

SITE ADDRESS

409 AND 433 43RD AVE SW  
PUYALLUP, WA 98373

OWNER

HC HOMES INC.  
20921 SNAG ISLAND DR.  
LAKE TAPPS, WA. 98391

PARCEL NUMBER

LOT 1 - 0419095003  
LOT 2 - 0419095022

LEGAL DESCRIPTION

LOT 1 - 0419095003  
LOT 1, CITY OF PUYALLUP, SHORT PLAT AMENDMENT NO. PLSP20220104,  
ACCORDING TO MAP RECORDED UNDER AUDITOR'S FILE NO.  
202405015003, RECORDS OF PIERCE COUNTY WASHINGTON; SITUATE IN  
THE COUNTY OF PIERCE, STATE OF WASHINGTON.

LOT 2 - 0419095022  
RESULTANT PARCEL 'A' OF CITY OF PUYALLUP BOUNDARY LINE  
ADJUSTMENT NO. PLBDJ20220164, ACCORDING TO MAP RECORDED UNDER  
AUDITOR'S FILE NO. 202405015004, RECORDS OF PIERCE COUNTY  
WASHINGTON;  
SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON

UTILITIES

WATER: FRUITLAND WATER  
SEWER: SEPTIC  
POWER: PUGET SOUND ENERGY  
GAS: PUGET SOUND ENERGY  
COMMUNICATIONS: COMCAST / LUMEN

PUYALLUP DUPLEX  
A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SEC. 34, TWP. 20 N., RGE. 4 E.,  
WILLAMETTE MERIDIAN, CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

BUILDING PERMIT NOTE

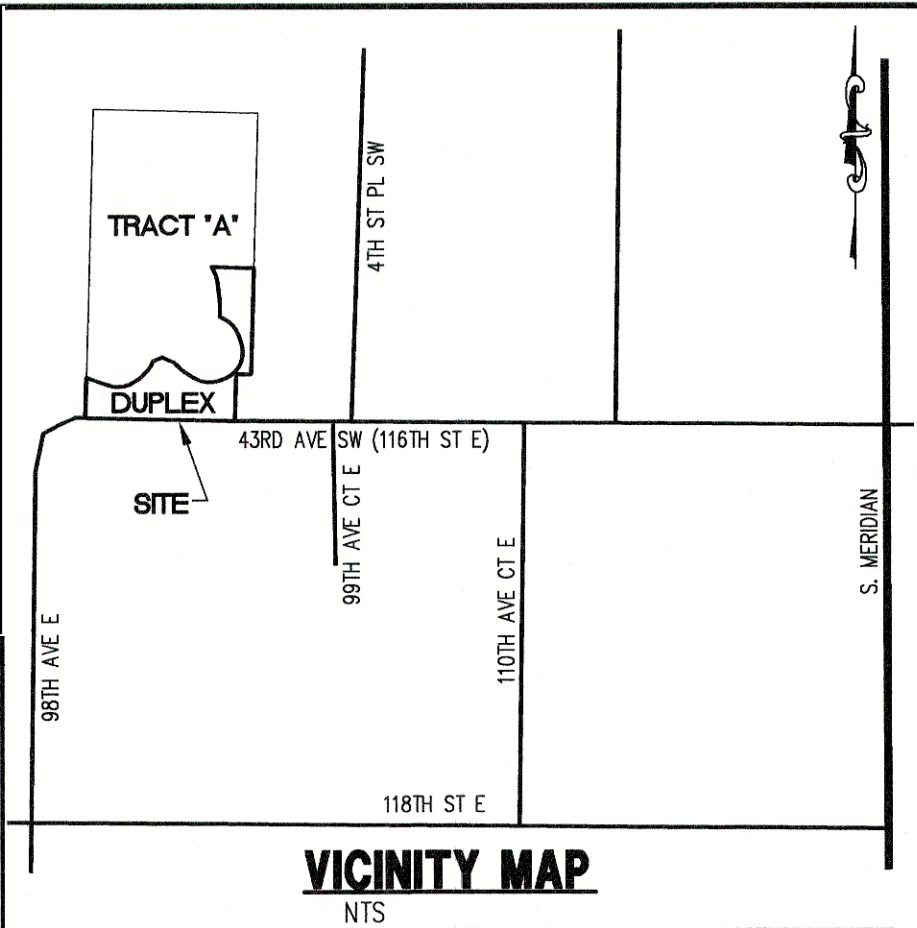
SEE SEPARATELY APPROVED PUYALLUP DUPLEX - LOT 1 AND LOT 2  
PLANS FOR SITE AND STORM DRAINAGE IMPROVEMENTS ASSOCIATED  
WITH BUILDING PERMITS PRRNSF20230919 AND PRRNSF20230918,  
RESPECTIVELY, WHICH WILL BE CONSTRUCTED PRIOR TO THE  
CONSTRUCTION OF CIVIL PERMIT PRCCP20240014.

APPROVED

BY: *Aditya Wale*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06/12/2024

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 CITY  
ENGINEER

PERMIT# PRCCP20240014



LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	CENTER LINE	---
---	PROPERTY LINE	---
---	RIGHT OF WAY LINE	---
---	EASEMENT LINE	---
---	BUILDING SETBACK LINE	---
---	CHAIN LINK FENCE	---
---	WOOD FENCE	---
---	EDGE OF PAVEMENT	---
---	CONTOURS	---
---	STREET SIGN	---
---	STORM DRAIN CATCH BASIN	---
---	STORM DRAIN CLEANOUT	---
---	STORM DRAIN LINE	SD
---	ROOF DRAIN LINE	RD
---	FIRE HYDRANT	---
---	WATER VALVE	---
---	WATER METER	---
---	THRUST BLOCKING	---
---	WATER MAIN	---
---	LUMINAIRE	---
---	OVER HEAD POWER	---
---	POWER/UTILITY POLE	---
---	GUY WIRE	---
---	POWER VAULT	---
---	GAS MAIN	---
---	GAS VALVE	---
---	TELEPHONE LINE	---
---	TELEPHONE RISER	---
---	MAIL BOX	---
---	ASPHALT CONCRETE	---
---	CEMENT CONCRETE	---



C.E.S. NW INC.  
CIVIL ENGINEERING & SURVEYING  
PH: (253) 846-4282  
ceservices@cesnwinc.com  
429 - 29TH ST. SE. SUITE D  
PUYALLUP, WA 98372

PUYALLUP DUPLEX  
PAVED SIDEWALK PLAN

Project:

Designed: ENO  
Drawn: MRL  
Checked: ENO

Scale: 1"=20'  
Date: 4/30/2024  
Job No.: 20069

Sheet No.:

0S1

1 of 3 Sheets

PLAN VIEW CALLOUTS

- STA:10+69.00  
INSTALL TYPE III BARRICADE AT END OF  
SIDEWALK PER DETAIL ON SHEET OS3
- STA:10+70.00, 25' (L)  
BEGIN 5' WIDE PAVED SIDEWALK
- PER CITY OF PUYALLUP ADD CLEANOUT  
IN 8" PERFORATED PIPE OF INTERCEPTOR  
TRENCH. MINIMUM SPACING BETWEEN  
STRUCTURES IS 100'.
- PROVIDE SMOOTH TRANSITION TO  
DRIVEWAY APPROACH (TYP)
- 24' WIDE ASPHALT PAVEMENT DRIVEWAY  
APPROACH WITH 10' RADIUS ON EACH SIDE.  
SEE DETAIL 2 ON SHEET OS2.
- 5' WIDE ASPHALT PAVED SIDEWALK  
PER DETAIL 2 SHEET OS1
- STA:13+82.00±, 25' (L)  
END 5' WIDE PAVED SIDEWALK.  
MEET AND MATCH EXISTING  
DRIVEWAY GRADES.
- PRIVATE STORM DRAINAGE EASEMENT  
RECORDED UNDER SHORT PLAT  
AMENDMENT PLSP20220104

1' THICK RIPRAP OUTFALL  
10'L x 7'W  
12" IE=430.15  
SEE DETAIL 1 ON SHEET OS2

27LF 12" SD @ 0.56%

Contractor to ensure no utility  
conflicts with  
storm line and  
septic service

CB#1.1 - TYPE 1  
SOLID LOCKING LID  
RIM=432.55±  
IE=430.30 (12" S,NE)

43LF 12" SD @ 0.58%

CB#2.1 - TYPE 1  
SOLID LOCKING LID  
RIM=434.65±  
IE=430.55 (12" N)  
IE=430.55 (8" PERF. E)  
TRENCH IE=430.05

145LF INTERCEPTOR TRENCH  
SLOPE TRENCH BOTTOM @ 0.51%  
PER DETAIL 3 ON SHEET OS1

147LF 8" PERF. SD  
@ 0.51%

CB#3.1 - TYPE 1  
SOLID LOCKING LID  
RIM=433.35±  
IE=431.30 (8" PERF. W)  
IE=431.30 (8" E)  
TRENCH IE=430.80

CB#4.1 - TYPE 1  
SOLID LOCKING LID  
RIM=433.35±  
IE=431.60 (8" PERF. E)  
IE=431.60 (8" W)  
TRENCH IE=431.10

CB#5.1 - TYPE 1  
SOLID LOCKING LID  
RIM=434.05±  
IE=432.30 (8" PERF. W)  
TRENCH IE=431.80

109LF INTERCEPTOR TRENCH  
SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

111LF 8" PERF. SD  
@ 0.63%

FINISH GRADE  
CONTOUR (TYP)

109LF INTERCEPTOR TRENCH  
SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

111LF 8" PERF. SD  
@ 0.63%

FINISH GRADE  
CONTOUR (TYP)

109LF INTERCEPTOR TRENCH  
SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

111LF 8" PERF. SD  
@ 0.63%

FINISH GRADE  
CONTOUR (TYP)

109LF INTERCEPTOR TRENCH  
SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

111LF 8" PERF. SD  
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FINISH GRADE  
CONTOUR (TYP)

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SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

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CONTOUR (TYP)

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PER DETAIL 3 ON SHEET OS1

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CONTOUR (TYP)

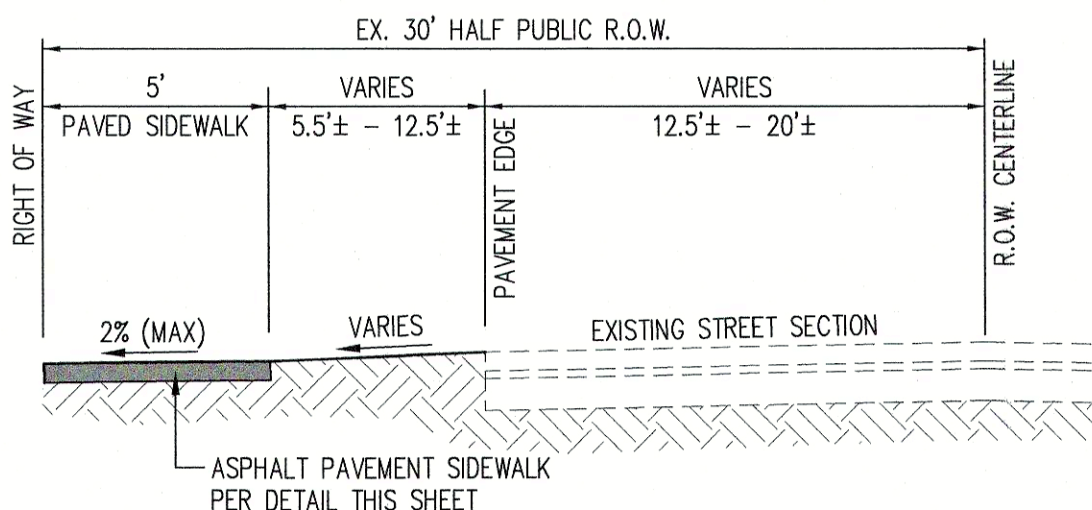
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SLOPE TRENCH BOTTOM @ 0.63%  
PER DETAIL 3 ON SHEET OS1

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FINISH GRADE  
CONTOUR (TYP)

CONSTRUCTION SEQUENCE

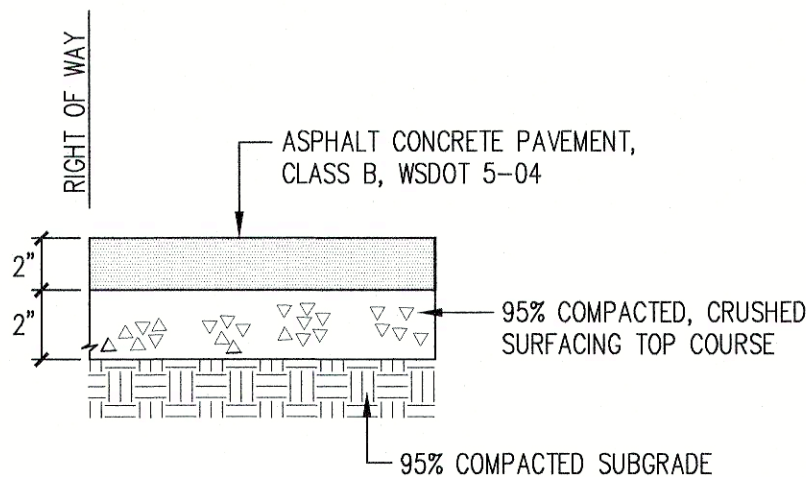
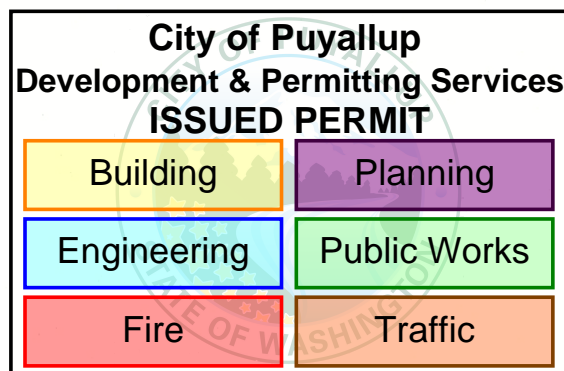
- THE CONTRACTOR IS TO REQUEST A PRE-CONSTRUCTION MEETING WITH THE CITY'S INSPECTOR.
- CLEARLY STAKE, FLAG OR FENCE CLEARING LIMITS/WORK AREA. NO WORK SHALL BE PERFORMED OUTSIDE THESE LIMITS WITHOUT PRIOR APPROVAL FROM THE CITY OF PUYALLUP.
- PRIOR TO STARTING SITE WORK, REQUEST AN INSPECTION FOR EROSION AND SEDIMENT CONTROL, BY USING THE CITYVIEW ONLINE PERMIT PORTAL FOR SCHEDULING. CONTRACTOR MUST BE A PORTAL USER TO REQUEST INSPECTIONS.
- PROVIDE SILT FENCING AS SHOWN ON THE APPROVED LOT 1 AND LOT 2 BUILDING PERMIT PLANS.
- CONSTRUCT INTERCEPTOR TRENCH AS SHOWN ON APPROVED PLANS.
- CONSTRUCT SIDEWALK AS SHOWN ON THE APPROVED PLANS.
- STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
- SEED, SOD, STABILIZE, OR COVER ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- REQUEST FINAL INSPECTIONS ONLINE. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMP'S IF APPROPRIATE.



NOTE

INSTALL ASPHALT PAVED SIDEWALK PER PLAN VIEW FINISH GRADES.  
RE-GRADE EXISTING SHOULDER TO PROVIDE SMOOTH TRANSITION FROM EXISTING  
PAVEMENT EDGE TO FRONT OF PROPOSED SIDEWALK.  
SIDEWALK SHALL BE INSTALLED AFTER ONSITE IMPROVEMENTS AND UTILITIES HAVE  
BEEN CONSTRUCTED. SEE APPROVED PUYALLUP DUPLEX - LOT 1 AND LOT 2 PLANS.

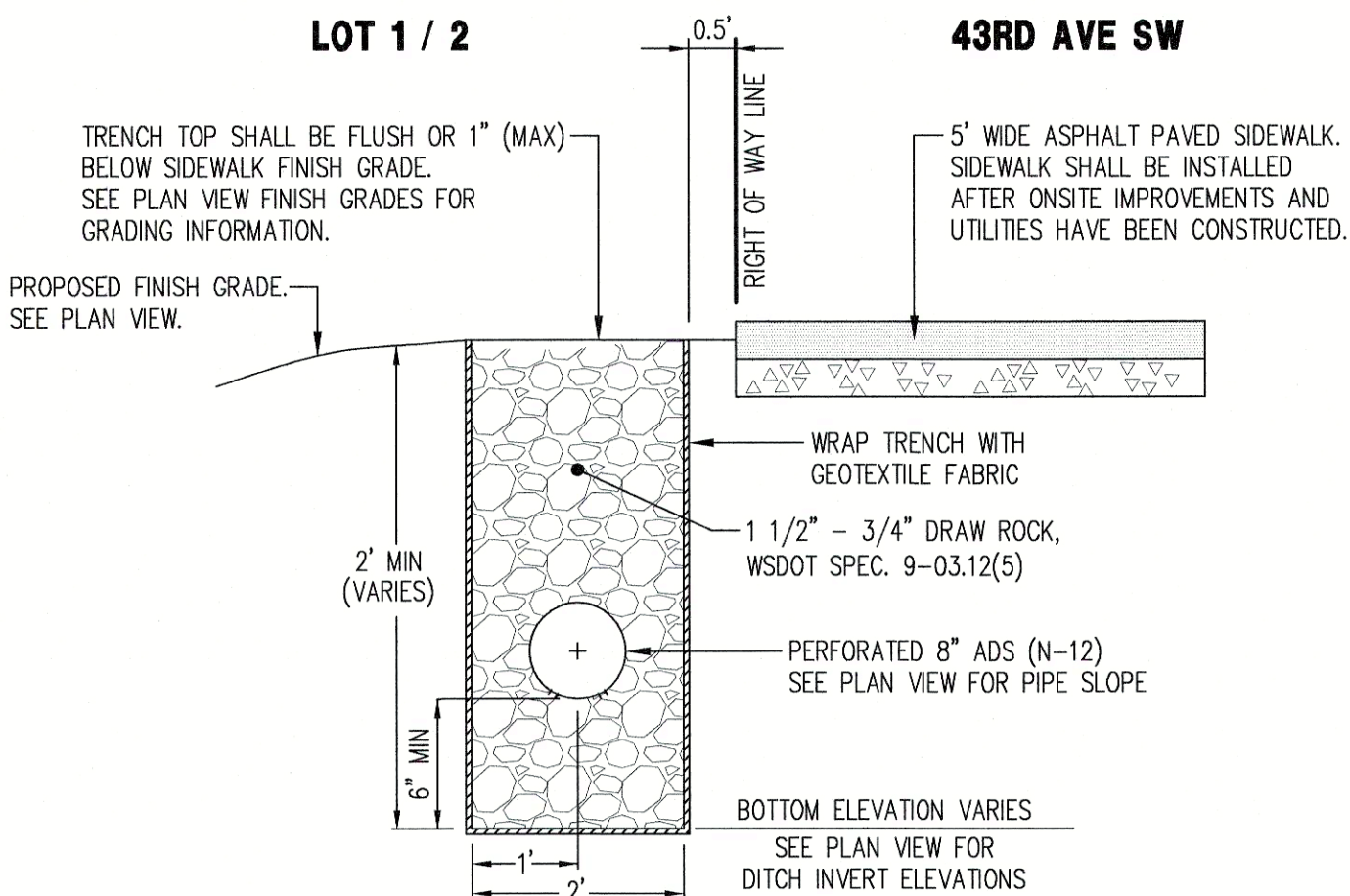
1 43RD AVENUE SW  
HALF-STREET FRONTAGE IMPROVEMENTS N.T.S.



NOTE

- DEPTHS ARE COMPACTED THICKNESS.

2 5' WIDE SIDEWALK SECTION N.T.S.



3 INTERCEPTOR TRENCH N.T.S.

EROSION CONTROL NOTE

EROSION CONTROL DETAILS AND NOTES ON SHEET OS2 ARE PROVIDED  
FOR REFERENCE ONLY. ALL APPROPRIATE TEMPORARY EROSION AND  
SEDIMENT CONTROL BMP'S WILL BE INSTALLED UNDER BUILDING  
PERMITS PRRNSF20230918 AND PRRNSF20230919, RESPECTIVELY.  
THEREFORE, NO ADDITIONAL EROSION CONTROL MEASURES ARE  
NECESSARY TO CONSTRUCT CIVIL PERMIT PRCCP20240014. HOWEVER,  
THE APPLICANT / CONTRACTOR SHALL ENSURE EROSION CONTROL  
BMP'S ARE STILL OPERATIONAL PRIOR TO BEGINNING CONSTRUCTION  
OF CIVIL PERMIT BY REQUESTING A SEDIMENT CONTROL AND EROSION  
INSPECTION WITH A CITY ENGINEERING INSPECTOR THROUGH THE  
CITYVIEW PORTAL AT LEAST 48 HOURS IN ADVANCE OF JOB START.

ALL METHODS OUTLINED IN THE APPROVED STORMWATER SITE PLAN  
DATED DECEMBER 2023 AND THE APPROVED STORMWATER POLLUTION  
PREVENTION PLAN DATED APRIL 2024 MUST BE FOLLOWED IN  
REGARDS TO EROSION AND SEDIMENTATION CONTROL.

STREET LIGHT INSTALLATION NOTE

SEE APPROVED PUYALLUP DUPLEX STREET LIGHTING PLANS (E1.1-E1.3)  
PREPARED BY BCE ENGINEERS, INC. FOR STREET LIGHT INSTALLATION  
INFORMATION.

GRADING QUANTITIES

CUT: 25 CY  
FILL: 25 CY  
NET: 0 CY  
NOTE: CONTRACTOR SHALL INDEPENDENTLY VERIFY THESE  
QUANTITIES. THEY ARE FOR PLANNING PURPOSES ONLY.

SHEET INDEX

OS1 PAVED SIDEWALK PLAN  
OS2 DETAILS & NOTES  
OS3 NOTES  
E1.1 ELECTRICAL SITE PLAN  
E1.2 STREET LIGHTING DETAILS  
E1.3 STREET LIGHTING DETAILS

CALL 48 HOURS  
BEFORE YOU DIG  
DIAL 811







PUYALLUP DUPLEX

A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SEC. 34, TWP. 20 N., RGE. 4 E., WILLAMETTE MERIDIAN, CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

APPROVED  
BY *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE 06/12/2024

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 CITY ENGINEER

PERMIT# PRCCP20240014

GENERAL NOTES

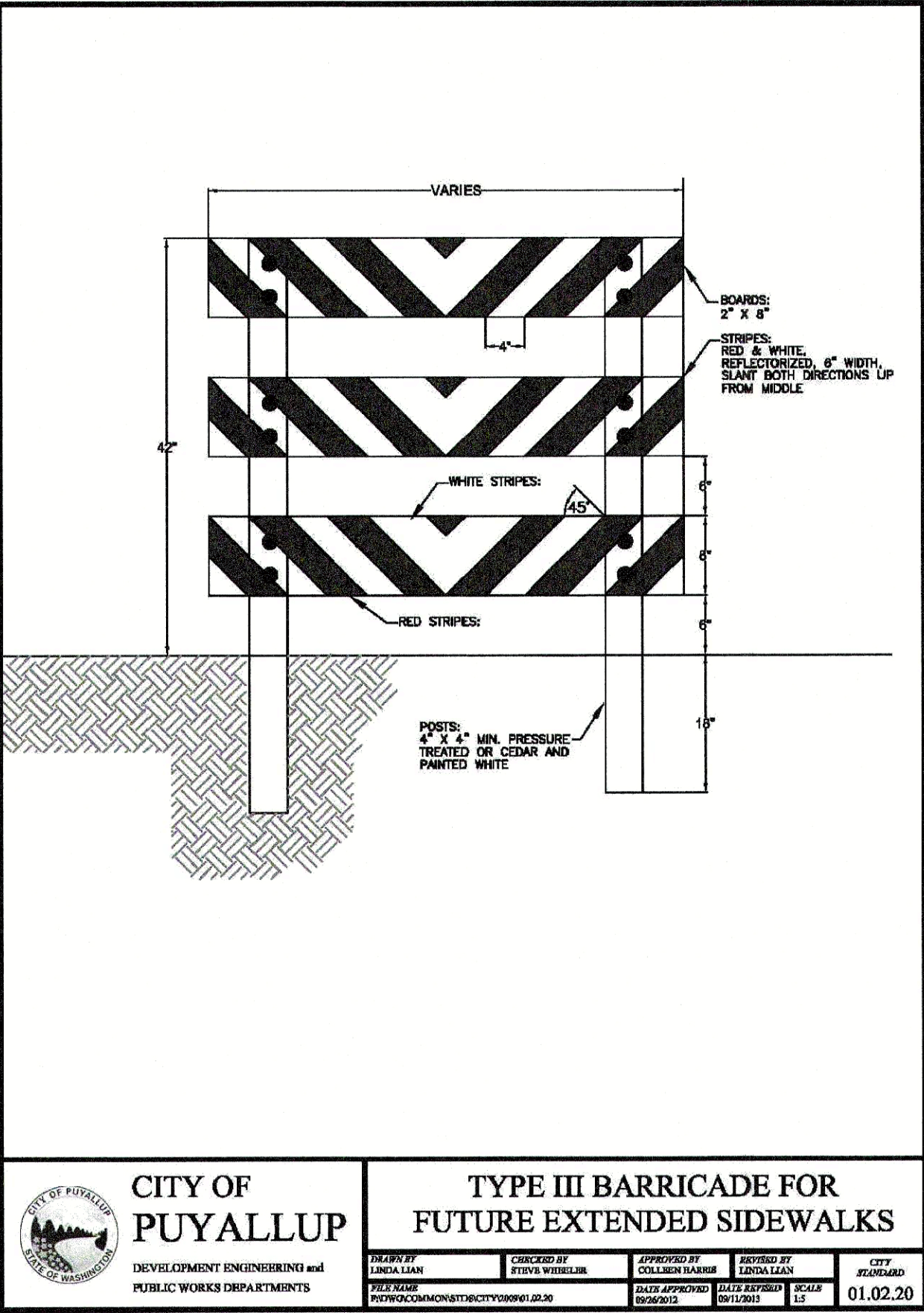
- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT 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.
- 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.
- 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").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 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.
- 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.
- ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 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.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- 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.
- 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.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- 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.
- 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

- 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 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.
- 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.
- 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").
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- 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.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 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.
- CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
- 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.
- 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.
- 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) 341-8371 FOR LATER INSTALLATION BY THE CITY. ALL SIGNAGE SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 341-8371 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
- 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.

STORMWATER NOTES

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- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- 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.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.02.
- 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.
- 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.
- 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).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
  - THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
  - 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.
  - 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.
  - DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
  - 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, 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.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
- 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.



C.E.S. NW INC.  
CIVIL ENGINEERING & SURVEYING  
429 - 29TH ST. NE, SUITE D  
PUYALLUP, WA 98372  
PH: (253) 846-4292  
ceservices@cesnwi.com

PUYALLUP DUPLEX  
NOTES  
HC HOMES INC.  
P.O. BOX 7707, BONNEY LAKE, WA 98391

Designed: ENO  
Drawn: MRL  
Checked: ENO  
Scale: N/A  
Date: 4/30/2024  
Job No.: 20069

Sheet No.:  
053  
3 of 3 Sheets

CALL 48 HOURS  
BEFORE YOU DIG  
DIAL 811



**SITE ADDRESS**  
409 AND 433 43RD AVE SW  
PUYALLUP, WA 98373

**OWNER**  
HC HOMES INC.  
20921 SNAG ISLAND DR.  
LAKE TAPPS, WA, 98391

**PARCEL NUMBER**  
LOT 1 - 0419095003  
LOT 2 - 0419095022

**LEGAL DESCRIPTION**  
LOT 1 - 0419095003  
LOT 1, CITY OF PUYALLUP SHORT PLAT AMENDMENT NO. PLSHP20220104, ACCORDING TO MAP RECORDED UNDER AUDITOR'S FILE NO. 202405015003, RECORDS OF PIERCE COUNTY WASHINGTON; SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON.

LOT 2 - 0419095022  
RESULTANT PARCEL 'A' OF CITY OF PUYALLUP BOUNDARY LINE ADJUSTMENT NO. PLBDJ20220164 ACCORDING TO MAP RECORDED UNDER AUDITOR'S FILE NO. 202405015004, RECORDS OF PIERCE COUNTY WASHINGTON; SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON

**UTILITIES**

WATER: FRUITLAND WATER  
SEWER: SEPTIC  
POWER: PUGET SOUND ENERGY  
GAS: PUGET SOUND ENERGY  
COMMUNICATIONS: COMCAST / LUMEN

**PUYALLUP DUPLEX**  
A PORTION OF THE NW 1/4 OF THE NW 1/4 OF SEC. 34, TWP. 20N., RGE. 4 E., WILLAMETTE MERIDIAN, CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

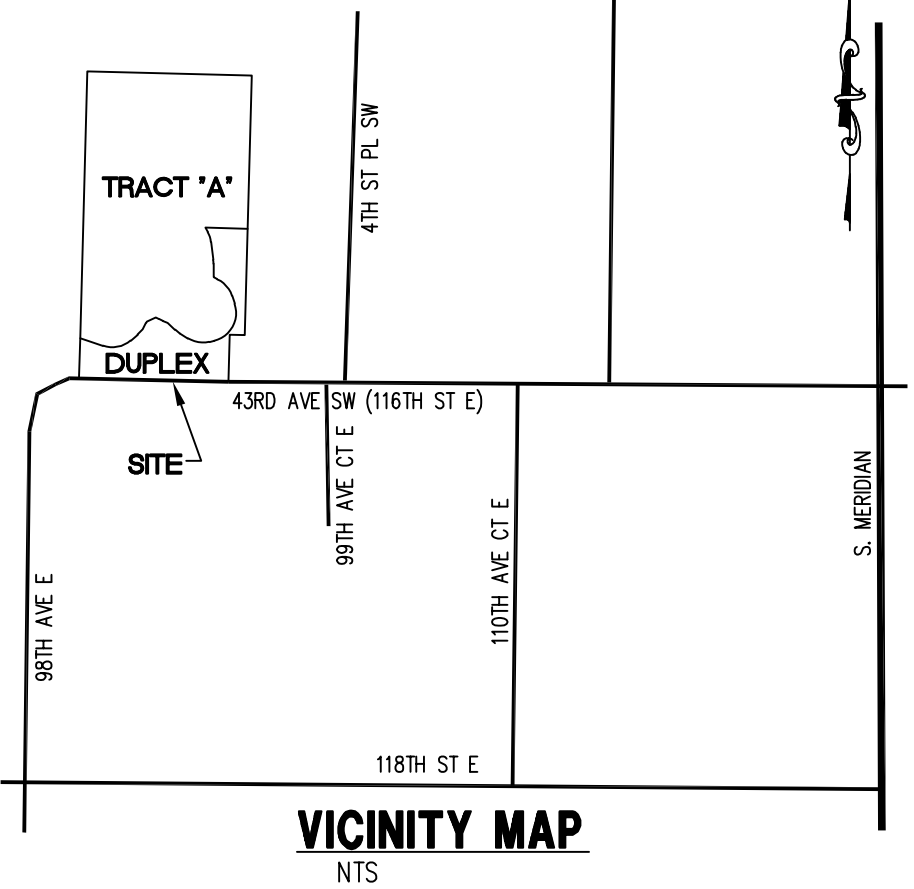
Fire

Traffic

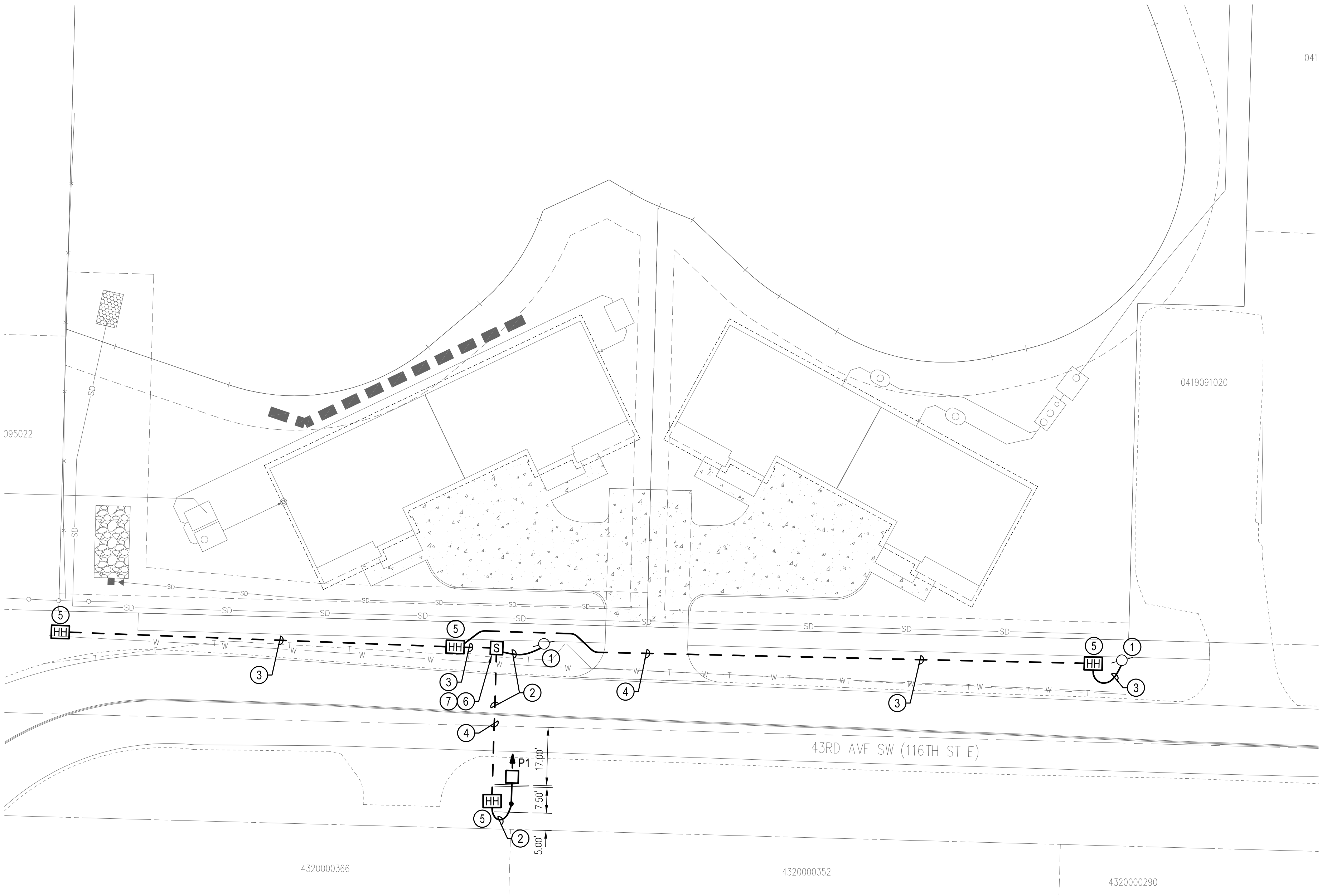
**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06/12/2024

**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 CITY ENGINEER

PERMIT# PRCCP20240014



LEGEND		
EXISTING	DESCRIPTION	PROPOSED
---	CENTER LINE	---
---	PROPERTY LINE	---
---	RIGHT OF WAY LINE	---
---	EASEMENT LINE	---
---	BUILDING SETBACK LINE	---
---	CHAIN LINK FENCE	---
---	WOOD FENCE	---
---	EDGE OF PAVEMENT	---
---	CONTOURS	---
---	STREET SIGN	---
---	STORM DRAIN CATCH BASIN	■
---	STORM DRAIN CLEANOUT	●
---	STORM DRAIN LINE	SD
---	ROOF DRAIN LINE	RD
---	FIRE HYDRANT	---
---	WATER VALVE	---
---	WATER METER	---
---	THRUST BLOCKING	---
---	WATER MAIN	W
---	LUMINAIRE	---
---	OVER HEAD POWER	---
---	POWER/UTILITY POLE	---
---	GUY WIRE	---
---	POWER VAULT	---
---	GAS MAIN	---
---	GAS VALVE	---
---	TELEPHONE LINE	---
---	TELEPHONE RISER	---
---	MAIL BOX	---
---	ASPHALT CONCRETE	---
---	CEMENT CONCRETE	---



## 1 ELECTRICAL SITE PLAN

SCALE: 1" = 20'

### CITY 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 253.405.4390 PRIOR TO CONSTRUCTION.
- 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.
- 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.
- ALL CONDUIT SHALL BE INSTALLED 24" BELOW GRADE PER CITY OF PUYALLUP STANDARDS.

### CONSTRUCTION NOTES

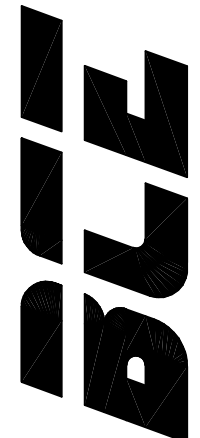
- APPROXIMATE LOCATION OF EXISTING POWER POLE WITH OVERHEAD LINES.
- PROVIDE (1) 2" PVC SCHEDULE 40 CONDUIT WITH (2) #8 CU & (1) #8 CU GND.
- PROVIDE (1) 2" PVC SCHEDULE 40 CONDUIT WITH PULLSTRING.
- PROVIDE SCHEDULE 80 CONDUIT AT ROADWAY CROSSINGS.
- PROVIDE TYPE 1 JUNCTION BOX WITH SLIP RESISTANT COATING PER CITY OF PUYALLUP STANDARDS. PROVIDE A 6" THICK AND 6" WIDE CONCRETE COLLAR COMPLETELY AROUND THE JUNCTION BOX.
- PROVIDE NEW STREET LIGHTING SERVICE CABINET PER CITY OF PUYALLUP STANDARDS. COORDINATE WITH CITY OF PUYALLUP TRAFFIC ENGINEER PRIOR TO ORDERING AND INSTALLATION.
- PROVIDE CT'S AND METERING PER PSE STANDARDS. COORDINATE WITH PSE AS REQUIRED.

## ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
---	STREET LIGHT POLE FIXTURE (ARROW INDICATES DIRECTION OF AIMING FOR OPTICS). SEE STREET LIGHT POLE DETAILS ON SHEETS E1.2 & E1.3.
---	CONDUIT STUB OUT (PROVIDE CONCRETE MARKER ON EXTERIOR)
---	DEDICATED CONDUIT HOMERUN TO PANEL & CIRCUIT NUMBERS AS INDICATED ON PLANS
---	RACEWAY CONCEALED IN WALL OR CEILING
---	RACEWAY CONCEALED UNDERGROUND OR UNDER FLOOR SLAB
---	MARKS INDICATE NUMBER OF #12 AWG UNLESS NOTED OTHERWISE
---	GROUNDING CONDUCTOR
---	CONSTRUCTION NOTES
---	HANDHOLE
---	STREET LIGHTING SERVICE CABINET

## LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	LAMPS	VOLTS WATTS
P1	FIXTURE: LEOTEK LED GC1-40E-MV-NW-2-530	LED 7,200 LUMENS	120-277V 67W
NOTE: 1. FIXTURE HEADS ARE MOUNTED AT 30' AFG. 2. FIXTURES AS SPECIFIED ARE A TYPE 2 DISTRIBUTION. 3. PROVIDE WITH PHOTOCCELL.			



bce engineers, inc.  
p: (253) 922-0446  
f: (253) 922-0886  
6021 12th street east, suite 200, fife, wa 98424



05/09/2024

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PUYALLUP DUPLEX  
STREET LIGHTING

433 & 409 43RD AV SW  
PUYALLUP, WA 98373

ELECTRICAL SITE PLAN

REVISIONS		
NO.	DESCRIPTION	DATE
DRAWN BY: AS		
CHECKED BY: BH		
PROJECT MANAGER: AS		

DRAWING No. 1 of 3 TOTAL

E1.1

DATE: 05/08/2024  
SUBMITTAL: PERMIT  
PROJECT No. 223-328



## STREET LIGHTING SPECIFICATIONS

1. 30-FOOT STEEL STREETLIGHT STANDARD
  - a. 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 1 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.
  - b. STRENGTH
 

POLES SHALL MEET ALL STRENGTH REQUIREMENTS OF ASHITO FOR 80 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.
  - c. FINISH
 

THE POLES AND ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED, MINIMUM 3 MIL THICKNESS.
  - d. MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
  - e. EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
  - f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.
2. ANCHORAGE
  - a. POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"x3/6"x4" #8UNC WITH HOT DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.
  - b. A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.
3. 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

<small>DESIGNED BY</small> LINDA LUND	<small>CHECKED BY</small> ANDREA GORDON	<small>APPROVED BY</small> CANDACE WARD	<small>REVIEWED BY</small> LINDA LUND	<small>CITY STANDARD</small>
<small>DRAWN BY</small> TRACY COOPER	<small>DATE APPROVED</small> 01/05/2011	<small>DATE REVIEWED</small> 01/05/2011	<small>BY</small> LJ	<b>01.05.01</b>

## (STR LIGHT SPECS CONTINUED)

### 4. JUNCTION BOXES (WHEN REQUIRED)

JUNCTION BOXES SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS. THEY WILL CONFORM TO INSOT STANDARD PLAN J-40.10-10. TYPE 1. THEY SHALL BE LEVEL WITH THE SIDEWALK GRADE AND FIRMLY DEWED TO PREVENT FUTURE SETTLING. JUNCTION BOXES ARE PREFERRED NOT TO BE INSTALLED IN THE SIDEWALK. THE COVER SHALL BE GALVANIZED AND GROUND. THE LETTERS "J" 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).

### 5. 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 EQUIV. 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 LOG ON EACH POLE. FEEDERS SHALL BE SIZED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. WIRES INSIDE THE POLE BETWEEN BALLAST AND IN-LINE FUSES SHALL BE ROME 2C AND 10 STRANDED POLE AND BRACKET WIRE OR APPROVED EQUAL. SPICES WILL BE ALLOWED IN JUNCTION BOXES AND POLE BASES ONLY. NO MORE THAN 2 CONDUITS WILL BE ALLOWED INSIDE THE STREET POLE.

### 6. FUSES

LUMINAIRE FUSING AND ELECTRICAL CONNECTIONS AT LIGHT STANDARD BASES. CONFORM TO SECTION 9-23.7 OF THE CITY OF WASHINGTON STANDARD SPECIFICATIONS AND AS SHOWN ON THE UNIFORM LUMINAIRE WIRING DETAIL IN THE APPENDIX. IN-LINE FUSE HOLDERS SHALL BE SEC MODEL 1791-SF WITH PM-5 FUSES OR APPROVED EQUAL. (REFER TO CITY STANDARD DETAIL NO. 01.06.01)

### 7. LUMINAIRES AND LAMPS

#### RESIDENTIAL STREETS AND NEIGHBORHOOD COLLECTORS:

LEOTEK LED GC1-40E-MW-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 AFTER THE STREET AT THE DEVELOPER'S REQUEST. STREET LIGHTS MAY BE ENERGIZED PRIOR TO OCCUPANCY OF HOMES. HOWEVER, THE DEVELOPER OR BUILDER SHALL ASSUME FULL RESPONSIBILITY FOR ELECTRICAL POWER COSTS AND REPAIR COSTS DUE TO VANDALISM, THEFT, OR CONSTRUCTION.

### 8. SAFE WIRING LABELS

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

### 9. GUARANTEE

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.

### 10. LOCATION

SEE CITY STANDARD SECTION 01.01 ROADWAY DESIGN.

## CITY OF PUYALLUP

DEVELOPMENT ENGINEERING AND  
PUBLIC WORKS DEPARTMENTS

## STREET LIGHT SPECIFICATIONS (CONT.)

PERMIT NO.	ISSUED BY DATE	CHECKED BY DATE	APPROVED BY DATE	REVIEWED BY DATE	CITY STANDARD
2024-0001	2024-01-01	2024-01-01	2024-01-01	2024-01-01	01.05.02

**NOTES:**

1. A METER SERVICE DISCONNECT IS REQUIRED FOR EACH BRANCH CIRCUIT. SEE CITY STANDARD DETAIL NO. 01.05.05
2. INSTALLATION SHALL CONFORM TO NATIONAL ELECTRICAL CODE, WISDOT, AND CITY STANDARDS.
3. PHASING TAPE IS NOT ALLOWED.
4. ALL WIRES SHALL BE INSTALLED IN CONDUIT AS SPECIFIED ABOVE.
5. ALL SPLICES SHALL BE MADE IN A JUNCTION BOX WIRE NUTS WILL NOT BE ALLOWED. SPLICES SHALL BE CENTERED AND ENCASED IN 3M SCOTCHCAST EPOXY KIT TYPE 82-A1, 82-B1, OR CITY APPROVED EQUIV. OTHER GEL TAP SPLICE NUTS AND DIRECT BURIAL AND SUBMERSIBLE SPLICES TO BE ALLOWED IF APPROVED BY THE CITY.
6. GROUND ROD COULD BE UTILITY VAULT #9WB-924 OR APPROVED EQUIVALENT.

**IN-LINE FUSED WATER TIGHT ELECTRICAL DISCONNECT SEE CITY STANDARD DETAIL NO. 01.05.02 NOTE #6**

**SERVICE, SEE CITY STANDARD DETAIL NO. 01.05.05 & 01.06.05**

**POWER COMPANY TRANSFORMER**

**GROUND WIRE**

**2 EACH GROUNDING RODS 6 FEET APART (TYP.) WITH COVERS SEE CITY STANDARD DETAIL NO. 01.05.05**

**HAND HOLD**

**EQUIPMENT GROUND FROM SERVICE TO EACH POLE**

**JUNCTION BOX SEE CITY STANDARD DETAIL NO. 01.06.01**

**WATERPROOF SPLICE, 18" MIN. SLACK WIRE**

**J-BOX TO LIGHT POLE CONDUIT SHALL BE A MINIMUM OF 1.25"**

**CONDUCTORS SHALL BE TYPE USE (XLP) INSULATED, STRANDED, COPPER, #6 A.W.C. MINIMUM SIZE.**

**2" (MIN.) SCH. 40 P.V.C. CONDUIT USE BELL END OR BUSHINGS ON ALL CONDUITS. SCH. 80 PVC FOR UNDER ROADWAY CROSSINGS.**

**SEE CITY STANDARD DETAIL NO. 01.05.02 FOR LUMINAIRE SPECIFICATION**

**ARM END WIRE SUPPORT, SEE CITY STANDARD DETAIL NO. 01.05.07**

SEE DETAIL 01.05.07

3 BOLT MAST ARM ATTACHMENT

FIXTURE SHALL HAVE SHORTING CAP INSTALLED

12' MIN.

LUMINAIRE SHALL OVERHANG FACE OF CURB 3' MIN.

30'

FOR LUMINAIRES AND LAMPS TYPE SEE CITY STANDARD DETAIL NO. 01.05.02 NOTE #7

REMOVABLE POLE CAP

270°

45°

ANCHOR BOLT

LUMINAIRE ARM

ALL ANGLES MEASURED CLOCKWISE FROM HAND-HOLE AS VIEWED FROM SMALL END OF POLE

HANDHOLE

HANDHOLE, LUMINAIRE ARM, RADIAL INDEX

4"-6" BLACK LETTER "C" ON ROADWAY SIDE 15' ABOVE GRADE SEE CITY STANDARD NO. 01.05.01

HANDHOLE W/COVER

24" MIN.

3' MIN.

PLANTING STRIP VARIES

SIDEWALK WIDTH VARIES

FOUNDATION PER CITY STANDARD DETAIL NO. 01.05.06

NOTE:

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF THE STREET LIGHT SYSTEM WITH ALL UTILITIES, PRIVATE AND PUBLIC, TO AVOID SCHEDULE AND LOCATION CONFLICTS.
- FOR RESIDENTIAL STREET LIGHTING THE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ONE METER FOR THE PLANT'S LIGHTING SYSTEM PER PUEBT SOUND ENERGY REQUIREMENTS. ON VERY LARGE PLANT'S PUEBT SOUND ENERGY MAY REQUIRE MORE THAN ONE METER.
- LUMINAIRE TO BE FLAT LENS GLASS WITH CUT OFF, 150W FOR SIGNALIZED INTERSECTIONS, 150W OR 200W FOR COMMERCIAL AREA AND 100W FOR RESIDENTIAL.

