



**TRANSMITTAL COVER SHEET**

Date: February 10, 2021

RECEIVED  
FEB 16 2021  
WASH. UT. & TP. COMM

**TO:**

Name of Recipient:

Betty Young  
Rail Safety Program Advisor  
Utilities and Transportation Commission  
PO Box 47250  
Olympia, WA 98504

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**FROM:**

Name of Sender:

Sam Zimbabwe  
Director  
Department of Transportation  
P.O. Box 34996  
Seattle, WA 98124-4996

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Message:

Please find enclosed copies of the following documentation for your records:

- City of Seattle Terminal 5 Quiet Zone – Letter to the Administrator
- City of Seattle Terminal 5 Quiet Zone – Notice of Intent
- City of Seattle Terminal 5 Quiet Zone - 60-day Comment Form
- City of Seattle Terminal 5 Quiet Zone – relevant plan sheets





**Seattle**  
Department of  
Transportation

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February 10, 2021

Mr. Karl Alexy  
Associate Administrator & Chief Safety Officer  
Federal Railroad Administration  
Mail Stop 25  
1200 New Jersey Avenue SE  
Washington, DC 20590

Dear Mr. Alexy,

The City of Seattle is pursuing the establishment of a quiet zone along industry track controlled by BNSF Railway Company. This quiet zone, herein referred to as the Terminal 5 Quiet Zone, is being established in advance of required mitigation detailed in the Port of Seattle Terminal 5 Cargo Wharf Rehabilitation, Berth Deepening, and Improvements Final EIS. Following the procedures established by *Title 49 Subtitle B, Chapter 2, Part 222, Use of Locomotive Horns at Public Highway-Rail Grade Crossings*, please find attached the City of Seattle's Notice of Intent to Establish a New 24-Hour Quiet Zone by Public Authority Designation.

In accordance with 49 CFR § 222.43 (b)(3)(i) the City of Seattle will accept comments related to the proposed Quiet Zone for 60 days following the certified mailing date of this Notice of Intent. A comment form and contact information for comment submission is included.

Should you have any questions or concerns regarding this Notice of Intent, please feel free to contact Ms. Treysea M. Tate, Associate Civil Engineer, Rail - Seattle Department of Transportation at [Treysea.Tate@seattle.gov](mailto:Treysea.Tate@seattle.gov) or (206) 684-8163.

Sincerely,

Sam Zimbabwe  
Director  
City of Seattle  
Department of Transportation  
Seattle Municipal Tower  
P.O. Box 34996  
Seattle, WA 98124-4996

Enclosure

CC: Jeffrey Stewart, Federal Railroad Administration  
Betty Young, Utilities and Transportation Commission  
Mike Turcott, Utilities and Transportation Commission  
Connie Raezer, Washington State Department of Transportation  
Stephen Semenick, BNSF Railway Company



CERTIFIED MAIL – RETURN RECEIPT REQUESTED

DATE: February 10, 2021

SUBJECT: **Terminal 5 Quiet Zone, BNSF Railway Company Industry Track  
Notice of Intent to Establish a Railroad Quiet Zone by Public Authority Designation  
Title 49 Code of Federal Regulations 222.39 (a)(1)**

Notice is hereby given that the City of Seattle, in King County, Washington intends to apply to the Associate Administrator for Railroad Safety of the Federal Railroad Administration for the creation of a New 24-Hour Quiet Zone by Public Authority Designation on BNSF Railway Company industry tracks in accordance with regulatory provisions contained within Title 49 of the Code of Federal Regulations (CFR), Part 222 Use of Locomotive Horns at Public Highway-Rail Grade Crossings, Final Rule pursuant to 49 CFR 222.39 (a)(1).

Pursuant to 49 CFR § 222.43 (b)(3)(i), parties receiving this Notice of Intent may submit information or comments regarding the proposed Terminal 5 Quiet Zone to the City of Seattle during the 60-day period after the date which the Notice of Intent was mailed.

**49 CFR 222.43(b)(2)(i) – AFFECTED HIGHWAY RAIL CROSSINGS**

There are five (5) at-grade highway crossings, one (1) public crossing, four (4) private industry crossings and two public (2) grade-separated crossings within the proposed Terminal 5 Quiet Zone.

CROSSING NUMBER	USDOT CROSSING INVENTORY ID NUMBER	RAILROAD MILEPOST	STREET/OWNER NAME
1	096202N	182.533	CHELAN AVE SW
2	096201G	182.449	PS TERMINAL FRT
3	096197U	182.315	SEATTLE STL XNG
4	977570M	182.283	PRIVATE
5	977571U	182.199	PRIVATE
6	096199H	RR UNDER	SPOKANEST BR
7	095992T	RR UNDER	WEST SEATTLE BR

**49 CFR 222.43(b)(2)(ii) – TIME RESTRICTION**

The new Terminal 5 Quiet Zone is proposed to be in effect 24 hours per day, seven days per week with the exception of emergency and other situations as described in 49 CFR 222.23.

**49 CFR 222.43(b)(2)(iii) – PROPOSED SAFETY IMPROVEMENTS**

DOT# 096202N (Crossing 1) is the public highway-rail grade crossing to be permanently closed to vehicular traffic. The at-grade pedestrian crossing will be protected by an active warning system that will include gate arms, flashing lights, one warning bell and signage and pavement markings per MUTCD Section 8. First responder access will be allowed via removable bollards.

DOT# 096201G (Crossing 2) is a private at-grade crossing that will be permanently closed to all traffic modes including bicycles and pedestrians. The existing crossing surface will be removed and entrance through or across the railroad right-of-way will be restricted by chain link fencing.

DOT# 096197U (Crossing 3) is a private crossing that will be upgraded to a public at-grade crossing protected by a four-quadrant gate system with flashing lights and interconnected with the highway traffic control system at the intersection with W. Marginal Way SW.

DOT# 977570M (Crossing 4) is a private crossing that will be closed to all traffic modes. The existing crossing surface will be removed and entrance through or across the railroad right-of-way will be restricted by chain link fencing.

DOT# 977571U (Crossing 5) will remain a private crossing owned by United Motor Freight/Riverside Mills (UMF/RM) with controlled access limited to UMF/RM employees and customers, BNSF Railway Company employees and their service contractors. Entrance through or across the railroad right-of-way in this location will be one-way in and controlled by chain link fence and locked gates outside of UMF/RM regular operating hours.

The two grade-separated crossings, DOT# 096199H – Spokane Ave Overpass (Crossing 6) and DOT# 095992T – West Seattle Bridge (Crossing 7) will not receive crossing safety upgrades.

The entire railroad right-of-way within the designated quiet zone will be protected from trespassing, intended or accidental, by perimeter chain link fencing along either side of the tracks.

All Supplemental Safety Measures (SSM's) designed for Crossings 1 and 3 will comply with the requirements of Appendix A of Title 49 CFR Part 222 and the current Manual on Uniform Traffic Control Devices (MUTCD).

CROSSING NUMBER	USDOT CROSSING INVENTORY ID	RAILROAD MILEPOST	STREET OR OWNER NAME	PROPOSED SSM INSTALLATION
1	096202N	182.533	CHELAN AVE SW	<ul style="list-style-type: none"> <li>• Permanent closure of Public highway rail grade crossing to vehicular traffic (Part 222, Appendix A.5).</li> </ul>
2	096201G	182.449	PS TERMINAL FREIGHT	<ul style="list-style-type: none"> <li>• Permanent closure of private highway rail grade crossing to vehicular traffic.</li> </ul>
3	096197U	182.315	SEATTLE STL XNG	<ul style="list-style-type: none"> <li>• Four-Quadrant gate system (Part 222, Appendix A.2).</li> <li>• Presence detection with 60-ft of traffic (Part 222, Appendix A.2)</li> </ul>
4	977570M	182.283	GEN CONSTR XING	<ul style="list-style-type: none"> <li>• Permanent closure of private highway rail grade crossing to vehicular traffic.</li> </ul>

In addition to the Supplemental Safety Measures (SSM's) to be installed, additional improvements (Non SSM's) will be made at all at-grade crossings:

CROSSING NUMBER	USDOT CROSSING INVENTORY ID	RAILROAD MILEPOST	STREET OR OWNER NAME	PROPOSED NON SSM INSTALLATION
1	096202N	182.539	CHELAN AVE SW	<ul style="list-style-type: none"> <li>• Installation of fixed and removable bollards.</li> <li>• Installation of 6-ft chain link fence (City of Seattle Standard Plan 450a, Type 6 and 450c).</li> <li>• MUTCD Section 8 advance warning signage and pavement markings.</li> </ul>
3	096197U	182.315	SEATTLE STL XNG	<ul style="list-style-type: none"> <li>• Installation of 6-ft chain link perimeter fence (City of Seattle Standard Plan 450a, Type 6 and 450c).</li> <li>• MUTCD Section 8 advance warning signage and pavement markings.</li> </ul>
5	977571U	182.199	PRIVATE	<ul style="list-style-type: none"> <li>• Installation of 6-ft chain link fence and gate (City of Seattle Standard Plan 450a, Type 6 and 450c).</li> <li>• MUTCD Section 8 advance warning signage and pavement markings.</li> </ul>

These improvements have been initially coordinated during diagnostic site reviews with representatives from BNSF, the FRA the Port of Seattle, Northwest Seaport Alliance and Seattle Department of Transportation on November 16, 2017 and November 11, 2019.

The City will not be installing any Alternative Safety Measures (ASM's) at any of the crossings within the quiet zone.

