



**CITY OF TACOMA
PUBLIC WORKS**

ADDENDUM NO. 3

DATE: 11/19/2020

REVISIONS TO:

Request for Bids Specification No. PW20-0228F

Rail Crossing Improvements - 6th Ave & S. 19th St.

NOTICE TO ALL BIDDERS:

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

REVISIONS TO THE SUBMITTAL DEADLINE:

The submittal deadline has not been changed from that shown in Addendum 1.

REVISIONS TO THE PROPOSAL PAGES:

The original Bid Proposal Pages have not changed from those issued in Addendum 2. Bidders shall submit the Bid Proposal Pages marked "**Addendum 2**" with their bid submittal. Failure to do so may render your bid non-responsive.

REVISIONS TO THE SPECIAL PROVISIONS:

None

REVISIONS TO THE PLANS:

Plan Sheets 1-13 reissued with City signatures in the signature block.

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW20-0228F Addendum No. 3. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.



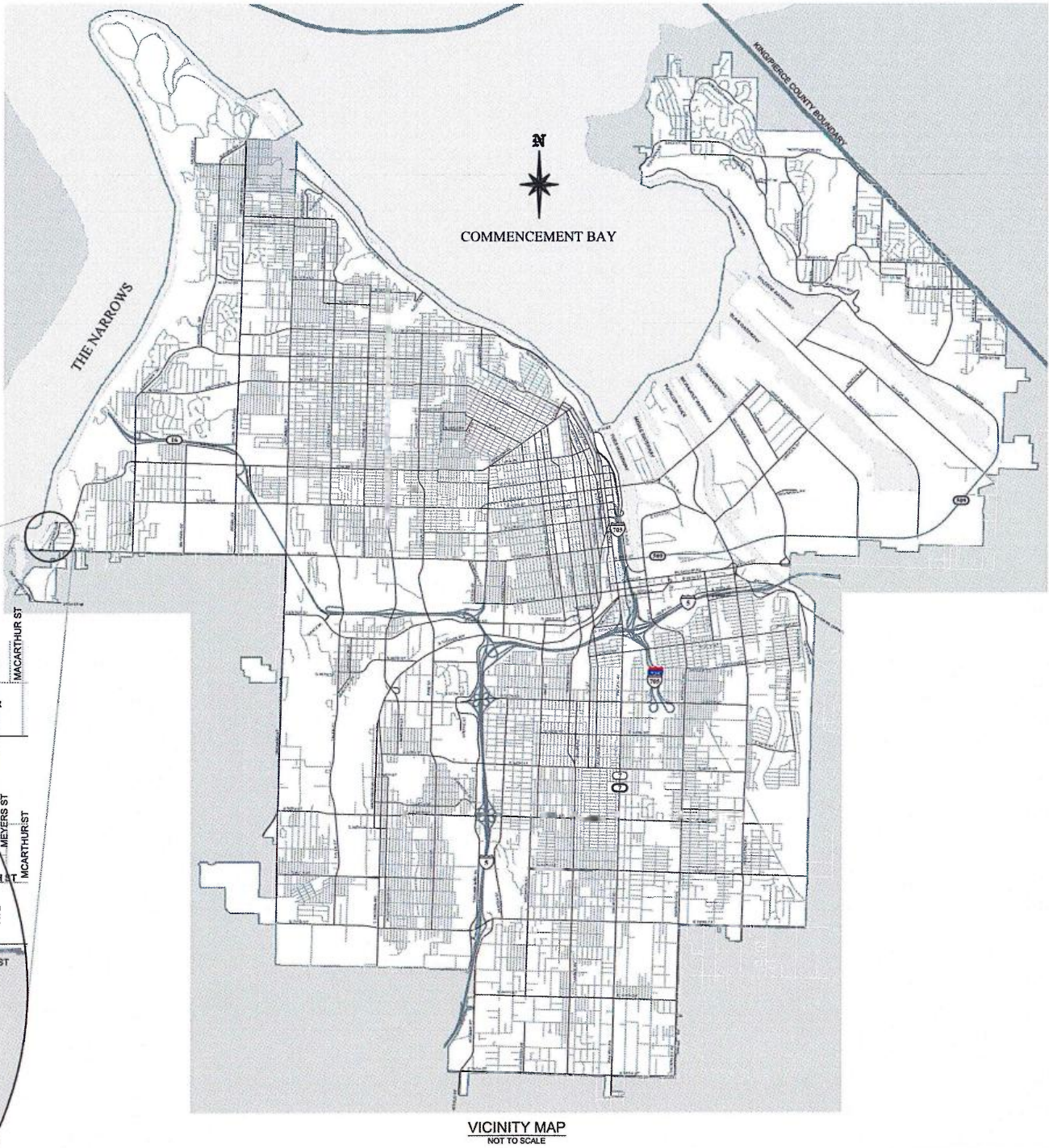
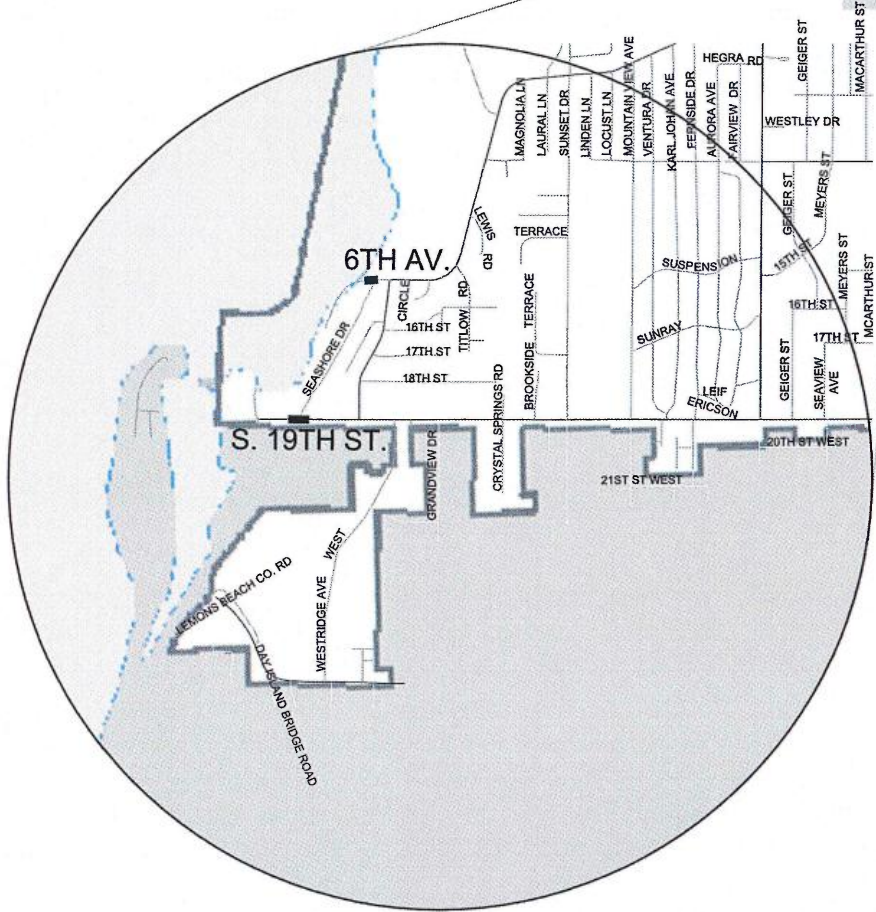
THE CITY OF TACOMA

PUBLIC WORKS DEPARTMENT
SPECIFICATION NO. PW 20-0228F
OCT 2020

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



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			
<div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div></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CALL BEFORE YOU DIG

EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS ONLY PER BEST AVAILABLE INFO, AND MAY BE INCOMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, POT-HOLING AND AVOIDING ALL EXISTING UTILITIES.

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



ADDENDUM 3

1/19/20

DATE

APPD

FINAL CONSTRUCTION CHECKED	DATE APRIL 2020	SCALE NTS
BY BCW	DESIGNED BCW	CHECKED DCS
DATE	DRAWN BCW	PROJECT NAME RAIL CROSSING
FIELD BOOKS	DRAWING NAME 6TH-AV-SYMBOL	



DocuSigned by:

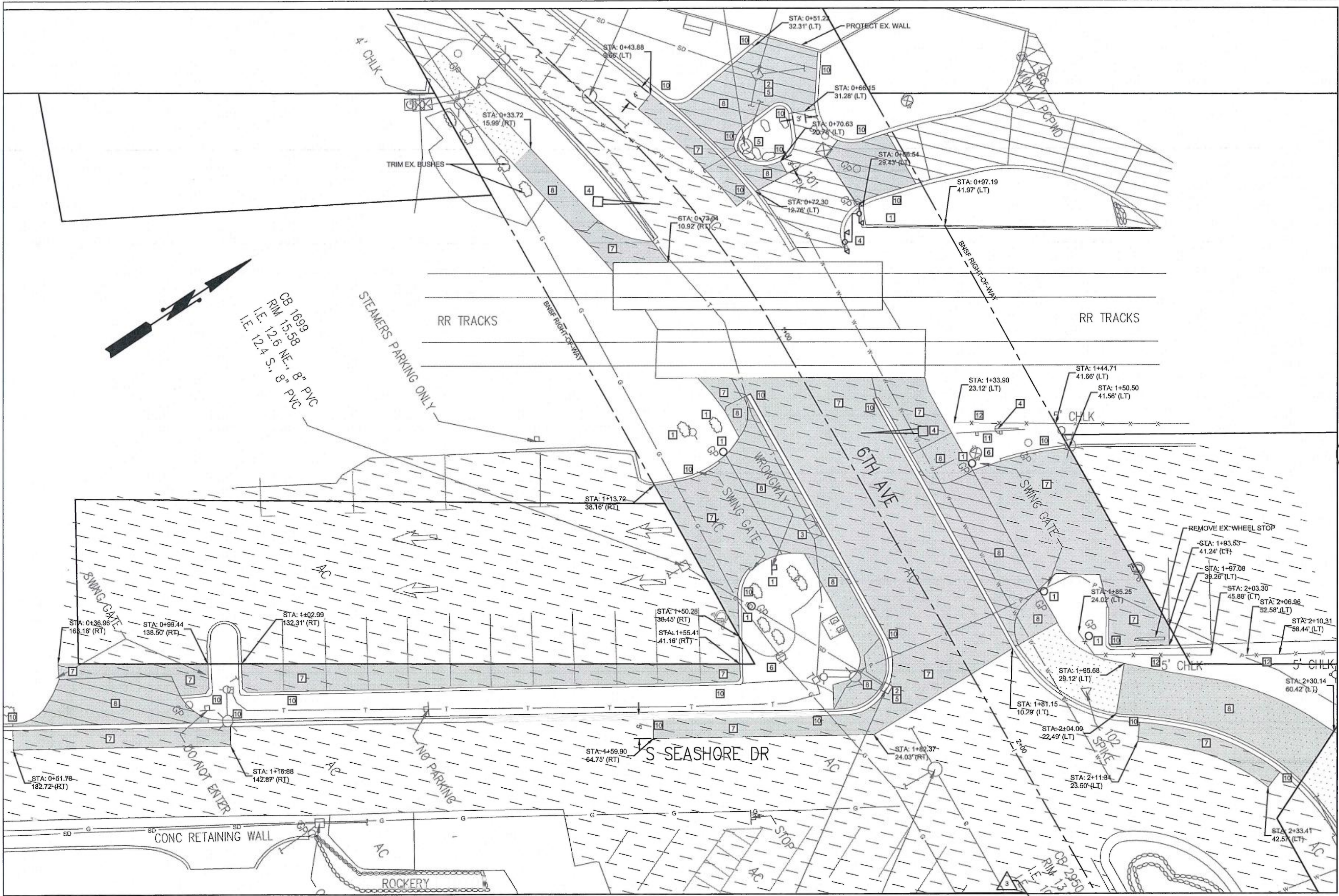
Chris Larson

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

6TH AV & S 19TH ST RAIL CROSSING
S. 19TH ST. & 6TH AV.
SYMBOL SHEET

SHEET NO.

