyen
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-12

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

TCP TYPICAL CONSTRUCTION ZONE AT A 4-WAY INTERSECTION (LOW VOLUME TRAFFIC) PHASE 4 OF 4

DRAWING SCALE	FOR CITY OF HOUSTON USE ONLY
NOT TO SCALE	

NO.	REVISION	REVISION	APP.

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P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY: R. HIREMATH	SURVEYED BY: ALLY GENERAL SOLUTIONS, LLC
DRAWN BY: C. RUBIT	FB NO. P-6416
CHECKED BY: R. HIREMATH	
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 13 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 83 OF 403	

WARNING
0 1
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DWG NO
C-68

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PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:27 PM

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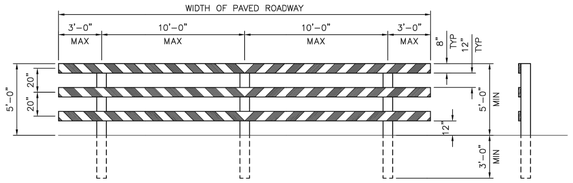
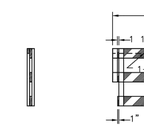
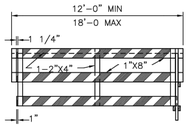
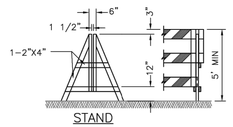


TYPE III BARRICADE FOR END OF ROAD

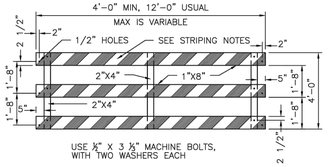
FOR TYPE III BARRICADE FOR END OF ROAD, THE THREE (3) RAILS SHALL BE REFLECTIVE RED AND RELFLECTIVE WHITE STRIPES ON SIDE FACING TRAFFIC



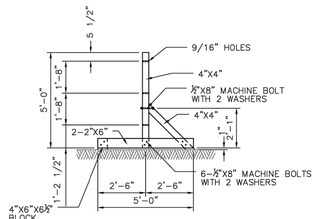




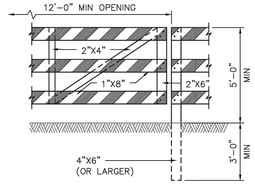
DEMOUNTABLE TYPE III BARRICADE



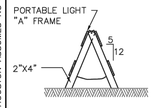
PANEL FOR TYPE III BARRICADE



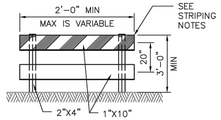
STAND FOR TYPE III BARRICADE



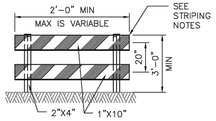
GATE FOR TYPE III BARRICADE



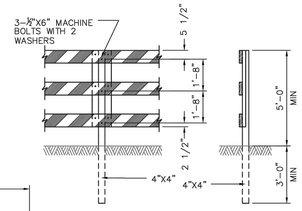
"A" FRAME



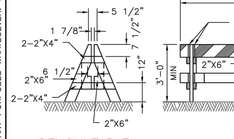
TYPE I



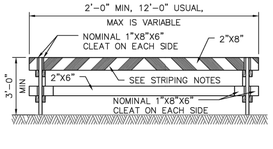
TYPE II



POST FOR TYPE III BARRICADE



DEMOUNTABLE



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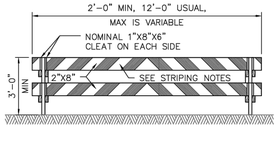

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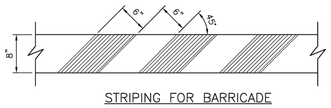
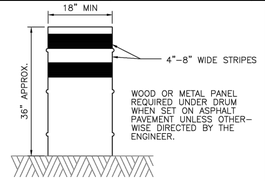


STRIPING FOR BARRICADE

BARRICADE NOTES:

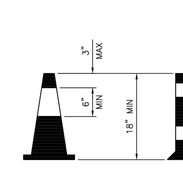
1. THE MOST RECENT EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND IT'S REVISIONS, SHALL GOVERN THE CONSTRUCTION AND USE OF ALL ITEMS HEREIN DESCRIBED.
2. CHANNELIZATION DEVICES OTHER THAN BARRICADES SHOULD NORMALLY BE USED FOR CHANNELIZATION PURPOSES.
3. BARRICADES SHOULD NORMALLY BE PLACED PERPENDICULAR TO THE TRAFFIC FLOW. OTHER CHANNELIZING DEVICES, SUCH AS DRUMS, VERTICAL PANELS OR PORTABLE BARRIERS, SHOULD BE USED WHERE NEEDED TO SEPARATE TRAFFIC FROM THE WORK AREA. IN ALL CASES, THE BARRICADES SHOULD BE SO LOCATED AS TO MOST ADVANTAGEOUSLY WARN AND DIRECT TRAFFIC.
4. BARRICADES MAY BE DESIGNED AND CONSTRUCTED FROM WOOD OR ANY OTHER SUITABLE MATERIAL APPROVED BY THE TMUTCD. THE CONSTRUCTION DETAILS SHOWN HEREON ARE TYPICAL AND ARE SUGGESTED DETAILS FOR WOOD SUPPORT SYSTEMS FOR BARRICADES. THE DETAILS OF RAIL WIDTH AND STRIPING, NUMBER AND SPACING OF RAILS, MINIMUM LENGTH AND HEIGHT (ABOVE PAVEMENT) OF RAILS MUST BE ADHERED TO WHEN ALTERNATE DESIGNS ARE USED.
5. BARRICADES ARE TO BE CONSTRUCTED OF CLEAN SOUND MATERIAL. ALL SURFACES ABOVE GROUND, WHICH ARE NOT STRIPED, SHALL BE WHITE EXCEPT THE UNPAINTED GALVANIZED METAL OR ALUMINUM COMPONENTS MAY BE USED. COMPONENTS MADE OF LUMBER SHALL BE PAINTED WITH A MINIMUM OF TWO COATS OF AN APPROVED BRAND OF WHITE PAINT TO SECURE THOROUGH COVERAGE AND A UNIFORM WHITE COLOR.
6. THE REFLECTORIZED WHITE AND REFLECTORIZED ORANGE (REFLECTORIZED RED) STRIPES FOR BARRICADES, DRUMS AND VERTICAL PANELS SHALL BE CONSTRUCTED OF HIGH INTESITY SHEETING AND SHALL BE MAINTAINED TO MEET THE APPEARANCE, COLOR AND REFLECTIVITY REQUIREMENTS SET BY DOTT.
7. THE CONTRACTOR SHALL MAINTAIN EACH BARRICADE IN A CLEAN AND GOOD CONDITION.
8. BARRICADES SHALL BE REMOVED UPON COMPLETION OF THE WORK AND/OR THE ELIMINATION OF THE HAZARD ON ANY SECTION.

1. FOR ALL TYPES OF BARRICADES WITH RAILS LESS THAN 3'-0" LONG, STRIPES 4" WIDE SHALL BE USED. IDENTIFICATION MARKINGS MAY BE SHOWN ONLY ON BACK SIDE OF BARRICADE RAILS.
2. STRIPING SHOULD COVER THE FULL WIDTH OF THE RAIL. STRIPING OF RAILS, PANELS, ETC, SHOULD SLOPE DOWNWARD AT AN ANGLE OF 45° DEGREES IN DIRECTIONS TRAFFIC IS TO PASS.
3. WHERE A BARRICADE EXTENDS ENTIRELY ACROSS A ROADWAY, IT IS DESIRABLE THAT THE STRIPES SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH TRAFFIC MUST TURN IN DETOURING. WHEN BOTH RIGHT AND LEFT TURNS ARE PROVIDED FOR, THE CHEVRON STRIPING MAY SLOPE DOWNWARD IN BOTH DIRECTIONS FROM THE CENTER OF THE BARRICADE.



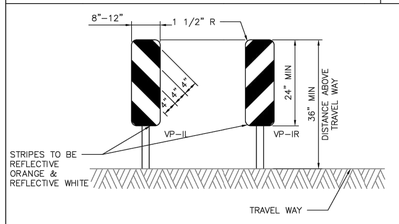
DRUMS

1. DRUMS, SET ON END, AND USED FOR TRAFFIC WARNING OR CHANNELIZATION SHALL BE APPROX 36" IN HEIGHT AND A MIN OF 18" IN DIAMETER. THE CONTRACTOR, AT HIS OPTION, MAY USE DRUMS MADE FROM STEEL BARRELS OR BLACK POLYETHYLENE PLASTIC DRUM LINERS WEIGHING APPROX EIGHT POUNDS EACH. THE MARKINGS ON DRUMS SHALL BE HORIZONTAL, CIRCUMFERENTIAL, REFLETORIZED ORANGE AND REFLECTORIZED WHITE STRIPES, 4 TO 8 INCHES WIDE. THE FIRST REFLECTORIZED STRIPE SHOULD START WITHIN TWO (2) INCHES OF THE TOP OF THE DRUM. THERE SHALL BE AT LEAST TWO ORANGE AND TWO WHITE STRIPES ON EACH DRUM. IF THERE ARE NON-REFLECTORIZED SPACES BETWEEN THE HORIZONTAL ORANGE AND WHITE STRIPES, THEY SHALL BE NO MORE THAN 2 INCHES WIDE. METAL DRUMS SHALL BE PAINTED BLACK OR ORANGE BEFORE REFLECTORIZED STRIPES ARE ADDED. ALL DRUMS ON PROJECT WILL BE THE SAME COLOR WHEN DRUMS ARE PLACED IN THE ROADWAY. APPROPRIATE WARNING SIGNS SHOULD BE USED. DURING HOURS OF DARKNESS, A FLASHING WARNING LIGHT SHOULD BE PLACED ON DRUMS USED SINGLY AS A WARNING DEVICE. STEADY BURN ELECTRIC LIGHTS OR DELINEATORS SHOULD BE PLACED ON DRUMS USED IN SERIES FOR TRAFFIC CHANNELIZATION. DRUMS SHALL BE WEIGHTED WITH SAND TO THE EXTENT INDICATED IN THE PLANS.
2. CWI-8 CHEVRON SIGNS, CWI-6A ARROW SIGNS OR VP-I VERTICAL PANELS MOUNTED ABOVE DRUMS MAY BE USED AS SUPPLEMENTS TO DRUM DELINEATION.



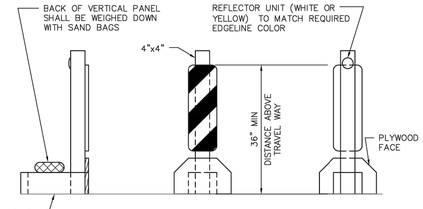
CONES

1. TRAFFIC CONES AND TUBULAR MARKERS SHALL BE A MIN OF 18" INCHES IN HEIGHT WITH A BROADENED BASE AND MAY BE MADE OF VARIOUS MATERIALS TO WITHSTAND IMPACT WITHOUT DAMAGE TO THEMSELVES OR TO VEHICLES. LARGER SIZES SHOULD BE USED ON FREEWAYS AND OTHER ROADWAYS WHERE SPEED ARE RELATIVELY HIGH OR WHERE EVER MORE CONSPICUOUS GUIDANCE IS NEEDED. ORANGE SHALL BE THE PREDOMINANT COLOR ON CONES AND TUBULAR MARKERS. THEY SHOULD BE KEPT CLEAN AND BRIGHT FOR MAX TARGET VALUE. FOR NIGHT TIME USE THEY SHALL BE REFLECTORIZED OR EQUIPPED WITH LIGHTING DEVICES FOR MAX VISIBILITY. REFLECTORIZED MATERIAL SHALL HAVE A SMOOTH, SEALED OUTER SURFACE WHICH WILL DISPLAY THE SAME APPROX COLOR DAY AND NIGHT.
2. REFLECTORIZATION OF TUBULAR MARKERS SHALL BE A MIN OF TWO THREE-INCH BANDS PLACED A MAX OF 2" FROM THE TOP WITH A MAX OF 6" BETWEEN THE BANDS. REFLECTORIZATION OF CONES SHALL BE PROVIDED BY A MIN 6" BAND PLACED A MAX OF 3" FROM THE TOP.
3. CONES OR TUBULAR MARKERS ARE GENERALLY ONLY SUITABLE FOR TEMPORARY USAGE (UP TO 8 HOURS) WITH OTHER CHANNELIZATION DEVICES SUCH AS VERTICAL PANELS OR BARRICADES PREFERRED FOR LONGER TERM USAGE. CARE SHOULD BE TAKEN TO INSURE THAT THEY REMAIN IN THEIR PROPER LOCATION AND IN AN UPRIGHT POSITION.



VERTICAL PANELS (VP)

VERTICAL PANELS ARE NORMALLY USED AS CHANNELIZING DEVICES TO INDICATE TANGENT OR NEARLY TANGENT ROADWAY ALIGNMENT WHERE GOOD TARGET VALUE OF A DEVICE IS NEEDED IN DAYTIME AS WELL AS THE NIGHTTIME. IN ADDITION, VERTICAL PANELS SHOULD BE USED AT THE EDGE OF SHOULDER DROP-OFFS AND OTHER SUCH AREAS AS LANE TRANSITIONS WHERE POSITIVE DAY AND NIGHT DELINEATION MAY BE REQUIRED. VERTICAL PANELS SHOULD BE MOUNTED BACK TO BACK IF USED AT THE EDGE OF CUTS ADJACENT TO TWO-WAY TWO LANE ROADWAYS. STRIPES SHOULD ALWAYS SLOPE DOWNWARD TOWARD THE TRAVELED WAY.



TYPICAL PORTABLE VERTICAL PANEL OR DELINEATOR

OTHER SIMILAR SUPPORTS MAY BE USED WHEN APPROVED BY TMUTCD AND DIRECTED BY THE CITY OF HOUSTON.

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

NO.	REVISION	REVISION	APP.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukat Kunwar	DocuSigned by: HARINS NGUYEN
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV-27-2023	DWG NO: 01555-14

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

BARRICADE AND CHANNELIZING DEVICES

FOR CITY OF HOUSTON USE ONLY

DRAWING SCALE
NOT TO SCALE

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-69

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 14 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 84 OF 403	

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:27 PM

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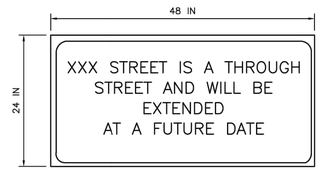
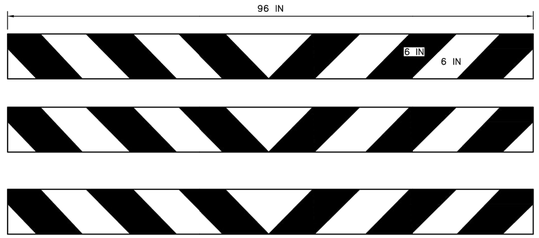
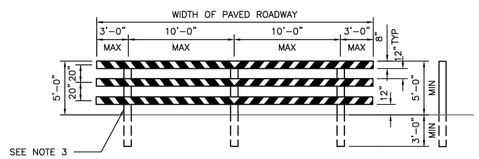


NOTES:

1. FONT SHALL BE HWY GOTHIC C, 4 INCH HEIGHT.
2. REFER TO STANDARD DETAIL NO. 01555-14 FOR TYPE III BARRICADE DETAIL.
3. FOR TYPE III BARRICADE FOR END OF ROAD, THE THREE (3) RAILS SHALL BE REFLECTIVE RED AND REFLECTIVE WHITE STRIPES ON SIDE FACING TRAFFIC.



TYPE III BARRICADE
TYPICAL END OF ROAD BARRICADE



TYPE III BARRICADE
FOR END OF ROAD

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE PIONEER OF RECORD (EOR) IS TO REVIEW THESE DESIGNS AND DETAILS AND DETERMINE WHEN THESE DESIGN REQUIREMENTS AND AP ANTHROPOMETRIC DATA ARE APPROPRIATE FOR A SPECIFIC LOCATION. THE EOR, NOT THE CITY OF HOUSTON (COH), ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

END OF STREET SIGN

(SCALE: NOT TO SCALE)

APPROVED BY:

DocuSigned by: Sukut Iraiwar — CITY ENGINEER

DocuSigned by: Carl Haddock — DIRECTOR OF HPW

DocuSigned by: LEMING NGUYEN — CITY TRAFFIC ENGINEER

EFF DATE: NOV-27-2023 | DWG NO: 01555-15

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 15 OF 16)

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-70

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 85 OF 403	

90% SUBMITTAL

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/13/2026 5:27 PM

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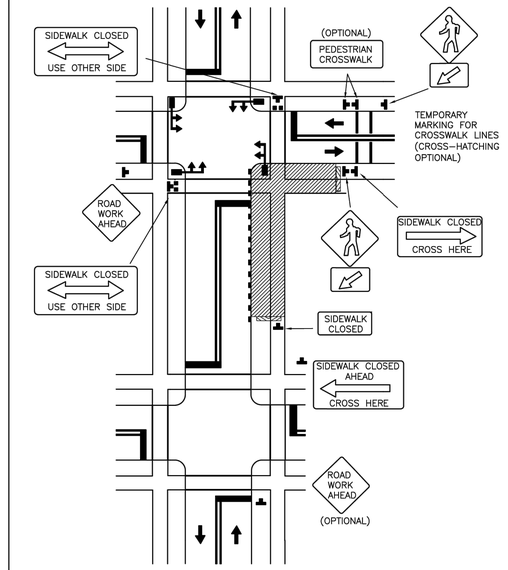

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CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

(SCALE: NOT TO SCALE)

APPROVED BY:

CITY ENGINEER	CITY TRAFFIC ENGINEER	DIRECTOR OF HPW	EFF DATE: NOV-27-2023	DWG NO: 01555-16
DocuSigned by: Sukul Kanwar	DocuSigned by: LINHNG NGUYEN	DocuSigned by: Carol Haddock		

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
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RUDRARADHYA S. HIREMATH, P.E.
P.E. SERIAL NO. 135854
DATE: 05/13/26

DESIGNED BY:	R. HIREMATH
DRAWN BY:	C. RUBIT
CHECKED BY:	R. HIREMATH
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

TRAFFIC CONTROL PLAN STANDARD DETAILS (SHEET 16 OF 16)

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 86 OF 403	

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-71

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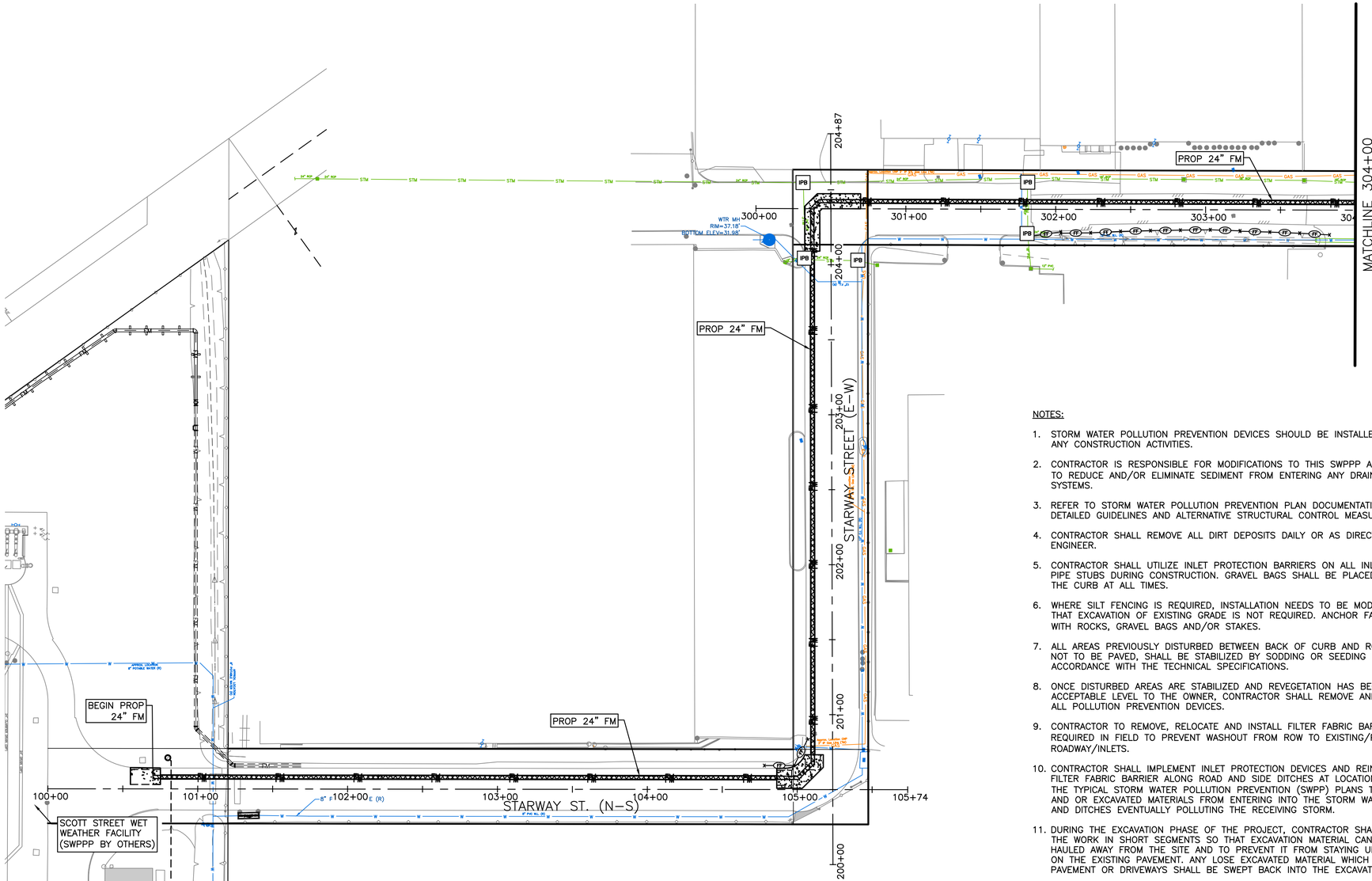

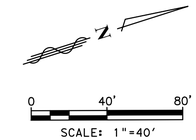

SW3P LEGEND

- FILTER FABRIC FENCE — FF
- REINFORCED FILTER FABRIC BARRIER — RFB
- CONSTRUCTION FENCE
- INLET PROTECTION BARRIER (STAGE II INLETS) — IPB
- ROCK FILTER DAM — RFD1
- CONSTRUCTION EXIT — CE-1

NOTES:

1. STORM WATER POLLUTION PREVENTION DEVICES SHOULD BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR IS RESPONSIBLE FOR MODIFICATIONS TO THIS SWPPP AS NECESSARY TO REDUCE AND/OR ELIMINATE SEDIMENT FROM ENTERING ANY DRAINAGE SYSTEMS.
3. REFER TO STORM WATER POLLUTION PREVENTION PLAN DOCUMENTATION FOR DETAILED GUIDELINES AND ALTERNATIVE STRUCTURAL CONTROL MEASURES.
4. CONTRACTOR SHALL REMOVE ALL DIRT DEPOSITS DAILY OR AS DIRECTED BY ENGINEER.
5. CONTRACTOR SHALL UTILIZE INLET PROTECTION BARRIERS ON ALL INLETS AND PIPE STUBS DURING CONSTRUCTION. GRAVEL BAGS SHALL BE PLACED NEXT TO THE CURB AT ALL TIMES.
6. WHERE SILT FENCING IS REQUIRED, INSTALLATION NEEDS TO BE MODIFIED SO THAT EXCAVATION OF EXISTING GRADE IS NOT REQUIRED. ANCHOR FABRIC FLAP WITH ROCKS, GRAVEL BAGS AND/OR STAKES.
7. ALL AREAS PREVIOUSLY DISTURBED BETWEEN BACK OF CURB AND ROW THAT ARE NOT TO BE PAVED, SHALL BE STABILIZED BY SODDING OR SEEDING IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
8. ONCE DISTURBED AREAS ARE STABILIZED AND REVEGETATION HAS BEGUN TO AN ACCEPTABLE LEVEL TO THE OWNER, CONTRACTOR SHALL REMOVE AND DISPOSE ALL POLLUTION PREVENTION DEVICES.
9. CONTRACTOR TO REMOVE, RELOCATE AND INSTALL FILTER FABRIC BARRIER AS REQUIRED IN FIELD TO PREVENT WASHOUT FROM ROW TO EXISTING/PROPOSED ROADWAY/INLETS.
10. CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPPP) PLANS TO KEEP SILT AND OR EXCAVATED MATERIALS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM.
11. DURING THE EXCAVATION PHASE OF THE PROJECT, CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATION MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENT OR DRIVEWAYS SHALL BE SWEPT BACK INTO THE EXCAVATED AREA.
12. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.
13. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
14. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE VERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
    - DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
    - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
    - STRUCTURAL CONTROL MEASURES.
    - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
15. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES

EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY:	E. RULLMAN
DRAWN BY:	J. GOTTLIEB
CHECKED BY:	E. RULLMAN
REVIEWED BY:	A. FASCHAN
APPROVED BY:	A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SWPPP

SHEET 1 OF 4

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-72

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=40'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 87 OF 403	

