

WESTERLY OF A LINE DESCRIBED AS BEGINNING AT THE NORTHWEST CORNER OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 35 HEREINAFTER CALLED "POINT A"-THENCE SOUTH ALONG THE 1/16TH LINE 95.4 FEET TO THE TRUE POINT OF BEGINNING OF THE LINE TO BE DESCRIBED; THENCE EAST 258.35 FEET;

THENCE SOUTH TO A POINT 495.4 FEET SOUTH OF AND 258.35 FEET FAST OF "POINT A". THENCE EAST TO THE EAST LINE OF SAID PREMISES AND THE TERMINUS OF SAID LINE, SAID POINT ALSO BEING DESCRIBED AS THE SOUTHWEST CORNER OF LOT 3 OF BOUNDARY LINE ADJUSTMENT

RECORDED UNDER AUDITOR'S FILE NO. 200303315001 SITUATE IN THE CITY PUYALLUP, COUNTY OF PIERCE STATE OF

TAX PARCEL NO. 0420264053: PER CW TITLE TITLE RESOURCES BUARANTY COMPANY SUBDIVISION GUARANTEE ORDER NO. 40249901-T35 DATED JANUARY 22, 2021 AT 8:00 A.M.

THAT PORTION OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 35. AND THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 26, TOWNSHIP 20 NORTH, RANGE 4 EAST, WM.M., IN PIERCE COUNTY, WASHINGTON, DESCRIBED AS COMMENCING AT THE NORTHEAST CORNER OF THE WEST HALF OF

THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 35 WHICH POINT BEARS NORTH 88°32'51" WEST, 640.11 FEET

THENCE ALONG THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 2, NORTH 01°06'30" EAST, 789.89 FEET TO THE SOUTHERLY MARGIN OF PIONEER WAY: THENCE ALONG SAID SOUTHERLY MARGIN, SOUTH 74°08'09" EAST,

WHICH POINT BEARS NORTH 88°32'51" WEST, 640.11 FEET FROM A

WEST. 54.00 FEET THENCE ALONG A LINE PARALLEL WITH THE NORTH LINE OF SAID SECTION 35, NORTH 88°32'51" WEST, 142.38 FEET; THENCE NORTH 01°06'30" EAST, 282.08 FEET TO THE SOUTHERLY MARGIN OF PIONEER WAY

200303315001 SITUATE IN THE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF

TAX PARCEL NO. 0420351066: PER CW TITLE TITLE RESOURCES GUARANTY COMPANY SUBDIVISION GUARANTEE ORDER NO.

DATED JANUARY 22, 2021 AT 8:00 A.M. COMMENCING AT THE NORTHEAST CORNER OF THE WEST HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 35 WHICH POINT BEARS NORTH 88°32'51" WEST, 640.11 FEET FROM A BRASS IN CONCRETE MONUMENT MARKING THE NORTHEAST CORNER OF SAID SECTION 35: THENCE ALONG THE EAST LINE OF SAID WEST HALF, SOUTH 01°15'04"

THE NORTH LINE OF LOT 2 OF THE PIERCE COUNTY SHORT PLAT NO. 9303010321 AND THE TRUE POINT OF REGINNING THENCE ALONG SAID NORTH LINE, NORTH 88°53'30" WEST, 405.26 TO THE NORTHEAST CORNER OF SAID LOT 2; THENCE ALONG THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 2 NORTH 01°06'30" FAST 145 00 FEFT THENCE SOUTH 88°53'30" EAST 405.62 FEET TO THE EAST LINE OF THE WEST HALF OF THE NORTHEAST QUARTER OF THE NORTHEAST

THENCE NORTH 100 FEET TO THE TRUE POINT OF BEGINNING, IN

PIERCE COUNTY, WASHINGTON. EXCEPT SHAW COUNTY ROAD. SITUATE IN THE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON

TAX PARCEL NO. 0420351029: PER CW TITLE TITLE RESOURCES GUARANTY COMPANY SUBDIVISION GUARANTEE ORDER NO. 40249905-1-F

DATED JANUARY 22, 2021 AT 8:00 A.M. BEGINNING AT THE 1/16 SECTION CORNER, 1321.48 FEET WEST OF CORNER MONUMENT COMMON TO SECTIONS 25, 26, 35 AND 36 IN TOWNSHIP 20 NORTH, RANGE 4 EAST. WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON;

THENCE SOUTH ALONG THE 1/16 SECTION LINE 195.4 FEET TO THE TRUE POINT OF THENCE SOUTH 100 FEET: THENCE WEST 258.26 FEET THENCE NORTH 100 FEET TO TRUE POINT OF BEGINNING.

TAX PARCEL NO. 0420351026: PER CW TITLE TITLE RESOURCES

SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON.

EXCEPT THE WEST 30 FEET THEREOF FOR ROAD.

THENCE SOUTH 100 FEET

THENCE WEST 258.35 FEET

DATED JANUARY 22, 2021 AT 8:00 A.M. BEGINNING AT THE 1/16 CORNER 1321.48 FEET WEST OF THE CORNER MONUMENT COMMON TO SECTIONS 25, 26, 35 AND 36 IN TOWNSHIP 20 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN, IN PIERCE COUNTY, WASHINGTON; THENCE SOUTH ALONG THE 1/16 SECTION LINE 294.5 FEET TO THE TRUE POINT OF BEGINNING; THENCE EAST 258.35 FEET

THENCE NORTH 100 FEET TO THE TRUE POINT OF BEGINNING, IN PIERCE COUNTY, WASHINGTON.

SURVEYOR

EMAIL: TSAWIN@AHBL.COM

202 E 34TH ST

Sheet Number | Sheet Title

R2.2

R2.3

R3.0

R3.2

COVER SHEET

DRIVEWAY DETAIL

DRIVEWAY DETAIL

TESC DETAILS AND NOTES

STORM DETAILS AND NOTES

STORM DETAILS AND NOTES

CHANNELIZATION DETAILS

CHANNELIZATION DETAILS

PAVING NOTES AND DETAILS

SHAW ROAD CROSS-SECTIONS

PIONEER WAY CROSS-SECTIONS

ADA DETAILS AND NOTES

GRAPHIC SCALE

1" = 100 FEET

CONTACT: BRETT LINDSAY 523 N. D. ST TACOMA, WA 98404 **TACOMA, WA 98403**

OFFICE: 253-414-1992 OFFICE: 253-468-4117 **CIVIL ENGINEER**

2215 NORTH 30TH STREET, SUITE 300 PHONE: (253) 383-2422 CONTACT: TODD SAWIN

SHAW ROAD E TESC AND DEMOLITION PLAN

SHAW ROAD E TESC AND DEMOLITION PLAN

SHAW ROAD E IMPROVEMENTS - STA. 9+00 - 12+80

SHAW ROAD E IMPROVEMENTS - STA. 12+80-17+25

SHAW RD ENTERING SITE DISTANCE DIAGRAM

PIONEER WAY E TESC AND DEMOLITION PLAN

PIONEER WAY E TESC AND DEMOLITION PLAN

PIONEER WAY E TESC AND DEMOLITION PLAN

PIONEER WAY E IMPROVEMENTS STA. 43+50 - 48+00

PIONEER WAY E IMPROVEMENTS STA. 48+00 - 52+00

PIONEER ENTERING SIGHT DISTANCE DIAGRAM

PIONEER WAY E CHANNELIZATION PLAN

PARCEL: 0420264021, 0420264054, 0420264053, 0420351066, 0420351030, 0420351029, 0420351026 ADDRESS: 2902 E PIONEER PUYALLUP, WA 98372 ZONING: CG AND RM-20

FLOOD PLAIN NOTE

TS-06

THE FLOOD PLAIN INFORMATION SHOWN IN THE PLAN SET IS BASED ON THE REVISED PANEL 342 OF 1375 OF MAP 53053C0342E THAT WAS PART OF THE 09/08/22 LOMR. THE FLOOD ZONES AND BFE's SHOWN IN THE PLAN SET ARE DRAWN FROM A COMBINATION OF THE PDF MAP PANEL AND GIS DATA. THE INFORMATION SHOWN IN THE REVISED PANEL IS BASED ON AN ASSUMED RELOCATED STREAM LOCATION. ACTUAL FLOOD ZONE AND BFE's WILL BE BASED FINAL LOCATION AND ELEVATION OF

SITE INFORMATION

added signage and pavement markings along shaw, as well as provided bus stop, refer to PM plans for additional info on improvements and top left **Sheet List Table**

LANDSCAPE PLAN IR7.1 LANDSCAPE NOTES STREET LIGHTING PHOTOMETRIC STUDY STREET LIGHTING PLAN STREETLIGHT LUMINIARE SCHEDULE, LOAD, & ONE-LINE DIAGRAM STREET LIGHTING - DETAILS STREET LIGHTING - DETAILS STREET LIGHTING - DETAILS STREET LIGHTING - DETAILS PAVEMENT MARKING & SIGNING PLANS - PHASE 1 PM-01 PAVEMENT MARKING & SIGNING PLANS - PHASE 1 PAVEMENT MARKING & SIGNING STANDARD PM-03 DETAILS - PHASE 1 PAVEMENT MARKING & SIGNING STANDARD **DETAILS - PHASE 1** TRAFFIC SIGNAL PLANS - PHASE TRAFFIC SIGNAL WIRE SCHEDULE - PHASE TRAFFIC SIGNAL WIRING DIAGRAM - PHASE TRAFFIC SIGNAL POLE SCHEDULE - PHASE 1 TRAFFIC SIGNAL PLANS - PHASE 1

> Add the following City Standard Notes -General (See CS 2.4) Grading, Erosion, and Sedimentation (See CS 505) -Roadway (See CS 104) Stormwater (See CS 207) [Plans; Sht R0.0 of 44]

TRAFFIC SIGNAL STANDARD DETAILS - PHASE 1

FLASHING BEACON STANDARD DETAILS - PHASE 1

SURVEYOR'S

NOTES 1. <u>HORIZONTAL DATUM:</u> BASIS OF BEARING AND SURVEY DATA PER WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH

2. BASIS OF BEARING: HELD S 01° 21' 28" W OBSERVED ALONG THE EAST LINE OF THE NORTHEAST QUARTER OF SEC. 35, 1 20 N. R. 4 E. BETWEEN THE NORTHEAST CORNER OF THE NORTHEAST QUARTER MONUMENT AND THE SOUTHEAST CORNER OF THE NORTHEAST QUARTER MONUMENT OF THE SAID SECTION AS

SHOWN HEREON. AS DEFINED BY THE NATIONAL GEODETIC SURVEY (NGS) PROJECT BENCHMARK

PUBLISHED ELEVATION: 75.70 FEET (NAVD DESCRIPTION: ENCASED STEEL ROD LOCATED IN EASTERLY GRAVEL

PID: DL2774

THE PROPERTY

6. METHOD OF SURVEYING WAS 1. CONVENTIONAL TRAVERSE USING A TOPCON 800A TOTAL STATION. 2 MONUMENTS FOUND MARCH 2008

SHOULDER AT THE INTERSECTION OF PIONEER WAY AND 134TH AVE. E.

4. ALL UTILITY LOCATES HAVE BEEN DETERMINED BY SURFACE LOCATION ONLY EITHER BY PHYSICAL STRUCTURES OR PAINT MARKINGS AS DETERMINED BY UNDERGROUND + UTILITY LOCATE, INC. AND/OR UTILITY COMPANY. GAS PIPE LOCATION WITH IN DETERMINED BY MAP PROVIDE BY PUGET SOUND ENERGY, INC. ACTUAL UNDERGROUND LOCATION MAY VARY. EXISTING UTILITIES AS SHOWN MAY NOT BE THE SAME AFTER THIS DATE AS MAJOR CONSTRUCTION IS

5. REFERENCE SURVEYS: 1. 200303315001 2. SP 9303315001 3. ROS 8210040207

IN PROGRESS.

R0.1, due to how ong they are 410 undent Golf & Country Jun Club 80th St

VICINITY MAP

2902 E PIONEER WAY

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVA

AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE

<u>Project Title:</u>

APPROVED

CITY OF PUYALLUP

DEVELOPMENT ENGINEERING

THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS

DETERMINED BY THE

MANAGER.

CHANGES TO THESE PLANS AS

DEVELOPMENT ENGINEERING

2nd Review

Jan 2025

notes to a new sheet

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

2215 North 30th Street, Suite 300, Tacoma, WA 98403

253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

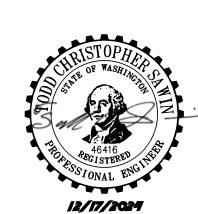
Project No.

2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024



ALTERATION OF THIS DOCUMENT SHALL INVALIDATE THE PROFESSIONAL SEAL AND SIGNATURE PUBLICATION OF THIS DOCUMENT DOES NOT DEROGATE FROM RESERVED OWNERSHIP RIGHTS IN IT. THIS DOCUMENT IS FOR USE ONLY FOR THE PROJECT IDENTHED IN THE TITLE BLOCK AND IS NOT TO BE USED FOR REPAIR, REMODEL OR ADDITION TO THAT PROJECT OR FOR ANY OTHER PROJECT

Revisions:

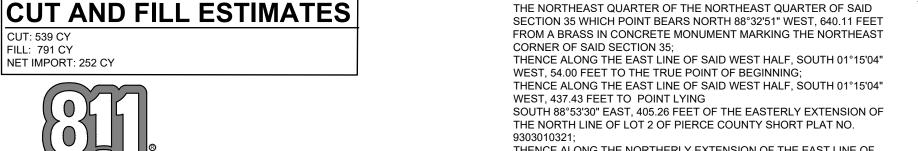
Sheet Title:

COVER SHEET

<u>Drawn by:</u>

Sheet No.

1 of 44 Sheets



VERIFICATION NOTE

TRENCH NOTES

FILL: 791 CY

Know what's below.

Call before you dig

ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE IDENTIFIED AND

VERIFIED FOR DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITIES

SO TO IDENTIFY ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRICTION.

RIOR TO ANY CONSTRUCTION ACTIVITIES, VERIFY EXISTING TOPOGRAPHY IS

POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION ACTIVITIES. CONTACT

CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE

CONSISTENT WITH WHAT IS SHOWN ON PLANS AND IF THERE ARE ANY

PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN

EPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09

FOR WORKER SAFETY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS

.3(3)8, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR IS ALONE RESPONSIBLE

OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

272.98 FEET TO A LINE LYING 263.84 FEET EAST OF AND PARALLEL THE NORTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 2; THENCE ALONG SAID PARALLEL LINE, SOUTH 01°06'30" WEST, 282.06 BRASS IN CONCRETE MONUMENT MARKING THE NORTHEAST CORNER

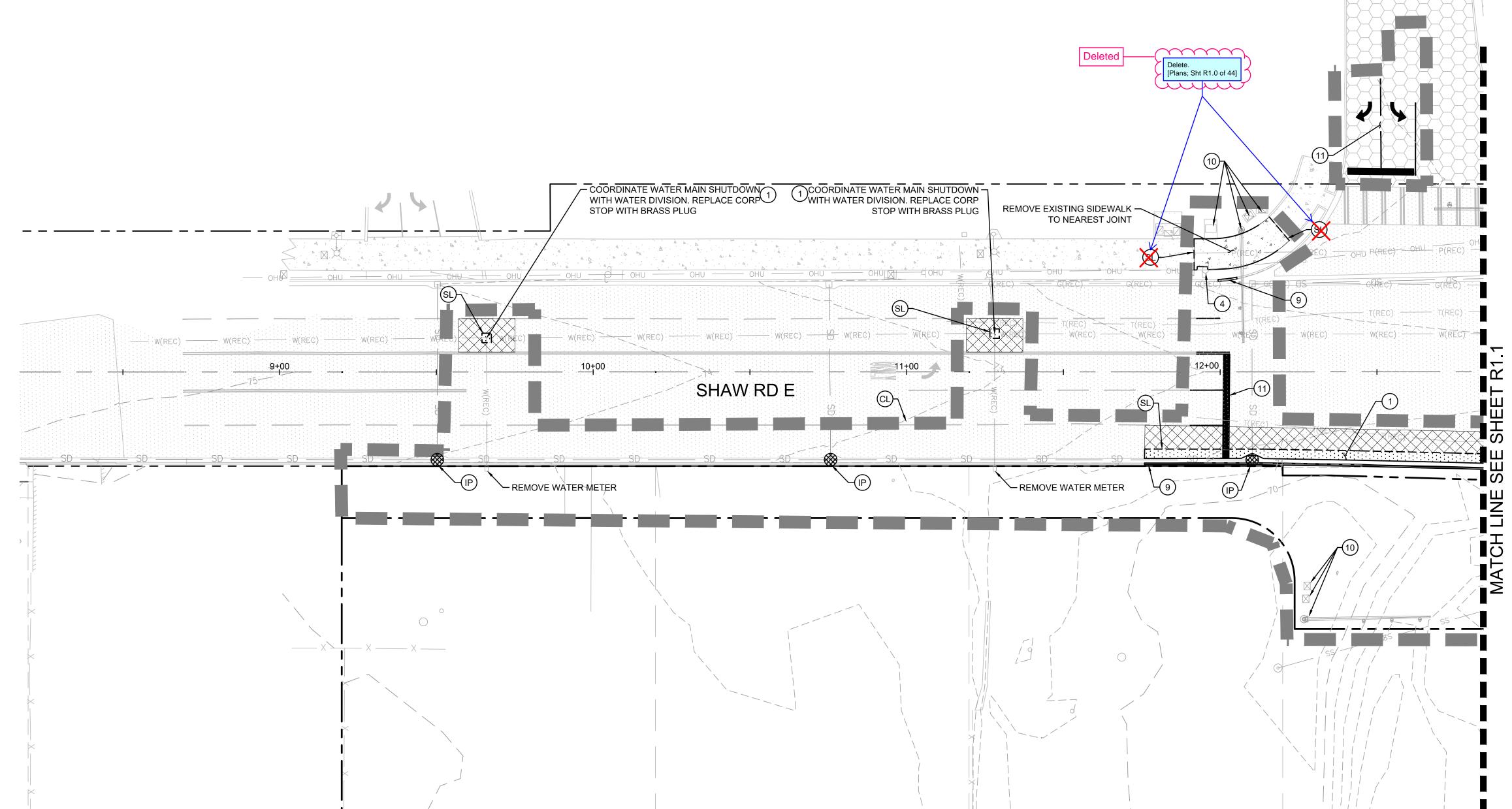
SAID SECTION 35 THENCE ALONG THE EAST LINE OF SAID WEST HALF, SOUTH 01°15'04"

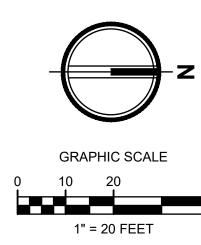
THENCE ALONG SAID SOUTHERLY MARGIN, SOUTH 74°08'09" EAST, 179.36 FEET TO A LINE LYING 30.48 FEET EAST OF AND PARALLEL WITH EAST LINE OF THE WEST HALF OF THE NORTH EAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 35: THENCE ALONG SAID PARALLEL LINE, SOUTH 01°15'04" WEST, 183.43 FEET TO THE NORTH LINE OF SAID SECTION 35: THENCE ALONG SAID NORTH LINE. NORTH 88°32'51" WEST. 30.48 FEET TO THE POINT OF BEGINNING; (ALSO KNOWN AS LOT 5 OF RECORD OF SURVEY FOR BOUNDARY LINE ADJUSTMENT RECORDED MARCH 31, 2003 UNDER RECORDING NO.

WEST, 491.43 FEET TO A POINT LYING SOUTH 88°53'30" EAST, 405.26 FEET TO THE EASTERLY EXTENSION OF

EXCEPT SHAW COUNTY ROAD. SITUATE IN THE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF

EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.





CITY OF PUYALLUP DEVELOPMENT ENGINEERING

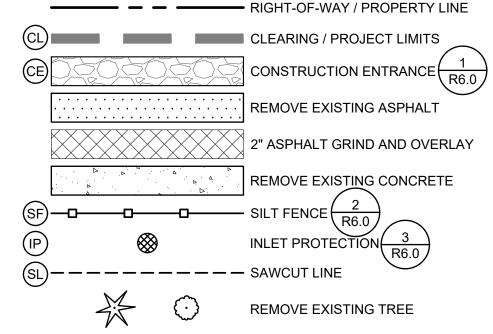
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

APPROVED

THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE

DEVELOPMENT ENGINEERING

LEGEND



NOTES

1. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND

EXISTING TREE TO REMAIN

- 4. EXISTING PRIVATE UTILITIES THAT ARE IN CONFLICT WITH CITY MAINTAINED RIGHT-OF-WAY AND UTILITIES SHALL BE RELOCATED OUTSIDE OF TRAVELED ROAD SECTION (BEHIND CURB SIDEWALK AREA OR OTHER LOCATION AS APPROVED BY THE CITY).

KEYNOTES

- (1) REMOVE EXISTING ASPHALT PAVEMENT.
- 2 PROTECT EXISTING SIGN TO REMAIN
- 3 NOT USED
- 4) PROTECT EXISTING POWER POLE
- 5 SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
- 6 REMOVE AND RELOCATE SIGN SEE SHEETS R2.0 R2.1 FOR LOCATION
- 7 NOT USED
- 8 NOT USED
- 9 REMOVE EXISTING CONCRETE CURB
- 10) PROTECT EXISTING UTILITY
- REMOVE PAVEMENT MARKING PER WSDOT STANDARD SPEC 8-22.3(6). GRIND TO A DEPTH JUST ABOVE THE PAVEMENT (11) SURFACE AND THEN WATER BLASTING OR SHOT BLASTING SHALL BE REQUIRED TO REMOVE THE REMAINING PAVEMENT



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

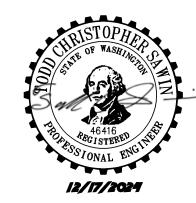
<u>Project No.</u>

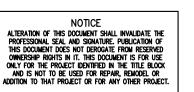
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title:

SHAW ROAD E TESC AND DEMOLITION

PLAN

Designed by: Drawn by: Checked by:

SK / ZP

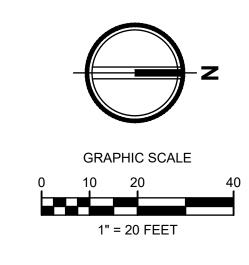
Sheet No.

2 of 44 Sheets



EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



LEGEND

NOTES

APPROVED

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

DEVELOPMENT ENGINEERING

DETERMINED BY THE

REMOVE EXISTING ASPHALT

REMOVE EXISTING CONCRETE

REMOVE EXISTING TREE

EXISTING TREE TO REMAIN

2" ASPHALT GRIND AND OVERLAY

2215 North 30th Street, Suite 300, Tacoma, WA 98403

Project Title:

EAST TOWN CROSSING FRONTAGE

253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

ASH DEVELOPMENT

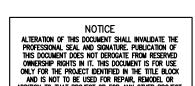
GREG HELLE

GREG.HELLE@ASHNW.COM

2230752

Issue Set & Date:



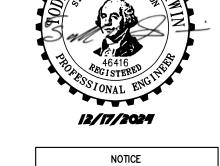


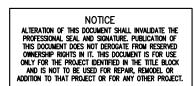
IMPROVEMENTS

<u>Project No.</u>

PERMIT SUBMITTAL

12/16/2024





Revisions:

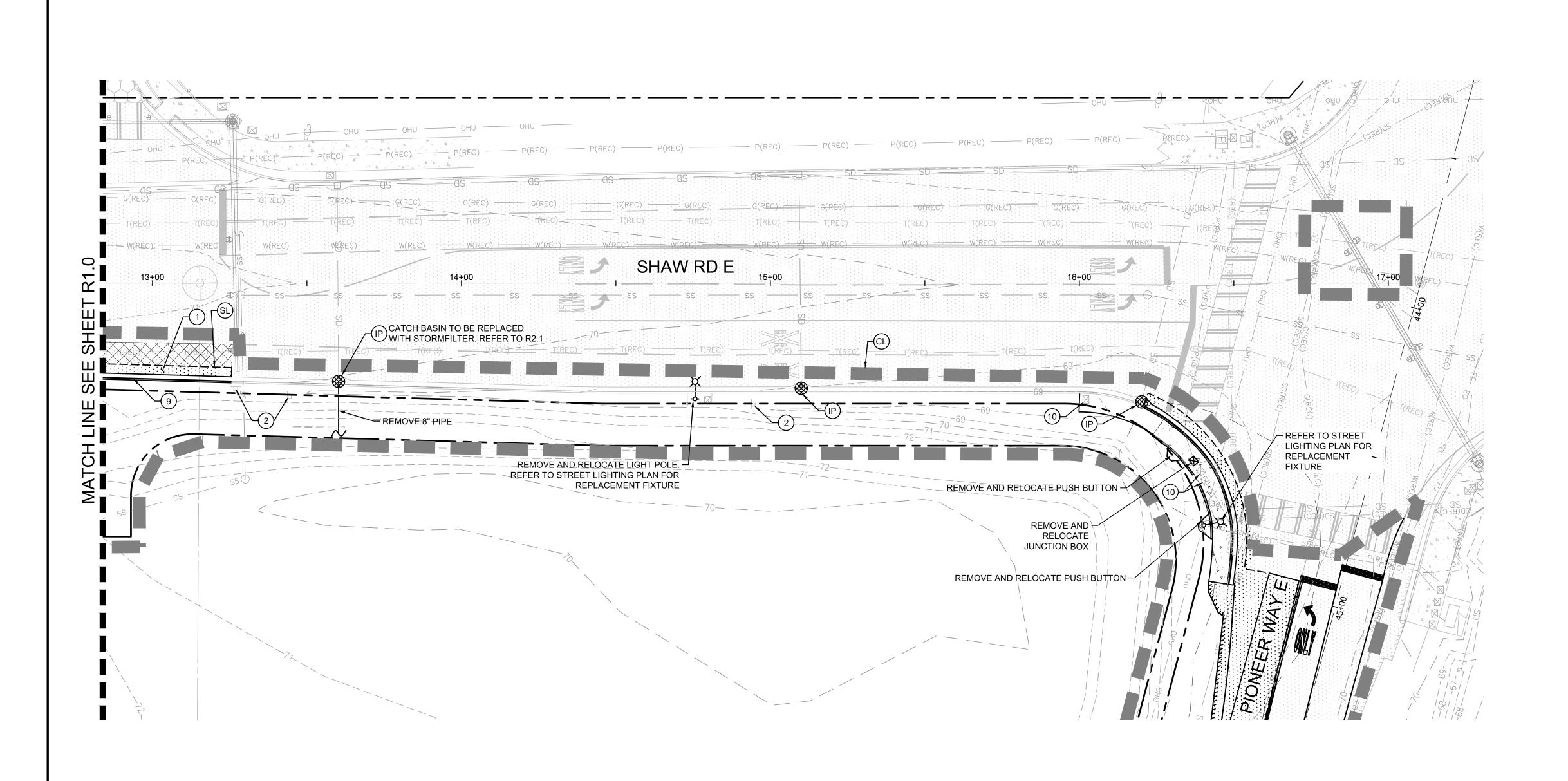
Sheet Title:

SHAW ROAD E TESC AND DEMOLITION **PLAN**

Sheet No.

Designed by: Drawn by: Checked by: SK / ZP

3 of 44 Sheets



KEYNOTES

1) REMOVE EXISTING ASPHALT PAVEMENT.

2 PROTECT EXISTING SIGN TO REMAIN

(3) NOT USED

4 PROTECT EXISTING POWER POLE

5 SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.

6 REMOVE AND RELOCATE SIGN SEE SHEETS R2.0 - R2.1 FOR LOCATION

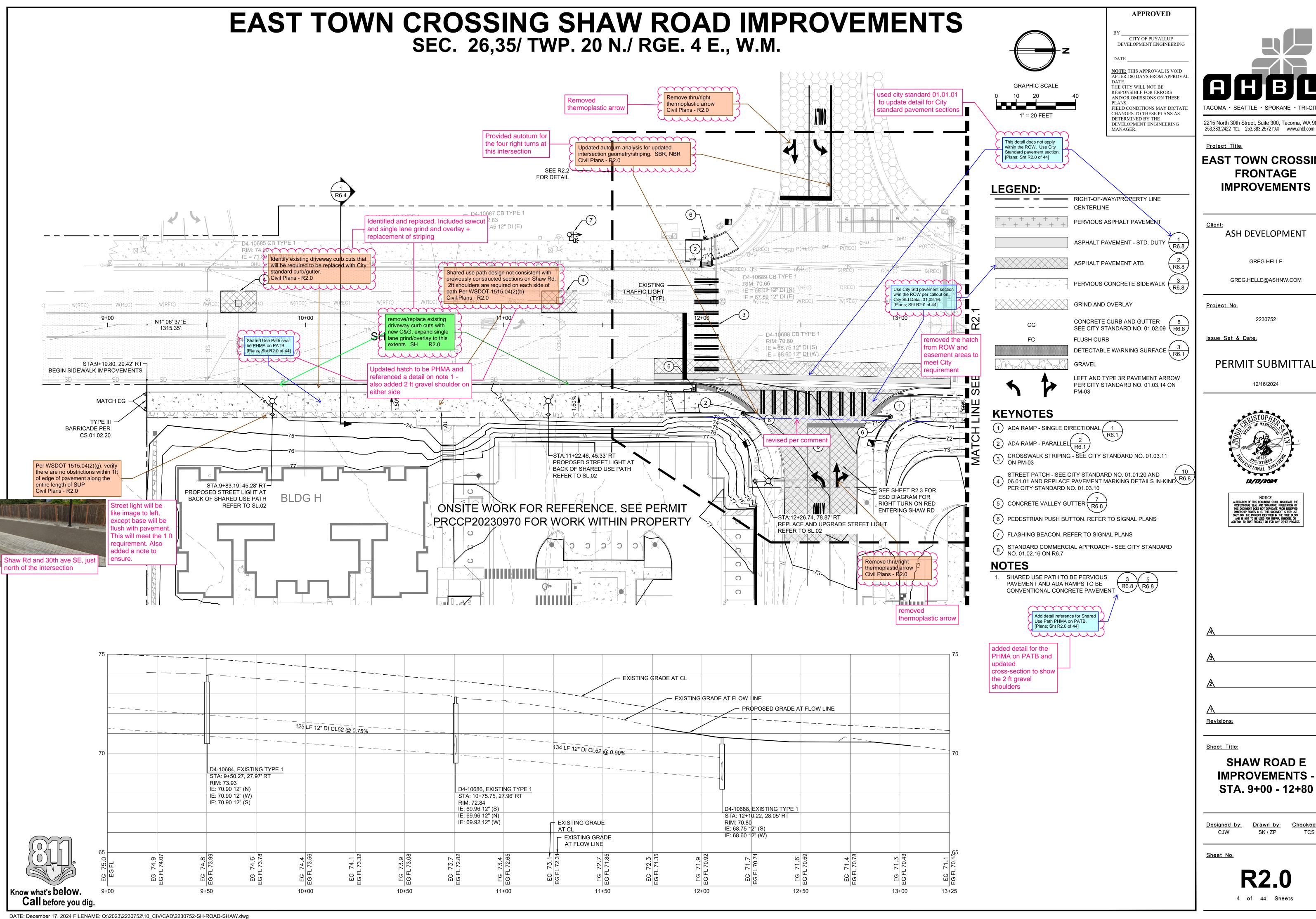
7 NOT USED

8 NOT USED

9 REMOVE EXISTING CONCRETE CURB

(10) PROTECT EXISTING UTILITY

REMOVE PAVEMENT MARKING PER WSDOT STANDARD SPEC 8-22.3(6). GRIND TO A DEPTH JUST ABOVE THE PAVEMENT (11) SURFÀCE AND THEN WATER BLASTING OR SHOT BLASTING SHALL BE REQUIRED TO REMOVE THE REMAINING PAVEMENT



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

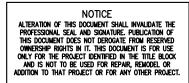
EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

GREG.HELLE@ASHNW.COM

2230752

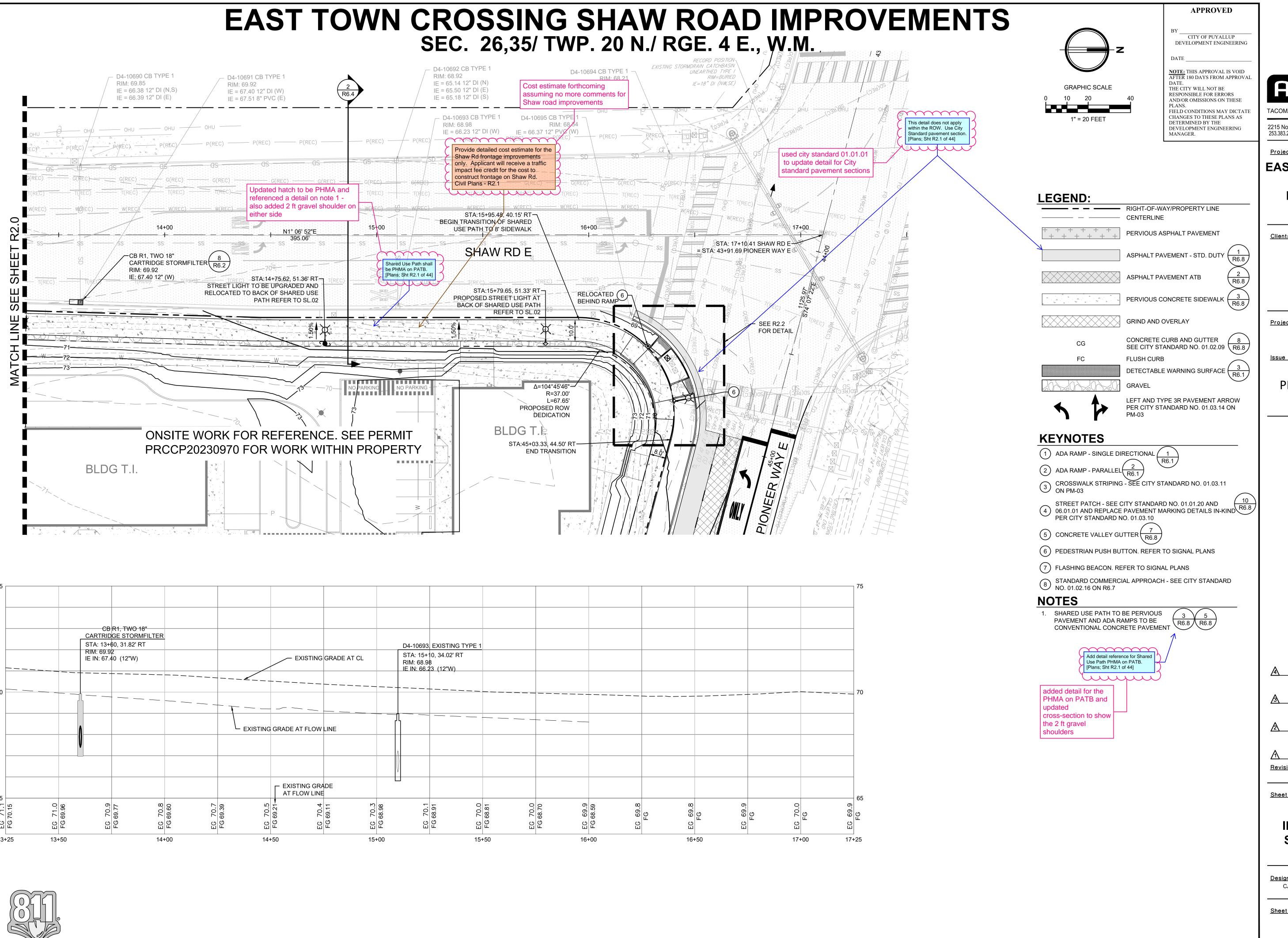
PERMIT SUBMITTAL





SHAW ROAD E IMPROVEMENTS -

Designed by: Drawn by: Checked by: SK / ZP



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

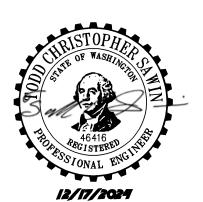
Project No.

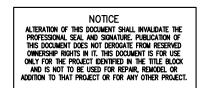
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title:

SHAW ROAD E IMPROVEMENTS -STA. 12+80-17+25

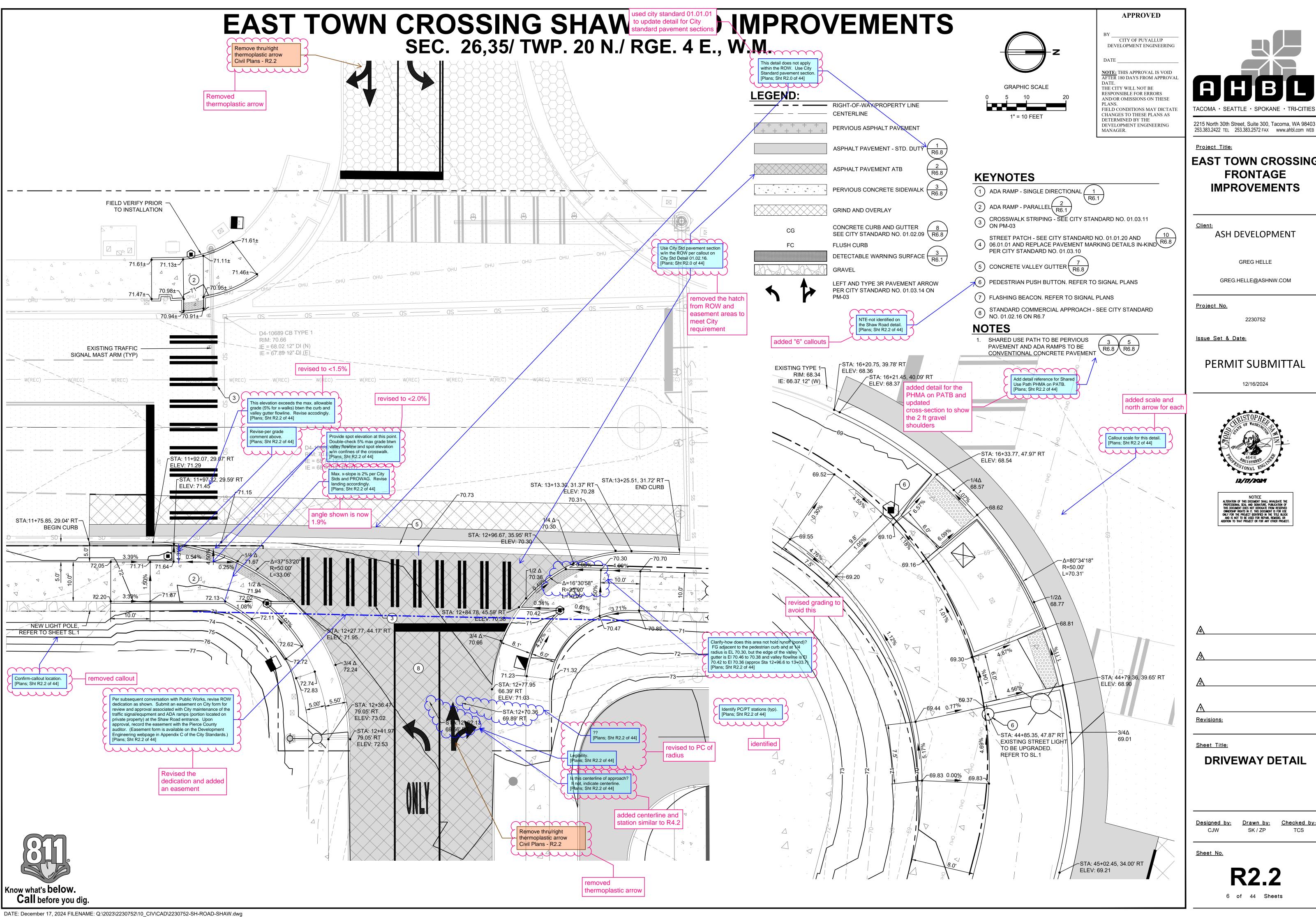
Designed by: Drawn by: Checked by: SK / ZP

Sheet No.

5 of 44 Sheets

Know what's below.

Call before you dig.



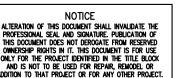
EAST TOWN CROSSING FRONTAGE

ASH DEVELOPMENT

GREG.HELLE@ASHNW.COM

PERMIT SUBMITTAL





Drawn by: Checked by:

EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

APPROVED

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS

AND/OR OMISSIONS ON THESE

FIELD CONDITIONS MAY DICTATE 2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.