**GROUND ROD COVERS UTILITY VAULT #9VB-924 OR APPROVED EQUIVALENT**

**WIRING DIAGRAM**

Notes:

- CONTRACTOR IS TO VERIFY THAT DETAIL SPECIFICATIONS AND EQUIPMENT LOCATIONS MEET WITH SERVING UTILITIES' AND CITY OF PUYALLUP ENGINEERING REQUIREMENTS.
- EXPANSION ANCHOR BOLTS (WING-BOLT OR EQUAL) MAY BE USED TO MOUNT CABINET IN LIEU OF EMBEDDED BOLTS.
- TESCO SERVICE CABINET CATALOG #26-000, SKYLINE SERVICE CABINET SERIES 47700-P1.
- GROUND ROD COVER SHALL BE UTILITY VAULT #9VB-924 OR APPROVED EQUIVALENT.
- SEAL CABINET WITH SILICON SEALANT, PLACE SEALANT ON PEDestal AND SET CABINETS ONTO SEALANT. REMOVE EXCESS SEALANT.

**Side Elevation:**

- CONC. CAP AT SURFACE (TYP.)
- 6"
- 8" COPPER CLAD GROUND RODS WITH GROUND CLAMP
- GROUNDING SHALL MEET N.E.C.
- GROUNDING
- LANDING LUGS #8-25MCM AL/CU
- HOOD OPEN COVER REMOVED
- LEFT SIDE

**Front View:**

- 12.5"
- 1'-8"
- METER SOCKET (100 AMP MIN.) FACTORY WIRED FROM LINE LANDING LUGS TO METER SOCKET IN SEPARATE WIREWAY
- UNDERGROUND TERMINATION SECTION
- REMOVABLE SIGHTTIGHT SEALABLE COVER
- 1/2" DRAIN TUBE
- SEAL BASE WITH SILICONE
- LOAD CONDUIT(S)
- 3" SERVICE CONDUIT 3" MAXIMUM SIZE
- CONCRETE FOUNDATION
- FINISHED GRADE
- 12" MIN. ABOVE GRADE
- 4" ANCHOR BOLTS 5/8"-18"x4"
- 2" MIN.
- 2'-10" MIN.
- LEFT SIDE

**Base Plan:**

- 1'-8"
- 1'-6"
- 12" MIN.
- 1/2" DRAIN HOLE/TUBE
- CONCRETE
- BASE PLAN

**Wiring Diagram Details:**

- METERING DA 522
- TEST BLOCKS
- MAIN DISCONNECT 50/1
- 15/1
- 20/1
- 19/1
- 120/240 VOLT 1 PH. 3 WIRE SERVICE
- SIGNAL
- CONTROL
- LIGHTING 1
- LIGHTING 2
- ILLUMINATED SIGN
- INTERNAL PHOTOCELL
- AUTO
- TEST

**Legend:**

- GROUNDING SHALL BE PER NATIONAL ELECTRICAL CODE

**THIS DRAWING IS FOR TESCO SVC CABINET. OTHER MFG SVC CABINET DIMENSIONS WILL BE DIFFERENT**

2" MIN. FOR 30" STEEL STREETLIGHT STANDARD  
30" MIN. FOR DECORATIVE TYPE #37 UNION METAL POLE BASE

Diagram of the top view of the foundation. It shows a square base with a central circular area for the anchor bolt. Dimensions include 65" REQ'D for the overall width, 45" REQ'D for the central circle, and 2" MIN. for the outer edge. Components labeled include: TOOL FINISH EDGES, 1" x 36" x 4" ANCHOR BOLT, NO. 4 REBAR VERTICALS, NO. 4 REBAR HOOPS, and 1-1/4" PVC-40 CONDUIT (6"-8" ABOVE BASE).

Diagram of the side view of the foundation. It shows a vertical cross-section with dimensions including 5" MIN. FOR ROUND BASE, 4"-6" for the top section, 2" MIN. for the base, and 2'-6" MIN. for the overall height. Components labeled include: STANDARD BASE, LEVELING NUTS, WASHERS (NO SHIMS), GROUT WITH 1/2" WEEP HOLE, DIRT LINE, SEE NOTE BELOW, CLASS 5 (1 1/2) CONCRETE, 1-1/4" PVC-40 CONDUIT (2 EACH) EXTENDED 6"-8" ABOVE BASE, 1" x 36" x 4" ANCHOR BOLT, NO. 4 REBAR VERTICALS (4) (CASE SHALL NOT TOUCH FOUNDATION HOLE SIDES OR BOTTOM), and NO. 4 REBAR HOOPS (4-16" O.C.).

**NOTE:**

1. CONTRACTOR IS TO VERIFY THAT DETAIL SPECIFICATIONS AND EQUIPMENT LOCATIONS MEET WITH SERVING UTILITY AND CITY OF PUYALLUP ENGINEERING REQUIREMENTS.
2. FOUNDATION TO BE 30" ROUND. TOP 5-1/2" OF FOUNDATION WILL BE 24" SQUARE.

TEMPLATE FOR ANCHOR BOLT CIRCLE WILL BE A SINGLE PIECE OF 3/4" PLYWOOD WITH 4 BOLT HOLES TO FORM A BOLT CIRCLE OF 11-1/2" TO MATCH POLE MANUFACTURER'S BASE DESIGN.

LOWER LEVELING NUTS SHOULD BE CLOSE TO CONCRETE (ABOUT 1") TO PREVENT EXCESSIVE STRESSES IN THE ANCHOR BOLTS CAUSED BY TORSIONAL FORCES IN THE POLE. ANCHOR BOLTS WILL EXTEND ABOVE TOP NUT, 2 THREADS MINIMUM AND 5/8" MAXIMUM.

Logo of the City of Puyallup, Washington, featuring a stylized landscape with a tree, water, and mountains, surrounded by the text "CITY OF PUYALLUP WASHINGTON" and "1955".

**CITY OF  
PUYALLUP**

DEVELOPMENT ENGINEERING AND  
PUBLIC WORKS DEPARTMENTS

**CONCRETE STREETLIGHT  
FOUNDATION TYPICAL**

DESIGNED BY  
LINDA LUND

CHECKED BY  
COURTNEY HARRIS

APPROVED BY  
CITY ENGINEER

REVISION #1  
DATE

CITY  
STANDARD

01.05.06

**APPROVED**  
BY *Charles Hulse*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE 06/12/2024  
**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 CITY  
ENGINEER

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graph TD
    A[ISSUED PERMIT] --- B[Building]
    A --- C[Planning]
    A --- D[Engineering]
    A --- E[Public Works]
    A --- F[Fire]
    A --- G[Traffic]
  
```

bce engineers, inc.  
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6021 12th street east, suite 200, fife, wa 98424

**bce**



05/09/2024

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**PUYALLUP DUPLEX  
STREET LIGHTING**

433 & 409 43RD AV SW  
PUYALLUP, WA 98373

CITY OF PUYALUP  
STREET LIGHTING DETAILS

REVISIONS		
NO.	DESCRIPTION	DATE
-	-	-

DRAWN BY:	AS
CHECKED BY:	BH
PROJECT MANAGER:	AS

DRAWING No. 2 of 3 TOTAL

## E1.2

DATE: 05/08/2024  
SUBMITTAL: PERMIT  
PROJECT No. 223-328



