

Phone (253) 627-9131 Fax (253) 627-4730

MINIMUM OF 48 HOURS PRIOR

TO ANY EXCAVATION

APPROVED BY

D. RIELY-GIBBONS

SEPTEMBER 4, 2020

C1.0

GENERAL NOTES:

- 1. A COPY OF THESE APPROVED PLANS AND THE STANDARDS FOR CONSTRUCTION MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- ALL SEDIMENTATION/EROSION FACILITIES MUST BE IN OPERATION PRIOR TO CLEARING AND CONTINUE IN OPERATION UNTIL BUILDING CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
- 3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LOCAL MUNICIPALITY REGULATIONS AND REQUIREMENTS.
- 4. THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE ASSOCIATED WITH THE FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

STORM DRAINAGE NOTES:

- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH <u>CITY OF PUYALLUP</u> STANDARDS AND THE MOST CURRENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA) AND AS AMENDED BY THE COUNTY OR THE STATE.
- 2. TEMPORARY EROSION/ WATER POLLUTION PREVENTION MEASURES SHALL BE REQUIRED IN ACCORDANCE WITH SECTION 1-07.15, AS MODIFIED BY THE APWA SUPPLEMENT OF THE CURRENT STATE OF WASHINGTON STANDARD SPECIFICATIONS AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY 2012 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON AS AMENDED IN 2014 (DOE MANUAL).
- 2.1. SHOULD THE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THIS SET OF DRAWINGS NOT PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROL, THE APPLICANT/CONTRACTOR SHALL INSTALL ADDITIONAL FACILITIES AS NECESSARY TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- 3. CALL FOR UNDERGROUND LOCATE LINE 811 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
- 4. ALL EROSION CONTROL AND STORMWATER FACILITIES SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION.
- 5. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND OTHER RELATED OR REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THE MUNICIPALITY'S RIGHT-OF-WAY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL ABIDE BY ALL REQUIREMENTS FOR TRAFFIC CONTROL AND SAFETY WHEN WORKING IN THE ROAD
- 6. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN THE EVENT OR DISCOVERY OF POOR SOILS, STANDING GROUNDWATER, OR SEVERE DISCREPANCIES FROM SOIL LOGS DESCRIPTIONS AS NOTED ON THE PLANS.
- 7. FOR PUBLIC SYSTEMS, THE CONTRACTOR SHALL CALL FOR INSPECTION 48 HOURS PRIOR TO COVERING ANY DRAINAGE STRUCTURES.
- 8. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY, SIDEWALK OR GRAVEL PLAZA, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.

9. ALL COORDINATES FOR DRAINAGE STRUCTURES ARE CENTERED OF GRATE. CONTRACTOR TO

- LOCATE GRATES AT APPROXIMATE LOW POINTS AND SURFACE WATER FLOW LINES.
- 10. A PRE CONSTRUCTION MEETING SHALL BE HELD WITH THE LOCAL REGULATING MUNICIPALITY INSPECTOR PRIOR TO THE START OF CONSTRUCTION.
- 11. ALL STORM MAINS AND RETENTION/DETENTION AREAS SHALL BE STAKED FOR GRADE AND ALIGNMENT BY AN ENGINEER OR SURVEYING FIRM, OR A CONTRACTOR APPROVED BY THE CITY.
- 12. STORM DRAIN PIPE SHALL MEET THE FOLLOWING REQUIREMENTS:
- 12.1. PLAIN CONCRETE PIPE CONFORMING TO THE REQUIREMENTS OF AASHTO M 86, CLASS 2.
- 12.2. REINFORCED CONCRETE PIPE CONFORMING TO THE REQUIREMENTS OF AASHTO M 170.
- 12.3. PVC PIPE SHALL CONFORM TO ASTM D 3034-73 SDR 35 FOR 4' THROUGH 15" DIAMETER PVC PIPE, AND SHALL CONFORM TO ASTM F 679 FOR 18" THROUGH 27" DIAMETER PIPE WITH JOINTS AND GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477.
- 12.4. DUCTILE IRON PIPE (DIP) CONFORMING TO THE REQUIREMENTS OF ANSI A21.51, AND AWWA C 151, THICKNESS CLASS AS SHOWN ON THE PLANS.
- 12.5. POLYETHYLENE (HDPE) SMOOTH INTERIOR WALL PIPE PER ADVANCED DRAINAGE SYSTEMS N-12 PIPE (N-12) CONSTRUCTION PER THE STANDARD SPECIFICATIONS 7-04.
- 12.6. THE MINIMUM COVER FOR PVC PIPE SHALL BE 36". THE MINIMUM COVER FOR ADS OR DUCTILE IRON PIPE SHALL BE 12". THE MINIMUM COVER FOR ALL OTHER PIPE SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS, BUT NOT LESS THAN 12" MIN.
- 13. STORM DRAIN PIPE INSTALLATION SHALL MEET MANUFACTURER'S SPECIFICATIONS FOR JOINT DEFLECTION, PIPE DEFLECTION, DEPTH, PIPE BEDDING, PIPE BEDDING COMPACTION, AND ALL OTHER MANUFACTURER'S SPECIFICATIONS.

14. ROOF DRAIN PIPE MATERIAL SHALL BE ONE OF THE FOLLOWING:

- 14.1. PVC SOLID WALL PIPE WHICH MEETS ASTM D3034.
- 14.2. CORRUGATED POLYETHYLENE PIPE WITH SMOOTH INTERIOR WHICH MEETS ASHTO M252 OR M294

SEWER NOTES:

- CONTRACTOR SHALL RECORD ANY FIELD DEVIATION FROM ENGINEERING PLAN. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO ENGINEER UPON COMPLETION OF PROJECT.
- 2. THE CONTRACTOR SHALL VERIFY DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINT OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. POTHOLING OF SYSTEM (AS REQUIRED) SHALL BE INCLUDED IN BASE BID.
- 3. CLEANOUTS: CONFORM TO <u>CITY OF PUYALLUP</u> STANDARDS.

CONSTRUCTION NOTES:

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING BEDDING MATERIAL FOR INSTALLATION OF THE WATER MAIN, SANITARY SEWER, AND STORM DRAIN PIPES. THIS MATERIAL MAY INCLUDE PEA GRAVEL, SAND, OR FOUNDATION FOR BEDDING MATERIAL, IF REQUIRED BY THE EXISTING SITE
- 2. CONTRACTOR SHALL RECORD ANY APPROVED FIELD DEVIATION FROM ENGINEERING PLAN. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO ENGINEER UPON COMPLETION OF PROJECT.
- 3. THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER AND LOCAL REGULATING MUNICIPALITY INSPECTOR IN THE EVENT OF THE DISCOVERY OF POOR SOILS., STANDING GROUNDWATER OR DISCREPANCIES FROM THE PLANS IN GRADES, LOCATION AND CONSTRUCTION OF UTILITIES, STRUCTURES, AND OTHER EXISTING CONDITIONS.
- FOR ALL UTILITIES, THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF THE POINTS OF CONNECTION PRIOR TO CONSTRUCTION.
- 5. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER/CONTRACTOR TO OBTAIN NECESSARY PERMITS, CONSTRUCTION EASEMENTS AND RELEASES.
- 6. THE MINIMUM LENGTH OF CONCRETE ENCASING SHALL BE 20 LINEAR FEET.
- 7. ALL PAVEMENT RESTORATION REQUIREMENTS IN THE PUBLIC RIGHT-OF-WAY SHALL BE DETERMINED BY THE PERMITTING JURISDICTION UPON APPLICATION AND ISSUANCE OF A RIGHT-OF-WAY PERMIT OR EQUAL THEREOF. IN ADDITION, AT THE PERMITTING JURISDICTION'S DISCRETION, ALTERNATIVE CONSTRUCTION METHODS OTHER THAN STANDARD OPEN TRENCH CONSTRUCTION MAY BE REQUIRED FOR THE SANITARY SEWER CONSTRUCTION SHOWN ON THESE APPROVED CONSTRUCTION PLANS.

WATER NOTES:

- 1. CONTRACTOR SHALL RECORD ALL APPROVED FIELD DEVIATION FROM ENGINEERING PLAN. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO ENGINEER UPON COMPLETION OF PROJECT.
- 2. THE CONTRACTOR SHALL VERIFY DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINT OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. POTHOLING OF SYSTEM (AS REQUIRED) SHALL BE INCLUDED IN BASE BID.
- VERTICAL SEPARATION WITH STORM DRAIN PIPES.

3. WATER MAIN: INSTALL WITH 42 INCHES COVER, MINIMUM, MAINTAIN A 6-INCH SAND CUSHION

- 4. FIRE HYDRANTS: CONFORM TO THE <u>CITY OF PUYALLUP</u> STANDARDS. LOCATION GIVEN TO APPROXIMATE CENTER OF HYDRANT.
- 5. VALVE BOXES: CONFORM TO <u>CITY OF PUYALLUP</u> STANDARDS. LOCATE AS SHOWN ON PLANS. ALL VALVES SHALL HAVE A VALVE BOX.
- 6. THRUST BLOCKING: CONTRACTOR SHALL INSTALL THRUST BLOCKING AT ALL VALVES, INCLUDING IN-LINE VALVES, FITTINGS, BENDS, PLUGS, STUBS, AND APPURTENANCES AS REQUIRED BY CITY OF PUYALLUP STANDARDS. THRUST BLOCKING SHALL CONFORM TO CITY OF PUYALLUP STANDARDS
- 7. CONTRACTOR TO FURNISH AND INSTALL METER BOX AND VALVE AT WATER SERVICES.
- 8. EXISTING VALVES: SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY TO MATCH FINISH GRADE. ADJUSTMENT INCLUDES INSTALLATION OF VALVE BOX AND COVER.
- 9. EXISTING AIR RELEASE ASSEMBLIES: SHALL BE ADJUSTED AND/OR RELOCATED AS NECESSARY TO MATCH FINISH GRADE.
- 10. WATER AND SEWER CROSSINGS: MAINTAIN 18" VERTICAL SEPARATION ON WATER AND SEWER CROSSINGS (EXCEPT WHERE SPECIFICALLY IDENTIFIED ON PLANS). WATER LINE TO ALWAYS CROSS ABOVE SEWER MAINS. MAINTAIN 10' MINIMUM SEPARATION ON PARALLEL WATER AND SEWER LINES AND SERVICES. WATER LINE TO BE ENCASED WHEN 18" VERTICAL SEPARATION IS NOT POSSIBLE.
- 11. BENDS: BENDS SHALL BE INSTALLED PER THE MANUFACTURER'S GUIDELINES AND PER THE DRAWINGS. ADDITIONALLY, THE CONTRACTOR SHALL PROVIDE AND INSTALL ADDITIONAL BENDS IN LIEU OF DEFLECTING THE PIPE IF THE <u>CITY OF PUYALLUP</u> INSPECTOR OR CITY ENGINEER DEEM IT NECESSARY

DEMOLITION NOTES:

- 1. COORDINATE ALL UTILITY DEMOLITION WITH THE RESPECTIVE PROPOSED UTILITY PLAN PRIOR TO REMOVAL. ALL UTILITY LINES MUST REMAIN IN SERVICE WITH ANY REQUIRED DISRUPTION SCHEDULED DURING TYPICAL CONSTRUCTION WORK HOURS.
- LOCATION OF UTILITIES SHOWN IN THESE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION CONTRACTOR IS TO FIELD VERIFY LOCATIONS AND ELEVATION AT POINTS OF CONNECTION BEFORE BEGINNING WORK.
- 3. CONTRACTOR TO ONLY EXCAVATE THE AMOUNT OF UTILITY THAT CAN BE REMOVED WITHIN THE WORKDAY. UPON COMPLETION OF REMOVAL AND INSTALLATION OF NEW UTILITY. THE CONTRACTOR WILL BACKFILL THE TRENCH AS ALLOWED BY LOCAL JURISDICTION.
- 4. WHEN ITEM IS TO BE "DEMOLISHED" OR "DEMOLITION" IS TO OCCUR, CONTRACTOR TO CUT AND REMOVE, OR ABANDON (IF ALLOWED BY OWNER AND UTILITY PURVEYOR, IF APPLICABLE AND WILL NOT CONFLICT WITH OTHER PROPOSED IMPROVEMENTS). ALL DEMOLISHED ITEMS TO BE DISPOSED OF OFF-SITE AT CONTRACTOR'S EXPENSE. CONTRACTOR IS ALSO REQUIRED TO TAKE ALL NECESSARY STEPS TO MAINTAIN EXISTING UTILITY SERVICE OR OTHER FUNCTION DURING DEMOLITION UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE OWNER.

HZ STORMWATER NOTES:

- CONTRACTOR SHALL RECORD ANY FIELD DEVIATION FROM ENGINEERING PLAN. THESE RECORDS SHALL BE KEPT ON CONSTRUCTION DRAWINGS AND TURNED OVER TO ENGINEER UPON COMPLETION OF PROJECT.
- 2. THE CONTRACTOR SHALL VERIFY DIA, LENGTH, CONDITION, PIPE TYPE, SLOPE AND VERTICAL AND HORIZONTAL ALIGNMENT OF THE EXISTING ALIGNMENT OF THE PROPOSED POINT OF CONNECTION PRIOR TO CONNECTION AND REPORT ANY DISCREPANCIES TO ENGINEER PRIOR TO CONSTRUCTION. POTHOLING OF SYSTEM (AS REQUIRED) SHALL BE INCLUDED IN BASE BID.
- 3. CATCH BASINS: SHALL BE AS SPECIFIED TYPE 1, TYPE 1L OR TYPE 2 AND CONFORM TO WSDOT STANDARD PLANS B-5.20-01, B-5.40-01 AND B-10.20-01 AS REQUIRED. INSTALL WITH GRATE UNLESS OTHERWISE NOTED
- 4. CATCH BASIN GRATES: CONFORM TO CITY OF PUYALLUP STANDARDS AND WSDOT STD PLANS B-30.10-01 AND B-30.50-01 AS REQUIRED. SHALL BE DEPRESSED 0.10 FEET BELOW PAVEMENT LEVEL OR FINISHED GRADE. GRATE ELEVATION ON PLANS REFLECT THE 0.10 FOOT DEPRESSION.
- 5. CATCH BASIN SOLID METAL LIDS: SHALL CONFORM TO WSDOT STD PLAN B-30.20-02 AND BE OF LOCKING TYPE AND SHALL USE REVERSIBLE FRAME STD PLAN B-30.50-01.
- 6. CATCH BASIN STEPS: CONFORM TO WSDOT STD PLAN B-30.90-01.
- 7. MISCELLANEOUS CATCH BASIN DETAILS: CONFORM TO WSDOT STD PLAN B-30.90-01.
- 8. STATION AND OFFSETS FOR CATCH BASINS ARE TO CENTER OF STRUCTURE. CONTRACTOR TO LOCATE GRATES AT APPROPRIATE LOW POINTS AND SURFACE WATER FLOW LINES.
- 9. ALL FABRICATED AND MISCELLANEOUS STEELS IN CATCH BASINS, INCLUDING BUT NOT LIMITED TO STEPS AND CHAINS, SHALL BE GALVANIZED AFTER FABRICATION IN CONFORMANCE WITH ASTM A125, A153, A384, A385, AND A386.
- 10. CATCH BASIN ANTI-DUMPING MESSAGE: CONFORM TO CITY OF LACEY DWG 5-2 "CATCH BASIN ANTI-DUMP MESSAGE TYPE II", SHEET C2.10. ANTI-DUMPING MESSAGE SHALL BE STENCILED ONTO PAVEMENT ADJACENT TO ALL CATCH BASINS AND CURB INLETS. STENCILING TO BE AS APPROVED BY THE CITY OF LACEY.
- 11. ALL BEDDING, BACKFILL AND FOUNDATION MATERIAL FOR PIPES AND STRUCTURES SHALL BE IMPORTED MATERIAL FROM A <u>CITY OF PUYALLUP</u> APPROVED AND PERMITTED SITE.

CITY OF PUYALLUP
DEVELOPMENT SERVICES

DATE 10/15/2020

NOTE: THIS APPROVAL IS VOID
AFTER 180 DAYS FROM APPROVAL
DATE.

THE CITY WILL NOT BE

APPROVED

ED ED

> RESPONSIBLE FOR ERRORS AND/ OR OMISSIONS ON THESE PLANS.
> FIELD CONDITIONS MAY DICTATE

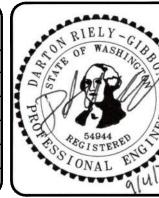
CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

THE CONTRACTOR SHALL BE FULLY
RESPONSIBLE FOR THE LOCATION AND
PROTECTION OF ALL EXISTING
UTILITIES AND SHALL VERIFY ALL
UTILITY LOCATIONS PRIOR TO
CONSTRUCTION BY CALLING THE:
UNDERGROUND LOCATE LINE:
811

MINIMUM OF 48 HOURS PRIOR

TO ANY EXCAVATION

NO. REVISION DATE



HUIT-ZOLARS

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Tacoma, Washington 98402
Phone (253) 627-9131 Fax (253) 627-4730

DESIGNED BY SCALE: NOT TO SCALE D. RIELY-GIBBONS FILENAME: DRAWN BY: R310080.01_C1.1 Z. HOFFMAN CONTRACT NO: CHECKED BY: B. DUNNING R310080.01 APPROVED BY: DATE: SEPTEMBER 4, 2020 D. RIELY-GIBBONS

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 HUITT-ZOLLARS GENERAL NOTES

SHT. 2 OF 20

C1.

PLANS AT THE MEETING.

2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.

3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").

4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.

5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.

6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.

7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.

8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.

9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.

10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.

11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.

12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.

13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.

14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360) 407-6300.

15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

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.

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 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.

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 INVERT OF THE STORM PIPE.

12. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE

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 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 OR DUCTILE IRON PIPE.

14.a. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.

14.b. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.

CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN

14.d. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT

14.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

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. AFTER ALL OTHER UTILITIES ARE INSTALLED AND PRIOR TO ASPHALT WORK, ALL STORM PIPE SHALL PASS A LOW PRESSURE AIR TEST IN ACCORDANCE WITH SECTION 7-04.3(4)d OF THE STANDARD SPECIFICATIONS. PRODUCTS USED TO SEAL THE INSIDE OF THE PIPE ARE NOT TO BE USED TO OBTAIN THE AIR TEST.

19. ALL STORM DRAIN MAINS SHALL BE MANDRELLED.

20. 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.

CITY OF PUYALLUP SEWER NOTES:

A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SECTION 34, TOWNSHIP 20 N, RANGE 04 E, W.M., PIERCE COUNTY, WA

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 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT

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

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 CONTACTED 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.

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 401TM EPOXY 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. 06.01.02.

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.

CITY OF PUYALLUP WATER SYSTEM 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"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.

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. THE ENGINEERING SERVICES STAFF, AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, 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.

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. BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY.

9. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.

10. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.

11. CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL TAPPING SLEEVE OR APPROVED EQUAL. A TWO-PIECE EPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6 INCH TAP ON 8 INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.

12. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING.

13. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.

14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.

15. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER.

BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES. 16. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT

CONFORMING TO AWWA SPECIFICATION C111-72.

17. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.

18. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.

19. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.

20. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.

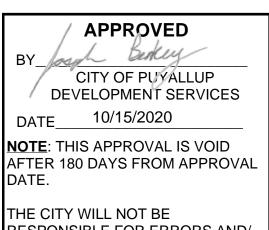
21. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.

22. WHEN HYDRAULIC FIRE FLOW MODELING IS REQUIRED FOR A PROJECT. THE CITY WILL ISSUE A PERMIT. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED 2030 WATER DEMAND, WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH

23. WHEN FILLING A NEW WATER MAIN FOR PURITY WITH HIGHLY CONCENTRATED CHLORINE WATER, THAT "SUPER" CHLORINATED WATER CANNOT SIT INSIDE THE NEW WATER MAIN FOR GREATER THAN 5 DAYS.

AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND.

24. WHEN USING A FIRE HYDRANT FOR NON-FIREFIGHTING PURPOSES, A CITY HYDRANT METER MUST BE USED. COORDINATE THE ACQUISITION OF THE HYDRANT METER WITH THE CITY'S UTILITY BILLING DIVISION AT PUYALLUP CITY HALL. A CITY APPROVED BACKFLOW PROTECTION ASSEMBLY SHALL BE INSTALLED BY THE PERSON REQUESTING USE OF A FIRE HYDRANT. THE ASSEMBLY SHALL BE ACCOMPANIED BY A CURRENT BACKFLOW ASSEMBLY TEST REPORT. THE TEST REPORT SHALL BE AVAILABLE AT THE SITE FOR THE DURATION OF THE HYDRANT USE.



RESPONSIBLE FOR ERRORS AND/ OR OMISSIONS ON THESE PLANS.

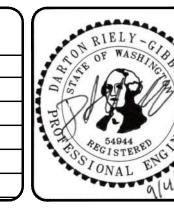
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE: UNDERGROUND LOCATE LINE:

MINIMUM OF 48 HOURS PRIOR

TO ANY EXCAVATION

REVISION DATE



1102 Broadway, Suite 301 Tacoma, Washington 98402 Phone (253) 627-9131 Fax (253) 627-4730

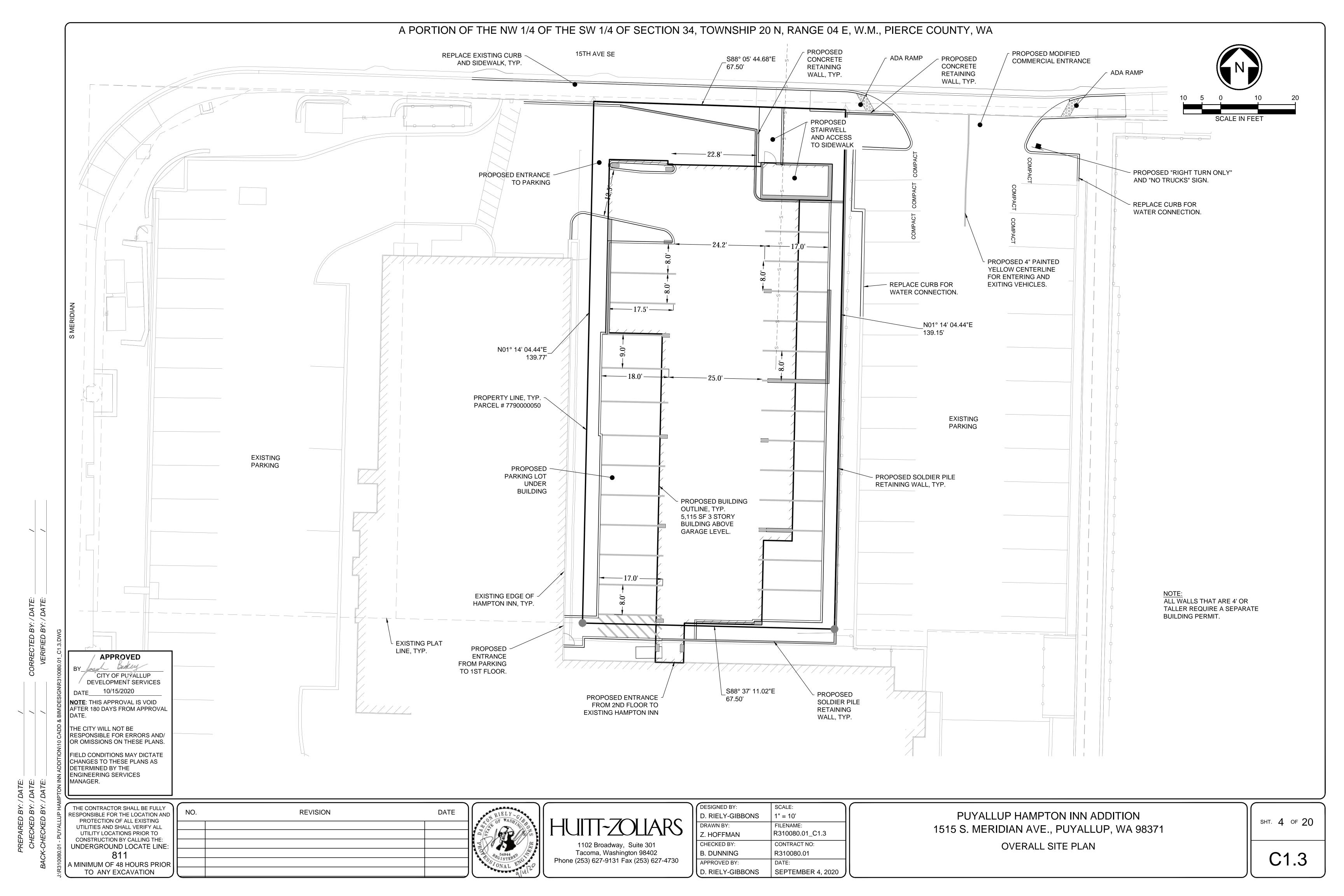
DESIGNED BY SCALE: NOT TO SCALE D. RIELY-GIBBONS FILENAME: DRAWN BY: R310080.01_C1.2 Z. HOFFMAN CONTRACT NO: CHECKED BY: B. DUNNING R310080.01 APPROVED BY: DATE: D. RIELY-GIBBONS SEPTEMBER 4, 2020

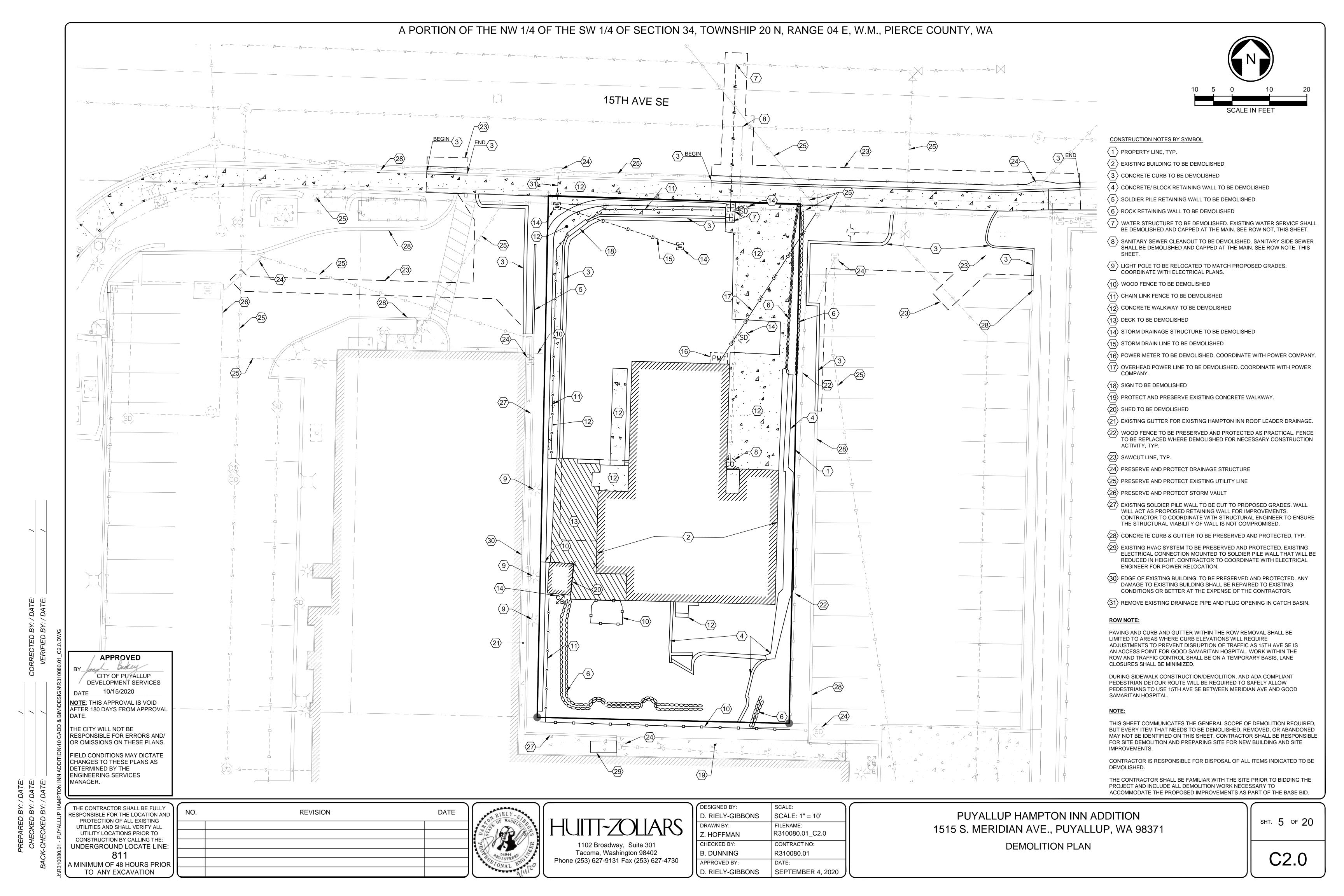
PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 CITY OF PUYALLUP GENERAL NOTES

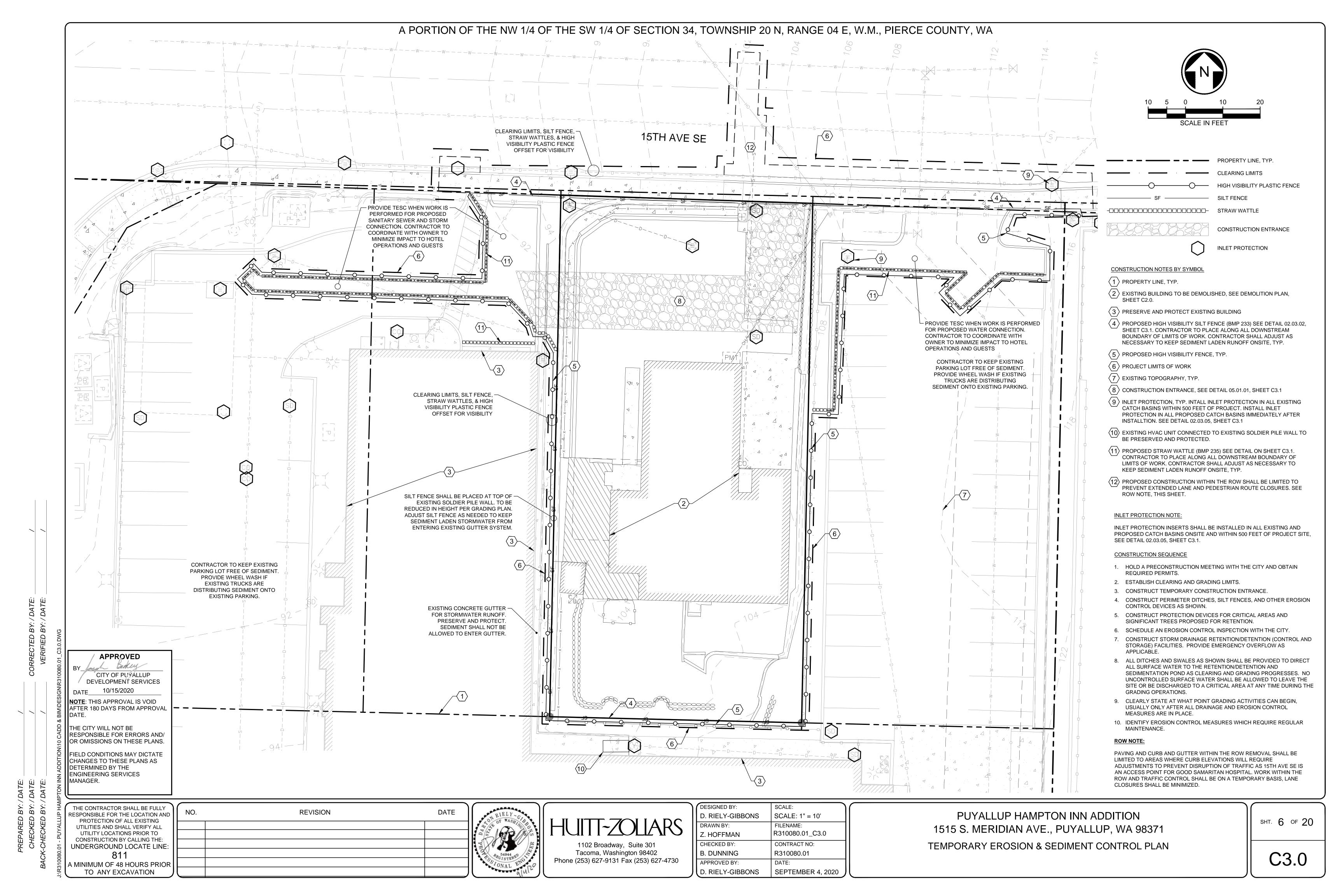
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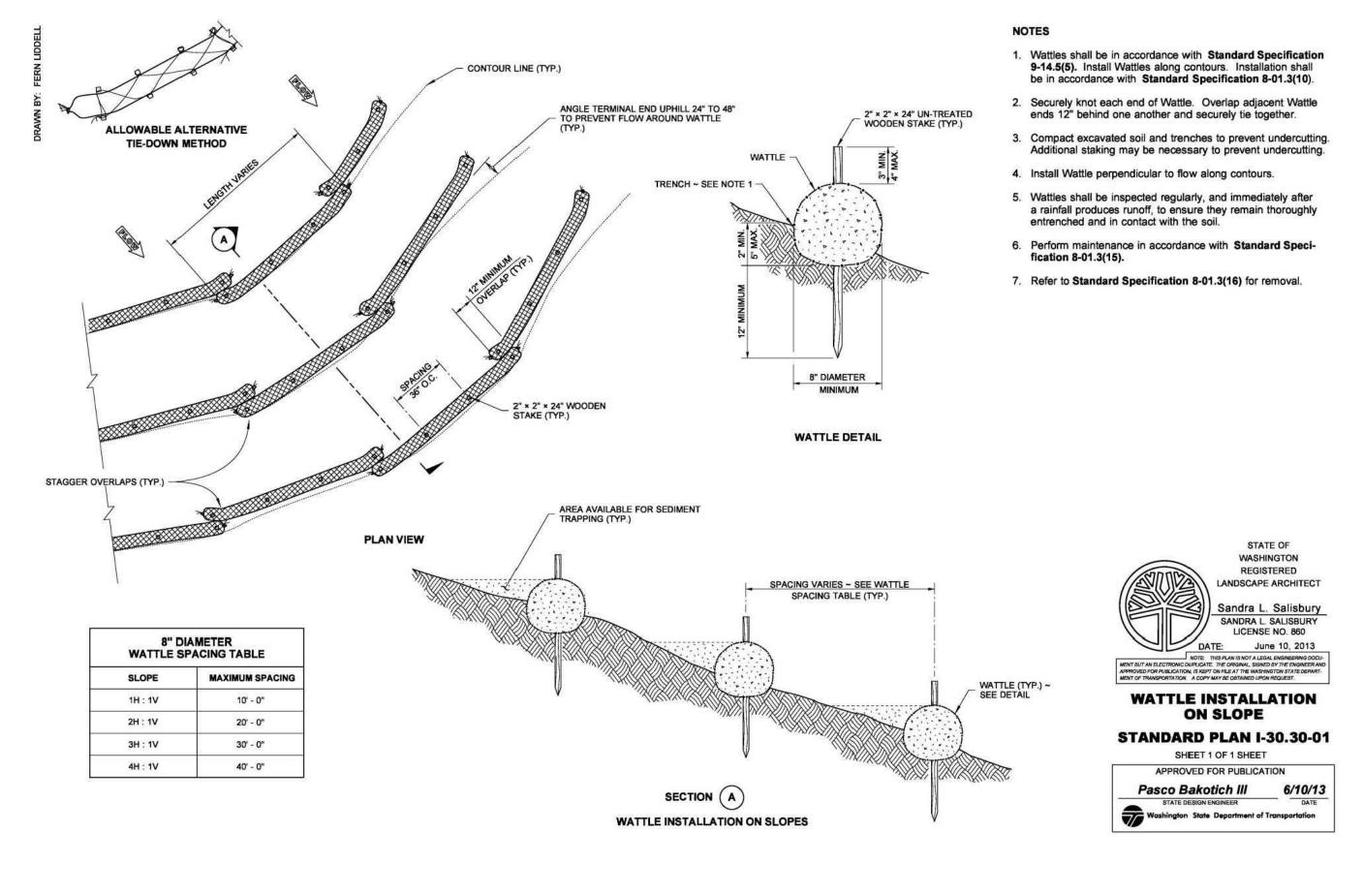


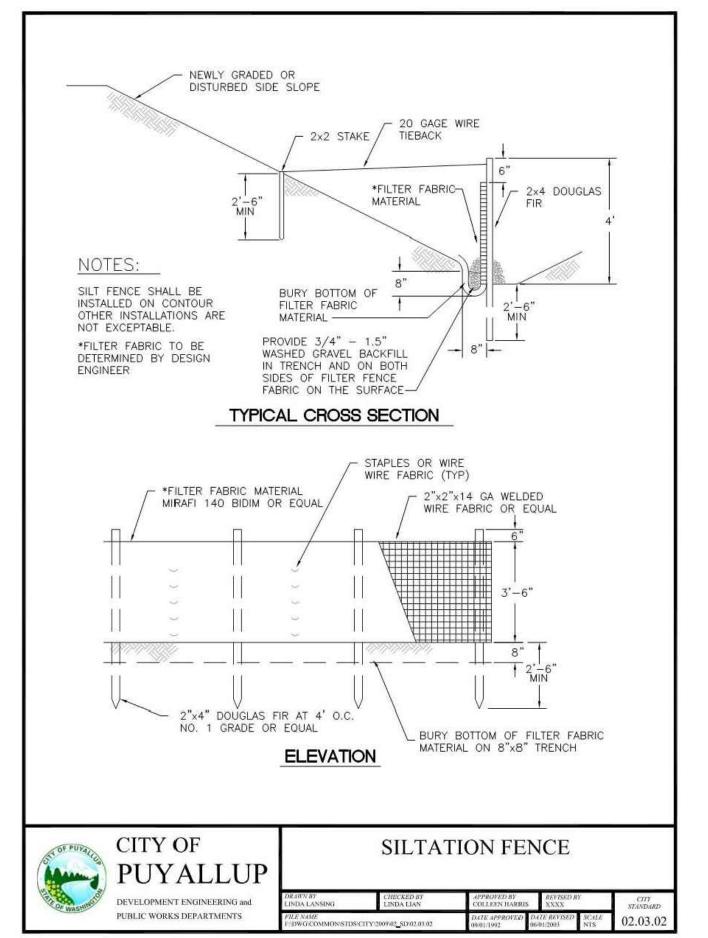


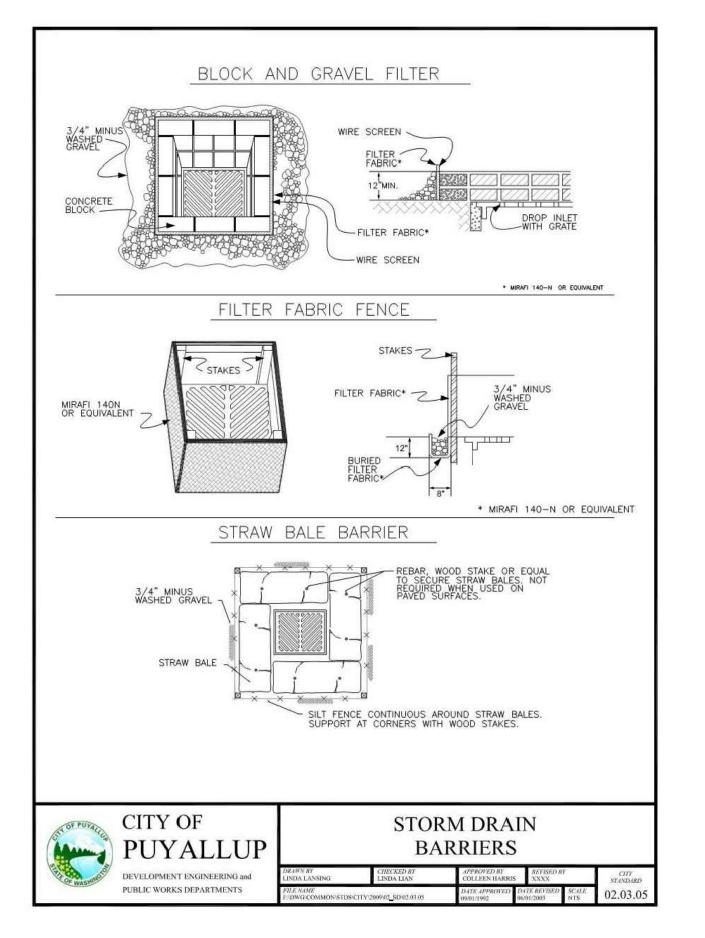


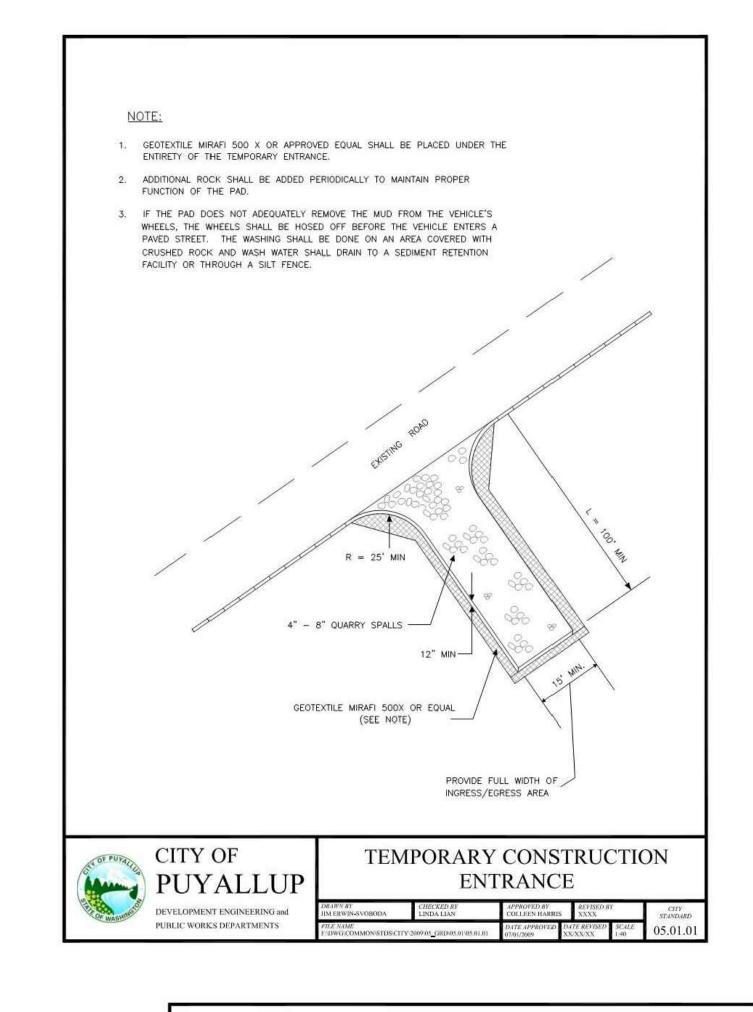
CITY OF PUYALLUP GRADING, EROSION AND SEDIMENTATION CONTROL NOTES

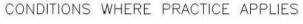
- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, 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
- 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").
- 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 HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- 10. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.
- 11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY
- 12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS
- 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.











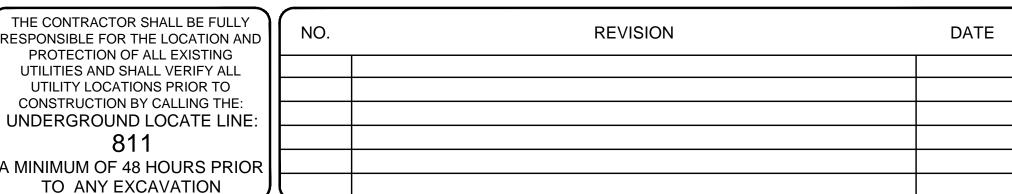
- . BLOCK AND GRAVEL FILTER APPLICABLE FOR AREAS GREATER THAN 5% SLOPE.
- FILTER FABRIC FENCE APPLICABLE WHERE THE INLET DRAINS A RELATIVELY SMALL (ONE ACRE OR LESS)
- S. STRAW BALE BARRIER APPLICABLE WHERE INLET DRAINS A RELATIVELY FLAT DISTURBED AREA (LESS THAN 5% SLOPE) IN WHICH SHEET FLOW (NOT EXCEEDING 0.5 FT/SEC.) OCCURES. BARRIERS OF THIS TYPE SHOULD NOT BE PLACED AROUND INLETS RECEIVING CONCENTRATED FLOWS SUCH AS THOSE ALONG MAJOR STREETS
- BLOCK AND GRAVEL FILTER INSTALLATION PROCEDURE
- A: PLACE WIRE MESH OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF ONE FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. USE WIRE SCREEN WITH 1/2-INCH OPENINGS. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, OVERLAP THE STRIPS. PLACE FILTER FABRIC* OVER WIRE MESH.
- B: PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, SO THAT THE OPEN ENDS FACE OUTWARD, NOT UPWARD. THE ENDS OF ADJACENT BLOCKS SHOULD ABUT. THE HIEGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF BLOCKS THAT ARE 4—INCH, 8—INCH AND 12—INCH WIDE. THE ROW OF BLOCKS SHOULD BE AT LEAST 12—INCHES
- C: PLACE WIRE SCREEN OVER THE OVERSIDE VERTICAL FACE (OPEN END) OF THE CONCRETE BLOCKS TO PREVENT STONES FROM BEING WASHED THROUGH THE BLOCKS. USE WIRE SCREEN WITH 1/2-INCH OPENINGS.
- D: PILE STONES AGAINST THE WIRE MESH TO THE TOP OF THE BLOCKS. USE 3/4" MINUS WASHED GRAVEL.
- FILTER FABRIC FENCE INSTALLATION PROCEDURE
- A: PLACE 2-INCH BY 2-INCH WOODEN STAKES AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APART AND DRIVE THEM AT LEAST 8-INCHES INTO THE GROUND. THE STAKES MUST BE AT LEAST 3 FEET
- B: EXCAVATE A TRENCH APPROXIMATELY 8-INCHES WIDE AND 12-INCHES DEEP AROUND THE OUTSIDE PERIMETER OF THE STAKES.
- C: STAPLE THE FILTER FABRIC* TO THE WOODEN STAKES SO THAT 32-INCHES OF THE FABRIC EXTENDS AND CAN BE FORMED INTO THE TRENCH, AND USE HEAVY-DUTY WIRE STAPLES AT LEAST
- D: BACKFILL THE TRENCH WITH 3/4-INCH MINUS WASHED GRAVEL ALL THE WAY AROUND.
- STRAW BALE BARRIER INSTALLATION PROCEDURE
- A: EXCAVATE A 4-INCH DEEP TRENCH AROUND THE INLET. MAKE THE TRENCH AS WIDE AS A STRAW BALE. B: ORIENT STRAW BALES WITH THE BINDINGS AROUND THE SIDES OF THE BALES RATHER THAN OVER AND UNDER THE BALES.
- C: PLACE BALES LENGTHWISE AROUND THE INLET AND PRESS THE ENDS OF ADJACENT BALES SECURELY
- D: DRIVE TWO 2-INCH BY 2-INCH STAKES THROUGH EACH BALE TO ANCHOR THE BALE SECURELY IN PLACE.
- E: BACKFILL THE EXCAVATED SOIL AND COMPACT IT AGAINST THE BALE
- F: WEDGE LOOSE STRAW BETWEEN BALES TO PREVENT WATER FROM FLOWING BETWEEN BALES.

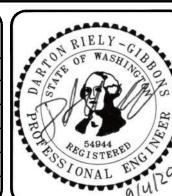




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NSING	CHECKED BY LINDA LIAN	APPROVED BY COLLEEN HARRIS	REVISED 8	Y .	CITY STANDARD
E OMMON'STDS/CTTY/2009/02_SD/02.03.06		DATE APPROVED 09/01/1992	DATE REVISED 06/01/2003	SCALE NTS	02.03.06









DESIGNED BY:	SCALE:
D. RIELY-GIBBONS	NOT TO SCALE
DRAWN BY:	FILENAME:
Z. HOFFMAN	R310080.01_C3.1
CHECKED BY:	CONTRACT NO:
B. DUNNING	R310080.01
APPROVED BY:	DATE:
D. RIELY-GIBBONS	SEPTEMBER 4, 2020

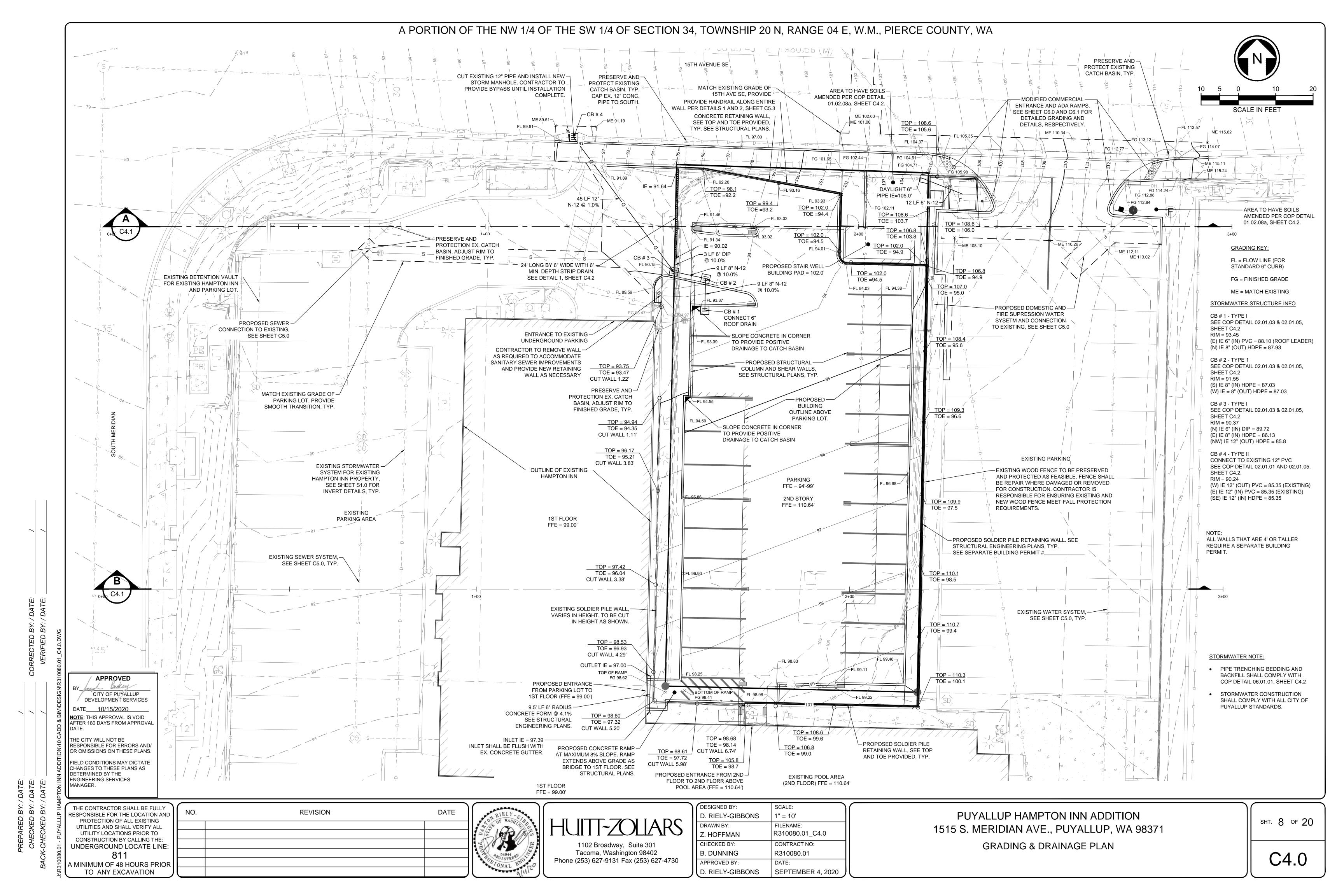
PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 TESC NOTES & DETAILS

