#### **GENERAL SITE DEVELOPMENT NOTES:**

THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.

- CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWING PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. TEBALDI ENGINEERING, LLC ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT TEBALDI ENGINEERING, LLC, TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO NOTIFY THE PROJECT ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE PROJECT ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- INSPECTION OF SITE WORK WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE AUTHORITY HAVING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR OF THE AUTHORITY HAVING JURISDICTION 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). CONTRACTOR SHALL PROVIDE 72 HRS MIN. ADVANCE NOTIFICATION TO OWNER, FIELD ENGINEER AND ENGINEER OF PRE-CONSTRUCTION MEETINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS. OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEANS AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER ENTITY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE FOUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
- O. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATIONAL WITHIN THE CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON
- 1. STRUCTURAL BMPs MUST BE ACCESSIBLE FOR INSPECTION BY THE AUTHORITY HAVING JURISDICTION DURING REGULAR BUSINESS HOURS.
- 12. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO TEBALDI ENGINEERING, LLC AT COMPLETION OF PROJECT.

#### **SOILS REPORT NOTES:**

EX. PROPERTY LINE -

EX. BUILDING —

THE FOLLOWING SOILS REPORT FOR THE SITE SHALL BE CONSIDERED PART OF THESE CONSTRUCTION DOCUMENTS:

GEOTECHNICAL SOIL OBSERVATION REPORT PREPARED BY LEROY SURVEYORS AND ENGINEERS DATED MARCH 5, 2021.

- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT ALL PROVISIONS OF THE SOILS REPORT FOR THE SITE BE OBSERVED AND COMPLIED WITH DURING ALL PHASES OF CONSTRUCTION.
- ANY PROVISIONS OF THE SOILS REPORT WHICH CONFLICT WITH INFORMATION SHOWN ON THESE DRAWINGS, OR WHICH REQUIRE FURTHER CLARIFICATION, SHALL BE BROUGHT TO THE ATTENTION OF TEBALDI ENGINEERING, LLC.
  - A REPRESENTATIVE OF THE SOILS ENGINEER SHALL BE AVAILABLE TO OBSERVE AND APPROVE THE EARTHWORK OPERATIONS AND TO VERIFY FIELD CONDITIONS AS WORK PROCEEDS.

### **BENCHMARK:**

VERTICAL DATUM: NAVD88

REC. NO. 20160728900015.

## LEGAL DESCRIPTION:

BASIS OF BEARING:

SEE RECORD OF SURVEY UNDER

BASIS OF BEARINGS: N 01°19'57" E

ALONG THE CENTERLINE OF 32nd AVE S

MONUMENTS AND TIES TO MONUMENTS.

BASED ON THE GPS OBSERVATION OF EXISTING

PER QUIT CLAIM DEED RECORDED UNDER AUDITOR'S FILE NUMBER 20160615000759, RECORDS OF KING COUNTY, WASHINGTON.

NORTH 15 FEET OF LOT 10 AND ALL OF LOT 11, TURNER BELL ADDITION, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 40 OF PLATS, PAGE 19, RECORDS OF KING COUNTY, WASHINGTON.

#### Call before you dig. **Dial 811** (1-800-424-5555)

EXISTING TOPOGRAPHY/SURVEY INFORMATION NOTE: THESE DRAWINGS HAVE BEEN PREPARED BASED ON TOPOGRAPHIC SURVEY PREPARED BY LEROY SURVEYORS AND ENGINEERS.

TEBALDI ENGINEERING, LLC DOES NOT WARRANT THAT THE TOPOGRAPHY SHOWN ON THESE DRAWINGS IS REPRESENTATIVE OF WHAT IS CONSTRUCTED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER TO HAVE ALL IMPROVEMENTS FIELD VERIFIED PRIOR TO CONSTRUCTION. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO WORK.

#### **RECORD DRAWING NOTE:**

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.



A PORTION OF SECTION 10, TOWNSHIP 19N, RANGE 4E, W.M., PIERCE COUNTY

COPPERBERRY CONDOMINIUMS

**COVER SHEET** 

9TH STREET PLACE SE

#### SITE DATA:

ADDRESS:

4002, 4010 AND 4018 10TH STREET SE PUYALLUP, WA 98374

SOUTH BUILDING

EX. R/W LINE

4389000160, -0170, -0180

10TH STREET SE

#### PROJECT AREA SUMMARY:

TOTAL SITE AREA = 37,501 SF TOTAL DISTURBED AREA = 31,124 SF NORTH BUILDING ROOF AREA=5,739 SF SOUTH BUILDING ROOF AREA=6,343 SF PROPOSED DRIVEWAY=8,259 SF PROPOSED WALKWAY=3,037 SF TOTAL PROPOSED IMP. AREA=23,378 SF TOTAL PROPOSED PERVIOUS AREA=7,746 SF

#### **GRADING QUANTITIES**

200 CY 1,400 CY CUT/FILL BALANCE: 200 CY 1,200 CY IMPORT NET IMPORT/EXPORT:

EARTHWORK QUANTITIES ARE APPROXIMATE. CONTRACTOR TO VERIFY EARTHWORK QUANTITIES PRIOR TO CONSTRUCTION.

#### **CIVIL SHEET INDEX:**

COVER SHEET

TESC PLAN

NORTH BUILDING

GRADING PLAN STORM DRAINAGE PLAN

-EX. PROPERTY LINE

SANITARY SEWER PLAN

NOTES AND DETAILS

WATER PLAN

STREET LIGHT PLANS

#### TOPOGRAPHIC SURVEY

CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR OBTAINING PERMITS FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES FOR REMOVING AND REPLACING ALL SURVEY MONUMENTATION THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITY, PURSUANT TO WAC 332-120. APPLICATIONS MUST BE COMPLETED BY A REGISTERED LAND SURVEYOR. APPLICATIONS FOR PERMITS TO REMOVE MONUMENTS MAY BE OBTAINED FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, OR BY CONTACTING THEIR OFFICE BY TELEPHONE AT (206) 902-1190.

WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES PUBLIC LAND SURVEY OFFICE

1111 WASHINGTON STREET S.E. P.O. BOX 47060

OLYMPIA, WASHINGTON 98504-7060

UPON COMPLETION OF CONSTRUCTION, ALL MONUMENTS DISPLACED, REMOVED, OR DESTROYED SHALL BE REPLACED BY A REGISTERED LAND SURVEYOR, AT THE COST AND AT THE DIRECTION OF THE CONTRACTOR, PURSUANT TO THESE REGULATIONS. THE APPROPRIATE FORMS FOR REPLACEMENT OF SAID MONUMENTATION SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL HAVE ALL PROPERTY LINES, CURB, SIDEWALK, STRUCTURES. CONCRETE PADS AND ANY OTHER ABOVE GROUND PERMANENT STRUCTURE DEPICTED ON THESE PLANS STAKED FOR CONSTRUCTION BY A LICENSED SURVEYOR. LICENSED SURVEYOR SHALL STAKE ALL ITEMS USING COORDINATE GEOMETRY (RECTIFIED TO SITE CONTROL) CONTAINED IN CAD DRAWING FILES PROVIDED BY TEBALDI ENGINEERING, LLĆ. IT IS THE CONTRACTORS RESPONSIBILITY TO RETRIEVE LATEST CAD FILES FROM THE ENGINEER REFLECTING ANY ISSUED PLAN REVISIONS. THE ENGINEER SHALL IMMEDIATELY BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

#### UTILITY CONFLICT NOTE:

EX. PROPERTY LINE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY TEBALDI ENGINEERING, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

FIRE HYDRANT/FDC

LOCATION/ACCESS APPROVED

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

OFFICIAL

### **APPROVED**

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE

RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

**ENGINEER** TEBALDI ENGINEERING, LLC

CONTACT: GABE SPRUELL

P.O. BOX 121 SUMNER, WA 98390 PHONE: (206) 450-5096 EMAIL: CHRIS@TEBALDIENGINEERING.COM

## CONTACT: CHRIS TEBALDI, P.E.

PUYALLUP, WA 98371

**UTILITIES**:

4001 9TH ST SW

PUYALLUP, WA 98373 PHONE: (253) 848-5519

FRUITLAND MUTUAL WATER COMPANY

WATER:

SEWER:

CITY OF PUYALLUP

PUYALLUP, WA 98371 (253) 841-4321

PHONE (800) 266-2278

PUGET SOUND ENERGY

PUGET SOUND ENERGY

PHONE (888) 321-7779

**TELEPHONE** 

PHONE (866) 415-2950

**ARCHITECT** PACIFIC HOME SOURCE PHONE: (253) 312-5523

PROJECT TEAM:

PHONE (888) 321-7779

333 S. MERIDIAN

CABLE:

POWER:

CENTURYLINK

**SURVEYOR:** LEROY SURVEYORS AND ENGINEERS PO BOX 740

#### GEOTECHNICAL ENGINEER

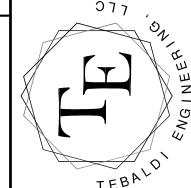
LEROY SURVEYORS AND ENGINEERS PU BUX /40 PUYALLUP, WA 98371

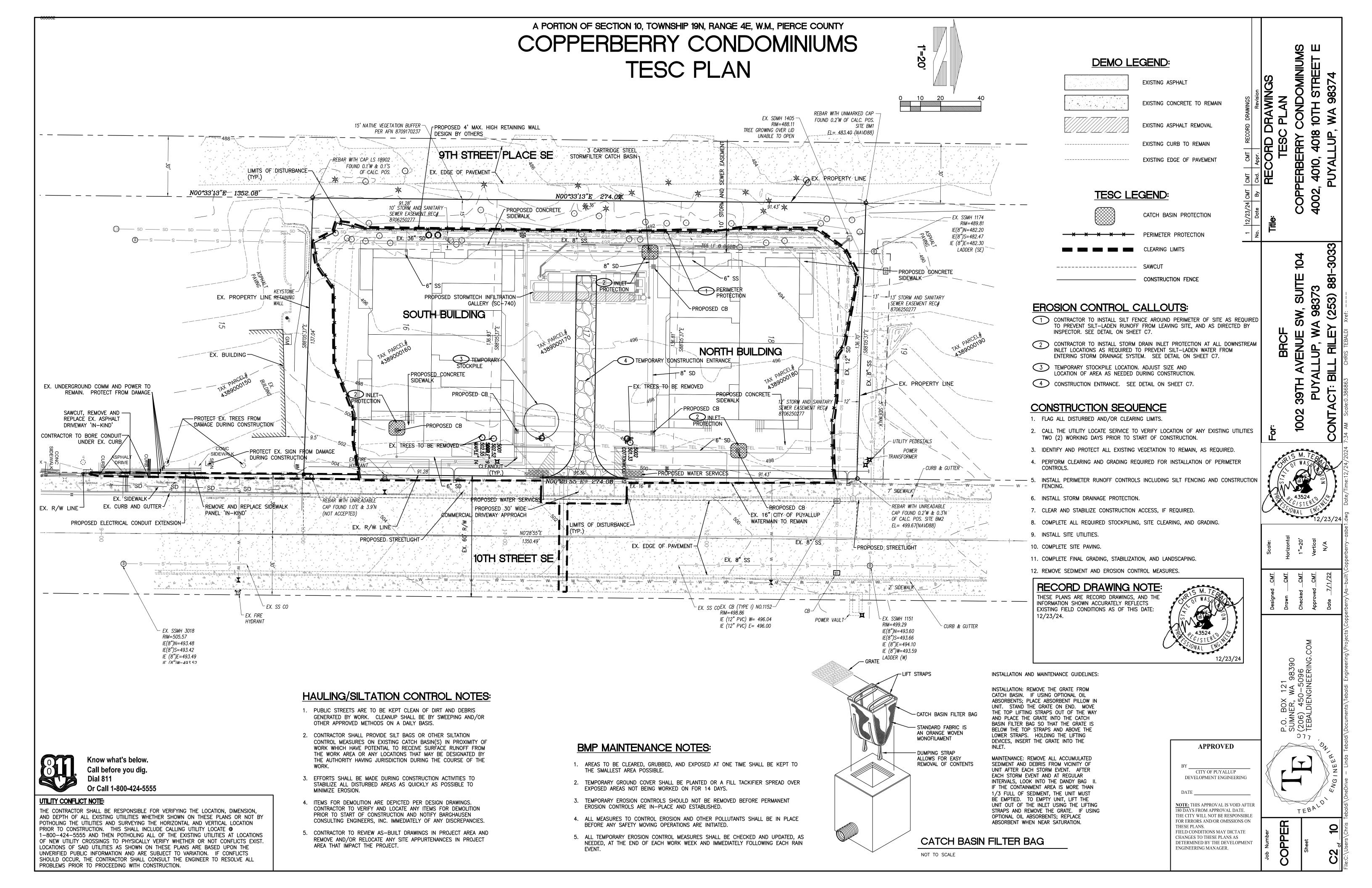
#### OWNER:

1002 39TH AVENUE SW, SUITE 104 PUYALLUP, WA 98373



P.O. BOX 12 SUMNER, WA (206) 450—( TEBALDIENGIR





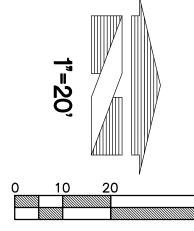
#### A PORTION OF SECTION 10, TOWNSHIP 19N, RANGE 4E, W.M., PIERCE COUNTY COPPERBERRY CONDOMINIUMS GRADING PLAN REBAR WITH UNMARKED CAP -EX. SDMH 1405 -FOUND 0.2'W OF CALC. POS. RIM = 488.1115' NATIVE VEGETATION BUFFER TREE GROWING OVER LID PER AFN 8709170237 EL= 483.40 (NAVD88) UNABLE TO OPEN PROPOSED 4' MAX. HIGH RETAINING WALL DESIGN BY OTHERS. WALL TO BE CONSTRUCTED. SUCH THAT IMPACT TO NATIVE VEGETATION BUFFER REBAR WITH CAP LS 18902 FOUND 0.1'W & 0.1'S OF CALC. POS. EX. EDGE OF PAVEMENT 9TH STREET PLACE SE 本 八EX. PROPERTY LINE VEGETATION TO BE REMOVED AROUND EX. MANHOLE TO N00°33'1/3"E 1352.08' PROVIDE ACCESS. NO VEGETATION TO BE REMOVED WITHIN NOO°33'13"E /274.0% NATIVE VEGETATION BUFFER T.W.=496.0 T.W.=496.0<sup>10'</sup> STORM AND SANITARY T.W.=496.0 B.W.=492.0 SEWER EASEMENT REC# T.W.=496.0 B.W.=492.0 REC# T.W.=496.0 91.43' 🕸 [T.W.=492.0 T.W.=493.0 B.W.=490\0 `B<del>.W.|</del>=491.0∖ B.W.=492.0 T.W.=494.0~ EX. SSMH 1174 **LEGEND** B.W.=492.0 RIM = 489.81IE(8")N=482.20**EXISTING** IE(8")S=482.47 IE (8")E=482.30 CONTRACTOR TO EXTEND FOOTING ALONG LADDER (SE) EXISTING SEWER PIPE SUCH THAT THE EXISTING ASPHALT BOTTOM OF FOOTING IS BELOW THE ZONE OF INFLUENCE OF THE EXISTING SEWER PIPE CONTRACTOR TO EXTEND FOOTING ALONG **EXISTING CONCRETE** EXISTING SEWER PIPE SUCH THAT THE BOTTOM OF FOOTING IS BELOW THE ZONE OF INFLUENCE OF THE EXISTING SEWER PIPE <del>-Proposed Ca</del>tch Basin EXISTING CURB EX. PROPERTY LINE RETAINING PROPOSED CONCRETE -PROPOSED CONCRETE — SEWER EASEMENT REC# SIDEWALK EXISTING EASEMENT PROPOSED STORMFILTER SOUTH BUILDING **NORTH BUILDING** CATCH BASIN EXISTING EDGE OF PAVEMEN GFF=499.0 TO 500.0 GFF=498.5 TO 499.5 SEE ARCHITECTURAL PLANS EXISTING STORM DRAIN SEE ARCHITECTURAL PLANS -PROPOSED INFILTRATION GALDERY EXISTING SEWER LINE LOW POINT/VALLEY ASPHALT PARKING AREA GRADE TO BE 10% TO STORMFILTER-EX. BUILDING-EXISTING UNDERGROUND 3" HMA CL 1/2" OVER 6" CSTC CATCH BASIN WATER LINE -PROPOSED\_CONCRETE EXISTING UNDERGROUND TELEPHONE LINE SIDEWALK ≻EX. PROPERTY LINE EX. UNDERGROUND COMM AND POWER TO -PROPOSED 11'x20' ADA **EXISTING UNDERGROUND** REMAIN. PROTECT FROM DAMAGE VAN PARKING STALL W/ PROPOSED CONCRETE -PROPOSED CATCH BASIN— 5' LOADING ZONE SIDEWALK STORM AND SANITARY EXISTING STORM DRAIN CATCH SEWER EASEMENT REC# PROPOSED 8'x20' ADA--PROPOSED 6' UTILITY EASEMENT ACROSS PROPOSED CATCH BASIN STD. PARKING STALL W/ SAWCUT, REMOVE AND -ENTIRE PROJECT FRONTAGE -PROTECT EX. TREES FROM REPLACE EX. ASPHALT DAMAGE DURING CONSTRUCTION DRIVEWAY 'IN-KIND' EXISTING CONTOUR CONTRACTOR TO BORE CONDUIT: ·UTILITY PEDESTALS EXISTING SPOT ELEVATION UNDER EX. CURE POWER -PROTECT EX. SIGN FROM DAMAGE TRANSFORMER 7' SIDEWALK ROPOSED WATER SERVICES J EX. 'SIDEWALK ' REBAR WITH UNREADABLE EX. SIDEWALK REBAR WITH UNREADABLE EX. CURB AND GUTTER-CAP FOUND 1.0'E & 3.9'N EX. R/W LINE PROPOSED 30' WIDE EX. CURB AND GUTTER-EX. 16" CITY OF PUYALLUP PROPOSED ELECTRICAL CONDUIT EXTENSION-CAP FOUND 0.2'W & 0.3'N (NOT ACCEPTED) COMMERCIAL DRIVEWAY APPROACH -WATERMAIN TO REMAIN • OF CALC. POS. SITE BM2 SEE DETAIL ON SHEET C7. REMOVE EX. SIDEWALK PANEL FOR ELECTRICAL EL= 499.67(NAVD88) EX. R/W LINE CONDUIT EXTENSION. CONTRACTOR TO REPLACE SIDEWALK PANEL 'IN-KIND'. PROPOSED STREETLICHT -1350.49 -ELECTRICAL CONDUIT EXTENSION CONNECTION POINT EX. EDGE OF PAVEMENT 3 ~ Proposed Streetlight STA. 10+77.25, 28.5' LT (CENTER OF BASE) × SEE SEPARATE PLANS BY OTHERS STA. 12+72.25, 28.5' LT (CENTER OF BASE) CONTRACTOR TO REMOVE 10TH STREET SE AND REPLACE SIDEWALK PANELS EX. 8" SS CONTRACTOR TO REMOVE AND REPLACE SIDEWALK PANELS AS NECESSARY FOR STREETLIGHT INSTALLATION, SEE DETAIL ON SHEET C10 AS NECESSARY FOR STREETLIGHT INSTALLATION, SEE DETAIL ON SHEET C10 SEE SEPARATE DESIGN BY OTHERS SEE SEPARATE DESIGN BY OTHERS CL STA. 10+00, 0' PERPENDICULAR SOUTHEAST PROPERTY CORNER EX. SS COEX. CB (TYPE I) NO.1152— WATERMAIN CONNECTION AND EXTENSION RIM=498.86 BY FRUITLAND MUTUAL WATER COMPANY HALF STREET GRIND AND OVERLAY TO-└*EX. SSMH 1151* IE (12" PVC) W= 496.04 POWER VAULT SEE SEPARATE IMPROVEMENT PLANS BY OTHERS MATCH EX. PAVEMENT DEPTHS HYDRANI RIM=499.29 IE (12" PVC) E= 496.00 FOR LIMITS OF IMPROVEMENTS AND PATCHING └ CURB & GUTTER CONTRACTOR TO INSTALL 2-INCH MIN. - EX. SSMH 3018 IE(8")N=493.60 REPLACE SIDEWALK PANELS AS NECESSARY FOR COMPACTED DEPTH CRUSHED SURFACE RIM=505.57 IE(8")S=493.66 WATERMAIN CONNECTION. SEE SIDEWALK DETAIL BASE COURSE BELOW PROPOSED ASPHALT IE(8")N=493.48ON SHEET C10. REPLACE EX. PAVEMENT PER STREET IE (8")E=494.10 IE(8")S=493.42PATCH DETAIL ON SHEET C8. IE (8")W=493.59 IE (8")E=493.49 LADDER (W) IE (8")W=493.52 LADDER (W) **EXISTING SIDEWALK NOTE:** NOTES: CONTRACTOR TO VERIFY EXISTING SIDEWALK IS ADA COMPLIANT DURING CONSTRUCTION. ANY PORTIONS OF SIDEWALK THAT ARE MORE THAN 2% CROSS SLOPE SHALL BE REMOVED AND 1. ALL GRADING AND PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REPLACED TO LESS THAN 2% MAXIMUM CROSS SLOPE. PROVISIONS OF THE CURRENT CITY ORDINANCE AND STANDARD PLANS. 777 2. ALL SPOT ELEVATIONS SHOWN ARE TO FINISH SURFACE (TOP OF ASPHALT OR TOP OF CONCRETE PAD) UNLESS OTHERWISE NOTED. APPROVED Know what's below. **UTILITY SEPARATION NOTE:** Call before you dig. CITY OF PUYALLUP DEVELOPMENT ENGINEERING **Dial 811** PROVIDE A MINIMUM OF 42" OF COVER FOR ALL RECORD DRAWING NOTE: Or Call 1-800-424-5555 WATER SERVICE LINES. THESE PLANS ARE RECORD DRAWINGS, AND THE UTILITY CONFLICT NOTE: INFORMATION SHOWN ACCURATELY REFLECTS PROVIDE MINIMUM 1.5' VERTICAL SEPARATION **NOTE:** THIS APPROVAL IS VOID AFTER EXISTING FIELD CONDITIONS AS OF THIS DATE: BETWEEN WATER SERVICE AND SEWER SERVICE LINES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, 180 DAYS FROM APPROVAL DATE. 12/23/24. THE CITY WILL NOT BE RESPONSIBLE AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY FOR ERRORS AND/OR OMISSIONS ON PROVIDE MINIMUM 0.5' VERTICAL SEPARATION POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION THESE PLANS. BETWEEN WATER SERVICE AND STORM DRAIN LINES. PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ FIELD CONDITIONS MAY DICTATE 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS CHANGES TO THESE PLANS AS CONTRACTOR SHALL POTHOLE EX. UTILITIES PRIOR TO OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. DETERMINED BY THE DEVELOPMENT CONSTRUCTION TO ENSURE PROPER SEPARATION CAN LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE ENGINEERING MANAGER. UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS 12/23/24 SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

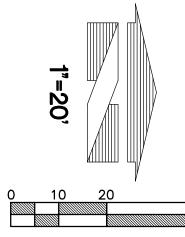
## A PORTION OF SECTION 10, TOWNSHIP 19N, RANGE 4E, W.M., PIERCE COUNTY COPPERBERRY CONDOMINIUMS STORM DRAINAGE PLAN

3 CARTRIDGE STEEL

RIM=<del>497.80-**497.77**</del>

=<del>495.50</del> (8") **495.4**9





**LEGEND EXISTING** EXISTING ASPHALT **EXISTING CONCRETE** EXISTING CURB **EXISTING EASEMENT** EXISTING EDGE OF PAVEMEN EXISTING STORM DRAIN EXISTING SEWER LINE EXISTING UNDERGROUND WATER LINE EXISTING UNDERGROUND TELEPHONE LINE EXISTING UNDERGROUND EXISTING STORM DRAIN CATCH EXISTING CONTOUR EXISTING SPOT ELEVATION **PROPOSED** 

# PROPOSED ASPHALT PROPOSED CONCRETE PROPOSED PAINT STRIPING -----

PROPOSED CURB SAWCUT LINE PROPOSED STORM PIPE PROPOSED CATCH BASIN

**APPROVED** 

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

THESE PLANS.

FLOW PATH

PROPOSED CLEANOUT PROPOSED RIDGELINE

777

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

9TH STREET/PLACE SE REBAR WITH CAP LS 18902 FOUND 0.1'W & 0.1'S OF CALC. POS. \_ X Z EX. PROPERTY LINE 0°33'1⁄3"<del>E</del> 1352.08' NOO°33'13"E /274.0% 91.28' 10' STORM AND SANITARY SEWER EASEMENT REC# EX. SSMH 1174 OVERFLOW @ 1.0% MIN. 8706250277 RIM = 489.81IE(8")N=482.20IE(8")S=482.47 IE (8")E=482.30 LADDER (SE) @ 1.0% MIN. IE=496.48 ( " PVC ROOF DOWNSPOUT TIGHTLINE 6" PVC ROOF DOWNSPOUT TIGHTLINE EX. PROPERTY LINE RETAINING PROPOSED TYPE 13' — 13' STORM AND SANITARY @ 1.0% MIN. | SEWER EASEMENT REC# CHAMBER IS 1' BELOW TOP GALLERY. 2-45° BENDS USED TO SET OUTLET OVERFLOW SOUTH BUILDING \_IF=<del>495.68</del> (6")495.71 (6" N) IE=495.46 (8" E/W) ELEVATION AT TOP OF FACILITY IE=495.76 (6" S) SEE-ARCHITECTURAL PLANS PROPOSED STORMTECH INFILTRATION-499 TO INFILTRATION GALLERY — GALLERY (SC-740) T PARKING AREA TOP=496.5 EX. BUILDING-NORTH BUILDING 496-BOTTOM = 492.0STORMFILTER RESTRICTIVE LAYER=487.0 GFF=498.5 TO 499.5 SEE DETAILS ON SHEET C8/C9 SEE ARCHITÉCTURAL PLANS -PROPOS<u>ED</u> CONCRETE DOUBLE WYE (ROLLED E/W) SIDEWALK ⊢EX. PROPERTY LINE LOW POINT/VALLEY PROPOSED TYPE 1 CATCH BASIN -TO STORMFILTER ----<del>- Prop</del>osed concrete <del>---</del> W/SOLID LID CATCH BASIN SIDEWALK RIM=<del>500.**\$**0</del>*500.64* SEWER EASEMENT REC# 50 LF 6" PVC SDR-35 W/SOLID LID W/STANDARD GRATE IE=496:38 (8" W) -UTILITY PEDESTALS SIDEWALK -TRANSFORMER PROPOSED WATER SERVICES REBAR WITH UNREADABLE EX. SIDEWALK CAP FOUND 1.0'E & 3.9'N REBAR WITH UNREADABLE PROPOSED TYPE 1 CATCH BASIN EX. CURB AND GUTTER-CAP FOUND 0.2'W & 0.3'N (NOT ACCEPTED) PROPOSED 30' WIDE W/STANDARD GRATE OF CALC. POS. SITE BM2 COMMERCIAL DRIVEWAY APPROACH RIM=499.30499.15 EL= 499.67(NAVD88) IE=4<del>97.00</del> (6")**497.05** EX. R/W LINE PROPOSED STREETLIGHT 'EX. 16" CITY OF PUYALLUP EX. EDGE OF PAVEMENT WATERMAIN TO REMAIN PROPOSED STREETLIGHT 10TH STREET SE LEX. WATERMAIN TO REMAIN EX. 8" SS CONTRACTOR TO LOCATE PRIOR O CONSTRUCTION. WCONFLICTWEXISTS 7' SIDEWALK EX. SS COEX. CB (TYPE I) NO.1152— <sup>^</sup>RIM=498.86 EX. FIRE IE (12" PVC) W= 496.04 └*EX. SSMH 1151* POWER VAULT-HYDRANT RIM = 499.29IE (12" PVC) E= 496.00 ` CURB & GUTTER IE(8")N=493.60 IE(8")S=493.66 IE (8")E=494.10 IE (8")W=493.59 LADDER (W)

#### **FOOTING DRAIN NOTE:**

CONTRACTOR TO INSTALL FOOTING DRAINS FOR EACH BUILDING TO DAYLIGHT THROUGH WEEPHOLES IN PROPOSED RETAINING WALL

15' NATIVE VEGETATION BUFFER-

PER AFN 8709170237

PROPOSED 4' MAX. HIGH RETAINING WALL

DESIGN BY OTHERS

**UTILITY SEPARATION NOTE:** 

REBAR WITH UNMARKED CAP -

FOUND 0.2'W OF CALC. POS.

EX. SDMH 1405 -

UNABLE TO OPEN

TREE GROWING OVER LID

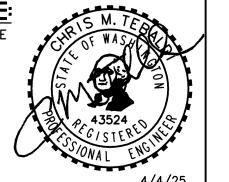
<del>IE=484.00 (8</del>"

RIM=488.11

PROVIDE A MINIMUM OF 42" OF COVER FOR ALL WATER SERVICE LINES.

#### **RECORD DRAWING NOTE:** THESE PLANS ARE RECORD DRAWINGS, AND THE

INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.



PROVIDE MINIMUM 1.5' VERTICAL SEPARATION BETWEEN WATER SERVICE AND SEWER SERVICE LINES. PROVIDE MINIMUM 0.5' VERTICAL SEPARATION BETWEEN WATER SERVICE AND STORM DRAIN LINES. CONTRACTOR SHALL POTHOLE EX. UTILITIES PRIOR TO CONSTRUCTION TO ENSURE PROPER SEPARATION CAN

1. ALL GRADING AND PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE

PROVISIONS OF THE CURRENT CITY ORDINANCE AND STANDARD PLANS.

# Know what's below.

Call before you dig. **Dial 811** Or Call 1-800-424-5555

#### UTILITY CONFLICT NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

#### A PORTION OF SECTION 10, TOWNSHIP 19N, RANGE 4E, W.M., PIERCE COUNTY

# COPPERBERRY CONDOMINIUMS SANITARY SEWER PLAN

EX. IE=482,9±-

15' NATIVE VEGETATION BUFFER-

EX. IE=483.7± — SEWER EASEMENT REC#

REBAR WITH CAP LS 18902 FOUND 0.1'W & 0.1'S OF CALC. POS.

REBAR WITH UNREADABLE

CAP FOUND 1.0'E & 3.9'N

EX. R/W LINE

PROPOSED STRÉETLIGHT

(NOT ACCEPTED)

KEYSTONE -EX. PROPERTY LINE RETAINING

HYDRANT

- EX. SSMH 3018

IE(8")N=493.48

IE(8")S=493.42

IE (8")E=493.49 IE (8")W=493.52

LADDER (W)

RIM=505.57

EX. BUILDING-

rPROPOSED 4' MAX. HIGH RETAINING WAL

9TH STREET PLACE SE STORMFILTER CATCH BASIN

PROPOSED CONCRETE

SIDEWALK

N00°33'13"E \274.0%

PROPOSED STORMTECH INFILTRATION-

GALLERY (SC-740)

DESIGN BY OTHERS

. EDGE OF PAVEMENT-

SDR-35 @ 50.0%

PROPOSED SSCO

 $RIM = 499.0 \pm$ 

LIE=4<u>90.</u>9 (6")

IE = 489.40 (6")

SOUTH BUILDING

ASPHALT PARKING AREA

PROPOSED CB -

RROPOSED WATER SERVICES !!

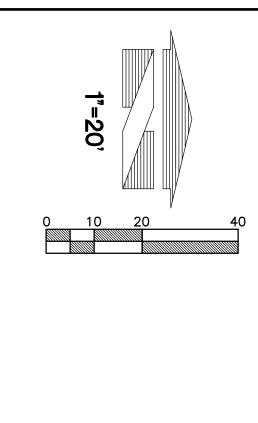
PROPOSED 30' WIDE -

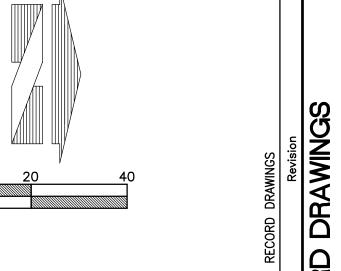
COMMERCIAL DRIVEWAY APPROACH

SEE ARCHITECTURAL PLANS

-PROPOS<u>ED</u> CONCRETE

SIDEWALK





**LEGEND EXISTING** 

EXISTING ASPHALT **EXISTING CONCRETE** EXISTING CURB **EXISTING EASEMENT** EXISTING EDGE OF PAVEMEN EXISTING STORM DRAIN EXISTING SEWER LINE

> EXISTING UNDERGROUND WATER LINE EXISTING UNDERGROUND

> > TELEPHONE LINE

EXISTING CONTOUR

**EXISTING UNDERGROUND** EXISTING STORM DRAIN CATCH

EXISTING SPOT ELEVATION

PROPOSED ASPHALT

PROPOSED CONCRETE PROPOSED PAINT STRIPING

PROPOSED CURB PROPOSED SANITARY SEWER

PIPE PROPOSED SANITARY SEWER CLEANOUT

777

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE

FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DEVELOPMENT ENGINEERING

**PROPOSED** 

**APPROVED** 

NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE

DETERMINED BY THE

MANAGER.

Know what's **below**. Call before you dig. **Dial 811** (1-800-424-5555)

12/23/24

POWER VAULT

**RECORD DRAWING NOTE:** THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.

REBAR WITH UNMARKED CAP -

FOUND 0.2'W OF CALC. POS.

EX. SSMH 1174

IE(8")S=482.47 IE (8")E=482.30 `LÁDDER (SE) ¯

-PROPOSED\CONCRETE

-EX. PROPERTY LINE

TRANSFORMER

REBAR WITH UNREADABLE

CAP FOUND 0.2'W & 0.3'N

` CURB & GUTTER

IE (8")W=493.59 UTILITY SEPARATION NOTE:

ALL WATER SERVICE LINES.

SEPARATION CAN BE MET.

PROVIDE A MINIMUM OF 42" OF COVER FOR

PROVIDE MINIMUM 1.5' VERTICAL SEPARATION

PROVIDE MINIMUM 0.5' VERTICAL SEPARATION

BETWEEN WATER SERVICE AND STORM DRAIN

CONTRACTOR SHALL POTHOLE EX. UTILITIES PRIOR TO CONSTRUCTION TO ENSURE PROPER

BETWEEN WATER SERVICE AND SEWER SERVICE

OF CALC. POS. SITE BM2

EL= 499.67(NAVD88)

└ EX. SSMH 1151

IE(8")N=493.60

IE(8")S=493.66

IE (8")E=494.10

RIM = 499.29

SIDEWALK

-- 13' STORM AND SANITARY

SEWER EASEMENT REC#

RIM = 489.81IE(8")N=482.20

X ZEX. PROPERTY LINE

STORM AND SANITARY SEWER EASEMENT REC#

EX. 16" CITY OF PUYALLUP

WATERMAIN TO REMAIN

-PROPOSED STREETLIGHT/

EX. 8" SS

EX. SS COEX. CB (TYPE I) NO.1152— RIM=498.86

IE (12" PVC) W= 496.04

IE (12" PVC) E= 496.00

EX. SDMH 1405 -

UNABLE TO OPEN

91.43' 🔆

SDR-35 @ 50.0% 📆

PROPOSED SSCO

IE=488.90 (6")

NORTH BUILDING

GFF=498.5 TO 499.5 496 SEE ARCHITECTURAL PLANS

<del>-PRO</del>POSED CONCRETE-

LIE=490.9 (6")

PROPOSED WATER SERVICES

EX. SIDEWALK

EX. CURB AND GUTTER-

EX. EDGE OF PAVEMENT

10TH STREET SE

SIDE SEWER CONNECTION NOTE:

CONTRACTOR TO COORDINATE WITH CITY

INSPECTOR FOR LOCATION OF EXISTING SIDE

SEWER STUBS FOR CONNECTION. CONNECT TO EX. SIDE SEWER STUBS FOR BUILDING SERVICE. TREE GROWING OVER LID

RIM = 488.11

**UTILITY CONFLICT NOTE:** 

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 811 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL NOTIFY TEBALDI ENGINEERING, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

#### CITY OF PUYALLUP STORMWATER 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 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.

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 CONTÁCTED IMMEDIATELY IF A CONFLICT EXISTS.

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. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.

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

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

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 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 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.

16. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.

17. 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. 18. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY

#### CITY OF PUYALLUP 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 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 CONTÁCTED 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

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.

#### CITY OF PUYALLUP ROAD 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 OWNERAND 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.

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

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.

#### CITY OF PUYALLUP GRADING/TESC 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 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 (HERINAFTER REFERRED TO AS THE "CITY STANDARDS").

HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

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 ENGINEER 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 HOURS IN ADVANCE. THE OWNER AND

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. 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

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.

#### CITY OF PUYALLUP SANITARY SEWER 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.

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 SEWER 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

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 CONTÁCTED IMMEDIATELY IF A CONFLICT EXISTS.

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. MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6

INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.

9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA). 10. ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TMEPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.

11. SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO.

12. SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHANNELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03. 13. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER, A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS. 14. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES

ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED. 15. FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE

INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE. 16. ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED. ALL SANITARY SEWER

MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

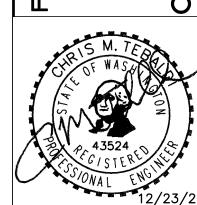
RECORD DRAWING NOTE:

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS

OF THIS DATE: 12/23/24.

DRAWINGS IND DETAIL

 $\infty$ 837 53) 2 **O** 



777

# DEVELOPMENT ENGINEERING

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

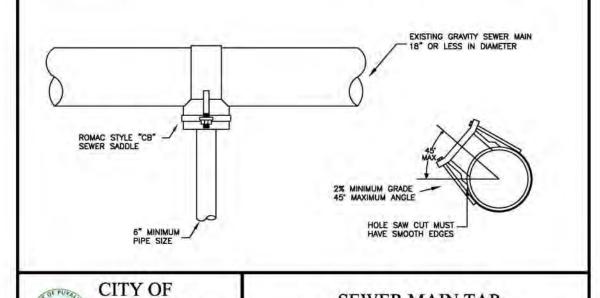
MANAGER.

**APPROVED** 

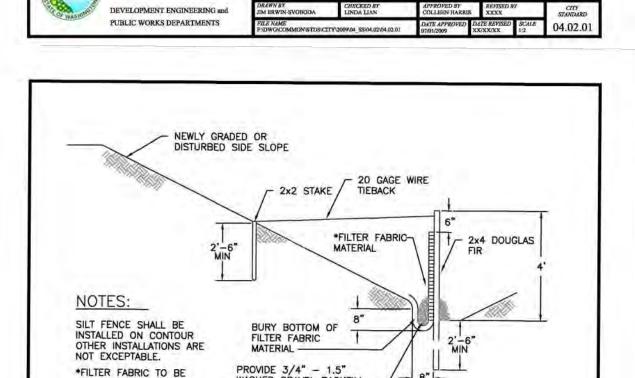
CITY OF PUYALLUP

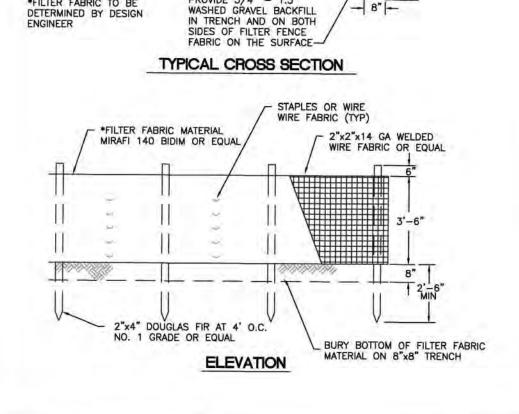
#### NOTES FOR CONNECTING TAPS ON EXISTING SEWER MAINS

- 1. THE TEE FITTING SHALL BE A ROMAC INDUSTRIES STYLE "CB" SEWER SADDLE (OR APPROVED EQUAL), ONLY NEW SADDLE AND PARTS SHALL BE INSTALLED. DUE TO PIPE SIZE MATERIALS OR PIPE CONDITION, THE CITY ENGINEER MAY REQUIRE AN ALTERNATE METHOD/MATERIAL BE USED.
- 2. THE SEWER MAIN TAP SHALL BE CUT WITH A SEWER PIPE TAPPING MACHINE (HOLE SAW) CAPABLE OF RETAINING THE COUPON. 3. THE ROUND HOLE CUT INTO THE SEWER MAIN SHALL BE NO LARGER THAN THE INSIDE DIAMETER OF THE SADDLE GASKET. THE
- 4. THE COUPON SHALL BE RETAINED AND SURRENDERED TO THE INSPECTOR, THE PERMIT HOLDER WILL PAY ALL COSTS ASSOCIATED WITH THE LOCATION AND RETRIEVAL OF A LOST COUPON, ADDITIONALLY THE PERMIT HOLDER WILL BE HELD LIABLE FOR ANY
- 5. BOLTS SHALL BE TORQUED TO MANUFACTURE SPECIFICATIONS, THEN RETORQUED AFTER 10 MINUTES.
- 6. NO TAPS SHALL BE ALLOWED ON EXISTING SEWER MAINS OVER 18" IN DIAMETER. CONNECTIONS INTO SEWER MAINS OVER 18" IN DIAMETER SHALL INTERSECT THE SEWER MAIN IN A MANHOLE, IN SOME CASES THE CITY ENGINEER MAY ALLOW A VARIANCE TO
- 7. ALL TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 06.01.01. ALL ASPHALT REPAIR SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 01.01.20. ALL ADDITIONAL UTILITY AND RIGHT OF WAY REPAIRS SHALL
- 8. THE CITY OF PUYALLUP WILL CONDUCT A "SEWER MAIN VIDEO INSPECTION" OF THE SEWER TAP. THE PERMIT HOLDER WILL BE REQUIRED TO REPAIR ANY SEWER TAP CONSTRUCTION DEFECTS FOUND BY THE CITY INSPECTORS. THE COST OF ALL REPAIRS AND SUBSEQUENT "SEWER MAIN VIDEO INSPECTIONS" WILL BE THE RESPONSIBILITY OF THE PERMIT HOLDER. THE DAMAGE DEPOSIT POSTED BY THE BUILDER WILL BE HELD UNTIL PROBLEMS ARE CORRECTED. DUE TO PUBLIC HEALTH AND SAFETY, BUILDING OCCUPANCY WILL NOT BE ALLOWED UNTIL REPAIRS ARE COMPLETED AND ACCEPTED BY THE CITY ENGINEER.



SEWER MAIN TAP





SILTATION FENCE

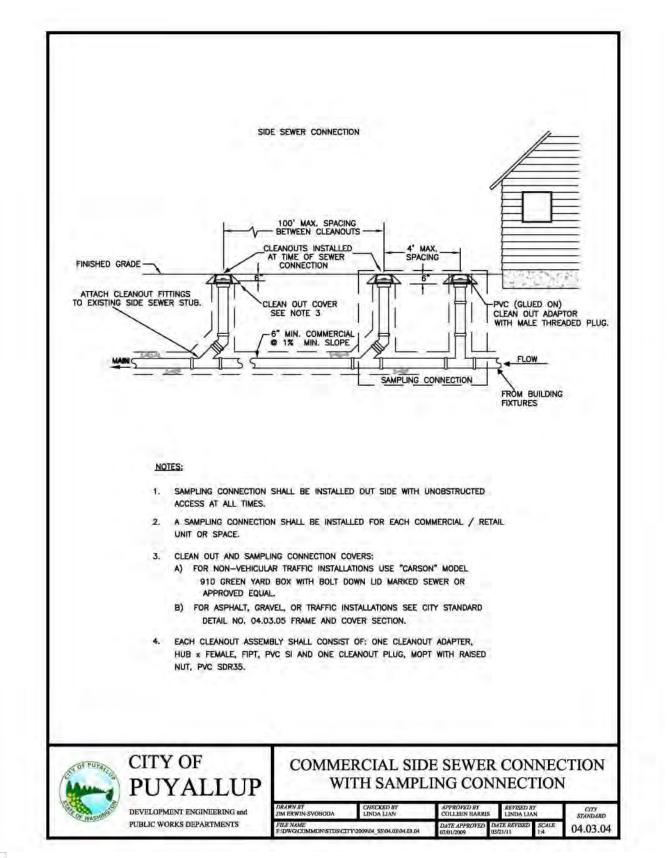
DATE APPROVED DATE REVISED SCALE 09/01/1992 06/01/2003 NTS 02.03.02

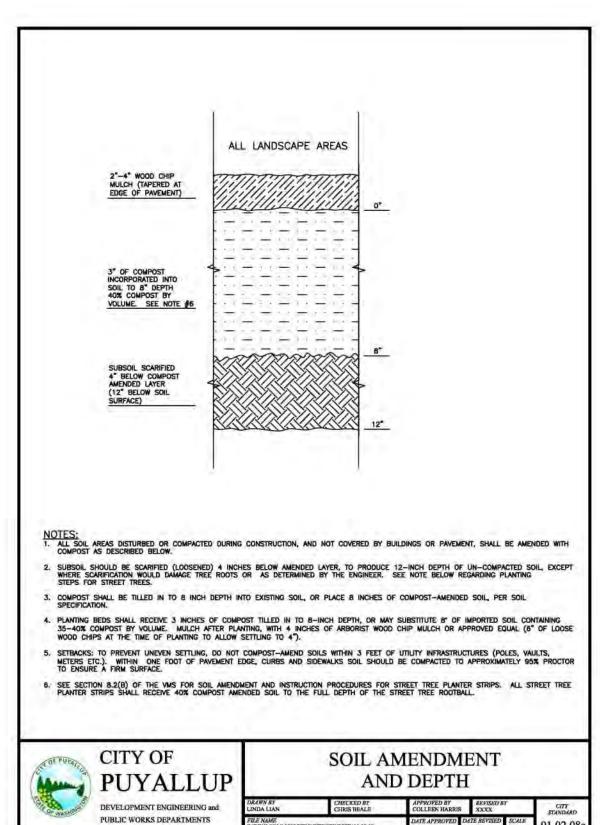
CITY OF

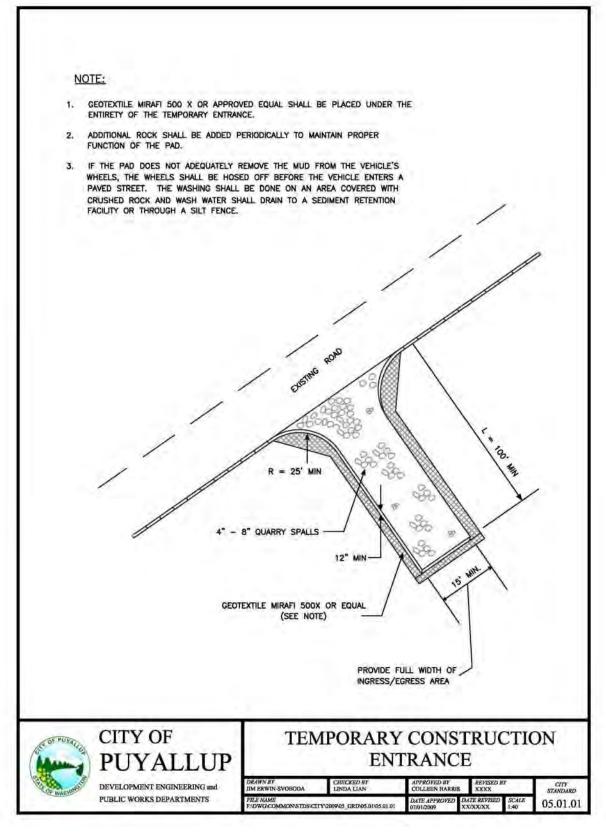
PUYALLUP

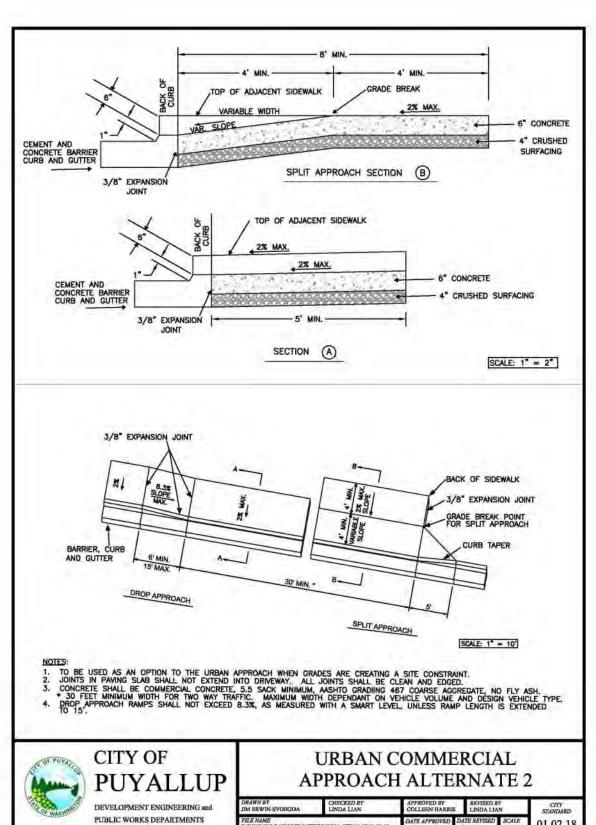
DEVELOPMENT ENGINEERING and

PUBLIC WORKS DEPARTMENTS

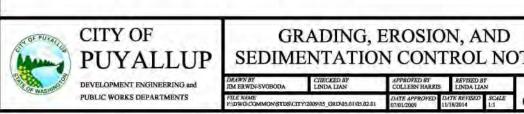


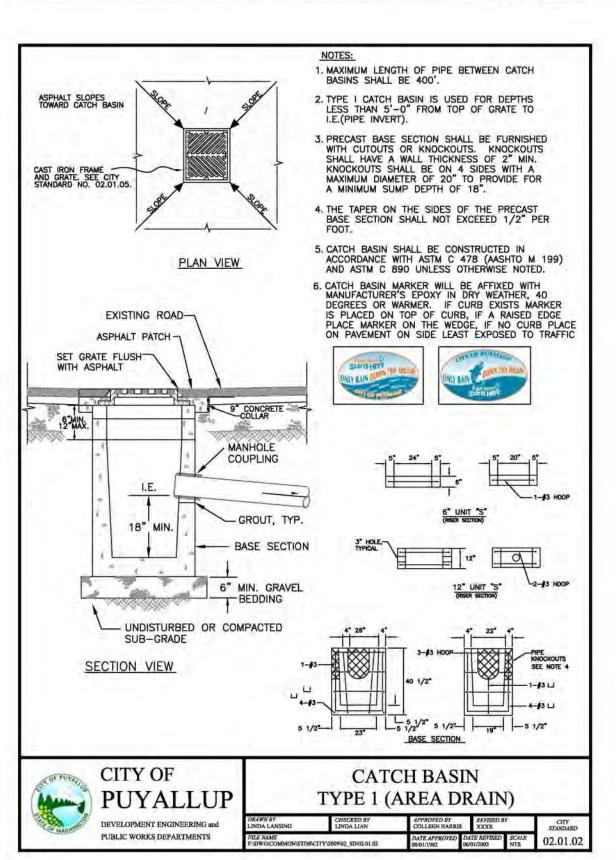






- .. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 2. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER 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 CONSTRUCTION, ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINE 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 PERMITEE.
- 3. 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 PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY 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.
- 4. 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
- 5. 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 IS IN THE INTEREST OF THE PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE
- 6. 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.
- 7. 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.





#### **RECORD DRAWING NOTE:**

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.



**APPROVED** 

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

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

izo. N/A

777

PROJECT INFORMATION				
ENGINEERED PRODUCT MANAGER				
ADS SALES REP				
PRO IECT NO				





## **COPPERBERRY**

#### SC-740 STORMTECH CHAMBER SPECIFICATIONS

- 1. CHAMBERS SHALL BE STORMTECH SC-740.
- 2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED
- CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD
- IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE
- THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1)
  LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES. CHAMBERS SHALL BE DESIGNED. TESTED AND ALLOWARI ELLOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787
- "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION: TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER. THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE
- DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS: THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
- THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.

  THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN
- EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.

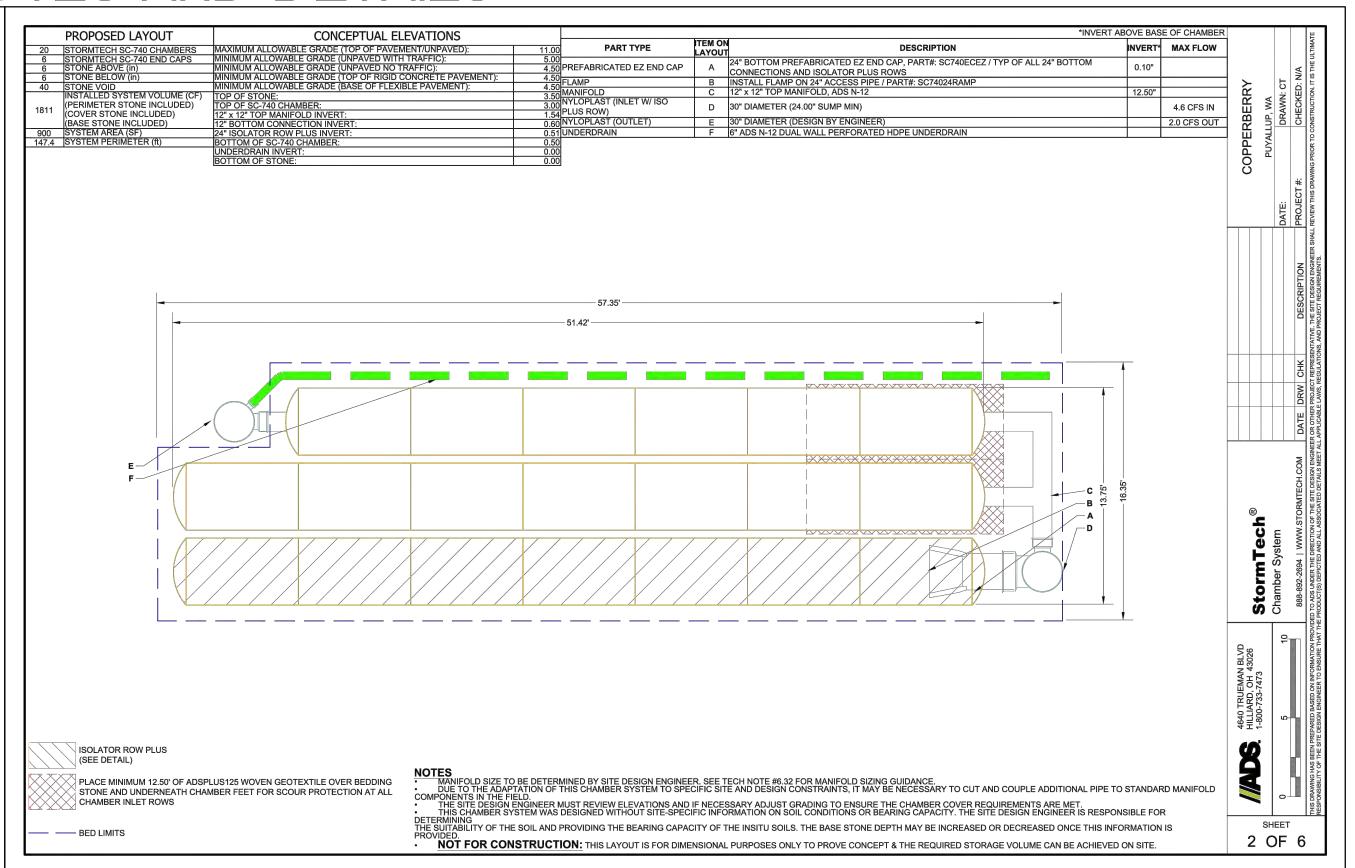
#### PUYALLUP, WA IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-740 SYSTEM

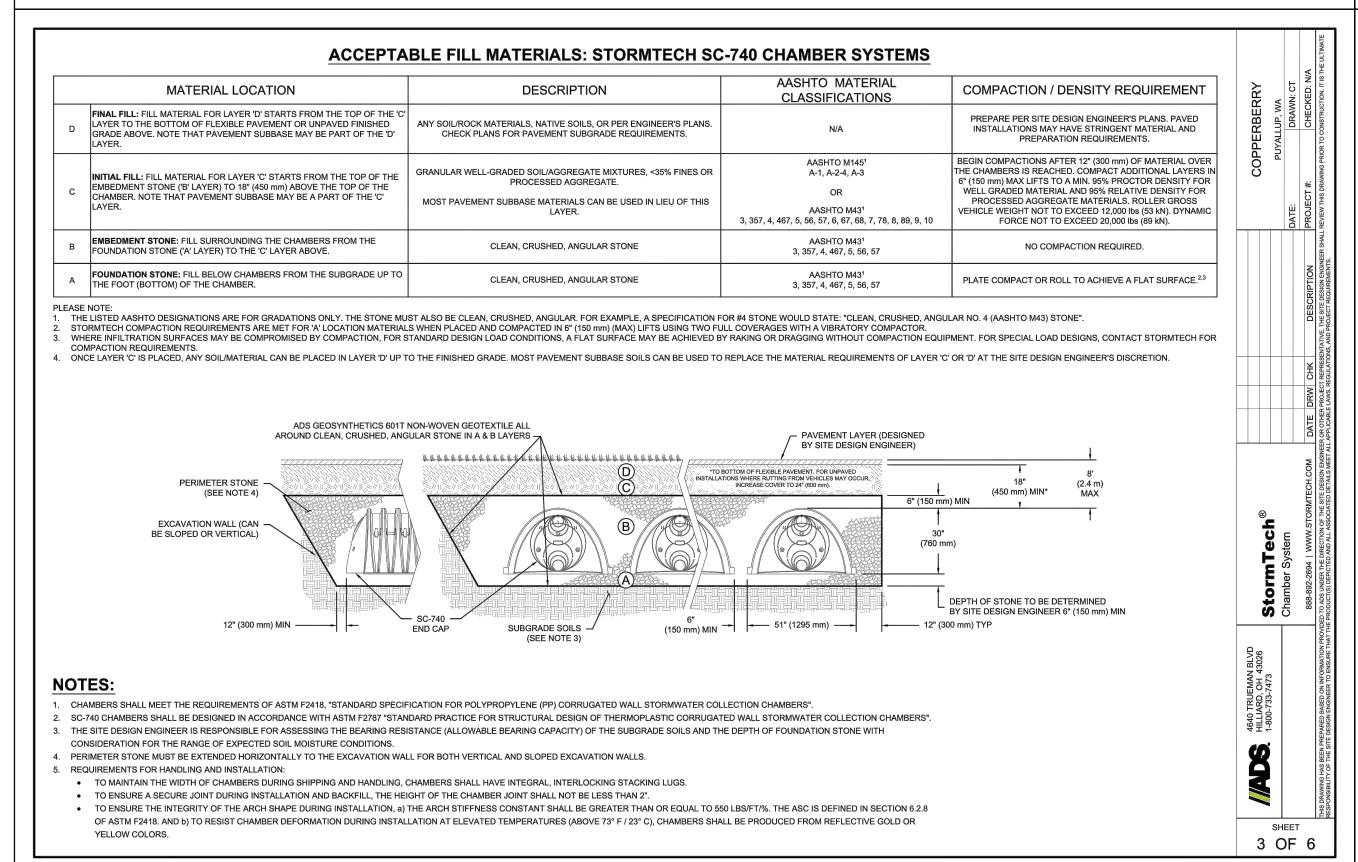
- 1. STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- 2. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS.
- STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   STONESHOOTER LOCATED OFF THE CHAMBER BED.
- BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- 6. MAINTAIN MINIMUM 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4-2" (20-50 mm).
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN
- ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE

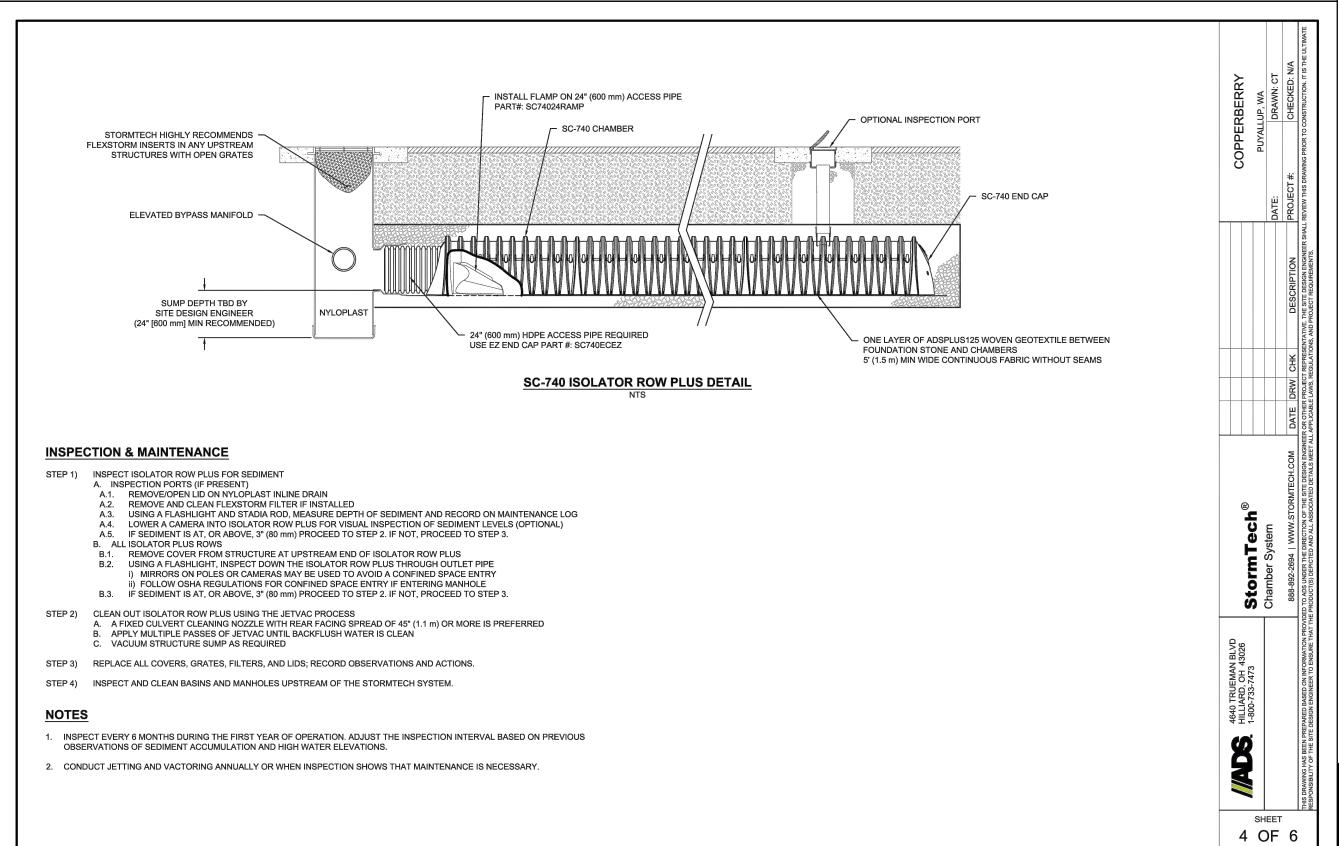
#### NOTES FOR CONSTRUCTION EQUIPMENT

- STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED: NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
- NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE". WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE".
- FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING. USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN
- ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH

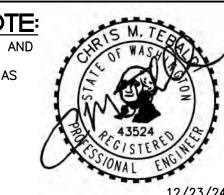
CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT







#### **RECORD DRAWING NOTE:** THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.



777 **APPROVED** CITY OF PUYALLUP DEVELOPMENT ENGINEERING **NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

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

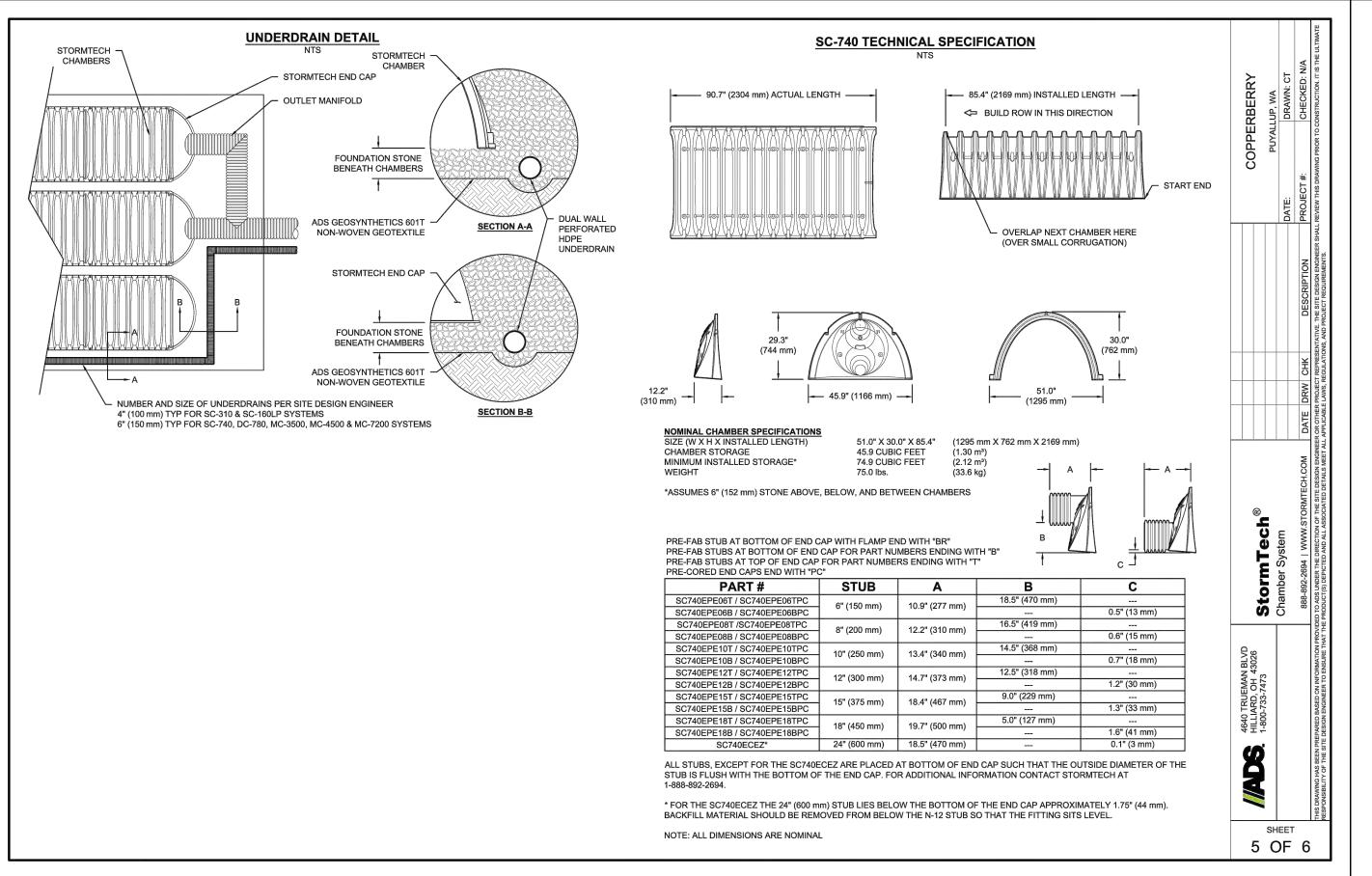
DETERMINED BY THE

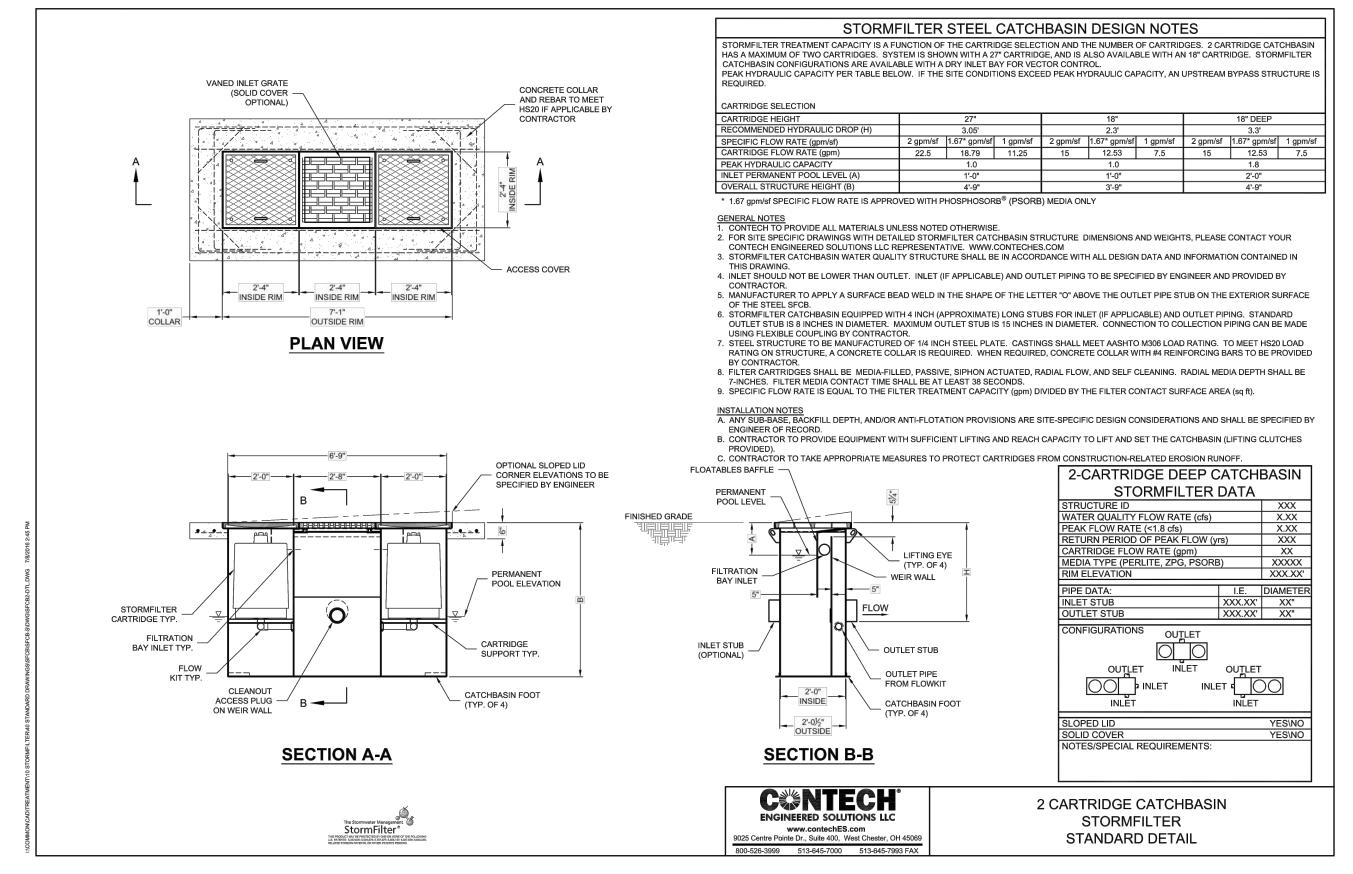
MANAGER.

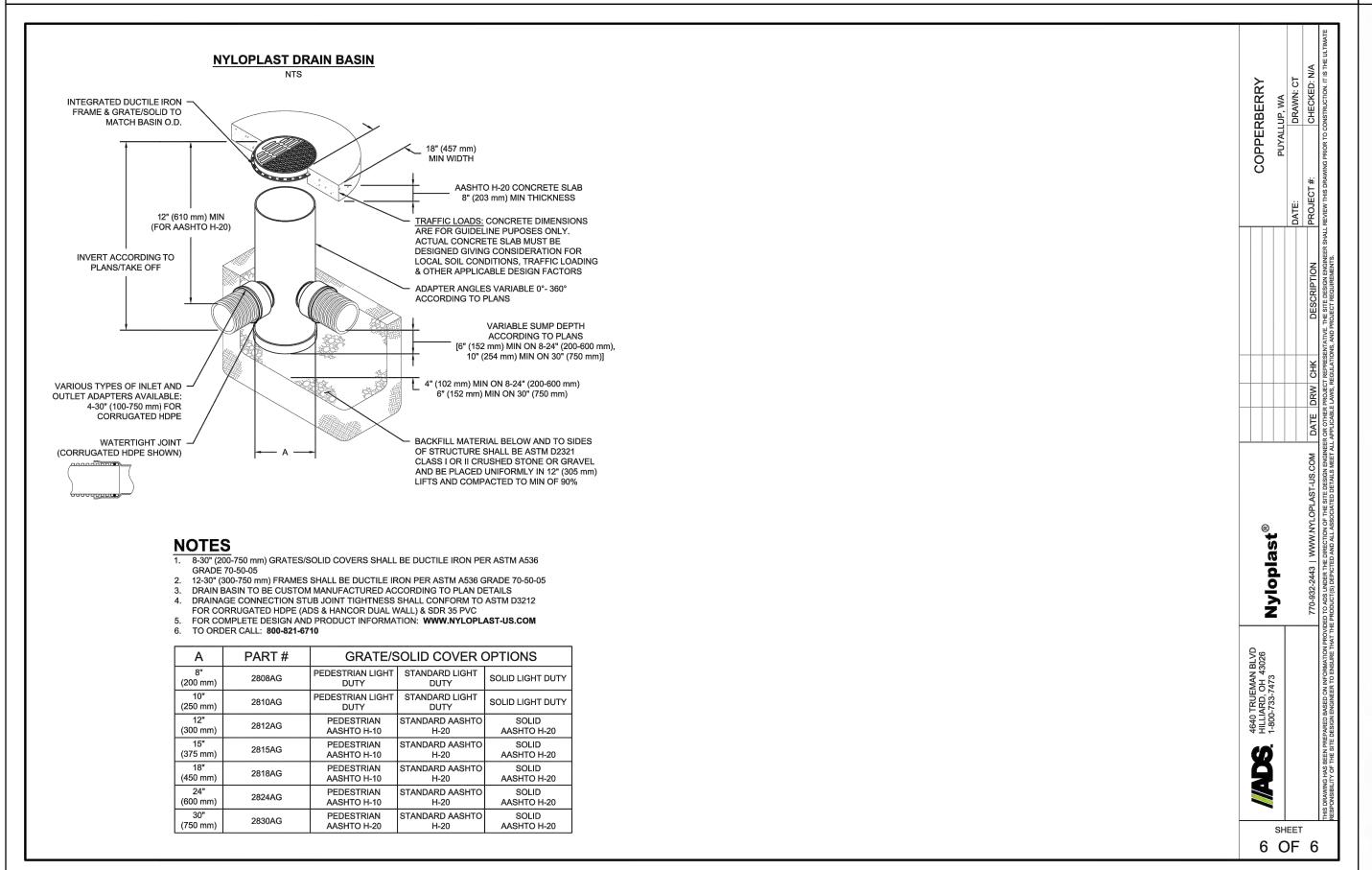
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DEVELOPMENT ENGINEERING

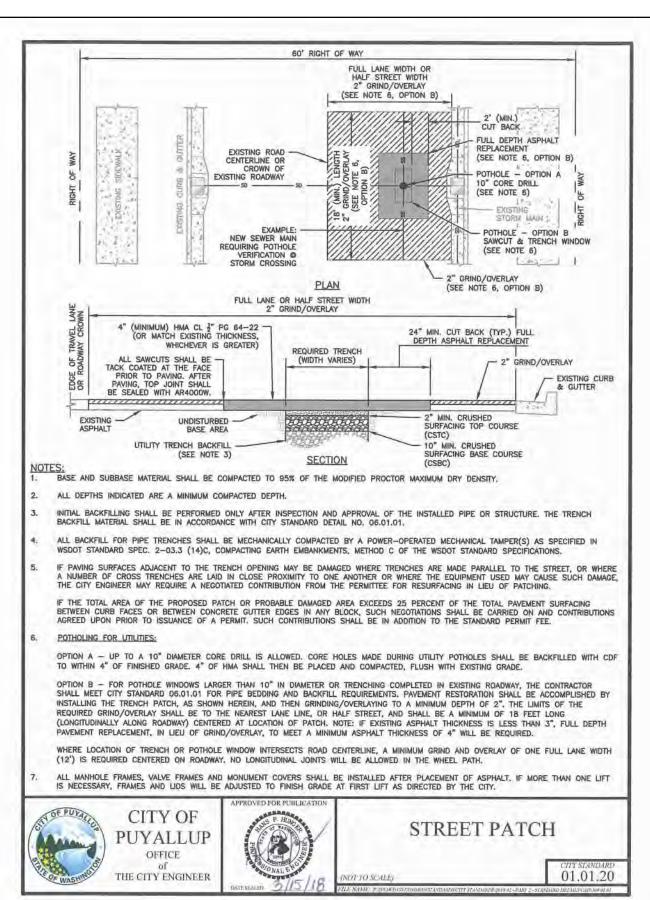
#### A PORTION OF SECTION 10. TOWNSHIP 19N. RANGE 4E. W.M., PIERCE COUNTY

## NOTES AND DETAILS



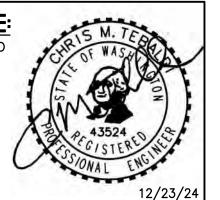






#### **RECORD DRAWING NOTE:**

THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.

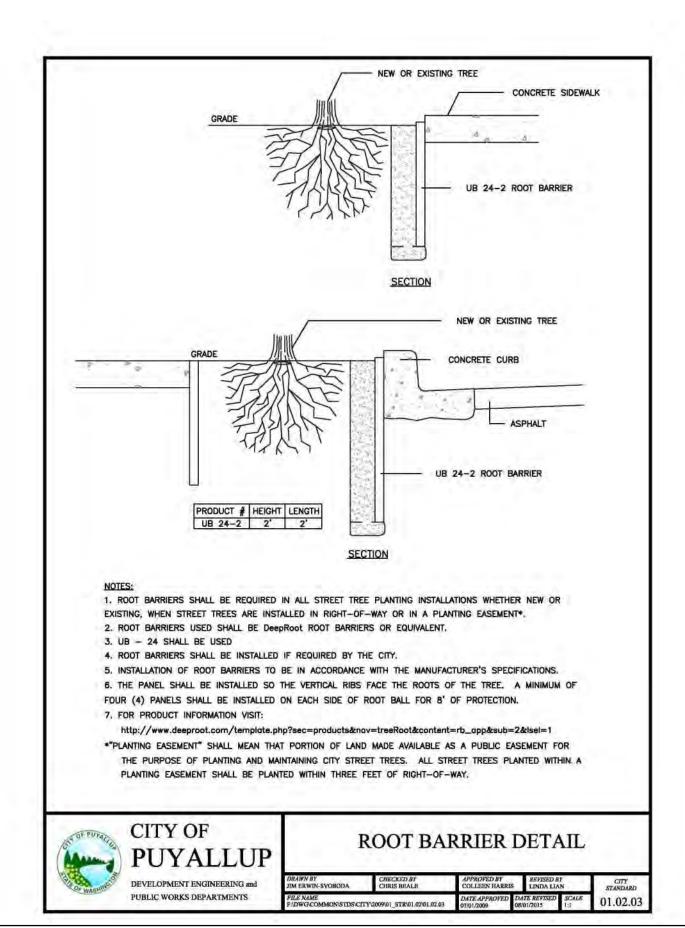


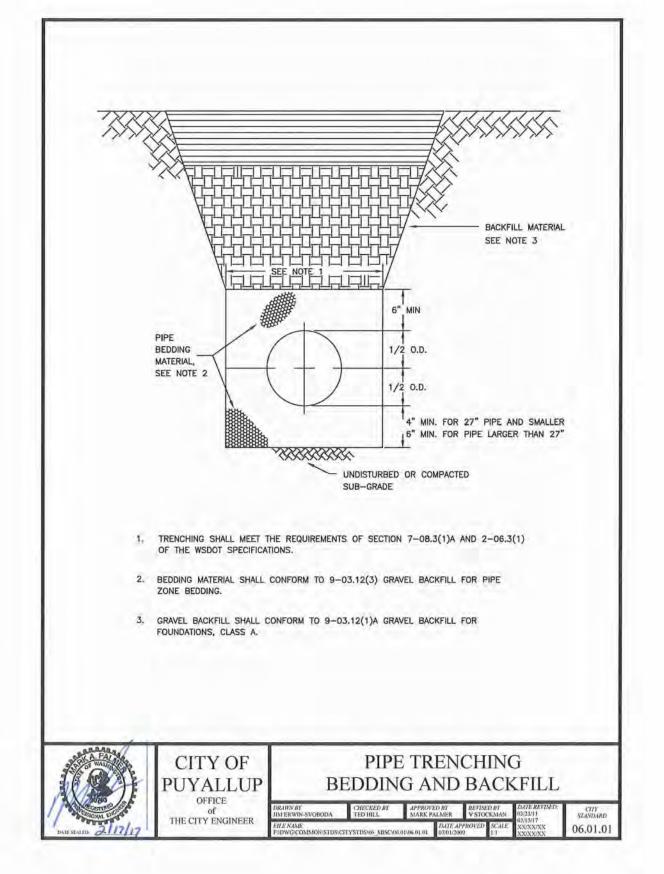
DATE

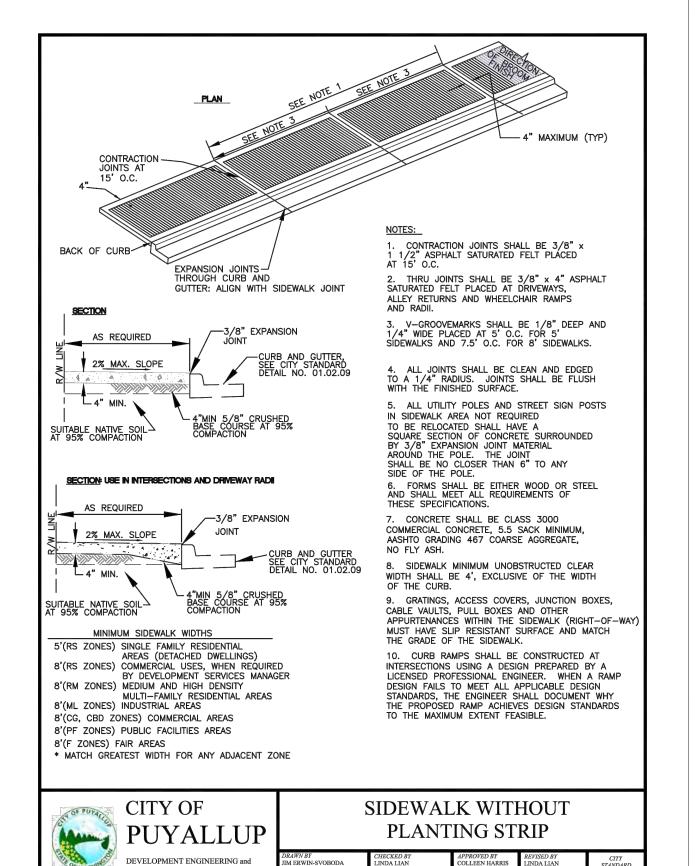
# DEVELO

	• / .
APPROVED	
CITY OF PUYALLUP LOPMENT ENGINEERING	
HIS APPROVAL IS VOID 80 DAYS FROM APPROVAL	TEBALO

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

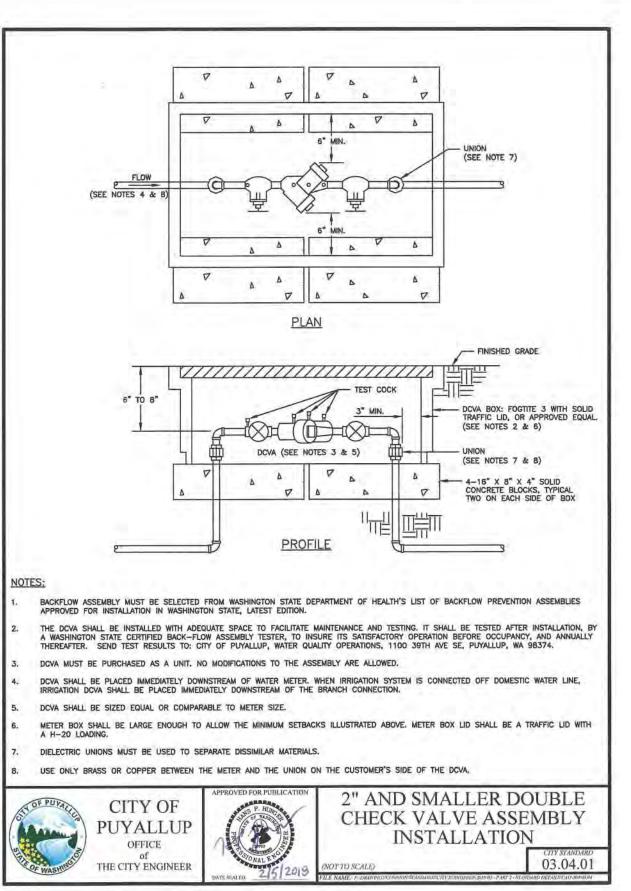


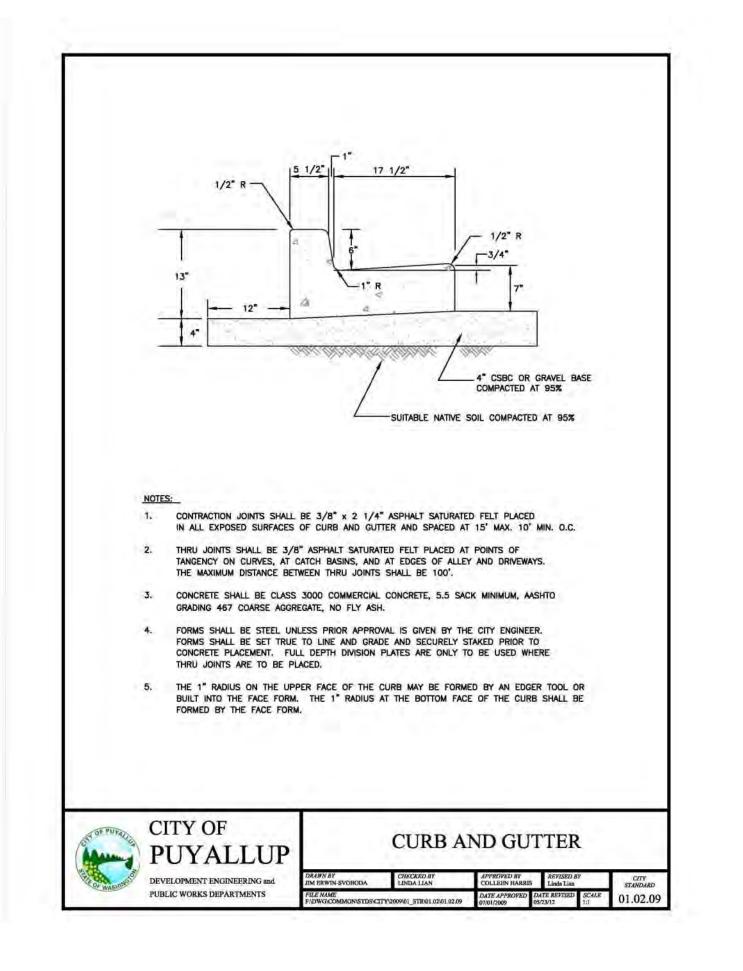




DATE APPROVED DATE REVISED SCALE 07/01/2009 03/21/11 1:8 01.02.01

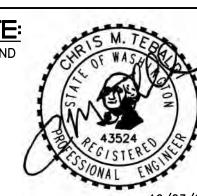
PUBLIC WORKS DEPARTMENTS

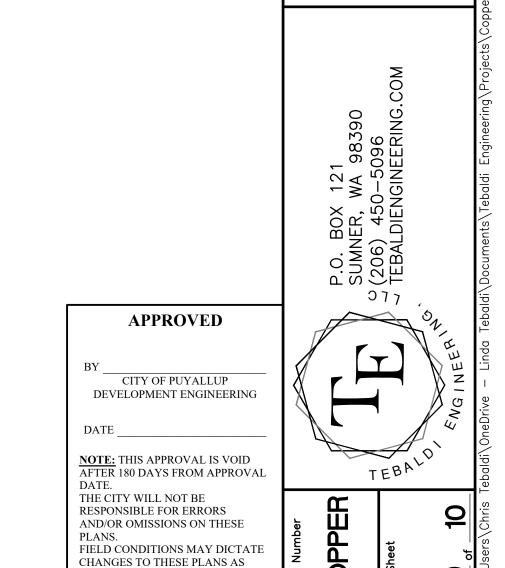






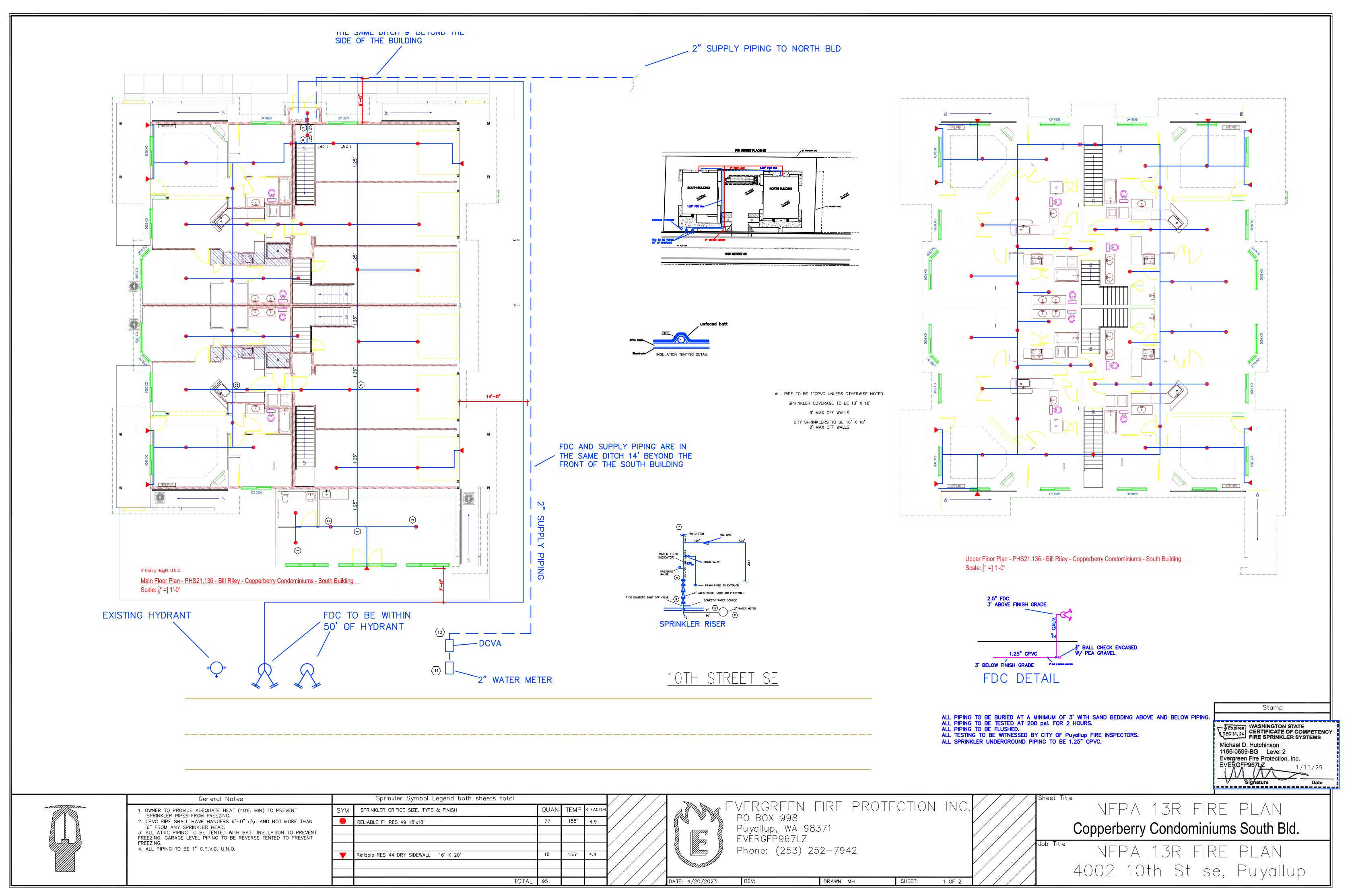
THESE PLANS ARE RECORD DRAWINGS, AND THE INFORMATION SHOWN ACCURATELY REFLECTS EXISTING FIELD CONDITIONS AS OF THIS DATE: 12/23/24.

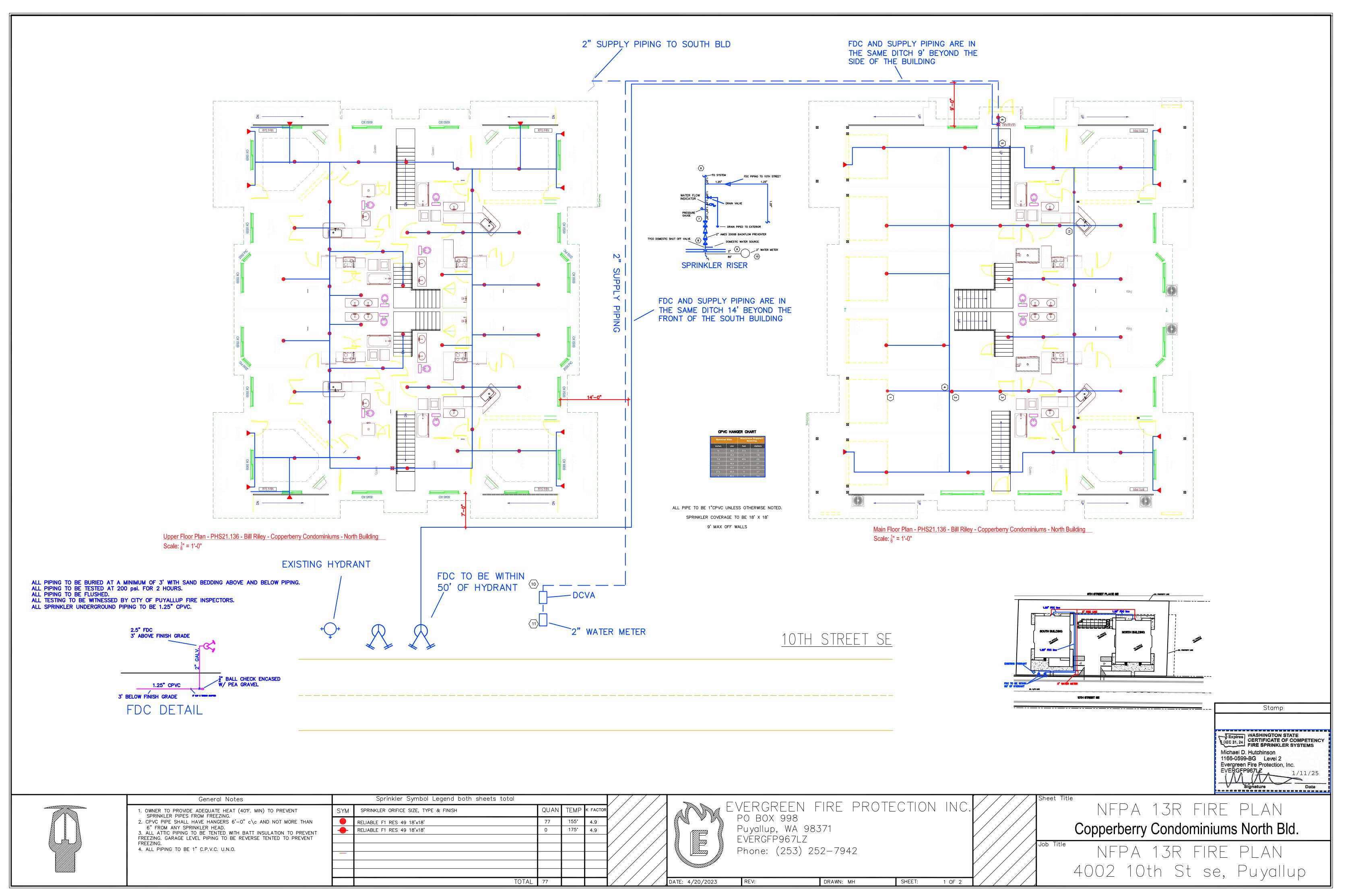




DETERMINED BY THE DEVELOPMENT ENGINEERING

MANAGER.





- EXISTING STREET LIGHTING

HANDHOLE. CONNECT NEW

STREET LIGHTING CIRCUIT

STREET LIGHTING

CONDUCTORS WITHIN

HANDHOLE. PROVIDE

WATERTIGHT SPLICES.

CONDUCTORS TO EXISTING

EXISTING STREET

LIGHT POLE TO

REMAIN

EXISTING DRIVEWAY. SEE

CIVIL DRAWINGS FOR

RESTORATION

10TH STREET SOUTHEAST

REQUIREMENTS.

<sup>—</sup>EXISTING SIDEWALK. \$EE CIVI↓

DRAWINGS FOR RESTORATION

TNEW STREET LIGHTING

2'-0" BEHIND EXISTING

SIDEWALK CURB

CIRCUIT CONDUIT ROUTED

REQUIREMENTS.

SIDEWALK CURB —

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- 2. THE LOCATION FEATURES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- 3. UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ILLUMINATION WORK.
- 4. 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 AN DAMAGE TO UTILITIES.
- 5. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 6. CONTRACTOR SHALL COORDINATE WITH CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.341.8439 PRIOR TO CONSTRUCTION.
- 7. 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.

- 8. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED AT BACK OF SIDEWALK PER CITY STANDARD DETAIL 01.06.01.
- 9. CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
- 10. 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.
- 11. INSTALL SHORTING CAPS ON LUMINAIRES PER CITY STANDARD DETAIL 01.05.10.
- 12. CONDUIT INSTALLED BELOW NEW AND EXISTING DRIVEWAYS SHALL BE PVC SCHEDULE 80.

**CONDUIT AND CONDUCTOR SCHEDULE:** 

 $(1)^2$ " PVC SCHEDULE 80 - (2)#8 CU & (1)#8 CU GRD (CONDUIT FILL = 4%) (1)2" PVC SCHEDULE 40- EMPTY WITH PULLSTRING

 $\sqrt{2}$  (1)1-1/2" PVC SCHEDULE 40- (2)#8 CU & (1)#8 CU GRD (CONDUIT FILL = 4%)

(2)2" PVC SCHEDULE 40- EMPTY WITH PULLSTRING

NORTH BUILDING

30'-0" HIGH, ROADWAY, SINGLE ARM, STREET

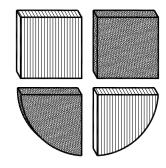
(58 WATT) PER CITY OF PUYALLUP STANDARDS. TYPICAL SL1 AND SL2 THIS SHEET. LIGHT POLE BASE SHALL BE INSTALLED WITHIN SIDEWALK

LIGHT WITH LEOTEK LED

AT BACK EDGE.

#GCJ3-30J-MV-40K-2R-GY-080

JINEERS,



LIGHTING PERBI 4018 1

> 0 C

STUB AND CAP CONDUIT

STATION: XX+XX.XX,

IF SHEET IS LESS THAN 24" x 36"

IT IS A REDUCED SET

**RECORD DRAWINGS** 

XX.X' LÏT

FOR FUTURE STREET

LIGHTING EXTENSION

**REVISIONS:** 

AS NOTED 1-22-2025

23-101

STREET LIGHTING ELECTRICAL SITE PLAN SCALE: 1"=15'-0"

— EXISTING

▶ ROW LINE

NEW TYPE 1, JUNCTION BOX

STANDARDS. TYPICAL OF JB1

PER CITY OF PUYALLUP

AND JB2 THIS SHEET.

WITH SLIP RESISTANT COATING

SOUTH BUILDING

NEW STREET LIGHTING

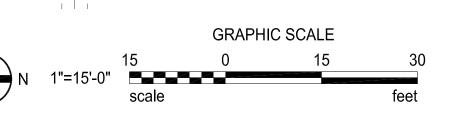
3'-0" BEHIND NEW

SIDEWALK CURB

CIRCUIT CONDUIT ROUTED

STATION: XX+XX.XX,

XX.X'LT



NEW STREET LIGHTING

THIS AREA.

10TH STREET SOUTHEAST

CIRCUIT CONDUIT ROUTED

EAST OF WATER METERS IN

UNDERGROUND CONDUIT

FOR QUANTITY AND SIZES,

SCHEDULE THIS SHEET

AND CONDUCTOR

**TYPICAL** 

10TH STREET SOUTHEAST

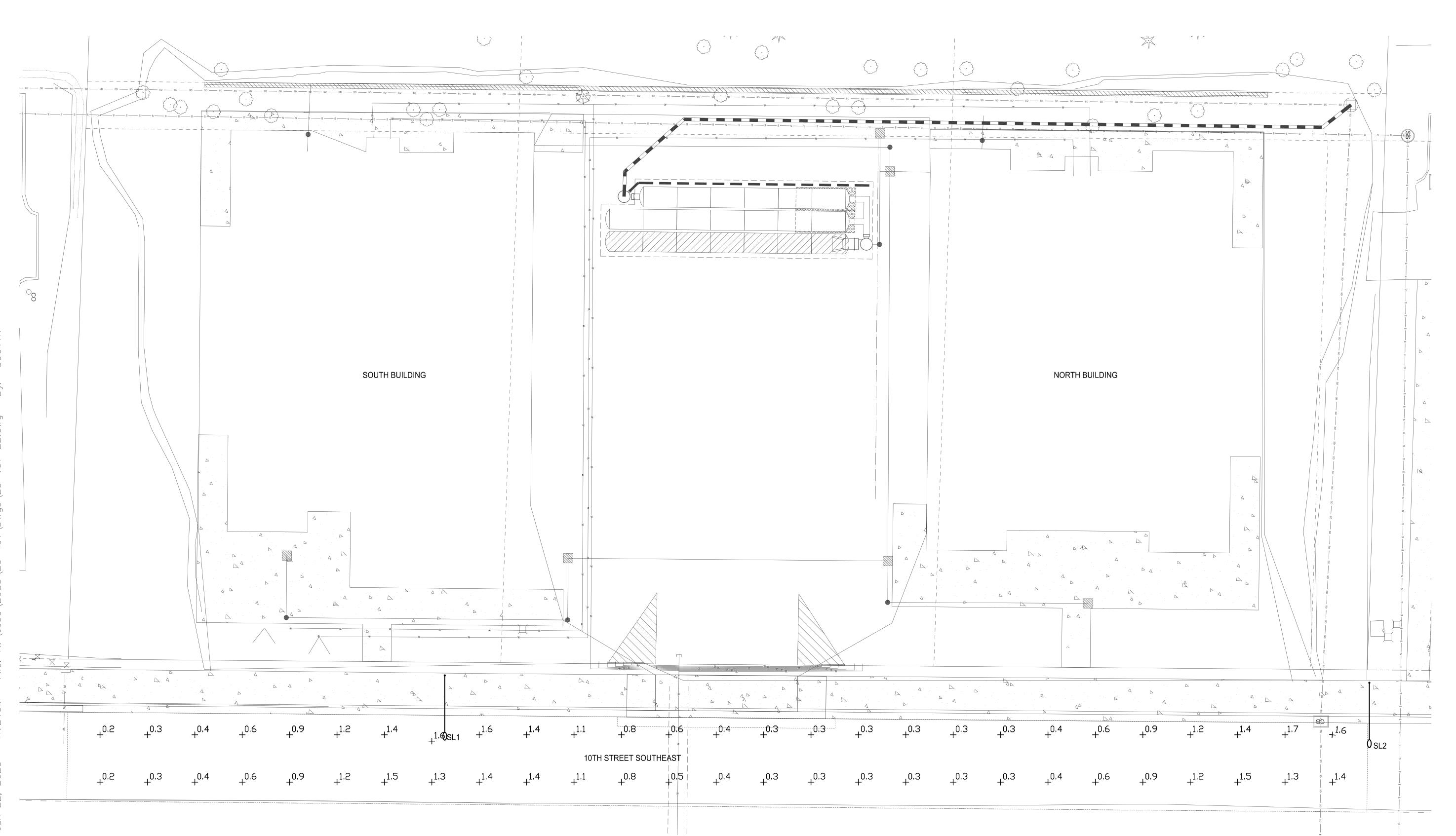
AVERAGE FOOTCANDLES = 0.8 FC

MAXIMUM FOOTCANDLES = 1.7 FC

MINIMUM FOOTCANDLES = 0.2 FC

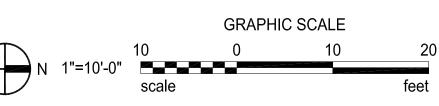
MAX:MIN. = 8.5:1

AVG.:MIN. = 4.0:1



STREET LIGHTING PHOTOMETRIC SITE PLAN
SCALE: 1"=10'-0"

N 1"=



IF SHEET IS LESS THAN 24" x 36" IT IS A REDUCED SET RECORD DRAWINGS

CROSS ENGINEERS, IN 923 Martin Luther King Jr. Way Phone: (253) 759-0118 Tacoma, WA 98405 Job Number: 23-101

OOPERBERRY STREET LIGHTII 4018 10TH STREET EAST PUYALLUP, WA 98374

REVISIONS:

LUMINAIRE#	STATION/ OFFSET	LUMINAIRE TYPE	MOUNTING HEIGHT	BASE	MAST ARM LENGTH	CITY LUMINAIRE#	COMMENTS
SL1	47.1524680°/ -122.2817455°	LEOTEK LED #GCJ3-30J-MV-40K-2R-GY-080 (58 WATT)	30'-0"	FIXED	12'-0"	-	
SL2	47.1528688°/ -122.2817536°	LEOTEK LED #GCJ3-30J-MV-40K-2R-GY-080 (58 WATT)	30'-0"	FIXED	12'-0"	-	
						-	
						-	

#### 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 11 1/2" BOLT CIRCLE WITH MINIMUM CLEARANCE OF 1" BETWEEN BOLT AND POLE.

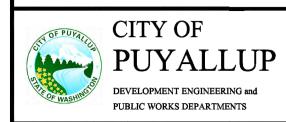
HANDHOLE CENTER SHALL BE LOCATED APPROXIMATELY 12 INCHES FROM THE BASE PLATE, ROTATED 270 DEGREES FROM MAST ARM SO AS THE HANDHOLE IS LOCATED ON THE SIDE OPPOSING ONCOMING TRAFFIC.

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

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

- d. MAST ARM ATTACHMENT SHALL BE SECURED BY 3 BOLTS.
- e. EACH POLE SHALL HAVE HANDHOLE (WITH COVER), GROUND LUG AND REMOVABLE POLE CAP.
- f. EACH CITY POLE SHALL HAVE A BLACK 4" TO 6" LETTER C STENCILED ON ROADWAY SIDE OF POLE 16" ABOVE GRADE.
- ANCHORAGE
- a. POLES SHALL BE ANCHORED WITH 4 BOLTS, 1"X36"X4" #8UNC WITH HOT DIPPED GALVANIZING AFTER THREADS ARE CUT. GALVANIZED AREA SHALL EXTEND FROM THREADED END FOR A MINIMUM OF 12 INCHES. BOLTS SHALL BE PROVIDED WITH 2 GALVANIZED NUTS AND FLAT WASHERS FOR LEVELING. SHIMS WILL NOT BE USED.
- b. A NON-SHRINKING GROUT SHALL BE INSTALLED WITH ONE 1/2" DRAIN HOLE UNDER THE BASE PLATE AFTER THE ENGINEER HAS APPROVED THE POLE INSTALLATION.
- CONDUIT

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



STREET LIGHT **SPECIFICATIONS** 

01.05.01 MON\STDS\CITY\2009\01\_STR\01.05\01.05.01

#### (STR LIGHT SPECS CONTINUED)

4. JUNCTION BOXES (WHEN REQUIRED)

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

CONDUCTORS, WIRES, ETC.

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

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

7. LUMINAIRES AND LAMPS

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

ARTERIALS AND COMMERCIAL COLLECTORS:

GE EVOLVE LED ERS2-E-0-HX-EX-5-40 (130 WATT LED)

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

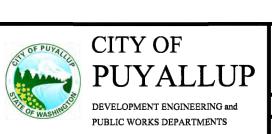
8. SAFE WIRING LABELS

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

ILLUMINATION.

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

10. LOCATION SEE CITY STANDARD SECTION 01.01 ROADWAY DESIGN.



STREET LIGHT SPECIFICATIONS (CONT.)

DATE APPROVED DATE REVISED SCALE 07/01/2009 02/25/2015 1:1 01.05.02

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- 2. THE LOCATION FEATURES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- 3. UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY
- 4. 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 AN DAMAGE TO UTILITIES.
- LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 6. CONTRACTOR SHALL COORDINATE WITH CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.341.8439 PRIOR TO CONSTRUCTION.
- 7. THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES AND CABINETS SHOWN
- 8. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED AT BACK OF SIDEWALK PER CITY STANDARD DETAIL 01.06.01.
- SIDEWALK.
- 11. INSTALL SHORTING CAPS ON LUMINAIRES PER CITY STANDARD DETAIL 01.05.10.
- 12. CONDUIT INSTALLED BELOW NEW AND EXISTING DRIVEWAYS SHALL BE PVC SCHEDULE 80.

#### **GENERAL NOTES:**

- THE CONTRACTOR PRIOR TO ILLUMINATION WORK.
- 5. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL
- 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.
- 9. CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF
- 10. 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 NOTED 23-101

Ž

ENGINEERS,

**CROSS** 

3

M

0

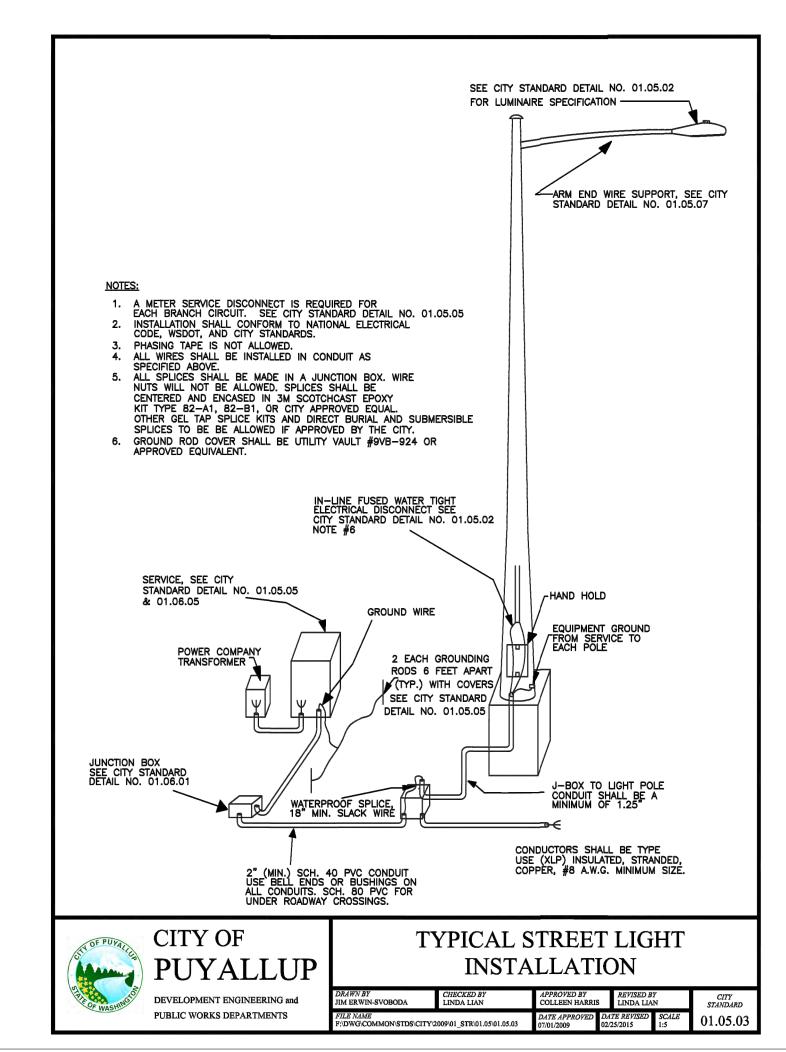
C

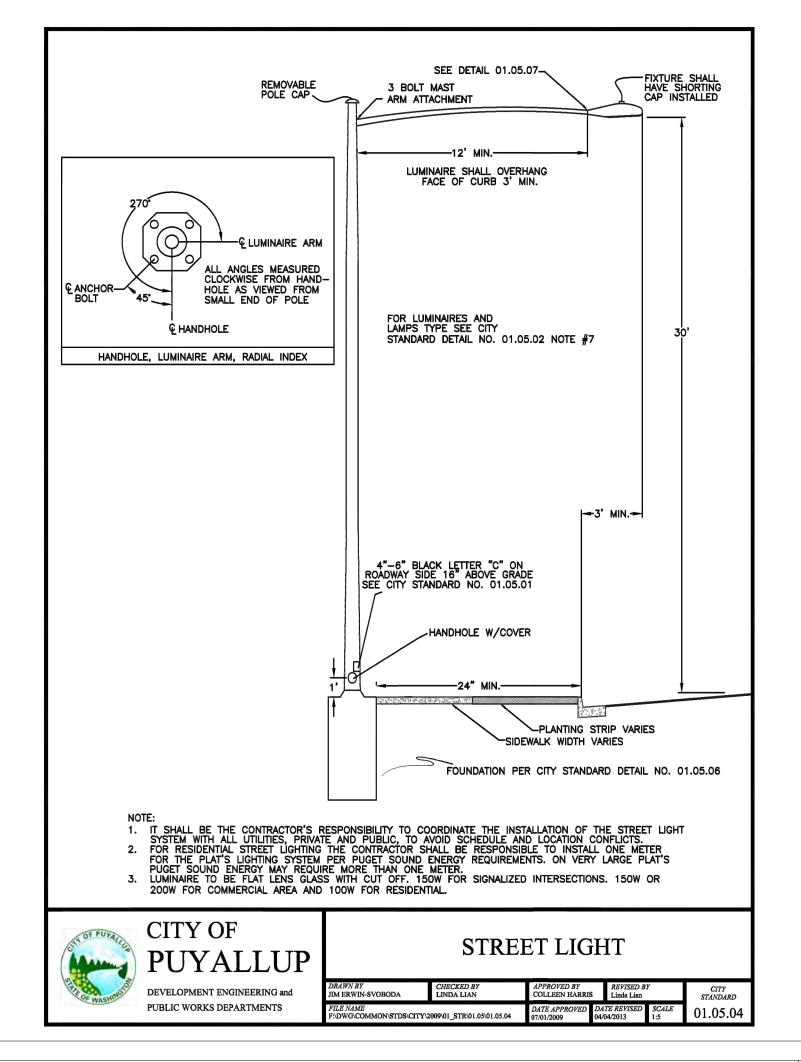
ERE 1018 PU

RE

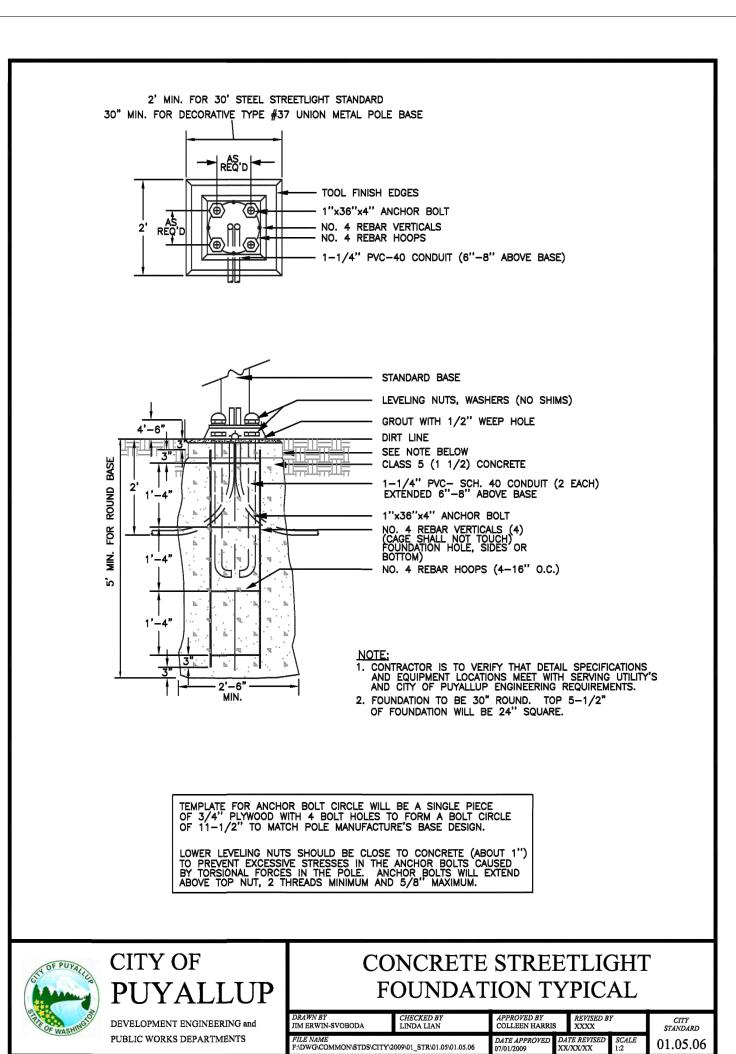
**REVISIONS:** 

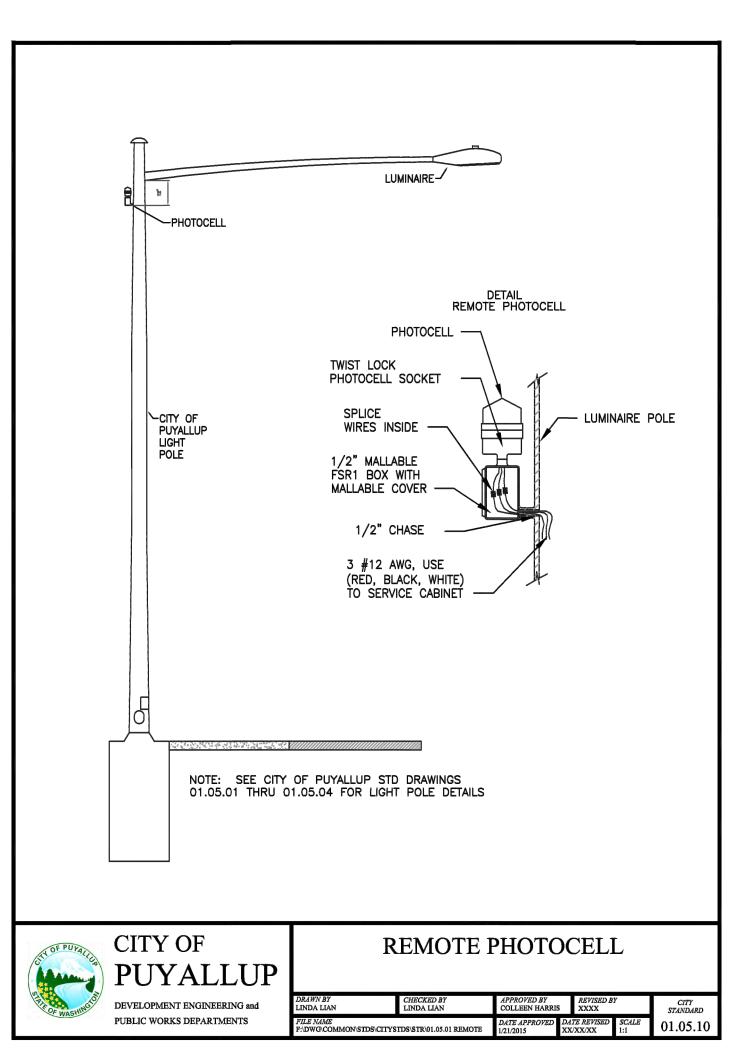
**RECORD DRAWINGS** 

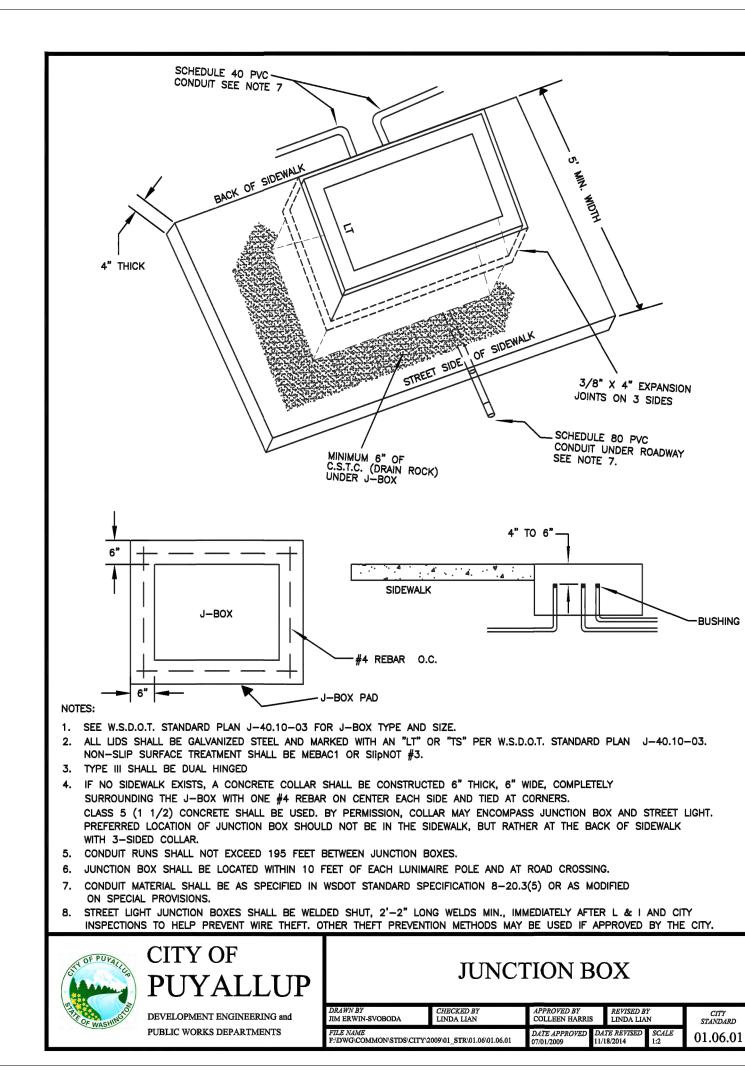


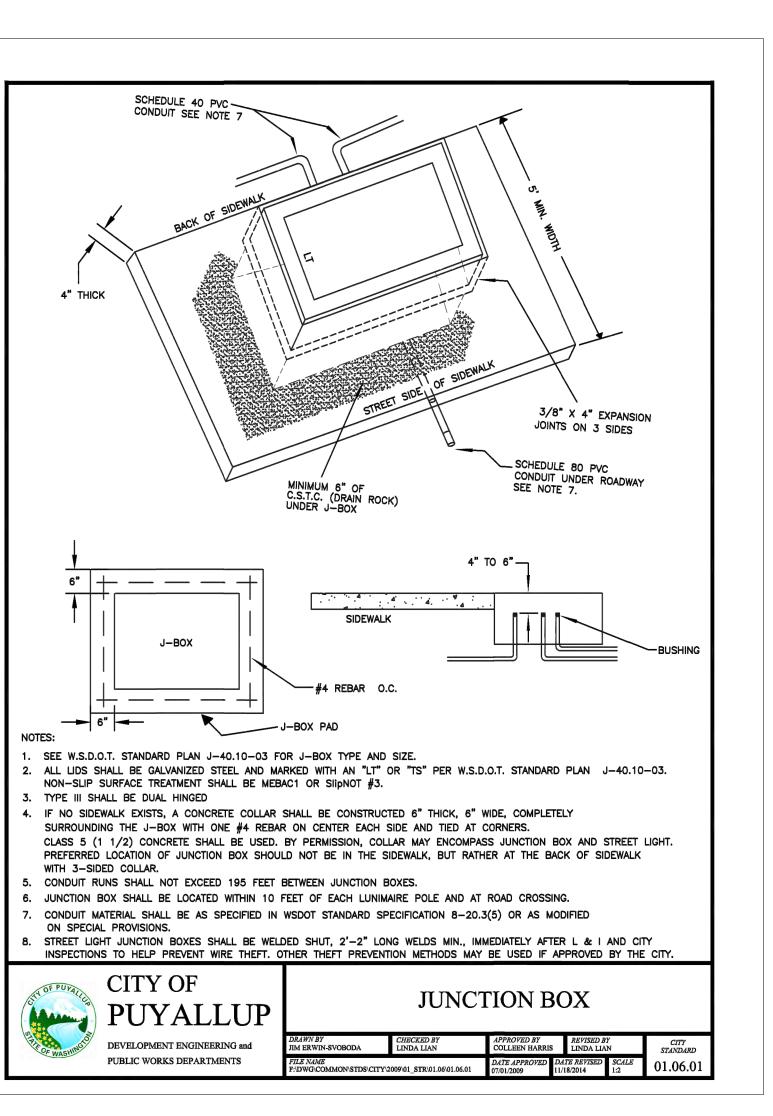


- 1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS
- 2. THE LOCATION FEATURES SHOWN ARE APPROXIMATE AND SHALL BE FIELD
- 3. UTILITY LOCATIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY
- 5. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 6. CONTRACTOR SHALL COORDINATE WITH CITY SIGNAL/ILLUMINATION TECHNICIAN AT 253.341.8439 PRIOR TO CONSTRUCTION.
- 7. 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.
- 8. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES SHALL BE FIELD LOCATED AT BACK OF SIDEWALK PER CITY STANDARD DETAIL 01.06.01.
- SURFACE EQUAL TO MEBAC1 OR SLIPNOT#3.
- 11. INSTALL SHORTING CAPS ON LUMINAIRES PER CITY STANDARD DETAIL 01.05.10.
- SCHEDULE 80.









## **GENERAL NOTES:**

- STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
- VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
- THE CONTRACTOR PRIOR TO ILLUMINATION WORK.
- 4. 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 AN DAMAGE TO UTILITIES.

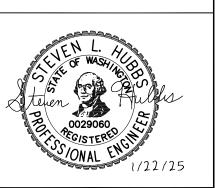
- 9. CONTRACTOR SHALL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
- 10. ANY NEW JUNCTION BOX WHICH WILL BE LOCATED WITHIN OR PARTIALLY WITHIN SIDEWALK SHALL HAVE LIDS AND FRAMES WITH A NON-SLIP COATING ON THE TOP
- 12. CONDUIT INSTALLED BELOW NEW AND EXISTING DRIVEWAYS SHALL BE PVC

LIGHTING 3 PERBI 4018 1 PUY 0 0 C **REVISIONS:** 

N

ENGINEERS,

**CROSS** 



AS NOTED 23-101