





# EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

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

### 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 PRE-CONSTRUCTION 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 ENGINEERING 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DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").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 STATE 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.
13. 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.

### ROADWAY 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 PRE-CONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841- 5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF 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 ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. CITY OF PUYALLUP - CITY STANDARDS ROAD REVISED 11/2019 100-15
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 WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.
9. CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
10. SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 01.02.01, 01.02.02 AND 01.02.12. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 01.02.10.
11. THE SURROUNDING GROUND (5 FEET BEYOND THE BASE) FOR ALL POWER TRANSFORMERS, TELEPHONE/TV PEDESTALS, AND STREET LIGHT MAIN DISCONNECTS SHALL BE GRADED TO A POSITIVE 2 PERCENT SLOPE FROM TOP OF CURB.
12. SIGNAGE AND TRAFFIC CONTROL DEVICES ARE SAFETY ITEMS AND SHALL BE INSTALLED PRIOR TO ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY OR PLAT APPROVAL. HOWEVER, IN LARGER DEVELOPMENTS, EXACT LOCATIONS OF STOP AND YIELD SIGNS MAY NEED TO BE DETERMINED AFTER FULL BUILDOUT WHEN TRAFFIC PATTERNS HAVE BEEN ESTABLISHED. IN THIS CASE, CONTRACTOR SHALL PROVIDE INDICATED "CITY-PLACED" SIGNS, SIGNPOSTS, AND BRACKETS TO THE CITY SIGN SPECIALIST (253) 841-5471 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
13. PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 841-5471 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
14. NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

### GRADING, EROSION AND SEDIMENTATION NOTES

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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.
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6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED, THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE. CITY OF PUYALLUP - CITY STANDARDS GESG REVISED 06/06/12 50'0'-6
9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
10. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.
11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

### STORMWATER NOTES

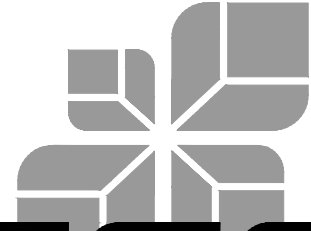
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7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
9. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
10. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
11. CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
12. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE. CITY OF PUYALLUP - CITY STANDARDS STORM REVISED 08/2024 200-22
13. CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30-20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30-30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
14. STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE. A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION. B. PVC PIPE SHALL BE PER ASTM D3034. SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET. C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET. D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT. E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
15. TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
16. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
17. ALL STORM PIPE SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 209 OF THE CITY OF PUYALLUP STORMWATER MANAGEMENT STANDARDS.
18. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.
19. REGISTRATION IS REQUIRED FOR ALL CLASS V UIC WELLS WITHIN PUBLIC DRAINAGE TRACTS OR PUBLIC RIGHT OF-WAY AND MUST BE SUBMITTED SIXTY (60) DAYS PRIOR TO WELL CONSTRUCTION. A COPY OF THE ONLINE REGISTRATION SHALL BE SUBMITTED TO THE CITY PRIOR TO CONSTRUCTION.

APPROVED

BY  
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.



TACOMA • SEATTLE • SPOKANE • TRI-CITIES

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Project Title:

## EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

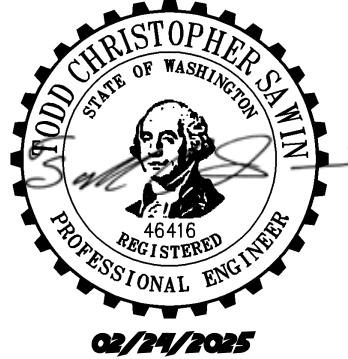
Project No.

2230752

Issue Set & Date:

## PERMIT SUBMITTAL

02/24/2025



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Know what's below.  
Call before you dig.

## CITY OF PUYALLUP NOTES

Designed by: C.JW Drawn by: SK / ZP Checked by: TCS

Sheet No.

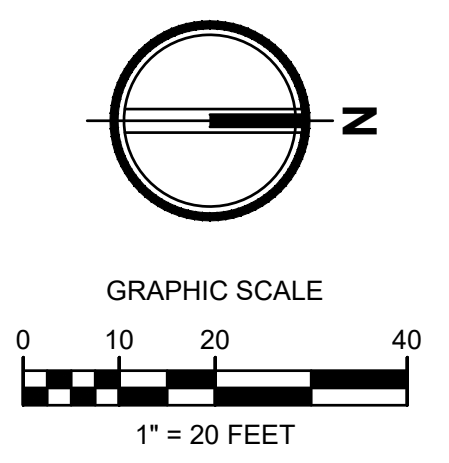
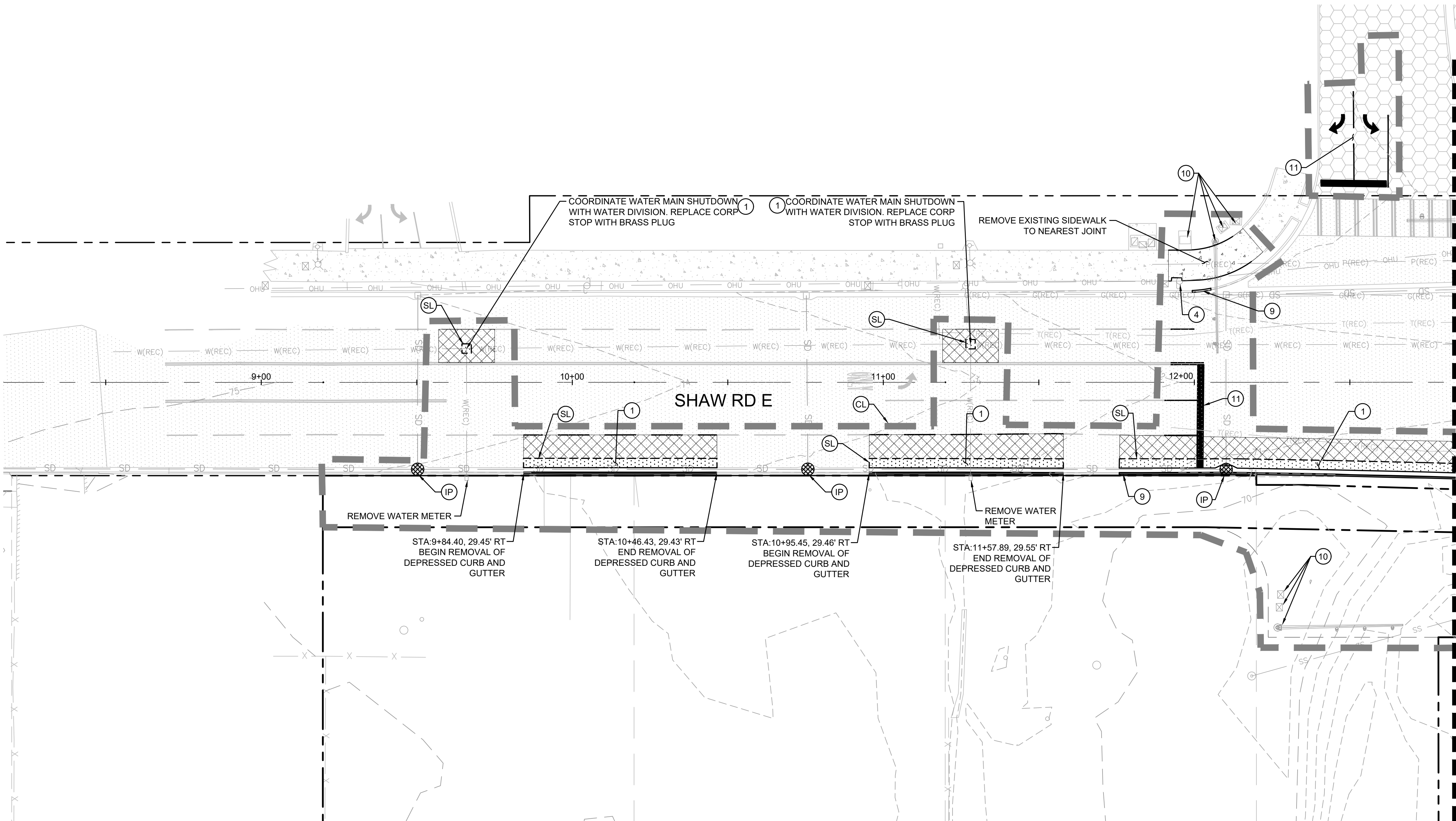
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# EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

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



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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- ### LEGEND
- RIGHT-OF-WAY / PROPERTY LINE
  - CLEARING / PROJECT LIMITS
  - CONSTRUCTION ENTRANCE
  - REMOVE EXISTING ASPHALT
  - 2" ASPHALT GRIND AND OVERLAY
  - REMOVE EXISTING CONCRETE
  - SILT FENCE
  - INLET PROTECTION
  - SAWCUT LINE
  - REMOVE EXISTING TREE
  - EXISTING TREE TO REMAIN

- ### NOTES
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND GARBAGE WITHIN THE PROJECT LIMITS AT AN APPROPRIATE FACILITY.
  - ALL CURB AND GUTTER TO BE REMOVED TO NEAREST JOINT
  - EXISTING PUBLIC UTILITIES THAT ARE IN CONFLICT WITH PROPOSED FRONTAGE IMPROVEMENTS SHALL BE RELOCATED AS NECESSARY TO MEET ALL APPLICABLE CITY, STATE, AND FEDERAL REQUIREMENTS.
  - 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 AND GUTTER
  - 10 PROTECT EXISTING UTILITY
  - 11 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 MARKINGS



Project Title:

## EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

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Issue Set & Date:

## PERMIT SUBMITTAL

12/16/2024



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Revisions:	

Sheet Title:

## SHAW ROAD E TESC AND DEMOLITION PLAN

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.

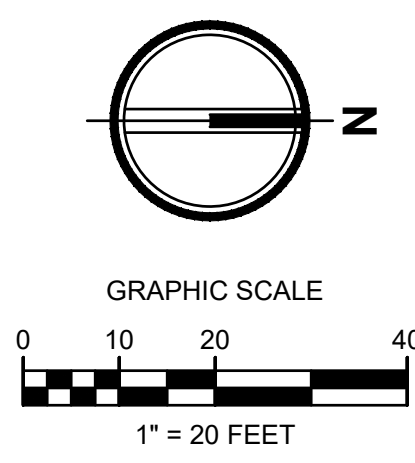
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EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS  
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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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**

Client:

**ASH DEVELOPMENT**

GREG HELLE

GREG.HELLE@ASHNW.COM

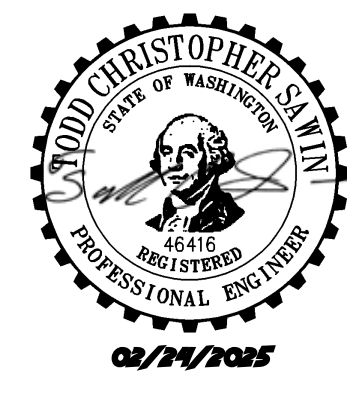
Project No.

2230752

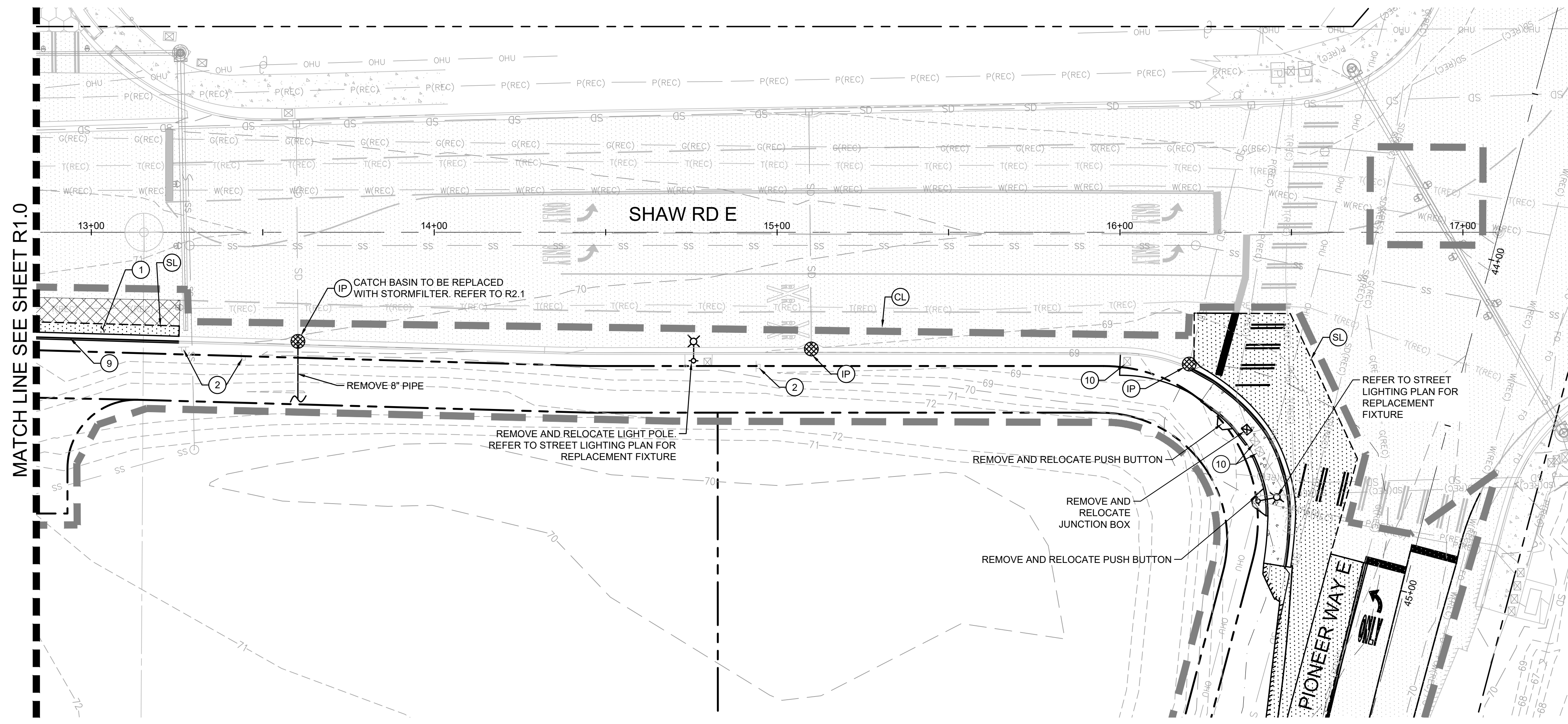
Issue Set & Date:

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12/16/2024



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**LEGEND**

---	RIGHT-OF-WAY / PROPERTY LINE
CL	CLEARING / PROJECT LIMITS
CE	CONSTRUCTION ENTRANCE
---	REMOVE EXISTING ASPHALT
---	2" ASPHALT GRIND AND OVERLAY
---	REMOVE EXISTING CONCRETE
SF	SILT FENCE
IP	INLET PROTECTION
SL	SAWCUT LINE
★	REMOVE EXISTING TREE
○	EXISTING TREE TO REMAIN

- NOTES**
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND GARBAGE WITHIN THE PROJECT LIMITS AT AN APPROPRIATE FACILITY.
  - ALL CURB AND GUTTER TO BE REMOVED TO NEAREST JOINT
  - EXISTING PUBLIC UTILITIES THAT ARE IN CONFLICT WITH PROPOSED FRONTAGE IMPROVEMENTS SHALL BE RELOCATED AS NECESSARY TO MEET ALL APPLICABLE CITY, STATE, AND FEDERAL REQUIREMENTS.
  - 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**
- REMOVE EXISTING ASPHALT PAVEMENT.
  - PROTECT EXISTING SIGN TO REMAIN
  - NOT USED
  - PROTECT EXISTING POWER POLE
  - SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
  - REMOVE AND RELOCATE SIGN SEE SHEETS R2.0 - R2.1 FOR LOCATION
  - NOT USED
  - NOT USED
  - REMOVE EXISTING CONCRETE CURB AND GUTTER
  - 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 MARKINGS



**811**

Know what's below.  
Call before you dig.

Revisions:


Sheet Title:

**SHAW ROAD E TESC AND DEMOLITION PLAN**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.

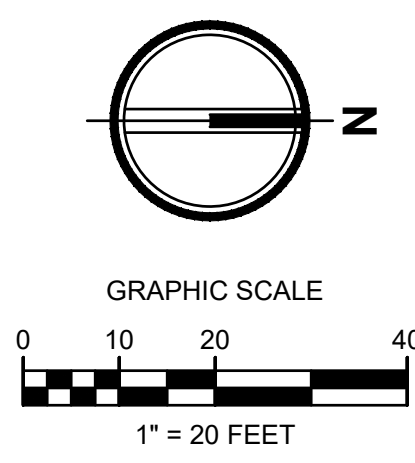
**R1.1**

4 of 44 Sheets



# EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

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



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

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Project Title:

### EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

updated sheet references to pm-05 752

Issue Set & Date:

### PERMIT SUBMITTAL

Verify-Sheet reference: [Plans: Sht R2.0 of 46] 12/16/2024



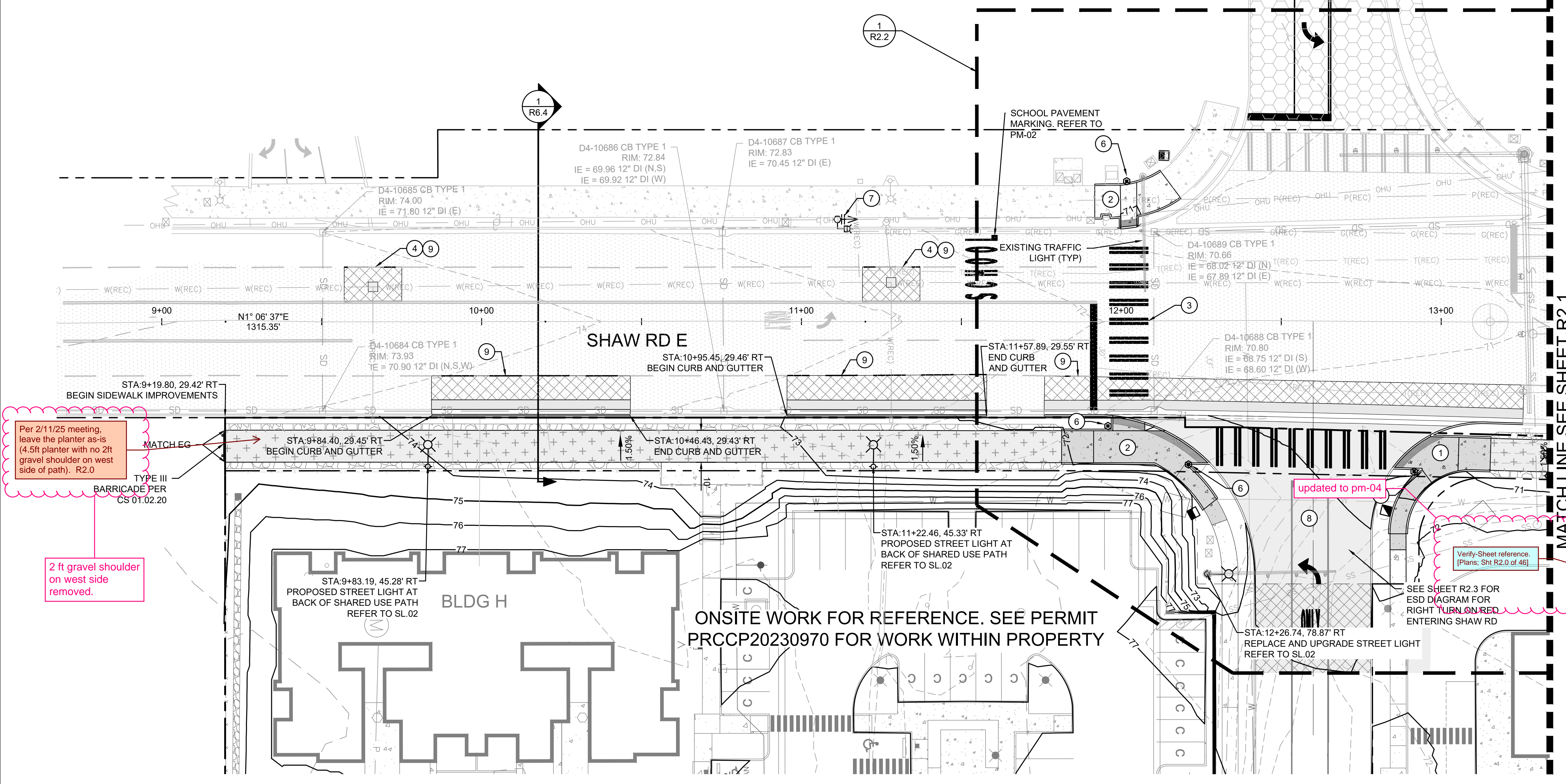
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- LEGEND:**
- RIGHT-OF-WAY/PROPERTY LINE
  - CENTERLINE
  - POROUS HMA
  - ASPHALT PAVEMENT - STD. DUTY
  - ASPHALT PAVEMENT ATB
  - PERVIOUS CONCRETE SIDEWALK
  - CONCRETE SIDEWALK
  - GRIND AND OVERLAY
  - CONCRETE CURB AND GUTTER  
SEE CITY STANDARD NO. 01.02.09
  - FLUSH CURB
  - DETECTABLE WARNING SURFACE
  - GRAVEL
  - LEFT PAVEMENT ARROW PER CITY STANDARD NO. 01.03.14 ON PM-05 AND ONLY PAVEMENT MARKER PER CITY STANDARD NO. 01.03.15 ON PM-04

- KEYNOTES**
- ADA RAMP - SINGLE DIRECTIONAL
  - ADA RAMP - PARALLEL
  - CROSSWALK STRIPING - SEE CITY STANDARD NO. 01.03.11 ON PM-03
  - STREET PATCH - SEE CITY STANDARD NO. 01.01.20 AND 06.01.01
  - CONCRETE VALLEY GUTTER
  - PEDESTRIAN PUSH BUTTON. REFER TO SIGNAL PLANS
  - FLASHING BEACON. REFER TO SIGNAL PLANS
  - STANDARD COMMERCIAL APPROACH - SEE CITY STANDARD NO. 01.02.16 ON R6.7
  - REPLACE PAVEMENT MARKINGS IN-KIND PER CITY STANDARD NO. 01.03.10 ON PM-03

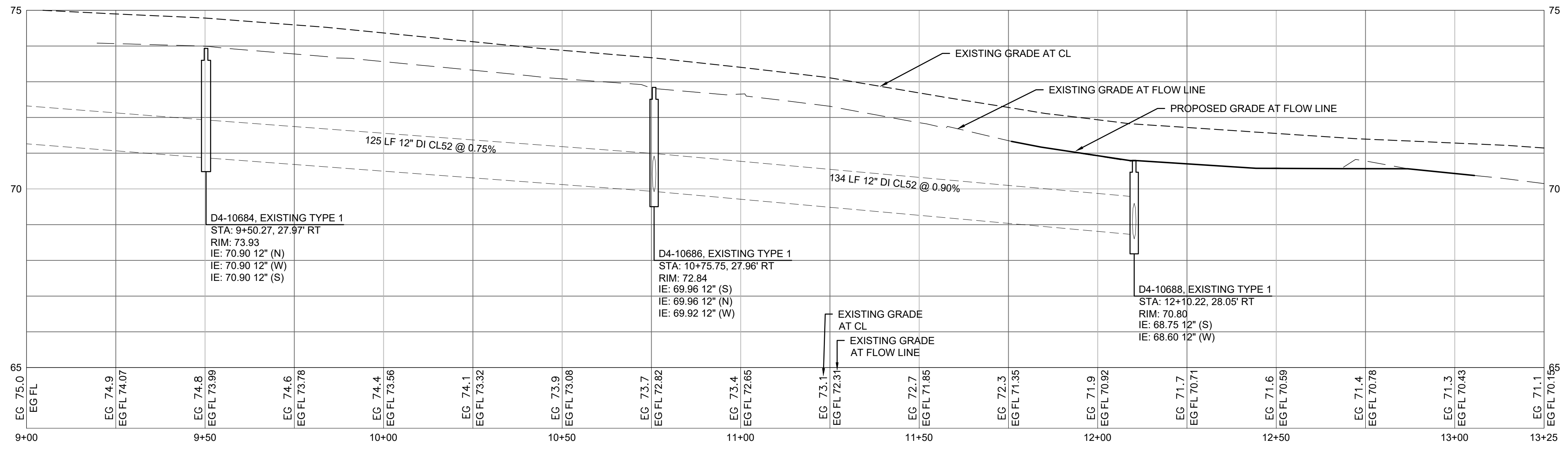
- NOTES**
- SHARED USE PATH TO BE PERVIOUS PAVEMENT AND ADA RAMPS TO BE CONVENTIONAL CONCRETE PAVEMENT
  - PROPOSED STREET LIGHTS ALONG SHAW ROAD SHALL MAINTAIN A MINIMUM OF 1 FT OF SEPARATION BETWEEN EDGE OF PAVEMENT AND EDGE OF POLE.

updated to pm-04



Per 2/11/25 meeting, leave the planter as-is (4.5ft planter with no 2ft gravel shoulder on west side of path). R2.0

2 ft gravel shoulder on west side removed.





**811**

Know what's below.  
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Revisions:

Sheet Title:

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

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.

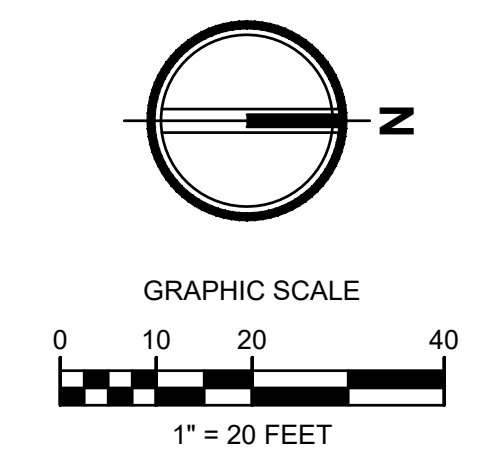
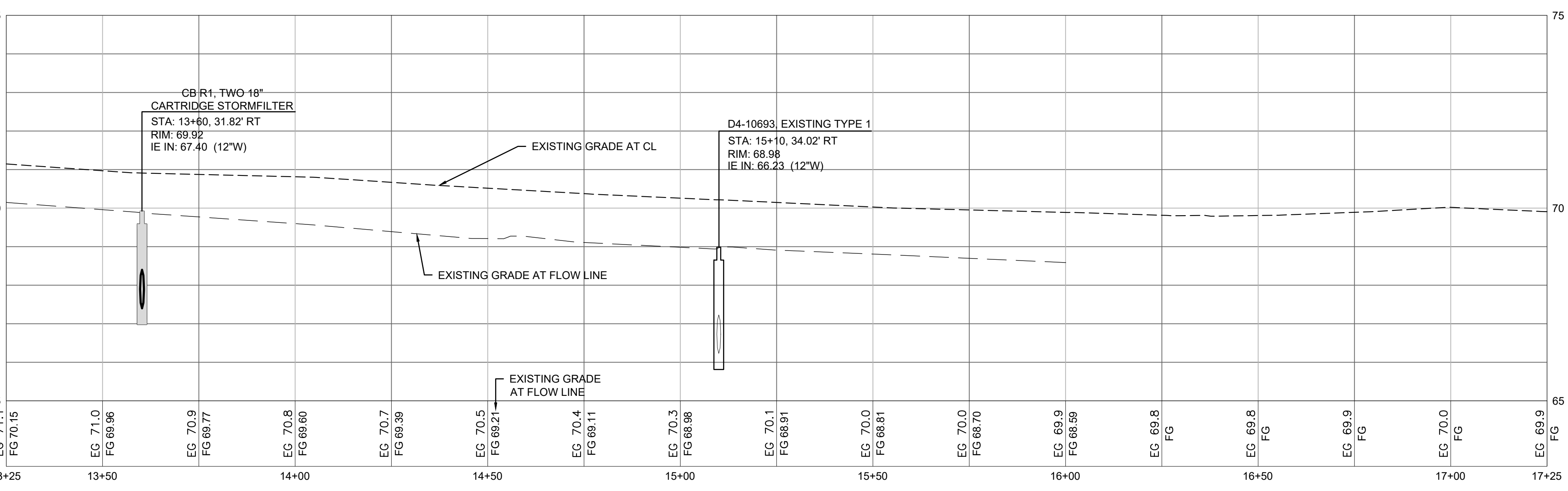
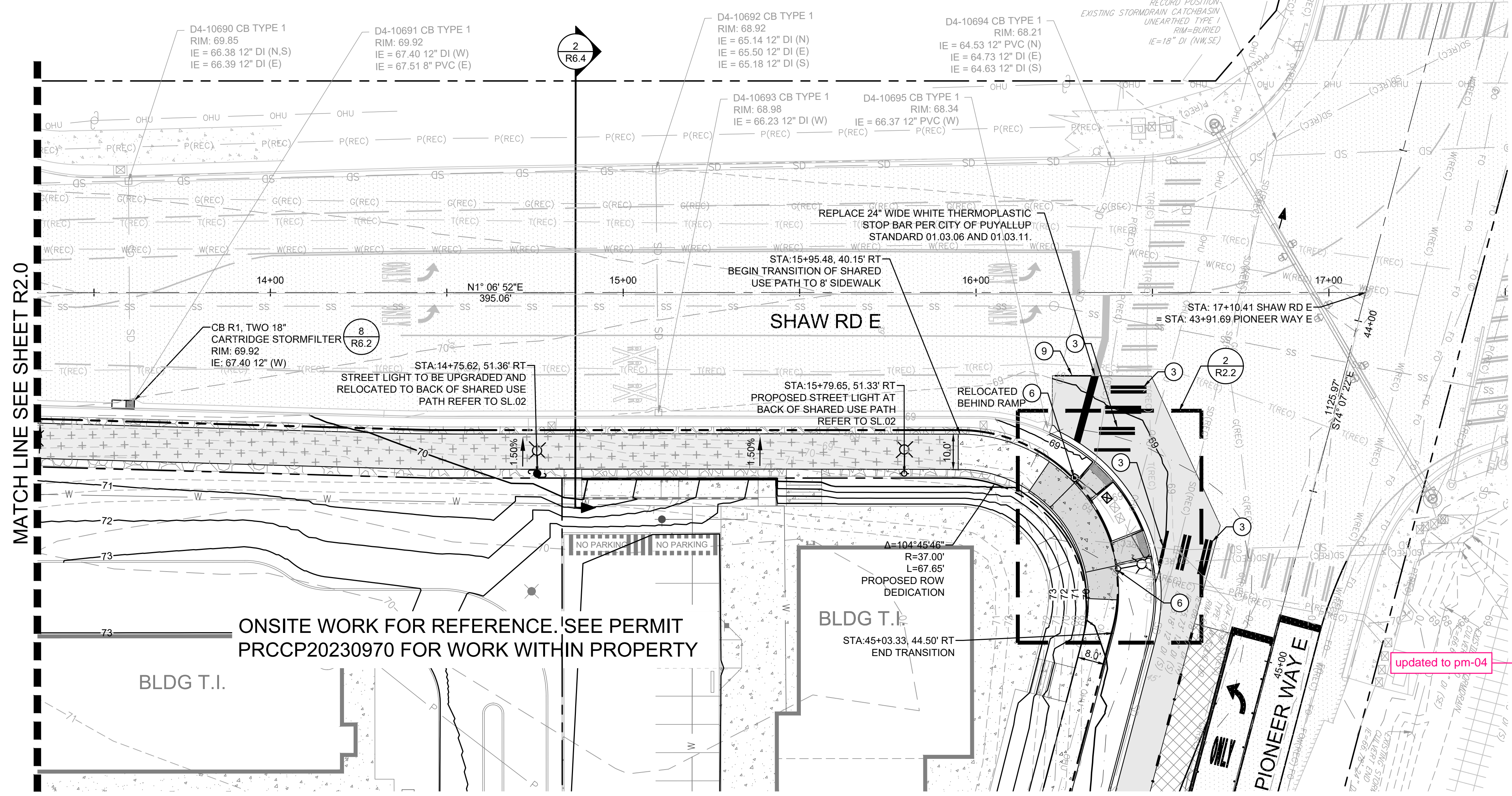
## R2.0

5 of 44 Sheets



# EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

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



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

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Project Title:

### EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.

updated sheet references to pm-05 30752

Issue Set & Date:

### PERMIT SUBMITTAL

Verify-Sheet reference: [Plans: Sht R2.1 of 46]

2/16/2024



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LEGEND:	
	RIGHT-OF-WAY/PROPERTY LINE
	CENTERLINE
	POROUS HMA (6 R6.8)
	ASPHALT PAVEMENT - STD. DUTY (1 R6.8)
	ASPHALT PAVEMENT ATB (2 R6.8)
	PERVIOUS CONCRETE SIDEWALK (3 R6.8)
	CONCRETE SIDEWALK
	GRIND AND OVERLAY (9 R6.8)
	CONCRETE CURB AND GUTTER SEE CITY STANDARD NO. 01.02.09 (3 R6.1)
	FLUSH CURB
	DETECTABLE WARNING SURFACE
	GRAVEL
	LEFT PAVEMENT ARROW PER CITY STANDARD NO. 01.03.14 ON PM-03 AND ONLY PAVEMENT MARKER PER CITY STANDARD NO. 01.03.15 ON PM-04

- ### KEYNOTES
1. ADA RAMP - SINGLE DIRECTIONAL (1 R6.1)
  2. ADA RAMP - PARALLEL (2 R6.1)
  3. CROSSWALK STRIPING - SEE CITY STANDARD NO. 01.03.11 ON PM-03
  4. STREET PATCH - SEE CITY STANDARD NO. 01.01.20 AND 06.01.01 (10 R6.8)
  5. CONCRETE VALLEY GUTTER (8 R6.8)
  6. PEDESTRIAN PUSH BUTTON. REFER TO SIGNAL PLANS
  7. FLASHING BEACON. REFER TO SIGNAL PLANS
  8. STANDARD COMMERCIAL APPROACH - SEE CITY STANDARD NO. 01.02.16 ON R6.7
  9. REPLACE PAVEMENT MARKINGS IN-KIND PER CITY STANDARD NO. 01.03.10 ON PM-03

- ### NOTES
1. SHARED USE PATH TO BE PERVIOUS PAVEMENT AND ADA RAMP TO BE CONVENTIONAL CONCRETE PAVEMENT
  2. PROPOSED STREET LIGHTS ALONG SHAW ROAD SHALL MAINTAIN A MINIMUM OF 1 FT OF SEPARATION BETWEEN EDGE OF PAVEMENT AND EDGE OF POLE.

Revisions:

△	
△	
△	
△	

Sheet Title:

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

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.

# R2.1

6 of 44 Sheets





# EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

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

APPROVED

BY  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE

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**EAST TOWN CROSSING  
FRONTAGE  
IMPROVEMENTS**

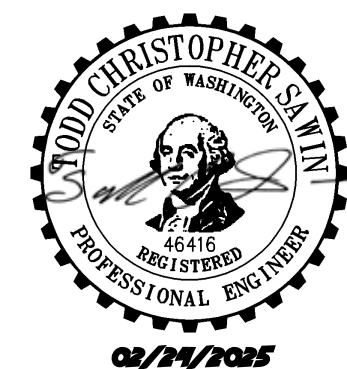
Client:  
**ASH DEVELOPMENT**

GREG HELLE  
GREG.HELLE@ASHNW.COM

Project No.  
2230752

Issue Set & Date:  
**PERMIT SUBMITTAL**

12/16/2024



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Revisions:

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Δ	
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Sheet Title:  
**DRIVEWAY DETAIL**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.  
**R2.2**  
7 of 44 Sheets

### LEGEND:

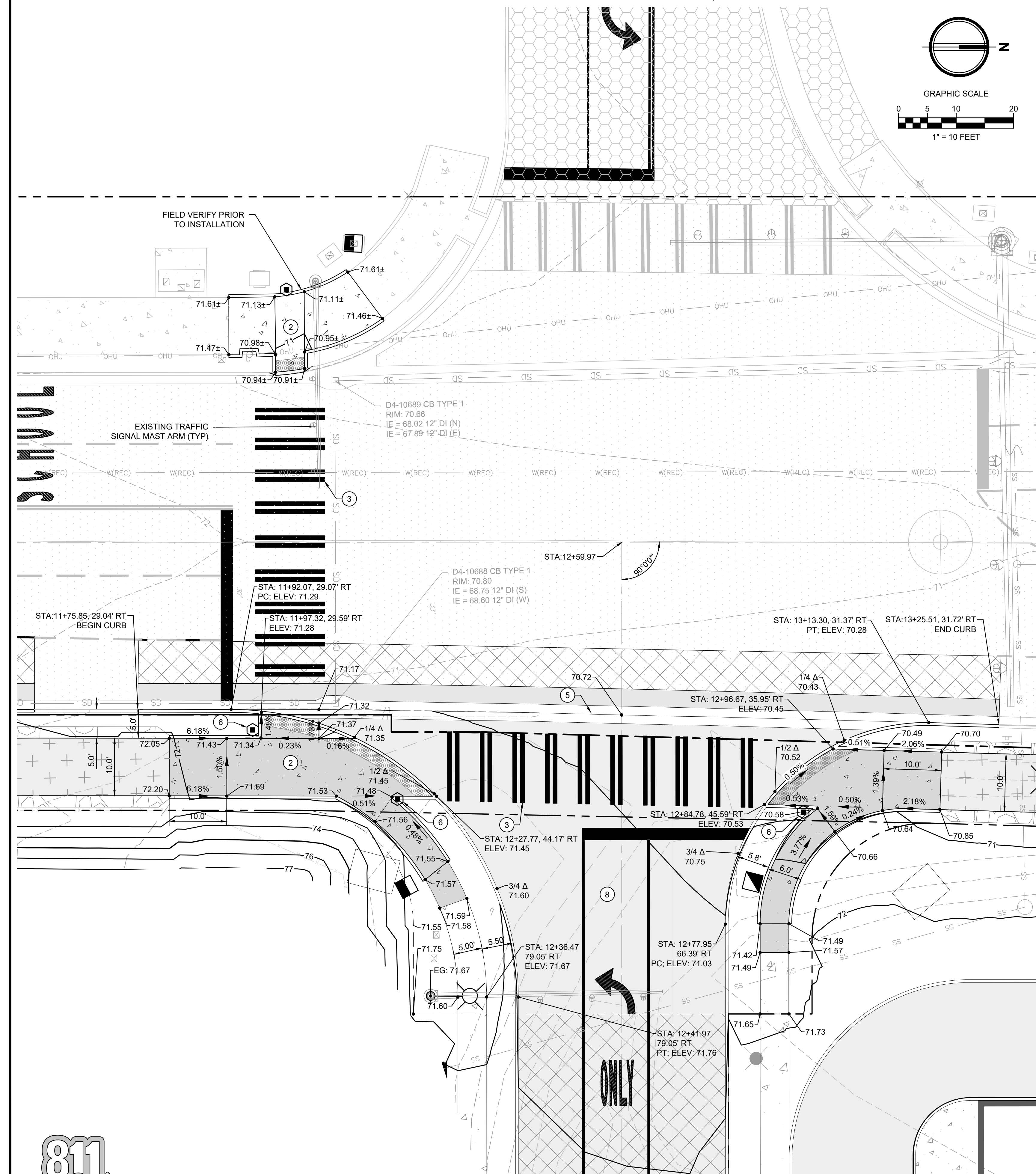
- RIGHT-OF-WAY/PROPERTY LINE
- CENTERLINE
- POROUS HMA
- ASPHALT PAVEMENT - STD. DUTY
- ASPHALT PAVEMENT ATB
- PERVIOUS CONCRETE SIDEWALK
- CONCRETE SIDEWALK
- GRIND AND OVERLAY
- CG CONCRETE CURB AND GUTTER  
SEE CITY STANDARD NO. 01.02.09
- FC FLUSH CURB
- DETECTABLE WARNING SURFACE
- GRAVEL
- LEFT PAVEMENT ARROW PER CITY  
STANDARD NO. 01.03.14 ON PM-03, AND  
ONLY PAVEMENT MARKER PER CITY  
STANDARD NO. 01.03.15 ON PM-04

### KEYNOTES

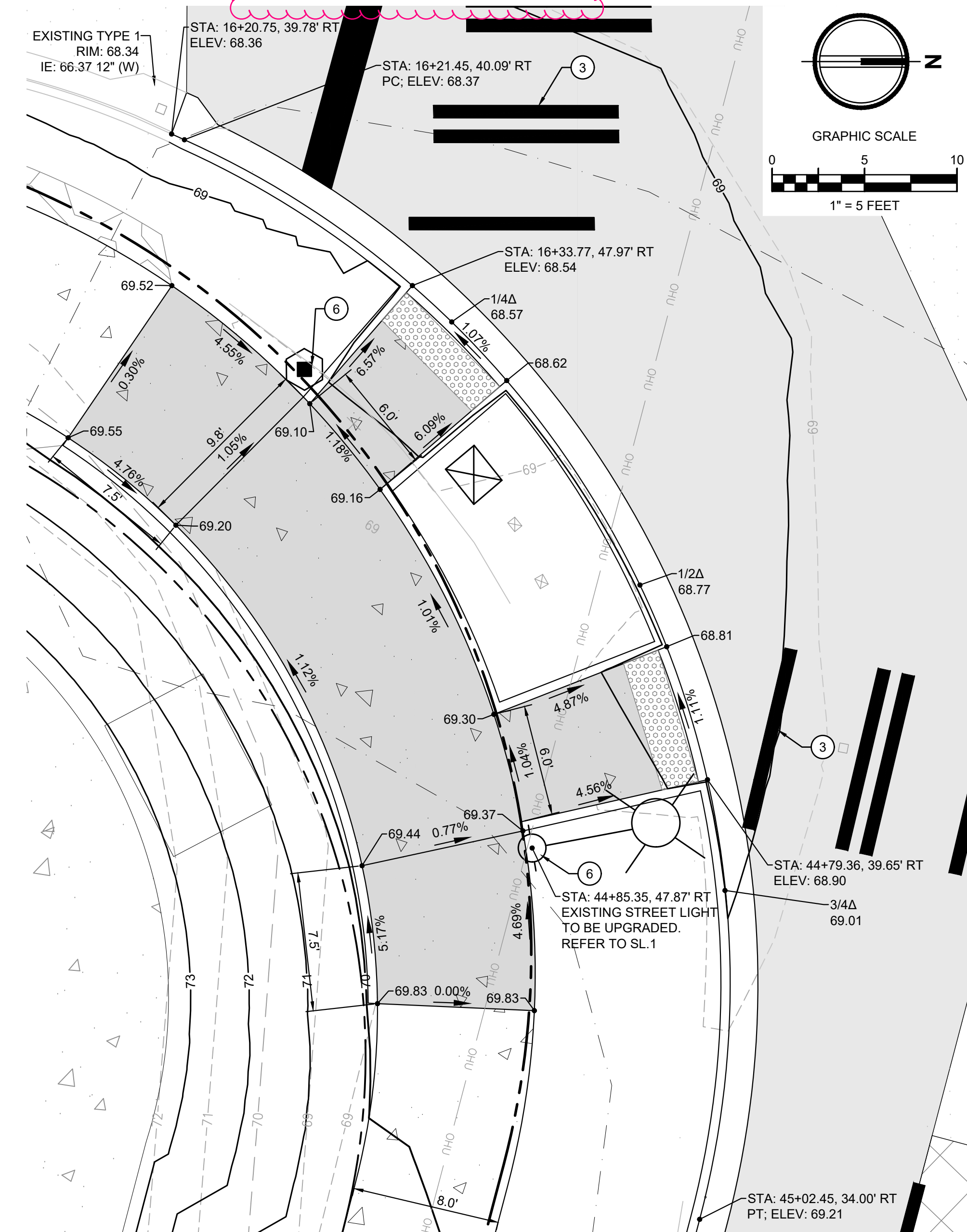
- ADA RAMP - SINGLE DIRECTIONAL
- ADA RAMP - PARALLEL
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- STREET PATCH - SEE CITY STANDARD NO. 01.01.20 AND 06.01.01
- CONCRETE VALLEY GUTTER
- PEDESTRIAN PUSH BUTTON. REFER TO SIGNAL PLANS
- FLASHING BEACON. REFER TO SIGNAL PLANS
- STANDARD COMMERCIAL APPROACH - SEE CITY STANDARD NO. 01.02.16 ON R6.7
- REPLACE PAVEMENT MARKINGS IN-KIND PER CITY STANDARD NO. 01.03.10 ON PM-03

### NOTES

- SHARED USE PATH TO BE PERVIOUS PAVEMENT AND ADA RAMP TO BE CONVENTIONAL CONCRETE PAVEMENT
- PROPOSED STREET LIGHTS ALONG SHAW ROAD SHALL MAINTAIN A MINIMUM OF 1 FT OF SEPARATION BETWEEN EDGE OF PAVEMENT AND EDGE OF POLE.



**1 SHAW DRIVEWAY GRADING ENLARGEMENT**  
1" = 10'



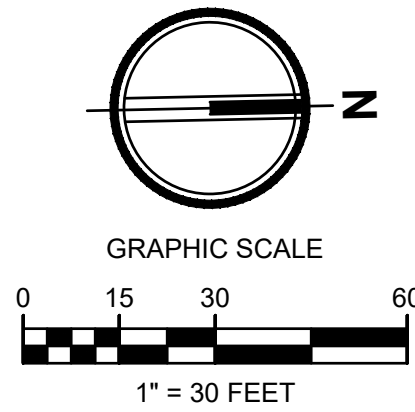
**2 PIONEER SHAW ADA RAMP GRADING ENLARGEMENT**  
1" = 5'



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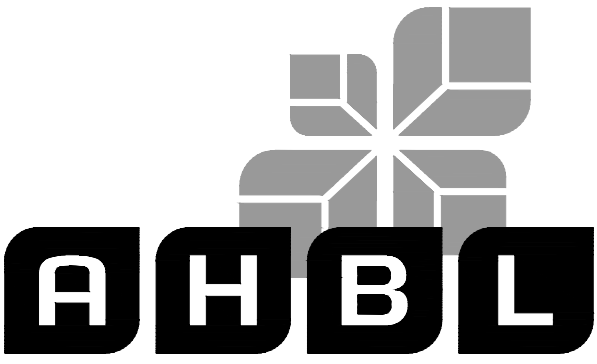
EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS  
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE \_\_\_\_\_

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MANAGER.



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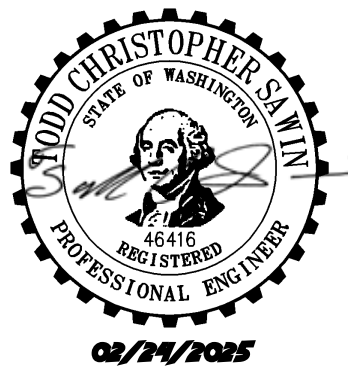
**Project Title:**  
**EAST TOWN CROSSING  
FRONTAGE  
IMPROVEMENTS**

**Client:**  
ASH DEVELOPMENT  
  
GREG HELLE  
  
GREG.HELLE@ASHNW.COM

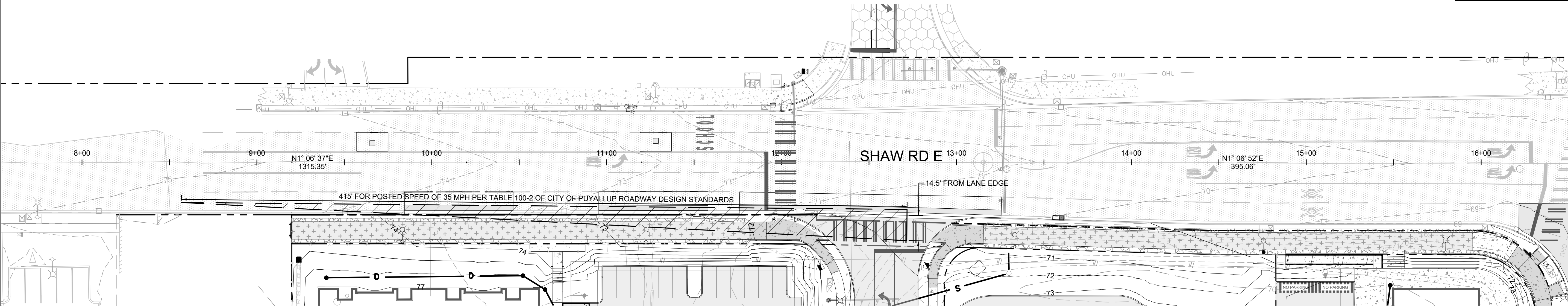
**Project No.**  
2230752

**Issue Set & Date:**  
  
**PERMIT SUBMITTAL**

12/16/2024



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Call before you dig.

A	_____
A	_____
A	_____
A	_____
Revisions:	

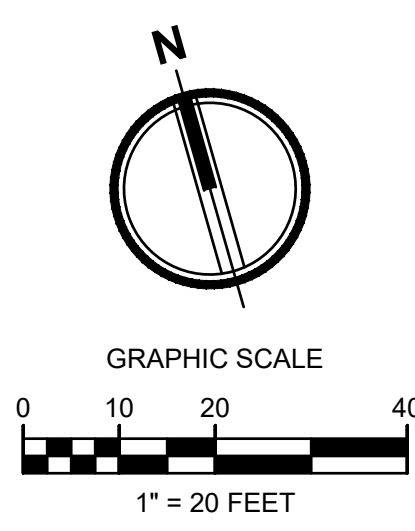
**Sheet Title:**  
**SHAW RD ENTERING  
SITE DISTANCE  
DIAGRAM**

**Designed by:** C/JW **Drawn by:** SK / ZP **Checked by:** TCS

**Sheet No.**  
**R2.3**  
8 of 44 Sheets



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



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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Project Title:

**EAST TOWN CROSSING FRONTAGE IMPROVEMENTS**

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.

