



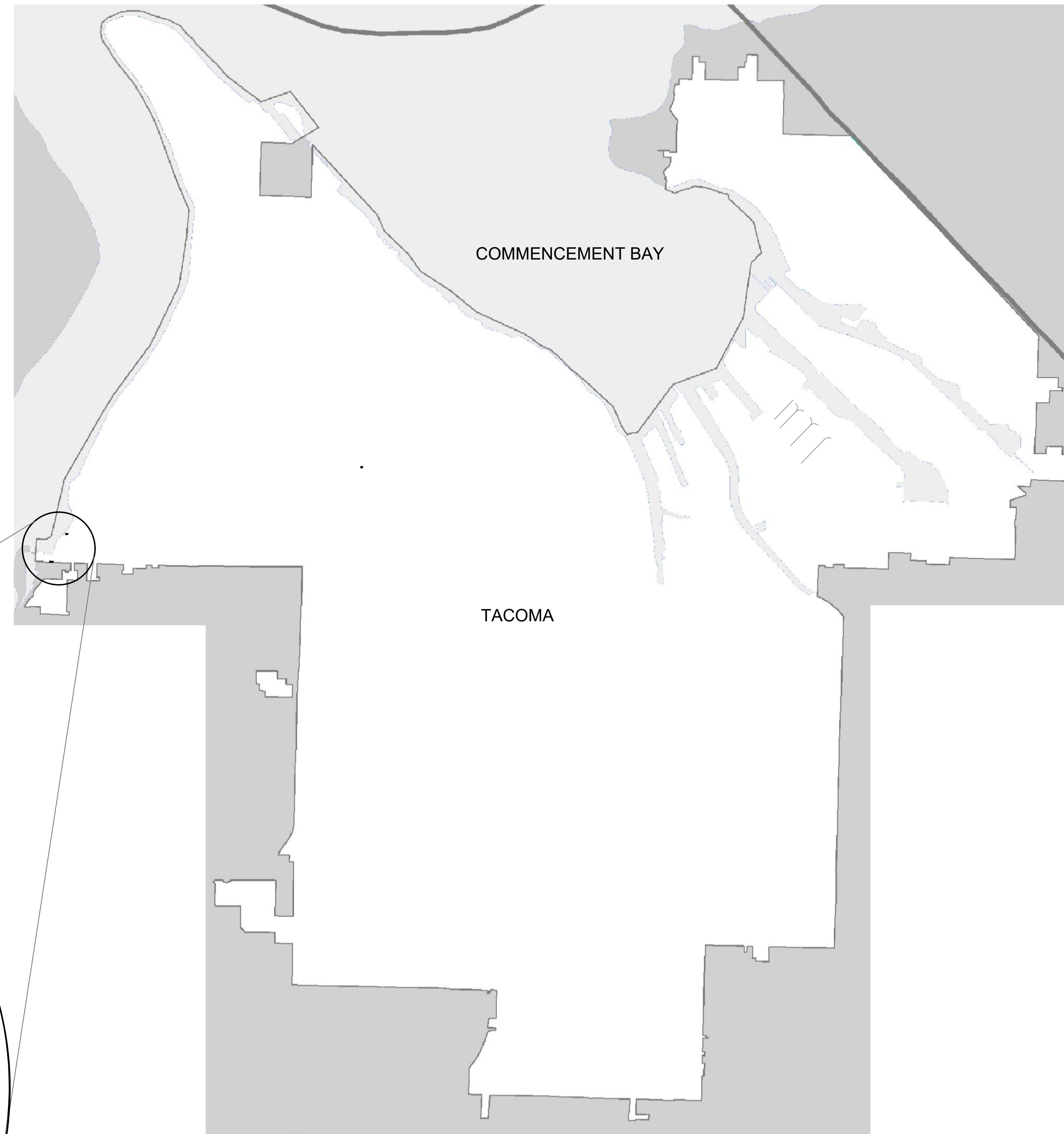
THE CITY OF TACOMA  
 PUBLIC WORKS DEPARTMENT  
 SPECIFICATION NO. PW24-0257F  
 OCT 2024

**RAIL CROSSING IMPROVEMENTS 6TH AV & S 19TH ST**

PROJECT NUMBER: PWK-01017  
 FEDERAL AID PROJECT NUMBER: RAIL-1280(039)  
 STATE CONTRACT NUMBER: RRB 1205

LOCATIONS:

6TH AV & SEASHORE DR  
 S 19TH ST & SEASHORE DR



COMMENCEMENT BAY

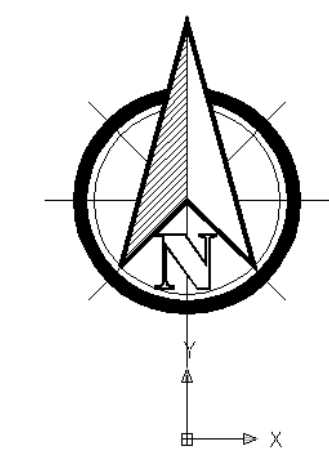
TACOMA

VICINITY MAP  
 NOT TO SCALE

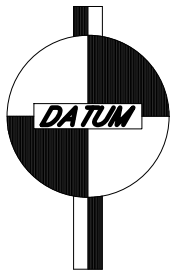
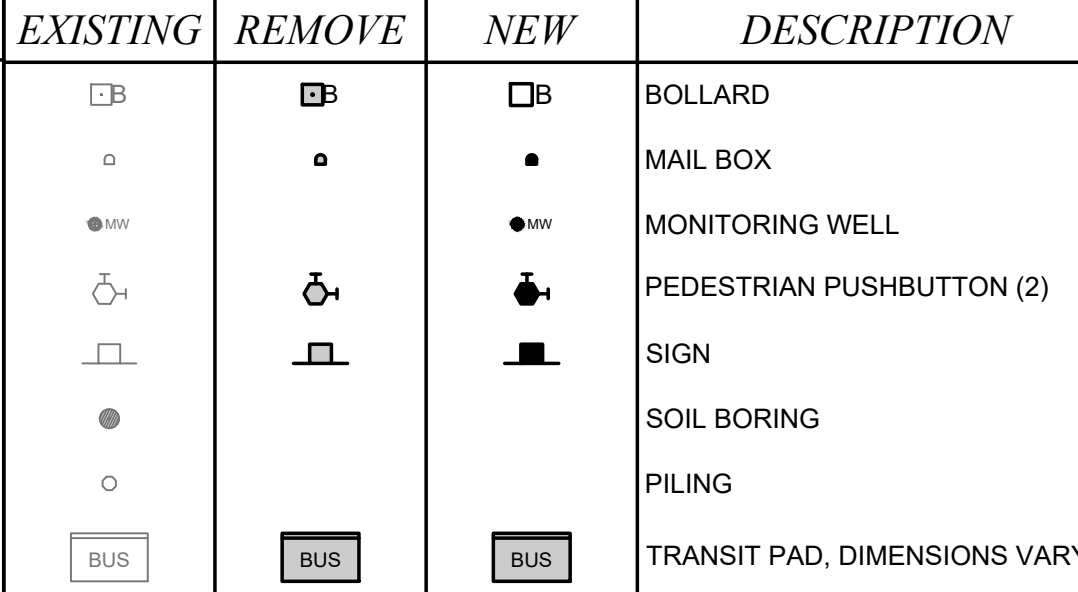
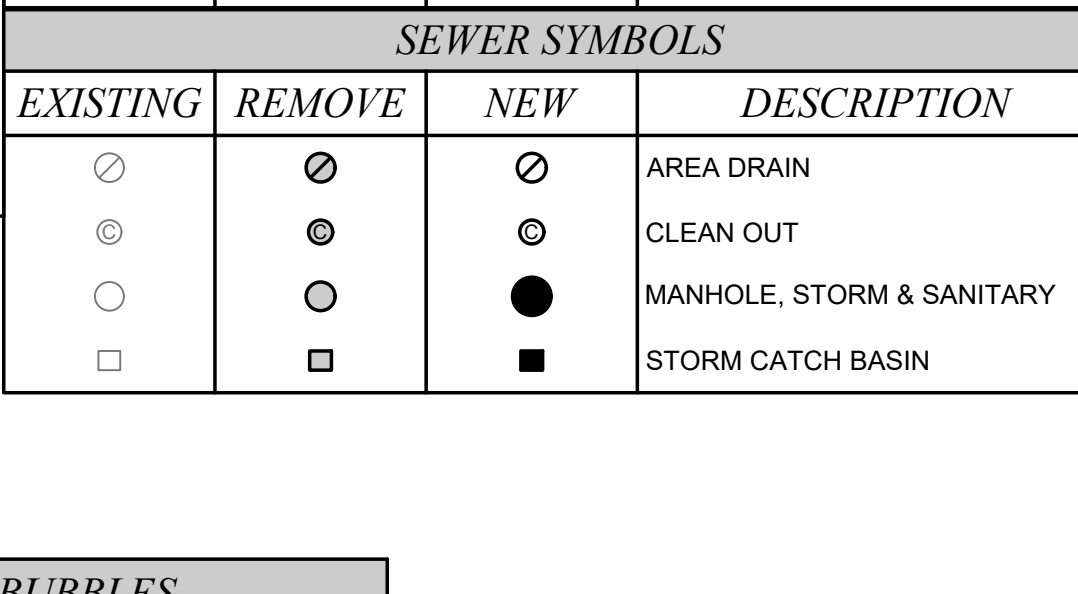
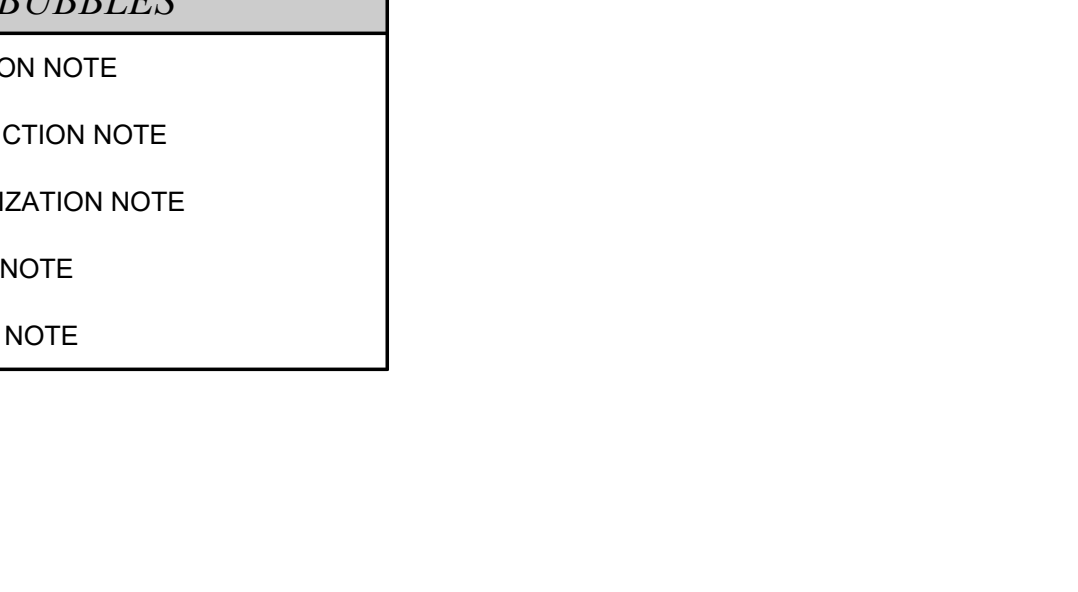
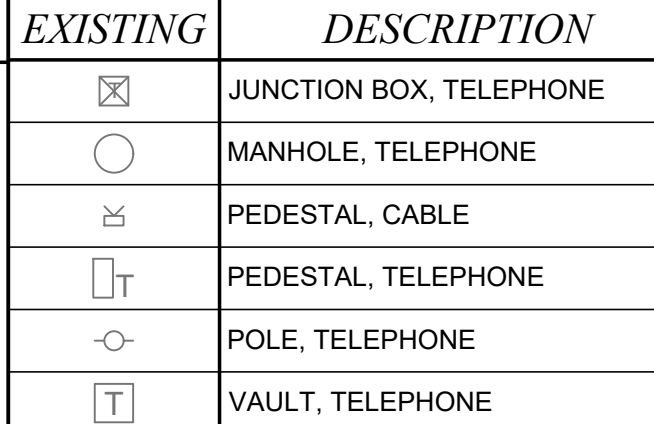
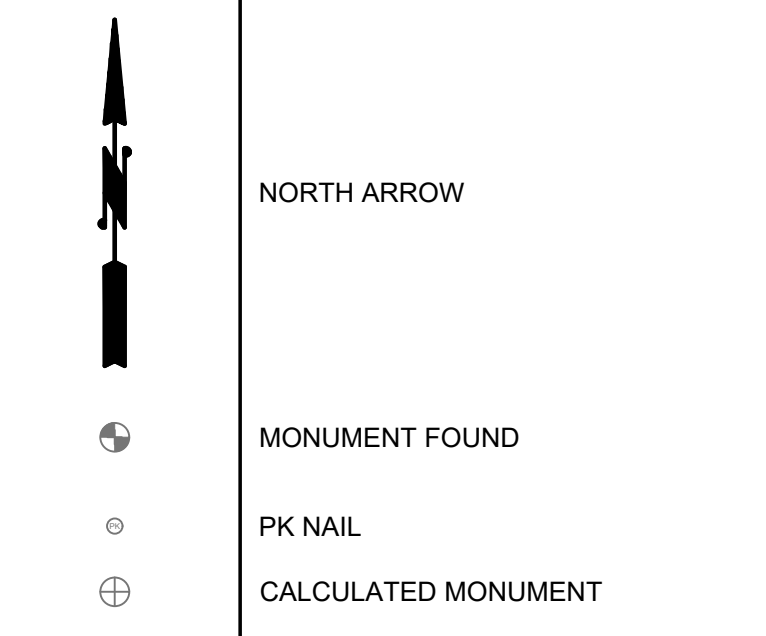
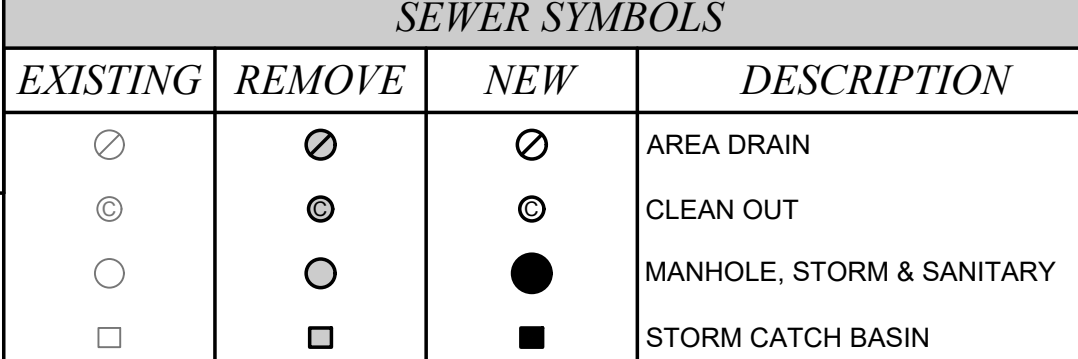
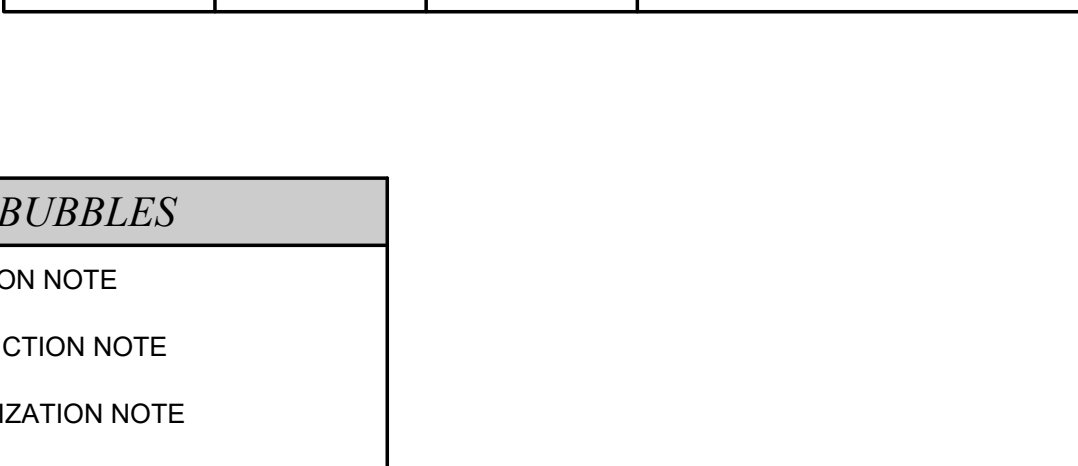
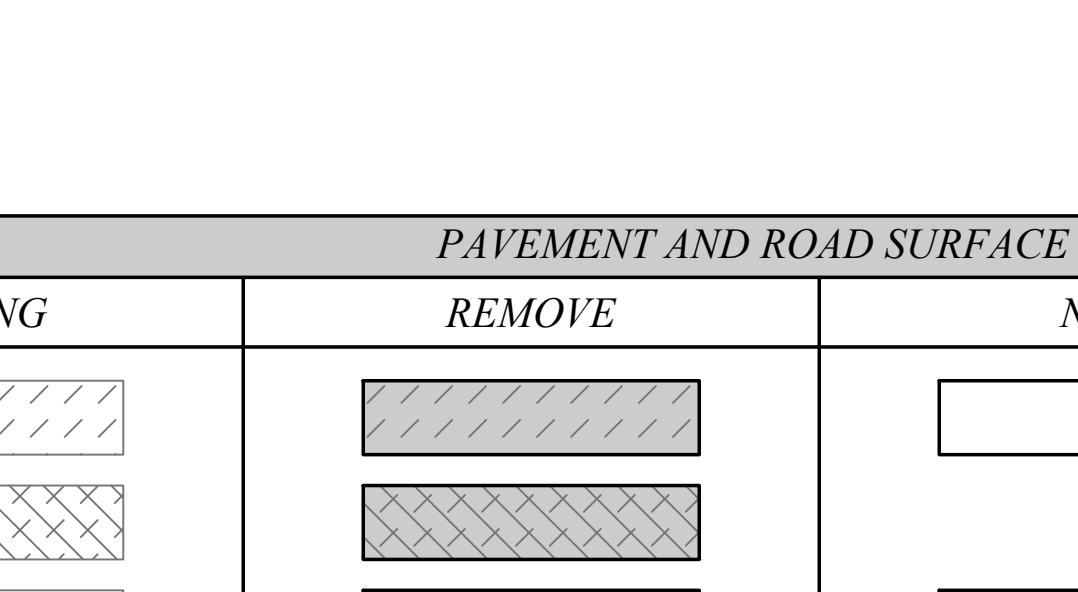
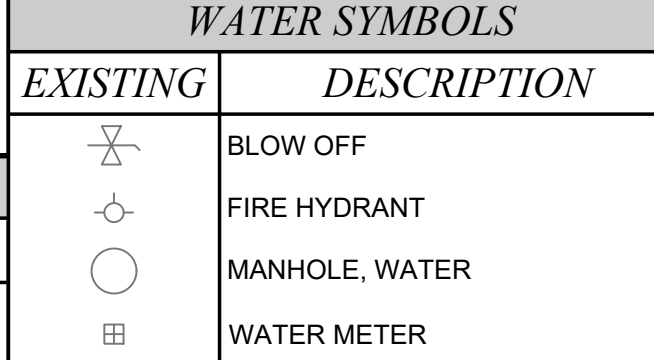
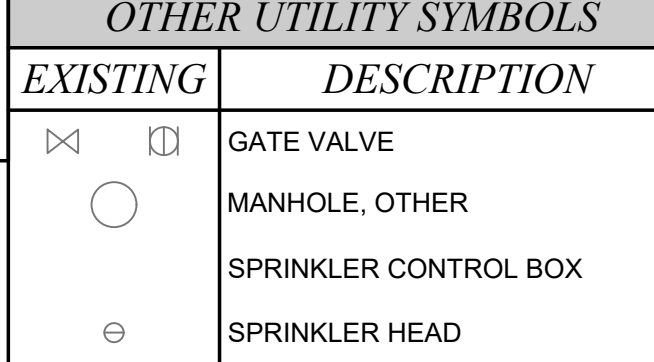




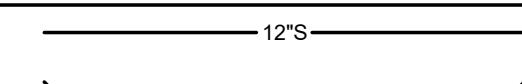
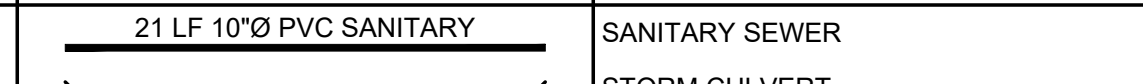
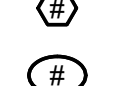
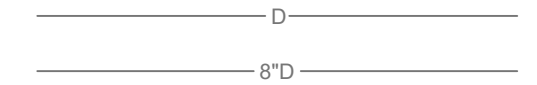
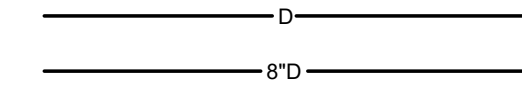
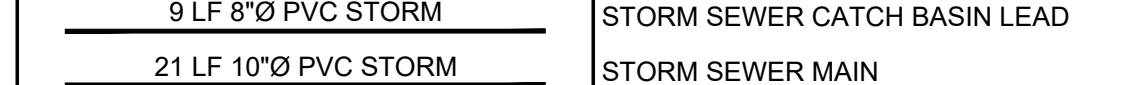
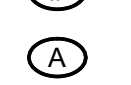






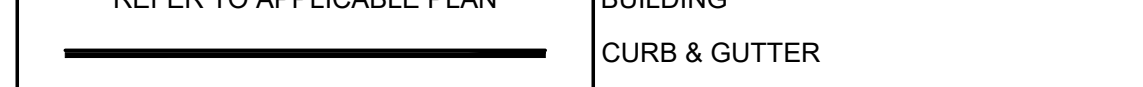

6TH AVE.

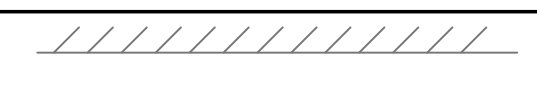


S. 19TH ST.

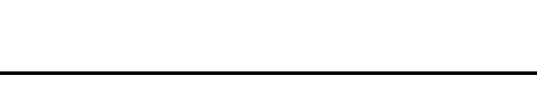
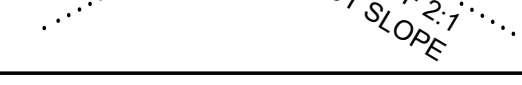
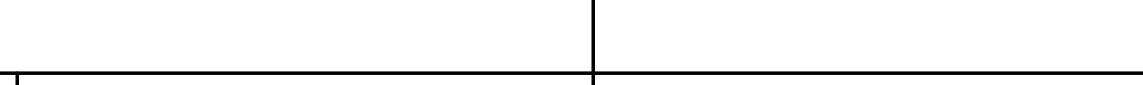
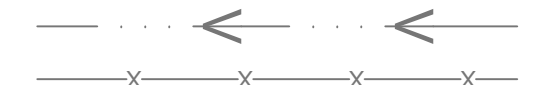
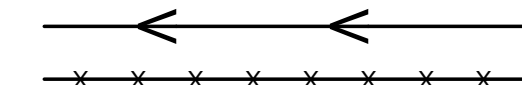
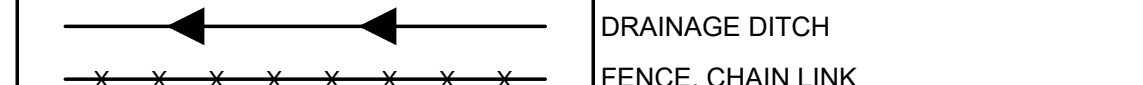

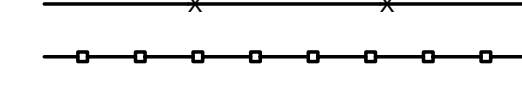
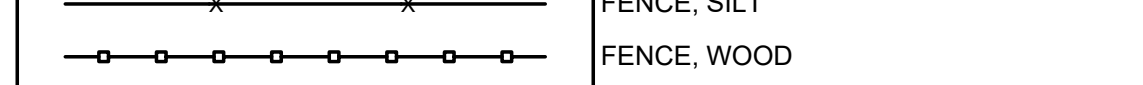

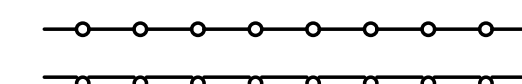
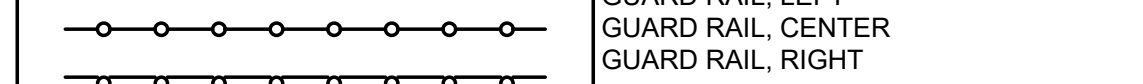




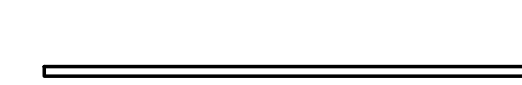


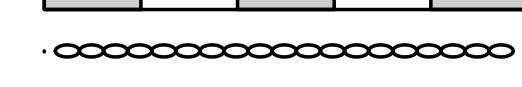
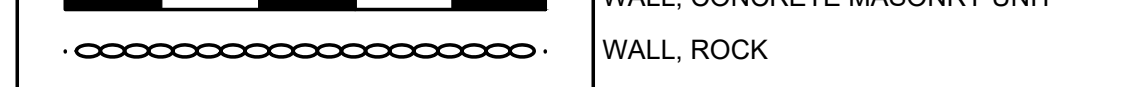
















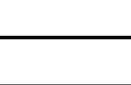


Sheet List Table	
PLAN NUMBER	TITLE OF DRAWINGS
	COVER SHEET
1	SYMBOL SHEET
2	6TH AV. DEMOLITION PLAN
3	6TH AV. CONSTRUCTION PLAN
4-5	6TH AV. ADA PLAN
6	6TH AV. DETAIL PLAN
7	S 19TH ST. DEMOLITION PLAN
8-9	S. 19TH ST. CONSTRUCTION PLAN
10	S. 19TH ST. ADA PLAN
11	S 19TH ST. DETAIL PLAN
12-13	PEDESTRIAN SWING GATE DETAIL

SURVEY SYMBOLS		REFERENCE LINETYPES		POWER & SIGNAL SYMBOLS		MISCELLANEOUS SYMBOLS				COMMUNICATION SYMBOLS		ABBREVIATIONS			
CITY OF TACOMA DATUM:  HORIZ. DATUM: N.A.D. 83/91 VERT. DATUM: N.G.V.D. 29 BENCH MARK: SBM/M.I.C. INTERSECTION OF STREETNAME & STREETNAME ELEV. = XXX.XX		<b>LINETYPE</b> _____ CENTER LINE _____ EASEMENT LINE _____ EX MON LINE _____ NEW MON LINE _____ PROPERTY LINE _____ RIGHT OF WAY _____ TEMPORARY CONSTRUCTION PERMIT LINE		<b>EXISTING</b> _____ CABINET, SIGNAL CONTROL _____ GUY, ANCHOR _____ GUY, POLE _____ JUNCTION BOX, TRAFFIC SIGNAL _____ JUNCTION BOX, STREET LIGHT _____ LIGHT, YARD _____ LIGHT, ORNAMENTAL POST TOP _____ STREET LIGHT, DEFAULT _____ STREET LIGHT, ON FOUNDATION _____ STREET LIGHT, ON METAL POLE _____ UTILITY POLE _____ UTILITY POLE WITH LIGHT _____ VAULT, CORNERS SURVEYED _____ VAULT, POWER, UNDERGROUND		<b>EXISTING</b>  <b>REMOVE</b>  <b>NEW</b> 				<b>EXISTING</b>  <b>DESCRIPTION</b> JUNCTION BOX, TELEPHONE MANHOLE, TELEPHONE PEDESTAL, CABLE PEDESTAL, TELEPHONE POLE, TELEPHONE VAULT, TELEPHONE		<b>ABBREVIATIONS</b> PC POINT OF CURVATURE PED PEDESTRIAN PG PERFORMANCE GRADE POB POINT OF BEGINNING PT POINT OF TANGENCY PVC POINT OF VERTICAL CURVE PVI POINT OF VERTICAL INTERSECTION PVT POINT OF VERTICAL TANGENCY PVC PIPE POLYVINYL CHLORIDE PIPE R RADIUS RIM RIM ELEVATION ROW RIGHT OF WAY RT RIGHT S SOUTH SAN SANITARY SEWER SF SQUARE FEET SPEC SPECIFICATIONS SQ SQUARE SST STAINLESS STEEL STA STATION STD STANDARD STM STORM SEWER TBC TOP BACK OF CURB TEMP TEMPORARY TFC TOP FACE OF CURB TS TOP OF SLOPE TW TOP OF WALL TYP TYPICAL V VERTICAL W WEST W/O WITHOUT WSDOT WASHINGTON STATE DEPT. OF TRANSPORTATION			
<b>EXISTING</b> 		<b>DESCRIPTION</b> NORTH ARROW MONUMENT FOUND PK NAIL CALCULATED MONUMENT		<b>UTILITY LINETYPES</b> <b>EXISTING</b> _____ TV _____ FO _____ G _____ P _____ UG-P _____ UG-P _____ UG-P _____ LHT _____ T _____ TS _____ TSFO _____ 18"W <b>DESCRIPTION</b> CONDUIT CABLE TV FIBER OPTIC GAS POWER, OVERHEAD POWER, UNDERGROUND STREET LIGHTING TELEPHONE TRAFFIC SIGNAL CONDUIT TRAFFIC SIGNAL CONDUIT, FIBER OPTIC WATER		<b>SEWER SYMBOLS</b> <b>EXISTING</b>  <b>REMOVE</b>  <b>NEW</b> 				<b>EXISTING</b>  <b>DESCRIPTION</b> BLOW OFF FIRE HYDRANT MANHOLE, WATER WATER METER		<b>OTHER UTILITY SYMBOLS</b> <b>EXISTING</b>  <b>DESCRIPTION</b> GATE VALVE MANHOLE, OTHER SPRINKLER CONTROL BOX SPRINKLER HEAD			


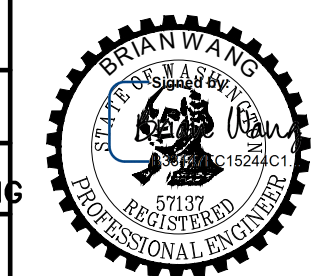
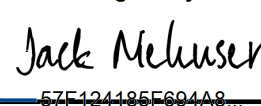
STORM & SANITARY SEWER UTILITY LINETYPES				NOTE BUBBLES	
<b>EXISTING</b>	<b>REMOVE</b>	<b>NEW</b>	<b>DESCRIPTION</b>		DEMOLITION NOTE
			SANITARY SEWER		CONSTRUCTION NOTE
			STORM CULVERT		CHANNELIZATION NOTE
			STORM SEWER CATCH BASIN LEAD		SIGNAGE NOTE
			STORM SEWER MAIN		REVISION NOTE

FEATURE LINETYPES			
<b>EXISTING</b>	<b>REMOVE</b>	<b>NEW</b>	<b>DESCRIPTION</b>
	REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	BUILDING
	REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	CURB & GUTTER
	REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	CLEARING & GRUBBING

PAVEMENT AND ROAD SURFACE TYPES			
<b>EXISTING</b>	<b>REMOVE</b>	<b>NEW</b>	<b>DESCRIPTION</b>
			ASPHALT
			ASPHALT OVER CONCRETE
			ASPHALT GRIND & OVERLAY
			2" HMA CL 1/2" PG. 64-22 OVER CSTC
			CEMENT CONC. SIDEWALK
			ADA ACCESS RAMP
			CEMENT CONC. ROADWAY
			2" CSTC

SHRUBS & TREES			
<b>EXIST.</b>	<b>REMOVE</b>	<b>DESCRIPTION</b>	
		SHRUB	
		CLASS 0 - TREE UNDER 4" DIAMETER	
		CLASS 1 - 4" TO 12" DIAMETER TREE	
		CLASS 2 - 12" TO 24" DIAMETER TREE	
		CLASS 3 - 24" TO 42" DIAMETER TREE	
		CLASS 4 - OVER 42" DIAMETER TREE	
		CLASS 5 - OVER 42" DIAMETER TREE, UNDER 30' TALL	

STORM & SANITARY SEWER UTILITY LINETYPES		FEATURE LINETYPES		PAVEMENT AND ROAD SURFACE TYPES				SHRUBS & TREES		
<b>EXISTING</b>	<b>REMOVE</b>	<b>NEW</b>	<b>DESCRIPTION</b>	<b>EXISTING</b>	<b>REMOVE</b>	<b>NEW</b>	<b>DESCRIPTION</b>	<b>EXIST.</b>	<b>REMOVE</b>	<b>DESCRIPTION</b>
			SANITARY SEWER		REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	BUILDING			SHRUB
			STORM CULVERT		REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	CURB & GUTTER			CLASS 0 - TREE UNDER 4" DIAMETER
			STORM SEWER CATCH BASIN LEAD		REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	CLEARING & GRUBBING			CLASS 1 - 4" TO 12" DIAMETER TREE
			STORM SEWER MAIN		REFER TO APPLICABLE PLAN	REFER TO APPLICABLE PLAN	CUT / FILL 2:1			CLASS 2 - 12" TO 24" DIAMETER TREE

<b>CALL BEFORE YOU DIG</b> EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLING AND AVOIDING ALL EXISTING UTILITIES.				NO _____ REVISION DATE APPD _____		FINAL CONSTRUCTION CHECKED _____ DATE OCT 2024 SCALE NTS				CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS 6TH AV & S 19TH ST RAIL CROSSING S. 19TH ST. & 6TH AV. SYMBOL SHEET		DocuSigned by:  67F124456F804A8 ENGINEERING DIVISION MANAGER		SHEET NO. _____ PAGE 1 OF 13	
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**CONSTRUCTION NOTES**

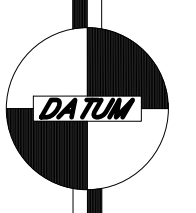
- 1) CONSTRUCT BRASS Poured MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
- 2) PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
- 3) TO BE ADJUSTED BY OTHERS
- 4) TO BE INSTALLED BY BNSF
- 5) ADJUST TO GRADE PER SPECIFICATION 7-05
- 6) ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
- 7) CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES
- 8) CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03
- 9) CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
- 10) GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE
- 11) SHAPE TO GRADE AND PLACE 4 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE OVER 6 INCH CRUSHED SURFACING BASE COURSE
- 12) CONSTRUCT PEDESTRIAN SWING GATE PER THE DETAIL ON PG 11 & PG 12 AND/OR AS DESCRIBED IN SPECIFICATIONS SECTION 8-35
- 13) CONSTRUCT BLACK COMMERCIAL GRADE ORNAMENTAL FENCE, 48" TALL
- 14) CONSTRUCT BLACK COMMERCIAL SINGLE ORNAMENTAL SINGLE GATE, 48" TALL
- 15) CONSTRUCT CEMENT CONCRETE 8" PAVEMENT
- 16) PLACE PLASTIC CROSSWALK PER CITY OF TACOMA STANDARD PLAN CH-01
- 17) PLACE 4 INCH PLASTIC CENTER LINE MARKING
- 18) PLACE PLASTIC 24 INCH STOP BAR
- 19) CONSTRUCT PEDESTRIAN CURB
- 20) CONSTRUCT BARRIER CURB
- 21) CONSTRUCT TEMPORARY ASPHALT CURB RAMP
- 22) PLACE PLASTIC WHITE 4" EDGE LINE
- 23) PLACE PLASTIC 24" CROSSHATCH LINE
- 24) SHAPE TO GRADE AND PLACE 3" HMA CL 1/2 PG 58H-22 over 2" CRUSHED SURFACING TOP COURSE OVER 5" CRUSHED SURFACING BASE COURSE
- 25) PLACE R15-8 "LOOK" SIGN ON CROSSBUCK SUPPORTS, SEE SIGN DETAIL 1 ON PAGE 6
- 26) PLACE YELLOW DIAMOND SIGN WITH TEXT "LOOK" AND "ADDITIONAL TRAINS MAY APPROACH" PER SIGN DETAIL 2 ON PAGE 6 ON METAL POST
- 27) PLACE "ADDITIONAL TRAINS MAY APPROACH" (TEXT ONLY) WARNING SIGN WITH SUPPLEMENTAL "TWO TRACKS" PLAQUE SEE SIGN DETAIL 3 ON PAGE 6

**GENERAL NOTES**


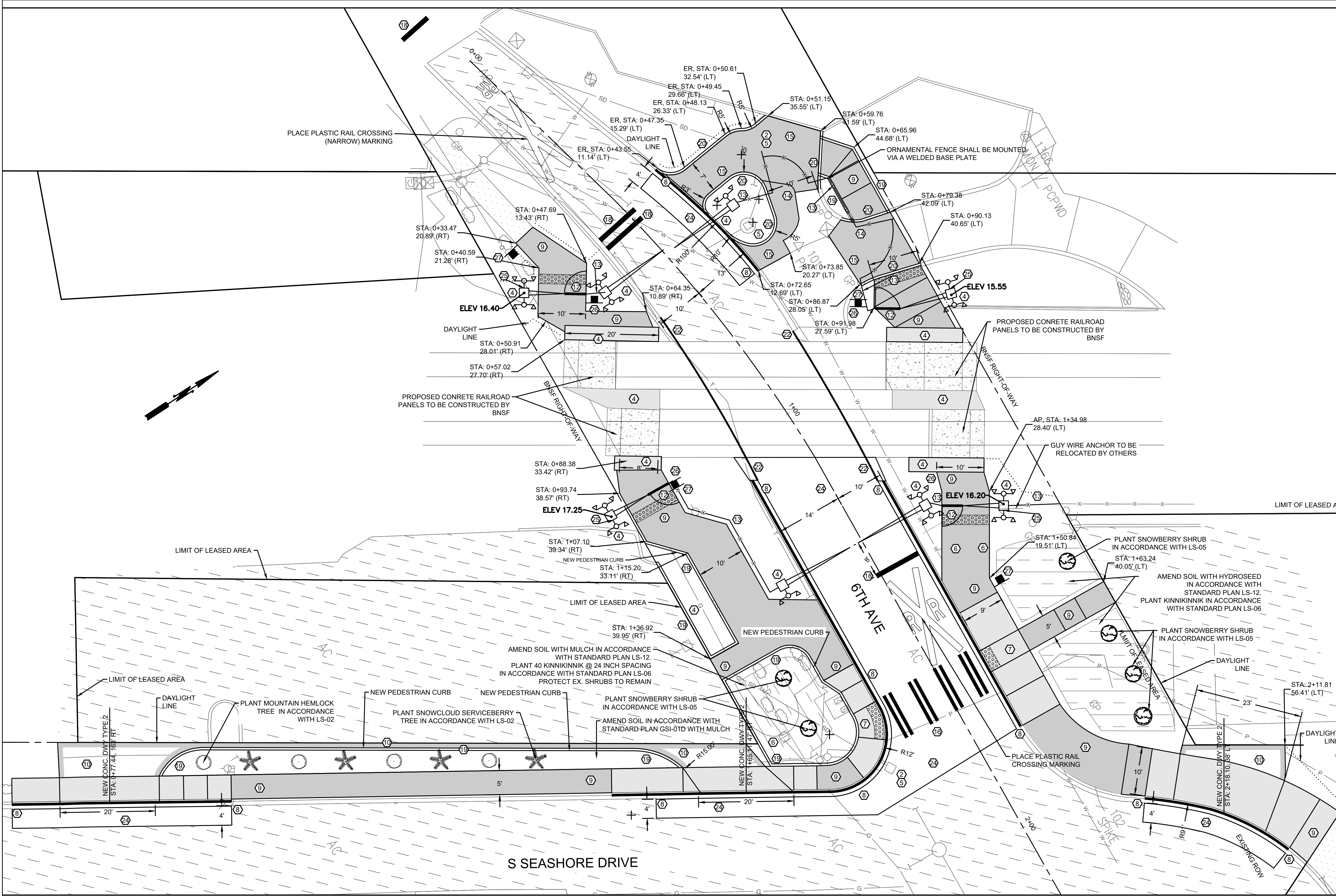
- 1) CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS
- 2) PROVIDE INLET PROTECTION TO EXISTING OR PROPOSED CATCHBASINS UNTIL REMOVED OR END OF CONSTRUCTION ACTIVITIES
- 3) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER BY CONVENTION SLOPE ARROWS POINT DOWNHILL
- 4) BY CONVENTION SLOPE ARROWS POINT DOWNHILL



**NOTES:**

1. REFER TO BNSF DIMENSION DETAIL SHEET, PG. 6, FOR DIMENSIONING DETAILS.
2. REFER TO ADA SHEETS, PG. 4 AND PG. 5, FOR CURB RAMP AND DRIVEWAY DETAILS
3. REFER TO PEDESTRIAN SWING GATE DETAILS SHEETS, PG. 11 AND PG. 12 AND/OR AS DESCRIBED IN SPECIFICATION SECTION 8-35
4. ALL RAILROAD GATES/ARMS TO BE CONSTRUCTED BY BNSF

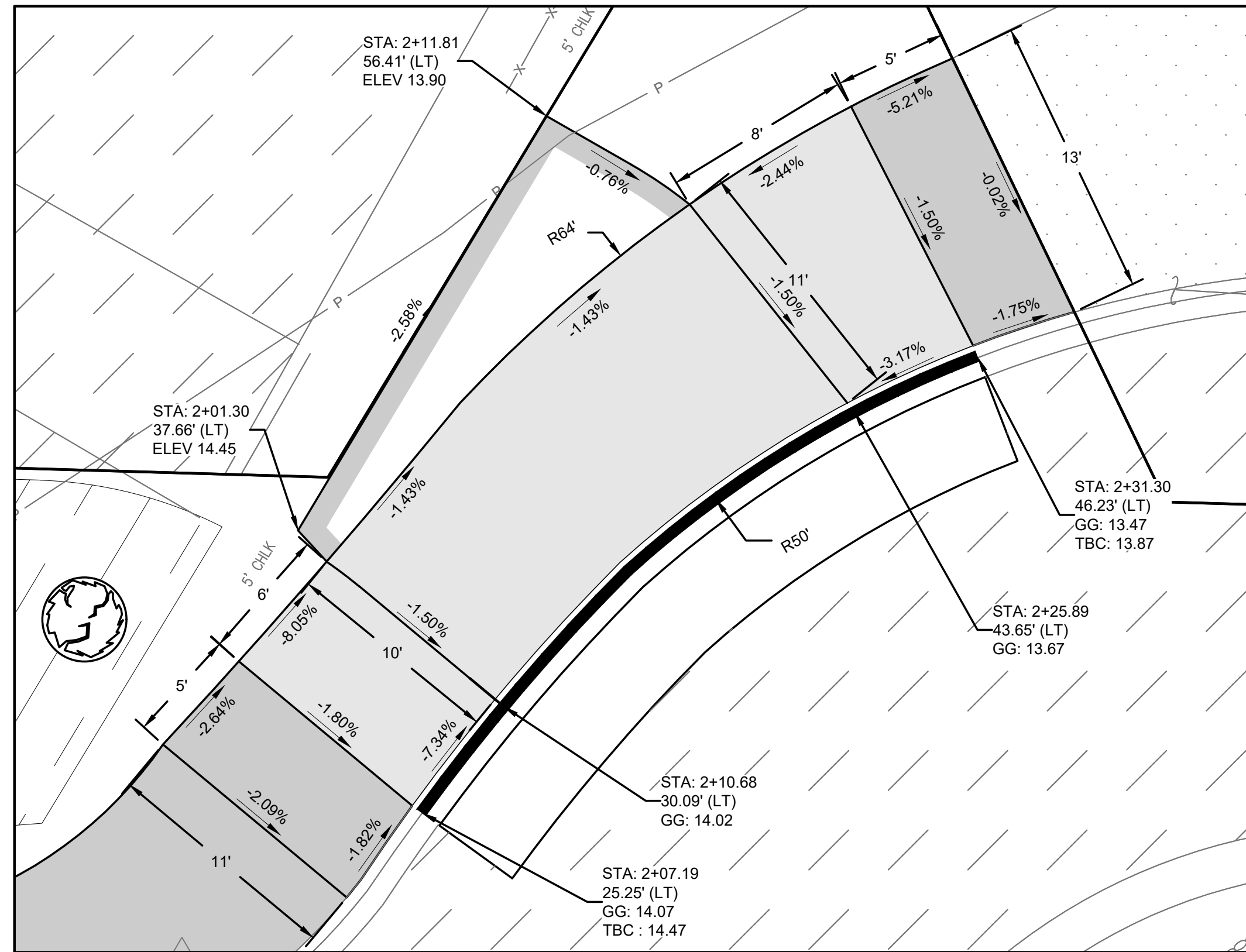
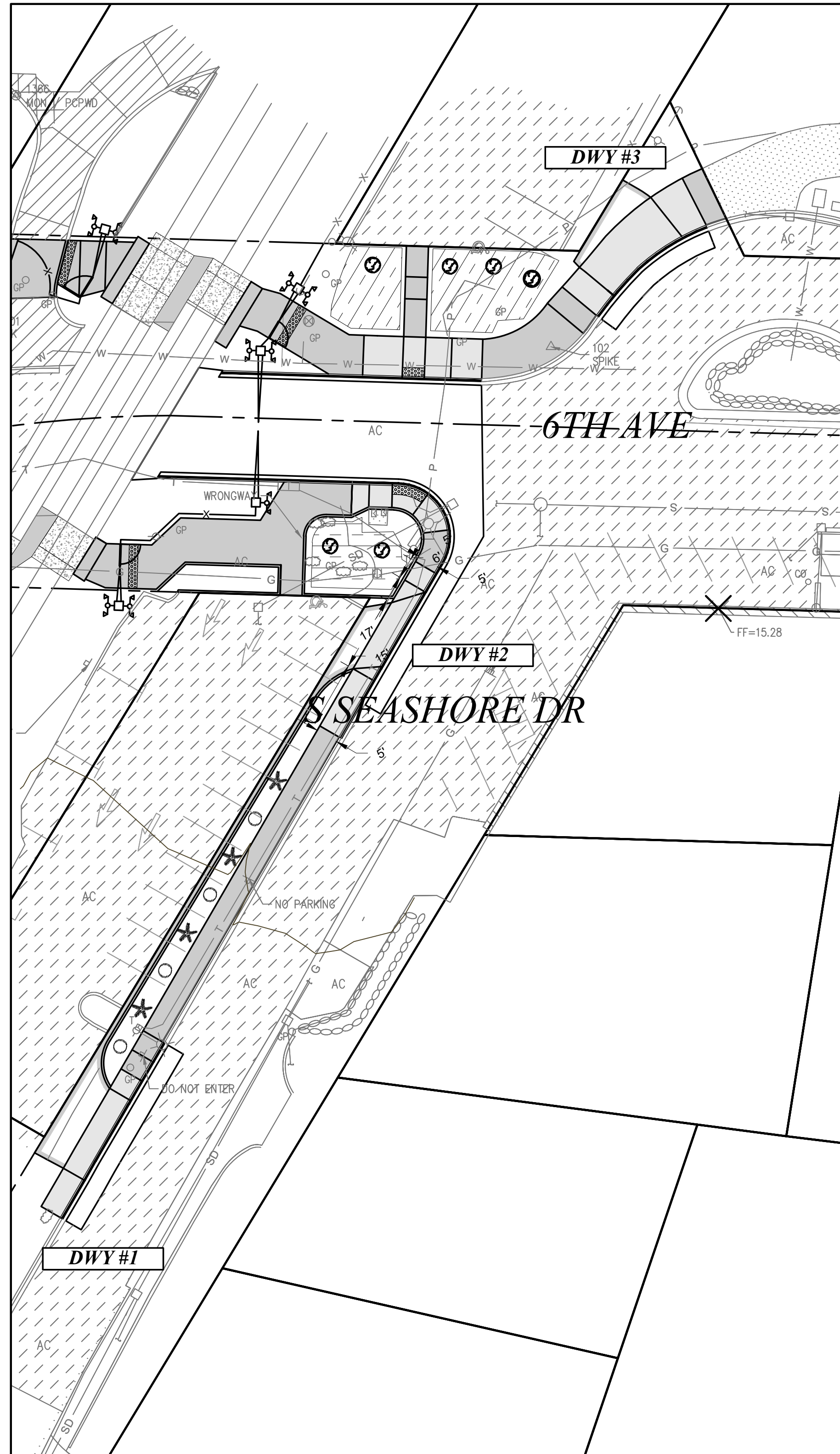

 HORIZ. DATUM: N.A.D. 83/91  
 VERT. DATUM: N.G.V.D. 29  
 BENCH MARK: #1273  
 INTERSECTION OF 6TH AVE AND WALTERS RD.  
 ELEVATION = 13.95

CITY OF TACOMA  
 DOT Crossing Inventory No: 085742D

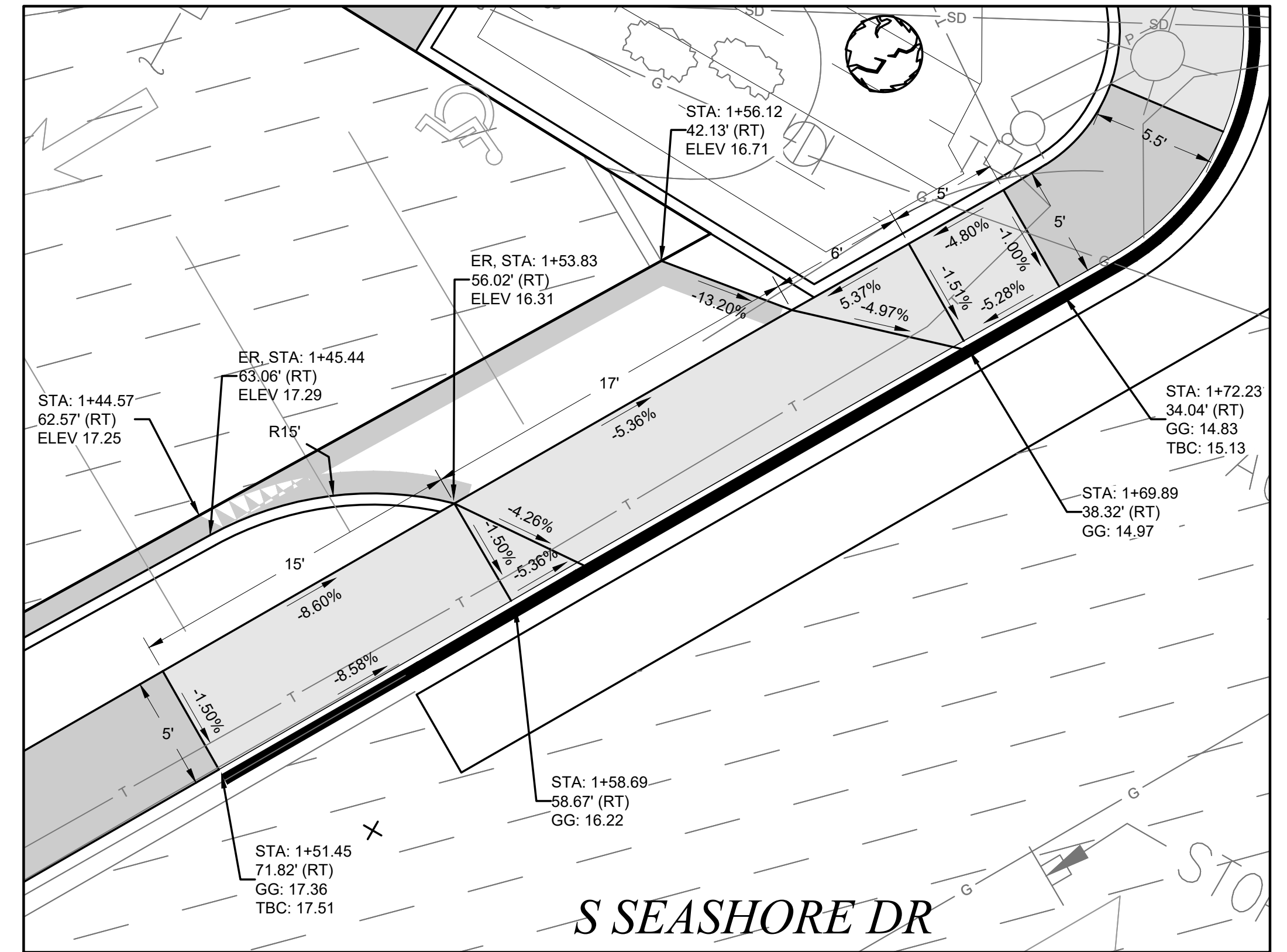



<p><b>CALL BEFORE YOU DIG</b></p> <p>EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLES AND AVOIDING ALL EXISTING UTILITIES.</p> <p>CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: <a href="http://www.callbeforeyoudig.org">www.callbeforeyoudig.org</a></p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NO</td> <td>REVISION</td> <td>DATE</td> <td>APPD</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO	REVISION	DATE	APPD					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>FINAL CONSTRUCTION CHECKED</td> <td>DATE</td> <td>SCALE</td> </tr> <tr> <td> </td> <td>OCT 2024</td> <td>1" = 10'</td> </tr> <tr> <td>DESIGNED</td> <td>BCW</td> <td>CHK</td> </tr> <tr> <td>CHECKED</td> <td> </td> <td> </td> </tr> <tr> <td>DRAWN</td> <td>BCW</td> <td>PROJECT NAME</td> </tr> <tr> <td> </td> <td> </td> <td>6TH AVE</td> </tr> <tr> <td>DRAWING NAME</td> <td> </td> <td> </td> </tr> </table>	FINAL CONSTRUCTION CHECKED	DATE	SCALE		OCT 2024	1" = 10'	DESIGNED	BCW	CHK	CHECKED			DRAWN	BCW	PROJECT NAME			6TH AVE	DRAWING NAME			 <p>DocuSigned by: <i>Jack Meluser</i> 7172 PROFESSIONAL ENGINEER</p>	<p>CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS</p> <p><b>RAIL CROSSING IMPROVEMENTS</b> 6TH AVENUE CONSTRUCTION PLAN</p>	<p>RAIL-1280(039)</p> <p>PWK-01017</p> <p>SHEET NO. 3 OF 13</p>
NO	REVISION	DATE	APPD																																
FINAL CONSTRUCTION CHECKED	DATE	SCALE																																	
	OCT 2024	1" = 10'																																	
DESIGNED	BCW	CHK																																	
CHECKED																																			
DRAWN	BCW	PROJECT NAME																																	
		6TH AVE																																	
DRAWING NAME																																			

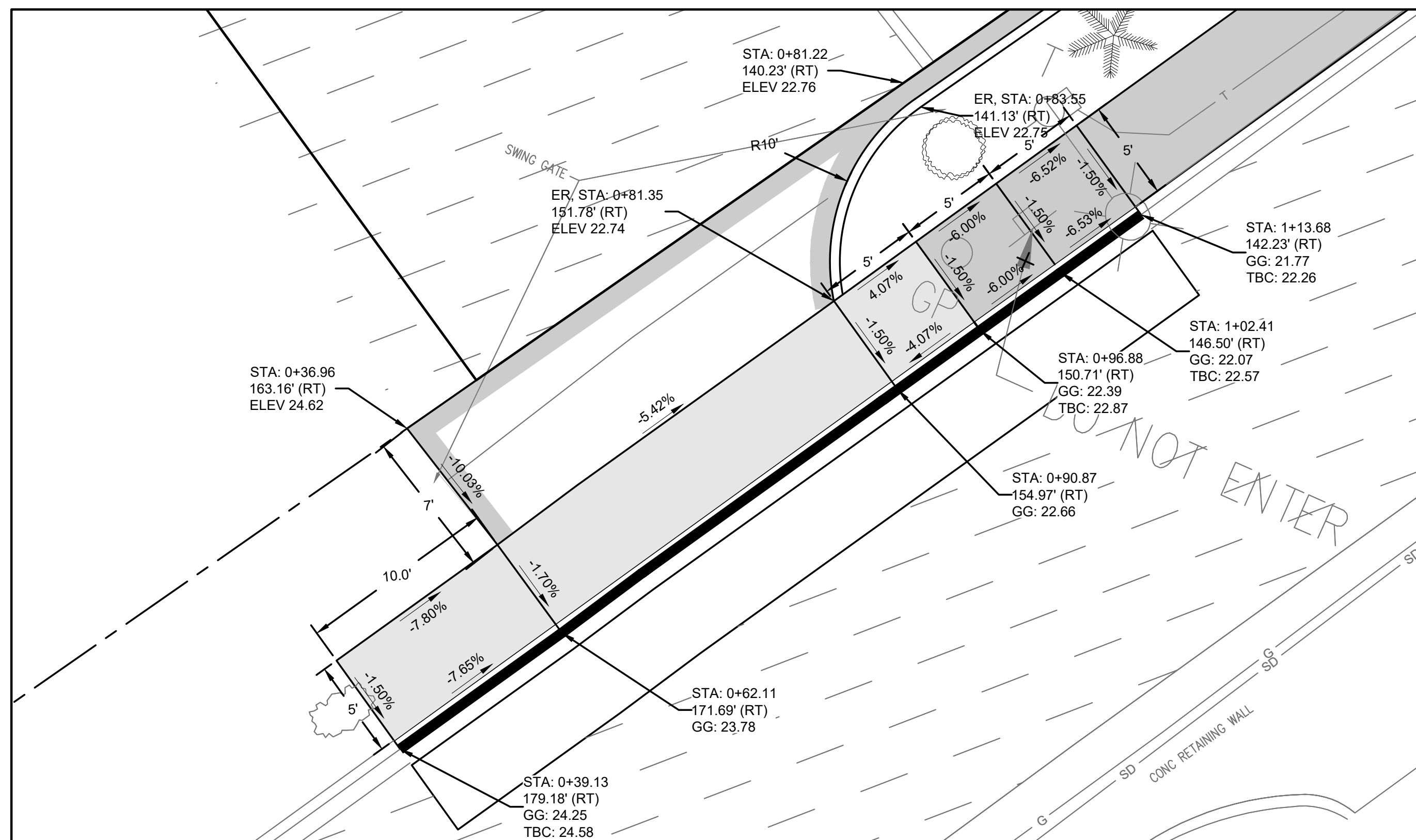




**NEW ADA RAMP DETAIL**  
**6TH AVE & S SEASHORE DR**  
 SCALE: 1" = 5'  
 SW. CORNER



**NEW ADA RAMP DETAIL**  
**6TH AVE & S SEASHORE DR**  
 SCALE: 1" = 5'  
 SW. CORNER

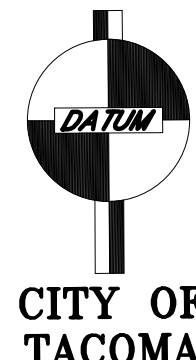


**NEW ADA RAMP DETAIL**  
**6TH AVE & S SEASHORE DR**  
 SCALE: 1" = 5'  
 SW. CORNER

**GENERAL NOTES:**

- 1) CONTRACTOR SURVEY CREWS TO STAKE PROPOSED CURB RAMPS.
- 2) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.
- 3) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.
- 4) REFER TO URBAN DESIGN DRAWING FOR SCORING OF CONCRETE.

JOINT: JT
SAW CUT: SC
MATCH EXISTING: ME
GUTTER GRADE: GG
BACK OF CURB: BOC
TOP BACK OF CURB: TBC
TOP OF WALL: TOW
TOP OF GRADE: TOG
GRADE BREAK: GB



HORIZ. DATUM: N.A.D. 83/91  
 VERT. DATUM: N.G.V.D. 29  
 BENCH MARK: #1273  
 INTERSECTION OF 6TH AVE  
 AND WALTERS RD.  
 ELEVATION = 13.95

**CITY OF TACOMA**

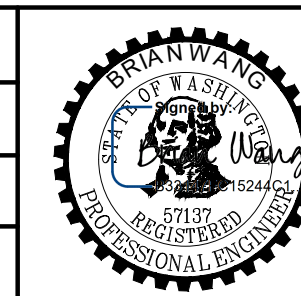
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CALL TWO BUSINESS DAYS BEFORE YOU DIG  
 (1-800-424-5555) OR VISIT ONLINE: [www.callbeforeyoudig.org](http://www.callbeforeyoudig.org)



NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	OCT 2024	VARIES
DESIGNED	CHECKED	
BCW	Chk	
DRAWN	PROJECT NAME	
BCW	6TH AV	
FIELD BOOKS	DRAWING NAME	
	6TH AV - ADA	



DocuSigned by:  
**Jack Meluser**  
 37F12412645656  
 LICENSED PROFESSIONAL ENGINEER

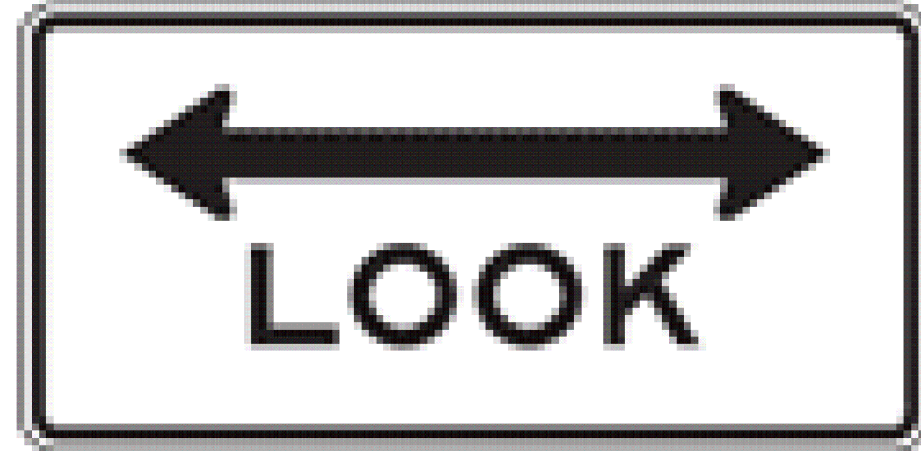
**CITY OF TACOMA**  
**DEPARTMENT OF PUBLIC WORKS**  
**RAIL CROSSING IMPROVEMENTS**  
 6TH AV  
 ADA PLAN

**RAIL-1280(039)**  
**PWK-01017**  
 SHEET NO.  
 SHEET 5 OF 13

10/22/2024

# SIGN DETAILS:

DETAIL 1: "LOOK" SIGN  
18" H X 36" W



R15-8



30"

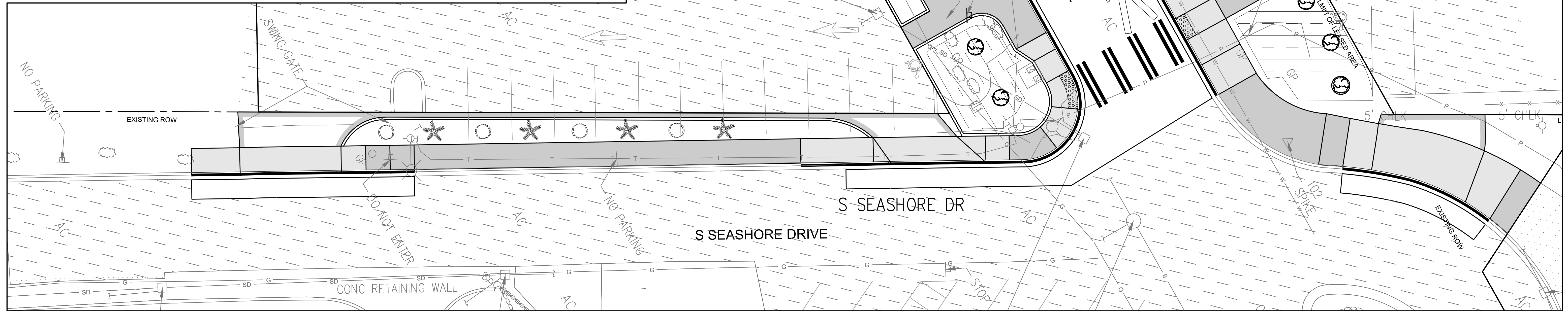
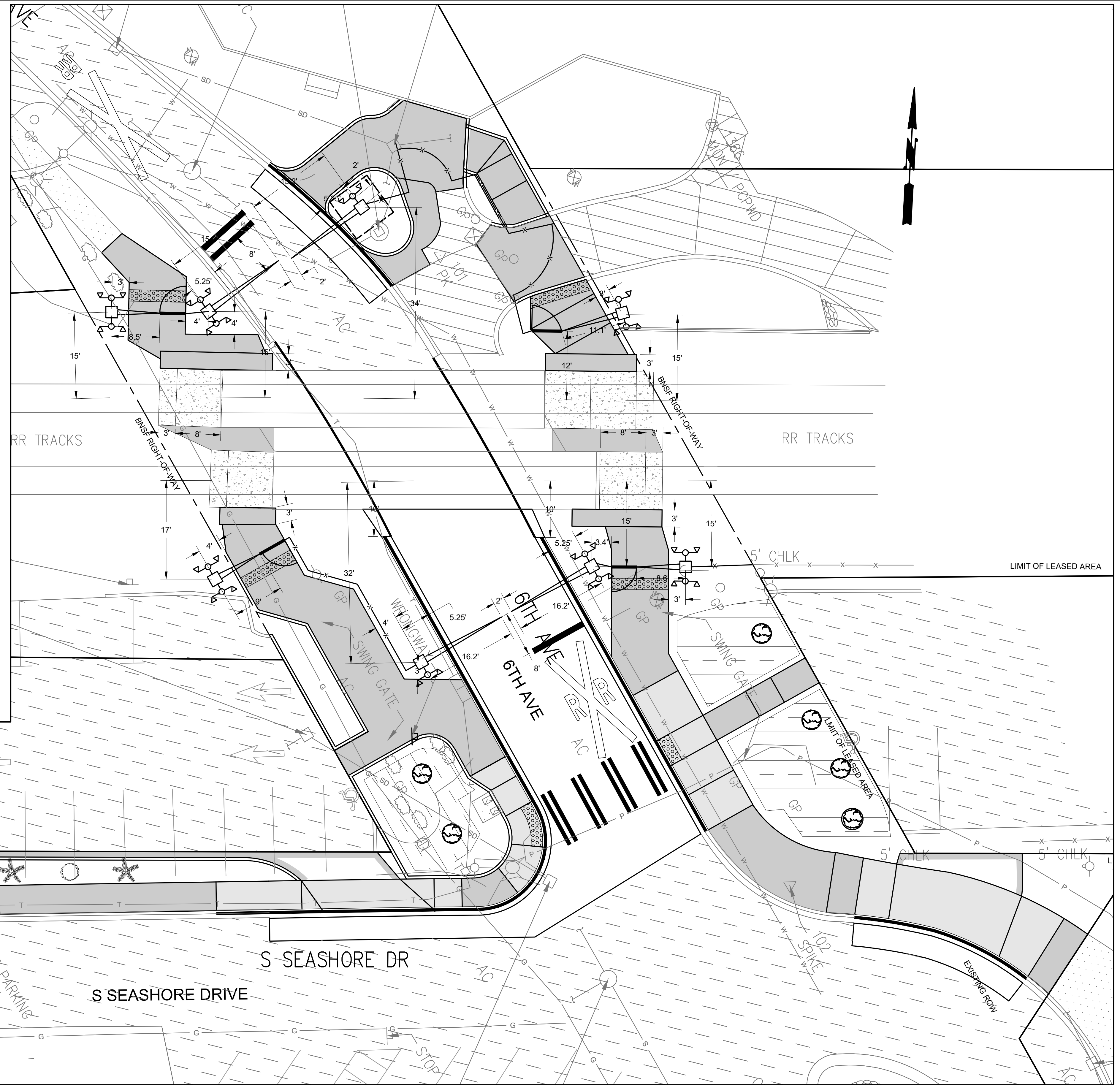


12"

24"

DETAIL 3: "ADDITIONAL TRAINS MAY APPROACH" SIGN  
30" DIAGONAL  
"TWO TRACKS" PLAQUE  
12" H X 24" W

DETAIL 2: "LOOK" WITH "ADDITIONAL TRAINS MAY APPROACH" SIGN  
30" DIAGONAL



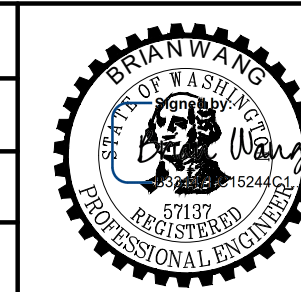
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NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE	SCALE
DESIGNED	OCT 2024	1" = 20'
BY	BCW	CHEK
DATE		
DRAWN	BCW	PROJECT NAME
		6TH AV
FIELD BOOKS	DRAWING NAME	
	6TH AV - DETAIL	

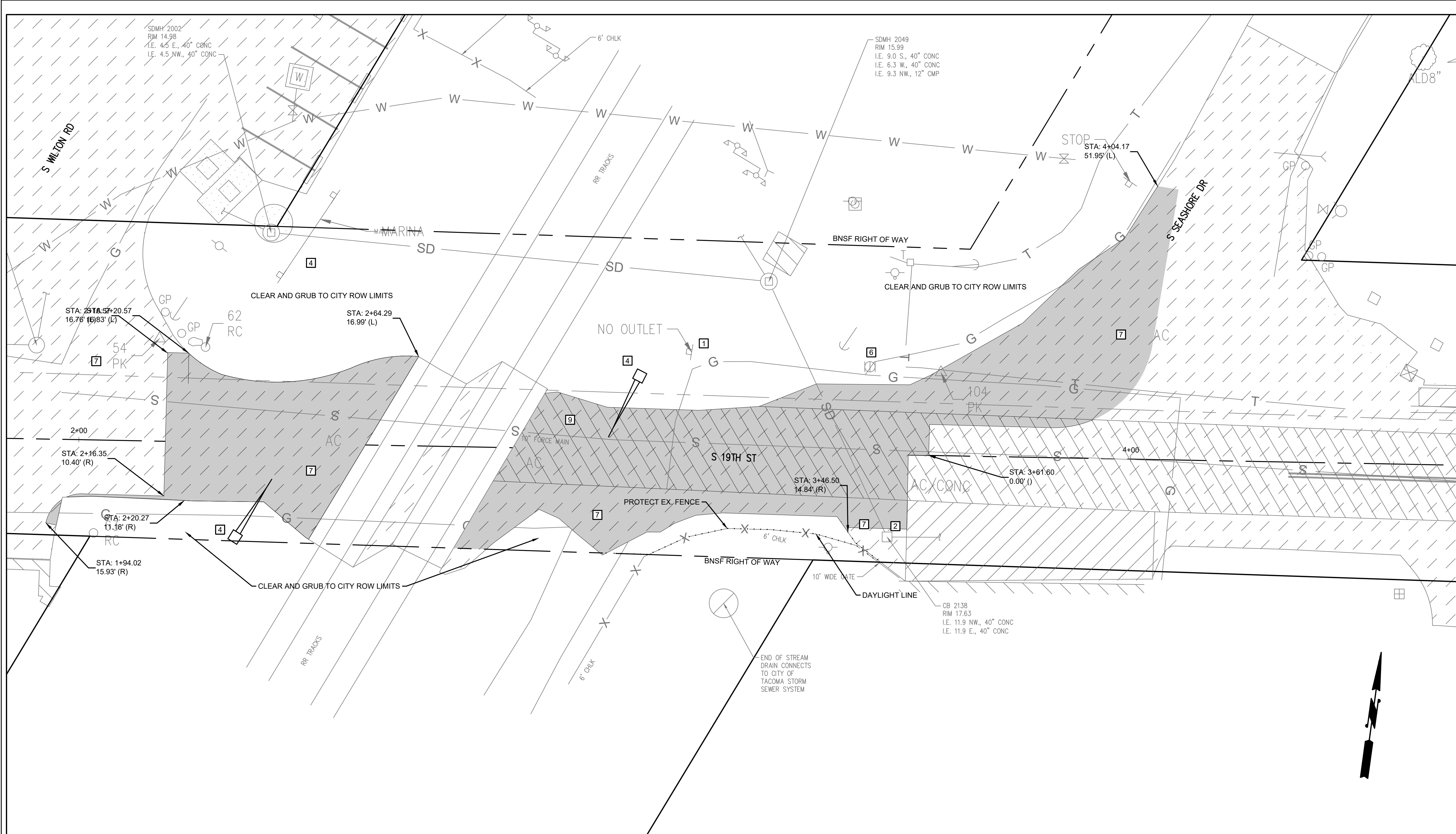


DocuSigned by:  
**Jack Meluser**  
ENGINEERING DIVISION MANAGER

CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS  
RAIL CROSSING IMPROVEMENTS  
6TH AV  
BNSF DIMENSION DETAIL PLAN

RAIL-1280(039)  
PWK-01017  
SHEET NO.  
SHEET 6 OF 13


10/22/2024

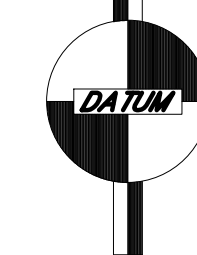


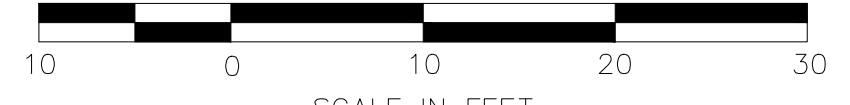
- ### DEMOLITION NOTES
- 1) TO BE REMOVED
  - 2) PROVIDE INLET PROTECTION TO EXISTING CATCH BASIN PER SPECIFICATION 8-01 UNTIL REMOVAL OR END OF CONSTRUCTION ACTIVITIES
  - 3) TO BE ADJUSTED BY OTHERS
  - 4) TO BE REMOVED AND REPLACED BY OTHERS
  - 5) ADJUST TO GRADE PER SPECIFICATION 7-05
  - 6) ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
  - 7) REMOVE CLASS 'A' PAVEMENT PER SPECIFICATION SECTION 2-14
  - 8) REMOVE CLASS 'C' PAVEMENT PER SPECIFICATION SECTION 2-14
  - 9) REMOVE CLASS 'CA' PAVEMENT PER SPECIFICATION SECTION 2-14
  - 10) REMOVE CURB PER SPECIFICATION SECTION 2-15
  - 11) REMOVE GUARDRAIL PER SPECIFICATION SECTION 2-02
  - 12) REMOVE CHAIN LINK FENCE PER SPECIFICATION SECTION 2-02

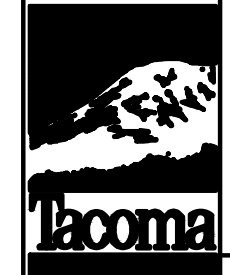
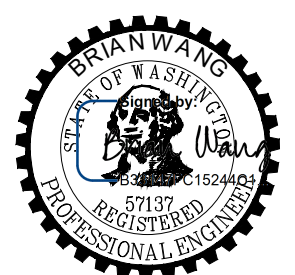

- ### GENERAL NOTES
- 1) CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS
  - 2) PROVIDE INLET PROTECTION TO EXISTING OR PROPOSED CATCHBASINS UNTIL REMOVED OR END OF CONSTRUCTION ACTIVITIES
  - 3) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER
  - 4) BY CONVENTION SLOPE ARROWS POINT DOWNHILL

- NOTES:
1. REFER TO DETAIL SHEET, PG. 10, FOR DIMENSIONING DETAILS.
  2. REFER TO ADA SHEET, PG. 9, FOR CURB RAMP DETAILS

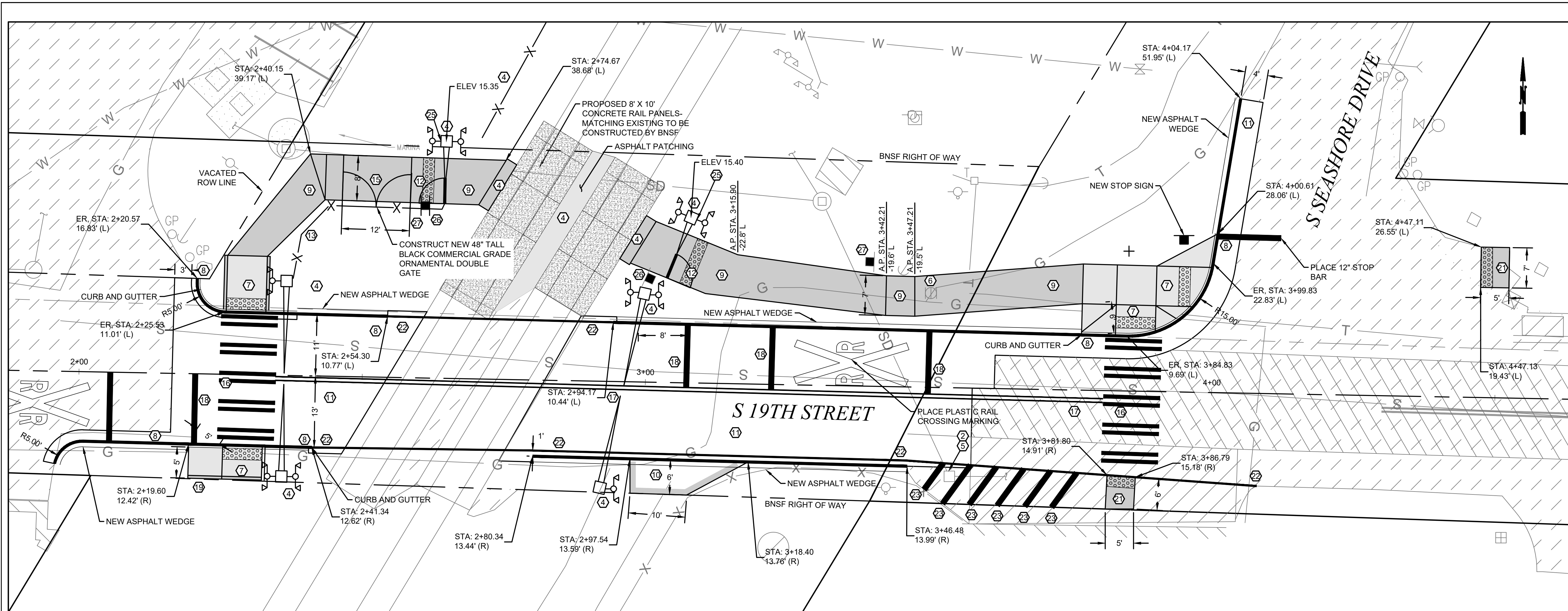

  
 HORIZ. DATUM: N.A.D. 83/91  
 VERT. DATUM: N.G.V.D. 29  
 BENCH MARK: #1273  
 INTERSECTION OF 6TH AVE AND WALTERS RD.  
 ELEVATION = 13.95


  
**CITY OF TACOMA**


  
 SCALE IN FEET

<b>CALL BEFORE YOU DIG</b> EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POTHOLES AND AVOIDING ALL EXISTING UTILITIES. CALL TWO BUSINESS DAYS BEFORE YOU DIG (1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org				NO _____ REVISION _____ DATE _____ APPD _____		FINAL CONSTRUCTION CHECKED _____ DATE <b>OCT 2024</b> SCALE <b>1" = 10'</b> DESIGNED <b>BCW</b> CHECKED <b>Chk</b> DRAWN <b>BCW</b> PROJECT NAME <b>19TH ST</b> FIELD BOOKS _____ DRAWING NAME _____				<b>CITY OF TACOMA</b> <b>DEPARTMENT OF PUBLIC WORKS</b> DocuSigned by:  317 1280 PERS. DIVISION MANAGER		<b>RAIL-1280(039)</b> <b>S 19TH STREET RAIL CROSSING</b> <b>S 19TH STREET DEMOLITION PLAN</b> SHEET NO. _____ SHEET <b>7</b> OF <b>13</b>	
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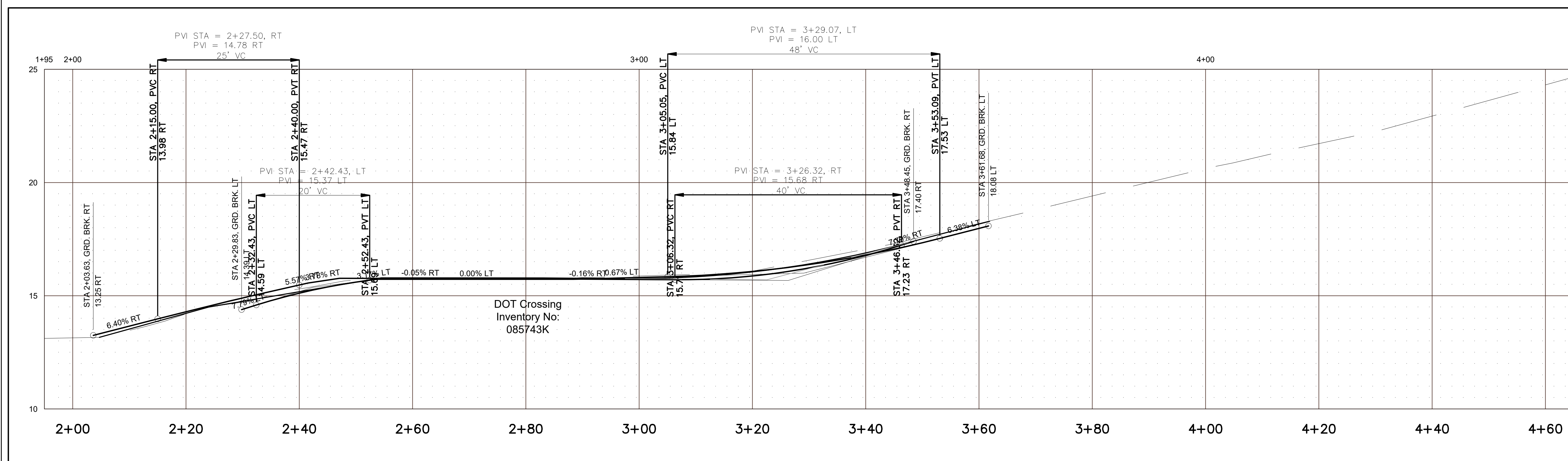




- ### CONSTRUCTION NOTES
- CONSTRUCT BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
  - PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
  - TO BE ADJUSTED BY OTHERS
  - TO BE INSTALLED BY BNSF PER RAIL REQUIREMENTS AND STANDARDS.
  - ADJUST TO GRADE PER SPECIFICATION 7-05
  - ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
  - CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES
  - CONSTRUCT CEMENT CONCRETE TRAFFIC CURB AND GUTTER PER CITY OF TACOMA STANDARD PLAN SU-03
  - CONSTRUCT CEMENT CONCRETE SIDEWALK PER CITY OF TACOMA STANDARD PLAN SU-04
  - GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE
  - SHAPE TO GRADE AND PLACE 4 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE OVER 6 INCH CRUSHED SURFACING BASE COURSE.
  - CONSTRUCT PEDESTRIAN SWING GATE PER THE DETAIL ON PG 11 & PG 12 AND/OR AS DESCRIBED IN SPECIFICATION SECTION 8-35
  - CONSTRUCT BLACK COMMERCIAL GRADE ORNAMENTAL FENCE, 48" TALL
  - CONSTRUCT BLACK COMMERCIAL GRADE ORNAMENTAL SINGLE GATE, 48" TALL.
  - CONSTRUCT CEMENT CONCRETE 8" PAVEMENT.
  - PLACE PLASTIC CROSSWALK PER CITY OF TACOMA STANDARD PLAN CH-01
  - PLACE 4 INCH PLASTIC CENTER LINE MARKING
  - PLACE PLASTIC STOP BAR PER CITY OF TACOMA STANDARD PLAN CH-01
  - CONSTRUCT PEDESTRIAN CURB
  - CONSTRUCT BARRIER CURB
  - CONSTRUCT TEMPORARY ASPHALT CURB RAMP
  - PLACE PLASTIC WHITE 4" EDGE LINE
  - PLACE PLASTIC 24" CROSSHATCH LINE
  - SHAPE TO GRADE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE
  - PLACE R15-8 "LOOK" SIGN ON METAL POST, SEE SIGN DETAIL ON PAGE 6
  - PLACE YELLOW DIAMOND SIGN WITH TEXT "LOOK" AND "ADDITIONAL TRAINS MAY APPROACH" PER SIGN DETAIL ON PAGE 6 ON METAL POST
  - PLACE "ADDITIONAL TRAINS MAY APPROACH" (TEXT ONLY) WARNING SIGN WITH SUPPLEMENTAL "TWO TRACKS" PLAQUE PER SIGN DETAIL ON PAGE 6

### GENERAL NOTES

- CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS



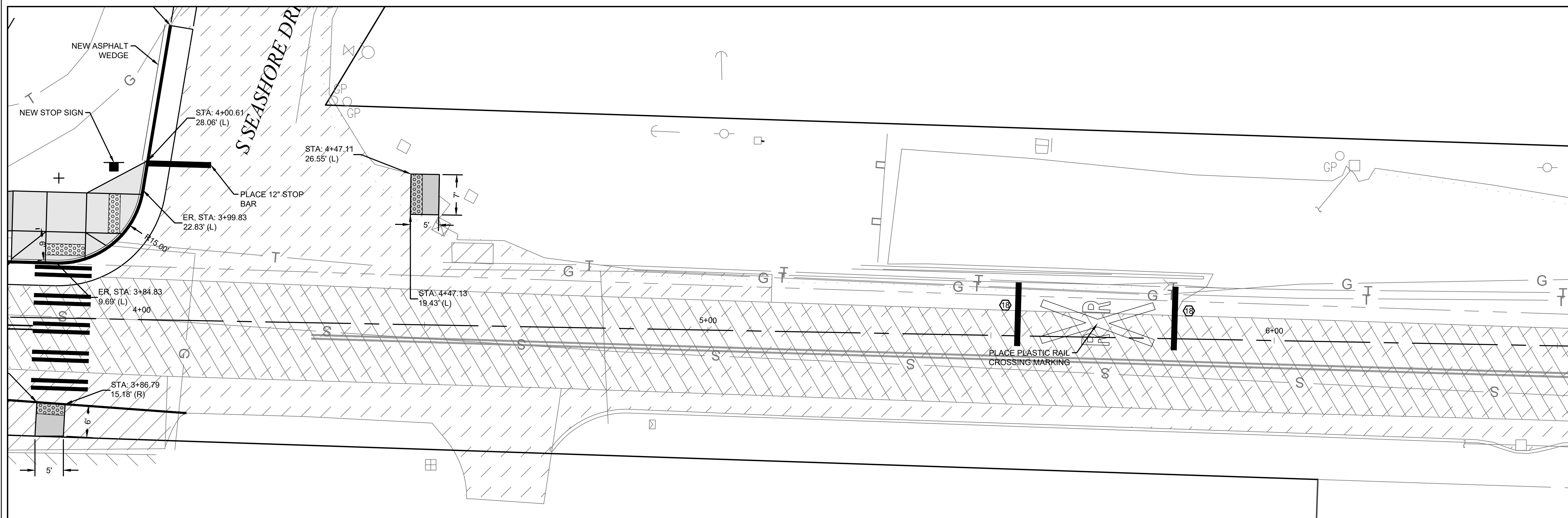
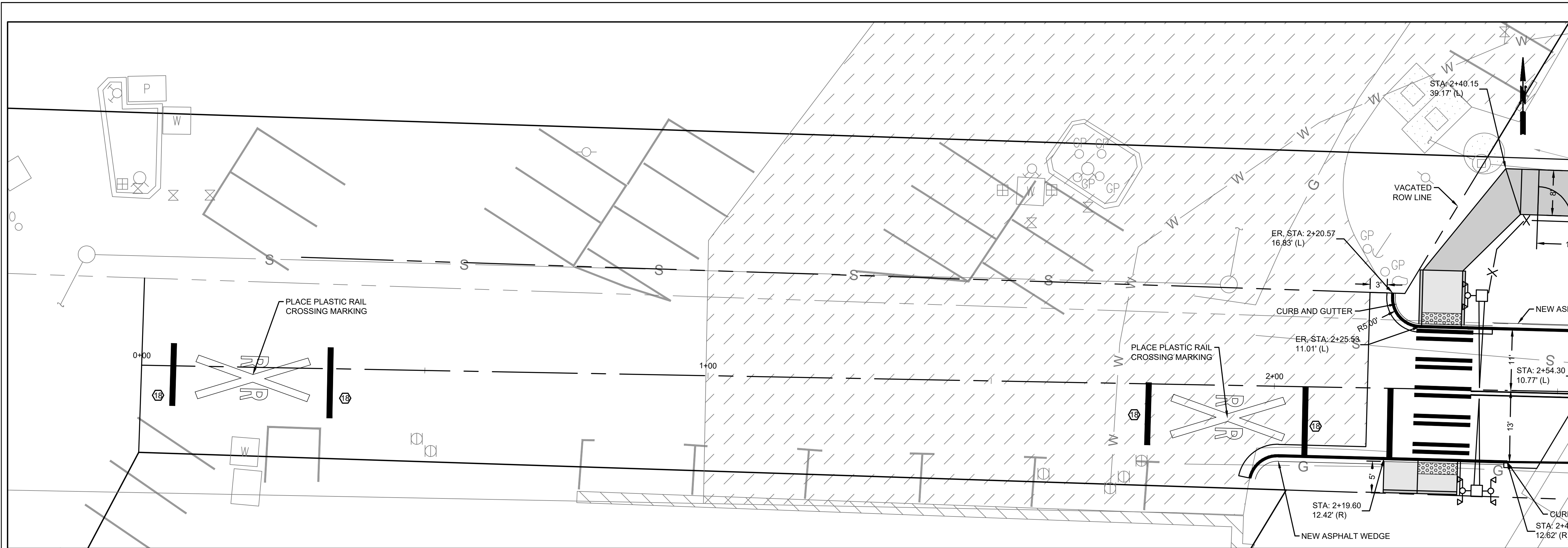
NOTES:

- REFER TO BNSF DIMENSION DETAIL SHEET, PG. 10, FOR DIMENSIONING DETAILS.
- REFER TO ADA SHEET, PG. 10, FOR CURB RAMP DETAILS
- REFER TO PEDESTRIAN SWING GATE DETAILS ON SHEETS, PG. 11 AND PG. 12 AND/OR AS DESCRIBED IN SPECIFICATION SECTIONS 8-35
- ALL RAILROAD GATES/ARMS TO BE CONSTRUCTED BY BNSF

HORIZ. DATUM: N.A.D. 83/91  
 VERT. DATUM: N.G.V.D. 29  
 BENCH MARK: #1273  
 INTERSECTION OF 6TH AVE AND WALTERS RD.  
 ELEVATION = 13.95

CITY OF TACOMA

10 0 10 20 30



**CONSTRUCTION NOTES**

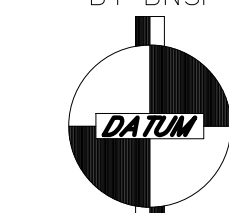
- 1) CONSTRUCT BRASS POURED MONUMENT PER CITY OF TACOMA STANDARD PLAN SU-01
- 2) PROVIDE INLET PROTECTION TO PROPOSED CATCH BASIN PER SPECIFICATION 8-01 UNTIL END OF CONSTRUCTION ACTIVITIES
- 3) TO BE ADJUSTED BY OTHERS
- 4) TO BE INSTALLED BY BNSF PER RAIL REQUIREMENTS AND STANDARDS.
- 5) ADJUST TO GRADE PER SPECIFICATION 7-05
- 6) ADJUST EXISTING VALVE PER CITY OF TACOMA STANDARD SU-37
- 7) CONSTRUCT CEMENT CONCRETE CURB RAMP PER CITY OF TACOMA STANDARD PLAN SU-05 SERIES
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- 10) GRADE FOR POSITIVE DRAINAGE AND PLACE 2 INCH HMA CL 1/2 INCH PG 58H-22 OVER 2 INCH CRUSHED SURFACING TOP COURSE
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- 13) CONSTRUCT BLACK COMMERCIAL GRADE ORNAMENTAL FENCE, 48" TALL.
- 14) CONSTRUCT BLACK COMMERCIAL GRADE ORNAMENTAL SINGLE GATE, 48" TALL.
- 15) CONSTRUCT CEMENT CONCRETE 8" PAVEMENT.
- 16) PLACE PLASTIC CROSSWALK PER CITY OF TACOMA STANDARD PLAN CH-01
- 17) PLACE 4 INCH PLASTIC CENTER LINE MARKING
- 18) PLACE PLASTIC STOP BAR PER CITY OF TACOMA STANDARD PLAN CH-01
- 19) CONSTRUCT PEDESTRIAN CURB
- 20) CONSTRUCT BARRIER CURB
- 21) CONSTRUCT TEMPORARY ASPHALT CURB RAMP
- 22) PLACE PLASTIC WHITE 4" EDGE LINE
- 23) PLACE PLASTIC 24" CROSSHATCH LINE
- 24) SHAPE TO GRADE AND PLACE 2 INCH CRUSHED SURFACING TOP COURSE
- 25) PLACE R15-8 "LOOK" SIGN ON METAL POST, SEE SIGN DETAIL ON PAGE 6
- 26) PLACE YELLOW DIAMOND SIGN WITH TEXT "LOOK" AND "ADDITIONAL TRAINS MAY APPROACH" PER SIGN DETAIL ON PAGE 6 ON METAL POST
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**GENERAL NOTES**

- 1) CONTRACTOR'S SURVEYOR TO STAKE PROPOSED CURB RAMPS

**NOTES:**

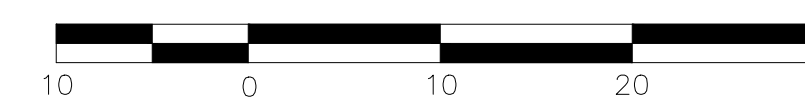
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 AND WALTERS RD.  
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**CITY OF TACOMA**

DOT Crossing  
 Inventory No:  
 085743K



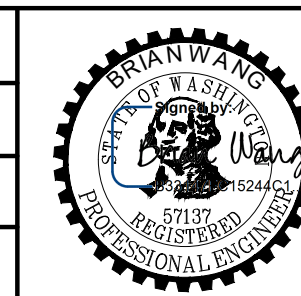
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NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	OCT 2024	1" = 10'
DESIGNED		CHECKED
BCW		Chk
DRAWN		PROJECT NAME
BCW		S 19TH ST
FIELD BOOKS	DRAWING NAME	



DocuSigned by:  
*Jack Meluser*  
 317 424 5555  
 CITY ENGINEERING DIVISION MANAGER

**CITY OF TACOMA**  
**DEPARTMENT OF PUBLIC WORKS**

**RAIL CROSSING IMPROVEMENTS**  
**S 19TH STREET**  
**CONSTRUCTION PLAN**

RAIL-1280(039)

PWK-01017

SHEET NO.  
 SHEET 9 OF 13

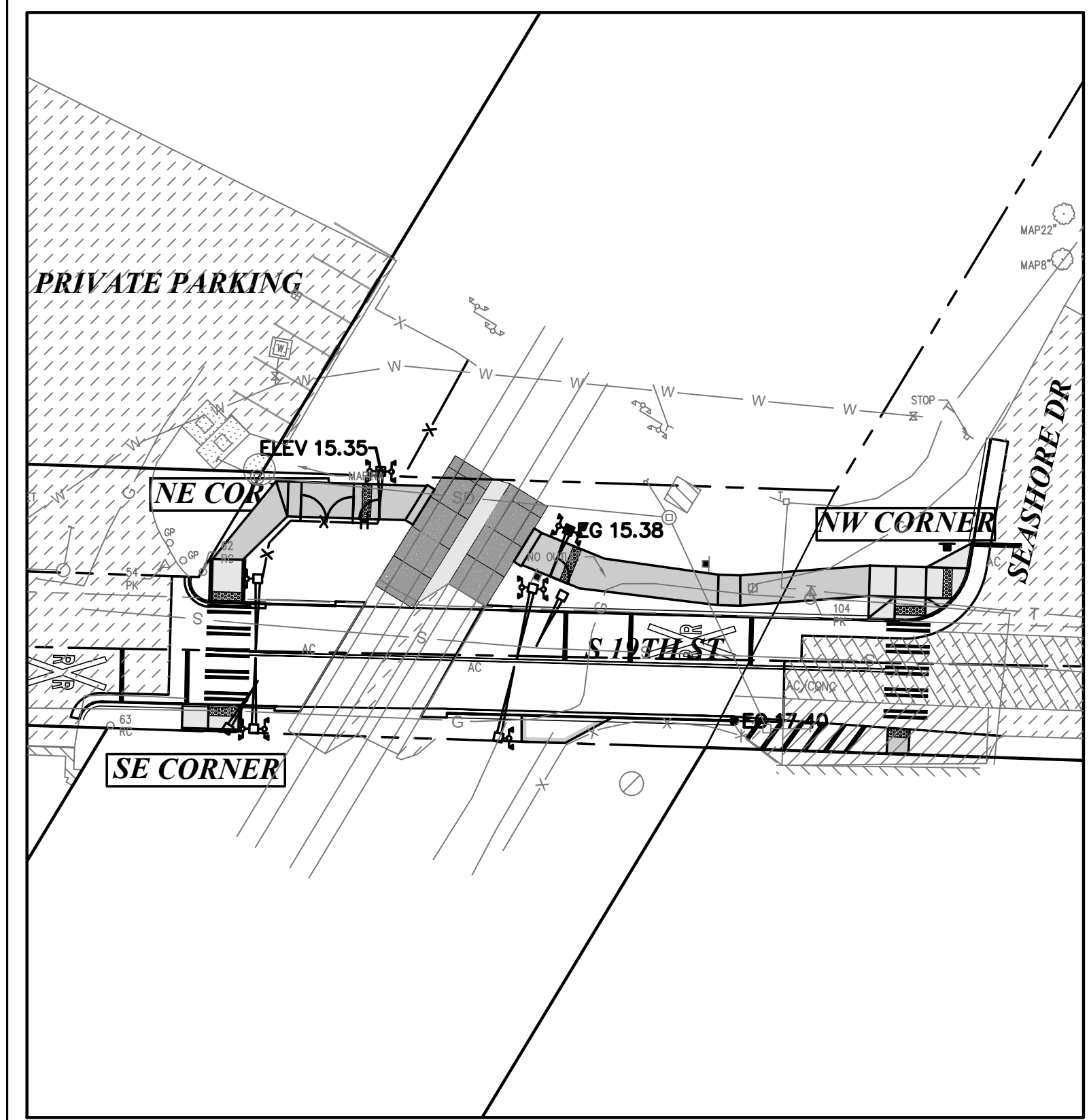
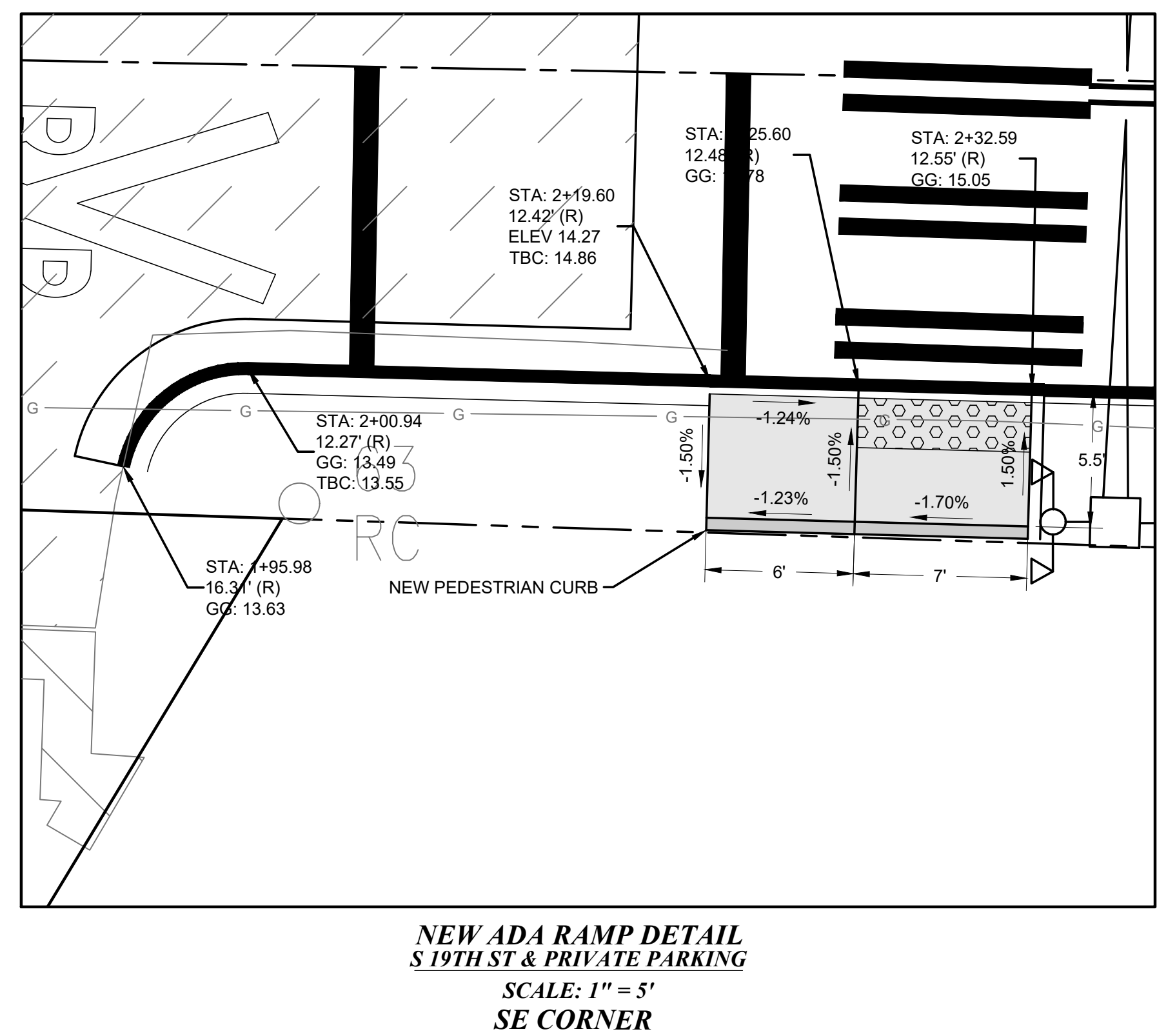
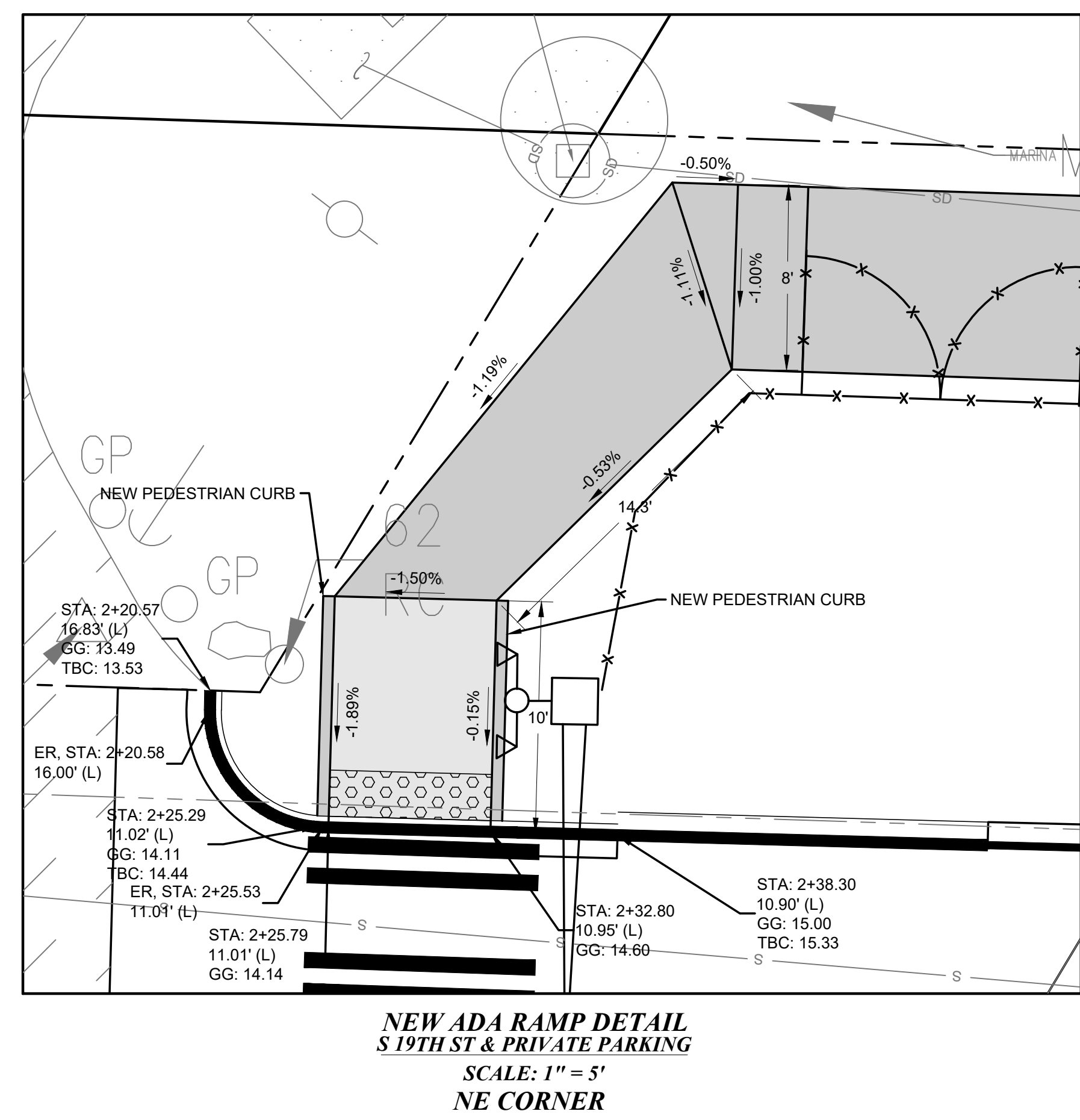
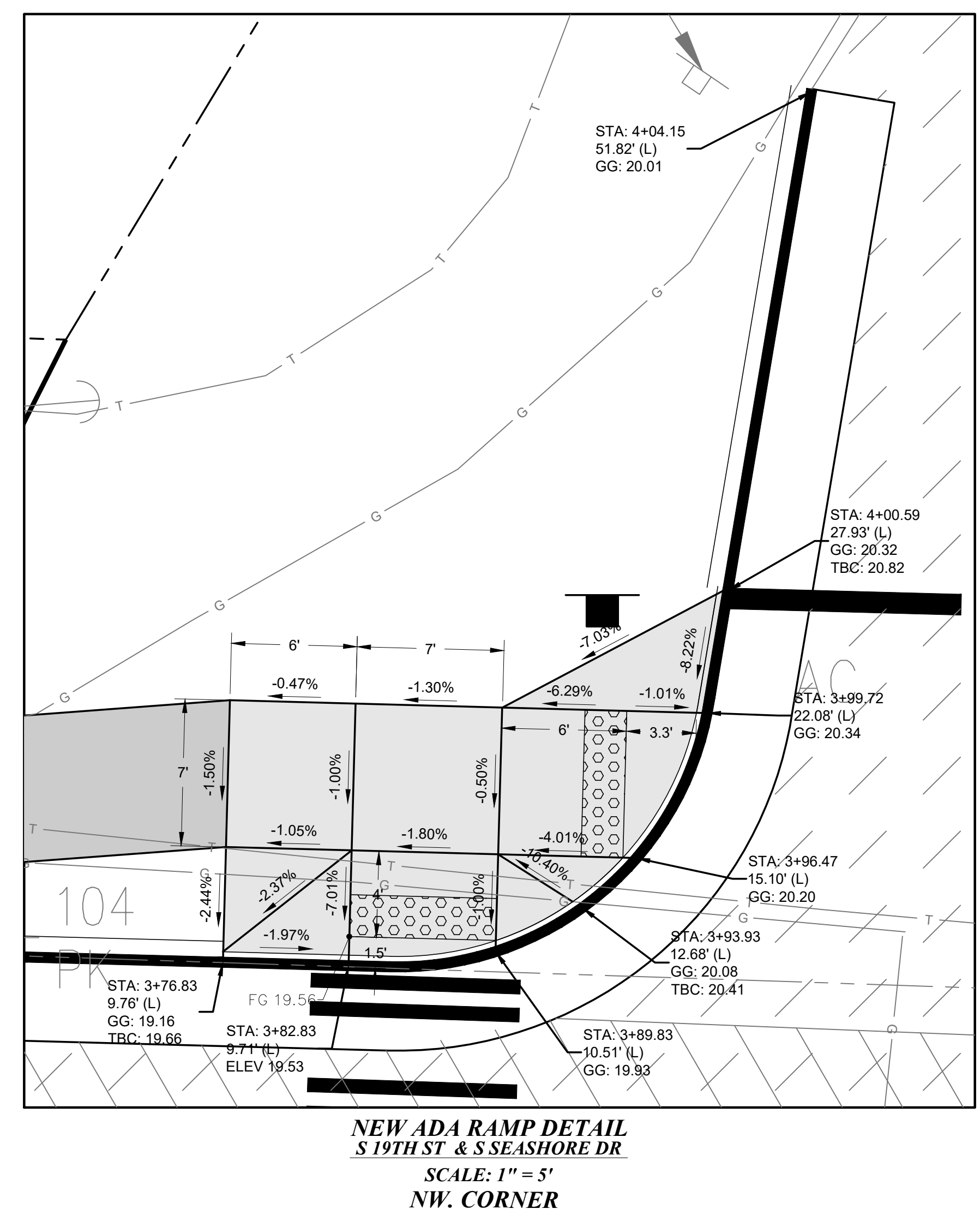
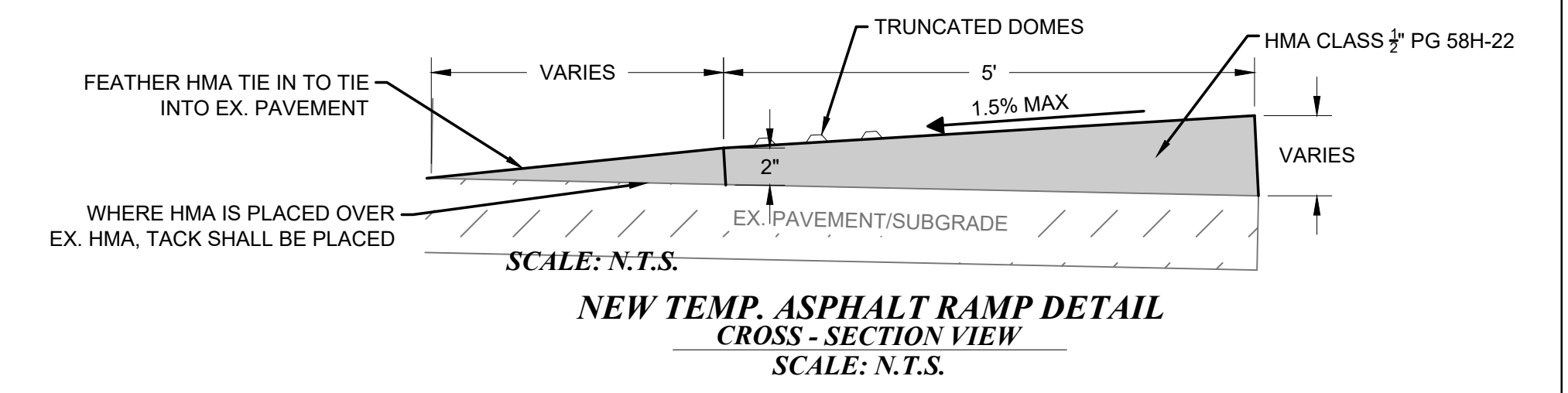
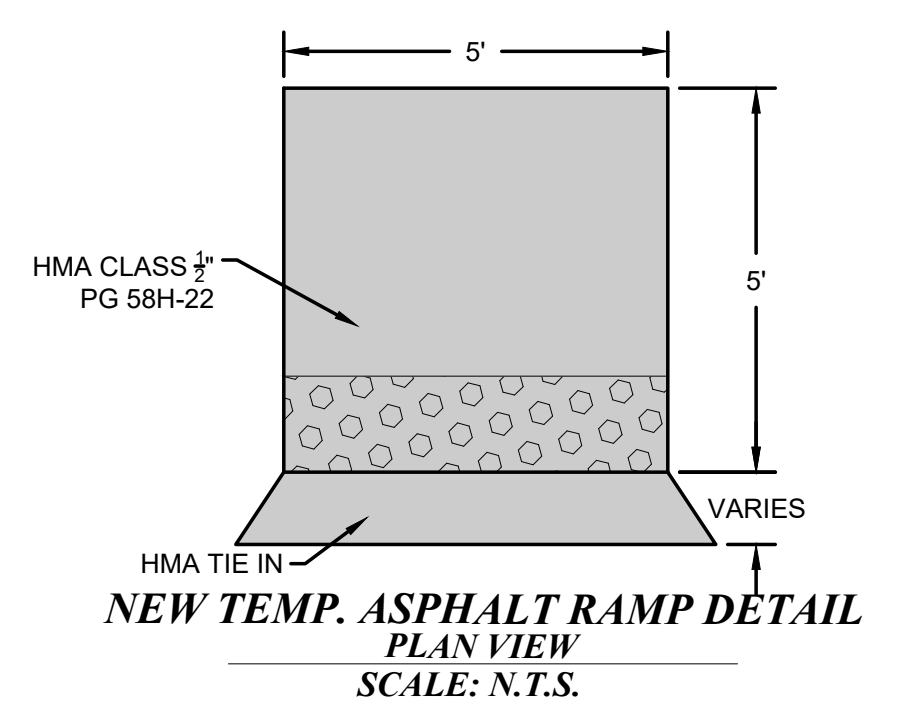
10/22/2024

**GENERAL NOTES:**

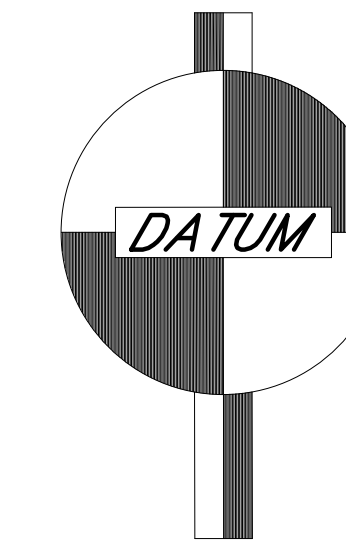
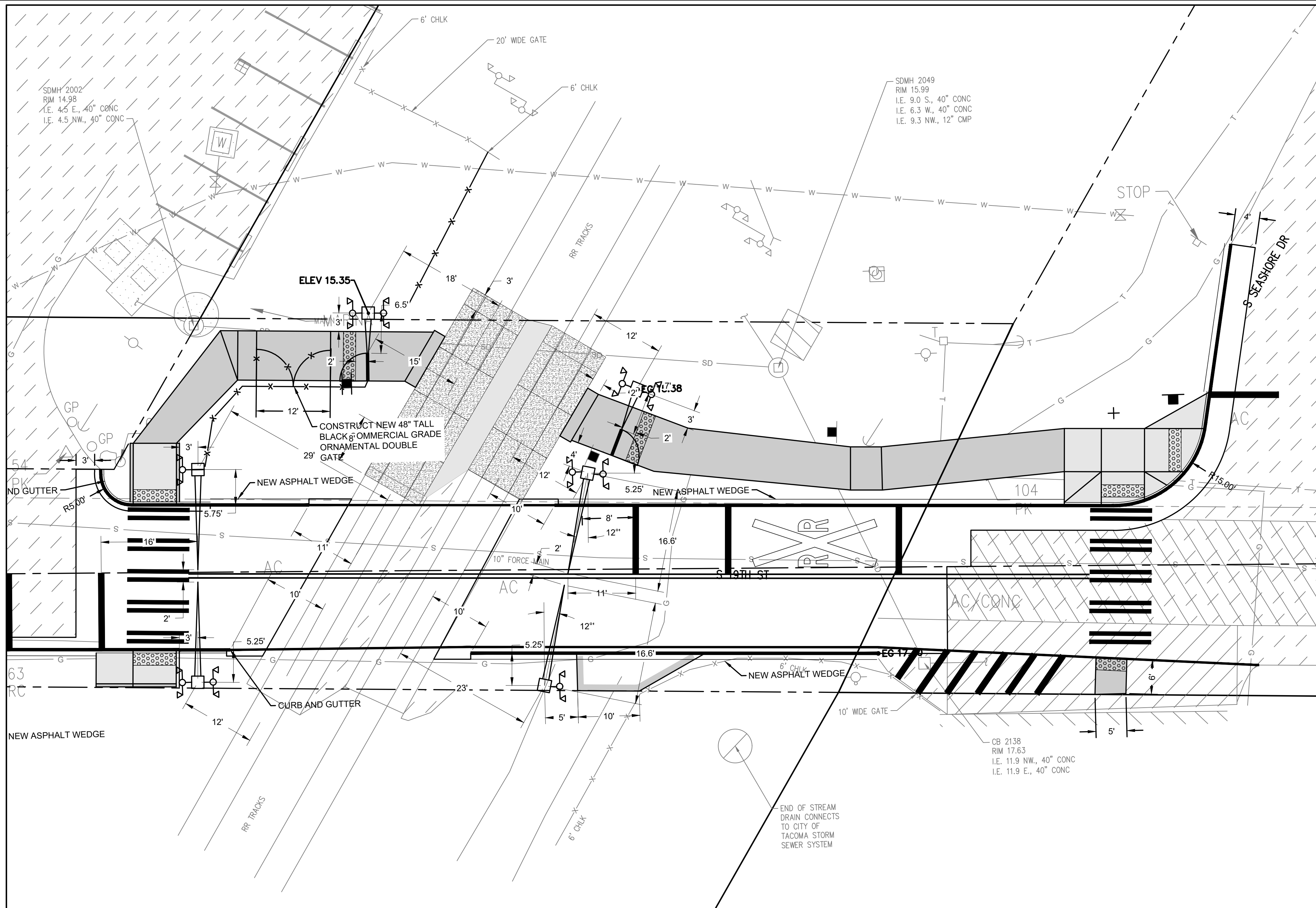
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- 2) CONTRACTOR SHALL NOT DEVIATE FROM DESIGN.
- 3) BY CONVENTION SLOPE ARROWS POINT DOWNHILL.
- 4) REFER TO URBAN DESIGN DRAWING FOR SCORING OF CONCRETE.

JOINT: JT  
 SAW CUT: SC  
 MATCH EXISTING: ME  
 GUTTER GRADE: GG  
 BACK OF CURB: BOC  
 TOP BACK OF CURB: TBC  
 TOP OF WALL: TOW  
 TOP OF GRADE: TOG  
 GRADE BREAK: GB

**CITY OF TACOMA**  
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CITY OF  
TACOMA

HORIZ. DATUM: N.A.D. 83/91  
 VERT. DATUM: N.G.V.D. 29  
 BENCH MARK: #1273  
 INTERSECTION OF 6TH AVE  
 AND WALTERS RD.  
 ELEVATION = 13.95

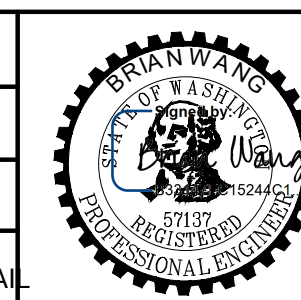
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NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
	OCT 2024	1" = 10'
DESIGNED	CHECKED	
BCW	Chk	
DRAWN	PROJECT NAME	
BCW	S 19TH ST	
FIELD BOOKS	DRAWING NAME	
	S 19TH STREET SIDEWALK - DETAIL	



DocuSigned by:  
*Jack Meluser*  
 ENGINEERING DIVISION MANAGER

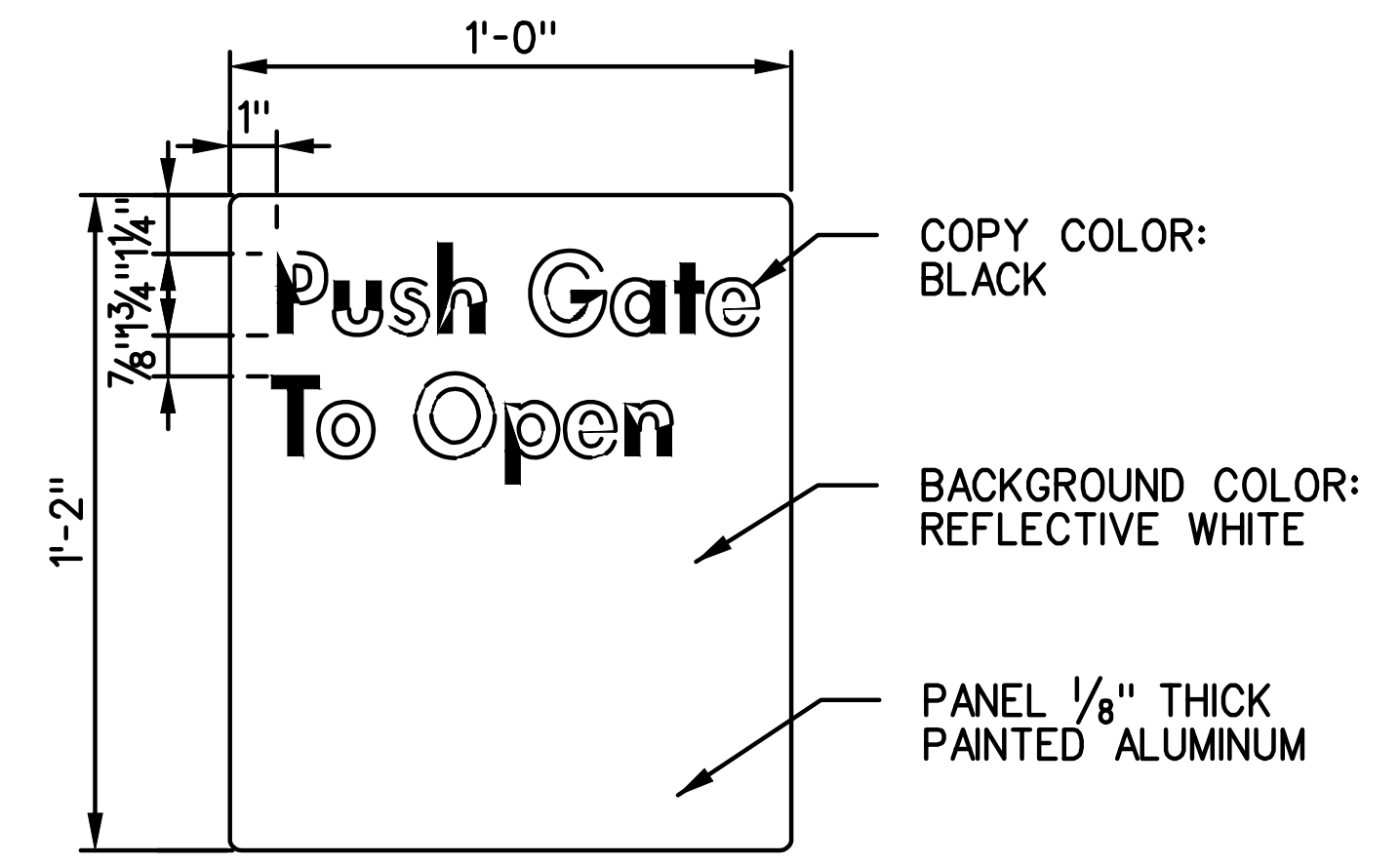
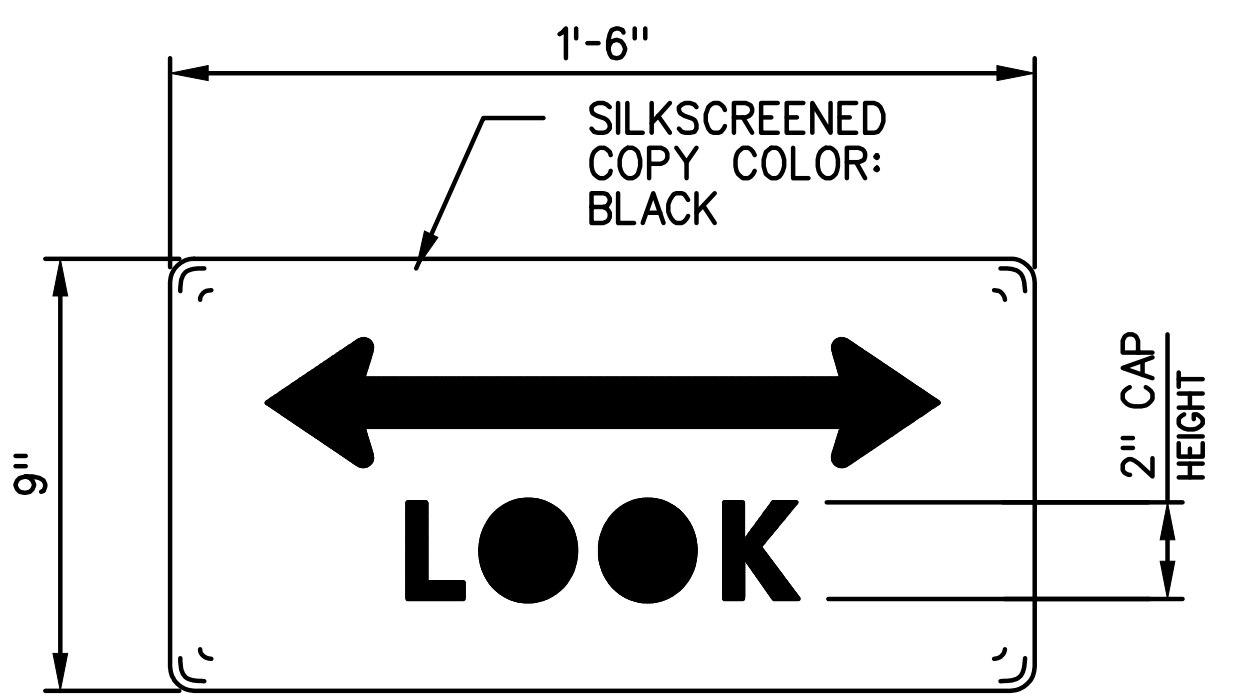
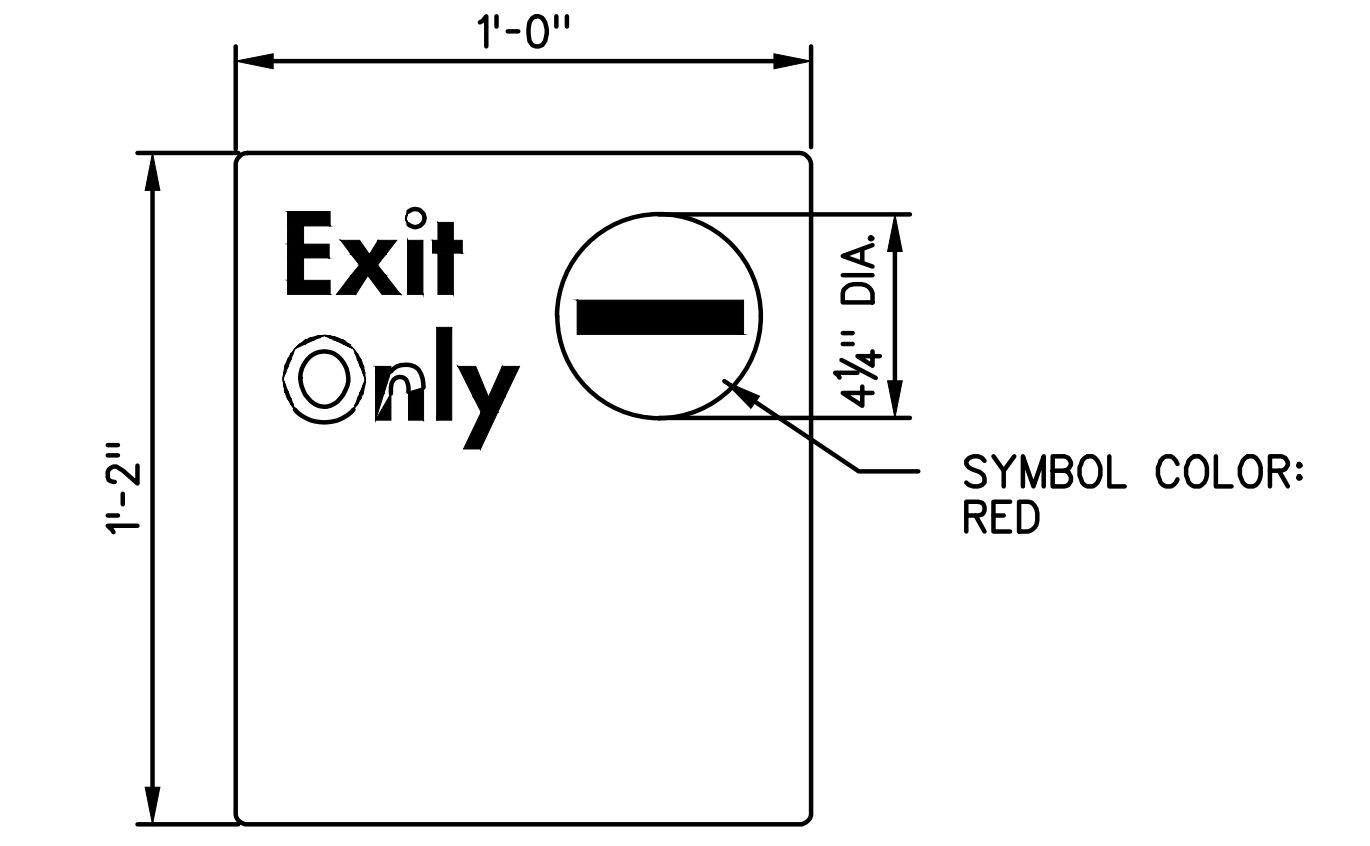
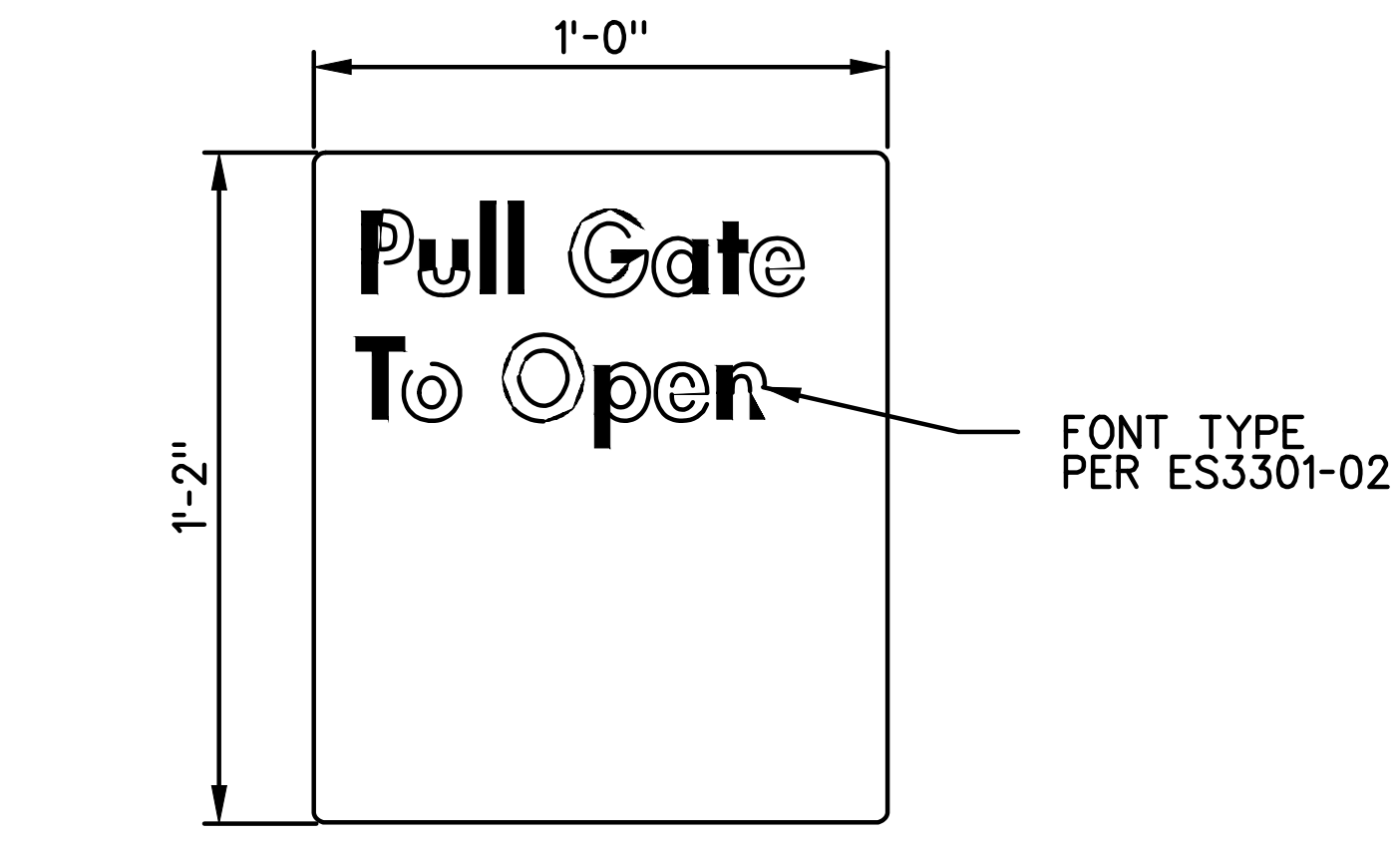
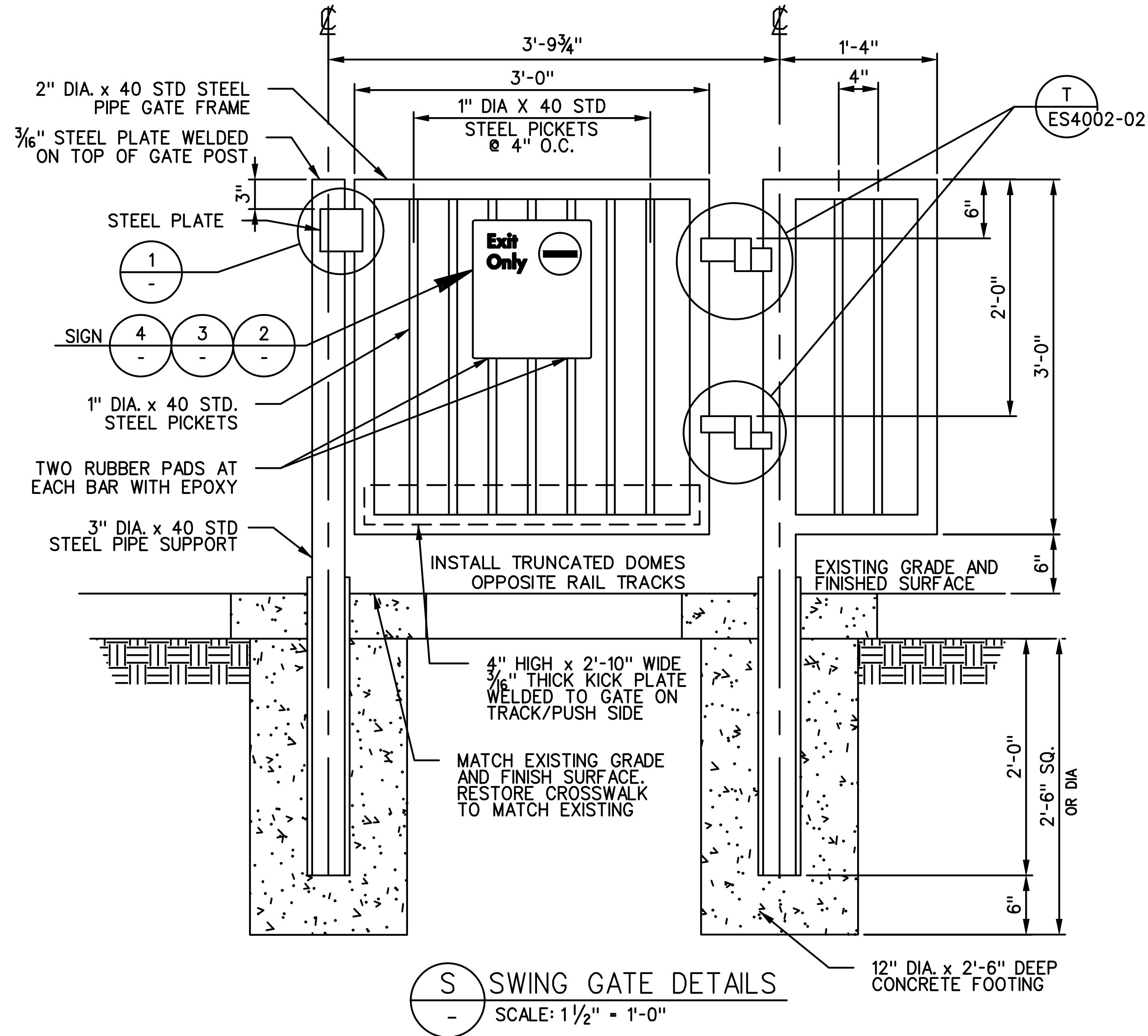
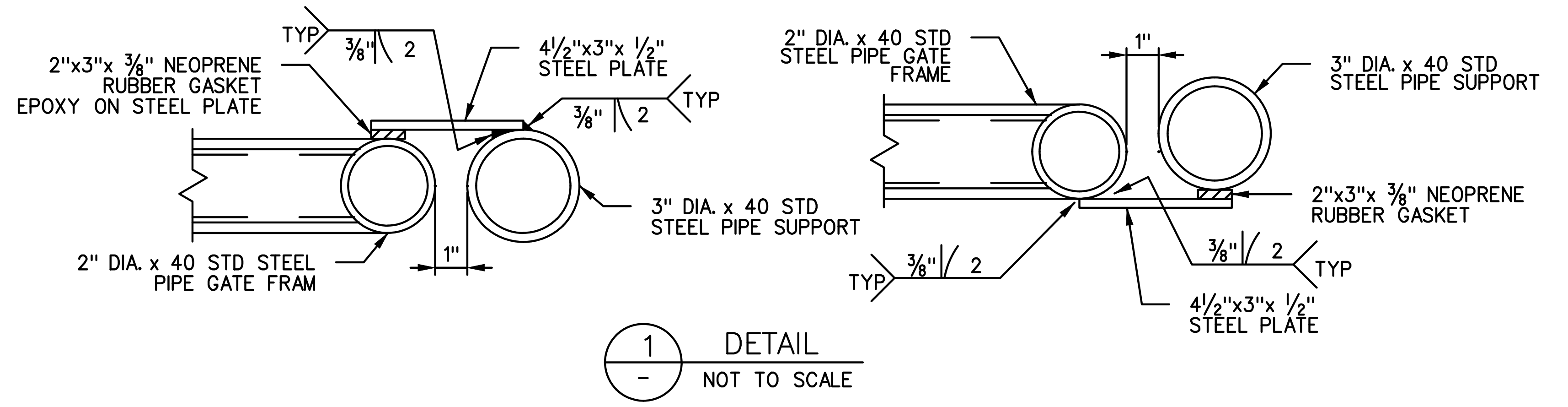
CITY OF TACOMA  
 DEPARTMENT OF PUBLIC WORKS  
**S 19TH ST RAIL CROSSING**  
 S 19TH ST  
 BNSF DIMENSION DETAIL PLAN

RAIL-1280(039)  
 PWK-01017  
 SHEET NO.  
 SHEET 11 OF 13

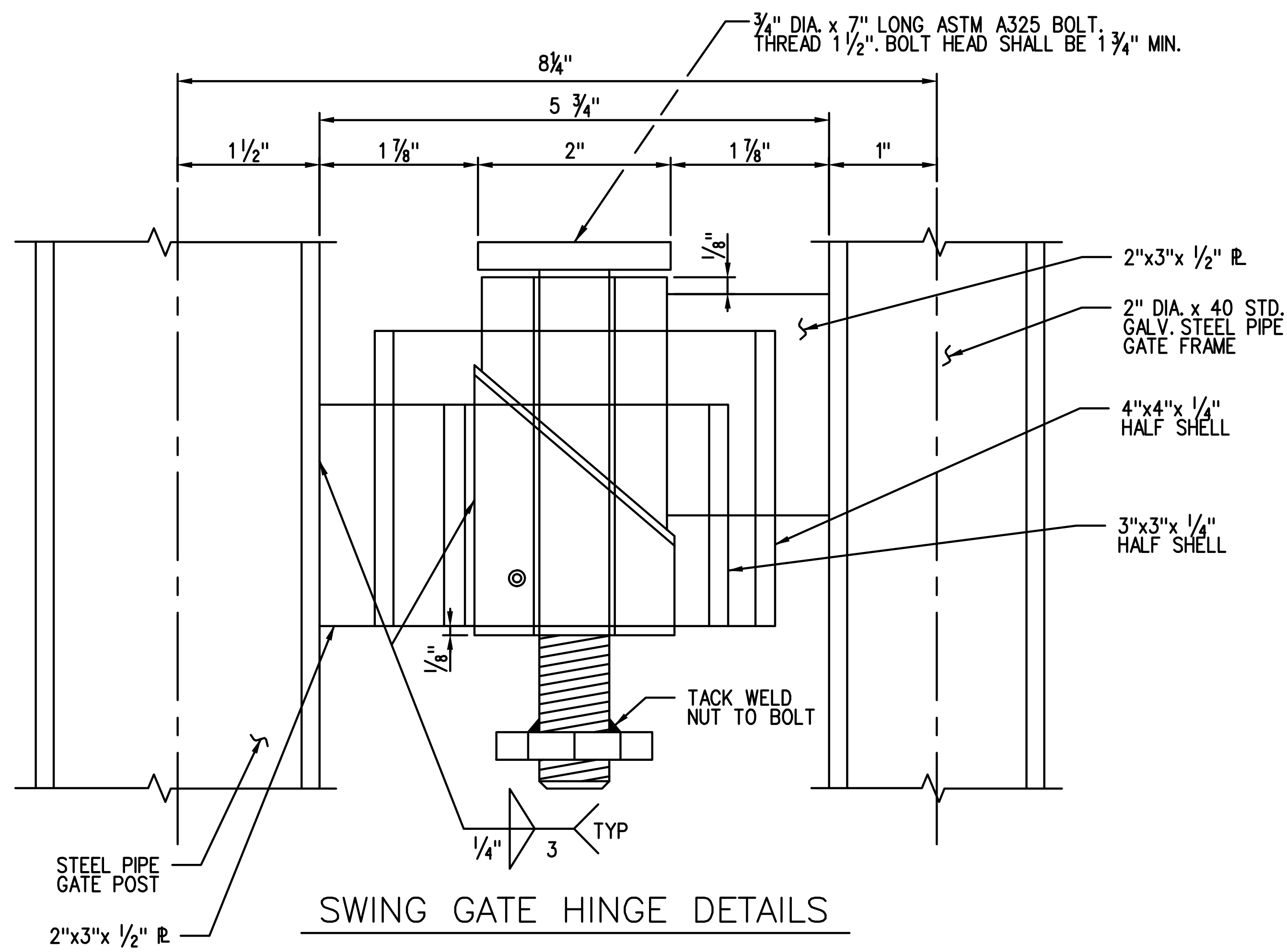
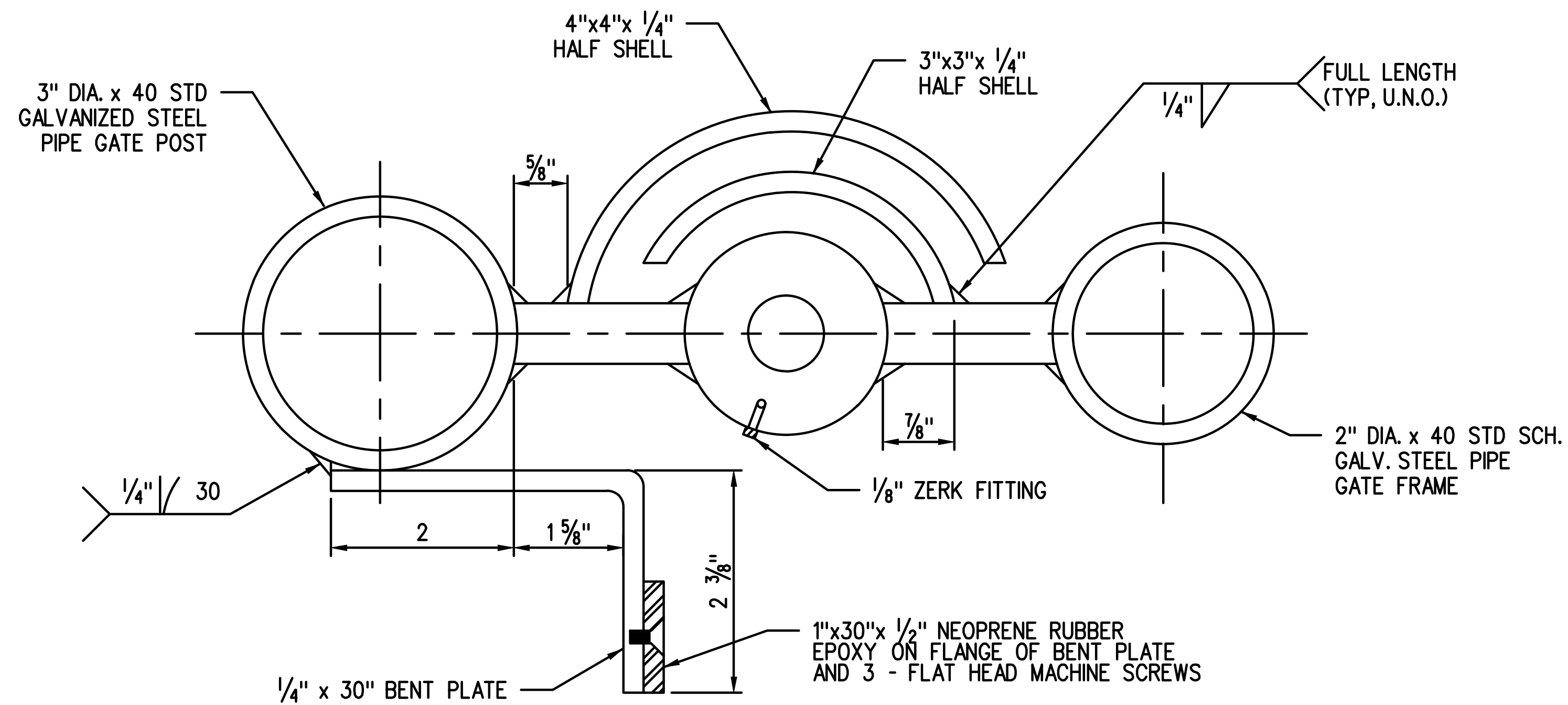
10/22/2024

**NOTES:**

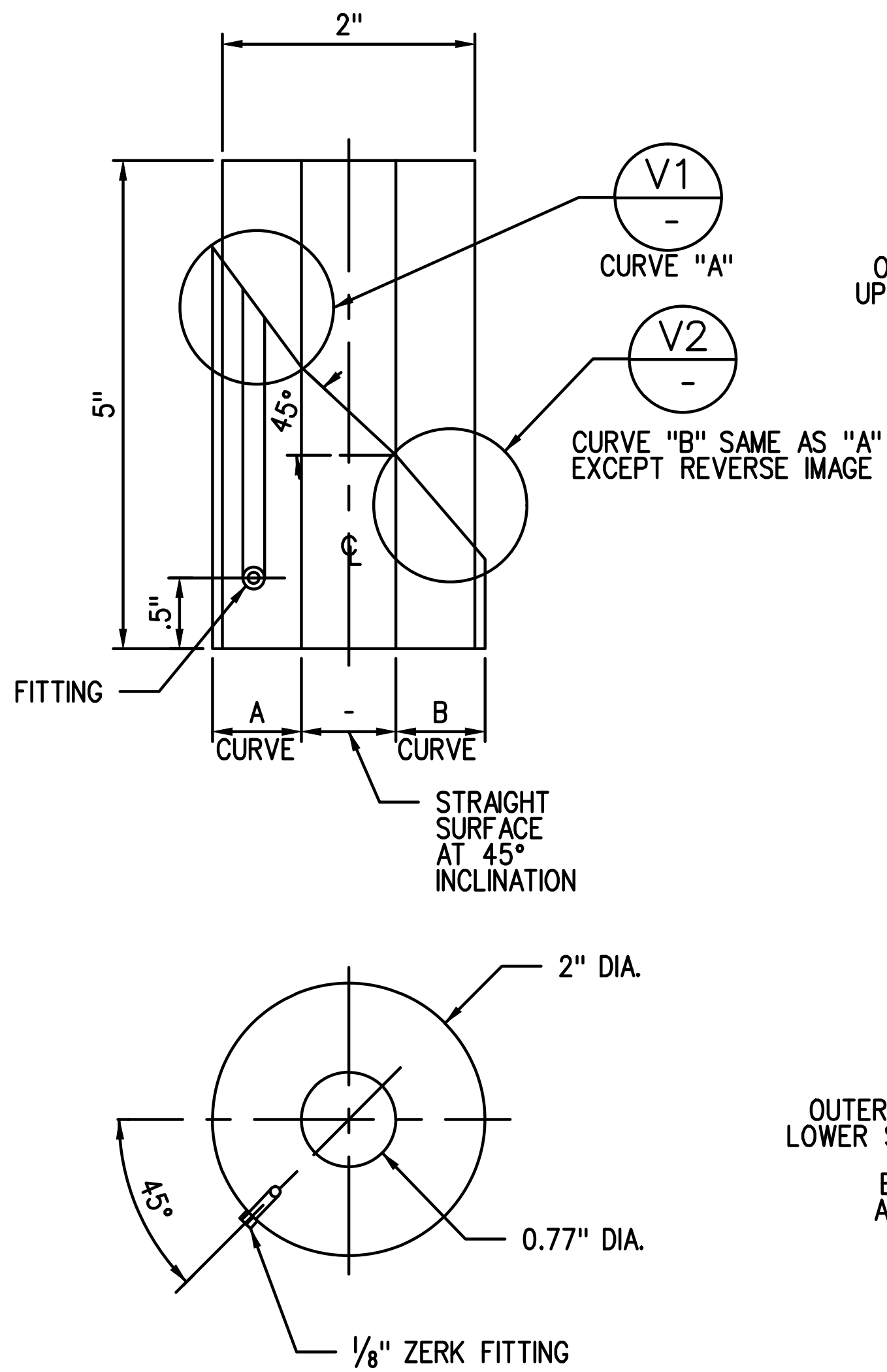
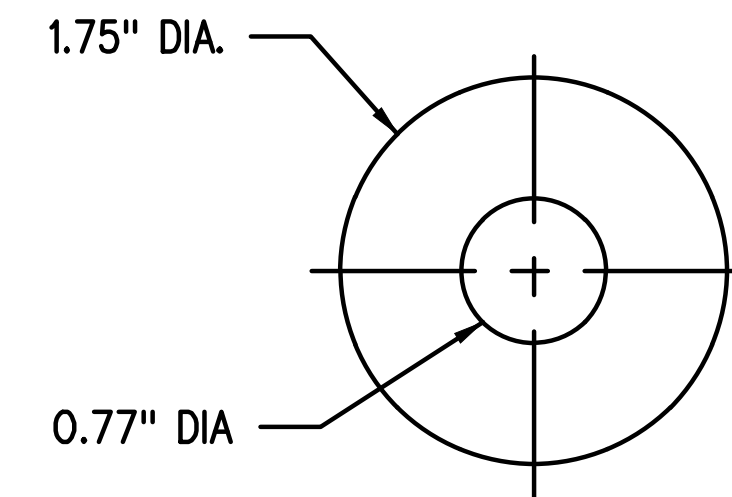
- POWDER COAT SHALL BE USED FOR THE SWING GATE ASSEMBLY AND HAND RAILING. AFTER FABRICATION AND SURFACE PREPARATION, THE SWING GATE ASSEMBLY AND HANDRAILING SHALL BE POWDER COATED. COATING WHICH HAS BEEN SHOP OR FIELD CUT, BURNED BY WELDING OR DAMAGED SHALL BE REPAIRED OR RE-COATED IN ACCORDANCE WITH ASTM A780.
- AFTER CLEANING AND PROFILING GALVANIZED SURFACE IN ACCORDANCE WITH ASTM D6386, THE SWING GATE ASSEMBLY AND HANDRAILING SHALL BE PAINTED OR POWDERCOATED WITH A ZINC-RICH PRIME COAT, HIGH PERFORMANCE FIRST COAT AND ACRYLIC TOP COAT. THE PAINT COLOR SHALL BE FEDERAL COLOR NO. FS34092 UNLESS NOTED OTHERWISE.
- REFER TO SPECIFICATION SECTION 8-35 FOR ALTERNATE CONSTRUCTION METHODS.



- NOTES:**
- \* MAY BE MOUNTED ON SEPARATE POST
  - 1. 3M EXTERIOR GRADE VINYL DIE CUT SHEETING, COLOR: WHITE
  - 2. SEAL SIGN WITH TRANSPARENT ANTI-GRAFFITI FILM.



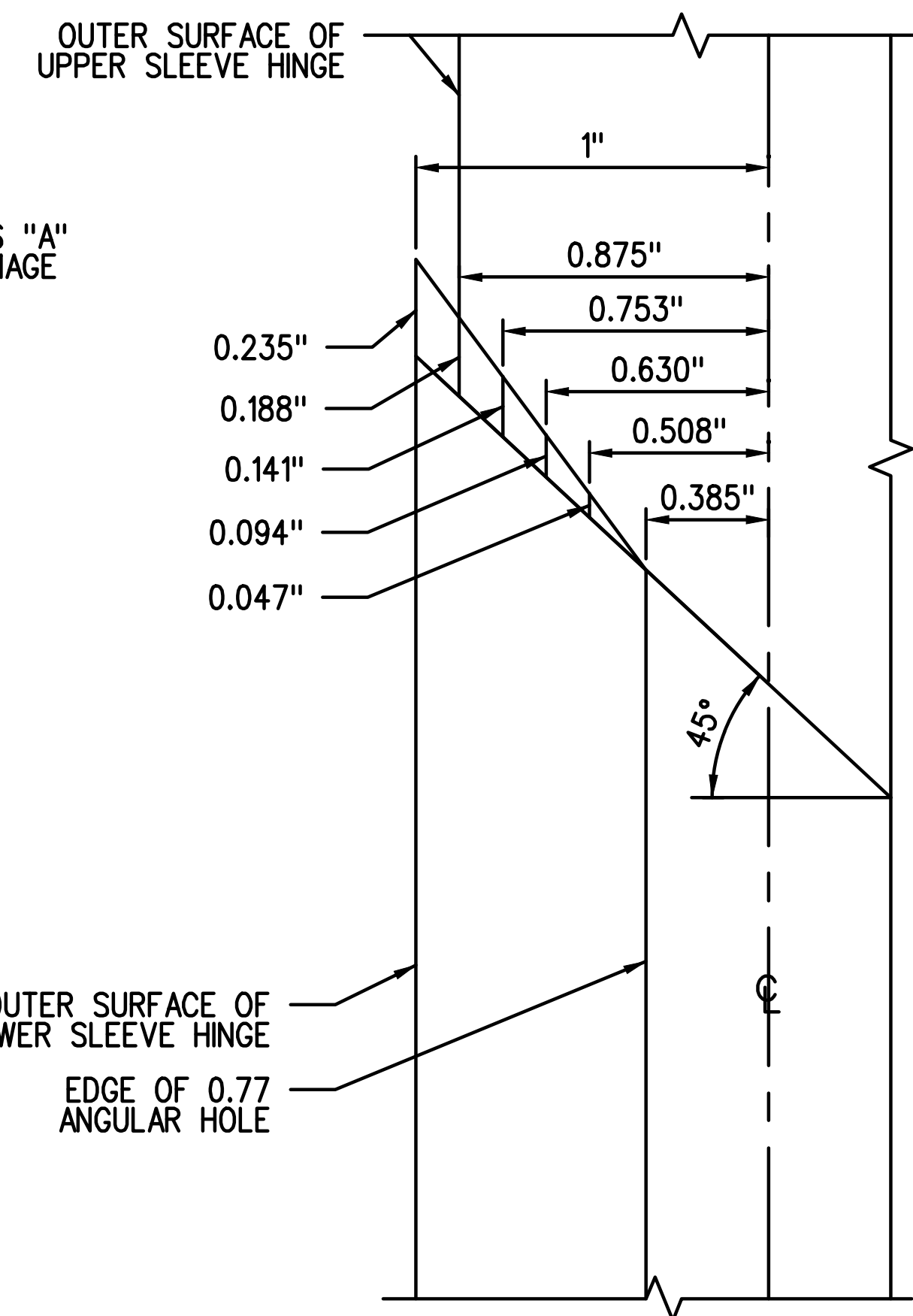
**T** -  
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DETAIL U

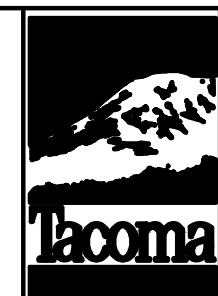
**NOTES:**

- HINGE SLEEVE GRADE OF STEEL TO BE ASTM A441 HARDENED STEEL.
- ALL HINGE SLEEVE DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.
- HINGE SLEEVE MACHINING SHALL BE PRECISION TO THE NEAREST THOUSANDTH OF AN INCH (0.001).
- ROTATING CURVED CONTACT SURFACES OF HINGE SLEEVE, (CURVE SURFACES 'B' AND 'A') TO BE POLISHED.
- FORCE REQUIRED TO OPERATE SHALL BE 22N (5 LBS) MAX.
- REFER TO SPECIFICATION SECTION 8-35 FOR ALTERNATE CONSTRUCTION METHODS.



**V** -  
DETAIL V1 & V2

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NO.	REVISION	DATE	APPD.

FINAL CONSTRUCTION CHECKED	DATE	SCALE
DESIGNED	OCT 2024	1" = 10'
BY	BCW	CHK
DATE	BCW	S 19TH ST
FIELD BOOKS	DRAWING NAME	



DocuSigned by:  
**Jack Meluser**  
ENGINEERING DIVISION MANAGER

CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS  
RAIL CROSSING IMPROVEMENTS  
RAIL CROSSING IMPROVEMENTS  
PEDESTRIAN SWING GATE DETAIL

RAIL-1280(039)  
PWK-01017  
SHEET NO. 13 OF 13