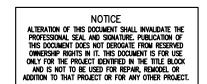
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





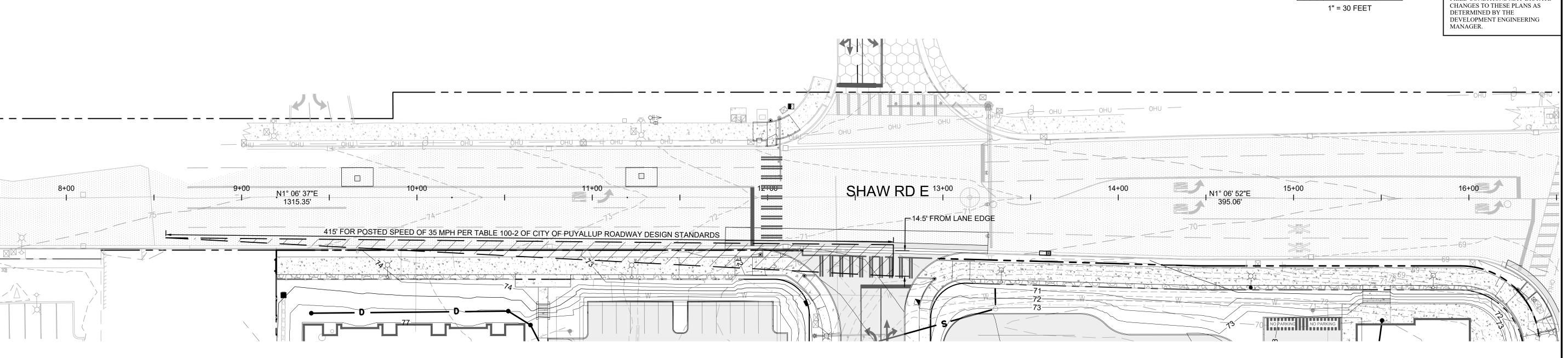
Revisions:

Sheet Title:

SHAW RD ENTERING SITE DISTANCE **DIAGRAM**

Sheet No.

7 of 44 Sheets

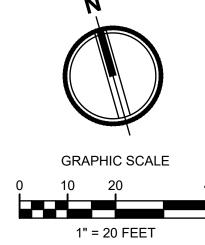




EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

REMOVE EX (11)



CITY OF PUYALLUP

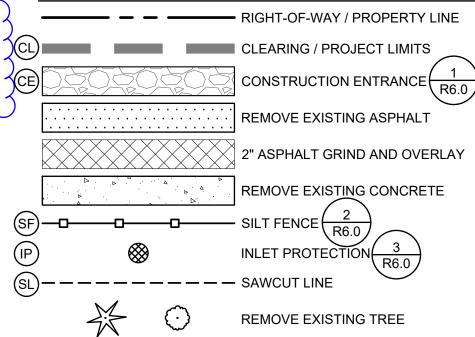
DEVELOPMENT ENGINEERING

APPROVED

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVA THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

DETERMINED BY THE

2215 North 30th Street, Suite 300, Tacoma, WA 98403 DEVELOPMENT ENGINEERING



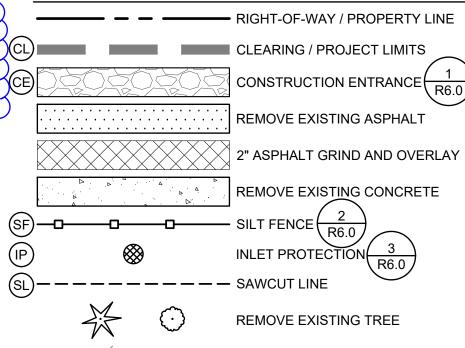
EXISTING TREE TO REMAIN

- 1) REMOVE EXISTING ASPHALT PAVEMENT.
- 2 PROTECT EXISTING SIGN TO REMAIN
- 6 REMOVE AND RELOCATE SIGN SEE SHEETS R5.0 FOR LOCATION
- 7 POWER POLE TO BE REMOVED AND RELOCATED BY PSE. SEE SHEETS R4.1 FOR LOCATION
- 8 NOT USED

LEGEND

[Plans; Sht R3.0 of 44]

- WATERMAIN TO BE REMOVED



KEYNOTES

- 3 NOT USED
- 4 PROTECT EXISTING POWER POLE
- SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
- 9 REMOVE EXISTING CONCRETE CURB
- (10) PROTECT EXISTING UTILITY
- REMOVE PAVEMENT MARKING PER WSDOT STANDARD SPEC 8-22.3(6). GRIND TO A DEPTH JUST ABOVE THE PAVEMENT
 SURFACE AND THEN WATER BLASTING OR SHOT BLASTING
 SHALL BE REQUIRED TO REMOVE THE REMAINING PAVEMENT



Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

<u>Project No.</u>

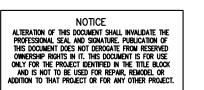
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title:

PIONEER WAY E TESC AND DEMOLITION **PLAN**

Designed by: Drawn by: Checked by:

SK / ZP

Sheet No.

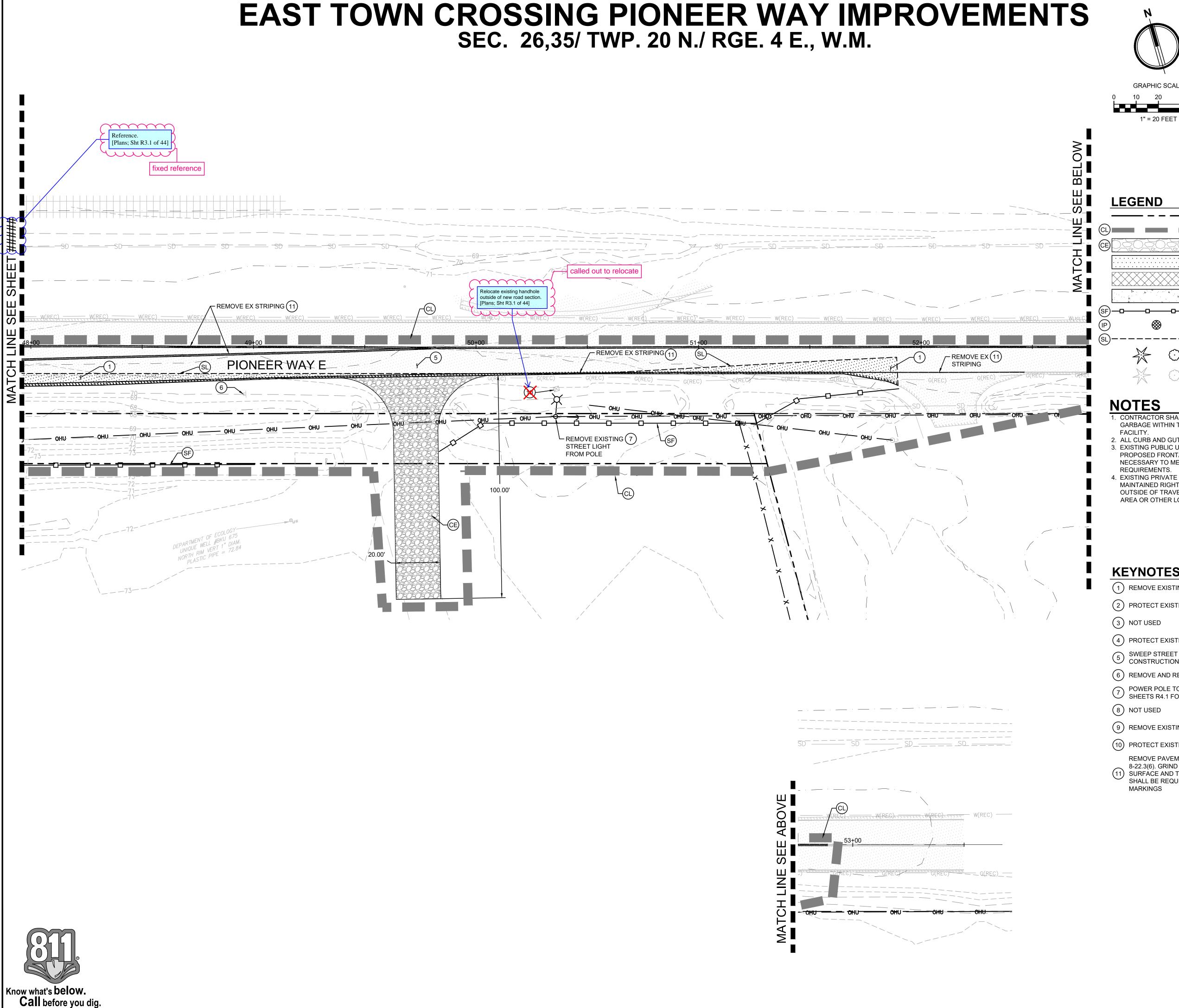
R3.0

8 of 44 Sheets



[Plans; Sht R3.0 of 44]

LIGHTING PLAN FOR REPLACEMENT



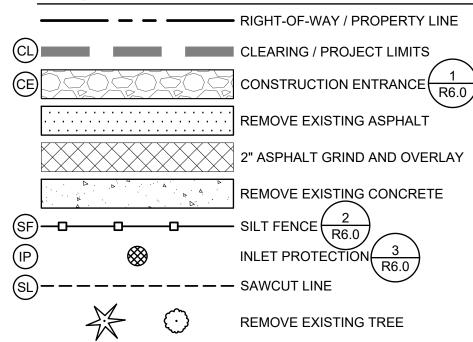
APPROVED

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVA THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

DETERMINED BY THE

DEVELOPMENT ENGINEERING



NOTES

EXISTING TREE TO REMAIN

- MAINTAINED RIGHT-OF-WAY AND UTILITIES SHALL BE RELOCATED AREA OR OTHER LOCATION AS APPROVED BY THE CITY).

KEYNOTES

- 1) REMOVE EXISTING ASPHALT PAVEMENT.
- 2 PROTECT EXISTING SIGN TO REMAIN
- 3 NOT USED
- 4 PROTECT EXISTING POWER POLE
- 5 SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
- 6 REMOVE AND RELOCATE SIGN SEE SHEETS R5.0 FOR LOCATION
- 7 POWER POLE TO BE REMOVED AND RELOCATED BY PSE. SEE SHEETS R4.1 FOR LOCATION
- 8 NOT USED
- 9 REMOVE EXISTING CONCRETE CURB
- (10) PROTECT EXISTING UTILITY

REMOVE PAVEMENT MARKING PER WSDOT STANDARD SPEC 8-22.3(6). GRIND TO A DEPTH JUST ABOVE THE PAVEMENT SURFACE AND THEN WATER BLASTING OR SHOT BLASTING
SHALL BE REQUIRED TO REMOVE THE REMAINING PAVEMENT



2215 North 30th Street, Suite 300, Tacoma, WA 98403

253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

Project No.

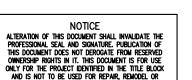
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title:

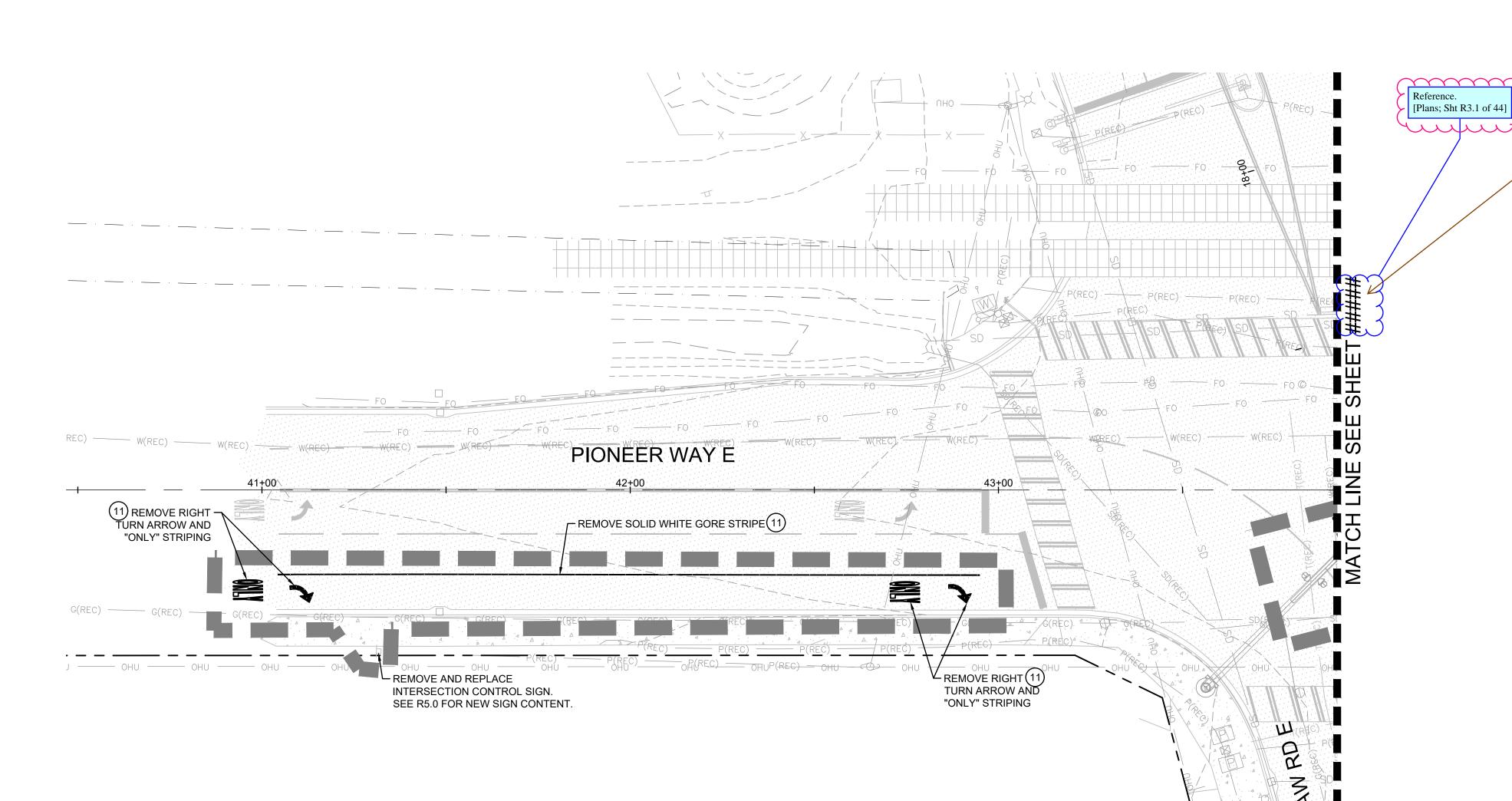
PIONEER WAY E TESC AND DEMOLITION **PLAN**

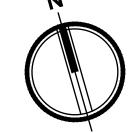
Designed by: Drawn by: Checked by: SK / ZP

Sheet No.

EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.





GRAPHIC SCALE

1" = 20 FEET

Sheet missing from match

fixed reference

Civil Plans - R3.2

LEGEND

NOTES

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVA THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE

RIGHT-OF-WAY / PROPERTY LINE

REMOVE EXISTING ASPHALT

REMOVE EXISTING CONCRETE

REMOVE EXISTING TREE

EXISTING TREE TO REMAIN

2" ASPHALT GRIND AND OVERLAY

APPROVED

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

DEVELOPMENT ENGINEERING

2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG.HELLE@ASHNW.COM

GREG HELLE

<u>Project No.</u>

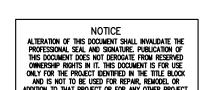
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





KEYNOTES

1) REMOVE EXISTING ASPHALT PAVEMENT.

2 PROTECT EXISTING SIGN TO REMAIN

3 NOT USED

4 PROTECT EXISTING POWER POLE

5 SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.

4. EXISTING PRIVATE UTILITIES THAT ARE IN CONFLICT WITH CITY MAINTAINED RIGHT-OF-WAY AND UTILITIES SHALL BE RELOCATED

AREA OR OTHER LOCATION AS APPROVED BY THE CITY).

(6) REMOVE AND RELOCATE SIGN SEE SHEETS R5.0 FOR LOCATION

7 POWER POLE TO BE REMOVED AND RELOCATED BY PSE. SEE SHEETS R4.1 FOR LOCATION

8 NOT USED

9 REMOVE EXISTING CONCRETE CURB

(10) PROTECT EXISTING UTILITY

REMOVE PAVEMENT MARKING PER WSDOT STANDARD SPEC 8-22.3(6). GRIND TO A DEPTH JUST ABOVE THE PAVEMENT SURFACE AND THEN WATER BLASTING OR SHOT BLASTING SHALL BE REQUIRED TO REMOVE THE REMAINING PAVEMENT

Revisions:

Sheet Title:

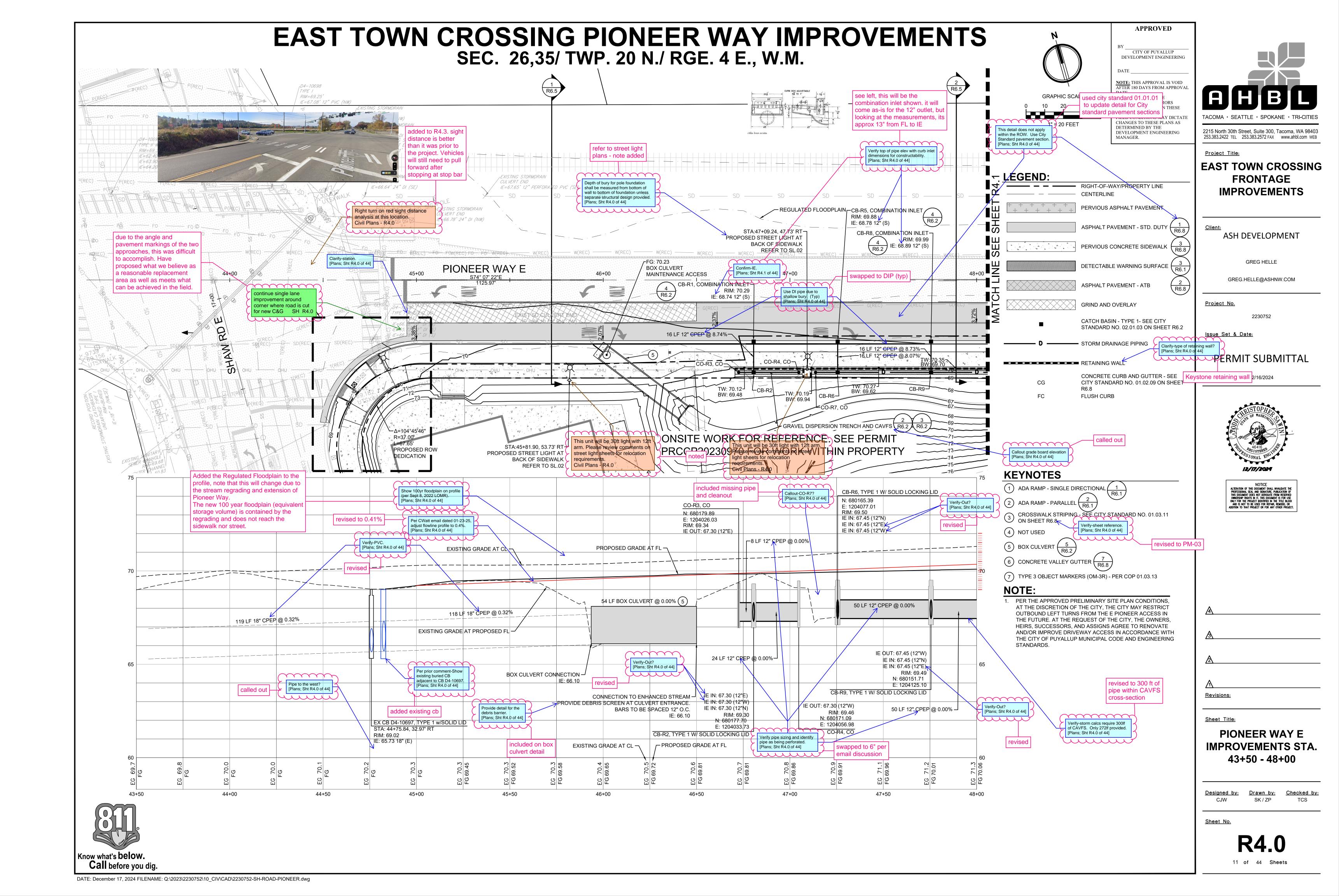
PIONEER WAY E TESC **AND DEMOLITION PLAN**

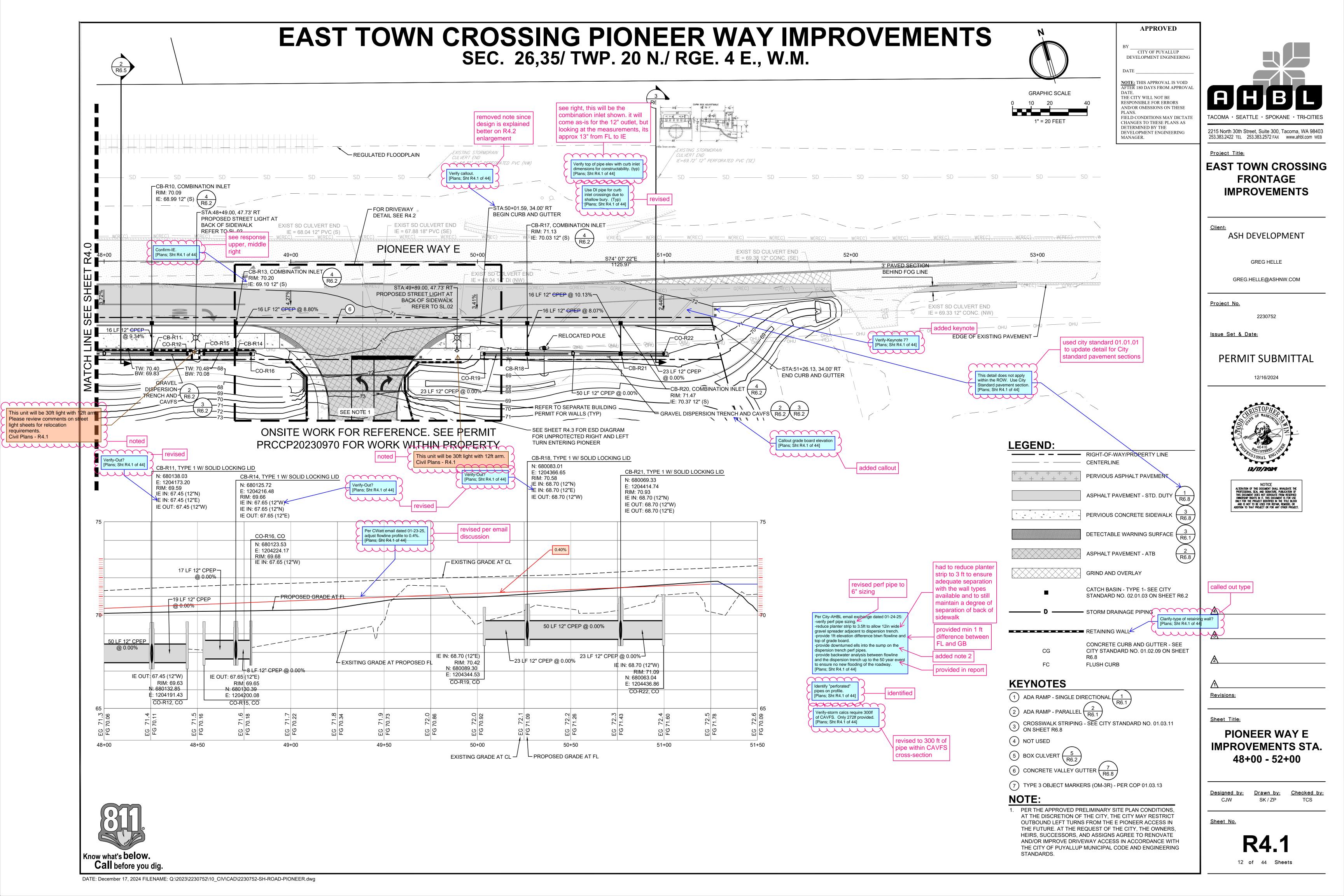
Designed by: Drawn by: Checked by: SK / ZP

Sheet No.

10 of 44 Sheets

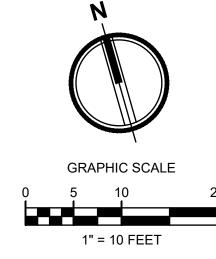
Know what's below. Call before you dig.





EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



CITY OF PUYALLUP DEVELOPMENT ENGINEERING

APPROVED

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB Project Title:

EAST TOWN CROSSING FRONTAGE

ASH DEVELOPMENT

GREG HELLE

IMPROVEMENTS

GREG.HELLE@ASHNW.COM

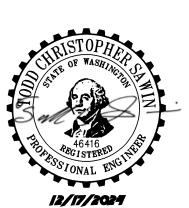
<u>Project No.</u>

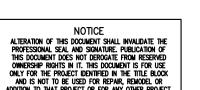
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





<u>Revisions:</u>

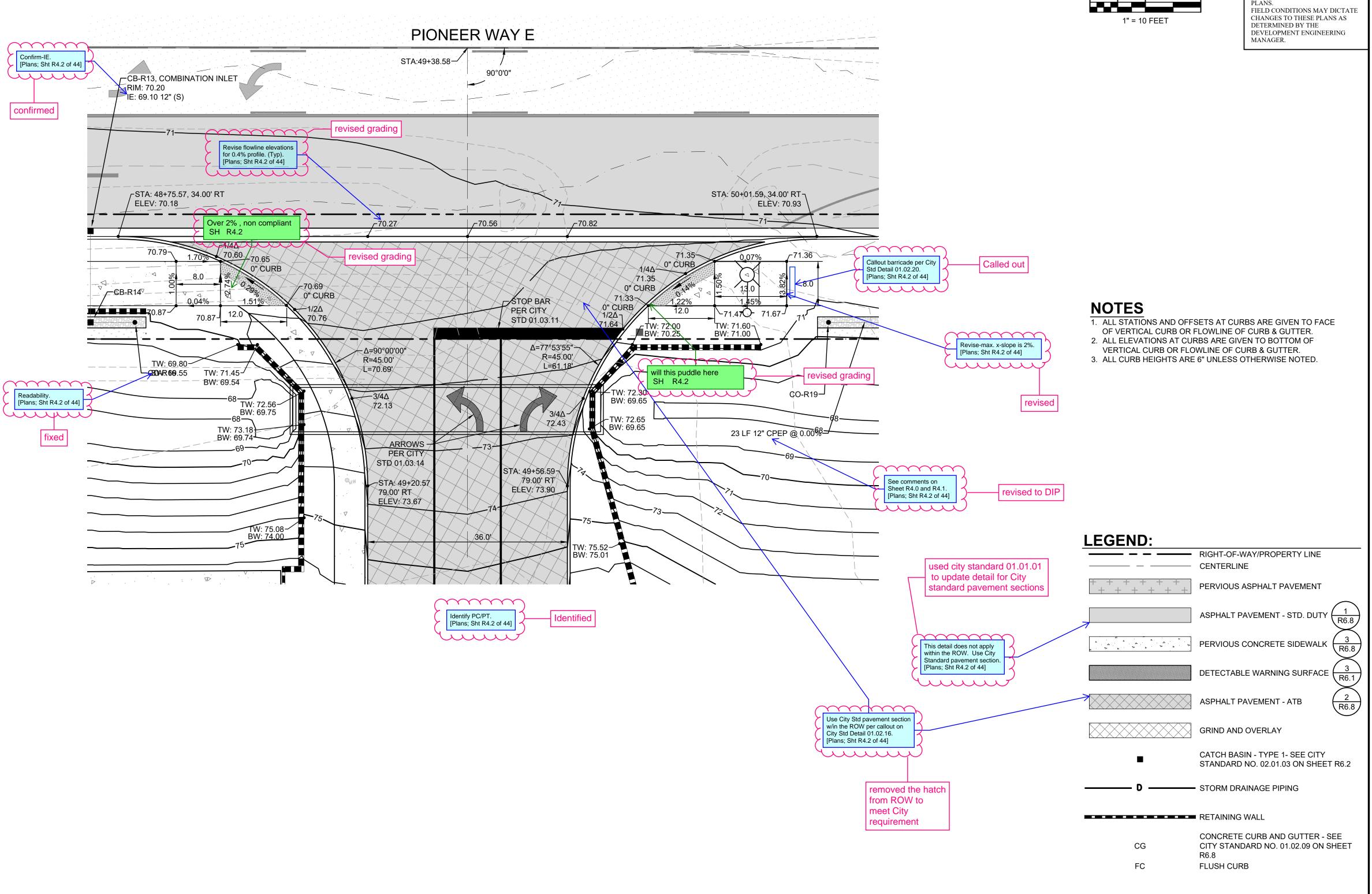
Sheet Title:

DRIVEWAY DETAIL

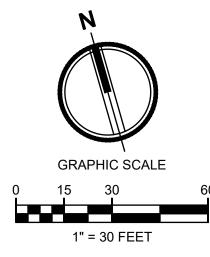
Designed by: Drawn by: Checked by: SK / ZP

Sheet No.

13 of 44 Sheets



EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



BY ______ CITY OF PUYALLUP DEVELOPMENT ENGINEERING

APPROVED

NOTE: THIS APPROVAL IS VOID
AFTER 180 DAYS FROM APPROVAL
DATE.
THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS
AND/OR OMISSIONS ON THESE
PLANS.
FIELD CONDITIONS MAY DICTATE

TACOMA · SEATTLE · SPOKANE · TRI-CIT

2215 North 30th Street, Suite 300, Tacoma, WA 9840 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WE

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

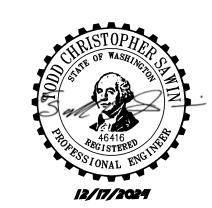
<u>Project No.</u>

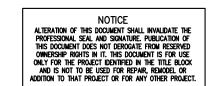
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





▲ ③

Revisions:

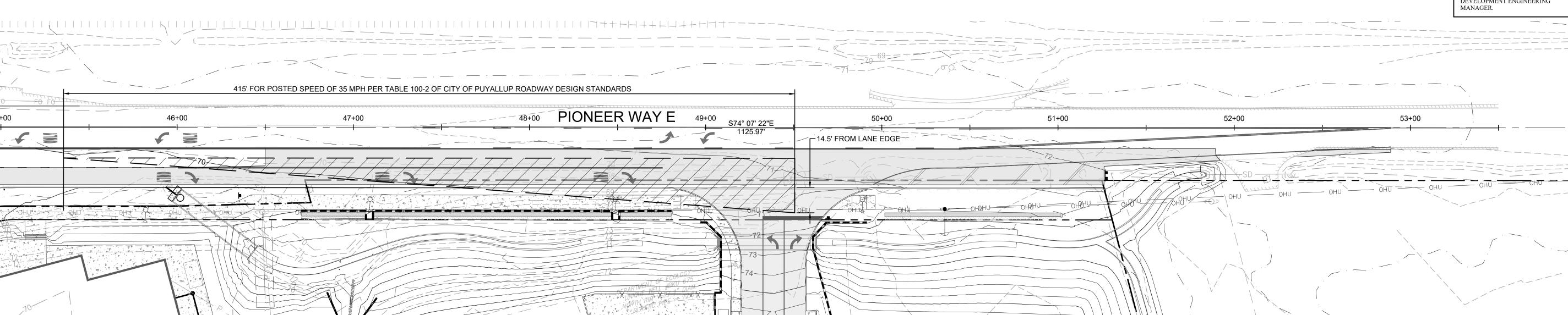
Sheet Title:

PIONEER ENTERING SIGHT DISTANCE DIAGRAM

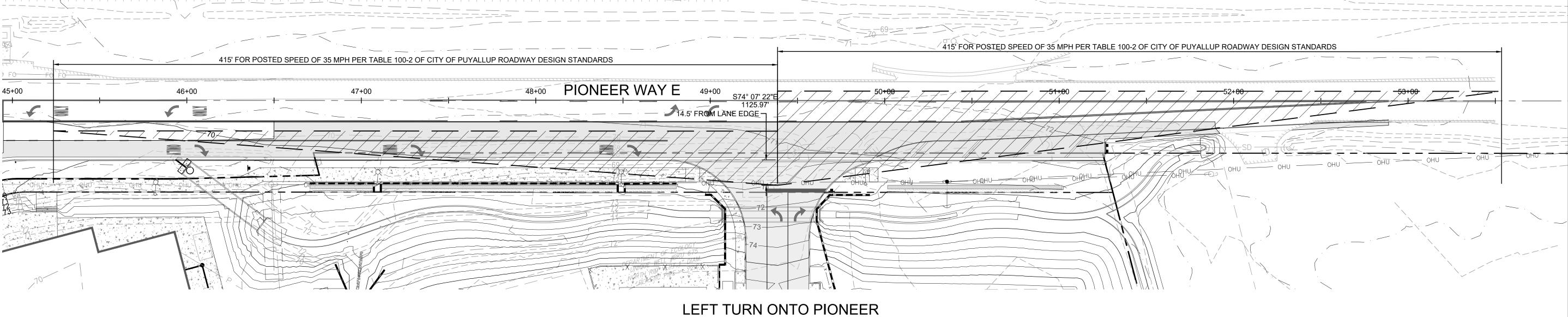
<u>Designed by:</u> <u>Drav</u> CJW Sk

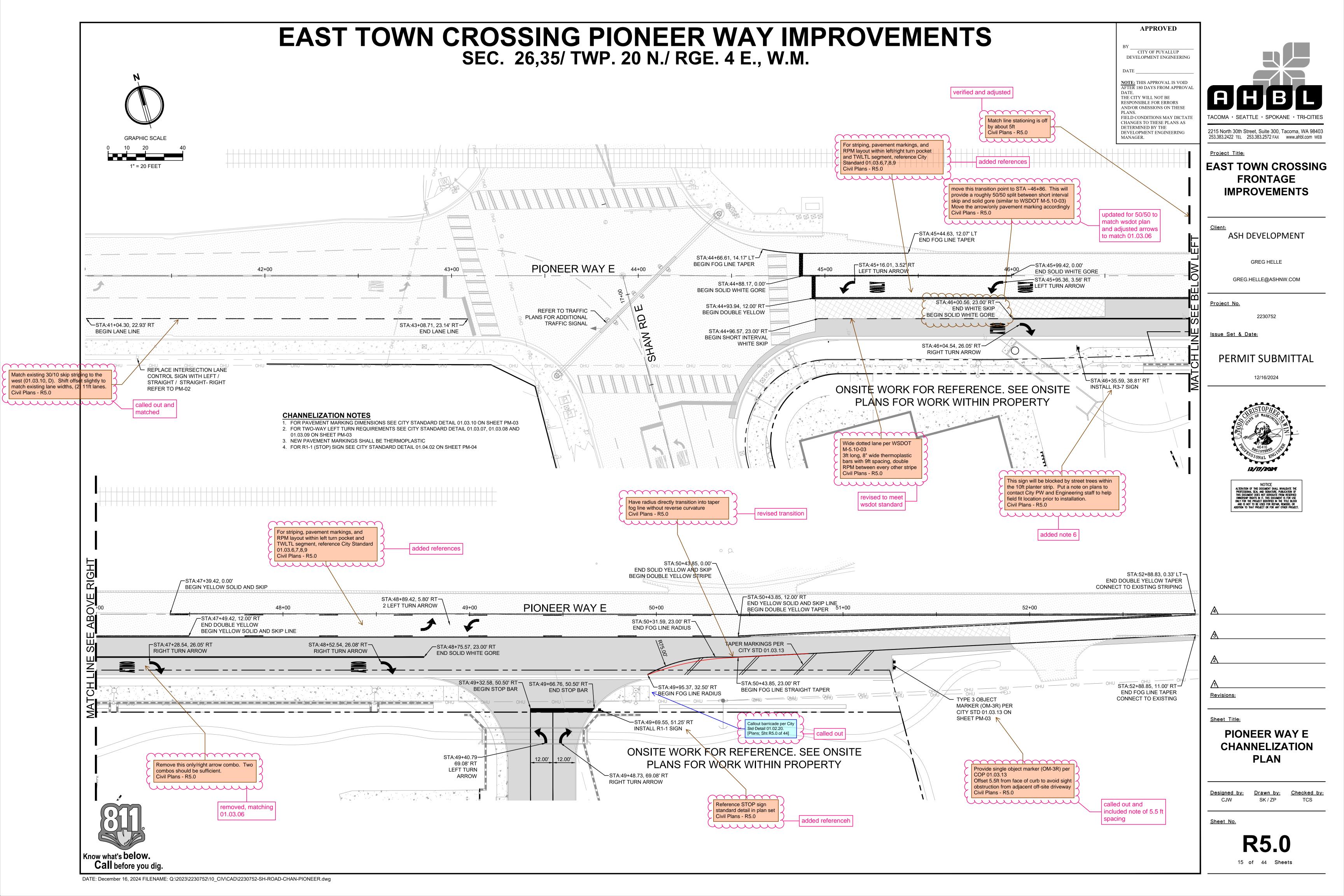
Sheet No.

R4.3



RIGHT TURN ONTO PIONEER





EAST TOWN CROSSING FRONTAGE IMPROVEMENTS SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

TESC INSPECTION NOTES:

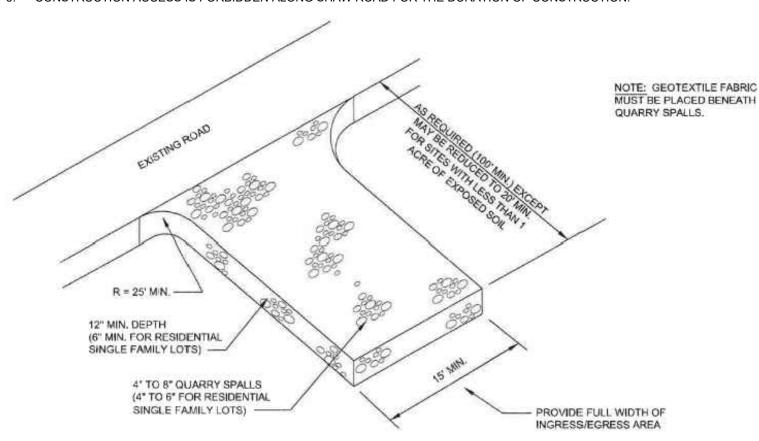
- INSPECT ALL INLET PROTECTION ON CATCH BASINS. CLEAN OR REPLACE IF FULL OF SEDIMENT /DEBRIS AND REPAIR/REPLACE AS NEEDED IF DAMAGED TO MAINTAIN PROTECTION.
- INSPECT ALL PERMANENT AND TEMPORARY STABILIZED SLOPES. REPAIR ANY DAMAGED SECTIONS AND RE-VEGETATE AS NEEDED TO ENSURE THE ESTABLISHMENT OF VEGETATION AND THAT NO EROSION OF THE SLOPES OCCUR.
- INSPECT ALL FILTER FABRIC FENCING FOR SIGNS OF EROSION, DAMAGE OR FAILURES. REPAIR AND/OR REPLACE AS NEEDED. SEE FILTER FABRIC NOTES. SEDIMENT BUILD-UP ALONG FENCE SHALL BE REMOVED WHEN REACHES 1/3 THE FENCE HEIGHT. IF EROSION IS OCCURRING. CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS NEEDED TO PREVENT EROSION
- ANY FILL/CUT SLOPES SHALL BE INSPECTED FOR EROSION. IF SIGNS OF EROSION ARE PRESENT, INSTALL
- APPROPRIATE BMPS AS NEEDED TO STOP EROSION AND STABILIZE SLOPES. TESC LEAD RESPONSIBLE FOR NOTIFYING ENGINEER IF ADDITIONAL MEASURES ARE WARRANTED

PERMANENT STABILIZATION NOTES:

- 1. ALL EXPOSED SOILS AND SLOPES SHALL BE SEEDED OR OTHERWISE STABILIZED IMMEDIATELY AFTER CONSTRUCTION AND GRADING ACTIVITIES HAVE BEEN COMPLETED. 2. SILT FENCE, IF DEEMED APPROPRIATE, SHALL REMAIN FOR A MINIMUM OF 30 DAYS AFTER THE FINAL STABILIZATION OF
- 3. ALL TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED 30 DAYS AFTER FINAL STABILIZATION HAS OCCURRED
- AS DIRECTED BY CITY OR COUNTY INSPECTOR. 4. CONTRACTOR SHALL REFER TO THE CONSTRUCTION SWPP FOR APPLICABLE BMPS

CONSTRUCTION ENTRANCE NOTES:

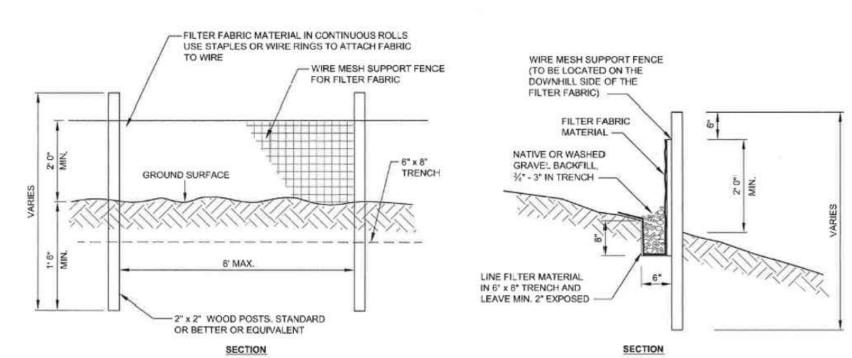
- 1. MATERIAL SHALL BE 4" TO 8" QUARRY SPALLS (4 TO 6 INCH FOR RESIDENTIAL SINGLE FAMILY LOTS) AND MAY BE
- 2. THE ROCK PAD SHALL BE AT LEAST 12" THICK AND 100' LONG (REDUCED TO 20 FEET FOR SITES LESS THAN 1 ACRE OF DISTURBED SOIL) WIDTH SHALL BE FULL WIDTH OF INGRESS AND EGRESS AREA. SMALLER PADS MAY BE APPROVED FOR SINGLE-FAMILY RESIDENTIAL AND COMMERCIAL SITES.
- 3. ADDITIONAL ROCK SHALL BE ADDED PERIODICALLY TO MAINTAIN FUNCTION OF THE PAD.
- 4. IF THE PAD DOES NOT ADEQUATELY REMOVE MUD FROM THE VEHICLE WHEELS. THE WHEELS SHALL BE HOSED OFF BEFORE THE VEHICLE ENTERS A PAVED STREET.THE WASHING SHALL BE DONE ON AN AREA COVERED WITH CRUSHED ROCK AND WASH WATER SHALL DRAIN TO A SEDIMENT RETENTION FACILITY OR THROUGH A SILT FENCE.
- CONSTRUCTION ACCESS IS FORBIDDEN ALONG SHAW ROAD FOR THE DURATION OF CONSTRUCTION.