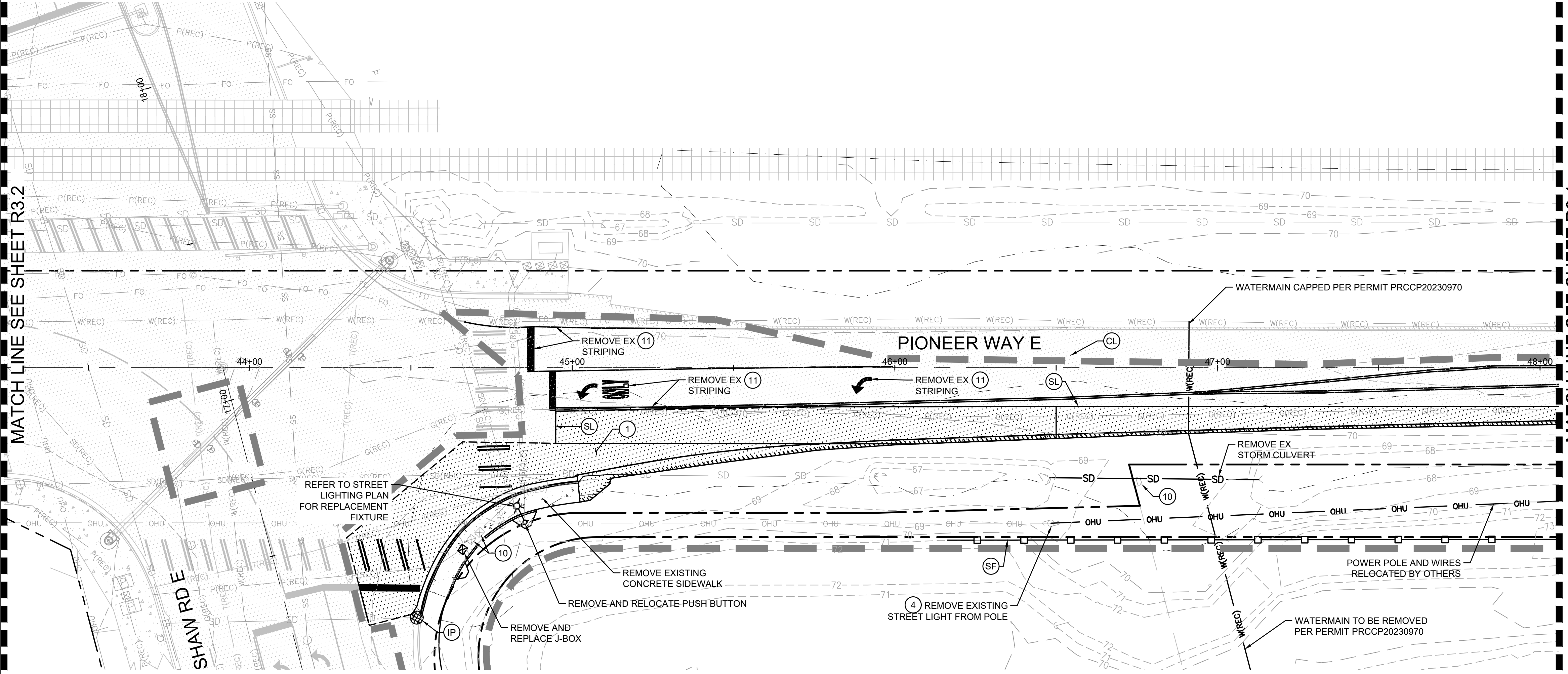
2230752

Issue Set & Date:

PERMIT SUBMITTAL

02/24/2025

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**LEGEND**

---	RIGHT-OF-WAY / PROPERTY LINE
CL	CLEARING / PROJECT LIMITS
CE	CONSTRUCTION ENTRANCE (1 R6.0)
[Pattern]	REMOVE EXISTING ASPHALT
[Pattern]	2" ASPHALT GRIND AND OVERLAY
[Pattern]	REMOVE EXISTING CONCRETE
SF	SILT FENCE (2 R6.0)
IP	INLET PROTECTION (3 R6.0)
SL	SAWCUT LINE
[Star]	REMOVE EXISTING TREE
[Star]	EXISTING TREE TO REMAIN

- NOTES**
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND GARBAGE WITHIN THE PROJECT LIMITS AT AN APPROPRIATE FACILITY.
  - ALL CURB AND GUTTER TO BE REMOVED TO NEAREST JOINT
  - EXISTING PUBLIC UTILITIES THAT ARE IN CONFLICT WITH PROPOSED FRONTAGE IMPROVEMENTS SHALL BE RELOCATED AS NECESSARY TO MEET ALL APPLICABLE CITY, STATE, AND FEDERAL REQUIREMENTS.
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- KEYNOTES**
- REMOVE EXISTING ASPHALT PAVEMENT.
  - PROTECT EXISTING SIGN TO REMAIN
  - NOT USED
  - PROTECT EXISTING POWER POLE
  - SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
  - REMOVE AND RELOCATE SIGN SEE SHEETS R5.0 FOR LOCATION
  - POWER POLE TO BE REMOVED AND RELOCATED BY PSE. SEE SHEETS R4.1 FOR LOCATION
  - NOT USED
  - REMOVE EXISTING CONCRETE CURB
  - 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 MARKINGS

Throughout the civil plan set, revise all pavement marking removal requirements consistent with TENW note below:

Remove existing striping via Hydroblasting or other city approved method R3.0

Pavement marking removal keynotes updated accordingly

**811**

Know what's below.  
Call before you dig.

Revisions:

Sheet Title:

**PIONEER WAY E TESC AND DEMOLITION PLAN**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

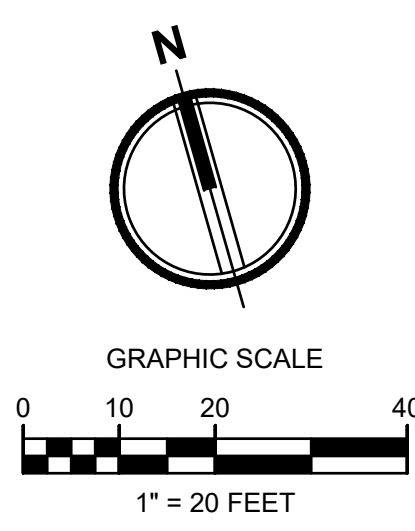
Sheet No.

**R3.0**

9 of 46 Sheets



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



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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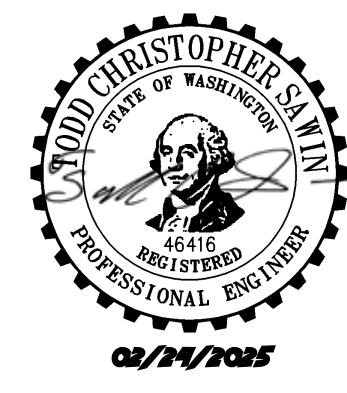
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GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.  
**2230752**

Issue Set & Date:  
**PERMIT SUBMITTAL**  
**02/24/2025**

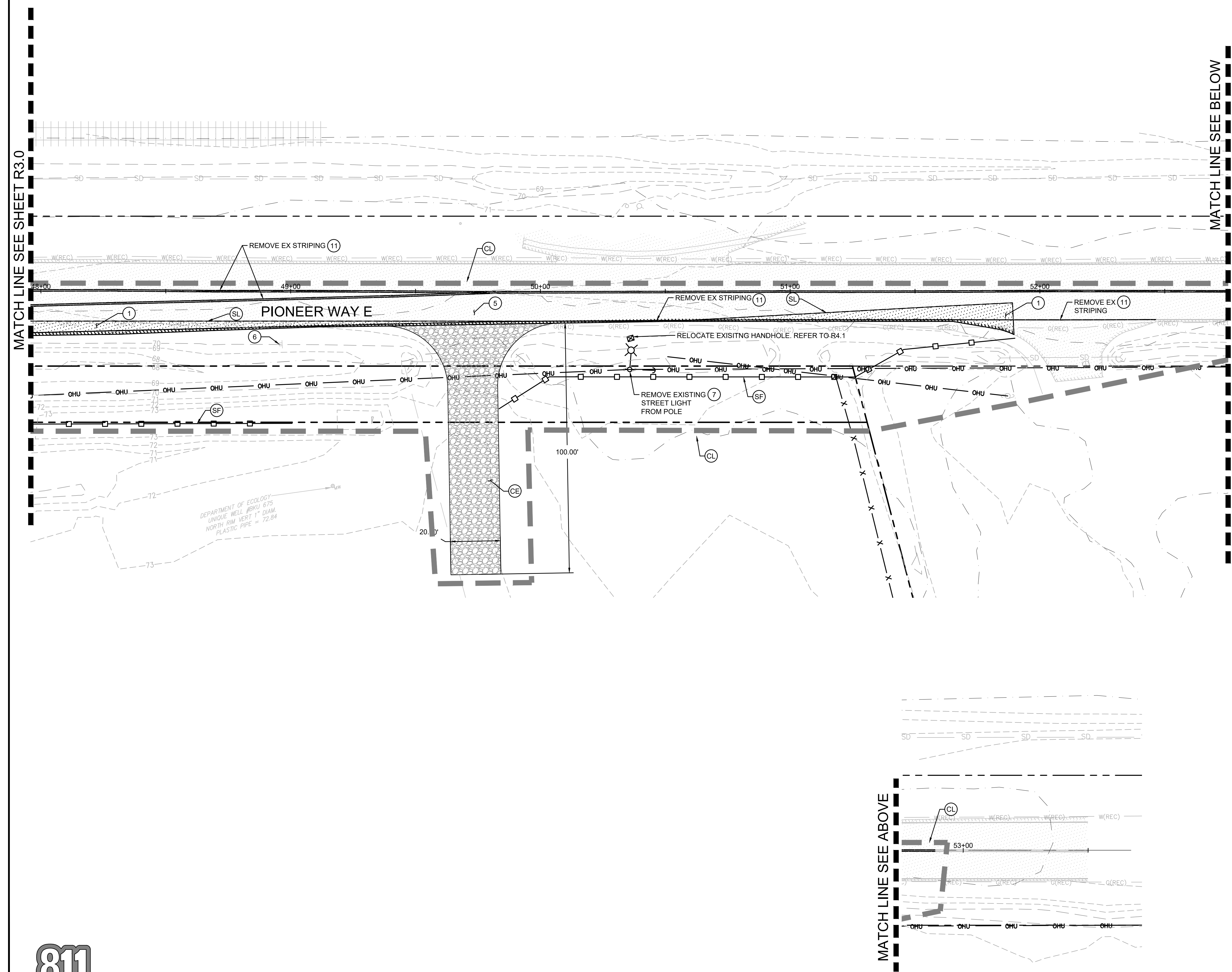


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- LEGEND**
- RIGHT-OF-WAY / PROPERTY LINE
  - CLEARING / PROJECT LIMITS
  - CONSTRUCTION ENTRANCE (1) R6.0
  - REMOVE EXISTING ASPHALT
  - 2" ASPHALT GRIND AND OVERLAY
  - REMOVE EXISTING CONCRETE
  - SILT FENCE (2) R6.0
  - INLET PROTECTION (3) R6.0
  - SAWCUT LINE
  - REMOVE EXISTING TREE
  - EXISTING TREE TO REMAIN

- NOTES**
- CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEBRIS AND GARBAGE WITHIN THE PROJECT LIMITS AT AN APPROPRIATE FACILITY.
  - ALL CURB AND GUTTER TO BE REMOVED TO NEAREST JOINT
  - EXISTING PUBLIC UTILITIES THAT ARE IN CONFLICT WITH PROPOSED FRONTAGE IMPROVEMENTS SHALL BE RELOCATED AS NECESSARY TO MEET ALL APPLICABLE CITY, STATE, AND FEDERAL REQUIREMENTS.
  - 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**
- REMOVE EXISTING ASPHALT PAVEMENT.
  - PROTECT EXISTING SIGN TO REMAIN
  - NOT USED
  - PROTECT EXISTING POWER POLE
  - SWEEP STREET AS NECESSARY TO REMOVE DIRT LEAVING CONSTRUCTION SITE.
  - REMOVE AND RELOCATE SIGN SEE SHEETS R5.0 FOR LOCATION
  - POWER POLE TO BE REMOVED AND RELOCATED BY PSE. SEE SHEETS R4.1 FOR LOCATION
  - NOT USED
  - REMOVE EXISTING CONCRETE CURB
  - 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 MARKINGS



Revisions:

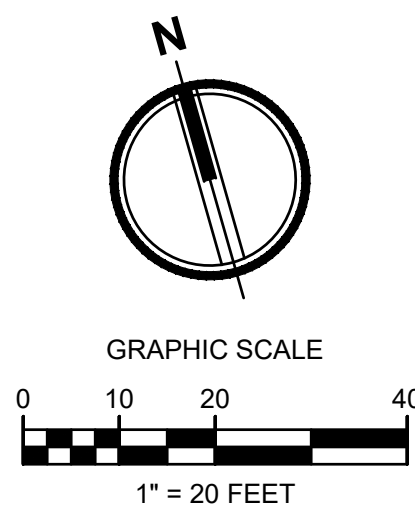

Sheet Title:  
**PIONEER WAY E TESC  
AND DEMOLITION  
PLAN**

Designed by: C.J.W. Drawn by: SK / ZP Checked by: TCS

Sheet No.  
**R3.1**  
10 of 46 Sheets



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



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE \_\_\_\_\_

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DEVELOPMENT ENGINEERING  
MANAGER.



Project Title:  
**EAST TOWN CROSSING  
FRONTAGE  
IMPROVEMENTS**

Client:  
**ASH DEVELOPMENT**

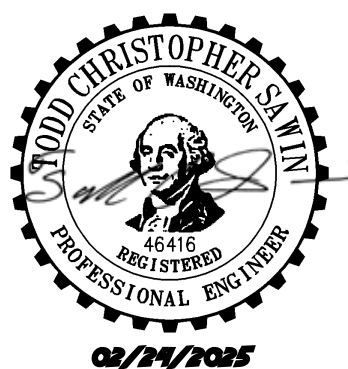
GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.  
**2230752**

Issue Set & Date:  
**PERMIT SUBMITTAL**

02/24/2025



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**LEGEND**

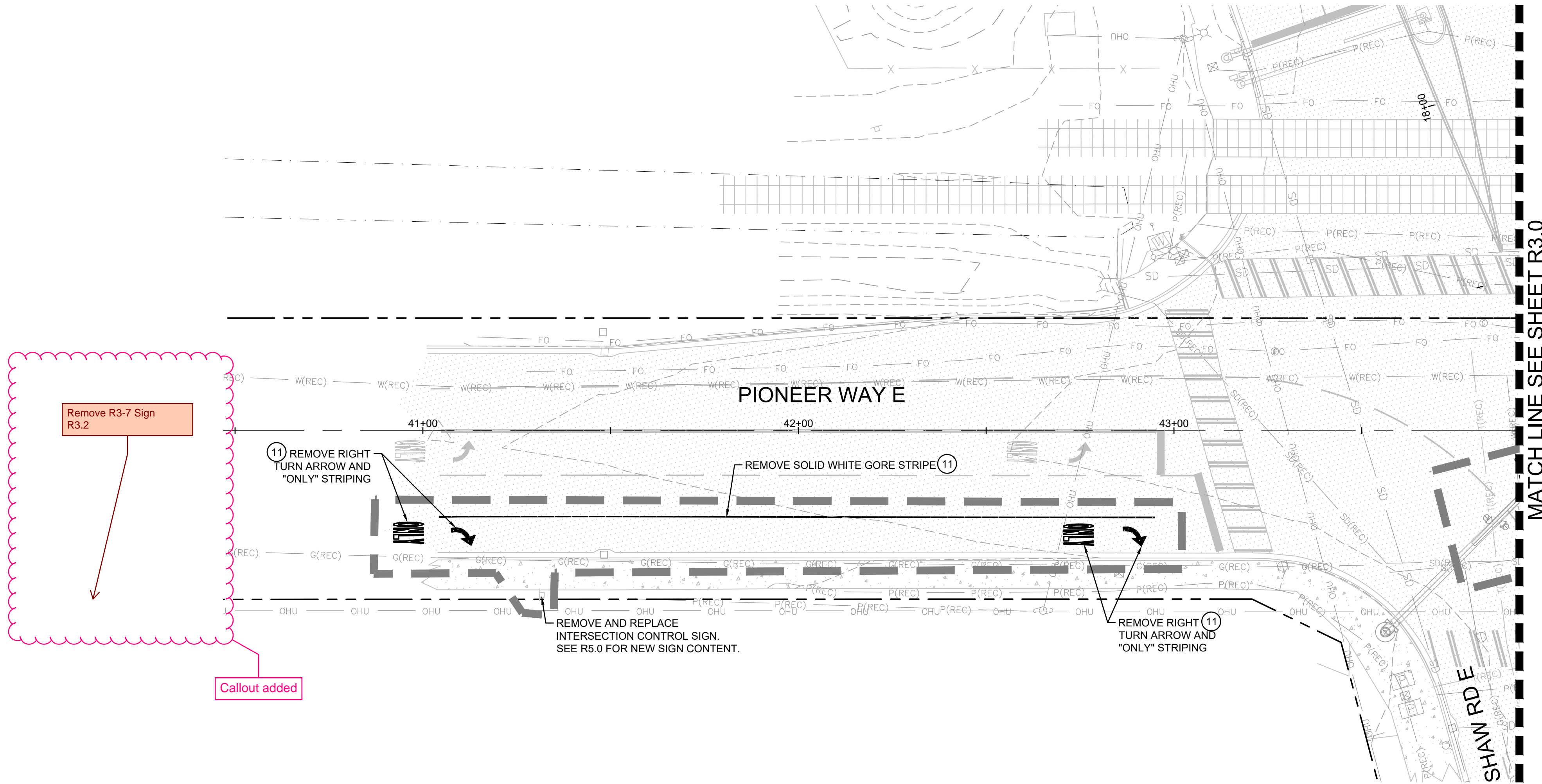
- RIGHT-OF-WAY / PROPERTY LINE
- CLEARING / PROJECT LIMITS
- CONSTRUCTION ENTRANCE 1 R6.0
- REMOVE EXISTING ASPHALT
- 2" ASPHALT GRIND AND OVERLAY
- REMOVE EXISTING CONCRETE
- SILT FENCE 2 R6.0
- INLET PROTECTION 3 R6.0
- SAWCUT LINE
- REMOVE EXISTING TREE
- EXISTING TREE TO REMAIN

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Know what's below.  
Call before you dig.

Revisions:

Sheet Title:  
**PIONEER WAY E TESC  
AND DEMOLITION  
PLAN**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

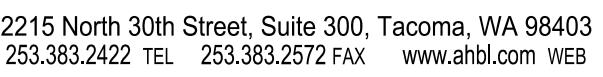
Sheet No.  
**R3.2**  
11 of 46 Sheets



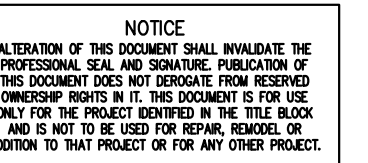
BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING


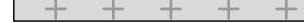





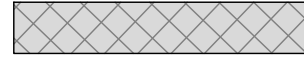



DATE \_\_\_\_\_

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2/24/2025



	RIGHT-OF-WAY/PROPERTY LINE
	CENTERLINE
	PERVIOUS ASPHALT PAVEMENT
	ASPHALT PAVEMENT - STD. DUTY
	PERVIOUS CONCRETE SIDEWALK
	DETECTABLE WARNING SURFACE
	ASPHALT PAVEMENT - ATB
	GRIND AND OVERLAY
	CATCH BASIN - TYPE 1- SEE CITY STANDARD NO. 02.01.03 ON SHEET R6.2
	STORM DRAINAGE PIPING
	KEYSTONE RETAINING WALL
CG	CONCRETE CURB AND GUTTER - SEE CITY STANDARD NO. 01.02.09 ON SHEET R6.8
FC	FLUSH CURB

1 ADA RAMP - SINGLE DIRECTIONAL (1 R6.1)

2 ADA RAMP - PARALLEL (2 R6.1)

3 CROSSWALK STRIPING - SEE CITY STANDARD NO. 01.03.11 ON SHEET PM-03

4 NOT USED

5 BOX CULVERT (5 R6.2)

6 CONCRETE VALLEY GUTTER (6 R6.8)

7 TYPE 3 OBJECT MARKERS (OM-3R) - PER COP 01.03.13

Verify-Sheet reference (Plans: Sht R4.0 of 46)

Updated to pm

1. PER THE APPROVED PRELIMINARY SITE PLAN CONDITIONS, AT THE DISCRETION OF THE CITY, THE CITY MAY RESTRICT OUTBOUND LEFT TURNS FROM THE E PIONEER ACCESS IN THE FUTURE. AT THE REQUEST OF THE CITY, THE OWNERS, HEIRS, SUCCESSORS, AND ASSIGNS AGREE TO RENOVATE AND/OR IMPROVE DRIVEWAY ACCESS IN ACCORDANCE WITH THE CITY OF PUYALLUP MUNICIPAL CODE AND ENGINEERING STANDARDS.
2. PERFORATED PIPES IN DISPERSION TRENCH SHALL HAVE DOWNTURNED ELBOWS WITHIN THE CATCH BASIN TO PREVENT SEDIMENT BUILD UP WITHIN PIPES.

Pipe callout updated  
to 6" PERF

Verify-6\* perforated?  
[Plans; Sht R4.0 of 46]

## R4.0

2 of 46 Sheets

[illegible]

Know what's **below**.  
**Call** before you dig.

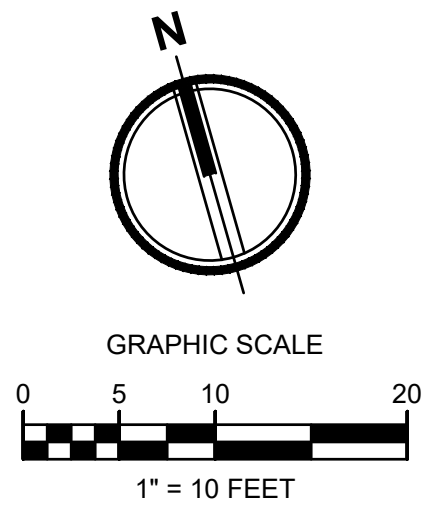
DATE: February 23, 2025 FILENAME: Q:\2023\2230752\10\_CIV\CAD\2230752-SH-ROAD-PIONEER.dwg







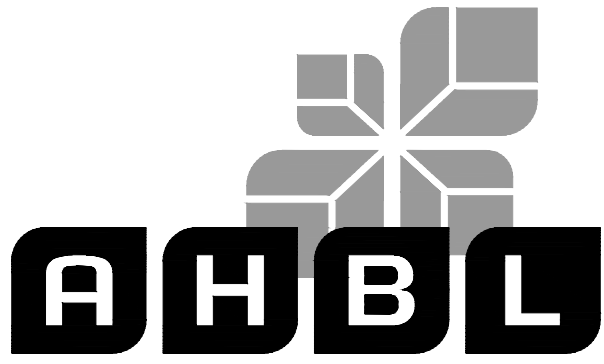
EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS  
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



APPROVED

BY \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE \_\_\_\_\_

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253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

**Project Title:**  
**EAST TOWN CROSSING  
FRONTAGE  
IMPROVEMENTS**

**Client:**  
ASH DEVELOPMENT

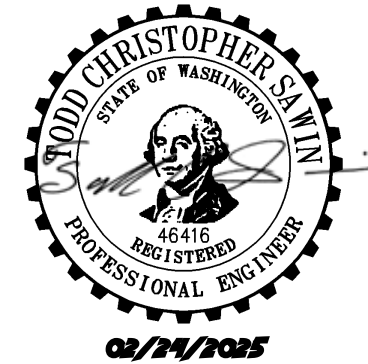
GREG HELLE  
GREG.HELLE@ASHNW.COM

**Project No.**  
2230752

**Issue Set & Date:**

PERMIT SUBMITTAL

02/24/2025



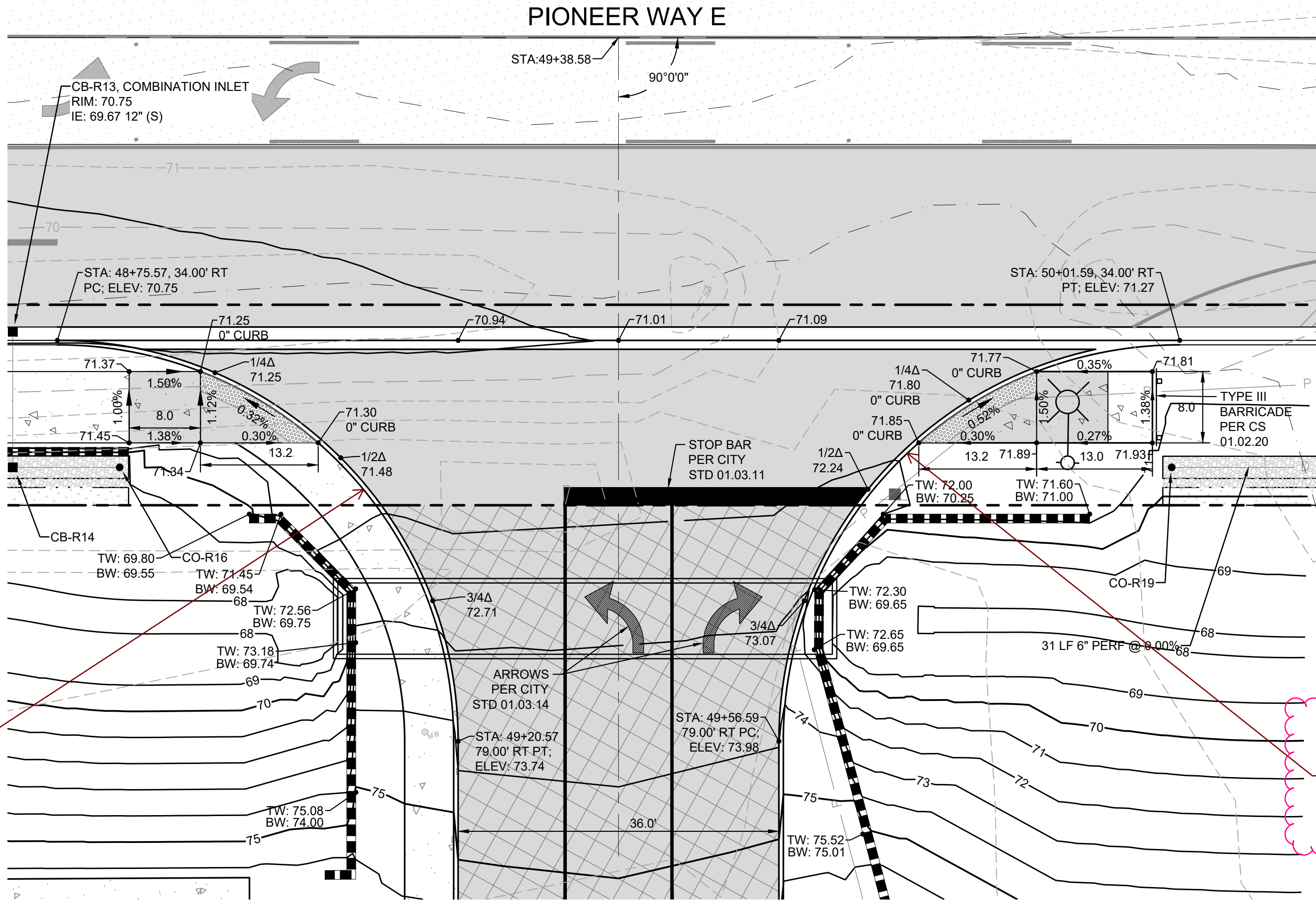
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**NOTES**

1. ALL STATIONS AND OFFSETS AT CURBS ARE GIVEN TO FACE OF VERTICAL CURB OR FLOWLINE OF CURB & GUTTER.
2. ALL ELEVATIONS AT CURBS ARE GIVEN TO BOTTOM OF VERTICAL CURB OR FLOWLINE OF CURB & GUTTER.
3. ALL CURB HEIGHTS ARE 6" UNLESS OTHERWISE NOTED.

**LEGEND:**

	RIGHT-OF-WAY/PROPERTY LINE
	CENTERLINE
	PERVIOUS ASPHALT PAVEMENT
	ASPHALT PAVEMENT - STD. DUTY
	PERVIOUS CONCRETE SIDEWALK
	DETECTABLE WARNING SURFACE
	ASPHALT PAVEMENT - ATB
	GRIND AND OVERLAY
	CATCH BASIN - TYPE 1- SEE CITY STANDARD NO. 02.01.03 ON SHEET R6.2
	STORM DRAINAGE PIPING
	KEYSTONE RETAINING WALL
	CONCRETE CURB AND GUTTER - SEE CITY STANDARD NO. 01.02.09 ON SHEET R6.8
	FLUSH CURB



Curve info (delta/radius/length)?  
[Plans: Sh. R4.2 of 46]

curve info added

Curve info (delta/radius/length)?  
[Plans: Sh. R4.2 of 46]

curve info added



Know what's below.  
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**Designed by:** C/JW **Drawn by:** SK / ZP **Checked by:** TCS

**Sheet No.**

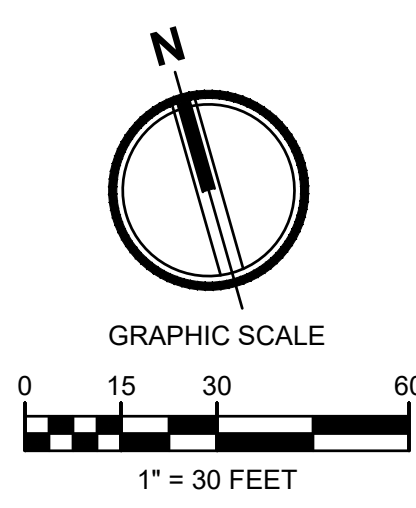
**R4.2**

14 of 46 Sheets



# EAST TOWN CROSSING SHAW ROAD IMPROVEMENTS

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



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

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**AHBL**

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253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

**EAST TOWN CROSSING FRONTAGE IMPROVEMENTS**

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

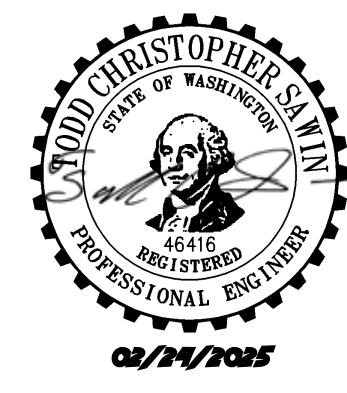
Project No.

2230752

Issue Set & Date:

PERMIT SUBMITTAL

12/16/2024



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- Revisions:
- A
  - A
  - A
  - A

Sheet Title:

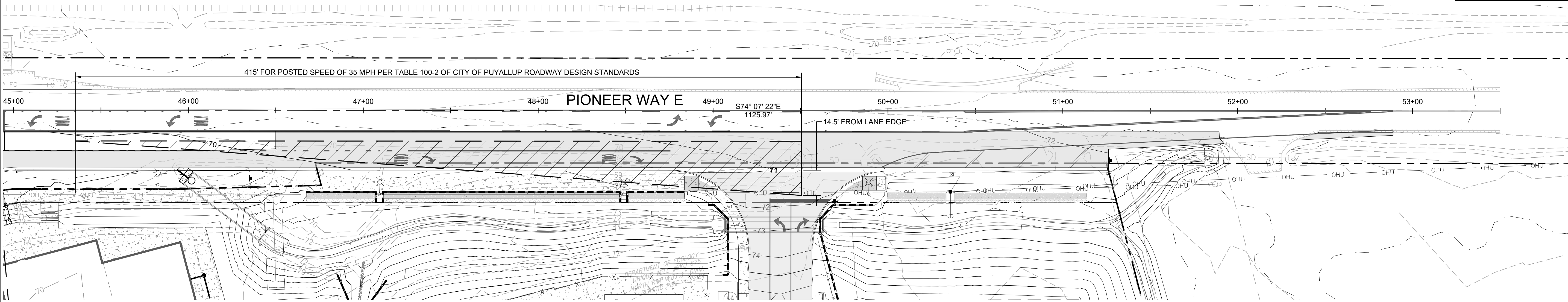
**PIONEER ENTERING SIGHT DISTANCE DIAGRAM**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

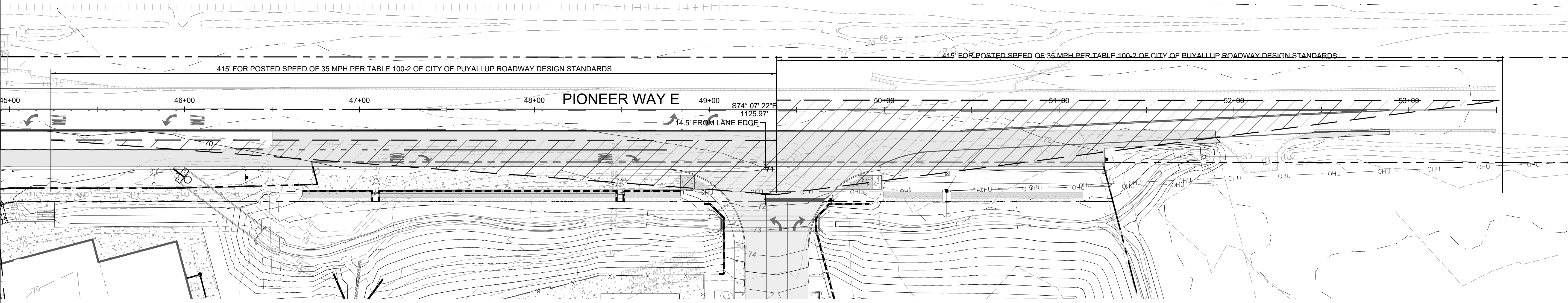
Sheet No.

**R4.3**

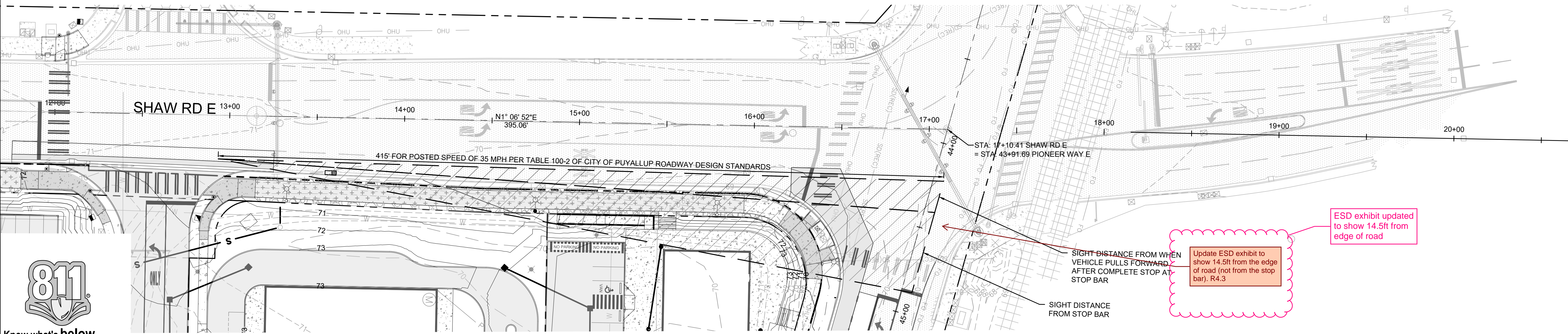
15 of 44 Sheets



RIGHT TURN ONTO PIONEER



LEFT TURN ONTO PIONEER



RIGHT TURN ONTO SHAW FROM PIONEER





# EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

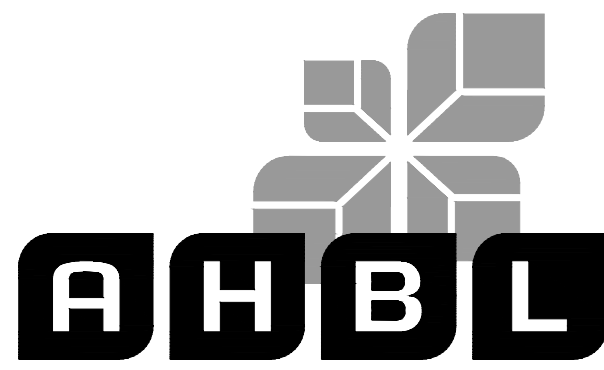
## SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

APPROVED

BY  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE

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FRONTAGE  
IMPROVEMENTS**

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

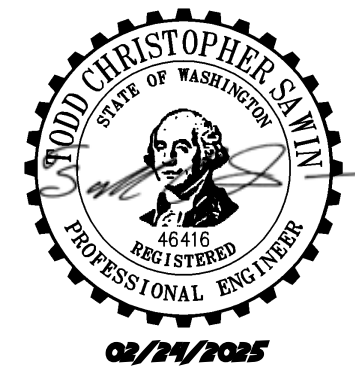
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02/24/2025



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A

A

A

A

Revisions:

Sheet Title:

**PIONEER WAY E  
CHANNELIZATION  
PLAN**

Designed by:

CJW

Drawn by:

SK / ZP

Checked by:

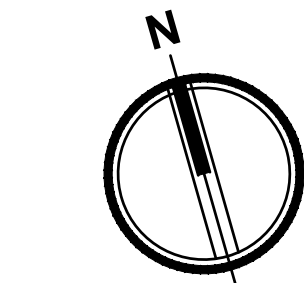
TCS

Sheet No.

verified as sheet  
pm-04

**R5.0**

16 of 46 Sheets



GRAPHIC SCALE  
0 10 20 40  
1" = 20 FEET

Same scope of work  
shown in PM-03  
R5.0

scope of work removed from  
PM-03

PIONEER WAY E

SHAW RDE

ONSITE WORK FOR REFERENCE. SEE ONSITE  
PLANS FOR WORK WITHIN PROPERTY

### CHANNELIZATION NOTES

1. FOR PAVEMENT MARKING DIMENSIONS SEE CITY STANDARD DETAIL 01.03.10 ON SHEET PM-03
2. FOR TWO-WAY LEFT TURN REQUIREMENTS SEE CITY STANDARD DETAIL 01.03.07, 01.03.07, 01.03.08 AND 01.03.09 ON SHEET PM-03
3. NEW PAVEMENT MARKINGS SHALL BE THERMOPLASTIC
4. FOR R1-1 (STOP) SIGN SEE CITY STANDARD DETAIL 01.04.02 ON SHEET PM-04
5. WHITE DOTTED LANE PER WSDOT M-5.10-03: 3' LONG, 8" WIDE THERMOPLASTIC BARS WITH 9' SPACING AND DOUBLE RPMs BETWEEN EVERY OTHER STRIPE
6. CONTACT CITY PW AND ENGINEERING STAFF TO FIELD FIT INDICATED SIGNS PRIOR TO INSTALLATION. ENSURE VISIBILITY AFTER PLANTING OF STREET TREES.

Verify-Sheet reference.  
[Plans: Sht R5.0 of 46]

Verify-missing from planset.  
[Plans: Sht R5.0 of 46]

Detail references for  
01.03.07 and  
01.03.08 removed

Dotted line 228ft, this  
should be ~190ft  
R5.0

length of dotted line  
shortened down to  
190ft

Where is note 6?  
R5.0

Note 6 is under the  
channelization notes  
listed to the left. See  
yellow highlight.

Verified to be PM-04

PIONEER WAY E

STA:50+43.85, 0.00'  
END SOLID YELLOW AND SKIP  
BEGIN DOUBLE YELLOW STRIPE  
SEE NOTE 2

STA:50+43.85, 12.00' RT  
END YELLOW SOLID AND SKIP LINE  
BEGIN DOUBLE YELLOW TAPER  
SEE NOTE 2

STA:52+88.83, 0.33' LT  
END DOUBLE YELLOW TAPER  
CONNECT TO EXISTING STRIPING

STA:47+39.42, 0.00'  
BEGIN YELLOW SOLID AND SKIP  
SEE NOTE 2

STA:47+49.42, 12.00' RT  
END DOUBLE YELLOW  
BEGIN YELLOW SOLID AND SKIP LINE  
SEE NOTE 2

STA:48+89.42, 5.80' RT  
2 LEFT TURN ARROW

STA:47+40.69, 27.91' RT  
RIGHT TURN ARROW

STA:47+72.57, 27.60' RT  
"ONLY" LETTERING

STA:48+40.69, 27.91' RT  
RIGHT TURN ARROW

STA:48+72.57, 27.60' RT  
"ONLY" LETTERING

STA:48+75.57, 23.00' RT  
END WIDE LANE LINE  
PER WSDOT M-5.10-03  
SEE NOTE 5

STA:49+96.32, 32.50' RT  
BEGIN FOG LINE RADIUS

STA:50+27.92, 23.78' RT  
END FOG LINE RADIUS  
BEGIN FOG LINE STRAIGHT TAPER

TYPE 3 OBJECT MARKER  
(OM-3R) LOCATED 5.5 FT FROM  
FACE OF CURB AND PER CITY  
STD 01.03.13 ON SHEET PM-03

verified as sheet  
R6.7

verified as sheet  
pm-05

Verify-Sheet reference.  
[Plans: Sht R5.0 of 46]

Verify-Sheet reference.  
[Plans: Sht R5.0 of 46]

### KEYNOTES

1. TURN ARROW PER WSDOT STD M-24.40-02. SEE SHEET PM-04
2. "ONLY" LETTERING PER WSDOT STD M-80.10-01
3. TURN ARROW PER CITY STD 01.03.14. SEE SHEET PM-03
4. "ONLY" LETTERING PER CITY STD 01.03.14. SEE SHEET PM-04

Revise-01.03.15.  
[Plans: Sht R5.0 of 46]

updated to 01.03.15



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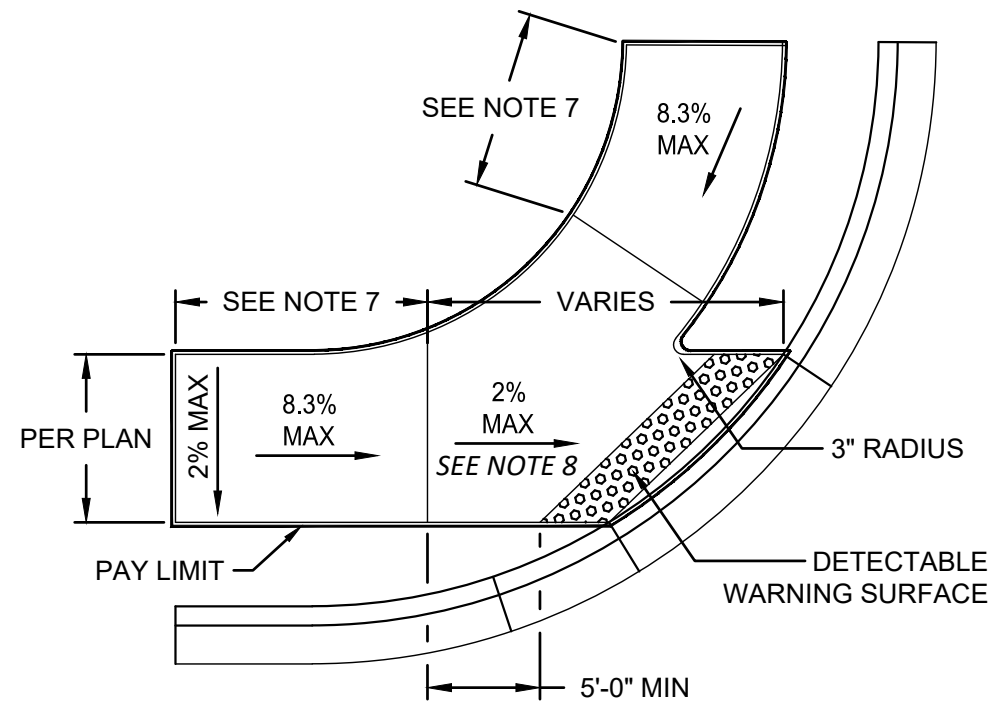
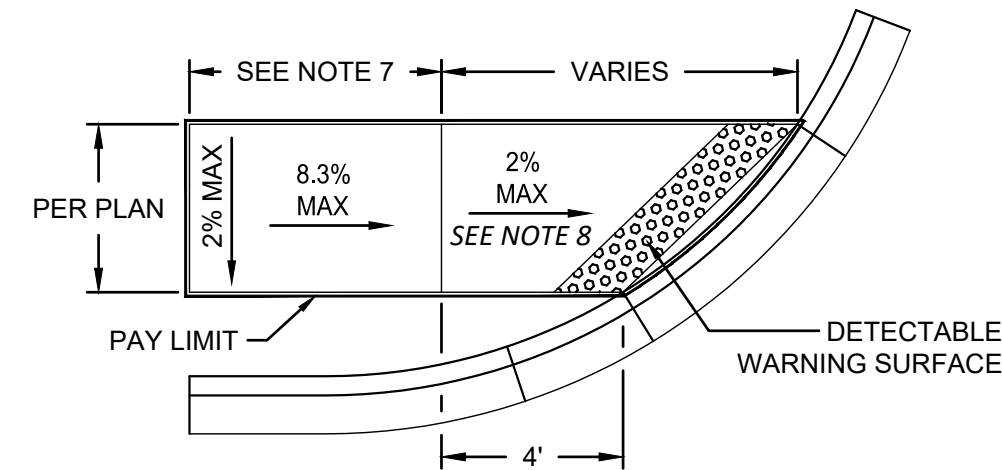


## 17 of 46 Sheets

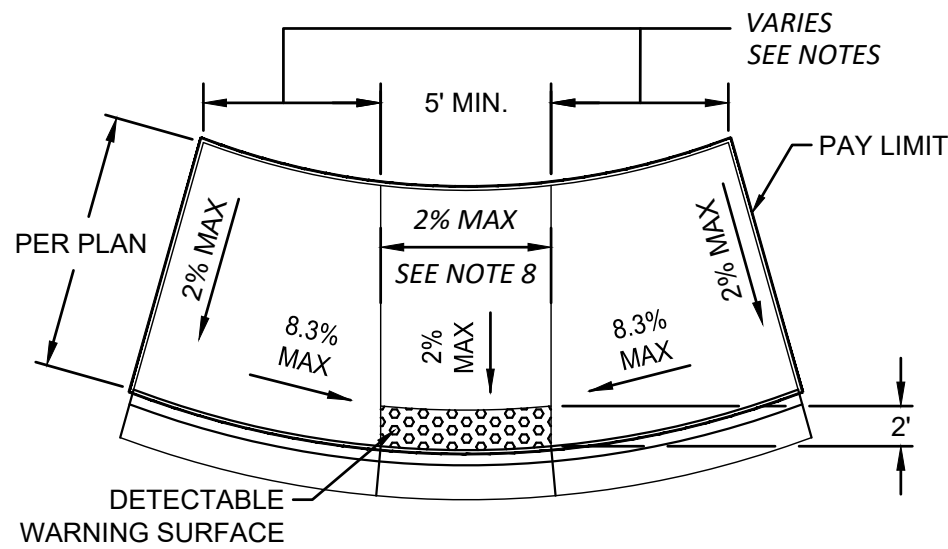
NOT TO SCALE



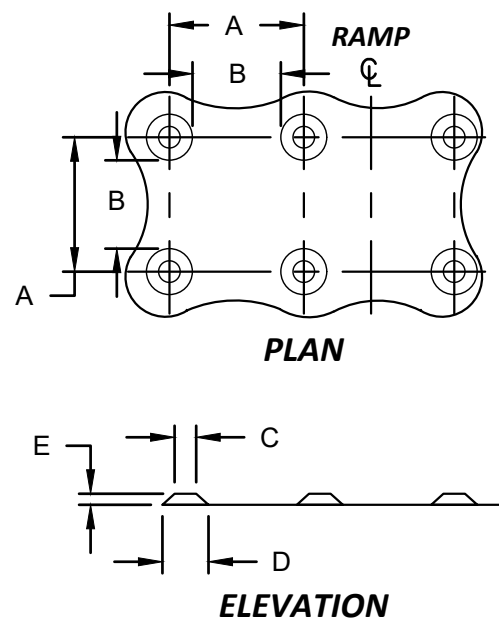
EAST TOWN CROSSING FRONTAGE IMPROVEMENTS  
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.



1 SINGLE DIRECTION CURB RAMP  
NOT TO SCALE



2 PARALLEL CURB RAMP  
NOT TO SCALE



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

DETECTABLE WARNING SURFACES SHALL BE PLACED IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 8-14.3(5).

	MIN.	MAX.
A	1.60"	2.40"
B	0.65"	-
C	0.45"	0.90"
D	0.90"	1.40"
E	0.20"	0.20"

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

3 DETECTABLE WARNING SURFACE DETAIL  
NOT TO SCALE

CURB RAMP NOTES:

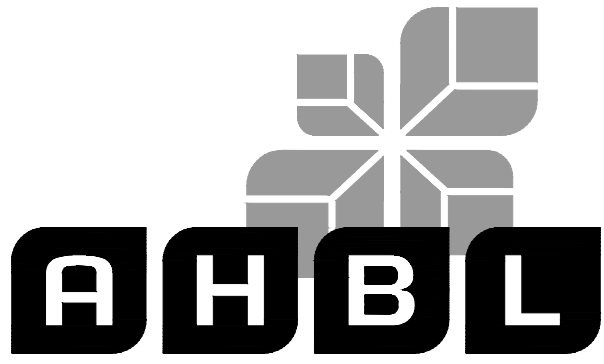
- CURB RAMPS ARE TYPICALLY CENTERED AT THE 1/4 RADIUS POINTS.
- CURB TO BE FLUSH WITH ADJACENT ROADWAY SURFACE. THE BID ITEM DOES NOT INCLUDE THE CURB AND GUTTER.
- PERPENDICULAR RAMP LENGTH IS MEASURED FROM BACK OF CURB.
- PARALLEL RAMP LENGTHS VARY FROM 6' MIN. TO 15' MAX.
- IF SIGNAL POLE EXISTS,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

APPROVED

BY CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE

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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

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

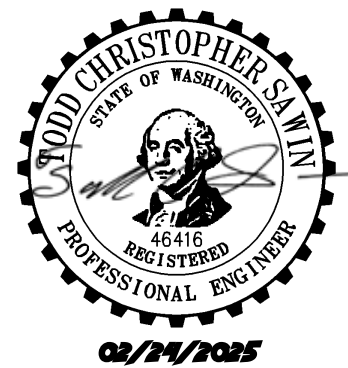
Project No.

2230752

Issue Set & Date:

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02/24/2025



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Sheet Title:

ADA DETAILS AND  
NOTES

Designed by: C.J.W. Drawn by: SK / ZP Checked by: TCS

Sheet No.

R6.1

18 of 46 Sheets



# EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

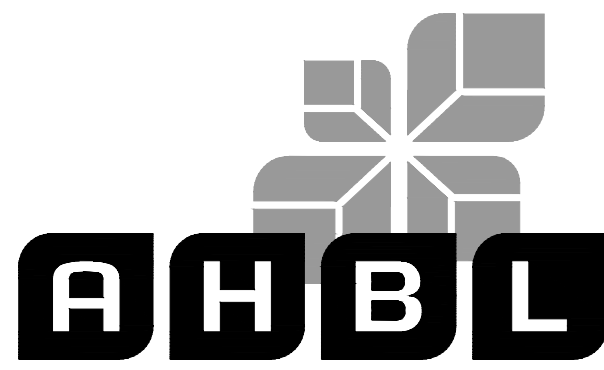
## SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

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CITY OF PUYALLUP  
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ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

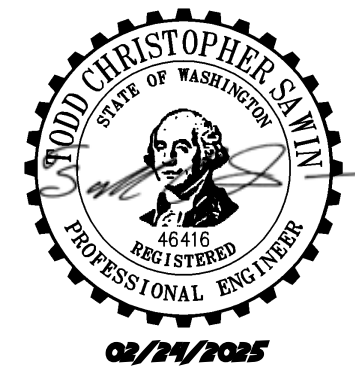
Project No.