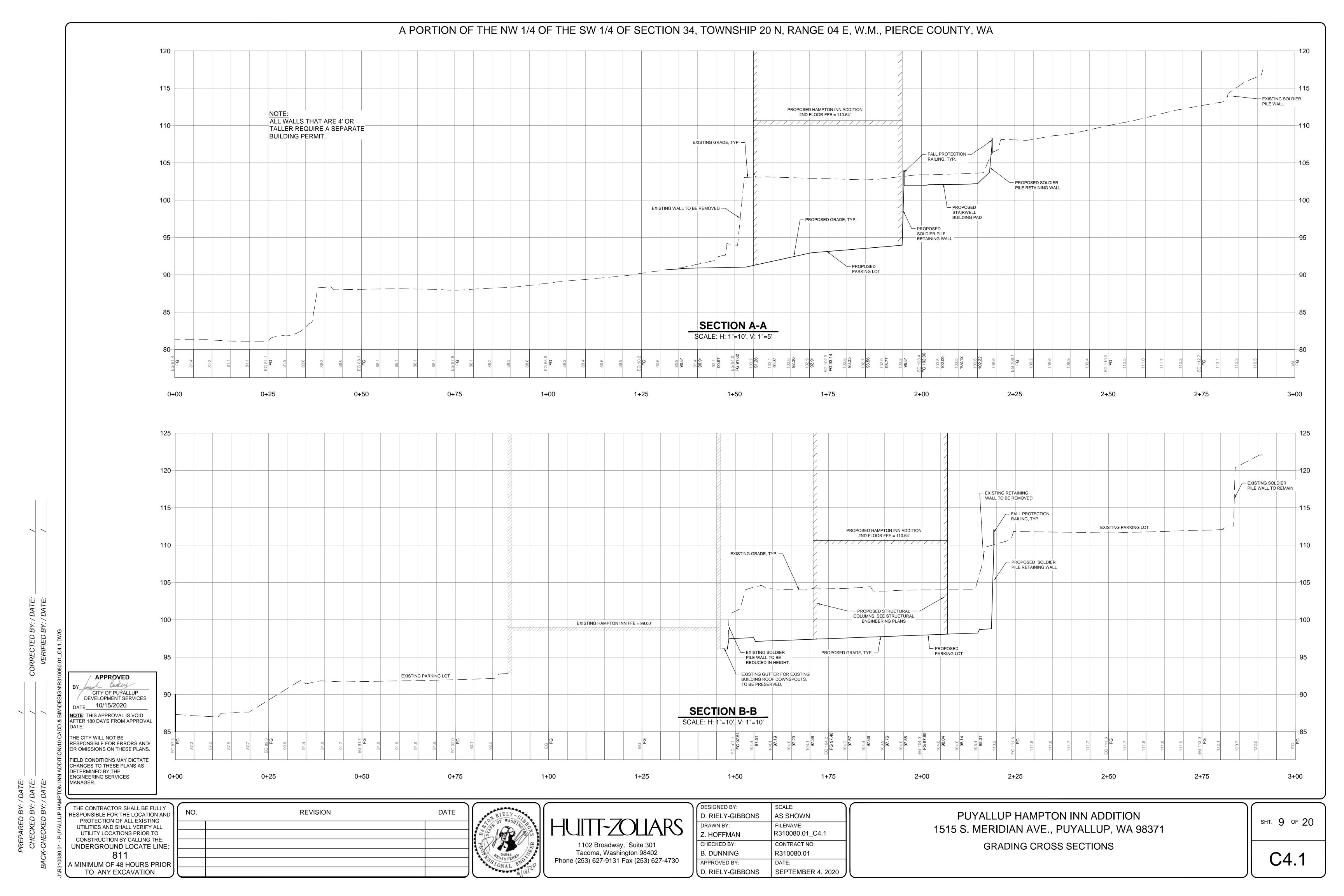
SHT. 7 OF 20

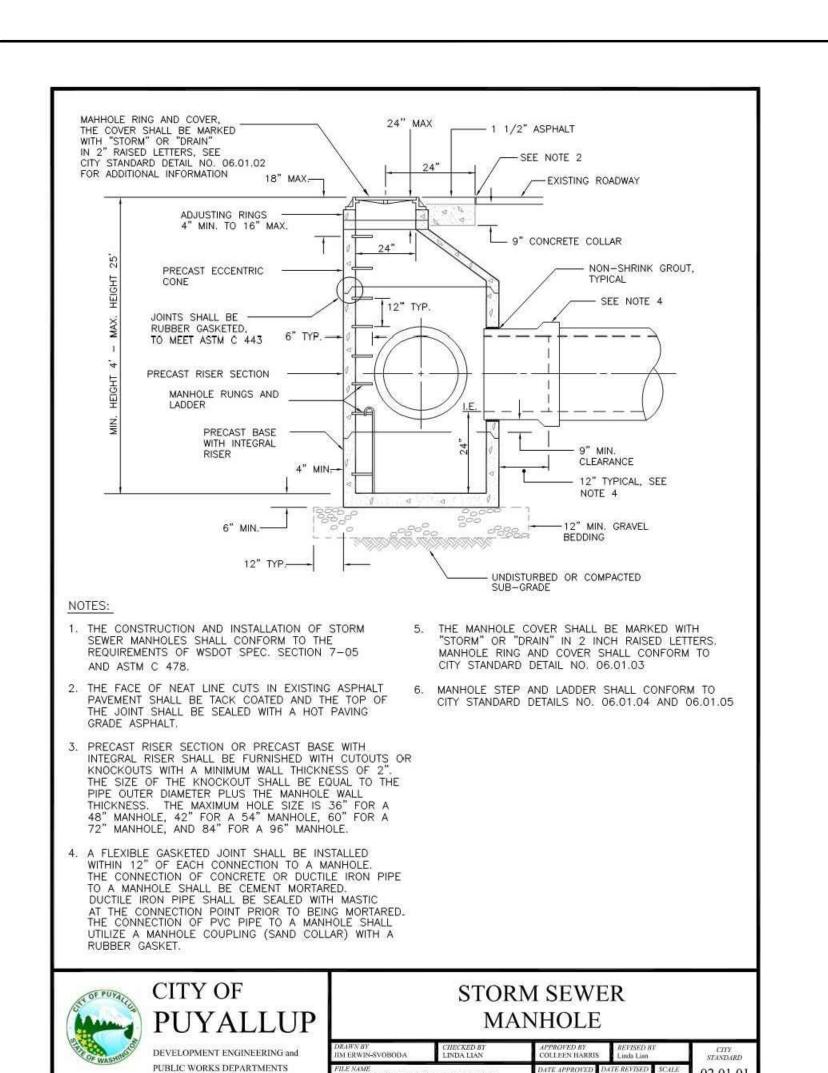
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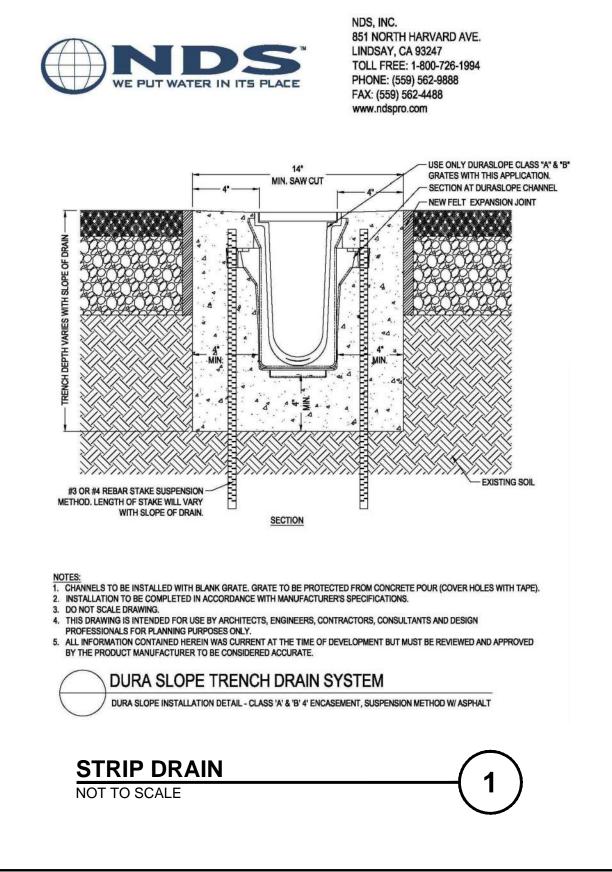
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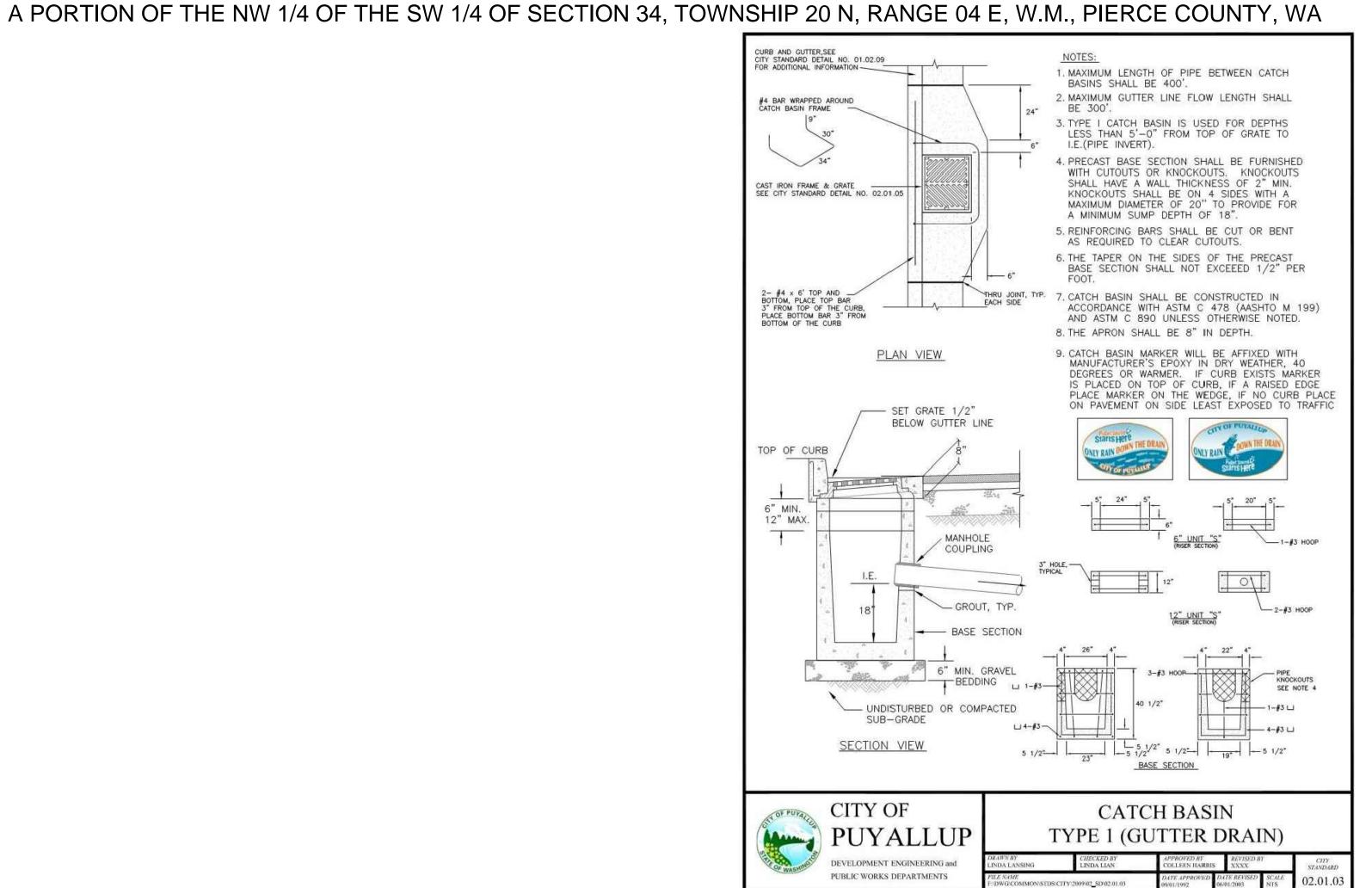
MANAGER.

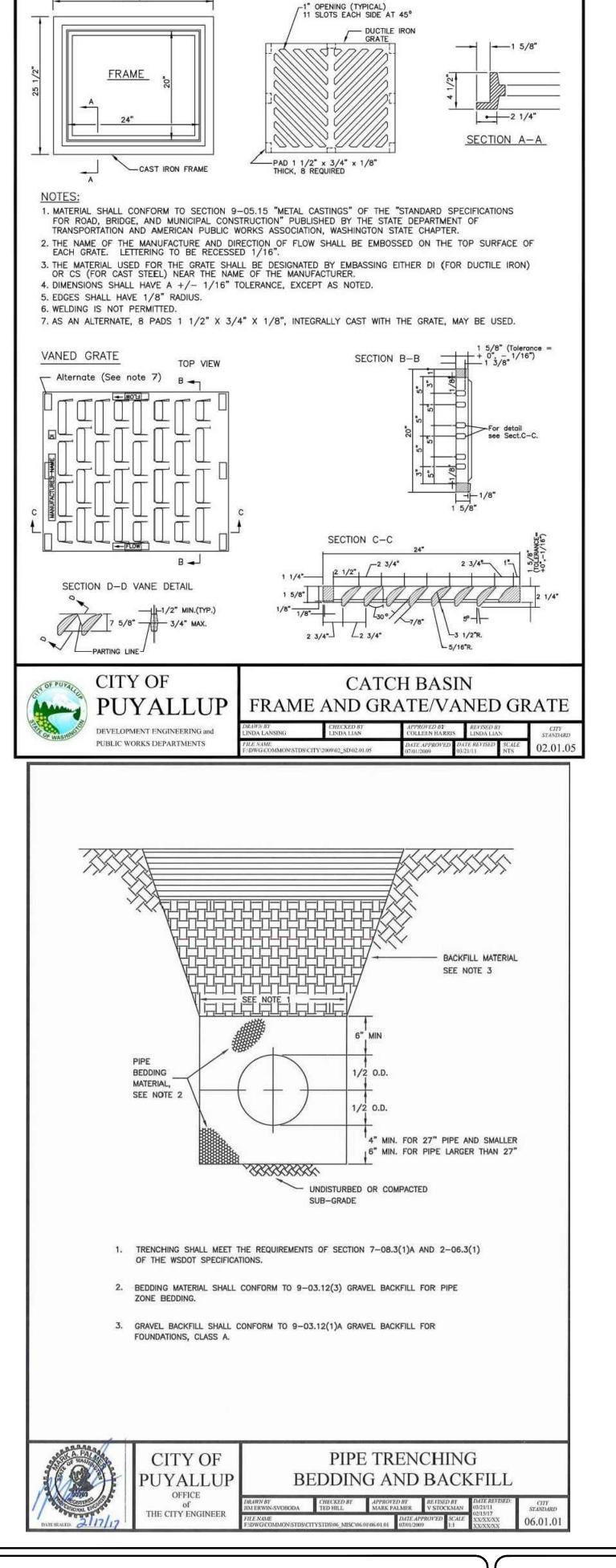












FIELD CONDITIONS MAY DICTATE
CHANGES TO THESE PLANS AS
DETERMINED BY THE
ENGINEERING SERVICES
MANAGER.

THE CONTRACTOR SHALL BE FULLY
RESPONSIBLE FOR THE LOCATION AND
PROTECTION OF ALL EXISTING
UTILITIES AND SHALL VERIFY ALL

UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE:

UNDERGROUND LOCATE LINE:

MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION

APPROVED

CITY OF PUYALLUP

DEVELOPMENT SERVICES

10/15/2020

AFTER 180 DAYS FROM APPROVAL

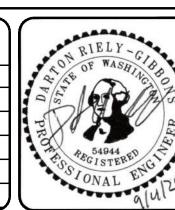
RESPONSIBLE FOR ERRORS AND/ OR OMISSIONS ON THESE PLANS.

NOTE: THIS APPROVAL IS VOID

THE CITY WILL NOT BE

TED IED

NO. REVISION DATE



HUIT-ZOLARS

1102 Broadway, Suite 301
Tacoma, Washington 98402
Phone (253) 627-9131 Fax (253) 627-4730

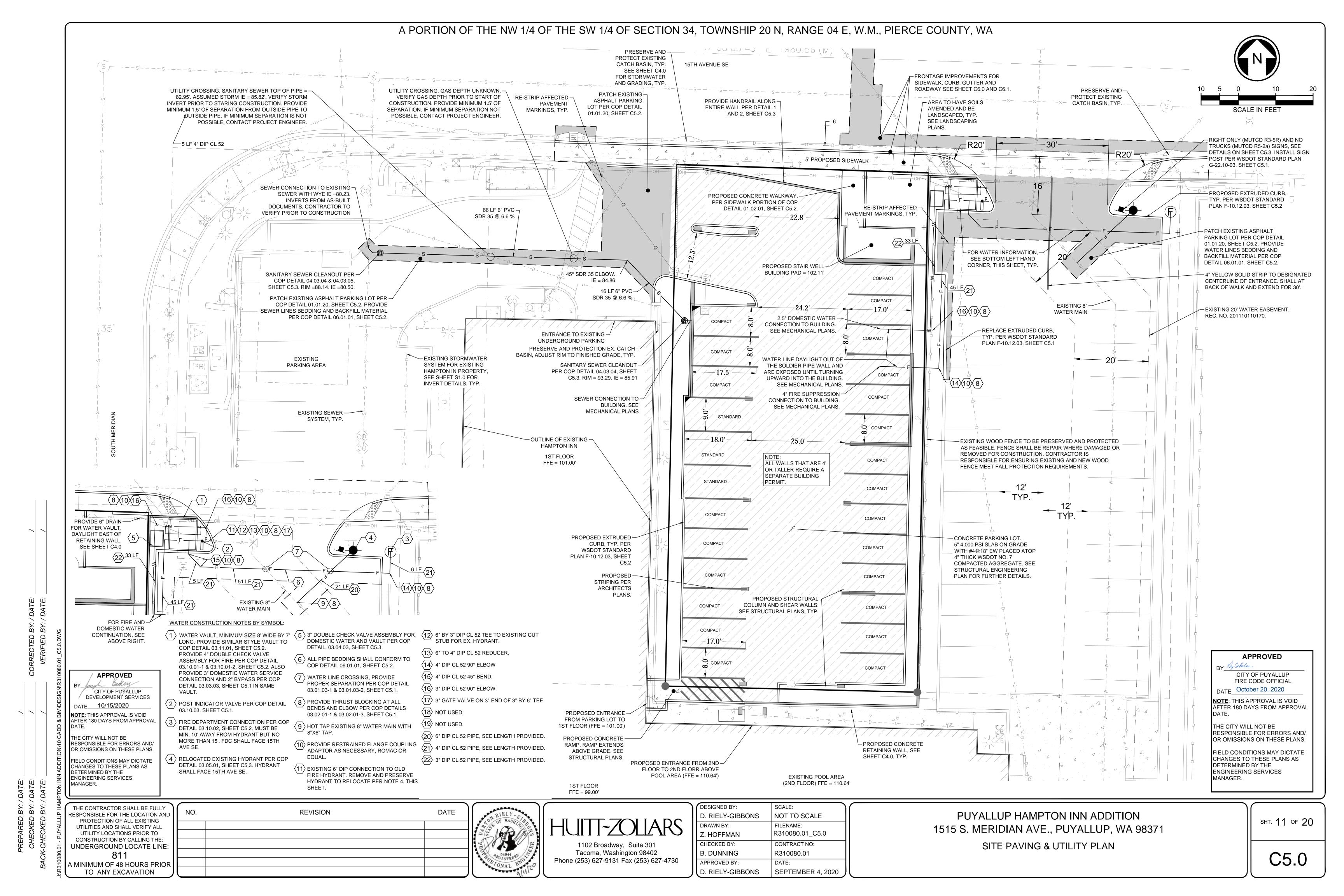
DESIGNED BY:	SCALE:
D. RIELY-GIBBONS	NOT TO SCALE
DRAWN BY:	FILENAME:
Z. HOFFMAN	R310080.01_C4.2
CHECKED BY:	CONTRACT NO:
B. DUNNING	R310080.01
APPROVED BY:	DATE:
D. RIELY-GIBBONS	SEPTEMBER 4, 2020

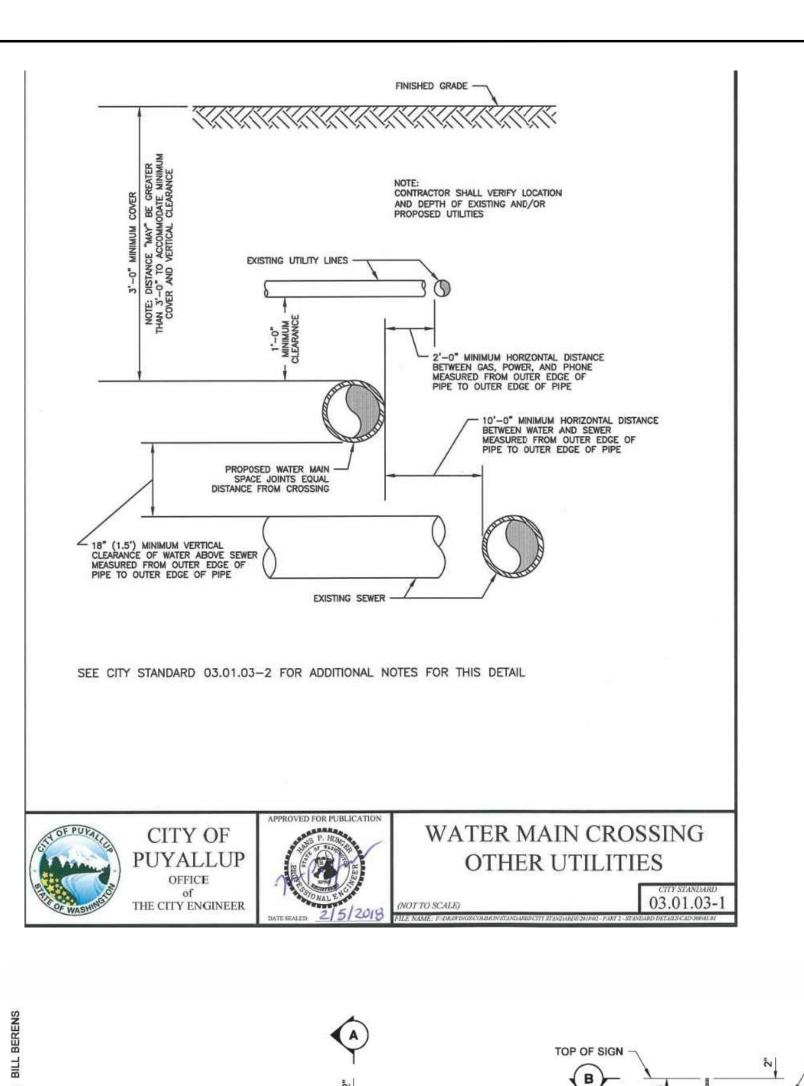
PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 GRADING & DRAINAGE DETAILS