CONSTRUCTION ENTRANCE

FILTER FABRIC FENCE NOTES

- SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP. AND SECURELY FASTENED AT BOTH ENDS TO POSTS. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30
- A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
- WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE
- THE ORIGINAL GROUND SURFACE. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
- WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISIONS OF ABOVE NOTES APPLYING
- FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
- SILT FENCES WILL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.
- CONTRIBUTING LENGTH TO FENCE WILL NOT BE GREATER THAN 100 FEET.
- DO NOT INSTALL BELOW AN OUTLET PIPE OR WEIR.
- INSTALL DOWNSLOPE OF EXPOSED AREAS. DO NOT DRIVE OVER OR FILL OVER SILT FENCES



AMENDED SOILS NOTES:

- SOIL AMENDMENTS ARE REQUIRED FOR ALL DISTURBED AREAS IN ACCORDANCE WITH BMP L613: POST-CONSTRUCTION SOIL QUALITY AND DEPTH OF THE 2021 SURFACE WATER MANAGEMENT MANUAL
- AMENDED SOILS SHALL BE A MINIMUM OF 8" (NON-COMPACTED) WITH SUBSOILS SCARIFIED AT LEAST 4" WITH INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
- QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS ARE AS FOLLOWS:
- a. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220. THE WAC IS AVAILABLE ONLINE AT: HTTP://WWW.ECY.WA.GOV/PROGRAMS/SWFA/FACILITIES/350.HTML THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS
- HIGH AS 35: 1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS. AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST
- USE ONE OF THE FOLLOWING OPTIONS TO MEET THE POST CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS. USE THE MOST RECENT VERSION OF "GUIDELINES FOR RESOURCES FOR IMPLEMENTING SOIL QUALITY AND DEPTH BMP T5.13" TO MEET THE REQUIREMENTS OF THIS BMP. THIS GUIDANCE CAN BE FOUND ONLINE AT:WWW.SOILSFORSALMON.ORG LEAVE NATIVE VEGETATION AND SOIL UNDISTURBED, AND PROTECT FROM COMPACTION DURING CONSTRUCTION
- AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RA TES BASED ON SPECIFIC TESTS OF THE SOIL AND AMENDMENT
- STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE
- IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.
- AMENDED SOILS SHALL BE MAINTAINED AS FOLLOWS
- SOIL QUALITY AND DEPTH SHOULD BE ESTABLISHED TOWARD THE END OF CONSTRUCTION AND ONCE ESTABLISHED, SHOULD BE PROTECTED FROM COMPACTION, SUCH AS FROM LARGE MACHINERY USE, AND FROM EROSION.
- SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.
- PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MA TIER. d. IT SHOULD BE POSSIBLE TO REDUCE USE OF IRRIGATION, FERTILIZERS, HERBICIDES AND PESTICIDES. THESE ACTIVITIES
- SHOULD BE ADJUSTED WHERE POSSIBLE, RATHER THAN CONTINUING TO IMPLEMENT FORMERLY ESTABLISHED PRACTICES
- SEE PROJECT CONSTRUCTION SWPPP FOR ADDITIONAL INFORMATION OR SECTION 2.2.1.4 OF CHAPTER 2 OF VOLUME 6 OF THE 2021 SURFACE WATER MANAGEMENT MANUAL

MULCHING NOTES:

- MULCH MATERIALS USED SHALL BE STRAW OR HAY, AND SHALL BE APPLIED AT THE RATE OF 75-100 POUNDS PER 1000
- MULCH SHALL BE APPLIED IN ALL AREAS WITH EXPOSED SLOPES GREATER THAN 2: 1. MULCHING SHALL BE USED IMMEDIATELY AFTER SEEDING OR IN AREAS WHICH CANNOT BE SEEDED BECAUSE OF THE
- 4. ALL AREAS NEEDING MULCH SHALL BE COVERED BY NOVEMBER 1

CONTRACTOR NOTES

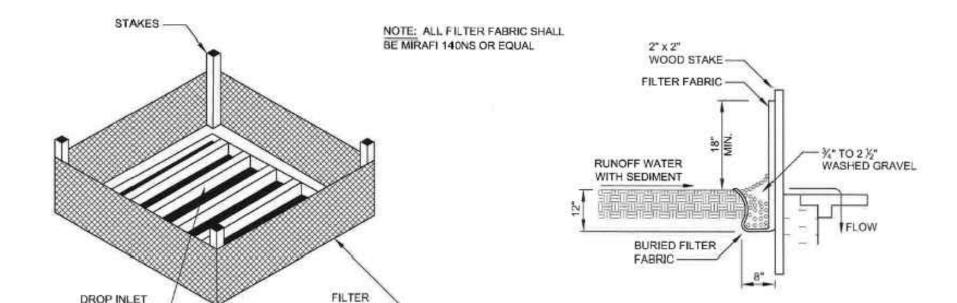
- INLET PROTECTION SHALL BE INSTALLED IN ALL NEWLY CONSTRUCTED CATCH BASINS AND ALONG ALL IMPACTED FRONTAGE AND OFFSITE AREAS PER THE REQUIREMENTS OF THE COUNTY INSPECTOR PER DETAIL 5 ON THIS SHEET 5 CONSTRUCTION FENCE CAN BE UTILIZED IN PLACE OF FILTER FABRIC FENCE ONLY IN AREAS WHERE THE GRADES DO
- NOT ALLOW THE POTENTIAL FOR ANY STORMWATER TO LEAVE THE SITE. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A CITY APPROVED LOCATION AND IN A MANNER CONSISTENT WITH CURRENT REGULATIONS AND REQUIREMENTS.
- 4. ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN (7) DAYS DURING THE DRY SEASON OR TWO (2) DAYS DURING THE WET SEASON, SHALL BE COVERED WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR OTHER EQUIVALENT PER CURRENT CITY OR COUNTY STANDARDS. SEE SEEDING NOTES AND MULCHING NOTES ON THIS
- CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPT OF ECOLOGY CERTIFIED EROSION CONTROL LEAD PERSON, AND SHALL COMPLY WITH THE CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR
- 6. AT ANY TIME DURING CONSTRUCTION IT IS DETERMINED BY THE CITY OR COUNTY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR AND/OR THE OWNER SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION
- OF A WHEEL WASH FACILITY ON-SITE. 7. SEDIMENT LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE LIMITS OF THE IMPROVEMENTS. ADDITIONAL MEASURES SHALL BE INSTALLED AS NEEDED.
- SAND BAGS SHALL BE SECURELY PLACED AROUND INSTALLED CATCH BASINS WITH INLET PROTECTION AS FIELD AND WEATHER CONDITIONS WARRANT SO TO PROTECT ALL DISPERSION AND INFILTRATION TRENCHES SEDIMENT LADEN
- TREES WITHIN WORKING LIMITS TO BE SAVED, SHALL BE MARKED AS SUCH ON SITE AND PROTECTION FENCE PLACED AROUND EACH TREE.

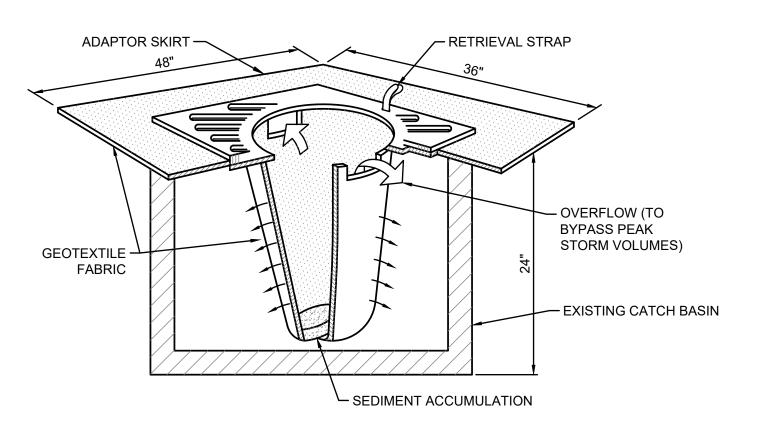
SEEDING NOTES

THE FOLLOWING SEED MIXTURE SHALL BE AS BELOW AND SHALL BE APPLIED AT THE RATE RECOMMENDED BY THE

TABLE D.3.2.B TE	MPORARY EROSI	ON CONTROL SE	ED MIX
	% WEIGHT	% PURITY	% GERMINATION
CHEWINGS OR RED FESCUE FESTUCA RUBRA VAR. COMMUTATA OR FESTUCA RUBRA	40	98	90
ANNUAL OR PERENNIAL RYE LOLIUM MULTIFLORUM OR LOLIUM PERENNE	40	98	90
REDTOP OR COLONIAL BENTGRASS AGROSTIS ALBA OR AGROSTIS TENUIS	10	92	85
WHITE DUTCH CLOVER TRIFOLIUM REPENS	10	98	90

- SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS
- NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING), BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES,
- INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL
- OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE. 6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIER'S RECOMMENDATIONS. AMOUNTS USED SHOULD BE
- MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.





- 1. FILTERS SHALL BE INSPECTED AFTER EACH STORM EVENT AND
- CLEANED OR REPLACED WHEN 1/3 FULL.
- 2. INSTALL INLET PROTECTION IN ALL NEW STORM STRUCTURES THAT WILL COLLECT STORMWATER AS THEY ARE INSTALLED.

INLET PROTECTION WITH FILTER **FABRIC FENCE OR FILTER SOCK**



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

APPROVED

CITY OF PUYALLUP

DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

THE CITY WILL NOT BE

RESPONSIBLE FOR ERRORS

AND/OR OMISSIONS ON THESE

CHANGES TO THESE PLANS AS DETERMINED BY THE

DEVELOPMENT ENGINEERING

FIELD CONDITIONS MAY DICTATE

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

<u>Project No.</u>

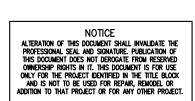
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title: **TESC DETAILS AND**

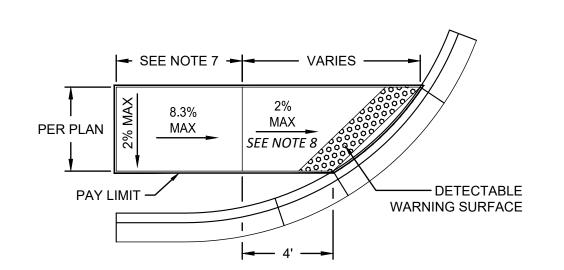
NOTES

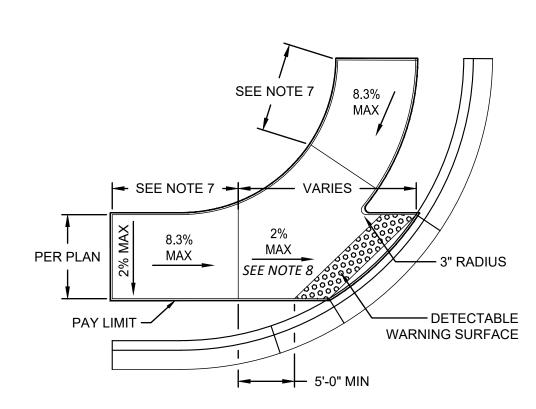
<u>Drawn by:</u> <u>Checked by:</u>

Sheet No.

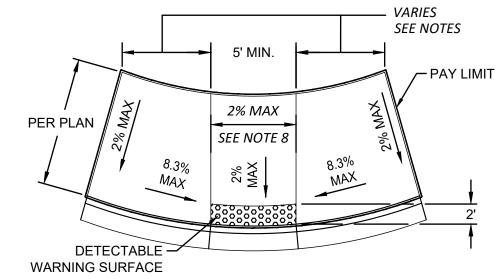
Know what's below. Call before you dig.

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

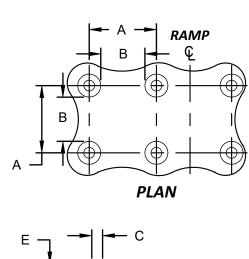




SINGLE DIRECTION CURB RAMP



PARALLEL CURB RAMP



DETECTABLE WARNING SURFACE AREA SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 8-14.2. DETECTABLE WARNING SURFACES SHALL BE

STANDARD SPECIFICATIONS SECTION 8-14.3(5).

PLACED IN ACCORDANCE WITH WSDOT

* DIMENSION C SHALL BE 50% **ELEVATION** THROUGH 65% OF DIMENSION D

DETECTABLE WARNING SURFACE DETAIL

CURB RAMP NOTES:

- 1. CURB RAMPS ARE TYPICALLY CENTERED AT THE 1/4 RADIUS POINTS.
- 2. CURB TO BE FLUSH WITH ADJACENT ROADWAY SURFACE. THE BID ITEM DOES NOT INCLUDE THE CURB AND GUTTER.
- 3. PERPENDICULAR RAMP LENGTH IS MEASURED FROM BACK OF CURB.
- 4. PARALLEL RAMP LENGTHS VARY FROM 6' MIN. TO 15' MAX.
- 5. IF SIGNAL POLE EXISTS, PARALLEL CURB RAMP SHALL INCLUDE THE CONCRETE AREA AROUND THE SIGNAL POLE. SIDEWALK DEPTH SHALL BE 6" FROM PC TO PT.
- 6. ADJUST RAMP LENGTHS TO MEET ADA REQUIREMENTS 8.3% MAX GRADE, 15' MAX LENGTH.
- 7. SEE WSDOT STANDARD PLAN F-40.16-03 NOTE 8.
- 8. LANDINGS SHALL HAVE A 2% MAX. GRADE IN EACH DIRECTION, EXCEPT AT MIDBLOCK CROSSINGS WHERE THEY MAY MATCH THE GRADE OF THE ROADWAY.
- 9. PERPENDICULAR CURB RAMPS SHALL HAVE A 2% MAX. CROSS SLOPE, EXCEPT AT MIDBLOCK CROSSINGS WHERE IT MAY MATCH THE GRADE
- 10. THE ROWS OF TRUNCATED DOMES IN DETECTABLE WARNING SURFACES SHALL BE ALIGNED PERPENDICULAR TO THE GRADE BREAK AT THE
- 11. CURB RAMPS CANNOT BE PERVIOUS MATERIAL
- 12. SEE THE CURRENT EDITION OF WSDOT STANDARD PLAN F-10.12 FOR PEDESTRIAN CURB DETAILS.

APPROVED

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE

CHANGES TO THESE PLANS AS

DEVELOPMENT ENGINEERING

DETERMINED BY THE

MANAGER.

2215 North 30th Street, Suite 300, Tacoma, WA 98403

253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

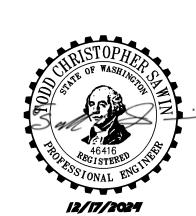
<u>Project No.</u>

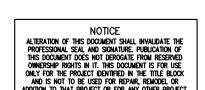
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





Revisions:

Sheet Title:

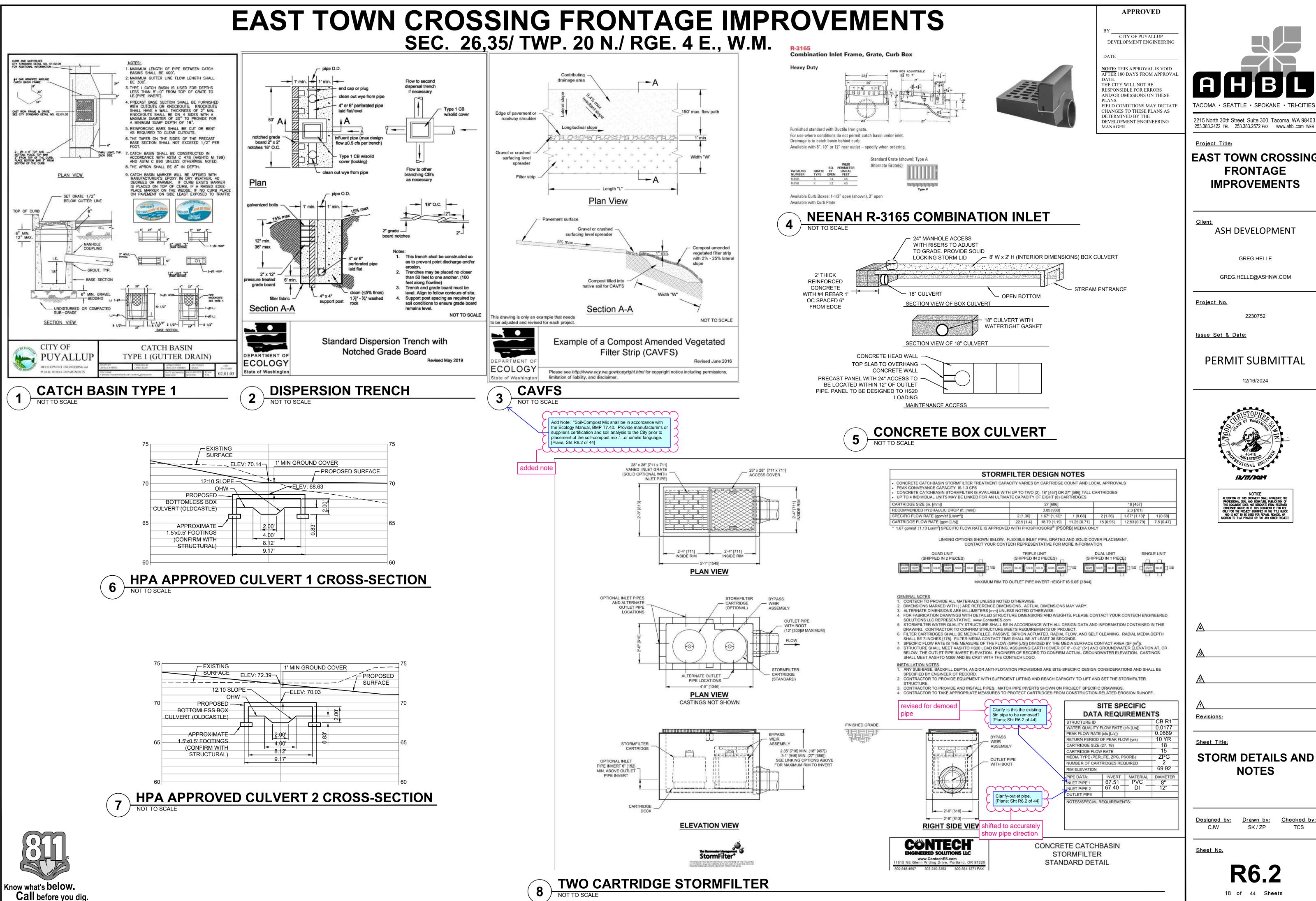
ADA DETAILS AND NOTES

Designed by: Drawn by: Checked by:

Sheet No.

17 of 44 Sheets

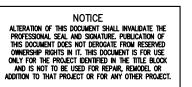




2230752

PERMIT SUBMITTAL

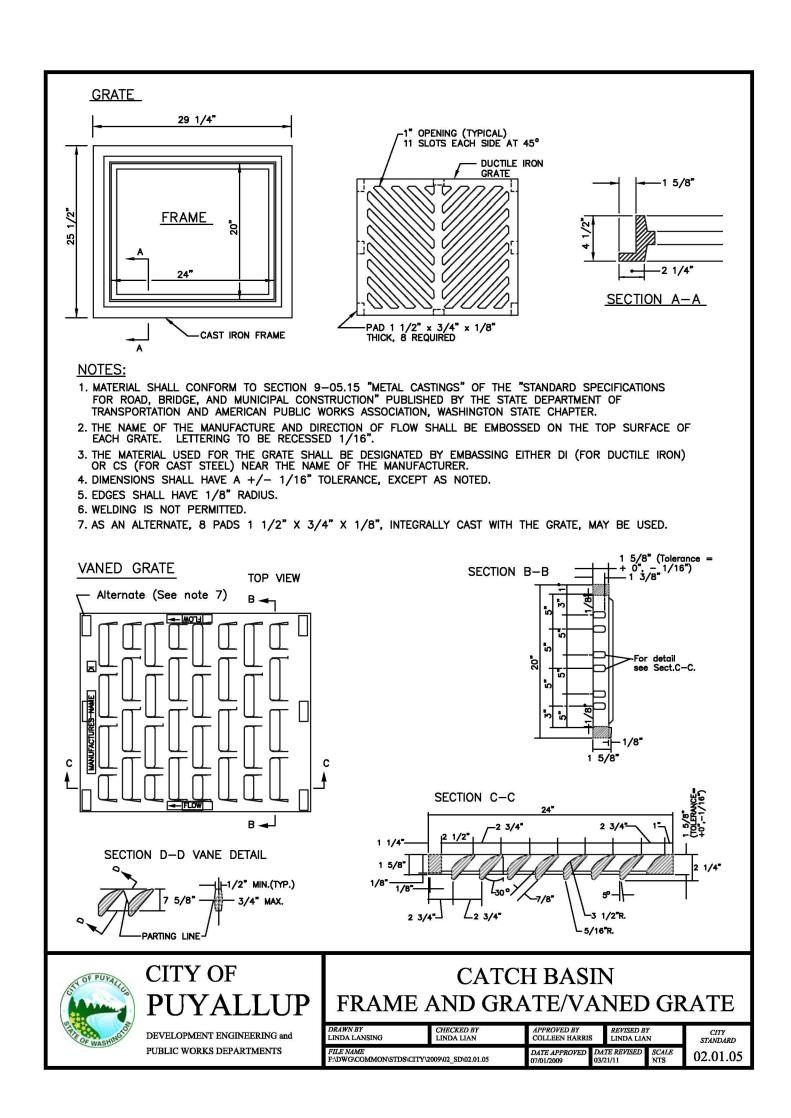


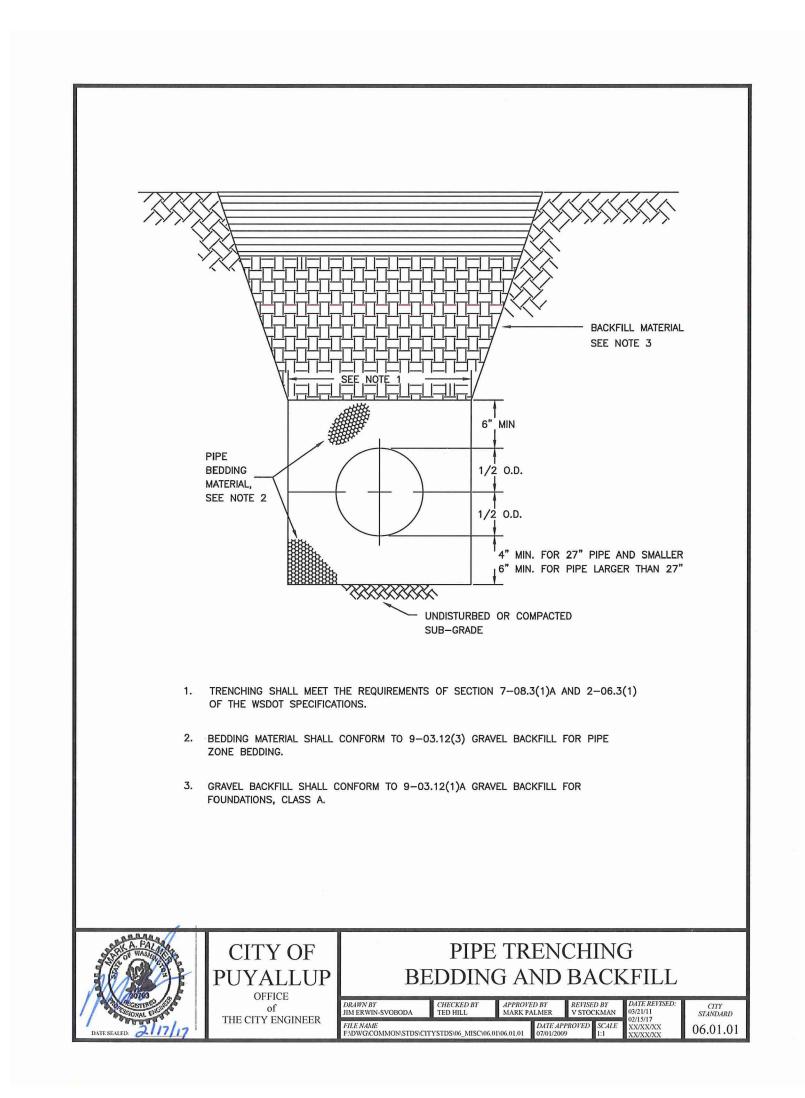


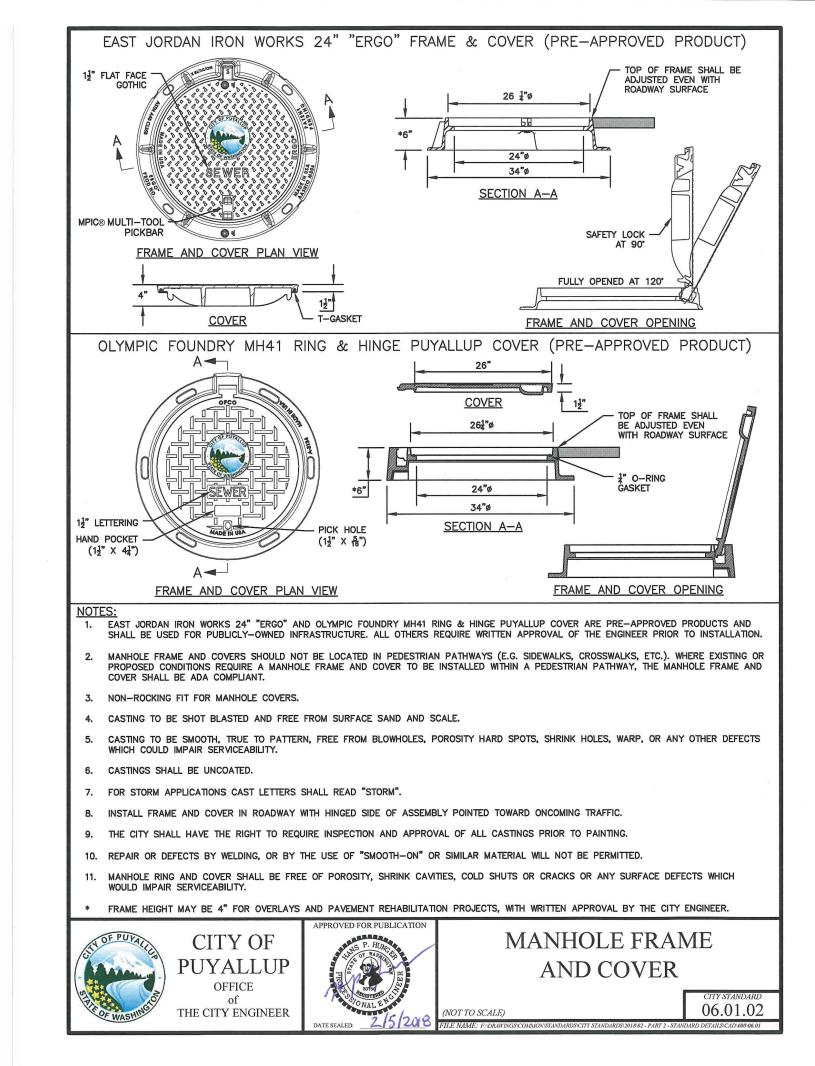
STORM DETAILS AND **NOTES**

> Drawn by: Checked by: SK / ZP

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.







APPROVED

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

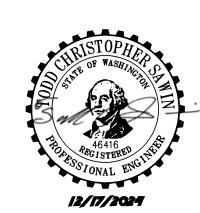
<u>Project No.</u>

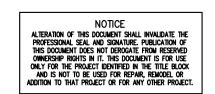
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





<u> </u>						
<u> </u>						
<u> </u>						
	<u> </u>	Δ	<u> </u>	A	A	A

Sheet Title:

Revisions:

STORM DETAILS AND **NOTES**

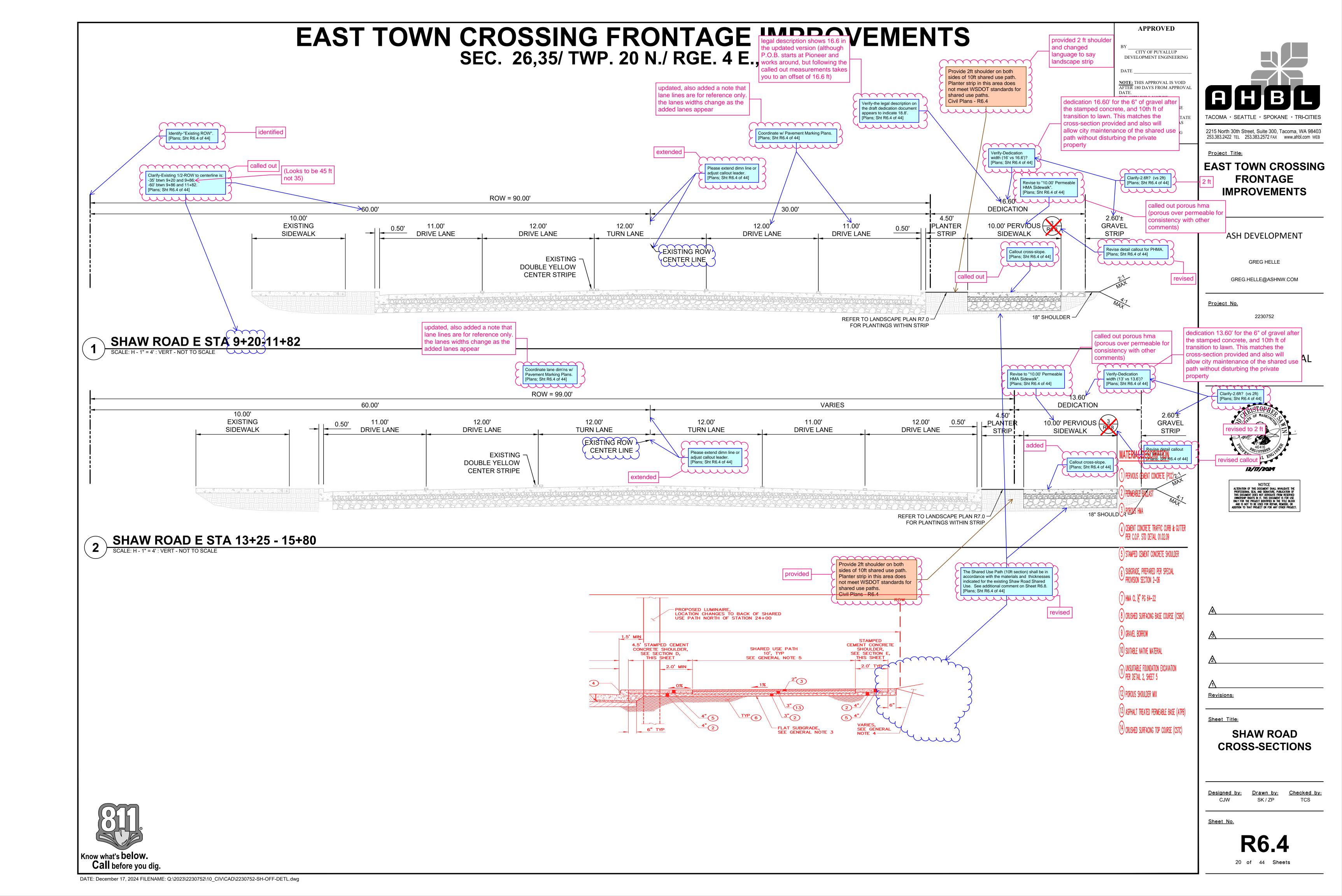
Designed by: Drawn by: Checked by:

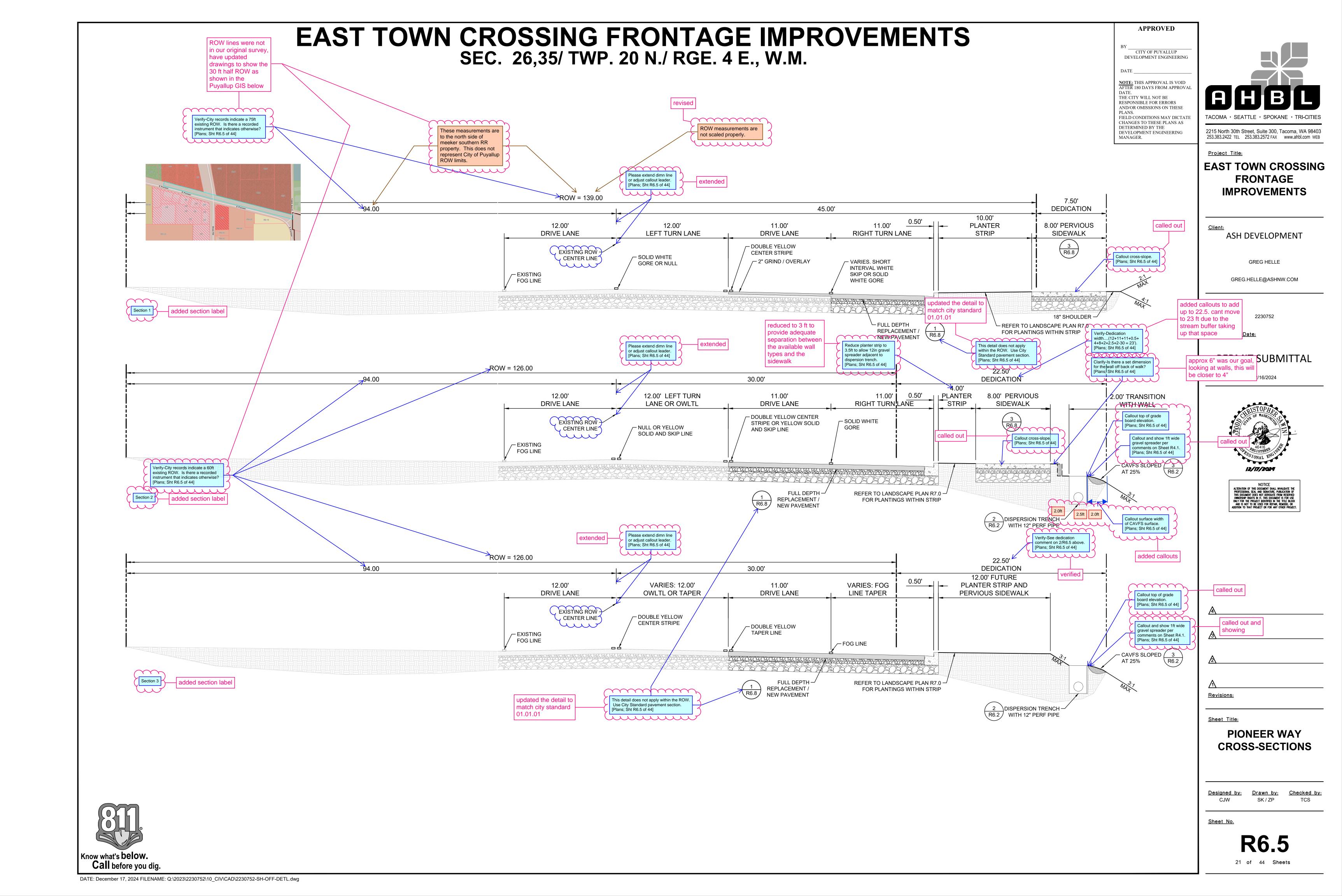
Sheet No.

R6.3

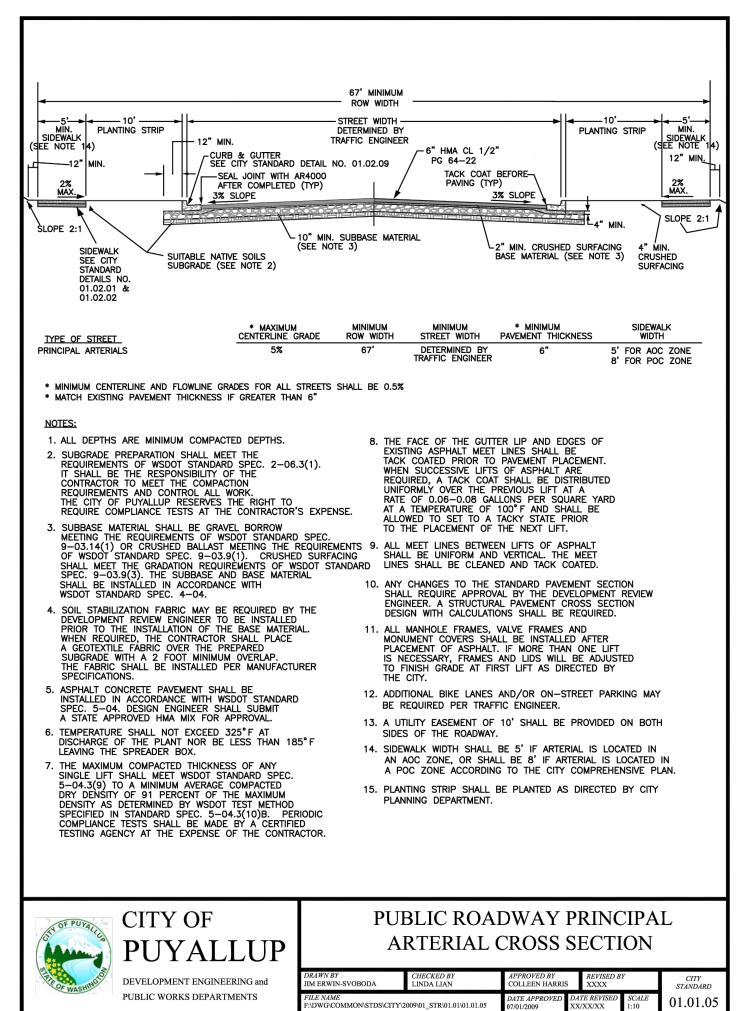
19 of 44 Sheets

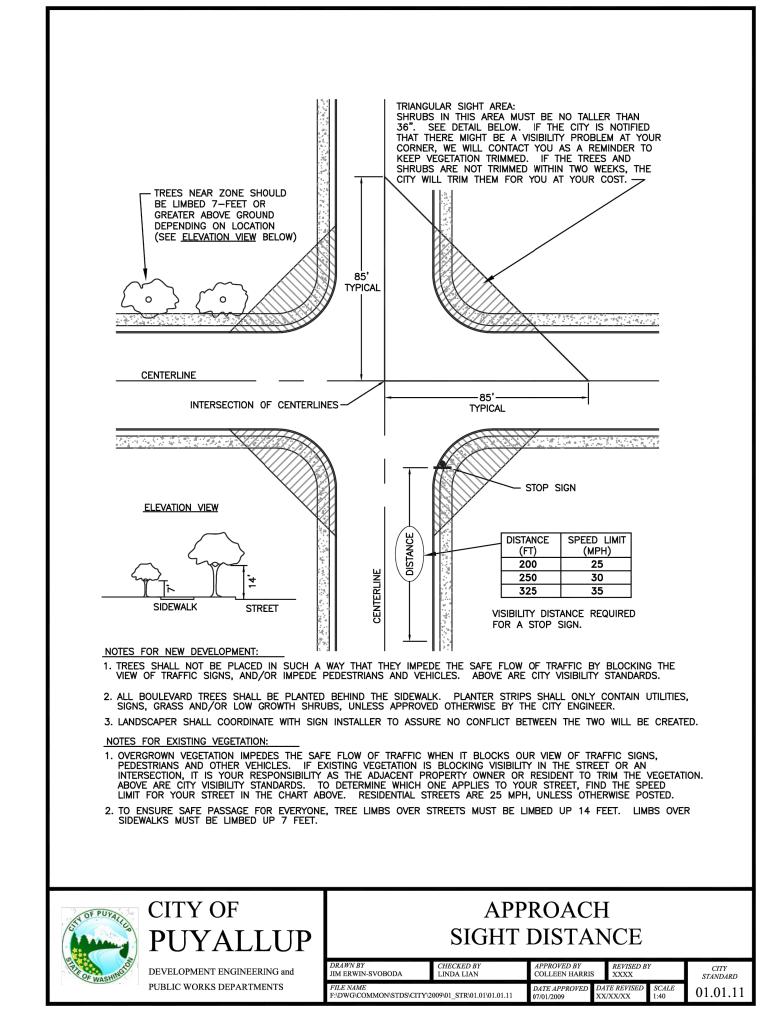


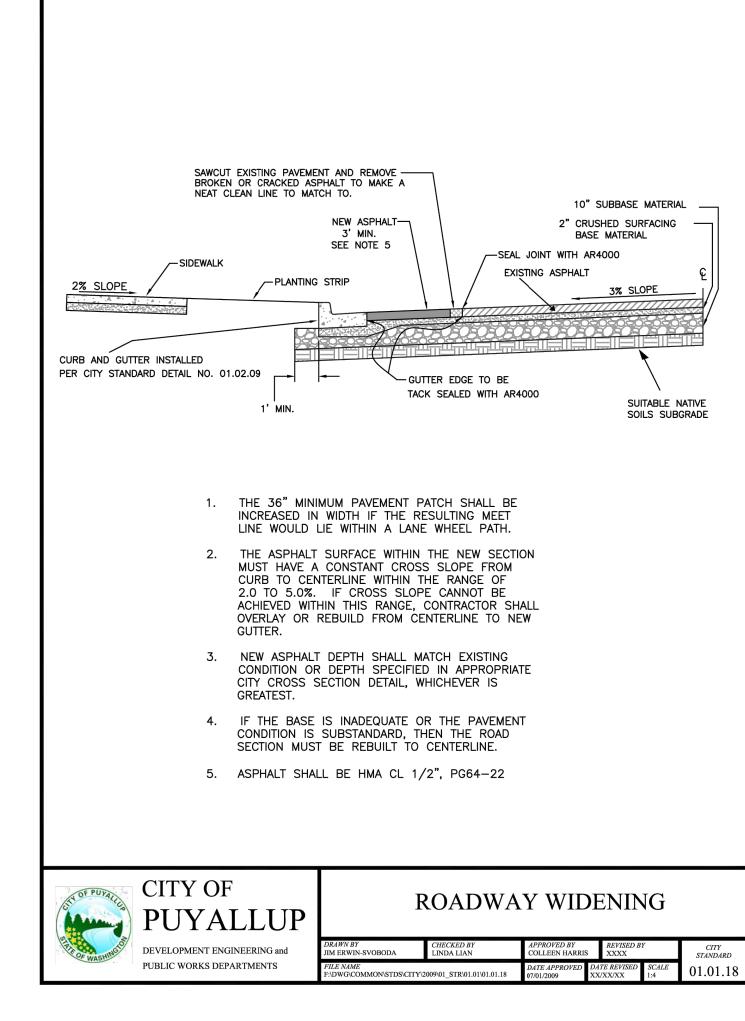


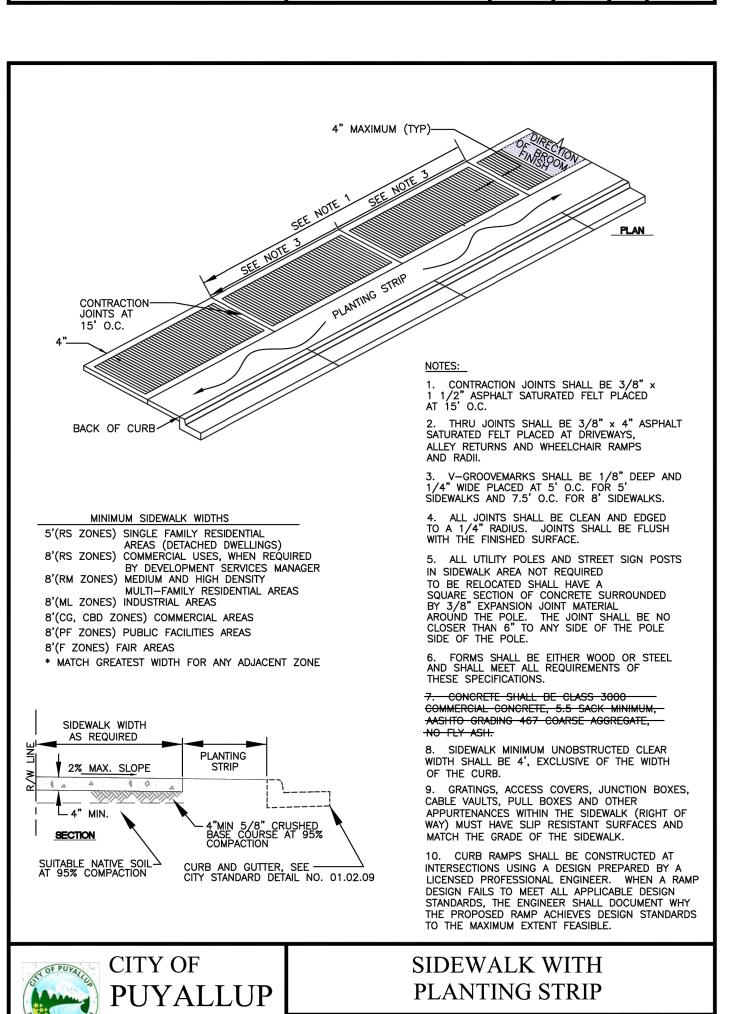


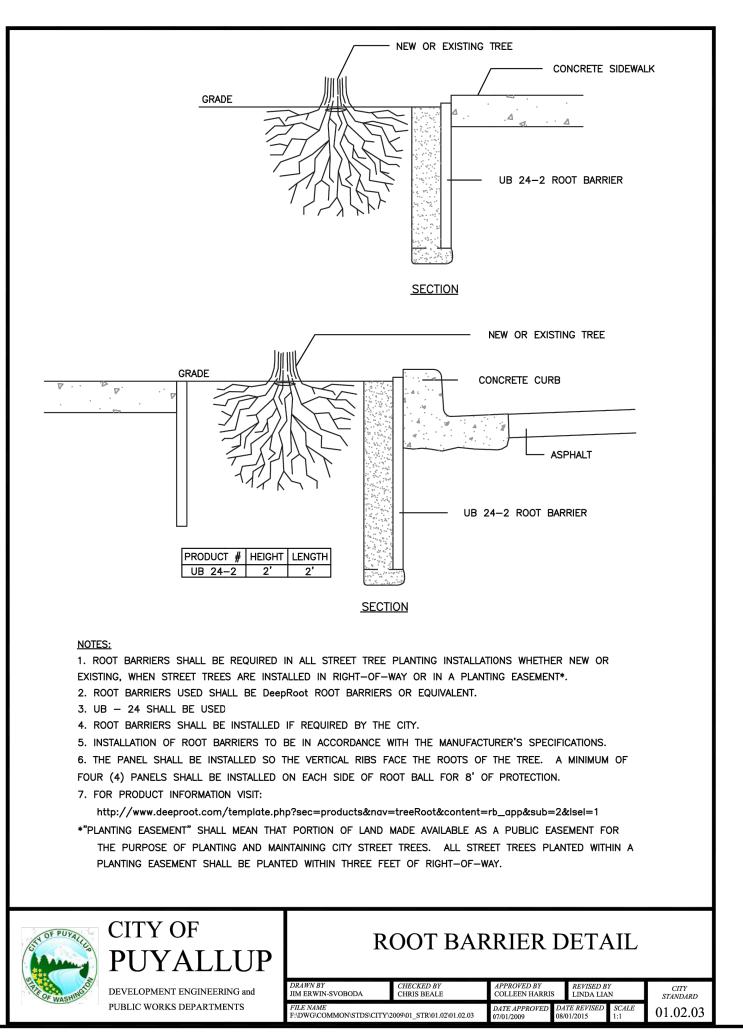
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

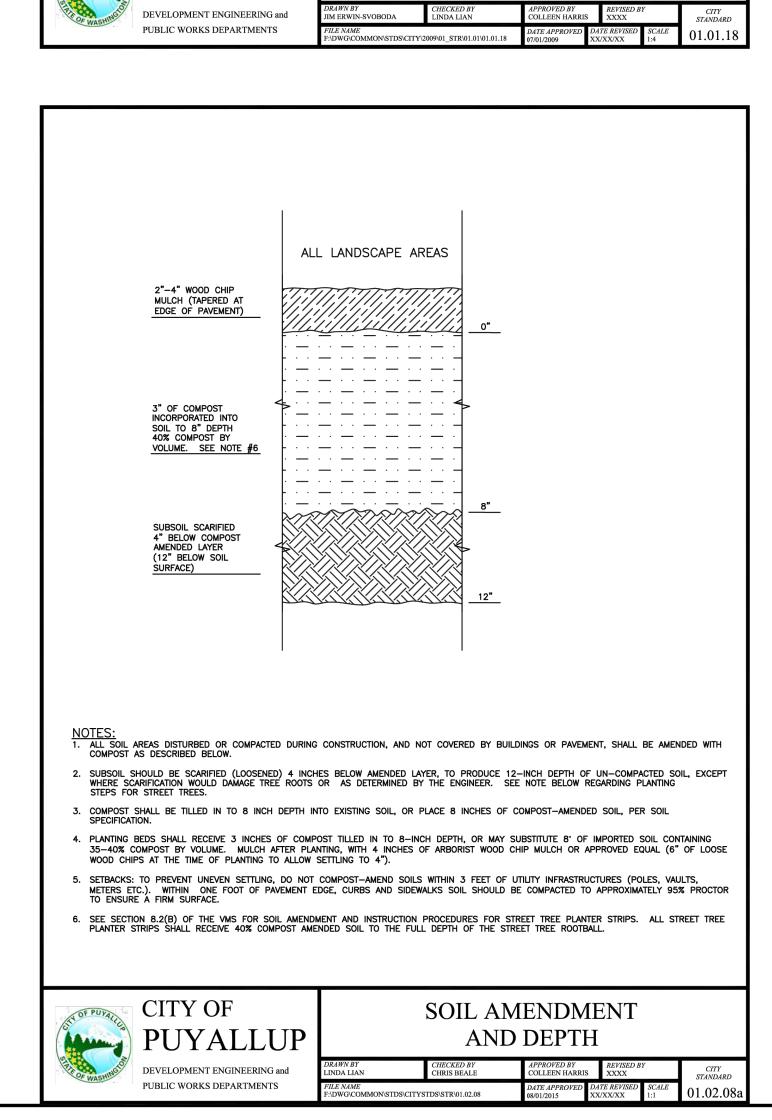


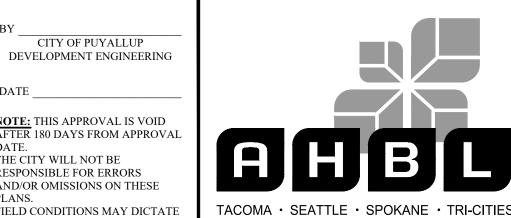












APPROVED

CITY OF PUYALLUP

THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS

DETERMINED BY THE

MANAGER.

DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL AND/OR OMISSIONS ON THESE TACOMA · SEATTLE · SPOKANE · TRI-CITIES FIFI D CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS 2215 North 30th Street, Suite 300, Tacoma, WA 98403

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

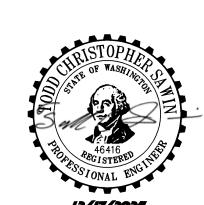
Project No.

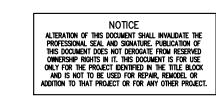
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





<u> </u>
A
A
Δ

<u>Revisions:</u>

Sheet Title:

CHANNELIZATION DETAILS

<u>Drawn by:</u> <u>Checked by:</u> SK / ZP

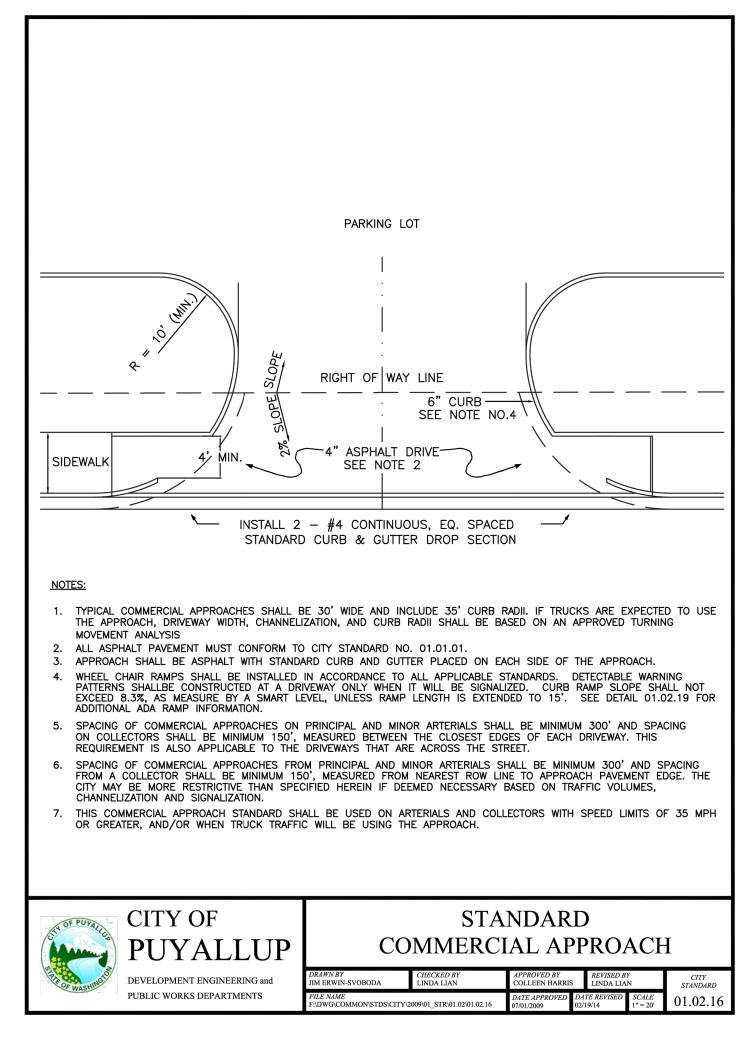
Sheet No.

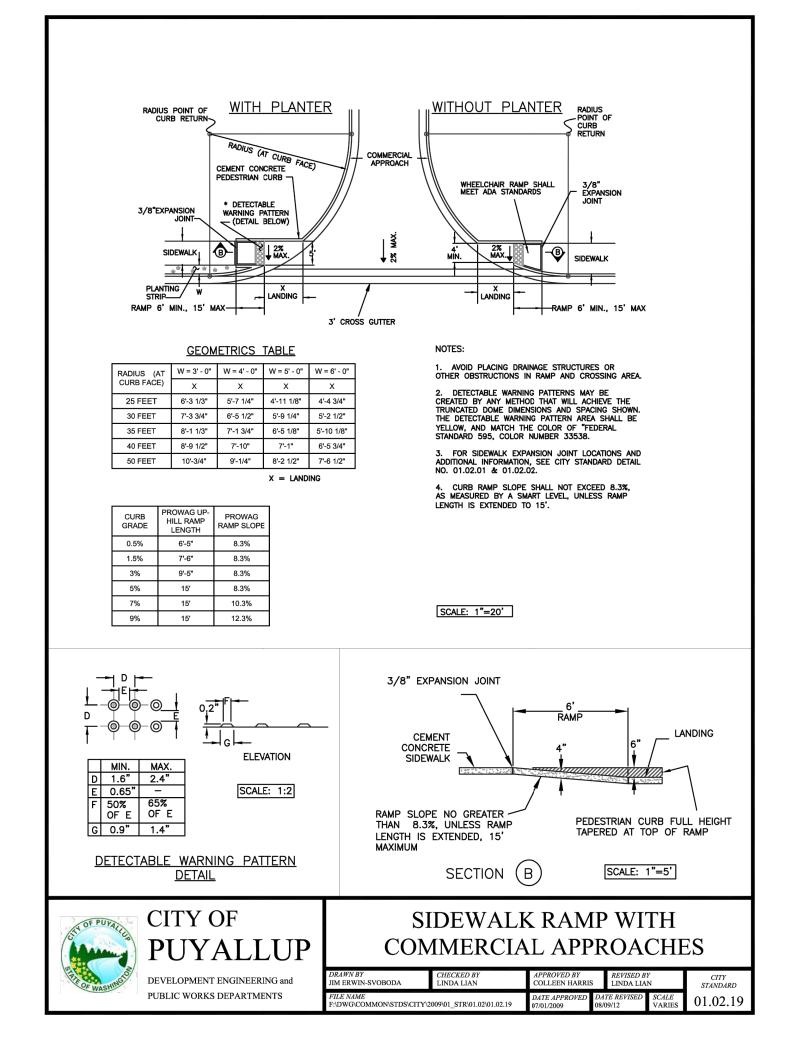
22 of 44 Sheets

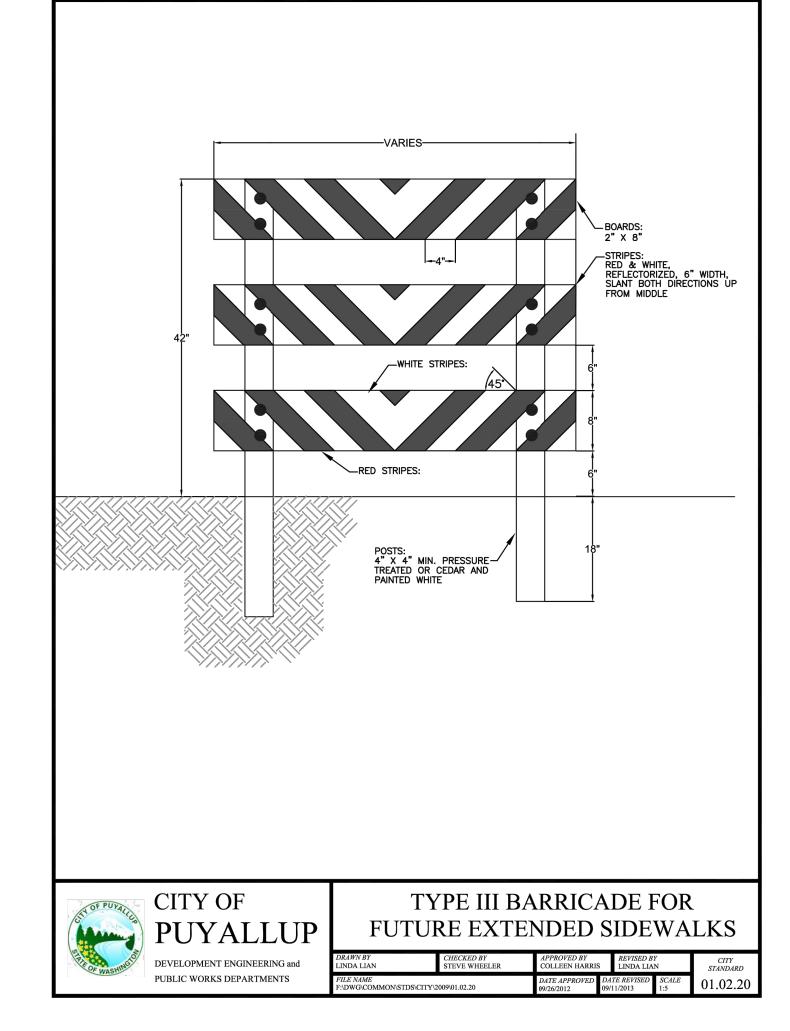
DEVELOPMENT ENGINEERING and

Know what's **below**.

SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.









CITY OF PUYALLUP
DEVELOPMENT ENGINEERING

DATE ____

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE

DEVELOPMENT ENGINEERING

MANAGER.



2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

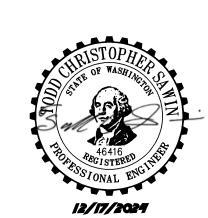
<u>Project No.</u>

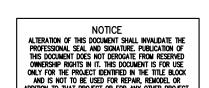
Issue Set & Date:

PERMIT SUBMITTAL

2230752

12/16/2024





<u>/4\</u>	
A	
<u> </u>	
۵	

Sheet Title:

Sheet No.

Revisions:

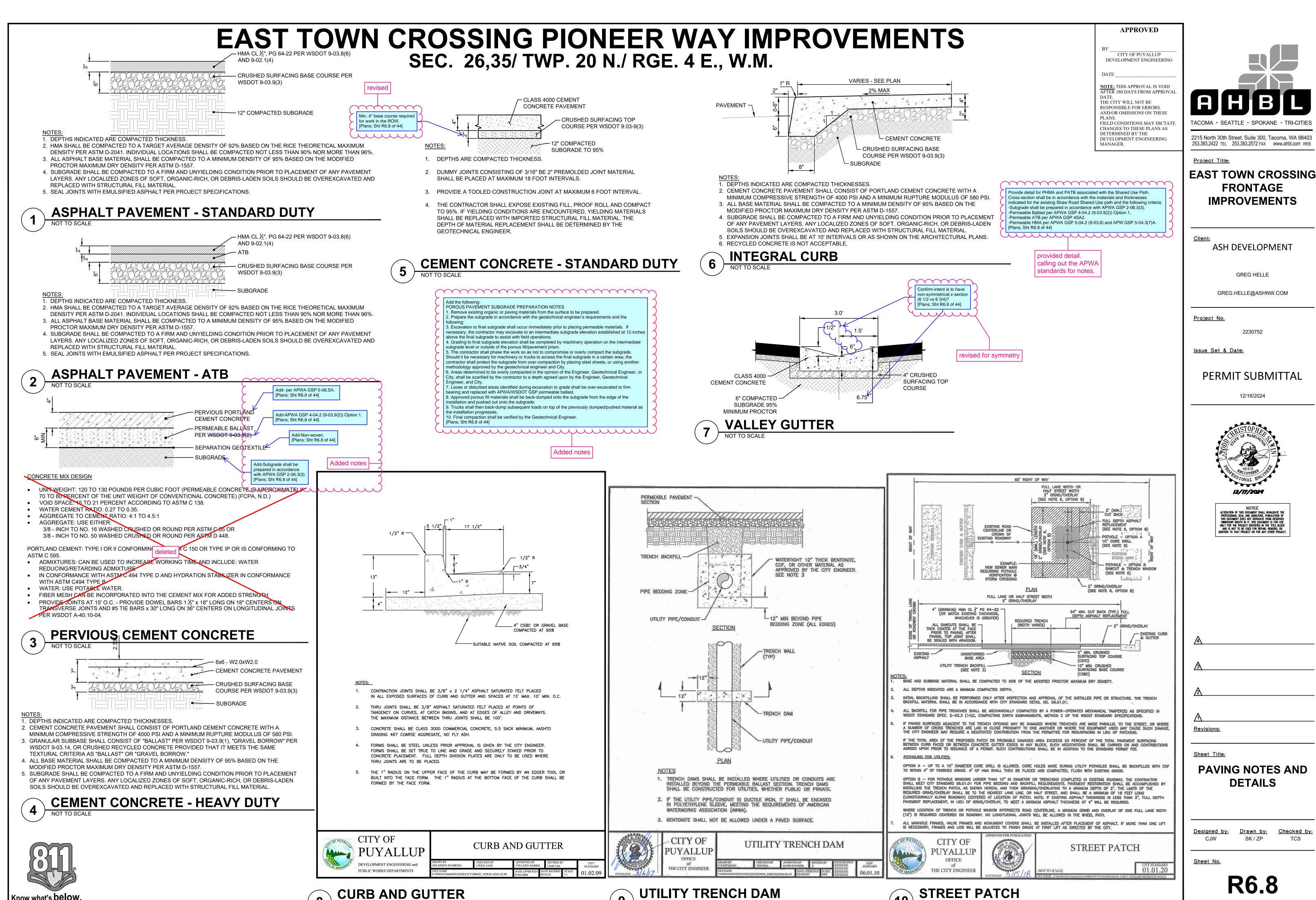
CHANNELIZATION DETAILS

Designed by: Drawn by: Checked by:

R6.7

23 of 44 Sheets

Know what's below.
Call before you dig.



DATE: December 17, 2024 FILENAME: Q:\2023\2230752\10 CIV\CAD\2230752-SH-OFF-DETL.dwg

Know what's below.

Call before you dig.

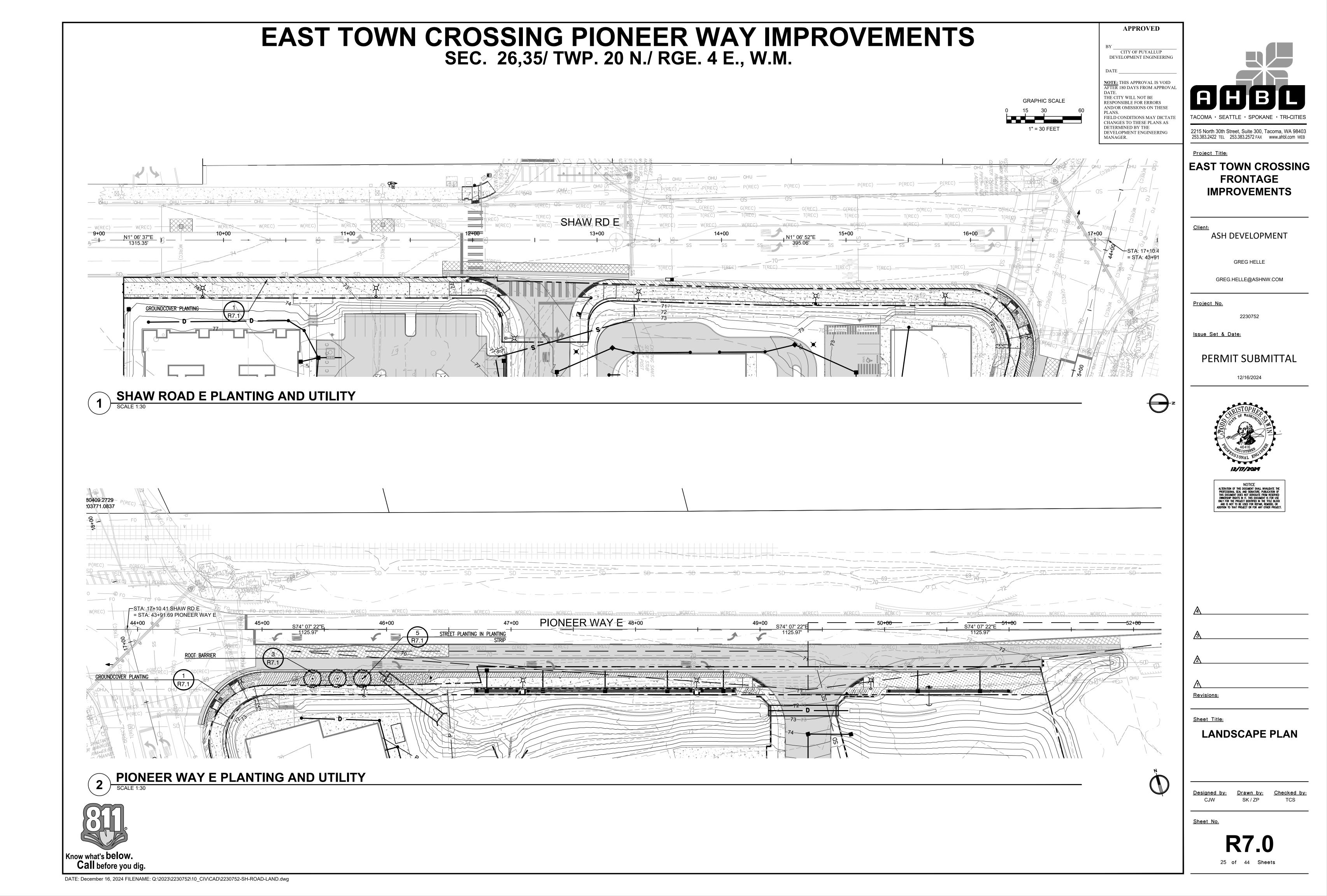
STREET PATCH

2230752

12/16/2024

SK / ZP

24 of 44 Sheets

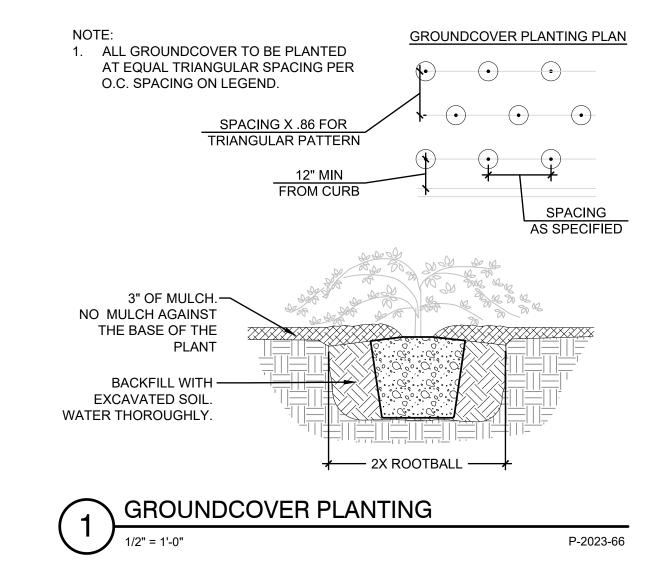


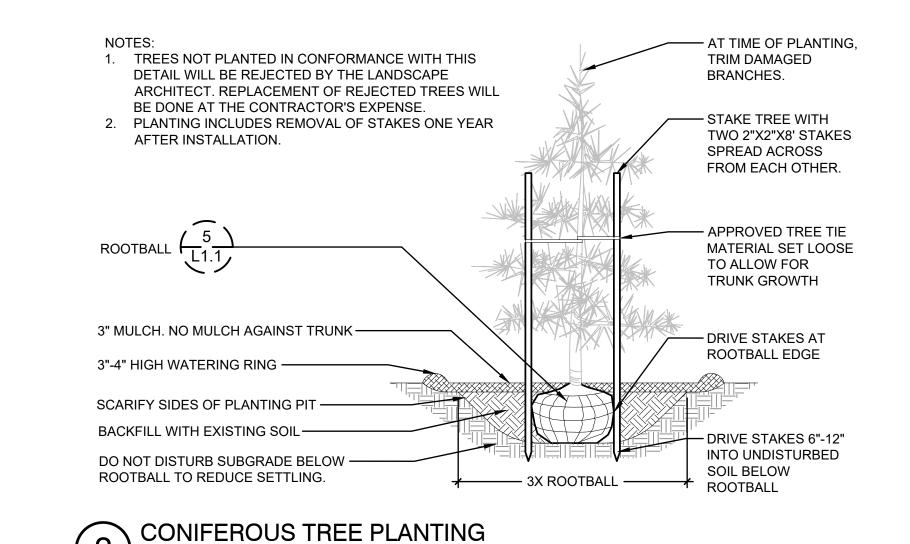
EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

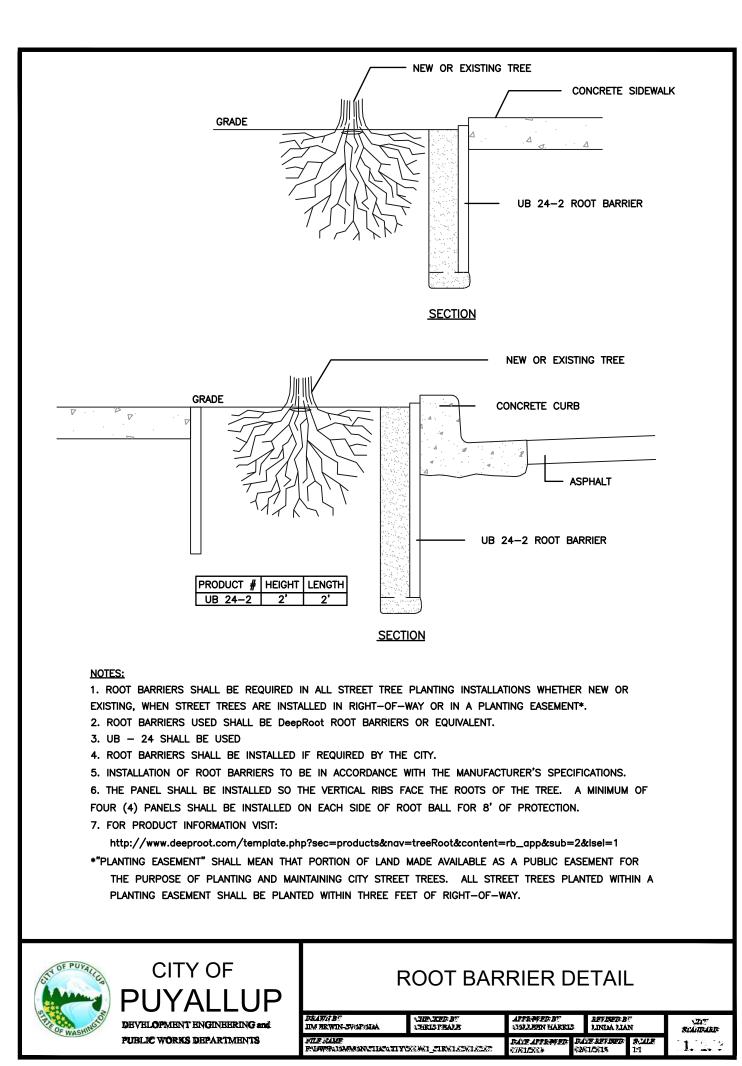
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

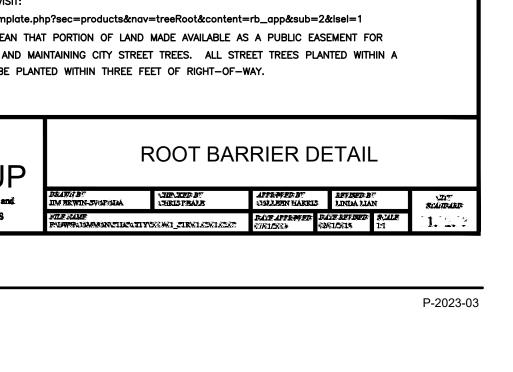
PLANT SCHEDULE

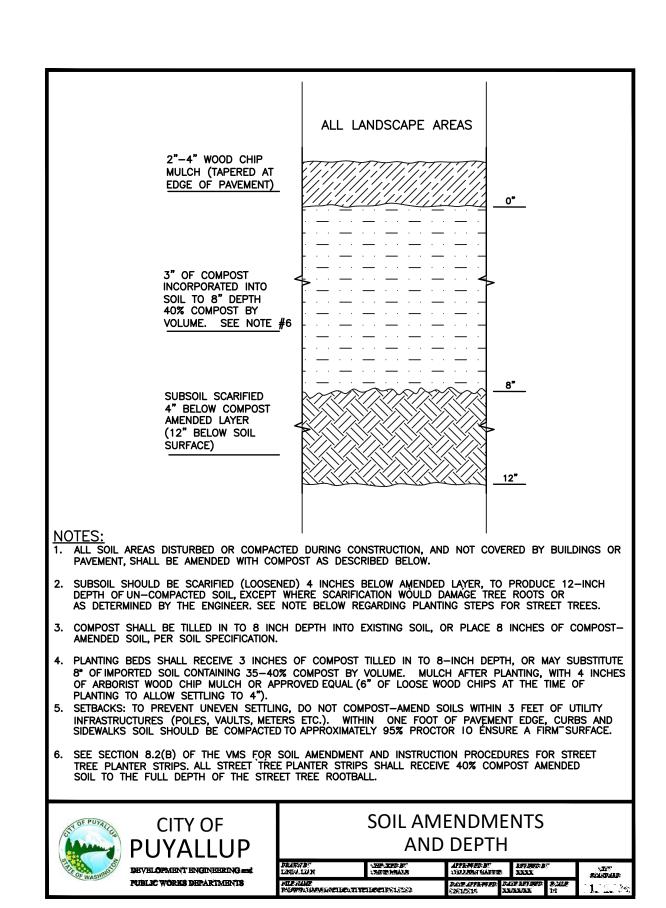
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONTAINER		<u>QTY</u>
TREES						
$\langle \cdot \rangle$	CDE	CALOCEDRUS DECURRENS	INCENSE CEDAR	6` HT MIN.		3
بسالس						
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT		<u>QTY</u>
SHRUBS						
<u> </u>	HS	HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	1 GAL		31
•	LV	LAVANDULA ANGUSTIFOLIA 'MUNSTEAD'	MUNSTEAD ENGLISH LAVENDER	2 GAL		11
0	MQ	MAHONIA AQUIFOLIUM 'COMPACTA'	COMPACT OREGON GRAPE	2 GAL		32
SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	CONT.	SPACING	<u>QTY</u>
GROUND	COVERS					
		FRONTAGE GROUNDCOVER A				2,991 SF
	NK	NARCISSUS X 'KING ALFRED'	KING ALFRED DAFFODIL	1 GAL	50% @ 30" o.c.	244
	R3	ROSA X `RADRAZZ`	KNOCK OUT® SHRUB ROSE	1 GAL	50% @ 30" o.c.	244
		LAWN				2,021 SF
	LH	LAWN MIX HYDROSEED	HYDROSEED LAWN MIX	HYDROSEED		2,021 SF
		FRONTAGE GROUNDCOVER B				2,156 SF
	AU	ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	1 GAL	50% @ 30" o.c.	179
<i>[]]]]]]]]]</i>]	NK2	NARCISSUS X 'KING ALFRED'	KING ALFRED DAFFODIL	1 GAL	50% @ 30" o.c.	179



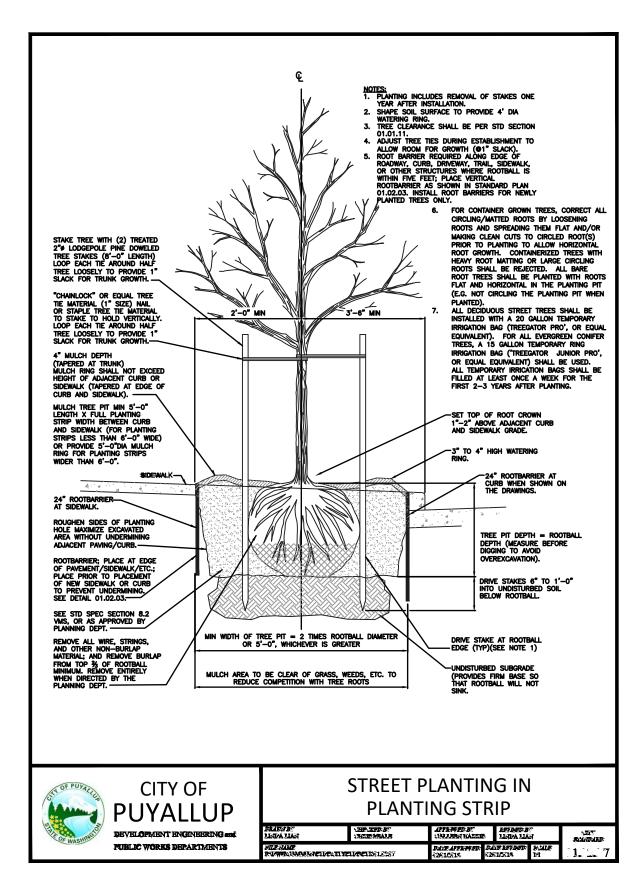


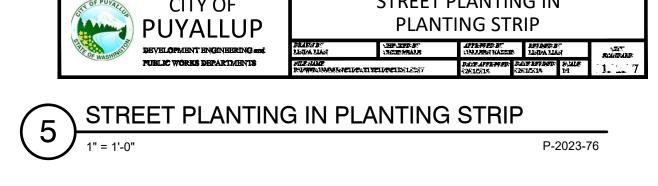














2215 North 30th Street, Suite 300, Tacoma, WA 98403 253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

APPROVED

CITY OF PUYALLUP

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVA

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

DEVELOPMENT ENGINEERING

THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

DETERMINED BY THE

PLANS.

MANAGER.

DEVELOPMENT ENGINEERING

EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

ASH DEVELOPMENT

GREG.HELLE@ASHNW.COM

GREG HELLE

<u>Project No.</u>

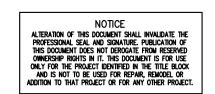
2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024





A
A
Λ
Revisions:

LANDSCAPE NOTES

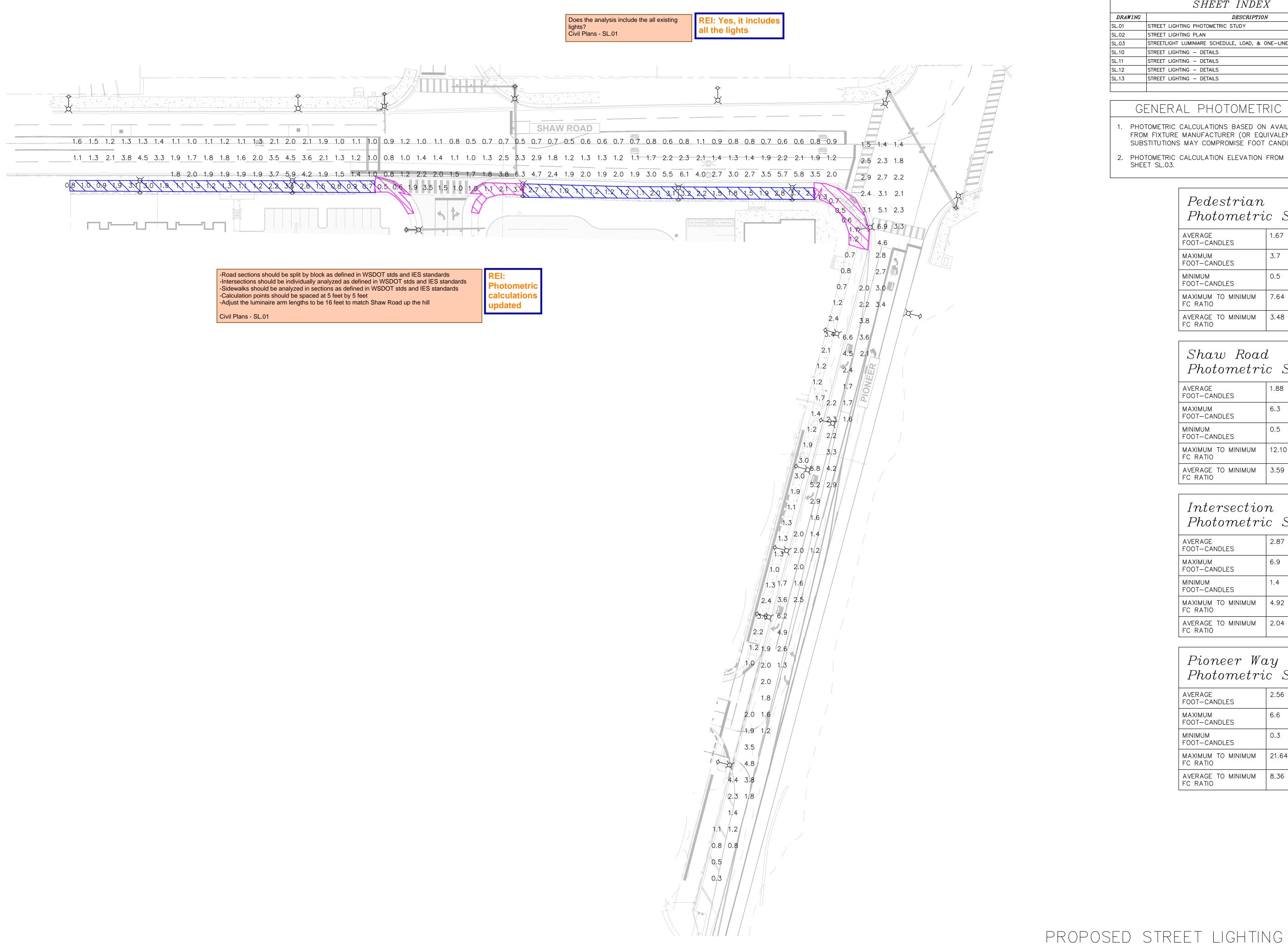
<u>Drawn by:</u> <u>Checked by:</u> SK / ZP

Sheet No.

Sheet Title:

26 of 44 Sheets

Know what's below.



	SHEET INDEX
DRAWING	DESCRIPTION
SL.01	STREET LIGHTING PHOTOMETRIC STUDY
SL.02	STREET LIGHTING PLAN
SL.03	STREETLIGHT LUMINIARE SCHEDULE, LOAD, & ONE-LINE DIAGRAM
SL.10	STREET LIGHTING - DETAILS
SL.11	STREET LIGHTING - DETAILS
SL.12	STREET LIGHTING - DETAILS
SL.13	STREET LIGHTING - DETAILS

GENERAL PHOTOMETRIC NOTES

- PHOTOMETRIC CALCULATIONS BASED ON AVAILABLE IES FILES FROM FIXTURE MANUFACTURER (OR EQUIVALENT). FIXTURE SUBSTITUTIONS MAY COMPROMISE FOOT CANDLE (FC) LEVELS.
- 2. PHOTOMETRIC CALCULATION ELEVATION FROM POLE HEIGHT SHEET SL.03.

PedestrianPhotometric Schedule

AVERAGE FOOT-CANDLES	1.67
MAXIMUM FOOT-CANDLES	3.7
MINIMUM FOOT-CANDLES	0.5
MAXIMUM TO MINIMUM FC RATIO	7.64
AVERAGE TO MINIMUM FC RATIO	3.48

Shaw Road Photometric Schedule

AVERAGE FOOT-CANDLES	1.88
MAXIMUM FOOT—CANDLES	6.3
MINIMUM FOOT-CANDLES	0.5
MAXIMUM TO MINIMUM FC RATIO	12.10
AVERAGE TO MINIMUM FC RATIO	3.59

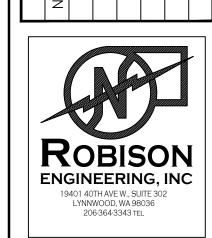
IntersectionPhotometric Schedule

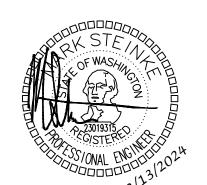
AVERAGE FOOT-CANDLES	2.87
MAXIMUM FOOT-CANDLES	6.9
MINIMUM FOOT-CANDLES	1.4
MAXIMUM TO MINIMUM FC RATIO	4.92
AVERAGE TO MINIMUM FC RATIO	2.04

Pioneer Way Photometric Schedule

Pnotometri	c Scheaule
AVERAGE FOOT—CANDLES	2.56
MAXIMUM FOOT-CANDLES	6.6
MINIMUM FOOT-CANDLES	0.3
MAXIMUM TO MINIMUM FC RATIO	21.64
AVERAGE TO MINIMUM FC RATIO	8.36

PHOTOMETRIC STUDY





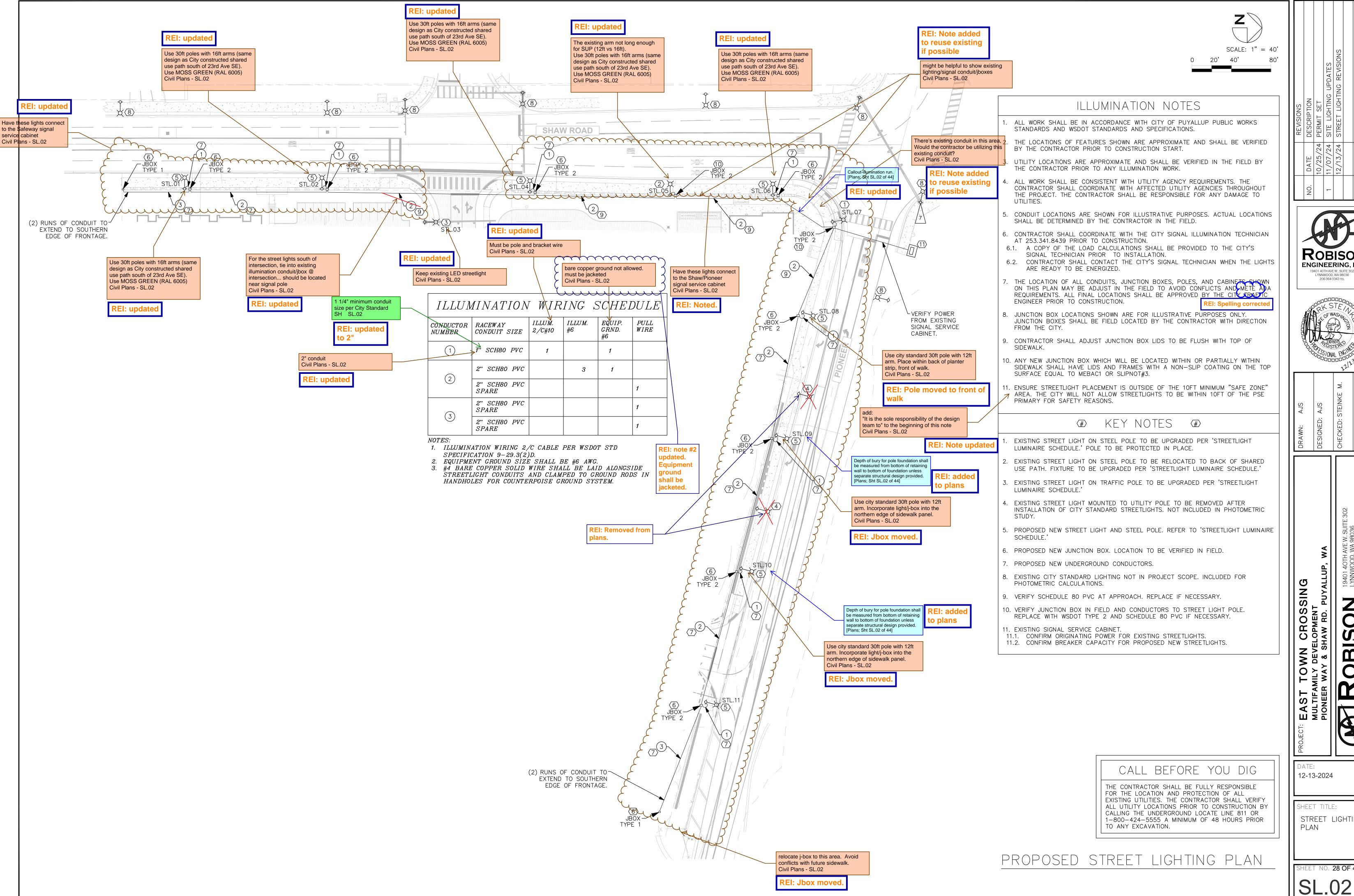
	1		
DESIGNED: AJS	CHECKED: STEINKE M.	APPROVED: STEINKE M.	

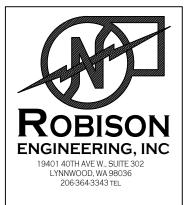


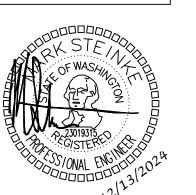
12-13-2024

STREET LIGHTING PHOTOMETRIC STUDY

SHEET NO. **27 OF 44**



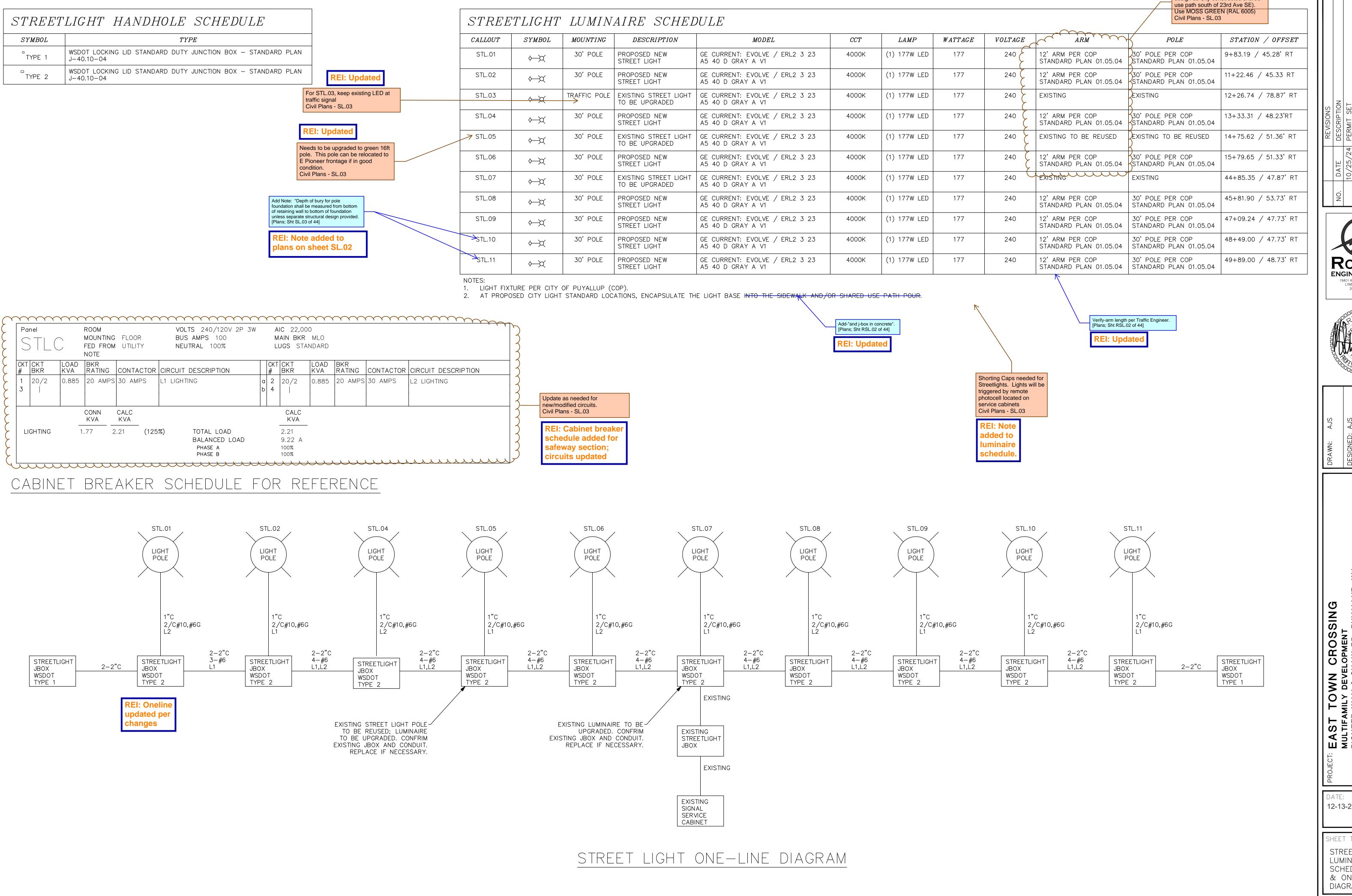




12-13-2024

SHEET TITLE: STREET LIGHTING

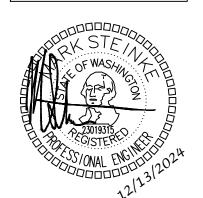
HEET NO. **28 OF 44**



STL.01,2,4,5,6

Use 30ft poles with 16ft arms same





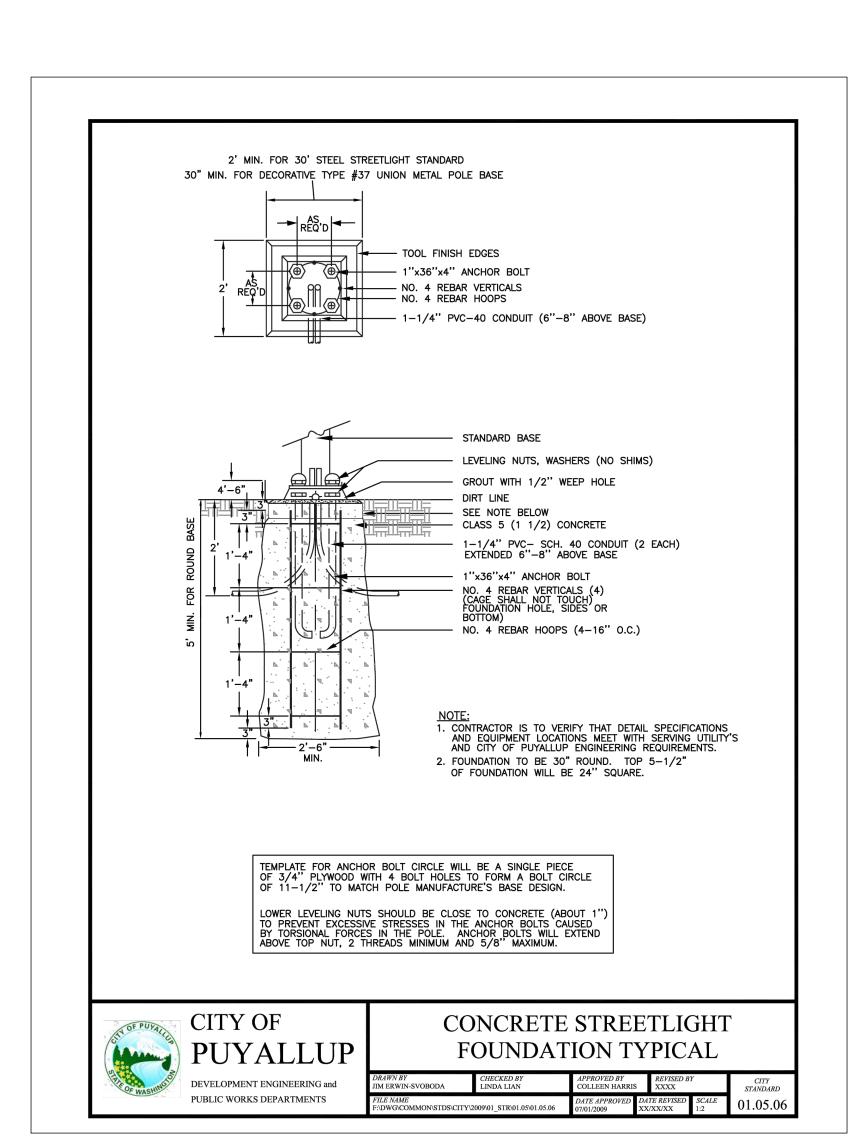
12-13-2024

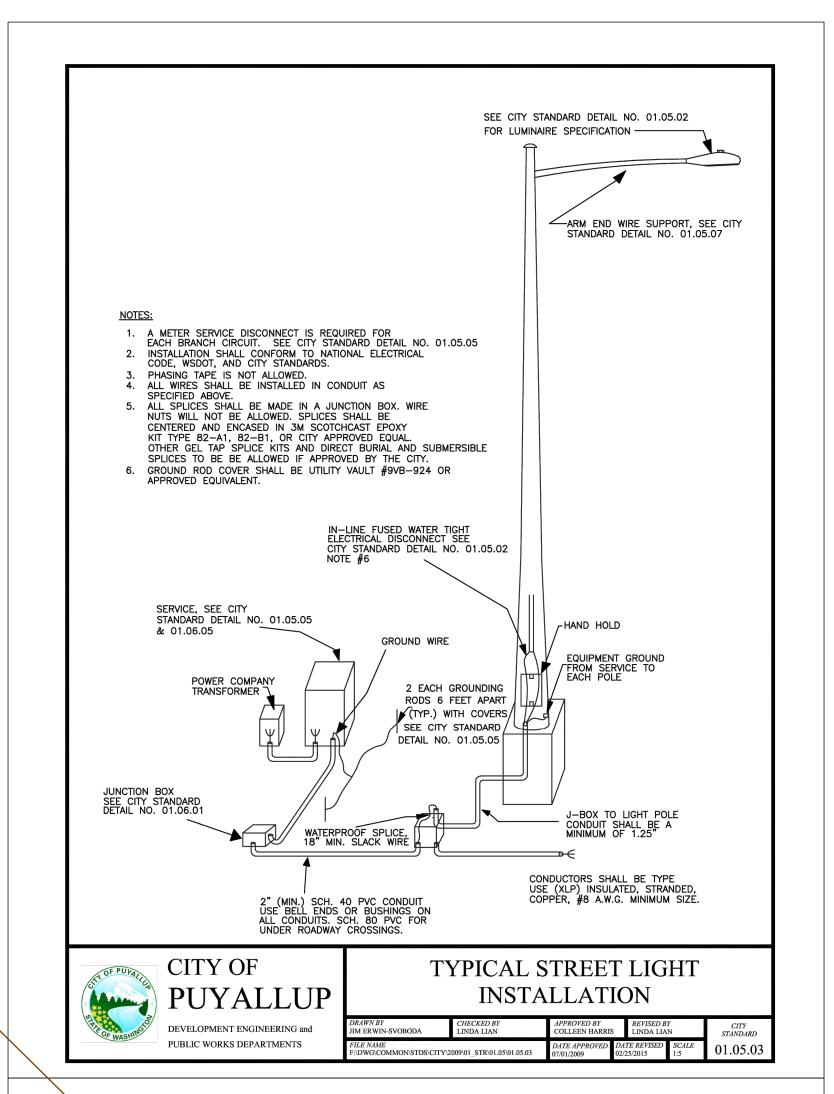
SHEET TITLE: STREETLIGHT LUMINIARE SCHEDULE, LOAD, & ONE-LINE DIAGRAM

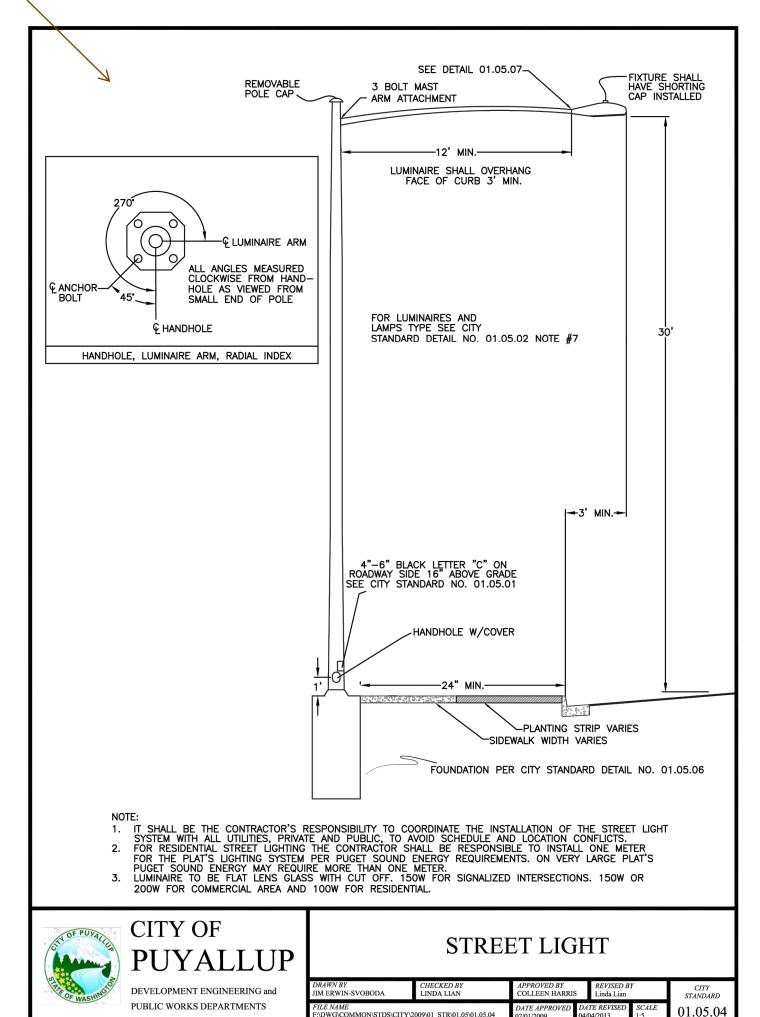
SHEET NO. **29 OF 44** SL.03

To be used for E Pioneer lights Civil Plans - SL.10

El: Is this standard still plicable for all poles sinc ne standard lists a 12' imum arm length?







STREET LIGHTING SPECIFICATIONS

1. 30-FOOT STEEL STREETLIGHT STANDARD

STREETLIGHT STANDARDS SHALL PROVIDE A FIXTURE MOUNTING HEIGHT OF 30'0" PLUS OR MINUS 6" WITH A TYPICAL 12 FOOT MAST ARM WITH A THREE FOOT OVERHANG.

BASE PLATE SHALL HAVE SLOTTED HOLES TO ACCOMMODATE 1-INCH ANCHOR BOLTS, AND 11 1/2" BOLT CIRCLE WITH MINIMUM CLEARANCE OF 1" BETWEEN

HANDHOLE CENTER SHALL BE LOCATED APPROXIMATELY 12 INCHES FROM THE BASE PLATE, ROTATED 270 DEGREES FROM MAST ARM SO AS THE HANDHOLE IS LOCATED ON THE SIDE OPPOSING ONCOMING TRAFFIC.

POLES SHALL MEET ALL STRENGTH REQUIREMENTS OF AASHTO FOR 90 MPH ISOTACH WHEN USED WITH A LUMINAIRE WEIGHING 48 POUNDS WITH A E.P.A. OF 1.1 SQUARE FEET. ALL ATTACHING BOLTS AND SCREWS THAT ARE NOT GALVANIZED SHALL BE STAINLESS STEEL.

THE POLES AND ALL HARDWARE SAHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.

- d. MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
- e. EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
- f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.

ANCHORAGE

- a. POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"X36"X4" #8UNC WITH HOT DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.
- b. A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.

CONDUIT

ALL CONDUIT SHALL BE BURIED A MINIMUM OF 24 INCHES DEEP. ALL ROADWAY CROSSINGS SHALL BE RIGID METALLIC OR SCHEDULE 80 PVC. CONDUIT SHALL CONFORM TO SECTION 9-29 OF WSDOT STANDARD SPECIFICATIONS. SCHEDULE 80 PVC MAY BE USED IN LOCATIONS OTHER THAN ROADWAY CROSSINGS.



CITY OF **PUYALLUP**

DEVELOPMENT ENGINEERING and

STREET LIGHT **SPECIFICATIONS**

01.05.01

(STR LIGHT SPECS CONTINUED)

4. JUNCTION BOXES (WHEN REQUIRED)

JUNCTION BOXES SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS. THEY WILL CONFORM TO WSDOT STANDARD PLAN J-40.10-02, TYPE 1. THEY SHALL BE LEVEL WITH THE SIDEWALK GRADE AND FIRMLY BEDDED TO PREVENT FUTURE SETTLING. JUNCTION BOXES ARE PREFERRED NOT TO BE INSTALLED IN THE SIDEWALK. THE COVER SHALL BE GALVANIZED AND GROUNDED. THE LETTERS "LT" SHALL BE ETCHED ON THE COVER. (SEE CITY STANDARD DETAIL NO. 01.06.01). IF THE JUNCTION BOX IS NOT IN THE SIDEWALK THEN IT SHALL HAVE A CONCRETE COLLAR. IF THE JUNCTION BOX IS IN THE SIDEWALK THEN IT SHALL HAVE A NON—SLIP SURFACE TREATMENT. SEE CITY STANDARD DETAIL NO. 01.06.01.

CONDUCTORS, WIRES, ETC.

WIRE CONDUCTORS FOR UNDERGROUND FEEDER RUNS AND FOR CIRCUITRY FROM THE IN-LINE FUSE IN THE POLES TO THE JUNCTION BOX SHALL BE 600 VOLT, SINGLE CONDUCTOR STRANDED COPPER AND INSULATED WITH USE GRADE POLYVINYL CHLORIDE COMPOUND (XLP) OR APPROVED EQUAL IN ACCORDANCE WITH THE INSULATED POWER CABLE ENGINEER'S ASSOCIATION SPECIFICATIONS. AN AWG NO. 8 GREEN INSULATED STRANDED COPPER WIRE WILL BE RUN TO THE SERVICE GROUND LUG ON EACH POLE. FEEDERS SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. WIRES INSIDE THE POLE BETWEEN BALLAST AND IN-LINE FUSES SHALL BE ROME 2C AWG 10 STRANDED POLE AND BRACKET WIRE OR APPROVED EQUAL. SPLICES WILL BE ALLOWED IN JUNCTION BOXES AND POLE BASES ONLY. NO MORE THAN 2 CONDUITS WILL BE ALLOWED INSIDE THE STREET POLE.

LUMINARE FUSING AND ELECTRICAL CONNECTIONS AT LIGHT STANDARD BASES SHALL CONFORM TO SECTION 9-29.7 OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS AND AS SHOWN ON THE UNIFORM LUMINARE WIRING DETAIL IN THE APPENDIX. IN-LINE FUSE HOLDERS SHALL BE SEC MODEL 1791-SF WITH FNM-5 FUSES OR APPROVED EQUAL. (REFER TO CITY STANDARD DETAIL NO. 01.06.01)

7. LUMINAIRES AND LAMPS

RESIDENTIAL STREETS AND NEIGHBORHOOD COLLECTORS: LEOTEK LED GC1-40E-MV-NW-2-530 (67 WATT LED)

ARTERIALS AND COMMERCIAL COLLECTORS: GE EVOLVE LED ERS2-E-0-HX-EX-5-40 (130 WATT LED)

THE CITY WILL ENERGIZE THE STREET LIGHTS WHEN A HOME IS OCCUPIED ADJACENT TO A STREET LIGHT OR IMMEDIATELY ACROSS THE STREET. AT THE DEVELOPER'S REQUEST, STREET LIGHTS MAY BE ENERGIZED PRIOR TO OCCUPANCY OF HOMES. HOWEVER, THE DEVELOPER OR BUILDER SHALL ASSUME FULL RESPONSIBILITY FOR ELECTRICAL POWER COSTS AND REPAIR COSTS DUE TO VANDALISM, THEFT, OR CONSTRUCTION.

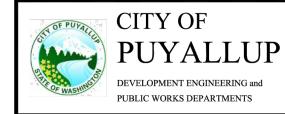
8. SAFE WIRING LABELS

THE CONTRACTOR IS ADVISED THAT SAFE WIRING LABELS REQUIRED BY LABOR AND INDUSTRIES SHALL APPLY ON THIS PROJECT. (ELECTRICAL INSPECTION STICKER)

THE CONTRACTOR SHALL SURRENDER TO THE CITY OF PUYALLUP ANY GUARANTEE OR WARRANTY ACQUIRED BY HIM AS A NORMAL TRADE PRACTICE IN CONNECTION WITH THE PURCHASE OF ANY MATERIALS OR ITEMS USED IN THE CONSTRUCTION OF THE ILLUMINATION.

LOCATION

SEE CITY STANDARD SECTION 01.01 ROADWAY DESIGN.



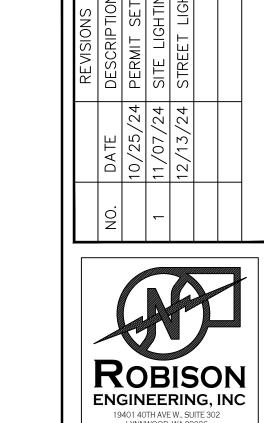
STREET LIGHT SPECIFICATIONS (CONT.)

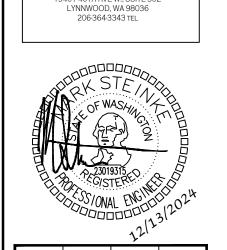
01.05.02

HEET NO. **30 OF 44**

STREET LIGHTING

SL.10





SIN

| の]

CRO OPME

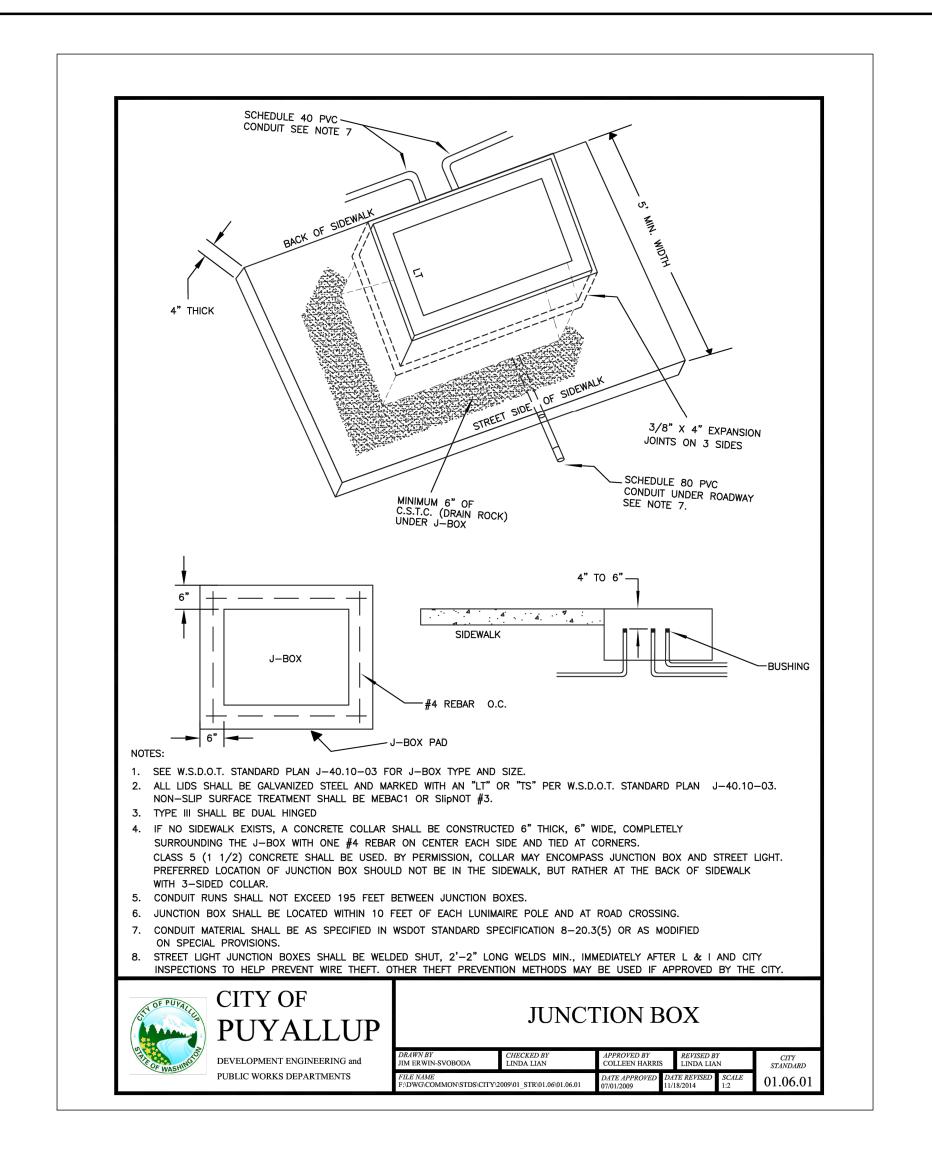
(y)

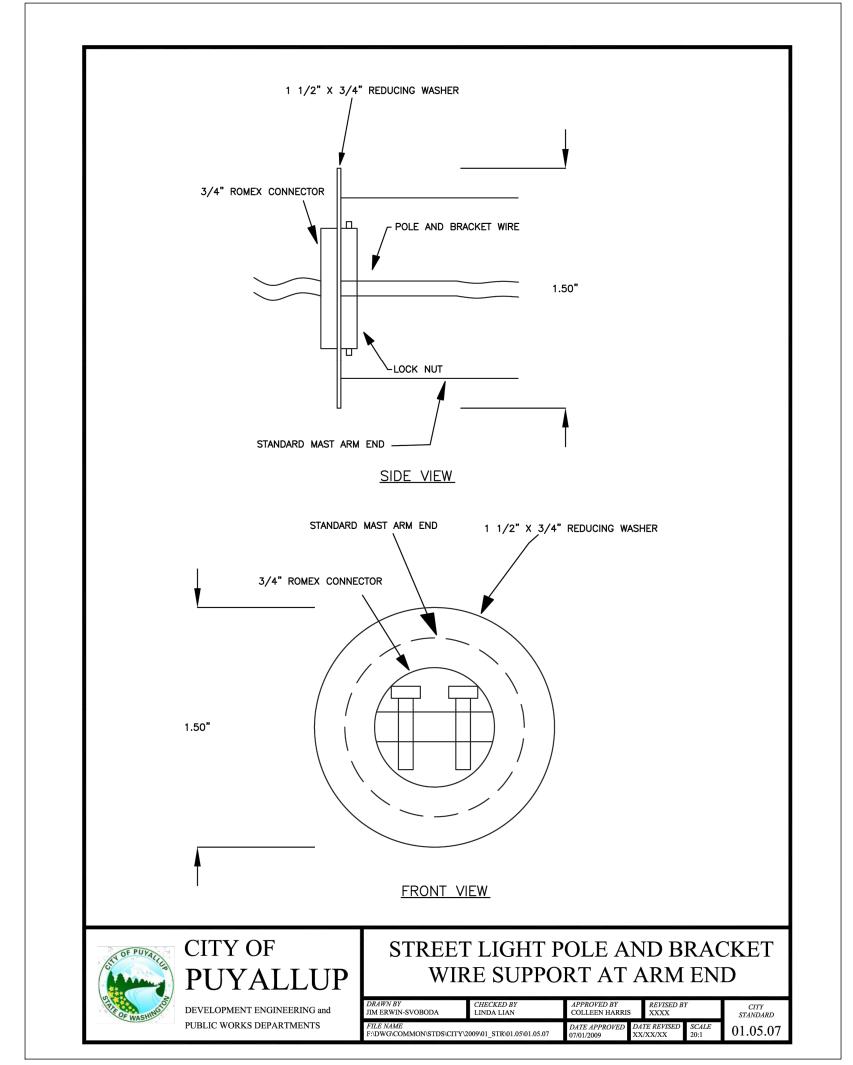
12-13-2024

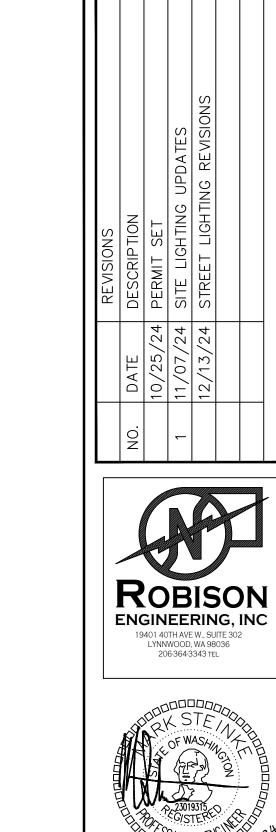
SHEET TITLE:

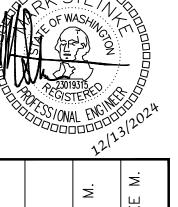
DETAILS











DESIGNED: AJS
CHECKED: STEINKE M.
APPROVED: STEINKE M.

CHE CHE

401 40TH AVE W. SUITE 302 YNNWOOD, WA 98036 HONE:(206)364-3343

R WAY & SHAW RD. PUYALLUP,

R DBISON 19401 401

PHONE:(20

PIONEER

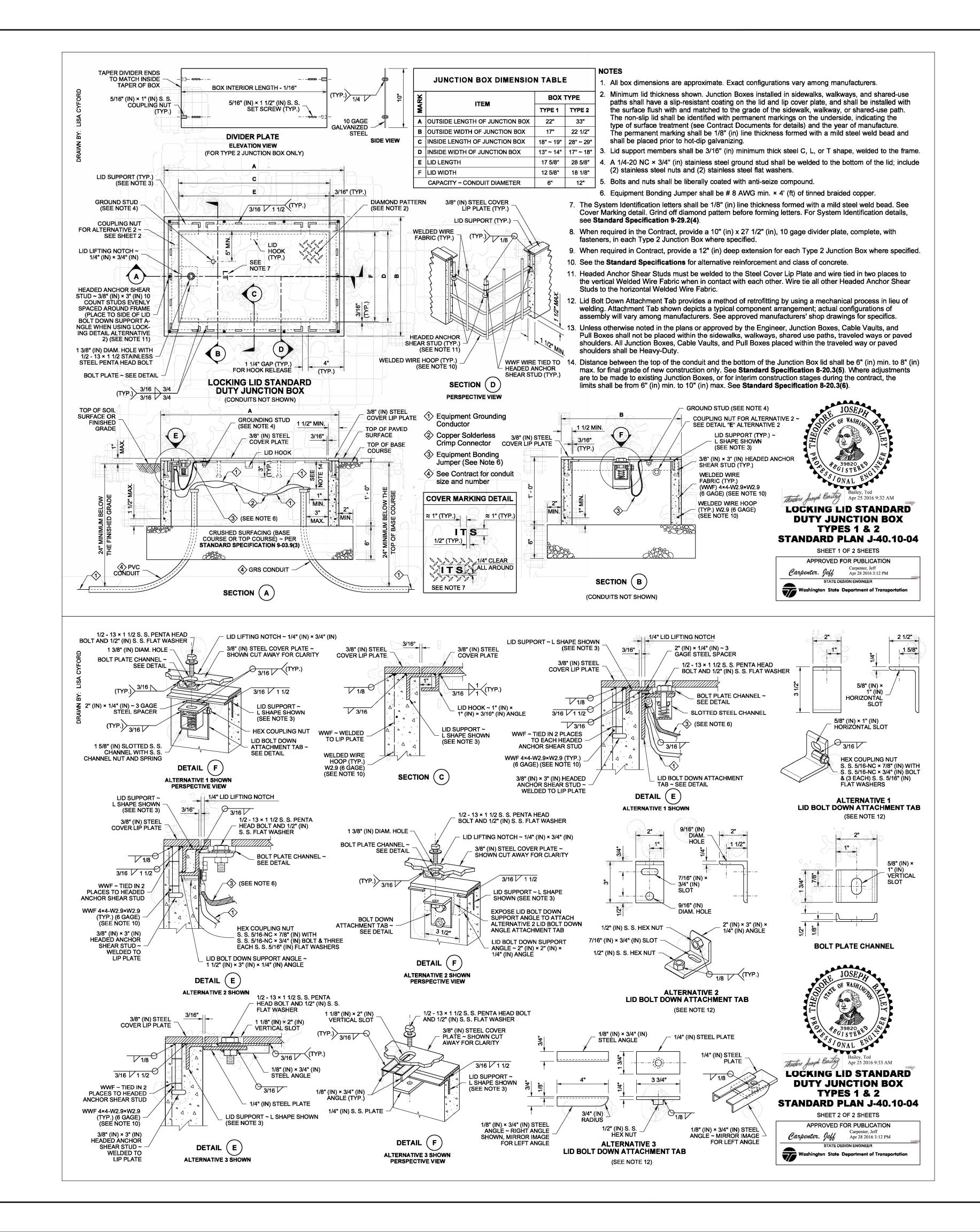
DATE: **12-13-2024**

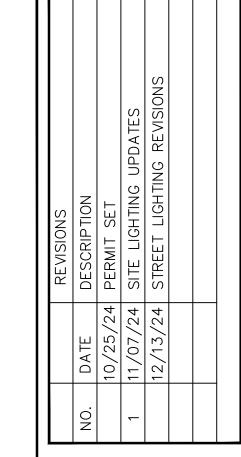
SHEET TITLE:

STREET LIGHTING

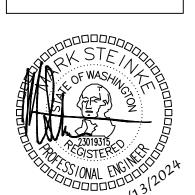
— DETAILS

SHEET NO. **31 OF 44**











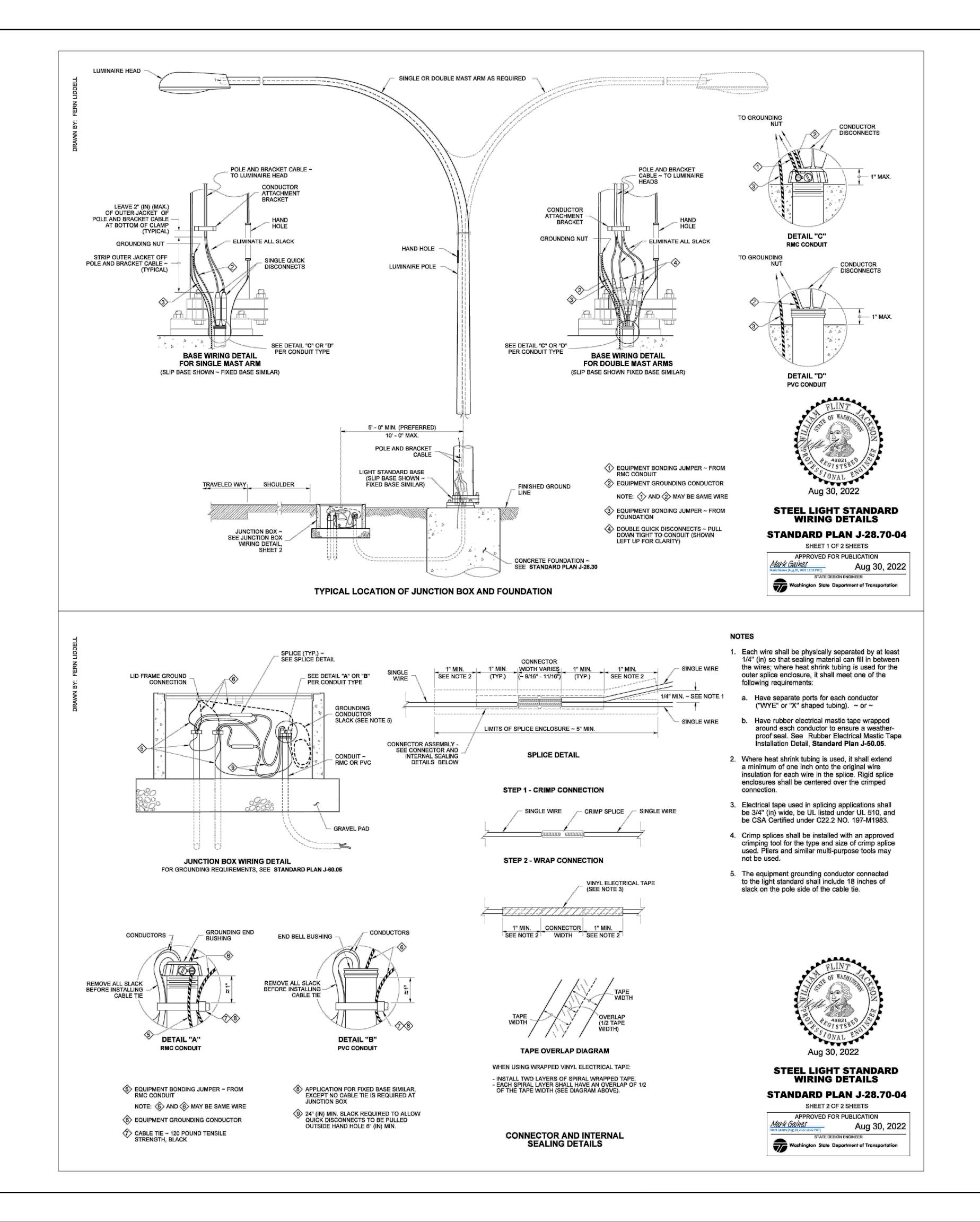
12-13-2024

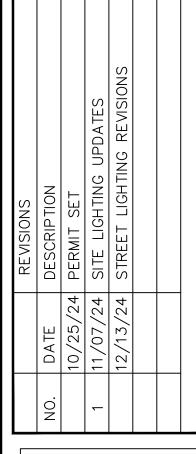
NIS NIS

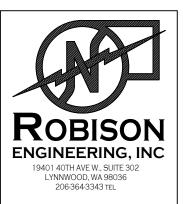
S

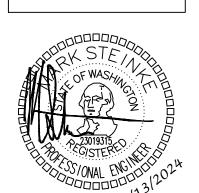
HEET TITLE: STREET LIGHTING DETAILS

HEET NO. **32 OF 44**









ESIGNED: AJS
HECKED: STEINKE M.
RPROVED: STEINKE M.

TE 302

11 40TH AVE W. SUITE NWOOD, WA 98036 NF:(206)364-3343

OBISON 1940 LYNN GINEERING, INC

ROBENGINEE

DATE: **12-13-2024**

SING

| の | |

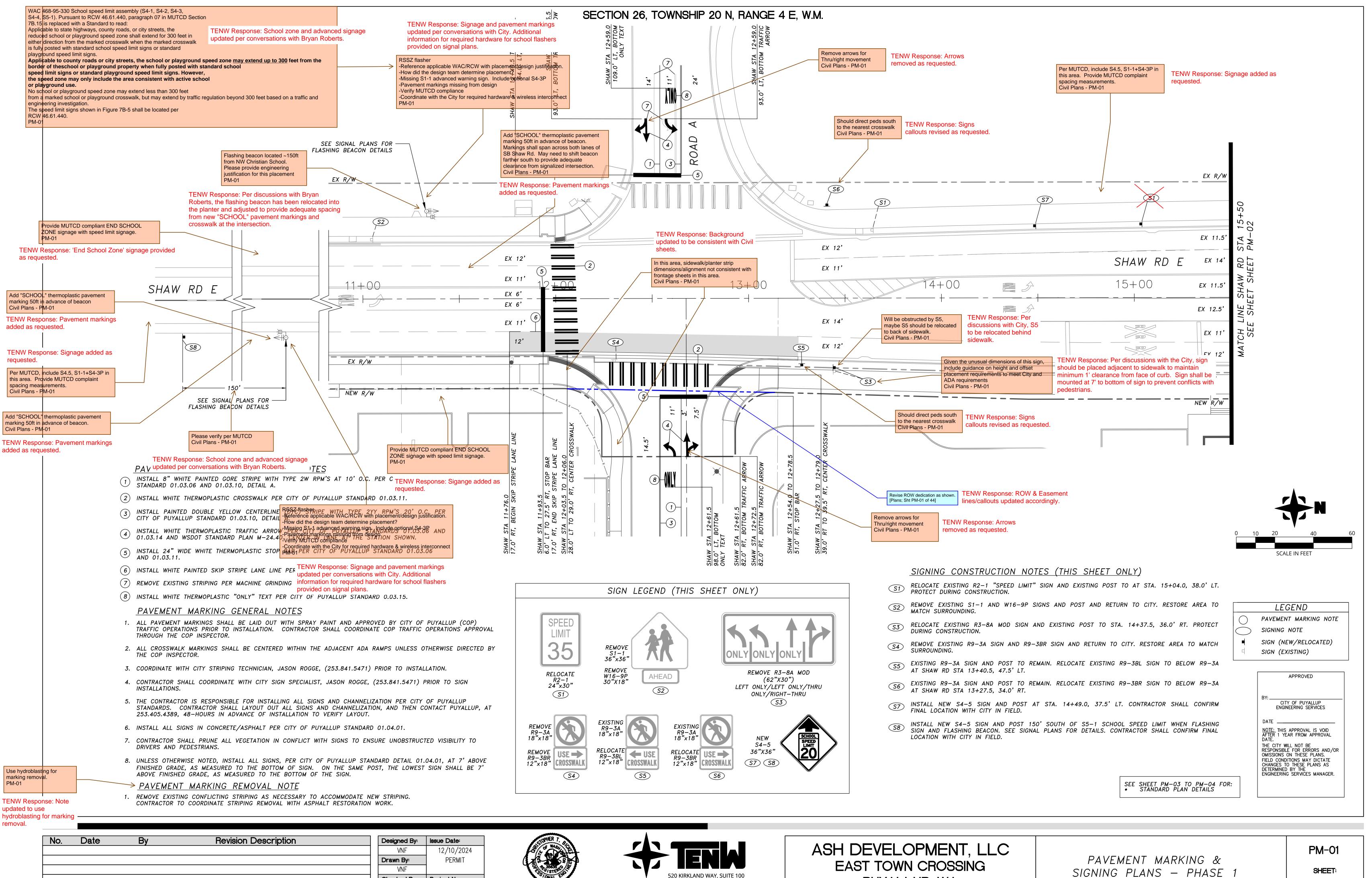
CRO

SHEET TITLE:

STREET LIGHTING

— DETAILS

SHEET NO. **33 OF 44**



TREVOR TAKARA, P.E. TAKARA@TENW.COM | 206-914-3843

KIRKLAND, WA, 98033

Checked By:

Project No.:

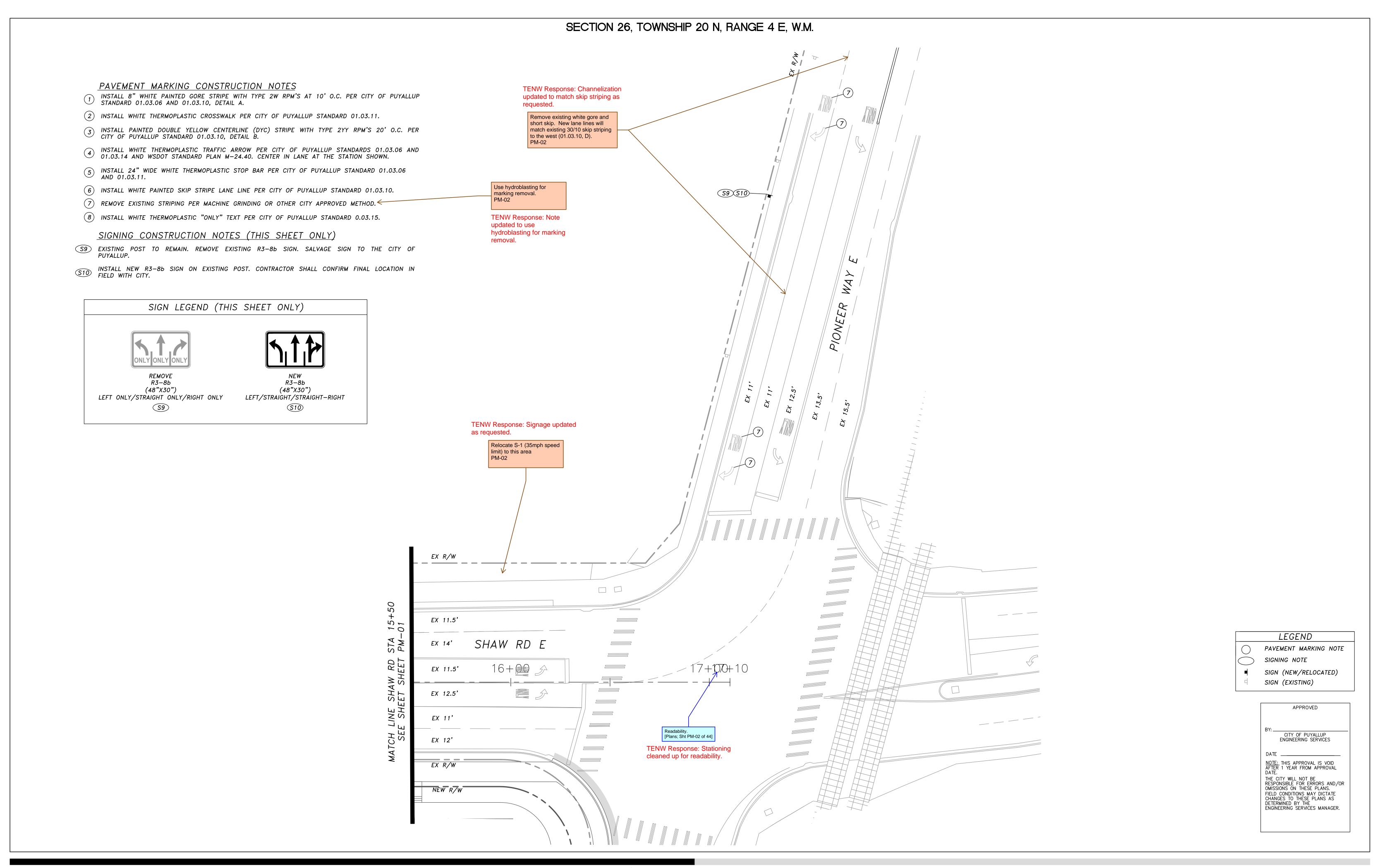
2022-295

12-10-2024

PUYALLUP, WA

SIGNING PLANS - PHASE

OF



No.	Date	By	Revision Description	Designed By:	Issue Date:
				VNF	12/10/20
				Drawn By:	PERMIT
				VNF	
				Checked By:	Project No.:
				TTT	2022-29



12/10/2024

2022-295

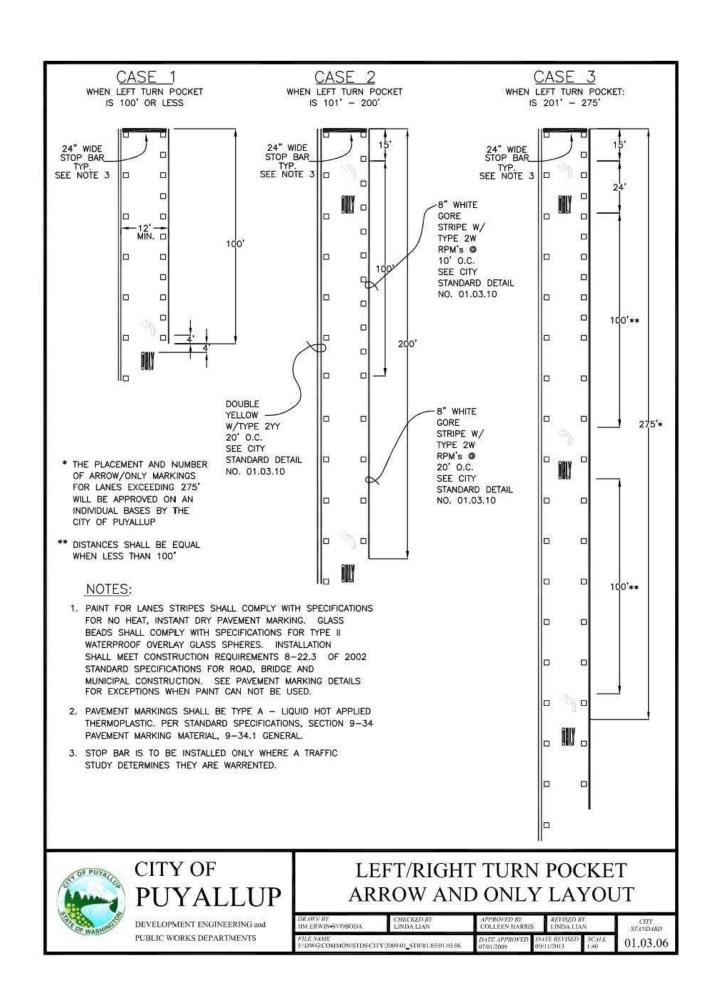


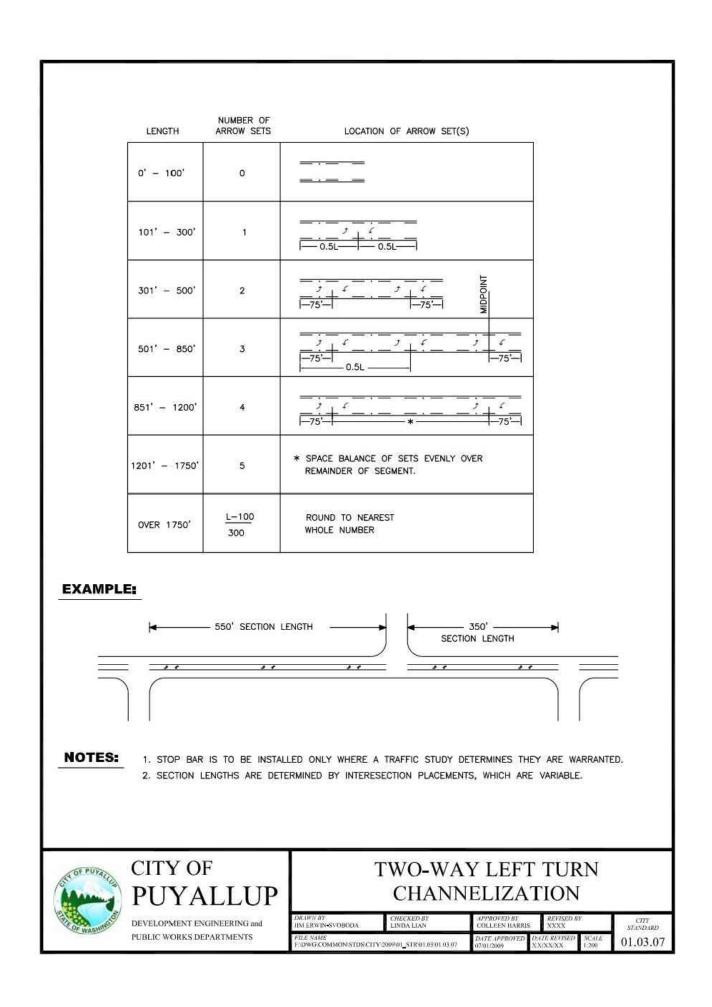
ASH DEVELOPMENT, LLC EAST TOWN CROSSING PUYALLUP, WA

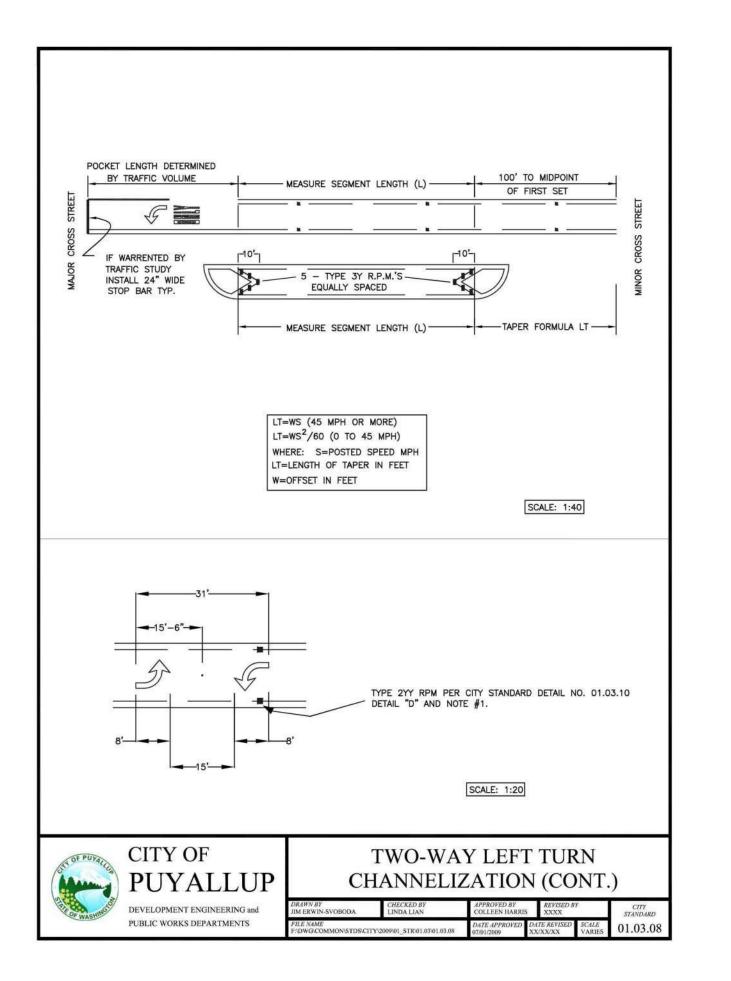
PAVEMENT MARKING & SIGNING PLANS

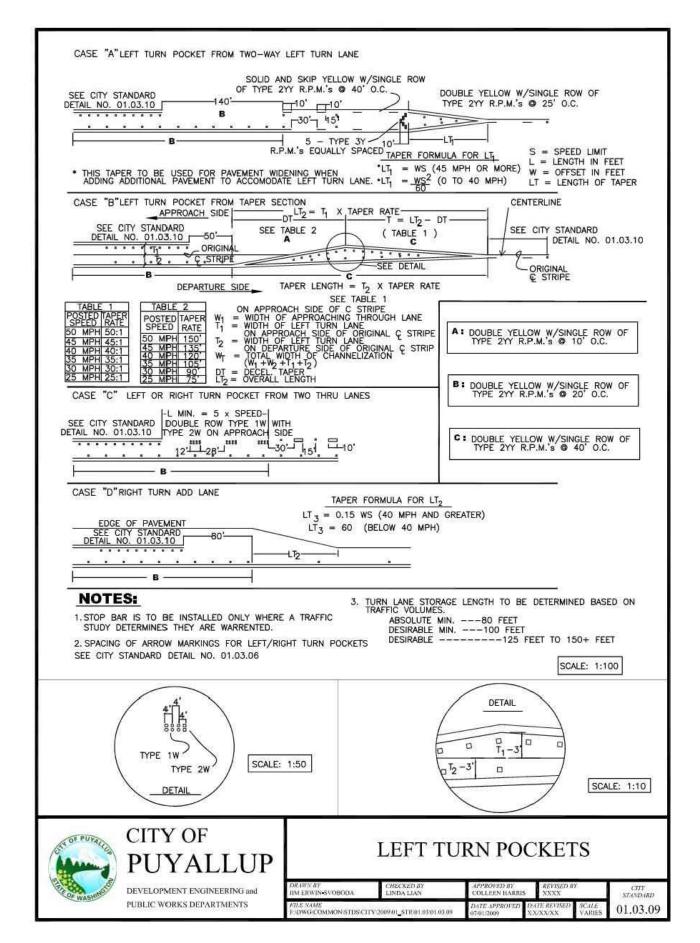
PM-02 SHEET: 35 **OF** 44

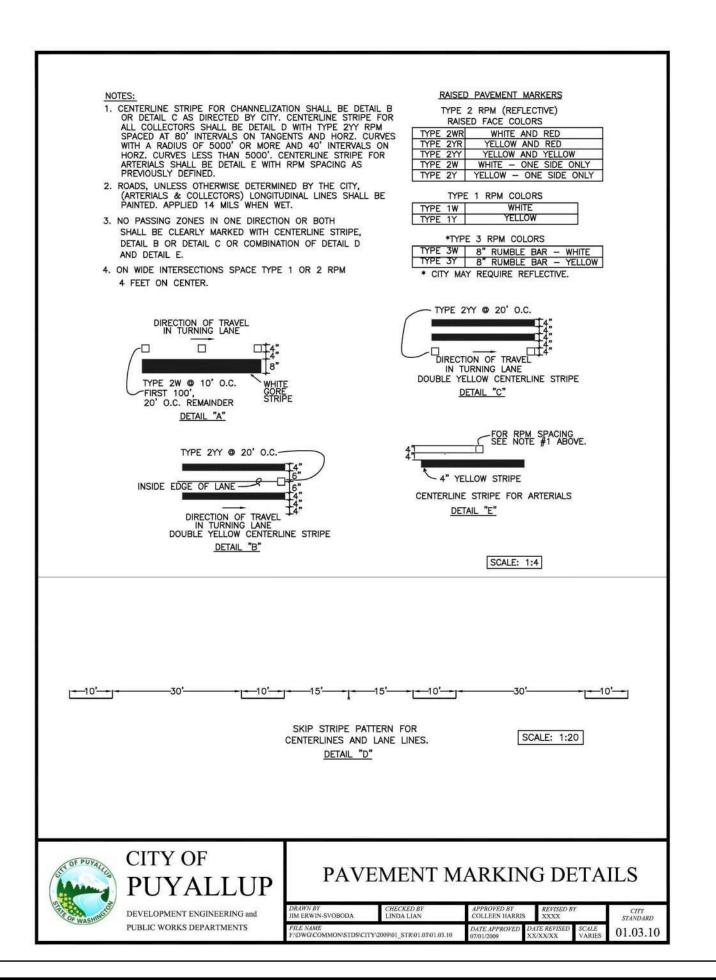
SECTION 26, TOWNSHIP 20 N, RANGE 4 E, W.M.

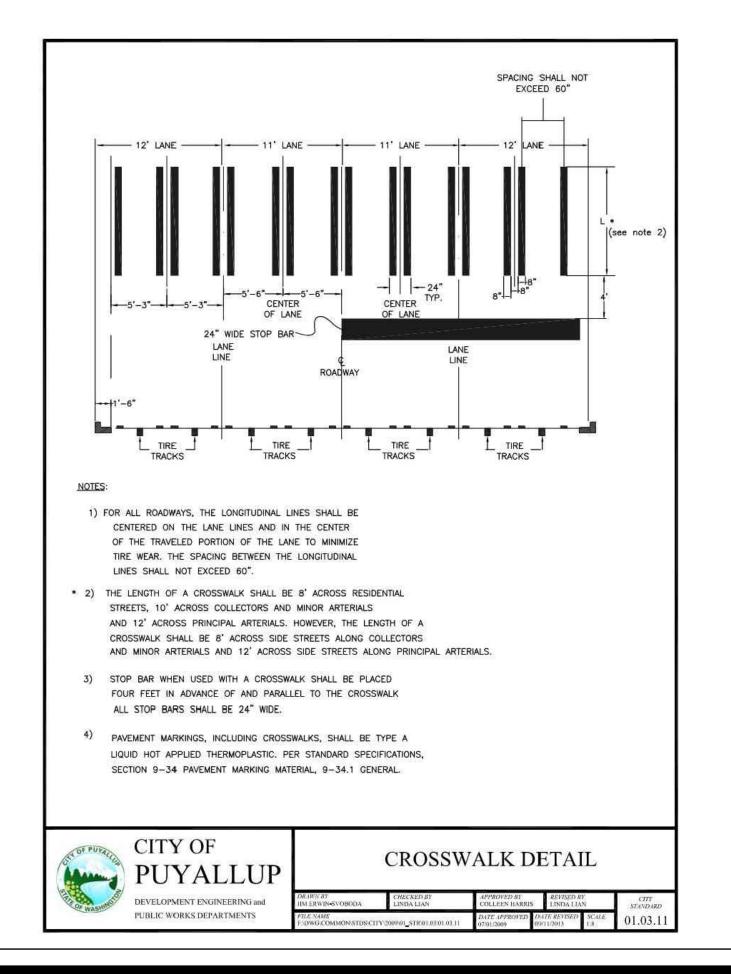


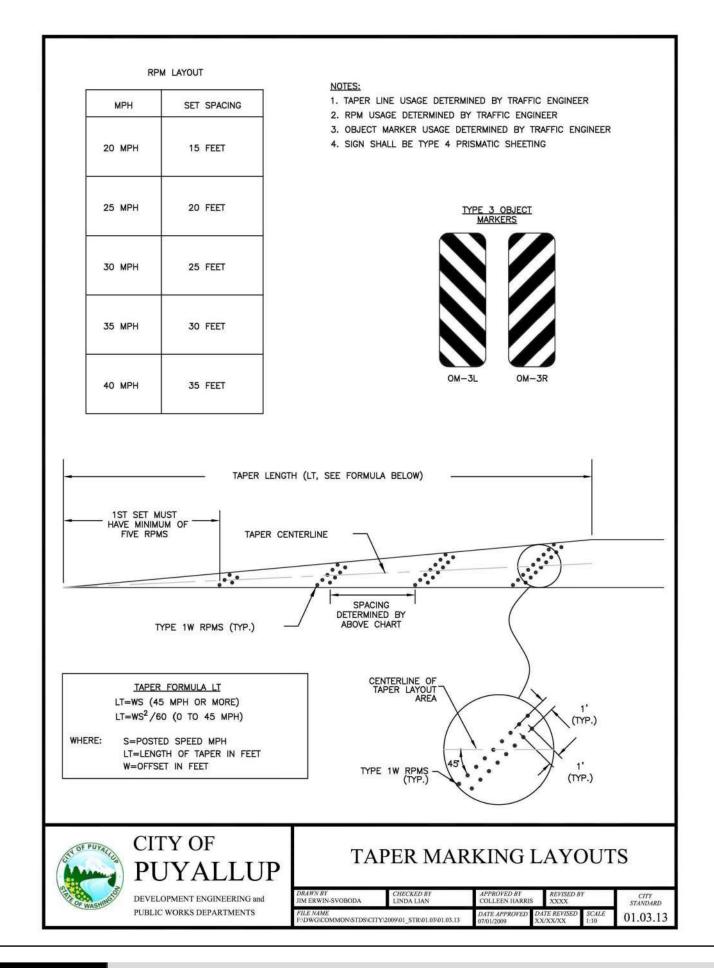


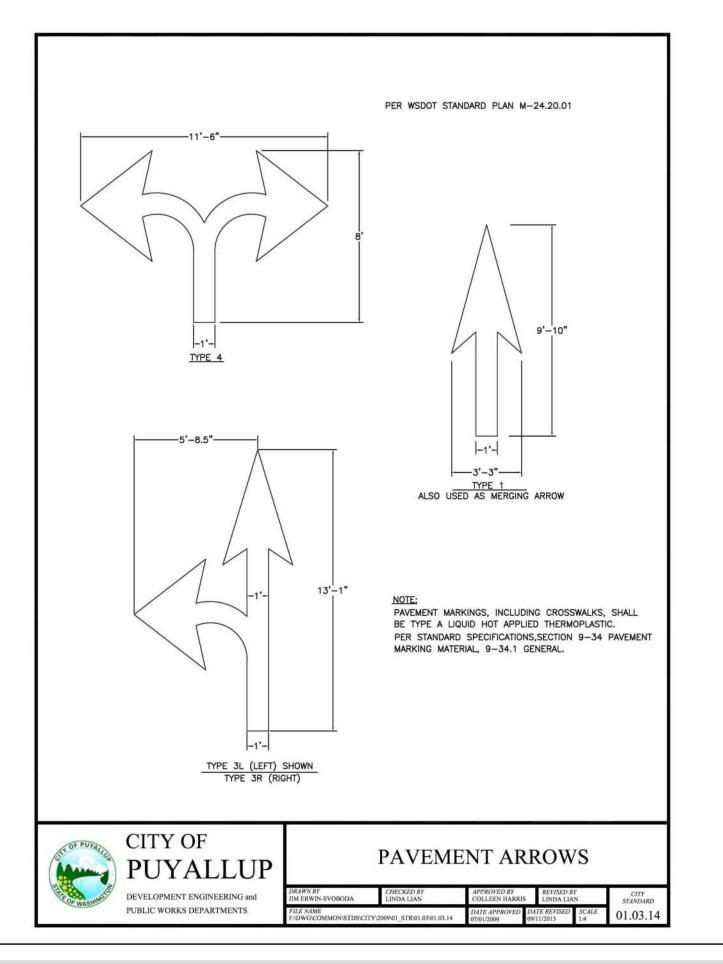


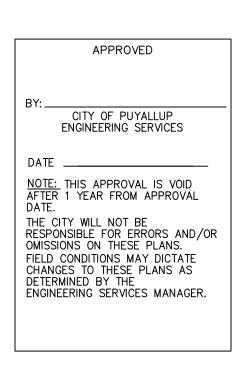








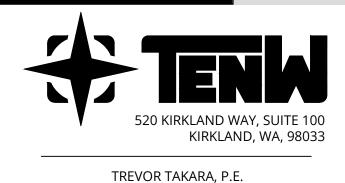




No.	Date	By	Revision Description	

Issue Date:
12/10/2024
PERMIT
Project No.:
2022-295





TAKARA@TENW.COM | 206-914-3843

ASH DEVELOPMENT, LLC
EAST TOWN CROSSING
PUYALLUP, WA

PAVEMENT MARKING & SIGNING
PLANS
STANDARD DETAILS — PHASE 1

PM-03
SHEET:

36 OF 44

SECTION 26, TOWNSHIP 20 N, RANGE 4 E, W.M.

CENTERLINE & LANE LINE

NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE

REVERSIBLE LANE LINE

WIDE BROKEN LANE LINE

WIDE DOTTED LANE LINE

EDGE LINE & SOLID LANE LINE

DOUBLE CENTERLINE & DOUBLE LANE LINE

WIDE LANE LINE

SEE CONTRACT FOR LENGTH

DOUBLE WIDE LANE LINE

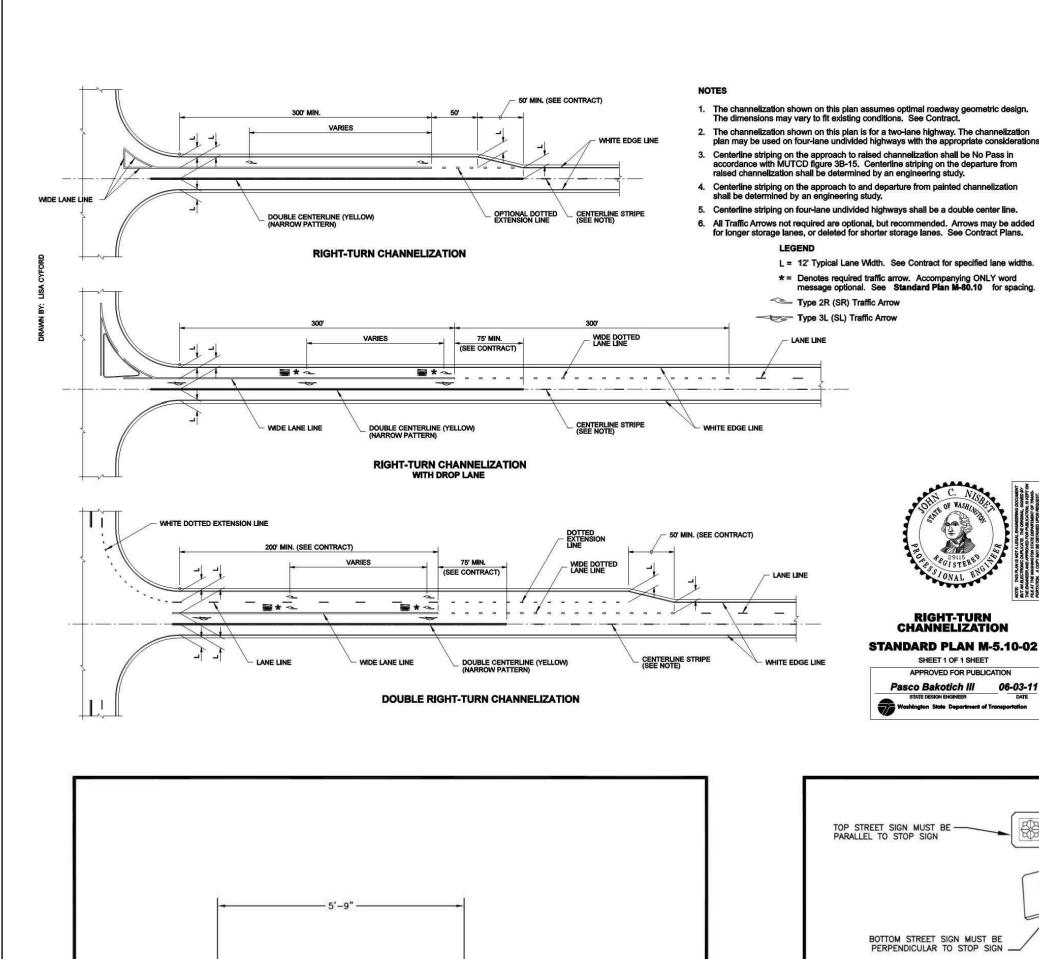
LONGITUDINAL MARKING PATTERNS

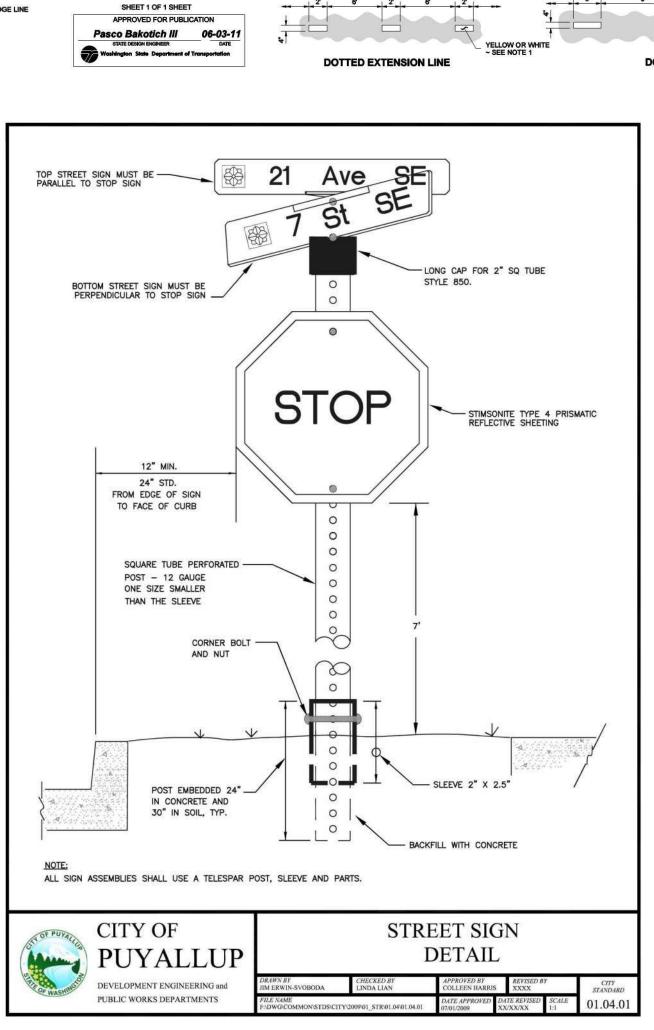
SEE CONTRACT FOR LENGTH

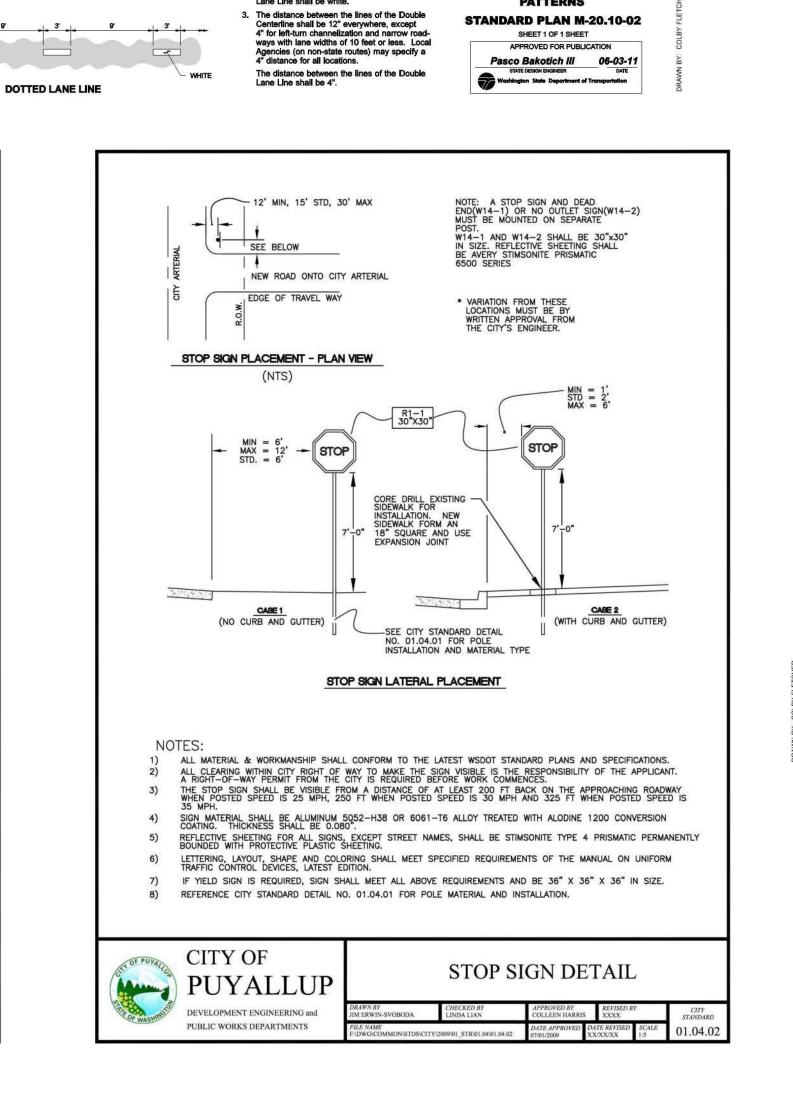
BARRIER CENTERLINE

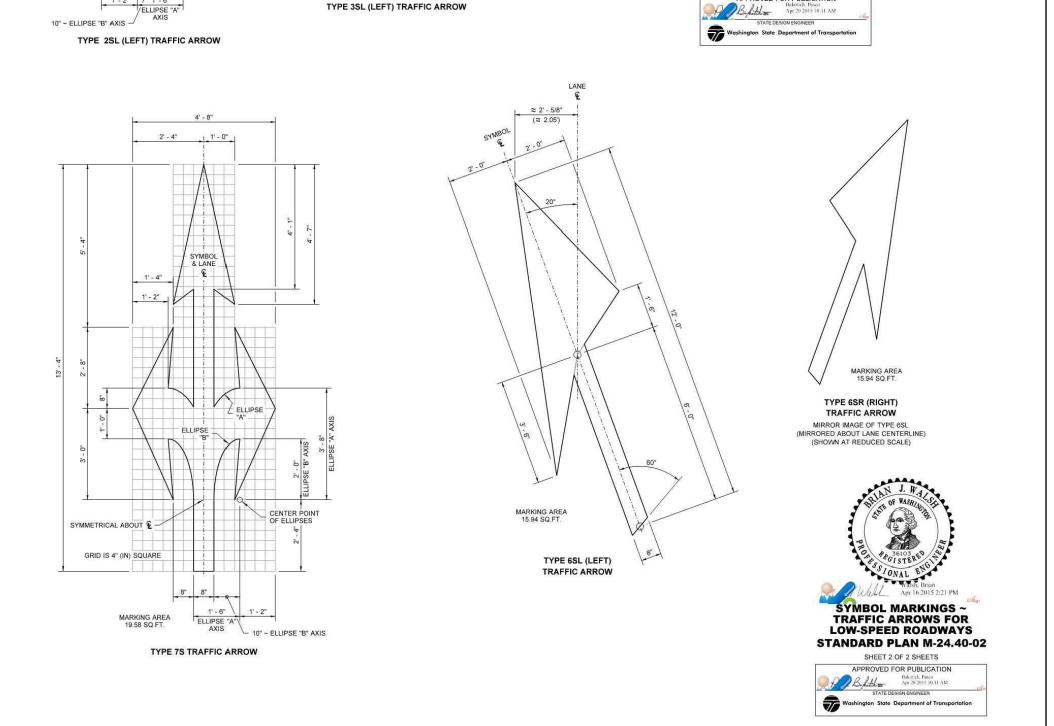
Dotted Extension Line shall be the same color as the line it is extending.

Edge Line shall be white on the right edge of traveled way, and yellow on the left edge of traveled way (on one-way roadways). Solid Lane Line shall be white.









TYPE 3SR (RIGHT)

TRAFFIC ARROW

MIRROR IMAGE OF

Use the dimensions shown on this plan for each type of Traffic Arrow

- ELLIPSE "B"

GRID IS 4" (IN) SQUARE

10" ~ ELLIPSE "B" AXIS -

TYPE 3SL (LEFT) TRAFFIC ARROW

TYPE 2SR (RIGHT) TRAFFIC ARROW

MIRROR IMAGE OF

TYPE 2SL TRAFFIC ARROW (SHOWN AT REDUCED SCALE)

OF ELLIPSES

GRID IS 4" (IN) SQUARE

TYPE 1S

1' - 2" SYMBOL & LANE €

SYMMETRICAL ABOUT &

ELLIPSE "A" 10" ~ ELLIPSE "B" AXIS

SYMBOL MARKINGS ~

TRAFFIC ARROWS FOR LOW-SPEED ROADWAYS

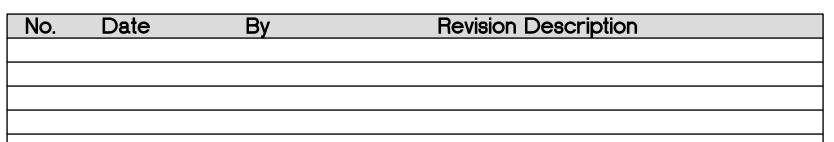
STANDARD PLAN M-24.40-02

SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

GRID IS 4" (IN) SQUARE -

TRAFFIC ARROW



PAVEMENT MARKINGS, INCLUDING CROSSWALKS, SHALL BE TYPE A LIQUID HOT APPLIED THERMOPLASTIC. PER STANDARD SPECIFICATIONS,

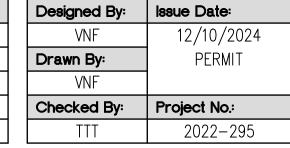
PAVEMENT MARKER

"ONLY"

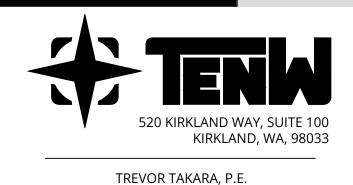
SECTION 9-34 PAVEMENT MARKING MATERIAL, 9-34.1 GENERAL.

CITY OF

PUBLIC WORKS DEPARTMENTS







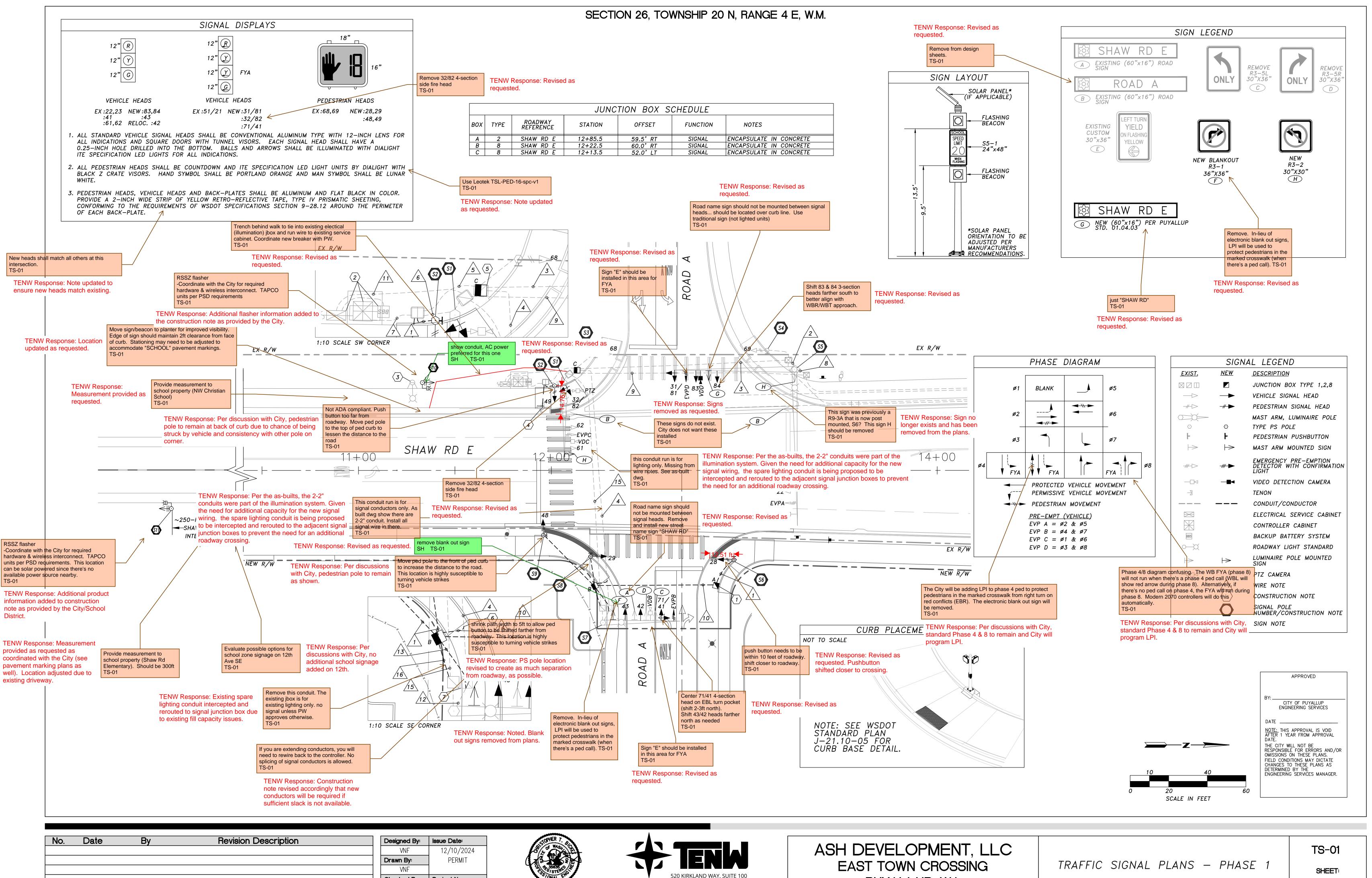
TAKARA@TENW.COM | 206-914-3843

APPROVED

CITY OF PUYALLUP ENGINEERING SERVICES

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL

THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE
ENGINEERING SERVICES MANAGER.



TREVOR TAKARA, P.E. TAKARA@TENW.COM | 206-914-3843

KIRKLAND, WA, 98033

Checked By:

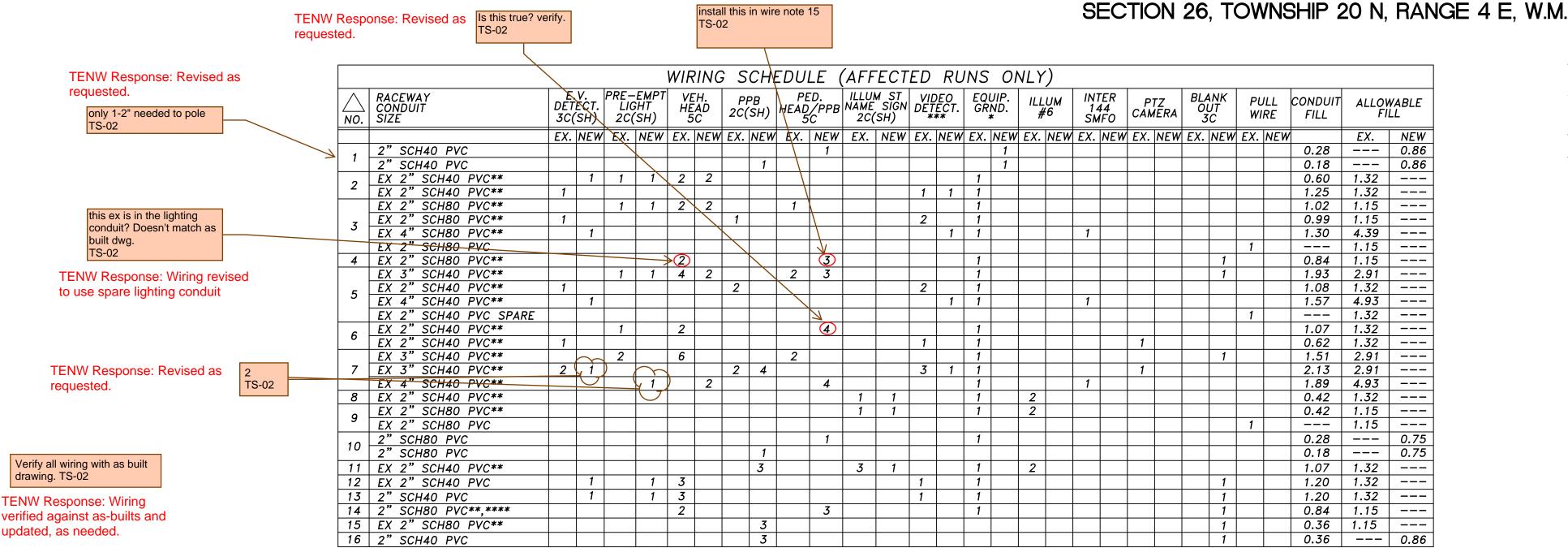
Project No.:

2022-295

12-10-2024

PUYALLUP, WA

OF



- EQUIPMENT GROUND SIZE SHALL BE EQUAL TO OR LARGER THAN THE LARGEST WIRE SIZE IN THE CONDUIT
- OTHER CONDUIT AND CONDUCTORS MAY BE PRESENT.
- VIDEO DETECTION CABLE SHALL BE 14/3 CABLE AND SHIELDED CAT5

MATCH EXISTING.

GENERAL NOTES

- 1. ALL WORK IN CITY RIGHT—OF—WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEER SERVICES AT (253—841—5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- 9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS
- 10. POWER, STREET LIGHT, CABLE AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
- 11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON LICENSED PROFESSIONAL CIVIL ENGINEER.
- 12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- 14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360-407-6300).
- 15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.
- -16. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- 17. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- 18. UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY ILLUMINATION WORK.
- 19. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- 20. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 21. CONTRACTOR SHALL COORDINATE WITH THE CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.405.4390 PRIOR TO CONSTRUCTION.
- 22. THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES, AND CABINETS SHOWN ON THIS PLAN MAY BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS AND MEET ADA REQUIREMENTS. ALL FINAL LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.
- 23. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH DIRECTION FROM THE CITY.
- 24. CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
- 25. JUNCTION BOXES, CABLE VAULTS, AND PULL BOXES WHICH ARE PLACED WITHIN THE SIDEWALK SHALL HAVE SLIP RESISTANT LIDS WHICH MEET THE REQUIREMENTS OF AMERICANS WITH DISABILITIES ACT (ADA) AND PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). APPROVED PRODUCTS ARE SLIPNOT GRIP PLATE GRADE 3 SURFACE AND IKG INDUSTRIES MEBAC#1.
- 26. ILLUMINATION CONDUIT SHALL BE PLACED IN THE SAME TRENCH AS OTHER UTILITIES WHERE POSSIBLE. THE JUNCTION BOX AND CONDUIT LOCATIONS SHOWN ARE APPROXIMATE.
- 27. THE CONTRACTOR SHALL SUBMIT A REQUEST TO THE CITY OF PUYALLUP FOR MATERIALS APPROVAL AT THE EARLIEST POSSIBLE DATE.
- 28. LIGHT STANDARD FOUNDATIONS SHALL NOT BE EXCAVATED AND POURED BEFORE POLE LOCATIONS ARE APPROVED BY THE ENGINEER.
- 29. THE CONTRACTOR SHALL CONFIRM THAT 10 FEET MINIMUM CIRCUMFERENTIAL CLEARANCE IS PROVIDED BETWEEN LUMINAIRE POLES AND OVERHEAD POWER LINES PRIOR TO FOUNDATION INSTALLATION. IF A CONFLICT IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO FOUNDATION INSTALLATION.

Designed By:

VNF

Checked By:

Drawn By:

SIGNAL CONSTRUCTION NOTES:

- EXISTING TYPE III SIGNAL POLE AND ASSOCIATED EQUIPMENT TO REMAIN. INSTALL ONE NEW R3-2 SIGN ON EXISTING MAST ARM. INSTALL ONE NEW VEHICLE SIGNAL HEAD 32/84 ON POLE.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND POLE DETAIL, THIS SHEET. FURNISH AND INSTALL TYPE PS POLE WITH ONE NEW PEDESTRIAN SIGNAL HEAD 49 AND ONE APS BLUETOOTH PEDSAFETY WAVE PUSHBUTTON 49. PEDESTRIAN PUSHBUTTON SHALL FACE NORTH PARALLEL TO CROSSWALK.
- (S3) EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- (S4) EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- EXISTING TYPE SD SIGNAL POLE AND ASSOCIATED EQUIPMENT TO REMAIN. FURNISH AND INSTALL THREE NEW VEHICLE SIGNAL HEADS 31/81, 82, AND 83, ONE NEW OPTICOM EMERGENCY VEHICLE PREEMPTION DETECTOR WITH CONFIRMATION LIGHT, ONE NEW INSYNC VIDEO DETECTION CAMERA, AND ONE NEW ILLUMINATED STREET NAME SIGN ON EXISTING WESTBOUND MAST ARM. CONTRACTOR SHALL RAISE UTILITY LINES AS NEEDED TO ACCOMMODATE SIGNAL HEAD VISIBILITY.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND POLE DETAIL, THIS SHEET. FURNISH AND INSTALL TYPE PS POLE WITH ONE NEW PEDESTRIAN SIGNAL HEAD 28 AND ONE NEW APS BLUETOOTH PEDSAFETY WAVE PUSHBUTTON 28. PEDESTRIAN PUSHBUTTON SHALL FACE WEST PARALLEL TO CROSSWALK.
- EXISTING TYPE III SIGNAL POLE AND ASSOCIATED EQUIPMENT TO REMAIN. REMOVE EXISTING SIGNAL HEAD INSTALL TWO NEW VEHICLE SIGNAL HEADS AND RELOCATE ONE EXISTING VEHICLE SIGNAL HEAD ON MAST ARM. INSTALL NEW BLANK OUT SIGN PER POLE SCHEDULE, SHEET PM-04, AND ALL ASSOCIATED WIRING BACK TO CONTROLLER CABINET USING EXISTING CONDUIT. REMOVE EXISTING R3-5L AND EXISTING R3-5R SIGNS AND RETURN TO CITY. CONTRACTOR TO CONFIRM BLANKOUT SIGN SPECS WITH CITY.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND POLE DETAIL, THIS SHEET. FURNISH AND INSTALL TYPE PS POLE WITH ONE NEW PEDESTRIAN SIGNAL HEAD 29 AND ONE NEW APS BLUETOOTH PEDSAFETY WAVE PUSHBUTTON 29. PEDESTRIAN PUSHBUTTON 29 SHALL FACE WEST PARALLEL TO CROSSWALK.
- © CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND POLE DETAIL, THIS SHEET. FURNISH AND INSTALL TYPE PS POLE WITH ONE NEW PEDESTRIAN SIGNAL HEAD 48 AND ONE NEW APS BLUETOOTH PEDSAFETY WAVE PUSHBUTTON 48. PEDESTRIAN PUSHBUTTON 48 SHALL FACE NORTH PARALLEL TO CROSSWALK.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10 AT SHAW RD E STA 13+56.0, 47.5 LT. LOCATION SHALL BE FIELD VERIFIED BY CITY OF PUYALLUP ENGINEER. FURNISH AND INSTALL TYPE FB TAPCO POLE PER WSDOT STANDARD PLAN J-21.16 WITH TWO FLASHING BEACONS, AND ONE MUTCD SCHOOL SPEED LIMIT WHEN FLASHING SIGN (S5-1) ON POLE PER DETAIL, THIS SHEET, AND CITY OF PUYALLUP STANDARD
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10. LOCATION SHALL BE FIELD VERIFIED BY CITY OF PUYALLUP ENGINEER. FURNISH AND INSTALL TYPE FB TAPCO POLE PER WSDOT STANDARD PLAN J-21.16 WITH TWO FLASHING BEACONS, AND ONE MUTCD SCHOOL SPEED LIMIT WHEN FLASHING SIGN (S5-1) ON POLE PER DETAIL, THIS SHEET, AND CITY OF PUYALLUP STANDARD PLANS 01.07.03, 01.07.04, AND 01.07.05.
- (1) FURNISH AND INSTALL NEW TYPE 2 JUNCTION BOX PER CITY OF PUYALLUP STANDARD 01.06.01
- \langle 2 angle existing combination controller/service/bbs cabinet to remain. Protect during construction.
- (3) EXISTING STREET LIGHT AND EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION
- CONTRACTOR SHALL INSTALL NEW CONDUIT/RISER TO EXISTING JUNCTION BOX AND COORDINATE WITH ZIPLY TO REROUTE AND SPLICE EXISTING FIBER INTO EXISTING SPLICE CASE IN CONTROLLER CABINET. ZIPLY SHALL MAKE FINAL CONNECTION TO EXISTING FIBER.
- $\langle 5
 angle$ REPLACE EXISTING TYPE 2 JUNCTION BOX WITH TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30.
- \langle 6 angle intercept and extend existing conduit and conductors to new junction box
- (7) REMOVE EXISTING JUNCTION BOX. FILL AND COMPACT VOID.

ILLUMINATION & SIGNAL GENERAL NOTES

15. EXISTING FEATURES TO REMAIN UNLESS OTHERWISE NOTED.

- ALL VEHICLE SIGNAL HEADS SHALL USE TYPE M MOUNTS (CONNECTED BETWEEN THE RED AND YELLOW SIGNAL FACES). PEDESTRIAN SIGNAL HEADS SHALL USE TYPE E CLAMSHELL MOUNTS.
- ALL PEDESTRIAN PUSH BUTTONS SHALL BE ACCESSIBLE PEDESTRIAN SIGNALS (APS) AND SHALL BE INSTALLED PER MUTCD STANDARDS. ALL CURB RAMPS SHALL MEET PROWAG STANDARDS.
- THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES AND CABINETS SHOWN ON THIS PLAN MAY BE SLIGHTLY ADJUSTED IN THE FIELD TO AVOID CONFLICTS. ALL FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
- ALL NEW FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION. CONTRACTOR SHALL CHECK FOR
- MINIMUM OVERHEAD CLEARANCE OF 16'6" FOR ALL SIGNAL HEADS ABOVE THE STREET PRIOR TO POURING THE FOUNDATION.
- ALL TRAFFIC SIGNAL AND PEDESTRIAN HEADS, AND PUSH BUTTONS SHALL BE SECURELY AND COMPLETELY COVERED WHILE SIGNAL IS NOT IN OPERATION. SIGNAL HEADS WILL BE BAGGED WITH A SMALL HOLE IN LINE WITH EACH SIGNAL LENS.
- 6. ALL CONDUCTORS FOR ALL ELECTRICAL EQUIPMENT SHALL BE LABELED IN EACH JUNCTION BOX.
- 7. ALL CONDUITS SHALL BE RIGID HOT-DIPPED GALVANIZED STEEL OR SCHEDULE 80 PVC WHEN EXPOSED ABOVE THE GROUND. SEE SPECIAL PROVISIONS.
- 8. ALL SIGNS SHALL BE VIP DIAMOND GRADE SHEETING FOR BOTH MAST ARM AND SHOULDER MOUNTS. STREET NAME SIGNS SHALL BE LED LIGHTED UNITS WITH THE CITY'S DAFFODIL LOGO. STREET NAME SIGNS WILL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. ALL LIGHTED STREET NAME SIGN LAYOUTS SHALL BE APPROVED BY THE CITY SIGN TECHNICIAN PRIOR TO
- 9. ALL JUNCTION BOXES SHALL BE PLACED BEHIND SIDEWALK, UNLESS OTHERWISE NOTED.
- 10. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP STANDARDS AND SPECIFICATIONS.
- 11. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AS NECESSARY.
- 12. THE CONTRACTOR SHALL SUBMIT A REQUEST TO THE INSPECTOR FOR MATERIALS APPROVAL AT THE EARLIEST POSSIBLE DATE.
- 13. ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT ALL PERTINENT UTILITY AGENCIES 48 HOURS BEFORE COMMENCING WORK, AND SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANY AND THE CITY OF PUYALLUP IMMEDIATELY UPON DAMAGE.
- 16. ALL JUNCTION BOXES CARRYING SIGNAL EQUIPMENT AND/OR INTERCONNECT SHALL HAVE THE LETTERS "TS" INSCRIBED ON THE LID. ALL JUNCTION BOXES CARRYING ONLY INTERCONNECT EQUIPMENT SHALL HAVE THE LETTERS "INTC" INSCRIBED ON THE LID.
- 17. ALL WORK SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIAL PROVISIONS AND THE CITY OF PUYALLUP STANDARD DRAWINGS.
- 18. THE TOP ELEVATION OF ALL POLE FOUNDATIONS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACING CONCRETE.
- 19. ANY NEW JUNCTION BOX WHICH WILL BE LOCATED WITHIN OR PARTIALLY WITHIN SIDEWALK SHALL HAVE LIDS AND FRAMES WITH A NON-SLIP COATING ON THE TOP SURFACE EQUAL TO MEBAC1 OR SLIPNOT#3.
- 20. A COPY OF THE LOAD CALCULATIONS SHALL BE PROVIDED TO THE CITY'S SIGNAL TECHNICIAN PRIOR TO INSTALLATION.
- 21. CONTRACTOR SHALL CONTACT THE CITY'S SIGNAL TECHNICIAN WHEN THE LIGHTS ARE READY TO BE ENERGIZED.
- 22. THE APPLICANT SHALL PURCHASE INSYNC ADAPTIVE CAMERAS DIRECTLY FROM RHYTHM ENGINEER (CHRIS FEES AT 913-227-0603 EXT. 145 OR SAWYER BRESLOW 913-227-0603 EXT. 136) AND PROVIDE TO THE CONTRACTOR FOR INSTALLATION. CITY STAFF CAN ASSIST WITH PREPARING AN AGREEMENT BETWEEN THE APPLICANT AND RHYTHM ENGINEERING. THE CONTRACTOR SHALL INSTALL COMPLETE INSYNC ADAPTIVE SYSTEMS AT THE SHAW/SITE ACCESS INTERSECTIONS AND COORDINATE DIRECTLY WITH RHYTHM ENGINEERING FOR PROGRAMMING.
- 23. THE REQUIRED SIGNAL MODIFICATIONS MUST BE FULLY CONFIGURED AND OPERATIONAL NO LESS THAN 2 WEEKS PRIOR TO RECEIVING OCCUPANCY FOR ANY BUILDING ON-SITE. ADAPTIVE SIGNAL CONTRACTOR (RHYTHM ENGINEERING) WILL BE REQUIRED TO CONFIGURE THE ADAPTIVE SYSTEM ON-SITE.

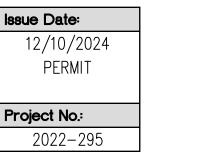
			_					
	BREAKER SCHEDULE RD AND ROAD A							
CIRCUIT	BREAKER	CONTACTOR						
MAIN	1P-100 AMP							
LT SIGN	1P-20 AMP							
SIGNAL	1P-50 AMP	30 AMP						
ILLUM 1 A	2P-20 AMP	30 AMP						
ILLUM B (SPARE)	2P-30 AMP	30 AMP	4					

TENW Response: Additional text added, as requested. Fully configured and operational includes adaptive configuration. overhead fiber connectivity, all intersection striping, signal hardware, signage, all on-street lighting, etc. are installed and operational. **TENW Response: Revised as** circuit TS-02

CITY OF PUYALLUP ENGINEERING SERVICES NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

APPROVED

No.	Date	Ву	Revision Description	





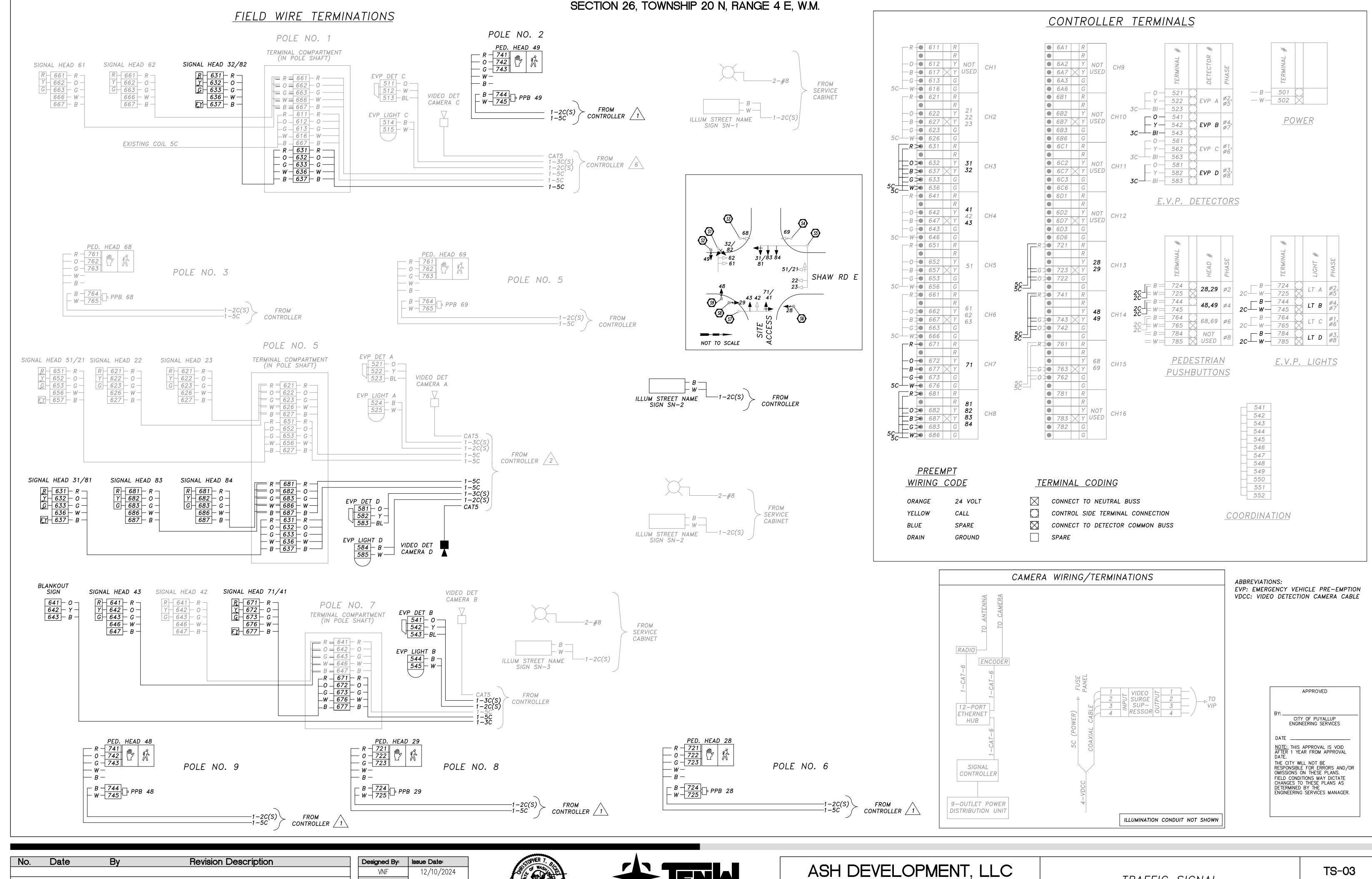


ASH DEVELOPMENT, LLC EAST TOWN CROSSING PUYALLUP, WA

TRAFFIC SIGNAL WIRE SCHEDULE - PHASE

TS-02 SHEET:

OF



NO.	Date	Ву	Revision Description	Designed By:	Issue Date:
				VNF	12/10/2024
				Drawn By:	PERMIT
				VNF	
				Checked By:	Project No.:
				TTT	2022-295





ASH DEVELOPMENT, LLC EAST TOWN CROSSING PUYALLUP, WA

TRAFFIC SIGNAL WIRING DIAGRAM — PHASE SHEET: 40 OF _4

SECTION 26, TOWNSHIP 20 N, RANGE 4 E, W.M. LEGEND a. VEHICLE SIGNAL HEAD ALTERNATE NOTE 1 FOR TYPE N MOUNT ONLY: b. SIGN DRILL 1" HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE. c. ILLUMINATED STREET NAME SIGN d. PRE-EMPT DETECTOR POLE ORIENTATION AND ATTACHMENT POINT DETAIL e. DELETED (10/22/90) f. LUMINIARE 1) MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN g. PEDESTRIAN SIGNAL HEAD h. RECESSED TERMINAL COMPARTMENT (2) FIELD INSTALLED. i. PEDESTIAN PUSHBUTTON ASSEMBLY TYPICAL E1 SIGNAL ARM ALL HANDHOLES ATTACHMENT j. HANDHOLE AT 180° POINT k. VIDEO DETECTION CAMERA I. PTZ CAMERA POLE ORIENTATION ANGLE (P.O.A.) DEGREES CLOCKWISE m. BROADBAND PANEL ANTENNA SEE SIGNAL DISPLAY VERTICAL FROM OFFSET LINE TO 0° POINT CLEARANCE CHART BASE PLATE - LOCATION STATION LIMITS OF VERTICAL CLEARANCE REQUIREMENT ROADWAY CURB OR EDGE OF SHOULDER TYPE III TYPE II COMBINATION MAST ARM SIGNAL STANDARD DETAILS LIGHTING AND SIGNAL MAST ARM SIGNAL Contractor shall verify and confirm all existing STANDARD poles and foundations will accommodate new STANDARD loadings. TS-04 TENW Response: Windloading revised per SIGNAL DISPLAY VERTICAL CLEARANCE (FEET) changes and verified against original foundation design. 40' 45' 50' 53' OR MORE MIN. MAX. MIN. MAX. MIN. MAX. DISTANCE FROM STOP LINE 3 SECTION 12" 16.5' | 17.5' | 16.5' | 19.2' | 16.5' | 20.9' | 16.5' | 22.0' 5 SECTION (DOGHOUSE) 12" 4 SECTION 12" 16.5' | 17.0' | 16.5' | 18.0' | 16.5' | 19.7' | 16.5' | 20.8' 5 SECTION (VERTICAL) 12" 16.5' 17.0' 16.5' 17.5' 16.5' 18.5' 16.5' 19.6' MEASURED FROM BOTTOM OF SIGNAL HEAD HOUSING (BACKPLATE) TO ROADWAY TENW Response: Signal heads/signs updated TENW Response: Revised as TENW Response: Revised as per requested changes on Sheet TS-01 requested. requested. TYPE PS FYA signs? TS-04 PED. HEAD STANDARD FYA signs? TS-04 too far out. More like 20? TS-04 TS-04 SIGNAL STANDARD DETAIL CHART APPROVED SIGNAL STANDARD DETAIL CHART NOTES (1) FOUNDATION DEPTHS ARE BASED ON AN ALLOWABLE LATERAL BEARING CAPACITY OF 1,000 PSF. RECOMMENDED PER COORDINATION WITH CITY OF PUYALLUP ENGINEERING SERVICES EARTH SOLUTIONS NW, LLC ON 1/3/2019. (2) RELOCAE SIGNAL HEAD ON MAST ARM. INSTALL NEW VEHICLE HEAD NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL

													1			•	31011	\neg L \supset	INIL	AND		\neg ı		/															
STD. NO.	REFERENCE	FIELD	LOCATI	ON	TVDE		NTING	MAS			05505T D	OT44405 (FT)) (015 C T0	4774000			MAST A	RM DAT					A			(4)(4)(7)(7)	LUMINAIRE		POLE A	TTACHM	ENT POI	INT AN	NGLES (DEG)	FC	UNDAT PTHS(ION(1)	DEMARKS
	ROADWAY				TYPE _	HEIGH	1T (FT)	AR			OFFSET DI	STANCE (FT)	(¥) (1	OLE & TO	ATTACHM								<i>F</i> π() ² / (X)()				$(x)(Y)(Z)^{\binom{3}{2}}$	ARM(FI)						`					REMARKS
	NOADWAT	STATION	OFFSET	LT. RT. P.O.	A.	A 1	A2		B1	6	3 <mark>/2 E</mark>	3 B4	\ <i>B5</i>	B6	B7	B9	B10	B11	B1	B2	B3	B4 /	/B6	B7 B	9 B10	B11	TOTAL(FT)	C	D	E1	$F1 \mid F2$	2 G1	G2	H	1 1	2 3' RE	. 3' SQ.	4' RD.	
1	SHAW RD E	EX	EX	X O	EX III	18.0'	30.0)' 43.	Q' -	39	9.0' 34	1.0' -	27.0	23.0'	-	-	_	16.5	-	6.3	9.2	/	9.2		- -	6.7	921	12'	_	- ,	330 -		-	135		- 11	9	9	
2	SHAW RD E	12+01.5	44.0'	<i>X</i>	PS	-	_	\-	_	-	-\	- -	1	_	-	-	_	_	ı	ı	_ /	/	1	- -	- -	-	_	_		_	- -	- (3)	_	- 2	270 -	- -	_	_	FDN PER WSDOT J-21.10
3	SHAW RD E	EX	EX	X -	EX PS	_	_	_	/	-	- \		-\	_	-	_	_	_	-	1		\vdash	-		- -	_	_	-	_	_		- (3)	_	-	0 -	- -	_	_	
4	SHAW RD E	EX	EX	x -	EX PS	_	_		-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	$\overline{}$		_ '	_	-	-	_	-	-	$\left. \left. \left$	/- /	/ -	-		- -	_	_	_	_	-	- -	- (3)	_	-	0 -	- -	_	-	
_	SHAW RD E	EX	EX	V 0°	, EV CD	17.0'	30.0	75.	0' X5.0) ' -	- 163	5' 56.0	69.5	51.5'	_	_	_	20.5	9.2		9.2	7.5	11.6		- -	6.7	2429	12'	_	0	0 -		_	270				12	
	SHAW RU E	ĽΛ		^ 0	' EX SD	17.0'	_	62.	0' 62), } -	- 5	9.0' –	_	51.0) –	-	- \	44.5	11.6		9/2	-	9.2		- -	6.7	_	_	_	-		- -	_	2/0	- -	-		12	
6	SHAW RD E	13+01.0	47.0'	X -	PS	_	_	_	_	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			-		-	_	_		-) }	//-	-	-		- -	-	_	_	_	-	- -	- (3)	_	_	0 -	- -	_	_	FDN PER WSDOT J-21.10
7	SHAW RD E	EX	EX	X 90	eX III	18.0'	30.	0' 38.	0' 30.0	1 1	219	0.5' -	36.5	11.5,) 30'	_	_ (16.5	11.6	-	9.2	_	9.2	90 -	- -	6.7	826	12'	_	_	0 -		_	135		- 11	9	9	
8	SHAW RD E	12+20.5	44.5	X -	PS	_	_	_	· -	W		- -	_	_	_	_	_	<u> </u>			ノ –	-	-		- -	_	_	_	_	-		- (3)	-	_	0	- -	_	-	FDN PER WSDOT J-21.10
9	SHAW RD E	11+93.0	33.5	X -	PS	_	_		_	T -	-	- -	_	_	_	_	_	_	_	_	_	-	-	- -	- -	_	_	_	_	-	- -	- (3)	-	_	0	- -	-	-	FDN PER WSDOT J-21.10
-			•				•	'	•		•	•	•	•	•	•							•		•		•	•	•				-		•		•		