PAGE 1 OF 13



- ### 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 RAMP
 - 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 BNSF DIMENSION DETAIL SHEET, PG. 10, FOR DIMENSIONING DETAILS.
 2. REFER TO ADA SHEET, PG. 9, FOR CURB RAMP AND DOWNWAY DETAILS.
 3. REFER TO PEDESTRIAN SWING GATE DETAILS ON PG. 11. AND PG. 12 AND/OR AS DESCRIBED IN SPECIFICATION SECTION 8-35.

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

CITY OF TACOMA

0 10 20 30

CALL BEFORE YOU DIG

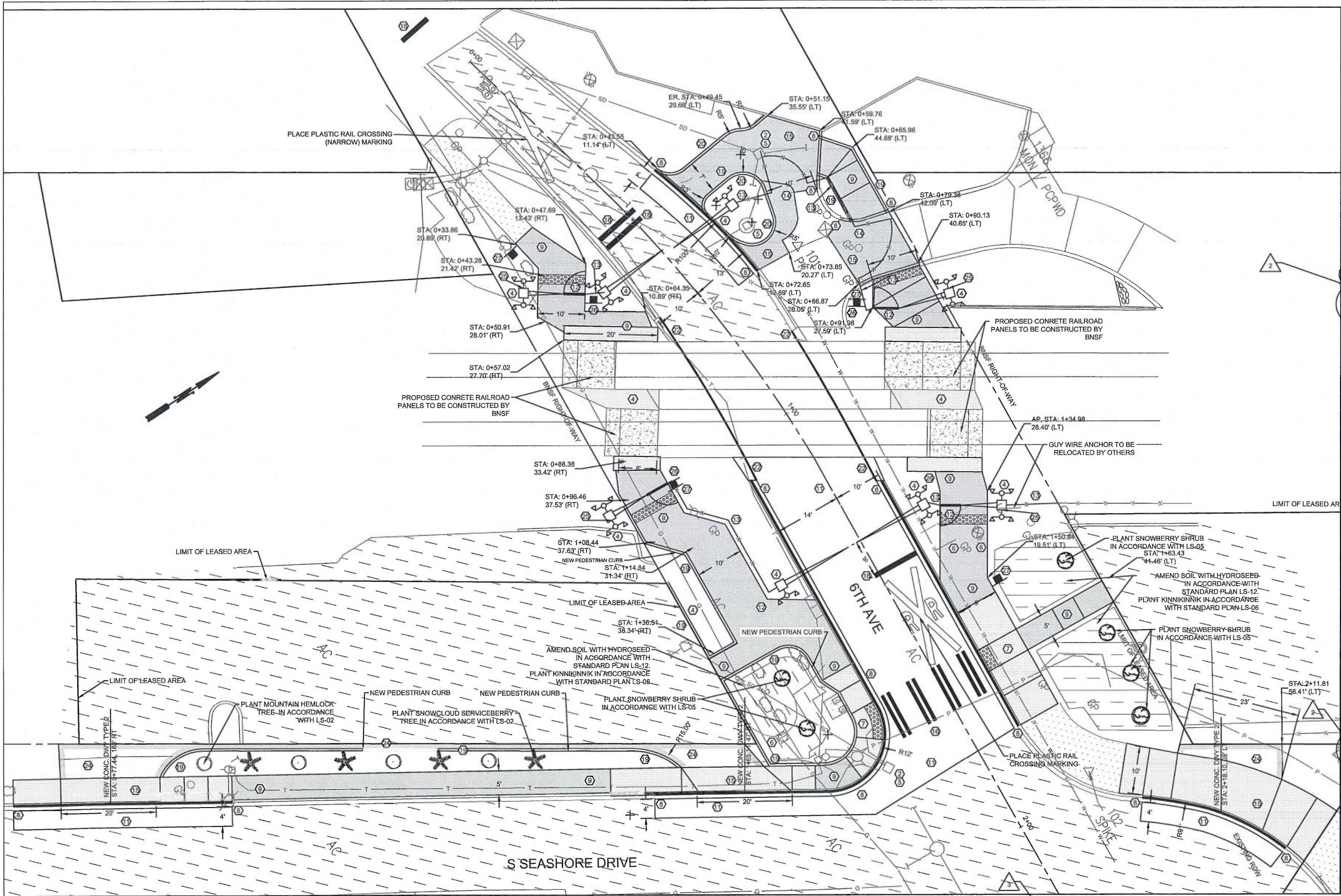
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(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org

	ADDENDUM 3 ADDENDUM 2	1/19/20 1/18/20	DATE APPROVED	FINAL CONSTRUCTION CHECKED	DATE OCT 2020	SCALE 1" = 10'	DESIGNED BCW	CHECKED Chk	DATE 1/19/20	PROJECT NAME 6TH AVE		CITY OF TACOMA DEPARTMENT OF PUBLIC WORKS	RAIL-1280(039)
NO	REVISION	DATE	APPROVED	FIELD BOOKS	DRAWING NAME							DocuSigned by: <i>Chris Larson</i>	PWK-01017
													SHEET 2 OF 13

Wang, Brian

130110-0800



- 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 ORNAMENTAL FENCE, 48" TALL
 - 14) CONSTRUCT BLACK COMMERCIAL 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 4" HMA CL 1/2 PG 58H-22 over 2" CRUSHED SURFACING TOP 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
 - 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
- 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

DOT Crossing
Inventory No:
085742D
-

CALL BEFORE YOU DIG

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(1-800-424-5555) OR VISIT ONLINE: www.callbeforeyoudig.org



ADDENDUM 3
ADDENDUM 2

REVISION

11/19/20
11/18/20

DATE

APPD

FINAL CONSTRUCTION CHECKED	DATE OCT 2020	SCALE 1" = 10'
BY DESIGNED BCW	CHECKED Chk	
DATE	PROJECT NAME 6TH AVE	
FIELD BOOKS	DRAWING NAME	



DocuSigned by:

Chris Larson

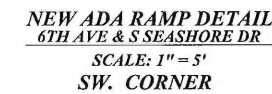
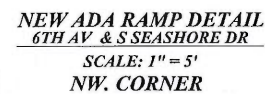
**CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS**


**RAIL CROSSING IMPROVEMENTS
6TH AVENUE
CONSTRUCTION PLAN**

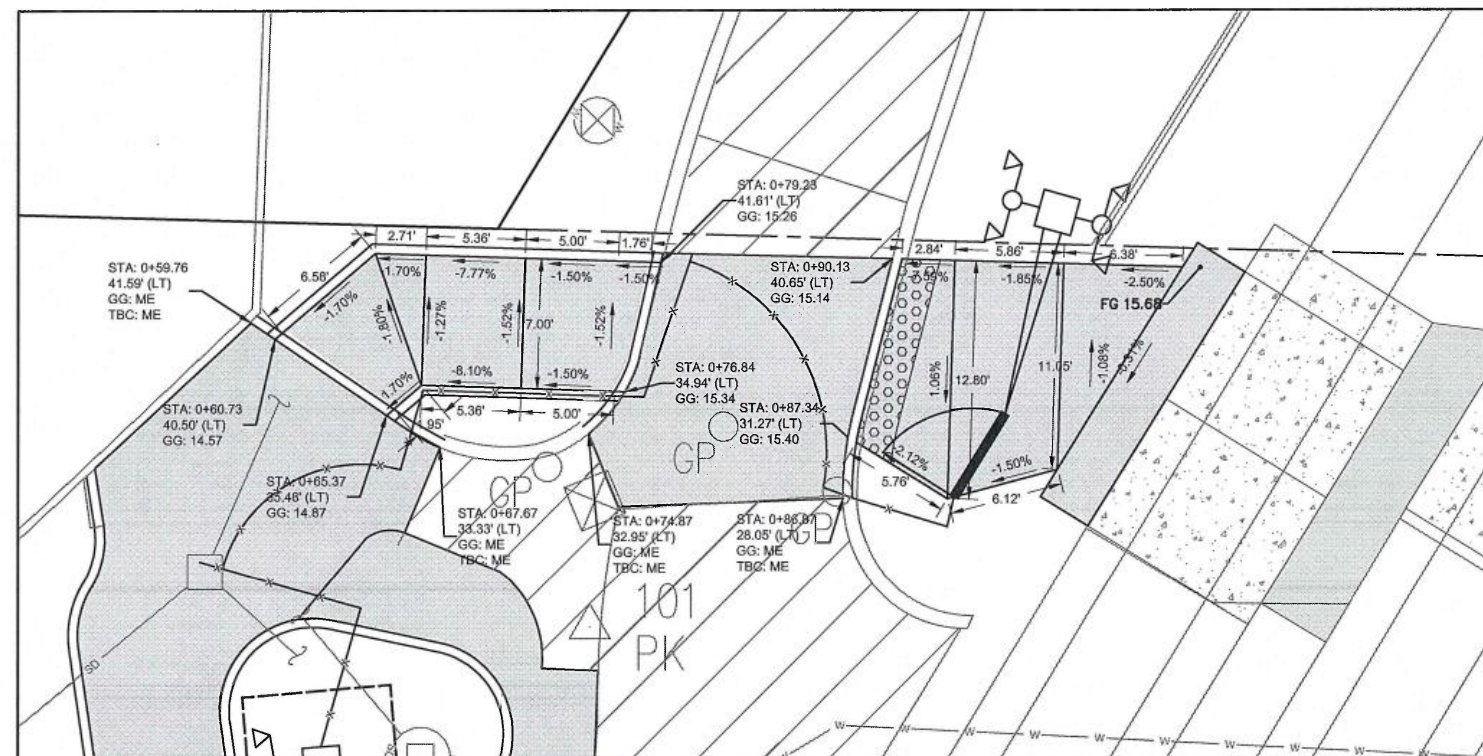
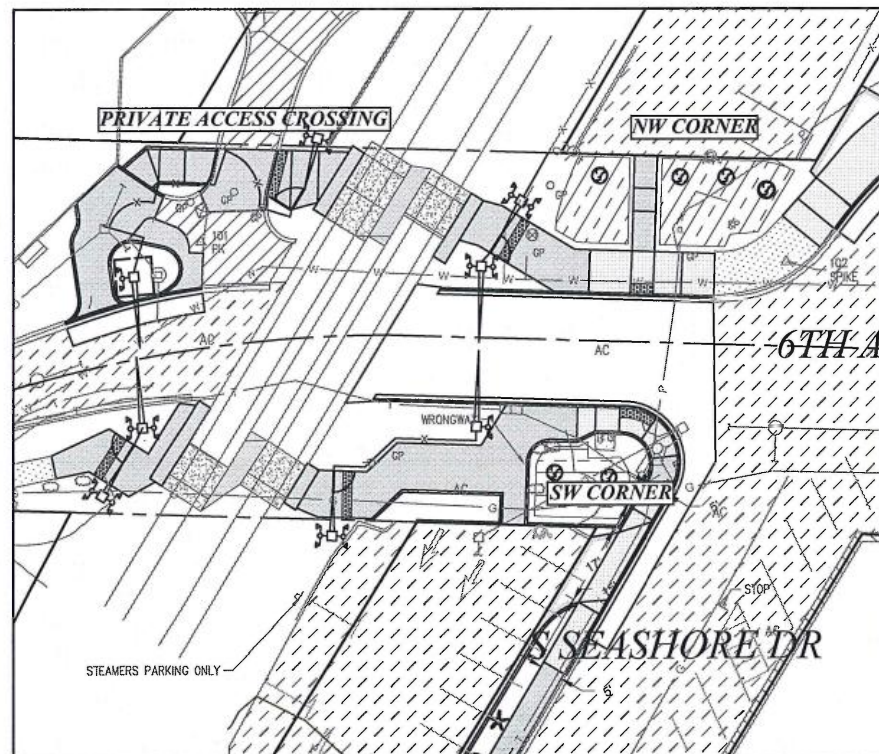
RAIL-1280(039)