2230752

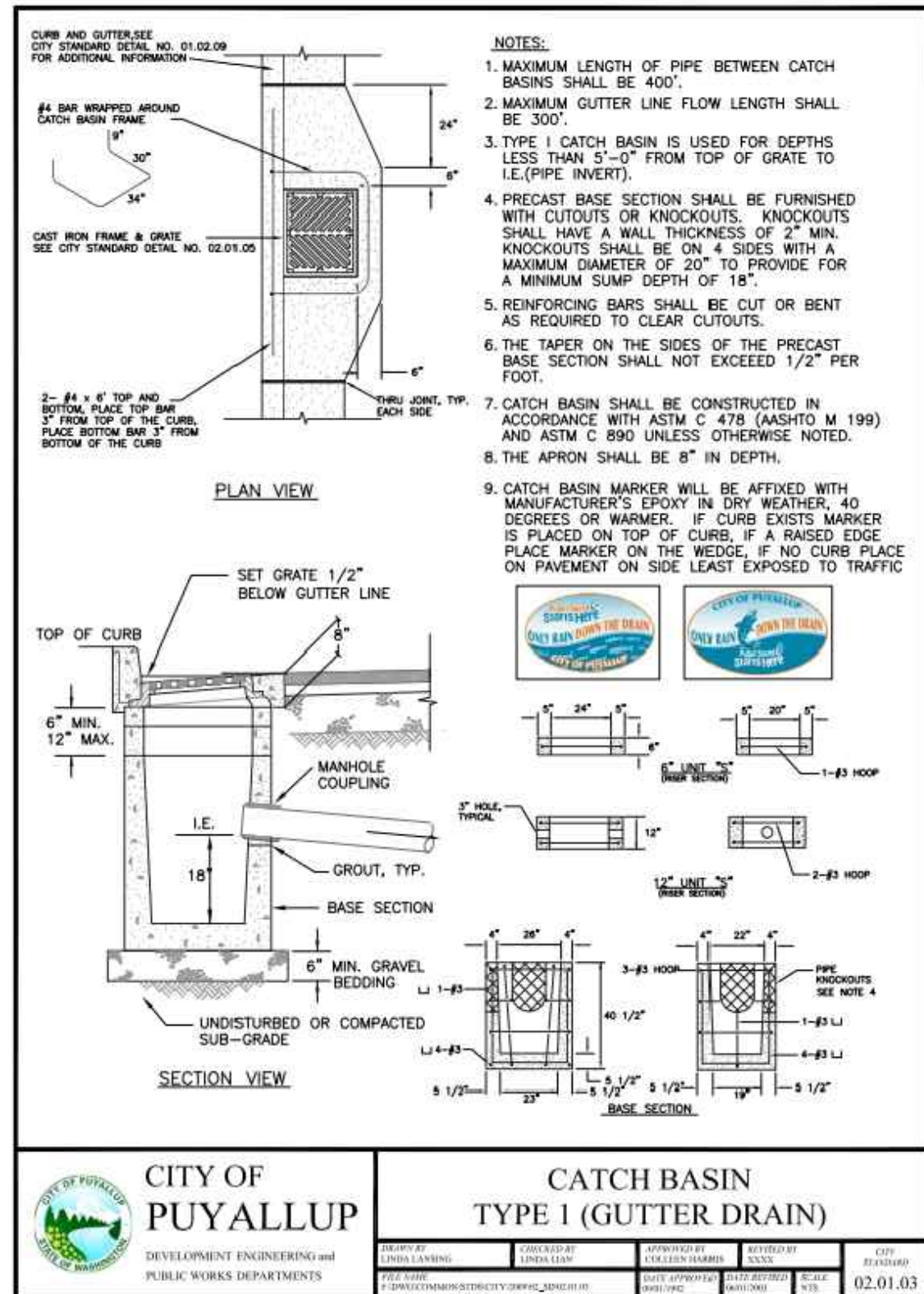
Issue Set & Date:

### PERMIT SUBMITTAL

02/24/2025

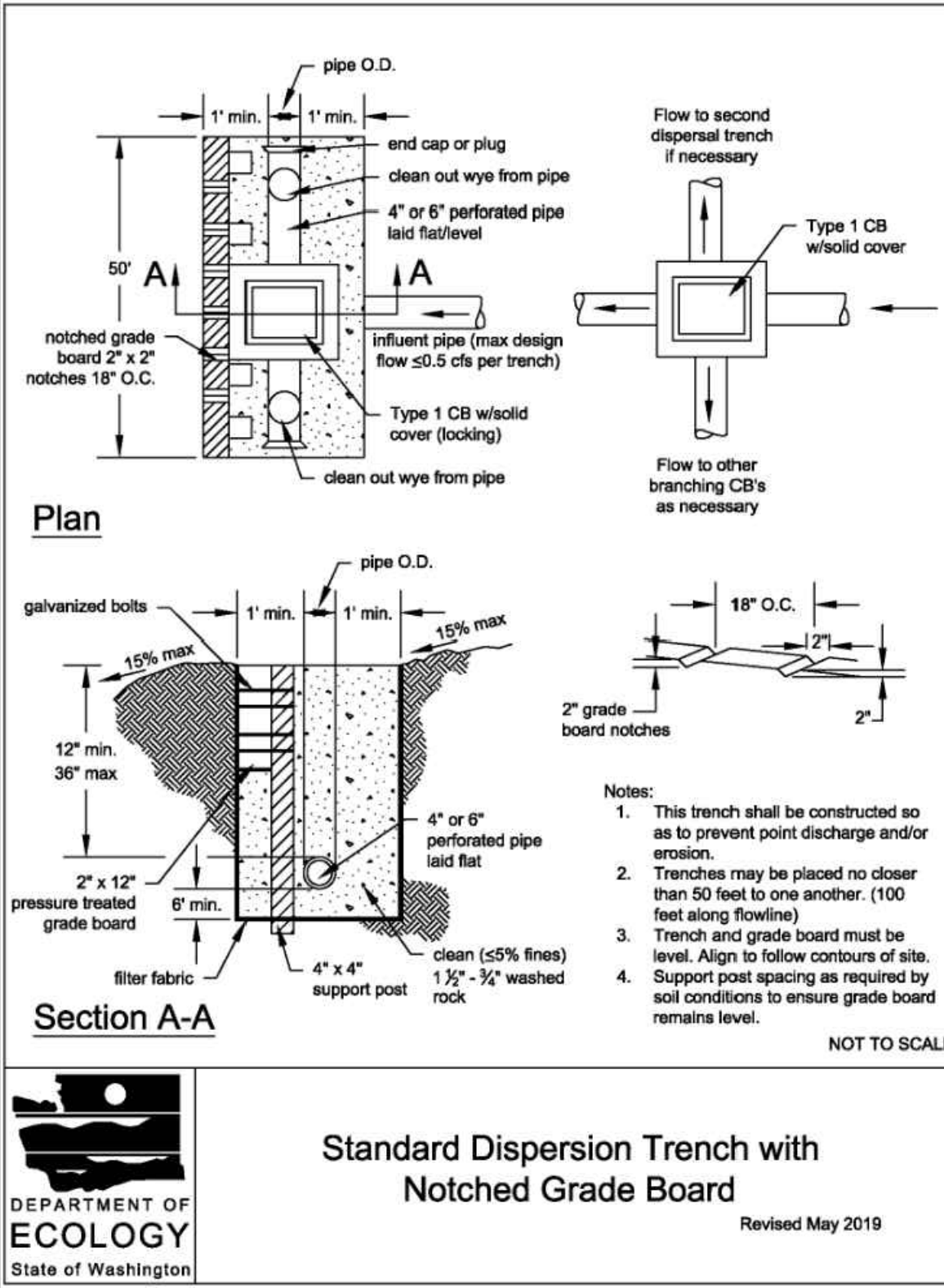


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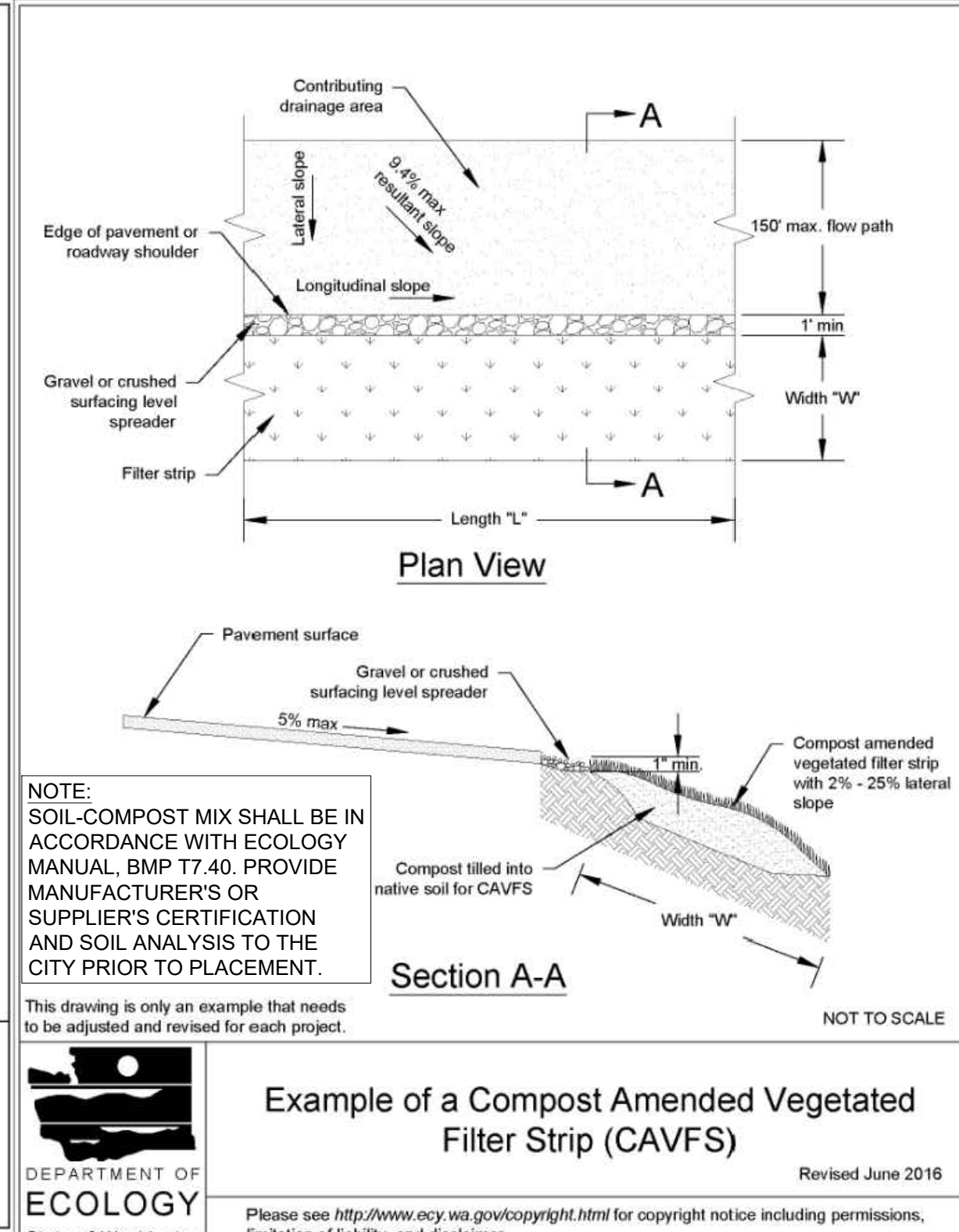
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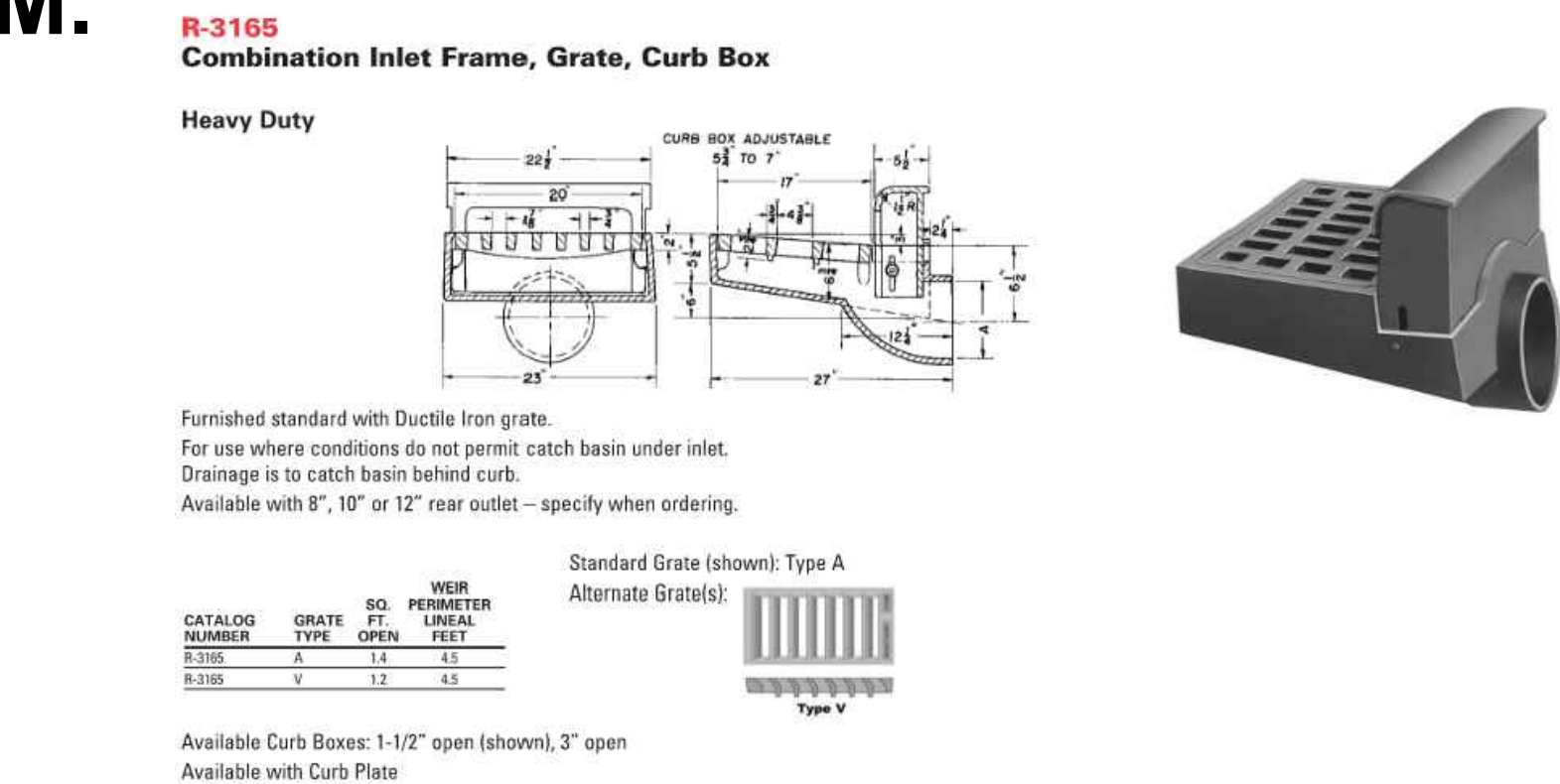
### 2 DISPERSION TRENCH

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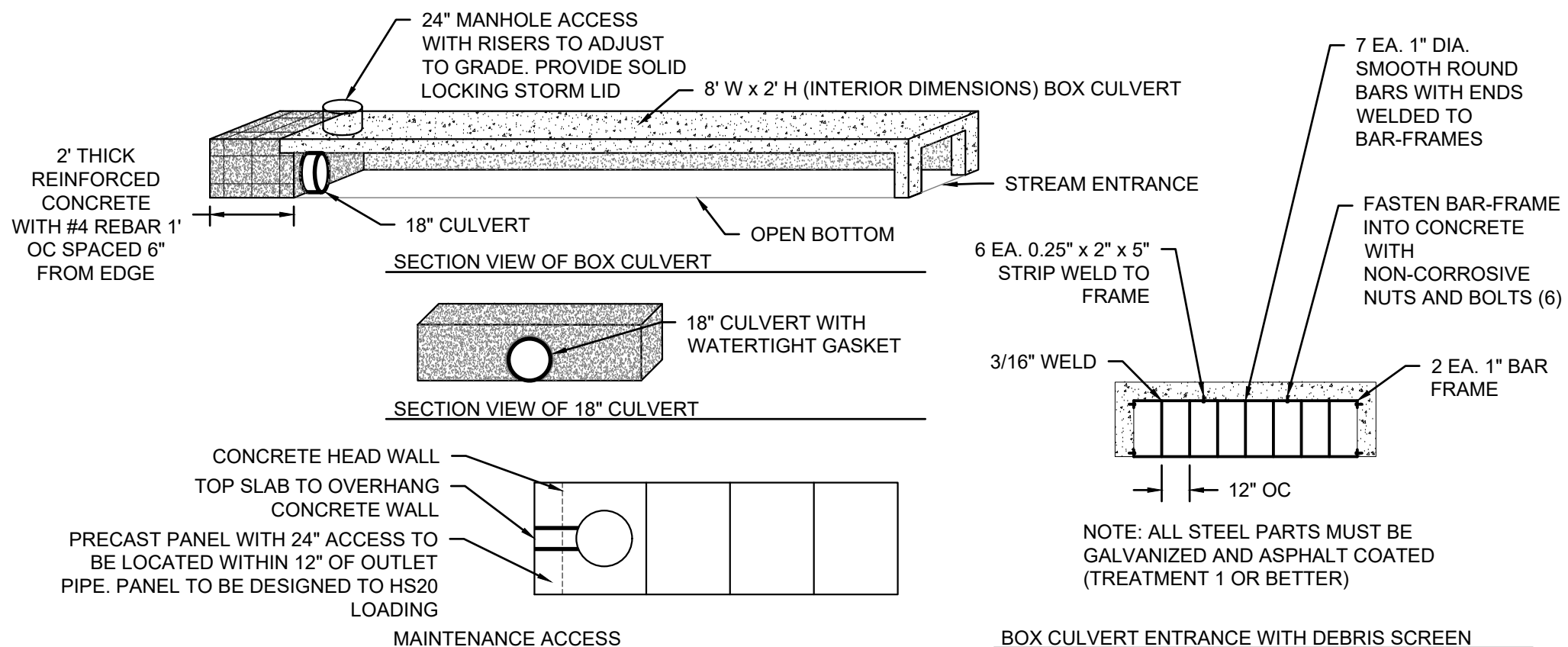
### 3 CAVFS

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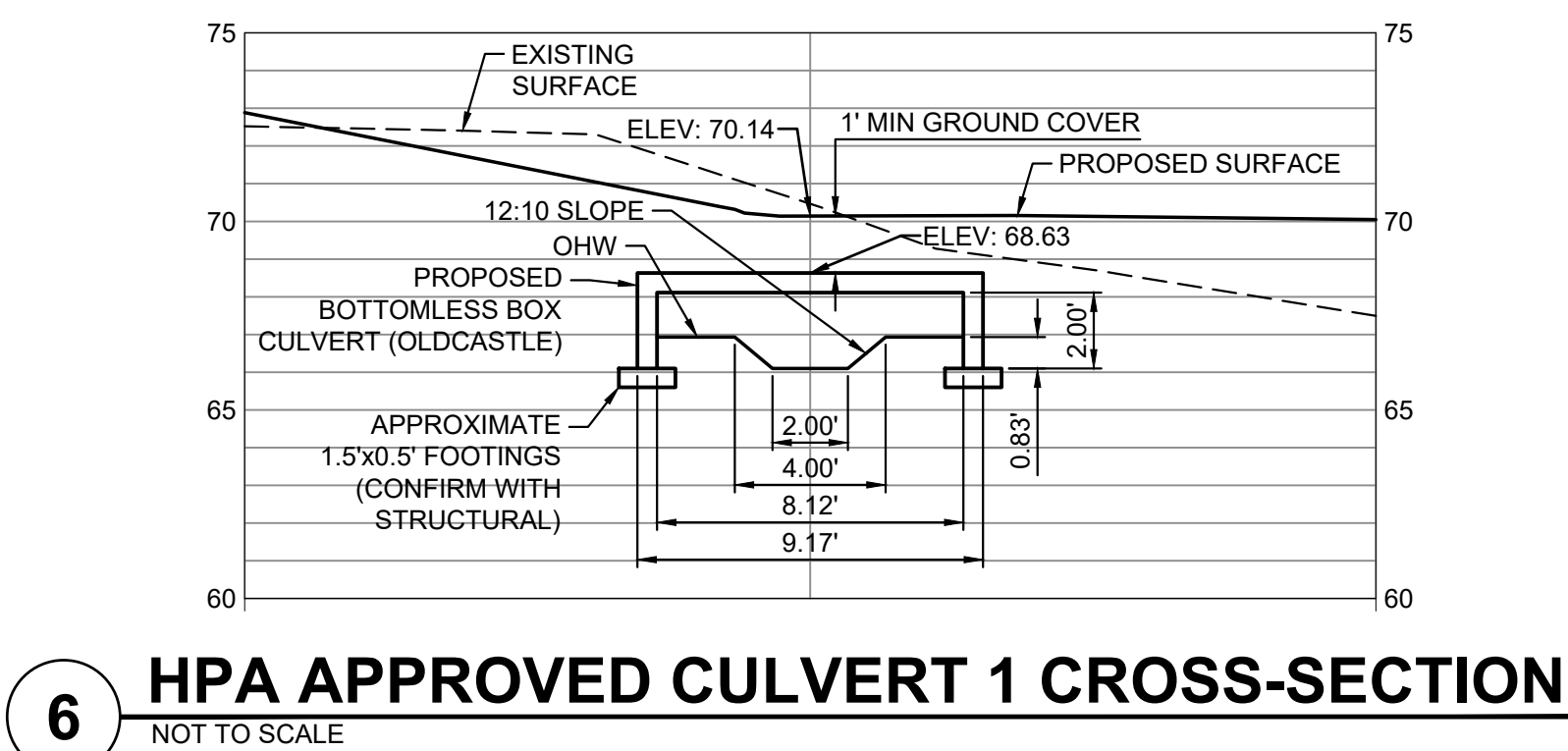
### 4 NEENAH R-3165 COMBINATION INLET

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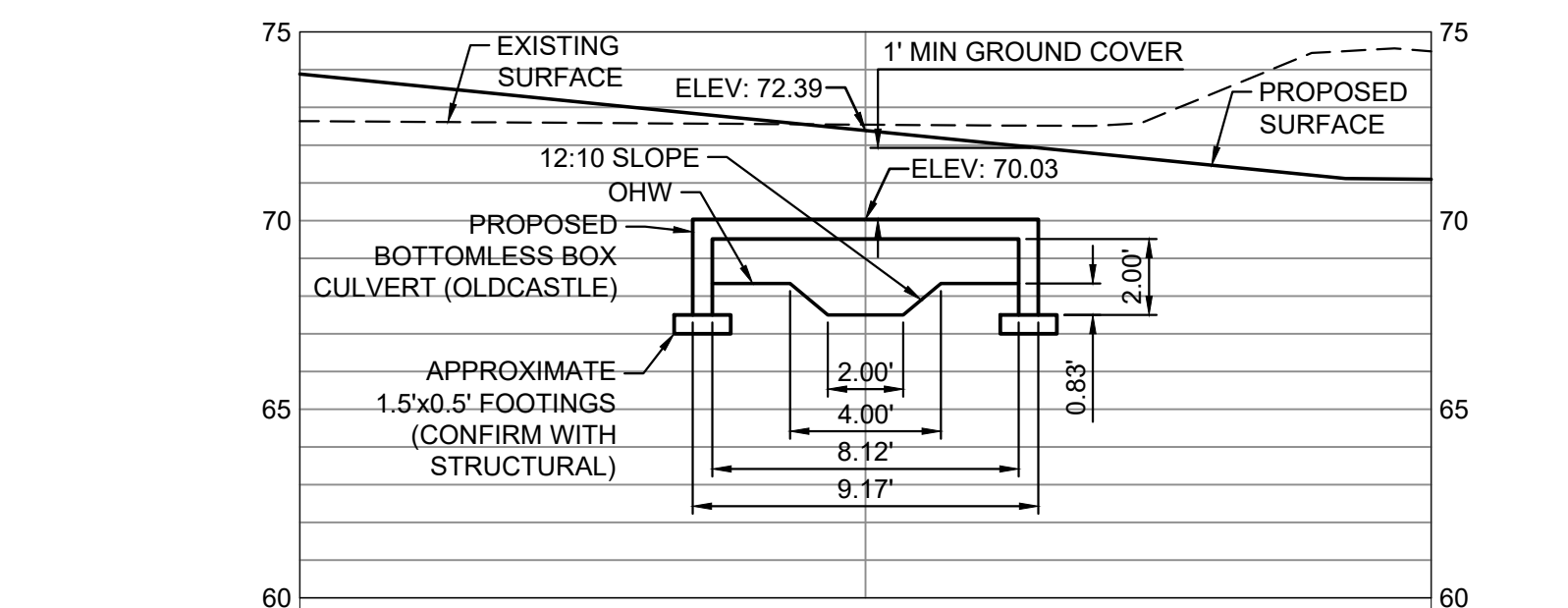
### 5 CONCRETE BOX CULVERT

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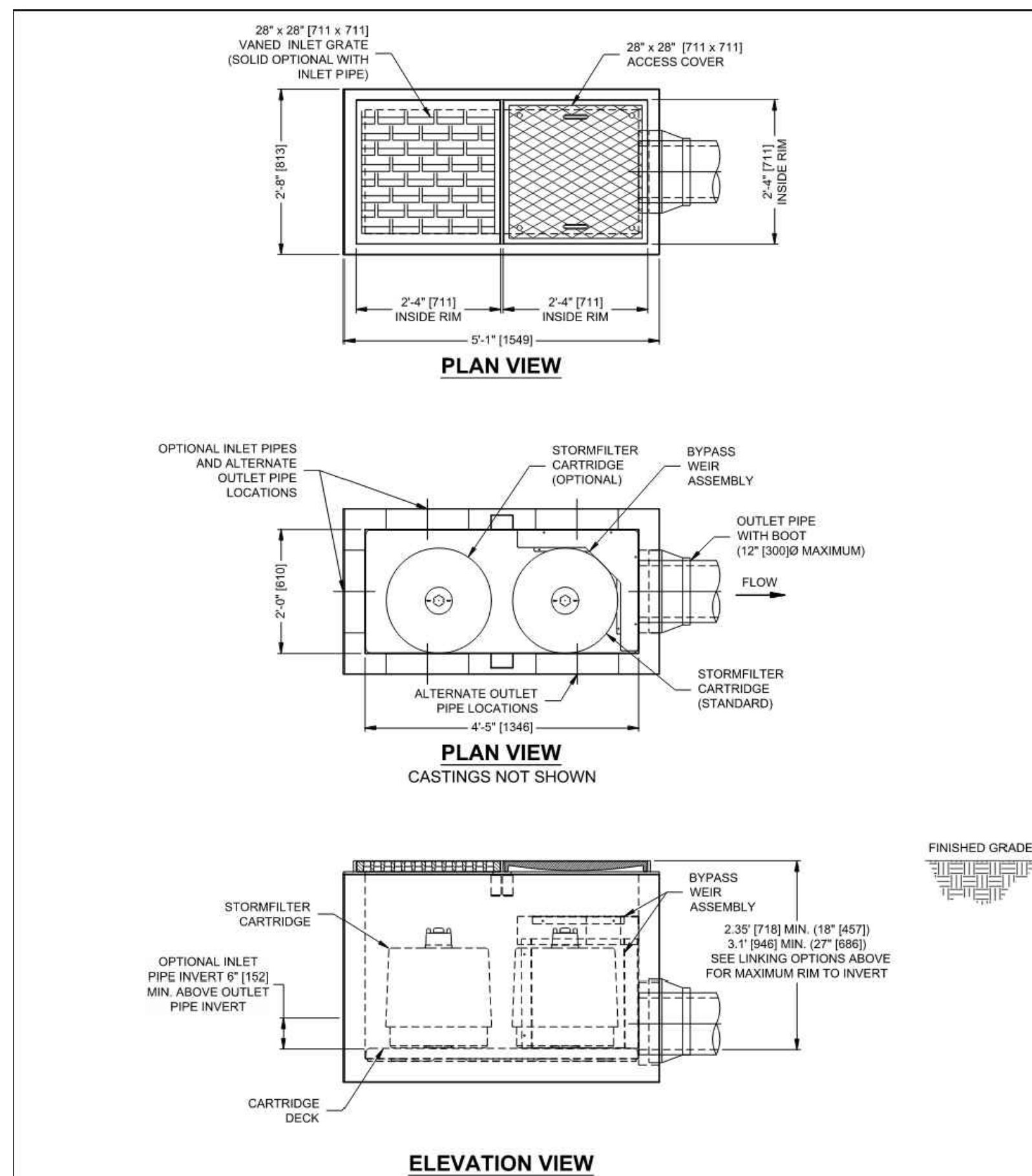
### 6 HPA APPROVED CULVERT 1 CROSS-SECTION

NOT TO SCALE



### 7 HPA APPROVED CULVERT 2 CROSS-SECTION

NOT TO SCALE



### 8 TWO CARTRIDGE STORMFILTER

NOT TO SCALE



CONCRETE CATCHBASIN STORMFILTER STANDARD DETAIL

11815 NE Glisan Bridge Drive, Portland, OR 97220  
503-548-4687 503-240-3303 503-561-1271 FAX



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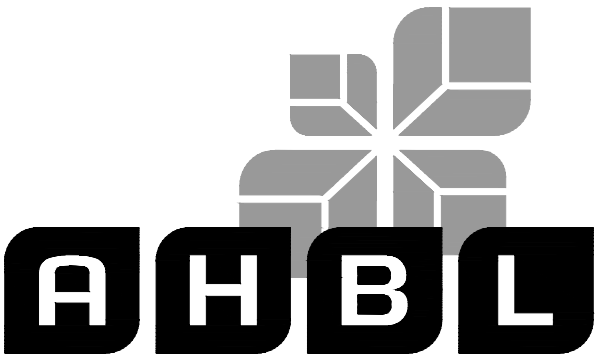


EAST TOWN CROSSING FRONTAGE IMPROVEMENTS  
SEC. 26,35/ TWP. 20 N./ RGE. 4 E., W.M.

APPROVED

BY  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE

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FRONTAGE  
IMPROVEMENTS

Client:  
ASH DEVELOPMENT

GREG HELLE  
GREG.HELLE@ASHNW.COM

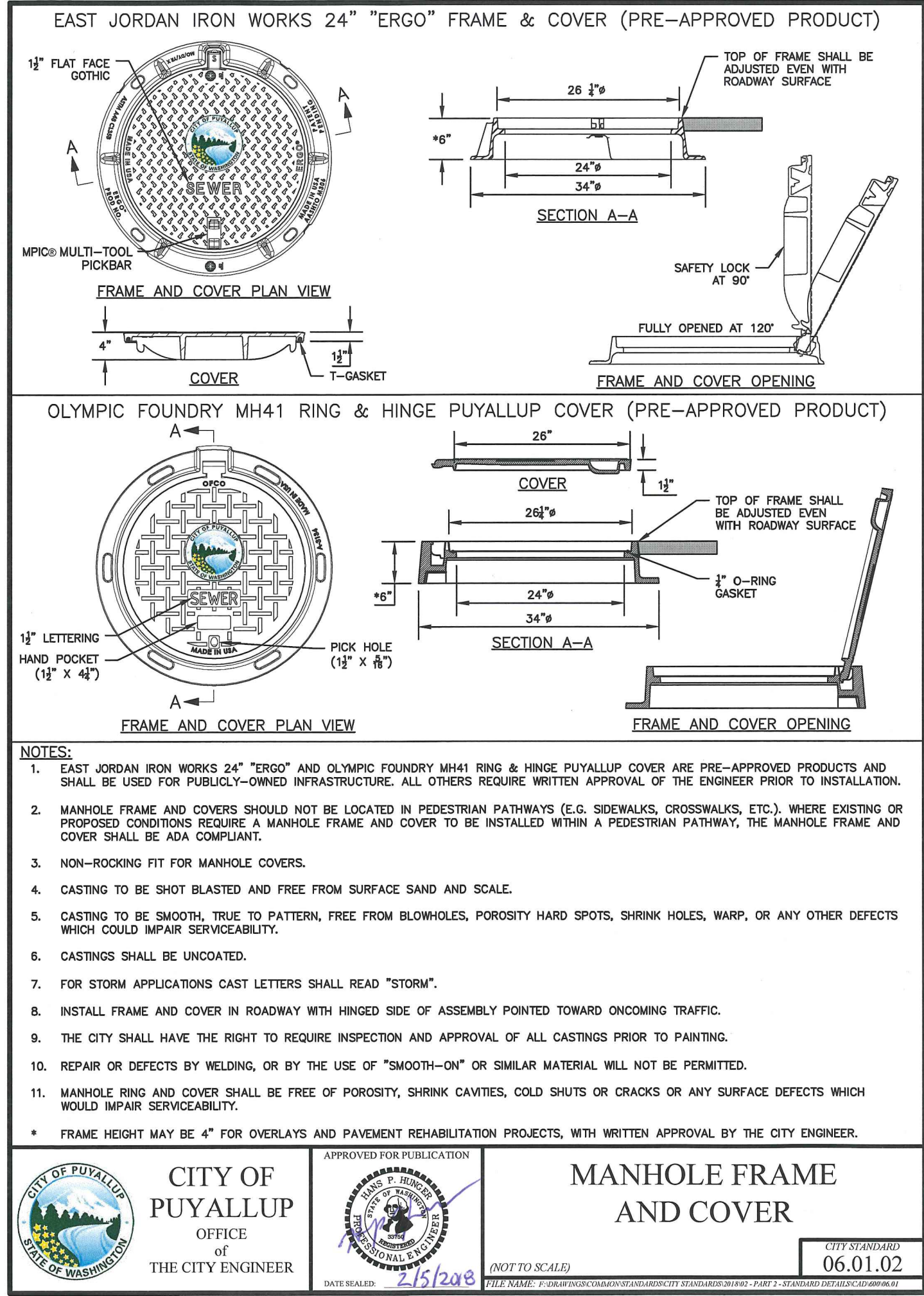
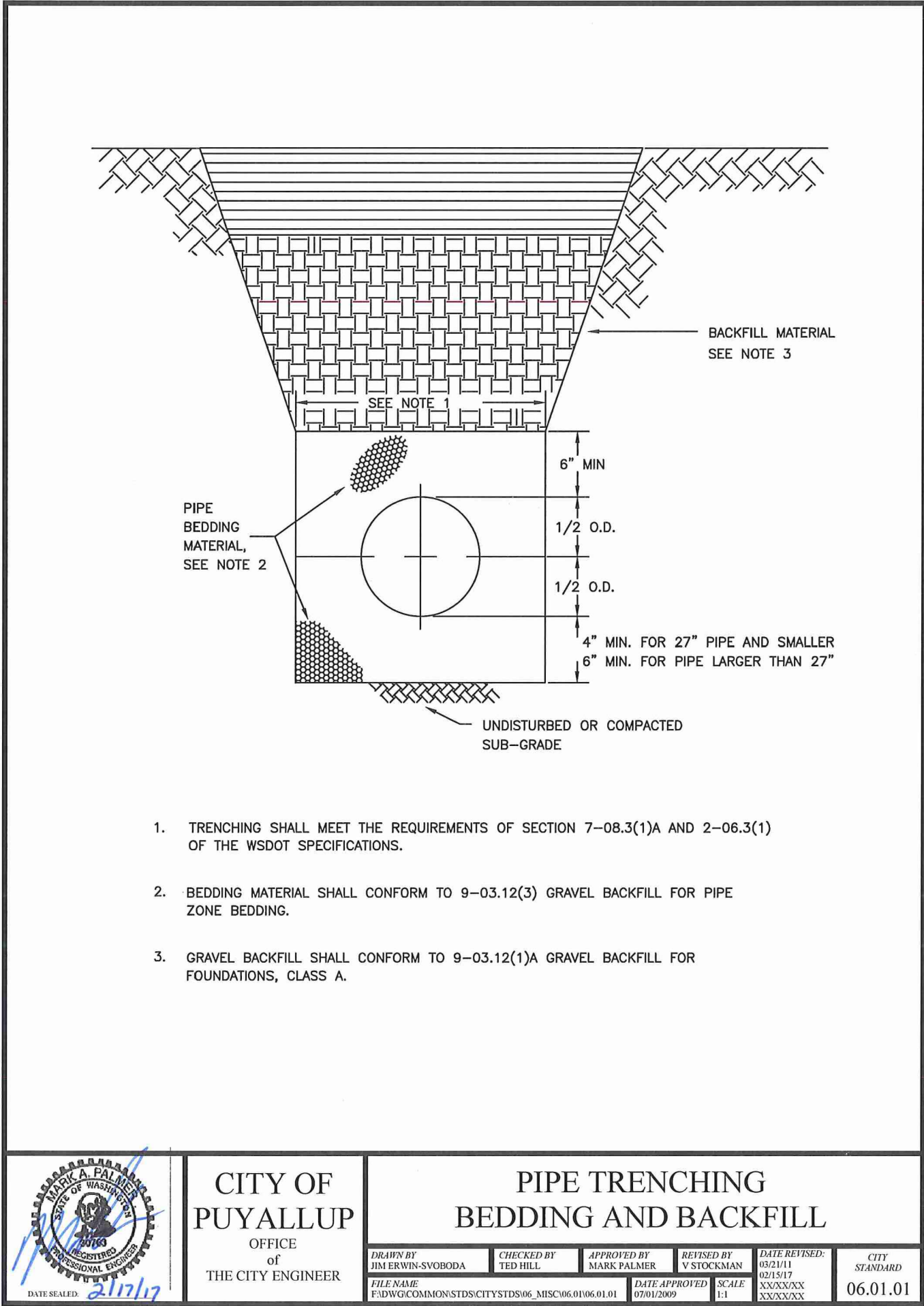
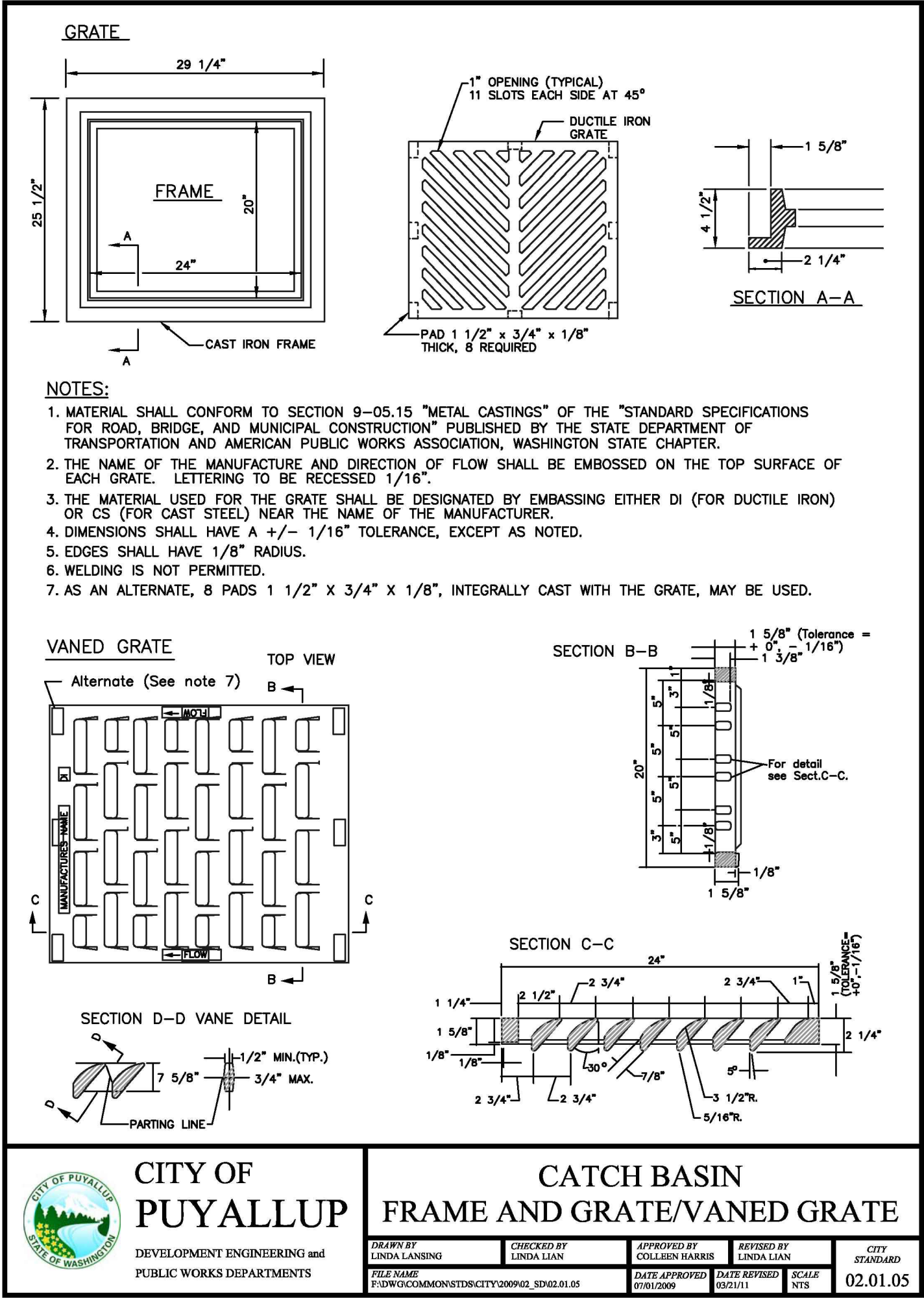
Project No.  
2230752

Issue Set & Date:  
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Sheet Title:  
STORM DETAILS AND  
NOTES

Designed by: C/JW  
Drawn by: SK / ZP  
Checked by: TCS

Sheet No.

R6.3  
20 of 46 Sheets



DATE: February 22, 2025 FILENAME: Q:\2023\2230752\10\_CIV\CAD\2230752-SH-OFF-DETL.dwg



# EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

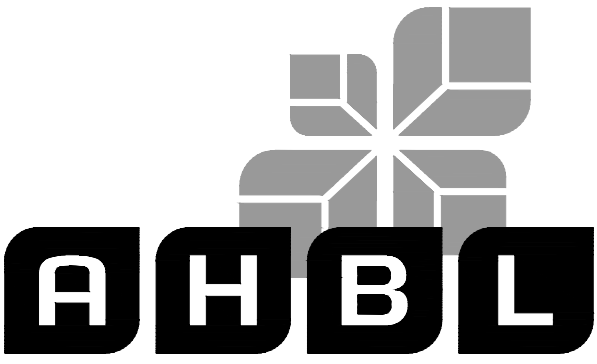
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DEVELOPMENT ENGINEERING

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253.383.2422 TEL 253.383.2572 FAX www.ahbl.com WEB

Project Title:

**EAST TOWN CROSSING FRONTAGE IMPROVEMENTS**

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.

2230752

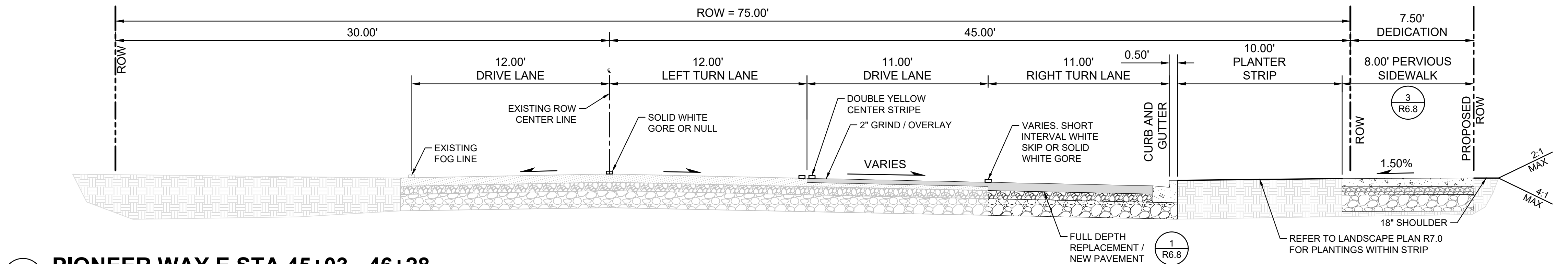
Issue Set & Date:

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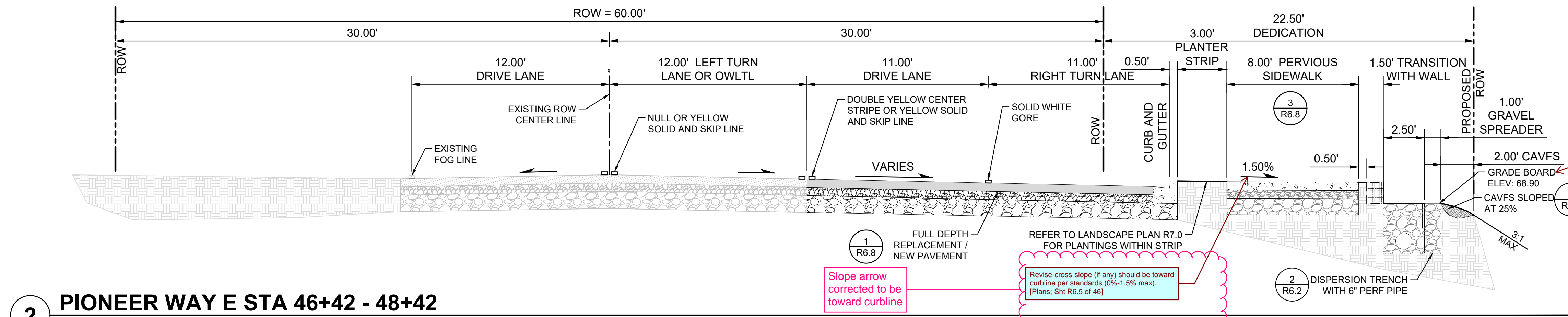
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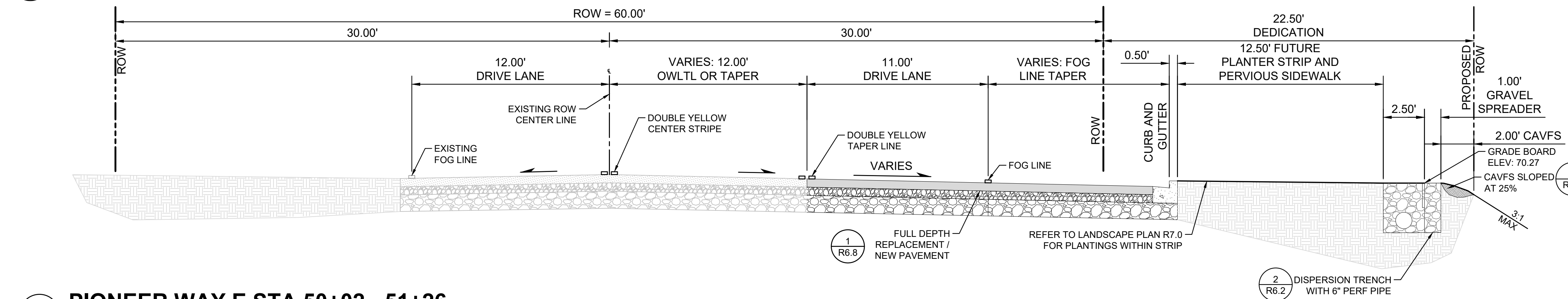
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**1 PIONEER WAY E STA 45+03 - 46+28**  
SCALE: H - 1" = 4'; VERT - NOT TO SCALE



**2 PIONEER WAY E STA 46+42 - 48+42**  
SCALE: H - 1" = 4'; VERT - NOT TO SCALE



**3 PIONEER WAY E STA 50+02 - 51+26**  
SCALE: H - 1" = 4'; VERT - NOT TO SCALE



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Δ

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Sheet Title:

**PIONEER WAY CROSS-SECTIONS**

Designed by: C.J.W. Drawn by: SK / ZP Checked by: TCS

Sheet No.

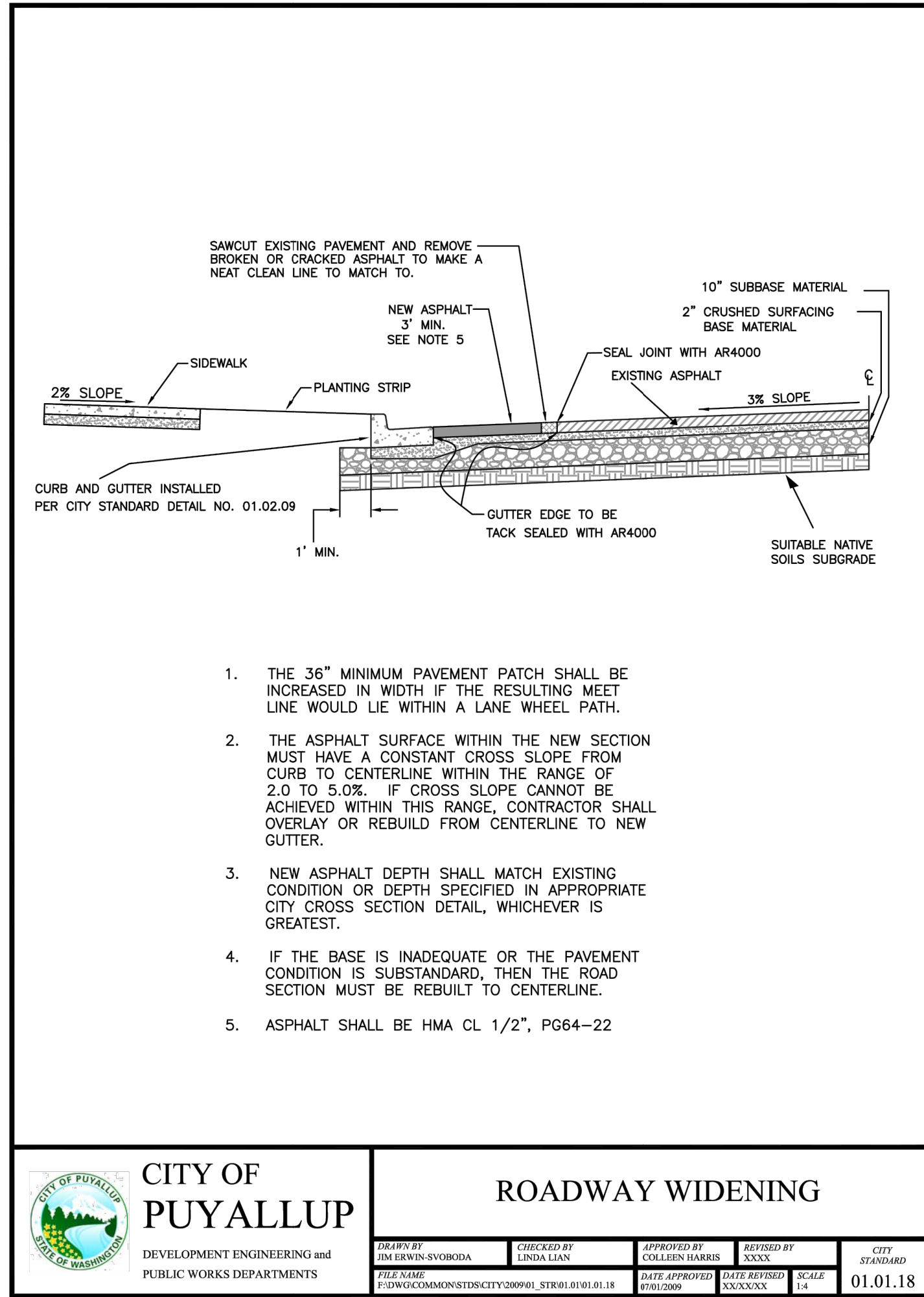
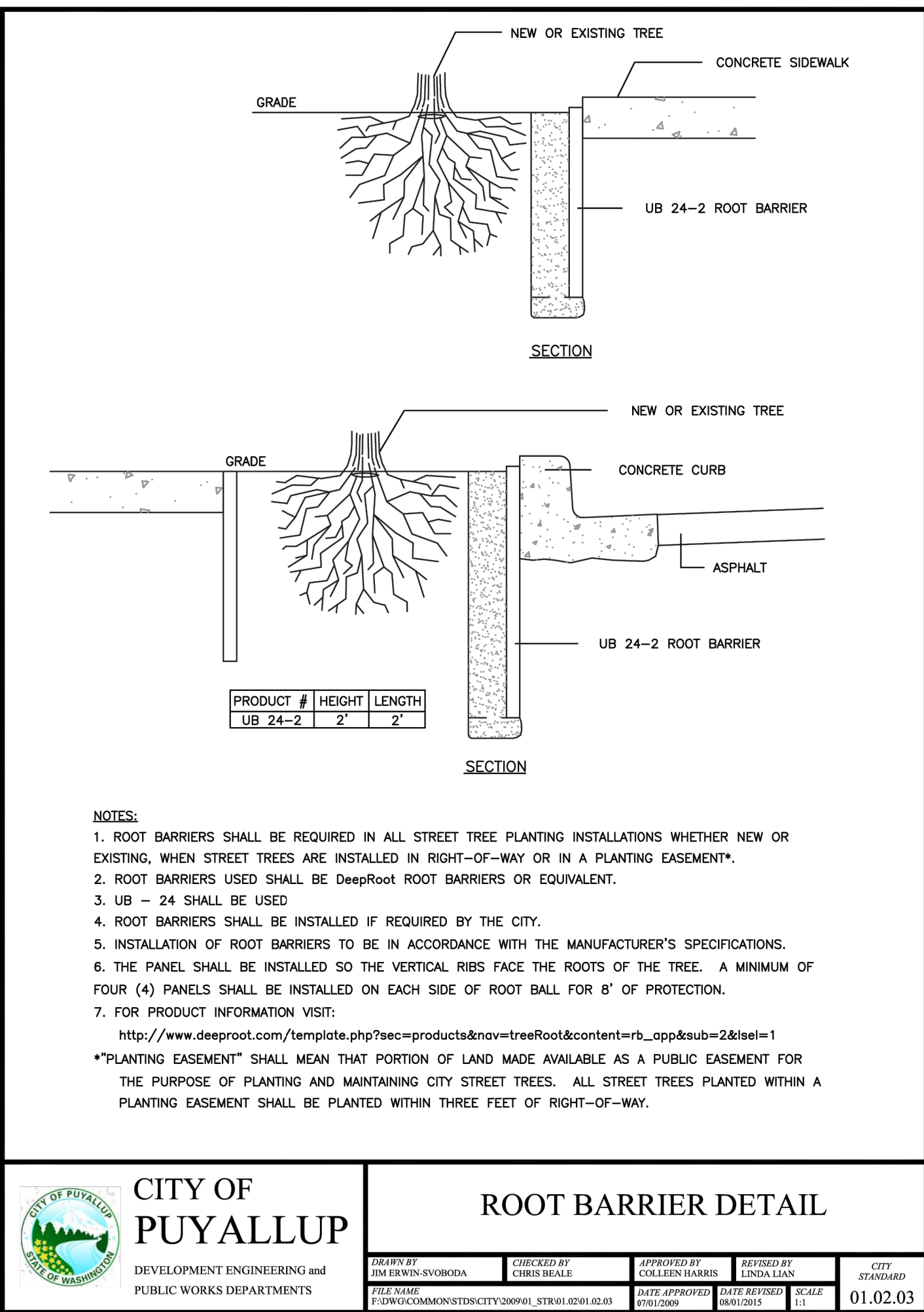
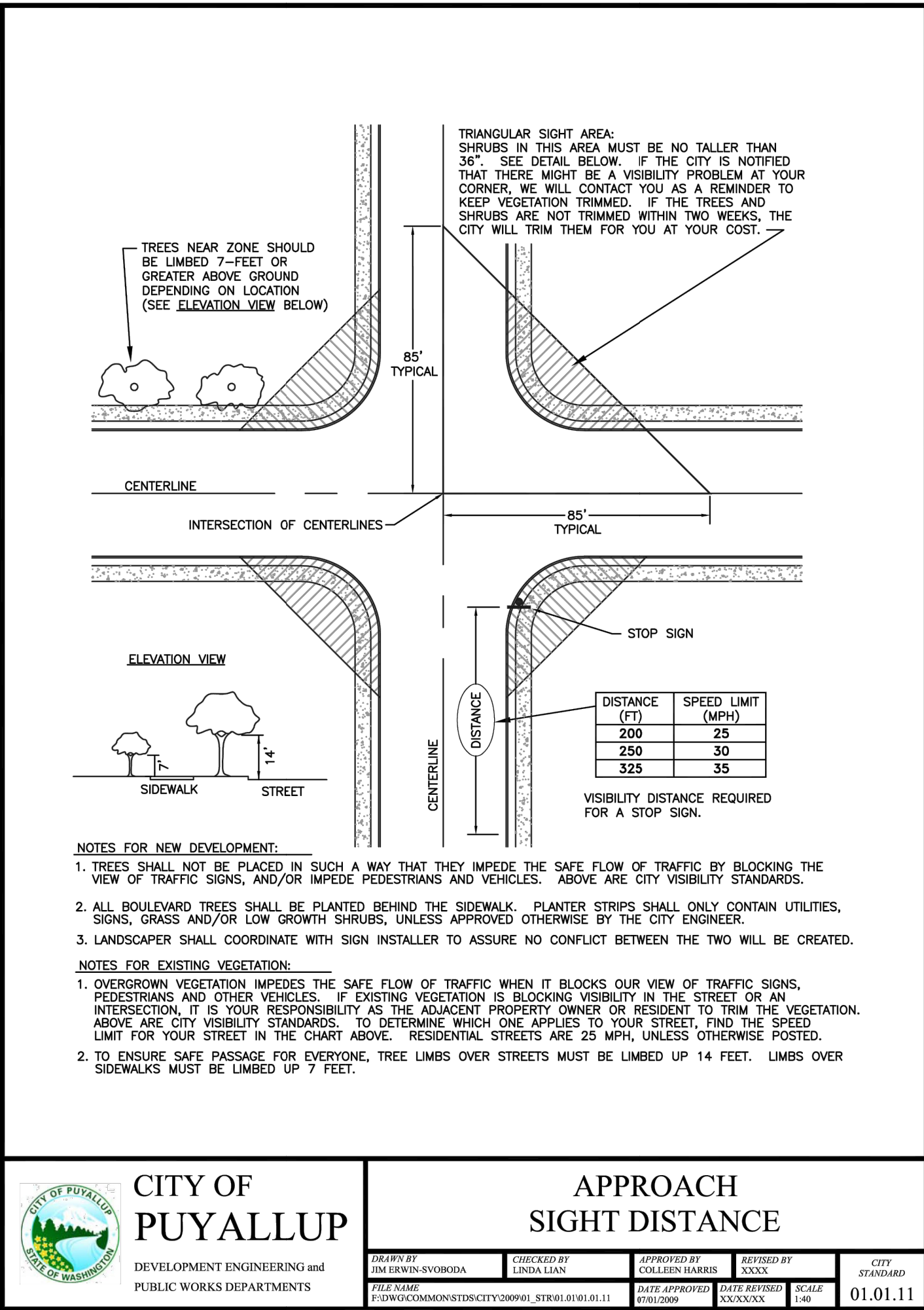
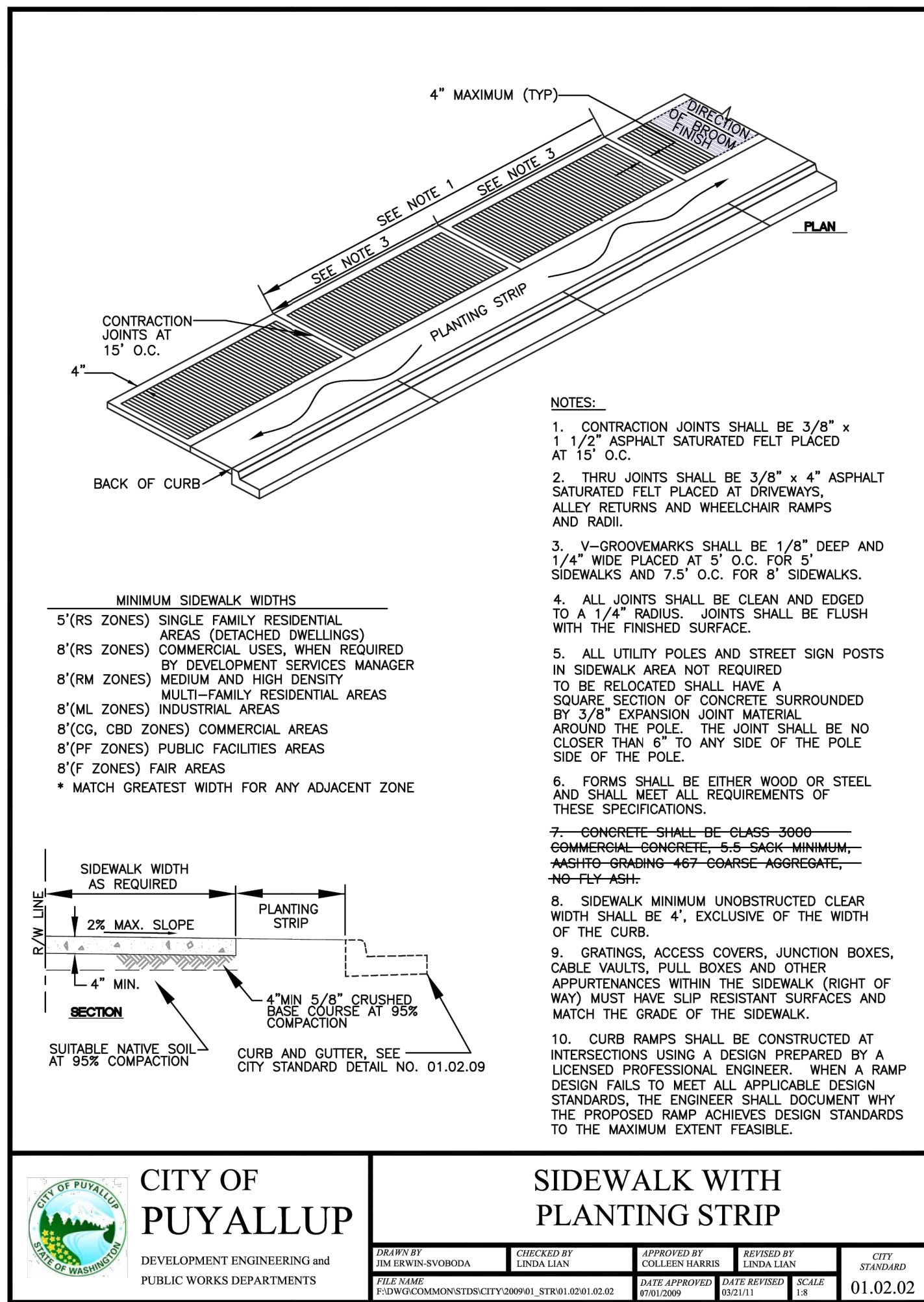
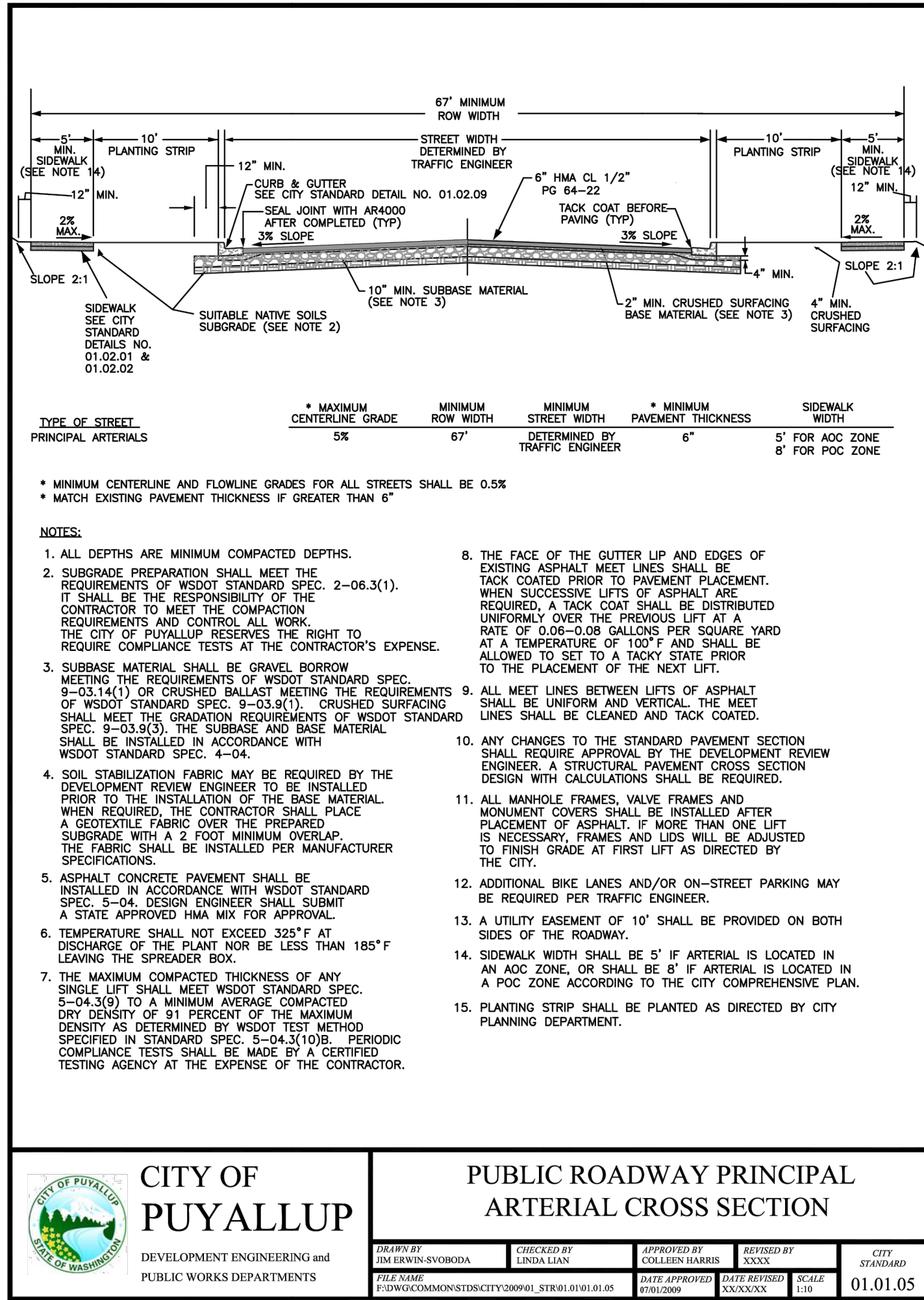
**R6.5**

22 of 46 Sheets



# EAST TOWN CROSSING FRONTAGE IMPROVEMENTS

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



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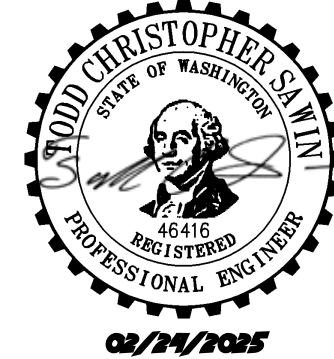
Project Title:  
**EAST TOWN CROSSING FRONTAGE IMPROVEMENTS**

Client:  
**ASH DEVELOPMENT**

GREG HELLE  
GREG.HELLE@ASHNW.COM

Project No.  
2230752

Issue Set & Date:  
**PERMIT SUBMITTAL**  
02/24/2025



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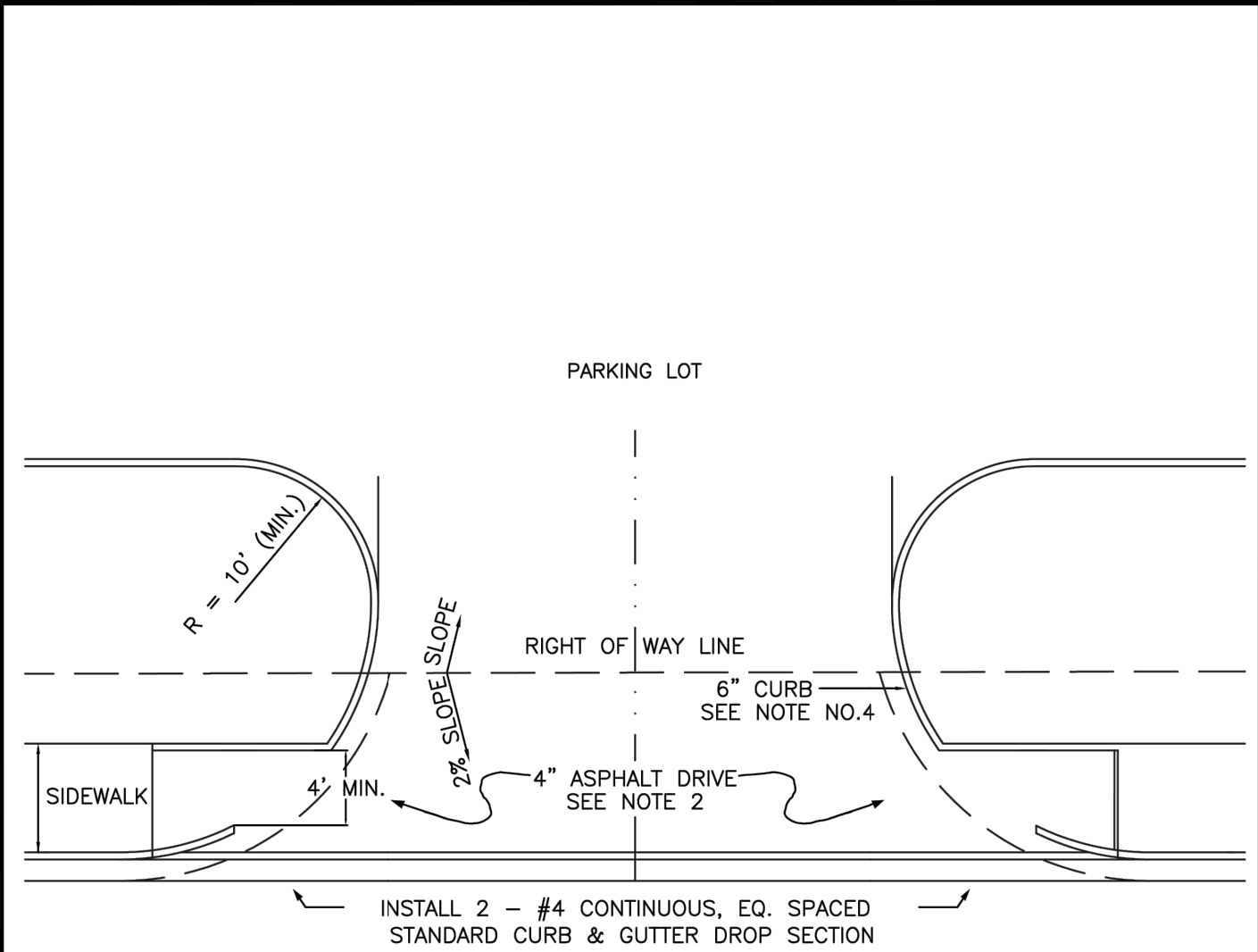
Sheet Title:  
**CHANNELIZATION DETAILS**

Designed by: C/JW Drawn by: SK / ZP Checked by: TCS

Sheet No.  
**R6.6**  
23 of 46 Sheets



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



NOTES:

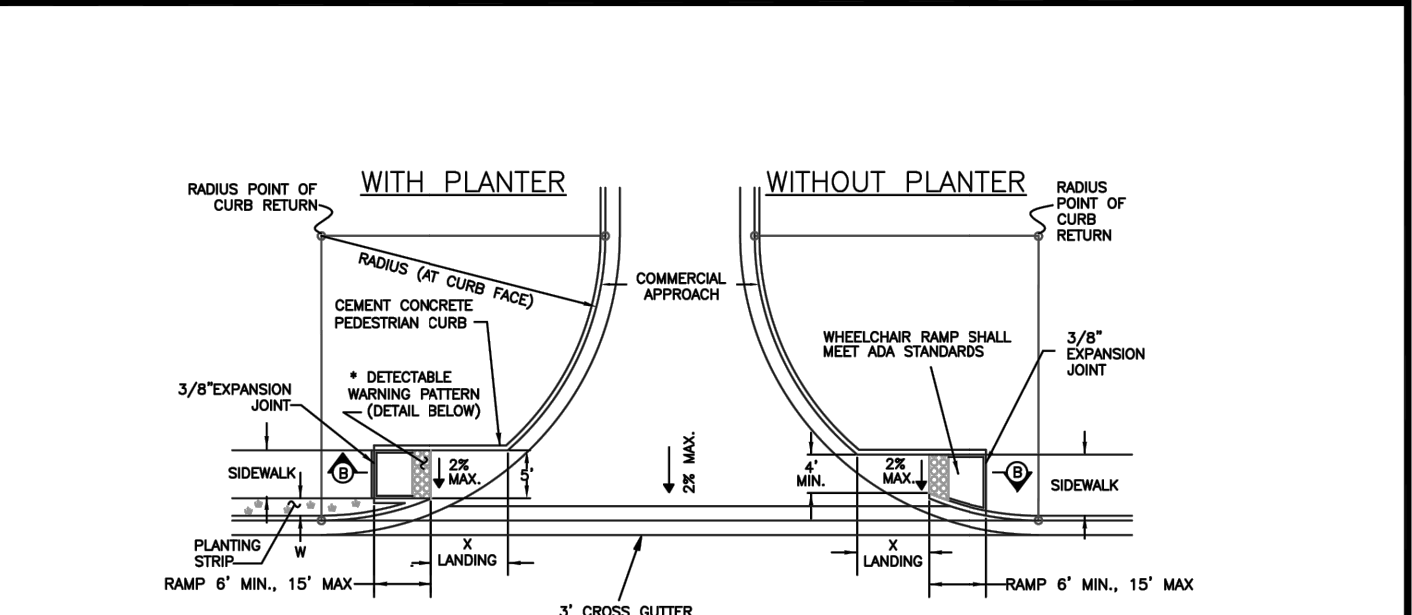
1. TYPICAL COMMERCIAL APPROACHES SHALL BE 30' WIDE AND INCLUDE 35" CURB RADI. IF TRUCKS ARE EXPECTED TO USE THE APPROACH, DRIVEWAY WIDTH, CHANNELIZATION, AND CURB RADI SHALL BE BASED ON AN APPROVED TURNING MOVEMENT ANALYSIS.
2. ALL ASPHALT PAVEMENT MUST CONFORM TO CITY STANDARD NO. 01.01.01.
3. APPROACH SHALL BE ASPHALT WITH STANDARD CURB AND GUTTER PLACED ON EACH SIDE OF THE APPROACH.
4. WHEEL CHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE TO ALL APPLICABLE STANDARDS. DETECTABLE WARNING PATTERNS SHALL BE CONSTRUCTED AT A DRIVEWAY ONLY WHEN IT WILL BE SIGNALIZED. CURB RAMP SLOPE SHALL NOT EXCEED 8.3% AS MEASURED BY A SMART LEVEL, UNLESS RAMP LENGTH IS EXTENDED TO 15'. SEE DETAIL 01.02.19 FOR ADDITIONAL ADA RAMP INFORMATION.
5. SPACING OF COMMERCIAL APPROACHES ON PRINCIPAL AND MINOR ARTERIALS SHALL BE MINIMUM 300' AND SPACING ON COLLECTORS SHALL BE MINIMUM 150', MEASURED BETWEEN THE CLOSEST EDGES OF EACH DRIVEWAY. THIS REQUIREMENT IS ALSO APPLICABLE TO THE DRIVEWAYS THAT ARE ACROSS THE STREET.
6. SPACING OF COMMERCIAL APPROACHES FROM PRINCIPAL AND MINOR ARTERIALS SHALL BE MINIMUM 300' AND SPACING FROM A COLLECTOR SHALL BE MINIMUM 150', MEASURED FROM NEAREST ROW LINE TO APPROACH PAVEMENT EDGE. THE CITY MAY BE MORE RESTRICTIVE THAN SPECIFIED HEREIN IF DEEMED NECESSARY BASED ON TRAFFIC VOLUMES, CHANNELIZATION AND SIGNALIZATION.
7. THIS COMMERCIAL APPROACH STANDARD SHALL BE USED ON ARTERIALS AND COLLECTORS WITH SPEED LIMITS OF 35 MPH OR GREATER, AND/OR WHEN TRUCK TRAFFIC WILL BE USING THE APPROACH.



CITY OF  
PUYALLUP  
DEVELOPMENT ENGINEERING and  
PUBLIC WORKS DEPARTMENTS

STANDARD  
COMMERCIAL APPROACH

DRAWN BY: JIM ERWIN-SYBOKDA  
CHECKED BY: LINDA LIAN  
APPROVED BY: COLLEEN HARRIS  
DATE APPROVED: 01/01/2009  
DATE REVISION: 01/01/2014  
CITY STANDARD  
01.02.16



GEOMETRICS TABLE

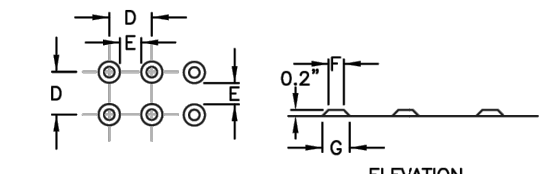
RADIUS (AT CURB FACE)	W = 3' - 0"	W = 4' - 0"	W = 5' - 0"	W = 6' - 0"
25 FEET	5'-3 1/2"	5'-7 1/4"	6'-11 1/8"	4'-6 3/4"
30 FEET	7'-3 3/4"	6'-5 1/2"	5'-9 1/4"	5'-2 1/2"
36 FEET	8'-1 1/2"	7'-1 3/4"	6'-5 1/8"	5'-10 1/8"
40 FEET	8'-9 1/2"	7'-10"	7'-1"	6'-5 3/4"
50 FEET	10'-3/4"	9'-1/4"	8'-2 1/2"	7'-6 1/2"

X = LANDING

- NOTES:
1. AVOID PLACING DRAINAGE STRUCTURES OR OTHER OBSTRUCTIONS IN RAMP AND CROSSING AREA.
  2. DETECTABLE WARNING PATTERNS MAY BE CREATED BY ANY METHOD THAT WILL ACHIEVE THE TRUNCATED DOME DIMENSIONS AND SPACING SHOWN. THE DETECTABLE WARNING PATTERN AREA SHALL BE YELLOW, AND MATCH THE COLOR OF FEDERAL STANDARD 555, COLOR NUMBER 15535.
  3. FOR SIDEWALK EXPANSION JOINT LOCATIONS AND ADDITIONAL INFORMATION, SEE CITY STANDARD DETAIL NO. 01.02.01 & 01.02.02.
  4. CURB RAMP SLOPE SHALL NOT EXCEED 8.3%, AS MEASURED BY A SMART LEVEL, UNLESS RAMP LENGTH IS EXTENDED TO 15'.

CURB GRADE	PROWAD UP-HILL RAMP LENGTH	PROWAD RAMP SLOPE
0.5%	9'-0"	8.3%
1.5%	7'-6"	8.3%
3%	9'-0"	8.3%
6%	10'	8.3%
7%	15'	10.3%
9%	15'	12.3%

SCALE: 1"=20'



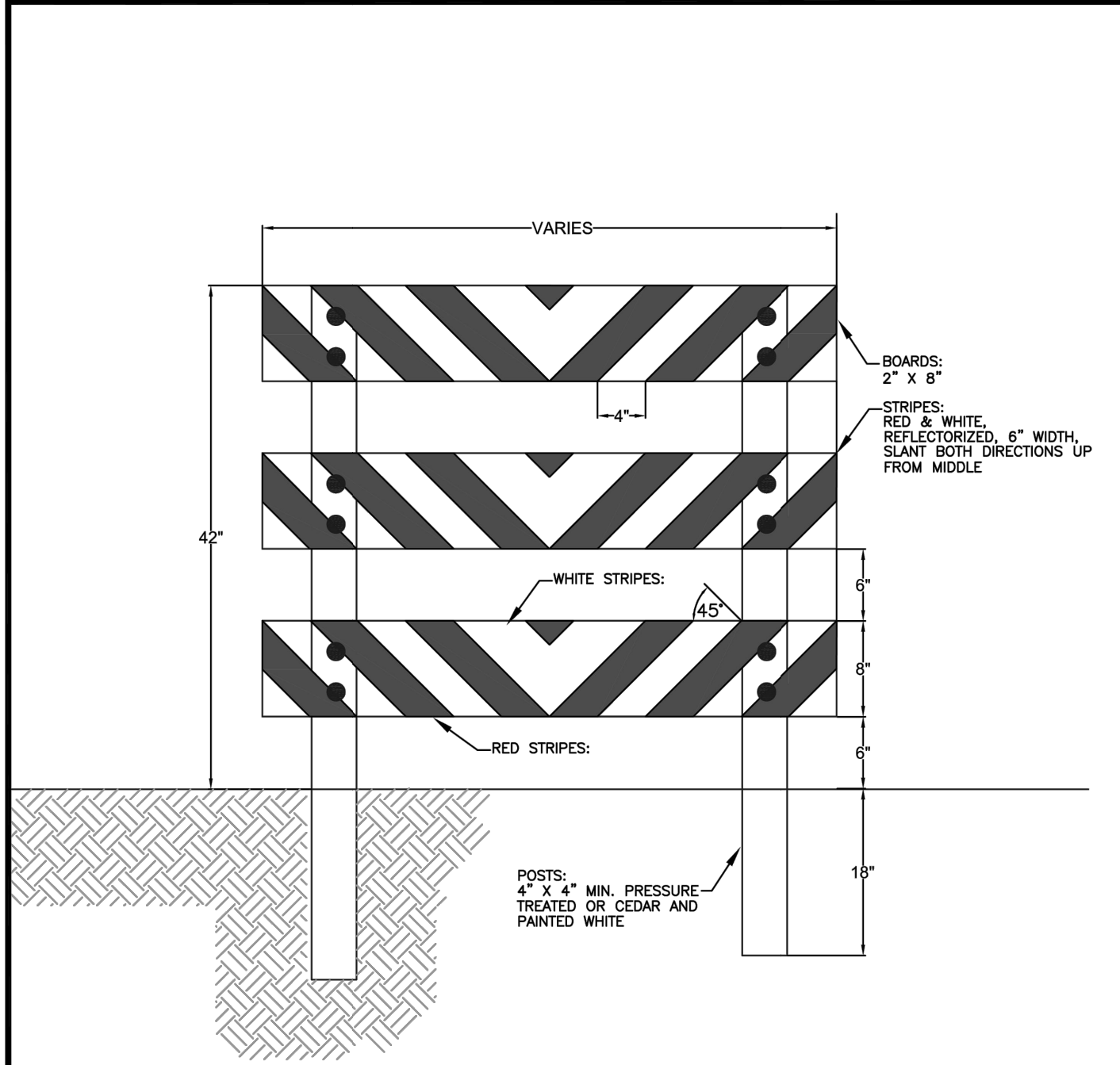
DETECTABLE WARNING PATTERN  
DETAIL



CITY OF  
PUYALLUP  
DEVELOPMENT ENGINEERING and  
PUBLIC WORKS DEPARTMENTS

SIDEWALK RAMP WITH  
COMMERCIAL APPROACHES

DRAWN BY: JIM ERWIN-SYBOKDA  
CHECKED BY: LINDA LIAN  
APPROVED BY: COLLEEN HARRIS  
DATE APPROVED: 01/01/2009  
DATE REVISION: 01/01/2014  
CITY STANDARD  
01.02.19



CITY OF  
PUYALLUP  
DEVELOPMENT ENGINEERING and  
PUBLIC WORKS DEPARTMENTS

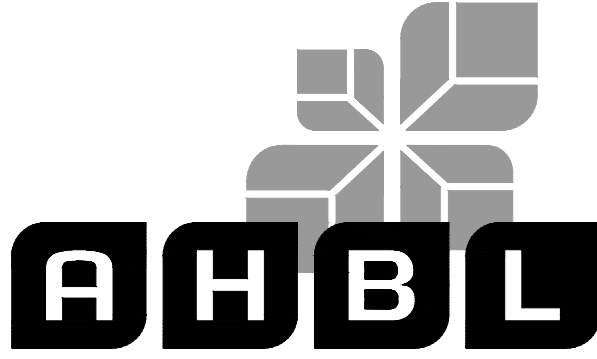
TYPE III BARRICADE FOR  
FUTURE EXTENDED SIDEWALKS

DRAWN BY: LINDA LIAN  
CHECKED BY: STEVE WHEELER  
APPROVED BY: COLLEEN HARRIS  
DATE APPROVED: 06/26/2012  
DATE REVISION: 06/11/2014  
CITY STANDARD  
01.02.20

APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
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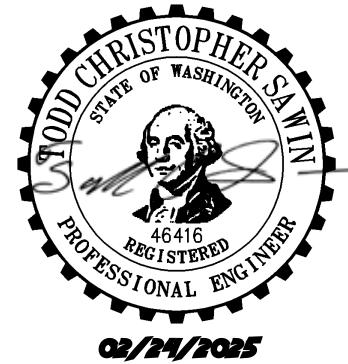
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DETAILS

Designed by: C.J.W. Drawn by: SK / ZP Checked by: TCS

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# EAST TOWN CROSSING PIONEER WAY IMPROVEMENTS

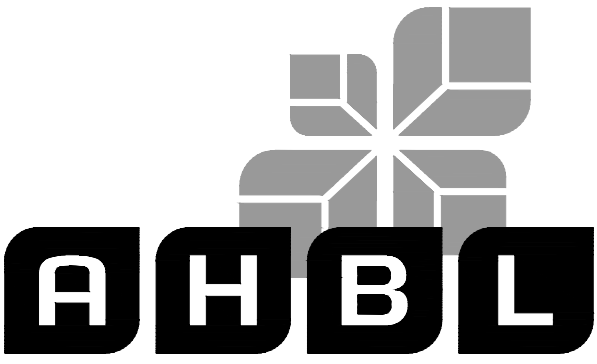
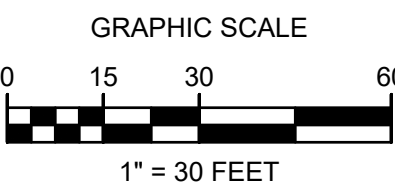
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CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
DEVELOPMENT ENGINEERING  
MANAGER.



TACOMA • SEATTLE • SPOKANE • TRI-CITIES

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**

Client:

ASH DEVELOPMENT

GREG HELLE

GREG.HELLE@ASHNW.COM

Project No.

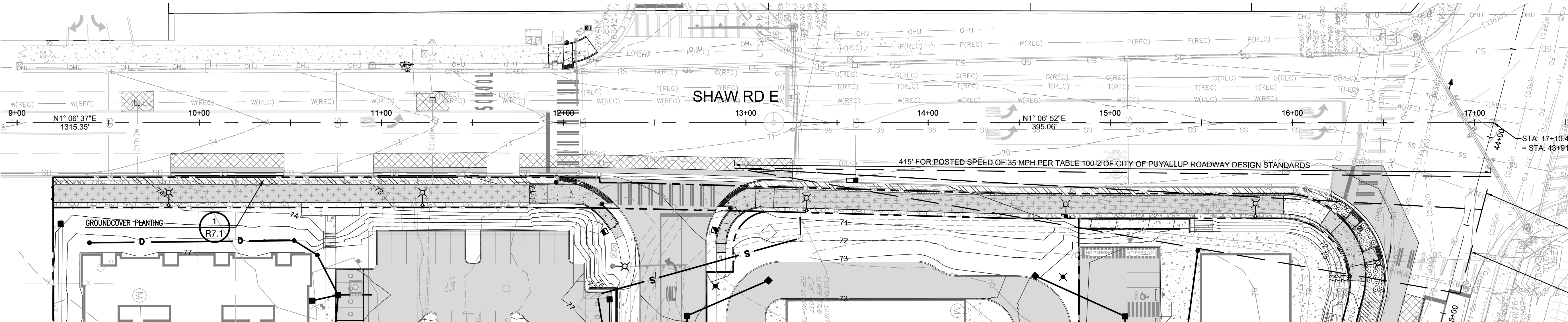
2230752

Issue Set & Date:

PERMIT SUBMITTAL

02/24/2025

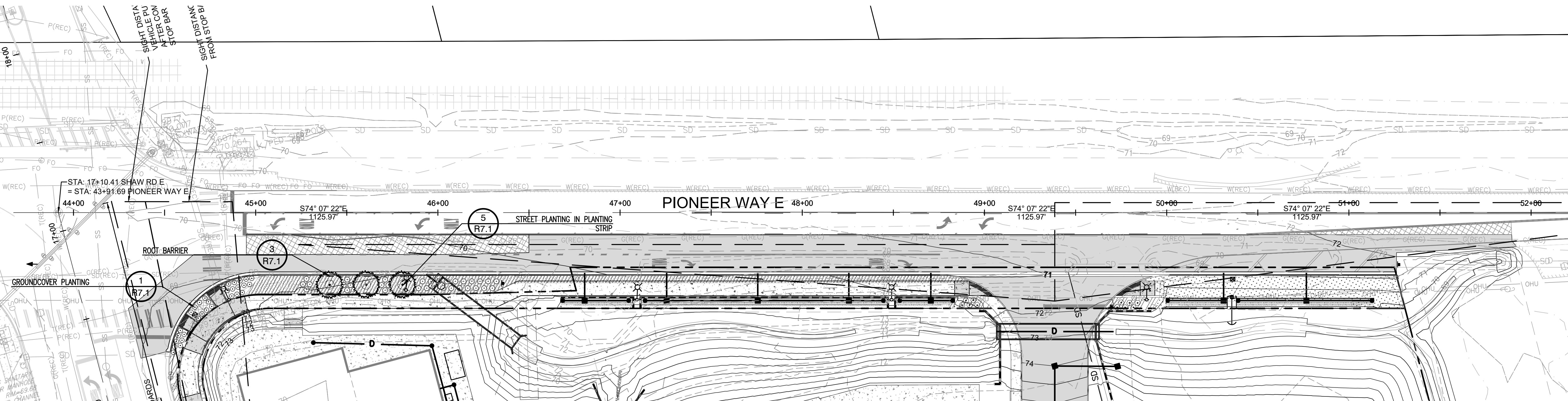
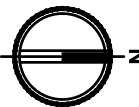
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1

### SHAW ROAD E PLANTING AND UTILITY

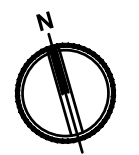
SCALE 1:30



2

### PIONEER WAY E PLANTING AND UTILITY

SCALE 1:30



Know what's below.  
Call before you dig.

DATE: December 16, 2024 FILENAME: Q:\2023\2230752\10\_CIV\CAD\2230752-SH-ROAD-LAND.dwg

A

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A

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Revisions:

Sheet Title:

**LANDSCAPE PLAN**

Designed by:

CJW

Drawn by:

SK / ZP

Checked by:

TCS

Sheet No.

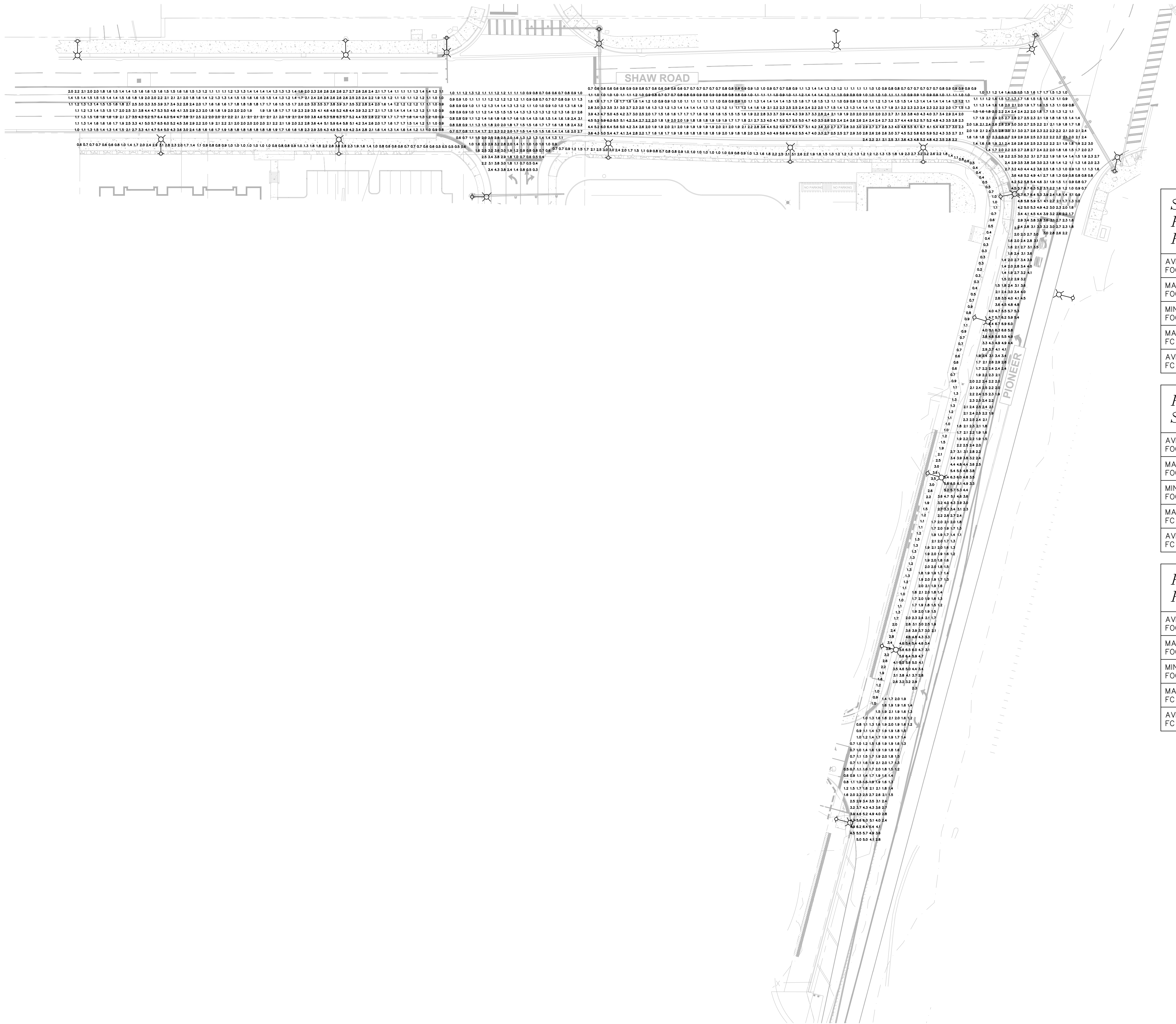
**R7.0**

26 of 46 Sheets









SHEET INDEX	
DRAWING	DESCRIPTION
SL.01	STREET LIGHTING PHOTOMETRIC STUDY
SL.02	STREET LIGHTING PLAN
SL.03	STREETLIGHT LUMINAIRE 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.
  - PHOTOMETRIC CALCULATION ELEVATION FROM POLE HEIGHT SHEET SL.03.

Shaw Road & Pioneer Intersection Photometric Schedule	
AVERAGE FOOT-CANDLES	2.37
MAXIMUM FOOT-CANDLES	6.7
MINIMUM FOOT-CANDLES	0.7
MAXIMUM TO MINIMUM FC RATIO	9.20
AVERAGE TO MINIMUM FC RATIO	3.25

Pedestrian Photometric Schedule	
AVERAGE FOOT-CANDLES	1.35
MAXIMUM FOOT-CANDLES	3.6
MINIMUM FOOT-CANDLES	0.2
MAXIMUM TO MINIMUM FC RATIO	14.60
AVERAGE TO MINIMUM FC RATIO	5.48

Pioneer Photometric Schedule	
AVERAGE FOOT-CANDLES	3.05
MAXIMUM FOOT-CANDLES	6.9
MINIMUM FOOT-CANDLES	1.1
MAXIMUM TO MINIMUM FC RATIO	6.45
AVERAGE TO MINIMUM FC RATIO	2.83

South Shaw Road Photometric Schedule	
AVERAGE FOOT-CANDLES	2.28
MAXIMUM FOOT-CANDLES	6.5
MINIMUM FOOT-CANDLES	0.8
MAXIMUM TO MINIMUM FC RATIO	8.35
AVERAGE TO MINIMUM FC RATIO	2.93

Pioneer Intersection Photometric Schedule	
AVERAGE FOOT-CANDLES	2.20
MAXIMUM FOOT-CANDLES	6.4
MINIMUM FOOT-CANDLES	0.5
MAXIMUM TO MINIMUM FC RATIO	12.78
AVERAGE TO MINIMUM FC RATIO	4.41

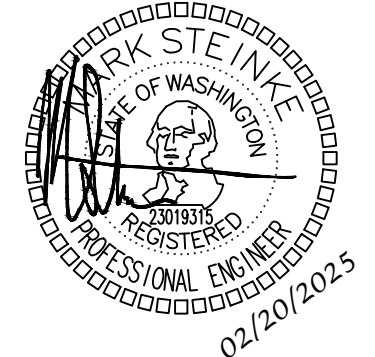
Shaw Road & Safeway Intersection Photometric Schedule	
AVERAGE FOOT-CANDLES	1.46
MAXIMUM FOOT-CANDLES	4.3
MINIMUM FOOT-CANDLES	0.3
MAXIMUM TO MINIMUM FC RATIO	15.03
AVERAGE TO MINIMUM FC RATIO	5.12

North Shaw Road Photometric Schedule	
AVERAGE FOOT-CANDLES	2.28
MAXIMUM FOOT-CANDLES	6.7
MINIMUM FOOT-CANDLES	0.6
MAXIMUM TO MINIMUM FC RATIO	11.64
AVERAGE TO MINIMUM FC RATIO	3.94

PROPOSED STREET LIGHTING PHOTOMETRIC STUDY

REVISIONS	
NO.	DATE
	12/31/24
	02/20/25

ROBISON ENGINEERING, INC  
19401 40TH AVE. N., SUITE 302  
LYNNWOOD, WA 98036  
206-864-3343



DRAWN: AJS	DESIGNED: AJS	CHECKED: STEINKE M.	APPROVED: STEINKE M.
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PROJECT: EAST TOWN CROSSING  
MULTIFAMILY DEVELOPMENT  
PIONEER WAY & SHAW RD. PUYALLUP, WA

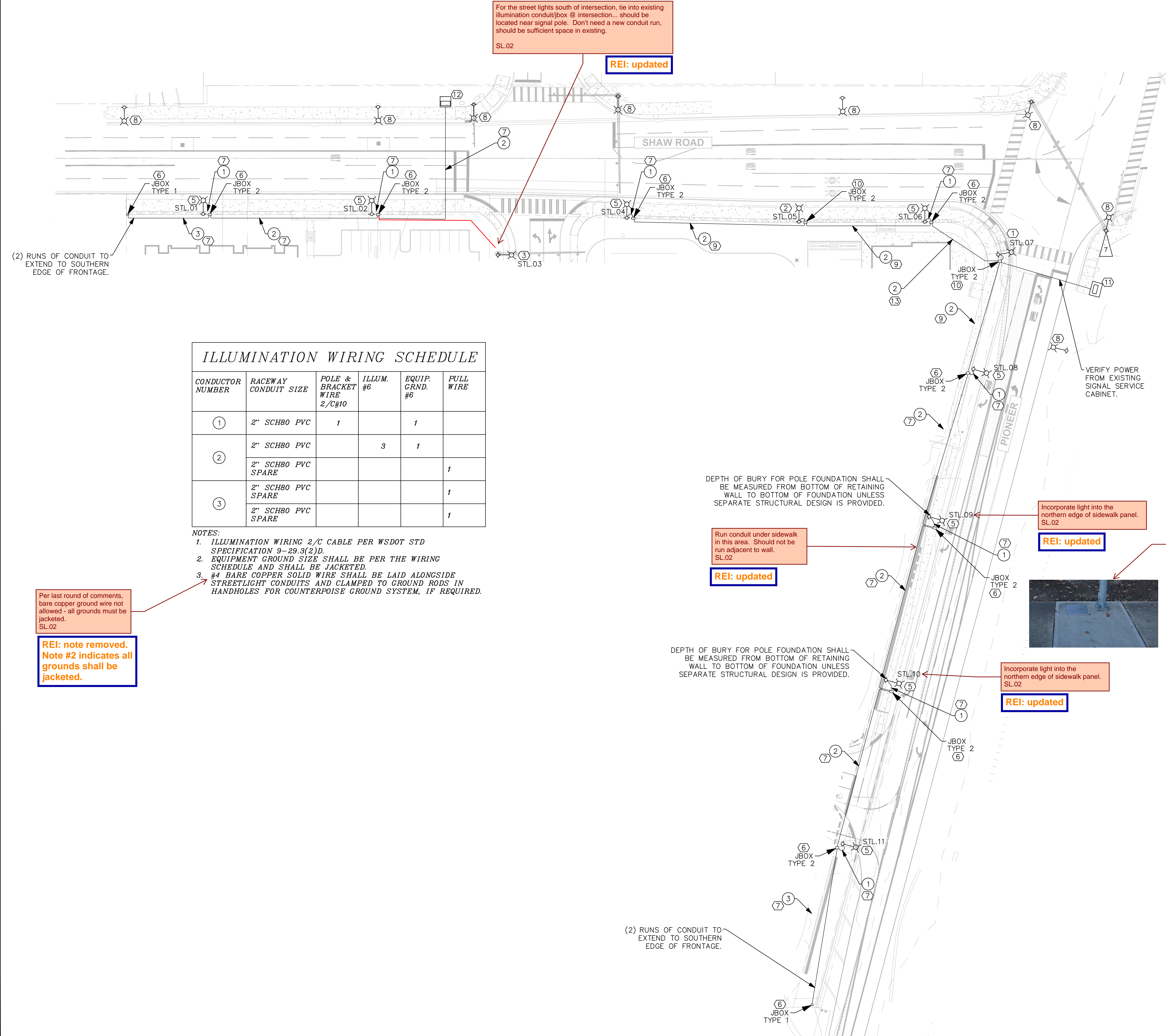
19401 40TH AVE. N. SUITE 302  
LYNNWOOD, WA 98036  
PHONE: 206-864-3343

ROBISON ENGINEERING, INC

DATE: 02-20-2025

SHEET TITLE: STREET LIGHTING PHOTOMETRIC STUDY





ILLUMINATION WIRING SCHEDULE					
CONDUCTOR NUMBER	RACEWAY CONDUIT SIZE	POLE & BRACKET WIRE 2/C#10	ILLUM. #6	EQUIP. GRND. #6	PULL WIRE
1	2" SCH80 PVC	1		1	
2	2" SCH80 PVC		3	1	
	2" SCH80 PVC SPARE				1
3	2" SCH80 PVC				1
	2" SCH80 PVC SPARE				1

- NOTES:
- ILLUMINATION WIRING 2/C CABLE PER WSDOT STD SPECIFICATION 9-29.3(2)D.
  - EQUIPMENT GROUND SIZE SHALL BE PER THE WIRING SCHEDULE AND SHALL BE JACKETED.
  - #4 BARE COPPER SOLID WIRE SHALL BE LAID ALONGSIDE STREETLIGHT CONDUITS AND CLAMPED TO GROUND RODS IN HANDHOLES FOR COUNTERPOISE GROUND SYSTEM, IF REQUIRED.

Per last round of comments, bare copper ground wire not allowed - all grounds must be jacketed. SL.02

REI: note removed. Note #2 indicates all grounds shall be jacketed.

### ILLUMINATION NOTES

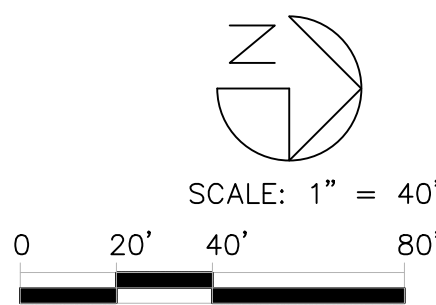
- ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY ILLUMINATION WORK.
- 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.
- CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- CONTRACTOR SHALL COORDINATE WITH THE CITY SIGNAL ILLUMINATION TECHNICIAN AT 253.341.8439 PRIOR TO CONSTRUCTION.
  - A COPY OF THE LOAD CALCULATIONS SHALL BE PROVIDED TO THE CITY'S SIGNAL TECHNICIAN PRIOR TO INSTALLATION.
  - CONTRACTOR SHALL CONTACT THE CITY'S SIGNAL TECHNICIAN WHEN THE LIGHTS ARE READY TO BE ENERGIZED.
- THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES, AND CABINETS SHOWN ON THIS PLAN MAY BE ADJUST IN THE FIELD TO AVOID CONFLICTS AND MEET ADA REQUIREMENTS. ALL FINAL LOCATIONS SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.
- JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH DIRECTION FROM THE CITY.
- CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
- 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.
- AS PART OF THE DESIGN PROCESS, THE DESIGN TEAM HAS ATTEMPTED TO ENSURE STREETLIGHT PLACEMENT IS OUTSIDE OF THE 10FT MINIMUM "SAFE ZONE" AREA. HOWEVER, IT IS POSSIBLE FOR EXISTING OR PROPOSED CONDITIONS TO CHANGE PRIOR TO CONSTRUCTION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THAT THERE ARE NO CONFLICTS WITH SUBSURFACE UTILITIES. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THAT THERE IS A MINIMUM 10FT CLEARANCE PROVIDED BETWEEN OVERHEAD POWER LINES AND THE PROPOSED LUMINAIRE POLES PRIOR TO POLE PLACEMENT. THE CITY WILL NOT ALLOW STREETLIGHTS TO BE WITHIN 10FT OF THE PSE PRIMARY FOR SAFETY REASONS.

### KEY NOTES

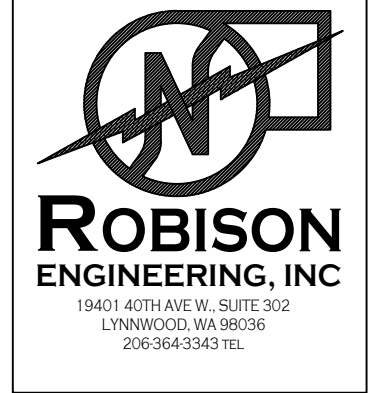
- EXISTING STREET LIGHT ON STEEL POLE TO BE UPGRADED PER 'STREETLIGHT LUMINAIRE SCHEDULE.' POLE TO BE PROTECTED IN PLACE.
- EXISTING STREET LIGHT ON STEEL POLE TO BE RELOCATED TO BACK OF SHARED USE PATH. FIXTURE TO BE UPGRADED PER 'STREETLIGHT LUMINAIRE SCHEDULE.' PROVIDE 16' ARM.
- EXISTING STREET LIGHT ON TRAFFIC POLE TO REMAIN.
- NOT USED.
- PROPOSED NEW STREET LIGHT AND STEEL POLE. REFER TO 'STREETLIGHT LUMINAIRE SCHEDULE.'
- PROPOSED NEW JUNCTION BOX. LOCATION TO BE VERIFIED IN FIELD.
- PROPOSED NEW UNDERGROUND CONDUCTORS.
- EXISTING CITY STANDARD LIGHTING NOT IN PROJECT SCOPE. INCLUDED FOR PHOTOMETRIC CALCULATIONS.
- VERIFY SCHEDULE 80 PVC AT APPROACH. REPLACE IF NECESSARY.
- VERIFY JUNCTION BOX IN FIELD AND CONDUCTORS TO STREET LIGHT POLE. REPLACE WITH WSDOT TYPE 2 AND SCHEDULE 80 PVC IF NECESSARY.
- EXISTING SIGNAL SERVICE CABINET.
  - CONFIRM ORIGINATING POWER FOR EXISTING STREETLIGHTS.
  - CONFIRM BREAKER CAPACITY FOR PROPOSED NEW STREETLIGHTS.
- EXISTING SIGNAL SERVICE CABINET AT SAFEWAY INTERSECTION.
  - CONFIRM BREAKER CAPACITY FOR PROPOSED NEW STREETLIGHTS.
- CONTRACTOR SHALL VERIFY EXISTING LIGHTING/SIGNAL CONDUIT/JBOXES. REUSE EXISTING CONDUIT RUNS IF POSSIBLE. REPLACE WITH 2-2" CONDUIT SCHEDULE 80 PVC IF NECESSARY.

### CALL BEFORE YOU DIG

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE 811 OR 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



REVISIONS	DESCRIPTION	DATE	PERMIT SET	STREET LIGHTING REVISIONS
NO.		12/31/24		02/20/25



DRAWN: AJS	DESIGNED: AJS	CHECKED: STEINKE M.	APPROVED: STEINKE M.
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PROJECT: EAST TOWN CROSSING  
MULTIFAMILY DEVELOPMENT  
PIONEER WAY & SHAW RD. PUYALLUP, WA

19401 40TH AVE W, SUITE 302  
LYNNWOOD, WA 98036  
PHONE: 206-864-3343

**ROBISON**  
ENGINEERING, INC

DATE:	02-20-2025
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SHEET TITLE:	STREET LIGHTING PLAN
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SHEET NO. 29 of 46	SL.02
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### PROPOSED STREET LIGHTING PLAN



STREETLIGHT HANDHOLE SCHEDULE	
SYMBOL	TYPE
□ TYPE 1	WSDOT LOCKING LID STANDARD DUTY JUNCTION BOX – STANDARD PLAN J=40.10-04
□ TYPE 2	WSDOT LOCKING LID STANDARD DUTY JUNCTION BOX – STANDARD PLAN J=40.10-04

All the MOSS GREEN light poles (16ft arms) along SUP need to match units installed along the Shaw Rd south of 23rd Ave. Shaw Road lights shall use WSDOT standard poles (J-28.10, J-28.40, J-28.50 and J-28.70), same units used on Shaw Rd (south of 23rd Ave). SL.03

REI: updated  
WSDOT standard plans J-28.10, J-28.40, and J-28.50 added to sheets E0.12-E0.13



CALLOUT	SYMBOL	MOUNTING	DESCRIPTION	MODEL	CCT	LAMP	WATTAGE	VOLTAGE	ARM	POLE	STATION / OFFSET
STL.01		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	16' ARM PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	30' POLE PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	9+83.19 / 45.28' RT
STL.02		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	16' ARM PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	30' POLE PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	11+22.46 / 45.33 RT
STL.03		TRAFFIC POLE	EXISTING STREET LIGHT	EXISTING	4000K	(1) 177W LED	177	240	EXISTING	EXISTING	12+26.74 / 78.87' RT
STL.04		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	16' ARM PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	30' POLE PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	13+33.31 / 48.23'RT
STL.05		30' POLE	EXISTING STREET LIGHT TO BE UPGRADED	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	16' ARM PER COP STANDARD PLAN 01.05.04 / MOSS GREEN (RAL 6005)	EXISTING TO BE REUSED IF IN GOOD CONDITION / MOSS GREEN (RAL 6005)	14+75.62 / 51.36' RT
STL.06		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	16' ARM PER COP STANDARD PLAN 01.05.04	30' POLE PER COP STANDARD PLAN 01.05.04	15+79.65 / 51.33' RT
STL.07		30' POLE	EXISTING STREET LIGHT TO BE UPGRADED	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	EXISTING	EXISTING	44+85.35 / 47.87' RT
STL.08		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	12' ARM PER COP STANDARD PLAN 01.05.04	30' POLE PER COP STANDARD PLAN 01.05.04	45+82.50 / 42.50' RT
STL.09		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	12' ARM PER COP STANDARD PLAN 01.05.04	30' POLE PER COP STANDARD PLAN 01.05.04	47+09.24 / 47.73' RT
STL.10		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	12' ARM PER COP STANDARD PLAN 01.05.04	30' POLE PER COP STANDARD PLAN 01.05.04	48+49.00 / 47.73' RT
STL.11		30' POLE	PROPOSED NEW STREET LIGHT	GE CURRENT: EVOLVE / ERL2 3 23 A5 40 D GRAY A V1	4000K	(1) 177W LED	177	240	12' ARM PER COP STANDARD PLAN 01.05.04	30' POLE PER COP STANDARD PLAN 01.05.04	49+89.00 / 48.73' RT

- NOTES:
1. LIGHT FIXTURE PER CITY OF PUYALLUP (COP).
  2. AT PROPOSED CITY LIGHT STANDARD LOCATIONS, ENCAPSULATE THE LIGHT BASE AND J-BOX IN CONCRETE.
  3. PROVIDE SHORTING CAPS FOR ALL NEW AND UPDATED STREETLIGHTS.

This light is along the shared use path and therefore needs to be MOSS GREEN (RAL 6005) SL.03

REI: updated

Existing light can be relocated to E Pioneer frontage if it's in good condition and if it meets engineering requirements per 01.05.04. This unit will not be painted green. SL.03

REI: updated

Panel

SHAW/PIONEER – STLC

ROOM  
MOUNTING FLOOR  
FED FROM UTILITY  
NOTE

VOLTS 240/120V 2P 3W  
BUS AMPS 100  
NEUTRAL 100%

AIC 22,000  
MAIN BKR MLO  
LUGS STANDARD

CKT #	CKT BKR	LOAD KVA	BKR RATING	CONTACTOR	CIRCUIT DESCRIPTION	CKT #	CKT BKR	LOAD KVA	BKR RATING	CONTACTOR	CIRCUIT DESCRIPTION
1	20/2	0.531	20 AMPS	30 AMPS	L1 LIGHTING	2	20/2	0.708	20 AMPS	30 AMPS	L2 LIGHTING
3	I					4	I				

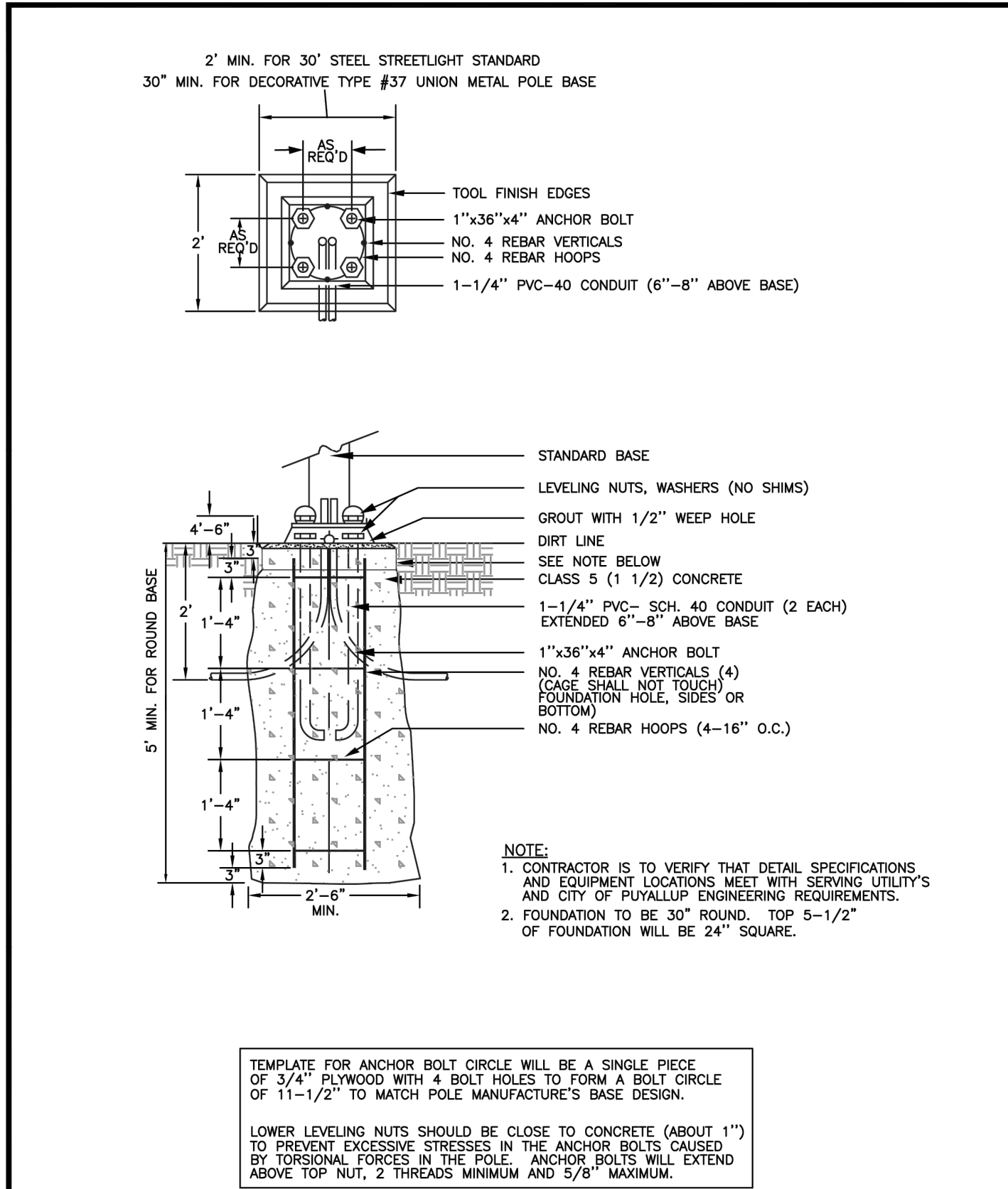
	CONN KVA	CALC KVA		CALC KVA
LIGHTING	1.24	1.55	(125%)	
	TOTAL LOAD			1.55
	BALANCED LOAD			6.45 A
	PHASE A			100%
	PHASE B			100%

For all ELB adjustable SL.03

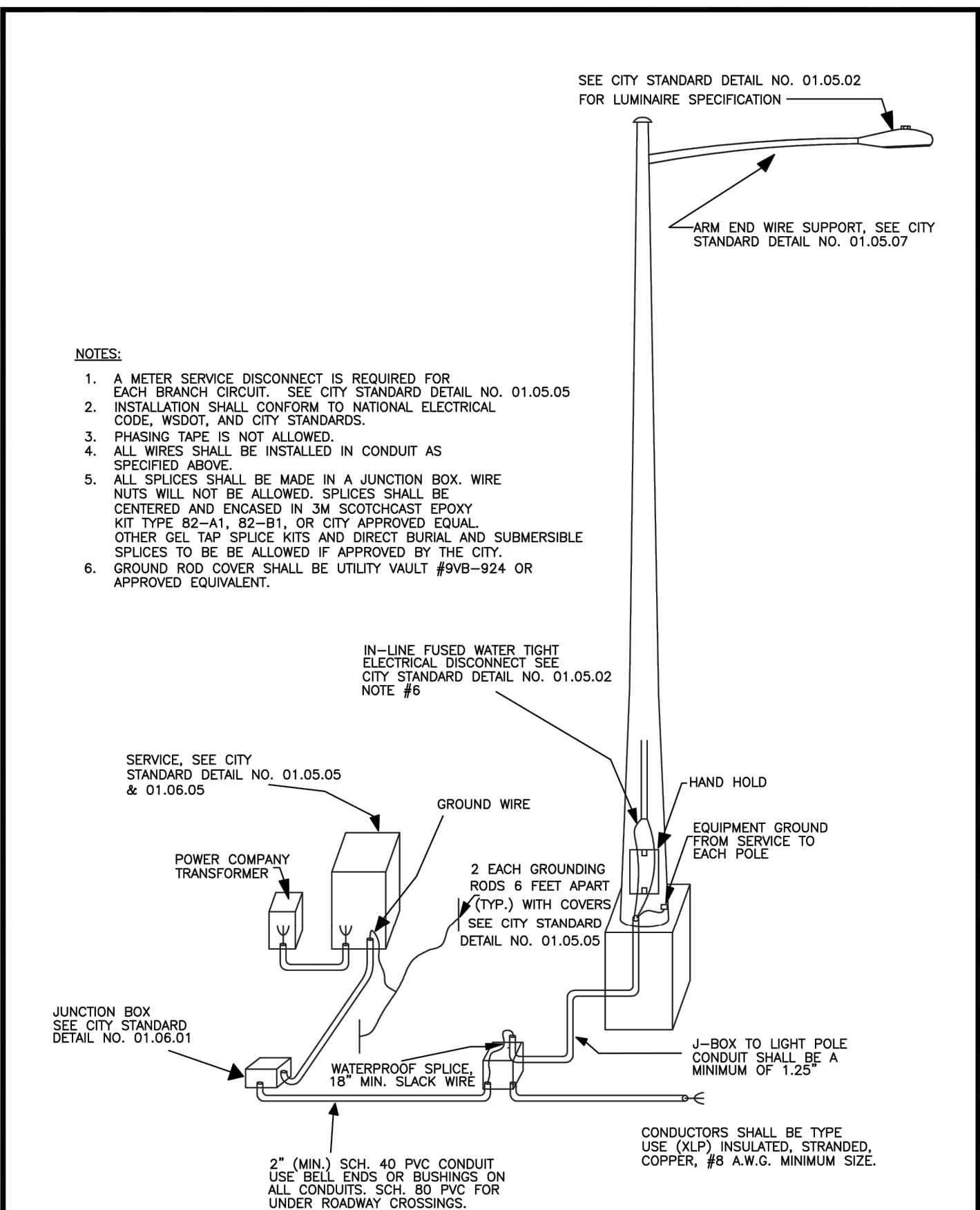


This detail to be used for all E Pioneer lights (12ft arms, not painted).  
The Shaw Rd lights (16ft arms, MOSS GREEN) will use WSDOT spec. SL.10

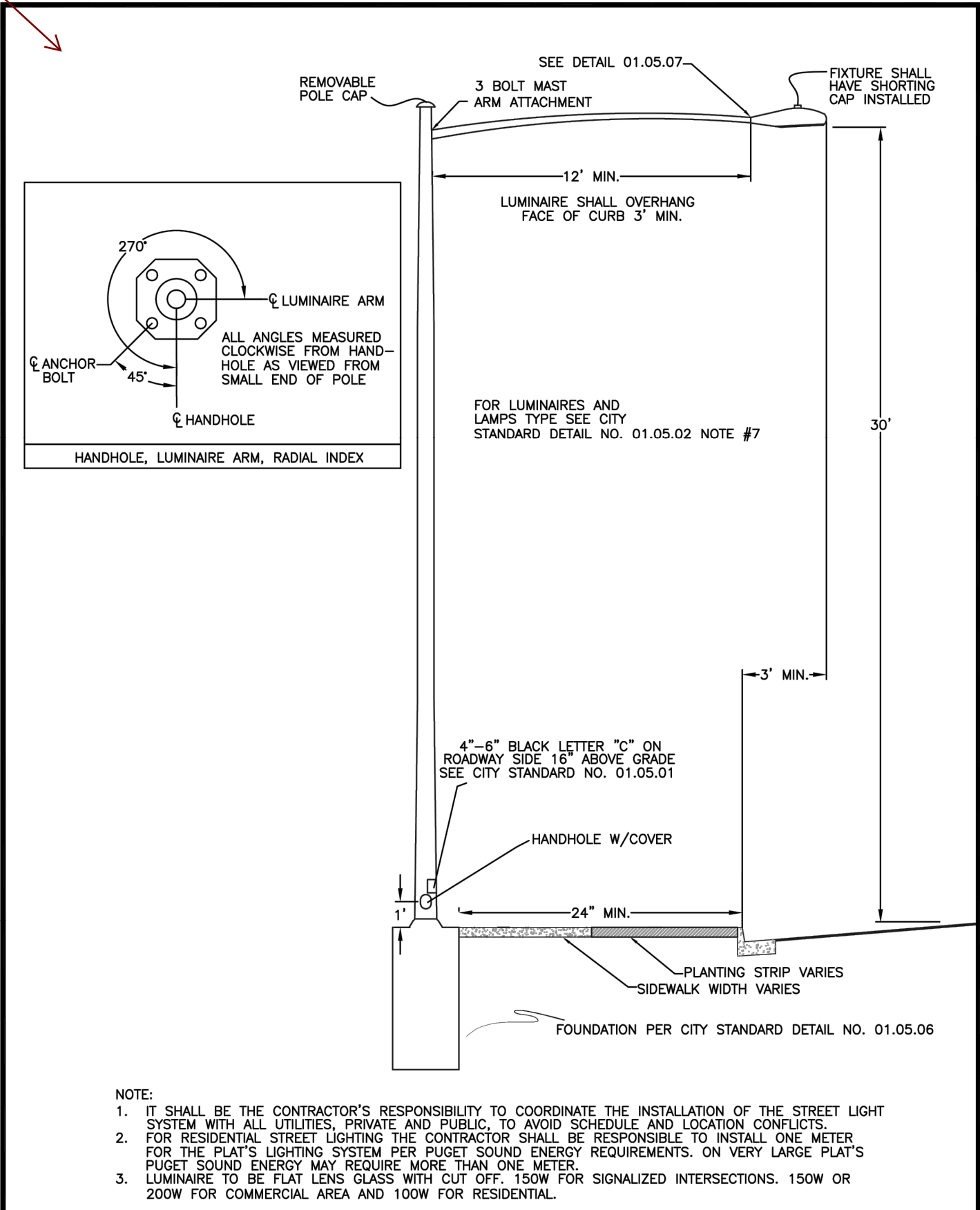
REI: added WSDOT standard plan J-28.70 added to sheet E0.13.



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	CONCRETE STREETLIGHT FOUNDATION TYPICAL					CITY STANDARD
	DRAWN BY JIM ERWIN-SVORODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED BY LINDA LIAN	CITY STANDARD	
FILE NAME P:\WORKCOMMON\STREETCITY\2009\01_STE01.05.01.05.06	DATE APPROVED 01/01/2009	DATE REVISION 01/01/2009	SCALE AS SHOWN	SCALE 1:2	01.05.06	



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	TYPICAL STREET LIGHT INSTALLATION					CITY STANDARD
	DRAWN BY JIM ERWIN-SVORODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED BY LINDA LIAN	CITY STANDARD	
FILE NAME P:\WORKCOMMON\STREETCITY\2009\01_STE01.05.01.05.03	DATE APPROVED 01/01/2009	DATE REVISION 01/01/2009	SCALE 1:5	SCALE 1:5	01.05.03	



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	STREET LIGHT					CITY STANDARD
	DRAWN BY JIM ERWIN-SVORODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED BY LINDA LIAN	CITY STANDARD	
FILE NAME P:\WORKCOMMON\STREETCITY\2009\01_STE01.05.01.05.04	DATE APPROVED 01/01/2009	DATE REVISION 01/01/2009	SCALE 1:5	SCALE 1:5	01.05.04	

## STREET LIGHTING SPECIFICATIONS

- 30-FOOT STEEL STREETLIGHT STANDARD
  - DIMENSIONS

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 BOLT AND POLE.

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.
  - STRENGTH

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.
  - FINISH

THE POLES AND ALL HARDWARE SAHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.
  - MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
  - EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
  - EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.
- ANCHORAGE
  - 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.
  - 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 PUBLIC WORKS DEPARTMENTS	STREET LIGHT SPECIFICATIONS					CITY STANDARD
	DRAWN BY JIM ERWIN-SVORODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED BY LINDA LIAN	CITY STANDARD	
FILE NAME P:\WORKCOMMON\STREETCITY\2009\01_STE01.05.01.05.01	DATE APPROVED 01/01/2009	DATE REVISION 01/01/2009	SCALE 1:5	SCALE 1:5	01.05.01	

## (STR LIGHT SPECS CONTINUED)

- 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 "JT" 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 20 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.
- FUSES

LUMINAIRE 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 LUMINAIRE WIRING DETAIL IN THE APPENDIX. IN-LINE FUSE HOLDERS SHALL BE SEC MODEL 1701-SF WITH FNM-5 FUSES OR APPROVED EQUAL. (REFER TO CITY STANDARD DETAIL NO. 01.06.01)

RESIDENTIAL STREETS AND NEIGHBORHOOD COLLECTORS:  
LEOTEX 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.
- SAFE WIRING LABELS

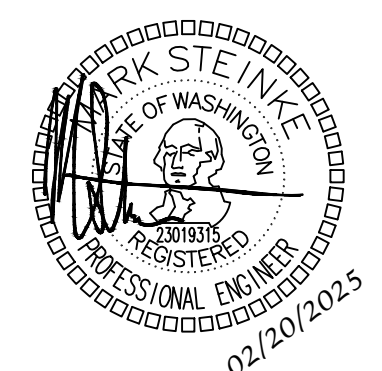
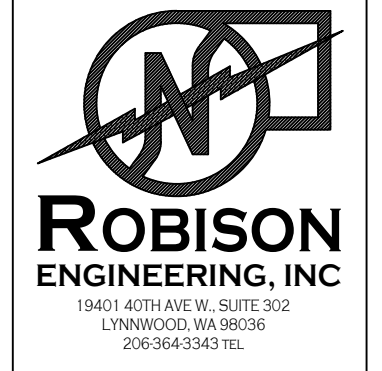
THE CONTRACTOR IS ADVISED THAT SAFE WIRING LABELS REQUIRED BY LABOR AND INDUSTRIES SHALL APPLY ON THIS PROJECT. (ELECTRICAL INSPECTION STICKER)
- GARANTEE

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.

CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	STREET LIGHT SPECIFICATIONS (CONT.)					CITY STANDARD
	DRAWN BY JIM ERWIN-SVORODA	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED BY LINDA LIAN	CITY STANDARD	
FILE NAME P:\WORKCOMMON\STREETCITY\2009\01_STE01.05.01.05.02	DATE APPROVED 01/01/2009	DATE REVISION 01/01/2009	SCALE 1:5	SCALE 1:5	01.05.02	

REVISIONS	DESCRIPTION	
	DATE	PERMIT SET
NO.	12/31/24	02/20/25
		STREET LIGHTING REVISIONS



DRAWN: AJS	DESIGNED: AJS	CHECKED: STEINKE M.	APPROVED: STEINKE M.
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PROJECT: EAST TOWN CROSSING MULTIFAMILY DEVELOPMENT PIONEER WAY & SHAW RD. PUYALLUP, WA	19401 40TH AVE W. SUITE 302 LYNNWOOD, WA 98036 PHONE: 206364-3343
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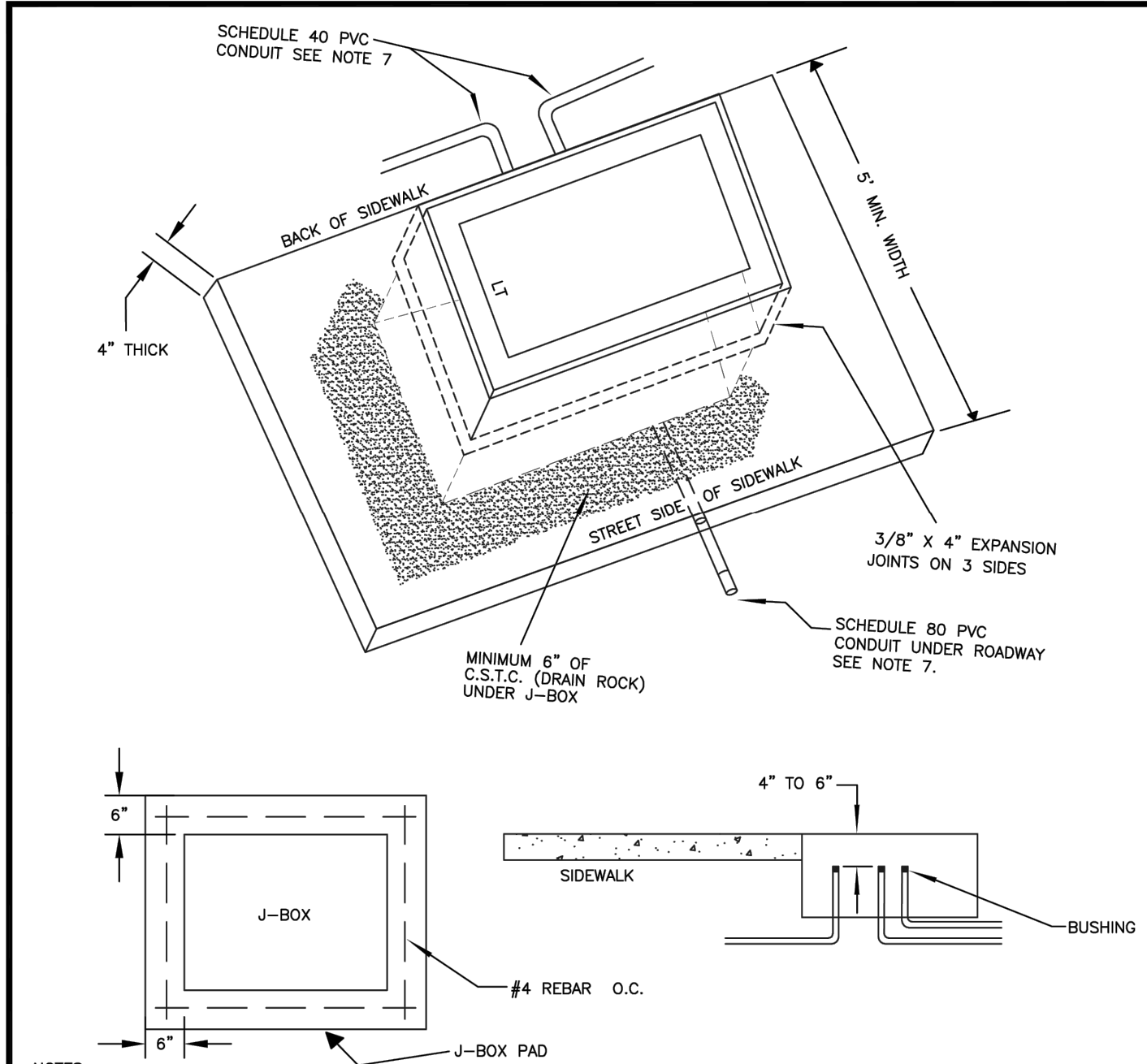
DATE: 02-20-2025
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SHEET TITLE: STREET LIGHTING - DETAILS
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SHEET NO. 31 of 46
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SL.10
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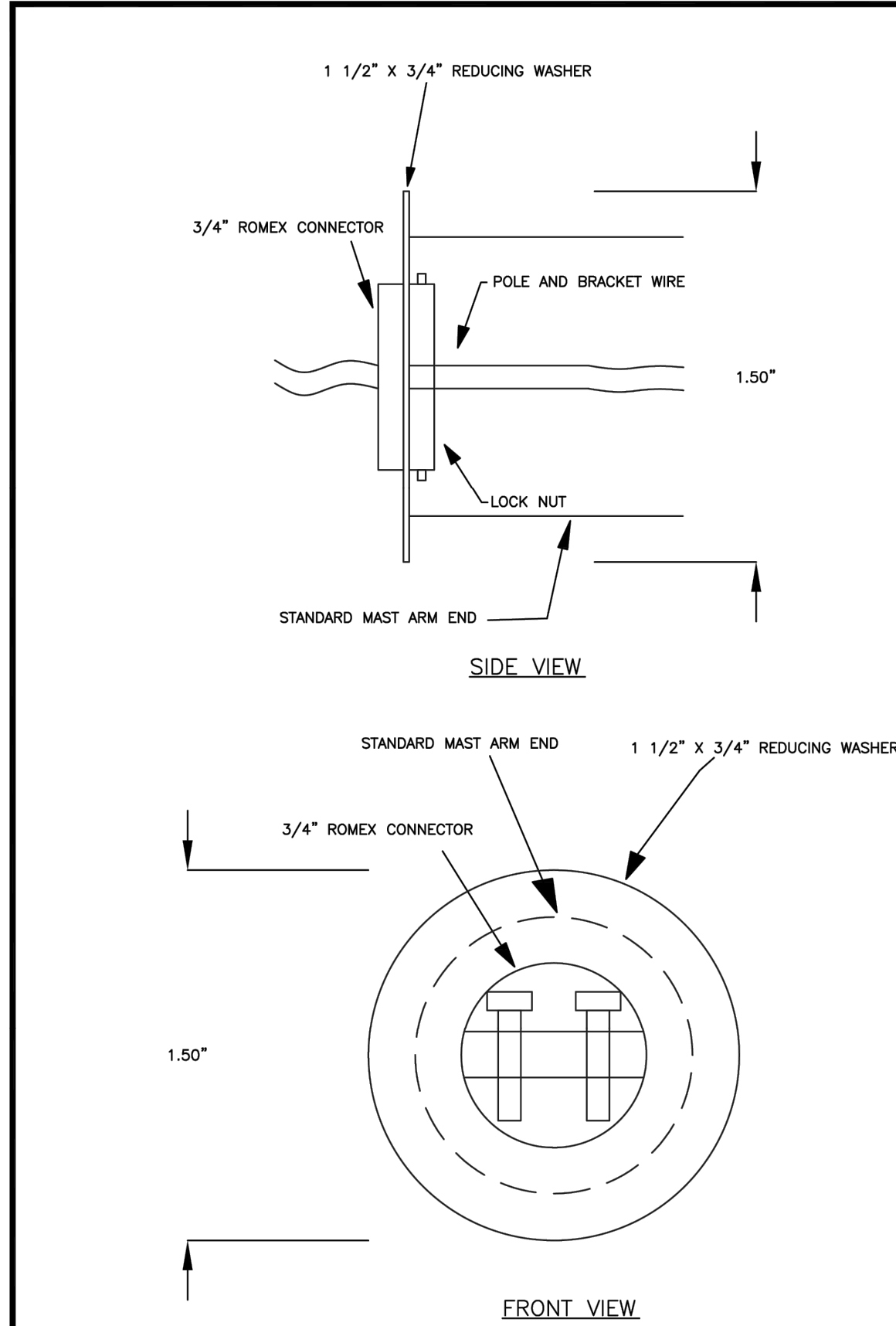
- NOTES:
1. SEE W.S.D.O.T. STANDARD PLAN J-40.10-03 FOR J-BOX TYPE AND SIZE.
  2. ALL LIDS SHALL BE GALVANIZED STEEL AND MARKED WITH AN "LT" OR "TS" PER W.S.D.O.T. STANDARD PLAN J-40.10-03. NON-SLIP SURFACE TREATMENT SHALL BE MEBAC1 OR SlipNOT #3.
  3. TYPE III SHALL BE DUAL HINGED
  4. IF NO SIDEWALK EXISTS, A CONCRETE COLLAR SHALL BE CONSTRUCTED 6" THICK, 6" WIDE, COMPLETELY SURROUNDING THE J-BOX WITH ONE #4 REBAR ON CENTER EACH SIDE AND TIED AT CORNERS. CLASS 5 (1 1/2) CONCRETE SHALL BE USED. BY PERMISSION, COLLAR MAY ENCOMPASS JUNCTION BOX AND STREET LIGHT. PREFERRED LOCATION OF JUNCTION BOX SHOULD NOT BE IN THE SIDEWALK, BUT RATHER AT THE BACK OF SIDEWALK WITH 3-SIDED COLLAR.
  5. CONDUIT RUNS SHALL NOT EXCEED 195 FEET BETWEEN JUNCTION BOXES.
  6. JUNCTION BOX SHALL BE LOCATED WITHIN 10 FEET OF EACH LUMINAIRE POLE AND AT ROAD CROSSING.
  7. CONDUIT MATERIAL SHALL BE AS SPECIFIED IN WSDOT STANDARD SPECIFICATION 8-20.3(5) OR AS MODIFIED ON SPECIAL PROVISIONS.
  8. STREET LIGHT JUNCTION BOXES SHALL BE WELDED SHUT, 2'-2" LONG WELDS MIN., IMMEDIATELY AFTER L & I AND CITY INSPECTIONS TO HELP PREVENT WIRE THEFT. OTHER THEFT PREVENTION METHODS MAY BE USED IF APPROVED BY THE CITY.



**CITY OF  
PUYALLUP**  
DEVELOPMENT ENGINEERING and  
PUBLIC WORKS DEPARTMENTS

**JUNCTION BOX**

DRAWN BY: JIM ERWIN-SVORODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	DESIGNED BY: LINDA LIAN	CITY STANDARD
FILE NAME: P:\PROJECTS\COMMON\STDS\CITY\3009\01_STR\01.06\01.06.01	DATE APPROVED: 02/20/2025	DATE REVISION: 11/18/2014	SCALE: 1:2	01.06.01



**CITY OF  
PUYALLUP**  
DEVELOPMENT ENGINEERING and  
PUBLIC WORKS DEPARTMENTS

**STREET LIGHT POLE AND BRACKET  
WIRE SUPPORT AT ARM END**

DRAWN BY: JIM ERWIN-SVORODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	DESIGNED BY: XXXX	CITY STANDARD
FILE NAME: P:\PROJECTS\COMMON\STDS\CITY\3009\01_STR\01.06\01.06.07	DATE APPROVED: 02/20/2025	DATE REVISION: XXXXXX	SCALE: 20:1	01.05.07

NO.	DATE	DESCRIPTION
	12/31/24	PERMIT SET
	02/20/25	STREET LIGHTING REVISIONS



DRAWN: AJS	DESIGNED: AJS	CHECKED: STEINKE M.	APPROVED: STEINKE M.
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PROJECT: **EAST TOWN CROSSING**  
MULTIFAMILY DEVELOPMENT  
PIONEER WAY & SHAW RD. PUYALLUP, WA

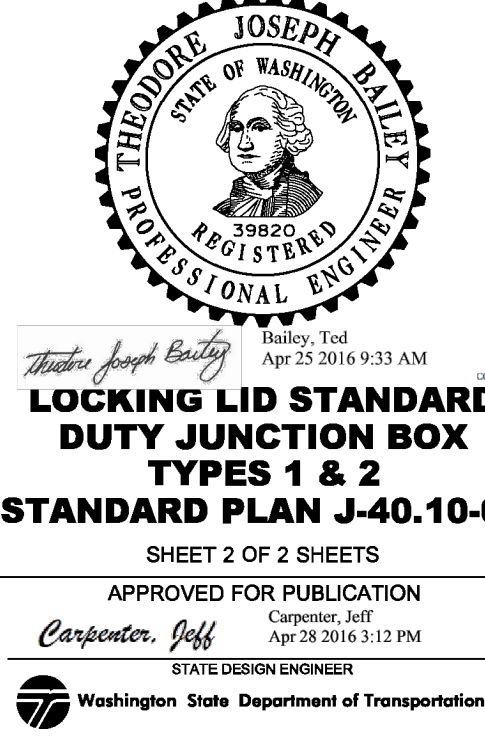
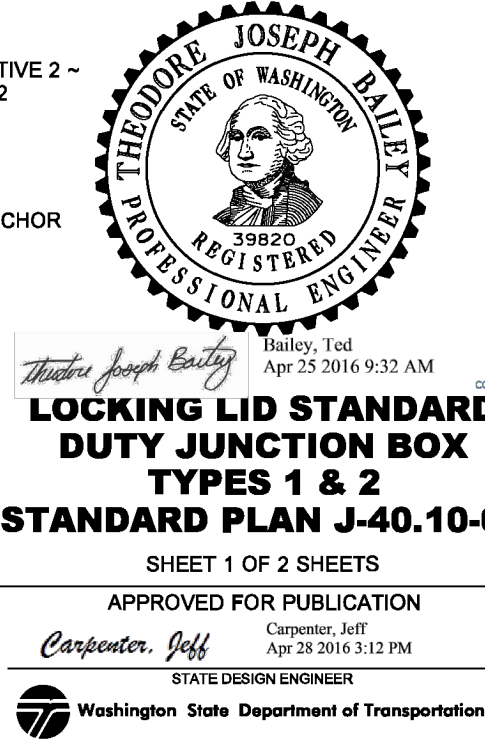


DATE:  
02-20-2025

SHEET TITLE:  
STREET LIGHTING  
- DETAILS

SHEET NO. 32 of 46  
**SL.11**

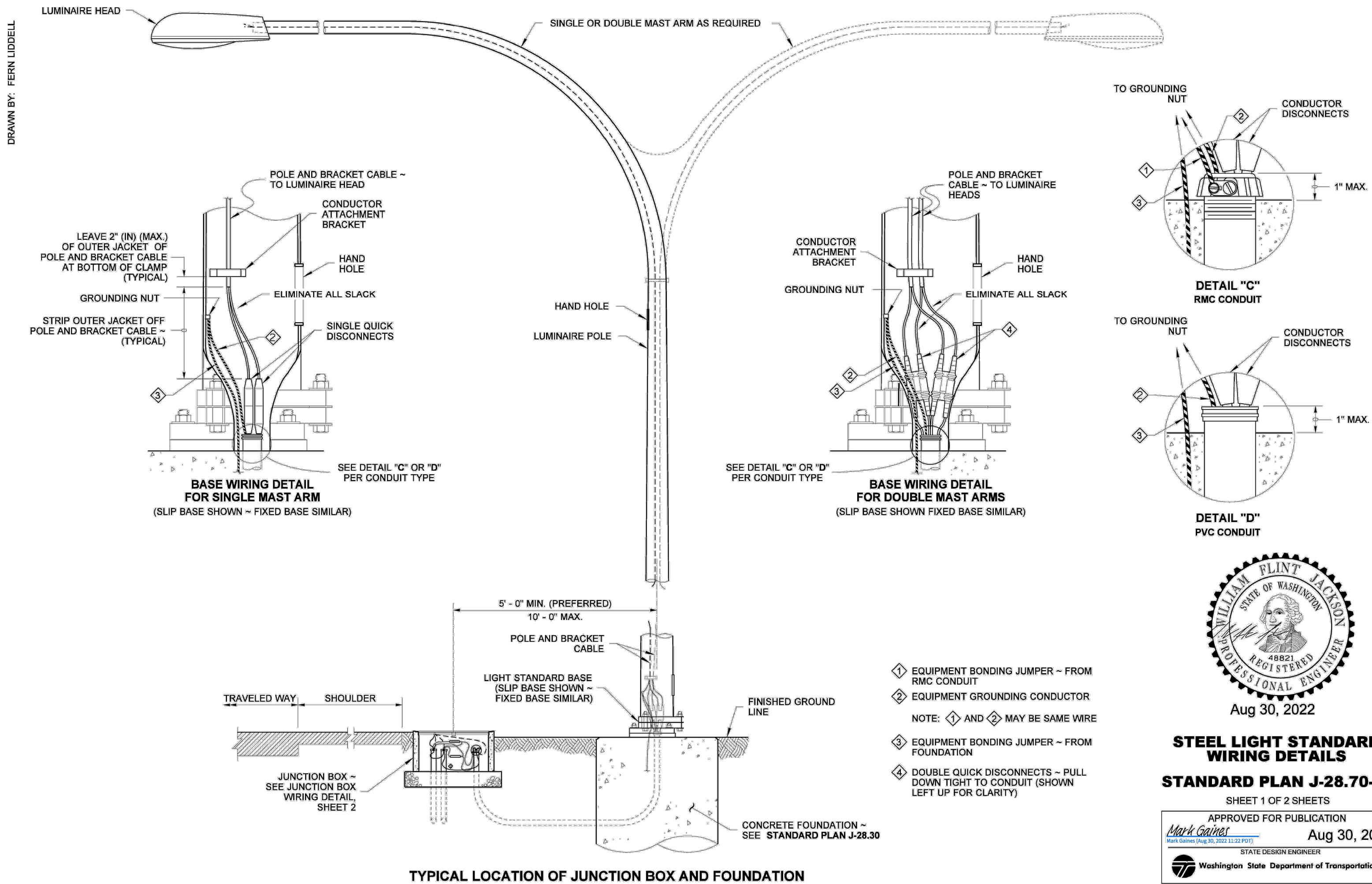




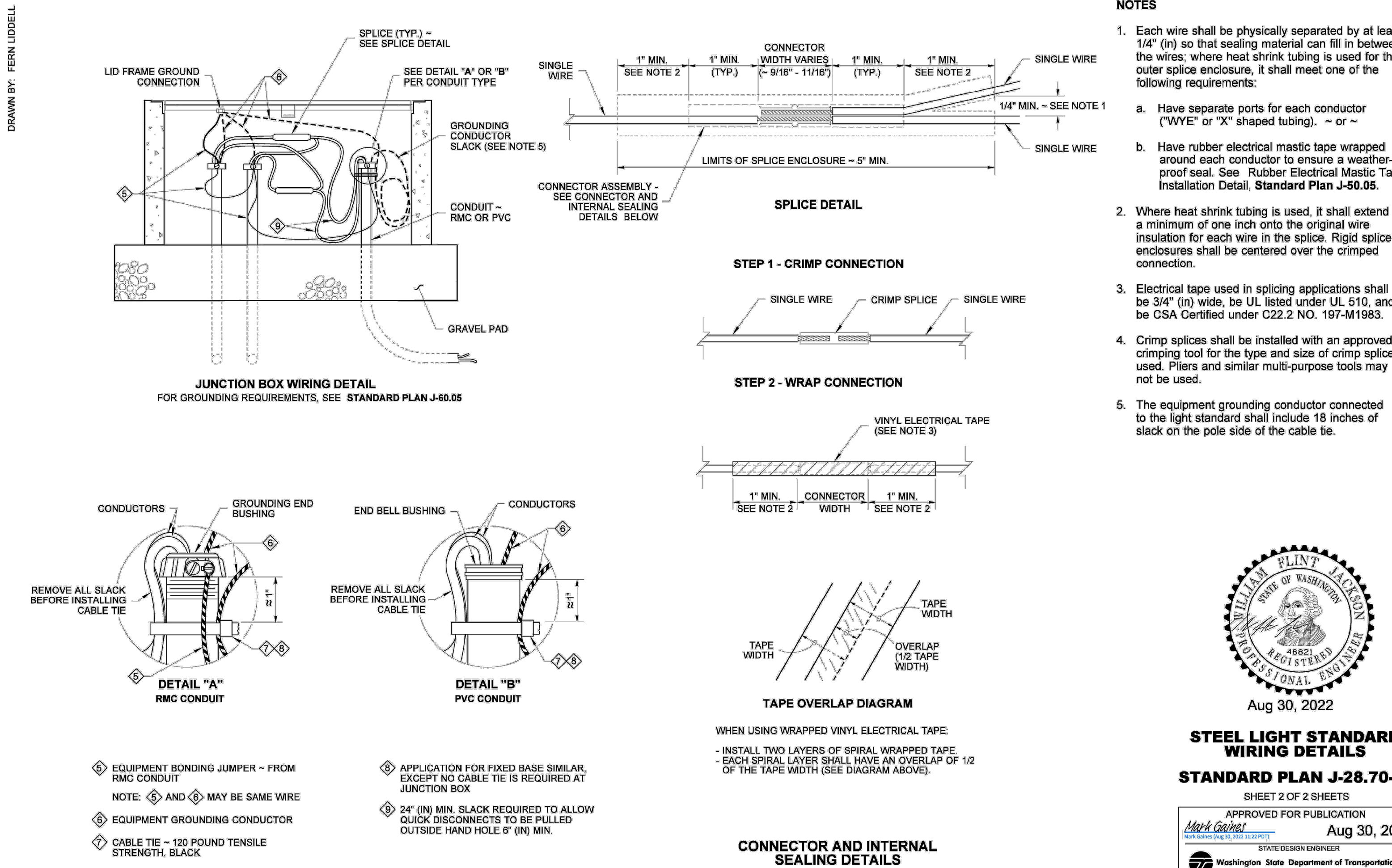
SHEET NO. 33 of 46



DRAWN BY: FERN LIDDELL



DRAWN BY: FERN LIDDELL



REVISIONS	DATE	DESCRIPTION
NO.	12/31/24	PERMIT SET
	02/20/25	STREET LIGHTING REVISIONS



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

PROJECT:	EAST TOWN CROSSING MULTIFAMILY DEVELOPMENT PIONEER WAY & SHAW RD. PUYALLUP, WA
DATE:	02-20-2025
SHEET TITLE:	STREET LIGHTING - DETAILS
SHEET NO.	34 of 46

19401 40TH AVE. N. SUITE 302  
LYNNWOOD, WA 98036  
PHONE: 206-834-3343



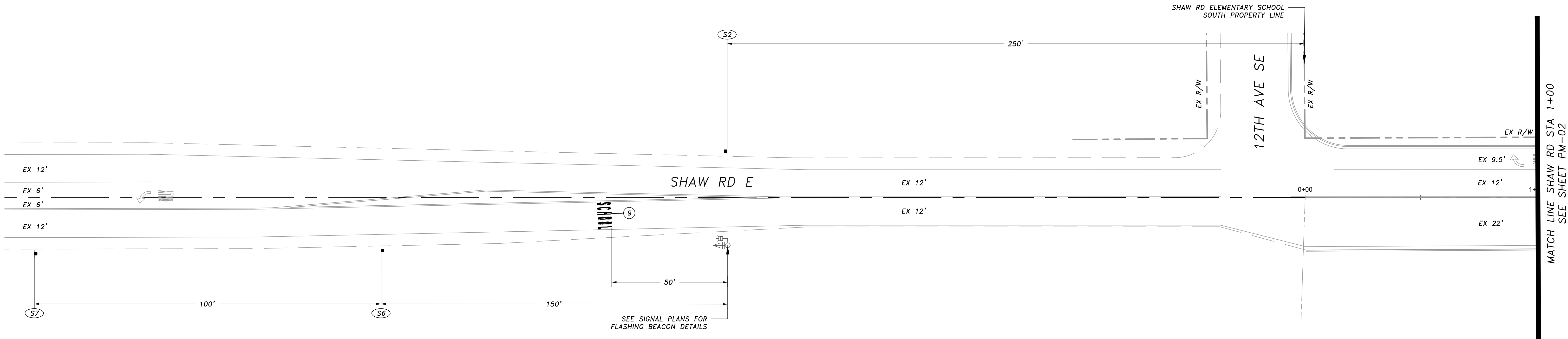
DATE:  
02-20-2025

SHEET TITLE:  
STREET LIGHTING  
- DETAILS

SHEET NO. 34 of 46

SL.13





PAVEMENT MARKING CONSTRUCTION NOTES

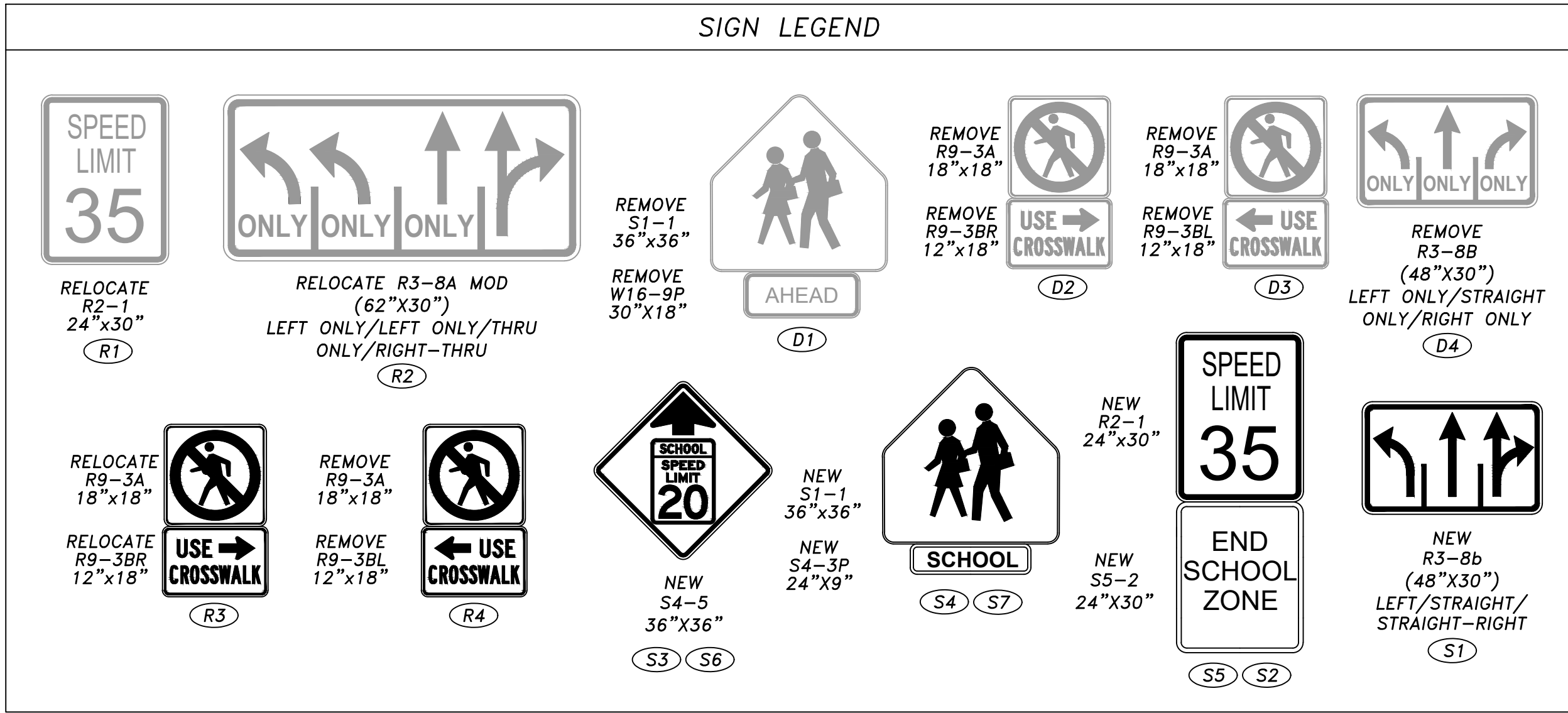
1. INSTALL 8" WHITE PAINTED GORE STRIPE WITH TYPE 2W RPM'S AT 10' O.C. PER CITY OF PUYALLUP STANDARD 01.03.06 AND 01.03.10, DETAIL A.
2. INSTALL WHITE THERMOPLASTIC CROSSWALK PER CITY OF PUYALLUP STANDARD 01.03.11.
3. INSTALL PAINTED DOUBLE YELLOW CENTERLINE (DYC) STRIPE WITH TYPE 2YY RPM'S 20' O.C. PER CITY OF PUYALLUP STANDARD 01.03.10, DETAIL B.
4. INSTALL WHITE THERMOPLASTIC TRAFFIC ARROW PER CITY OF PUYALLUP STANDARDS 01.03.06 AND 01.03.14 AND WSDOT STANDARD PLAN M-24.40. CENTER IN LANE AT THE STATION SHOWN.
5. INSTALL 24" WIDE WHITE THERMOPLASTIC STOP BAR PER CITY OF PUYALLUP STANDARD 01.03.06 AND 01.03.11.
6. INSTALL WHITE PAINTED SKIP STRIPE LANE LINE PER CITY OF PUYALLUP STANDARD 01.03.10.
7. REMOVE EXISTING STRIPING VIA HYDROBLASTING OR OTHER CITY APPROVED METHOD.
8. INSTALL WHITE THERMOPLASTIC "ONLY" TEXT PER CITY OF PUYALLUP STANDARD 0.03.15.
9. INSTALL WHITE THERMOPLASTIC "SCHOOL" TEXT PER WSDOT STANDARD PLAN M-80.10. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.

PAVEMENT MARKING REMOVAL NOTE

1. REMOVE EXISTING CONFLICTING STRIPING VIA HYDROBLASTING AS NECESSARY TO ACCOMMODATE NEW STRIPING. CONTRACTOR TO COORDINATE STRIPING REMOVAL WITH ASPHALT RESTORATION WORK.

PAVEMENT MARKING & SIGNING GENERAL NOTES

1. ALL PAVEMENT MARKINGS SHALL BE LAID OUT WITH SPRAY PAINT AND APPROVED BY CITY OF PUYALLUP (COP) TRAFFIC OPERATIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE COP TRAFFIC OPERATIONS APPROVAL THROUGH THE COP INSPECTOR.
2. ALL CROSSWALK MARKINGS SHALL BE CENTERED WITHIN THE ADJACENT ADA RAMPS UNLESS OTHERWISE DIRECTED BY THE COP INSPECTOR.
3. COORDINATE WITH CITY STRIPING TECHNICIAN, JASON ROGGE, (253.841.5471) PRIOR TO INSTALLATION.
4. CONTRACTOR SHALL COORDINATE WITH CITY SIGN SPECIALIST, JASON ROGGE, (253.841.5471) PRIOR TO SIGN INSTALLATIONS.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL SIGNS AND CHANNELIZATION PER CITY OF PUYALLUP STANDARDS. CONTRACTOR SHALL LAYOUT OUT ALL SIGNS AND CHANNELIZATION, AND THEN CONTACT PUYALLUP, AT 253.405.4389, 48-HOURS IN ADVANCE OF INSTALLATION TO VERIFY LAYOUT.
6. INSTALL ALL SIGNS IN CONCRETE/ASPHALT PER CITY OF PUYALLUP STANDARD 01.04.01.
7. CONTRACTOR SHALL PRUNE ALL VEGETATION IN CONFLICT WITH SIGNS TO ENSURE UNOBSTRUCTED VISIBILITY TO DRIVERS AND PEDESTRIANS.
8. UNLESS OTHERWISE NOTED, INSTALL ALL SIGNS, PER CITY OF PUYALLUP STANDARD DETAIL 01.04.01, AT 7" ABOVE FINISHED GRADE, AS MEASURED TO THE BOTTOM OF SIGN. ON THE SAME POST, THE LOWEST SIGN SHALL BE 7" ABOVE FINISHED GRADE, AS MEASURED TO THE BOTTOM OF THE SIGN.
9. CONTRACTOR SHALL CONFIRM LOCATIONS OF ALL SIGNS IN FIELD WITH CITY TRAFFIC ENGINEER AND CITY INSPECTOR PRIOR TO INSTALLATION.



RELOCATED SIGNING CONSTRUCTION NOTES

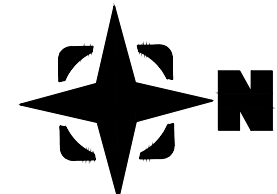
- (R1) RELOCATED EXISTING S1-1 SIGN TO NEW POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB.
- (R2) RELOCATE EXISTING R3-8 MOD SIGN TO NEW POST. BOTTOM OF SIGN SHALL BE MOUNTED AT LEAST 7' ABOVE GRADE. EDGE OF SIGN SHALL BE 1' FROM FACE OF CURB.
- (R3) RELOCATE EXISTING R9-3A AND R9-3BR SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.
- (R4) RELOCATE EXISTING R9-3A AND R9-3BL SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.

DEMOLITION SIGNING CONSTRUCTION NOTES

- (D1) REMOVE EXISTING S1-1 AND W16-9P SIGNS AND POST AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D2) REMOVE EXISTING R9-3A SIGN AND R9-3BR SIGN AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D3) REMOVE EXISTING R9-3A SIGN AND R9-3BL SIGN AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D4) EXISTING POST TO REMAIN. REMOVE EXISTING R3-8B SIGN. SALVAGE SIGN TO THE CITY OF PUYALLUP.

NEW SIGNING CONSTRUCTION NOTES

- (S1) INSTALL NEW R3-8B SIGN ON EXISTING POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION IN FIELD WITH CITY.
- (S2) INSTALL NEW S5-2 SIGN BELOW R2-1 SIGN ON NEW POST IN LINE WITH NORTHBOUND FLASHING BEACON S11. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S3) INSTALL NEW S4-5 SIGN AND POST. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S4) INSTALL NEW S4-3P SIGN BELOW S1-1 SIGN ON NEW POST. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S5) INSTALL NEW S5-2 SIGN BELOW R2-1 SIGN ON NEW POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S6) INSTALL NEW S4-5 SIGN AND POST 150' SOUTH OF S5-1 SCHOOL SPEED LIMIT WHEN FLASHING SIGN AND FLASHING BEACON. SEE SIGNAL PLANS FOR DETAILS. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S7) INSTALL NEW S4-3P SIGN BELOW S1-1 SIGN ON NEW POST 150' SOUTH OF SIGN S6. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.



SEE SHEET PM-04 TO PM-05 FOR:  
STANDARD PLAN DETAILS

LEGEND

- PAVEMENT MARKING NOTE
- SIGNING NOTE
- SIGN (NEW/RELOCATED)
- SIGN (EXISTING)

APPROVED

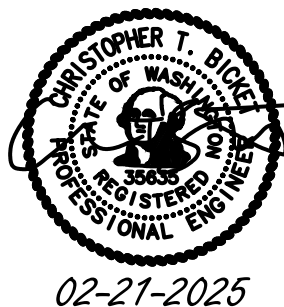
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE \_\_\_\_\_

NOTE: THIS APPROVAL IS VOID  
AFTER 1 YEAR 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  
ENGINEERING SERVICES MANAGER.

No.	Date	By	Revision Description

Designed By:	Issue Date:
VNF	02/21/2025
Drawn By:	PERMIT
VNF	
Checked By:	Project No:
TTT	2022-295



ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

PAVEMENT MARKING &  
SIGNING PLANS

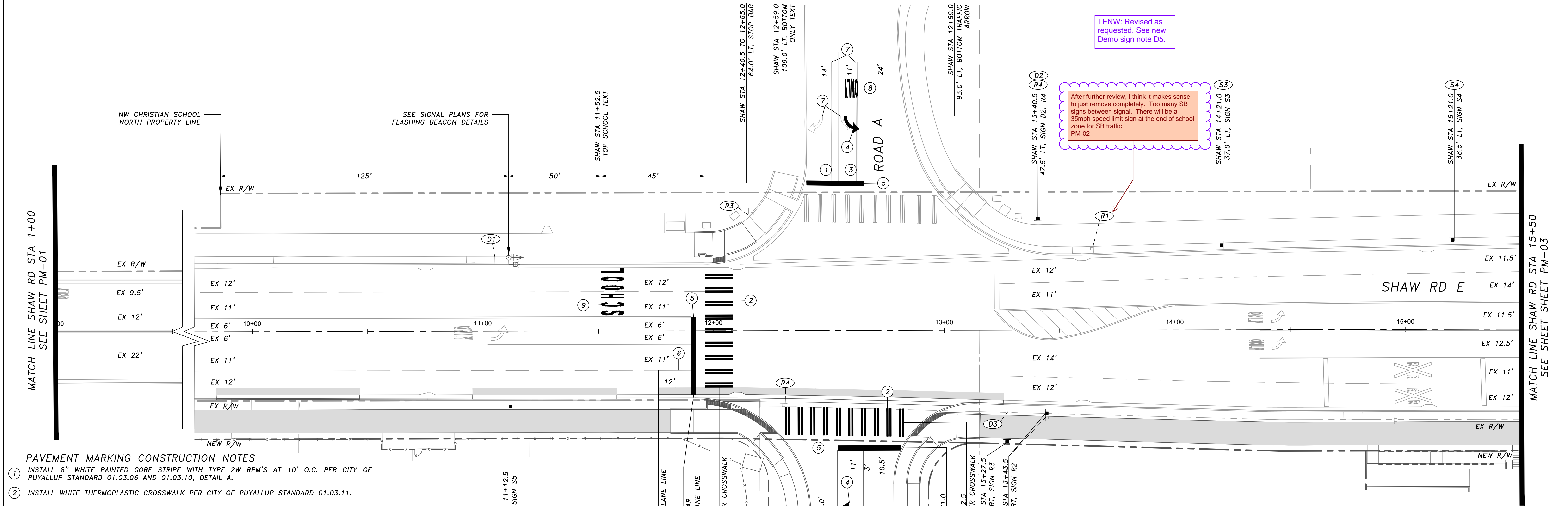
PM-01

SHEET:

35 OF 46



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



PAVEMENT MARKING CONSTRUCTION NOTES

1. INSTALL 8" WHITE PAINTED GORE STRIPE WITH TYPE 2W RPM'S AT 10' O.C. PER CITY OF PUYALLUP STANDARD 01.03.06 AND 01.03.10, DETAIL A.
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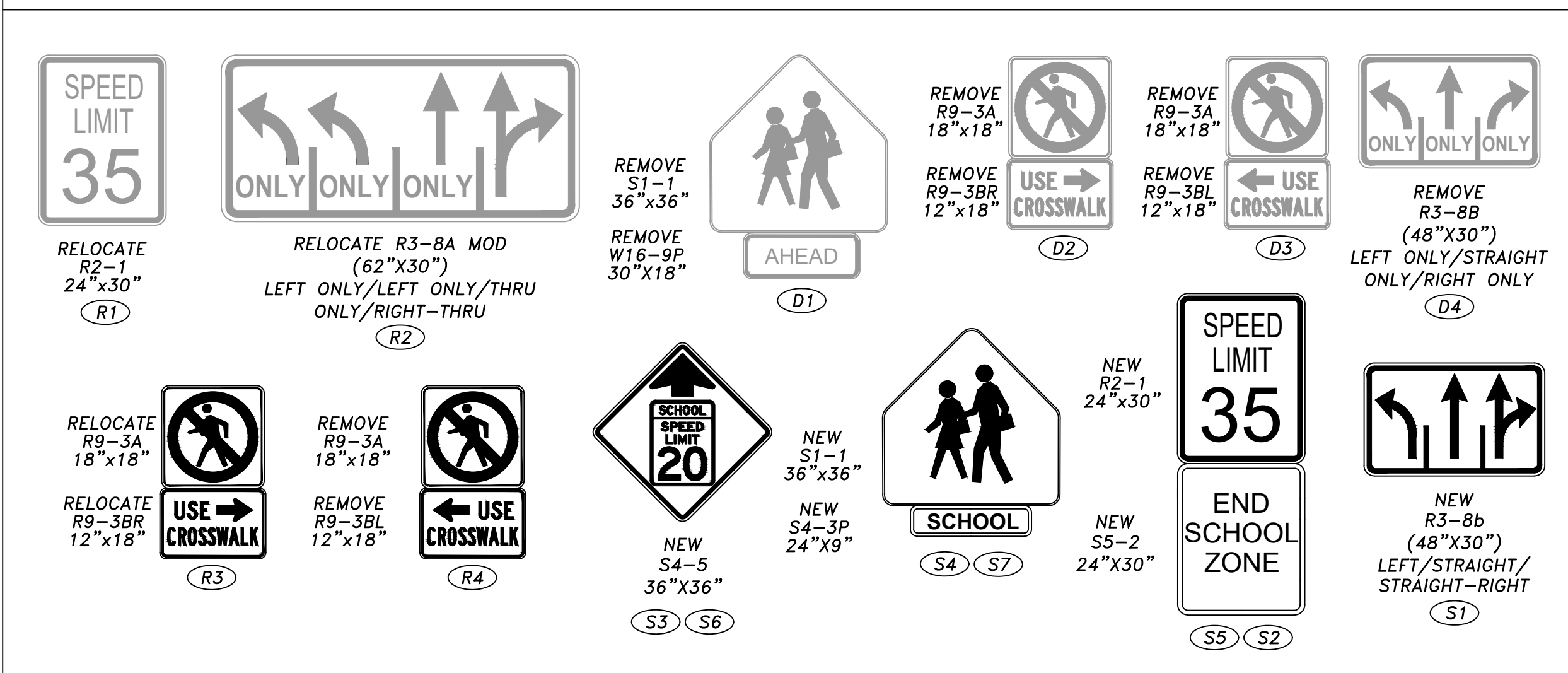
PAVEMENT MARKING REMOVAL NOTE

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PAVEMENT MARKING & SIGNING GENERAL NOTES

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6. INSTALL ALL SIGNS IN CONCRETE/ASPHALT PER CITY OF PUYALLUP STANDARD 01.04.01.
7. CONTRACTOR SHALL PRUNE ALL VEGETATION IN CONFLICT WITH SIGNS TO ENSURE UNOBSTRUCTED VISIBILITY TO DRIVERS AND PEDESTRIANS.
8. UNLESS OTHERWISE NOTED, INSTALL ALL SIGNS, PER CITY OF PUYALLUP STANDARD DETAIL 01.04.01, AT 7' ABOVE FINISHED GRADE, AS MEASURED TO THE BOTTOM OF SIGN. ON THE SAME POST, THE LOWEST SIGN SHALL BE 7' ABOVE FINISHED GRADE, AS MEASURED TO THE BOTTOM OF THE SIGN.
9. CONTRACTOR SHALL CONFIRM LOCATIONS OF ALL SIGNS IN FIELD WITH CITY TRAFFIC ENGINEER AND CITY INSPECTOR PRIOR TO INSTALLATION.

SIGN LEGEND



RELOCATED SIGNING CONSTRUCTION NOTES

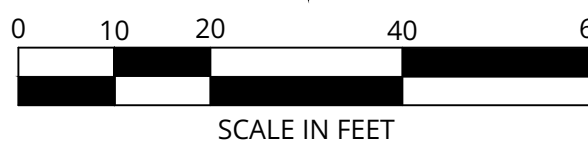
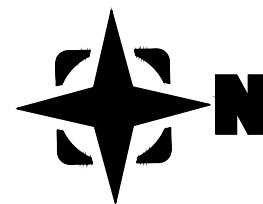
1. RELOCATE EXISTING S1-1 SIGN TO NEW POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB.
2. RELOCATE EXISTING R3-8 MOD SIGN TO NEW POST. BOTTOM OF SIGN SHALL BE MOUNTED AT LEAST 7' ABOVE GRADE. EDGE OF SIGN SHALL BE 1' FROM FACE OF CURB.
3. RELOCATE EXISTING R9-3A AND R9-3BR SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.
4. RELOCATE EXISTING R9-3A AND R9-3BL SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.

DEMOLITION SIGNING CONSTRUCTION NOTES

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7. INSTALL NEW S4-3P SIGN BELOW S1-1 SIGN ON NEW POST 150' SOUTH OF SIGN S6. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.



SEE SHEET PM-04 TO PM-05 FOR:  
STANDARD PLAN DETAILS

LEGEND

- PAVEMENT MARKING NOTE
- SIGNING NOTE
- SIGN (NEW/RELOCATED)
- SIGN (EXISTING)

APPROVED

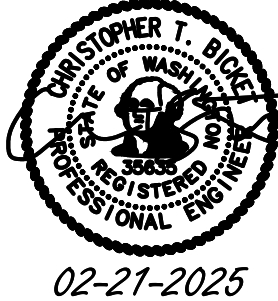
BY: CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE:

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No.	Date	By	Revision Description

Designed By:	Issue Date:
VNF	02/21/2025
Drawn By:	PERMIT
VNF	
Checked By:	Project No.:
TTT	2022-295



ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

PAVEMENT MARKING &  
SIGNING PLANS - PHASE 1

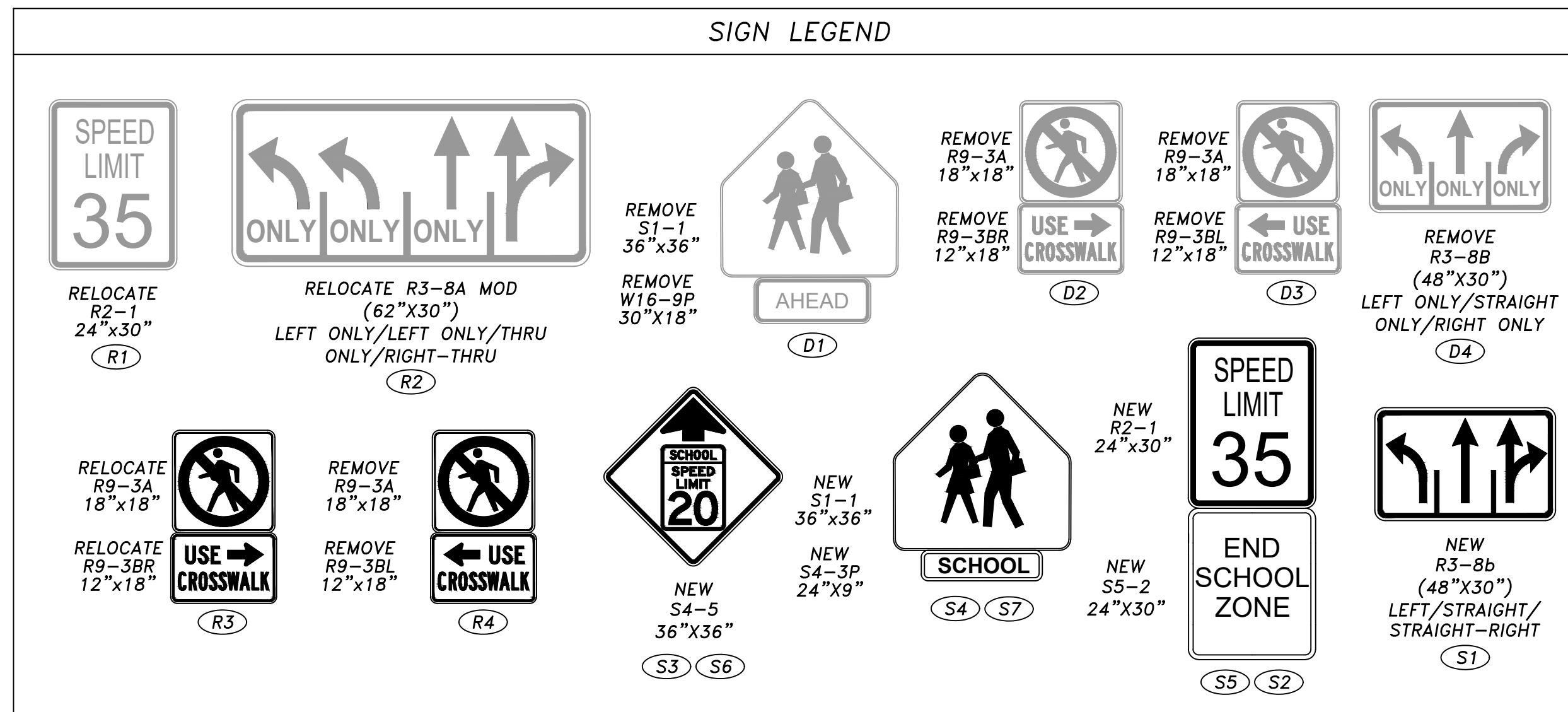
PM-02

SHEET:

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



RELOCATED SIGNING CONSTRUCTION NOTES

- (R1) RELOCATE EXISTING R1-1 SIGN TO NEW POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB.
- (R2) RELOCATE EXISTING R3-8 MOD SIGN TO NEW POST. BOTTOM OF SIGN SHALL BE MOUNTED AT LEAST 7' ABOVE GRADE. EDGE OF SIGN SHALL BE 1' FROM FACE OF CURB.
- (R3) RELOCATE EXISTING R9-3A AND R9-3BR SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.
- (R4) RELOCATE EXISTING R9-3A AND R9-3BL SIGN TO NEW POST. RESTORE AREA TO MATCH SURROUNDING.

DEMOLITION SIGNING CONSTRUCTION NOTES

- (D1) REMOVE EXISTING S1-1 AND W16-9P SIGNS AND POST AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D2) REMOVE EXISTING R9-3A SIGN AND R9-3BR SIGN AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D3) REMOVE EXISTING R9-3A SIGN AND R9-3BL SIGN AND RETURN TO CITY. RESTORE AREA TO MATCH SURROUNDING.
- (D4) EXISTING POST TO REMAIN. REMOVE EXISTING R3-8B SIGN. SALVAGE SIGN TO THE CITY OF PUYALLUP.

NEW SIGNING CONSTRUCTION NOTES

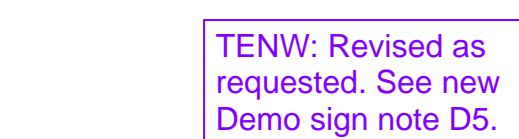
- (S1) INSTALL NEW R3-8B SIGN ON EXISTING POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION IN FIELD WITH CITY.
- (S2) INSTALL NEW S5-2 SIGN BELOW R2-1 SIGN ON NEW POST IN LINE WITH NORTHBOUND FLASHING BEACON S11. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S3) INSTALL NEW S4-5 SIGN AND POST. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S4) INSTALL NEW S4-3P SIGN BELOW S1-1 SIGN ON NEW POST. EDGE OF SIGN SHALL BE 2' FROM FACE OF CURB. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S5) INSTALL NEW S5-2 SIGN BELOW R2-1 SIGN ON NEW POST. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S6) INSTALL NEW S4-5 SIGN AND POST 150' SOUTH OF S5-1 SCHOOL SPEED LIMIT WHEN FLASHING SIGN AND FLASHING BEACON. SEE SIGNAL PLANS FOR DETAILS. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.
- (S7) INSTALL NEW S4-3P SIGN BELOW S1-1 SIGN ON NEW POST 150' SOUTH OF SIGN S6. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.

## PAVEMENT MARKING CONSTRUCTION NOTES

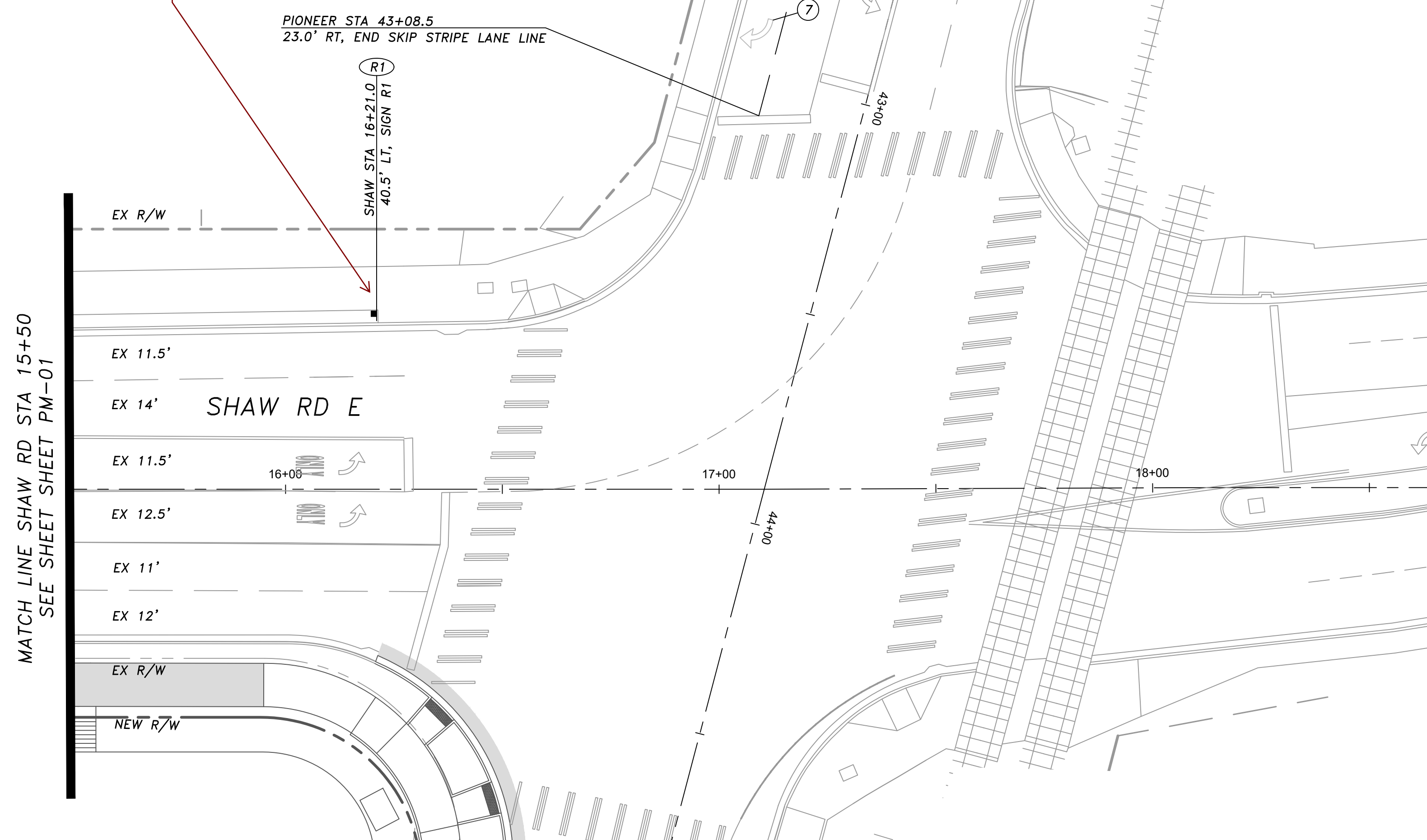
- ① INSTALL 8" WHITE PAINTED GORE STRIPE WITH TYPE 2W RPM'S AT 10' O.C. PER CITY OF PUYALLUP STANDARD 01.03.06 AND 01.03.10, DETAIL A.
- ② INSTALL WHITE THERMOPLASTIC CROSSWALK PER CITY OF PUYALLUP STANDARD 01.03.11.
- ③ INSTALL PAINTED DOUBLE YELLOW CENTERLINE (DYC) STRIPE WITH TYPE 2YY RPM'S 20' O.C. PER CITY OF PUYALLUP STANDARD 01.03.10, DETAIL B.
- ④ INSTALL WHITE THERMOPLASTIC TRAFFIC ARROW PER CITY OF PUYALLUP STANDARDS 01.03.06 AND 01.03.14 AND WSDOT STANDARD PLAN M-24.40. CENTER IN LANE AT THE STATION SHOWN.
- ⑤ INSTALL 24" WIDE WHITE THERMOPLASTIC STOP BAR PER CITY OF PUYALLUP STANDARD 01.03.06 AND 01.03.11.
- ⑥ INSTALL WHITE PAINTED SKIP STRIPE LANE LINE PER CITY OF PUYALLUP STANDARD 01.03.10.
- ⑦ REMOVE EXISTING STRIPING VIA HYDROBLASTING OR OTHER CITY APPROVED METHOD.
- ⑧ INSTALL WHITE THERMOPLASTIC "ONLY" TEXT PER CITY OF PUYALLUP STANDARD 0.03.15.
- ⑨ INSTALL WHITE THERMOPLASTIC "SCHOOL" TEXT PER WSDOT STANDARD PLAN M-80.10. CONTRACTOR SHALL CONFIRM FINAL LOCATION WITH CITY IN FIELD.

PAVEMENT MARKING REMOVAL NOTE

1. REMOVE EXISTING CONFLICTING STRIPING VIA HYDROBLASTING AS NECESSARY TO ACCOMMODATE NEW STRIPING. CONTRACTOR TO COORDINATE STRIPING REMOVAL WITH ASPHALT RESTORATION WORK.



After further review, I think it makes sense to just remove completely. Too many SB signs between signal. There will be a 35mph speed limit sign at the end of school zone for SB traffic.

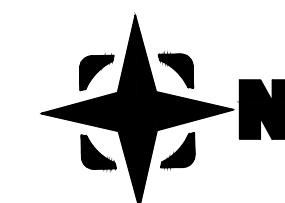


Remove R3-7 Sign  
R3.2

TENW: Added as requested. See new Demo sign note D6.





Same scope of work shown in R5.0 RM.02

TENW: Pavement marking scope of work removed from PM-03.



SEE SHEET PM-04 TO PM-05 FOR:  
• STANDARD PLAN DETAILS

### LEGEND

- |   |                       |
|---|-----------------------|
|  | PAVEMENT MARKING NOTE |
|  | SIGNING NOTE          |
|  | SIGN (NEW/RELOCATED)  |
|  | SIGN (EXISTING)       |

APPROVED

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE \_\_\_\_\_

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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

PAVEMENT MARKING &  
SIGNING PLANS

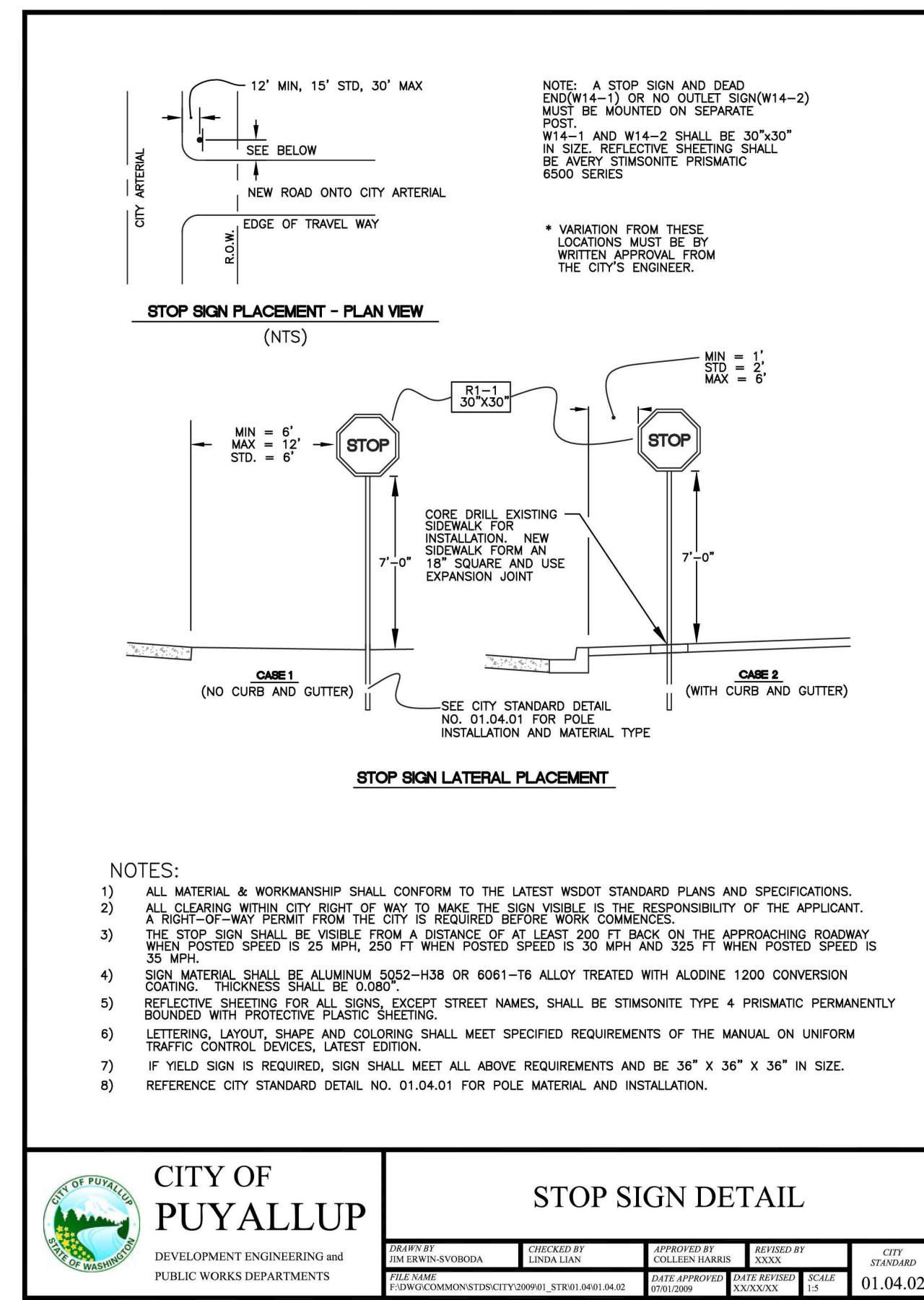
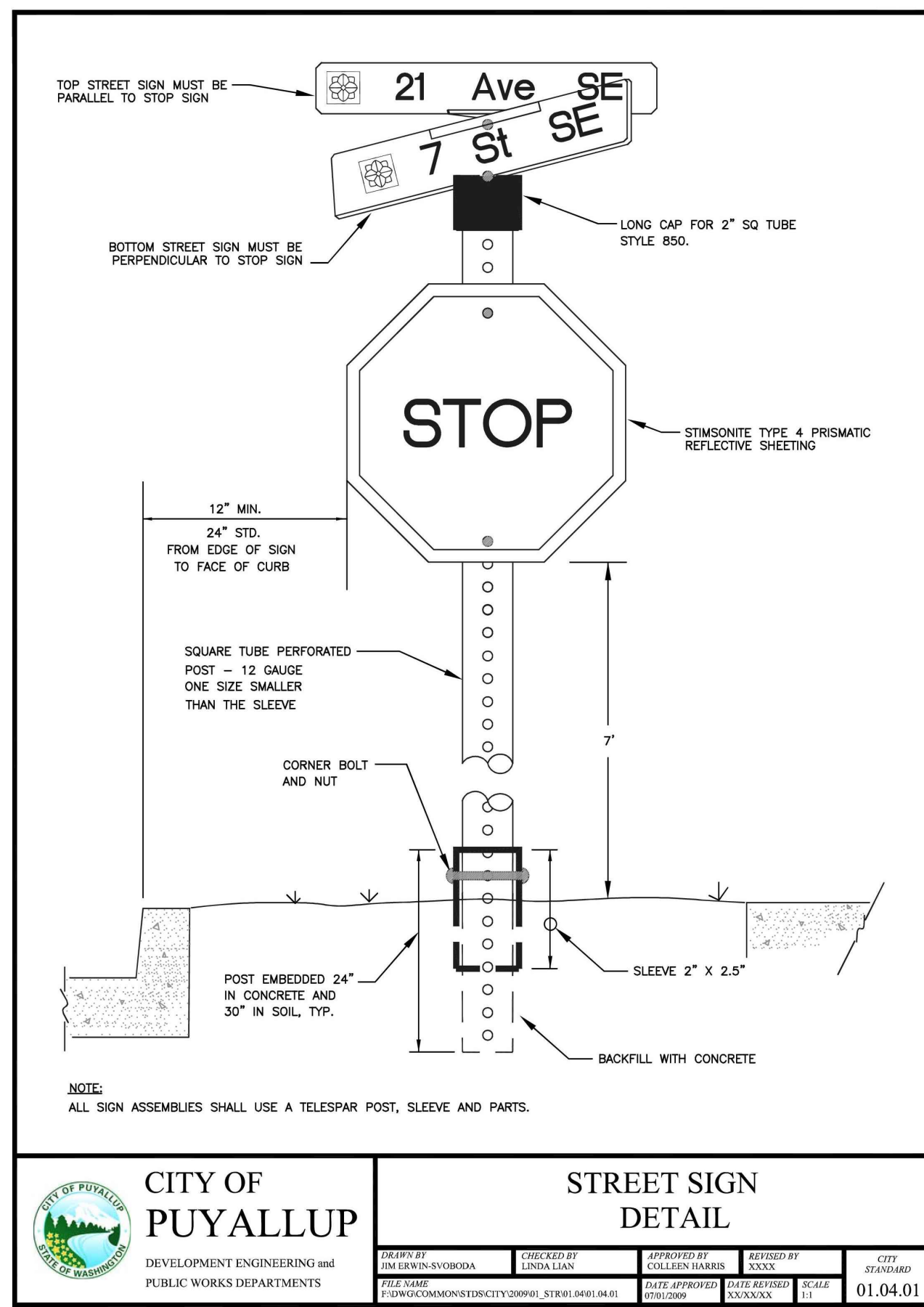
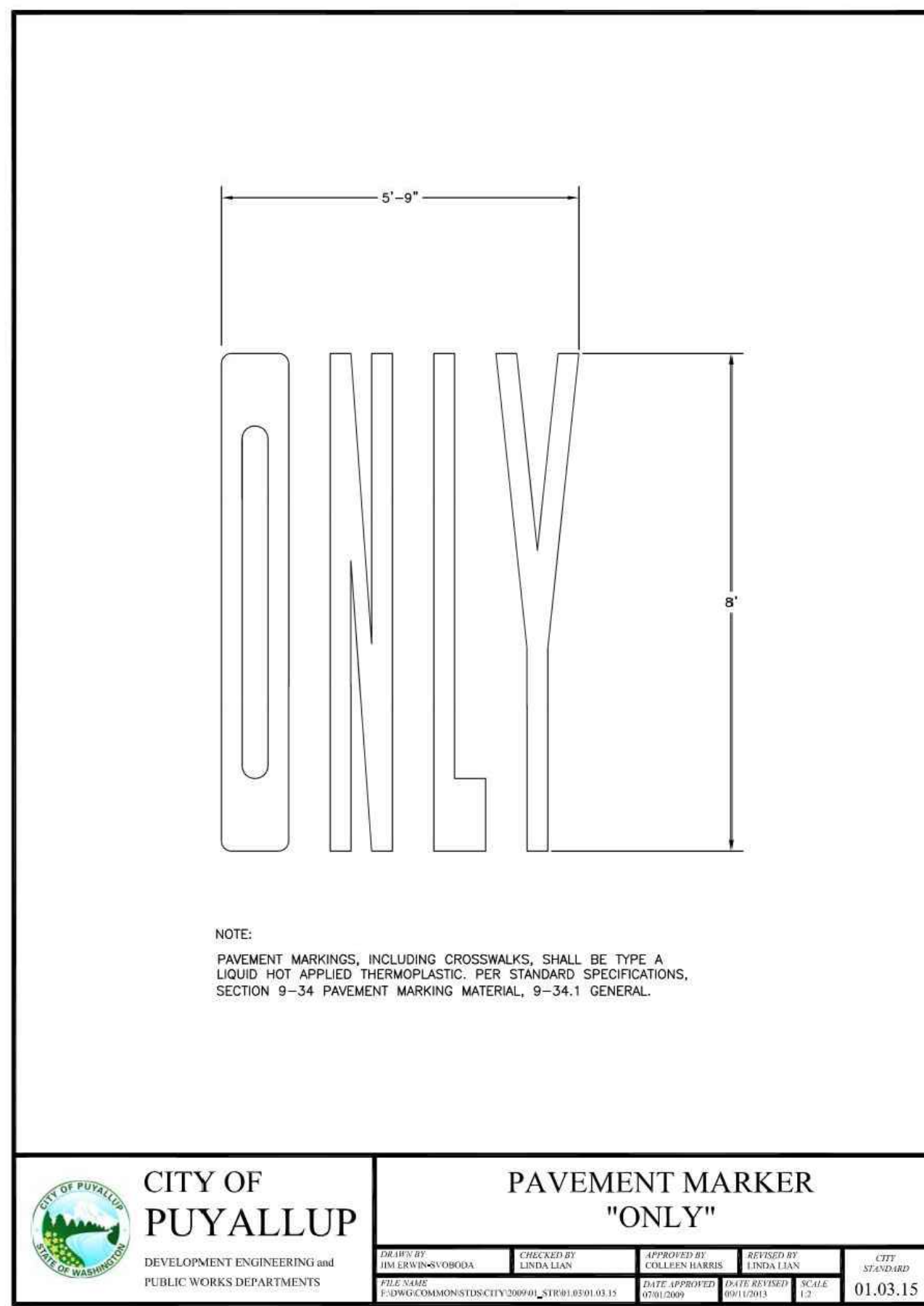
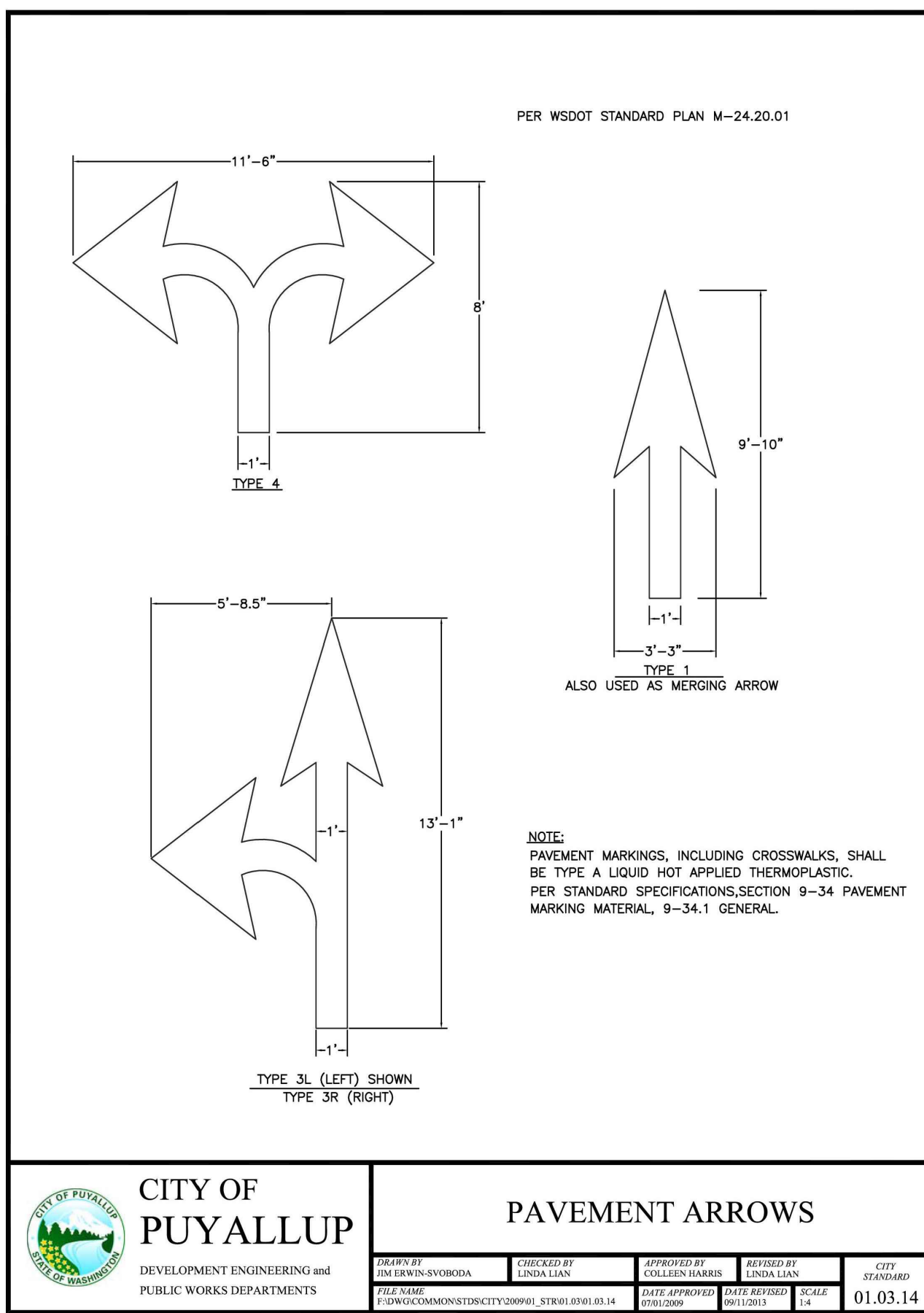
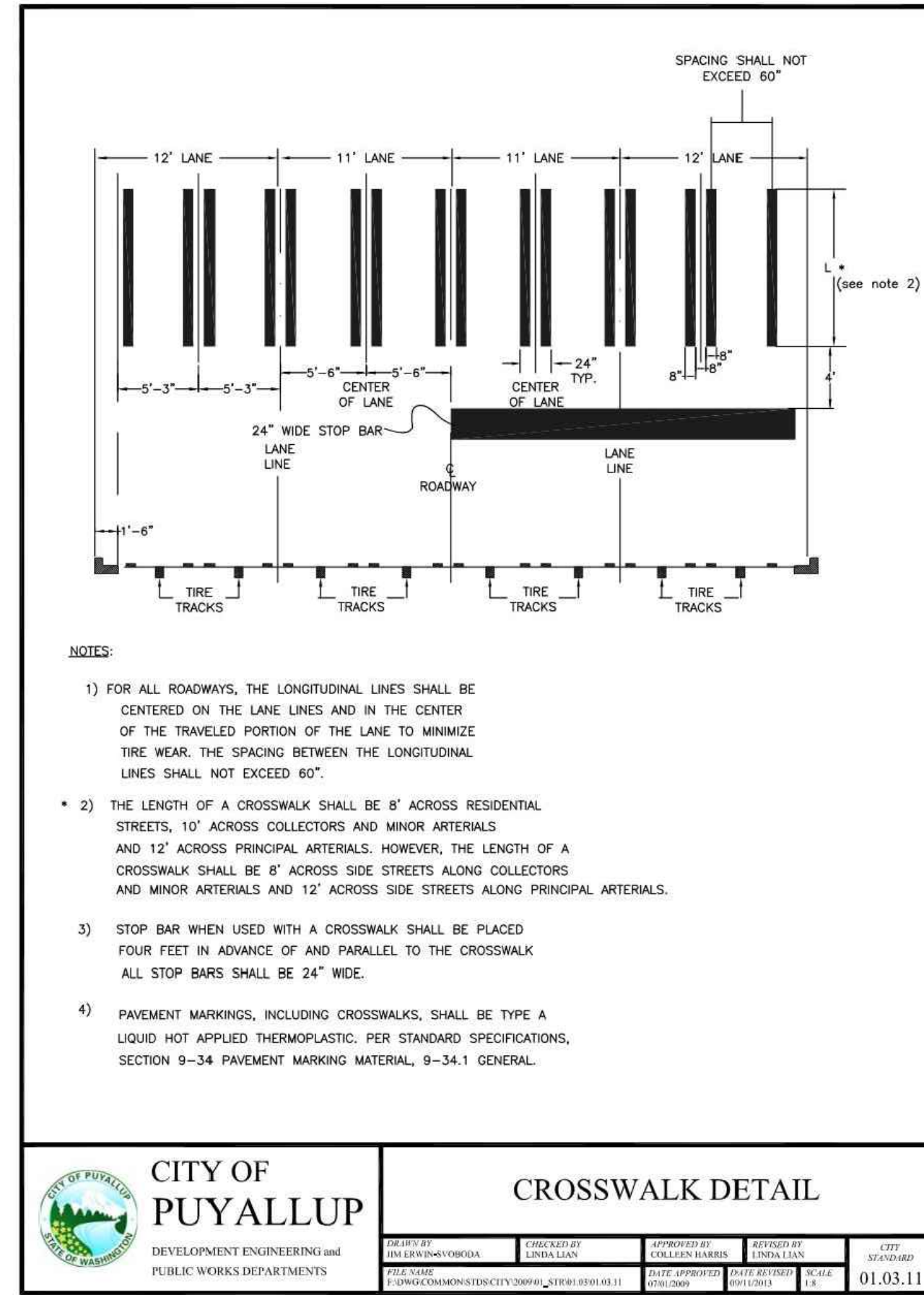
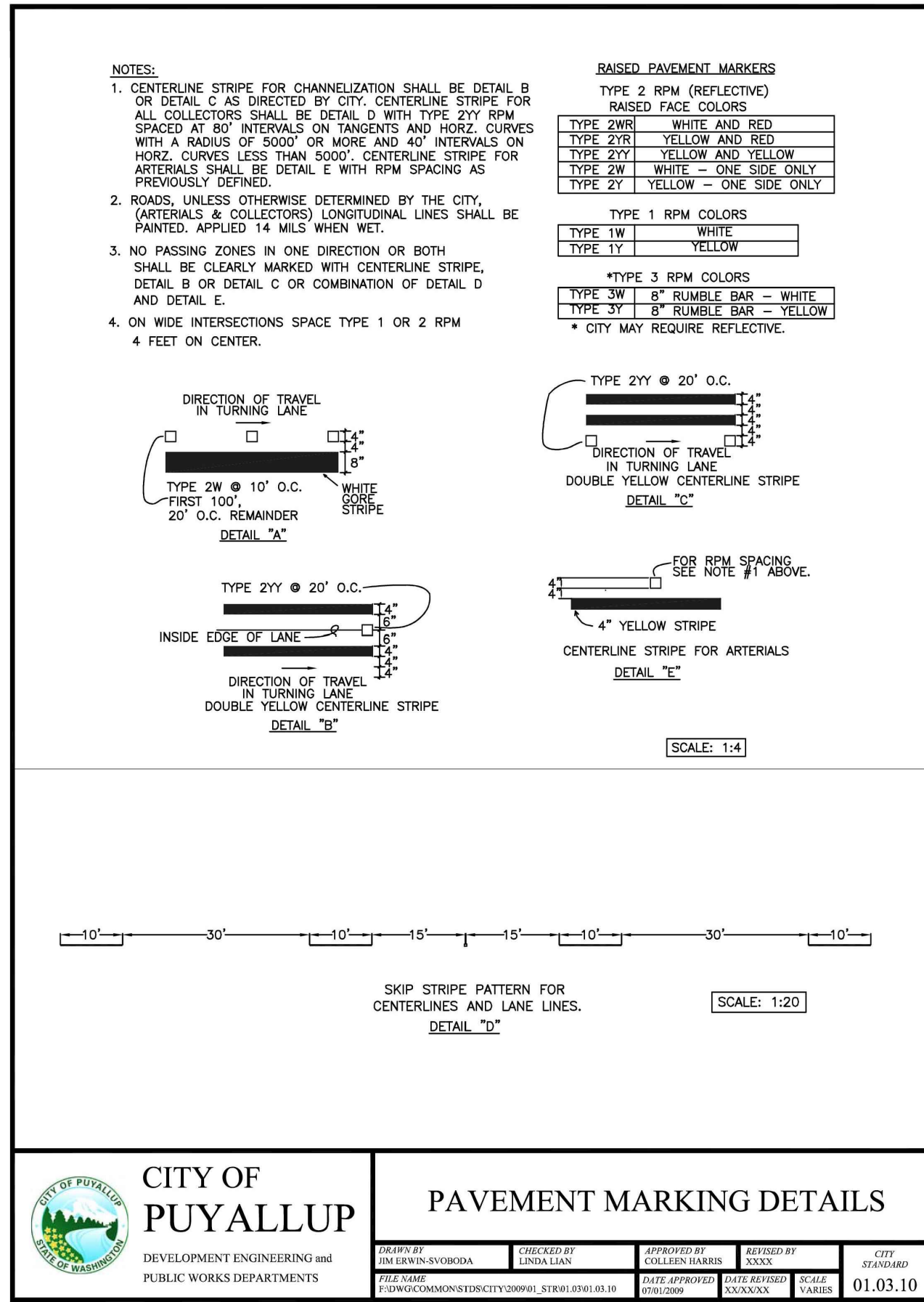
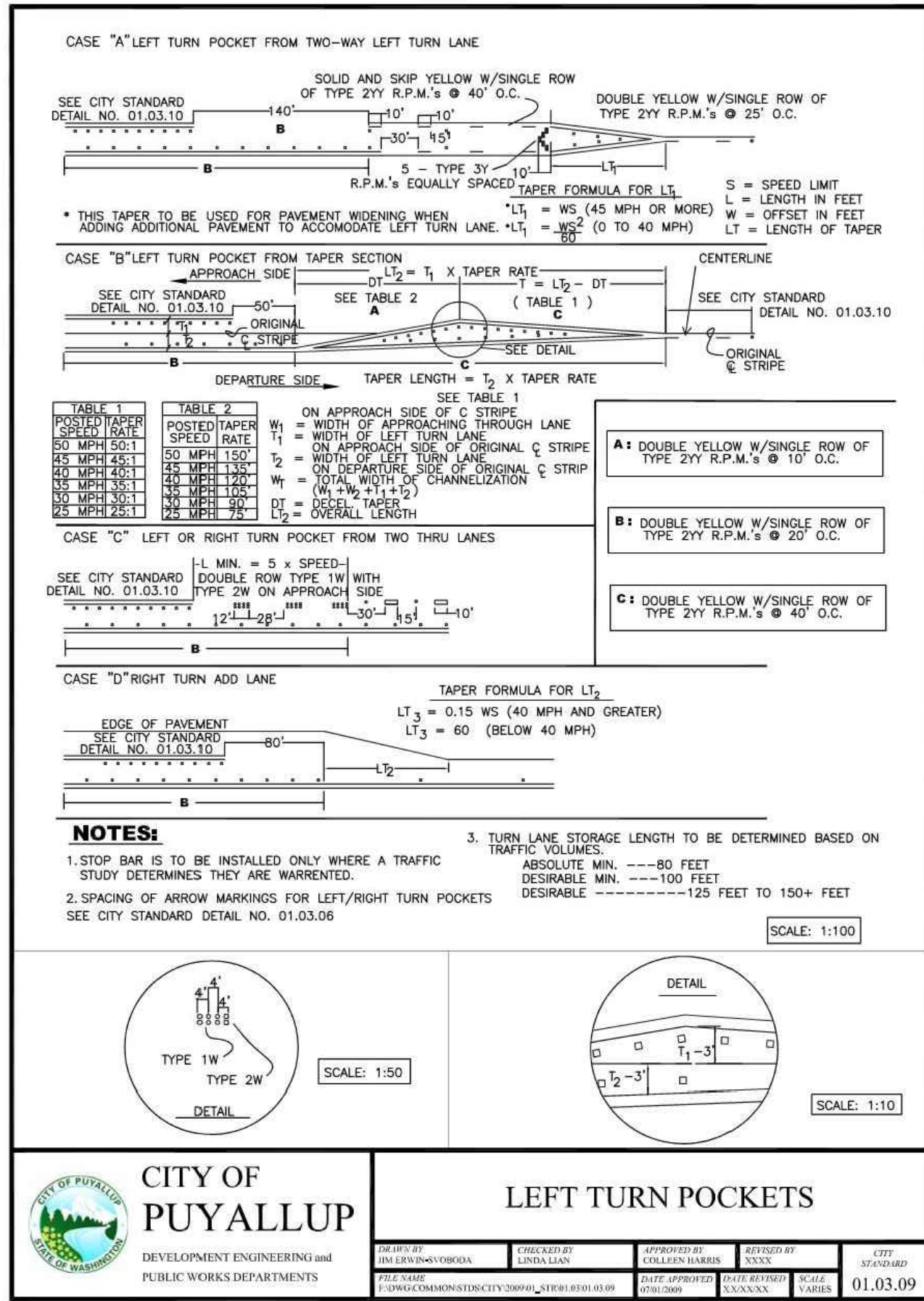
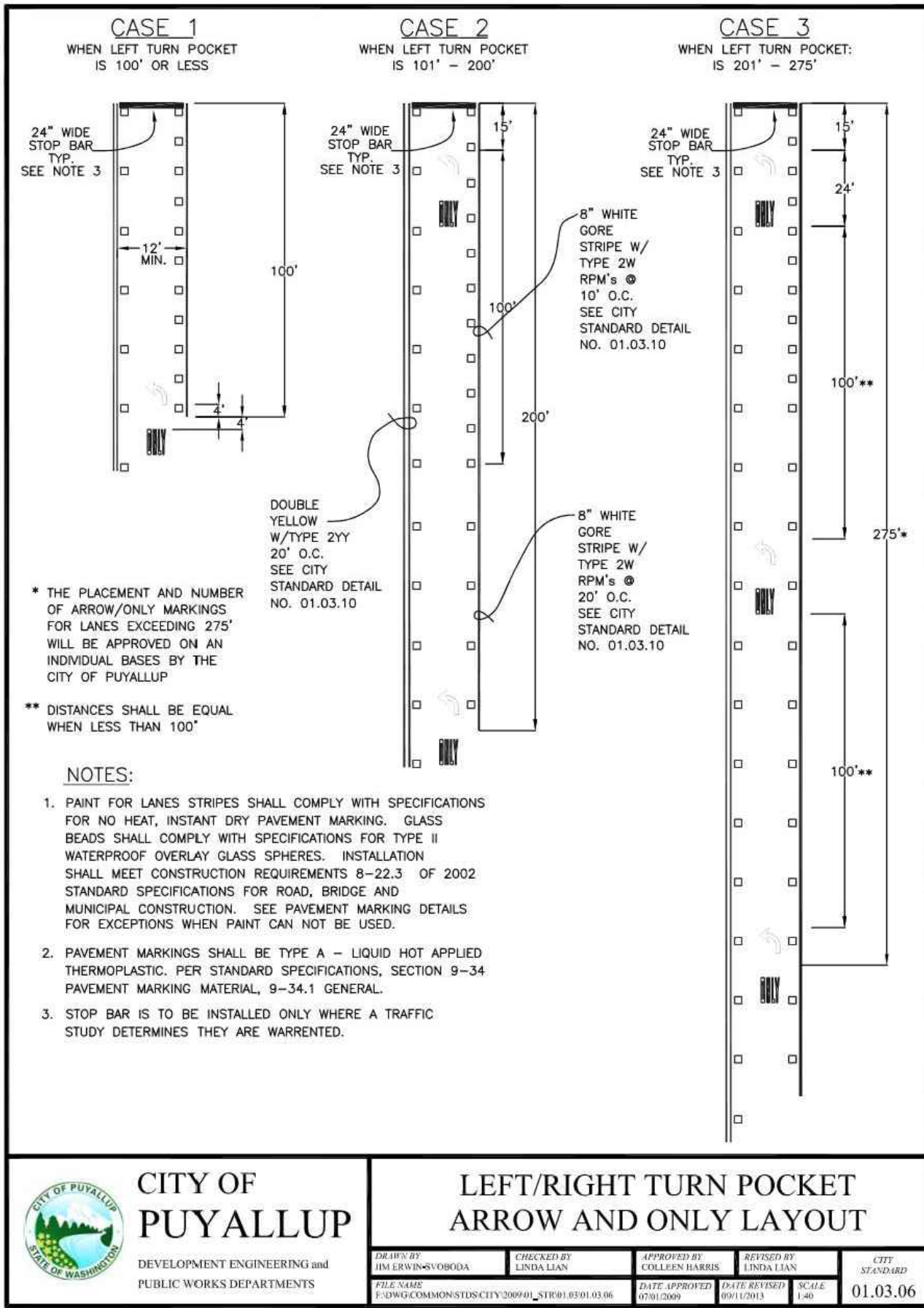
PM-03

SHEET:

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



APPROVED

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

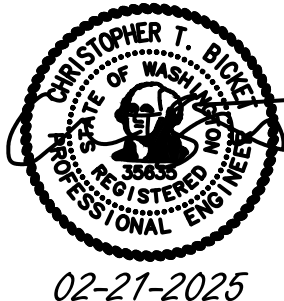
DATE \_\_\_\_\_

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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

PAVEMENT MARKING & SIGNING  
PLANS  
STANDARD DETAILS – PHASE 1

PM-04

SHEET:

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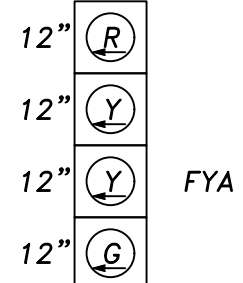






## SECTION 26, TOWNSHIP 20 N. RANGE 4 E. W.M.

## SIGNAL DISPLAYS



## VEHICLE HEADS

EX:51/21 NEW:31/81  
:71/41

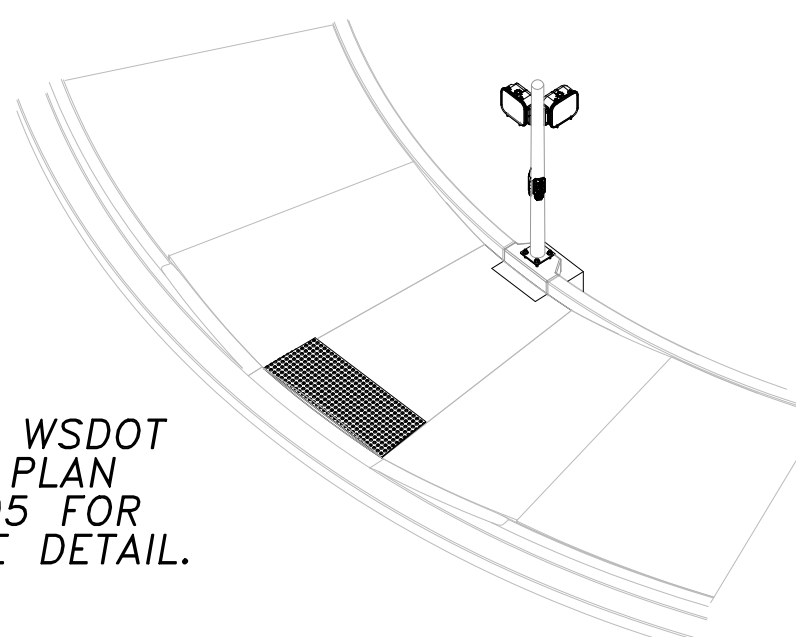


EX:68,69      NEW:28,29  
:48,49

1. ALL STANDARD VEHICLE SIGNAL HEADS SHALL BE CONVENTIONAL ALUMINUM TYPE WITH 12-INCH LENS FOR ALL INDICATIONS AND SQUARE DOORS WITH TUNNEL VISORS. EACH SIGNAL HEAD SHALL HAVE A 0.25-INCH HOLE DRILLED INTO THE BOTTOM. BALLS AND ARROWS SHALL BE ILLUMINATED WITH DIALIGHT ITE SPECIFICATION LED LIGHTS FOR ALL INDICATIONS.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN, AND ITE SPECIFICATION LEOTEK TSL-PED-16-SPC-V1 LED LIGHT UNITS WITH BLACK Z GRATE VISORS. HAND SYMBOL SHALL BE PORTLAND ORANGE AND MAN SYMBOL SHALL BE LUNAR WHITE.
3. PEDESTRIAN HEADS, VEHICLE HEADS AND BACK-PLATES SHALL BE ALUMINUM AND FLAT BLACK IN COLOR. PROVIDE A 2-INCH WIDE STRIP OF YELLOW RETRO-REFLECTIVE TAPE, TYPE IV PRISMATIC COLORING, CONFORMING TO THE REQUIREMENTS OF WSOT SPECIFICATION SECTION 9-29.12, AROUND THE PERIMETER OF EACH BACK-PLATE. PEDESTRIAN HEADS, VEHICLE HEADS AND BACK-PLATES SHALL MATCH EXISTING HEADS AT THIS INTERSECTION.

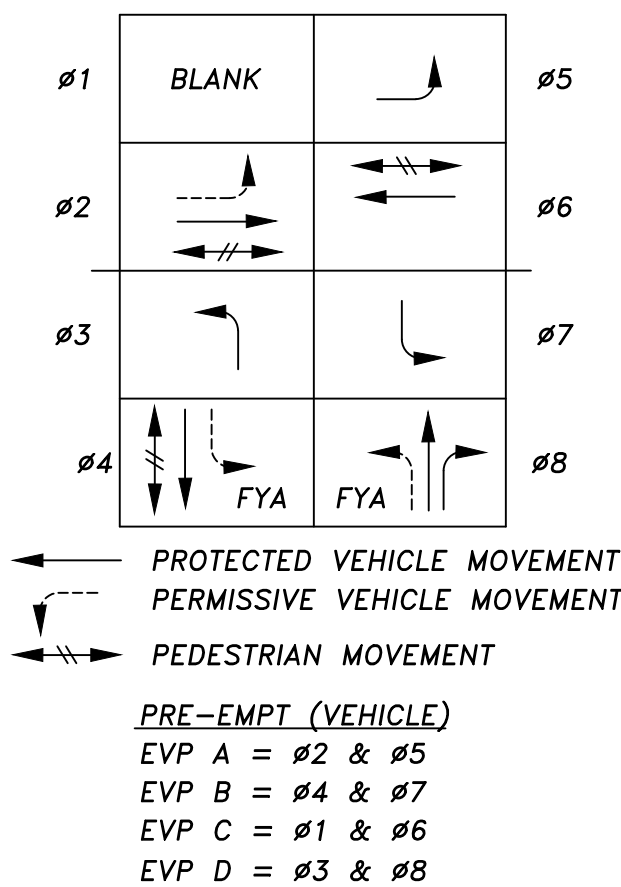
*CURB PLACEMENT DETAIL*

NOT TO SCALE

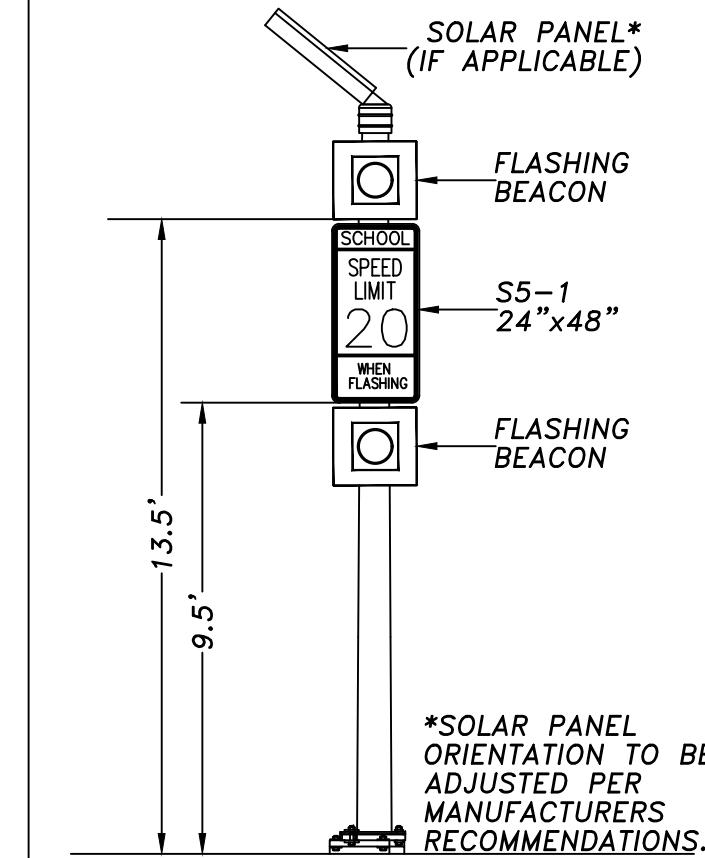


NOTE: SEE WSDOT  
STANDARD PLAN  
J-21.10-05 FOR  
CURB BASE DETAIL

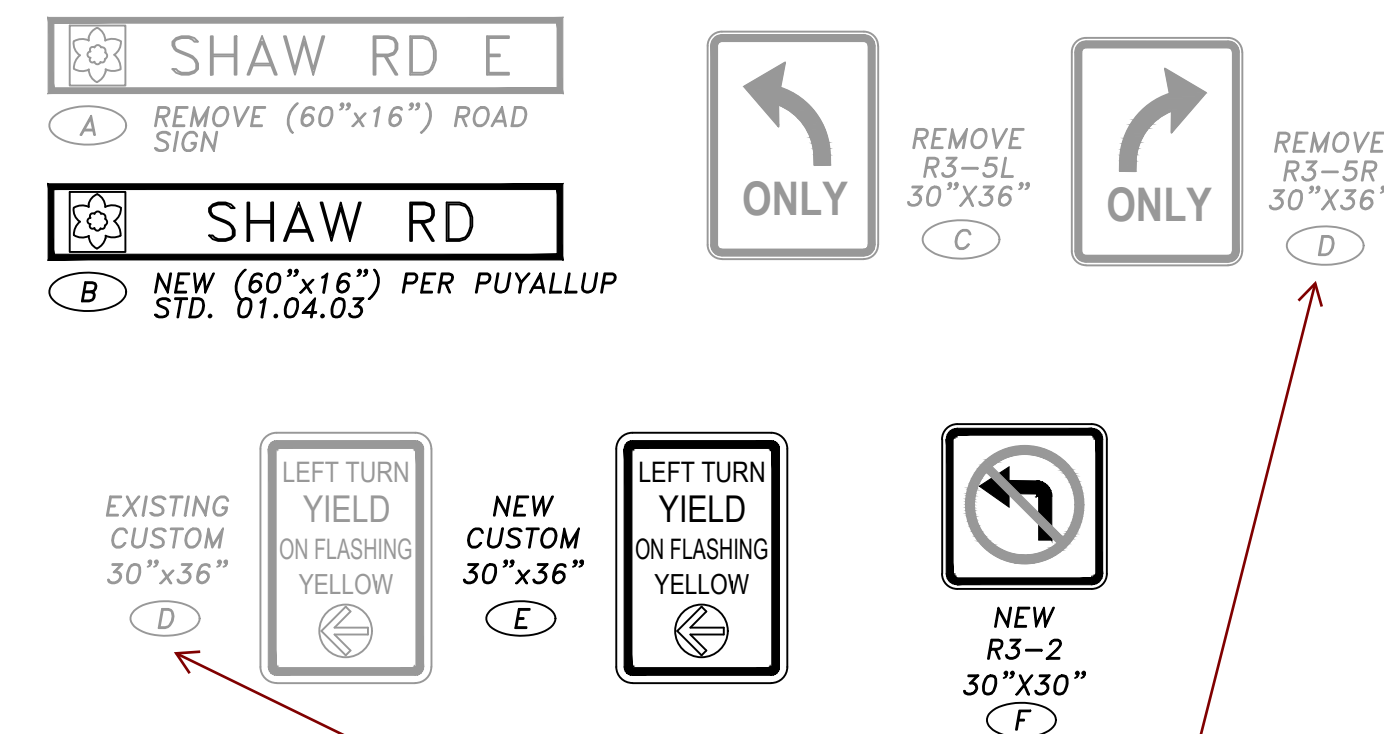
### PHASE DIAGRAM



## SIGN LAYOUT



### SIGN LEGEND





















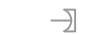














TENW: Revised  
as requested

Sign "D" label conflict  
TS-01

JUNCTION BOX SCHEDULE

BOX	TYPE	ROADWAY REFERENCE	STATION	OFFSET	FUNCTION	NOTES
A	2	SHAW RD E	12+83.0	59.5' RT	SIGNAL	ENCAPSULATE IN CONCRETE
B	8	SHAW RD E	12+23.5	59.0' RT	SIGNAL	ENCAPSULATE IN CONCRETE
C	8	SHAW RD E	12+13.5	52.0' LT	SIGNAL	ENCAPSULATE IN CONCRETE
D	2	SHAW RD E	11+12.5	44.0' LT	SCHOOL FLASHER	ENCAPSULATE IN CONCRETE

### SIGNAL LEGEND

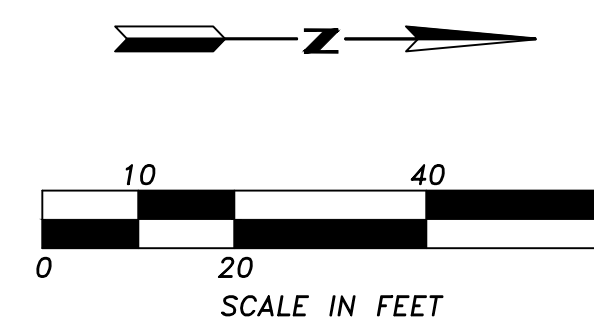
<u>EXIST.</u>	<u>NEW</u>	<u>DESCRIPTION</u>
		JUNCTION BOX TYPE 1,2,3
		VEHICLE SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		MAST ARM, LUMINAIRE POLE
		TYPE PS POLE
		PEDESTRIAN PUSHBUTTON
		MAST ARM MOUNTED SIGN
		EMERGENCY PRE-EMPTION DETECTOR WITH CONFIRMATION LIGHT
		VIDEO DETECTION CAMERA
		TENON
		CONDUIT/CONDUCTOR
		ELECTRICAL SERVICE CABINET
		CONTROLLER CABINET
		BACKUP BATTERY SYSTEM
		ROADWAY LIGHT STANDARD
		LUMINAIRE POLE MOUNTED SIGN
		PTZ CAMERA
		WIRE NOTE
		CONSTRUCTION NOTE
		SIGNAL POLE NUMBER/CONSTRUCTION NOTE
		SIGN NOTE

APPROVE

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICE

DA

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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

TRAFFIC SIGNAL PLANS - PHASE 1

TS-01

**SHEET:**

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

SIGNAL CONSTRUCTION NOTES:

- EXISTING TYPE III SIGNAL POLE AND ASSOCIATED EQUIPMENT TO REMAIN. INSTALL ONE NEW R3-2 SIGN ON EXISTING MAST ARM.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND CURB PLACEMENT DETAIL, SHEET TS-01. FURNISH AND INSTALL TYPE PS POLE WITH CURB BASE WITH ONE NEW PEDESTRIAN SIGNAL HEAD 49 AND ONE APS BLUETOOTH PEDSAFETY WAVE PUSHBUTTON 49. PEDESTRIAN PUSHBUTTON SHALL FACE NORTH PARALLEL TO CROSSWALK.
- EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- 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, ONE NEW CUSTOM "LEFT TURN YIELD ON FLASHING YELLOW" SIGN, AND ONE NEW 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 CURB PLACEMENT DETAIL, SHEET TS-01. 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, ONE NEW CUSTOM "LEFT TURN YIELD ON FLASHING YELLOW" SIGN, ONE NEW STREET NAME SIGN, AND RELOCATE ONE EXISTING VEHICLE SIGNAL HEAD ON MAST ARM. ADJUST EXISTING VIDEO DETECTION CAMERA TO ACCOMMODATE NEW VEHICLE SIGNAL HEADS. REMOVE EXISTING ILLUMINATED STREET NAME SIGN, R3-5L AND EXISTING R3-5R SIGNS AND RETURN TO CITY.
- CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10, POLE SCHEDULE, SHEET TS-04, AND CURB PLACEMENT DETAIL, SHEET TS-01. FURNISH AND INSTALL TYPE PS POLE WITH CURB BASE 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 CURB PLACEMENT DETAIL, SHEET TS-01. FURNISH AND INSTALL TYPE PS POLE WITH CURB BASE 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 11+12.5, 32.0' 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 TAPCO BLINKERBEACON 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. CONTRACTOR SHALL ENSURE THERE IS 2' OF CLEARANCE FROM EDGE OF SIGNS TO FACE OF CURB. CONTRACTOR SHALL INSTALL NEW BREAKER (20 AMP, 30 AMP CONTACTOR) ON PANEL IN EXISTING SERVICE CABINET ~65' NORTH AT SHAW RD INTERSECTION FOR FLASHING BEACON AND LABEL CIRCUIT "RSSZ". CONTRACTOR SHALL PURCHASE LICENSE TO BLINKLINK.NET FOR EACH BEACON FOR ONE YEAR. CONTRACTOR SHALL CONFIRM SPECS WITH CITY AND SCHOOL DISTRICT PRIOR TO PROCUREMENT.
- 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 TAPCO BLINKERBEACON 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. FLASHING BEACON SHALL BE SOLAR-POWERED AND UTILIZE THE LARGEST WAITAGE SOLAR PANEL (110W AND 105AH BATTERY). CONTRACTOR SHALL PURCHASE LICENSE TO BLINKLINK.NET FOR EACH BEACON FOR ONE YEAR. CONTRACTOR SHALL CONFIRM SPECS WITH CITY AND SCHOOL DISTRICT PRIOR TO PROCUREMENT.

- FURNISH AND INSTALL NEW TYPE 2 JUNCTION BOX PER CITY OF PUYALLUP STANDARD 01.06.01.
- EXISTING COMBINATION CONTROLLER/SERVICE/BBS CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.
- 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.
- REPLACE EXISTING TYPE 2 JUNCTION BOX WITH TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30.
- INTERCEPT AND EXTEND EXISTING CONDUIT AND CONDUCTORS TO NEW JUNCTION BOX. IF SUFFICIENT SLACK IS NOT AVAILABLE, CONTRACTOR SHALL PULL NEW CONDUCTORS FROM CONTROLLER CABINET.
- REMOVE EXISTING JUNCTION BOX. FILL AND COMPACT VOID.
- INTERCEPT EXISTING LIGHTING SPARE CONDUIT AND REROUTE TO NEW SIGNAL JUNCTION BOXES. ROUTE NEW SIGNAL CONDUCTORS THROUGH EXISTING AND NEW CONDUIT.

ILLUMINATION & SIGNAL GENERAL NOTES

- ALL VEHICLE SIGNAL HEADS SHALL USE TYPE M MOUNTS (CONNECTED BETWEEN THE RED AND YELLOW SIGNAL FACES). ALL 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.
- ALL CONDUCTORS FOR ALL ELECTRICAL EQUIPMENT SHALL BE LABELED IN EACH JUNCTION BOX.
- ALL CONDUITS SHALL BE RIGID HOT-DIPPED GALVANIZED STEEL OR SCHEDULE 80 PVC WHEN EXPOSED ABOVE THE GROUND. SEE SPECIAL PROVISIONS.
- 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 MANUFACTURING.
- ALL JUNCTION BOXES SHALL BE PLACED BEHIND SIDEWALK, UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP STANDARDS AND SPECIFICATIONS.
- THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AS NECESSARY.
- THE CONTRACTOR SHALL SUBMIT A REQUEST TO THE INSPECTOR FOR MATERIALS APPROVAL AT THE EARLIEST POSSIBLE DATE.
- 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.
- 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.
- EXISTING FEATURES TO REMAIN UNLESS OTHERWISE NOTED.
- 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.
- ALL WORK SHALL MEET THE REQUIREMENTS OF THE PROJECT SPECIAL PROVISIONS AND THE CITY OF PUYALLUP STANDARD DRAWINGS.
- THE TOP ELEVATION OF ALL POLE FOUNDATIONS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACING CONCRETE.
- 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.
- A COPY OF THE LOAD CALCULATIONS SHALL BE PROVIDED TO THE CITY'S SIGNAL TECHNICIAN PRIOR TO INSTALLATION.
- CONTRACTOR SHALL CONTACT THE CITY'S SIGNAL TECHNICIAN WHEN THE LIGHTS ARE READY TO BE ENERGIZED.
- 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.
- THE REQUIRED SIGNAL MODIFICATIONS MUST BE FULLY CONFIGURED AND OPERATIONAL NO LESS THAN 2 WEEKS PRIOR TO RECEIVING OCCUPANCY FOR ANY BUILDING ON-SITE. 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. ADAPTIVE SIGNAL CONTRACTOR (RHYTHM ENGINEERING) WILL BE REQUIRED TO CONFIGURE THE ADAPTIVE SYSTEM ON-SITE.

EX SERVICE BREAKER SCHEDULE E SHAW 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
RSSZ	2P-30 AMP	30 AMP

APPROVED

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE: \_\_\_\_\_

NOTE: THIS APPROVAL IS VOID  
AFTER 1 YEAR 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  
ENGINEERING SERVICES MANAGER.

WIRING SCHEDULE (AFFECTED RUNS ONLY)																									
△ NO.	RACEWAY CONDUIT SIZE	F.V. DETECT. 3C(SH)		PRE-EMPT LIGHT 2C(SH)		VEH. HEAD 6C	PPB 2C(SH)		PED. HEAD/PPB 5C		FLASHING BEACON #8	VIDEO DETECT. ***		EQUIP. GRND.	ILLUM #6		INTER 144 SMFO		PTZ CAMERA	PULL WIRE		CONDUIT FILL		ALLOWABLE FILL	
		EX.	NEW	EX.	NEW		EX.	NEW	EX.	NEW		EX.	NEW		EX.	NEW	EX.	NEW		EX.	NEW	EX.	NEW	EX.	NEW
1	2" SCH40 PVC							1		1				1								0.37	---	---	0.86
2	EX 2" SCH40 PVC**		1	1	1	2	2						1									0.67	1.32	---	---
	EX 2" SCH40 PVC**	1											1	1	1							1.18	1.32	---	---
3	EX 2" SCH80 PVC**			1	1	2	2			1				1								1.02	1.15	---	---
	EX 2" SCH80 PVC**	1						1				2		1								0.71	1.15	---	---
	EX 4" SCH80 PVC**		1										1	1				1				1.30	4.39	---	---
	EX 2" SCH80 PVC SPARE																			1		---	1.15	---	---
4	EX 2" SCH80 PVC**		1		1	2						1		1								0.99	1.15	---	---
	EX 3" SCH40 PVC**			1	1	4	2			2				1								1.44	2.91	---	---
5	EX 2" SCH40 PVC**	1						2				2		1								1.08	1.32	---	---
	EX 4" SCH40 PVC**		1						3		3			1	1			1				1.99	4.93	---	---
6	EX 2" SCH40 PVC SPARE																			1		---	1.32	---	---
	EX 2" SCH40 PVC**			1		2								1								0.51	1.32	---	---
7	EX 2" SCH40 PVC**	1										1							1			0.62	1.32	---	---
	EX 3" SCH40 PVC**			2		6			2					1								1.44	2.91	---	---
8	EX 3" SCH40 PVC**	2	2					2	4				3	1	1							2.20	2.91	---	---
	EX 4" SCH40 PVC**				2		2				4				1			1				1.98	4.93	---	---
9	EX 2" SCH40 PVC**													1		2						0.22	1.32	---	---
	EX 2" SCH80 PVC**													1		2						0.22	1.15	---	---
10	EX 2" SCH80 PVC SPARE																			1		---	1.15	---	---
	2" SCH80 PVC							1		1				1								0.37	---	---	0.75
11	EX 2" SCH40 PVC**																			1		---	---	---	0.75
	EX 2" SCH40 PVC													1								0.22	1.32	---	---
12	EX 2" SCH40 PVC		1		1	2						1		1								0.99	1.32	---	---
13	2" SCH40 PVC		1		1	2						1		1								0.99	1.32	---	---
14	2" SCH80 PVC**,****		1		1	2						1		1								0.99	1.15	---	---
15	2" SCH40 PVC										2			1								0.17	---	---	0.86
16	2" SCH80 PVC							3		3				1								0.86	1.15	---	---
17	EX 2" SCH80 PVC							3		3				1								0.86	1.15	---	---
18	EX 2" SCH80 PVC													1	2							0.22	1.15	---	---

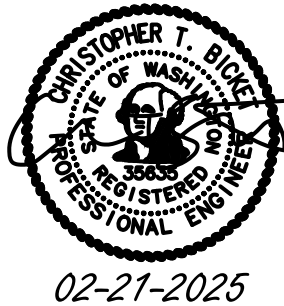
\* EQUIPMENT GROUND SIZE SHALL BE EQUAL TO OR LARGER THAN THE LARGEST WIRE SIZE IN THE CONDUIT.  
\*\* OTHER CONDUIT AND CONDUCTORS MAY BE PRESENT.  
\*\*\* VIDEO DETECTION CABLE SHALL BE 14/3 CABLE AND SHIELDED CAT5.  
\*\*\*\* MATCH EXISTING.

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.
13. 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.

No.	Date	By	Revision Description

Designed By:	Issue Date:
VNF	02/21/2025
Drawn By:	PERMIT
VNF	
Checked By:	Project No.:
TTT	2022-295



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

ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

TRAFFIC SIGNAL WIRE  
SCHEDULE - PHASE 1

TS-02

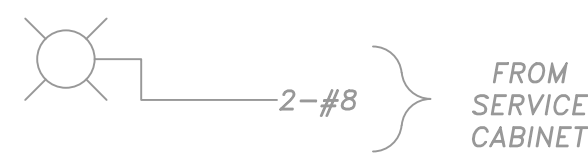
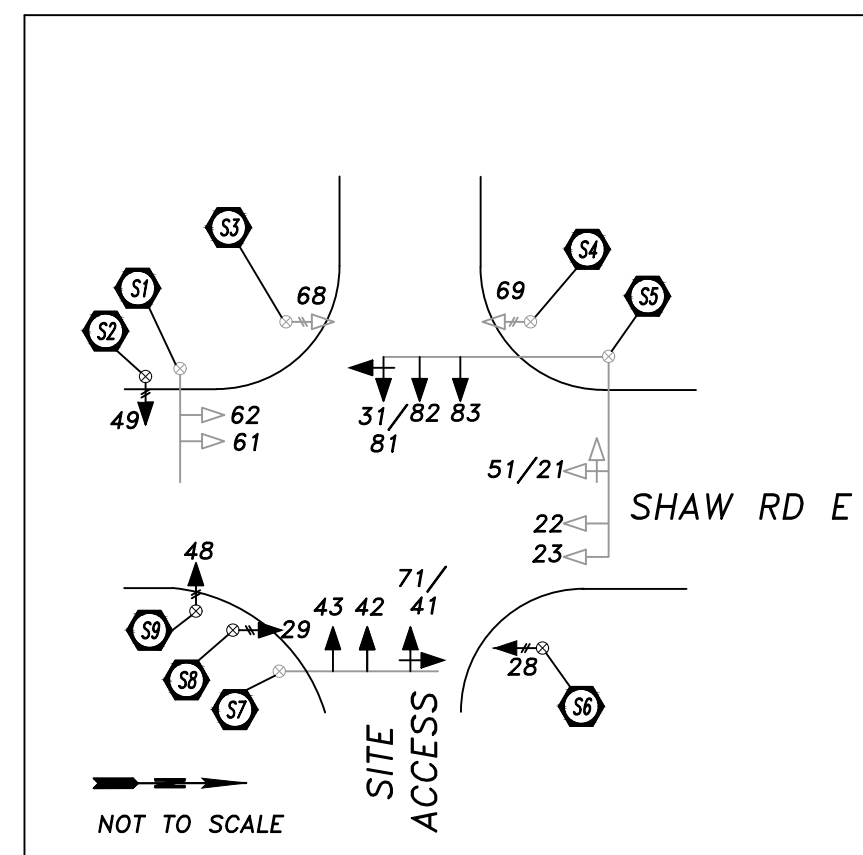
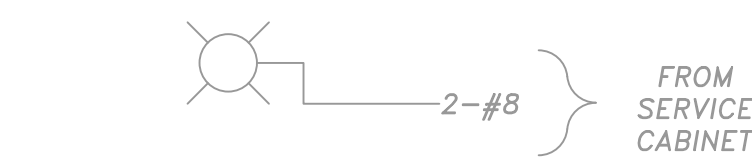
SHEET:

41

OF

46



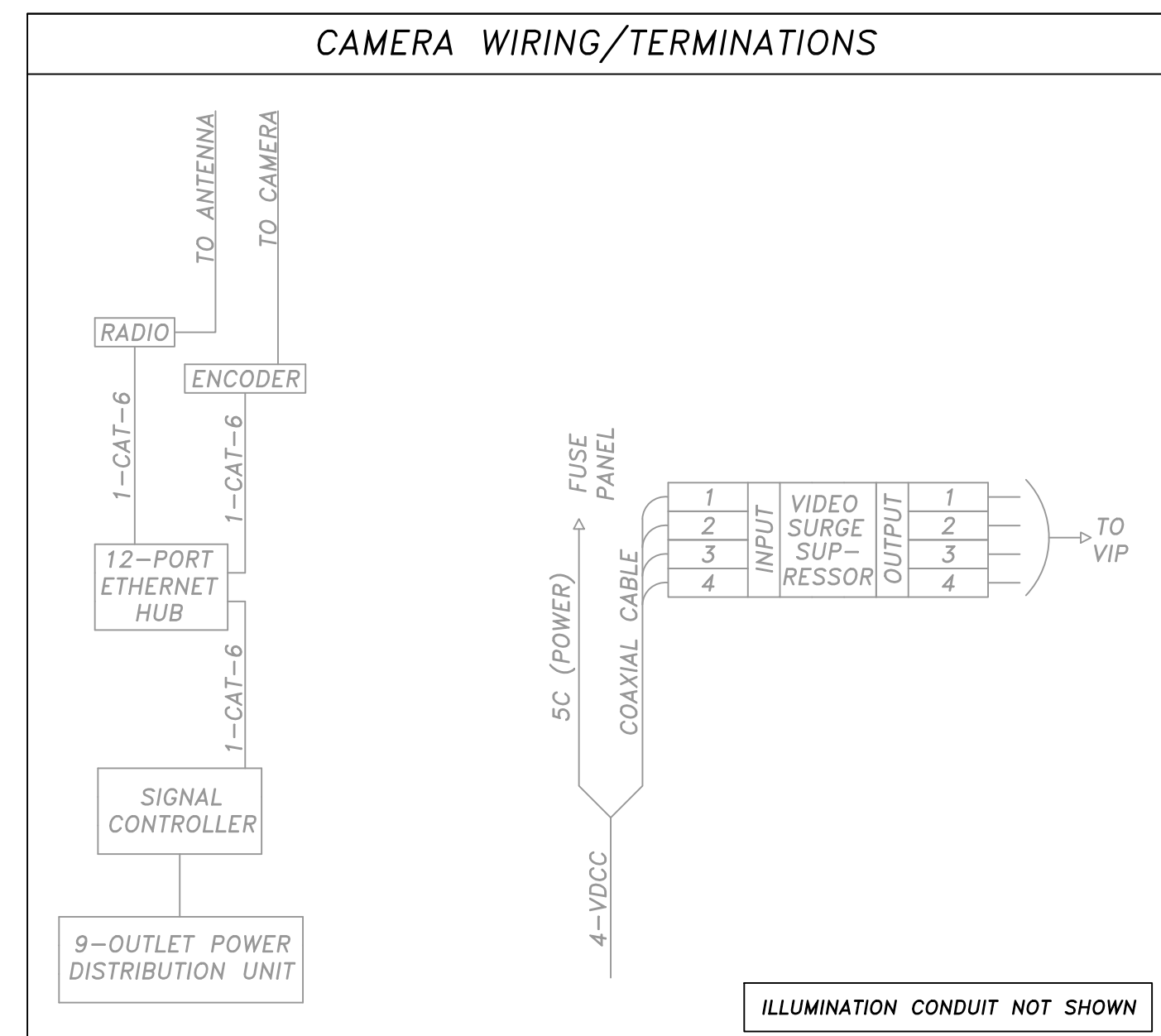


### E.V.P. DETECTORS

PEDESTRIAN  
PUSHBUTTONS

*E.V.P. LIGHTS*

## COORDINATION



ABBREVIATIONS:  
EVP: EMERGENCY VEHICLE PRE-EMPTION  
VDCC: VIDEO DETECTION CAMERA CABLE

APPROVED

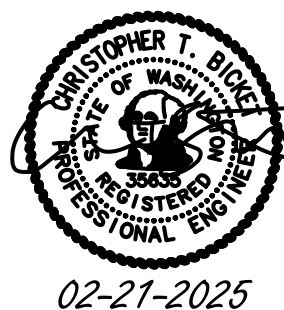
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE \_\_\_\_\_

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE.

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

<b>Designed By:</b>	<b>Issue Date:</b>
VNF	02/21/2025
<b>Drawn By:</b>	PERMIT
VNF	
<b>Checked By:</b>	<b>Project No.:</b>
TTT	2022-295



TRAFFIC SIGNAL  
WIRING DIAGRAM - PHASE 1

TS-03

**SHEET:**



SEE SIGNAL DISPLAY VERTICAL CLEARANCE CHART

LIMITS OF VERTICAL CLEARANCE REQUIREMENT

ROADWAY

CURB OR EDGE OF SHOULDER

Diagram illustrating the vertical clearance requirements for a signalized intersection. The diagram shows the roadway, curb, and shoulder. The vertical clearance is defined by the height of the signal structure (B1-B11) and the height of the signal head (a or b). The diagram includes dimensions for the vertical clearance (12'-0" and 8'-0") and the horizontal clearance (3'-6" MIN.). The diagram also shows the signal structure (B1-B11) and the signal head (a or b). The diagram includes dimensions for the vertical clearance (12'-0" and 8'-0") and the horizontal clearance (3'-6" MIN.).

TYPE III  
COMBINATION  
LIGHTING AND  
MAST ARM SIGNAL  
STANDARD

DISTANCE FROM STOP LINE	40'		45'		50'		53' OR MORE	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
3 SECTION 12"	16.5'	17.5'	16.5'	19.2'	16.5'	20.9'	16.5'	22.0'
5 SECTION (DOGHOUSE) 12"	16.5'	17.0'	16.5'	18.0'	16.5'	19.7'	16.5'	20.8'
4 SECTION 12"	16.5'	17.0'	16.5'	17.5'	16.5'	18.5'	16.5'	19.6'
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								

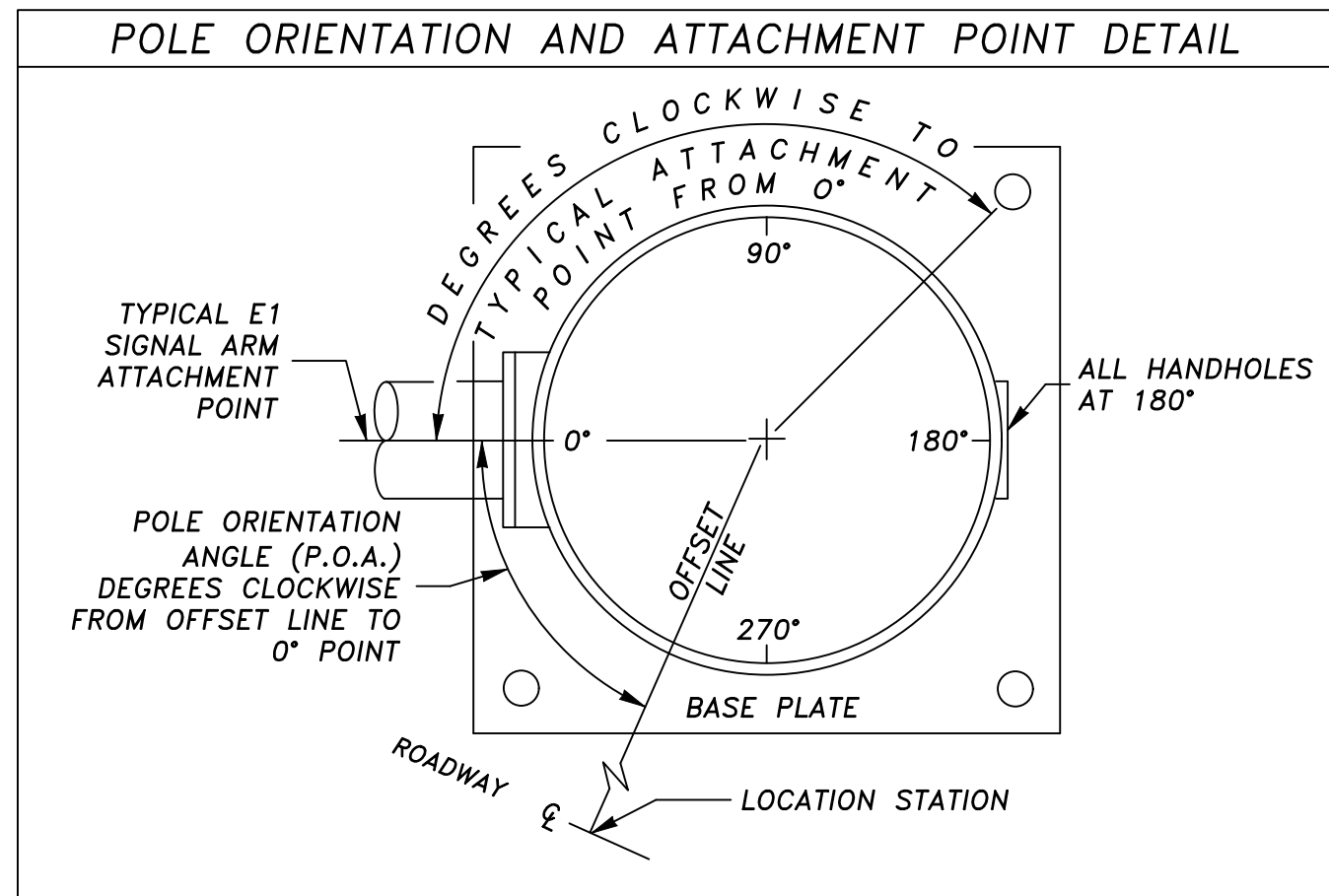


Diagram of a two-story building with a central core. The top floor is labeled 'g' and the bottom floor is labeled 'i'. The total height is 8'-0" and the height of the bottom floor is 3'-6".