GRATE

SHT. 10 OF 20

C4.2





A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SECTION 34, TOWNSHIP 20 N, RANGE 04 E, W.M., PIERCE COUNTY, WA

CITY STANDARD 03.01.03-1

NOTES FOR WATER MAIN CROSSING OTHER UTILITIES

WHEN LOCAL CONDITIONS PREVENT THE SEPARATIONS DESCRIBED ON CITY STANDARD 03.01.03-1, A SEWER MAY BE LAID CLOSER THAN 10-FEET HORIZONTALLY OR 18-INCHES VERTICALLY TO A WATER LINE, PROVIDED THE GUIDELINES BELOW ARE FOLLOWED: UNUSUAL CONDITIONS (PARALLEL SYSTEMS)

- 1. SEWER LINE IS LAID IN A SEPARATE TRENCH FROM THE WATER LINE.
- 2. WHEN 18-INCHES VERTICAL SEPARATION CANNOT BE OBTAINED, THE SEWER SHALL BE CONSTRUCTED OF MATERIALS AND JOINTS THAT ARE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS PRIOR TO
- 3. THE WATER LINE SHALL BE PLACED ON A BENCH OF UNDISTURBED EARTH WITH THE BOTTOM OF THE WATER PIPE AT LEAST 18—INCHES ABOVE THE CROWN OF THE SEWER, AND SHALL HAVE AT LEAST 5—FEET OF HORIZONTAL SEPARATION AT ALL TIMES. THE CITY RESERVES THE RIGHT TO REQUIRE SUPPLEMENTAL MITIGATION EFFORTS, SUCH AS IMPERMEABLE BARRIERS OR OTHER MEANS, FOR ADDITIONAL
- 4. THE SEWER SHALL NOT BE INSTALLED IN THE SAME DITCH AS A POTABLE WATER LINE WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY OF

INUSUAL CONDITIONS (PERPENDICULAR SYSTEMS)

- CONDITION A GRAVITY SEWERS PASSING UNDER WATER LINES (ALL OF THE FOLLOWING APPLY)
- 1. ONE FULL SEGMENT (NOT LESS THAN 18-FEET LONG) OF DUCTILE IRON CLASS 52 WATER PIPE, AND THE LONGEST STANDARD SEWER PIPE LENGTH AVAILABLE FROM THE MANUFACTURER SHALL BE USED WITH THE PIPES CENTERED TO MAXIMIZE JOINT SEPARATION.
- STANDARD GRAVITY-SEWER MATERIAL ENCASED IN CONCRETE OR IN A ONE-QUARTER-INCH THICK CONTINUOUS STEEL, DUCTILE IRON, OR PRESSURE RATED PVC PIPE WITH A DIMENSION RATIO (THE RATIO OF THE OUTSIDE DIAMETER TO THE PIPE WALL THICKNESS) OF 18 OR LESS, WITH ALL VOIDS PRESSURE-GROUTED WITH SAND-CEMENT GROUT OR BENTONITE. EXAMPLE OF DIMENSION RATIO (DR): OUTSIDE PIPE DIAMETER DIVIDED BY THE WALL THICKNESS OR OD/T. FOR 8-INCH SCH. 80 PVC PIPE (T=0.5 INCHES), THE DR IS 8.625/0.5=17.25

CONDITION B - GRAVITY SEWER PASSING OVER WATER LINES

- WATER LINES SHALL BE PROTECTED BY PROVIDING:
- 1. A VERTICAL SEPARATION OF AT LEAST 18-INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATER LINE.
- ADEQUATE STRUCTURAL SUPPORT FOR THE SEWER LINE TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING ON AND BREAKING OF
- 3. THE SEWER PIPE SHALL BE THE LONGEST STANDARD SEWER PIPE LENGTH AVAILABLE FROM THE MANUFACTURER WITH THE WATER AND
- 4. THE SEWER LINE CASING EQUIVALENT TO THAT SPECIFIED IN A(2) ABOVE.



GALVANIZED

1" (IN) DIAM. WASHER, NYLON

1" (IN) DIAM. FLAT WASHER, STEEL, GALVANIZED

3/8" (IN) × 3" (IN) HEX LAG SCREW, STEEL, GALVANIZED

GROUND

MINIMUM POST HOLE

- DIAMETER IS THE WIDEST
POST DIMENSION PLUS 6" (IN)

SIGN PANEL

DATE

LAG SCREW

TIMBER SIGN POST ~ SEE STD. SPEC. 9-28

SIGN PANEL

воттом OF SIGN

DIRECTION OF TRAFFIC

INSTALLATION TABLE

REVISION

DRILL HOLES THROUGH POST, WHEN REQUIRED ~ SEE POST

OFFICE

WIDEST SIGN

POST DIMENSION

NARROWEST

SIGN POST

DIMENSION

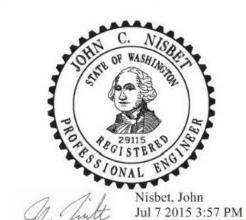
DRILL PILOT HOLES FOR LAG SCREWS



WATER MAIN CROSSING OTHER UTILITIES (NOTES)

- Notch is only required with multiple post installations.
- 2. 6×10, 8×10, and 6×12 Timber Sign Posts cannot be made breakaway and do not have holes or notches. These posts shall not be installed within the Design Clear Zone. They may be installed behind traffic barrier.
- 3. For "X", "Y", "H1", "H2", "H3", and "H4", refer to the Sign Specification Sheet in the Contract.
- For 6×6 posts and larger, 7' (ft) minimum spacing is
- 5. All materials shall meet the requirements of Standard Specification 9-28.

POST SIZE (NOM.)	DEPTH	HOLE DIAMETER	NOTCH DEPTH (SEE NOTE 1)
4×4	3' - 0"	NOT REQ'D	NOT REQ'D
4×6	4' - 0"	1 1/2"	1 1/2"
6×6	4' - 0"	2" SEE NOTES 3 & 4	2" SEE NOTES 3 & 4
6×8	5' - 0"	3" SEE NOTES 3 & 4	3" SEE NOTES 3 & 4
6×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
8×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
6×12	7' - 0"	SEE NOTE 2	SEE NOTE 2



TIMBER SIGN SUPPORT STANDARD PLAN G-22.10-03

SHEET 1 OF 3 SHEETS APPROVED FOR PUBLICATION Jul 10 2015 7:22 AM

OFFICE THE CITY ENGINEER

(COLUMN C)

THRU LINE CONNECTION, TEE

(COLUMN A)

(COLUMN A)



THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:

D. RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING

E. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.

BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.

A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.

CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.

HORIZONTAL THRUST **BLOCKING**

03.02.01-1

(COLUMNS B TO E)

			THRUST	FITTINGS AT	200 PSI	
	TEST	A	В	С	D	E
SIZE	PRESSURE (PSI)	TEE AND DEAD ENDS	90° BEND	45" BEND	22.5" BEND	11.25" BEND
4"	200	3,140	4,440	2,405	1,225	615
6"	200	7,070	9,995	5,410	2,760	1,385
8"	200	12,565	17,770	9,620	4,905	2,465
10"	200	19,635	27,770	15,030	7,660	3,850
12"	200	28,275	39,985	21,640	11,030	5,545
14"	200	38,485	54,425	29,455	15,015	7,545
16"	200	50,265	71,085	38,470	19,615	9,855

NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE.

FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3

DIRECTION CHANGE,

(COLUMN B)

THRU LINE CONNECTION.

(COLUMN A)

C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28

B. THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.

DIMDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.

CROSS USED AS TEE

TEE USED AS ELBOW

(COLUMN B)

DEAD END

(COLUMN A)

THRU LINE

CONNECTION, TEE

(COLUMN C)

DIRECTION CHANGE.

CROSS USED AS ELBOW

TABLE	3:	BEARING	VALUE	OF	SO
		NATIONAL PROPERTY.		3 5 7 7 7 7	

SOIL TYPE	SAFE BEARING LOAD LBS/SF
MUCK, PEAT, ETC.	0
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

SEE CITY STANDARDS 03.02.01-1 AND 03.02.01-2 FOR ADDITIONAL INFORMATION.

TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE

EXAMPLE: THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.

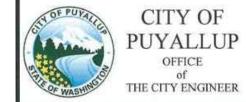
 $39,985 \times \frac{300 \text{ PS}}{200 \text{ PS}} = 59,978 \text{ LBS}$

TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):

SEE TABLE 3, BEARING VALUE OF SOIL

FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF

- 59,978 LBS + 3000 LB/SF = 20 SF OF AREA CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE
- AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.
- NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.J.) PLUG OR CAP.

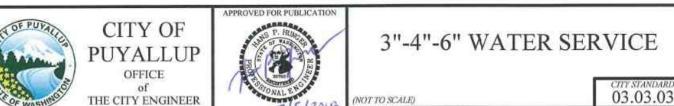


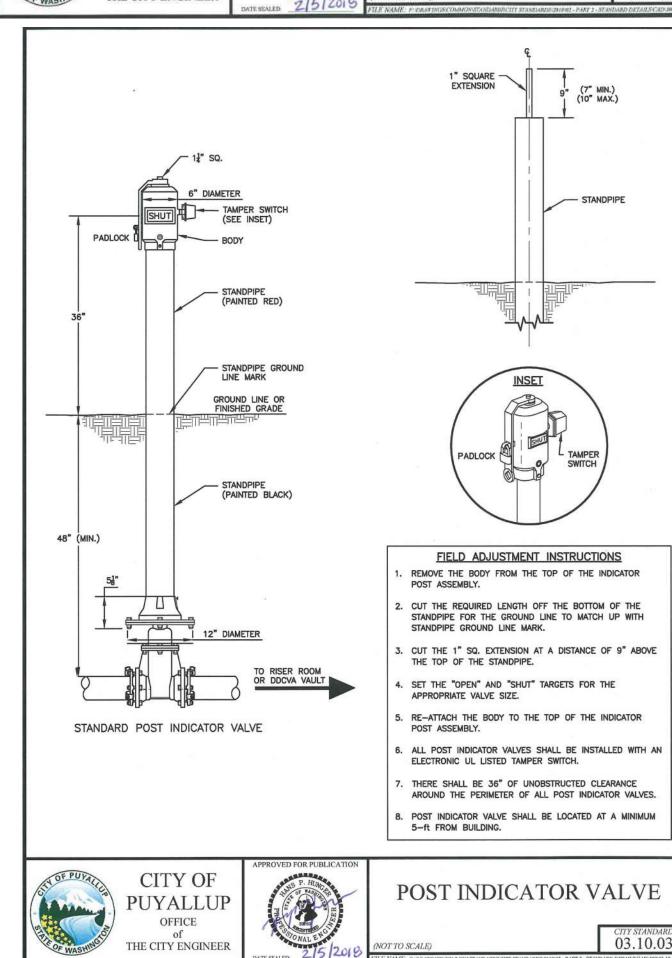


THRUST BLOCKING TABLE 03.02.01-

- VAULT WITH STANDARD SUMP PIT THAT DRAINS TO DAYLIGHT IF POSSIBLE. UTILITY VAULT OR APPROVED EQUAL, SIZED TO MAINTAIN CLEARANCES. SEE CITY STANDARD 03.11.01. CUT 2" HOLE IN LID FOR METER TRANSMITTER.
- * SENSUS FLANGED C2 OMNI METER WITH BUILT-IN STRAINER WITH TRPL READING IN 1 CUBIC FEET. USE 3/4" DIAMETER 316 GRADE STAINLESS STEEL BOLTS AND TEFLON NUTS ON METER FLANGE CONNECTIONS.
- (3) FLEX NET TRANSMITTER 520M SINGLE PORT COUPLE WITH LEAK DETECTION. MOUNTED ON METER VAULT LID.
- (4) FLANGED COUPLING ADAPTOR.
- (5) * FLANGE x MECHANICAL JOINT ADAPTOR.
- 6 * FLANGED TEE.
- (7) * RESILIENT SEATED WEDGE GATE VALVE (FLGXFLG) WITH 2" SQUARE OPERATING NUT.
- INSTALL TWO-PIECE, ADJUSTABLE, CAST IRON VALVE BOX AS SPECIFIED IN CITY STANDARD 03.01.01.
- (9) * FLANGE x PLAIN END SPOOL LENGTH AS REQUIRED.
- REMOVE METER TEST PLUG AND INSTALL 2" x 4" BRASS NIPPLE, 2" BALL VALVE FORD B11-777W OR APPROVED EQUAL, 2-1/2" MALE (NST) x 2" MALE IPS THREADED BRASS FIRE HOSE ADAPTOR, 2-1/2" (NST) BRASS NOZZLE CAP.
- (11) * BLIND FLANGE WITH 2" THREADED OUTLET.
- (12) 2" LOCKING BALL VALVE FORD B11-777W OR APPROVED EQUAL.
- (13) 2" GALVANIZED UNION.
- (14) 2" GALVANIZED ELL.
- (15) 2" THREADED GALVANIZED PIPE CUT TO LENGTH AS REQUIRED.
- (16) 2" ADJUSTABLE GALVANIZED PIPE SUPPORT.
- (17) MEGA LUG RING SECURED AGAINST VAULT WALL. MASTIC AND MORTAR SEAL WHERE PIPE PASSES THROUGH VAULT WALL.
- (18) AN ADDITIONAL * GATE VALVE IS REQUIRED AT THE WATER MAIN BRANCH CONNECTION.
- NOTE: * = 3" ,4" ,OR 6" DEPENDING ON SERVICE LINE SIZE.

- 1. ALL PIPE, VALVES, FITTINGS AND OTHER MATERIAL USED SHALL CONFORM TO AWWA STANDARDS (LATEST EDITION).
- 2. ALL CONSTRUCTION SHALL CONFORM TO WSDOT/APWA STANDARDS SPECIFICATIONS, CURRENT EDITION, AND CITY OF PUYALLUP STANDARDS.





THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE:

SIGN PANEL

- SIGN POST

SEE POST

INSTALLATION

SIGN BRACE ~

WHEN REQUIRED -

(STD. PLAN G-50.10)

EDGE OF
TRAVELED WAY

TED IED

COMPACTED NATIVE

BACKFILL MATERIAL

CITY OF PUYALLUP

DEVELOPMENT SERVICES

10/15/2020

AFTER 180 DAYS FROM APPROVAL

RESPONSIBLE FOR ERRORS AND/

OR OMISSIONS ON THESE PLANS.

FIELD CONDITIONS MAY DICTATE

CHANGES TO THESE PLANS AS

NOTE: THIS APPROVAL IS VOID

ਹੋ ∏THE CITY WILL NOT BE

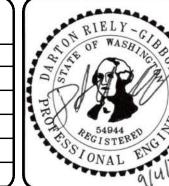
DETERMINED BY THE ENGINEERING SERVICES

MANAGER.

ELEVATION VIEW

SINGLE-POST INSTALLATION

UNDERGROUND LOCATE LINE: MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION



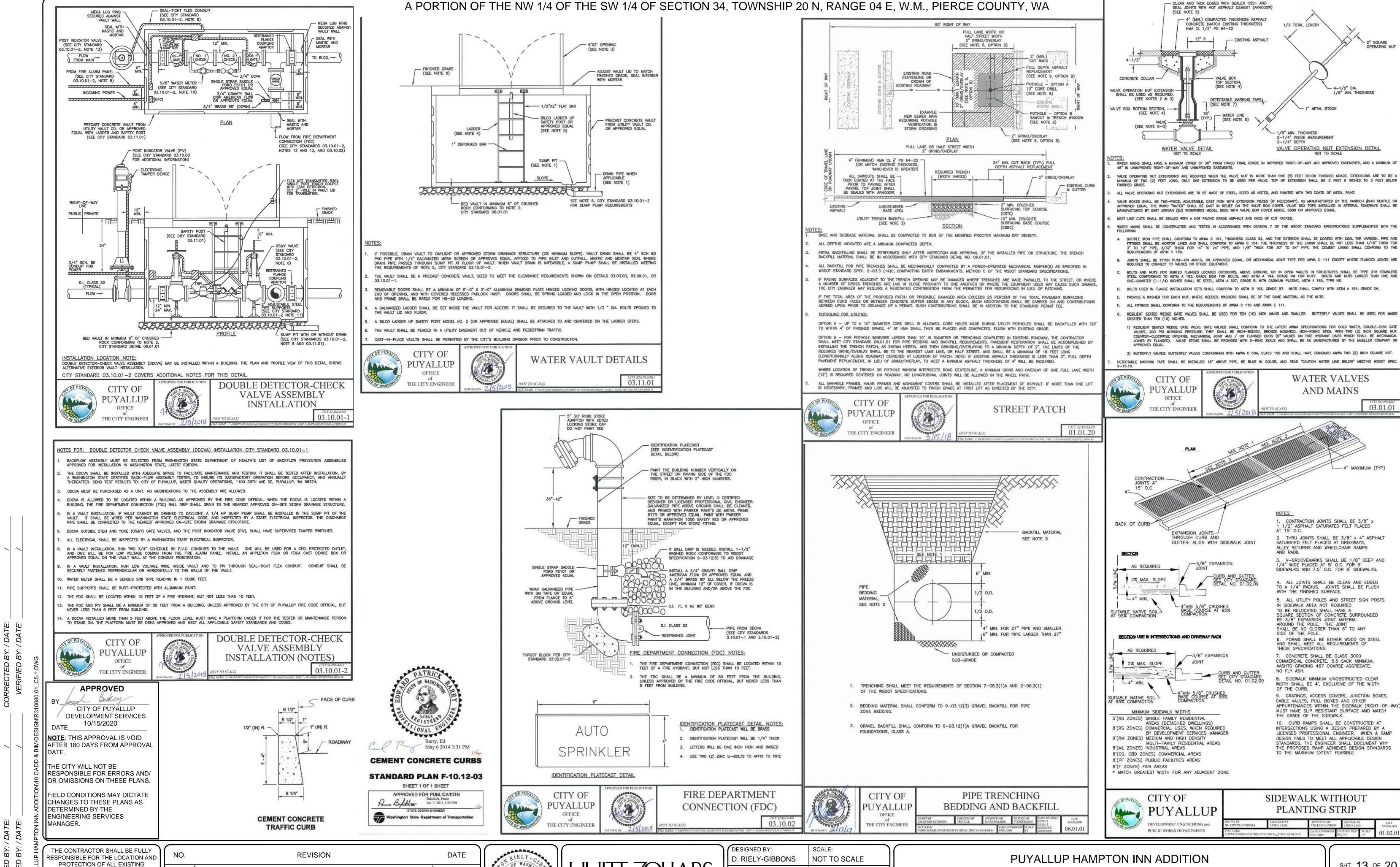
1102 Broadway, Suite 301 Tacoma, Washington 98402 Phone (253) 627-9131 Fax (253) 627-4730

DESIGNED BY SCALE: NOT TO SCALE D. RIELY-GIBBONS FILENAME: DRAWN BY: R310080.01_C5.1 Z. HOFFMAN CONTRACT NO: CHECKED BY: B. DUNNING R310080.01 APPROVED BY DATE: D. RIELY-GIBBONS SEPTEMBER 4, 2020

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 SITE PAVING & UTILITY DETAILS

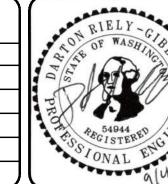
SHT. 12 OF 20

C5.