PWK-01017

SHEET NO.
SHEET 3 of 13



- 
- 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**



NEW ADA RAMP DETAIL
6TH AV & METRO PARK ACCESS
SCALE: 1" = 5'
PRIVATE ACCESS CROSSING

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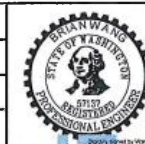
ADDENDUM 3

1/19/20

	DATE
--	------

	FIELD BOOKS
DATE	
BY	
	FIELD BOOKS

DATE OCT 2020	SCALE VARIES
DESIGNED BCW	CHECKED Chk
DRAWN BCW	PROJECT NAME 6TH AV
DRAWING NAME 6TH AV - ADA	



DocuSigned by:

Chris Larson

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

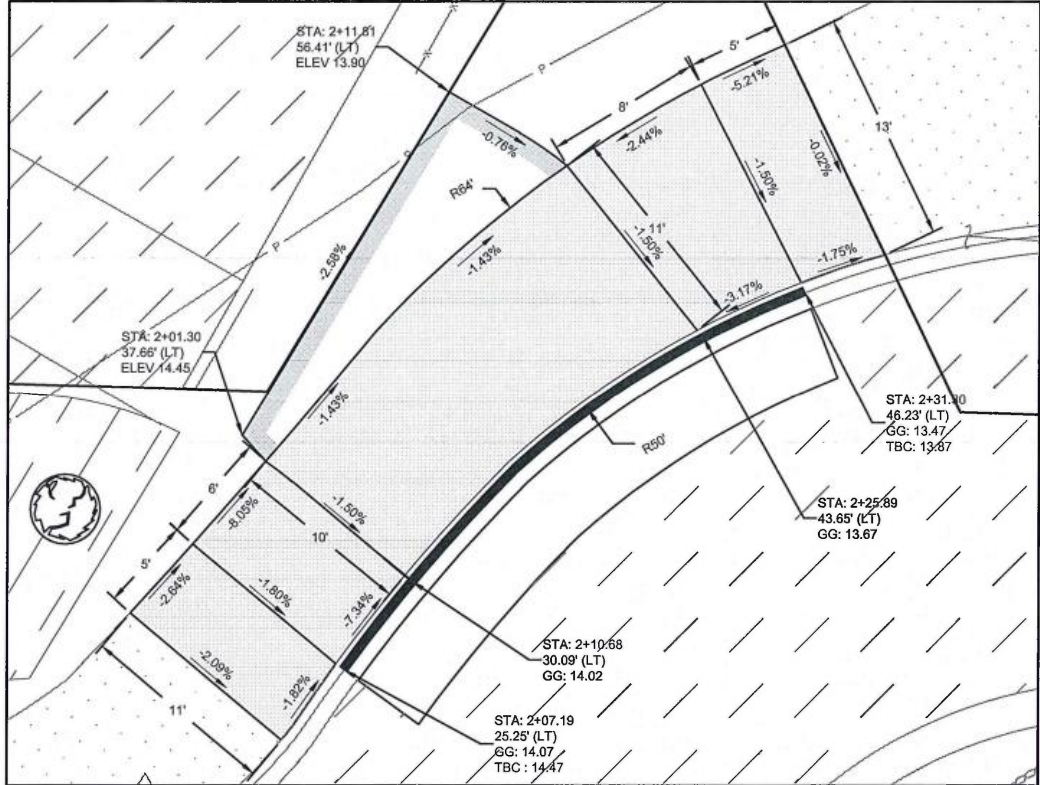
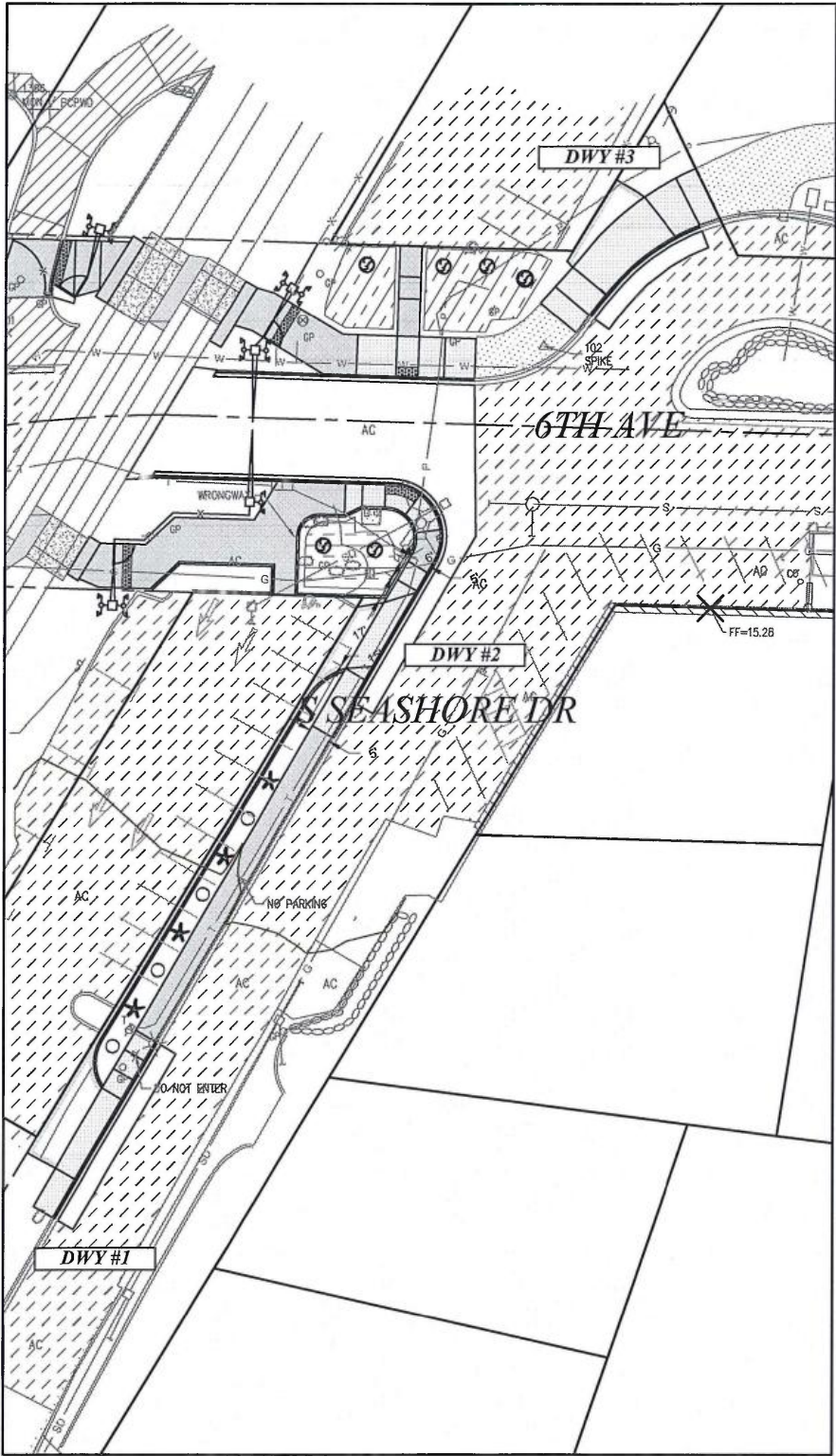
RAIL CROSSING IMPROVEMENTS

RAIL-1280(039)

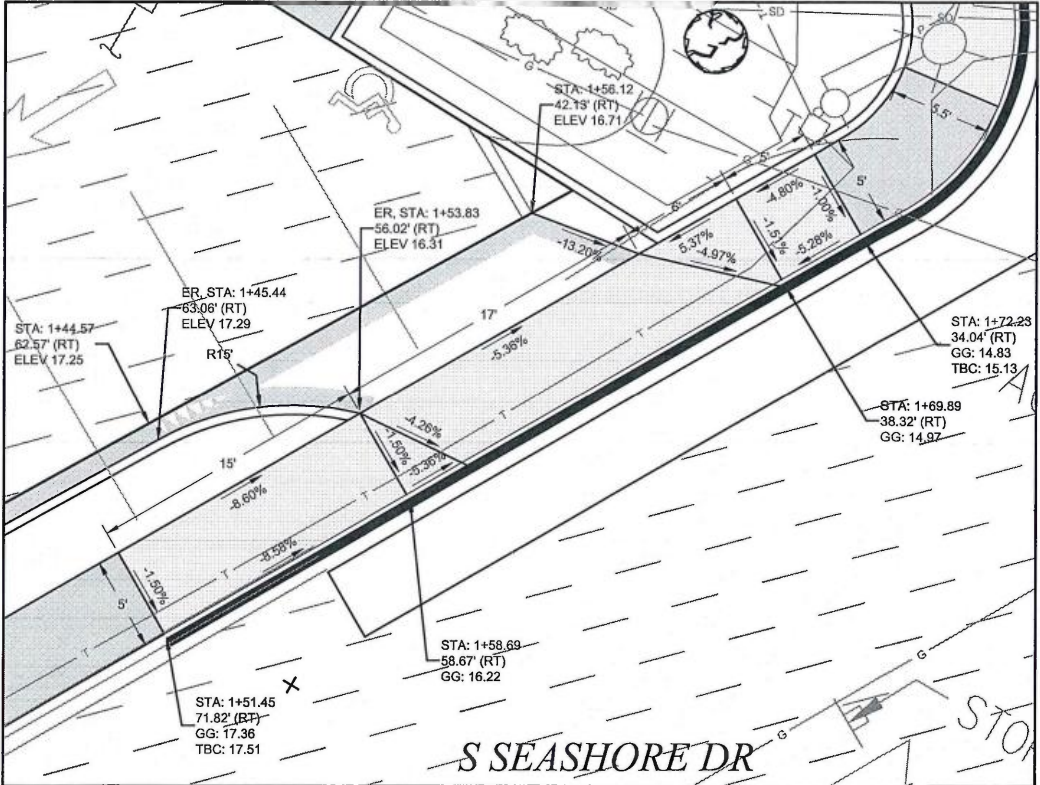
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SHEET NO.