#### 49 CFR 222.43(b)(2)(iv) – POINT OF CONTACT

**QUIET ZONE NAME:** Terminal 5 Quiet Zone  
**CONTACT NAME:** Treysea M. Tate  
**CONTACT TITLE:** Associate Civil Engineer, Rail

**ORGANIZATION:** City of Seattle, Department of Transportation  
**ADDRESS:** P.O. Box 34996  
 Seattle, WA 98124-4996

**PHONE:** 206-684-8163  
**FAX:** 206-684-3272  
**EMAIL:** Treysea.Tate@seattle.gov

## 49 CFR 222.43(b)(2)(v) – PARTIES TO RECEIVE NOTICE OF INTENT

The following parties will receive this Notice of Intent in accordance with 49 CFR 22.43(a)(1):

### 1. Railroads operating over the highway-rail at-grade crossings

Stephen Semenick  
Manager of Public Projects  
BNSF Railway Company  
2454 Occidental Ave S, Suite 1A  
Seattle, WA 98134

### 2. State agencies responsible for highway and road safety and State agency responsible for at-grade crossing safety

Betty Young  
Rail Safety Program Advisor  
WA Utilities and Transportation  
Commission  
621 Woodland Square Loop SE  
PO Box 47250  
Olympia, WA 98504-7250

Connie Raezer  
WSDOT Railroad Liaison  
310 Maple Park Avenue SE, 2B  
PO Box/Mailstop 47329  
Olympia, WA 98504-7329

Mike Turcott  
Transportation Planning Specialist  
WA Utilities and Transportation Commission  
621 Woodland Square Loop SE  
PO Box 47250  
Olympia, WA 98504-7250

### 3. Federal Railroad Administration

Karl Alexy  
Associate Administrator for Railroad Safety  
Federal Railroad Administration  
Mail Stop 25  
1200 New Jersey Avenue SE  
Washington, DC 20590

Jeffrey P. Stewart  
Region 8 Grade Crossing Inspector  
Federal Railroad Administration  
500 E. Broadway, Suite 240  
Vancouver, WA 98660

## 49 CFR 222.43(b)(3)(ii) – ACTION DURING 60-DAY COMMENT PERIOD

Parties receiving a copy of this Notice of Intent for the proposed Terminal 5 Quiet Zone may submit information about the above noted quiet zone to the City of Seattle during the 60-day period after the date on which the Notice of Intent was mailed.

The 60-day comment period will terminate when the City of Seattle obtains written comments or written statements that there are no comments from all parties receiving this Notice of Intent.



Attached for your convenience is a comment form to facilitate your response. Please forward all comments and concerns on the provided form to: Treysea Tate, Associate Civil Engineer, Rail, Seattle Department of Transportation.

Sincerely,

A handwritten signature in black ink, appearing to read 'SZ', is positioned above the typed name.

Sam Zimbabwe  
Director  
City of Seattle Department of Transportation

Enclosure:      Notice of Intent Response Form  
                     Terminal 5 Quiet Zone At-Grade Crossing Exhibits



Enclosure

Date: \_\_\_\_\_

Return to:     Treysea M. Tate,  
Associate Civil Engineer, Rail  
City of Seattle, Department of Transportation  
P.O. Box 34996  
Seattle, WA 98124-4996

SUBJECT:       Terminal 5 Quiet Zone  
Notice of Intent to Establish a Railroad Quiet Zone by Public Authority Designation  
Title 49 Code of Federal Regulations 222.39 (a) (1)

We have received your Notice of Intent Dated February 10, 2021 and offer the following:

No Comment

Comment

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\_\_\_\_\_  
Signature

From: (Please Print)

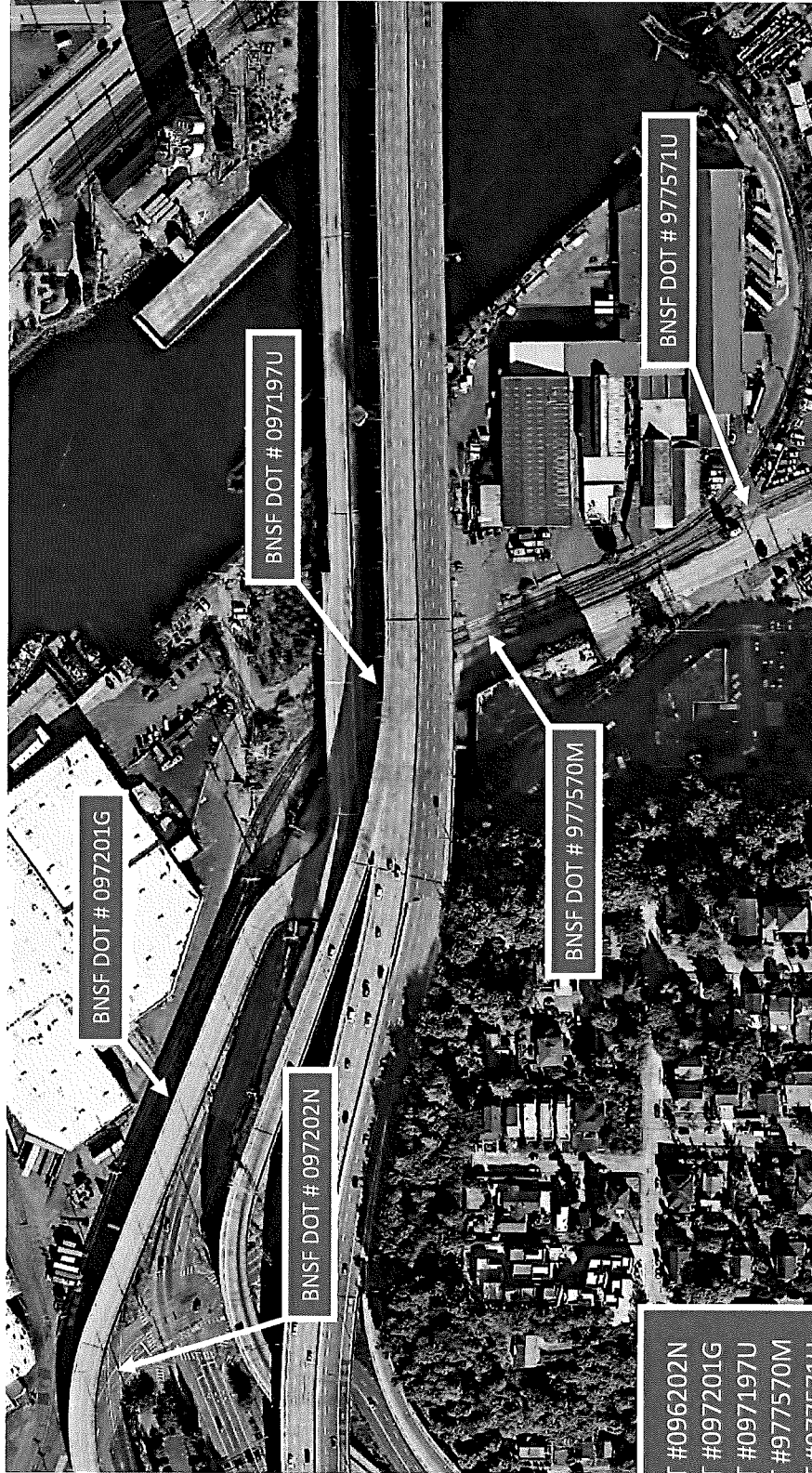
\_\_\_\_\_  
Name

\_\_\_\_\_  
Organization

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State, Zip Code





- Xing 1 – DOT #096202N
- Xing 2 – DOT #097201G
- Xing 3 – DOT #097197U
- Xing 4 – DOT #977570M
- Xing 5 – DOT #977571U



**PERTEET**  
 505 FIFTH AVENUE, SUITE 300  
 SEATTLE, WA 98104  
 206.436.0515 | 800.615.9900

APPROVED FOR ADVERTISING  
 LIZ ALZEER  
 DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
 SEATTLE, WASHINGTON 20

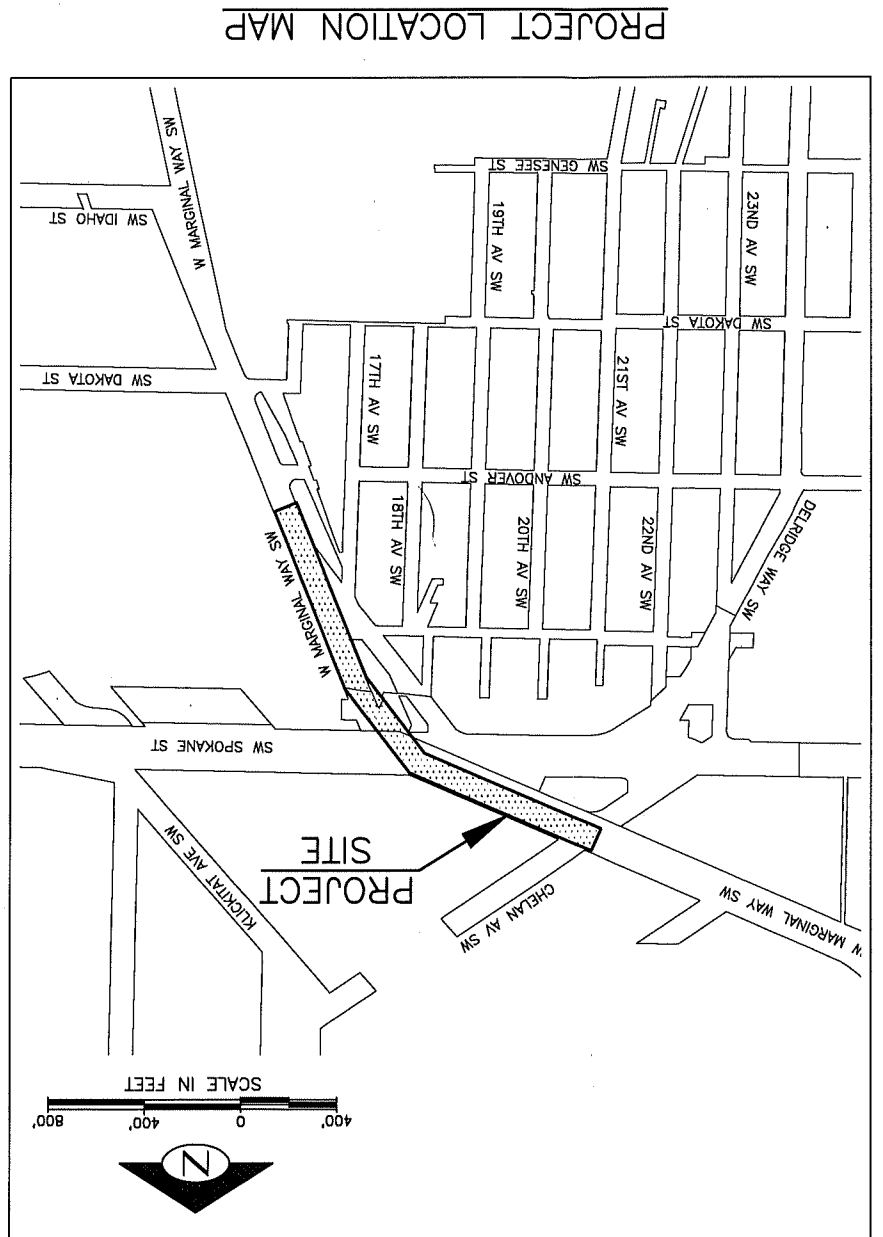
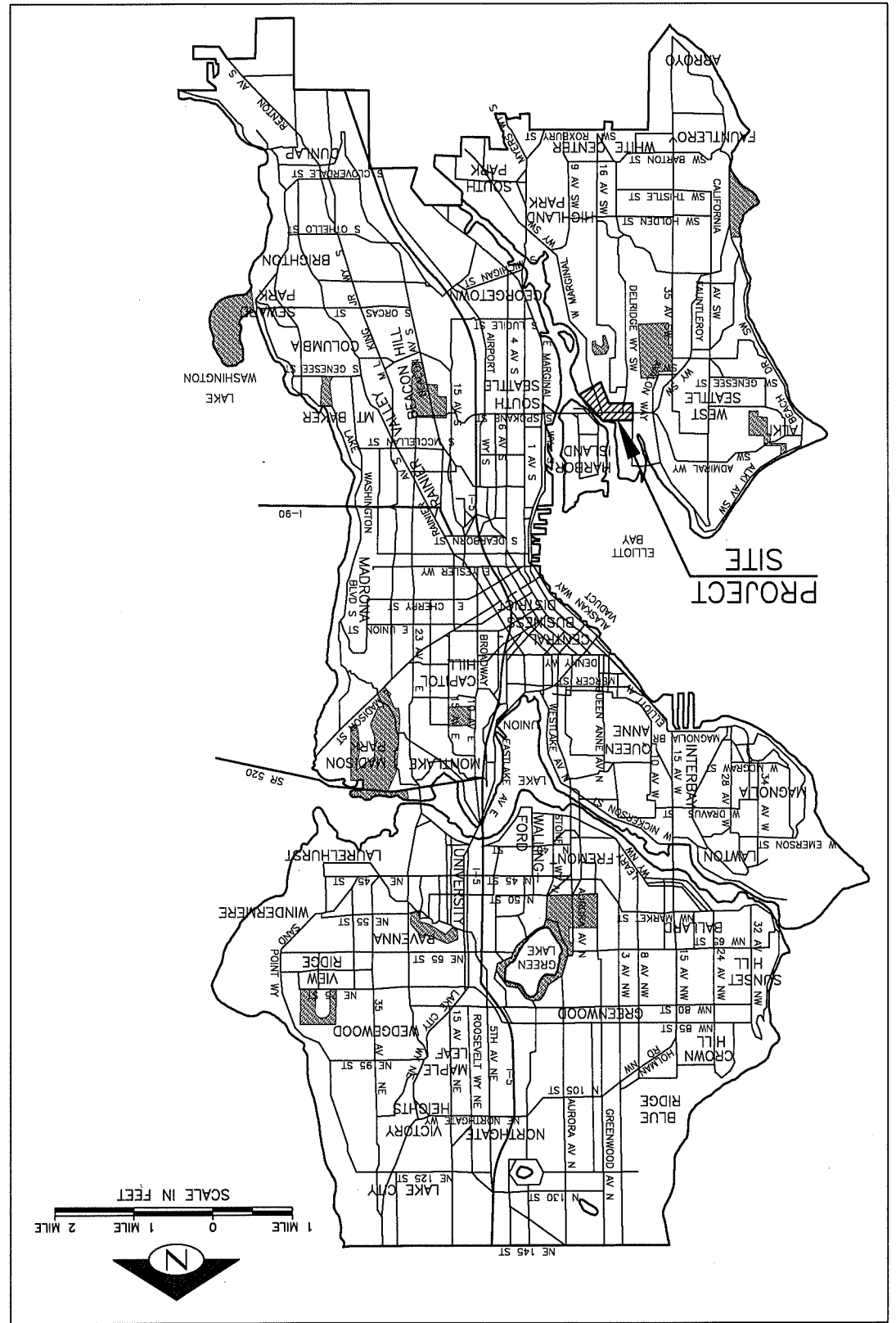
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REVIEWED:	DES. PROJ. MGR. 9/30/20
RECEIVED	RECEIVED AS BUILT
DRAWN: KWC 9/30/20	CHECKED: MHH 9/30/20



Seattle Department of Transportation  
 ORDNANCE NO. PM NO. 2019-090  
 SUPPLEMENT ID:  
 SCALE: AS SHOWN

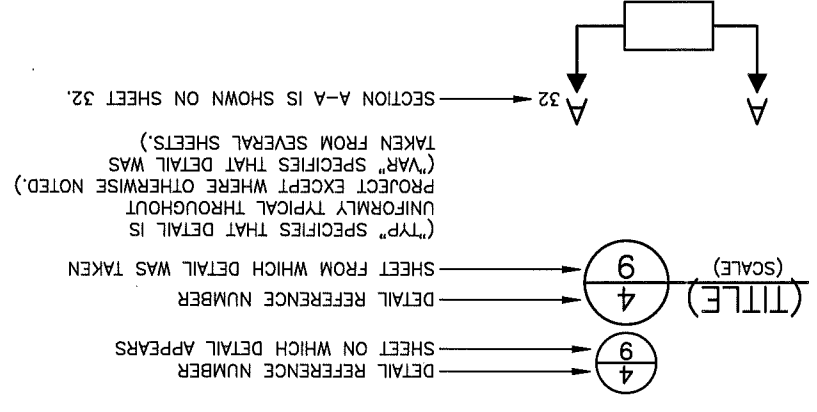
**TERMINAL 5 QUIET ZONE IMPROVEMENTS**  
 G-001  
 VPI # 790-955  
 PC TR0500-01388  
 SHEET 1 OF 60

95% SUBMITTAL (NOT FOR CONSTRUCTION)



SHEET	DRAWING	SHEET DESCRIPTION
1	G-001	COVER
2	G-002	GENERAL NOTES
3-6	V-101 - V-104	SURVEY CONTROL PLAN (PROVIDED BY SPU)
7	V-105	ALIGNMENT PLAN
8-12	V-106 - V-110	RIGHT OF WAY PLAN
13-17	CD-101 - CD-105	SITE PREPARATION PLAN
18-22	CU-101 - CU-105	DRAINAGE PLAN
23	CP-201	TYPICAL SECTIONS
24-28	CP-101 - CP-105	PAVING PLAN
29-30	CPD-101 - CPD102	PAVING DETAILS
31	CPD-103	GATE PLAN AND DETAILS
32-36	CR-101 - CR-105	CURB RAMP PLAN
37-46	E-101 - E-110	SIGNAL PLAN, DETAILS, AND WIRE TERMINATIONS
47-50	E-111 - E-114	MISCELLANEOUS CONDUIT PLAN
51-56	CH-101 - CH-106	CHANNELIZATION AND SIGNING PLAN
57	CHD-101	SIGNING DETAILS
58	CHD-102	CHANNELIZATION DETAILS
59	ST-101	STRUCTURAL GENERAL NOTES
60	ST-102	POLE FOUNDATION PLAN

DETAIL AND SECTION REFERENCING



SECTION A-A (TITLE) (SCALE)

COVER

DATE	MARK	NATURE	MADE CHECKED BY/VD
3/7/26		REVISIONS	

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 505 FIFTH AVENUE, SUITE 300  
 SEATTLE, WA 98104  
 206.436.0515 | 800.615.9900

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 SEATTLE, WASHINGTON  
 20

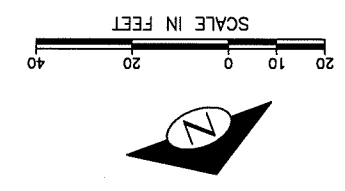
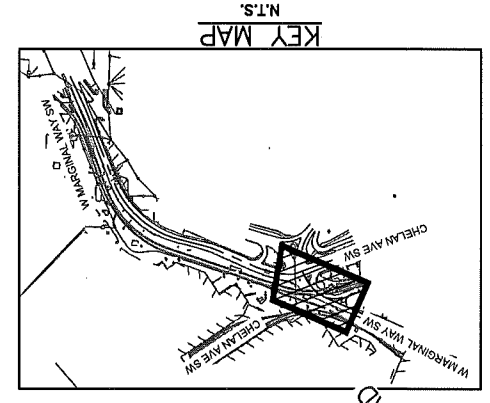
INITIALS AND DATE	DESIGNED KMW 10/14/2019	CHECKED MRF 10/14/2019	DRAWN KWC 10/14/2019
REVIEWED:	DES. CONST. PROJ. MGR.	SOOT	RECEIVED AS BUILT
INITIALS AND DATE	10/14/2019	10/14/2019	10/14/2019



Seattle Department of Transportation  
 PW NO. 2018-090  
 SCALE: 1"=20'  
 SURVEY NO. 101

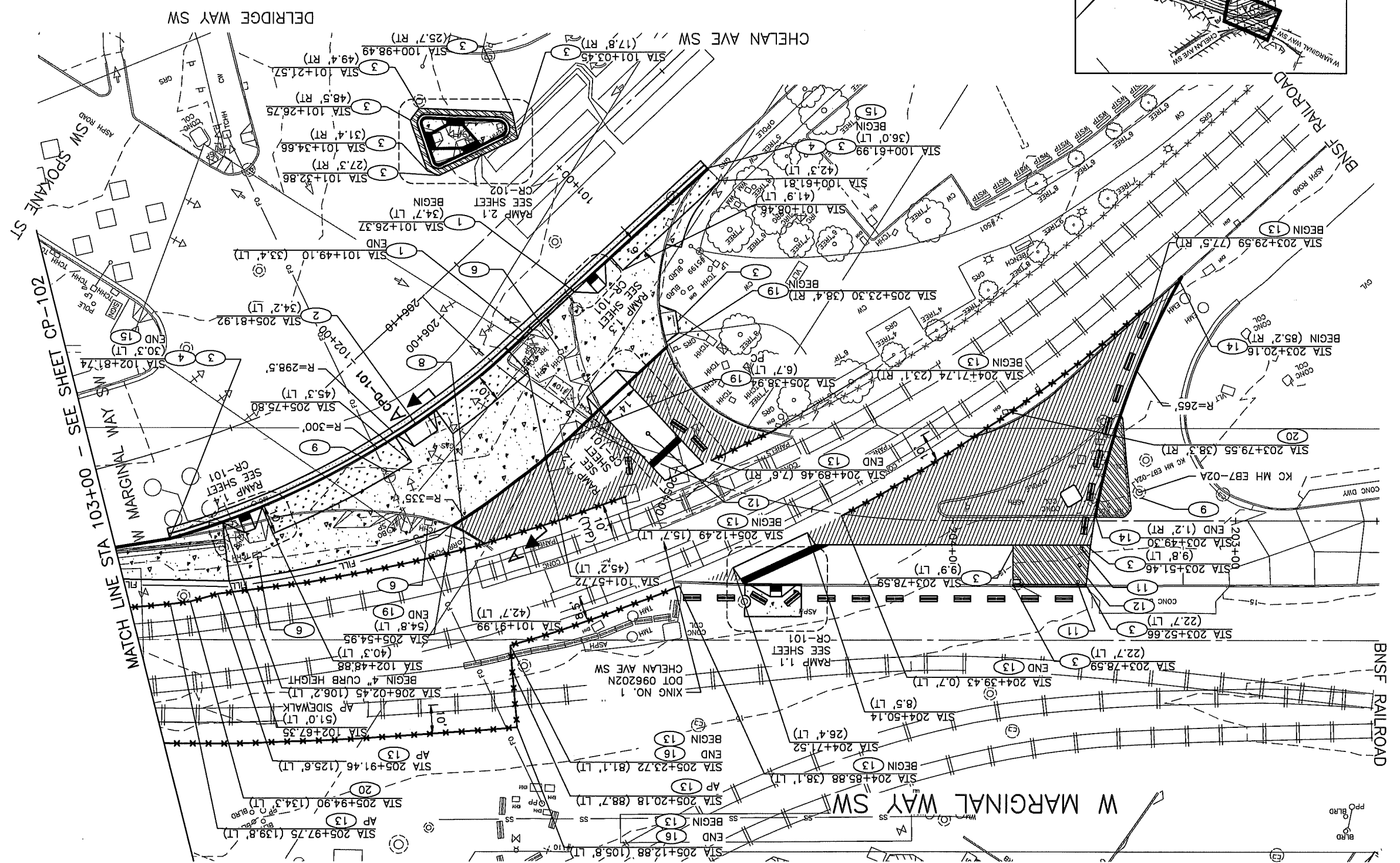
SHEET 24 OF 60	CP-101	VP # 790-955	TRC0500-U1388
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**95% SUBMITTAL (NOT FOR CONSTRUCTION)**



- PAVING LEGEND**
- 4 SIDEWALK, CEM CONC W/25% POZZOLANS, SEE STD PLAN 420
  - 22 OVER ROADWAY CEM CONC, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - 21 OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - 20 SEEDED LAWN INSTALLATION OVER TOPSOIL TYPE A PER STD PLAN 142
  - 17 TYPE 17 MINERAL AGGREGATE, PROPOSED DEPTH TO MATCH REMOVAL DEPTH
  - 16 CURB, CEM CONC, TYPE 410C
  - 15 CURB AND GUTTER, CEM CONC, TYPE 410B
  - 14 RELOCATED ECOLOGY BLOCK OR JERSEY BARRIER BLOCK, SEE SPEC SECTION 2-02
  - 13 FILL LINE, SEE TYPICAL SECTIONS ON SHEET CP-201
  - 12 CHAIN LINK FENCE TYPE 1, SEE STD PLAN 450A
  - 11 JERSEY BARRIER WITH FENCE FENCE, SEE DETAIL ON SHEET CPD-103

- CONSTRUCTION NOTES**
- 1 INSTALL EMERGENCY ACCESS ROLLED CURB PER DETAIL ON SHEET CP-102
  - 2 INSTALL DRIVEWAY, TYPE 430A
  - 3 MATCH EXISTING SIDEWALK OR ROADWAY
  - 4 MATCH EXISTING CURB HEIGHT
  - 5 MATCH EXISTING SIDEWALK ELEVATION
  - 6 ADJUST EXISTING JUNCTION BOX TO GRADE
  - 7 ADJUST EXISTING UTILITY VAULT TO GRADE
  - 8 ADJUST EXISTING UTILITY VALVE BOX TO GRADE
  - 9 ADJUST EXISTING MH, CB, OR VC TO GRADE
  - 10 ADJUST EXISTING WATER METER BOX TO GRADE
  - 11 INSTALL FIXED WOOD BOLLARD PER STD PLAN 463
  - 12 INSTALL BREAKAWAY WOOD BOLLARD, SEE SPEC SECTION 8-02SP
  - 13 INSTALL CHAIN LINK FENCE TYPE 1 PER STD PLAN 450A
  - 14 CURB, CEM CONC, TYPE 410C
  - 15 CURB AND GUTTER, CEM CONC, TYPE 410B
  - 16 INSTALL CHAIN LINK GATE TYPE 1, DOUBLE 20 FT WIDE, PER STD PLAN 450C
  - 17 INSTALL 6' HEIGHT ROLLING GATE PER DETAILS ON SHEETS CPD-103
  - 18 REPLACE EXISTING WATER METER BOX (BY SPU)
  - 19 MONOLITHIC CURB PER STD PLAN 421
  - 20 INSTALL CHAIN LINK GATE TYPE 1, 6 FT WIDE, PER STD PLAN 450C
  - 21 INSTALL JERSEY BARRIER WITH FENCE, PER DETAIL ON SHEET CPD-102
  - 22 10'x10' BNSF PREFABRICATED BUNGALOW (BY OTHERS)
  - 23 INSTALL FIXED STEEL BOLLARD PER STD PLAN 465





**PERTEET**  
 505 5TH AVENUE, SUITE 300  
 SEATTLE, WA 98104  
 206.436.0515 | 800.615.9900

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 DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
 SEATTLE, WASHINGTON  
 20

INITIALS AND DATE  
 DESIGNED KMW 10/14/2019  
 CHECKED MRH 10/14/2019  
 DRAWN KWC 10/14/2019  
 CHECKED MRH 10/14/2019  
 REVISED AS BUILT  
 REVISIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.  
 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND CONTRACTING SERVICES DIRECTOR

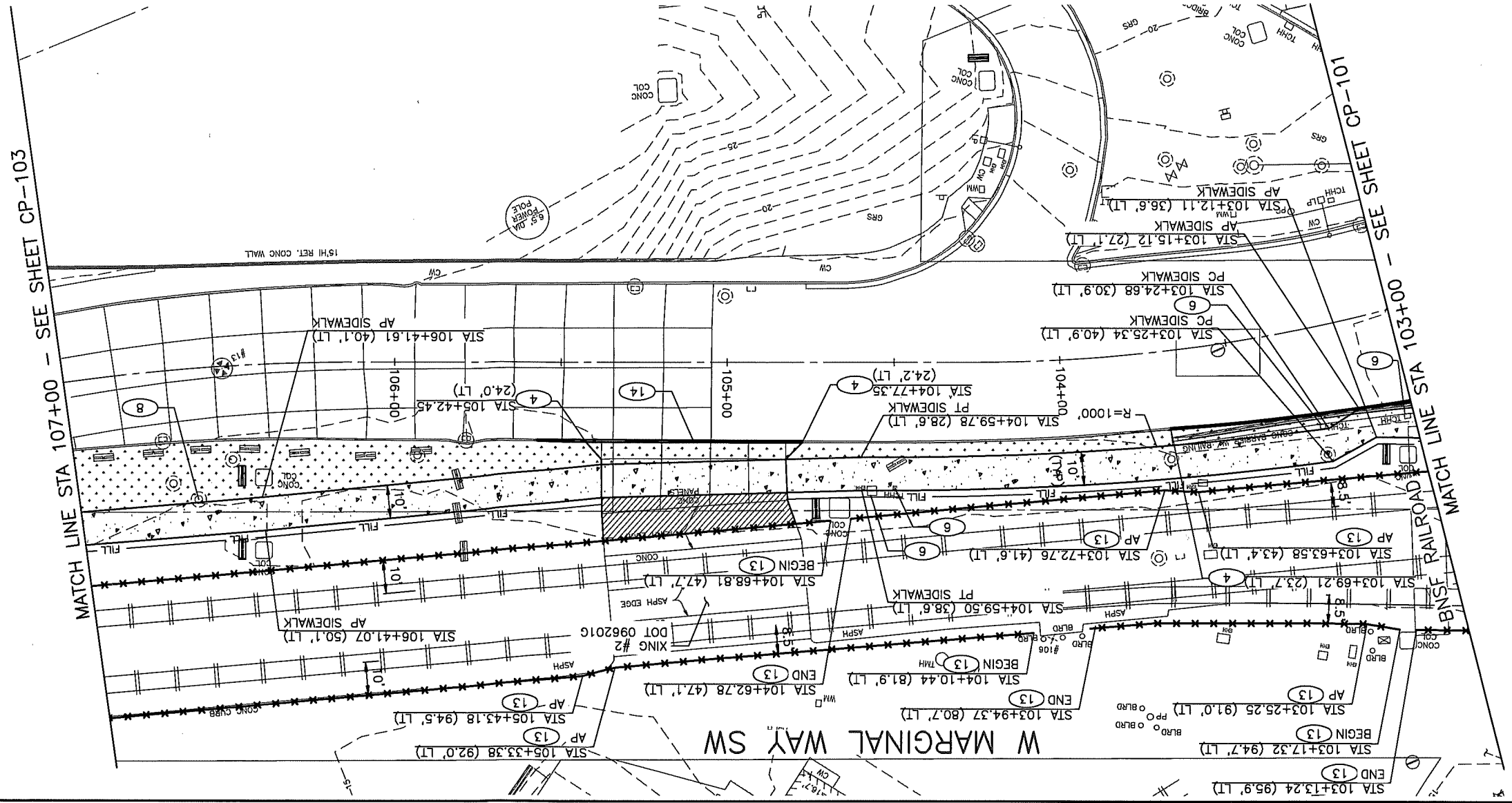
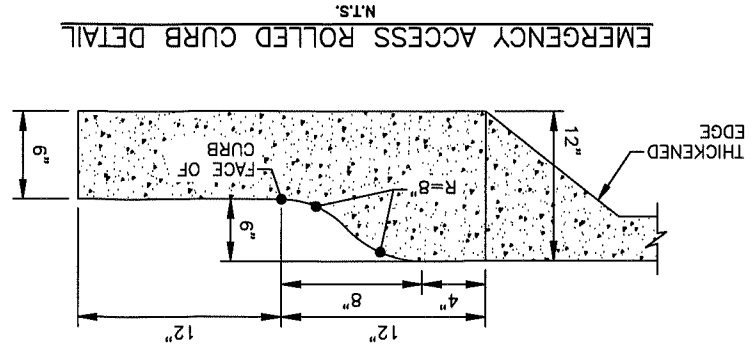
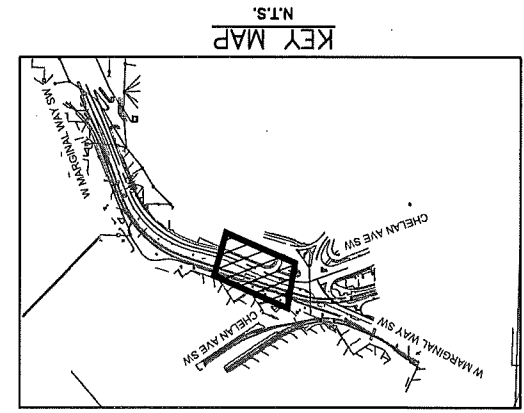
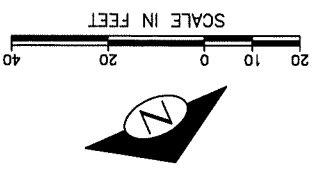


Seattle Department of Transportation  
 ORDNANCE NO. 11-207  
 SUBPROJECT ID: 11-207-090  
 PW NO. 2018-090  
 SCALE: 1"=20'

TRC0500-U1388  
 790-955  
 CP-102  
 25 OF 60

**PAVING PLAN**

- CONSTRUCTION NOTES**
- INSTALL EMERGENCY ACCESS ROLLED CURB PER DETAIL ON SHEET CP-102
  - INSTALL DRIVEWAY, TYPE 430A
  - MATCH EXISTING SIDEWALK OR ROADWAY
  - MATCH EXISTING CURB HEIGHT
  - MATCH EXISTING SIDEWALK ELEVATION
  - ADJUST EXISTING JUNCTION BOX TO GRADE
  - ADJUST EXISTING UTILITY VAULT TO GRADE
  - ADJUST EXISTING UTILITY VALVE BOX TO GRADE
  - ADJUST EXISTING MH, CB, OR VC TO GRADE
  - ADJUST EXISTING WATER METER BOX TO GRADE
  - INSTALL FIXED WOOD BOLLARD PER STD PLAN 463
  - INSTALL BREAKAWAY WOOD BOLLARD, SEE SPEC SECTION 8-02SP
  - INSTALL CHAIN LINK FENCE TYPE 1 PER STD PLAN 450A
  - CURB, CEM CONC, TYPE 410C
  - CURB AND GUTTER, CEM CONC, TYPE 410B
  - INSTALL CHAIN LINK GATE TYPE 1, 6 FT WIDE, PER STD PLAN 450C
  - INSTALL JERSEY BARRIER WITH FENCE, PER DETAIL ON SHEET CPD-102
  - INSTALL FIXED STEEL BOLLARD PER STD PLAN 465
  - REPLACE EXISTING WATER METER BOX (BY SPU)
  - MONOLITHIC CURB PER STD PLAN 421
  - INSTALL CHAIN LINK GATE TYPE 1, 6 FT WIDE, PER STD PLAN 450C
  - INSTALL JERSEY BARRIER WITH FENCE, PER DETAIL ON SHEET CPD-102
  - 10'x10' BNSF PREFABRICATED BUNGALOW (BY OTHERS)
  - INSTALL FIXED STEEL BOLLARD PER STD PLAN 465
- PAVING LEGEND**
- SIDEWALK, CEM CONC W/25% POZZOLANS, SEE STD PLAN 420
  - INSTALL 2" PAVEMENT, HMA CL 1/2" P6 58H-22 OVER ROADWAY CEM CONC, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - OVER ROADWAY CEM CONC, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - INSTALL ROADWAY CEM CONC, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - SEEDED LAWN INSTALLATION OVER TOPSOIL TYPE A PER STD PLAN 142
  - TYPE 17 MINERAL AGGREGATE, PROPOSED DEPTH TO MATCH REMOVAL DEPTH
  - CURB, CEM CONC, TYPE 410C
  - CURB AND GUTTER, CEM CONC, TYPE 410B
  - RELOCATED ECOLOGY BLOCK OR JERSEY BARRIER BLOCK, SEE SPEC SECTION 2-02
  - FILL LINE, SEE TYPICAL SECTIONS ON SHEET CP-201
  - CHAIN LINK FENCE TYPE 1, SEE STD PLAN 450A
  - JERSEY BARRIER WITH FENCE FENCE, SEE DETAIL ON SHEET CPD-103



**PERTEET**

505 FIFTH AVENUE, SUITE 300  
SEATTLE, WA 98104  
206.436.0515 | 800.615.9900

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DEPARTMENT OF FINANCE & ADMINISTRATIVE SERVICES  
SEATTLE, WASHINGTON 20

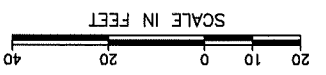
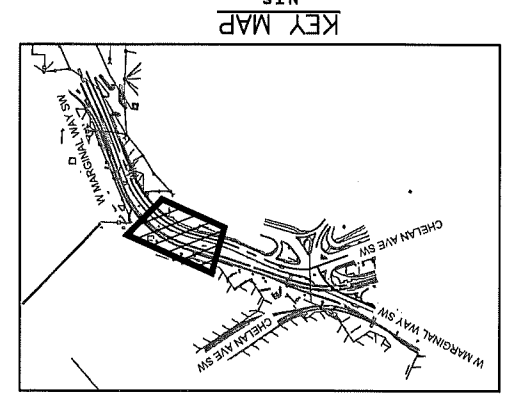
INITIALS AND DATE	DESIGNED KMW 10/14/2019	DESIGNED KMW 10/14/2019	DESIGNED KMW 10/14/2019
REVIEWED:	SPOT	PROJ. MGR.	CONST.
INITIALS AND DATE	RECEIVED 10/14/2019	RECEIVED 10/14/2019	RECEIVED 10/14/2019
REVIEWED AS BUILT			



Seattle Department of Transportation  
ORIGINATOR NO. 2019-090  
SUBPROJECT ID:  
SCALE: 1"=20'

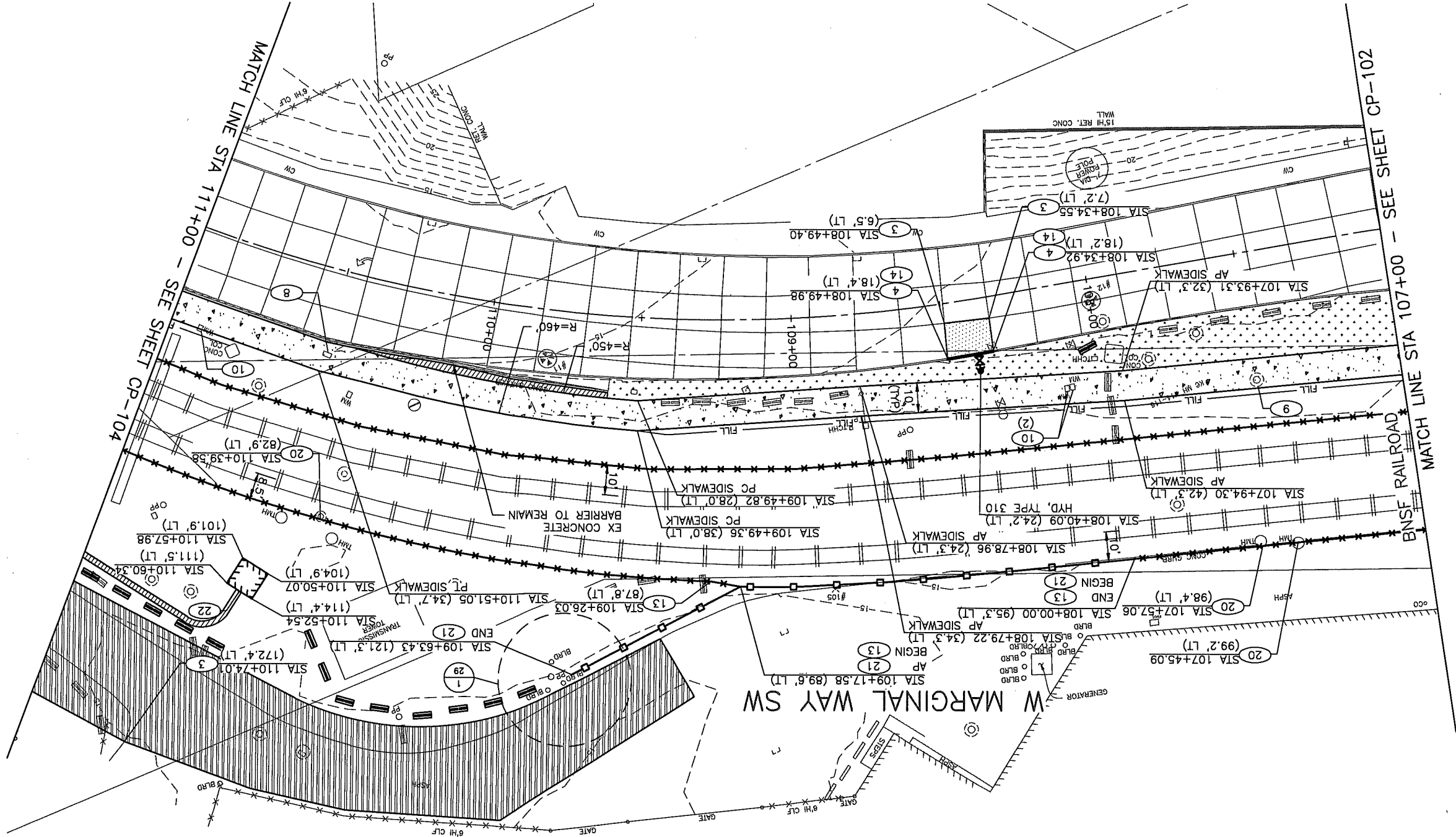
TERMINAL 5 QUIET ZONE IMPROVEMENTS  
CP-103  
VP # 790-955  
SHEET 26 OF 60

**95% SUBMITTAL (NOT FOR CONSTRUCTION)**



- PAVING LEGEND**
- 1 SIDEWALK, CEM CONG W/25% POZZOLANS, SEE STD PLAN 420
  - 2 INSTALL 2" PAVEMENT, HMA CL 1/2" PG 58H-22 OVER ROADWAY CEM CONG, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
  - 3 OVER ROADWAY CEM CONG, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
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  - 6 TYPE 17 MINERAL AGGREGATE, PROPOSED DEPTH TO MATCH REMOVAL DEPTH
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  - 8 CURB AND GUTTER, CEM CONG, TYPE 410B
  - 9 RELOCATED ECOLOGY BLOCK OR JERSEY BARRIER BLOCK, SEE SPEC SECTION 2-02
  - 10 FILL LINE, SEE TYPICAL SECTIONS ON SHEET CP-201
  - 11 CHAIN LINK FENCE TYPE 1, SEE STD PLAN 450A
  - 12 JERSEY BARRIER WITH FENCE FENCE, SEE DETAIL ON SHEET CPD-103

- CONSTRUCTION NOTES**
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  - 17 INSTALL 6' HEIGHT ROLLING GATE PER DETAILS ON SHEETS CPD-103
  - 18 REPLACE EXISTING WATER METER BOX (BY SPU)
  - 19 MONOLITHIC CURB PER STD PLAN 421
  - 20 INSTALL CHAIN LINK GATE TYPE 1, 6 FT WIDE, PER STD PLAN 450C
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  - 23 INSTALL FIXED STEEL BOLLARD PER STD PLAN 465



MATCH LINE STA 107+00 - SEE SHEET CP-102

MATCH LINE STA 111+00 - SEE SHEET CP-104

BNSF RAILROAD

W MARGINAL WAY SW

**PERTEET**  
 505 FIFTH AVENUE, SUITE 300  
 SEATTLE, WA 98104  
 206.436.0515 | 800.615.9900

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INITIALS AND DATE  
 DESIGNED KMW 10/14/2019  
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 DESIGNED KMW 10/14/2019  
 CHECKED MWH 10/14/2019

RECEIVED AS BUILT  
 10/14/2019  
 10/14/2019

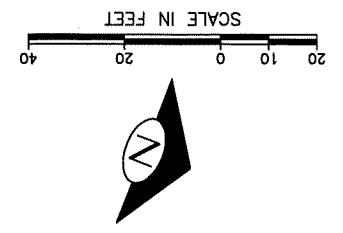
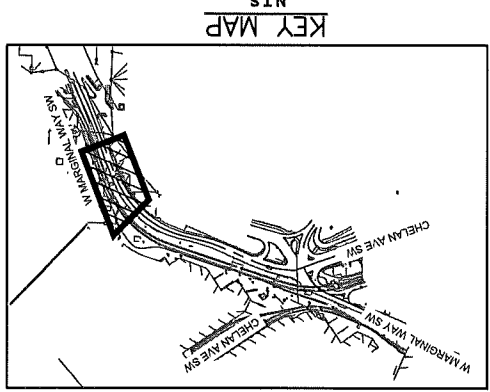
REVISIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-2.3 OF THE PROJECT MANUAL.  
 ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS.



Seattle Department of Transportation  
 PW NO. 2019-090  
 ORIGINANCE NO.  
 SUBPROJECT ID:  
 SCALE: 1"=20'

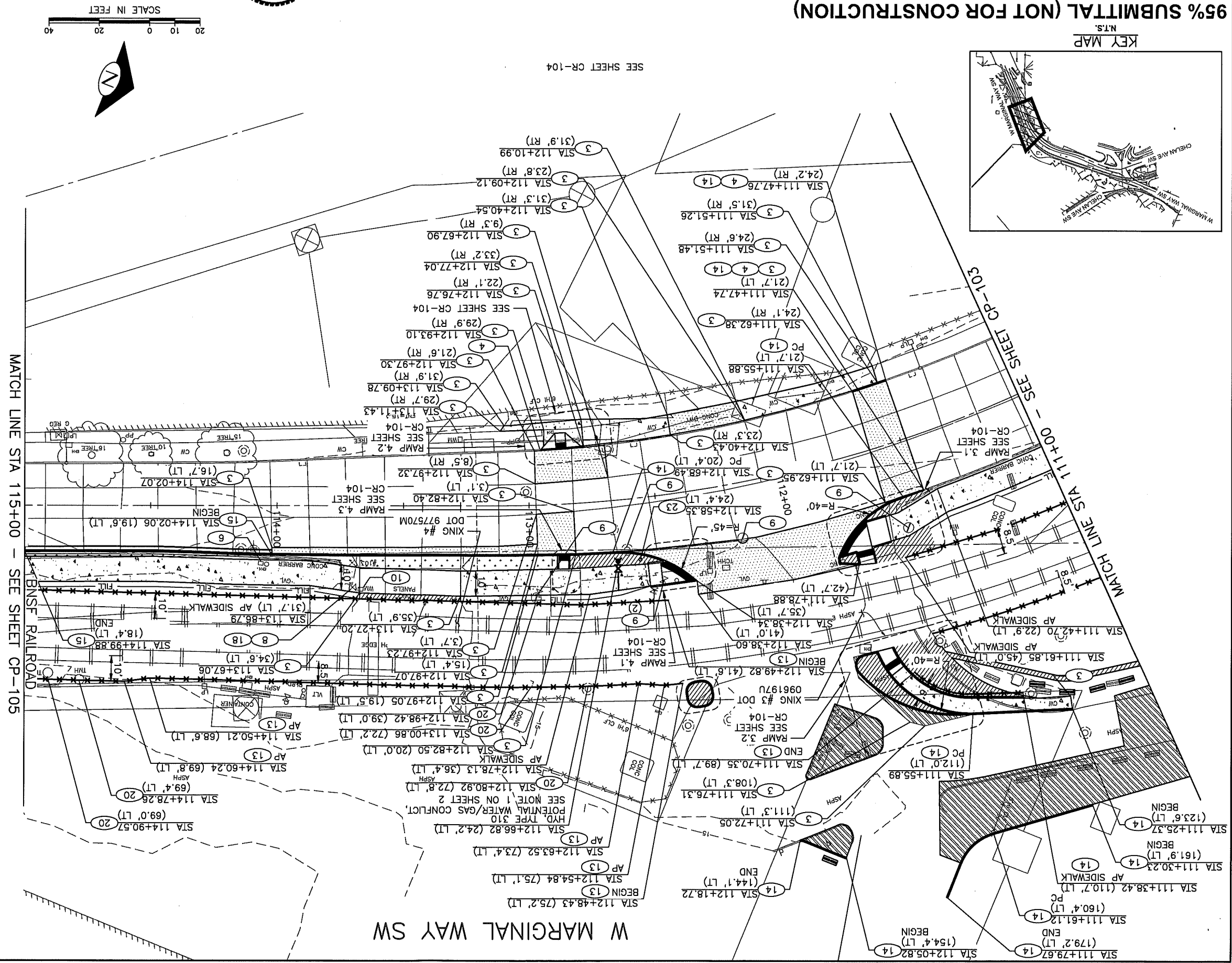
TERMINAL 5 QUIET ZONE IMPROVEMENTS  
 CP-104  
 VPI # 790-955  
 SHEET 27 OF 60  
 PC TRC0500-U1388

**95% SUBMITTAL (NOT FOR CONSTRUCTION)**



- PAVING LEGEND**
- 4 SIDEWALK, CEM CONC W/25% POZZOLANS, SEE STD PLAN 420
  - OVER ROADWAY CEM CONC, VARIABLE MIXES, 12" OVER MNRL AGG TYPE 2, 6" COMPACTED DEPTH
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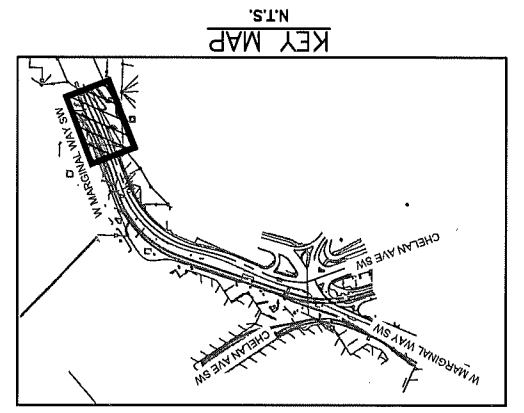


RAILWAY SERIAL NO.	DATE	MARK	NATURE	MADE CHECKED REVD
37826				

DATE	MARK	NATURE	MADE CHECK/REV'D

**PERTEET**  
 505 FIFTH AVENUE, SUITE 300  
 SEATTLE, WA 98104  
 206.436.0515 | 800.615.9900

**95% SUBMITTAL (NOT FOR CONSTRUCTION)**



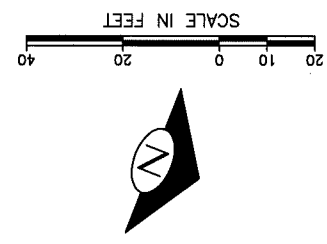
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INITIALS AND DATE	REVIEWED:	INITIALS AND DATE	REVIEWED:
	DES. CONST. PROJ. MGR.		DES. CONST. PROJ. MGR.