CONSTRUCTION BY CALLING THE: UNDERGROUND LOCATE LINE: MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION

UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO



1102 Broadway, Suite 301

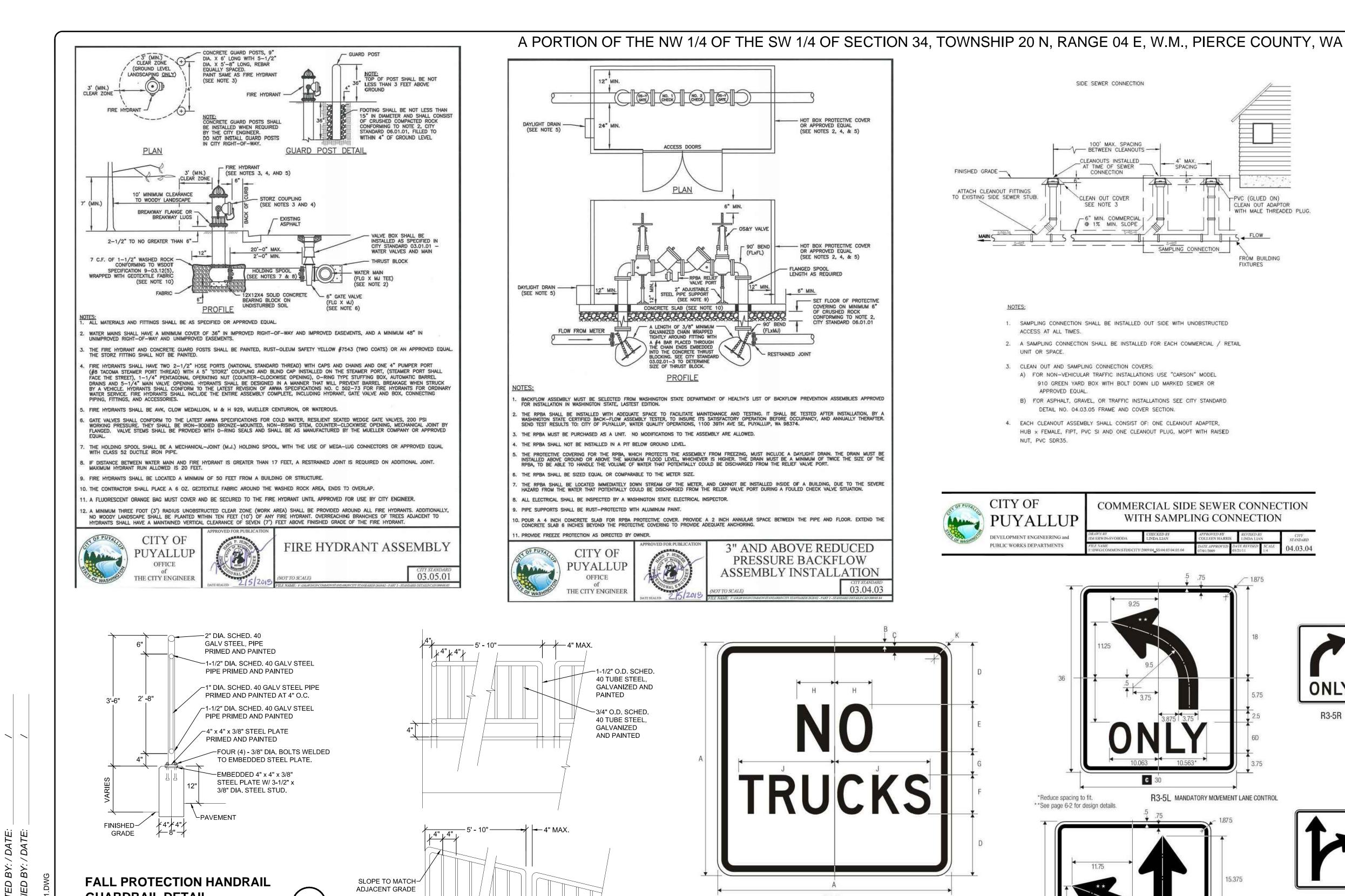
FILENAME DRAWN BY: Z. HOFFMAN CHECKED BY: Tacoma, Washington 98402 B. DUNNING R310080.01 Phone (253) 627-9131 Fax (253) 627-4730 APPROVED BY: DATE: SEPTEMBER 4, 2020 D. RIELY-GIBBONS

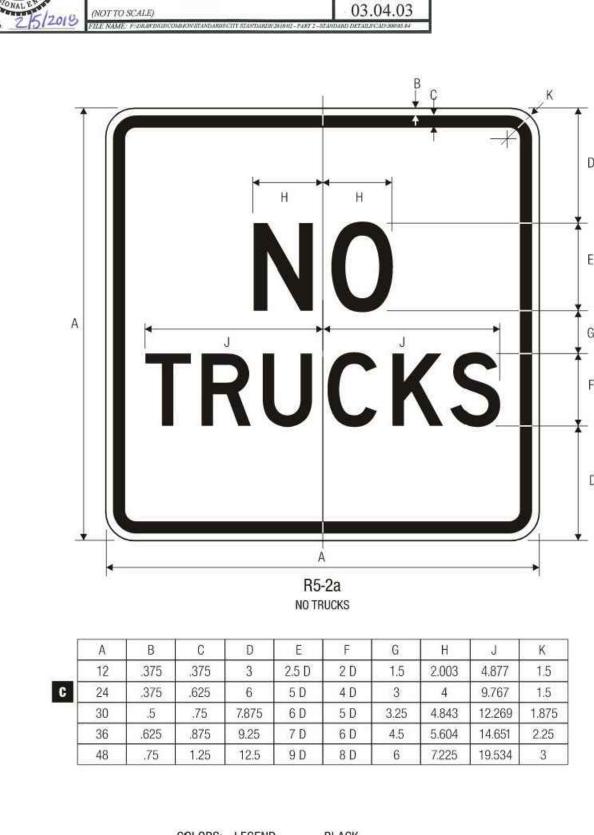
R310080.01_C5.1 CONTRACT NO:

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 SITE PAVING & UTILITY DETAILS

SHT. 13 OF 20

C5.2





3" AND ABOVE REDUCED

PRESSURE BACKFLOW

ASSEMBLY INSTALLATION

HOT BOX PROTECTIVE COVER OR APPROVED EQUAL

- HOT BOX PROTECTIVE COVER OR APPROVED EQUAL

COVERING ON MINIMUM 6" OF CRUSHED ROCK

CONFORMING TO NOTE 2 CITY STANDARD 06.01.01

(SEE NOTES 2, 4, & 5)

(SEE NOTES 2, 4, & 5)

ACCESS DOORS

CONCRETE SLAB (SEE NOTE 10)

A #4 BAR PLACED THROUGH THE CHAIN ENDS EMBEDDED INTO THE CONCRETE THRUST BLOCKING. SEE CITY STANDARI

PROFILE

OFFICE

THE CITY ENGINEER

1-1/2" O.D. SCHED. 40 TUBE STEEL,

GALVANIZED AND

3/4" O.D. SCHED.

40 TUBE STEEL, GALVANIZED

AND PAINTED

OR OTHER

FALL PROTECTION HANDRAIL

SLOPE GUARDRAIL PROFILE

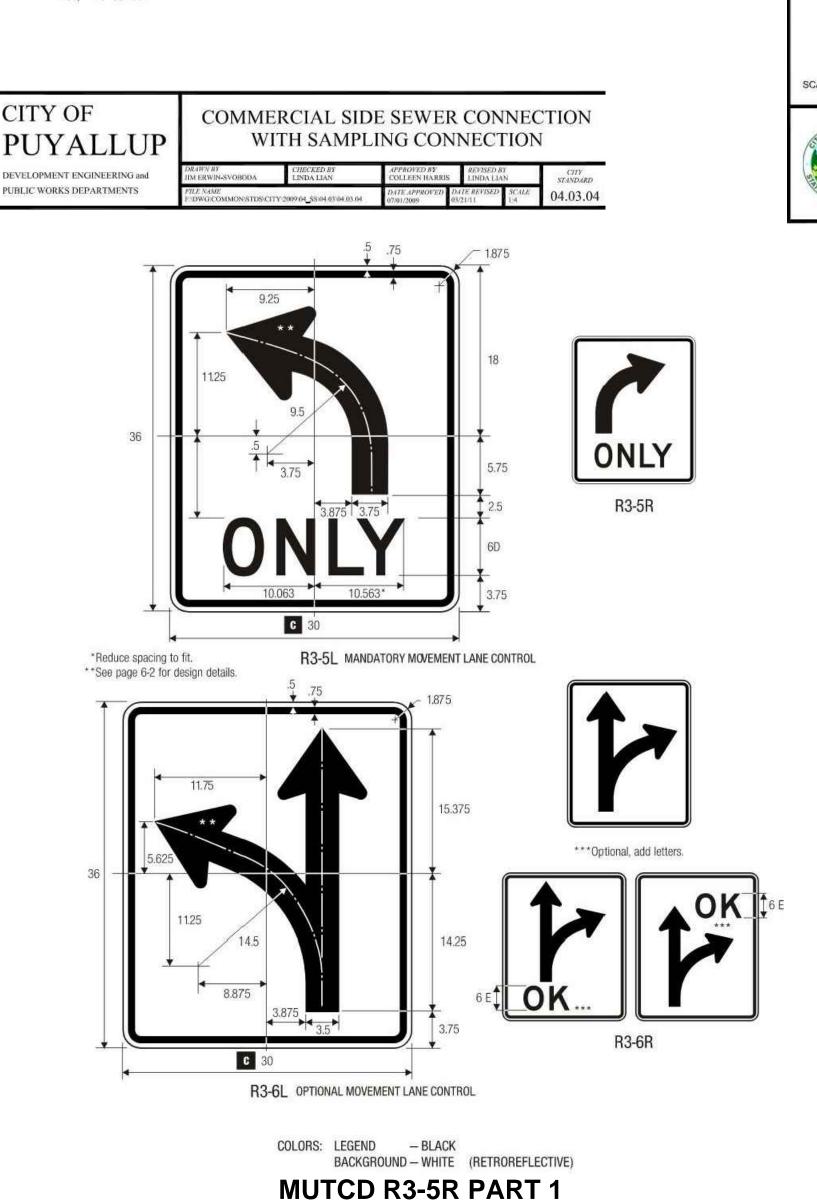
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PAINTED

6" MIN.

- OS&Y VALVE





-PVC (GLUED ON)

CLEAN OUT ADAPTOR

FROM BUILDING

WITH MALE THREADED PLUG.

SIDE SEWER CONNECTION

-\/_ BETWEEN CLEANOUTS --

CLEANOUTS INSTALLED TIME OF SEWER

CONNECTION

CLEAN OUT COVER

@ 1% MIN. SLOPE

1. SAMPLING CONNECTION SHALL BE INSTALLED OUT SIDE WITH UNOBSTRUCTED

A) FOR NON-VEHICULAR TRAFFIC INSTALLATIONS USE "CARSON" MODEL

DETAIL NO. 04.03.05 FRAME AND COVER SECTION.

4. EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTER,

910 GREEN YARD BOX WITH BOLT DOWN LID MARKED SEWER OR

B) FOR ASPHALT, GRAVEL, OR TRAFFIC INSTALLATIONS SEE CITY STANDARD

HUB x FEMALE, FIPT, PVC SI AND ONE CLEANOUT PLUG, MOPT WITH RAISED

2. A SAMPLING CONNECTION SHALL BE INSTALLED FOR EACH COMMERCIAL / RETAIL

SEE NOTE 3

FINISHED GRADE -

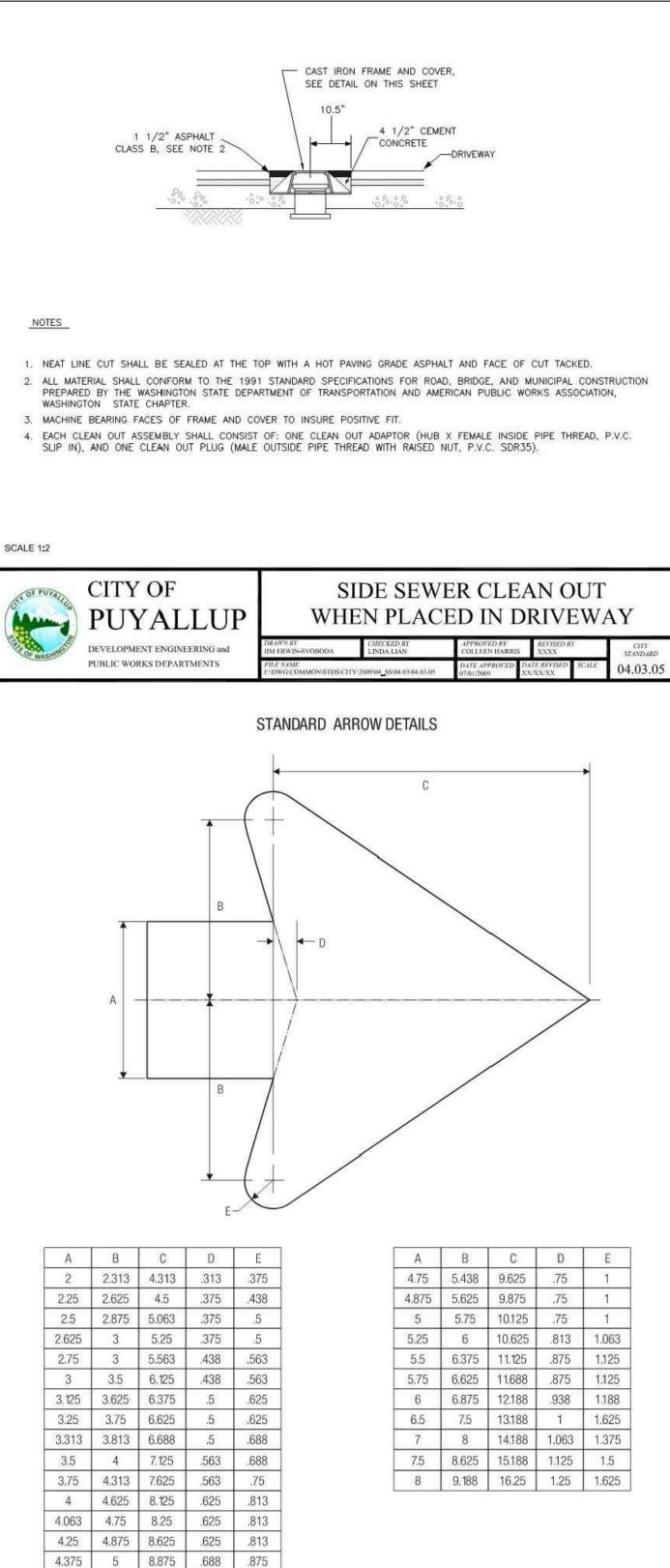
ATTACH CLEANOUT FITTINGS TO EXISTING SIDE SEWER STUB

NOTES:

ACCESS AT ALL TIMES.

CLEAN OUT AND SAMPLING CONNECTION COVERS:

UNIT OR SPACE.



MUTCD R3-5R PART 2

→ 10,75" →

FRAME AND COVER SECTION

2.25"

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

GUARDRAIL DETAIL

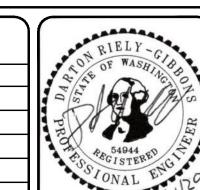
NOT TO SCALE

APPROVED

CITY OF PUYALLUP

DEVELOPMENT SERVICES

THE CONTRACTOR SHALL BE FULLY REVISION DATE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE: UNDERGROUND LOCATE LINE: MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION



1102 Broadway, Suite 301 Tacoma, Washington 98402

Phone (253) 627-9131 Fax (253) 627-4730

DESIGNED BY: SCALE: NOT TO SCALE D. RIELY-GIBBONS FILENAME: DRAWN BY: R310080.01_C5.1 Z. HOFFMAN CHECKED BY: CONTRACT NO: B. DUNNING R310080.01 APPROVED BY DATE: D. RIELY-GIBBONS SEPTEMBER 4, 2020

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 SITE PAVING & UTILITY DETAILS