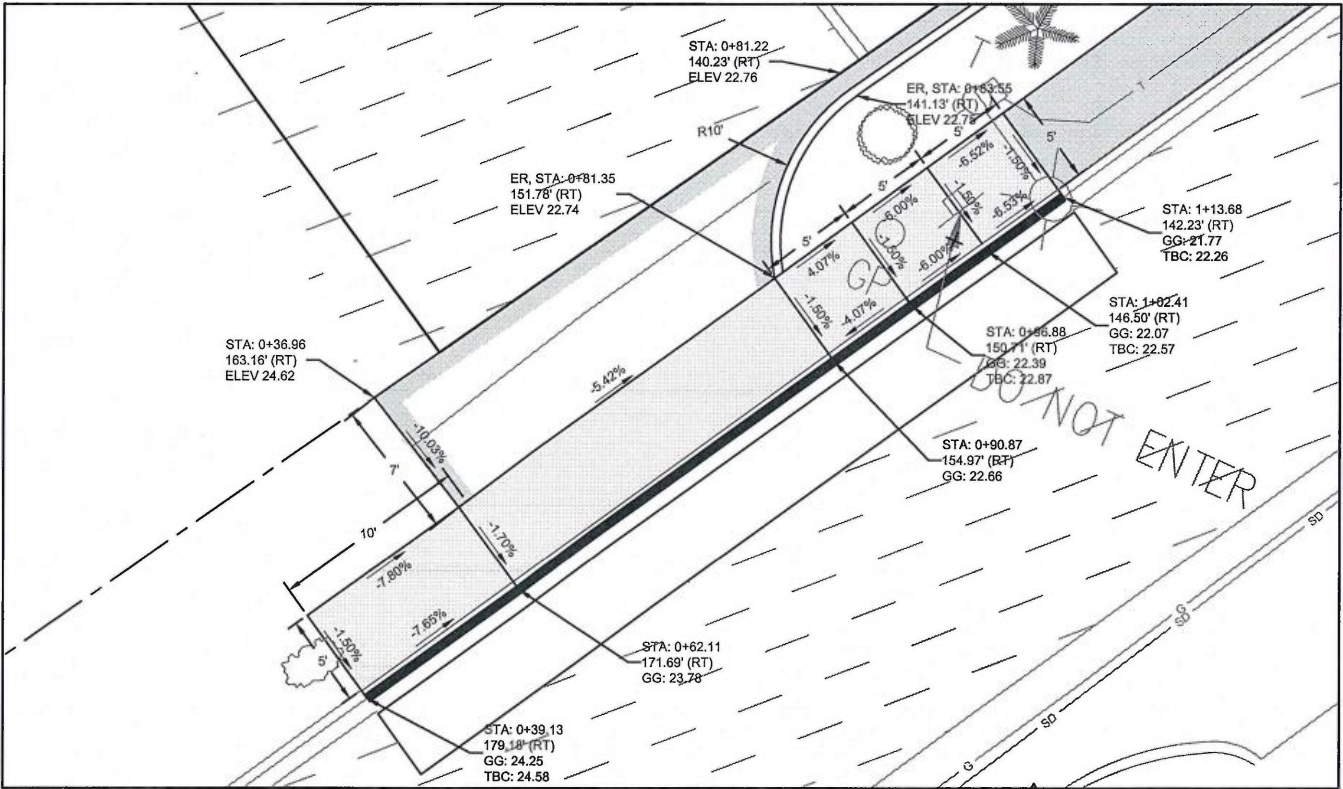
SHEET 4 OF 13



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



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ADDENDUM 3

1/19/20

DATE

APPD

FINAL

CONSTRUCTION

CHECKED

BY

DATE

FIELD BOOKS

DATE

OCT 2020

DESIGNED

BCW

DRAWN

BCW

PROJECT NAME

6TH AV

DRAWING NAME

6TH AV - ADA

SCALE

VARIABLES

CHECKED

CHK

PROJECT NAME

6TH AV

DRAWING NAME

6TH AV - ADA

DATE

1/19/20



DocuSigned by:

Chris Larson

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

RAIL CROSSING IMPROVEMENTS

6TH AV
ADA PLAN

RAIL-1280(039)

PWK-01017

SHEET NO.

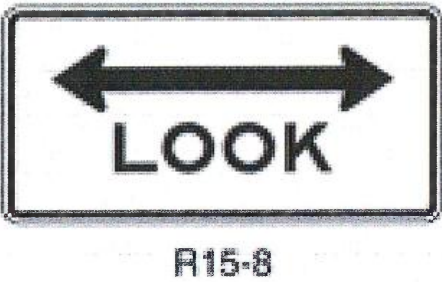
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OF

13

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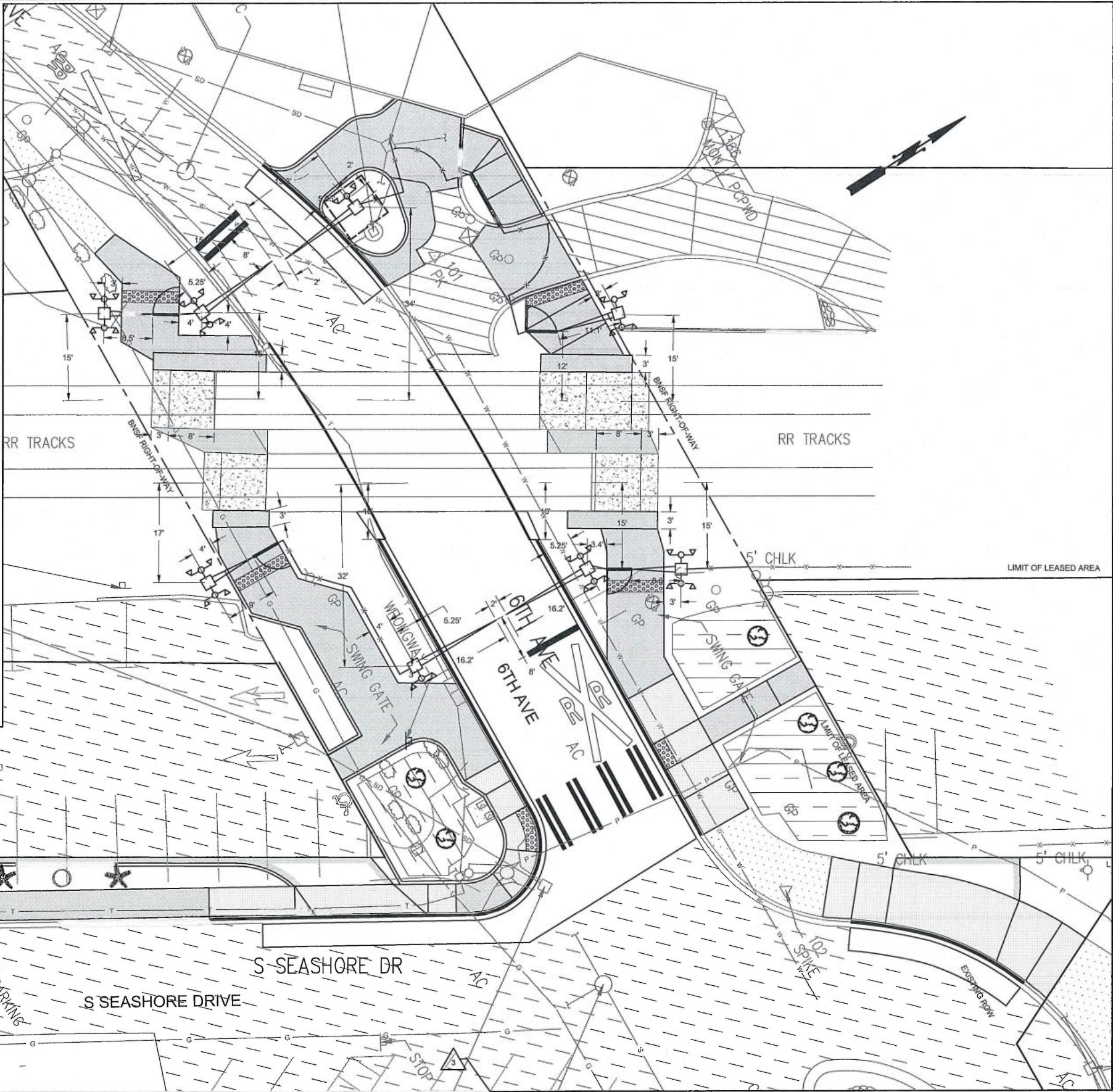
DETAIL 1: "LOOK" SIGN
18" H X 36" W



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



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



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ADDENDUM 3

REVISION

DATE

APPD

FINAL CONSTRUCTION CHECKED	DATE OCT 2020	SCALE 1" = 20'
BY BCW	CHECKED Chk	
DATE	PROJECT NAME 6TH AV	
FIELD BOOKS	DRAWN BCW	
	DRAWING NAME 6TH AV - DETAIL	



DocuSigned by:
Chris Larson
93687DCBCCFF4F8...

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

RAIL CROSSING IMPROVEMENTS
6TH AV
BNSF DIMENSION DETAIL PLAN

RAIL-1280(039)

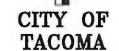
PWK-01017

SHEET NO.
SHEET 6 OF 13

- 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

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

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



1/19/20

	DATE
--	------

BY

DATE _____

DATE _____

FIELD BOOK

1

DATE	OCT 2020
DESIGNED	BCW
DRAWN	BCW
DRAWING NAME	

SCALE
1" = 10'
CHECKED
Chk
PROJECT NAME
19TH ST



Chris Larson
ENGINEERING DIVISION MANAGER

93687DCBB6FF4F8

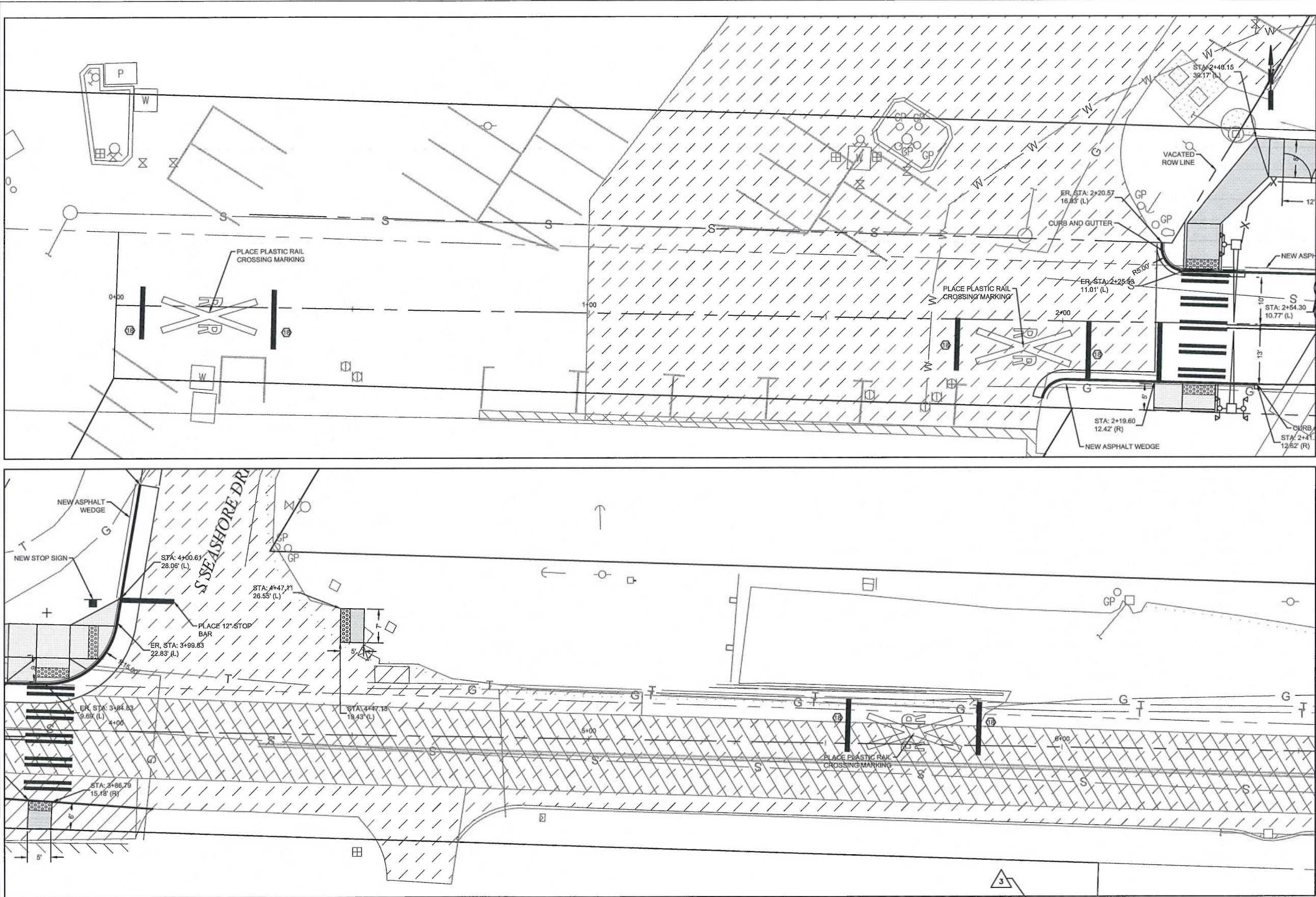
S 19TH STREET RAIL CROSSING
S 19TH STREET
DEMOLITION PLAN

SHEET NO.

SHEET 7 OF 13

-

- | | |
|----------------|---------|
| RAIL-1280(039) | |
| PWK-01017 | |
| SHEET NO. | |
| SHEET | 8 OF 13 |



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 ORNAMENTAL FENCE, 48" TALL
- CONSTRUCT BLACK COMMERCIAL ORNAMENTAL DOUBLE GATE, 48" TALL
- CONSTRUCT CEMENT CONCRETE B 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-B "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
- PROVIDE INLET PROTECTION TO EXISTING OR PROPOSED CATCHBASINS UNTIL REMOVED OR END OF CONSTRUCTION ACTIVITIES
- CONTRACTOR SHALL NOT DEVIATE FROM DESIGN UNLESS OTHERWISE DIRECTED BY THE ENGINEER
- BY CONVENTION SLOPE ARROWS POINT DOWNHILL

NOTES:

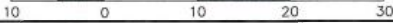
- REFER TO BNSF DIMENSION DETAIL SHEET, PG. 10, FOR DIMENSIONING DETAILS.
- REFER TO ADA SHEET, PG. 10, FOR CURB RAMP DETAILS
- REFER TO PEDESTRIAN SWING GATE DETAILS ON SHEETS, PG. 11 AND PG. 12 AND/OR AS DESCRIBED IN SPECIFICATION SECTIONS 8-35
- ALL RAILROAD GATES/ARMS TO BE CONSTRUCTED BY BNSF



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

DOT Crossing
Inventory No:
085743K



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ADDENDUM 3
ADDENDUM 2

1/19/20
1/18/20

BY
DATE

FIELD BOOKS

DATE

APPO

FINAL
CONSTRUCTION
CHECKED

DATE

SCALE

1" = 10'

DESIGNED
BCW

CHECKED
Chk

DRAWN
BCW

PROJECT NAME
19TH ST

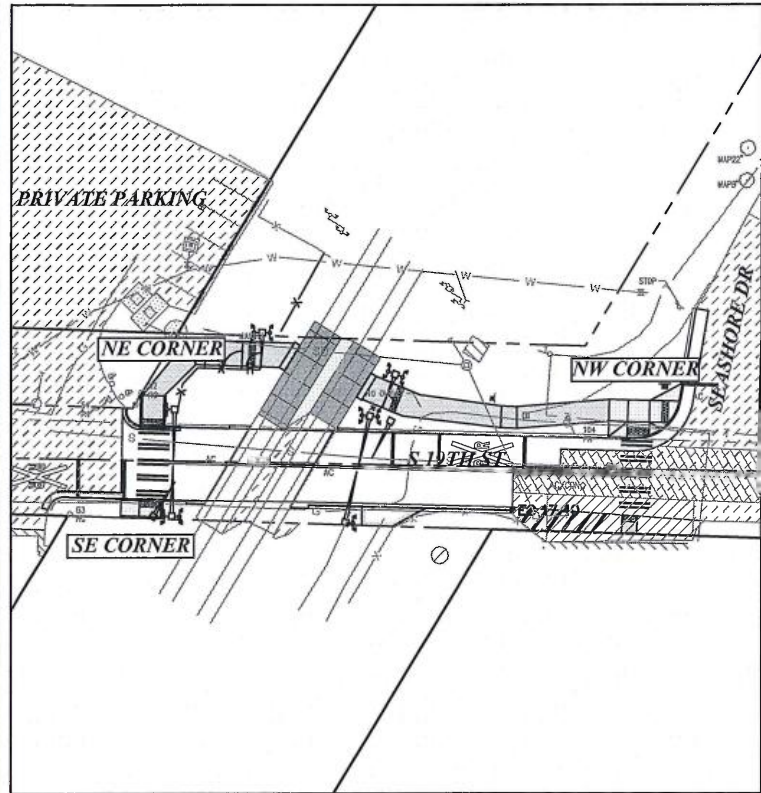
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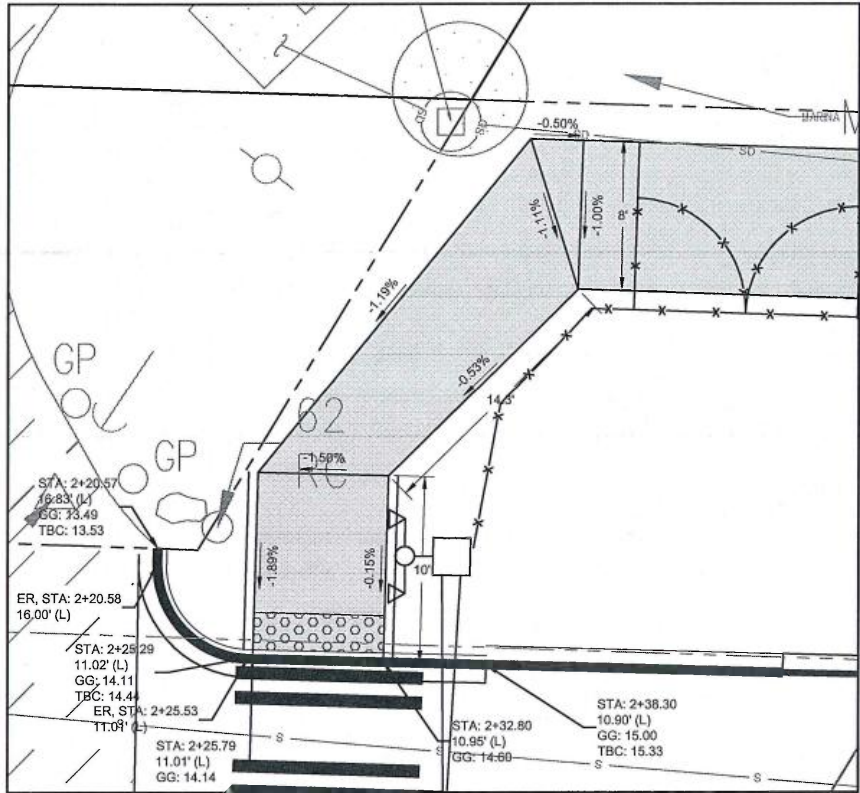
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Chris Larson
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CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
RAIL CROSSING IMPROVEMENTS
S 19TH STREET
CONSTRUCTION PLAN

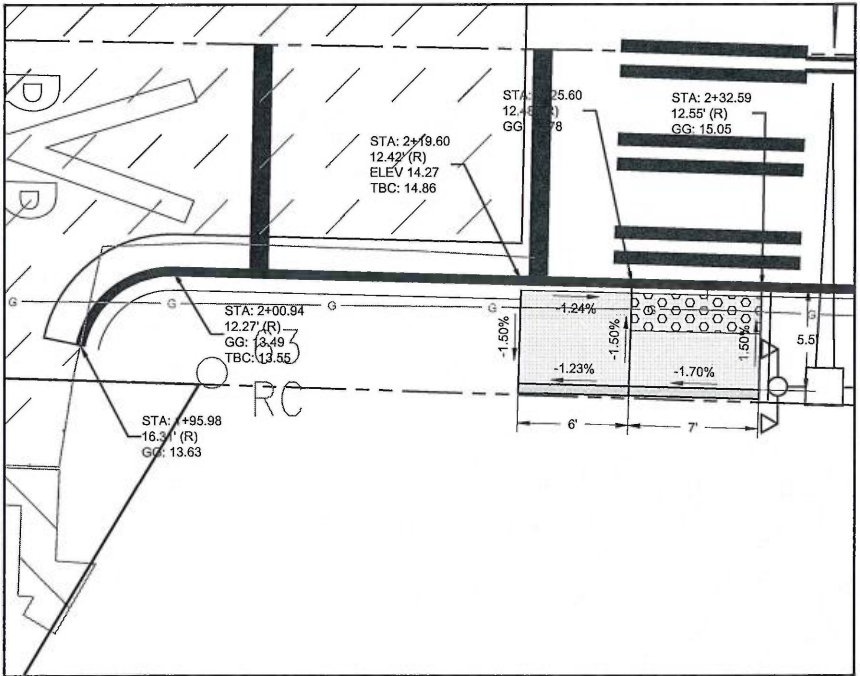
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PWK-01017
SHEET 9 of 13



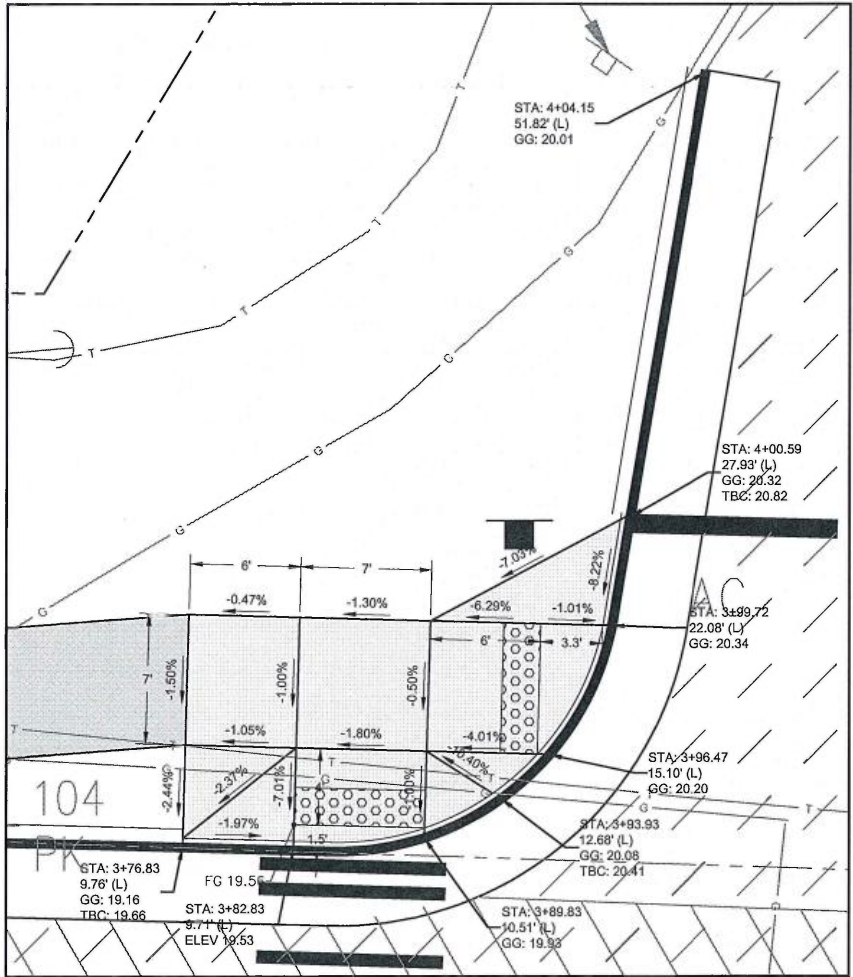
NW CORNER



NEW ADA RAMP DETAIL
S 19TH ST & PRIVATE PARKING
SCALE: 1" = 5'
NE CORNER



NEW ADA RAMP DETAIL
S 19TH ST & PRIVATE PARKING
SCALE: 1" = 5'
SE CORNER



NEW ADA RAMP DETAIL
S 19TH ST & S SEASHORE DR
SCALE: 1" = 5'
NW CORNER

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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.
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ADDENDUM 3

1/19/20

FINAL
CONSTRUCTION
CHECKED
BY
DATE
FIELD BOOKS

DATE
OCT 2020
DESIGNED
BCW
DRAWN
BCW
DRAWING NAME
19TH STREET SIDEWALK-ADA

SCALE
VARIES
CHECKED
Chk
PROJECT NAME
S 19TH ST



DocuSigned by:

Chris Larson

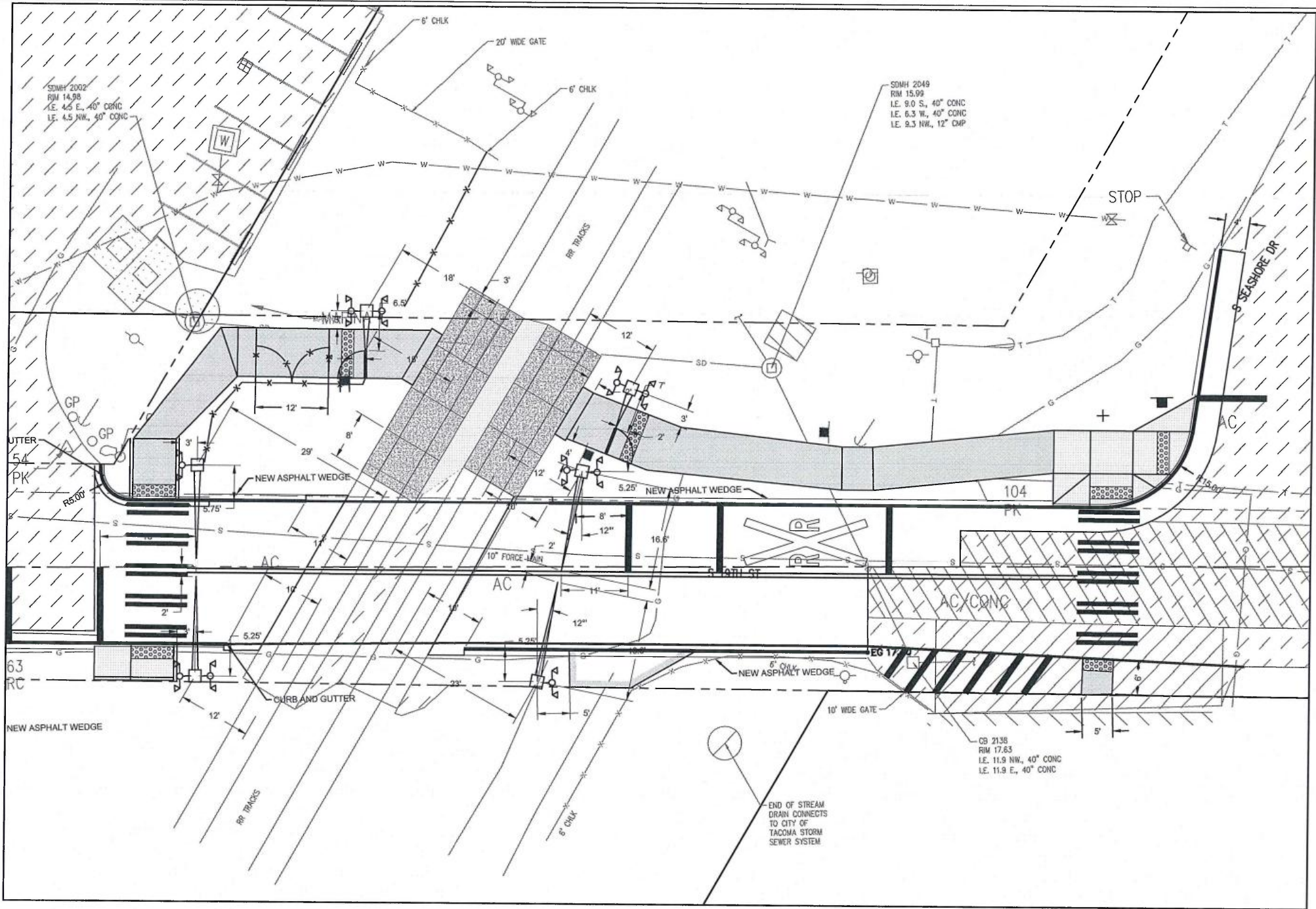
CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

RAIL CROSSING IMPROVEMENTS
S 19TH ST
ADA PLAN

RAIL-1280(039)

PWK-01017

SHEET NO.
SHEET 10 OF 13



CITY OF
TACOMA

HORIZ. DATUM: N.A.D. 83/91
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ADDENDUM 3		11/19/20	APPD
NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED		DATE	SCALE
DESIGNED	BCW	OCT 2020	1" = 10'
CHECKED	Chk		
DRAWN	BCW		
PROJECT NAME	S 19TH ST		
DRAWING NAME	19TH STREET SIDEWALK - DETAIL		



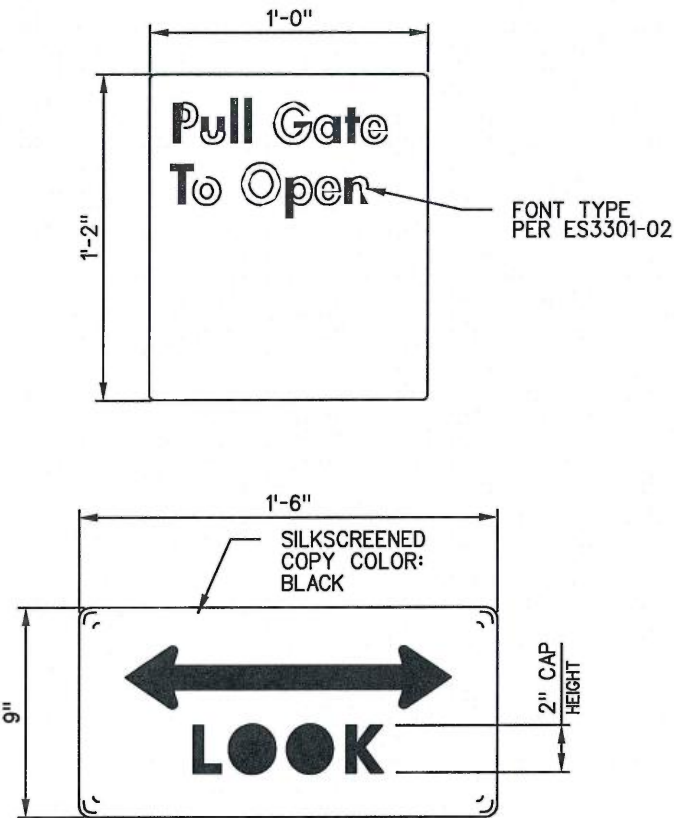
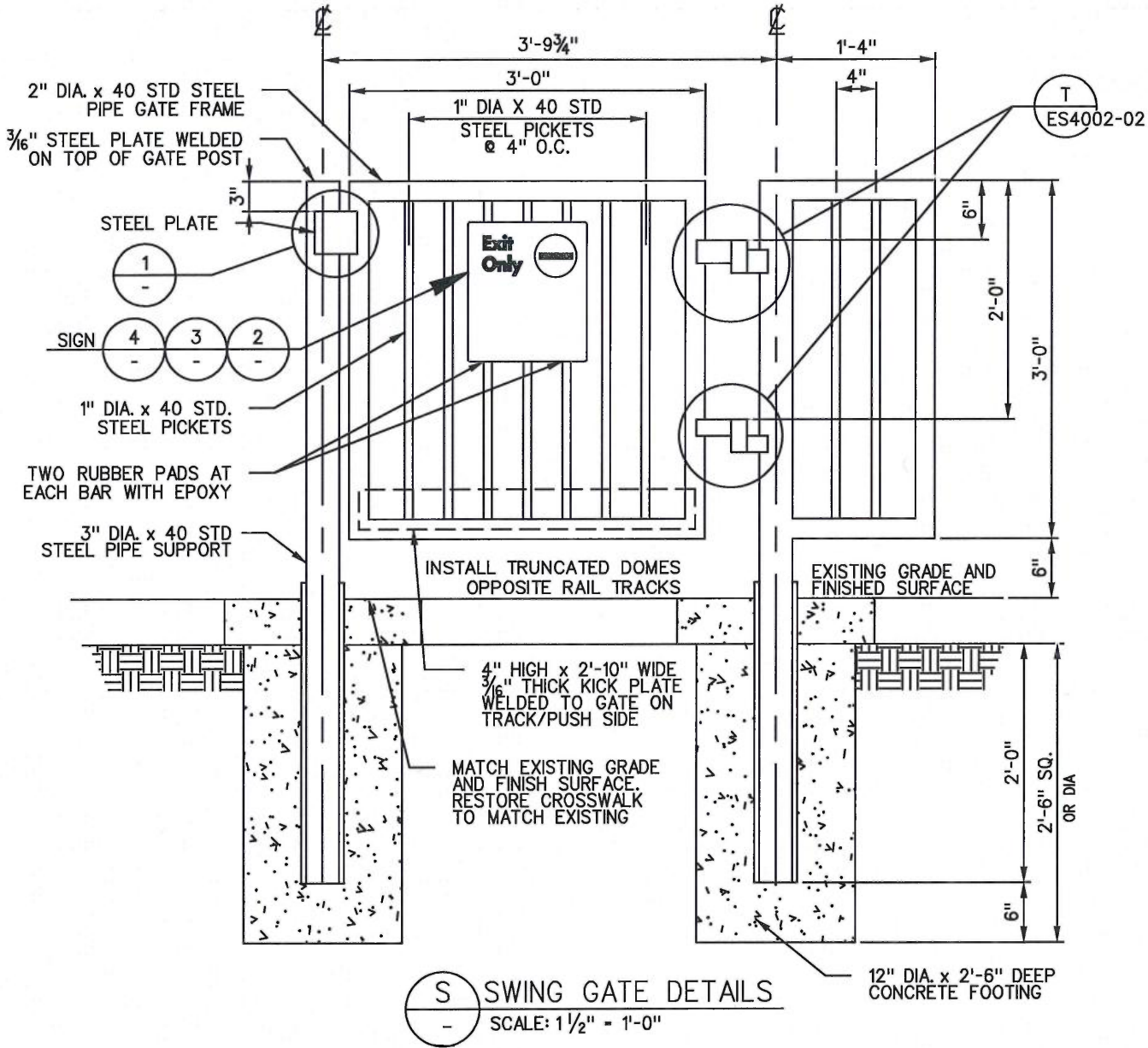
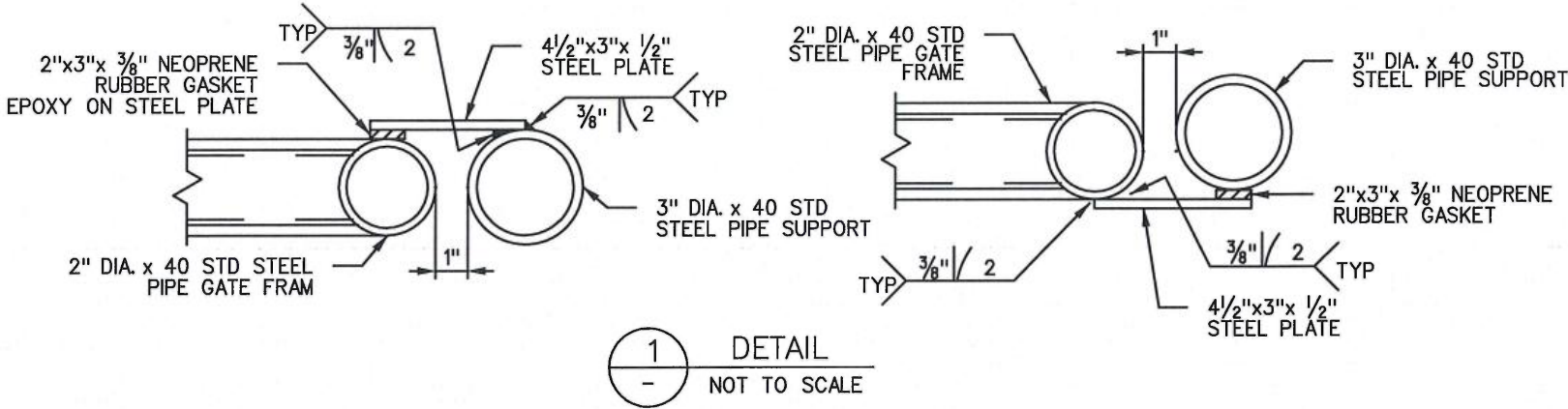
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Chris Larson
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CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS
S 19TH ST RAIL CROSSING
S 19TH ST
BNSF DIMENSION DETAIL PLAN

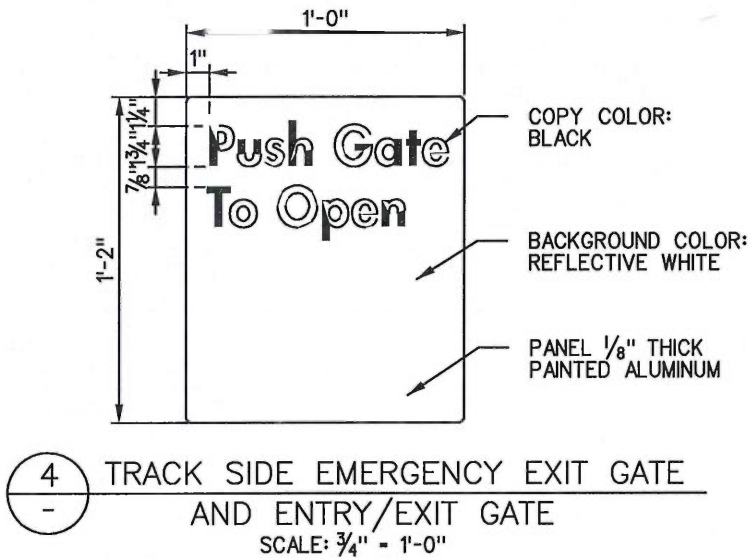
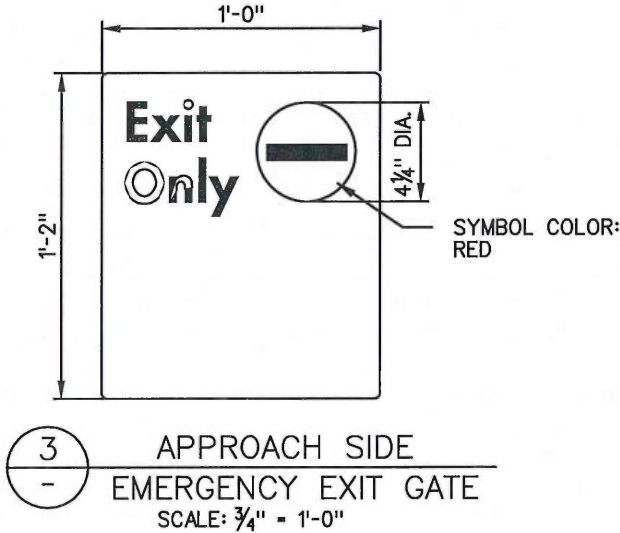
RAIL-1280(039)
PWK-01017
SHEET 11 OF 13

NOTES:

1. 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.
2. 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.
3. 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.



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ADDENDUM 3
ADDENDUM 2

1/19/20

1/18/20

DATE

APPD

FINAL
CONSTRUCTION
CHECKED
BY
DATE
FIELD BOOKS

DATE
OCT 2020
DESIGNED
BCW
DRAWN
BCW
PROJECT NAME
19TH ST
DRAWING NAME

SCALE
1" = 10'

CHECKED
Chk

PROJECT NAME
19TH ST

DRAWING NAME



DocuSigned by:
Chris Larson

CITY OF TACOMA
DEPARTMENT OF PUBLIC WORKS

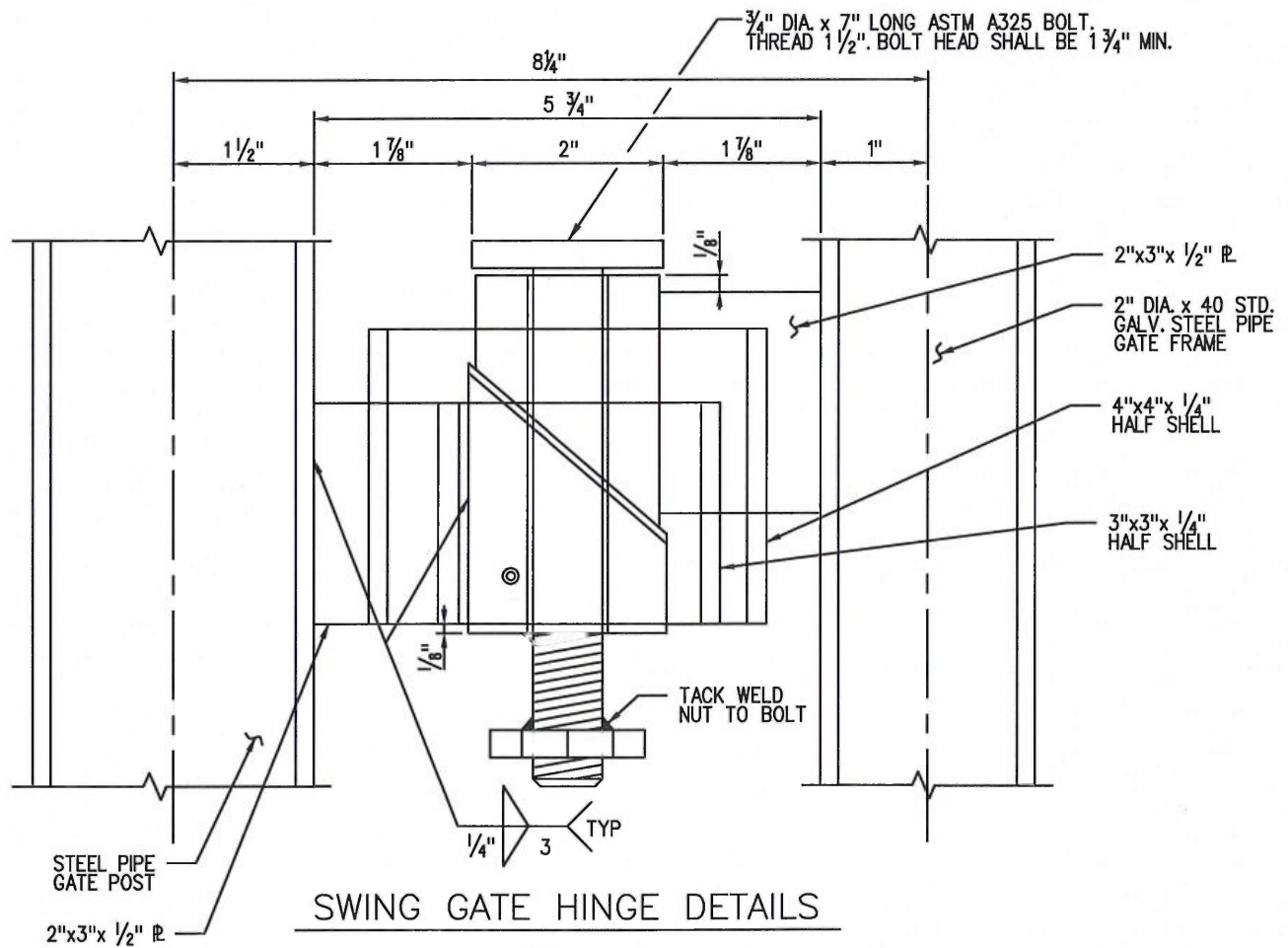
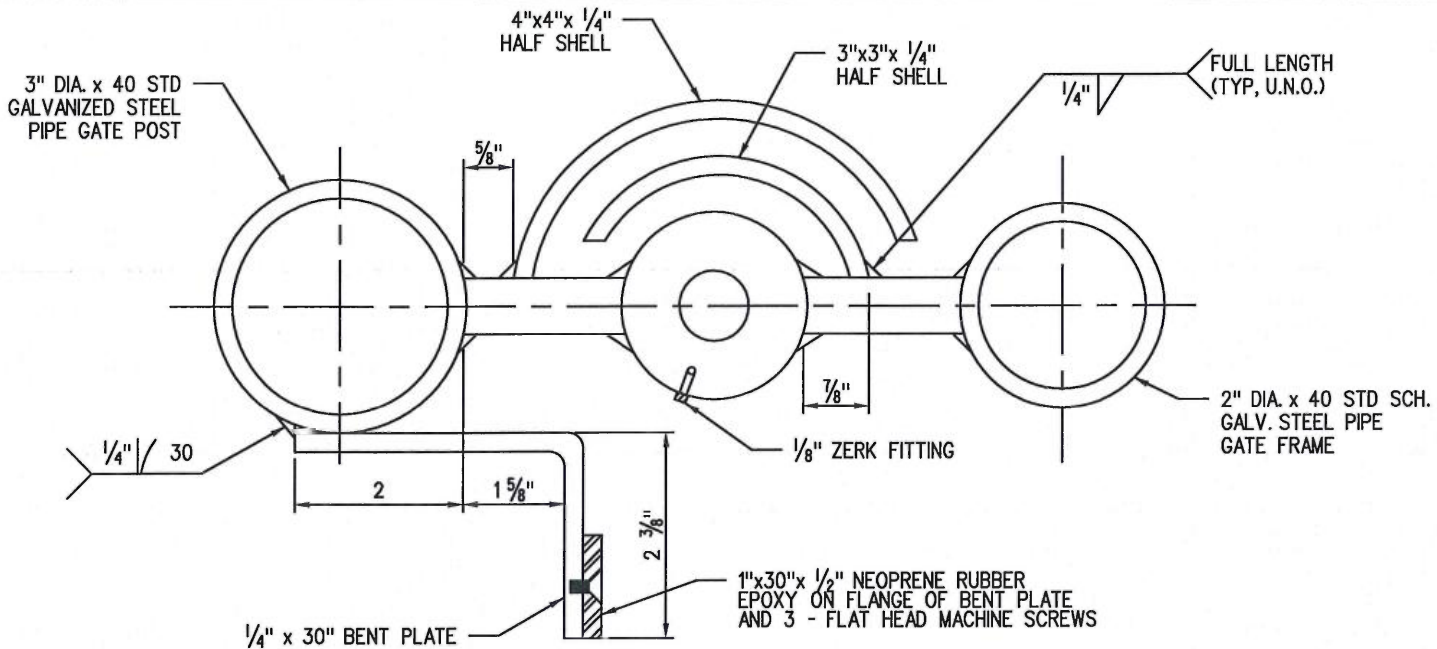
RAIL CROSSING IMPROVEMENTS
RAIL CROSSING IMPROVEMENTS
PEDESTRIAN SWING GATE DETAIL

RAIL-1280(039)

PWK-01017

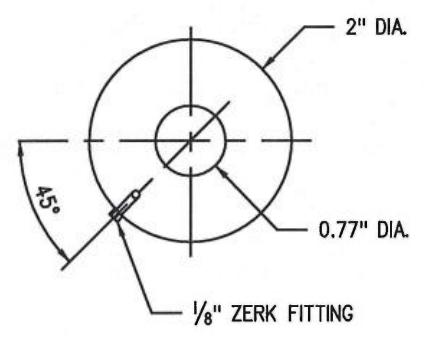
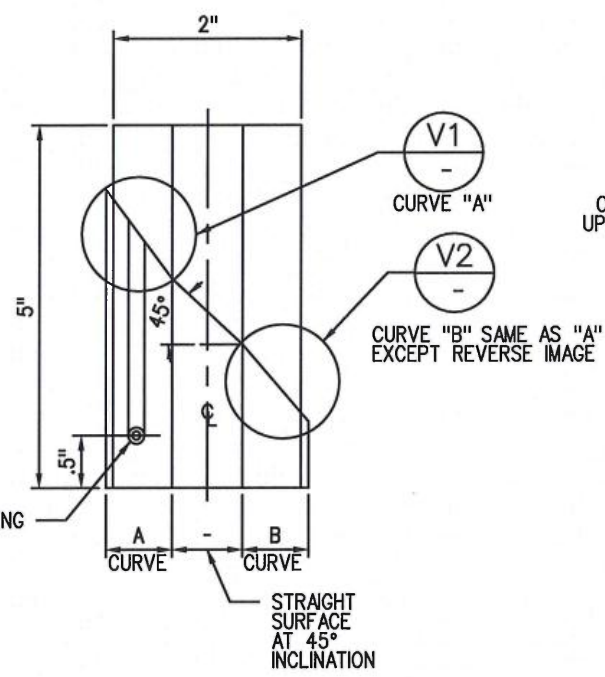
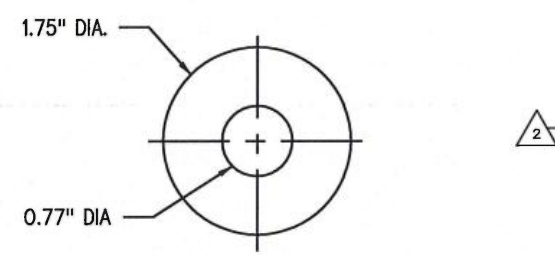
SHEET NO.

SHEET 12 OF 13



SWING GATE HINGE DETAILS

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-
DETAIL T

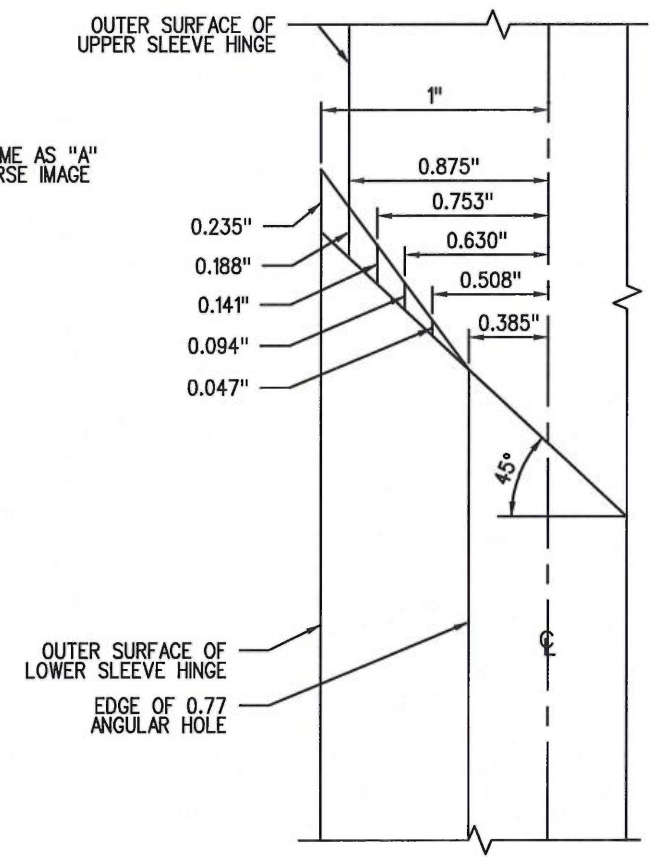


HINGE SLEEVE DETAILS

U
-
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.



HINGE SLEEVE CURVE DETAIL

CURVE "B" SAME AS "A" EXCEPT REVERSE IMAGE

V
-
DETAIL V1 & V2

CALL BEFORE YOU DIG
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



ADDENDUM 3
ADDENDUM 2

1/19/20
1/18/20

DATE

APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
DESIGNED	OCT 2020	1" = 10'
BCW	CHK	
DRAWN	BCW	PROJECT NAME
		19TH ST
FIELD BOOKS	DRAWING NAME	



DocuSigned by:
Chris Larson

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