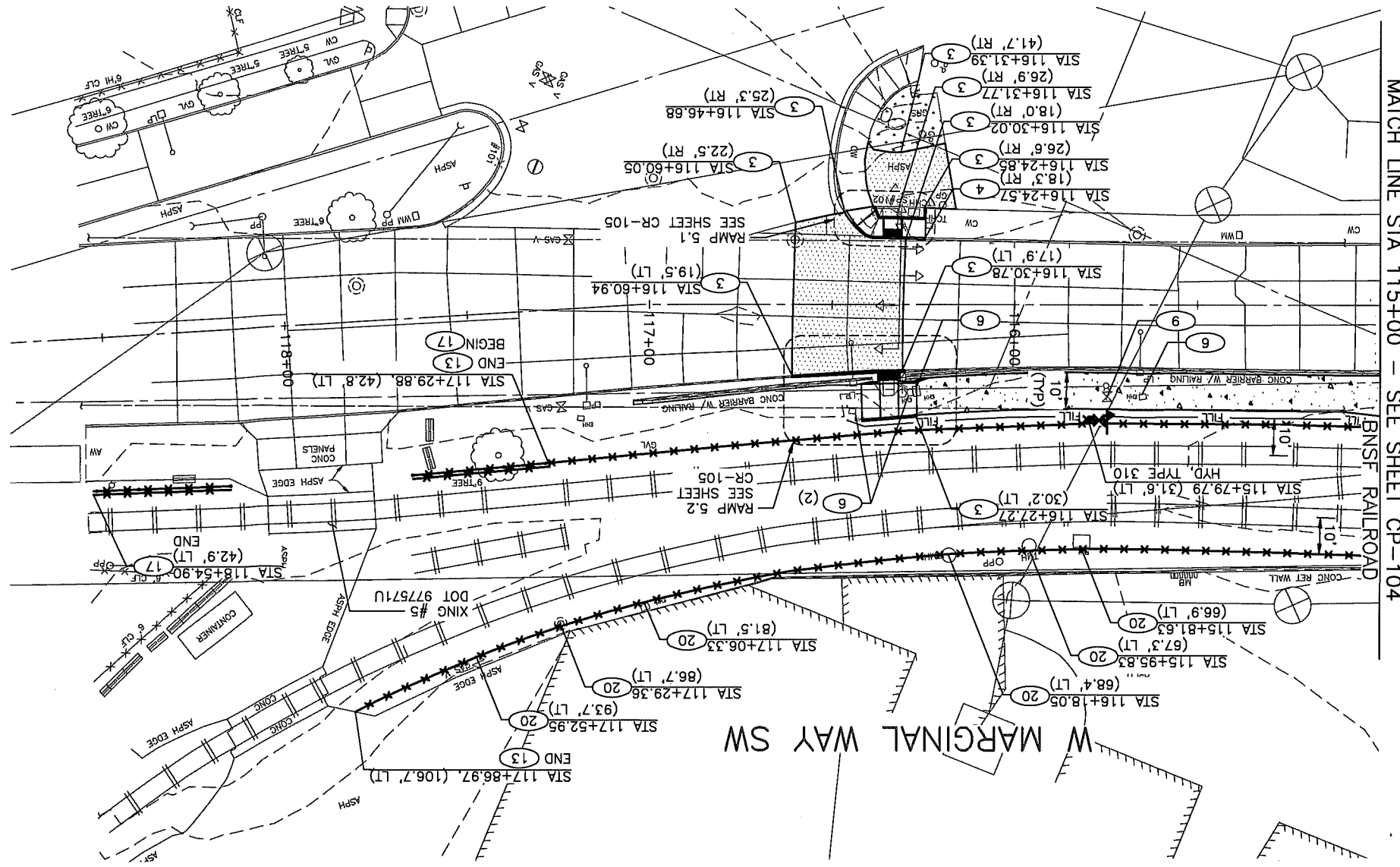
Department of Transportation  
 Seattle  
 ORDNANCE NO.    
 SUPPLEMENT ID:    
 SCALE: 1"=20'  
 PW NO. 2019-090

TERMINAL 5 QUIET ZONE IMPROVEMENTS  
 CP-105  
 SHEET 28 OF 60

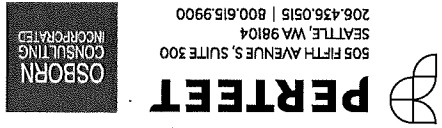


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MATCH LINE STA 115+00 - SEE SHEET CP-104



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INITIALS AND DATE	DESIGNED MM 10/23/20	DES. CONST. PROJ. MGR.
REVIEWED:	CHECKED KK 10/23/20	RECEIVED
INITIALS AND DATE	DRAWN LT 10/23/20	RECEIVED AS BUILT
	CHECKED KK 10/23/20	



Seattle Department of Transportation  
 PW NO. 2019-099  
 SUBPROJECT ID:  
 SCALE: AS NOTED

TERMINAL 5 QUIET ZONE IMPROVEMENTS

95% SUBMITTAL (NOT FOR CONSTRUCTION)

- GATE DETAIL NOTES:
1. FRAME MATERIAL GRADE AS PER WRITTEN SPECIFICATIONS.
  2. SPECIFY POST SIZE & TYPE AT TIME OF ORDER FOR APPROPRIATE HARDWARE.
  3. ALL MATERIAL SHOWN SHALL BE NEW ALUMINUM UNLESS OTHERWISE NOTED.
  4. 2" x 9 GA. GALVANIZED CHAINLINK FABRIC TO COVER THE ENTIRE LENGTH OF GATE. OPTIONAL FILLER MATERIALS AVAILABLE UPON REQUEST.

- NOTES:
1. SEE SITE SURVEY FOR EXISTING CONDITIONS.
  2. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE, LARGER SCALE OVER SMALLER SCALE, ADDENDA AND CLARIFICATIONS OVER PREVIOUS DOCUMENTS.
  3. SEE PAVING PLANS FOR EXIST OF FENCE LAYOUT FOR THIS SCOPE OF WORK. ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS OR OTHER DRAWINGS SHALL BE REPORTED TO THE OWNERS REPRESENTATIVE IMMEDIATELY FOR CLARIFICATION OR ADJUSTMENT.
  4. ESTABLISH A LEVEL AND EVEN GRADES AT THE EXTENT OF A CONTINUOUS GATE OPENINGS. CONTRACTOR TO PERFORM ON-SITE VERIFICATION OF EXISTING GRADES.
  5. GATE CLEARANCES SHALL BE IN ACCORDANCE TO THE FIRE DEPARTMENT CLEARANCE REQUIREMENTS.
  6. GATE HEIGHT SAME AS INDICATED FOR ADJACENT FENCE.
  7. FOR GATE MATERIALS, HARDWARE AND INSTALLATION SEE SPECIFICATION.

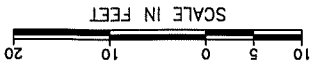
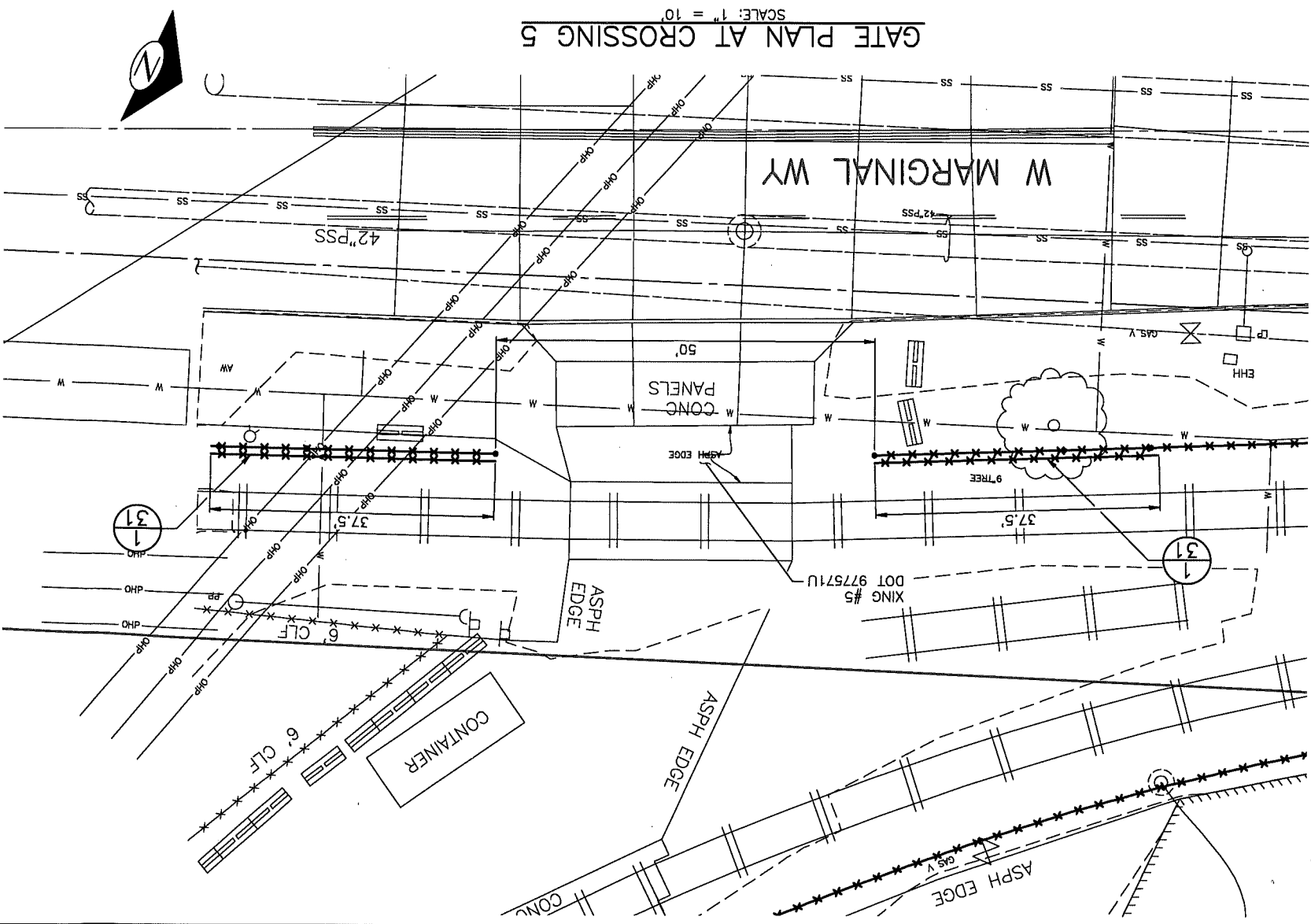


TABLE III: HARDWARE GUIDE

POST	TRUCK BRKT.	U-BOLT	LOWER GUIDE COLLECTOR
274003-E4	274003-E4	274005-UL	274011-UL
4" ROUND	4" SQUARE	274005-UL	274011-UL
274003-E4	274003-E4	274005-UL	274011-UL
4" SQUARE	4" SQUARE	274005-UL	274011-UL
274003-E6	274003-E6	274005-UL	274011-UL
6" SQUARE	6" ROUND	274005-UL	274011-UL
274003-E6	274003-E6	274005-UL	274011-UL
6" SQUARE	6" ROUND	274005-UL	274011-UL

TABLE IV: CABLE TRUSSING

GATE OPENING SIZE	TURNBUCKLE WIRE SIZE
<30"	3/8" x 6"
>30"	1/2" x 6"
	1/4"