TYPE PS  
PED. HEAD  
STANDARD

STD. NO. ○	REFERENCE ROADWAY	SIGNAL STANDARD DETAIL CHART																																				REMARKS								
		FIELD LOCATION		TYPE	MOUNTING HEIGHT (FT)		MAST ARM	SIGNAL MAST ARM DATA																		LUMINAIRE ARM(FT)	POLE ATTACHMENT POINT ANGLES (DEG)								FOUNDATION <sup>(1)</sup>											
								SIGNAL MAST ARM DATA																			POLE ATTACHMENT POINT ANGLES (DEG)								FOUNDATION <sup>(1)</sup>											
		STATION	OFFSET	LT/RT/POA	A1	A2	B1	B2	B3	B4	B5	B6	B7	B9	B10	B11	B1	B2	B3	B4	B6	B7	B9	B10	B11	(X)(Y)(Z) <sup>(3)</sup>	(X)(Y) <sup>(4)</sup>	TOTAL(FT)	C	D	E1	F1	F2	G1	G2	H	I1		I2	3' RD. 3' SQ. 4' RD.						
1	SHAW RD E	EX	EX	X	0°	EX III	18.0'	30.0'	43.0'	—	39.0'	34.0'	—	27.0'	23.0'	—	—	—	—	16.5'	—	6.3	9.2	—	9.2	—	—	—	—	6.7	921	12'	—	—	330	—	—	—	135	—	—	11	9	9	FDN PER WSDOT J-21.10	
2	SHAW RD E	12+01.5	44.0'	X	—	PS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(3)	—	—	270	—	—	—	—	FDN PER WSDOT J-21.10			
3	SHAW RD E	EX	EX	X	—	EX PS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(3)	—	—	0	—	—	—	—		FDN PER WSDOT J-21.10		
4	SHAW RD E	EX	EX	X	—	EX PS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(3)	—	—	0	—	—	—	—				FDN PER WSDOT J-21.10
5	SHAW RD E	EX	EX	X	0°	EX SD	17.0'	30.0'	75.0'	75.0'	—	63.5'	56.0'	69.5'	51.5'	—	—	—	20.5'	9.2	—	9.2	7.5	11.6	—	—	—	—	6.7	2429	12'	—	0	0	—	—	—	270	—	—	—	12			FDN PER WSDOT J-21.10	
6	SHAW RD E	12+89.5	46.0'	X	—	PS	17.0'	—	62.0'	62.0'	59.0'	54.0' <sub>(9)</sub>	—	—	46.0' <sub>(9)</sub>	—	—	—	20.0'	11.6	7.5	9.2	—	9.2	—	—	—	6.7	—	—	—	—	—	—	(3)	—	—	0	—	—	—	—	FDN PER WSDOT J-21.10			
7	SHAW RD E	EX	EX	X	90°	EX III	18.0'	30.0'	38.0'	32.5' <sub>(9)</sub>	28.0'	24.5' <sub>(9)</sub>	—	36.5'	16.5' <sub>(9)</sub>	—	—	—	12.5'	11.6	7.5	9.2	—	9.2	—	—	—	6.7	1048	12'	—	0	—	—	—	(3)	—	—	0	—	—	—		—		
8	SHAW RD E	12+21.0	44.5'	X	—	PS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(3)	—	—	0	—	—	—	—		FDN PER WSDOT J-21.10		
9	SHAW RD E	11+97.0	33.5'	X	—	PS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	(3)	—	—	0	—	—	—	—			FDN PER WSDOT J-21.10	

- (1) FOUNDATION DEPTHS ARE BASED ON AN ALLOWABLE LATERAL BEARING CAPACITY OF 1,000 PSF. RECOMMENDED PER COORDINATION WITH EARTH SOLUTIONS NW, LLC ON 1/3/2019.
- (2) RELOCATE SIGNAL HEAD ON MAST ARM. INSTALL NEW VEHICLE HEAD ON EXISTING TENON.
- (3) N/A: PEDESTRIAN SIGNAL HEAD SHALL USE TYPE "D" TOP MOUNT.
- (4) CALCULATED WINDLOAD PLUS 500 FT<sup>3</sup> FOR FUTURE UNKNOWN CONDITIONS.
- (5) NOT APPLICABLE. PEDESTRIAN SIGNAL HEAD SHALL BE MOUNTED WITH A TYPE D TOP MOUNT.
- (6) FIELD WELD NEW TENON.

BY: \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

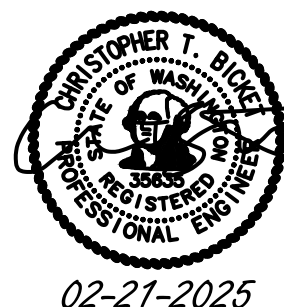
DATE \_\_\_\_\_

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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

TRAFFIC SIGNAL  
POLE SCHEDULE - PHASE 1

TS-04

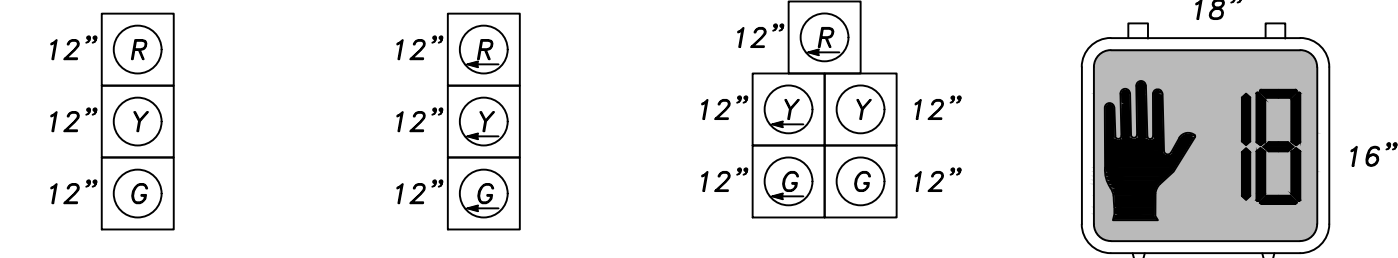
**SHEET:**

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

## SIGNAL DISPLAYS



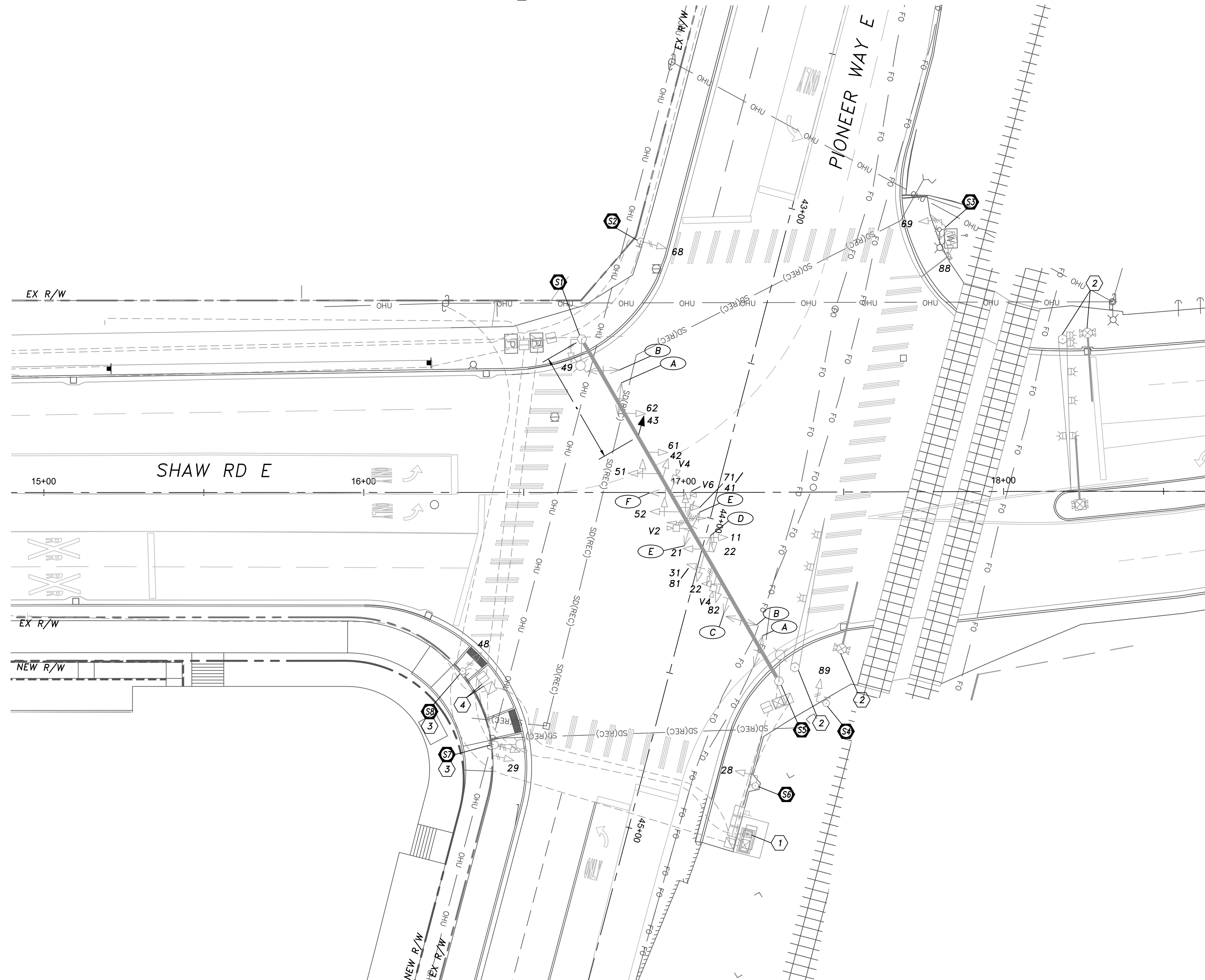
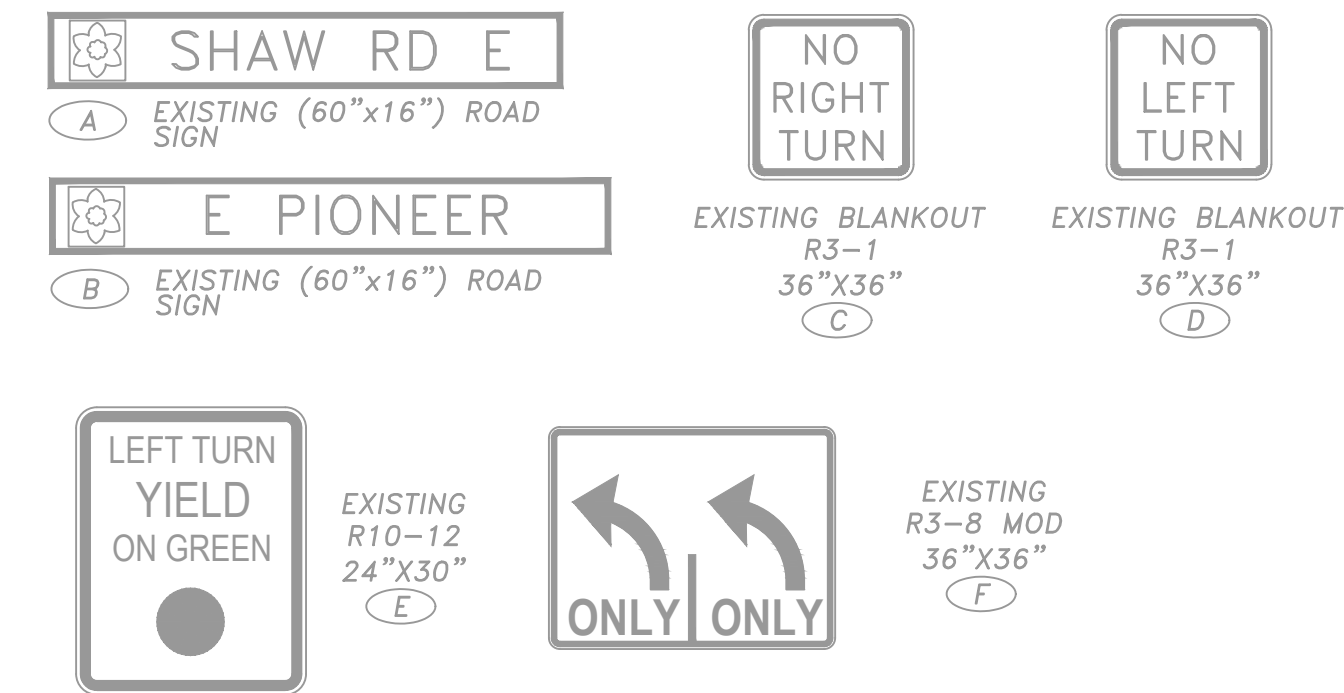
VEHICLE HEADS	VEHICLE HEADS	VEHICLE HEADS	PEDESTRIAN HEADS
EX :22,23 NEW:43	EX :11	EX :31/81	EX :28,29
:42	:51,52	:71/41	:48,49
:61,62			:68,69
:82			

1. ALL STANDARD VEHICLE SIGNAL HEADS SHALL BE CONVENTIONAL ALUMINUM TYPE WITH 12-INCH LENS FOR ALL INDICATIONS AND SQUARE DOORS WITH TUNNEL VISORS. EACH SIGNAL HEAD SHALL HAVE A 0.25-INCH HOLE DRILLED INTO THE BOTTOM. BALLS AND ARROWS SHALL BE ILLUMINATED WITH DIALIGHT ITE SPECIFICATION LED LIGHTS FOR ALL INDICATIONS.
2. ALL PEDESTRIAN HEADS SHALL BE COUNTDOWN AND ITE SPECIFICATION LEOTEK TSL-PED-16-SPC-V1 LED LIGHT UNITS WITH BLACK Z CRATE VISORS. HAND SYMBOL SHALL BE PORTLAND ORANGE AND MAN SYMBOL SHALL BE LUNAR WHITE.
3. PEDESTRIAN HEADS, VEHICLE HEADS SHALL HAVE NO BACK-PLATE AND BE ALUMINUM AND FLAT BLACK IN COLOR. PEDESTRIAN HEADS AND VEHICLE HEADS SHALL MATCH EXISTING HEADS AT THIS INTERSECTION.

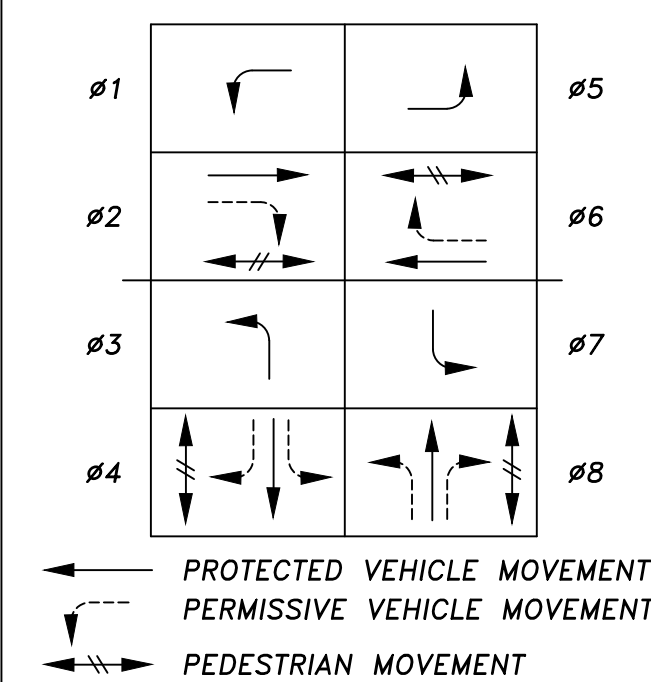
### SIGNAL CONSTRUCTION NOTES.

- ① EXISTING SUPPORT FOR MONOTUBE SIGNAL BRIDGE AND ASSOCIATED EQUIPMENT TO REMAIN. INSTALL ONE NEW VEHICLE SIGNAL HEAD 43 ON MAST ARM AT OFFSET OF 35 FEET. VEHICLE SIGNAL HEAD SHALL FACE EASTBOUND TRAFFIC, CENTER IN LANE. ENSURE 8 FEET OF CLEARANCE FROM NEAREST EASTBOUND SIGNAL HEAD. INSURE SIGNAL HEAD HAS NO OBSTRUCTION TO VISION OF ADJACENT SIGNAL HEADS. INSTALL NEW 5C CONDUCTOR FOR VEHICLE SIGNAL HEAD AND FEED CONDUCTOR THROUGH EXISTING CONDUIT AND TERMINATE IN CONTROLLER CABINET.
- ② EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ③ EXISTING STREET LIGHT AND EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ④ EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑤ EXISTING SUPPORT FOR MONOTUBE SIGNAL BRIDGE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑥ EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑦ EXISTING STREET LIGHT AND EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ⑧ EXISTING PS POLE AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ① EXISTING COMBINATION CONTROLLER/SERVICE/BBS CABINET TO REMAIN. PROTECT DURING CONSTRUCTION.
- ② EXISTING RAILROAD CROSSING SIGNAL AND ASSOCIATED EQUIPMENT TO REMAIN. PROTECT DURING CONSTRUCTION.
- ③ EXISTING CURB RAMPS TO BE REPLACED IN KIND. CONTRACTOR SHALL ENSURE EXISTING POLE LOCATIONS MEET ADA STANDARDS PRIOR TO RAMP RECONSTRUCTION. SEE CIVIL PLANS FOR DETAILS.
- ④ EXISTING JUNCTION BOXES TO REMAIN. CONTRACTOR SHALL ADJUST JUNCTION BOXES TO FINISHED GRADE.







































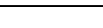



### SIGN LEGEND



### PHASE DIAGRAM



### SIGNAL LEGEND

<u>EXIST.</u>	<u>NEW</u>	<u>DESCRIPTION</u>
		JUNCTION BOX TYPE 1,2,8
		VEHICLE SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		MAST ARM, LUMINAIRE POLE
		TYPE PS POLE
		PEDESTRIAN PUSHBUTTON
		MAST ARM MOUNTED SIGN
		EMERGENCY PRE-EMPTION DETECTOR WITH CONFIRMATION LIGHT
		VIDEO DETECTION CAMERA
		TENON
		CONDUIT/CONDUCTOR
		ELECTRICAL SERVICE CABINET
		CONTROLLER CABINET
		BACKUP BATTERY SYSTEM
		ROADWAY LIGHT STANDARD
		LUMINAIRE POLE MOUNTED SIGN
		PTZ CAMERA
		WIRE NOTE
		CONSTRUCTION NOTE
		SIGNAL POLE NUMBER/CONSTRUCTION NOTE
		SIGN NOTE

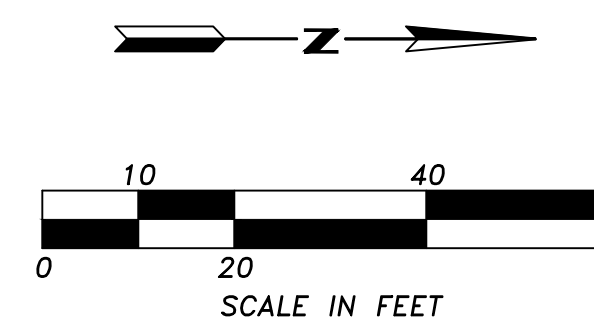
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ENGINEERING SERVICES

DATE \_\_\_\_\_

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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

TRAFFIC SIGNAL PLANS - PHASE 1

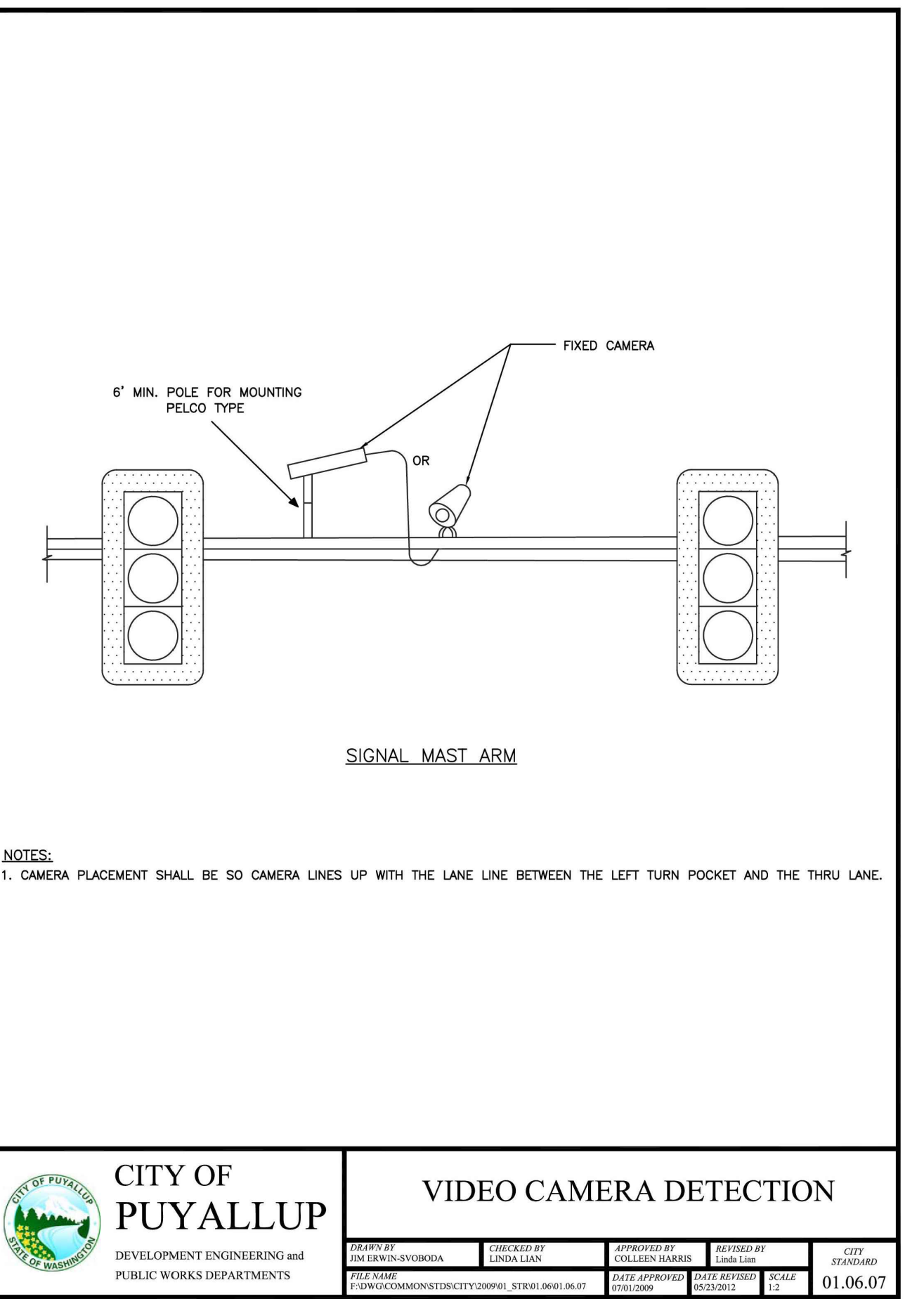
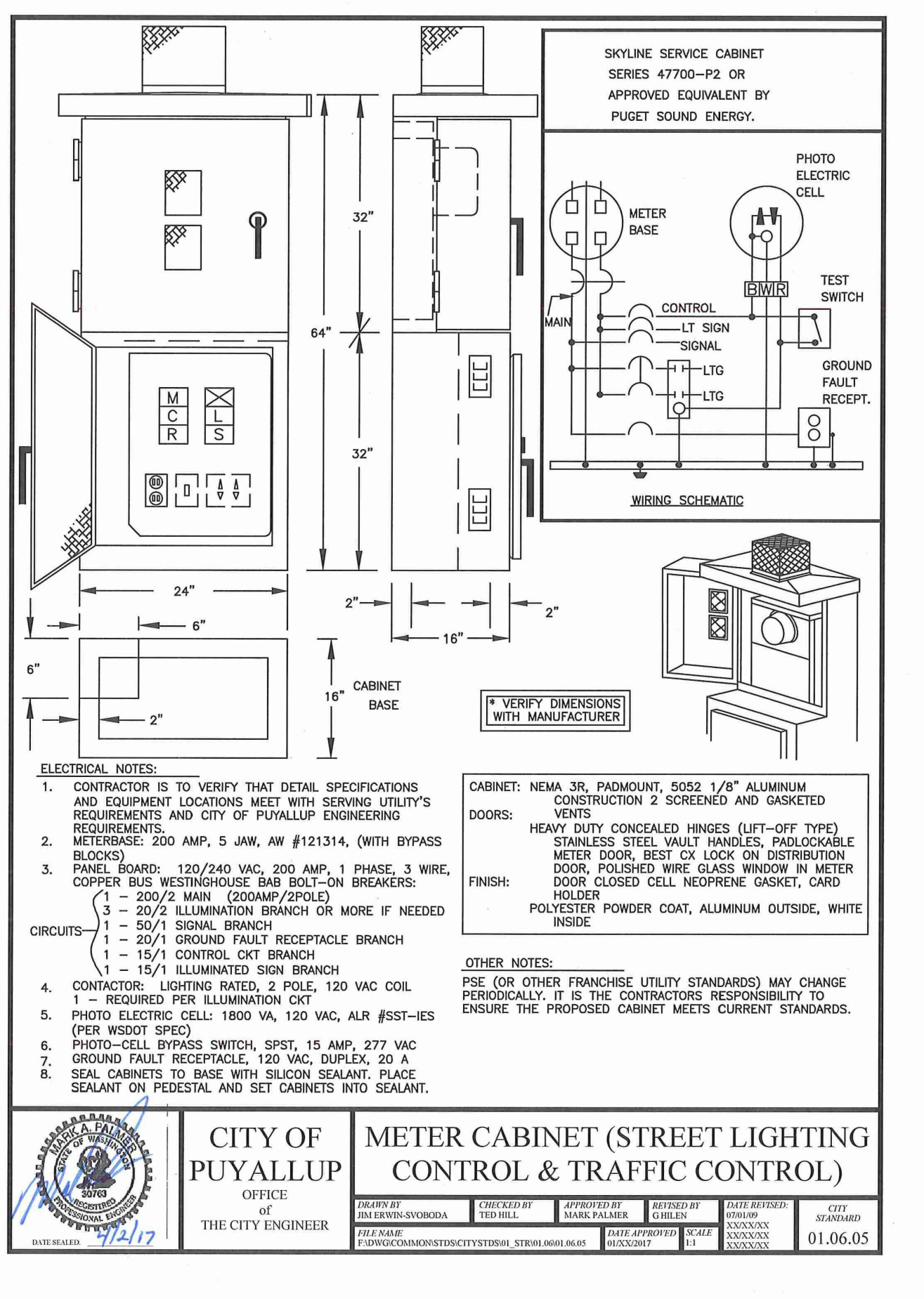
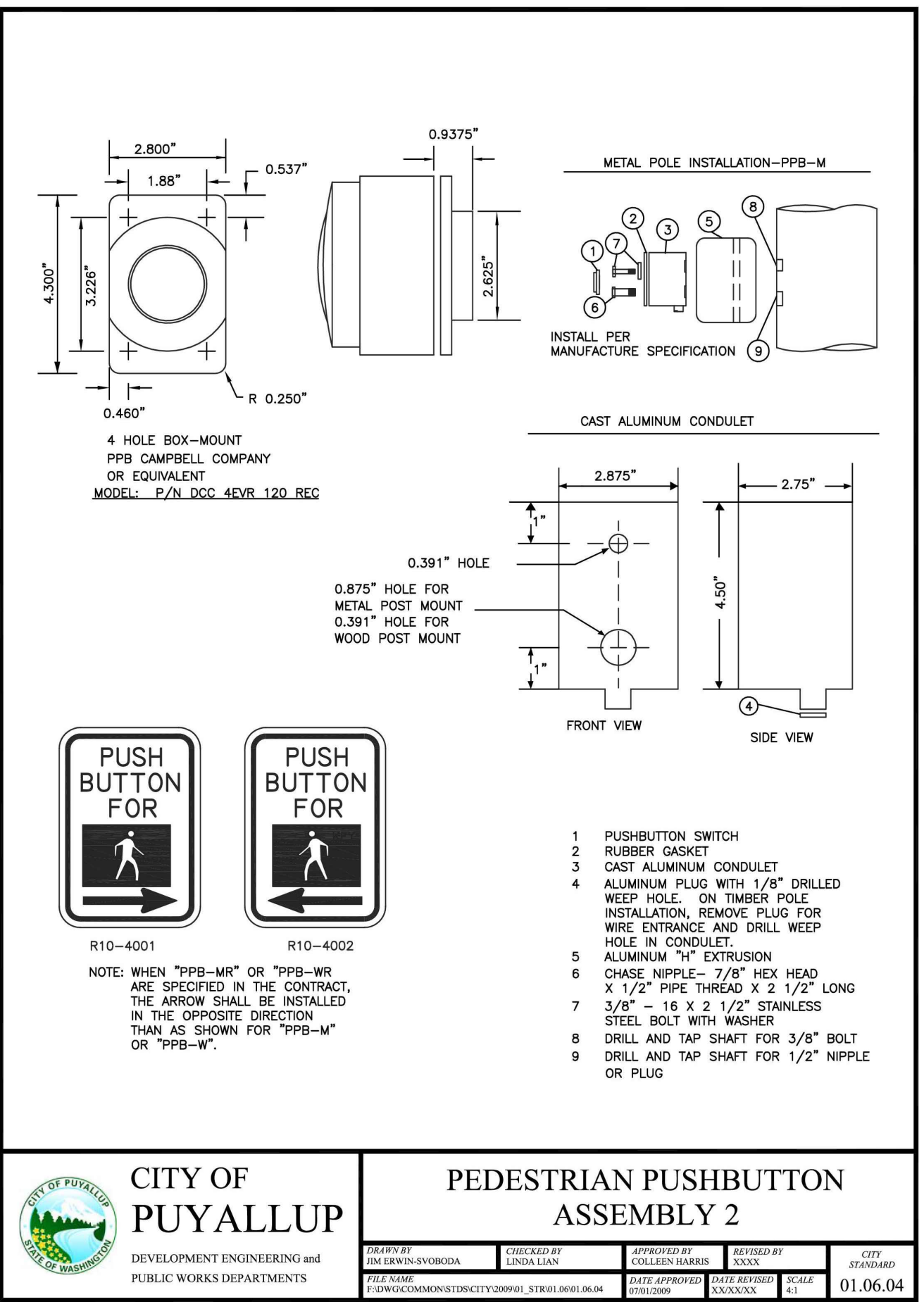
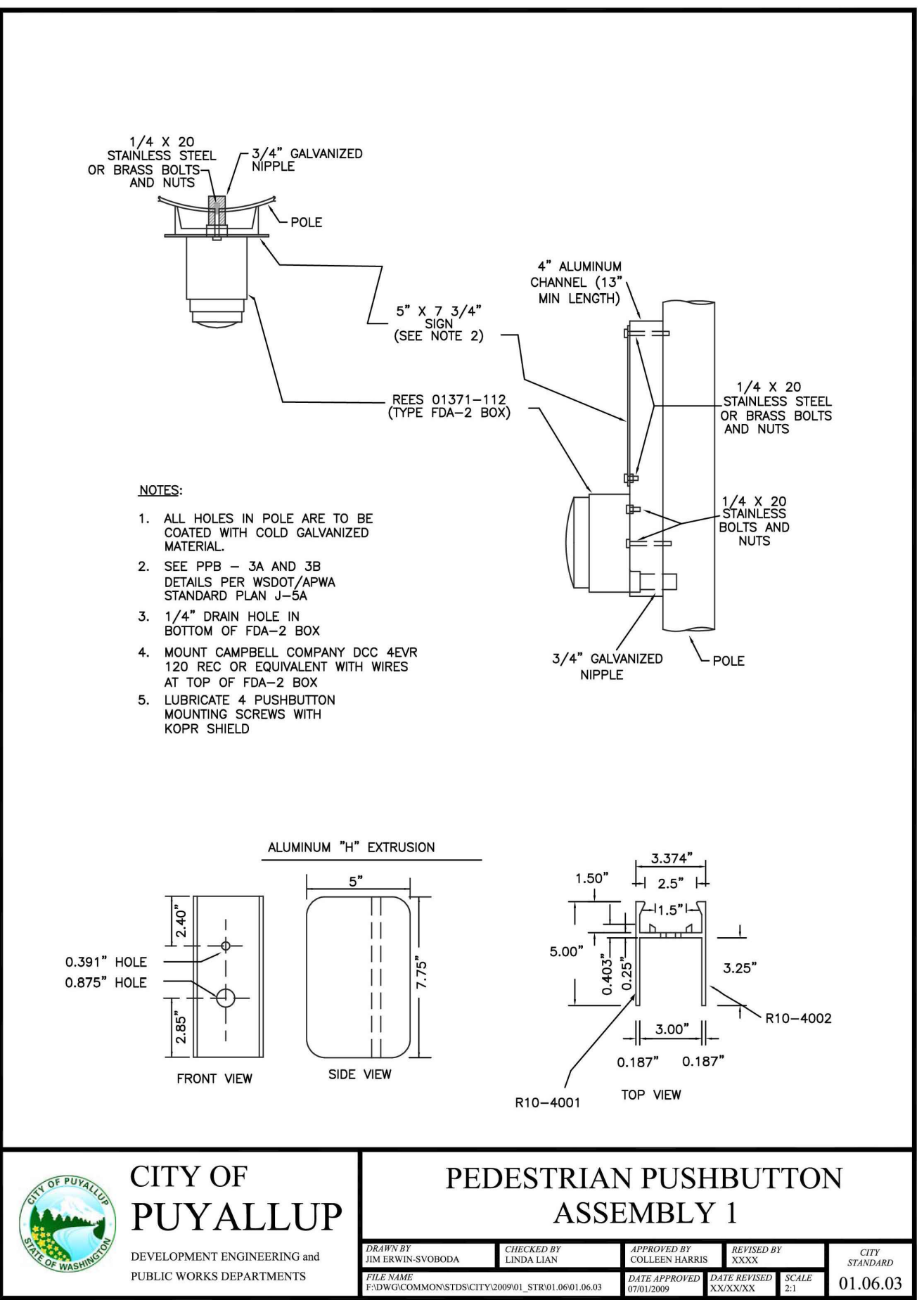
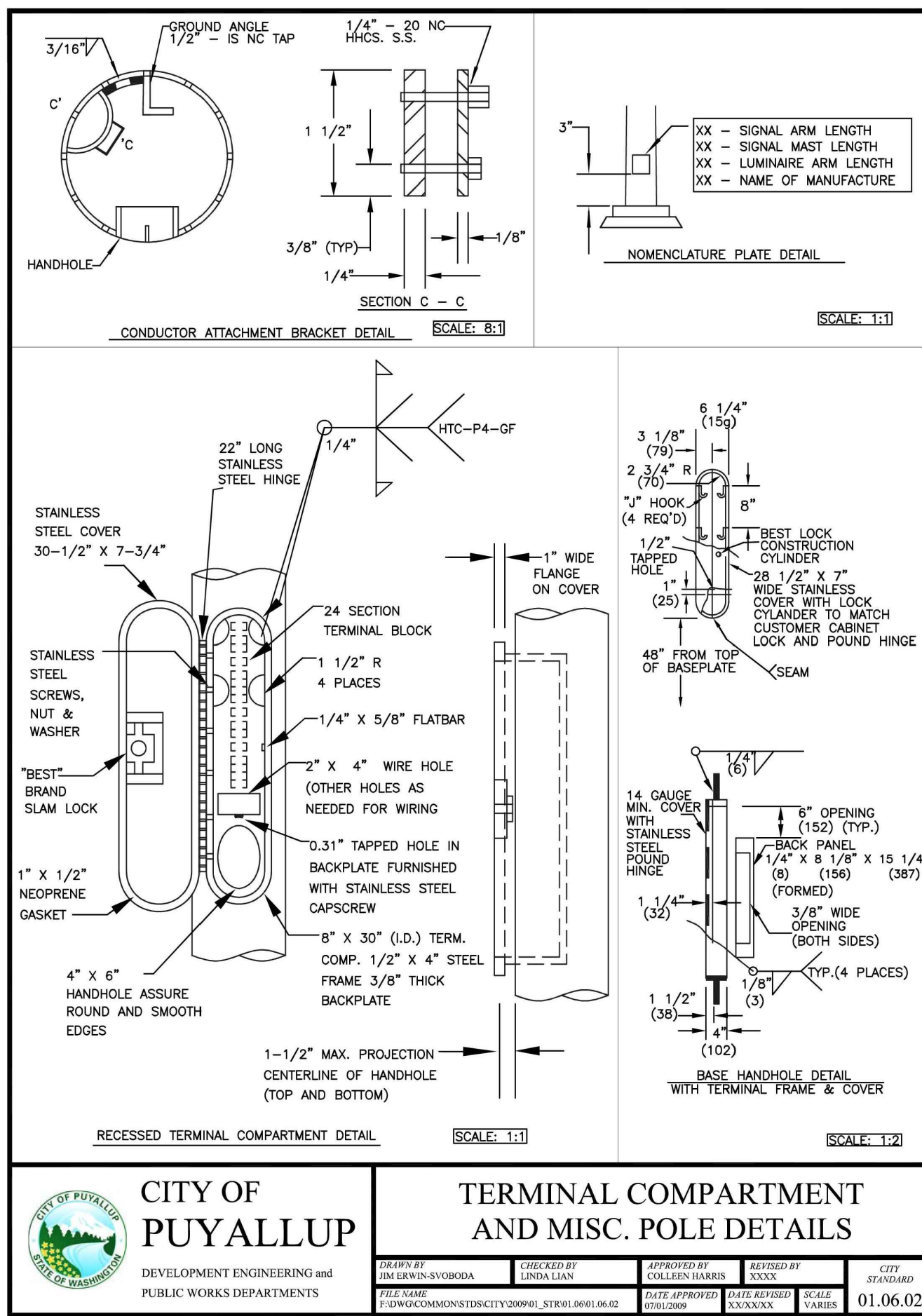
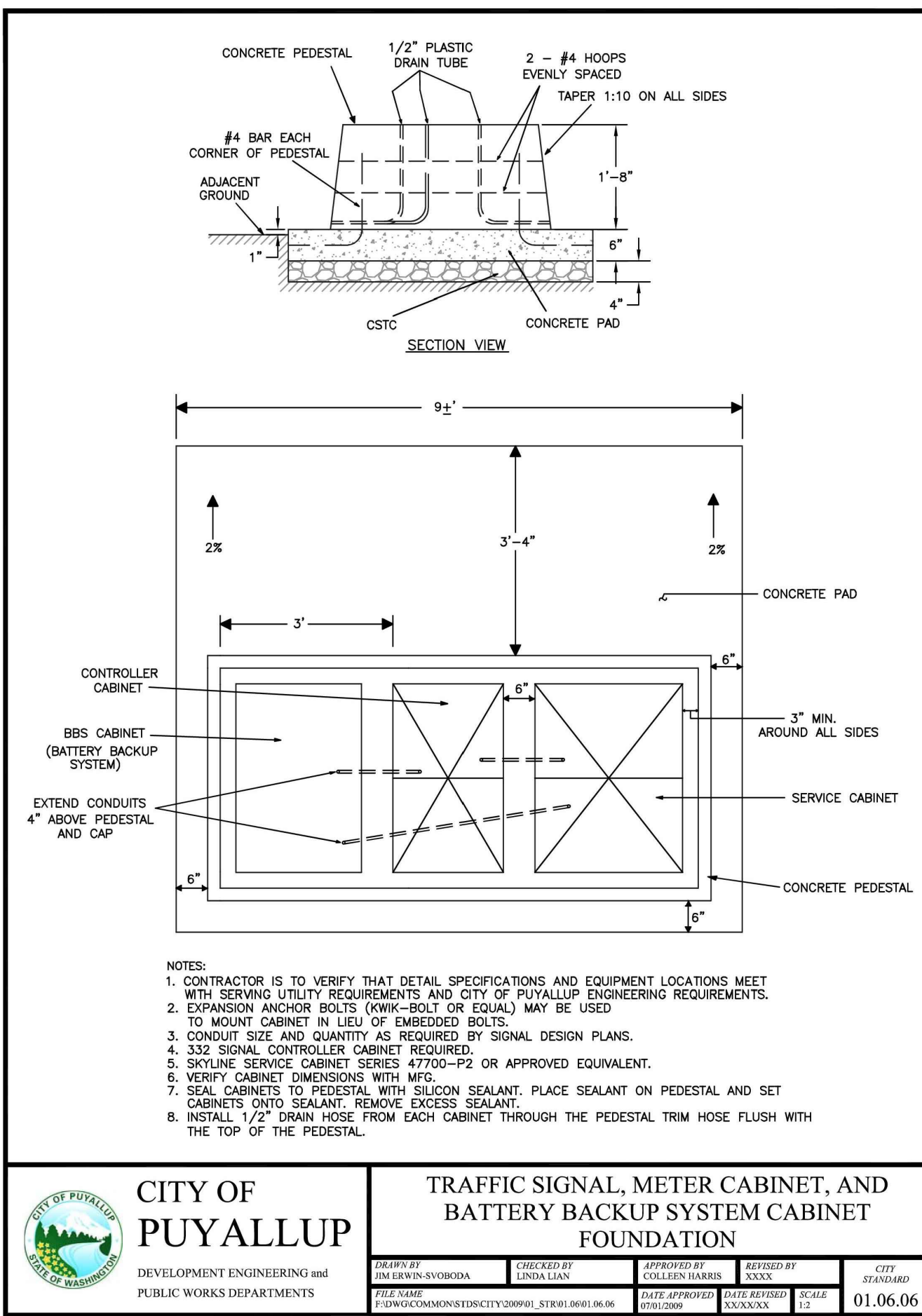
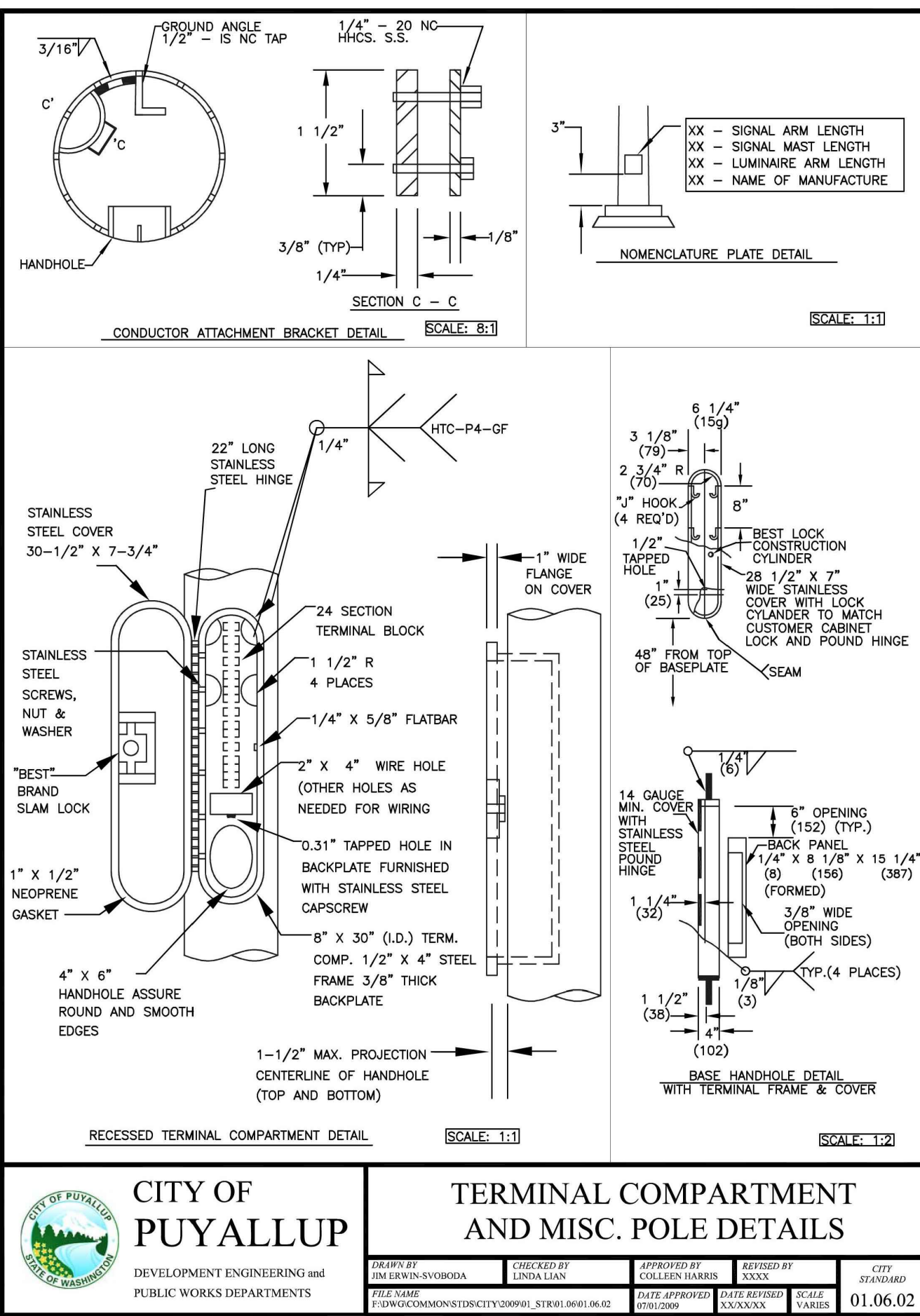
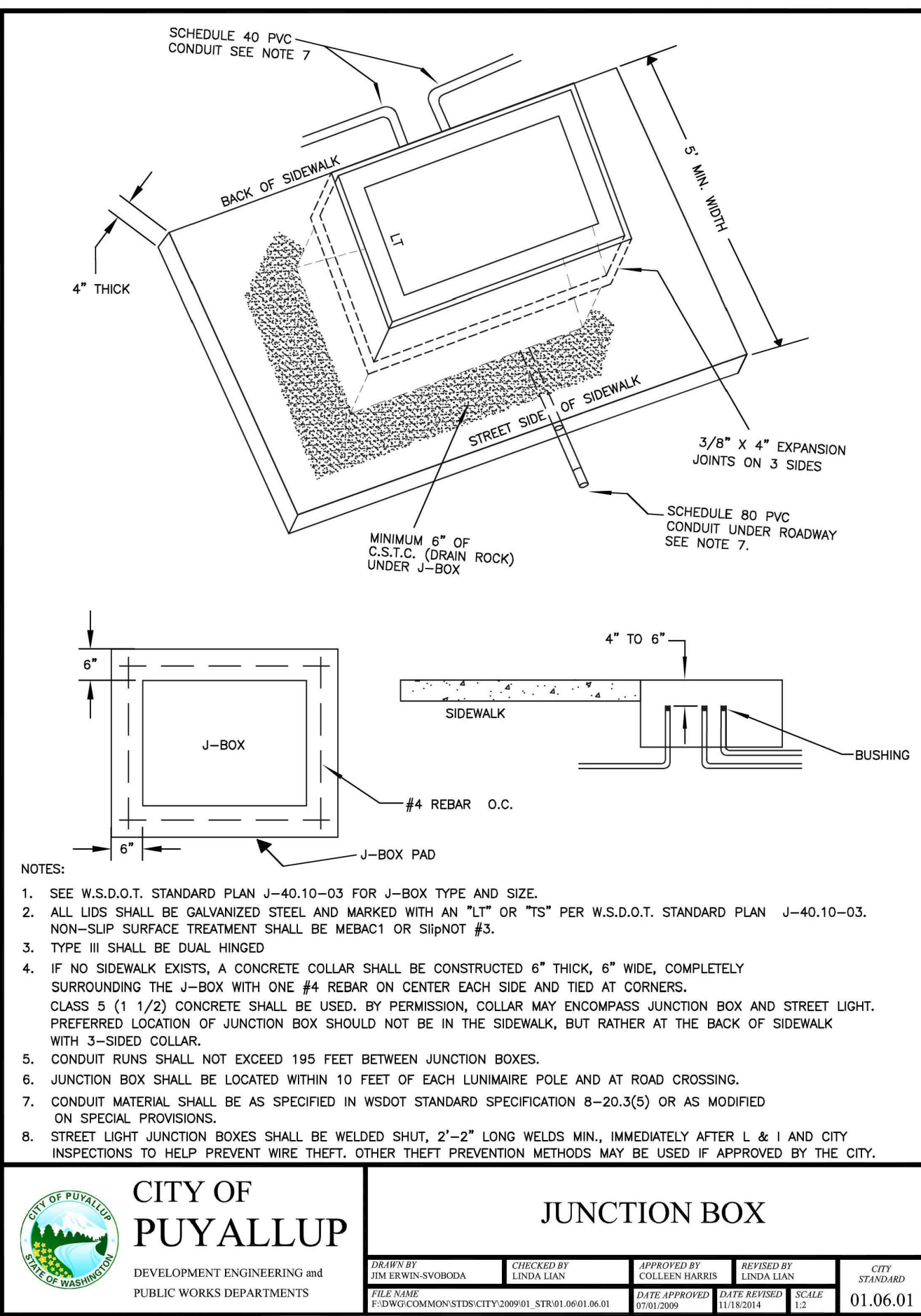
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SECTION 26, TOWNSHIP 20 N, RANGE 4 E, W.M.



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ASH DEVELOPMENT, LLC  
EAST TOWN CROSSING  
PUYALLUP, WA

# TRAFFIC SIGNAL STANDARD

## DETAILS – PHASE 1

TS-06

**SHEET:**

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FLASHING BEACON STANDARD  
DETAILS – PHASE 1

**SHEET:**

46 OF 46

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