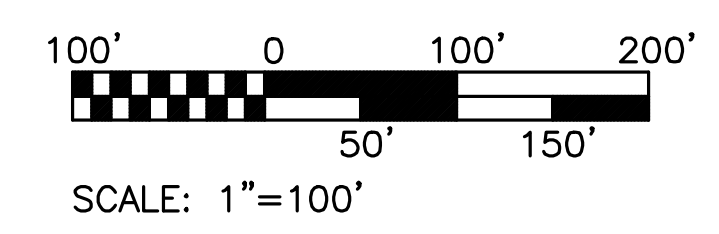
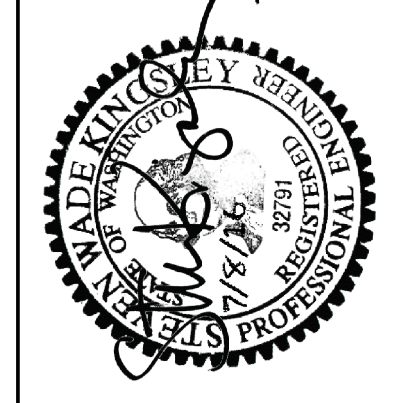


**KEYNOTES:**

- ① WAPATO CREEK
- ② 150' STREAM BUFFER
- ③ FOR WORK WITHIN CITY ROW, SEE WORK ORDER PERMIT NUMBER 60000041488
- ④ CITY ROW LINE
- ⑤ 8-FIT CHAIN LINK FENCE
- ⑥ EXISTING MONITORING WELL
- ⑦ CONNECT TO PCT TRUCK STAGING FENCE, SEE SHEETS C1.1 THRU C1.2
- ⑧ SEE SHEETS C1.1 THRU C1.2 FOR PCT WORK WITHIN THIS AREA
- ⑨ AUTO ENTRY
- ⑩ 24-FIT MANUAL SWING GATE



<b>6556</b> <b>C10.0</b> SHEET 30 OF 53	<b>PCT TRUCK STAGING</b> <b>PORTAC</b> OVERALL SITE PLAN		APPROVED:	SWK 05/20/2016 CHECKED BY DATE
	TOWNSHIP: 20N DAT-HRZ:	RANGE: 03E VERT:	SECTION: 01	RGC 05/20/2016 PROJ. ENGR DATE
M. ID: PHASE: CONFORMED	DRAWING SCALE: AS NOTED			MARK: REVISION:
				BY:
				APPR:
				DATE:

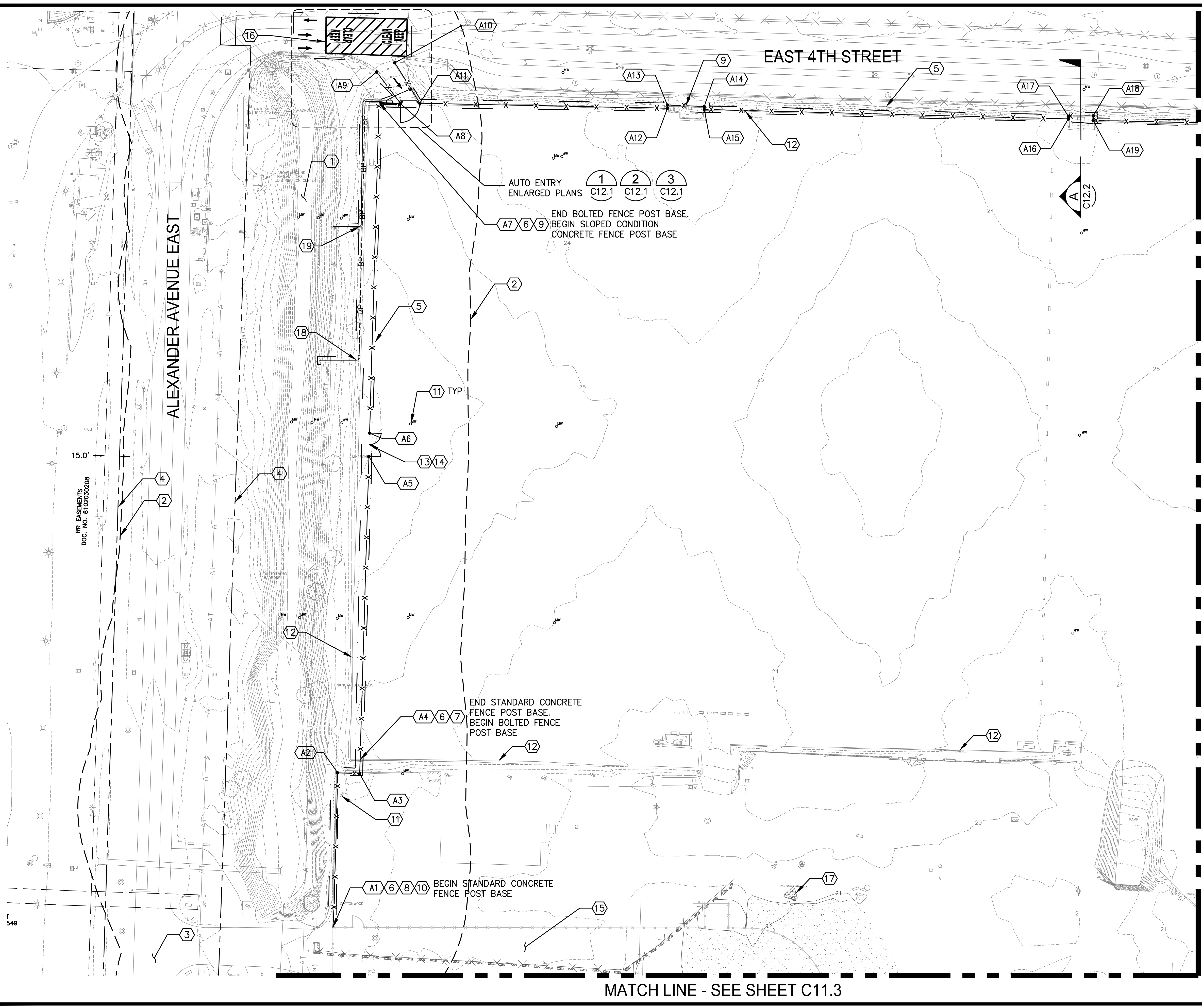


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**KEYNOTES:**

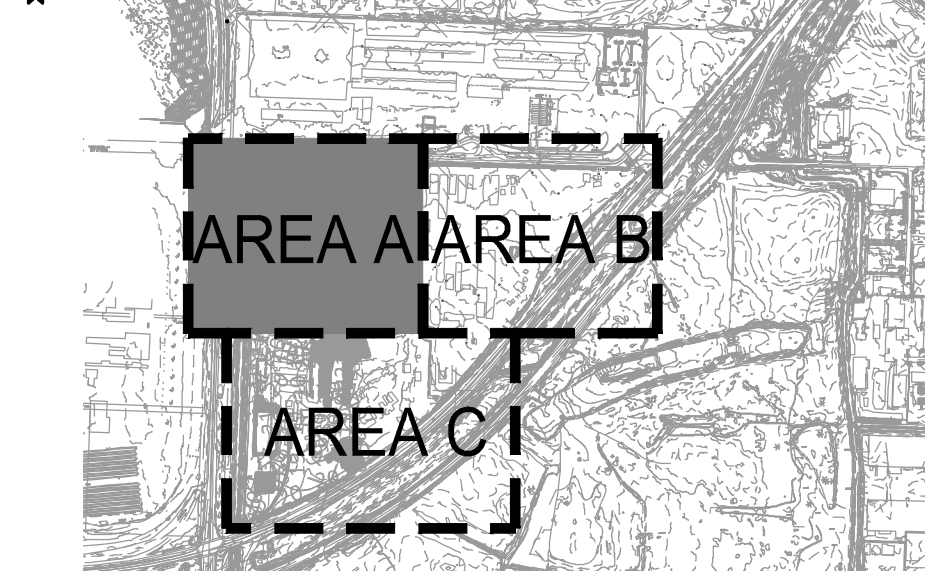
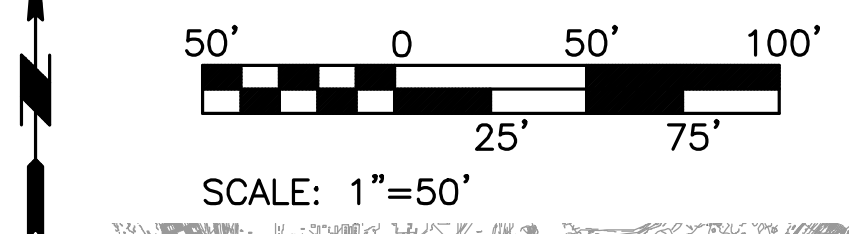
- 1 WAPATO CREEK
- 2 150' STREAM BUFFER
- 3 FOR WORK WITHIN CITY ROW, SEE WORK ORDER PERMIT NUMBER 60000041488
- 4 CITY ROW LINE
- 5 LIMITS OF WORK
- 6 8 FT CHAIN LINK FENCE (C5.1)
- 7 BOLTED FENCE POST BASE (C12.3)
- 8 STANDARD CONCRETE FENCE POST BASE (C5.1)
- 9 SLOPED CONDITION CONCRETE FENCE POST BASE, LOCATED 1' TYP OUTSIDE THE EDGE OF THE PORTAC CAP (C5.1)
- 10 CONNECT TO PCT TRUCK STAGING FENCE, SEE SHEETS C1.1 THRU C1.2 (C5.1)
- 11 PROTECT-IN-PLACE EXISTING MONITORING WELL
- 12 EDGE OF PORTAC CAP
- 13 24' MANUAL DOUBLE SWING GATE (C12.3)
- 14 2" CONDUIT INSTALLED BELOW GRADE FOR FUTURE SHAKER WIRE (C5.5)
- 15 PCT TRUCK STAGING, THIS AREA, SEE SHEETS C1.1 THRU C1.2
- 16 KEEP CLEAR SYMBOL (C12.3)
- 17 PROTECT IN PLACE EXISTING NAVIGATION MARKER
- 18 BURIED ELECTRICAL SERVICE, SEE NOTE 2
- 19 BURIED INTERNET SERVICE, SEE NOTE 2

**LEGEND:**

- x—x— CHAIN LINK FENCE (C5.1)
- - - LIMITS OF WORK
- XX CONTROL POINT

**NOTES:**

1. FOR HORIZONTAL CONTROL TABLE SEE SHEET C11.4
2. FOR ELECTRICAL WORK, SEE SHEETS E1.0 THRU E3.0.
3. CONTRACTOR SHALL RESTORE DISTURBED VEGETATION WITHIN STREAM BUFFER AT A MINIMUM WITH NATIVE GRASSES.



MATCH LINE - SEE SHEET C11.2

MATCH LINE - SEE SHEET C11.3

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SWK 05/20/2016 CHECKED BY: _____ DATE: _____ RGC 05/20/2016 PROJ. ENGR DATE: _____ DIRECTOR ENG. DATE: _____ PRINTED BY: rchandler JUL 08, 2016 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837	APPROVED: _____ DATE: _____
PCT TRUCK STAGING PORTAC SITE PLAN - AREA A	RANGE: 03E SECTION: 01 TOWNSHIP: 20N DAT-HRZ: _____ PARCEL: 5000350150 DRAWING SCALE: AS NOTED
6556 <b>C11.1</b> SHEET 31 OF 53	M. ID: _____ PHASE: CONFORMED

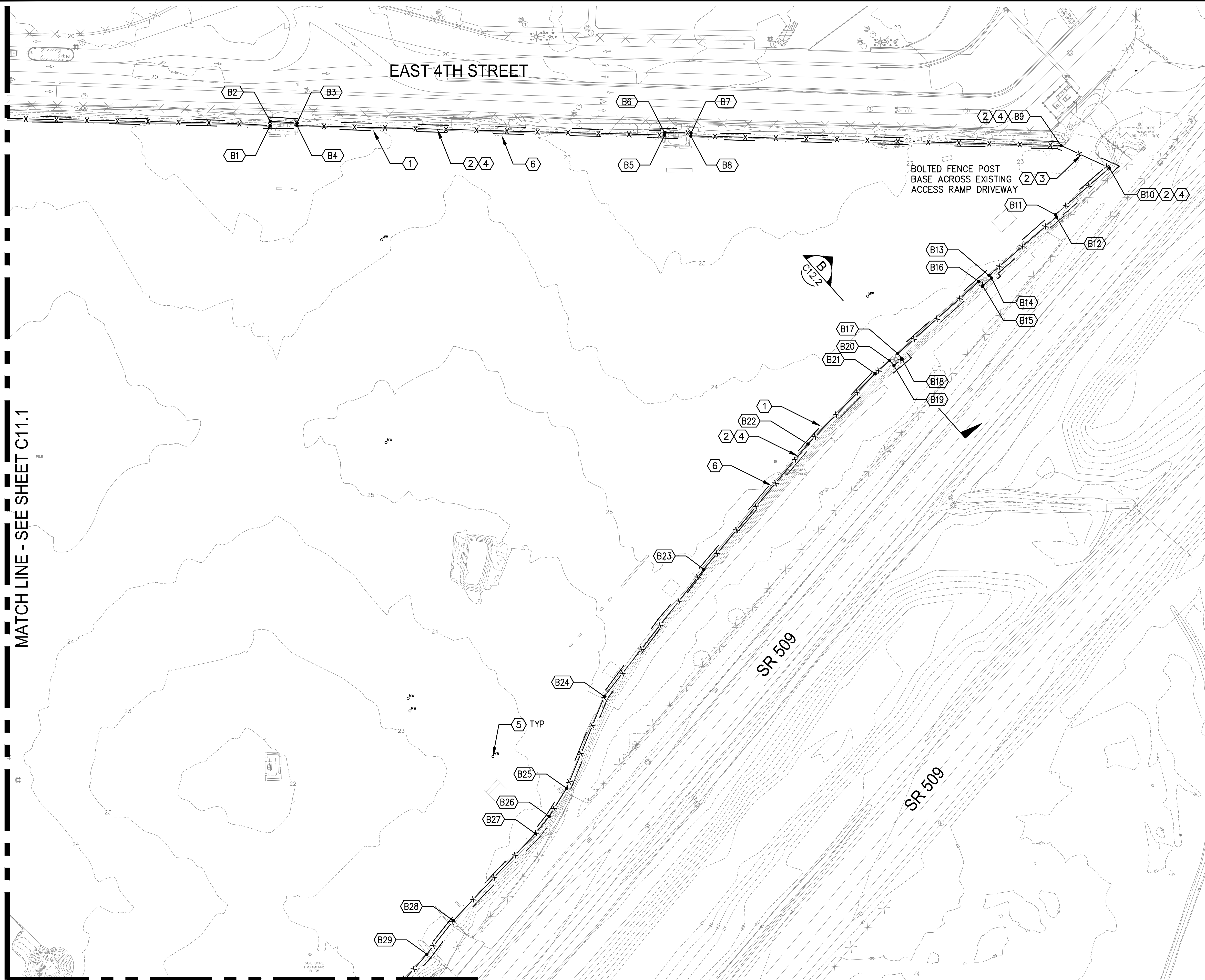
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BINDING EDGE

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MATCH LINE - SEE SHEET C11.1

MATCH LINE - SEE SHEET C11.3



KEYNOTES:

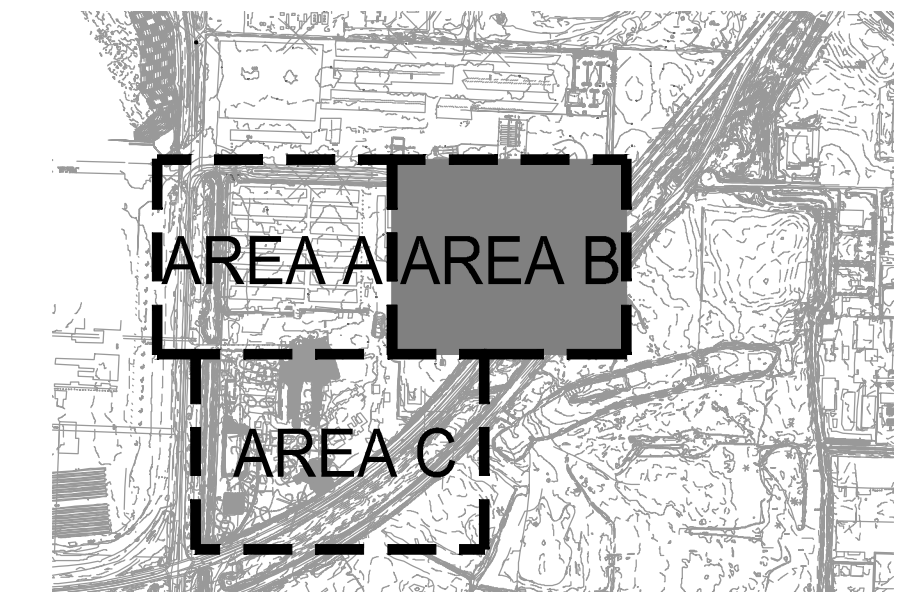
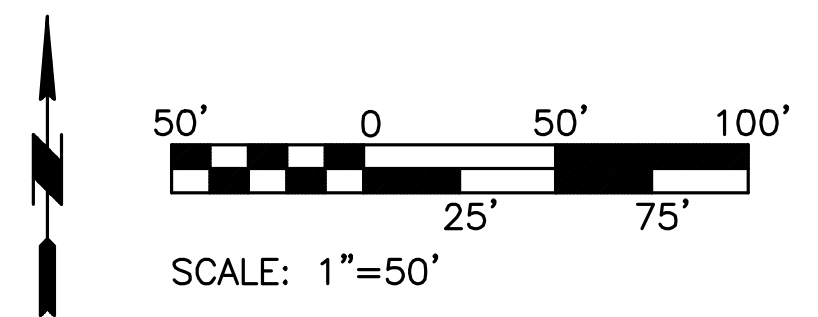
- ① LIMITS OF WORK
- ② 8-FT CHAIN LINK FENCE 1 C5.1
- ③ BOLTED FENCE POST BASE 3 C12.3
- ④ SLOPED CONDITION CONCRETE FENCE POST BASE, 1' TYP OUTSIDE THE EDGE OF THE PORTAC CAP 1 C5.1
- ⑤ PROTECT-IN-PLACE EXISTING MONITORING WELL
- ⑥ EDGE OF PORTAC CAP

LEGEND:

- x—x— CHAIN LINK FENCE 1 C5.1
- - - - - LIMITS OF WORK
- XX CONTROL POINT

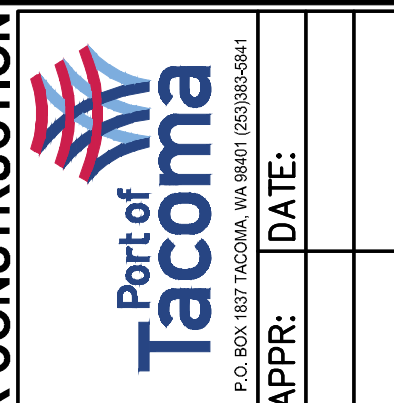
NOTES:

- 1. FOR HORIZONTAL CONTROL TABLE SEE SHEET C11.4

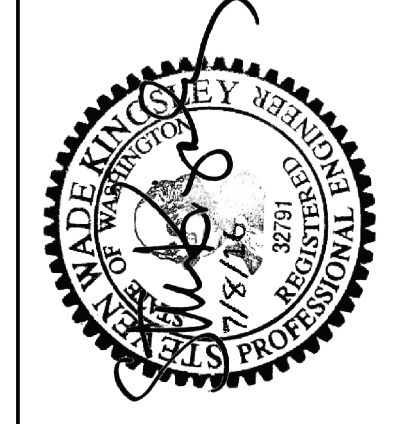


KEY PLAN  
NTS

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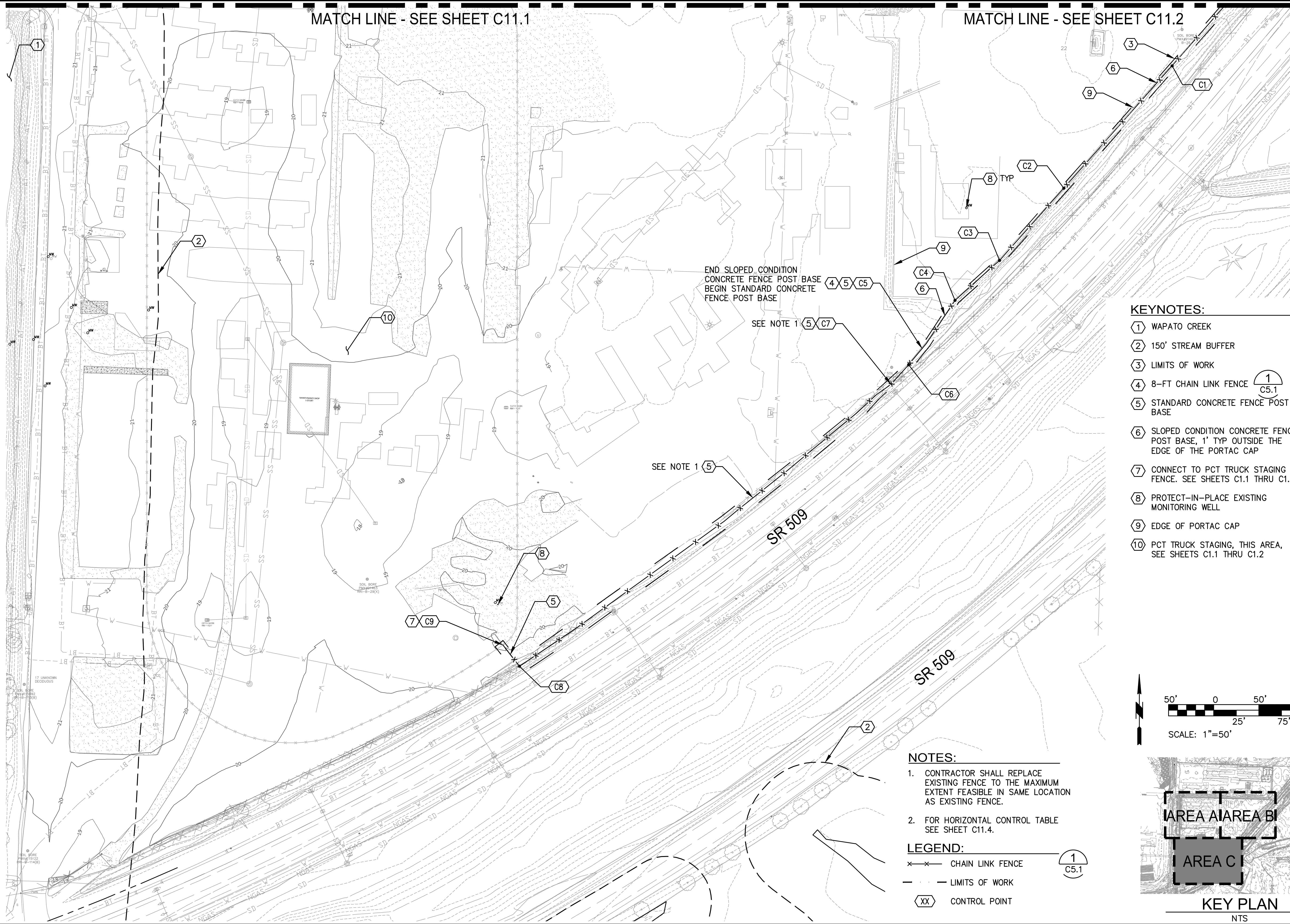
APPROVED:	SWK	05/20/2016
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DIRECTOR ENG. DATE	PROJ. ENGR	DATE
PRINTED BY: rchandler	JUL 08, 2016	
PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		

<b>6556</b> <b>C11.2</b> SHEET 32 OF 53	PCT TRUCK STAGING	
	PORTAC SITE PLAN - AREA B	
CONT/CONS: 070287	RANGE: 03E	SECTION: 01
M. ID:	TOWNSHIP: 20N	DATE-HRZ:
PHASE: CONFORMED	PARCEL: 5000350150	DRAWING SCALE: AS NOTED

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MATCH LINE - SEE SHEET C11.1

MATCH LINE - SEE SHEET C11.2



**KEYNOTES:**

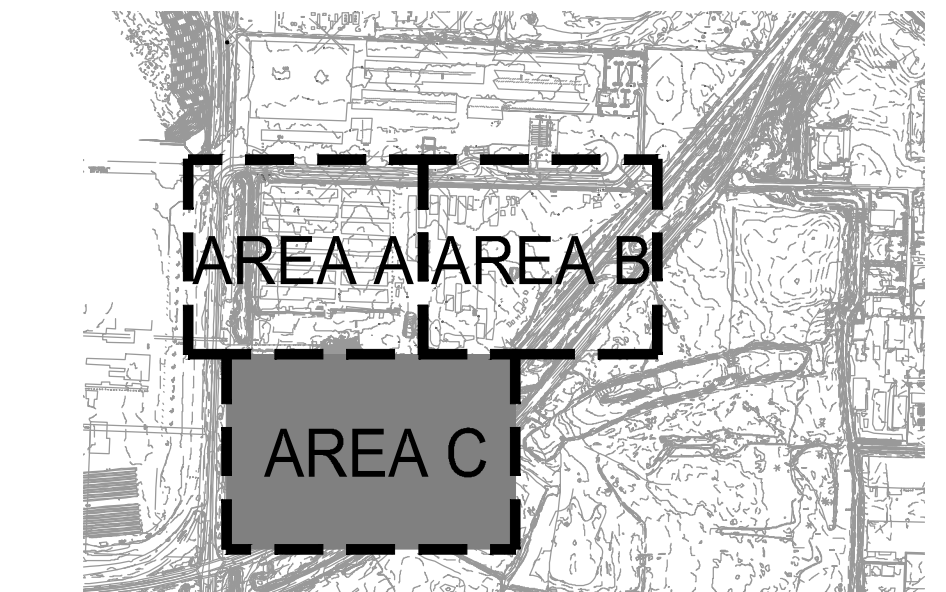
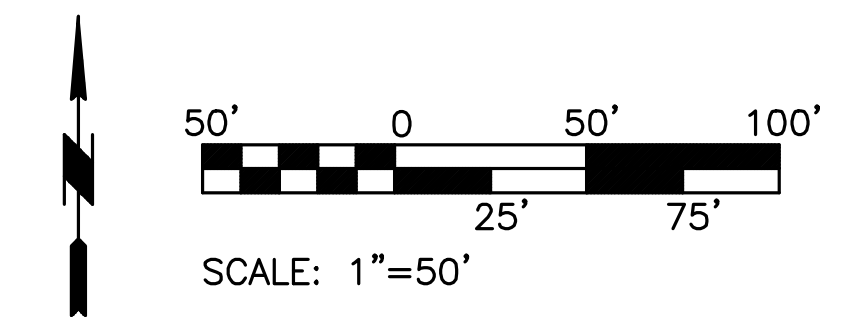
- ① WAPATO CREEK
- ② 150' STREAM BUFFER
- ③ LIMITS OF WORK
- ④ 8-FT CHAIN LINK FENCE 1  
C5.1
- ⑤ STANDARD CONCRETE FENCE POST BASE 1  
C5.1
- ⑥ SLOPED CONDITION CONCRETE FENCE POST BASE, 1' TYP OUTSIDE THE EDGE OF THE PORTAC CAP 1  
C5.1
- ⑦ CONNECT TO PCT TRUCK STAGING FENCE. SEE SHEETS C1.1 THRU C1.2
- ⑧ PROTECT-IN-PLACE EXISTING MONITORING WELL
- ⑨ EDGE OF PORTAC CAP
- ⑩ PCT TRUCK STAGING, THIS AREA, SEE SHEETS C1.1 THRU C1.2

**NOTES:**

1. CONTRACTOR SHALL REPLACE EXISTING FENCE TO THE MAXIMUM EXTENT FEASIBLE IN SAME LOCATION AS EXISTING FENCE.
2. FOR HORIZONTAL CONTROL TABLE SEE SHEET C11.4.

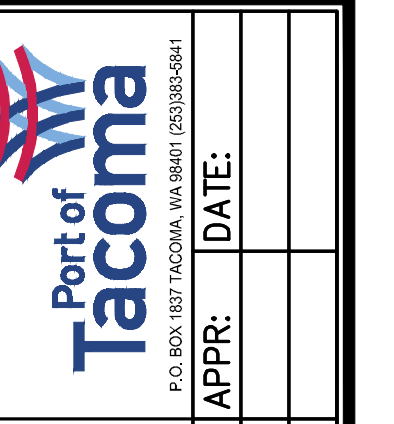
**LEGEND:**

- x—x— CHAIN LINK FENCE 1  
C5.1
- - - LIMITS OF WORK
- ⊗ CONTROL POINT

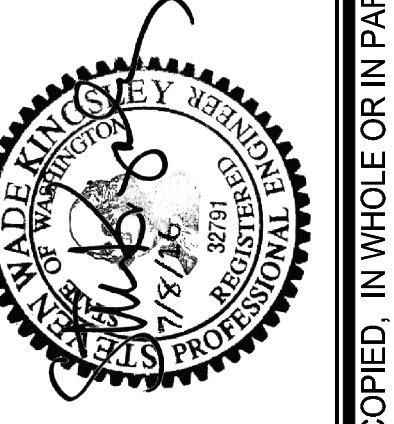


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PCT TRUCK STAGING PORTAC SITE PLAN - AREA C	RANGE: 03E	SECTION: 01
	TOWNSHIP: 20N	DRAWING SCALE: AS NOTED
DATE-HRZ:	PARCEL: 5000350150	

6556	<b>C11.3</b>	SHEET 33 OF 53
CONTR/CONS: 070287		
M. ID:	PHASE: CONFORMED	

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**SHEET C11.1 (AREA A) HORIZONTAL CONTROL**

POINT	NORTHING	EASTING
A1	704920.96	1175490.96
A2	705079.53	1175495.70
A3	705078.54	1175518.44
A4	705092.91	1175518.86
A5	705404.13	1175527.85
A6	705428.12	1175528.56
A7	705767.15	1175538.38
A8	705766.44	1175560.16
A9	705798.67	1175535.80
A10	705808.13	1175554.51
A11	705766.48	1175580.16
A12	705761.37	1175834.13
A13	705764.74	1175834.22
A14	705763.22	1175872.03
A15	705760.18	1175871.96
A16	705750.40	1176245.47
A17	705753.32	1176245.46
A18	705753.63	1176271.21
A19	705748.84	1176271.12

**SHEET C11.2 (AREA B) HORIZONTAL CONTROL**

POINT	NORTHING	EASTING
B1	705739.42	1176646.02
B2	705743.75	1176646.20
B3	705742.04	1176673.52
B4	705739.34	1176673.39
B5	705729.79	1177046.87
B6	705732.31	1177046.99
B7	705731.91	1177073.75
B8	705728.85	1177073.62
B9	705719.07	1177449.80
B10	705696.38	1177498.96
B11	705648.89	1177444.15
B12	705646.57	1177445.14
B13	705587.00	1177376.58
B14	705584.41	1177379.07
B15	705576.26	1177370.37
B16	705580.98	1177366.28
B17	705507.67	1177283.82
B18	705502.31	1177288.26
B19	705495.39	1177280.00
B20	705500.59	1177275.34
B21	705487.14	1177260.83
B22	705415.76	1177192.69
B23	705288.38	1177086.67
B24	705159.18	1176985.73
B25	705065.81	1176947.38
B26	705037.28	1176929.59
B27	705019.73	1176915.67
B28	704931.28	1176832.22
B29	704897.26	1176805.35

**SHEET C11.3 (AREA C) HORIZONTAL CONTROL**

POINT	NORTHING	EASTING
C1	704804.49	117624.23
C2	704668.93	1176604.28
C3	704588.93	1176533.15
C4	704544.67	1176483.87
C5	704491.21	1176447.41
C6	704473.32	1176432.51
C7	704451.69	1176413.08
C8	704139.39	1176001.56
C9	74162.93	1175983.22

6556

**C11.4**

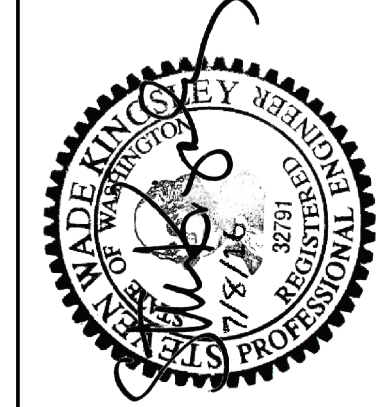
SHEET 34 OF 53  
 CONT/CONS: 070287  
 M. ID:  
 PHASE: CONFORMED

**PCT TRUCK STAGING  
 PORTAC  
 HORIZONTAL CONTROL**

TOWNSHIP: 20N RANGE: 03E SECTION: 01  
 DAT-HRZ: VERT:  
 PARCEL: 5000350150 DRAWING SCALE: AS NOTED

**APPROVED:**

SWK 05/20/2016  
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 PRINTED BY: rchandler JUL 08, 2016  
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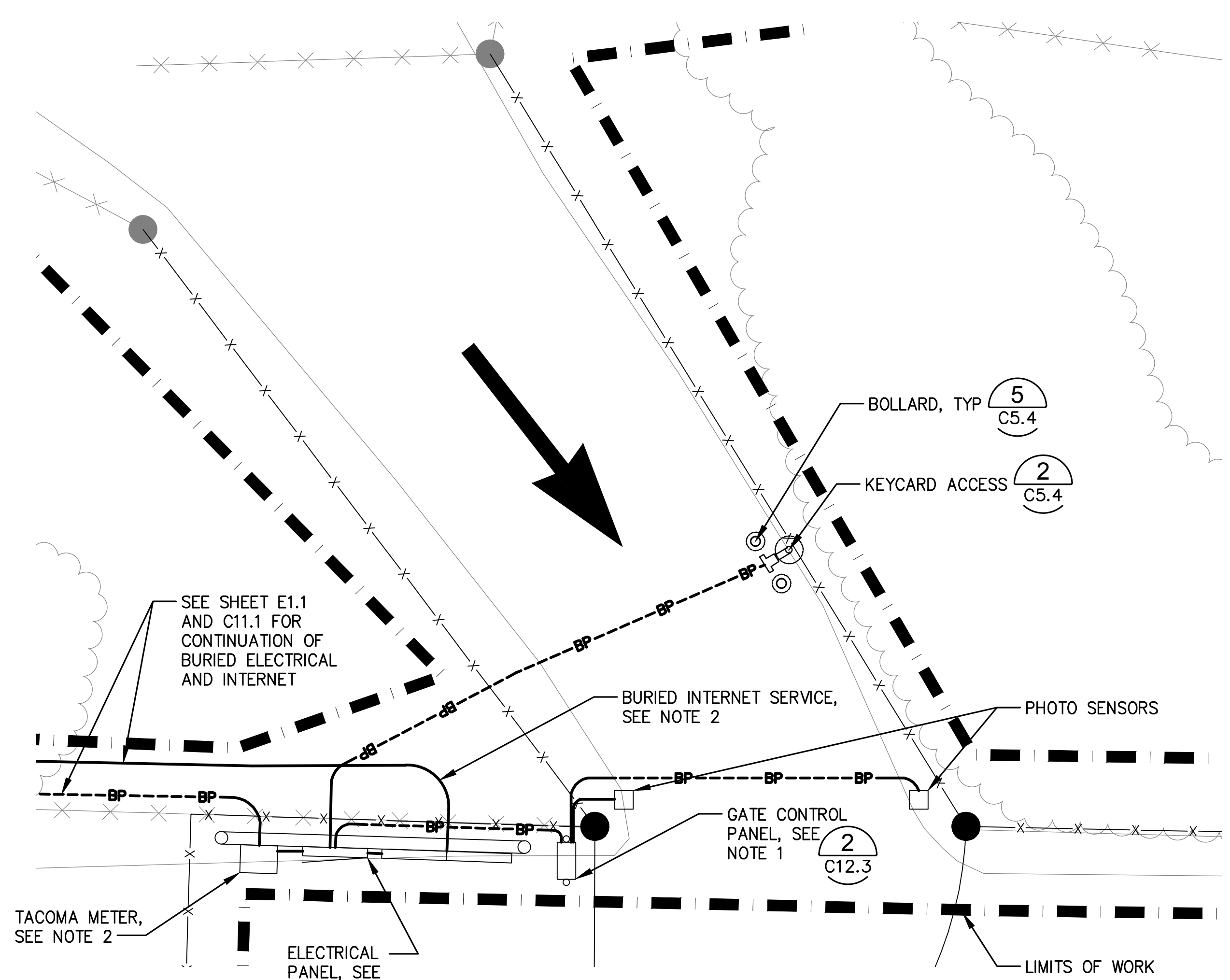
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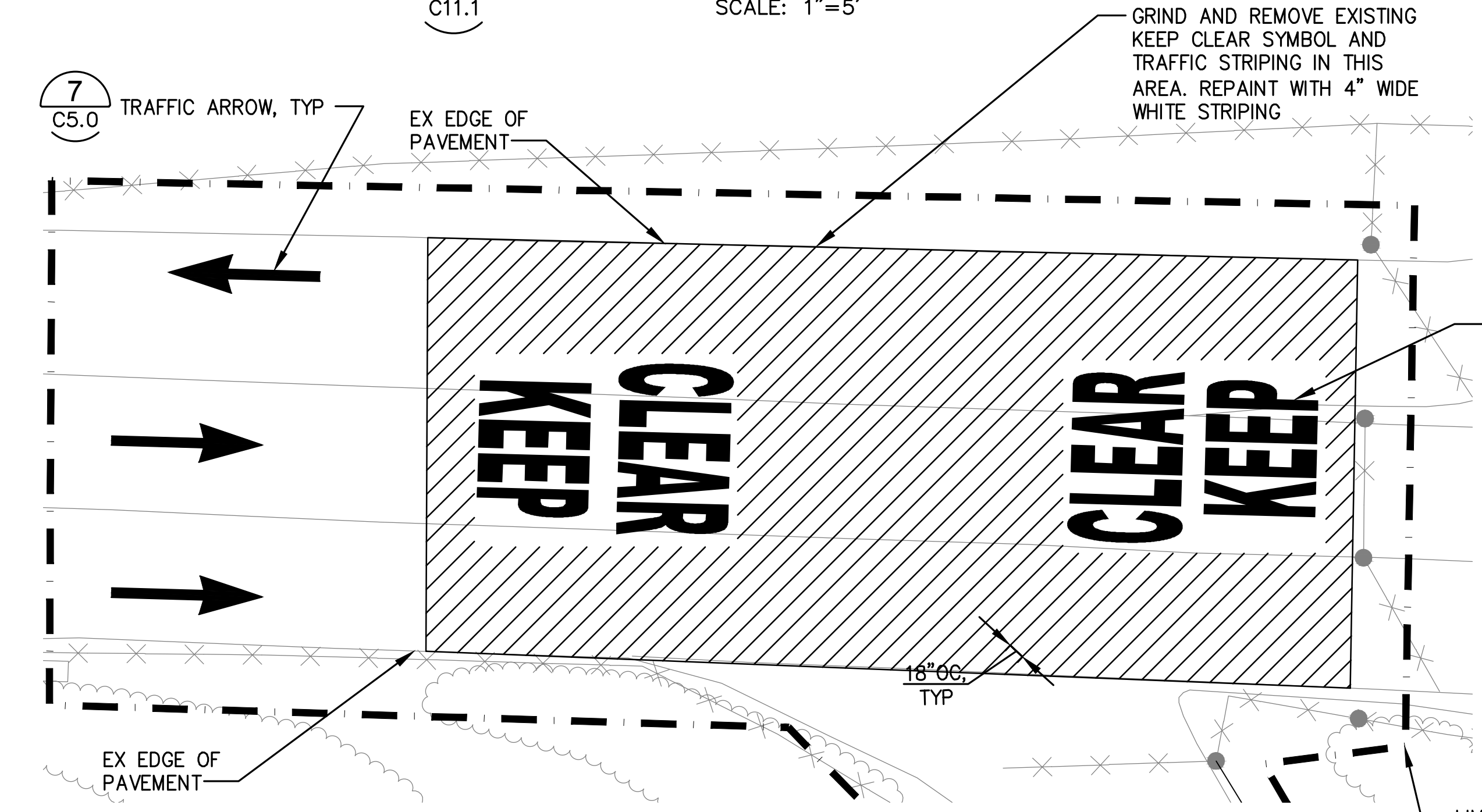
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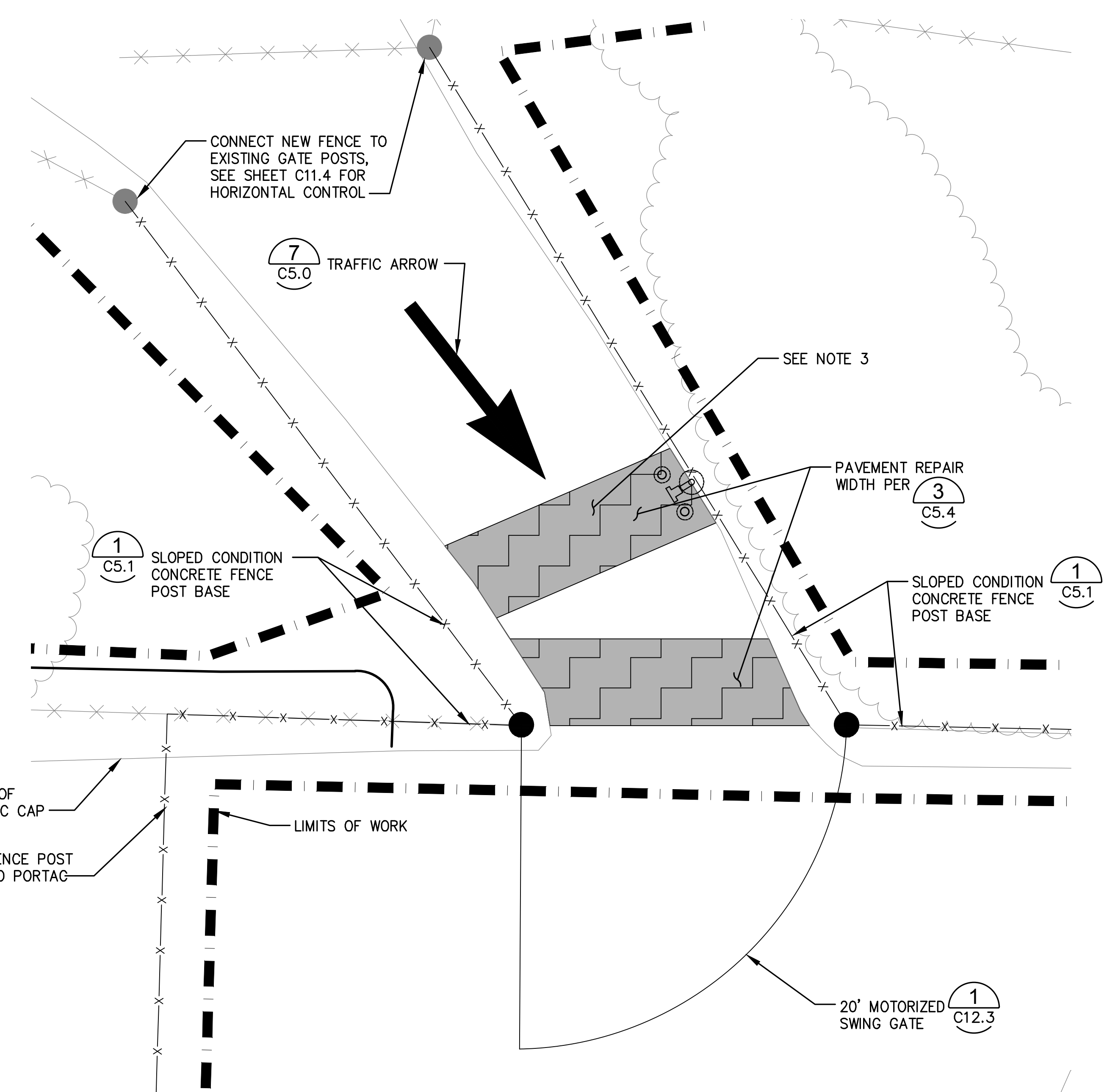
PORT OF TACOMA FILE: N:\Civil\114114080 Port of Tacoma Planning On-Call\114080.16 PCT Gate Queue\Part 3 - KPFF Design\3.13 Drawings\091606-C121-C123 (Portac Fence Details)



**1** ACCESS GATE ELECTRICAL LAYOUT DETAIL  
C11.1 SCALE: 1"=5'



**3** ACCESS GATE PAVEMENT STRIPING DETAIL  
C11.1 SCALE: 1"=10'



**2** ACCESS GATE AND PAVEMENT REPAIR DETAIL  
C11.1 SCALE: 1"=5'

- NOTES:**
1. LOCATION OF GATE OPERATOR IS APPROXIMATE. CONTRACTOR TO COORDINATE WITH GATE OPERATOR MANUFACTURER FOR PLACEMENT OF GATE OPERATOR.
  2. FOR ELECTRICAL, SEE ELECTRICAL SHEETS E1.0 THRU E3.0.
  3. RECORD DRAWINGS DEPICT EXISTING DRIVEWAY PAVEMENT TO BE 13" OF ROLLER COMPACTED CONCRETE OVER 9" OF BALLAST. CONTRACTOR SHALL VERIFY PAVEMENT DEPTHS AND REPLACE IN KIND.

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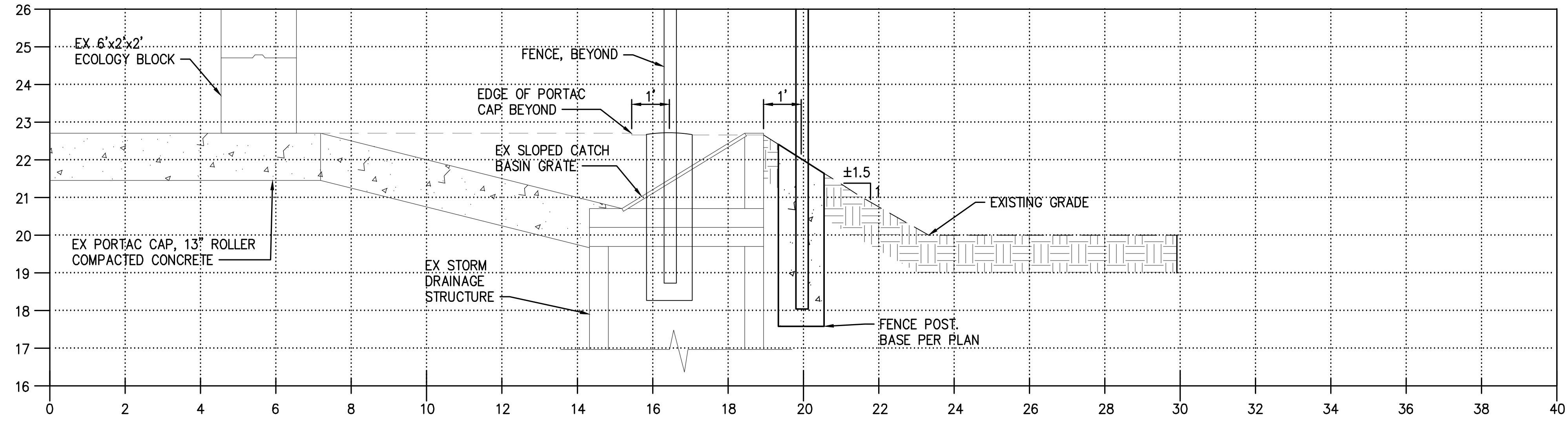
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	<b>CHANGED BY</b>				
	<b>RGCC</b>	<b>05/20/2016</b>	<b>DATE</b>	<b>DATE</b>	<b>DATE</b>
<b>DIRECTOR ENG. DATE</b>	<b>PROJ. ENGR</b>	<b>DATE</b>	<b>DATE</b>	<b>DATE</b>	<b>DATE</b>
<b>PRINTED BY:</b> rchandler	<b>JUL 08, 2016</b>	<b>7/8/16</b>	<b>8281</b>	<b>8281</b>	<b>8281</b>
<b>PORT ADDRESS:</b> ONE SITCUM PLAZA	<b>TACOMA, WA 98401-1837</b>				

**6556**  
**C12.1**  
SHEET 35 OF 53

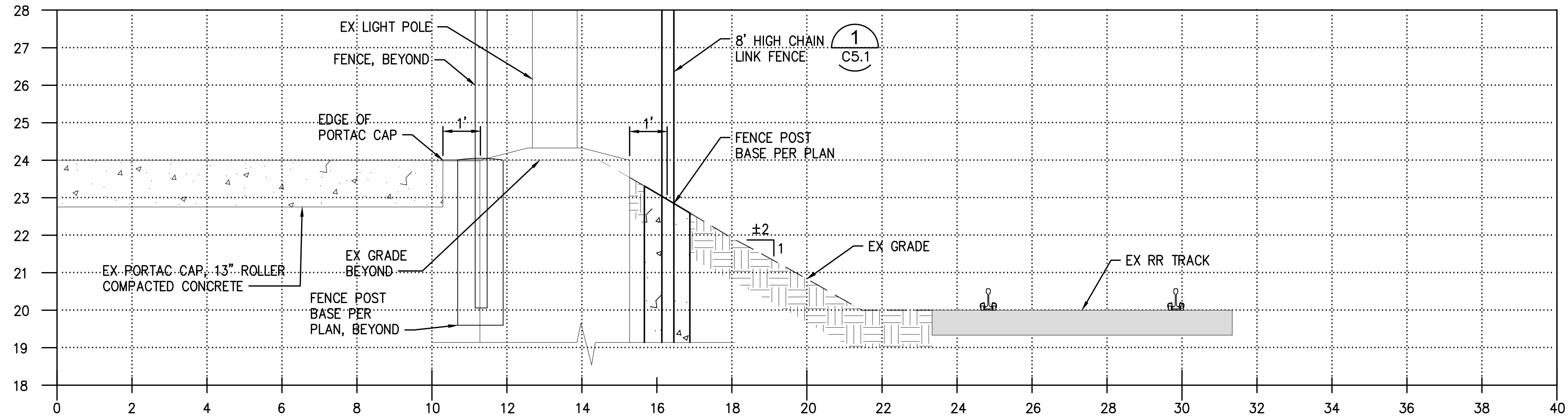
**PCT TRUCK STAGING**  
**PORTAC**  
**DETAILS**

<b>CON/CONS:</b> 070287	<b>TOWNSHIP:</b> 20N	<b>RANGE:</b> 03E	<b>SECTION:</b> 01	<b>AS NOTED</b>
<b>M. ID:</b>	<b>DAT-HRZ:</b>	<b>VERT:</b>	<b>DRAWING SCALE:</b>	<b>AS NOTED</b>
<b>PHASE:</b> CONFORMED	<b>PARCEL:</b> 5000350150			

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**A** FENCE SECTION  
C11.1 SCALE: 1" = 2'



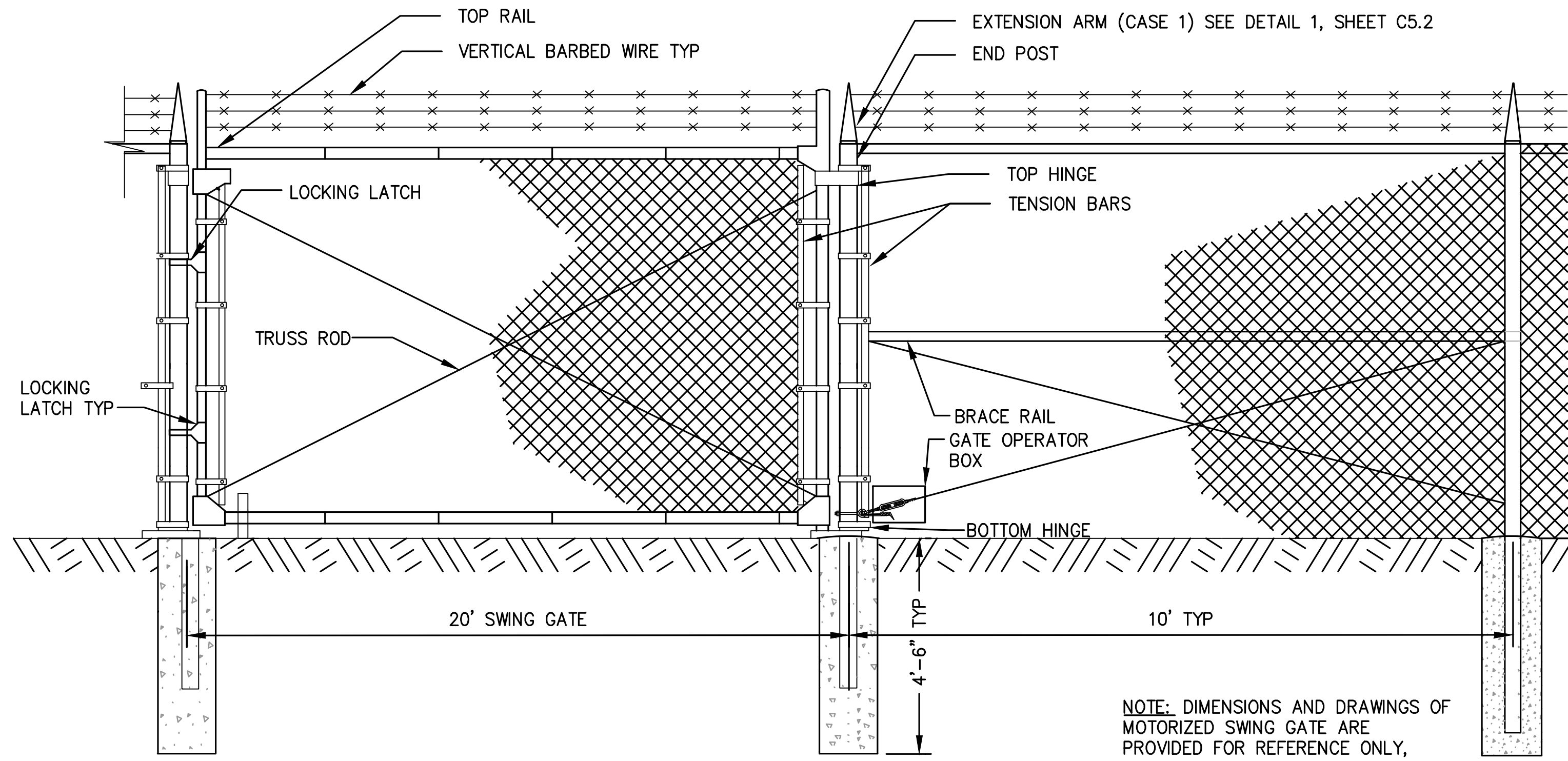
**B** FENCE SECTION  
C11.2 SCALE: 1" = 2'

<p>6556 <b>C12.2</b> SHEET 36 OF 53</p>	<p><b>PCT TRUCK STAGING</b> <b>PORTAC</b> SITE SECTIONS</p>		<p>APPROVED:</p>	<p>SWK 05/20/2016 CHECKED BY: DATE</p>
	<p>CONT/CONS: 070287 M. ID: PHASE: CONFORMED</p>	<p>RANGE: 03E SECTION: 01 TOWNSHIP: 20N DAT-HRZ: VERT:</p>	<p>DIRECTOR ENG. DATE PRINTED BY: rchandler JUL 08, 2016 PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837</p>	<p>RGC 05/20/2016 PROJ. ENGR DATE</p>
<p>CONFORMED SET - ISSUED FOR CONSTRUCTION</p>				<p>Port of Tacoma 2407 North 31st Street, Suite 100 Tacoma, Washington 98407 (253) 396-0150 Fax (253) 396-0162 P.O. BOX 1837 TACOMA, WA 98401</p>
		<p>MARK: REVISION:</p>	<p>BY:</p>	<p>APPR: DATE:</p>

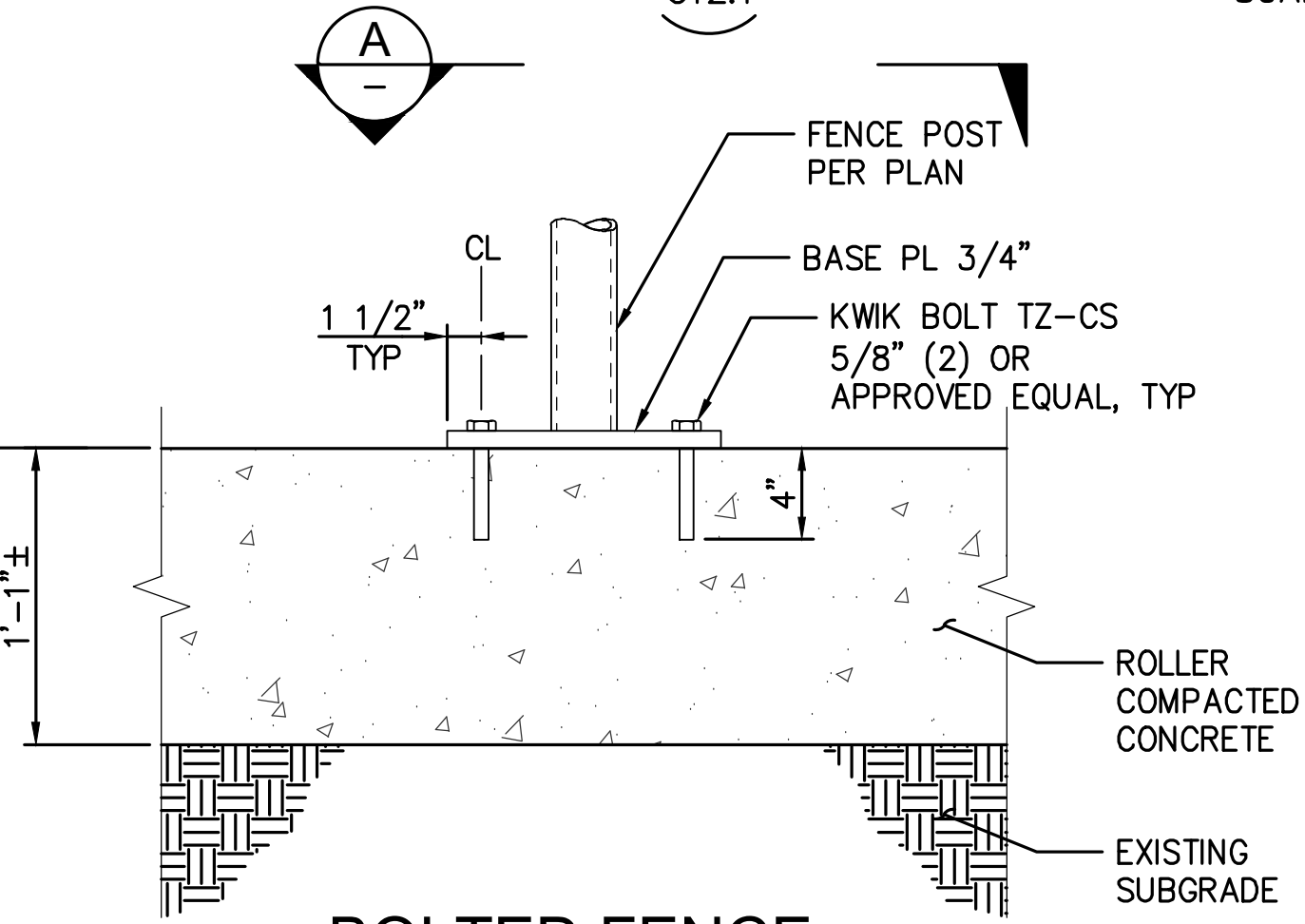
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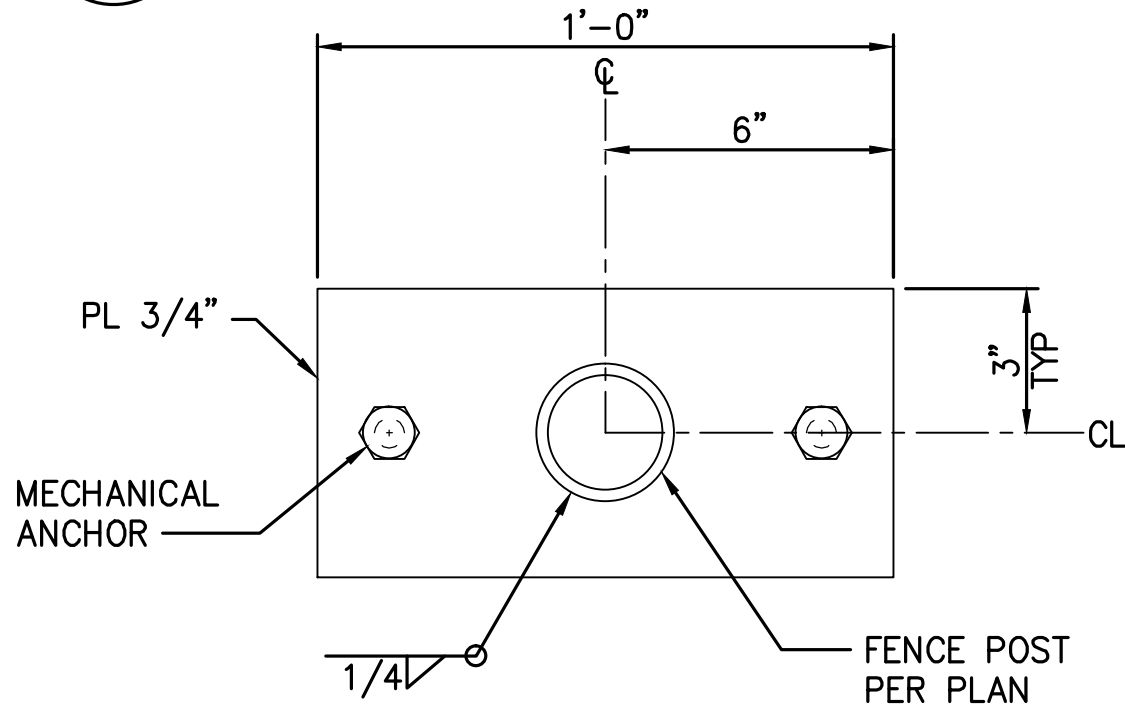
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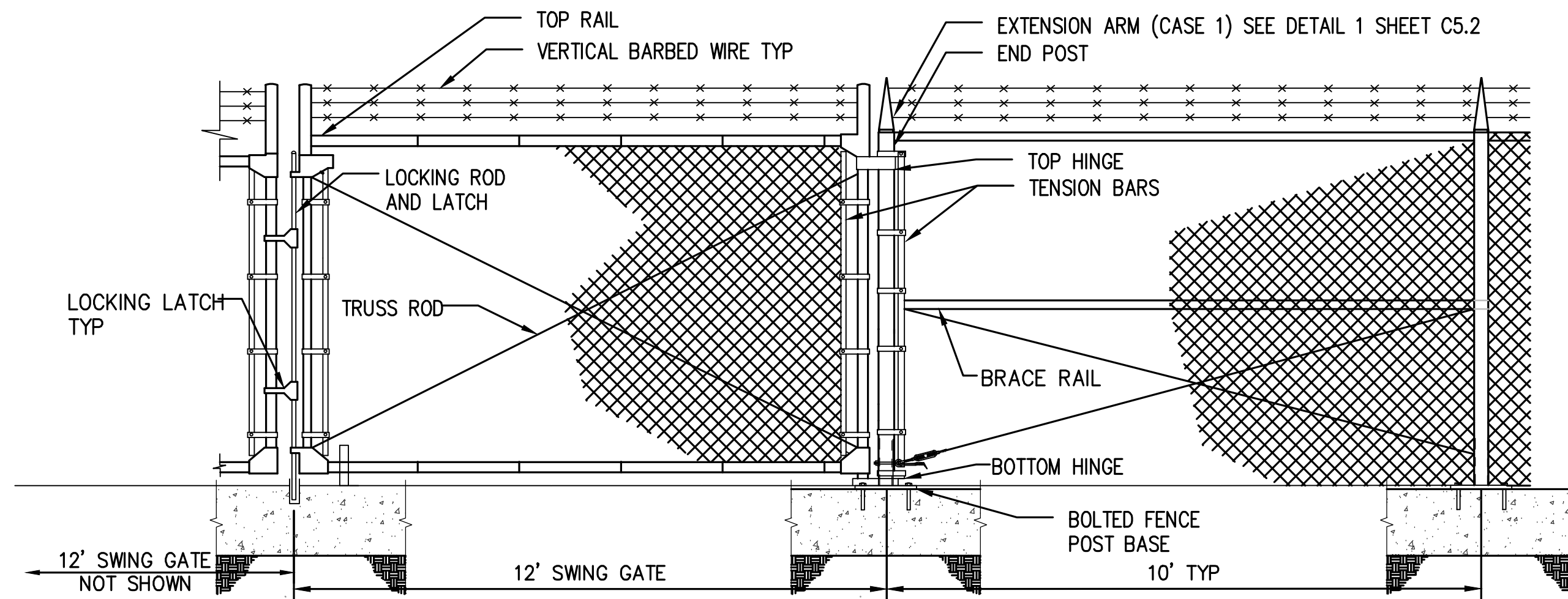
**1** MOTORIZED CHAIN LINK GATE WITH CARD READERS, 20 FT-PORTAC DETAIL  
C12.1 SCALE: NTS



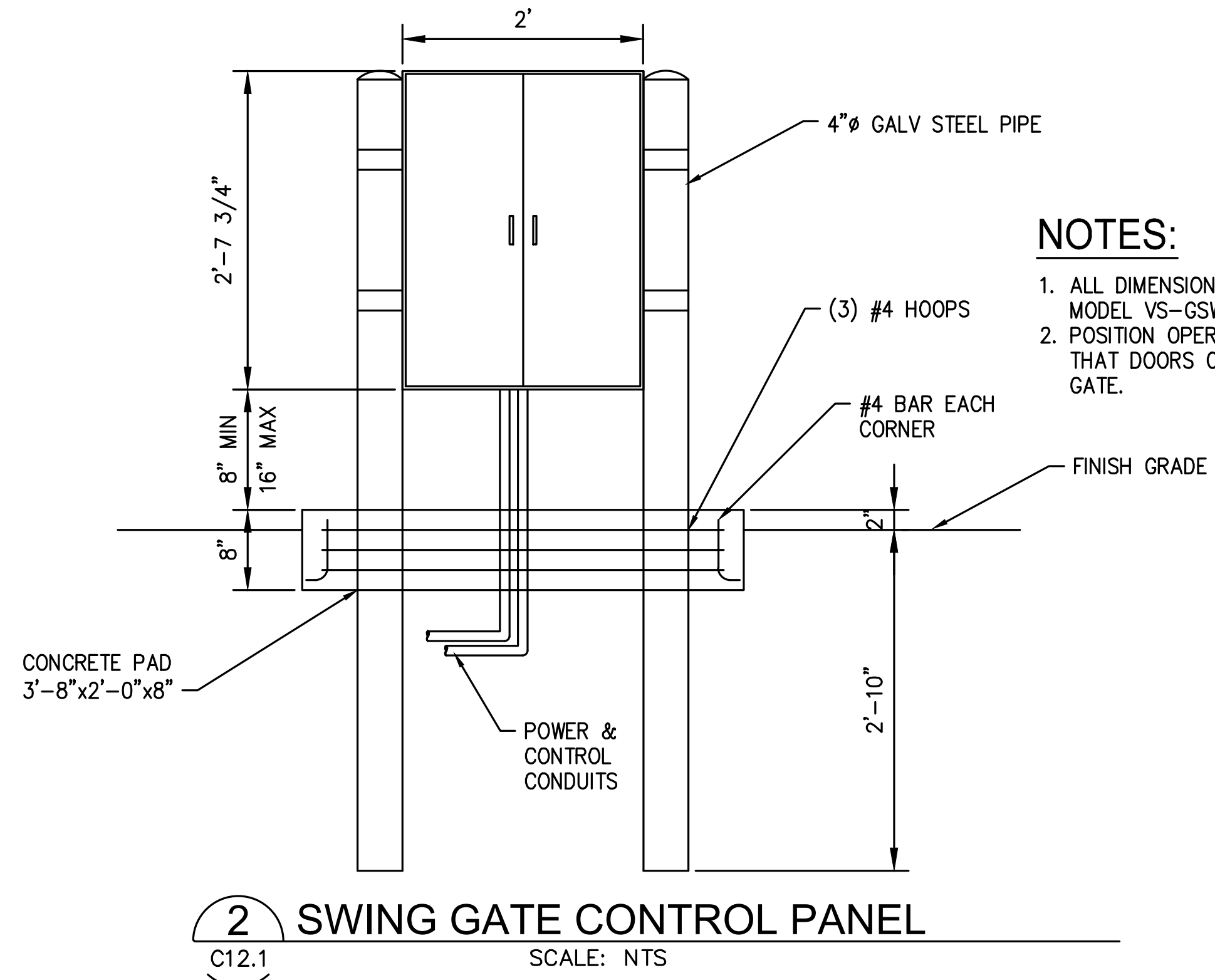
**3** BOLTED FENCE POST BASE DETAIL  
C11.1-C11.3, C12.3 SCALE: 1-1/2" = 1'-0"



**A** BOLTED FENCE POST BASE SECTION  
SCALE: 3" = 1'-0"

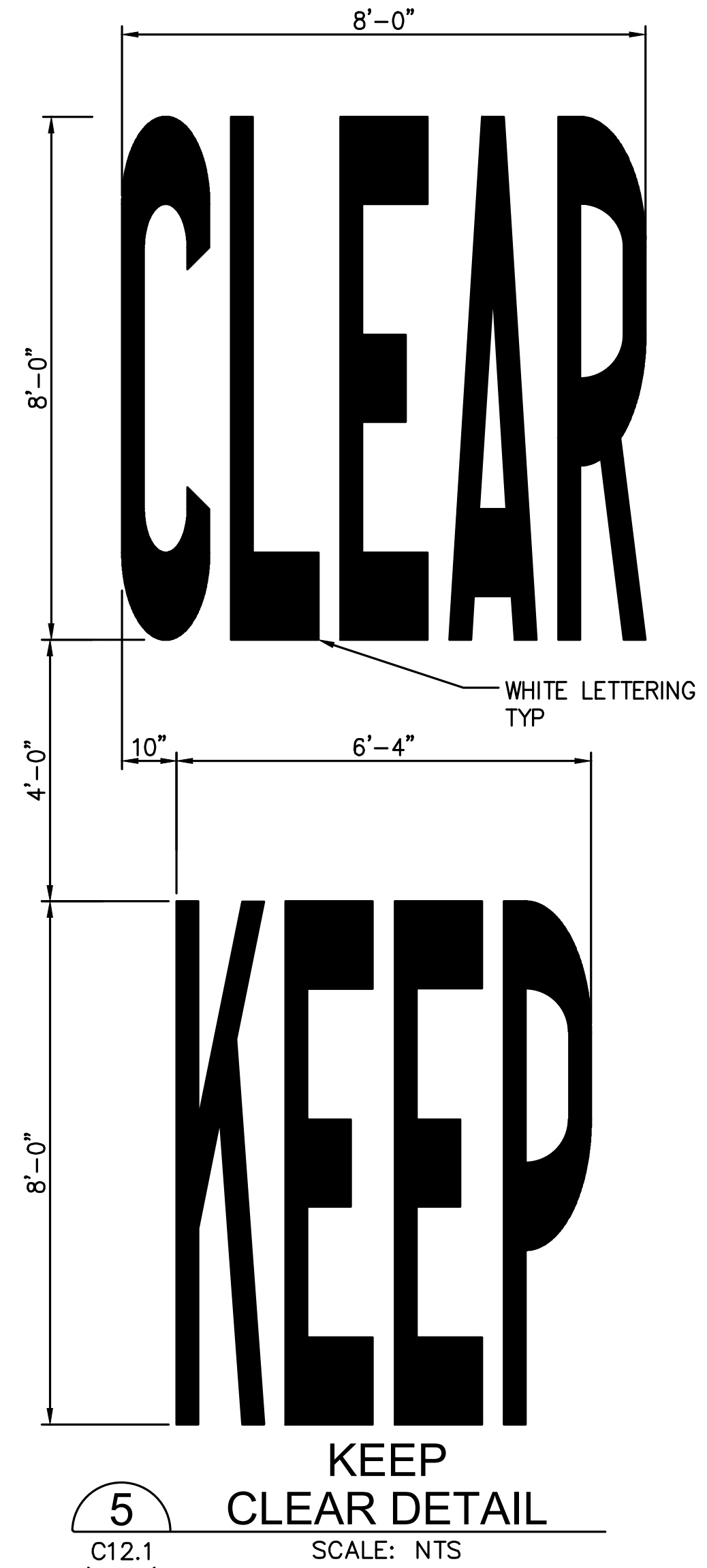


**4** MANUAL CHAIN LINK SWING GATE, 24 FT-PORTAC DETAIL  
C11.1 SCALE: NTS



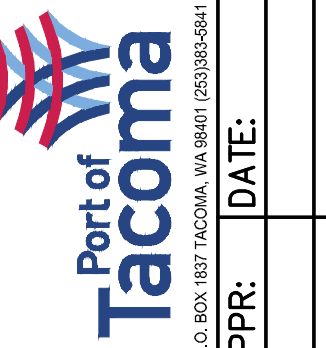
**2** SWING GATE CONTROL PANEL  
C12.1 SCALE: NTS

- NOTES:**
1. ALL DIMENSIONS BASED ON LINEAR MODEL VS-GSWG OPERATOR.
  2. POSITION OPERATOR CABINET SO THAT DOORS OPEN AWAY FROM GATE.



**5** KEEP CLEAR DETAIL  
C12.1 SCALE: NTS

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NO. 17876  
7/8/16



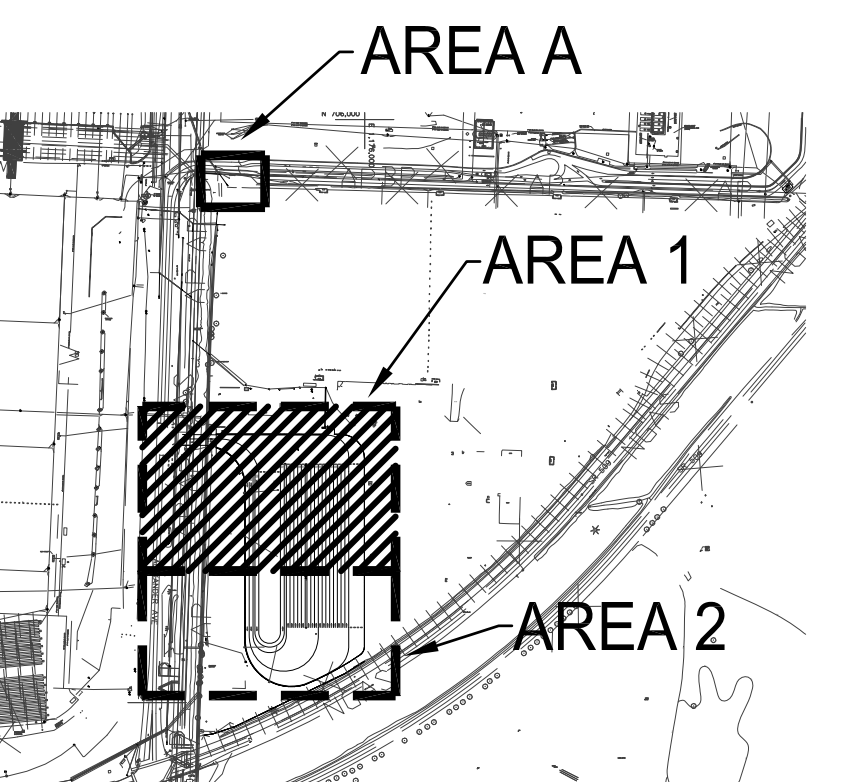
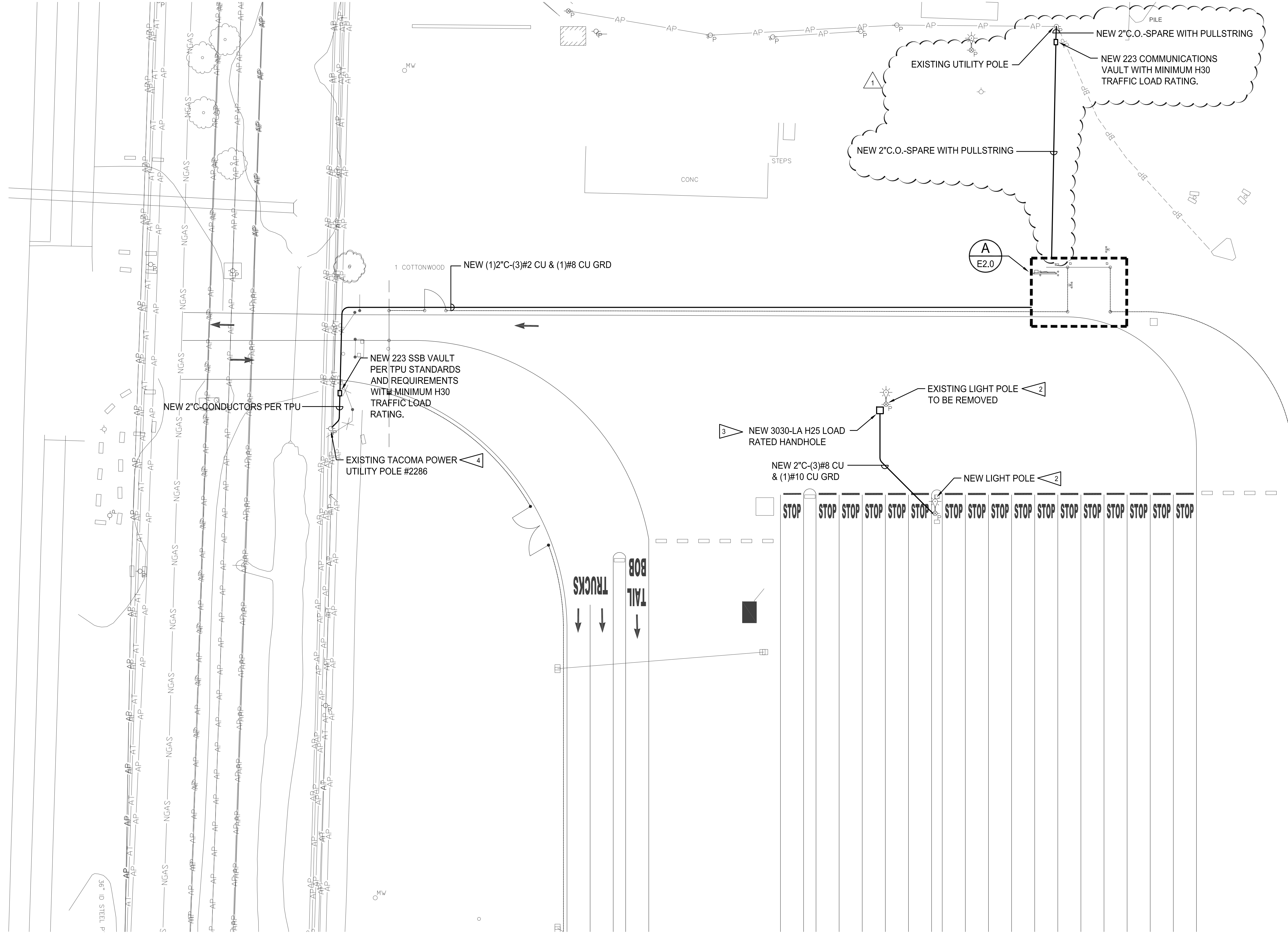
APPROVED:	SWK	05/20/2016
CHECKED BY:	DATE	
DIRECTOR ENG. DATE	PROJ. ENGR	DATE
PRINTED BY: rchandler	JUL 08, 2016	
PORT ADDRESS: ONE SITCUM PLAZA TACOMA, WA 98401-1837		

PCT TRUCK STAGING PORTAC DETAILS	RANGE: 03E	SECTION: 01
	TOWNSHIP: 20N	DATE-HRZ:
	PARCEL: 5000350150	DRAWING SCALE: AS NOTED
	PHASE: CONFORMED	

6556	<b>C12.3</b>
SHEET 37 OF 53	
CONTR/CONS: 070287	
M. ID:	
PHASE: CONFORMED	

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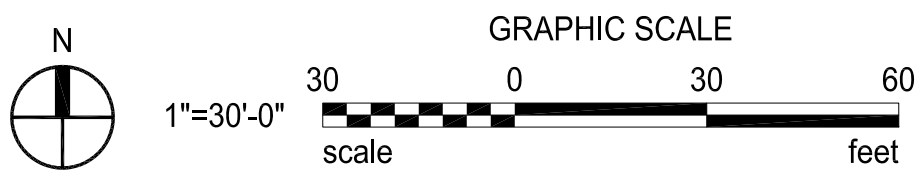




**KEY PLAN**  
NOT TO SCALE

IF SHEET IS LESS THAN 22" x 34" IT IS A REDUCED SET

**PARTIAL ELECTRICAL SITE PLAN**  
SCALE: 1" = 30'-0"



- GENERAL NOTES:**
1. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 80 PVC. ALL EXPOSED ABOVE GRADE CONDUIT SHALL BE PVC COATED RIGID STEEL.
  2. METALLIC CONDUITS, COUPLINGS AND JOINTS OF METALLIC CONDUITS EMBEDDED IN CONCRETE, CDF, EARTH OR ASPHALT SHALL BE 1/2 LAP TAPED OR OTHERWISE MADE WATERTIGHT TO PREVENT INTRUSION OF MORTAR, WATER OR OTHER MATERIALS.
  3. ALL CONDUIT SHOWN IS BELOW GRADE UNLESS NOTED OTHERWISE. SEE DETAIL B, E2.0 FOR TRENCHING REQUIREMENTS.
  4. STORM DRAIN MANHOLES, ELECTRICAL/COMMUNICATION VAULTS, AND CATCH BASINS SHALL BE DESIGNED AND CONSTRUCTED WITH FLAT SLAB TOPS AND SHALL BE CONFIGURED TO ACCEPT FUTURE ADDITION OF A MINIMUM 4" RISER SECTION BETWEEN LID OR GRATE OR TOP OF STRUCTURE.
- ELECTRICAL NOTES:**
1. CONTRACTOR SHALL DISCONNECT EXISTING POWER CIRCUIT FROM LIGHT POLE. REMOVE EXISTING DISCONNECT, LIGHTING CONTACTOR AND LIGHT FIXTURES.
  2. NEW 95'-0", 80'-0" ABOVE GRADE, CLASS 2, DOUGLAS FIR, PENTA TREATED, WOOD LIGHT POLE. CONTRACTOR SHALL PROVIDE NEW 30A, 480V, 3PH, FUSED DISCONNECT AND CONNECT TO NEW CONDUIT AND CONDUCTORS. REINSTALL EXISTING LIGHTING CONTACTOR AND PHOTOCELL ON NEW WOOD POLE. CONNECT TO EIGHT(8) NEW LIGHT FIXTURES MOUNTED ON POLE.
  3. CONTRACTOR SHALL INTERCEPT EXISTING CONDUIT AT EXISTING LIGHT POLE LOCATION AND EXTEND INTO NEW HANDHOLE. PROVIDE WATERTIGHT SPLICE OF EXISTING AND NEW CONDUCTORS IN HANDHOLE.
  4. EXISTING TACOMA POWER UTILITY POLE WITH NEW POLE MOUNTED TRANSFORMER TO SERVE NEW GATE ELECTRICAL SERVICE. PROVIDE CONDUIT POLE RISER AT EXISTING UTILITY POLE PER TACOMA POWER STANDARDS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR BRUSH OUT AROUND UTILITY POLE FOR INSTALLATION OF CONDUIT AND 223 SSB VAULT.

**CONFORMED SET - ISSUED FOR CONSTRUCTION**

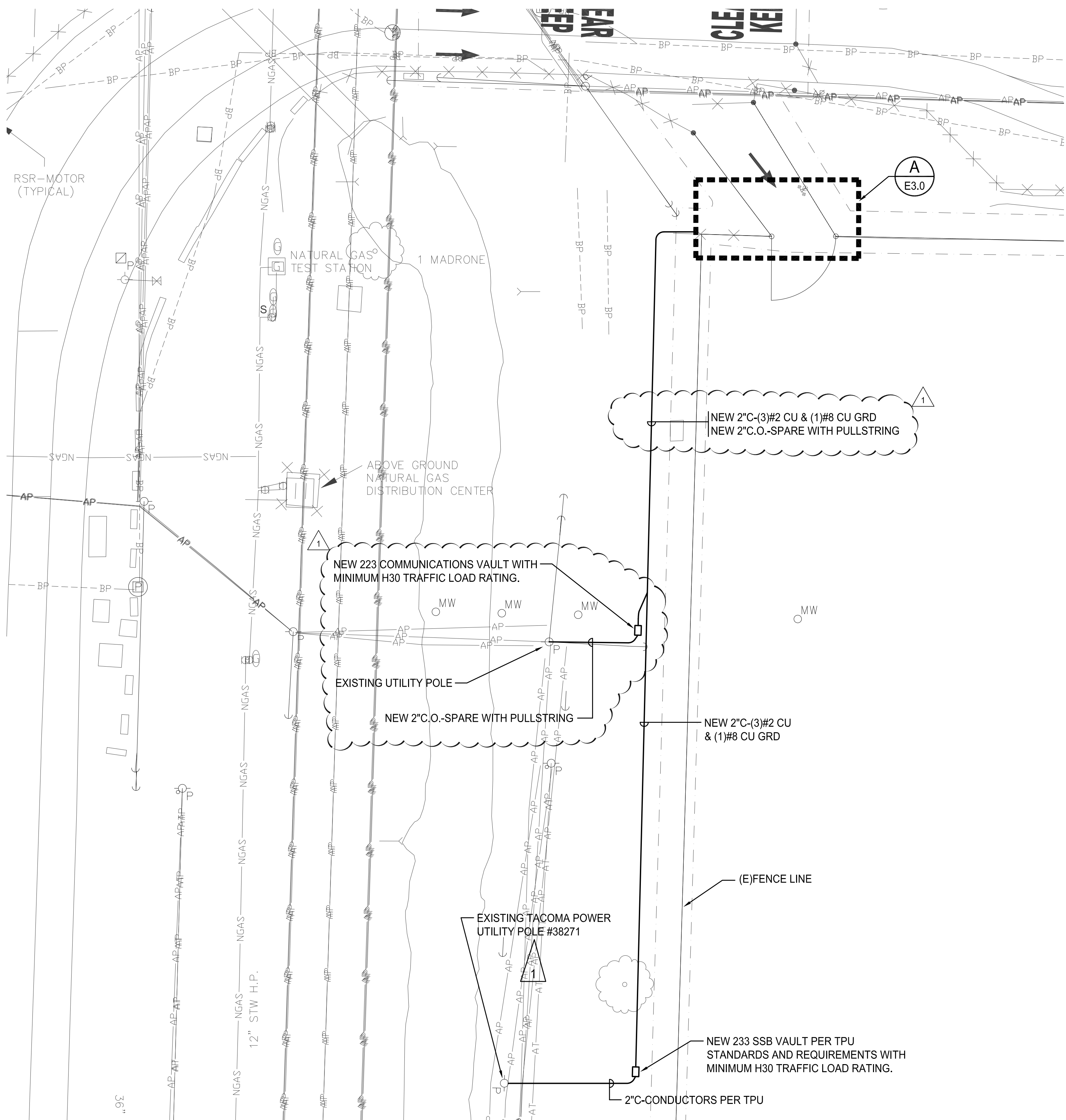
6556	<b>E1.0</b>	<b>PCT TRUCK STAGING</b>	APPROVED:	SLH	07/08/2016
SHEET 38 OF 53		PCT PARTIAL ELECTRICAL SITE PLAN - AREA 1	CHECKED BY:	GLW	07/08/2016
CONT/CONS: 070287	TOWNSHIP: 20N	RANGE: 03E	DIRECTOR ENG. DATE:	ScotHK	Jul 08, 2016
M. ID:	DAT-HRZ:	VERT:	PRINTED BY:	ONE SITCUM PLAZA	TACOMA, WA 98401-1837
PHASE: CONFORMED	PARCEL: 5000350150	DRAWING SCALE: AS NOTED	PORT ADDRESS:		

CROSS ENGINEERS, INC  
2005 1st Avenue  
Tacoma, WA 98406  
Info@crossengineers.com

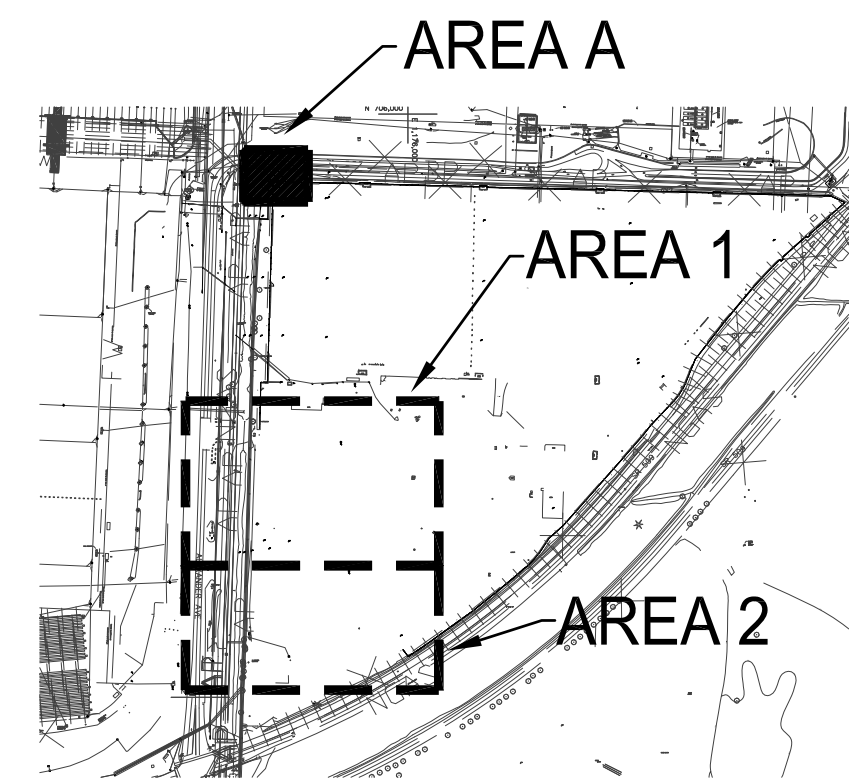
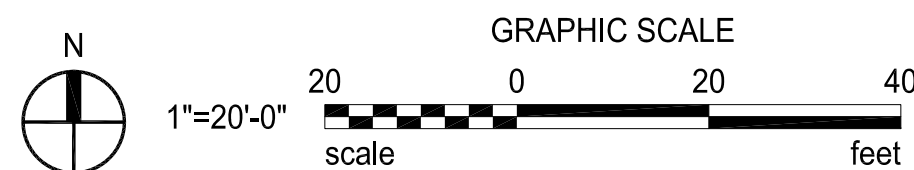
STEVEN L. HIBBS  
WASHINGTON STATE PROFESSIONAL ENGINEER  
No. 10000  
7/8/16

MARK: REVISION: ADDENDUM #1  
BY: SJK  
DATE: 6/14/16

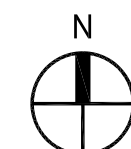
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**PARTIAL ELECTRICAL SITE PLAN**  
SCALE: 1" = 20'-0"



**KEY PLAN**  
NOT TO SCALE



EXISTING TACOMA POWER UTILITY POLE WITH NEW POLE MOUNTED TRANSFORMER TO SERVE NEW GATE ELECTRICAL SERVICE. PROVIDE CONDUIT POLE RISER AT EXISTING UTILITY POLE PER TACOMA POWER STANDARDS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR BRUSH OUT AROUND UTILITY POLE FOR INSTALLATION OF CONDUIT AND 223 SSB VAULT.

**ELECTRICAL NOTES:**

- GENERAL NOTES:**
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  2. METALLIC CONDUITS, COUPLINGS AND JOINTS OF METALLIC CONDUITS EMBEDDED IN CONCRETE, CDF, EARTH OR ASPHALT SHALL BE 1/2 LAP TAPED OR OTHERWISE MADE WATERTIGHT TO PREVENT INTRUSION OF MORTAR, WATER OR OTHER MATERIALS.
  3. ALL CONDUIT SHOWN IS BELOW GRADE UNLESS NOTED OTHERWISE. SEE DETAIL B, E2.0 FOR TRENCHING REQUIREMENTS.
  4. STORM DRAIN MANHOLES, ELECTRICAL/COMMUNICATION VAULTS, AND CATCH BASINS SHALL BE DESIGNED AND CONSTRUCTED WITH FLAT SLAB TOPS AND SHALL BE CONFIGURED TO ACCEPT FUTURE ADDITION OF A MINIMUM 4" RISER SECTION BETWEEN LID OR GRATE OR TOP OF STRUCTURE.

6556

**E1.1**  
SHEET 39 OF 53

CONT/CONS: 070287  
M. ID:  
PHASE: CONFORMED

PCT TRUCK STAGING

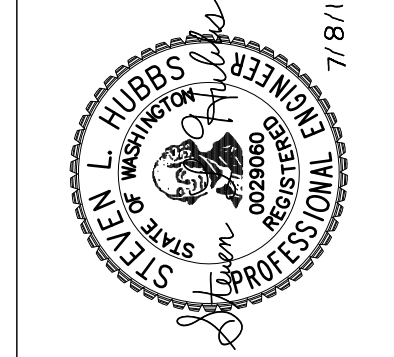
PORTAC PARTIAL ELECTRICAL SITE PLAN - AREA A

TOWNSHIP: 20N RANGE: 03E SECTION: 01  
DATE-HRZ: VERT:  
PARCEL: 5000350150 DRAWING SCALE: AS NOTED

APPROVED:

SLH	07/08/2016
CHECKED BY	DATE
GLW	07/08/2016
PROJ. ENGR	DATE
DIRECTOR ENG.	DATE
PRINTED BY:	ScotHK Jul 08, 2016
PORT ADDRESS:	ONE SITCUM PLAZA TACOMA, WA 98401-1837

07/08/2016



**CROSS ENGINEERS, INC**  
2000 1st Avenue  
Tacoma, WA 98402  
Phone: 253.765.9191  
Job Number: 16-002

**Port of Tacoma**  
P.O. BOX 1837 TACOMA, WA 98401 (253)838-5441

MARK:	REVISION:	BY:	DATE:
▲	▲	SJK	6/14/16
▲	▲	GLW	6/14/16





# PORT OF TACOMA DRIVEWAY AND CHANNELIZATION IMPROVEMENTS

ALEXANDER AVENUE  
TACOMA, WASHINGTON

ITEMS	TO BUILD	EXISTING	ITEMS	TO BUILD	EXISTING
CEMENT CONCRETE PAVEMENT			COMBINATION POLE		
ASPHALTIC CONCRETE PAVEMENT			TELEPHONE POLE		
CEMENT CONCRETE SIDEWALK			GUY POLE		
CEMENT CONCRETE CURB			ANCHOR OR DEADMAN		
STORM SEWER			CONDUIT		
SANITARY SEWER			TREE		
MANHOLE			WIRE FENCE		
INLET OR CATCH BASIN			WOOD FENCE		
TELEPHONE CONDUIT			MONUMENT		
GAS MAIN			ROCK WALL		
GAS SERVICE			RETAINING WALL		
WATER MAIN			PROFILE CENTER LINE		
WATER SERVICE			PROFILE LINE, RIGHT		
HYDRANT			PROFILE LINE, LEFT		
WATER GATE			CULVERT PIPE		
ORNAMENTAL LIGHT			MONUMENT LINE		
POWER POLE			CONSTRUCTION CENTER LINE		

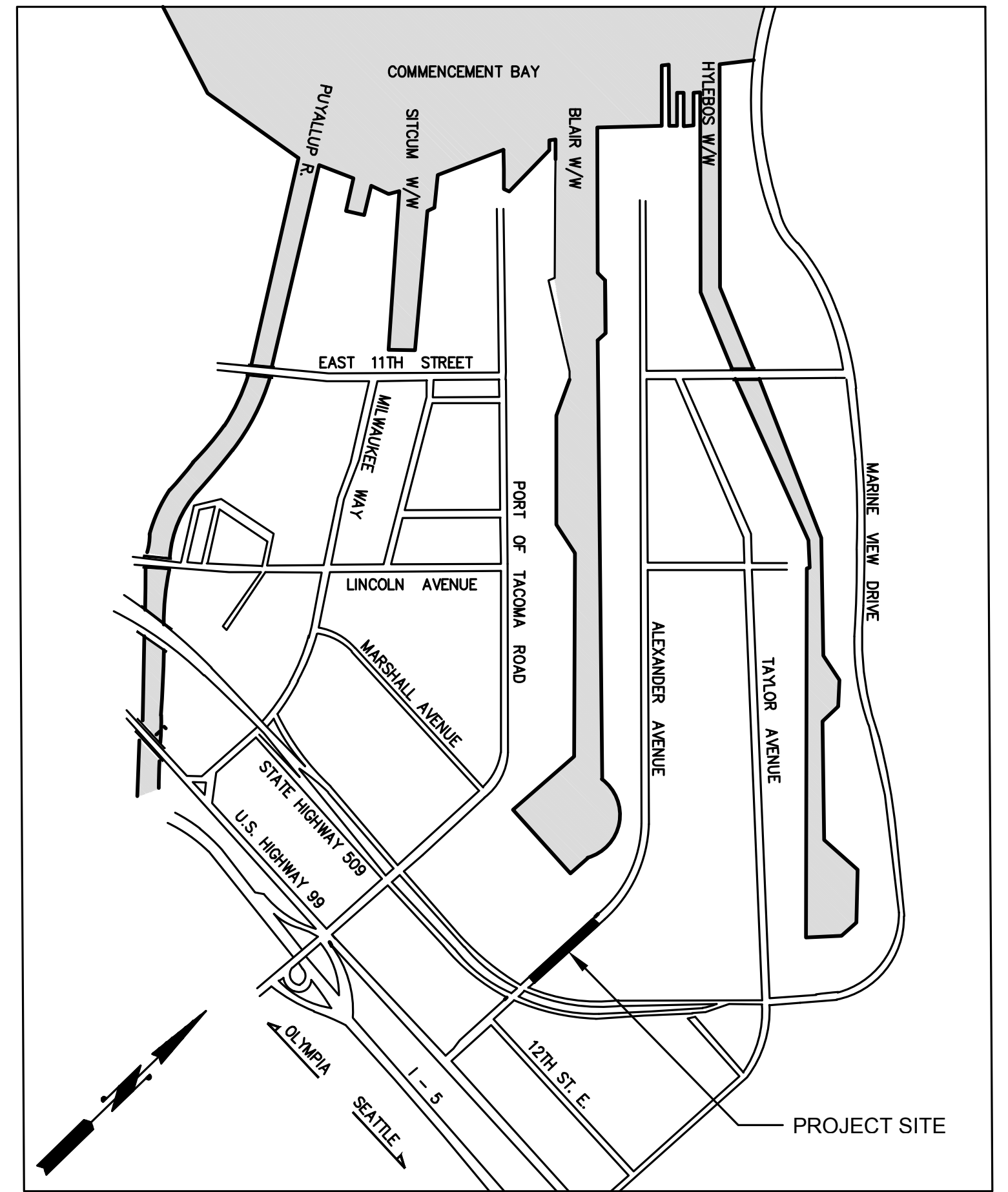
## ABBREVIATIONS

BC	BOTTOM OF CURB
BW	BACK OF WALK
C&G	CURB & GUTTER
CB	CATCH BASIN
CL	CENTERLINE
CO	CLEANOUT
CONC	CONCRETE
CONST	CONSTRUCTION
DIA, Ø	DIAMETER
DIP	DUCTILE IRON PIPE
D/W	DRIVEWAY
E	EAST, EASTING
EX/EXIST	EXISTING
FF	FINISH FLOOR
FL	FLOW LINE
HP	HIGH POINT
IE	INVERT ELEVATION
LF	LINEAR FOOT
LT	LEFT
LP	LOW POINT
MECH	MECHANICAL
MH	MANHOLE
N	NORTH, NORTHING
NTS	NOT TO SCALE
P	POWER
PC	POINT OF CURVATURE
PCC	POINT OF COMBINED CURVATURE
P, P/L	PROPERTY LINE
PRC	POINT OF REVERSED CURVATURE
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE/POINT OF VERTICAL CURB
R	RADIUS
RT	RIGHT
RTO	RETURN TO OWNER
R/W	RIGHT-OF-WAY
S	SOUTH
SD	STORM DRAIN
SS	SANITARY SEWER
STA	STATION
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TYP	TYPICAL
U	UNDERGROUND
W	WATER/WEST
W/W	WITH
Ø	AT

## GENERAL PLAN NOTES

- COORDINATE ALL WORK WITH ON-SITE DOCUMENTS FOR BUILDING PERMITS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH AND SAFETY OF THE PUBLIC. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE NOTIFICATION AND COORDINATION WITH THE CITY OF TACOMA.
- ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2010 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS MODIFIED FOR USE BY THE CITY OF TACOMA AND THE CITY OF TACOMA STANDARD PLANS.
- A COPY OF THE APPROVED PLANS AND SPECIFICATIONS SHALL BE ON-SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF UTILITIES BY CONTACTING A UTILITY LOCATE SERVICE AND SHALL PROVIDE SUFFICIENT NOTIFICATION TO THE AFFECTED UTILITY COMPANIES PRIOR TO STARTING WORK. COORDINATE WORK FOR EXISTING UTILITIES WITH CONTACTS SHOWN IN THE UTILITY CONTACTS TABLE. CONTACT UNDERGROUND UTILITIES LOCATION AT 1-800-424-5555 AT LEAST 48 HOURS BEFORE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE TACOMA FIRE DEPARTMENT (253) 591-5737 24 HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE FIRE DEPARTMENT OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
- THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS ON ALL AFFECTED STREETS AT ALL TIMES.
- MAINTAIN AND PROTECT ALL MANHOLES, CATCH BASINS, FIRE HYDRANTS, MONITORING WELLS, WATER VALVES, PIPING, SURVEY MONUMENTS, TRAFFIC CONTROL BOXES, WATER METERS AND ENGINEER OTHER IMPROVEMENTS UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY THE CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO THE OWNER.
- THESE PLANS ARE APPROVED FOR CONSTRUCTION FOR A PERIOD OF 24 MONTHS FROM THE DATE OF CITY APPROVAL. THE CITY RESERVES THE RIGHT TO REQUIRE REVISIONS, ADDITIONS, DELETIONS, OR MODIFICATIONS SHOULD CONSTRUCTION BE DELAYED BEYOND THIS TIME LIMITATION OR IF FIELD CONDITIONS ARE DIFFERENT FROM WHAT IS DEPICTED ON THESE PLANS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CRITERIA OF THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK AND RIGHT-OF-WAY DESIGN MANUAL. CONTACT PUBLIC WORKS TRAFFIC ENGINEER, PHONE # (253) 591-5554 FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS FOR THIS PROJECT. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VERIFY ALL UTILITY POINTS OF CONNECTIONS TO EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCY.
- EXCAVATED MATERIAL MEETING PROJECT SPECIFICATIONS MAY BE USED FOR BACKFILL. NO STOCKPILING OF EXCAVATED MATERIAL IS ALLOWED WITHIN THE PROJECT LIMITS.
- THE CONSTRUCTION BASELINE ON THE PLANS IS LOCATED ON THE EXISTING CENTERLINE OF RIGHT-OF-WAY FOR S. 12TH ST., MARTIN LUTHER KING JR. WAY AND THE ALLEY; ALL DIMENSIONS, STATIONS AND OFFSETS ARE BASED ON THE CONSTRUCTION BASELINE UNLESS NOTED OTHERWISE.
- LIMITS OF PAVEMENT CURB, AND SIDEWALK REMOVAL SHOWN ON THE PLAN FOR BID PURPOSES. EXACT SAWCUT AND PAVEMENT REMOVAL LIMITS WILL BE DETERMINED BY THE CITY OF TACOMA CONSTRUCTION INSPECTOR IN THE FIELD.
- ALL SIDEWALKS AND CURB RAMP CONSTRUCTION SHALL BE CONSTRUCTED TO THE MAXIMUM EXTENT FEASIBLE IN ACCORDANCE TO THE ADA STANDARDS FOR ACCESSIBLE DESIGN, 28 CFR, PART 35.
- REMOVE AND REPLACE ALL BROKEN, DAMAGED, OR HAZARDOUS SIDEWALK, CURB AND GUTTER, AND DRIVEWAYS.
- RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF TACOMA ROW RESTORATION POLICY AS ADOPTED JUNE 2, 2009.
- THE ENGINEER OF RECORD SHALL PROVIDE AN ENGINEER'S CERTIFICATION TO THE CITY OF TACOMA AFTER FACILITY INSTALLATION AND PRIOR TO PERMIT FINAL INSPECTION AND/OR CLOSURE. THE ENGINEER'S CERTIFICATION SHALL INCLUDE:
  - THE PERMIT NUMBER
  - STATEMENTS TO ATTEST:
    - THAT ALL STORMWATER FACILITIES HAVE BEEN INSTALLED ACCORDING TO THE APPROVED PERMIT DOCUMENTS. CHANGES TO THE APPROVED PERMIT SET THAT ARE REQUIRED DURING CONSTRUCTION SHALL BE SUBMITTED TO BLUS FOR ESSE TO REVIEW AND APPROVAL DURING THE CONSTRUCTION PHASE AND PRIOR TO THE CHANGE BEING CONSTRUCTED.
    - AS-BUILT DRAWINGS HAVE BEEN PROVIDED TO THE CITY ELECTRONICALLY. THESE SHALL BE PROFESSIONALLY DRAFTED ENGINEERING DRAWINGS THAT ARE STAMPED, SIGNED, AND DATED BY A WASHINGTON STATE LICENSED ENGINEER. THE DRAWINGS MUST ACCURATELY REPRESENT THE PROJECT AS CONSTRUCTED.
    - THE OPERATIONS AND MAINTENANCE MANUAL IS LOCATED ONSITE.

THE ENGINEER'S CERTIFICATION SHALL BE SUBMITTED TO ENVIRONMENTAL SERVICES / PLAN REVIEW LEAD/ 326 EAST D STREET / TACOMA, WA 98421. FOR SITE AND BUILDING PERMITS SEND A COPY OF THE CERTIFICATION TO BUILDING AND LAND USE SERVICES 747 MARKET STREET, ROOM 345, TACOMA, WA 98402.



VICINITY MAP

NTS

## GENERAL CONSTRUCTION SEQUENCE:

- ARRANGE NECESSARY PRE-CONSTRUCTION MEETINGS WITH THE CITY OF TACOMA CONSTRUCTION DIVISION AND BUILDING AND LAND USE SERVICE, TACOMA POWER, TACOMA WATER, ARCHITECT, AND ENGINEER.
- STAKE PROJECT LIMITS PRIOR TO BEGINNING CONSTRUCTION.
- NOTIFY CITY INSPECTOR IN WRITING ABOUT SCHEDULED UTILITY AND ROAD CLOSURES AT LEAST 14 DAYS PRIOR TO CONSTRUCTION.
- DAMAGE TO ANY OF THE PUBLIC UTILITIES AS A RESULT OF THE CONSTRUCTION OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR.
- INSTALL ALL APPLICABLE TESC FACILITIES PER BUILDING PERMIT PLANS. MAINTAIN ALL TESC FACILITIES DURING THE LENGTH OF THE CONSTRUCTION PROCESS. ADDITIONAL FACILITIES MAY BE REQUIRED AS FIELD CONDITIONS WARRANT.
- DEMOLISH UTILITIES PER APPROVED PLANS. COORDINATE UTILITY DISRUPTIONS WITH UTILITY PROVIDERS AND ADJACENT PROPERTY OWNERS AT LEAST 10 DAYS PRIOR TO CONSTRUCTION.
- COORDINATE INSTALLATION OF UTILITIES WITH UTILITY PROVIDERS, KEEPING COMMUNITY HEALTH CARE, ARCHITECT AND ENGINEER INFORMED OF ALL TASKS.
- INSTALL ALL NEW PAVEMENT, CHANNELIZATION AND SIGNAGE.
- REMOVE TESC FACILITIES ONLY AFTER OBTAINING FINAL APPROVAL FROM CITY INSPECTOR.
- TRAFFIC TO REMAIN OPEN ON ALEXANDER AVENUE DURING CONSTRUCTION.

## ELEVATION DATUM

VERTICAL DATUM: CITY OF TACOMA (NGVD 29)  
BENCHMARK: 3 INCH BRASS DISK ON MILWAUKEE WAY, SOUTH OF E. 11TH AVENUE.  
BENCHMARK NO. 2863  
ELEVATION = 12.117'

## BASIS OF BEARING

BASIS OF BEARINGS FOR THIS SURVEY IS THE CITY OF TACOMA DATUM, NAD 83(91) WASHINGTON SOUTH ZONE (3602).

## SHEET INDEX:

- COVER SHEET
- SURVEY
- SURVEY
- DEMOLITION & TESC PLAN
- DEMOLITION & TESC PLAN
- TESC DETAILS
- PAVING AND UTILITY PLAN
- CHANNELIZATION & SIGNAGE PLAN
- CHANNELIZATION & SIGNAGE PLAN
- STREET SECTIONS & DRIVEWAY DETAILS
- DETAILS
- WORK ORDER GENERAL NOTES

## TRAFFIC CONTROL NOTES

LOCATION: ALEXANDER AVENUE  
THE FOLLOWING SPECIAL TRAFFIC CONTROLS SHALL SUPPLEMENT SECTION 1-07.23 OF THE STANDARD SPECIFICATIONS.

- BIDIRECTIONAL TRAFFIC TO MAINTAINED ON ALEXANDER AVENUE THROUGHOUT THE DURATION OF PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A TRAFFIC CONTROL PLAN TO THE CITY THAT MEETS THE CITY OF TACOMA TRAFFIC CONTROL HANDBOOK AND RIGHT-OF-WAY DESIGN MANUAL. CONTACT TRAFFIC DEPARTMENT, PHONE NUMBER (253) 591-5554. FOR SPECIFIC TRAFFIC CONTROL REQUIREMENTS FOR THIS PROJECT. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AND APPROVED PRIOR TO COMMENCING WORK.
- WHEN NECESSARY, AND JUSTIFIED, SINGLE LANES OF TRAFFIC MAY BE CLOSED DURING SPECIFIED HOURS OF THE DAY. THE DETERMINATION OF THESE HOURS SHALL BE IN CONSULTATION WITH AND SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER AND PORT OF TACOMA. PROVIDED THAT LOCAL ACCESS IS MAINTAINED AT ALL TIMES WITH A MINIMUM OF A 12-FOOT WIDE ACCESS LANE FOR EACH DIRECTION OF TRAFFIC. THE CONTRACTOR SHALL COORDINATE ANY LANE CLOSURES AND COOPERATE WITH THE VARIOUS BUSINESSES AND/OR RESIDENCES ADJACENT TO THE PROJECT SITE. A MINIMUM OF ONE ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES AND DRIVEWAYS ON ALEXANDER AVENUE AT ALL TIMES.

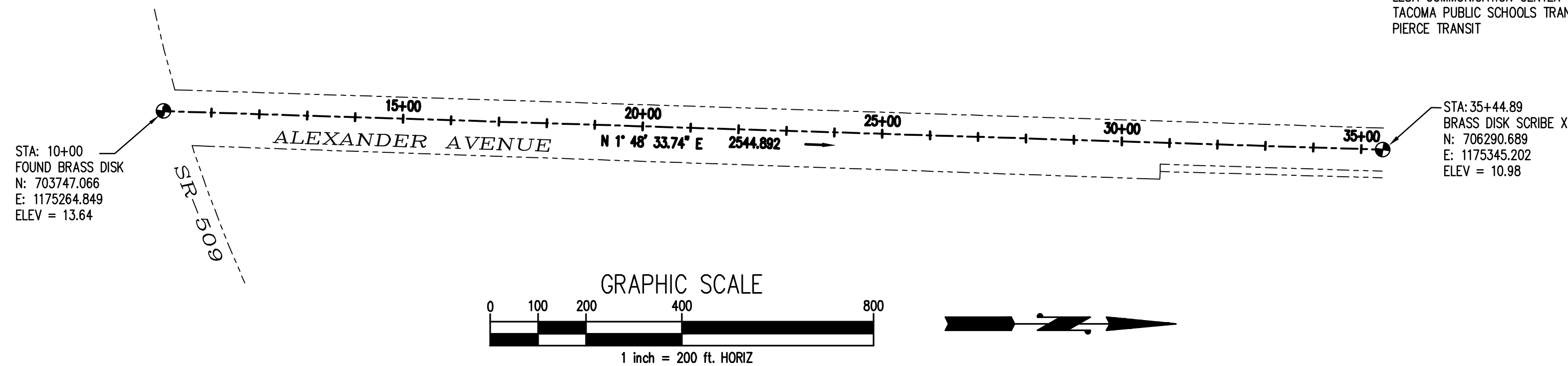
THREE (3) WORKING DAYS PRIOR TO ANY LANE CLOSURE, THE CONTRACTOR SHALL NOTIFY:

TACOMA PUBLIC WORKS ENGINEERING DIVISION	(253-591-5500)
TACOMA PUBLIC WORKS STREETS AND GROUNDS	(253-591-5495)
TACOMA PUBLIC WORKS SOLID WASTE	(253-591-5544)
TACOMA FIRE DEPARTMENT	(253-591-5733)
TACOMA POLICE DEPARTMENT	(253-591-5951)
LESA COMMUNICATION CENTER	(253-798-4721-Opt.#3)
TACOMA PUBLIC SCHOOLS TRANSPORTATION OFFICE	(253-571-1853)
PIERCE TRANSIT	(253-581-8109)

NOTE:  
PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING AND ISSUANCE OF THE WORK ORDER PERMIT, A BOND SHALL BE SUBMITTED BY THE PERMIT APPLICANT FOR THE VALUE OF THE SCOPE OF WORK TO BE PERFORMED AS ILLUSTRATED BY THE APPROVED WORK ORDER PLANS IN ACCORDANCE WITH T.M.C. 10.22.070, SECTION F.

## PROJECT CONTACT INFORMATION

UTILITY CONTACTS				
OWNER - PORT OF TACOMA	UTILITY	REGULATORY AGENCY	CONTACT	PHONE NUMBER
PEDRO REYES, PROJECT MANAGER EMAIL: preyes@portoftacoma.com	STORM WATER	CITY OF TACOMA	ENVIRONMENTAL SERVICES	(253) 591-5588
	SANITARY SEWER	CITY OF TACOMA	ENVIRONMENTAL SERVICES	(253) 591-5588
	POWER	TACOMA POWER	JOHN MARTINSEN	(253) 502-8659
	WATER	TACOMA WATER	KAREN GERKEN	(253) 502-8736
ENGINEER - KPFF CONSULTING ENGINEERS STEVEN KINGSLEY, PROJECT MANAGER PHONE: (253) 396-0150 EMAIL: steve.kingsley@kppf.com	GAS	PSE/PILCHUCK	GRANT WHITLEY	(253) 502-8746
	TELEPHONE	QWEST	TERRY BRENTIN	(253) 502-6242
	CABLE	AT&T BROADBAND	JOY BATEMAN	(253) 597-5100
	FIRE PROTECTION CONST.	CITY OF TACOMA	MARTIN MCELROY	(253) 845-4867
		CITY OF TACOMA	CARL ANDERSON	(253) 591-5503
			LARRY CRISWELL	(253) 591-5787



**kppf**  
2407 North 31st Street, Suite 100  
Tacoma, Washington 98407  
(253) 396-0150 Fax (253) 396-0162

CALL 48 HOURS  
BEFORE YOU DIG  
1-800-424-5555



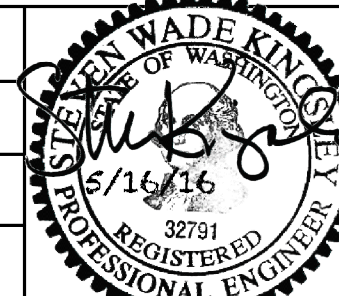
NO

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
DESIGNED	5/16/2016	AS NOTED
BY SWK		CHECKED SWK
DRAWN		PROJECT NAME
SWK		
FIELD BOOKS	DRAWING NAME	



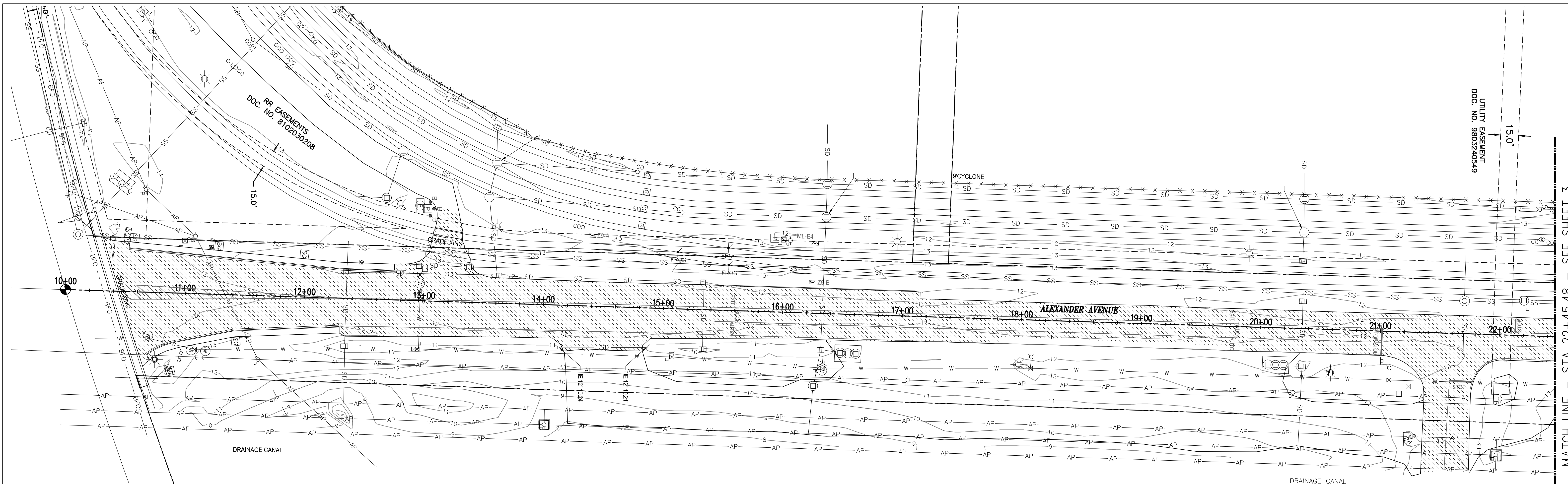
CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS

ALEXANDER AVE DRIVEWAY IMPROVEMENTS  
4215 SR 509  
COVER SHEET

60000041488

SHEET NO.

SHEET 1 OF 12

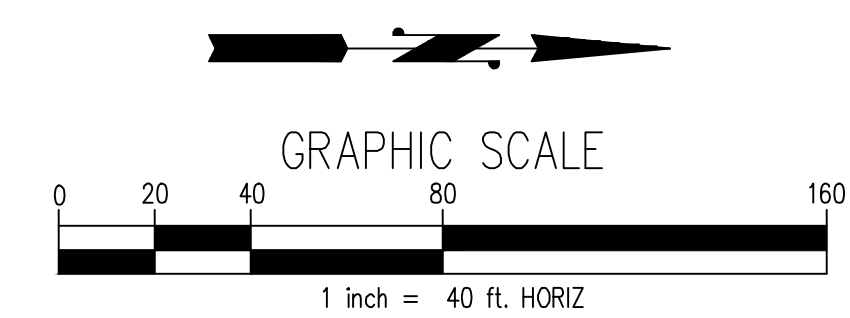


**LEGEND:**

=====	CURB LINE	o oo	STORM CLEAN OUT
-----	EDGE OF ASPHALT	(T)	TELECOMMUNICATIONS MANHOLE
----- BFO	FIBER OPTIC LINE	(T)	TELECOMMUNICATIONS VAULT
----- BP	ELECTRICAL LINE	(T)	TELECOMMUNICATIONS RISER
----- BT	TELECOMMUNICATIONS LINE	(T)	TRAFFIC SIGNAL BOX
----- SD	STORM LINE	(T)	TRAFFIC SIGNAL CABINET
----- SS	SANITARY SEWER LINE	(T)	TRAFFIC CONTROL SIGNAL ARM
----- W	WATER LINE	(T)	WATER METER
-----	GAS LINE	(T)	FIRE HYDRANT
X X	CYCLONE FENCE LINE	(T)	WATER VAULT
AP	OVERHEAD UTILITY LINES	(T)	WATER VALVE
+	SIGN	(T)	HOSE BIB
• B	BOLLARD	(T)	FIRE DEPARTMENT CONNECT
(M)	MAILBOX	(T)	POST INDICATOR VALVE
(E)	ELECTRICAL MANHOLE	(T)	TRAIN ID SCANNER
(M)	ELECTRICAL METER	(T)	AEI READER
(R)	ELECTRICAL RISER	(T)	UNKNOWN UTILITY VAULT
(C)	ELECTRICAL CABINET	(T)	DECIDUOUS TREE
(V)	ELECTRICAL VAULT	(T)	-PERIMETER REPRESENTS DRIPLINE
(T)	TRANSFORMER	(T)	CONIFEROUS TREE
(A)	GUY ANCHOR	(T)	-PERIMETER REPRESENTS DRIPLINE
(P)	GUY POLE	(T)	WIND STOCK FLAG
(L)	GROUND FLOOD LIGHT	(T)	RAILROAD GREASEBOX
(J)	LIGHT J-BOX	(T)	RAILROAD AUTO SWITCH/NUMBER
(O)	OVERHEAD LIGHT	(T)	RAILROAD MANUAL SWITCH/NUMBER
(P)	POWER POLE/OVERHEAD LIGHT	(T)	RAILROAD FROG
(D)	POWER POLE W/DROP	(T)	RAILROAD SIGN
(P)	POWER POLE	(T)	RAILROAD CROSSING SIGNAL
(M)	GAS MARKER POST	(T)	
(V)	GAS VAULT	(T)	
(V)	GAS VALVE	(T)	
(C)	SANITARY MANHOLE WITH STRUCTURE	(T)	
(C)	STORM MANHOLE WITH STRUCTURE	(T)	
(B)	CATCH BASIN/AREA DRAIN	(T)	

**NOTES:**

- 1.) VERTICAL DATUM: CITY OF TACOMA (NGVD 29)  
BENCHMARK: 3 INCH BRASS DISK ON MILWAUKEE WAY, SOUTH OF E. 11TH AVENUE.  
BENCHMARK NO. 2863  
ELEVATION = 12.117'
- 2.) BASIS OF BEARINGS FOR THIS SURVEY IS THE CITY OF TACOMA DATUM, NAD 83(91)  
WASHINGTON SOUTH ZONE (3602).
- 3.) UTILITY LOCATIONS SHOWN ARE PER FIELD LOCATED UTILITY PAINT MARKS & REFERENCE MAPS MADE AVAILABLE BY THE VARIOUS UTILITY PROVIDERS. UNLESS INDICATED, DEPTHS OF UTILITY LINES ARE NOT AVAILABLE. ALL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
- 4.) BOUNDARY AND EASEMENTS SHOWN HEREON ARE BASED ON TITLE REPORT NUMBER 0048493-TC BY CHICAGO TITLE INSURANCE COMPANY, EFFECTIVE DATE OF 15 SEPTEMBER 2015.



MATCH LINE - STA 22+45.48 - SEE SHEET 3

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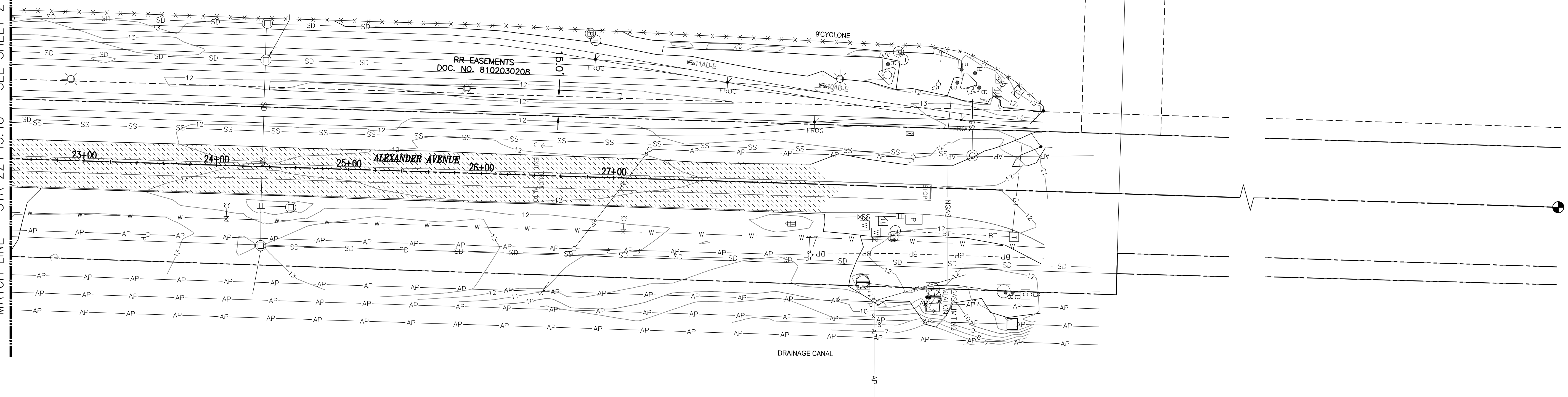


NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	5/16/2016	AS NOTED
DESIGNED	CHECKED	
SWK	SWK	
DATE	DRAWN	PROJECT NAME
	SWK	
FIELD BOOKS	DRAWING NAME	

CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		
ALEXANDER AVE DRIVEWAY IMPROVEMENTS 4215 SR 509 SURVEY		60000041488
CONSTRUCTION DIVISION		SHEET NO.
		SHEET 2 OF 12

MATCH LINE - STA 22+45.48 - SEE SHEET 2

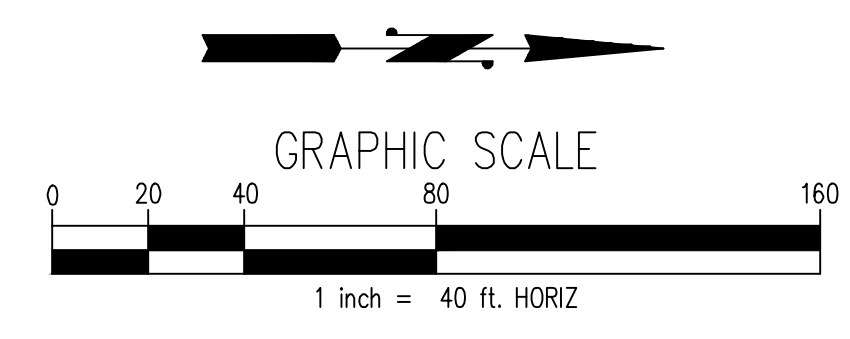


LEGEND:

—	CURB LINE	o o o	STORM CLEAN OUT
—	EDGE OF ASPHALT	⊕	TELECOMMUNICATIONS MANHOLE
---	BFO FIBER OPTIC LINE	⊕	TELECOMMUNICATIONS VAULT
---	BP ELECTRICAL LINE	⊕	TELECOMMUNICATIONS RISER
---	BT TELECOMMUNICATIONS LINE	⊕	TRAFFIC SIGNAL BOX
SD	STORM LINE	⊕	TRAFFIC SIGNAL CABINET
SS	SANITARY SEWER LINE	⊕	TRAFFIC CONTROL SIGNAL ARM
W	WATER LINE	⊕	WATER METER
—	GAS LINE	⊕	FIRE HYDRANT
X X	CYCLONE FENCE LINE	⊕	WATER VAULT
AP	OVERHEAD UTILITY LINES	⊕	WATER VALVE
⊕	SIGN	⊕	HOSE BIB
⊕	BOLLARD	⊕	FIRE DEPARTMENT CONNECT
⊕	MAILBOX	⊕	POST INDICATOR VALVE
⊕	ELECTRICAL MANHOLE	⊕	TRAIN ID SCANNER
⊕	ELECTRICAL METER	⊕	AEI READER
⊕	ELECTRICAL RISER	⊕	UNKNOWN UTILITY VAULT
⊕	ELECTRICAL CABINET	⊕	DECIDUOUS TREE
⊕	ELECTRICAL VAULT	⊕	-PERIMETER REPRESENTS DRIPLINE
⊕	TRANSFORMER	⊕	CONIFEROUS TREE
⊕	GUY ANCHOR	⊕	-PERIMETER REPRESENTS DRIPLINE
⊕	GUY POLE	⊕	WIND STOCK FLAG
⊕	GROUND FLOOD LIGHT	⊕	RAILROAD GREASEBOX
⊕	LIGHT J-BOX	⊕	RAILROAD AUTO SWITCH/NUMBER
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⊕	POWER POLE/OVERHEAD LIGHT	⊕	RAILROAD FROG
⊕	POWER POLE W/DROP	⊕	RAILROAD SIGN
⊕	POWER POLE	⊕	RAILROAD CROSSING SIGNAL
⊕	GAS MARKER POST	⊕	
⊕	GAS VAULT	⊕	
⊕	GAS VALVE	⊕	
⊕	SANITARY MANHOLE WITH STRUCTURE	⊕	
⊕	STORM MANHOLE WITH STRUCTURE	⊕	
⊕	CATCH BASIN/AREA DRAIN	⊕	

NOTES:

- 1.) VERTICAL DATUM: CITY OF TACOMA (NGVD 29)  
BENCHMARK: 3 INCH BRASS DISK ON MILWAUKEE WAY, SOUTH OF E. 11TH AVENUE.  
BENCHMARK NO. 2863  
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- 4.) BOUNDARY AND EASEMENTS SHOWN HEREON ARE BASED ON TITLE REPORT NUMBER 0048493-TC BY CHICAGO TITLE INSURANCE COMPANY, EFFECTIVE DATE OF 15 SEPTEMBER 2015.



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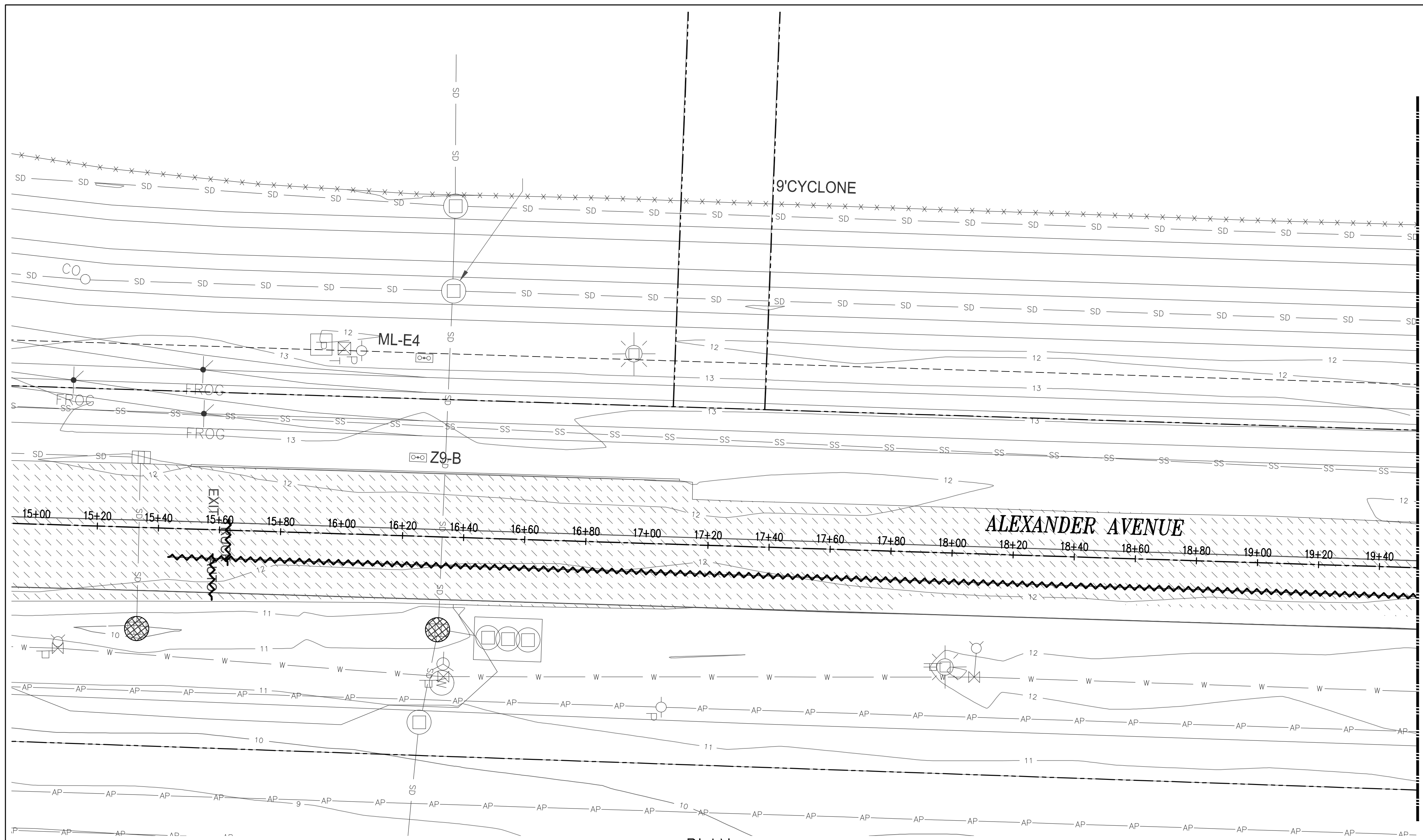
FINAL CONSTRUCTION CHECKED	DATE	SCALE
	5/16/2016	AS NOTED
DESIGNED	CHECKED	
SWK	SWK	
DRAWN	PROJECT NAME	
SWK	ALEXANDER AVE DRIVEWAY IMPROVEMENTS	
FIELD BOOKS	DRAWING NAME	

CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS

ALEXANDER AVE DRIVEWAY IMPROVEMENTS  
4215 SR 509  
SURVEY

60000041488

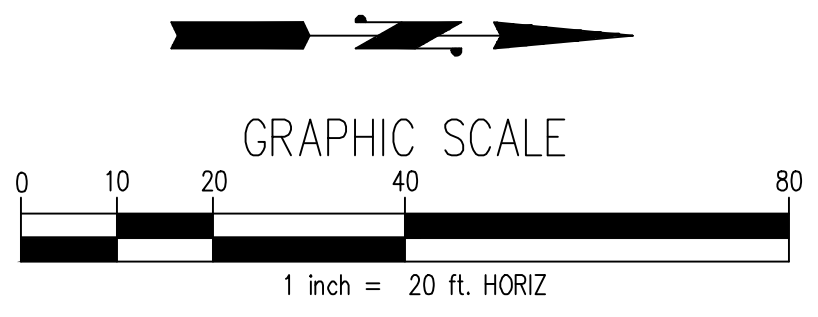
SHEET NO. 3 OF 12



MATCH LINE - STA 19+52.11 - SEE SHEET 5

**PLAN**

SCALE: 1" = 20'



**LEGEND**

- EXISTING CONCRETE SIDEWALK
- EXISTING ASPHALT ROADWAY
- REMOVE SIDEWALK/DRIVEWAY APPROACH
- REMOVE ASPHALT
- 0" TO 2" ASPHALT GRIND
- REMOVE PAVEMENT MARKING
- REMOVE UTILITY OR STORM LINE
- SAWCUT
- CATCH BASIN INLET PROTECTION. CONTRACTOR TO INSURE ANY CATCH BASIN DOWNSTREAM OF THE PROJECT LIMITS (WITHIN 500') HAS INLET PROTECTION FOR THE DURATION OF CONSTRUCTION.
- STRAW WATTLES

1/6

2/6

**DEMOLITION NOTES:**

1. EXTENTS OF ASPHALT REMOVAL ARE APPROXIMATE, ACTUAL REMOVAL LIMITS WILL BE DELINEATED BY A CONSTRUCTION DIVISION INSPECTOR
2. REMOVE SIDEWALKS TO NEAREST EXPANSION JOINT BEYOND STATION LISTED, NOT TO EXCEED 10 FEET.
3. CONTRACTOR SHALL COORDINATE ANY RELOCATION OF HYDRANTS AND ASSOCIATED WATER SERVICES WITH TACOMA WATER, INCLUDING PAYMENT OF ASSOCIATED FEES AND WORK COSTS, AND SCHEDULING OF WORK.
4. ALL DIMENSIONS ARE TO FACE OF CURB OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
5. SAWCUT OF CURB AND GUTTER, SIDEWALKS AND DRIVEWAYS IS NOT ALLOWED. ALL REMOVAL MUST BE LOCATED AT NEAREST JOINTS. COORDINATE WITH CITY OF TACOMA INSPECTOR.
6. DISTURBED AREAS WHICH ARE RESTORED AS LAWN OR AS VEGETATED AREAS, SHALL BE COVERED WITH TOPSOIL AND MULCH IN ACCORDANCE WITH BEST MANAGEMENT PRACTICE L613 OF THE CITY OF TACOMA 2012 STORMWATER MANAGEMENT MANUAL.
7. SITE FURNISHINGS ENCOUNTERED IN THE PUBLIC ROW (CONCRETE PLANTERS, BIKE RACKS, TRASH CANS, ETC.) & IDENTIFIED ON THIS PLAN SHALL BE OFFERED TO THE OWNER (CITY OF TACOMA) FOR SALVAGE PRIOR TO DISPOSAL. IF DECLINED BY THE OWNER (CITY OF TACOMA), ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR

**EROSION & SEDIMENT CONTROL NOTES:**

1. APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM OR ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
8. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
10. IF DEWATERING IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT A SOURCE CONTROL REPRESENTATIVE WITH THE CITY OF TACOMA AT 253-591-5588.

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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	5/16/2016	AS NOTED
DESIGNED	CHECKED	
SWK	SWK	
DRAWN	PROJECT NAME	
SWK	ALEXANDER AVE DRIVEWAY IMPROVEMENTS	
FIELD BOOKS	DRAWING NAME	
	32731	

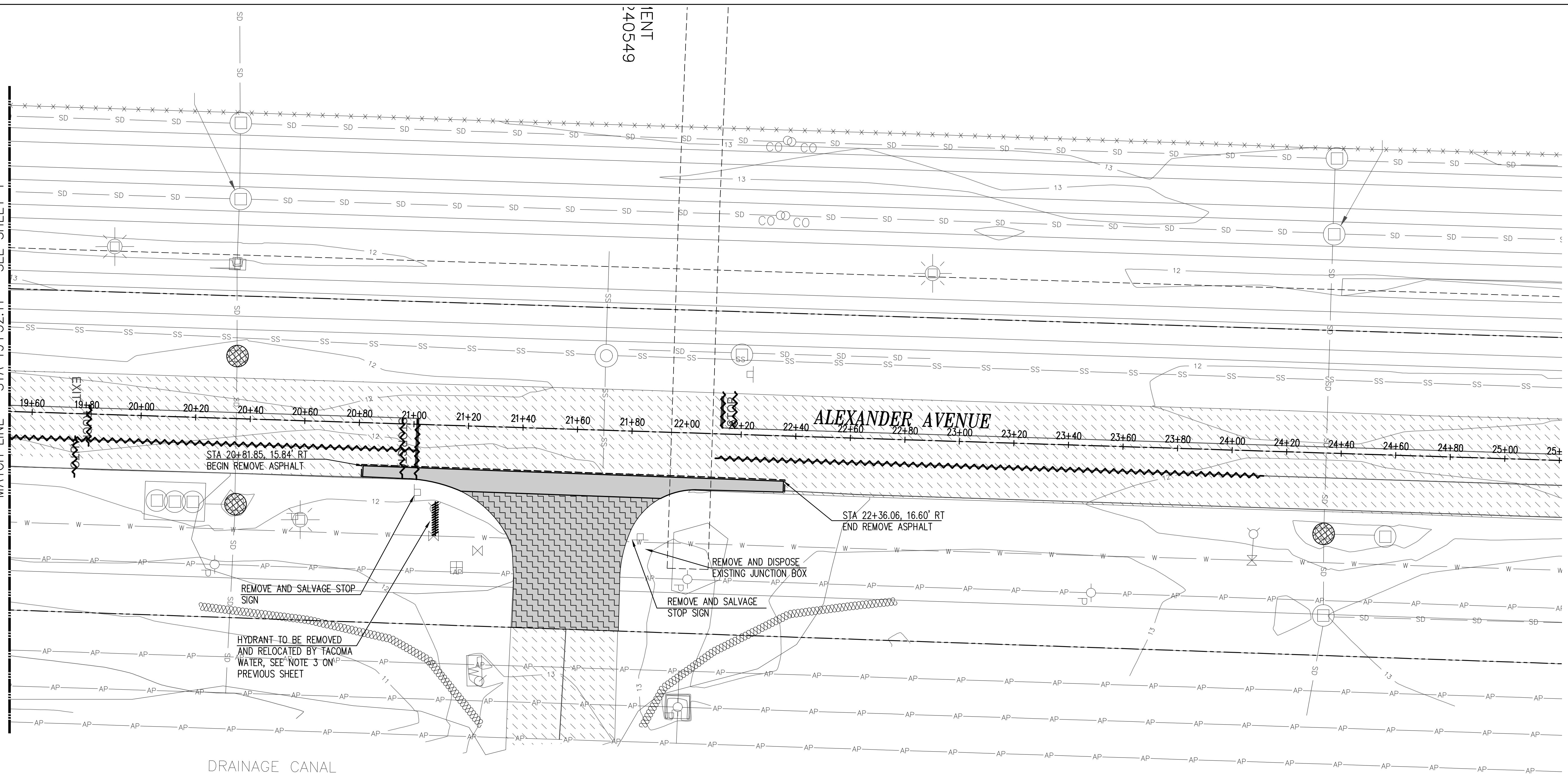


CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS		60000041488
ALEXANDER AVE DRIVEWAY IMPROVEMENTS 4215 SR 509 DEMOLITION AND TESC PLAN		SHEET NO.
CONSTRUCTION DIVISION		SHEET 4 OF 12



MATCH LINE - STA 19+52.11 - SEE SHEET 4

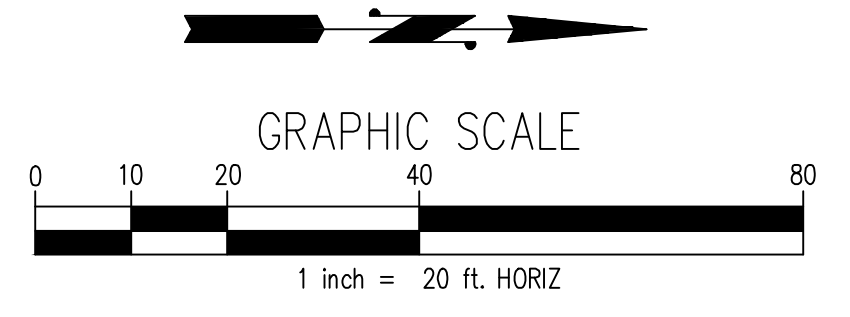
INLET  
240549



DRAINAGE CANAL

**PLAN**

SCALE: 1" = 20'



**LEGEND**

- |  |                                   |  |  |
|--|-----------------------------------|--|--|
|  | EXISTING CONCRETE SIDEWALK        |  | REMOVE PAVEMENT MARKING  |
|  | EXISTING ASPHALT ROADWAY          |  | REMOVE UTILITY OR STORM LINE   |
|  | REMOVE SIDEWALK/DRIVEWAY APPROACH |  | SAWCUT   |
|  | REMOVE ASPHALT                    |  | CATCH BASIN INLET PROTECTION. CONTRACTOR TO INSURE ANY CATCH BASIN DOWNSTREAM OF THE PROJECT LIMITS (WITHIN 500') HAS INLET PROTECTION FOR THE DURATION OF CONSTRUCTION. |
|  | 0" TO 2" ASPHALT GRIND            |  | STRAW WATTLES  |

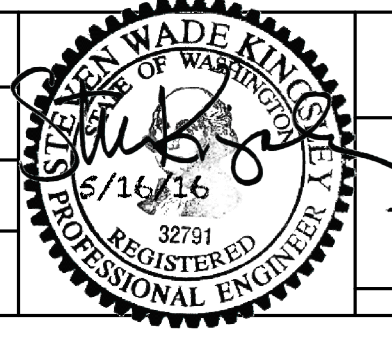
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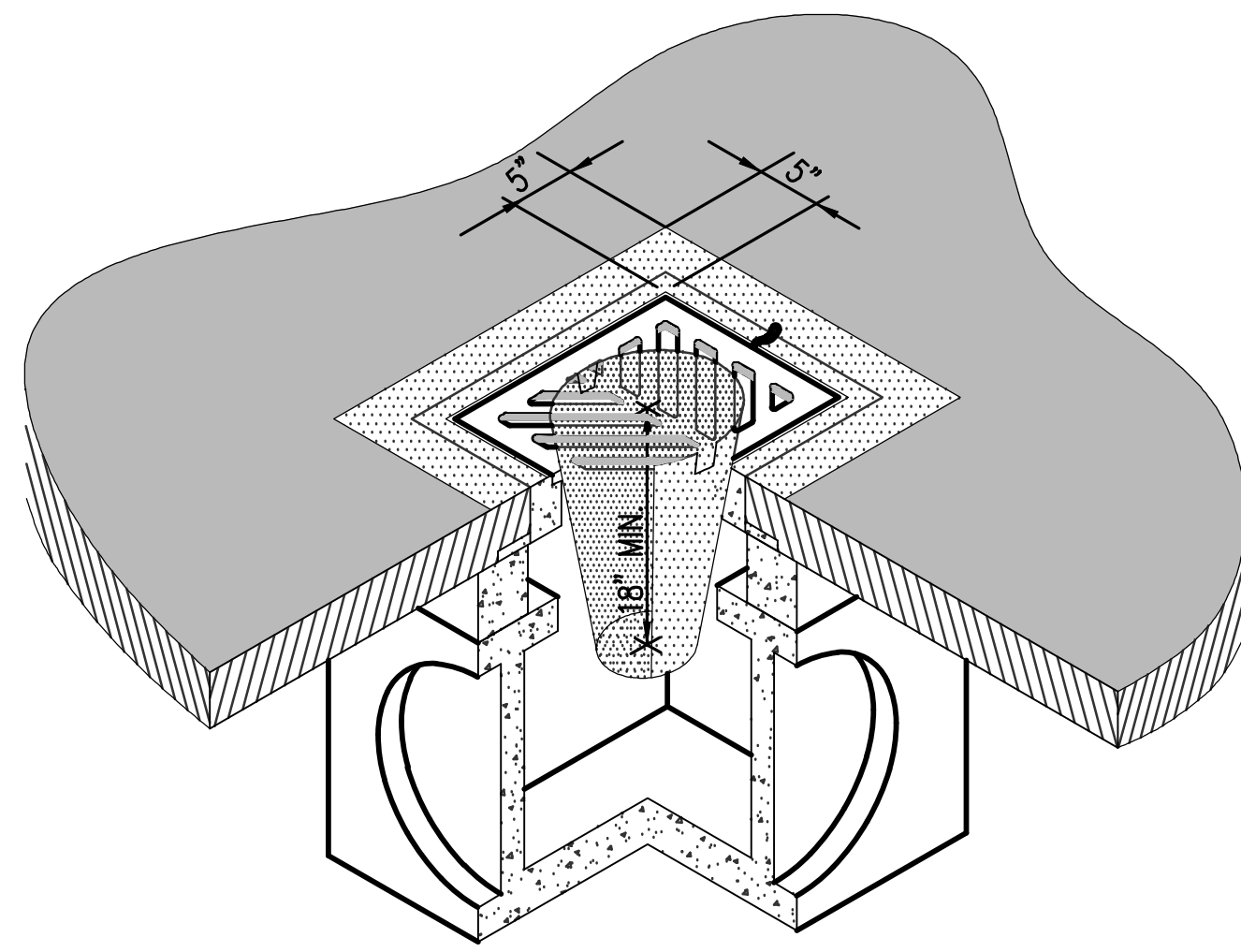
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	5/16/2016	AS NOTED
DESIGNED	CHECKED	
SWK	SWK	
DRAWN	PROJECT NAME	
SWK	ALEXANDER AVE DRIVEWAY IMPROVEMENTS	
FIELD BOOKS	DRAWING NAME	



CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS  
ALEXANDER AVE DRIVEWAY IMPROVEMENTS  
4215 SR 509  
DEMOLITION AND TESC PLAN

60000041488  
SHEET NO.  
SHEET 5 OF 12

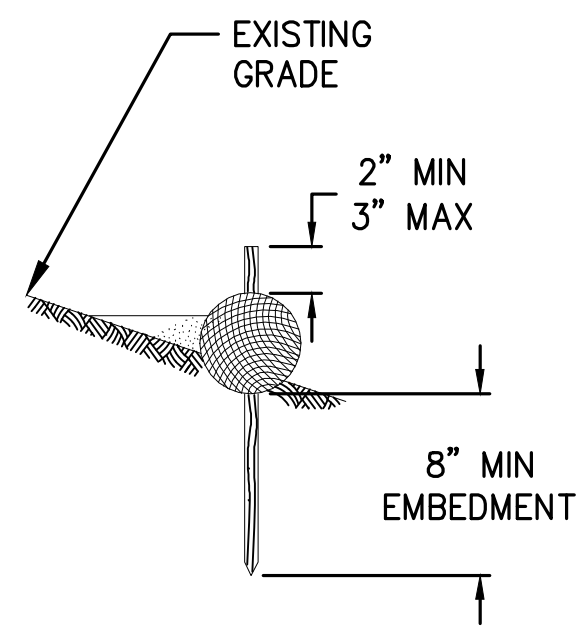


INLET PROTECTION DETAIL  
SCALE: NTS

1  
4

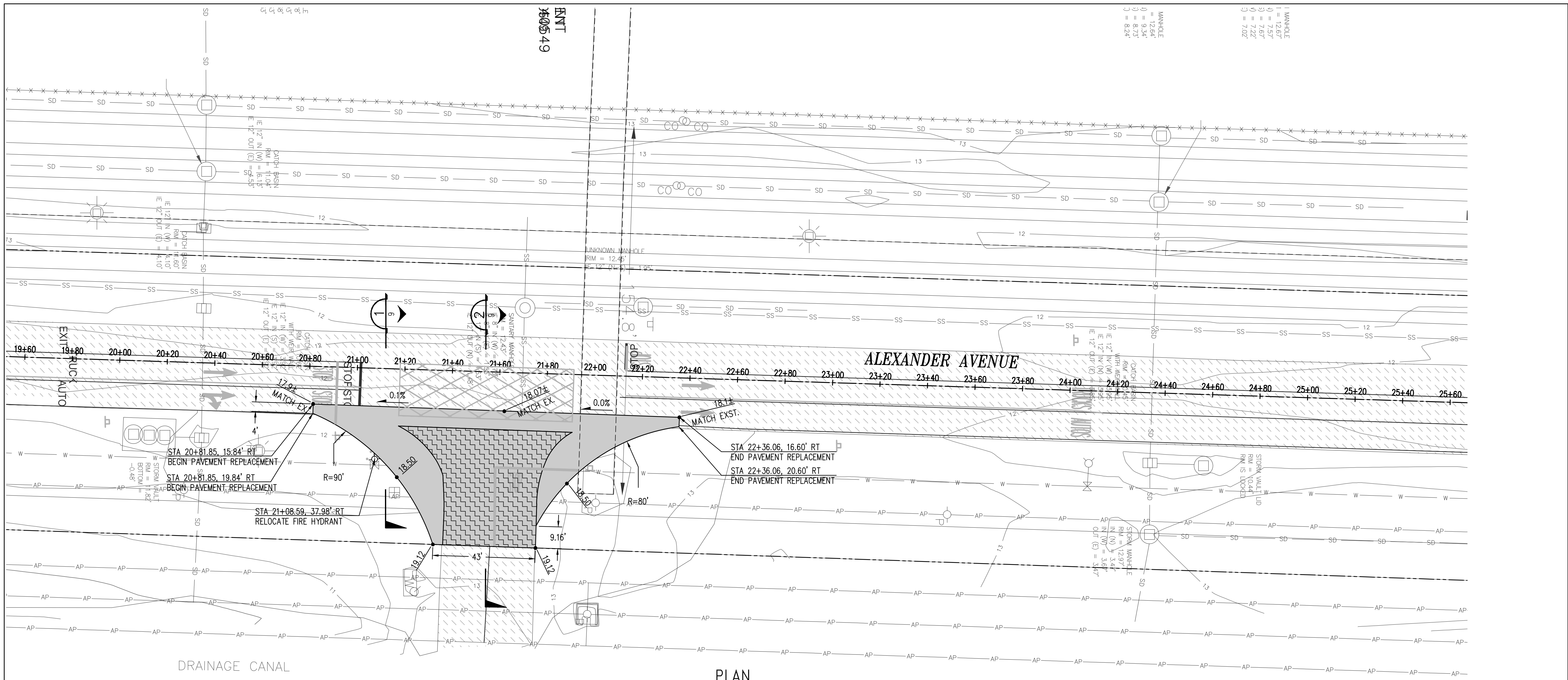
**NOTES:**

1. INSERT SHALL BE INSTALLED IN ALL OPERATIONAL CATCH BASINS WITHIN 500 FEET OF WORK LIMITS PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
2. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND CLEANED OR REPLACED WHEN IT IS 1/3 FULL.
3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING INTO APPROPRIATE DISPOSAL LOCATION, AND REINSERTING IT INTO THE CATCH BASIN.



STRAW WATTLE DETAIL  
SCALE: NTS

2  
5



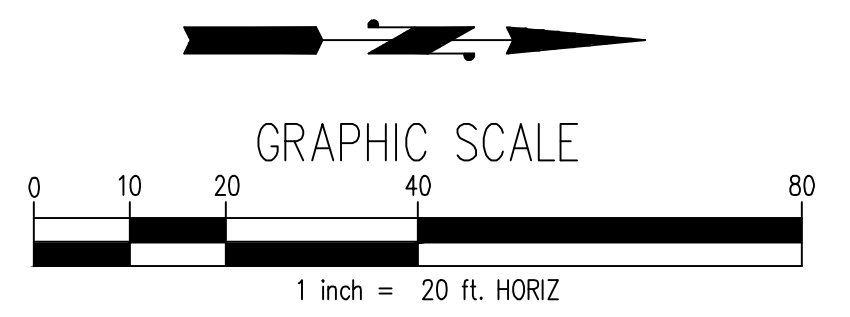
PLAN  
SCALE: 1" = 20'

GENERAL NOTES:

- FOR DRIVEWAY PAVEMENT SECTIONS SEE  $\frac{1}{10}$  AND  $\frac{2}{10}$
- SEE SHEET 4 AND 5 FOR STREET DEMOLITION PLANS.
- DISTURBED AREAS WHICH ARE RESTORED AS LAWN OR AS VEGETATED AREAS, SHALL BE COVERED WITH TOPSOIL AND MULCH IN ACCORDANCE WITH BEST MANAGEMENT PRACTICE L613 OF THE CITY OF TACOMA 2008 SURFACE WATER MANAGEMENT MANUAL.
- EXTENTS OF ROADWAY PAVING ARE APPROXIMATE. ACTUAL PAVING LIMITS WILL BE DELINEATED BY A CONSTRUCTION DIVISION INSPECTOR.
- PIPE SIZE AND COVER DEPTH OF WATER UTILITY MAIN AND SERVICE LINES ARE ASSUMED. ACTUAL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- CONTRACTOR TO MATCH EXISTING GRADE AT SAWCUT LINE.
- SEE SHEETS 8 AND 9 FOR CHANNELIZATION.
- RESTORATION SHALL BE IN ACCORDANCE WITH THE CITY OF TACOMA POLICY AS ADOPTED JUNE 2, 2009. THE CITY INSPECTOR SHALL HAVE FINAL SAY FOR LIMITS OF RESTORATION.

LEGEND

- EXISTING SIDEWALK
- EXISTING ASPHALT ROADWAY
- PROPOSED ASPHALT ROADWAY
- 0" TO 2" ASPHALT GRIND & 4" OVERLAY
- CENTERLINE



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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	5/16/2016	AS NOTED
DESIGNED	CHECKED	
SWK	SWK	
DRAWN	PROJECT NAME	
SWK	ALEXANDER AVE DRIVEWAY IMPROVEMENTS	
FIELD BOOKS	DRAWING NAME	



CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS  
ALEXANDER AVE DRIVEWAY IMPROVEMENTS  
4215 SR 509  
PAVING AND UTILITY PLAN

60000041488  
SHEET NO.  
SHEET 7 OF 12