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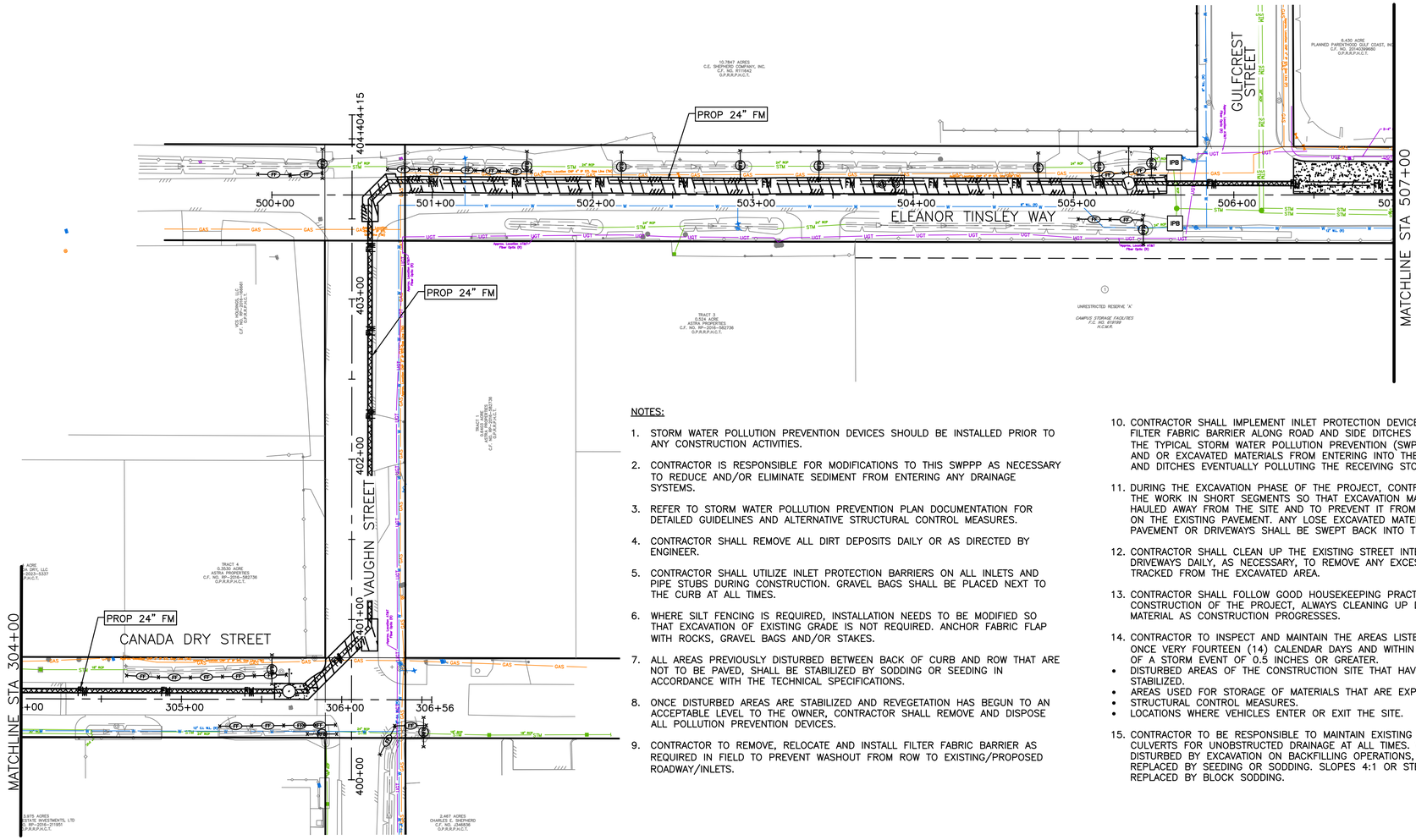

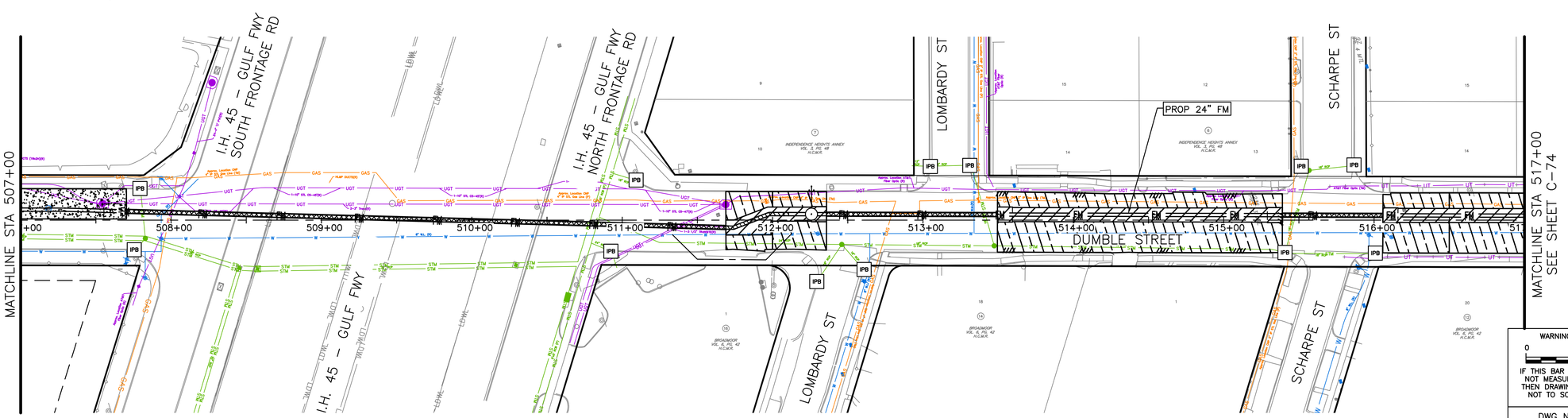

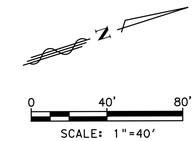

NOTES:

1. STORM WATER POLLUTION PREVENTION DEVICES SHOULD BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
2. CONTRACTOR IS RESPONSIBLE FOR MODIFICATIONS TO THIS SWPPP AS NECESSARY TO REDUCE AND/OR ELIMINATE SEDIMENT FROM ENTERING ANY DRAINAGE SYSTEMS.
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7. ALL AREAS PREVIOUSLY DISTURBED BETWEEN BACK OF CURB AND ROW THAT ARE NOT TO BE PAVED, SHALL BE STABILIZED BY SODDING OR SEEDING IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
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12. CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY, TO REMOVE ANY EXCESS MUD, SILT OR ROCK TRACKED FROM THE EXCAVATED AREA.
13. CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING THE CONSTRUCTION OF THE PROJECT, ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
14. CONTRACTOR TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW AT LEAST ONCE VERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER.
    - DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.
    - AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.
    - STRUCTURAL CONTROL MEASURES.
    - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.
15. CONTRACTOR TO BE RESPONSIBLE TO MAINTAIN EXISTING DITCHES AND OR CULVERTS FOR UNOBSTRUCTED DRAINAGE AT ALL TIMES. WHERE SODDING IS DISTURBED BY EXCAVATION ON BACKFILLING OPERATIONS, SUCH AREAS SHALL BE REPLACED BY SEEDING OR SODDING. SLOPES 4:1 OR STEEPER SHALL BE REPLACED BY BLOCK SODDING.

SW3P LEGEND

- FILTER FABRIC FENCE — FF
- REINFORCED FILTER FABRIC BARRIER — RFB
- CONSTRUCTION FENCE
- INLET PROTECTION BARRIER (STAGE II INLETS) — IPB
- ROCK FILTER DAM — RFD1
- CONSTRUCTION EXIT — CE-1

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SWPPP

SHEET 2 OF 4

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-73

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=40'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 88 OF 403	

PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:14 PM

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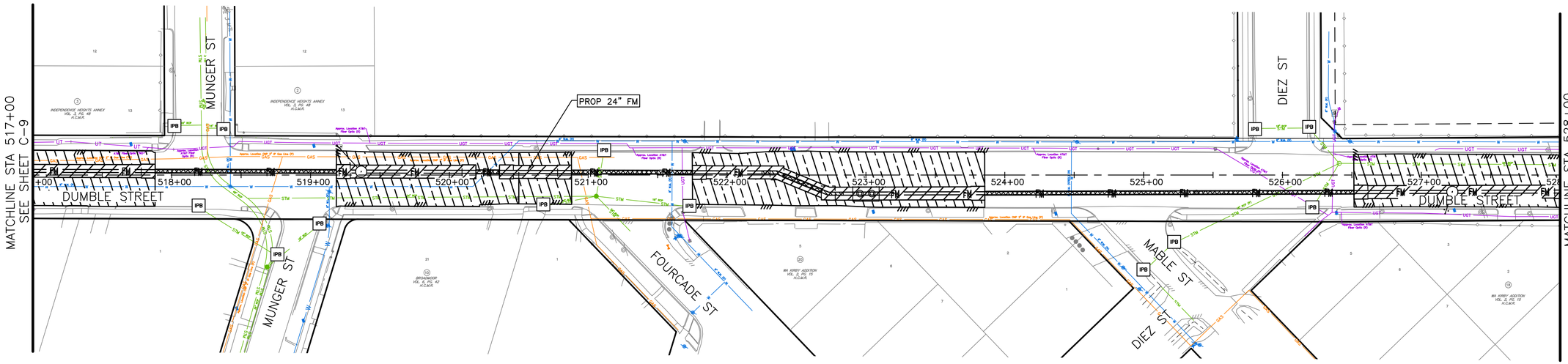

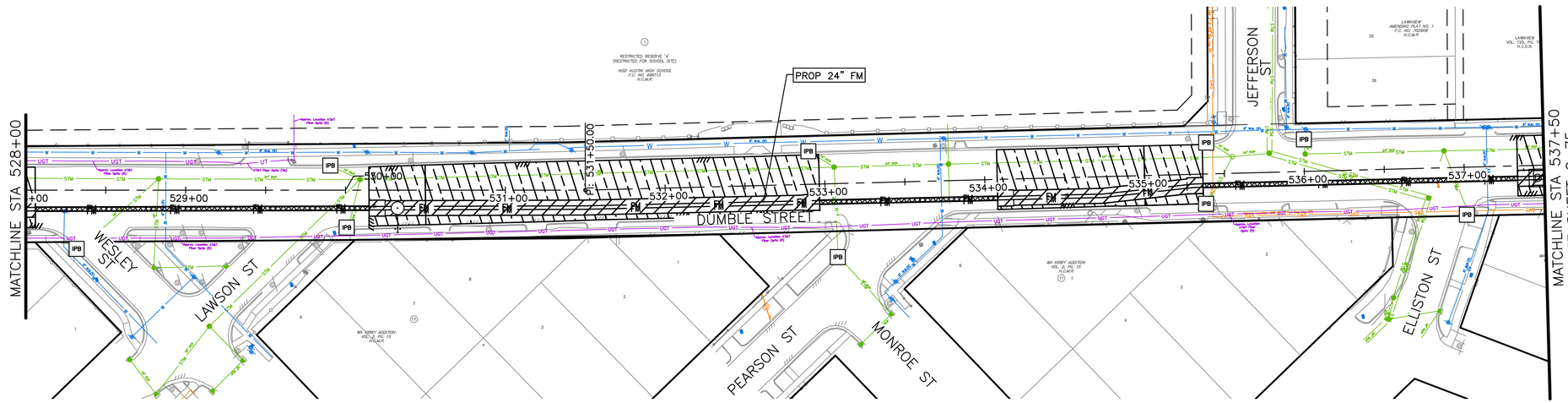

SW3P LEGEND

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- REINFORCED FILTER FABRIC BARRIER — X—RFB—X
- CONSTRUCTION FENCE
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NOTES:

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3. REFER TO STORM WATER POLLUTION PREVENTION PLAN DOCUMENTATION FOR DETAILED GUIDELINES AND ALTERNATIVE STRUCTURAL CONTROL MEASURES.
4. CONTRACTOR SHALL REMOVE ALL DIRT DEPOSITS DAILY OR AS DIRECTED BY ENGINEER.
5. CONTRACTOR SHALL UTILIZE INLET PROTECTION BARRIERS ON ALL INLETS AND PIPE STUBS DURING CONSTRUCTION. GRAVEL BAGS SHALL BE PLACED NEXT TO THE CURB AT ALL TIMES.
6. WHERE SILT FENCING IS REQUIRED, INSTALLATION NEEDS TO BE MODIFIED SO THAT EXCAVATION OF EXISTING GRADE IS NOT REQUIRED. ANCHOR FABRIC FLAP WITH ROCKS, GRAVEL BAGS AND/OR STAKES.
7. ALL AREAS PREVIOUSLY DISTURBED BETWEEN BACK OF CURB AND ROW THAT ARE NOT TO BE PAVED, SHALL BE STABILIZED BY SODDING OR SEEDING IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.
8. ONCE DISTURBED AREAS ARE STABILIZED AND REVEGETATION HAS BEGUN TO AN ACCEPTABLE LEVEL TO THE OWNER, CONTRACTOR SHALL REMOVE AND DISPOSE ALL POLLUTION PREVENTION DEVICES.
9. CONTRACTOR TO REMOVE, RELOCATE AND INSTALL FILTER FABRIC BARRIER AS REQUIRED IN FIELD TO PREVENT WASHOUT FROM ROW TO EXISTING/PROPOSED ROADWAY/INLETS.
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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

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DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SWPPP

SHEET 3 OF 4

WARNING
0 1
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DWG NO
C-74

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=40'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 89 OF 403	

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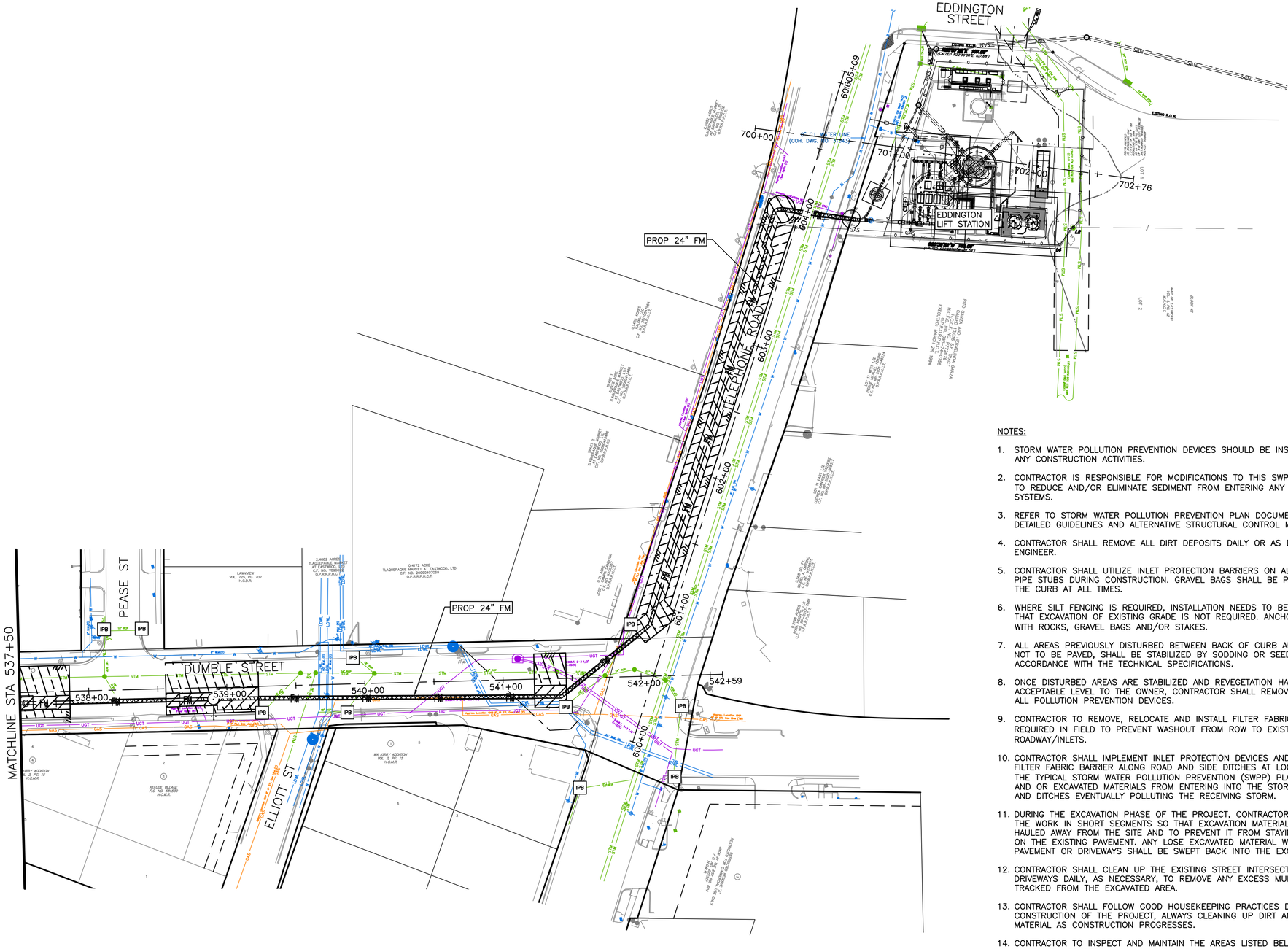

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NO.	REVISION	REVISION	APP.

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TBPE Firm Registration No. F-10053

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SWPPP

SHEET 4 OF 4

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-75

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
1"=40'	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 90 OF 403	

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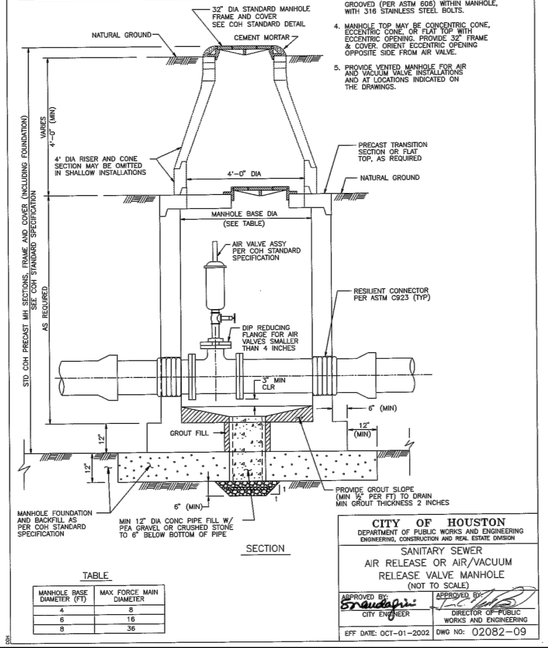
PLOT STYLE: ARD_FULL_MONO.ctb PLOTTED: 5/14/2026 5:05 PM

NOTES TO SPECIFIER:

1. CHECK THAT FORCE MAIN BURIAL DEPTH AT AIR VALVE MANHOLE WILL PROVIDE 1'-0" CLEAR SPACE OVER VALVE INSIDE MANHOLE.
2. SHOW STA LOCATION OR MANHOLE, TOP ELEV, AND VALVE SIZE ON PLAN & PROFILE SHEET.
3. INCLUDE ALSO VENTED MH DETAIL FOR AIR & VACUUM VALVE INSTALLATIONS.

NOTES:

1. AIR VALVE MAY BE AIR RELEASE OR AIR AND VACUUM RELEASE VALVE AS NOTED ON PLAN AND PROFILE SHEET.
2. SEE COH STANDARD SPECIFICATION FOR AIR VALVE ASSEMBLY REQUIREMENTS.
3. PROVIDE LINED DUCTILE IRON PIPE, THICK, CLASS 53, FOR FORCE MAIN WITHIN 12" OF OUTSIDE FACE OF MANHOLE. JOINTS WITHIN MANHOLE MAY BE FLANGED (AS SHOWN) OR GROOVED (PER ASTM 606) WITHIN MANHOLE, WITH 316 STAINLESS STEL BOLTS.
4. MANHOLE TOP MAY BE CONCENTRIC CONE, ECCENTRIC CONE, OR FLAT TOP WITH ECCENTRIC OPENING. PROVIDE 32" FRAME & COVER. ORIENT ECCENTRIC OPENING OPPOSITE SIDE FROM AIR VALVE.
5. PROVIDE VENTED MANHOLE FOR AIR AND VACUUM VALVE INSTALLATIONS AND AT LOCATIONS INDICATED ON THE DRAWINGS.



SECTION

TABLE

MANHOLE BASE DIAMETER (FT)	MAX. FORCE MAIN DIAMETER
4	8
6	16
8	36

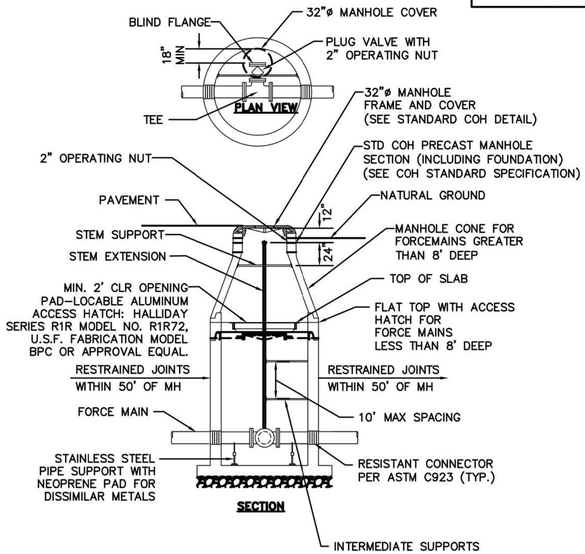
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SANITARY SEWER
AIR RELEASE OR AIR/VACUUM RELEASE VALVE MANHOLE
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: OCT-01-2002 DWG NO: 02082-09

MANHOLE SIZE (NOTE A)	
FORCEMAIN DIAMETER	MANHOLE DIAMETER
4" TO 10"	6'-0"
12" TO 18"	8'-0"



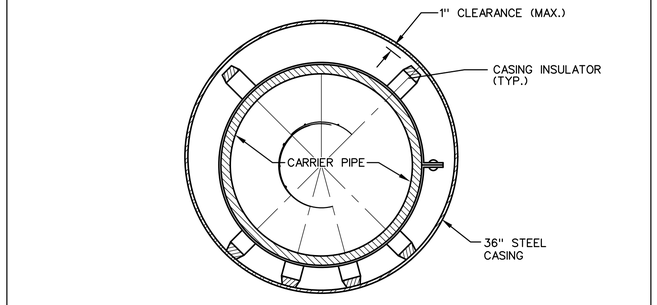
NOTES:

1. REFER TO PLAN AND PROFILE DRAWINGS FOR TEE AND VALVE SIZE.
2. PROVIDE ECCENTRIC CONE MANHOLE. ROTATE CONE SO THAT OPERATING NUT IS ACCESSIBLE FROM OPENING BUT DOES NOT LIMIT ACCESS.
3. PROVIDE LINED DUCTILE IRON PIPE, THICK, CLASS 53, FOR FORCE MAIN WITHIN 12" OF OUTSIDE FACE OF MANHOLE. JOINTS WITHIN MANHOLE MAY BE FLANGED (AS SHOWN OR GROOVED (PER ASTM 606) WITHIN MANHOLE, WITH 316 STAINLESS STEEL BOLTS.
4. ENSURE MIN CLEARANCE OF 18" ON ALL SIDES. OFFSET VALVE ON HATCH/MH OPENING AS NEEDED TO OBTAIN CLEARANCE.

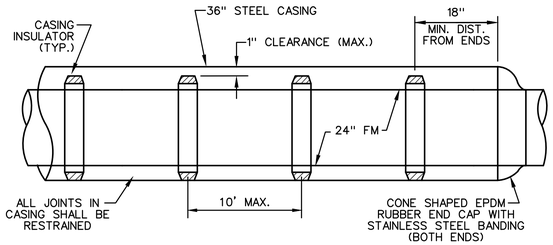
NOTES TO DESIGN ENGINEER:

A. CAST-IN-PLACE CONSTRUCTION OF MANHOLES LARGER THAN 8 FT WOULD BE NEEDED FOR FORCE MAIN DIAMETERS LARGER THAN 18 INCH.

FORCEMAIN BLOW-OFF/DRAIN MANHOLE
SCALE: NONE
Z0C12



SECTION



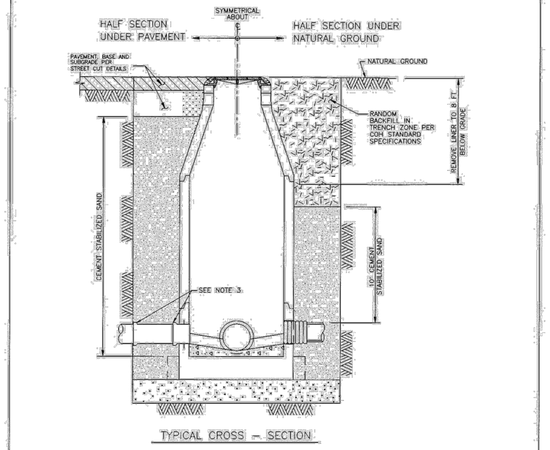
SIDE VIEW

PIPE CASING DETAIL

NOTES:
1. FOR ALL PIPING 24-INCH DIAMETER AND GREATER, USE PULL-ON, 1/8-INCH THICK, SYNTHETIC RUBBER END SEALS, MODEL C, AS MANUFACTURED BY PIPELINE SEAL AND INSULATOR, INC. OR APPROVED EQUAL.

NOTES:

1. GROUTING OF MANHOLE STRUCTURE ANNULAR SPACE WILL BE PERMITTED IN CASES WHERE INSUFFICIENT WORK SPACE EXISTS FOR PLACEMENT AND COMPACTION OF CEMENT STABILIZED SAND, PER COH STANDARD SPECIFICATION FOR TUNNEL GROUT.
2. THIS DETAIL ALSO APPLIES TO BACKFILL OF SHAFTS WITHOUT STRUCTURES.
3. ARRANGE PIPE JOINTS AS SHOWN WHEN USING RIGID CONNECTION TO CAST IN PLACE MANHOLE BASE.



TYPICAL CROSS - SECTION

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
ENGINEERING, CONSTRUCTION AND REAL ESTATE DIVISION

SANITARY SEWER
BACKFILL OF SHAFTS
(NOT TO SCALE)

APPROVED BY: CITY ENGINEER — APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING

EFF DATE: OCT-01-2002 DWG NO: 02317-08

NO.	REVISION	REVISION	APP.

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HOUSTON PUBLIC WORKS

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SANITARY DETAILS
SHEET 1 OF 3

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0 1
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DWG NO
C-76

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
SCALE: N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 91 OF 403	

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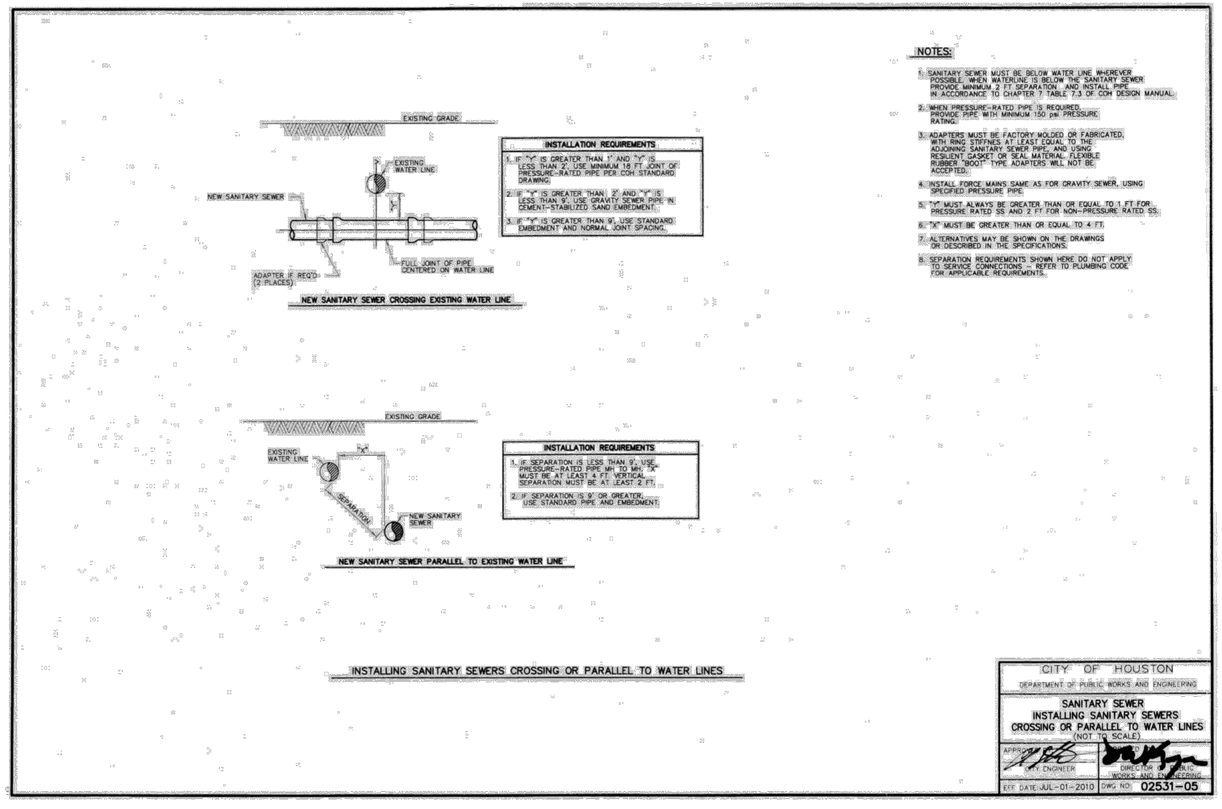

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SANITARY DETAILS
SHEET 2 OF 3

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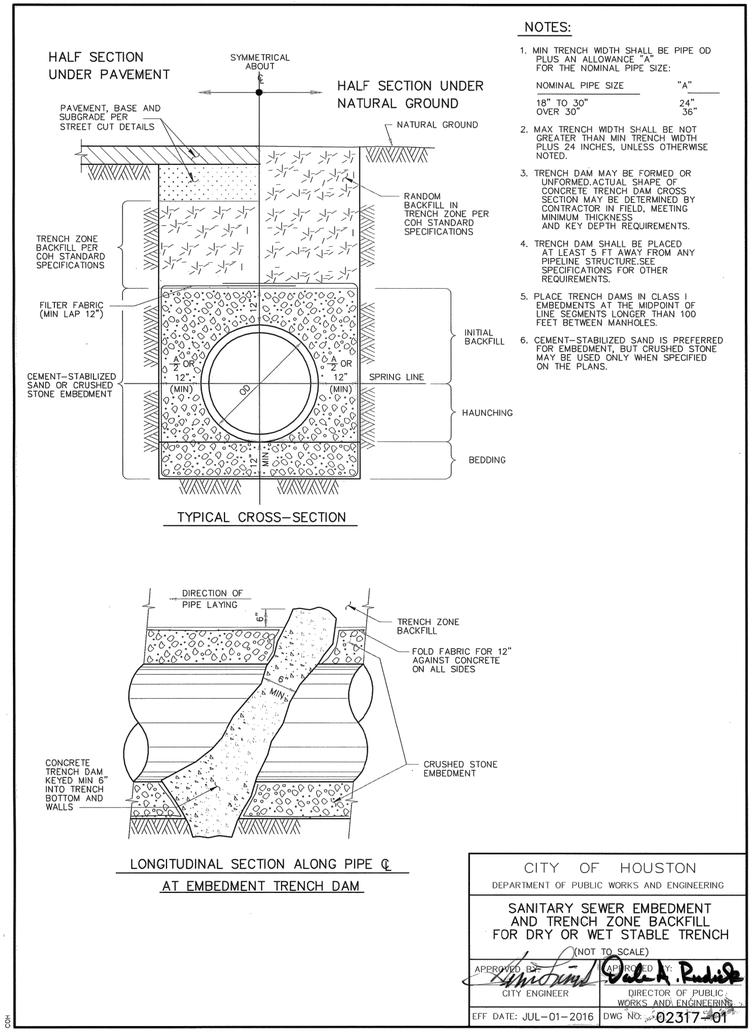


NOTES:

1. MIN TRENCH WIDTH SHALL BE PIPE OD PLUS AN ALLOWANCE "A" FOR THE NOMINAL PIPE SIZE:

NOMINAL PIPE SIZE	"A"
18" TO 30"	24"
OVER 30"	36"

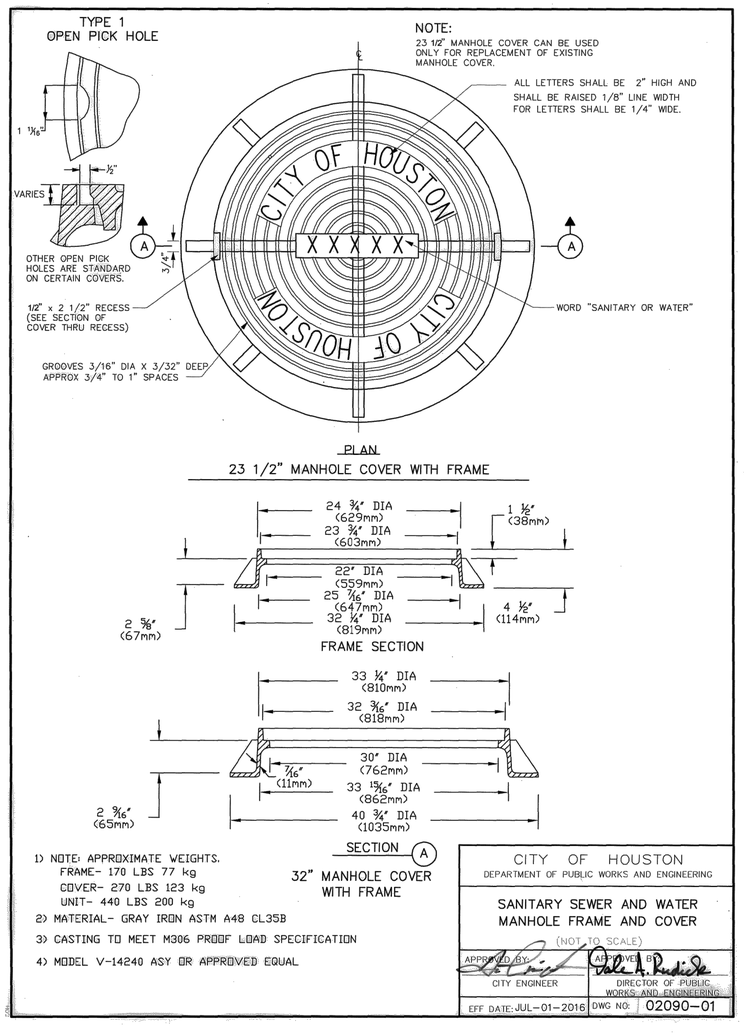
2. MAX TRENCH WIDTH SHALL BE NOT GREATER THAN MIN TRENCH WIDTH PLUS 24 INCHES, UNLESS OTHERWISE NOTED.
3. TRENCH DAM MAY BE FORMED OR UNFORMED.ACTUAL SHAPE OF CONCRETE TRENCH DAM CROSS SECTION MAY BE DETERMINED BY CONTRACTOR IN FIELD, MEETING MINIMUM THICKNESS AND KEY DEPTH REQUIREMENTS.
4. TRENCH DAM SHALL BE PLACED AT LEAST 5 FT AWAY FROM ANY PIPELINE STRUCTURE.SEE SPECIFICATIONS FOR OTHER REQUIREMENTS.
5. PLACE TRENCH DAMS IN CLASS I EMBEDMENTS AT THE MIDPOINT OF LINE SEGMENTS LONGER THAN 100 FEET BETWEEN MANHOLES.
6. CEMENT-STABILIZED SAND IS PREFERRED FOR EMBEDMENT, BUT CRUSHED STONE MAY BE USED ONLY WHEN SPECIFIED ON THE PLANS.

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

SANITARY SEWER EMBEDMENT AND TRENCH ZONE BACKFILL FOR DRY OR WET STABLE TRENCH

(NOT TO SCALE)

APPROVED BY: CITY ENGINEER	APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2016	DWG NO: 02317-01



1) NOTE: APPROXIMATE WEIGHTS.
FRAME- 170 LBS 77 kg
COVER- 270 LBS 123 kg
UNIT- 440 LBS 200 kg
2) MATERIAL- GRAY IRON ASTM A48 CL35B
3) CASTING TO MEET M306 PROOF LOAD SPECIFICATION
4) MODEL V-14240 ASY OR APPROVED EQUAL

CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING

SANITARY SEWER AND WATER MANHOLE FRAME AND COVER

(NOT TO SCALE)

APPROVED BY: CITY ENGINEER	APPROVED BY: DIRECTOR OF PUBLIC WORKS AND ENGINEERING
EFF DATE: JUL-01-2016	DWG NO: 02090-01

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

SANITARY DETAILS
SHEET 3 OF 3

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
SCALE: N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 93 OF 403	

WARNING
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DWG NO
C-78

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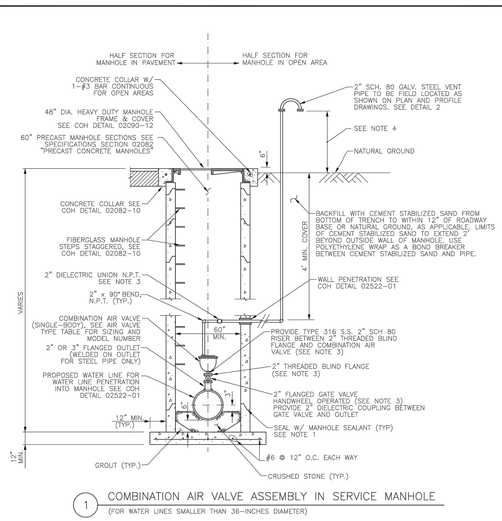


1 COMBINATION AIR VALVE ASSEMBLY IN SERVICE MANHOLE

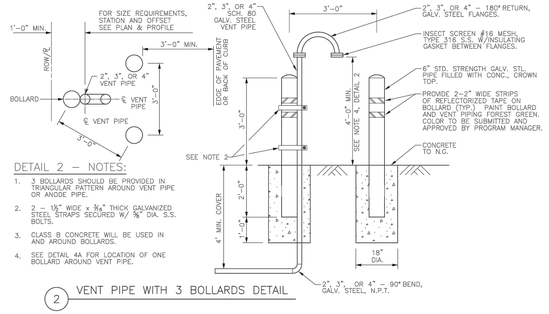
(FOR WATER LINES SMALLER THAN 36-INCHES DIAMETER)

		VACUUM (AI/VR)	
WATER MAIN DIAMETER	MANUFACTURER (1)	SERIES	ORIFICE SIZE
<=36"	APCO	140C	
	CLAVAL	36	
	PRATT	WCV 01	

COMBINATION AIR VALVE & TYPE TABLE

(FOR WATER LINES SMALLER THAN 36" DIAMETER)

(1) OR APPROVED EQUAL.



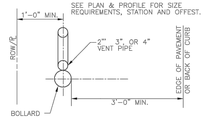
DETAIL 2 – NOTES:

1. 3 BOLLARDS SHOULD BE PROVIDED IN TRIANGULAR PATTERN AROUND VENT PIPE OR ANODE PIPE.
2. 2 – 1½" WIDE x 3/16" THICK GALVANIZED STEEL STRAPS SECURED W/ ⅜" DIA. S.S. BOLTS.
3. CLASS B CONCRETE WILL BE USED IN AND AROUND BOLLARDS.
4. SEE DETAIL 4A FOR LOCATION OF ONE BOLLARD AROUND VENT PIPE.

2 VENT PIPE WITH 3 BOLLARDS DETAIL

DETAIL 1 – NOTES:

1. PROVIDE RAM-NEK OR APPROVED EQUAL BETWEEN PRECAST SEGMENTS OF THE MANHOLE.
2. FOR MANHOLES DEEPER THAN 20 FEET, SAFETY CLIMBING RAIL MUST BE PROVIDED. (SAF-T-CLIMB OR APPROVED EQUAL). SEE COH DETAIL 02082-11.
3. PIPING AND APPURTENANCES OF THE SAME DIAMETER AND CONSTRUCTED OF THE SAME MATERIAL AND CLASS.
4. VERIFY THAT LOCATION OF VENT PIPE SCREEN IS 1 FOOT ABOVE 100-YEAR FLOOD PLAIN ELEVATION OR 4 FEET ABOVE NATURAL GROUND WHICHEVER IS HIGHER.
5. REFER TO PLAN AND PROFILE SHEETS FOR LOCATIONS OF AIR VALVES.
6. FOR PAVEMENT REPAIR, SEE COH DETAILS 02902-01 & 02902-02.
7. PROVIDE AN APPROVED PETROLATUM BASED TAPE ENCAPSULATING ALL BOLTS IN ACCESS MANHOLE.



2A VENT PIPE WITH 1 BOLLARD DETAIL

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

LDWL
COMBINATION AIR VALVE ASSEMBLY IN SERVICE MANHOLE DETAILS
(NOT TO SCALE)

REVISED ON: _____
REVISED BY: _____

EFF. DATE: MAR-20-2018 DWG. NO: **02524-02**

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

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EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P-6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

COMBINATION AIR RELEASE VALVE DETAILS

WARNING
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DRAWING SCALE	
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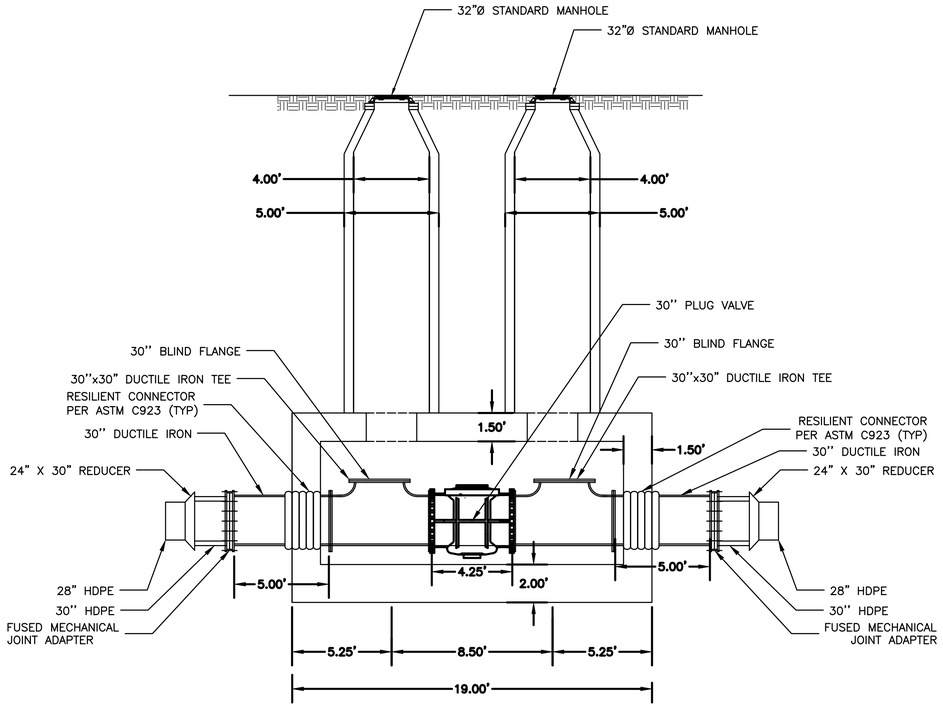
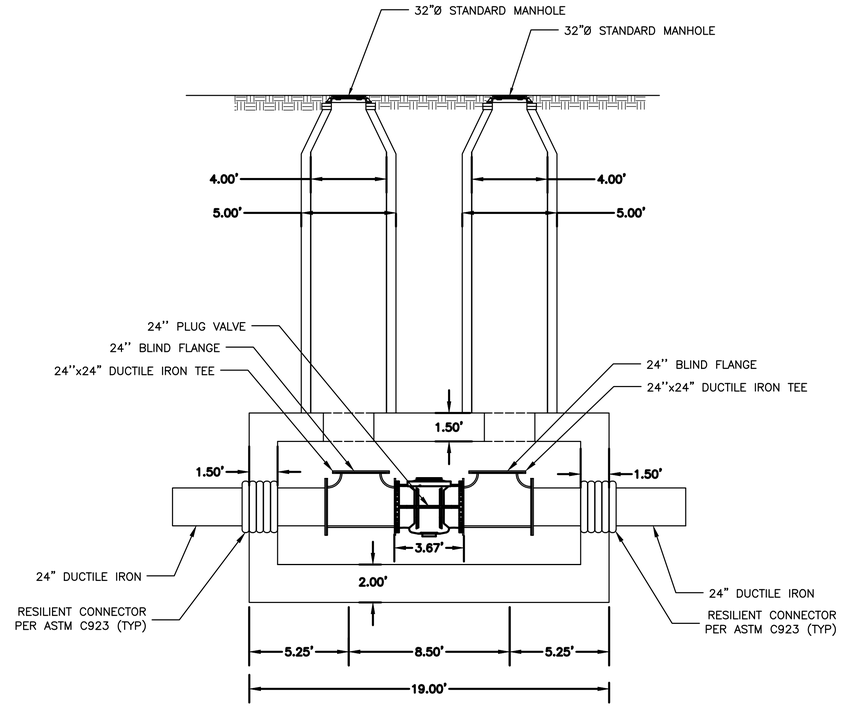
NEIL BARNSDALE, P.E.	
SHEET NO. 94 OF 403	



ISOLATION VALVE DETAIL
ALTERNATIVE 1 – HDPE



ISOLATION VALVE DETAIL
ALTERNATIVE 2 – DUCTILE IRON

NOTES
1. ISOLATION VALVES ARE INCIDENTAL TO VALVE VAULT. NO SEPARATE PAY.
2. SEE SHEET S–53 FOR STRUCTURAL DETAIL OF VALVE VAULT.
3. MECHANICAL JOINT ADAPTER SHALL HAVE AN INTEGRAL STAINLESS STEEL STIFFENER. ISCO OR ENGINEER APPROVED EQUIVALENT.
4. MEGA–LUGS AND PLAIN–END HDPE PIPE ARE NOT AN ACCEPTABLE ALTERNATIVE.

NO.	REVISION	REVISION	APP.

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TBPE Firm Registration No. F-10053

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ALLY GENERAL SOLUTIONS, LLC
FB NO. P–6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

ISOLATION VALVE DETAILS

WARNING
0 1
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DWG NO
C–80

WBS NUMBER
R–001000–0035–4

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SCALE: N/A

CITY OF HOUSTON PM
NEIL BARNSDALE, P.E.

SHEET NO. 95 OF 403

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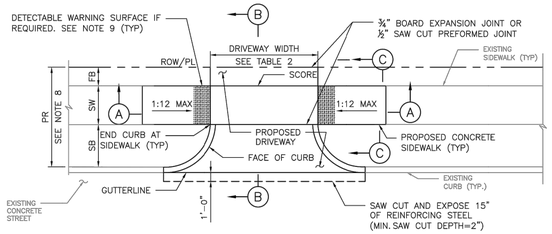
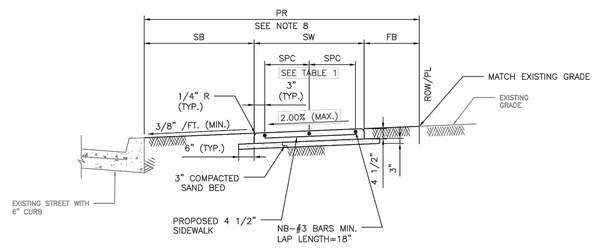
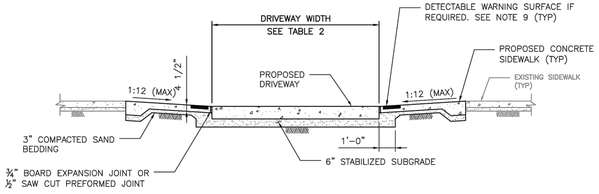


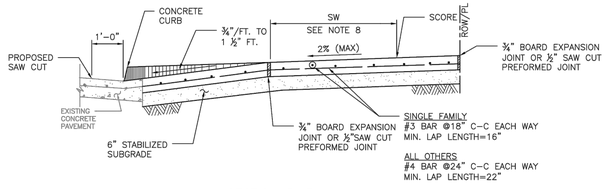
PLAN VIEW
DRIVEWAY



SECTION C–C
TYPICAL SIDEWALK SECTION



SECTION A–A
PROPOSED SIDEWALK THROUGH DRIVEWAY
WITH EXCESSIVE ELEVATION DIFFERENCE
WITH EXISTING SIDEWALK



SECTION B–B
TYPICAL DRIVEWAY SECTION

TABLE 1

REINFORCING STEEL INFORMATION
FOR 4 ½ " THICK SIDEWALKS
EXPANSION JOINT SPACING = 40 FT
f'_c = 3,500 PSI AND f_y = 60,000 PSI
REFER TO CONTRACT DRAWINGS FOR SIDEWALKS WIDER THAN 6 FEET.

SIDEWALK THICKNESS (IN)	SIDEWALK WIDTH (FT)	LONGITUDINAL STEEL			TRANSVERSE STEEL #3 BARS SPACING (IN)
		#3 BARS			
		NO. OF BARS "NB"	SPACING "SPC" (IN)	END BAR SPACING (IN)	
4.5	5	3	27	3	48
4.5	6	4	22	3	48

TABLE 2

DRIVEWAY DESIGN CRITERIA (1)(2)

TRAFFIC TYPE	TYPE A DRIVEWAY (FOR SINGLE FAMILY RESIDENTIAL HOUSES OR DUPLEXES)				TYPE B DRIVEWAY (SHARED ACCESS/SHARED DRIVEWAY)				TYPE C DRIVEWAY (COMMERCIAL DRIVEWAY)			
	WIDTH (FT)		RADIUS (FT)		WIDTH (FT)		RADIUS (FT)		WIDTH (FT)		RADIUS (FT)	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
ONE–WAY	10	12	4	10	12(5)	16(5)	4(5)	10(5)	15	20	10	20
TWO–WAY	10(3)	24(4)	4	10	16(6)	24	4	10	24	35	10	20

(1) REFER TO INFRASTRUCTURE DESIGN MANUAL ARTICLE 15.2.07.C.1.F FOR DRIVEWAYS THAT REQUIRE A VEHICLE SWEPT PATH ANALYSIS.
(2) REFER TO INFRASTRUCTURE DESIGN MANUAL ARTCILES 15.2.07.C.1.G.(1) AND 15.2.07.C.1.G.(2) FOR TYPE 1 PAE AND TYPE 2 PAE REQUIREMENTS.
(3) THE MINIMUM WIDTH FOR JOINT ACCESS DRIVEWAY IS 12 FT.
(4) REFER TO CHAPTER 42 OF THE CODE OF ORDINANCES FOR DRIVEWAY WIDTHS FOR NARROW LOTS.
(5) ONLY MURS AND COURTYARD STYLE DEVELOPMENTS ON CORNER LOTS CAN HAVE ONE–WAY DRIVEWAYS.
(6) REFER TO CHAPTER 42, SECTION 42–146 OF THE CODE OF ORDINANCES FOR EXCEPTIONS TO THE MINIMUM DRIVEWAY WIDTH FOR SHARED DRIVEWAYS.

NOTES:

1. REPAIR, RECONSTRUCTION OR REPLACEMENT OF SIDEWALKS SHALL MEET PERMITTING REQUIREMENTS OF CODE OF ORDINANCES SECTION 40–552.
2. FOR REPAIR, RECONSTRUCTION, OR REPLACEMENT OF EXISTING SIDEWALKS:
   - 2.1. EXISTING SIDEWALKS LESS THAN OR EQUAL TO 20 FEET IN TOTAL LENGTH:
     - 2.1.1. THE PROPOSED SIDEWALK WIDTH WILL BE ALLOWED TO MATCH THE EXISTING SIDEWALK.
   - 2.2. EXISTING SIDEWALKS GREATER THAN 20 FEET IN TOTAL LENGTH:
     - 2.2.1. THE SIDEWALK WIDTH FOR THE ENTIRE PROPERTY WIDTH SHALL BE IMPROVED TO MEET WIDTH REQUIREMENTS ACCORDING TO THE LATEST INFRASTRUCTURE DESIGN MANUAL.
   - 2.3. 20 FOOT TOTAL LENGTH IS DEFINED AS:
     - 2.3.1. UP TO 10 FEET ON BOTH SIDES OF THE DRIVEWAY; OR
     - 2.3.2. UP TO 20 FEET WHEN SIDEWALK AFFECTED IS LOCATED ONLY ON ONE SIDE OF THE DRIVEWAY.
3. ALL JOINTS ALONG THE SIDEWALK SHALL BE CONSTRUCTED ACCORDING TO DRAWING 02752–02 AND SPECIFICATION 02752.
4. DRIVEWAYS SHALL BE MINIMUM 6" THICK FOR SINGLE FAMILY AND DUPLEXES. DRIVEWAYS SHALL BE MINIMUM 7" THICK FOR ALL OTHERS (I.E. COMMERCIAL, INDUSTRIAL, ETC.)
5. DRIVEWAYS AND SIDEWALKS SHALL BE CONSTRUCTED WITH PORTLAND CEMENT CONCRETE AND INCLUDE 5 1/2 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE.
6. ALL RAMPS AND SIDEWALKS/WALKWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOUSTON PUBLIC WORKS STANDARDS, TEXAS ACCESSIBILITY STANDARDS (TAS) AND AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS. IF THERE IS A CONFLICT IN THE REQUIREMENTS, THE STRICTEST REQUIREMENTS SHALL GOVERN.
7. CURB RAMPS THAT ARE STEEPER THAN A 1:12 MAX SLOPE WILL NOT BE ACCEPTED BY THE CITY OF HOUSTON.
8. REFER TO CONTRACT DRAWINGS FOR PEDESTRIAN REALM (PR), SIDEWALK (SW), FRONTAGE BUFFER (FB), AND SAFETY BUFFER (SB) WIDTHS.
9. DETECTABLE WARNING SURFACES:
   - 9.1. SIDEWALK SHALL HAVE A DETECTABLE WARNING SURFACE WHERE:
     - 9.1.1. SIDEWALK INTERSECTS TYPE C DRIVEWAYS (COMMERCIAL DRIVEWAYS) THAT ARE STOP, YIELD, OR TRAFFIC SIGNAL CONTROLLED; OR
     - 9.1.2. SIDEWALK SLOPE IS GREATER THAN 1:20 AND INTERSECTS A TYPE C DRIVEWAY (COMMERCIAL DRIVEWAY)
   - 9.2. DETECTABLE WARNING SURFACES ARE OPTIONAL WHERE SIDEWALKS INTERSECT TYPE A DRIVEWAYS (SINGLE FAMILY RESIDENTIAL HOUSES OR DUPLEXES) OR TYPE B DRIVEWAYS (SHARED ACCESS/SHARED DRIVEWAYS).
   - 9.3. REFER TO STANDARD DETAILS 02775–06 TO 02775–07 FOR DETECTABLE WARNING SURFACE STANDARDS.

DISCLAIMER:
THE USE OF THIS STANDARD IS GOVERNED BY THE TEXAS ENGINEERING PRACTICE ACT. THE DESIGN REQUIREMENTS ON THIS STANDARD DO NOT PURPORT TO ADDRESS ALL OF THE SAFETY CONCERNS ASSOCIATED WITH THEIR USE. THE ENGINEER OF RECORD (EOR) IS TO REVIEW THESE DESIGN REQUIREMENTS AND BY AUTHORIZING THEIR USE, ACCEPTS RESPONSIBILITY FOR THEIR APPLICABILITY, ADEQUACY AND SAFETY. NO WARRANTY OF ANY KIND IS MADE BY THE CITY OF HOUSTON FOR ANY PURPOSES WHATSOEVER. THE CITY OF HOUSTON ASSUMES NO RESPONSIBILITY FOR INCORRECT RESULTS OR DAMAGES RESULTING FROM ITS USE.

APPROVED BY:	APPROVED BY:
DocuSigned by: Sukul Iruwar 69F8B9D6419F47B...	DocuSigned by: HẢNG NGUYỄN 05A2B9FDA75B4CD...
CITY ENGINEER	CITY TRAFFIC ENGINEER
APPROVED BY: DocuSigned by: Carl Haddock 4A5C4...REVIEWED	
DIRECTOR OF HOUSTON PUBLIC WORKS	
EFF DATE: NOV–27–2023	DWG NO: 02754–01B

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

DRIVEWAY DETAIL WITH 6" CURBED STREETS

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DRAWN BY: J. GOTTLIEB	FB NO. P–6416
CHECKED BY: E. RULLMAN	
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CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

ROADWAY DETAILS
SHEET 1 OF 4

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
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WARNING
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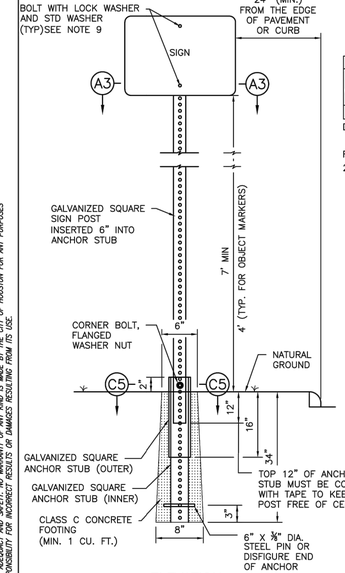
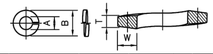


ELEVATION

TYPICAL GROUND SIGN INSTALLATION
PERFORATED SQUARE METAL TUBING

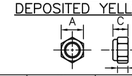
TABLE A	
GALVANIZED SQUARE SIGN POST (PERFORATED)	1-3/4"x-1-3/4" (14 GAUGE)
GALVANIZED SQUARE ANCHOR STUB (PREFORATAED) (INNER)	2"x2"x36" (14 GAUGE)
GALVANIZED SQUARE ANCHOR STUB (PERFORATED) (OUTER)	2 1/4" x 2 1/4" x 18" (14 GAUGE)



NOMINAL WASHER SIZE	A INSIDE DIAMETER MAX	A INSIDE DIAMETER MIN	B OUTSIDE DIAMETER MAX	T MEAN SECTION (THICKNESS)	W SECTION WIDTH
5/16"	0.332"	0.314"	0.583"	0.078"	0.125"

DIMENSIONS: ASME B18.21.1
MATERIAL: ALLOY STEEL PER ASME B18.21.1
FINISH: MECHANICAL ZINC PER ASTM B695, CLASS 5, TYPE 2 (YELLOW)

5/16" SPLIT LOCK WASHER, HIGH ALLOY MECHANICAL DEPOSITED YELLOW SINK



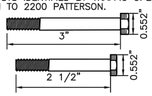
SIZE	C THICKNESS MAX	C THICKNESS MIN	A WIDTH ACROSS FLATS MAX	A WIDTH ACROSS FLATS MIN	D HEX HEIGHT MIN
0.313"	0.359"	0.329"	0.502"	0.489"	0.250"

DIMENSIONS: ASME B18.16.6
MATERIAL: CARBON STEEL, GRADE 8 PER ASME B18.16.6, NYLON ⅝
THREAD REQUIREMENTS: ASME B1.1 UNC & UNF CLASS 2B

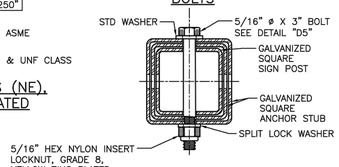
HEX NYLON INSERT LOCKNUTS (NE), GRADE 8, YELLOW ZINC PLATED

NOTES:

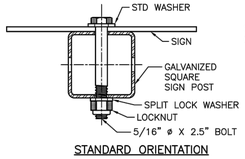
1. THE EXISTING SIGNS LOCATED ON PUBLIC CONSTRUCTION SITE ARE THE PROPERTY OF THE CITY OF HOUSTON. THROUGHOUT THE PERIOD OF THE CONTRACT, THE CONTRACTOR SHALL PROTECT THESE SIGNS SUCH THAT THEY ARE NOT DAMAGED IN THE COURSE OF CONSTRUCTION ACTIVITY. SUCH PROTECTION SHALL INCLUDE THE PERIOD AFTER SIGNS ARE REMOVED FROM INSTALLATION AND STORED BY THE CONTRACTOR OR DELIVERED TO THE TRAFFIC OPERATIONS CENTER (2200 PATTERSON). THE GENERAL TRAFFIC SUPERINTENDENT (832-395-6771) MUST BE NOTIFIED 48 HOURS IN ADVANCE PRIOR TO DELIVERY.
2. AFTER SIGNS ARE REMOVED FROM INSTALLATION AND ARE BEING STORED BY THE CONTRACTOR, THE CONTRACTOR SHALL CONTACT THE TRAFFIC OPERATIONS DIVISION OF HOUSTON PUBLIC WORKS (832-395-6771) AND ARRANGE FOR A CONVENIENT TIME TO DELIVER ONLY CITY SIGNS AND POSTS IDENTIFIED BY TRAFFIC OPERATIONS DIVISION TO 2200 PATTERSON.
3. PRIOR TO THE START OF CONSTRUCTION, ALL EXISTING SIGNS WITHIN THE AREA OF CONSTRUCTION WILL BE INVENTORIED AND DOCUMENTED JOINTLY BY THE CITY INSPECTOR AND THE CONTRACTOR. THIS DOCUMENT WILL BE JOINTLY SIGNED BY BOTH PARTIES REFLECTING THE SIGN TYPE, SIGN SIZE, SIGN CONDITION, SIGN LOCATION, REFLECTIVITY ADEQUACY, ETC. THE CONTRACTOR IS HELD ACCOUNTABLE FOR THESE SIGNS THROUGHOUT THE PROJECT AND AT THE PROJECTS COMPLETION.
4. ALL GROUND MOUNTED STOP SIGNS, WARNING SIGNS, AND OTHER REGULATORY SIGNS SHALL USE AT A MINIMUM HIGH INTENSITY PRISMATIC REFLECTIVE SHEETING.
5. ALL OVERHEAD SIGNS SHALL USE DIAMOND GRADE REFLECTIVE SHEETING.
6. ALL OTHER SIGNS SHALL USE SUPER ENGINEER GRADE SHEETING.
7. ALL BLANKS TO BE INSTALLED SHALL BE ALUMINUM ALLOY 6061-T-6 OR 5052-H38 IN ACCORDANCE WITH ASTM B209.
8. ALL HOLES SHALL BE ¾" DIAMETER DRILLED OR PUNCHED AS SHOWN ON EACH BLANK DETAIL AND SHALL BE FREE OF BURRS AND / OR ROUGH EDGES. WHERE NON-STANDARD ORIENTATION OF SIGN IS USED, ENLARGE HOLE IN SIGN POST AT SIGN CONNECTION NOT GREATER THAN 11/16" IN DIAMETER.
9. BOLT SIZE REQUIREMENTS FOR SIGN CONNECTION:
   9.1. STANDARD ORIENTATION = 5/16" DIA X 2 1/2" BOLT
   9.2. NON STANDARD ORIENTATION = 5/16" DIA X 3" BOLT
10. SIGN BLANK CORNERS TO BE ROUNDED AS SHOWN ON EACH DETAIL ON SHEET 01554-06.
11. ALL SIGN BLANKS ARE TO BE ETCHED, DEGREASED, AND HAVE A COATING MEETING THE REQUIREMENTS OF ASTM B449, CLASS 2, OR ASTM B921, CLASS 2, PRIOR TO APPLICATION OF LEGENDS.
12. ALL SIGNS SHALL BE MANUFACTURED AND INSTALLED IN CONFORMANCE TO THE LATEST TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD) AND STANDARD HIGHWAY SIGNS LATEST EDITION.



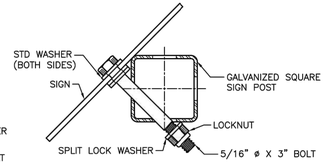
SECTION D5
BOLTS



SECTION C5
CORNER BOLT



STANDARD ORIENTATION



NON-STANDARD ORIENTATION

SECTION A3: SIGN CONNECTION DETAILS

CITY OF HOUSTON
HOUSTON PUBLIC WORKS STANDARD

GENERAL NOTES AND GROUND MOUNTING SIGN

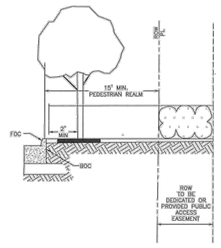
(SCALE: NOT TO SCALE)

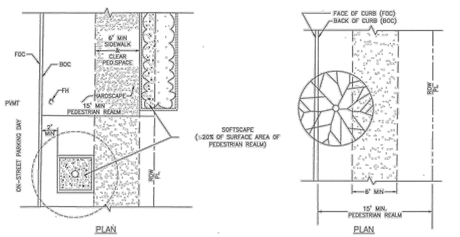
APPROVED BY:

DocuSigned by: Sulad Kunwar — CITY ENGINEER
DocuSigned by: Hailing Nguyen — CITY TRAFFIC ENGINEER
DocuSigned by: Carl Haddock — DIRECTOR OF HPW

EFF DATE: NOV-27-2023 DWG NO: 01554-01

02775-08

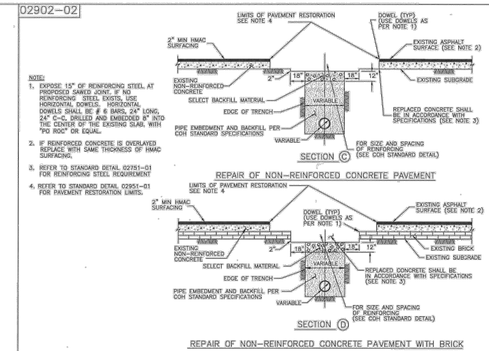




NOTES
1. REFER TO CHAPTER 42 OF THE CODE OF ORDINANCES, ARTICLE IV – TRANSIT CORRIDOR DEVELOPMENT.

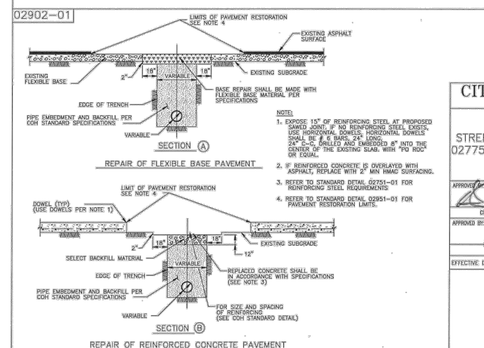
SIDEWALKS AND CLEAR ZONE TRANSIT CORRIDOR STREET
NTS

02902-02



1. EXPOSE 15" OF REINFORCING STEEL AT PROPOSED SAWED JOINT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE # 6 BARS, 24" LONG, DOWELS SHALL BE DRILLED AND EMBEDDED 8" INTO THE CENTER OF THE EXISTING SLAB. WITH "PG ROC" OR EQUAL.
2. IF REINFORCED CONCRETE IS OVERLAYED REPLACE WITH SAME THICKNESS OF HMAC SURFACING.
3. REFER TO STANDARD DETAIL 02751-01 FOR REINFORCING STEEL REQUIREMENTS
4. REFER TO STANDARD DETAIL 02951-01 FOR PAVEMENT RESTORATION LIMITS.

02902-01



1. EXPOSE 15" OF REINFORCING STEEL AT PROPOSED SAWED JOINT. IF NO REINFORCING STEEL EXISTS, USE HORIZONTAL DOWELS. HORIZONTAL DOWELS SHALL BE # 6 BARS, 24" LONG, DOWELS SHALL BE DRILLED AND EMBEDDED 8" INTO THE CENTER OF THE EXISTING SLAB. WITH "PG ROC" OR EQUAL.
2. IF REINFORCED CONCRETE IS OVERLAYED WITH ASPHALT, REPLACE WITH 3" MIN HMAC SURFACING.
3. REFER TO STANDARD DETAIL 02751-01 FOR REINFORCING STEEL REQUIREMENTS
4. REFER TO STANDARD DETAIL 02951-01 FOR PAVEMENT RESTORATION LIMITS.

PAVEMENT REPAIR DETAILS FOR STREET CUTS – NON REINFORCED CONCRETE AND BRICK PAVEMENT
NTS

PAVEMENT REPAIR DETAILS FOR STREET CUTS
NTS

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

STREET PAVING AND SIDEWALK
02775-08 THROUGH 02902-02

APPROVED BY: CITY ENGINEER; APPROVED BY: DEPUTY DIRECTOR
APPROVED BY: DIRECTOR OF HOUSTON PUBLIC WORKS
EFFECTIVE DATE: JUL-01-2020
FOR CITY OF HOUSTON USE ONLY

SHEET NO.

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F-10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN
DRAWN BY: J. GOTTLIEB
CHECKED BY: E. RULLMAN
REVIEWED BY: A. FASCHAN
APPROVED BY: A. FASCHAN

SURVEYED BY:
ALLY GENERAL SOLUTIONS, LLC
FB NO. P-6416

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

ROADWAY DETAILS
SHEET 2 OF 4

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C-82

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R-001000-0035-4	
DRAWING SCALE	
SCALE: N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 97 OF 403	

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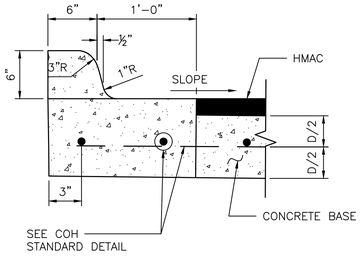
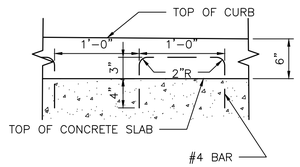
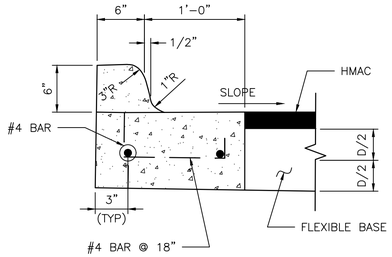


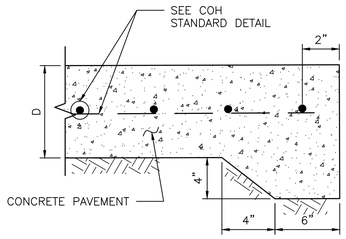
ESPLANADE CURB CONNECTED TO CONCRETE BASE



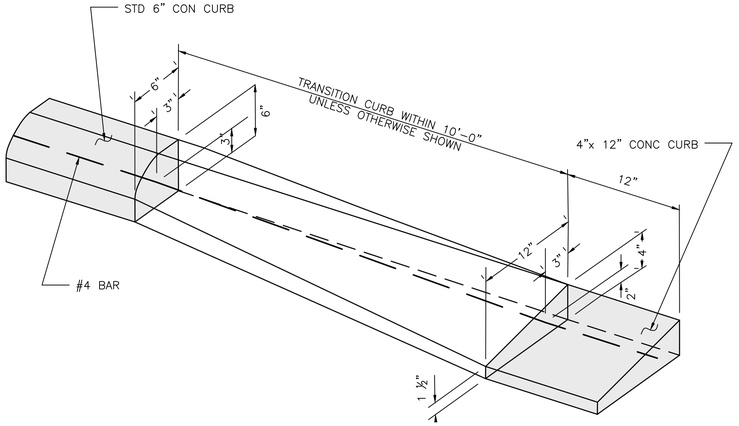
ALTERNATE CONCRETE CURB REINFORCEMENT



ESPLANADE CURB CONNECTED TO FLEXIBLE BASE

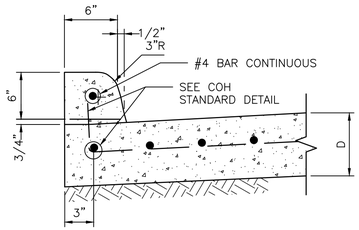


STANDARD CONCRETE PAVING HEADER

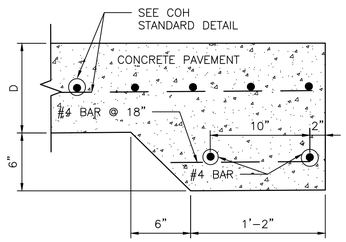


CURB TRANSITION

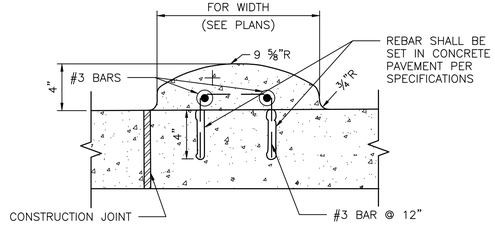
(SEE NOTES)



CONCRETE CURB

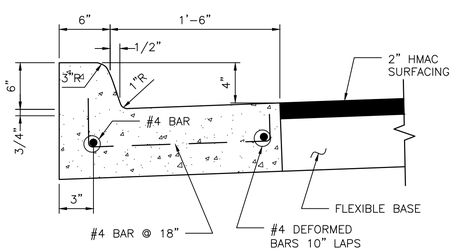


STANDARD RAILROAD HEADER

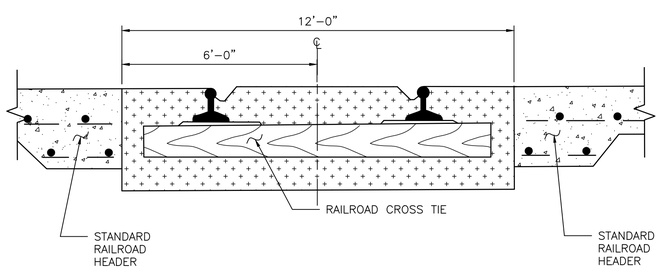


MOUNTABLE CURB

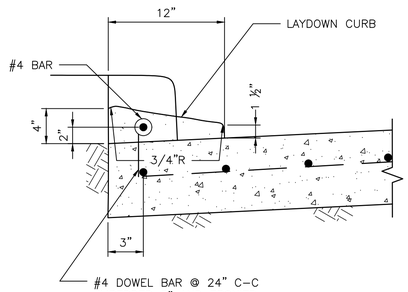
WHEN CONCRETE CURB IS TO BE PLACED EXISTING CONCRETE USE BASE
#4 BAR @ 18x10" LONG, DOWELED AND SET IN EPOXY GROUT.
SET #4 DOWEL BARS, 25" LONG AT 12" C–C WHEN PAVEMENT SECTION POURED.



MONOLITHIC CURB AND GUTTER

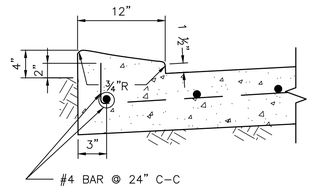


STANDARD RAILROAD CROSSING – SINGLE TRACK



4–INCH x 12–INCH TRANSITION CURB

(SEE NOTES)



4–INCH x 12–INCH MONOLITHIC CURB

(SEE NOTES)

4"x12" MONOLITHIC AND TRANSITION CURB NOTES:

1. 6–INCH CONCRETE CURB TO BE CONSTRUCTED ON ALL ESPLANADES, ISLANDS, NON–RESIDENTIAL STREETS, AND RESIDENTIAL STREETS.
2. TRANSITIONS FROM 6– INCH CONCRETE CURB TO 4–INCH x 12–INCH CONCRETE CURB TO BE ACCOMPLISHED WITHIN 10 FEET, UNLESS OTHERWISE SHOWN. IF THIS 10–FEET TRANSITION CURB IS NOT POURED MONOLITHICALLY WITH THE PAVEMENT, THEN REINFORCING STEEL AS SHOWN IN "4–INCH x 12–INCH TRANSITION CURB" IS TO BE INSTALLED.

CURB, CURB AND GUTTER AND HEADER DETAILS

NOV–27–2023 02771–01

SCALE: N/A

NO.	REVISION	REVISION	APP.

ARDURRA
3115 Allen Parkway, Suite 300
Houston, Texas 77019
TBPE Firm Registration No. F–10053

PRELIMINARY REVIEW ONLY
NOT INTENDED FOR CONSTRUCTION, BIDDING OR PERMITTING PURPOSES
EVAN RULLMAN, P.E.
P.E. SERIAL No. 159410
DATE: 05/14/26

DESIGNED BY: E. RULLMAN	SURVEYED BY:
DRAWN BY: J. GOTTLIEB	ALLY GENERAL SOLUTIONS, LLC
CHECKED BY: E. RULLMAN	FB NO. P–6416
REVIEWED BY: A. FASCHAN	
APPROVED BY: A. FASCHAN	

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

CRMP PACKAGE 4 – EDDINGTON LIFT STATION, 24" FORCEMAIN, AND SCOTT STREET WET WEATHER FACILITY STORAGE TANK NO. 1

ROADWAY DETAILS
SHEET 3 OF 4

WARNING
0 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE

DWG NO
C–83

WBS NUMBER	FOR CITY OF HOUSTON USE ONLY
R–001000–0035–4	
DRAWING SCALE	
SCALE: N/A	
CITY OF HOUSTON PM	
NEIL BARNSDALE, P.E.	
SHEET NO. 98 OF 403	

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