12-10-2024

Checked By:

Project No.:

2022-295

- ON EXISTING TENON.
- (3) N/A: PEDESTRIAN SIGNAL HEAD SHALL USE TYPE "D" TOP MOUNT.
- (4) CALCULATED WINDLOAD PLUS 500 FT³ FOR FUTURE UNKNOWN CONDITIONS.
- (5) NOT APPLICABLE. PEDESTRIAN SIGNAL HEAD SHALL BE MOUNTED WITH

W RD E 12+20.5 44.5' X - PS - - - - - - - - W RD E 11+93.0 33.5' X - PS - - - - - - - - -		TENW Response: Revised as requested.	- - - - - - - - (3) - - - - - - - - (3) -	- 0 FDN PER WSDOT J-21.10 - 0 FDN PER WSDOT J-21.10	A TYPE D TOP MOUNT. (6) FIELD WELD NEW TENON.
Date By Revision Description	Designed By: Issue Date: VNF 12/10/2024 Drawn By: PERMIT	STOPHER TO WAS TO THE TOPHER TOPHER TO THE TOPHER TO THE TOPHER TO THE TOPHER TO THE TOPHER TOPHER TO THE T	**TENM	ASH DEVELOPMENT, LL EAST TOWN CROSSING	C TRAFFIC SIGNA

520 KIRKLAND WAY, SUITE 100

TREVOR TAKARA, P.E. TAKARA@TENW.COM | 206-914-3843

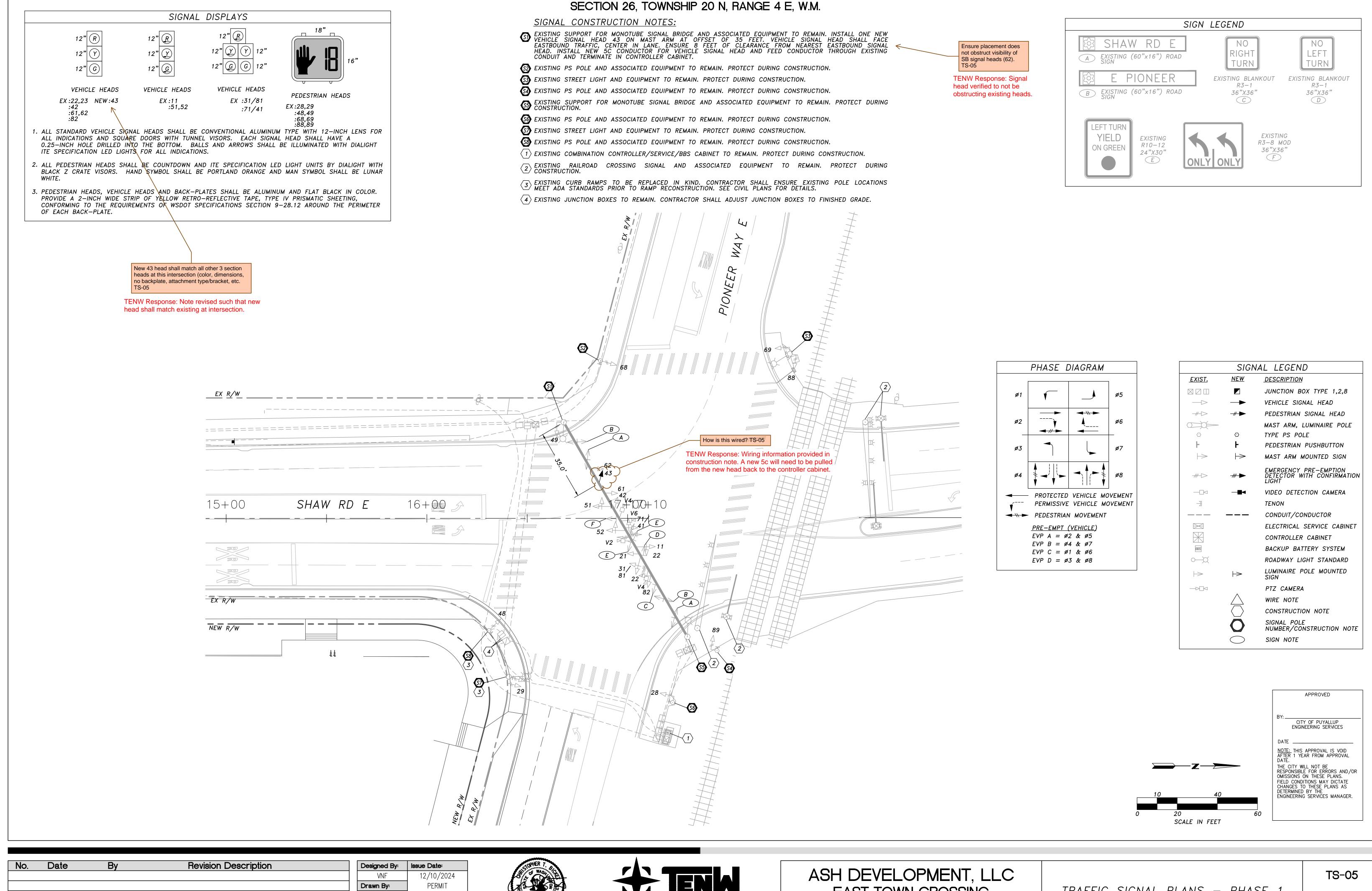
KIRKLAND, WA, 98033

PUYALLUP, WA

POLE SCHEDULE - PHASE 1

TS-04 SHEET: 41 **OF** 44

THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE
ENGINEERING SERVICES MANAGER.



	VNF
	Drawn By:
	VNF
	Checked By:
	TTT



Project No.:

2022-295

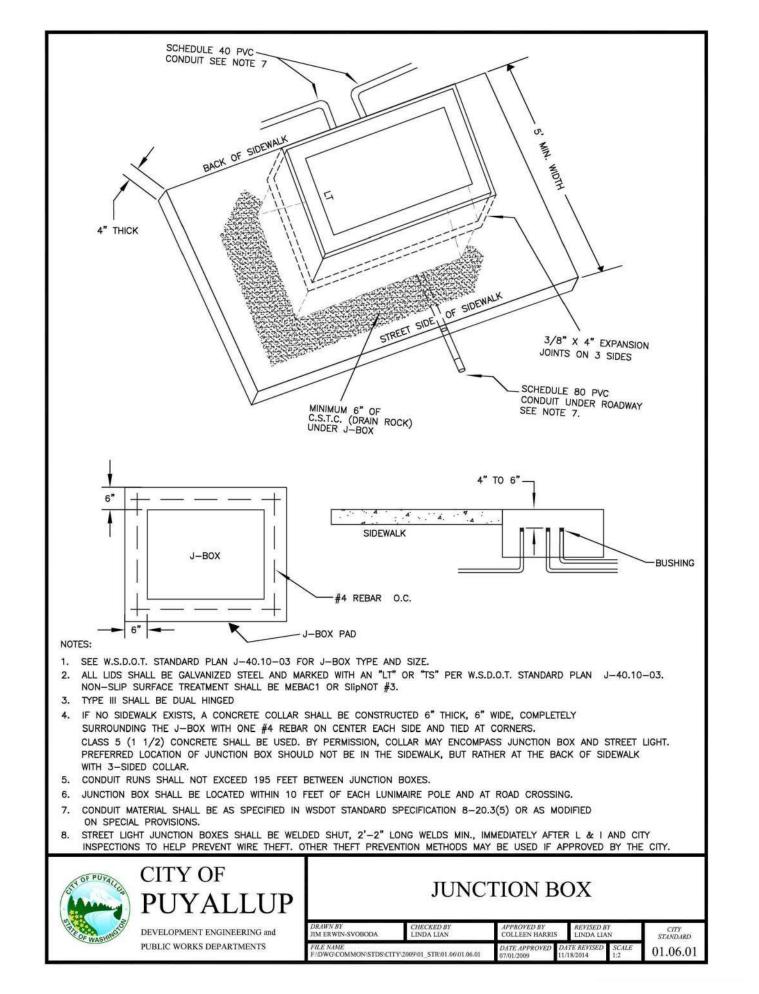


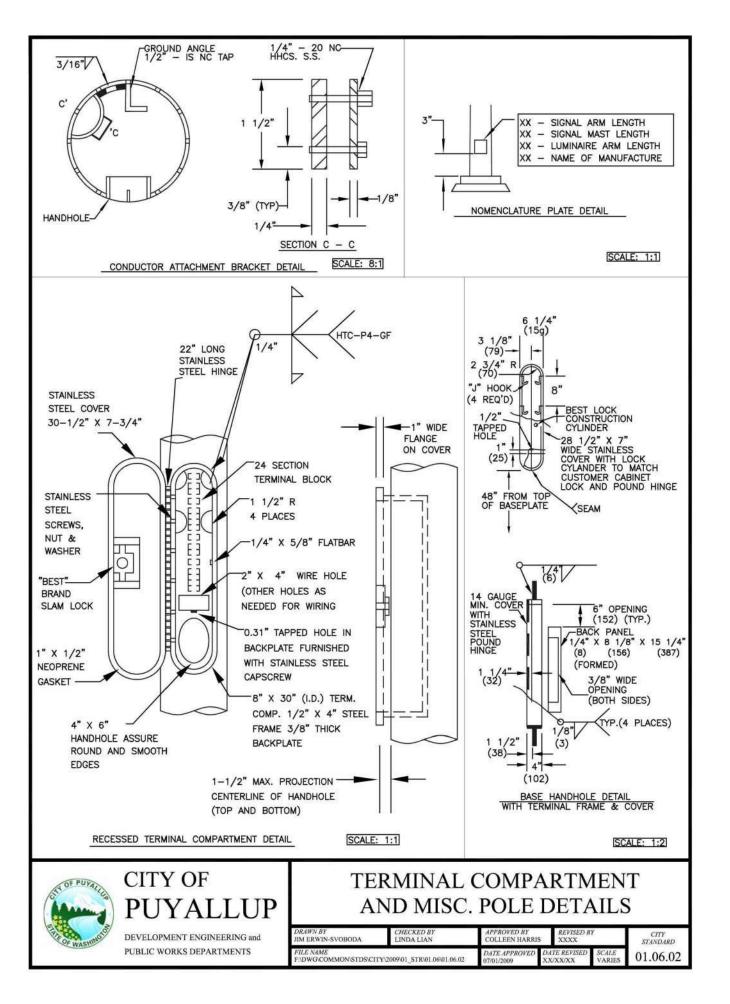
EAST TOWN CROSSING PUYALLUP, WA

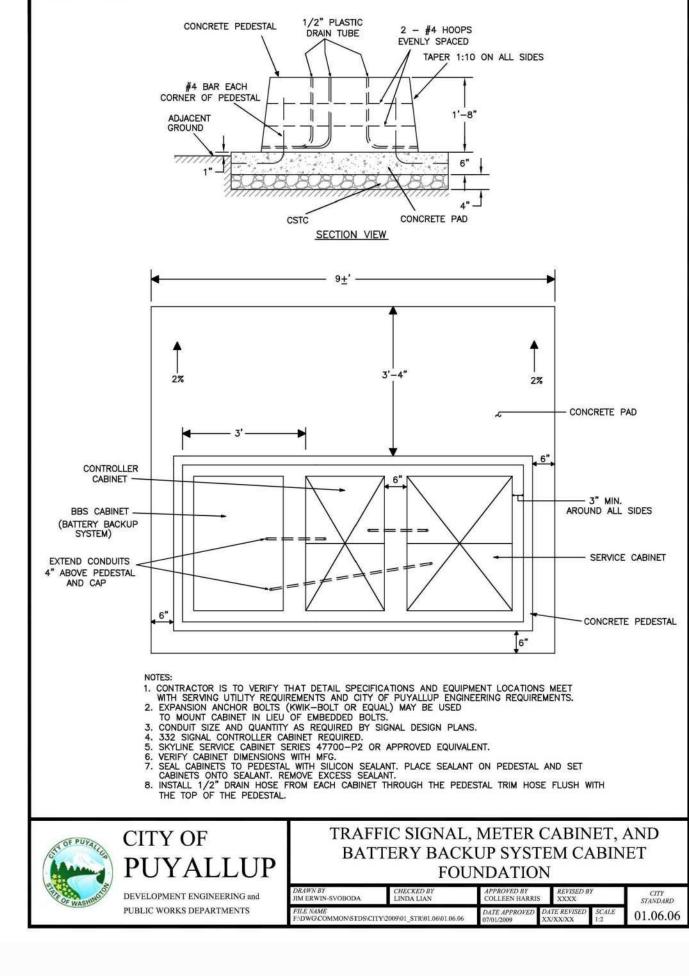
TRAFFIC SIGNAL PLANS — PHASE

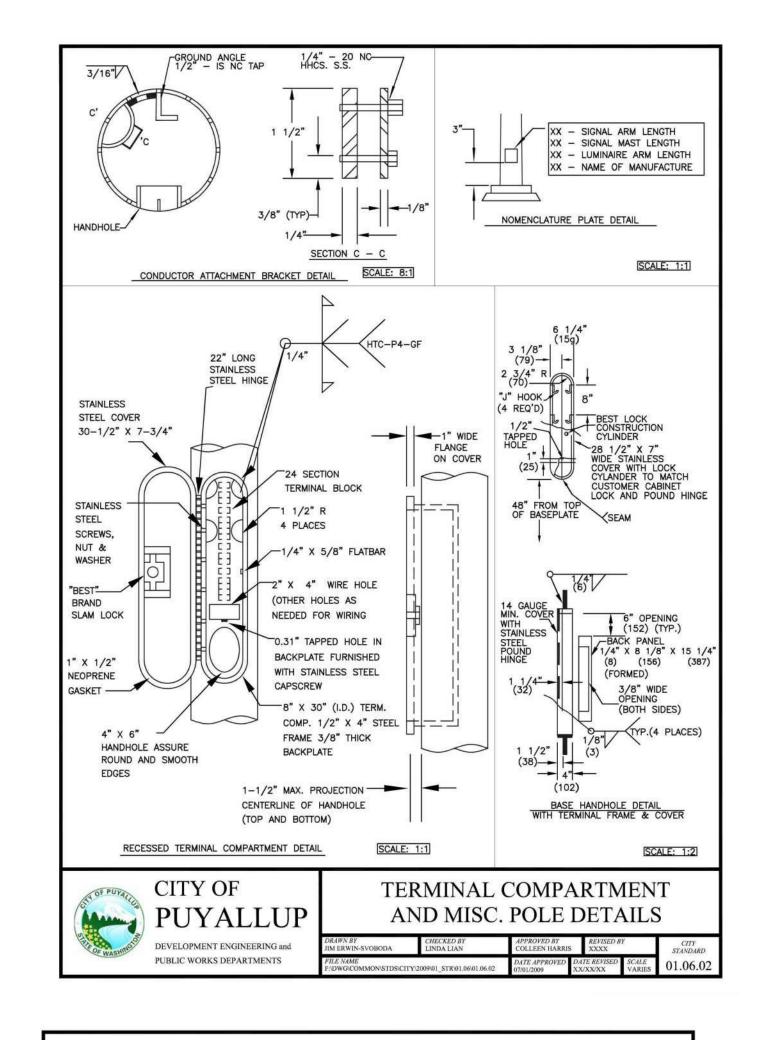
SHEET: 42 **OF** 44

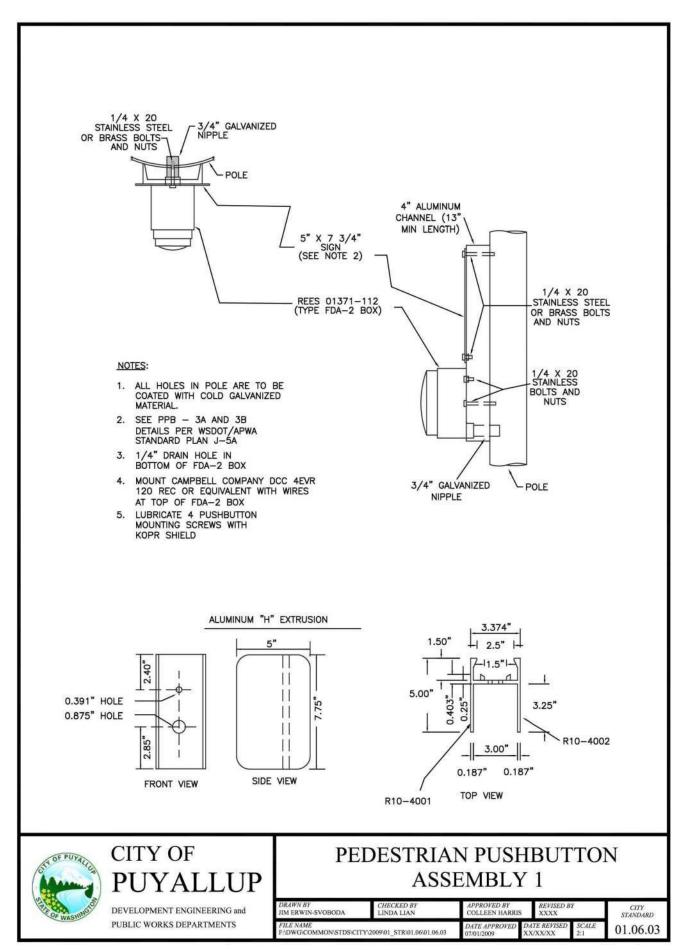
SECTION 26, TOWNSHIP 20 N, RANGE 4 E, W.M.

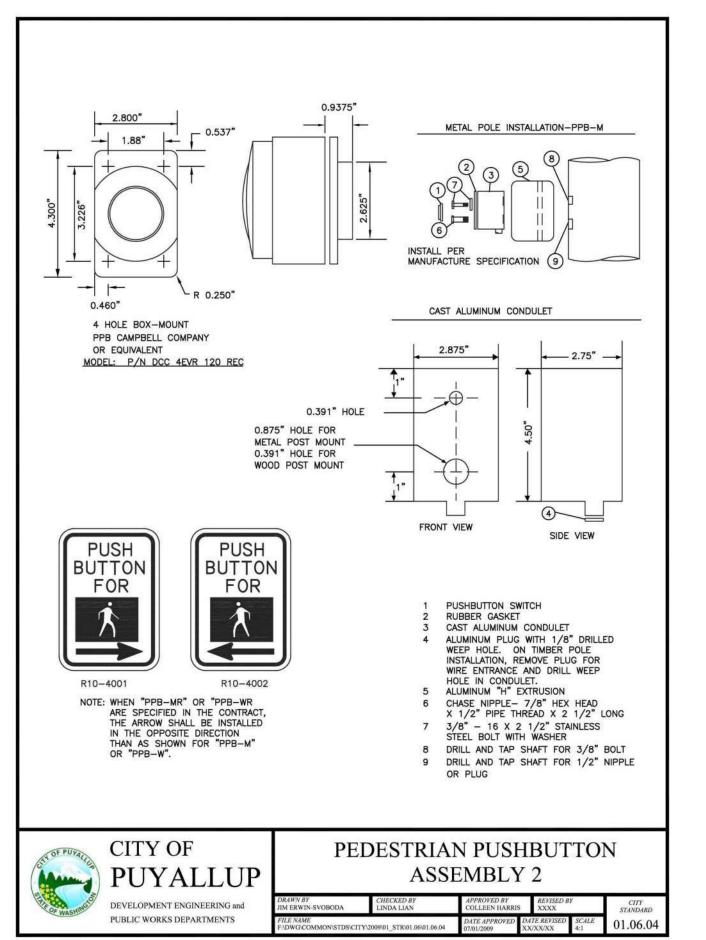


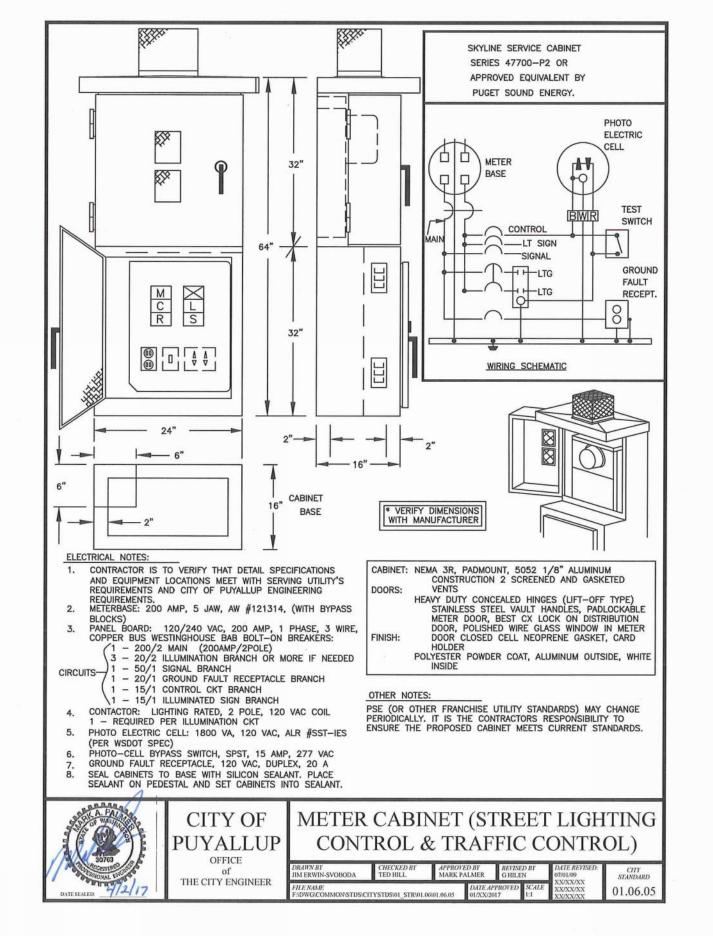


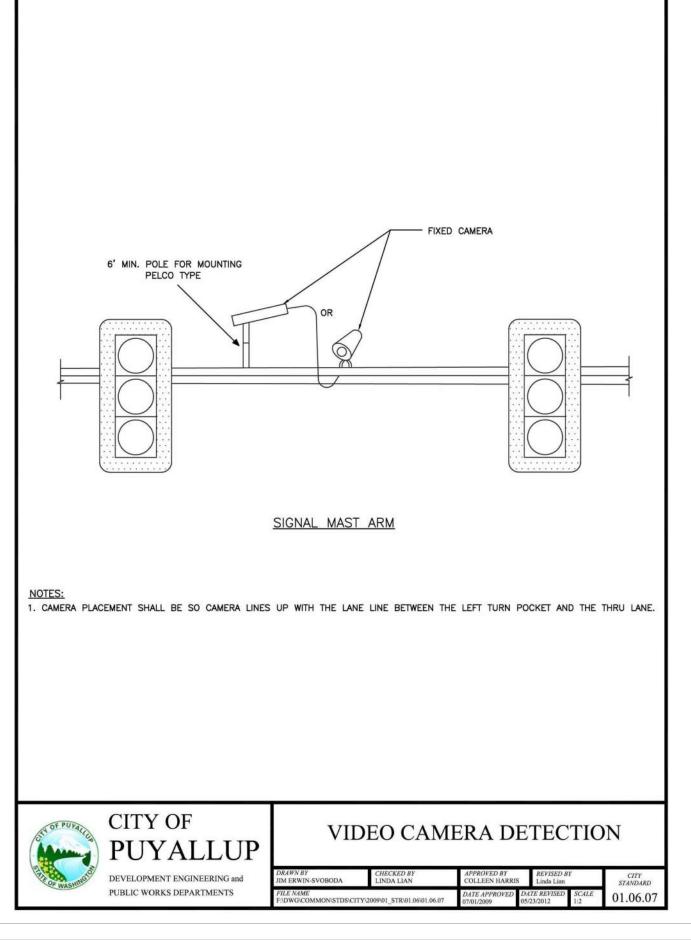


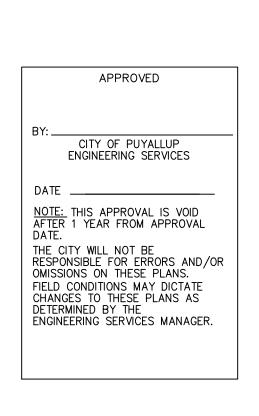




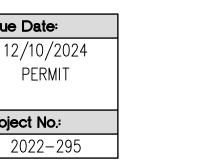








Designed By		Revision Description	By	Date	No.
VNF					
Drawn By:] [
VNF] [
Checked By] [
TTT	1 [



Issue Date:

Project No.:

PERMIT

Designed By:

Checked By:





ASH DEVELOPMENT, LLC EAST TOWN CROSSING PUYALLUP, WA

TRAFFIC SIGNAL STANDARD DETAILS — PHASE

TS-06 SHEET: OF

THE INTENT OF THE FOLLOWING SPECIFICATION IS TO PROVIDE A COMPLETE, READY TO INSTALL, 2-WAY PAGING CONTROL, SOLAR POWERED SCHOOL ZONE FLASHING BEACON SYSTEM.

THE PURPOSE OF THIS SPECIFICATION IS TO DESCRIBE THE MINIMUM ACCEPTABLE DESIGN FOR A 2-WAY PAGING SOLAR POWERED. DUAL BEACON SCHOOL ZONE FLASHING BEACON SYSTEM. THE SYSTEM WILL BE DESIGNED TO OPERATE FOR A PERIOD OF 4 HOURS PER DAY, 5 DAYS PER WEEK. THE SYSTEM SHALL BE DESIGNED TO OPERATE WITH A PROBABILITY OF NO LOSS OF LOAD DURING ALL MONTHS OF THE YEAR.

THE CABINET SHALL BE MANUFACTURED OF 0.125" SHEET ALUMINUM. NOMINAL CABINET DIMENSIONS SHALL BE 26.25" H x 15.5" W x 14.75" D. THE CABINET SHALL BE A TWO (2)COMPARTMENT TYPE, THE BOTTOM COMPARTMENT SHALL HAVE A NEOPRENE GASKET SEAL SO AS TO PREVENT BATTERY GASES FROM SEEPING INTO THE TOP COMPARTMENT. THE CABINET SHALL HAVE WIRE SCREENED INSECT PROOF LOUVERS ON EACH SIDE OF BOTH COMPARTMENTS FOR VENTILATION. THE LOUVERS SHALL BE DESIGNED TO NOT ALLOW ANY RAIN TO ENTER THE CABINET. ON THE BOTTOM OF THE CABINET THERE SHALL BE TWO SCREENED INSECT PROOF DRAIN HOLES.

THE DOOR SHALL BE A SINGLE UNIT WITH A CONTINUOUS PIANO HINGE RIVETED TO THE DOOR AND THE CABINET. THE DOOR SHALL INCORPORATE A NEOPRENE GASKET WHICH, WHEN CLOSED, FORMS A SNUG WEATHER TIGHT SEAL. THE DOOR LOCK SHALL BE A STANDARD POLICE LOCK, REINFORCED WITH A STEEL PLATE.

EACH CABINET SHALL BE EQUIPPED WITH THE NECESSARY RIGID TOP AND BOTTOM MOUNT FOR A 4" ID POLE WITH 4.5" OD POLE CLAMPS. ALL NECESSARY HARDWARE FOR PROPER MOUNTING SHALL BE INCLUDED.

2 CONTROL PANEL

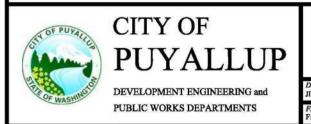
THE CONTROL PANEL CONTAINING THE ELECTRONICS (SOLAR CHARGE CONTROLLER AND FLASHER) AND 2-WAY PAGING TIME CLOCK SHALL BE MOUNTED IN THE TOP COMPARTMENT OF THE CABINET USING BOLTS WITH WING NUTS FOR QUICK AND EASY REMOVAL. THE SOLAR PANEL BEACON AND BATTERY SHALL BE CONNECTED THROUGH A MAIN WIRING HARNESS VIA A CIRCULAR PIN

THE SOLAR PANELS, LOAD, AND BATTERY SHALL BE FUSED FOR SHORT CIRCUIT PROTECTION AND EASE OF SYSTEM MAINTENANCE.

SOLAR CHARGE CONTROLLER

THE SOLAR CHARGE CONTROLLER SHALL CONTROL BATTERY CHARGING THROUGH PULSE WIDTH, MODULATED, TEMPERATURE COMPENSATING, CONSTANT CHARGING ALGORITHM. THE SOLAR CHARGE CONTROLLER WILL HAVE BOTH A LOW VOLTAGE DISCONNECT (LVD) OF 11.4 VDC AND A HIGH VOLTAGE DISCONNECT (HVD) OF 15.5 VDC. A LIQUID CRYSTAL DISPLAY (LCD) OF BATTERY VOLTAGE, SOLAR ARRAY CURRENT, AND LOAD CURRENT WILL BE AVAILABLE WITH THE SOLAR CHARGE CONTROLLER. IN ADDITION, COLORED LED'S WILL DISPLAY BATTERY STATE. A GREEN LED WILL INDICATE FULL CHARGE, AMBER LED WILL INDICATE HALF CHARGE, AND A FLASHING RED LED WILL INDICATE LOW CHARGE. A SOLID GLOWING RED LED WILL INDICATE THE LOAD HAS BEEN DISCONNECTED. A SEPARATE GREEN LED WILL INDICATE THE BATTERY IS BEING CHARGED.

THE SOLAR CHARGE CONTROLLER WILL HAVE A LOAD DISCONNECT PUSHBUTTON. WHEN THE LOAD IS DISCONNECTED THE BUTTON WILL GLOW RED.



SOLAR POWERED SCHOOL ZONE FLASHING BEACON SYSTEM NOTES

<i>WN BY</i> ERWIN-SVOBODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED B XXXX	Y	CITY STANDARD
NAME WG\COMMON\STDS\CIT	TYSTDS\STR\01.07\01.07.03	DATE APPROVED 07/01/2009	DATE REVISED XX/XX/XX	SCALE 1:1	01.07.03

THE SOLAR CHARGE CONTROLLER WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C.

THE FLASHER SHALL BE SOLID STATE, 2 CIRCUIT DEVICE WHICH CONTROLS THE FLASHING SEQUENCE OF THE BEACON. THE FLASHER WILL HAVE A SELECTABLE FLASH RATE OF 35-70 FLASHES PER MINUTE AND WILL FLASH A DUTY CYCLE OF 50% ON AND 50%

THE FLASHER WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C.

3. 2-WAY PAGING TIME CLOCK

THE 2-WAY PAGING TIME CLOCK WILL CONTAIN BOTH THE CAPABILITY OF RECEIVING PAGES FROM A CENTRAL LOCATION AND RESPONDING VIA EMAIL TO A DESIGNATED ADDRESS. THE 2-WAY PAGING TIME CLOCK WILL BE ABLE TO RECEIVE AND STORE AN ANNUAL PROGRAM OF UP TO 960 CHARACTERS INCLUDING STEPS AND EXCEPTIONS, AN ALTERNATE PROGRAM, AND AN IMMEDIATE PROGRAM. THE 2-WAY PAGING TIME CLOCK WILL SELECT THE APPROPRIATE PROGRAM AND/OR EXCEPTION FOR TODAY AND WILL RUN THAT PROGRAM. THE 2-WAY PAGING TIME CLOCK WILL ALSO HAVE THE CAPABILITY OF BEING PROGRAMMED VIA A KEY PAD ON THE TIME CLOCK.

THE 2-WAY PAGING TIME CLOCK WILL CONTAIN WATCH DOG CIRCUITS TO ENSURE THAT THE CLOCK RESETS ITSELF SHOULD IT FAULT FOR A PERIOD GREATER THAN SPECIFIED. THE CLOCK WILL CONTAIN 2 OUTPUT CIRCUITS, EACH CIRCUIT RATED AT 16 AMPS. THE CLOCK WILL BE CAPABLE OF BEING POWERED BY EITHER DC OR AC POWER. THE CLOCK WILL CONTAIN NON-VOLATILE MEMORY SO THAT A POWER FAILURE WILL NOT ERASE THE PROGRAM. THE CLOCK WILL HAVE CAPACITIVE BACKUP POWER RATED AT 168 HOURS IN THE EVENT OF POWER FAILURE. THE CLOCK WILL BE CAPABLE OF LEAP YEAR COMPENSATION AND WILL AUTOMATICALLY

SYSTEM SOFTWARE WILL BE PROVIDED FOR OPERATION OF THE SYSTEM. FUNCTIONS AND FEATURES OF THE SOFTWARE ARE DESCRIBED IN SECTION 3.1.

THE 2-WAY PAGING TIME CLOCK WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C

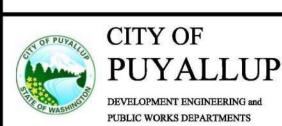
3.1 2-WAY PAGING SYSTEM SOFTWARE

THE 2-WAY PAGING SYSTEM SOFTWARE WILL RUN ON A STANDARD PC USING A WINDOWS 2000, XP, OR VISTA OPERATING

THE SOFTWARE WILL HAVE THE CAPABILITY TO ASSIGN 99 GROUPS WITH 99 UNITS PER GROUP. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN ANNUAL PROGRAM WITH EXCEPTIONS FOR EACH GROUP AND WILL ALLOW THE USER TO COPY PROGRAMS FROM ONE GROUP TO ANOTHER GROUP. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN ALTERNATE PROGRAM WHICH OVERRIDES THE ANNUAL PROGRAM FOR A SPECIFIED PERIOD. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN IMMEDIATE EXECUTABLE PROGRAM WHICH OPERATES ONLY ON THE DATE OF THE PROGRAM. THE SOFTWARE WILL ALSO ALLOW THE USER TO CONTROL THE CLOCK MANUALLY.

THE SOFTWARE WILL ALLOW THE USER TO PRINT A HARDCOPY LISTING OF ALL SCHOOL PROGRAMS, IT WILL ALLOW THE USER TO PRINT A LISTING OR ALL REMOTE SITES. IT WILL MAINTAIN A HISTORY OF THE LAST 500 PAGE MESSAGES SENT TO REMOTE

THE SOFTWARE WILL ALLOW THE USER TO ADDRESS AND SEND A PAGE MESSAGE TO ALL UNITS WITH ONE COMMAND, ANY GROUP OF UNITS WITH ONE COMMAND, OR A SINGLE UNIT WITH ONE COMMAND.



SOLAR POWERED SCHOOL ZONE PUYALLUP | FLASHING BEACON SYSTEM NOTES

11011	II TO DEAT		. DIL	4T T 4	OILS
-SVOBODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRI	S REVISED B	Y	CITY STANDARD
MMONSTIDS/CITYSTIDS/STB/01 07/01 07 04		DATE APPROVED DATE REVISES		SCALE	01.07.04

THE SOFTWARE WILL ALLOW THE USER TO CHANGE THE EMAIL ADDRESS TO WHICH THE UNIT RESPONDS, TO SEND AN ANNUAL PROGRAM WITH EXCEPTIONS, TO SEND AN ALTERNATE PROGRAM, TO SEND AN IMMEDIATE PROGRAM, TO TURN ON OR TURN OFF THE RELAYS MANUALLY, TO SEND A TIME UPDATE, OR TO QUERY THE UNITS REGARDING STATUS (DATE, TIME, UNIT IDENTIFICATION, PROGRAM RUNNING, AND RELAY STATE).

THE SOLAR PANEL WILL BE HIGH EFFICIENCY, SINGLE CRYSTAL SILICON SOLAR CELLS THAT ARE LAMINATED TO GLASS WITH LAYERS OF ETHYLENE VINYL ACETATE (EVA). THE PANEL WILL BE SELF-CLEANING, IMPACT RESISTANT, HIGHLY TRANSMISSIVE, TEMPERED GLASS SUPERSTATE. THE PANEL MODULE FRAME WILL BE MADE OF EXTRUDED, POLYMER COATED ALUMINUM ALLOY OR SIMILAR APPROVED CONSTRUCTION. THE PANEL MODULE JUNCTION BOX WILL BE A UV RESISTANT, WEATHERPROOF WIRE TERMINATION SYSTEM WHICH HANDLES #14 AWG WIRING. THE MINIMUM ACCEPTABLE WATTAGE OF THE SOLAR PANEL WILL BE 85 WATTS.

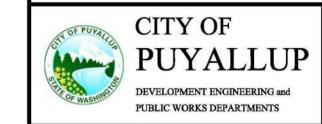
THE BATTERIES WILL BE A TYPE 27 ABSORBED GLASS MAT (AGM) LEAD ACID TYPE 12 VOLT DC BATTERY. THE BATTERIES WILL CONTAIN VALVE REGULATION WITH A SELF DISCHARGE RATE OF 1% PER MONTH OR LESS (AT 68 DEGREES F). THE BATTERIES WILL UTILIZE T881 TERMINALS. THE POSITIVE TERMINAL WILL BE COVERED WITH A RUBBER BOOT TO PROTECT THE BATTERIES FROM ACCIDENTAL SHORTING.

THE SIGNAL BEACONS WILL CONSIST OF THE HEAD, AMBER LENS, VISOR, SIGNAL CLOSURE CAP, AND MOUNTING HARDWARE FOR A 4.5" OD ALUMINUM POLE. THE LENS WILL BE A 12VDC 12" AMBER LED BEACON USING ALLnGaP TECHNOLOGY. THE HEAD WILL BE A ONE PIECE POLYCARBONATE SHELL WITH THE POLYCARBONATE DOOR USING STAINLESS STEEL HINGE PINS. THUMBSCREWS WILL HOLD THE DOOR AGAINST THE BODY. THE VISOR SHALL BE A ONE PIECE POLYCARBONATE TUNNEL UNIT WHICH SHALL BE DURALOCKED AT FOUR POINTS TO THE HEAD DOOR.

THE SIGNAL BEACON WILL BE ASSEMBLED AND WIRED AS A UNIT.

THE POLE WILL BE A SCHEDULE 80 SPUN ALUMINUM 4" ID (4.5" OD) x 16' H. THE BASE WILL BE A BREAKAWAY BASE SIMILAR TO PELCO PART NUMBER PB-5340. A SET OF 4 ANCHOR BOLTS WILL BE PROVIDED. THE ANCHOR BOLTS WILL BE 3/4" x 10" AND WILL BE SIMILAR TO PELCO PART NUMBER PB-5306. A POLE COLLAR ASSEMBLY AND A POLE CAP WILL ALSO BE PROVIDED.

A MINIMUM OF ONE YEAR WARRANTY FROM THE DATE OF SYSTEM INSTALLATION WILL BE REQUIRED FOR ALL SYSTEM COMPONENTS. THE BATTERY WILL BE PRO-RATED WARRANTED FOR 5 YEARS. THE SOLAR PANEL WILL BE WARRANTED FOR 20 YEARS. ALL SHIPPING COSTS FOR WARRANTY REPAIRS WILL BE PAID BY THE VENDOR.



SOLAR POWERED SCHOOL ZONE FLASHING BEACON SYSTEM NOTES

APPROVED

CITY OF PUYALLUP ENGINEERING SERVICES

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL THE CITY WILL NOT BE
RESPONSIBLE FOR ERRORS AND/OR
OMISSIONS ON THESE PLANS.
FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE
ENGINEERING SERVICES MANAGER.

Date **Revision Description** Designed By: Issue Date: 12/10/2024 PERMIT Drawn By: Checked By: Project No.: 2022-295





ASH DEVELOPMENT, LLC EAST TOWN CROSSING PUYALLUP, WA

FLASHING BEACON STANDARD DETAILS - PHASE 1

TS-07

OF 44

SHEET: