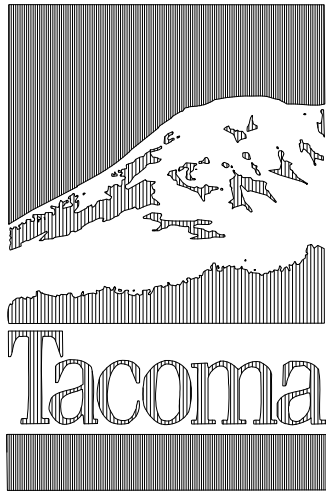


DATE: 2/20/2023 1:16 PM    PATH: P:\146 SERIES - CITY OF TACOMA\146.04 SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT\DRAWINGS\STRUCTURAL    FILE: G-1 COVER SHEET R1    LAYOUT: G-1



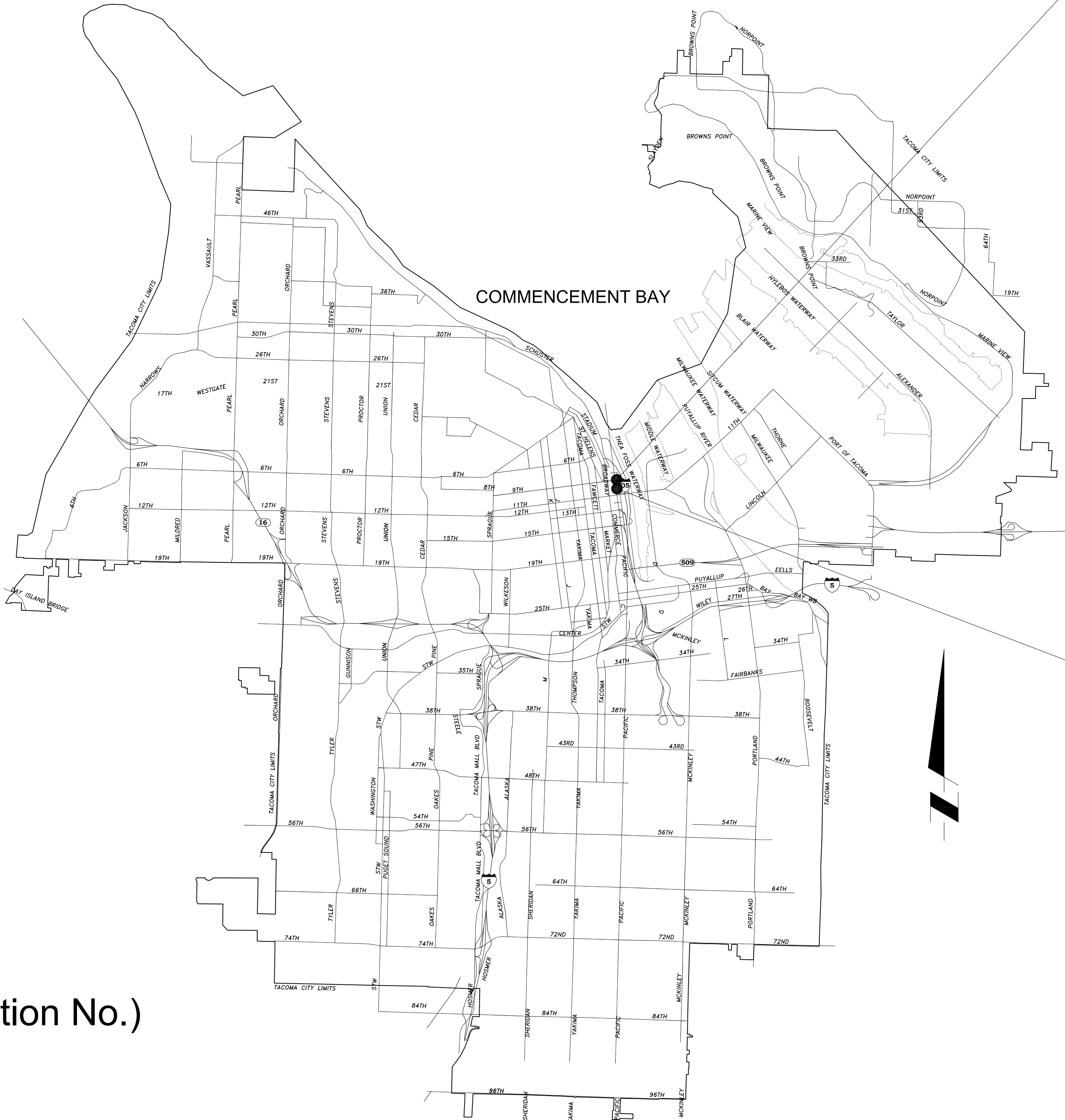
# SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT

Site A - S. 8th Street and Court A, Tacoma

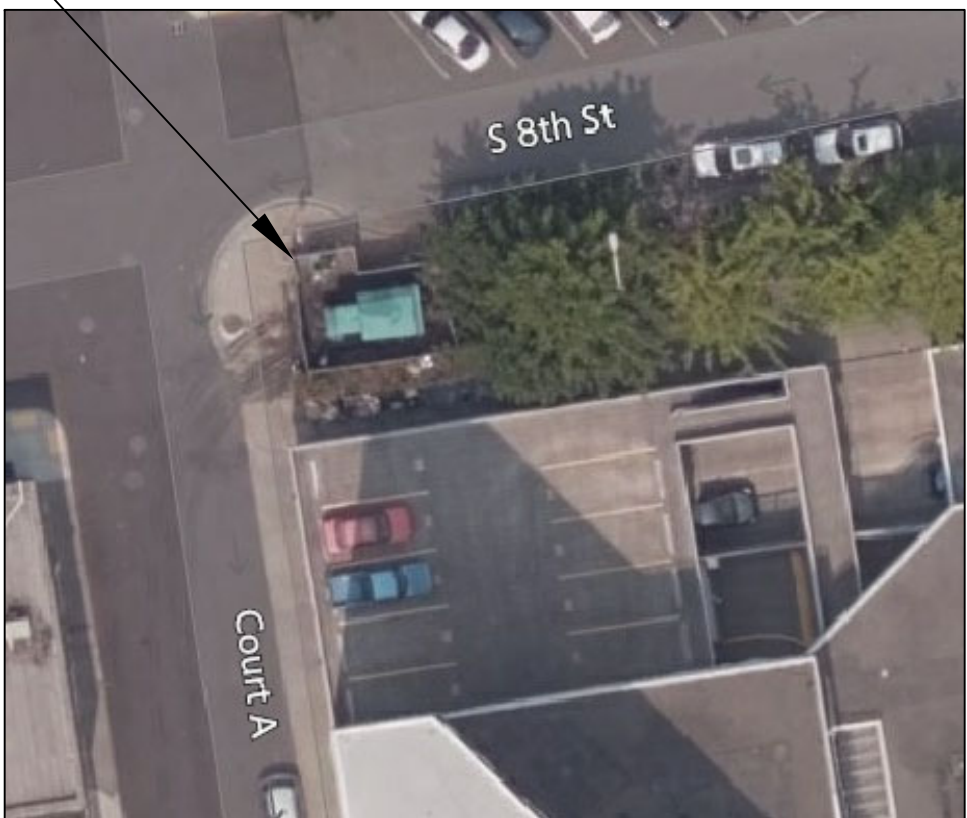
Site B - S. 10th Street and Court A, Tacoma

Environmental Services Department

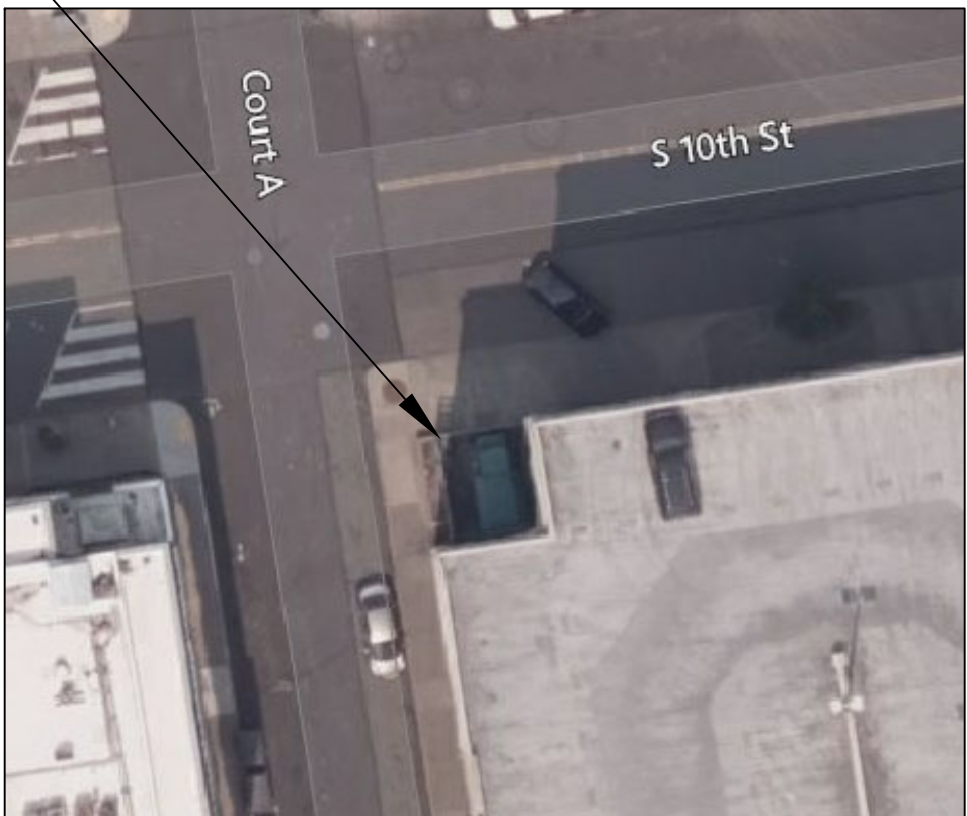
VICINITY MAP



PROJECT LOCATION  
SITE A



PROJECT LOCATION  
SITE B



## INDEX OF DRAWINGS

SHEET NUMBER	TITLE OF DRAWINGS
1	COVER SHEET, VICINITY MAP & INDEX OF DRAWINGS
2	SITE A - SITE PHOTOS
3	SITE B - SITE PHOTOS
4	SPECIAL INSPECTIONS AND TESTING 1 OF 2
5	SPECIAL INSPECTIONS AND TESTING 2 OF 2
6	SURVEY CONTROL
7	DEMOLITION & TESC PLAN
8	SITE A - LAYOUT & RESTORATION PLAN
9	SITE A - GRADING PLAN
10	SITE A & SITE B - LAYOUT & RESTORATION PLAN
10A	SITE B - LAYOUT & RESTORATION PLAN
10B	SITE B - GRADING PLAN
11	SITE A - ENCLOSURE DETAILS
12	SITE B - ENCLOSURE DETAILS
13	ENCLOSURE TYPICAL DETAILS 1 OF 3
14	ENCLOSURE TYPICAL DETAILS 2 OF 3
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16	STRUCTURAL ABBREVIATIONS & SYMBOLS
17	GENERAL STRUCTURAL NOTES
18	TYPICAL STRUCTURAL SECTIONS & DETAILS
19	SITE A - FOUNDATION PLAN
20	SITE A - SECTIONS & DETAILS
21	SITE B - FOUNDATION PLAN, SECTIONS, & DETAILS
22	ELECTRICAL LEGEND & GENERAL REQUIREMENTS
23	SITE A & SITE B - ELECTRICAL DEMOLITION PLANS
24	SITE A - ELECTRICAL POWER PLAN
25	SITE A - ELECTRICAL LIGHTING & SYSTEMS PLAN
26	SITE B - ELECTRICAL POWER PLAN
27	SITE B - ELECTRICAL LIGHTING & SYSTEMS PLAN
28	ELECTRICAL ONE-LINE DIAGRAMS & PANEL SCHEDULES

## BUILDING CODE SUMMARY

CODE: 2018 IBC WITH STATE OF WASHINGTON AMENDMENTS

TYPE: V-B

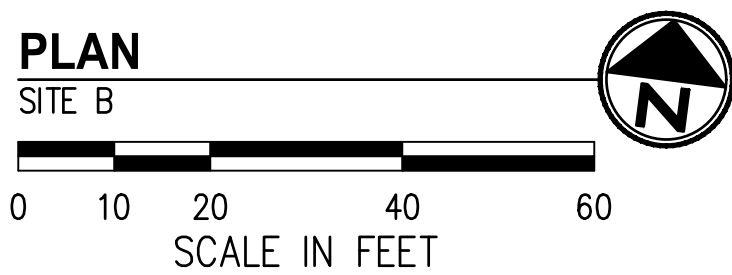
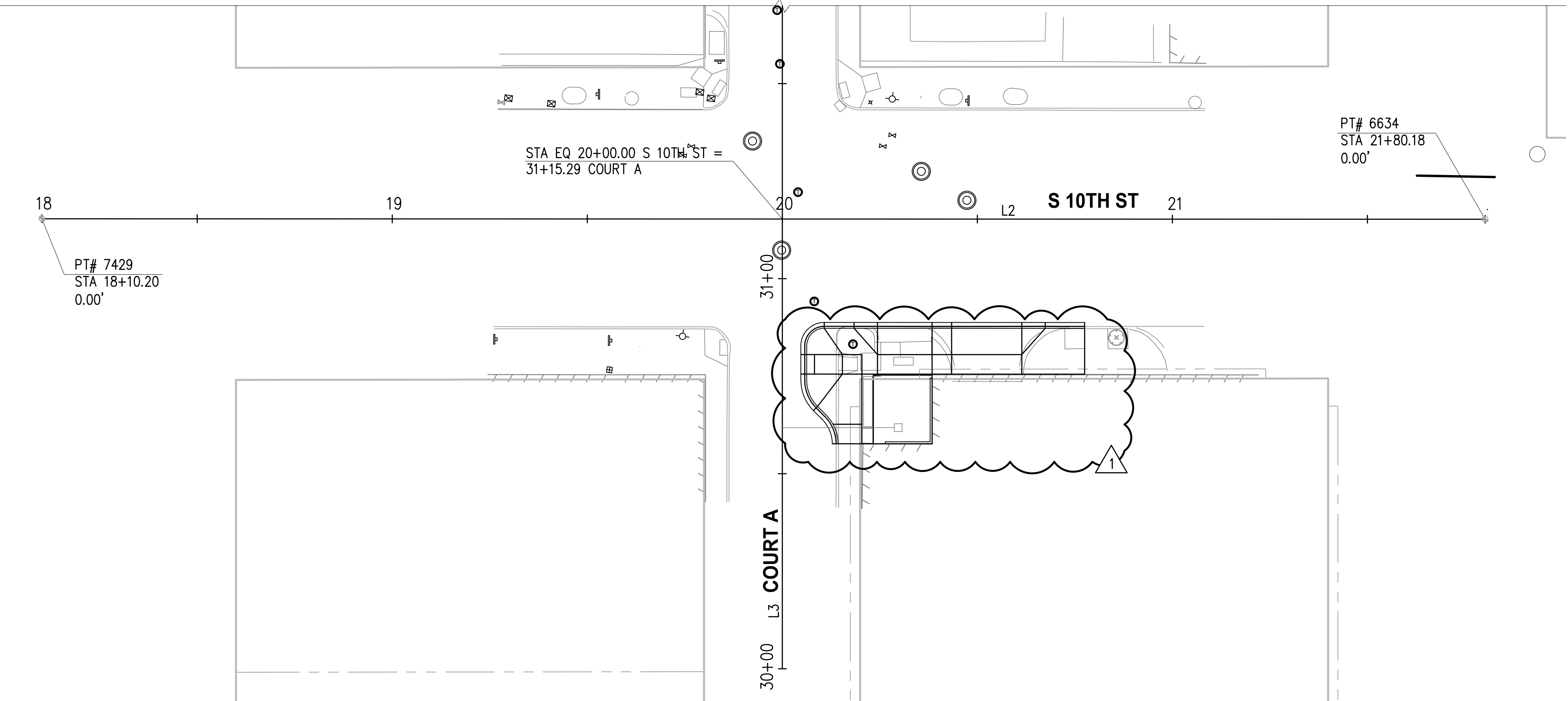
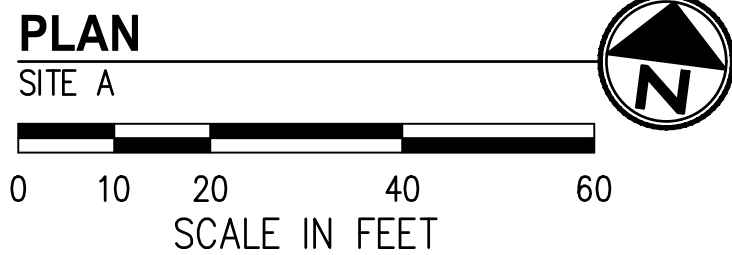
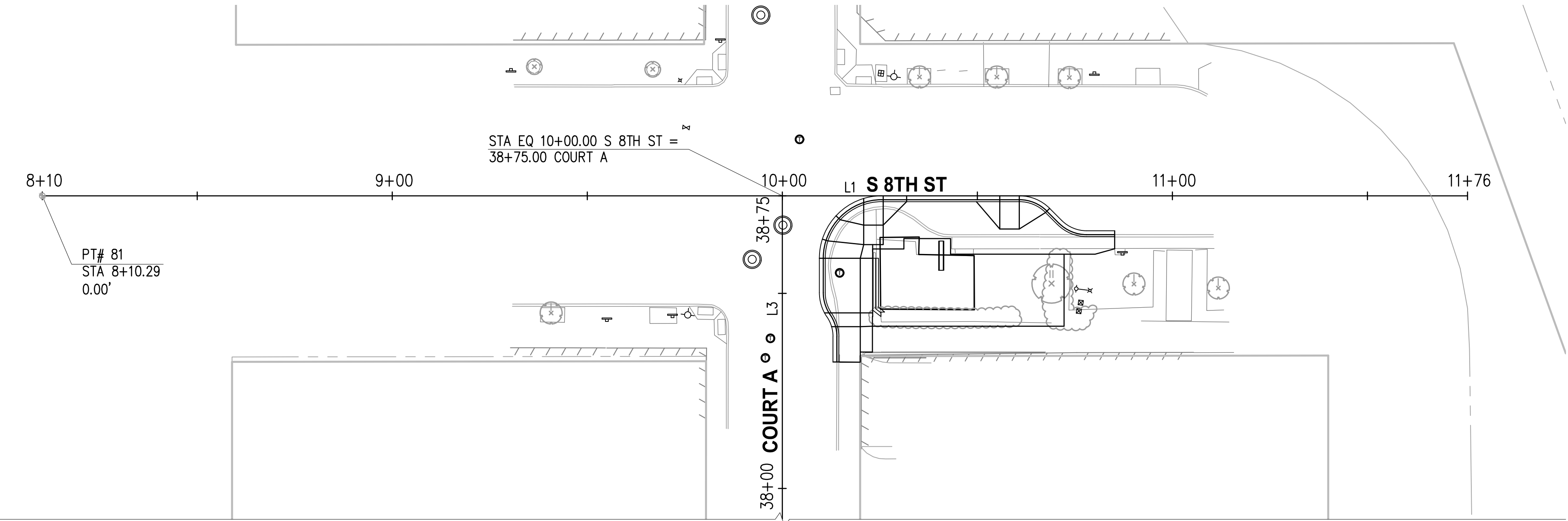
OCCUPANCY:  
GROUP - F1  
GROSS FOOTAGE - SITE A 908 SF  
SITE B 300 SF

FIRE PROTECTION:  
ALARM - NONE PROVIDED  
SPRINKLER - NON PROVIDED

ENV-00116-04-06  
ES22-0204F (Specification No.)

ISSUED FOR BID

SURVEY CONTROL
CONTROL FILE
CourtAS8S10.csv
KSA1013.csv



ALIGNMENT DATA					
NUMBER	START STA	NORTHING	EASTING	LENGTH	BEARING/DELTA
L1	8+10.29	707246.28	1158878.97	365.37	N 82°36'54" E
L2	18+10.20	706492.92	1158976.52	369.98	N 82°38'02" E
L3	30+00.00	706402.92	1159179.57	875.00	N 7°23'06" W

CONTROL POINT LIST				
PT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
81	SBM*	707246.28	1158878.97	111.50'
6634	MIC*	706540.36	1159343.44	0.00'
7429	SBM*	706492.92	1158976.52	100.06'

C-001

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CITY OF  
TACOMA  
Horizontal Datum  
N.A.D. '83/91  
Vertical Datum  
N.G.V.D. '29

ISSUED FOR  
BID

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PSOMAS

Tacoma  
2502 Jefferson Avenue  
Tacoma, WA 98402 253.627.0720  
Seattle | Wenatchee | KPG.com

Tacoma

ADDENDUM 4	2/13/23	OBP	FINAL CONSTRUCTION CHECKED	DATE 11/2022	SCALE 1"=20'
			BY DATE	DESIGNED JRW	CHECKED OBP
			FIELD BOOKS	DRAWN CS	PROJECT NAME 146.04
				DRAWING NAME 19143SPN.dwg	

12-02-2022

CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT

SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT

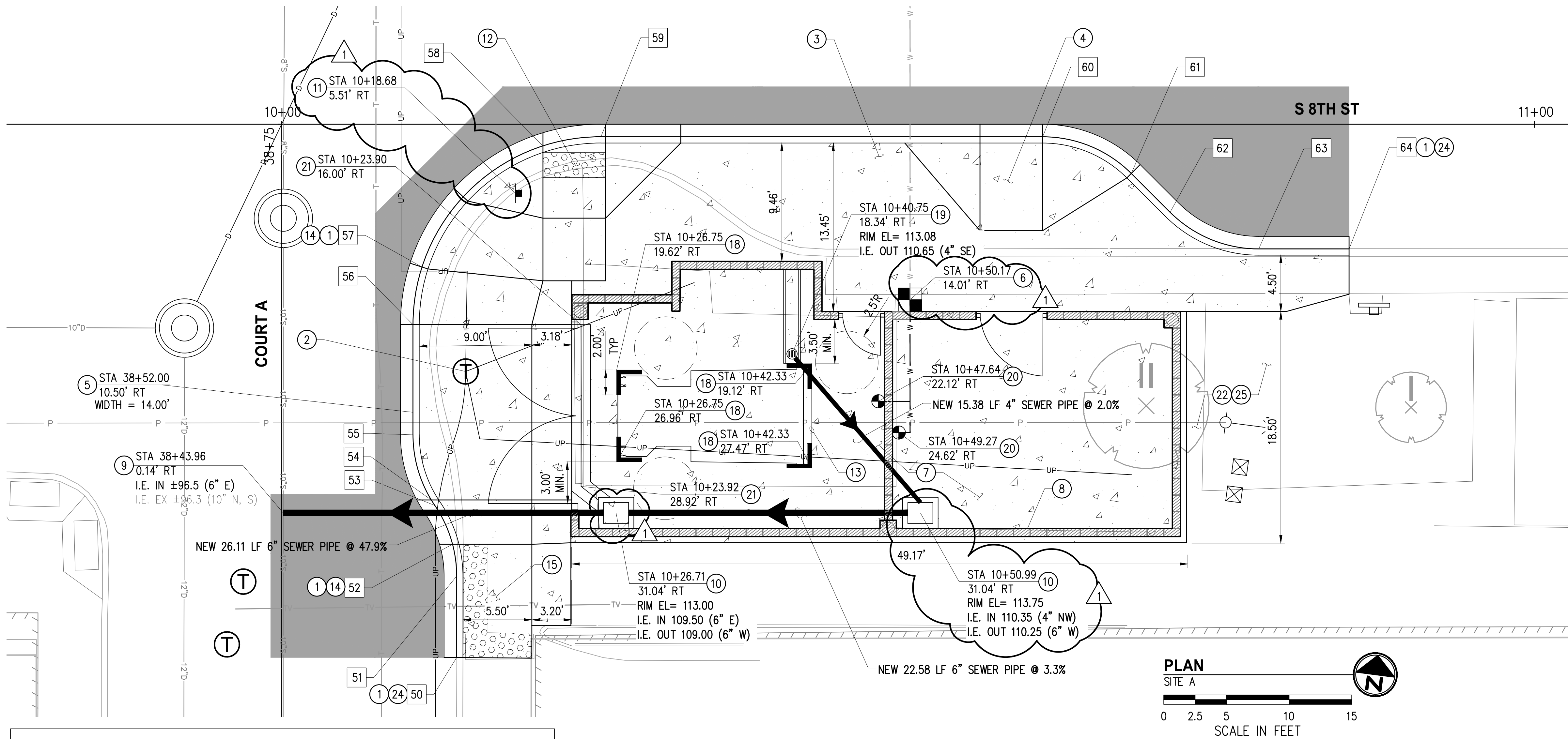
SURVEY CONTROL

SPEC. NO. ES22-0204F
WBS NO. ENV-00116-04-06
SHEET NO. SHEET 6 OF 28



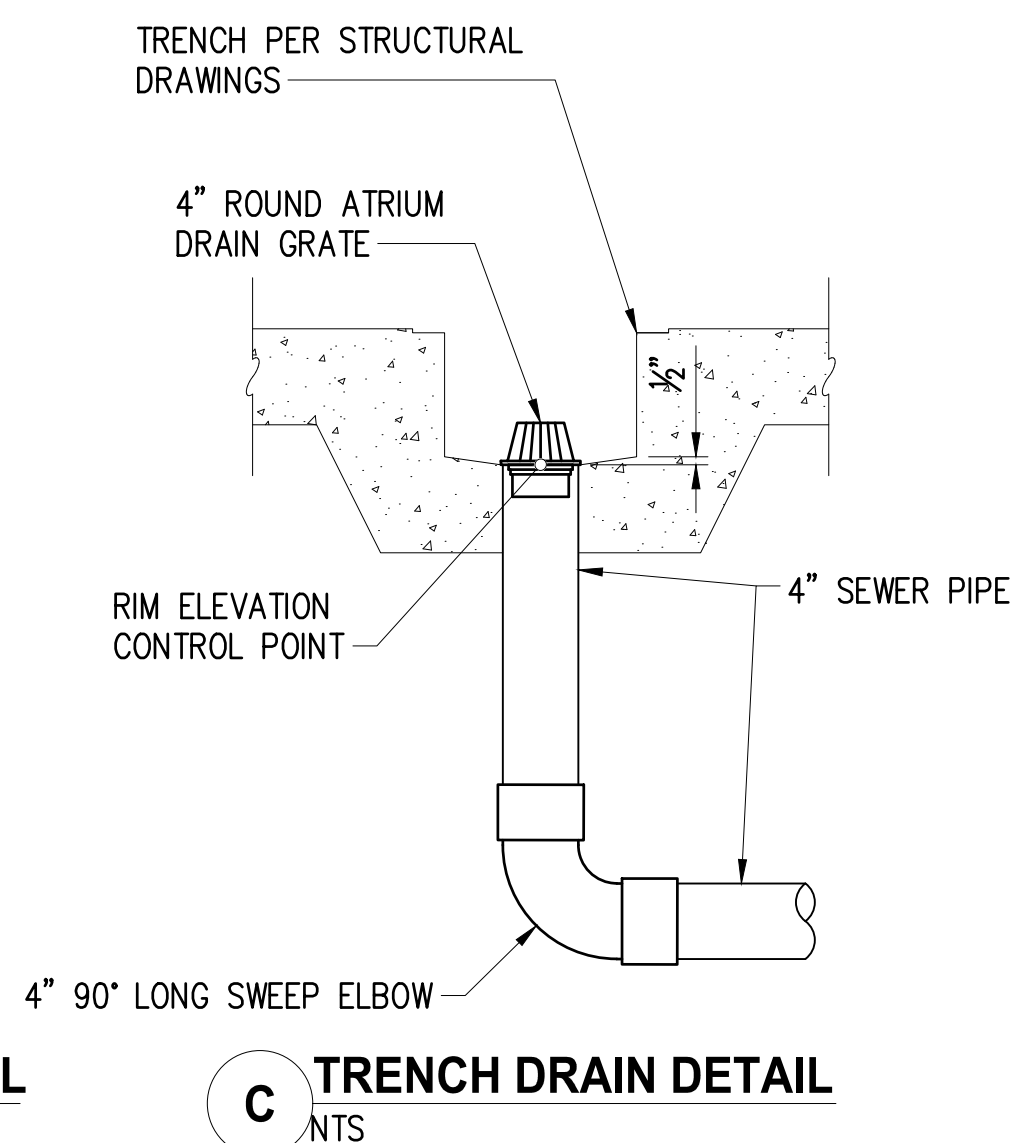
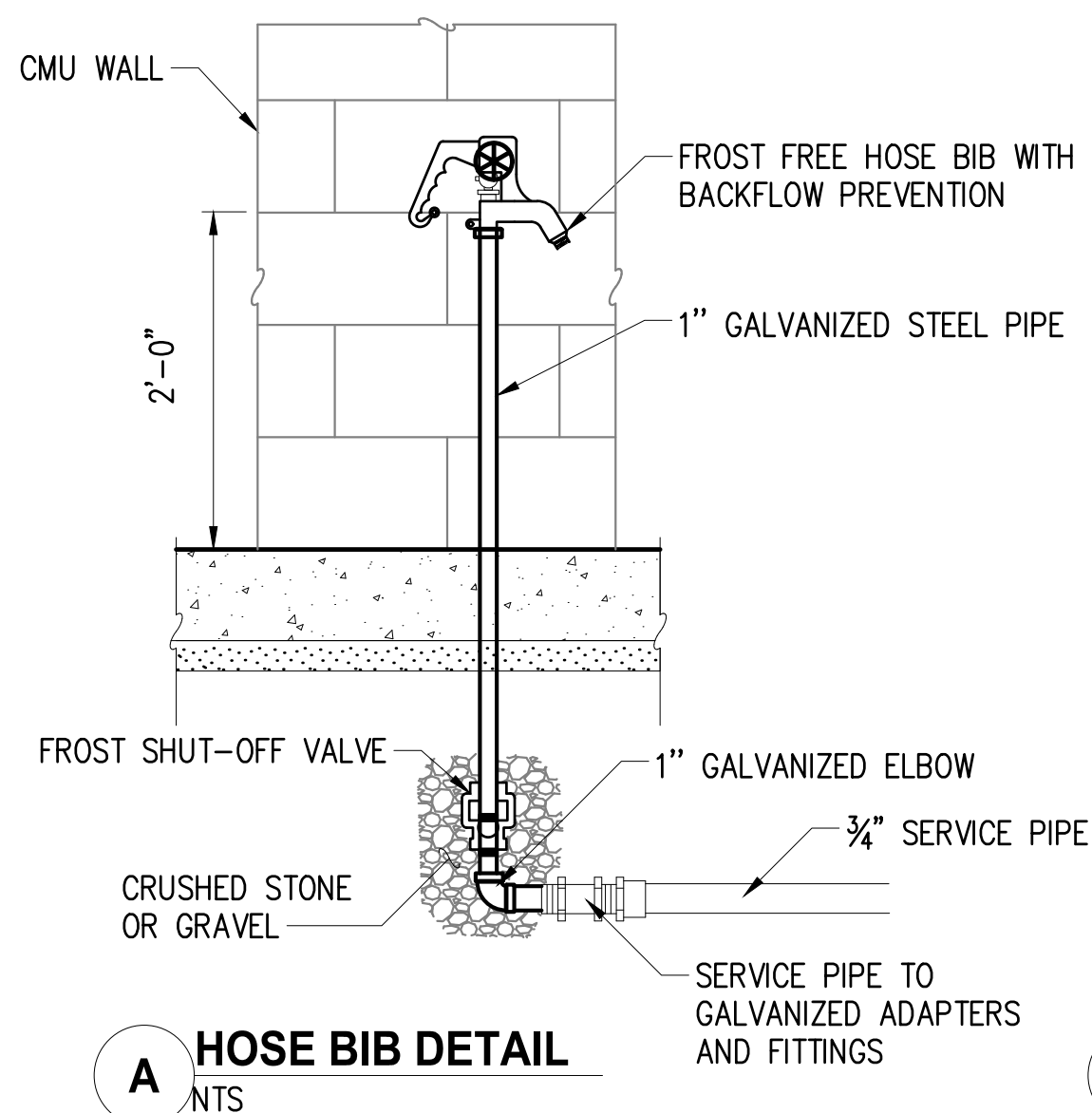






FLOWLINE POINTS - SITE A

#	STATION	OFFSET	ELEV	DESCRIPTION
50	38+32.42	13.99' RT	112.39	MATCH
51	38+38.92	13.99' RT	112.42	PC, 10.00' R
52	38+41.46	13.66' RT	112.44	MOUNTABLE TYPE C CURB TRANSITION, 0" HEIGHT
53	38+44.56	12.24' RT	112.45	PCC, 10.00' R, PVI
54	38+45.00	11.96' RT	112.46	MOUNTABLE TYPE C CURB TRANSITION, 3" HEIGHT
55	38+50.20	10.50' RT	112.55	PT
56	38+59.00	10.50' RT	112.70	PC, 15.00' R, PVI, MOUNTABLE TYPE C CURB TRANSITION, 3" HEIGHT
57	38+63.60	11.22' RT	112.78	MOUNTABLE TYPE C CURB TRANSITION, 6" HEIGHT
58	10+20.87	1.73' RT	113.05	PVI
59	10+25.50	1.00' RT	113.11	PT
60	10+60.75	1.00' RT	113.60	PVI, PC, 10.00' R
61	10+67.82	3.93' RT	113.74	PT, PVI
62	10+70.92	7.03' RT	113.81	PC, 10.00' R
63	10+77.99	9.96' RT	113.95	PT
64	10+85.20	9.96' RT	114.07	MATCH



GENERAL NOTES

- FOR REMOVAL LIMITS, CONSTRUCTION LIMITS AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, SEE SHEET 7.
- FOR GRADING PLAN, SEE SHEET 9.
- THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR TO ENSURE THAT ALL COMPACTOR, ELECTRICAL, AND SYSTEMS EQUIPMENT IS INSTALLED INSIDE THE COMPACTOR ENCLOSURE THAT WILL ALLOW ACCESS TO ALL EQUIPMENT AND MEETS CODE REQUIREMENTS FOR CLEARANCES. CONTRACTOR SHALL INFORM THE PROJECT REPRESENTATIVE OF THE INTENDED LAYOUT PRIOR TO INSTALLATION.

CONSTRUCTION NOTES

- CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COT STD PLAN SU-03.
- ADJUST UTILITY LID TO GRADE PER COT STD PLAN SU-25. CONTRACTOR TO COORDINATE 14 DAYS IN ADVANCE PRIOR TO COMMENCING WORK TO RAISE THE VAULT LID WITH TACOMA POWER TO CONFIRM CREW AVAILABILITY FOR INSPECTION. TACOMA POWER IS REQUIRED TO BE PRESENT DURING LID RAISING OPERATIONS. CITY OF TACOMA WILL PROVIDE CONTACT INFORMATION TO THE GENERAL CONTRACTOR.
- CONSTRUCT CEMENT CONC. SIDEWALK PER COT STD PLAN SU-04.
- CONSTRUCT CURB CUT FOR ACCESS. SEE SHEET 9 FOR GRADING.
- CONSTRUCT MODIFIED CEMENT CONC. DRIVEWAY ACCESS PER COT STD DETAIL SU-08. SEE SHEET 9 FOR GRADING.
- TACOMA WATER TO INSTALL NEW 5/8" WATER SERVICE AT APPROXIMATE LOCATION SHOWN. CONTRACTOR TO INSTALL WATER SERVICE CONNECTION FROM METER BOX TO WATER SPIGOT. CONTRACTOR TO INSTALL BACKFLOW PREVENTION DEVICE DOWNSTREAM OF METER.
- CONSTRUCT SITE A CONCRETE SLAB FOUNDATION PER STRUCTURAL PLANS, SHEETS 19-20.
- CONSTRUCT ENCLOSURE PER DETAILS, SHEET 11-15.
- CONNECT NEW SIDE SEWER SERVICE FROM COMPACTOR ENCLOSURE TO MAIN AT THE LOCATION AS SHOWN, PER COT STD PLAN SU-23. EXISTING SEWER MAIN WAS CURED IN PLACE AND CONTRACTOR SHALL CONTACT CONSTRUCTION DIVISION AT (253) 591-5760 FOR FURTHER INSTRUCTIONS.
- INSTALL CATCH BASIN TYPE 1 WITH ADA GRATE PER WSDOT STD PLAN B-30.15-00.
- RELOCATE EXISTING SIGN PER COT STD SU-34.
- CONSTRUCT PERPENDICULAR CURB RAMP TYPE A PER COT STD PLAN SU-05A. SEE GRADING PLANS.
- SELF-CONTAINED COMPACTOR RJ-88 SC (15 CY) MODEL, TO BE INSTALLED BY OTHERS.
- CONSTRUCT TYPE C MOUNTABLE CEMENT CONCRETE CURB & GUTTER PER COT STD PLAN SU-03.
- CONSTRUCT MODIFIED COMBINATION CURB RAMP PER COT STD PLAN SU-05C. SEE SHEET 9 FOR GRADING.
- INSTALL 4" YELLOW PAVEMENT MARKING.
- INSTALL DRAIN PER TRENCH DRAIN DETAIL, SHEET 8. SEE GRADING PLANS AND STRUCTURAL DRAWINGS FOR TRENCH DETAILS.
- INSTALL NEW WATER HOSE BIB FROM WATER METER PER DETAIL A, SHEET 8.
- CONSTRUCT CEMENT CONC. VALLEY GUTTER PER DETAIL B, SHEET 8.
- REPLACE AND REPAIR IRRIGATION EQUIPMENT AS NEEDED ALONG THE EDGE OF DISTURBANCE, THIS AREA, TO PROVIDE FULLY FUNCTIONAL SPRAY SYSTEM.
- MATCH EXISTING CURB, GUTTER, AND SIDEWALK.
- PLANTER EDGE RESTORATION: INSTALL 2" ARBORIST WOOD CHIP MULCH OVER DISTURBED AREA, TYP.

LEGEND

- NEW ASPHALT PAVEMENT SECTION (6" HMA/2" CSTC/9" CSBC)
- CEMENT CONC. SIDEWALK (4" CONC/2" CSTC), DRIVEWAY ENTRANCE (8" CONC/2" CSTC), OR SLAB PER STRUCTURAL DETAILS
- 6" SIDE SEWER PIPE
- CATCH BASIN

C-201

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BID



NO	REVISION	DATE	APPD
1	ADDENDUM 4	2/13/23	OBP

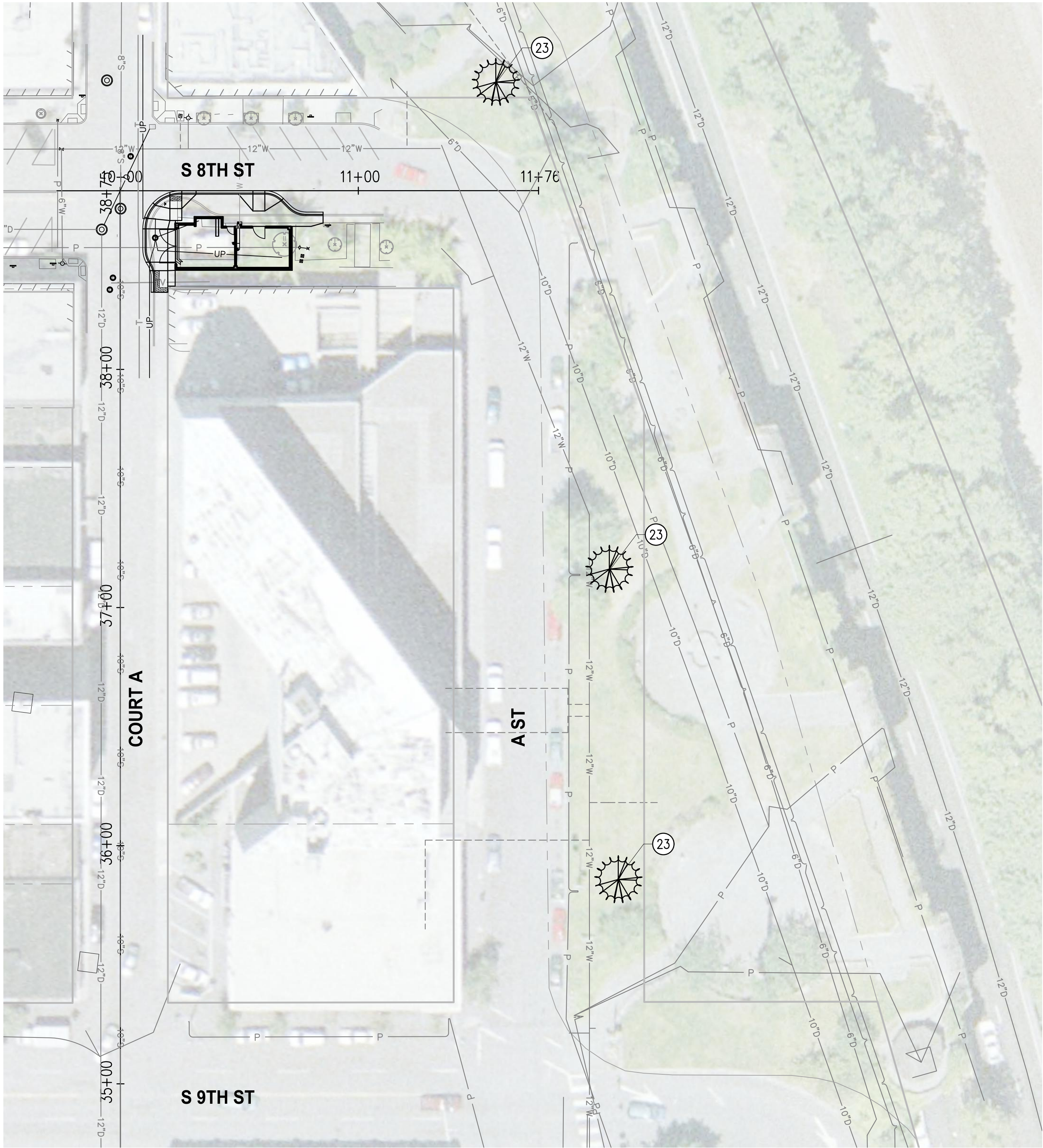
FINAL CONSTRUCTION CHECKED	DATE 11/2022	SCALE 1"=5'
DESIGNED JRW	CHECKED OBP	
DRAWN CS	PROJECT NAME 146.04	
DRAWING NAME 19143PLN.dwg		



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT  
SITE A - LAYOUT & RESTORATION PLAN

SPEC NO.	ES22-0204F
WBS NO.	ENV-00116-04-06
SHEET NO.	8 OF 28





**PLAN**  
SITE A & FIREMAN'S PARK

0 15 30 60 90  
SCALE IN FEET

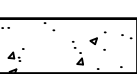
### GENERAL NOTES

1. FOR REMOVAL LIMITS, CONSTRUCTION LIMITS AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, SEE SHEET 7.
2. FOR GRADING PLAN, SEE SHEET 9.
3. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR TO ENSURE THAT ALL COMPACTOR, ELECTRICAL, AND SYSTEMS EQUIPMENT IS INSTALLED INSIDE THE COMPACTOR ENCLOSURE THAT WILL ALLOW ACCESS TO ALL EQUIPMENT AND MEETS CODE REQUIREMENTS FOR CLEARANCES. CONTRACTOR SHALL INFORM THE PROJECT REPRESENTATIVE OF THE INTENDED LAYOUT PRIOR TO INSTALLATION.






### CONSTRUCTION NOTES

- (23) INSTALL NEW TREES (THREE TOTAL, TO BE SUPPLIED BY CITY), NEAR SITE A, PER COT STD PLAN LS-01 AND LS-02. LOCATIONS TO BE VERIFIED IN THE FIELD BY THE ENGINEER.

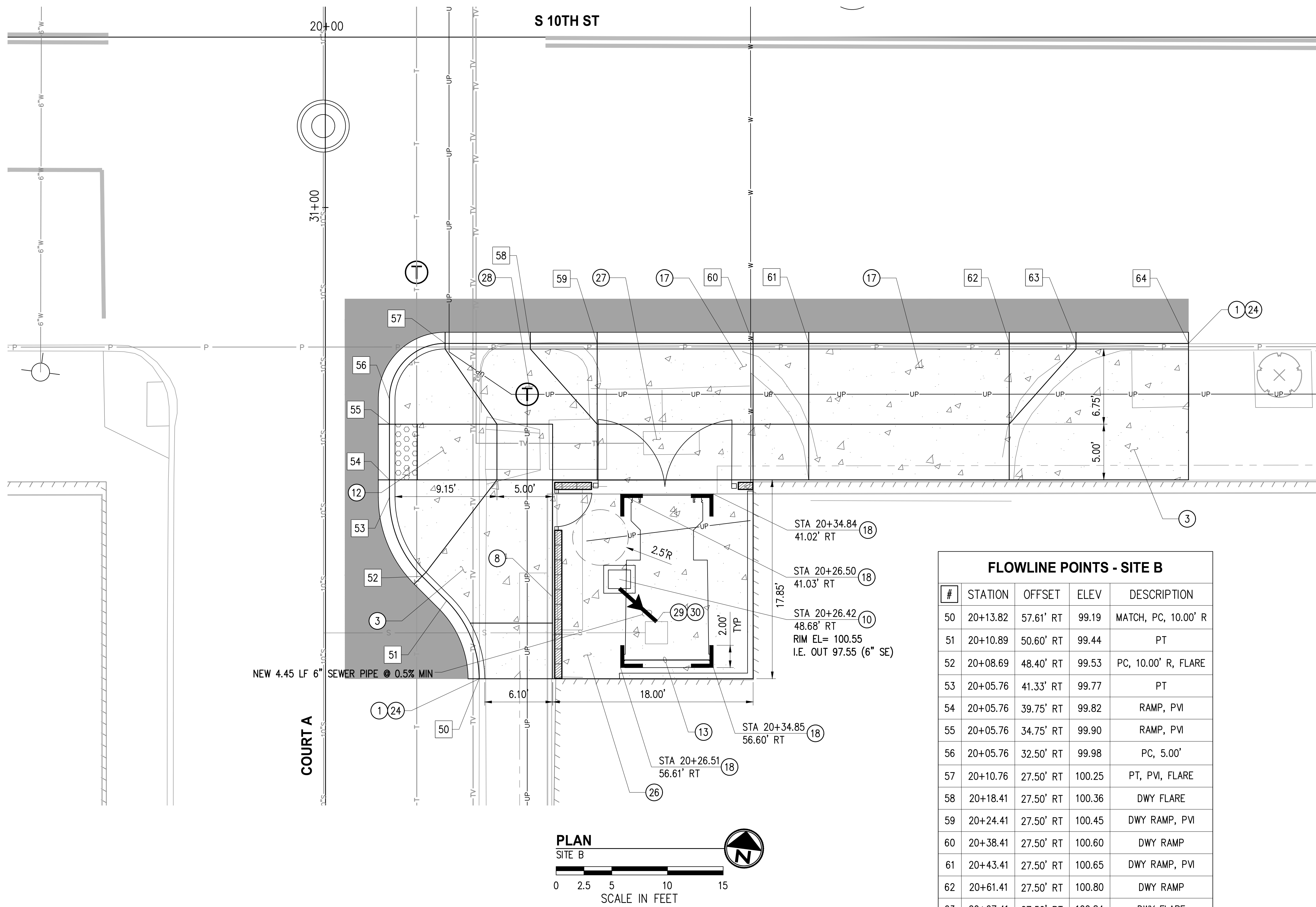
### LEGEND

-  CEMENT CONC. SIDEWALK (4" CONC/2" CSTC), DRIVEWAY ENTRANCE (8" CONC/2" CSTC), OR SLAB PER STRUCTURAL DETAILS

C-203

<div>CALL 2 DAYS BEFORE YOU DIG 1-800-424-5555</div>		<div> CITY OF TACOMA Horizontal Datum N.A.D. '83/91 Vertical Datum N.G.V.D. '29</div>	ISSUED FOR BID		<div> Tacoma 2502 Jefferson Avenue Tacoma, WA 98402 253.627.0720 Seattle   Wenatchee   <a href="http://KPG.com">KPG.com</a></div>	<div> Tacoma</div>	<div> ADDENDUM 4</div>	NO		REVISION		DATE	APPD	FINAL CONSTRUCTION CHECKED		DATE	11/2022	SCALE	1"=30'	<div></div>	CITY OF TACOMA ENVIRONMENTAL SERVICES DEPARTMENT		SPEC. NO.	ES22-0204F	
																		SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT			WBS NO.	ENV-00116-04-06			
														FIELD BOOKS		DRAWING NAME		19143PLN.dwg				SHEET NO.			
																				SITE A & FIREMAN'S PARK - LAYOUT & RESTORATION PLAN		SHEET	10	OF	28





- ### GENERAL NOTES
- FOR REMOVAL LIMITS, CONSTRUCTION LIMITS AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, SEE SHEET 7.
  - FOR GRADING PLAN, SEE SHEET 9.
  - THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL SUBCONTRACTOR TO ENSURE THAT ALL COMPACTOR, ELECTRICAL, AND SYSTEMS EQUIPMENT IS INSTALLED INSIDE THE COMPACTOR ENCLOSURE THAT WILL ALLOW ACCESS TO ALL EQUIPMENT AND MEETS CODE REQUIREMENTS FOR CLEARANCES. CONTRACTOR SHALL INFORM THE PROJECT REPRESENTATIVE OF THE INTENDED LAYOUT PRIOR TO INSTALLATION.

- ### CONSTRUCTION NOTES
- CONSTRUCT CEMENT CONC. CURB AND GUTTER PER COT STD PLAN SU-03.
  - CONSTRUCT CEMENT CONC. SIDEWALK PER COT STD PLAN SU-04.
  - CONSTRUCT ENCLOSURE PER DETAILS, SHEET 11-15.
  - INSTALL CATCH BASIN TYPE 1 WITH ADA GRATE PER WSDOT STD PLAN B-30.15-00.
  - CONSTRUCT PERPENDICULAR CURB RAMP TYPE A PER COT STD PLAN SU-05A. SEE GRADING PLANS.
  - SELF-CONTAINED COMPACTOR RJ-88 SC (15 CY) MODEL, TO BE INSTALLED BY OTHERS.
  - CONSTRUCT MODIFIED CEMENT CONC. DRIVEWAY ACCESS TYPE 1 PER COT STD DETAIL SU-07A. SEE SHEET 10B FOR GRADING.
  - INSTALL 4" YELLOW PAVEMENT MARKING.
  - MATCH EXISTING CURB, GUTTER, AND SIDEWALK.
  - CONSTRUCT SITE B CONCRETE SLAB FOUNDATION PER STRUCTURAL PLANS, SHEET 21.
  - ADJUST UTILITY LID TO GRADE BY OTHERS. CONTRACTOR TO COORDINATE WITH TACOMA POWER 90 DAYS IN ADVANCE PRIOR TO COMMENCING WORK TO LOWER THE VAULT LID AND CONFIRM CREW AVAILABILITY. TACOMA POWER IS REQUIRED TO BE PRESENT DURING LID LOWERING OPERATIONS. CITY OF TACOMA WILL PROVIDE CONTACT INFORMATION TO THE GENERAL CONTRACTOR.
  - PRESERVE AND PROTECT UTILITY.
  - CONNECT NEW PIPE TO EXISTING STRUCTURE.
  - ADJUST CATCH BASIN TO GRADE PER COT STD PLAN SU-25.

- ### LEGEND
- NEW ASPHALT PAVEMENT SECTION (6" HMA/2" CSTC/9" CSBC)
  - CEMENT CONC. SIDEWALK (4" CONC/2" CSTC), DRIVEWAY ENTRANCE (8" CONC/2" CSTC), OR SLAB PER STRUCTURAL DETAILS
  - 6" SIDE SEWER PIPE
  - CATCH BASIN

FLOWLINE POINTS - SITE B				
#	STATION	OFFSET	ELEV	DESCRIPTION
50	20+13.82	57.61' RT	99.19	MATCH, PC, 10.00' R
51	20+10.89	50.60' RT	99.44	PT
52	20+08.69	48.40' RT	99.53	PC, 10.00' R, FLARE
53	20+05.76	41.33' RT	99.77	PT
54	20+05.76	39.75' RT	99.82	RAMP, PVI
55	20+05.76	34.75' RT	99.90	RAMP, PVI
56	20+05.76	32.50' RT	99.98	PC, 5.00'
57	20+10.76	27.50' RT	100.25	PT, PVI, FLARE
58	20+18.41	27.50' RT	100.36	DWY FLARE
59	20+24.41	27.50' RT	100.45	DWY RAMP, PVI
60	20+38.41	27.50' RT	100.60	DWY RAMP
61	20+43.41	27.50' RT	100.65	DWY RAMP, PVI
62	20+61.41	27.50' RT	100.80	DWY RAMP
63	20+67.41	27.50' RT	100.84	DWY FLARE
64	20+77.51	27.50' RT	100.92	MATCH

20+00

S 10TH ST

21+00


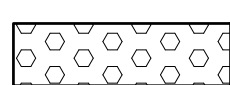
GENERAL NOTES

1. ALL LOCATION AND ELEVATION CALLOUTS ARE TO BE FINISHED SIDEWALK/RAMP GRADE, UNLESS OTHERWISE NOTED.

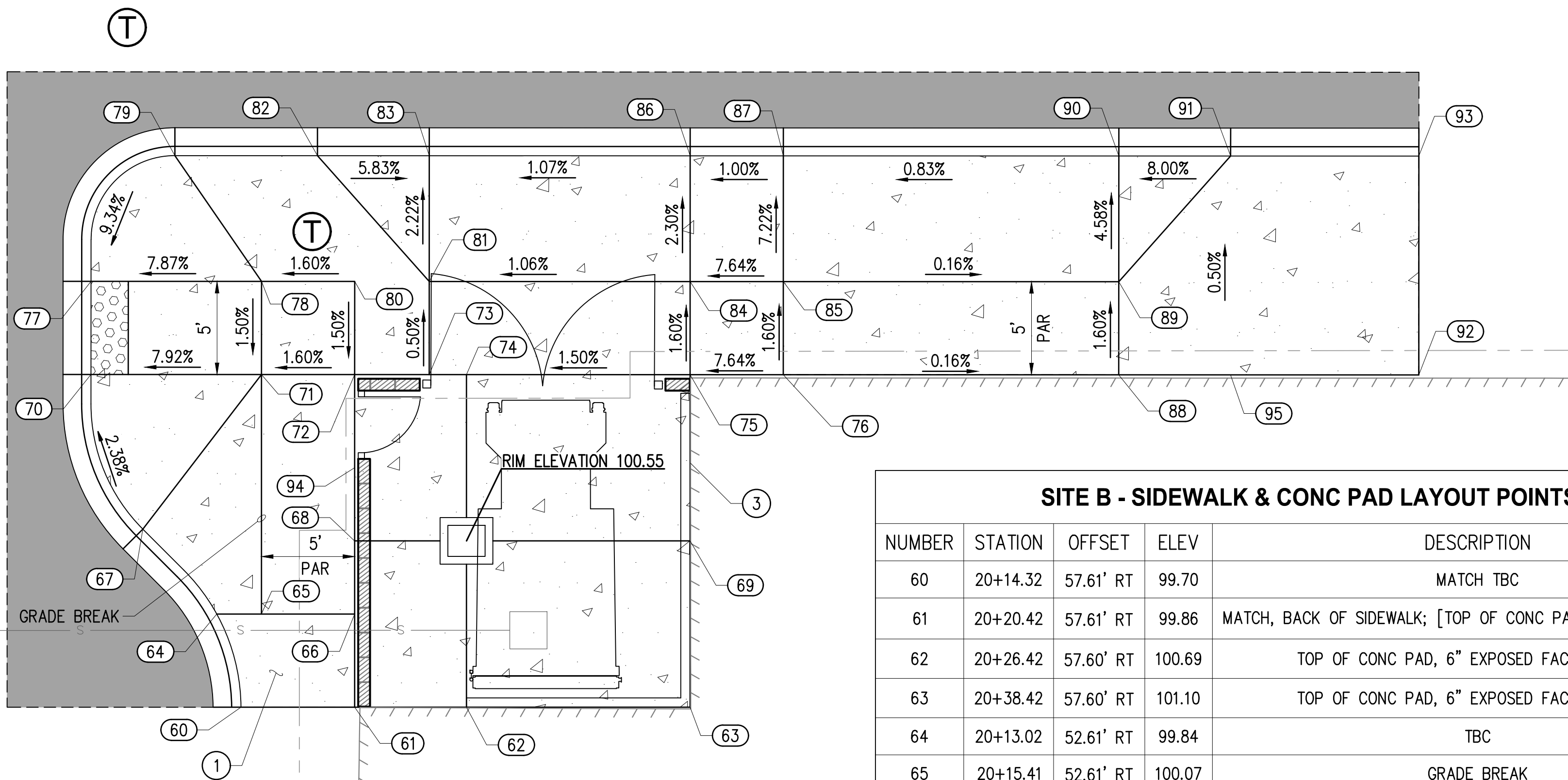
CONSTRUCTION NOTES

- ① CONSTRUCT CEMENT CONC. SIDEWALK TRANSITION PANEL TO MATCH CROSS SLOPES ON ADJACENT EXISTING SIDEWALK. MAY NOT BE ADA COMPLIANT.
- ③ CONSTRUCT CEMENT CONC. PEDESTRIAN CURB PER WSDOT STD PLAN F-10.12.

LEGEND

-  CEMENT CONC. SIDEWALK, DRIVEWAY ENTRANCE, OR SLAB
-  DETECTABLE WARNING SURFACE PER COT STD PLAN SU-05G

COURT A



PLAN

SITE B



SITE B - SIDEWALK & CONC PAD LAYOUT POINTS

NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
60	20+14.32	57.61' RT	99.70	MATCH TBC
61	20+20.42	57.61' RT	99.86	MATCH, BACK OF SIDEWALK; [TOP OF CONC PAD ELEVATION= 101.10]
62	20+26.42	57.60' RT	100.69	TOP OF CONC PAD, 6" EXPOSED FACE PED CURB
63	20+38.42	57.60' RT	101.10	TOP OF CONC PAD, 6" EXPOSED FACE PED CURB
64	20+13.02	52.61' RT	99.84	TBC
65	20+15.41	52.61' RT	100.07	GRADE BREAK
66	20+20.42	52.61' RT	100.15	BACK OF SIDEWALK
67	20+09.05	48.05' RT	100.02	TBC FLARE
68	20+20.42	48.68' RT	100.37	BACK OF SIDEWALK; [TOP OF CONC PAD ELEVATION= 100.58]
69	20+38.42	48.67' RT	100.85	TOP OF CONC PAD, 6" EXPOSED FACE PED CURB
70	20+06.26	39.75' RT	99.82	TBC RAMP
71	20+15.41	39.75' RT	100.55	LANDING/RAMP
72	20+20.41	39.75' RT	100.63	LANDING, TOP OF CONC PAD
73	20+24.41	39.75' RT	100.69	BACK OF SIDEWALK, TOP OF CONC PAD
74	20+26.41	39.75' RT	100.72	BACK OF SIDEWALK, TOP OF CONC PAD
75	20+38.41	39.75' RT	100.90	BACK OF SIDEWALK, TOP OF CONC PAD
76	20+43.41	39.75' RT	101.28	BACK OF SIDEWALK
77	20+06.26	34.75' RT	99.90	TBC RAMP
78	20+15.41	34.75' RT	100.62	LANDING/RAMP
79	20+10.76	28.00' RT	100.75	TBC FLARE

SITE B - SIDEWALK & CONC PAD LAYOUT POINTS

NUMBER	STATION	OFFSET	ELEV	DESCRIPTION
80	20+20.41	34.75' RT	100.70	LANDING
81	20+24.41	34.75' RT	100.66	DWY RAMP
82	20+18.41	28.00' RT	100.86	TBC DWY FLARE
83	20+24.41	28.00' RT	100.51	TBC DWY RAMP
84	20+38.41	34.75' RT	100.82	DWY RAMP
85	20+43.41	34.75' RT	101.20	DWY RAMP
86	20+38.41	28.00' RT	100.66	TBC DWY RAMP
87	20+43.41	28.00' RT	100.71	TBC DWY RAMP
88	20+61.41	39.75' RT	101.25	BACK OF SIDEWALK
89	20+61.41	34.75' RT	101.17	DWY RAMP
90	20+61.41	28.00' RT	100.86	TBC DWY RAMP
91	20+67.41	28.00' RT	101.34	TBC DWY FLARE
92	20+77.51	39.75' RT	101.40	BACK OF SIDEWALK, MATCH
93	20+77.51	28.00' RT	101.40	MATCH TBC
94	20+20.41	44.75' RT	100.60	BACK OF SIDEWALK
95	20+67.41	39.75' RT	101.40	BACK OF SIDEWALK

C-302

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BEFORE YOU DIG  
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BID



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2502 Jefferson Avenue  
Tacoma, WA 98402 253.627.0720  
Seattle | Wenatchee | KPG.com



1

APPENDUM 4

NO

REVISION

2/2/23

OBP

FINAL  
CONSTRUCTION  
CHECKED

BY

DATE

FIELD BOOKS

DATE

02/2023

DESIGNED

JRW

DRAWN

JRW

DRAWING NAME

19143RAMP.dwg

SCALE

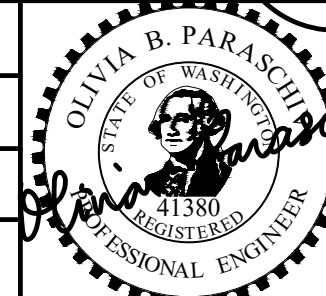
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CHECKED

OBP

PROJECT NAME

146.04



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT  
SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT

SITE B - GRADING PLAN

SPEC. NO.

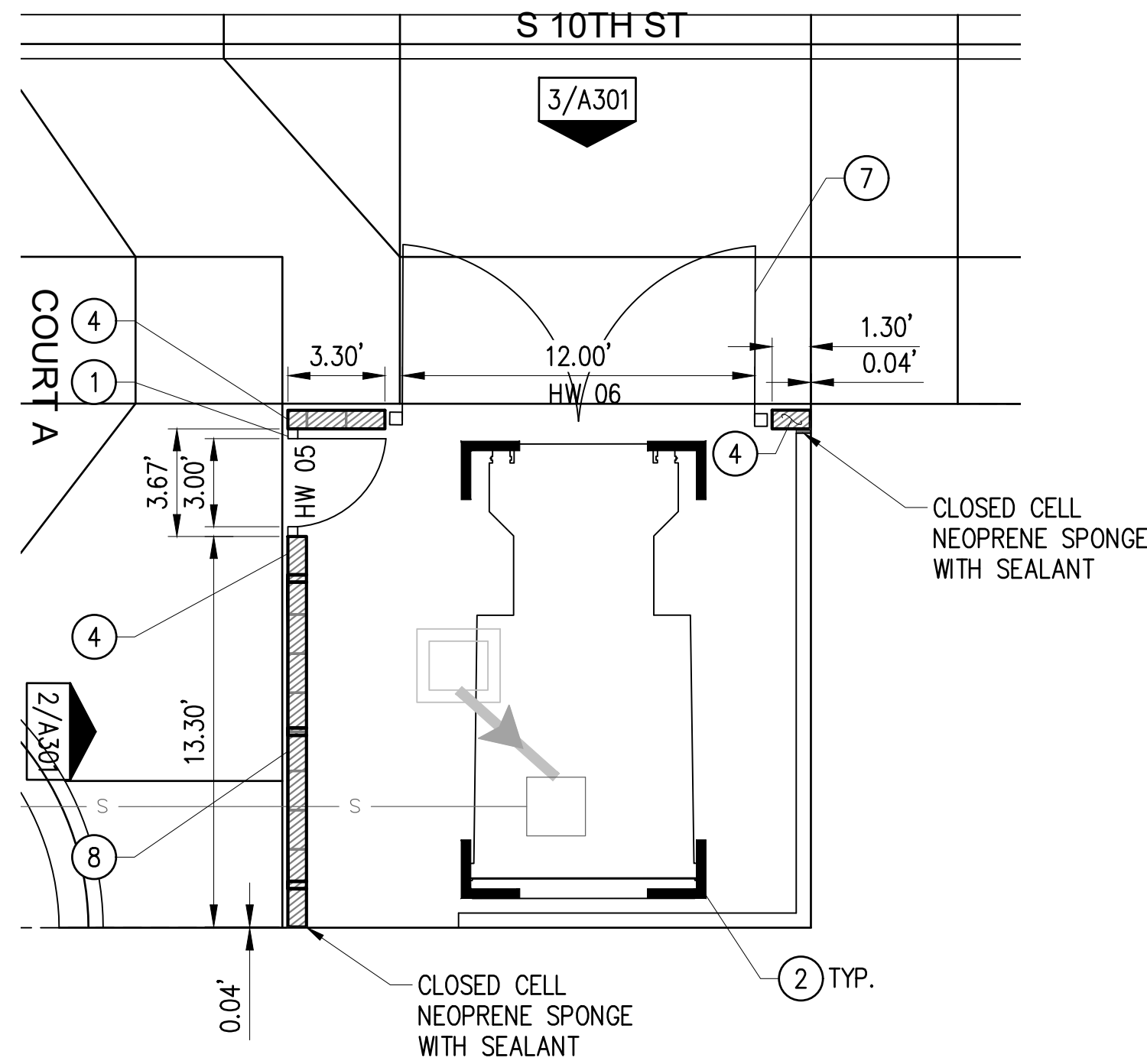
ES22-0204F

WBS NO.

ENV-00116-04-06

SHEET NO.

SHEET 10B OF 28



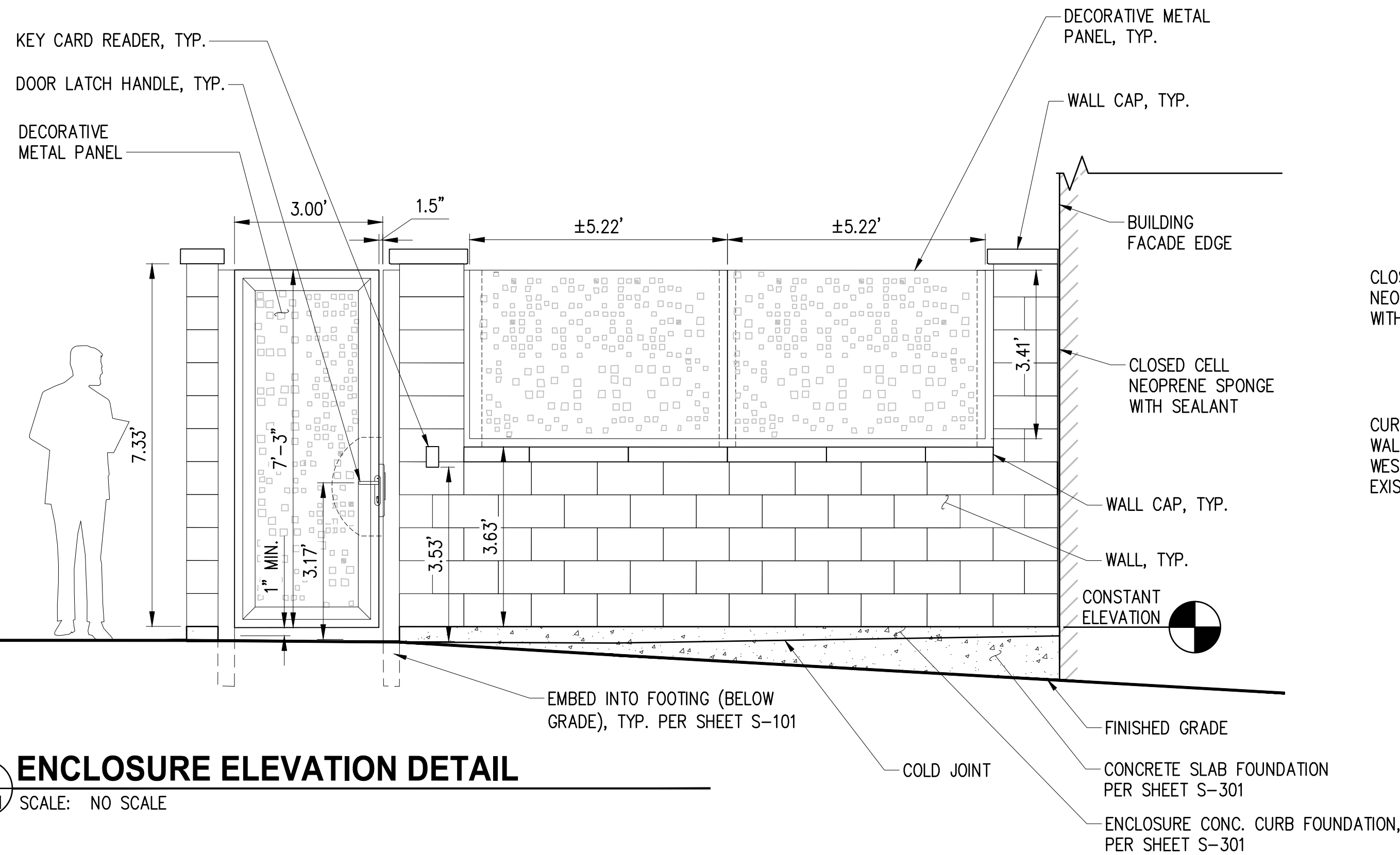
**1 ENCLOSURE LAYOUT PLAN**  
A301 SCALE: NO SCALE

### GENERAL NOTES

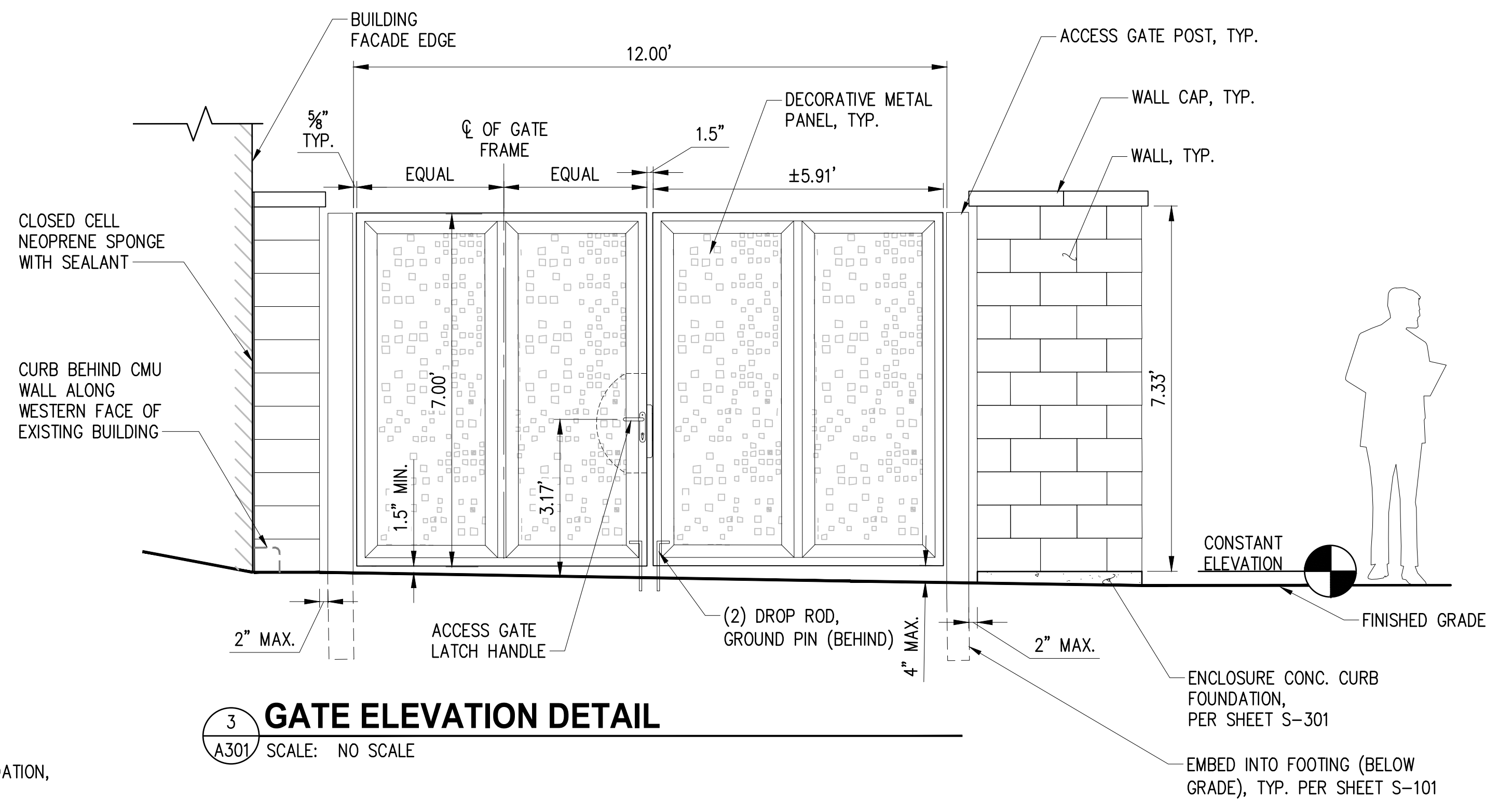
- ALL DIMENSIONS OF DECORATIVE METAL PANEL ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND PROVIDE SHOP DRAWINGS INCLUDING LAYOUT, DIMENSIONS, MATERIAL DESCRIPTIONS, AND ACCOMMODATIONS FOR DECORATIVE METAL PANEL ATTACHMENT FOR PROJECT REPRESENTATIVE'S APPROVAL PRIOR TO FABRICATION.
- PROJECT REPRESENTATIVE TO PROVIDE ELECTRONIC CAD LINEWORK OR VECTORIZED LINEWORK FILE FOR CUTOUT PATTERN FOR DECORATIVE METAL PANEL UPON CONTRACTOR'S REQUEST PRIOR TO FABRICATION.
- PILASTER CAP, WALL CAP, PILASTER, CMU WALL UNITS, DECORATIVE METAL PANEL, ACCESS DOOR AND ACCESS GATE SHALL BE LEVEL AND PLUMB.

### CONSTRUCTION NOTES

- ACCESS DOOR. SEE DETAIL, THIS SHEET & SHEET 15.
- COMPACTOR PAVEMENT MARKING. SEE CIVIL PLAN SHEET 10.
- WALL. SEE DETAIL, THIS SHEET & SHEET 14.
- ACCESS GATE. SEE DETAIL, THIS SHEET & SHEET 15.
- DECORATIVE METAL PANEL. SEE DETAIL, THIS SHEET & SHEET 14



**2 ENCLOSURE ELEVATION DETAIL**  
A301 SCALE: NO SCALE



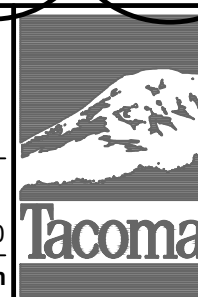
**3 GATE ELEVATION DETAIL**  
A301 SCALE: NO SCALE

A-301

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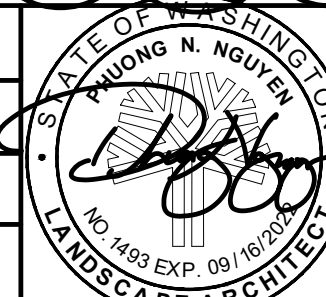
ISSUED FOR  
BID



NO	REVISION	DATE	APPD
1		2/13/23	PN

CONSTRUCTION CHECKED	DATE	SCALE
BY	11/2022	VARIES
DATE	DESIGNED JS	CHECKED PN
FIELD BOOKS	DRAWN JS	PROJECT NAME 146.04
	DRAWING NAME 19143DET.dwg	

DATE	11/2022	SCALE	VARIES
DESIGNED	JS	CHECKED	PN
DRAWN	JS	PROJECT NAME	146.04
DRAWING NAME	19143DET.dwg		



CITY OF TACOMA	
ENVIRONMENTAL SERVICES DEPARTMENT	
SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT	
SITE B - ENCLOSURE DETAILS	

SPEC. NO.	ES22-0204F
WBS NO.	ENV-00116-04-06
SHEET NO.	
SHEET	13 OF 28



GENERAL STRUCTURAL NOTES

DESIGN CRITERIA

APPLICABLE BUILDING NOTES AND CODES  
INTERNATIONAL BUILDING CODE, IBC 2018 EDITION, EXCEPT WHERE OTHER CODES ARE MORE RESTRICTIVE.

WIND LOADS (PER WIND ZONE TACOMA)

BASIC WIND SPEED .....155mph (STRENGTH)  
EXPOSURE .....C  
IMPORTANCE FACTOR, Iw .....1.0  
Kzt.....2.0

SEISMIC LOADS (PER SEAOC/OSHPD SEISMIC DESIGN MAPS)

MAPPED AND DESIGN SPECTRAL ACCELERATIONS:  
SHORT PERIODS, Ss = .....1.354  
1 SECOND PERIOD, S1 = .....0.468  
SHORT PERIOD, Sps .....1.084  
1 SECOND PERIOD, Sp1 .....N/A  
IMPORTANCE FACTOR, Ip = .....1.0  
SITE CLASS = .....D  
OCCUPANCY RISK CATEGORY .....II  
SEISMIC DESIGN CATEGORY .....D  
RESPONSE MODIFICATION COEFFICIENT, Rp = 2.5, ap = 1.0

FOUNDATION

DESIGN SOIL BEARING PRESSURES  
SPREAD FOOTING AND MAT ON FIRM UNDISTURBED EARTH .....1,500psf (ASSUMED)  
ALL SLABS ON GRADE AND FOOTINGS SHALL BEAR ON COMPACTED GRANULAR FILL AS SPECIFIED, MINIMUM THICKNESS 6 INCHES.  
DEPTH OF FOOTING BELOW FINISHED GRADE - 18 INCHES MINIMUM.

CONCRETE

ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES ACI 315, LATEST EDITION.  
CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 BUILDING CODE, LATEST EDITION.

DESIGN STRENGTH

CAST-IN-PLACE CONCRETE, UNLESS OTHERWISE NOTED  
fc = 4000 psi AT 28 DAYS

REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60.

BAR SPLICES

LAP REINFORCING STEEL BAR AS SHOWN ON PLANS. ALL LAP SPLICES NOT DIMENSIONED ON THE PLANS SHALL BE CLASS "B" TENSION SPLICES. THE LENGTH OF LAP SPLICE OF BARS OF DIFFERENT DIAMETER SHALL BE BASED ON THE LARGER OF THE TENSION DEVELOPMENT LENGTH OF THE LARGER BAR OR TENSION SPLICE LENGTH OF THE SMALLER DIAMETER.  
IN CASES WHERE REINFORCING BARS CANNOT BE EXTENDED AS FAR AS REQUIRED DUE TO THE LIMITED EXTENT OF THE ADJACENT CONCRETE STRUCTURE, THE BARS SHALL EXTEND AS FAR AS POSSIBLE AND END IN STANDARD HOOKS.

ANCHOR BOLTS

ANCHOR BOLTS SHALL CONFORM TO ASTM A307 GRADE A, A325 TYPE 1 AND F1554 GRADE 36 AS NOTED IN THE PLANS. SET ALL BOLTS BY TEMPLATE.

DRILLED-IN CONCRETE ANCHOR (DICA)

DRILLED-IN EXPANSION BOLTS SHALL BE STAINLESS STEEL "KWIK BOLTZ TYPE TZ" BY HILTI CORP., OR APPROVED EQUAL. ICBO CERTIFICATION AND SPECIAL INSPECTION IS REQUIRED.

ADHESIVE ANCHORING SYSTEM RODS SHALL BE ASTM A36, STAINLESS STEEL RODS SHALL BE AISI 304. REINFORCING BARS AND RODS ANCHORED INTO EXISTING CONCRETE SHALL BE IN DRILLED HOLE WITH HILTI "HIT-RE 500 V3", OR SIKa "SIKADUR" EPOXY INJECTION GEL OR APPROVED EQUAL. ICBO CERTIFICATION AND SPECIAL INSPECTION IS REQUIRED.

REINFORCED CONCRETE MASONRY

CONCRETE MASONRY UNITS (CMU)  
MASONRY UNITS SHALL BE FULLY GROUTED HOLLOW LOAD-BEARING, GRADE N-1 CONFORMING TO ASTM SPECIFICATION C90 WITH fm = 1500 psi. (1,900 psi ULTIMATE)  
SPECIAL INSPECTION .....LEVEL 2

MORTAR AND GROUT

MORTAR AND GROUT SHALL CONFORM TO THE REQUIREMENTS OF ASTM C270, TYPE S.  
MORTAR SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 1800psi AT 28 DAYS.  
GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2500psi AT 28 DAYS.  
MAXIMUM AGGREGATE SIZE SHALL BE 3/8" PEA GRAVEL, WITH SLUMP BETWEEN 6" TO 9".  
FILL ALL BOND BEAMS AND ALL CELLS WITH GROUT.

REINFORCING STEEL PER ASTM A615, GRADE 60. LAP BARS 48 BAR DIAMETERS AT SPLICES. PROVIDE BOND BEAM REINFORCED WITH TWO #5 BARS AT TOP OF WALL. PROVIDE TWO #5 VERTICAL BARS AT EACH JAMB, CORNER, INTERSECTION AND DISCONTINUOUS END. PROVIDE CORNER BARS OF SAME SIZE AND NUMBER AS REQUIRED FOR BOND BEAMS AT CORNERS AND INTERSECTIONS.

STEEL

MATERIAL

ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS UNLESS NOTED OTHERWISE ON THE DRAWINGS:

TEES, CHANNELS, ANGLES, PLATES AND BARS A36, UNLESS OTHERWISE NOTED

PIPES

ASTM A53, GRADE B, FY = 35 KSI

WELDING

ALL WELDING SHALL CONFORM TO AWS D1.1 WELDING CODE. MINIMUM SIZE WELDS 3/16" CONTINUOUS FILLET. WELDING ELECTRODES SHALL BE 70XX SERIES CONFORMING TO ANSI/AWS D1.1 TABLE 3.1 AND ELECTRODE SPECIFICATION AWS A5. WELDING SHALL BE CONDUCTED BY WABO CERTIFIED WELDER.

COATING

STRUCTURAL STEEL SHALL BE GALVANIZED OR COATED IN CONFORMANCE WITH SPECIFICATIONS.

ALUMINUM

MATERIAL

ALUMINUM CONSTRUCTION SHALL BE IN ACCORDANCE WITH ASCE SPECIFICATIONS FOR STRUCTURES OF ALUMINUM. MATERIAL TO BE ALLOY 6061-T6, UNLESS NOTED OTHERWISE.  
ALL CONNECTIONS BOLTS FOR ALUMINUM SHALL BE STAINLESS STEEL.  
WHERE ALUMINUM IS IN CONTACT WITH STEEL, CONCRETE OR MASONRY SURFACES, CONTACT SURFACES SHALL BE COATED WITH HEAVY ALKALI- RESISTANT BITUMINOUS PAINT, OR COAL TAR EPOXY PROTECTING COAT.

WELDING

MATERIALS AND PROCEDURES FOR WELDING ALUMINUM SHALL BE IN ACCORDANCE WITH AWS D1.2 CODE.

STAINLESS STEEL

MATERIAL

STAINLESS STEEL CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI SPECIFICATIONS. STRUCTURES OF STAINLESS STEEL SHALL CONFORM TO AISI TYPE 304 OR ASTM A240. STAINLESS STEEL BOLTS AND NUTS SHALL CONFORM TO ASTM A193 AND A194.

WELDING

MATERIALS AND PROCEDURES FOR WELDING STAINLESS STEEL SHALL BE IN ACCORDANCE WITH AWS D1.6 CODE.

MISCELLANEOUS

REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF RECESSES, DUCT OPENINGS, PIPING, CONDUITS, EQUIPMENT LOCATION AND ANCHORAGES, ETC., NOT SHOWN.

COORDINATE AND VERIFY ALL DIMENSIONS WITH ARCHITECTURAL OR ELECTRICAL DRAWINGS AND VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.


STRUCTURAL SYSTEM HAS BEEN DESIGNED FOR OPERATIONAL LOADS ON THE COMPLETED STRUCTURE. PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE AND ADJACENT STRUCTURES, DURING ALL PHASES OF CONSTRUCTION.

REFER TO SPECIFICATIONS FOR INFORMATION NOT CONTAINED IN THESE GENERAL NOTES.

S-002

DATE: 2/21/2023 12:18 AM PATH: P:\146 SERIES - CITY OF TACOMA\146.04 SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT\DRAWINGS\STRUCTURAL FILE: S-002\_R1 LAYOUT: S-002

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CITY OF TACOMA  
Horizontal Datum  
N.A.D. 83  
Vertical Datum  
N.G.V.D. '29

ISSUED FOR  
BID

6

BRIGHT ENGINEERING, INC.  
STRUCTURAL & CIVIL ENGINEERING  
1809 7TH AVENUE  
SUITE 1100  
SEATTLE, WA 98101  
P: (206) 625-3777  
F: (206) 625-1851



NO

ADDENDUM 4

02/21/23

AB

FINAL CONSTRUCTION CHECKED

BY

DATE

FIELD BOOKS

DATE  
12/02/2022

DESIGNED  
A. BRIGHT


DRAWN  
S. LOR

DRAWING NAME  
S-002\_R1.dwg

SCALE  
NONE

CHECKED  
I. IKEDA

PROJECT NAME  
146.04



CITY OF TACOMA  
ENVIRONMENTAL SERVICES DEPARTMENT

SWM DOWNTOWN COMPACTOR ENCLOSURE UPGRADE PROJECT

GENERAL STRUCTURAL NOTES

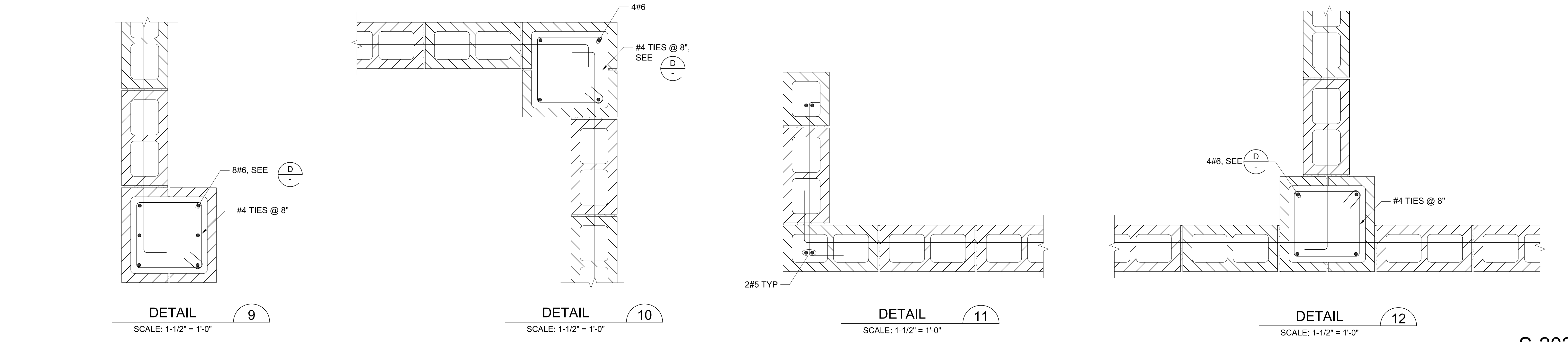
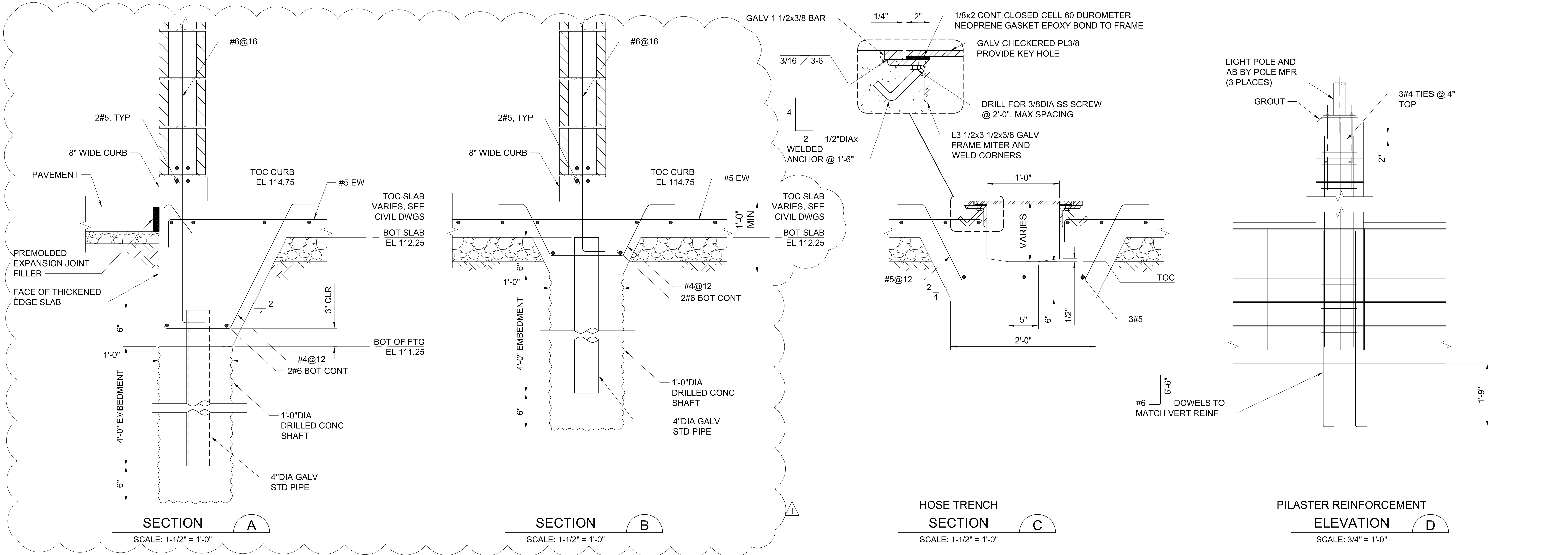
SPEC. NO.  
ES19-0435F

WBS NO.

SHEET NO.  
ENV-00116-04-06

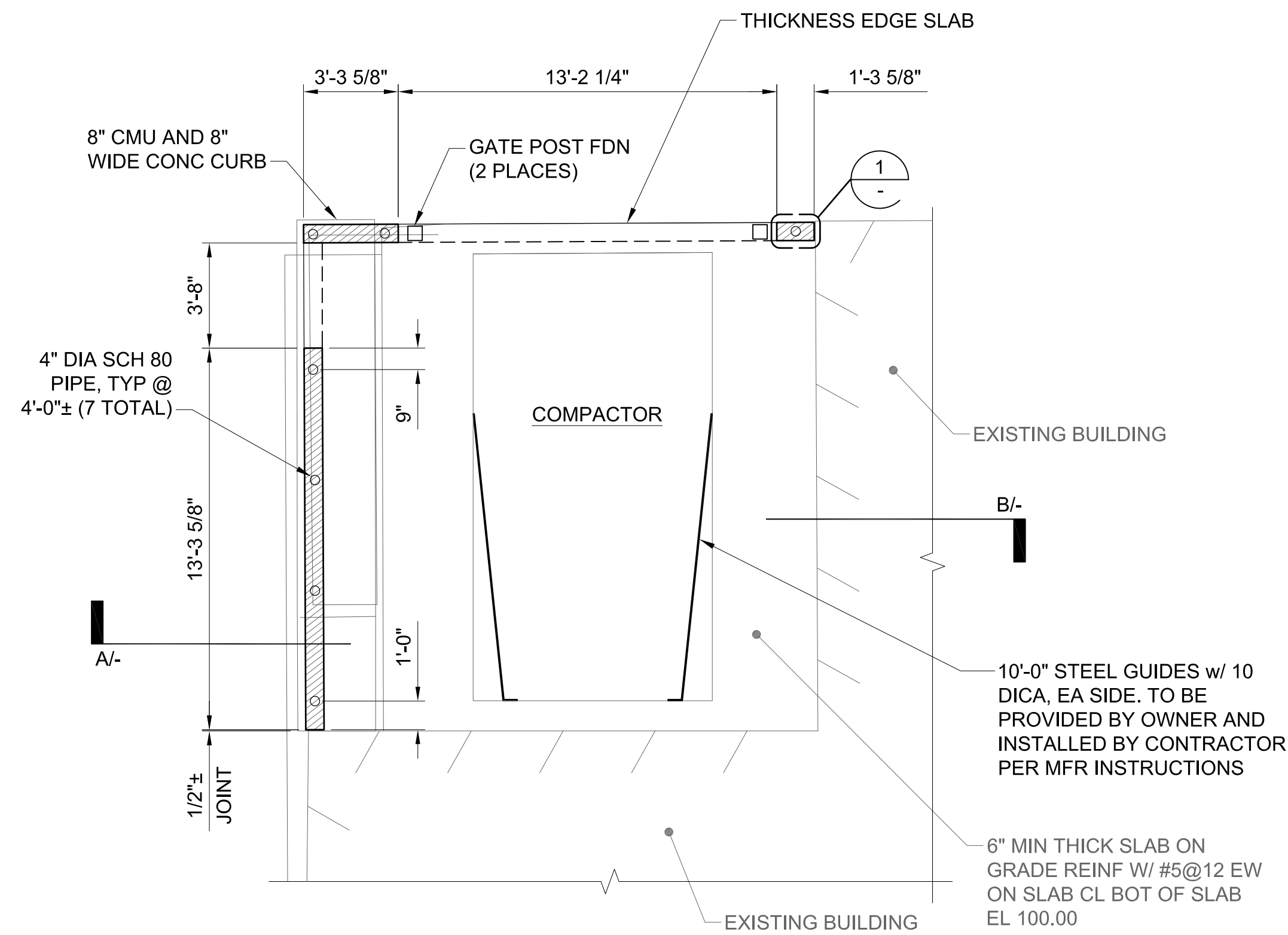
SHEET 17 OF 28



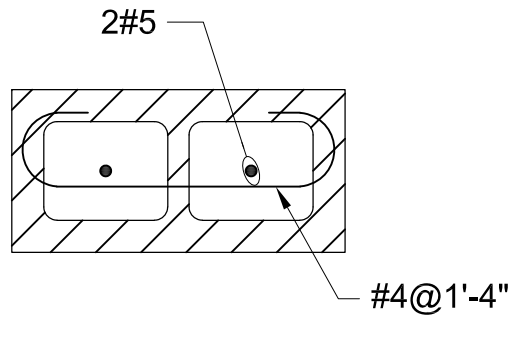


S-202

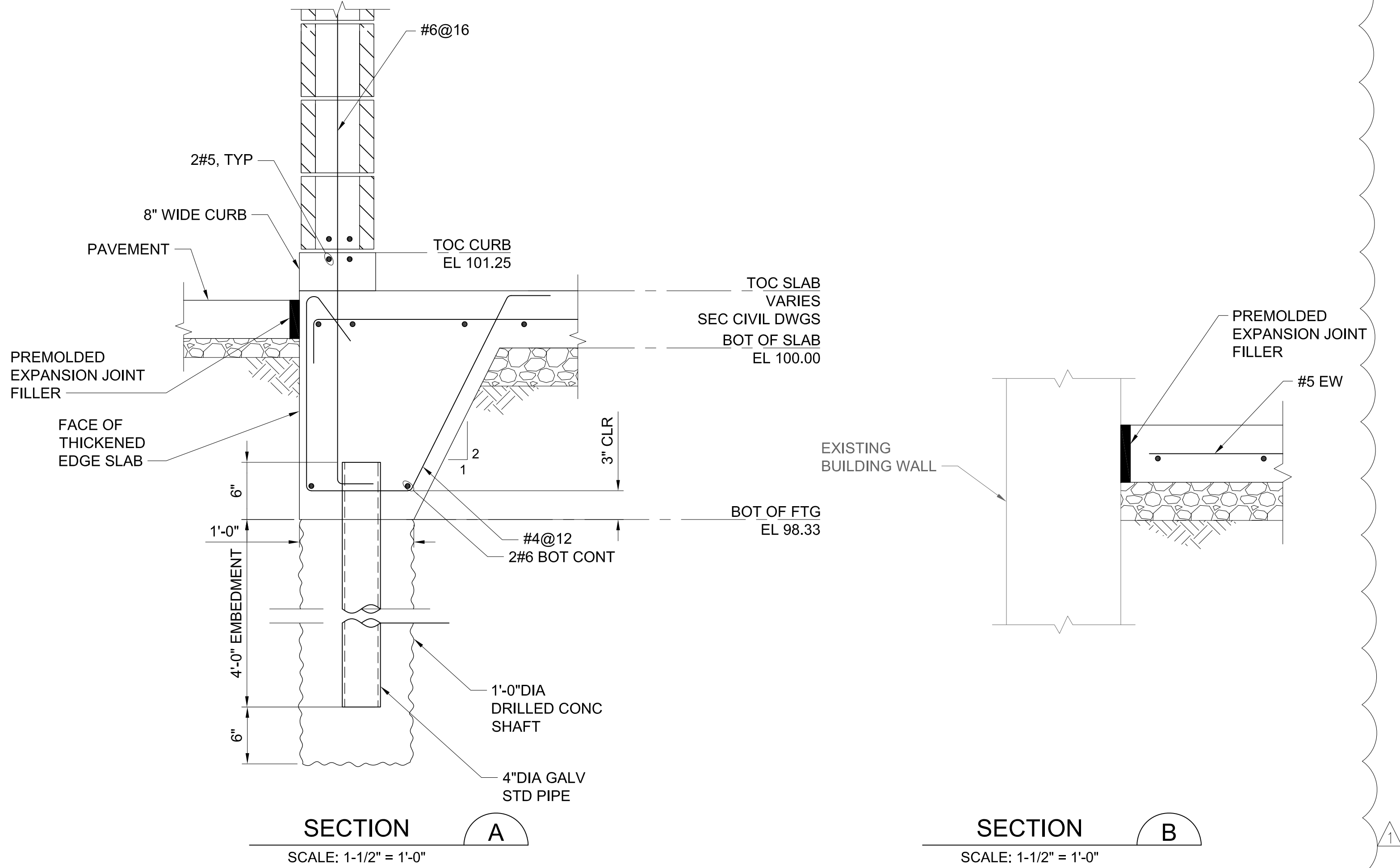




**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"



**DETAIL 1**  
SCALE: 1-1/2" = 1'-0"

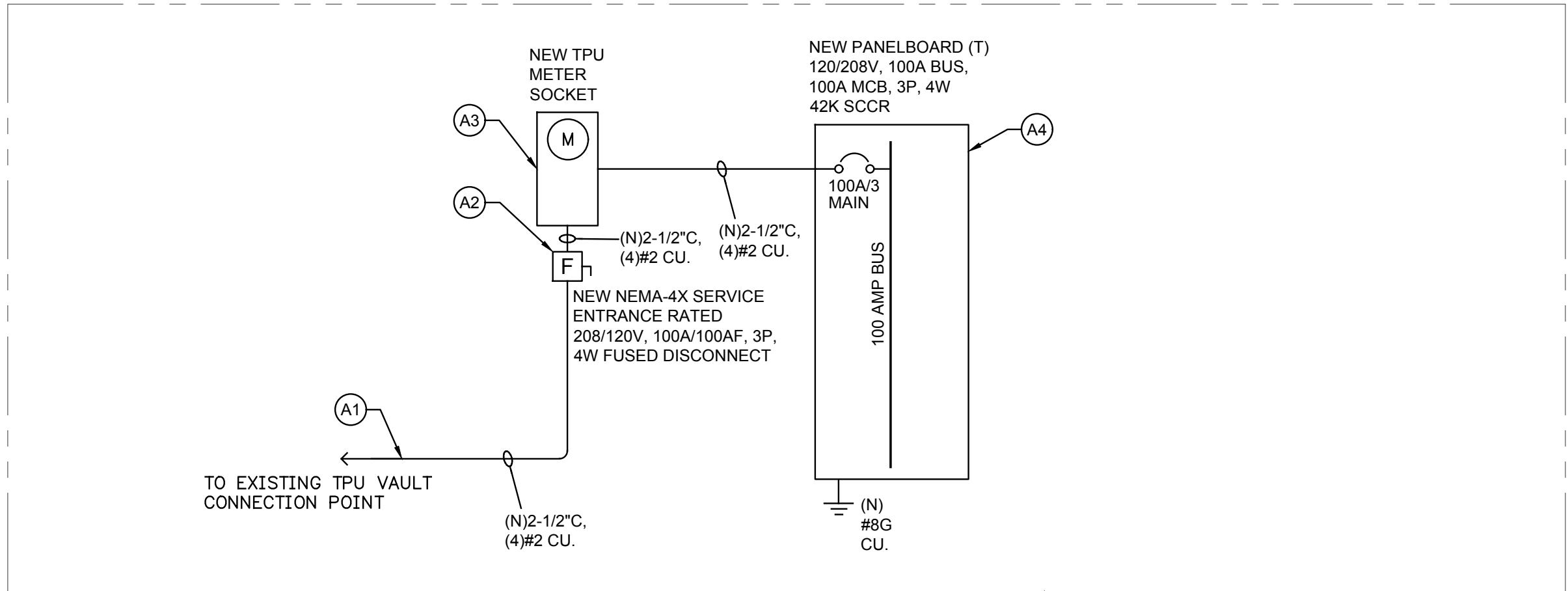


**SECTION A**  
SCALE: 1-1/2" = 1'-0"

**SECTION B**  
SCALE: 1-1/2" = 1'-0"

**S-301**





## 1 - REVISED ONE-LINE POWER DIAGRAM - SITE A

SCALE: NTS

ELECTRICAL DIAGRAM NOTES:

- ALL EQUIPMENT SHOWN SHALL BE PROVIDED NEW.
- ALL NEW FEEDER CONDUCTORS SHALL BE THHN-THWN COPPER(Cu.).

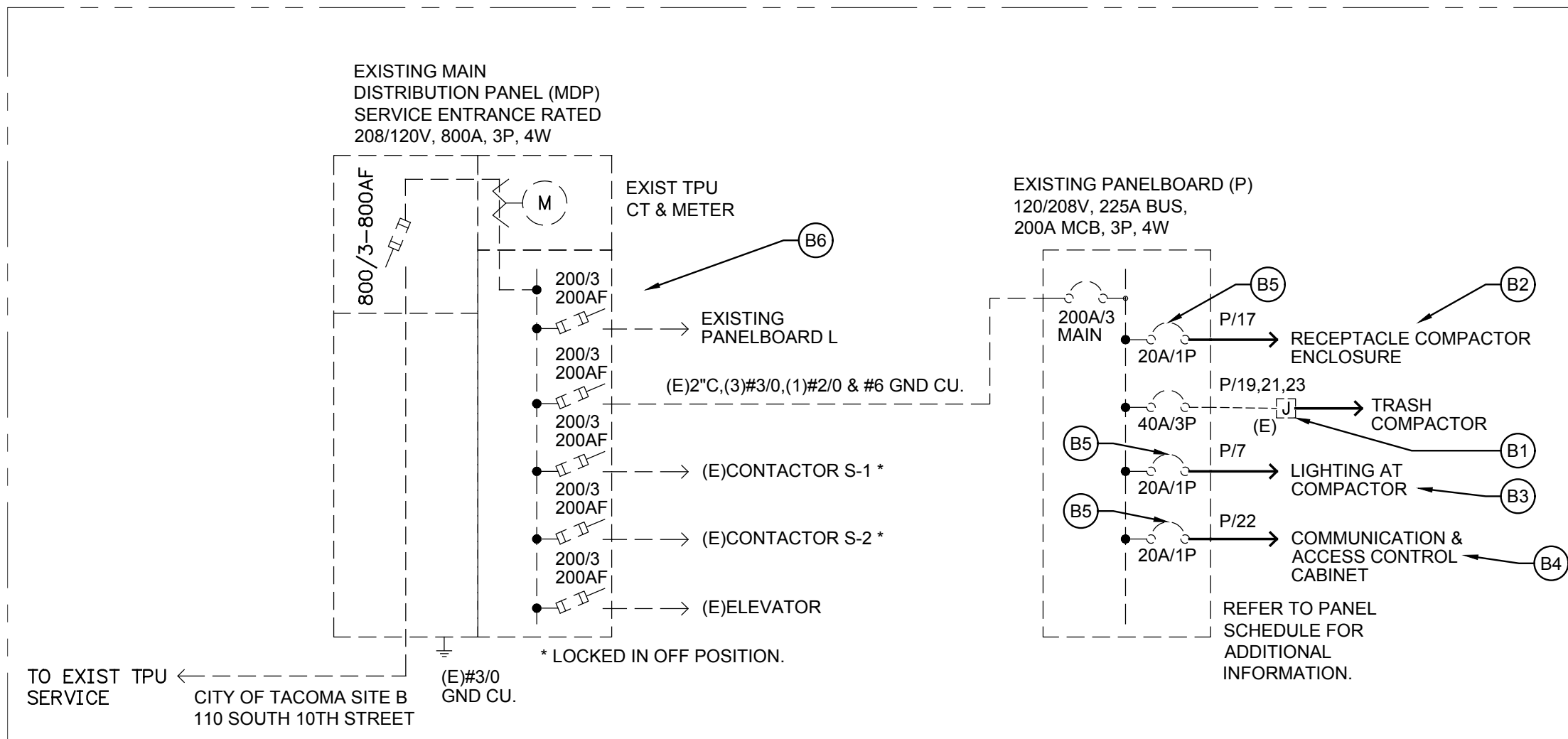
NEW PANEL  T		LOCATION: SITE "A" AT 8TH & A					208/120 VOLT 3 PHASE 4 WIRE		100 AMP BUS RATING 100 AMP MAIN BREAKER		SCCR: 42,000 A AFC: MOUNTING: SURFACE	
		SERVING: TRASH COMPACTOR EQUIPMENT & AREA										
		FED FROM: TPU DISCONNECT & METER										
CKT	LOAD DESCRIPTION	TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION	CKT		
1	RECEPTACLES ENCLOSURE AREA	R	0.360	20/1	A	20/1	1.000	D	COMMUNICATIONS CABINET	2		
3	LIGHTING ENCLOSURE AREA	L	0.261	20/1	B	20/1	0.500	D	ACCESS CONTROL PANEL	4		
5	SPARE	S	-	20/1	C	20/1	-	S	SPARE	6		
7	SPARE	S	-	20/1	A	20/1	-	S	SPARE	8		
9	SPACE	S	-	-	B	-	-	S	SPACE	10		
11	SPACE	S	-	-	C	-	-	S	SPACE	12		
13	SPACE	S	-	-	A	20/3	-	S	SPACE	14		
15	SPACE	S	-	-	B		-	-		-	16	
17	SPACE	S	-	-	C		-	-		-	18	
19	TRASH COMPACTOR	M	4.719	40/3	A	40/3	-	S	SPACE	20		
21	5HP	-	-	-	B	-	-	-		22		
23		-	-	-	C	-	-	-		24		
25	SPACE	S	-	-	A	-	-	S	SPACE	26		
27	SPACE	S	-	-	B	-	-	S	SPACE	28		
29	SPACE	S	-	-	C	-	-	S	SPACE	30		
PHASE LOAD    PHASE A=    2.93    KVA    PHASE B=    2.33    KVA    PHASE C=    1.57    KVA												
LOAD TYPE		L	R	M	H	WH	D	A	K	LM	TOTAL LOADS	
CONN. LOAD		0.26	0.36	4.72			1.50			4.72	6.84 KVA	18.99 AMP
CALC. LOAD		0.33	0.36	4.72			1.50			1.18	8.09 KVA	22.44 AMP
REQUIRED OPTIONS:		SERVICE-ENTRANCE RATED				NEMA-4X ENCLOSURE			HINGED DOOR-IN-DOOR TRIM			
NOTES:												

## GENERAL NOTES SITE A

- COORDINATE ALL SERVICE REQUIREMENTS WITH TPU PRIOR TO WORK.
- ALL NEW FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER.
- PROVIDE OVERTIME RATE FOR WORKING WITH TPU POWER UTILITY TO PULL CABLING DURING THE WEEKEND. MAKE SURE TO INCLUDE TPU POWER UTILITY OVERTIME RATE TOO FOR THIS WORK.
- PROVIDE TIME IN THE BASE BID FOR THE TPU ELECTRICAL UTILITY INSPECTION AND DURING THE ENERGIZED THE SERVICE.
- REFER TO ELECTRICAL E-201 NOTE 5 FOR ADDITIONAL INFORMATION ON CURRENT RATED FUSED FOR THE NEW DISCONNECT SWITCH. TPU NETWORK ELECTRICAL SERVICE IS 150K AIC RATED AND PER THE TPU ELECTRICAL STANDARDS THE 208/120V, 3-PHASE, 100A PANELBOARD SHOULD BE 40K AIC RATED.

## PLAN NOTES SITE A

- REMOVE THE EXISTING SERVICE CONDUIT AND FEEDERS CURRENTLY INSTALLED. PROVIDE NEW UNDERGROUND SERVICE CONDUIT TO THE NEW SERVICE DISCONNECT SWITCH. NEW SERVICE CONDUCTORS PROVIDED BY TPU. VERIFY ALL REQUIREMENTS WITH TPU PRIOR TO WORK.
- PROVIDE NEW NEMA 3R STAINLESS STEEL HEAVY DUTY 100 AMP FUSED DISCONNECT SWITCH WITH REJECTION TYPE FUSES PER TPU STANDARDS.
- PROVIDE NEW NEMA 3R STAINLESS STEEL MANUAL BY-PASS METER SOCKET PER TPU STANDARDS.
- PROVIDE NEW STAINLESS STEEL NEMA 3R SERVICE ENTRANCE RATED 100-AMP 120/208-VOLT 3-PHASE 4-WIRE PANEL BOARD WITH A 100-AMP MAIN BREAKER. SEE PANEL SCHEDULE FOR ADDITIONAL INFORMATION.



## 2 - REVISED ONE-LINE POWER DIAGRAM - SITE B

SCALE: NTS

ELECTRICAL DIAGRAM NOTES:

- ALL DASHED LINES INDICATE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- ALL SOLID LINE INDICATE NEW TO BE PROVIDED.
- ALL EXISTING AND NEW FEEDERS ARE COPPER (CU.).
- ALL NEW FEEDER CONDUCTORS SHALL BE THHN-THWN COPPER(Cu.).

THIS DRAWING WAS PRODUCED FROM ORIGINAL AS-BUILT DRAWINGS AND FIELD OBSERVATIONS, AND MAY NOT REPRESENT AN ACCURATE AS-BUILT CONDITION. DISCREPANCIES MAY BE ENCOUNTERED, AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

EXIST. PANEL		LOCATION: 110 S. 10TH STREET PARKING GARAGE BASE					208/120 VOLT		225 AMP BUS RATING		SCCR: 10,000 A	
P	SERVING: PARKING GARAGE/BUILDING					3 PHASE		200 AMP MAIN BREAKER		AFC:		
	FED FROM: MAIN DISTRIBUTION SWITCHBOARD					4 WIRE		MOUNTING: SURFACE				
CKT	LOAD DESCRIPTION		TYPE	KVA	A/P	PHASE	A/P	KVA	TYPE	LOAD DESCRIPTION		CKT
1	ATTENDANTS LTS, REC, S.T.I		L	1.680	20/1	A	30/1	1.176	M	ENTRY GATE LEVEL 2 NORTH		2
3	EXISTING LOAD		D	1.440	20/1	B	20/1	1.176	M	ENTRY GATE LEVEL 1 CENTER		4
5	EXISTING LOAD		D	1.440	20/1	C	20/1	1.440	D	EXISTING LOAD		6
7	LIGHTS AT TRASH ENCLOSURE		L	0.165	20/1	A	20/1	0.500	D	ENTRANCE CONTROL D-600		8
9	ENTRY GATE L4 NOT USED LEAVE OFF		M	1.176	20/1	B	20/1	1.176	M	GATE N W LEVEL 2		10
11	EXIT GATE LEVEL 4		M	1.176	20/1	C	20/1	0.500	D	TICKET SPLITTER & LOAD DET.		12
13	CAR CHARGER		D	6.656	40/2	A	20/1	0.864	M	SPRINKLER COMPRESSOR		14
15			-	-	-	B	20/1	1.440	L	SPRINKLER RM HEAT & LIGHTS		16
17	GP RECEPT IN TRASH ENCLOSURE		D	0.180	20/1	C	20/1	0.500	D	EXHUAUST FAN CONTROL CKT.		18
19	TRASH COMPACTOR		M	4.719	40/3	A	20/1	0.910	L	FAN ROOM LTS & RECEPT		20
21	5HP		-	-	-	B	20/1	1.200	D	TRASH COMM. & ACCESS CONT. CAB.		22
23			-	-	-	C	20/1	1.000	D	SNOW MELT CONTROL		24
25	ROLL UP GATES 2ND LEVEL NORTH		M	4.320	20/3	A	20/1	1.000	D	SNOW MELT CONTROL		26
27			-	-	-	B	20/1	1.000	D	SNOW MELT CONTROL		28
29			-	-	-	C	20/1	1.440	D	EXISTING LOAD		30
31	EXHAUST FAN		M	8.640	40/3	A	20/1	1.440	D	EXISTING LOAD		32
33			-	-	-	B	-	-	S	SPACE		34
35			-	-	-	C	20/1	1.440	D	EXISTING LOAD		36
37	CAR CHARGER		D	6.656	40/2	A	20/1	1.440	D	EXISTING LOAD		38
39			-	-	-	B	20/1	1.176	M	GATE S E. LEVEL 1		40
41	EXISTING LOAD		D	1.440	20/1	C	20/1	1.176	M	GATE S W LEVEL 1		42
PHASE LOAD    PHASE A=    21.72    KVA    PHASE B=    22.33    KVA    PHASE C=    17.63    KVA												
LOAD TYPE		L	R	M	H	WH		D	A	K	LM	TOTAL LOADS
CONN. LOAD		4.20		26.78				30.71			8.64	61.68 KVA    171.21 AMP
CALC. LOAD		5.24		26.78				30.71			2.16	64.89 KVA    180.12 AMP
NOTES: CIRCUITS INDICATED IN BOLD TEXT ARE NEW CIRCUITS LOCATED AT SPARE BREAKERS.												
TRASH COMPACTOR CIRCUIT 19,21,23 IS AN EXISTING 5HP TRASH COMPACTOR CIRCUIT TO BE RECONNECTED TO A NEW 5HP TRASH COMPACTOR												

## GENERAL NOTES SITE B

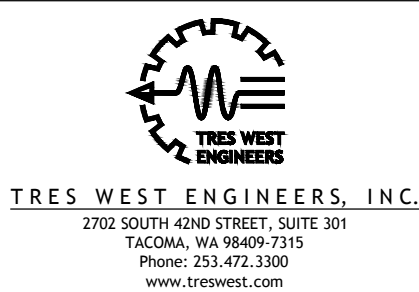
- COORDINATE ALL ELECTRICAL WORK INSIDE THE GARAGE WITH THE CITY. THE ELECTRICAL SYSTEM IS LOCATED IN THE BASEMENT FLOOR IN A LOCKED AREA IN THE ADJACENT GARAGE. ADJACENT GARAGE IS UNDER PROPERTY MANAGEMENT AND WILL REQUIRE PROPER NOTICE AND COORDINATION.
  - ALL NEW FEEDERS AND BRANCH CIRCUITS SHALL BE COPPER.
- ### PLAN NOTES SITE B
- EXTEND EXISTING TRASH COMPACTOR CIRCUIT FROM EXISTING JUNCTION BOX LOCATED IN EXISTING COMPACTOR ENCLOSURE AREA.
  - PROVIDE A NEW CIRCUIT FOR RECEPTACLE IN THE COMPACTOR AREA. PROVIDE A 1-INCH CONDUIT AND 2#10 PLUS GROUND. ALL THREE NEW 120V CIRCUITS SHOWN SHALL USE THE SAME 1-INCH CONDUIT.
  - PROVIDE A NEW CIRCUIT FOR LIGHT FIXTURES AT THE COMPACTOR AREA. PROVIDE A 1-INCH CONDUIT AND 2#10 PLUS GROUND. ALL THREE NEW 120V CIRCUITS SHOWN SHALL USE THE SAME 1-INCH CONDUIT.
  - PROVIDE A NEW CIRCUIT FOR THE COMMUNICATIONS AND ACCESS CONTROL CABINETS AT THE COMPACTOR AREA. PROVIDE A 1-INCH CONDUIT AND 2#10 PLUS GROUND. ALL THREE NEW 120V CIRCUITS SHOWN SHALL USE THE SAME 1-INCH CONDUIT.
  - USE EXISTING SPARE BREAKER IN PANEL P.
  - EXISTING DISTRIBUTION SHOWN FOR REFERENCE; NO WORK REQUIRED.

E-601

CALL 2 DAYS  
BEFORE YOU DIG  
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ISSUED FOR  
BID



ADDENDUM 4

REVISION

DATE

APPD

2/21/23 RWA

FINAL CONSTRUCTION CHECKED

DATE

12/02/2022

SCALE

NONE

DESIGNED

FLR

CHECKED

RWA

DRAWN

RBC

PROJECT NAME

146.04

DRAWING NAME

200906-27-ELEC\_1LINE.dwg

12/02/2022

12/02/2022

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