GATE DETAIL 1

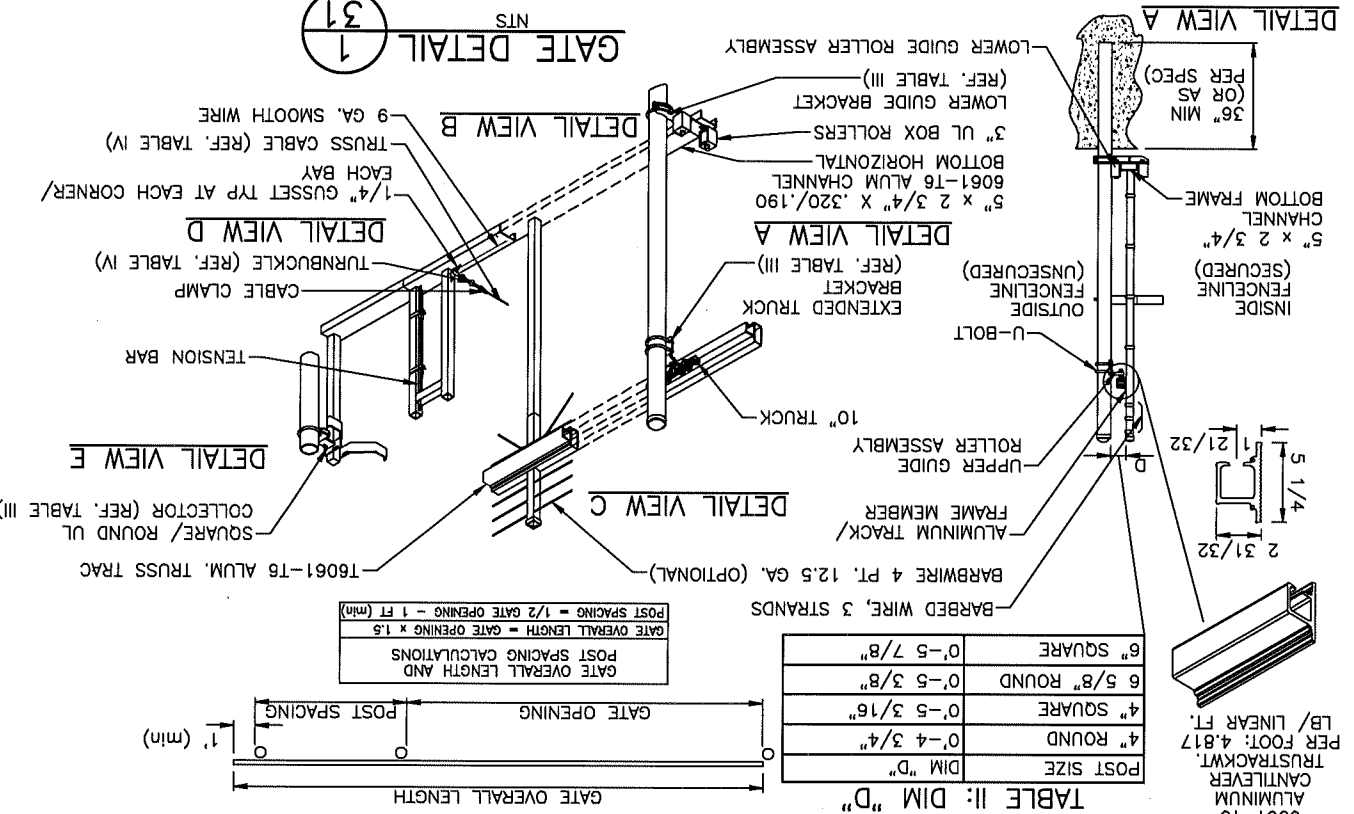
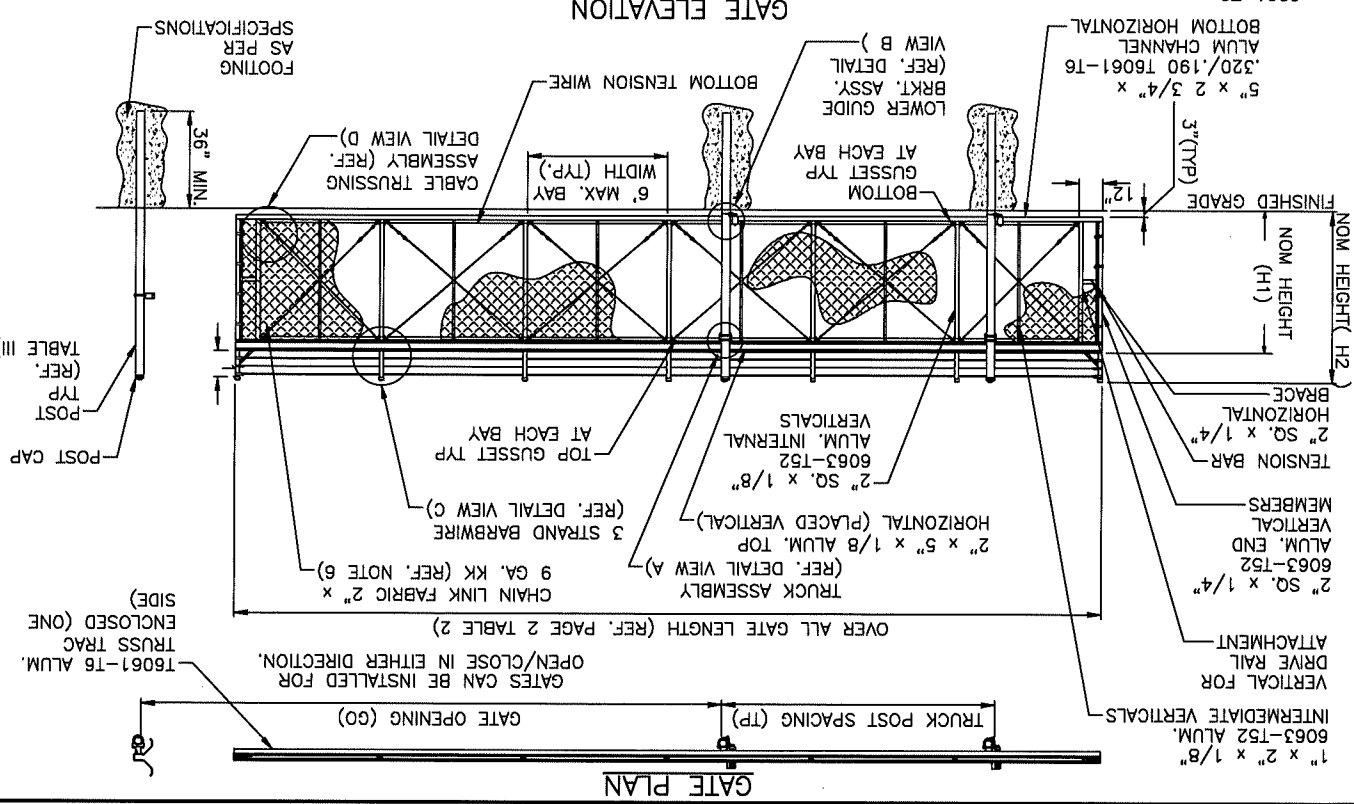
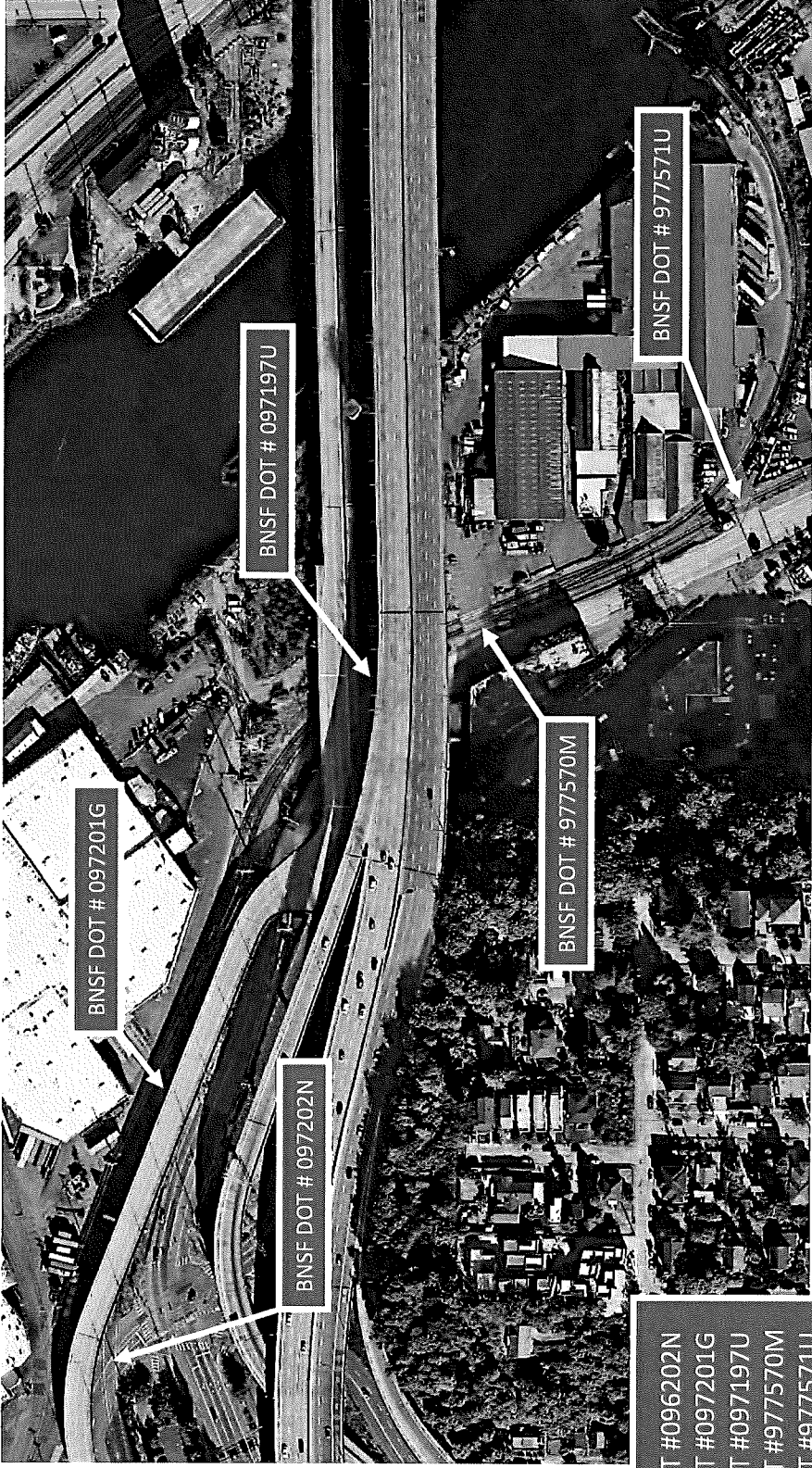


TABLE II: DIM "D"

POST SIZE	DIM "D"	LB / LINEAR FT.
4" ROUND	0'-4 3/4"	4.81
4" SQUARE	0'-5 3/16"	
6 5/8" ROUND	0'-5 3/8"	
6" SQUARE	0'-5 7/8"	



GATE PLAN



- Xing 1 – DOT #096202N
- Xing 2 – DOT #097201G
- Xing 3 – DOT #097197U
- Xing 4 – DOT #977570M
- Xing 5 – DOT #977571U