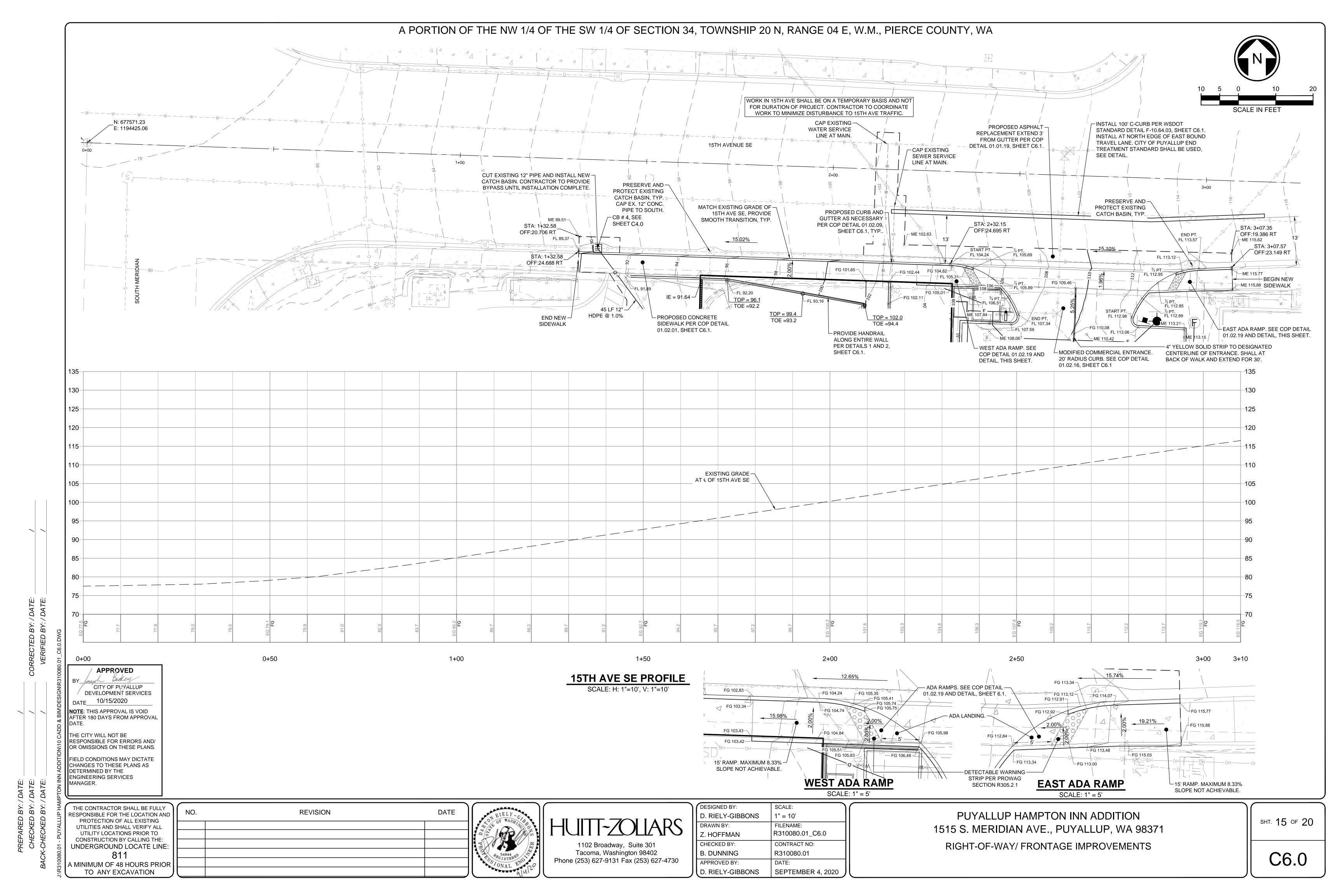
4.5 5.188 9.125 .688 .875

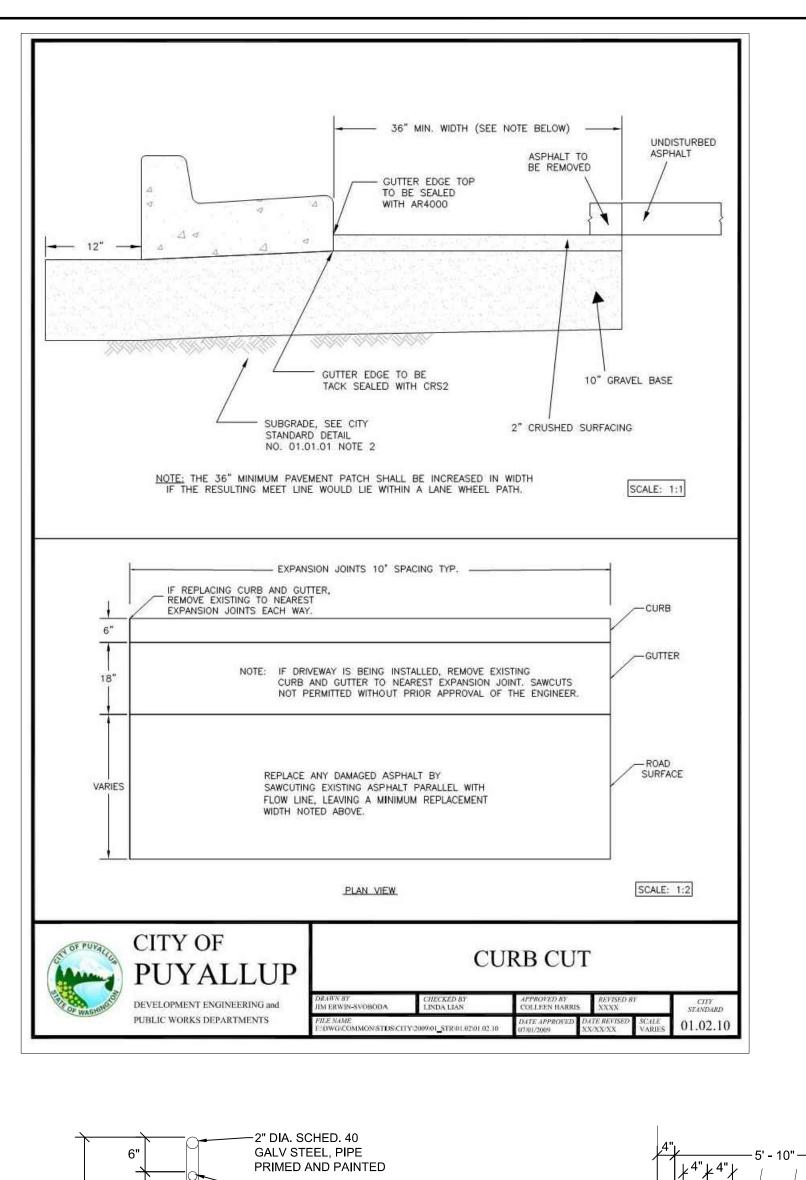
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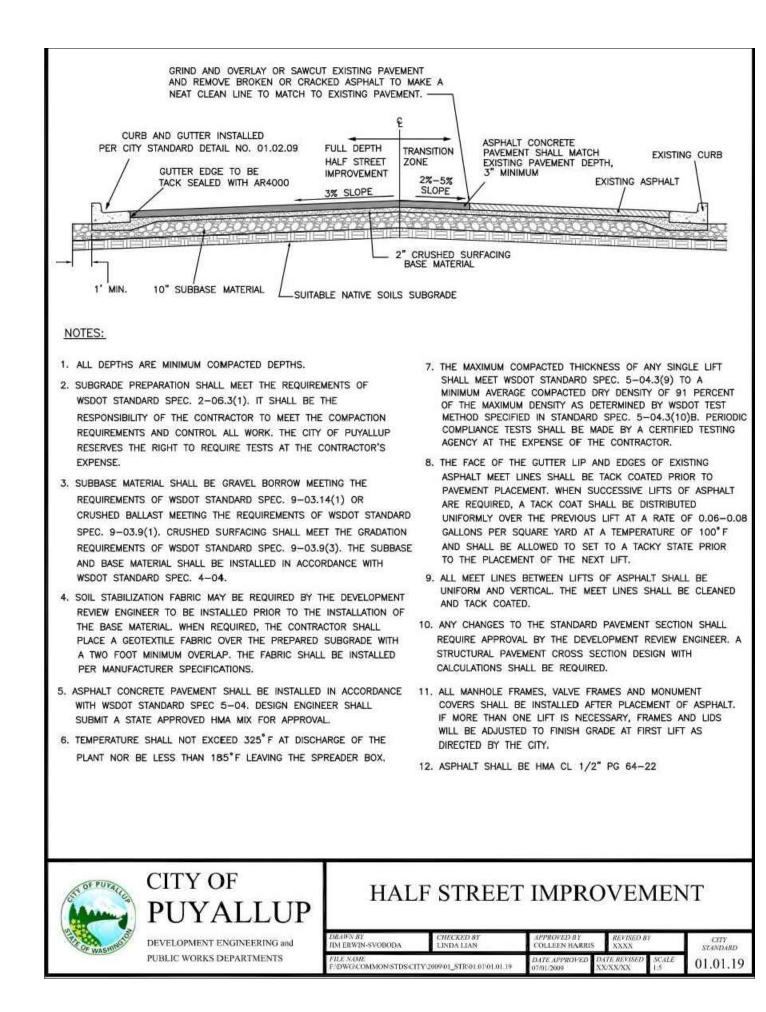
SCALE 1:1

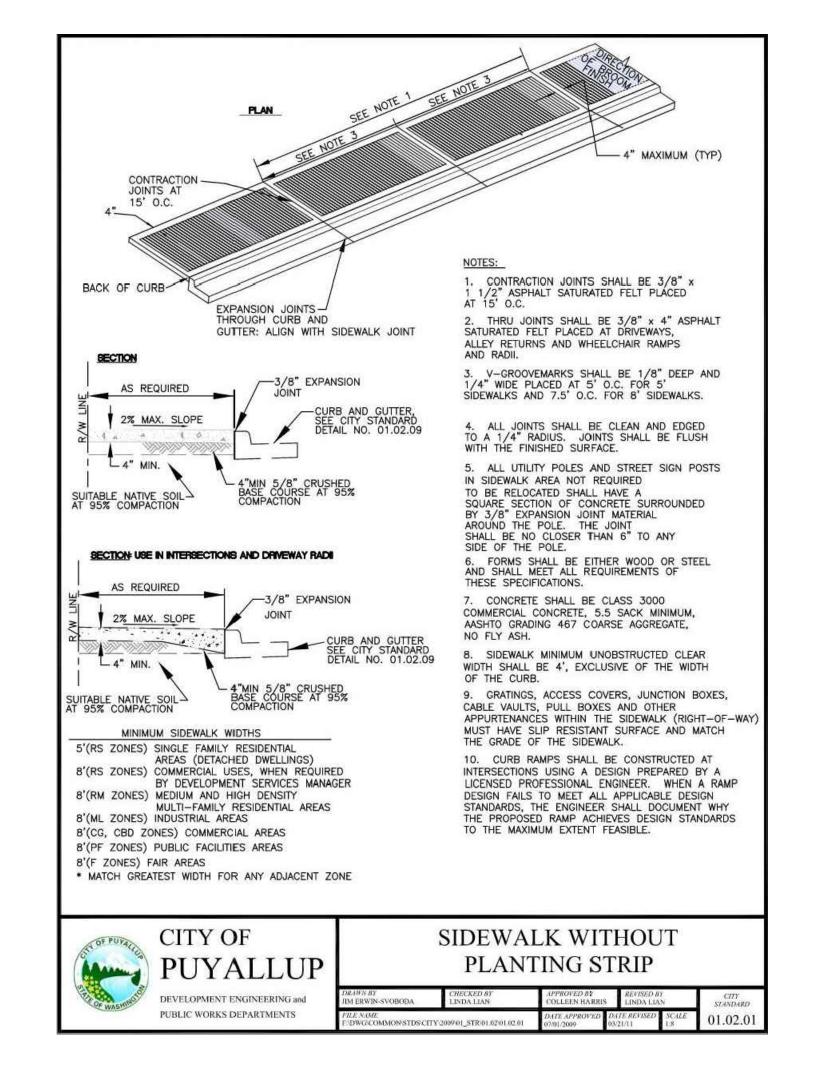
SHT. 14 OF 20

C5.3

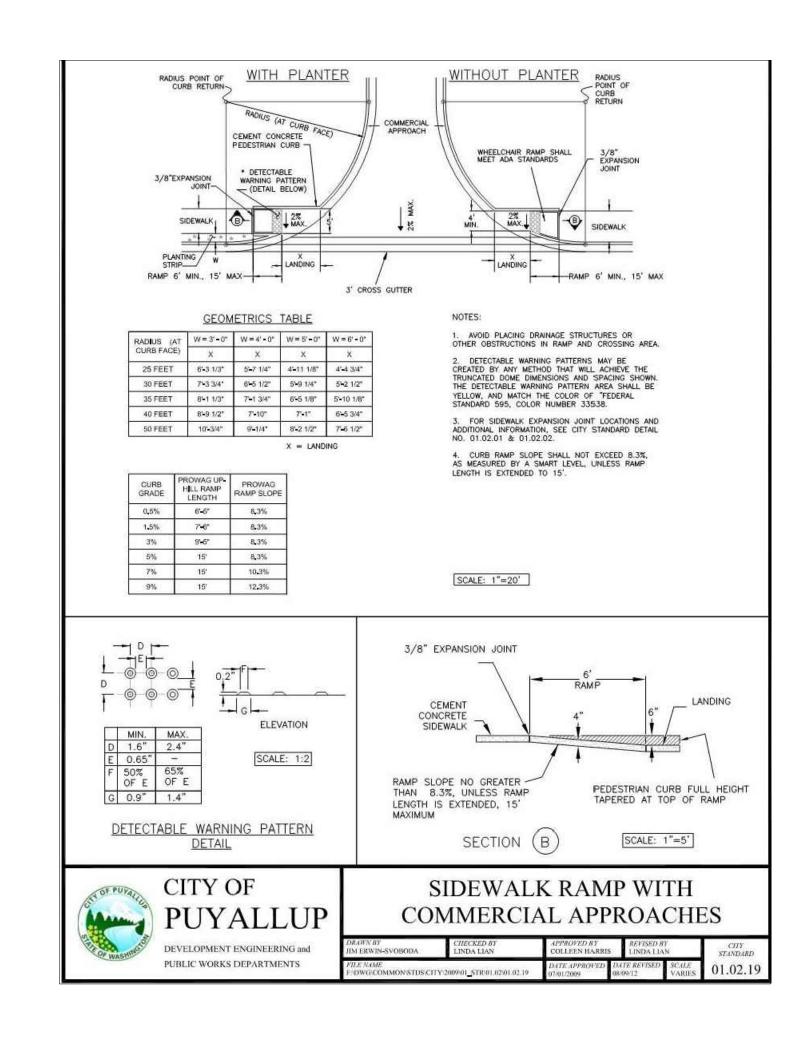


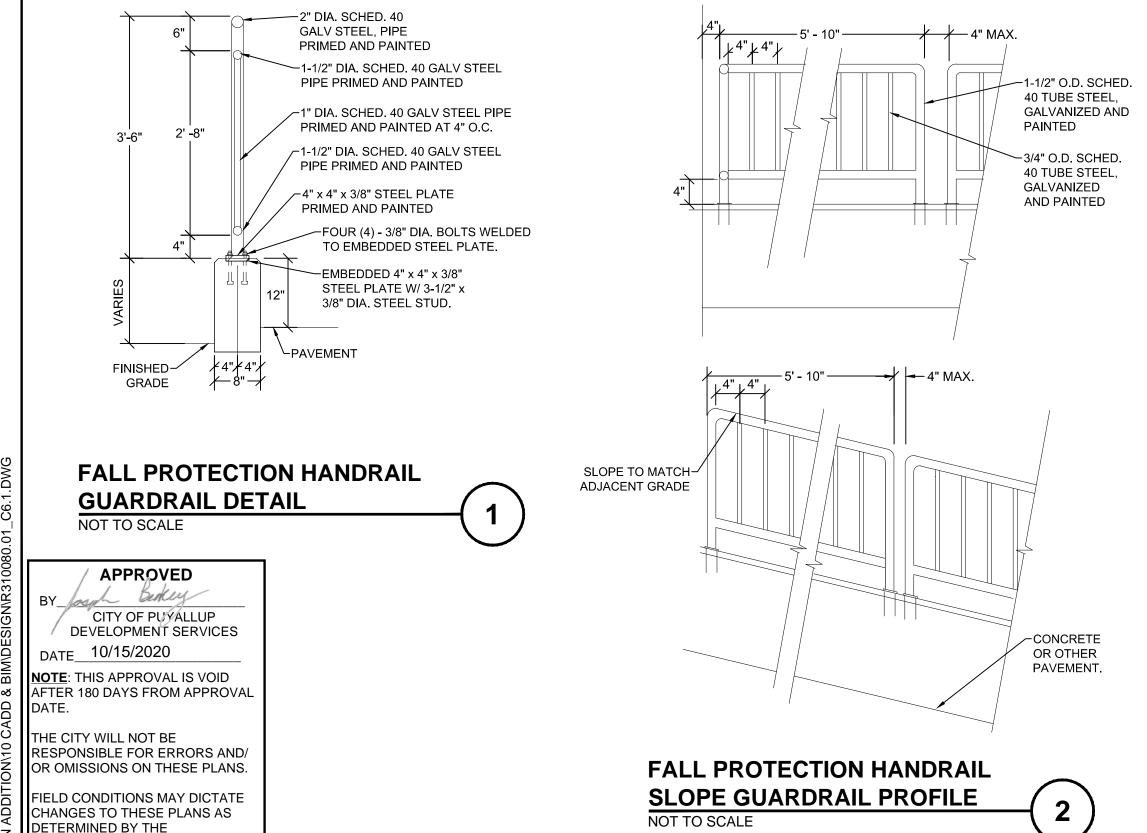


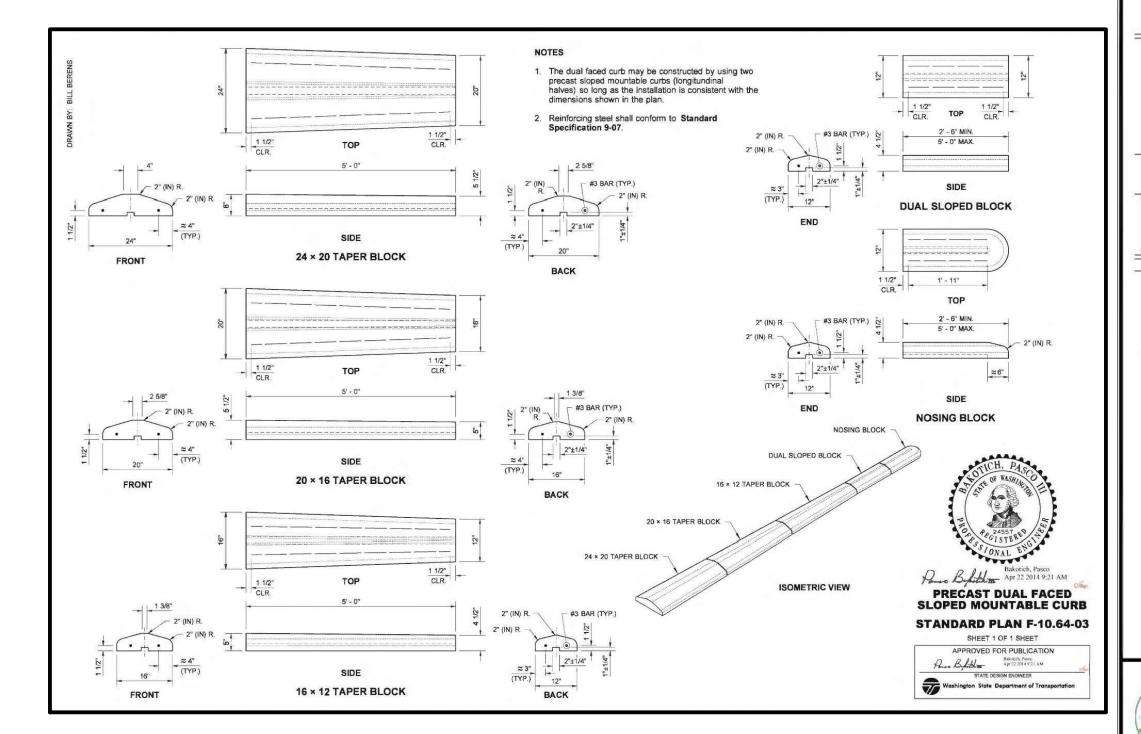


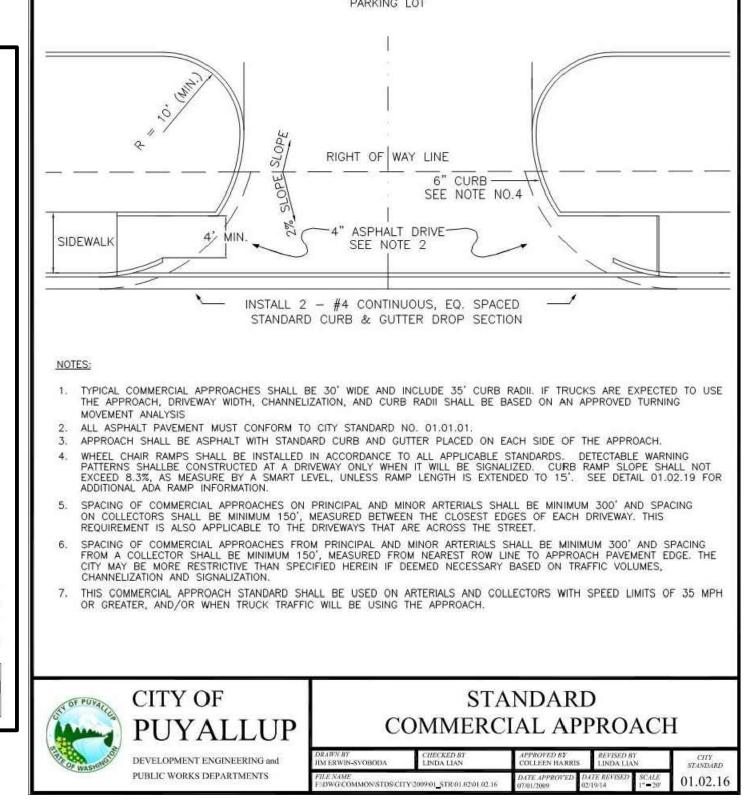


A PORTION OF THE NW 1/4 OF THE SW 1/4 OF SECTION 34, TOWNSHIP 20 N, RANGE 04 E, W.M., PIERCE COUNTY, WA









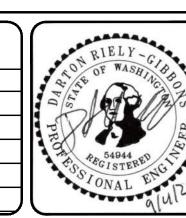
THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE: UNDERGROUND LOCATE LINE:

ENGINEERING SERVICES

MANAGER

TED IED

REVISION MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION



DATE

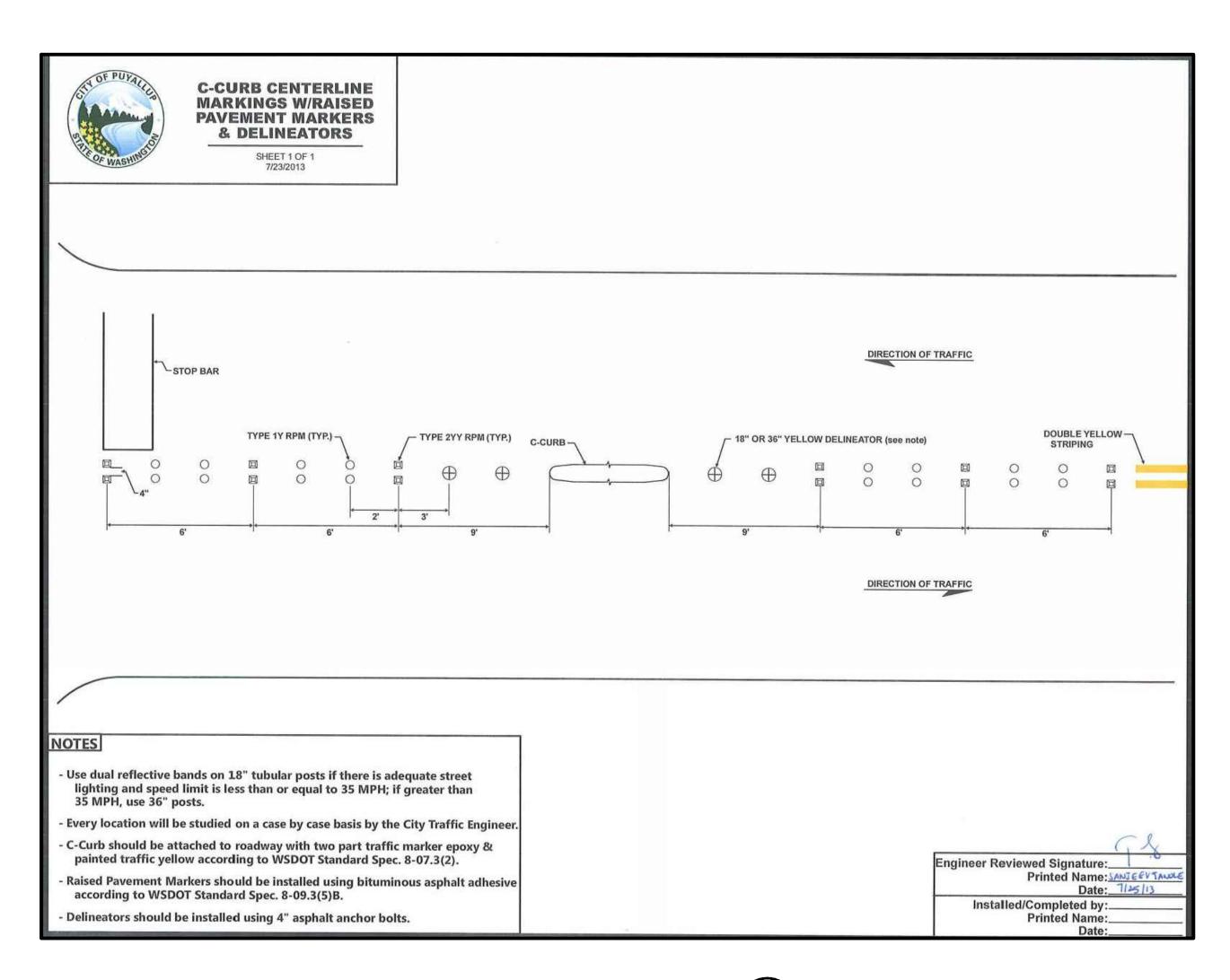
1102 Broadway, Suite 301 Tacoma, Washington 98402 Phone (253) 627-9131 Fax (253) 627-4730

DESIGNED BY SCALE: NOT TO SCALE D. RIELY-GIBBONS FILENAME: DRAWN BY: R310080.01_C6.1 Z. HOFFMAN CONTRACT NO: CHECKED BY: R310080.01 B. DUNNING APPROVED BY DATE: D. RIELY-GIBBONS SEPTEMBER 4, 2020

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 RIGHT-OF-WAY/ FRONTAGE IMPROVEMENTS DETAILS

SHT. 16 OF 20

C6.



C CURB END TREATMENT DETAIL

NOT TO SCALE

APPROVED CITY OF PUYALLUP DEVELOPMENT SERVICES DATE____10/15/2020 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

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

MANAGER.

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES AND SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE:

TO ANY EXCAVATION

UNDERGROUND LOCATE LINE: A MINIMUM OF 48 HOURS PRIOR

NO.	REVISION	DATE



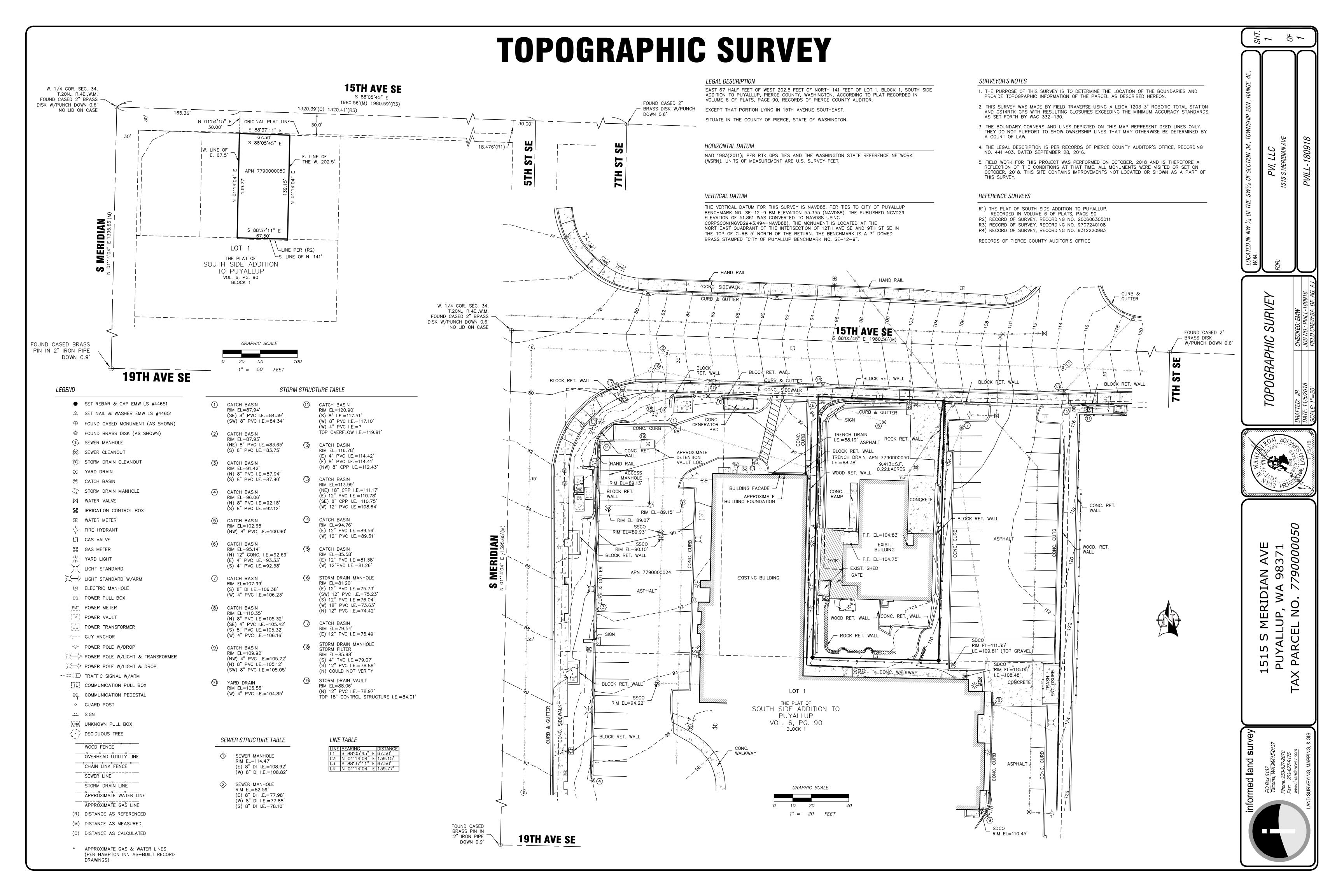
1102 Broadway, Suite 301 Tacoma, Washington 98402 Phone (253) 627-9131 Fax (253) 627-4730

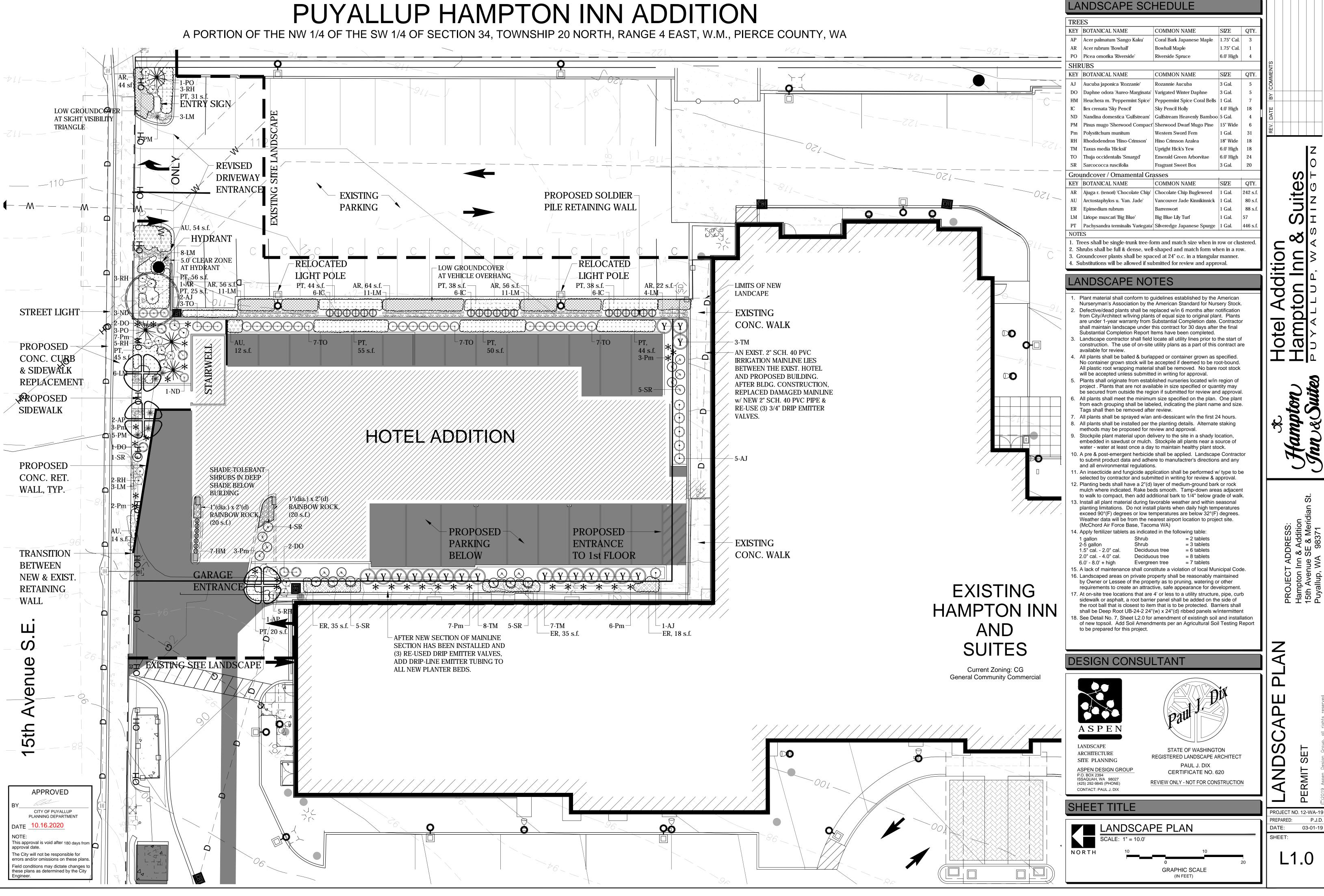
		-
1	DESIGNED BY:	SCALE:
	D. RIELY-GIBBONS	NOT TO SCALE
	DRAWN BY:	FILENAME:
	Z. HOFFMAN	R310080.01_C6.1
	CHECKED BY:	CONTRACT NO:
	B. DUNNING	R310080.01
	APPROVED BY:	DATE:
	D. RIELY-GIBBONS	SEPTEMBER 4, 2020

PUYALLUP HAMPTON INN ADDITION 1515 S. MERIDIAN AVE., PUYALLUP, WA 98371 RIGHT-OF-WAY/ FRONTAGE IMPROVEMENTS DETAILS

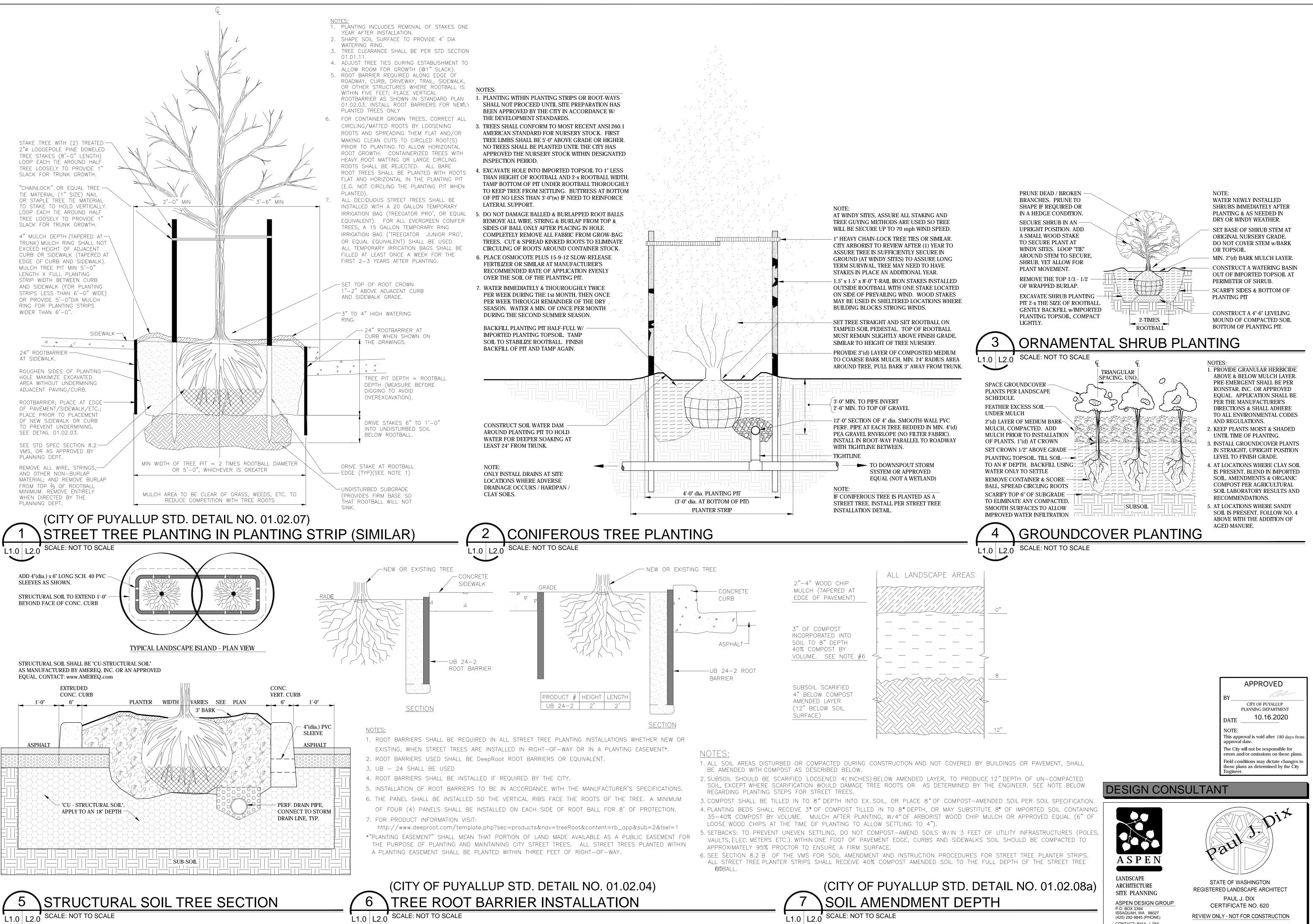
SHT. **17** OF **20**

C6.2





03-01-19



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CONTACT: PAUL J. DIX

PROJECT NO.12-WA-19 PREPARED: DATE: 03-01-19 SHEET: