

**PUYALLUP STATION PARKING**

**RTA/CN 0612-18**  
**CONTRACT S300017**  
**PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS**

**DESIGN PACKAGE #2 - SITEWORK AND UTILITIES**  
**E-20-0504 - CIVIL PERMIT RESUBMITTAL**  
**1/11/2021**

PREPARED BY:



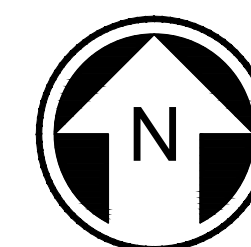
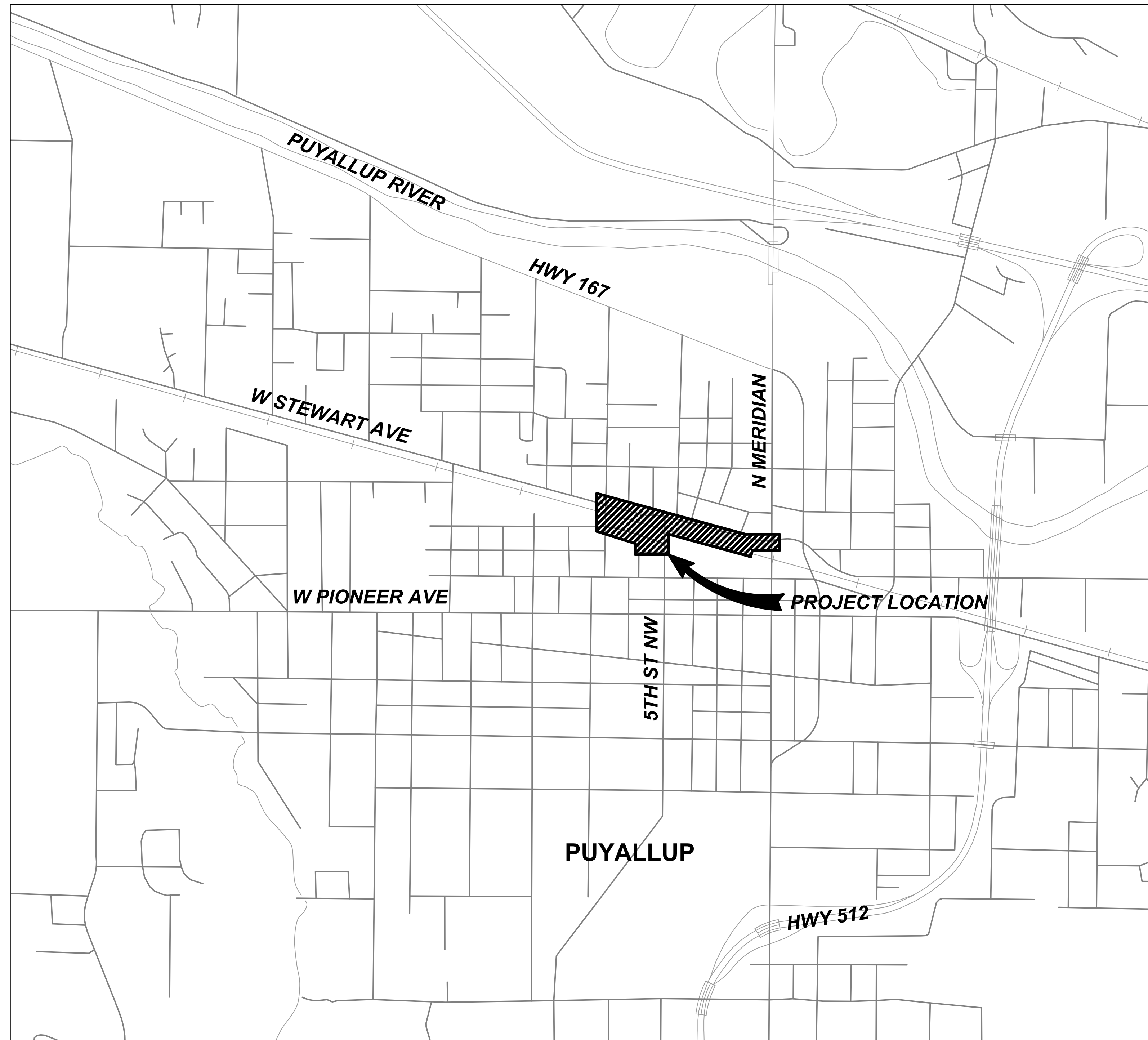
SUBMITTED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: SARA ROBERTS  
TITLE: DESIGN MANAGER

REVIEWED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: GREG SHIMIZU  
TITLE: PROJECT MANAGER

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED, AND IN PART BY THE CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY DISTRICT OF WASHINGTON, AND THE STATE OF WASHINGTON



**CONTRACT LOCATION MAP**

10/13/20 1 7:15 AM | BYRONR  
U:\19001-19350\1900096 - ST PSA190 - CAD\01 - GENERAL\DP-2\317-GEN-GZT121.DWG

DRAWING No.:	
<b>GEN-GZT121</b>	
FACILITY ID:	
F1592	
SHEET No.:	REV:
1/81	



Xrefs:  
x8B-1B22x34  
x5317-GEN-GZK100



CROSS REFERENCING OF DRAWINGS							
BASE SHEET TITLE	01	02	03	04	05	06	07
1"=20' DRAWING SETS	F1592-**P*01	F1592-**P*02	F1592-**P*03	F1592-**P*04	F1592-**P*05	F1592-**P*06	F1592-**P*07

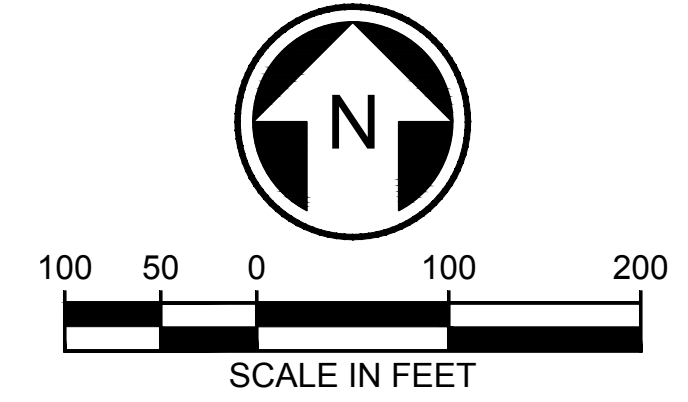
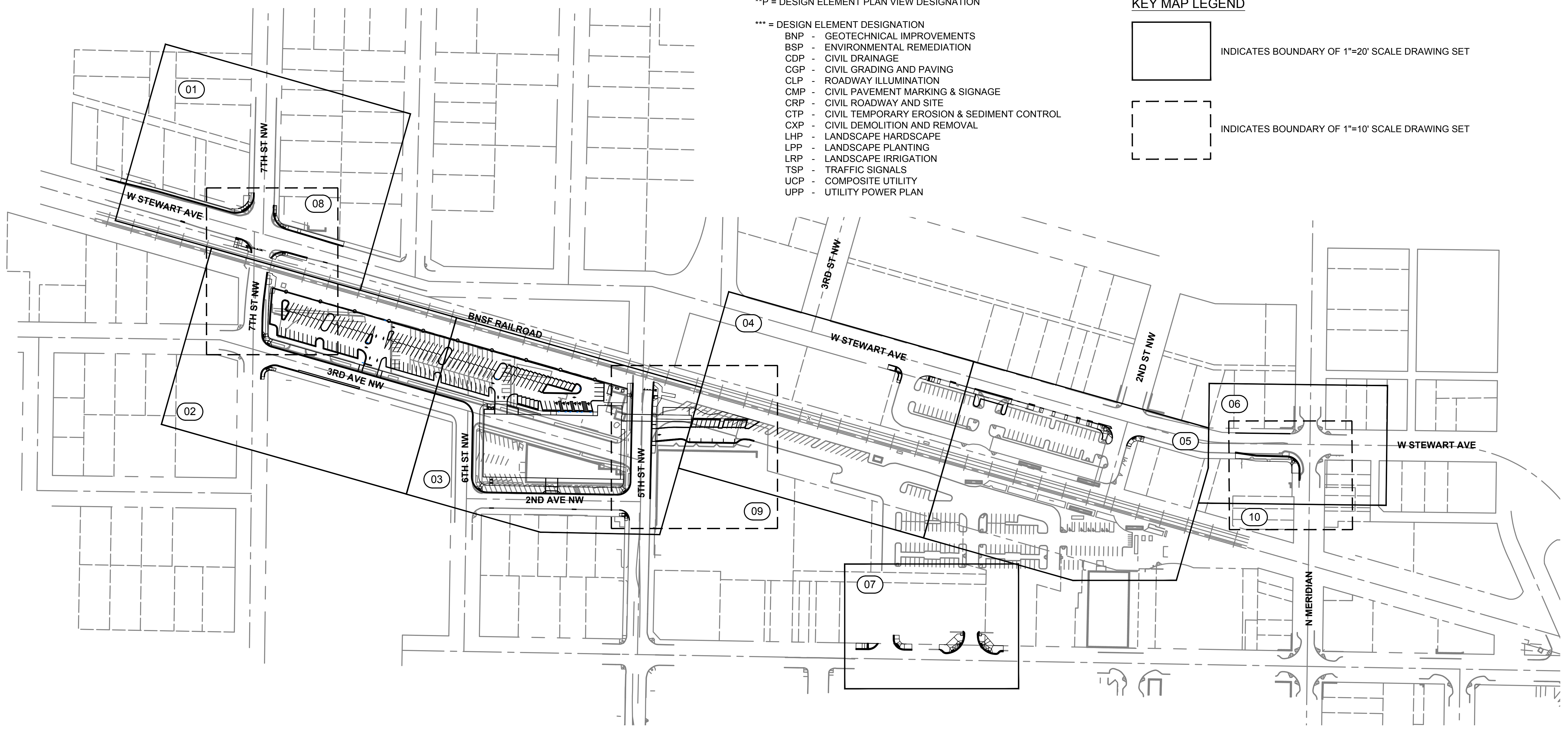
CROSS REFERENCING OF DRAWINGS			
BASE SHEET TITLE	08	09	10
1"=10' DRAWING SETS	F1592-**P*0*	F1592-**P*0*	F1592-**P*0*

\*\*P = DESIGN ELEMENT PLAN VIEW DESIGNATION

- \*\*\* = DESIGN ELEMENT DESIGNATION
- BNP - GEOTECHNICAL IMPROVEMENTS
  - BSP - ENVIRONMENTAL REMEDIATION
  - CDP - CIVIL DRAINAGE
  - CGP - CIVIL GRADING AND PAVING
  - CLP - ROADWAY ILLUMINATION
  - CMP - CIVIL PAVEMENT MARKING & SIGNAGE
  - CRP - CIVIL ROADWAY AND SITE
  - CTP - CIVIL TEMPORARY EROSION & SEDIMENT CONTROL
  - CXP - CIVIL DEMOLITION AND REMOVAL
  - LHP - LANDSCAPE HARDSCAPE
  - LPP - LANDSCAPE PLANTING
  - LRP - LANDSCAPE IRRIGATION
  - TSP - TRAFFIC SIGNALS
  - UCP - COMPOSITE UTILITY
  - UPP - UTILITY POWER PLAN

KEY MAP LEGEND

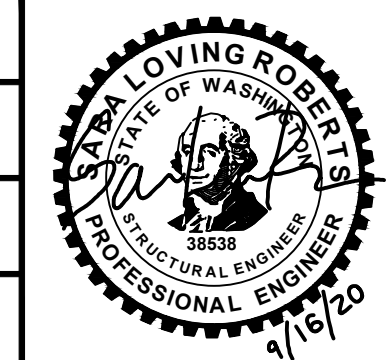
-  INDICATES BOUNDARY OF 1"=20' SCALE DRAWING SET
-  INDICATES BOUNDARY OF 1"=10' SCALE DRAWING SET




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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
D. JUNG  
DRAWN BY:  
B. RONIA  
CHECKED BY:  
J. LEHMAN  
APPROVED BY:  
S. ROBERTS



LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>	<b>DP-2</b>	<b>SITWORK AND SITE UTILITIES</b>
	SCALE: 1"=100'	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>  GENERAL KEY PLAN
	FILENAME: S317-GEN-GZK123	
	CONTRACT No.: RTA/CN 0612-18	
	SUBMITTAL DATE: 09/16/2020	
SUBMITTED BY: SARA ROBERTS		DRAWING No.: <b>GEN-GZK123</b>
DATE: XX/XX/XXXX		FACILITY ID: F1592
REVIEWED BY: GREG SHIMIZU		SHEET No.: REV: <b>2/81</b>
DATE: XX/XX/XXXX		

No.	DATE	DSN	CHK	APP	REVISION



Xrefs:  
GB-SEAL-JGM40855  
xGB-1B22x34

**GENERAL NOTES**

**PUYALLUP GENERAL NOTES:**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE 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.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
- ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY CITY.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
- ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

**PUYALLUP STORM WATER NOTES:**

- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE. CITY OF PUYALLUP - CITY STANDARDS STORM REVISED 10/2019 200-17.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30-20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30-30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
  - THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
  - PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
  - CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
  - DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
  - POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1), 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, 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.
  - TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
  - STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
  - ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
  - ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.

**PUYALLUP WATER SYSTEM NOTES:**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER, 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.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 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.
- 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. CITY OF PUYALLUP - CITY STANDARDS WATER REVISED 3/2020 300-8.
- 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.
- 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.
- 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.
- 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.
- VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
- 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.
- PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
- WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- 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.
- TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.
- 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.
- ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.
- 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 AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND. CITY OF PUYALLUP - CITY STANDARDS WATER REVISED 3/2020 300-9.
- 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.
- 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.

**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.
- 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.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE 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.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 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).
- 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. CITY OF PUYALLUP - CITY STANDARDS SANITARY SEWER REVISED 03/2020 400-8 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 F2784. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2784. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PI 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.
- SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
- 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 CHANNIELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- 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.
- 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.
- 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.
- 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.

**CONSTRUCTION NOTES**

**SITework NOTES:**

- CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09.
- CONST SIDEWALK, SEE COP STD PLAN 01.02.01.
- CONST DECORATIVE CONCRETE, SEE HARDSCAPE PLANS.
- CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12.
- CONST DEPRESSED CURB ALONG ADA PARKING, SEE WSDOT STD PLAN F-10.12.
- CONST PARKING LOT PAVEMENT, SEE DWG F1592-CR7021.
- CONST FULL DEPTH PAVEMENT, SEE COP STD PLAN 01.01.06.
- CONST CURB RAMP TYPE B, SEE COP STD PLAN 01.03.04.
- CONST WIDENED REINFORCED PROTECTION GUTTER, SEE F1592-CPD011.
- CONST FULL DEPTH PAVEMENT PATCH PER 01.01.20, EXCEPT WITHOUT OVERLAY.
- CONST CURB RAMP TYPE A, SEE COP STD PLAN 01.03.03.
- CONST CURB RAMP TYPE C, SEE COP STD PLAN 01.03.05.
- CONST DRIVEWAY ALT 1, SEE COP STD PLAN 01.02.17.
- CONST FRENCH DRAIN, SEE DWG F1592-CR7021.
- CONST CHAIN LINK FENCE TYPE 3, SEE WSDOT STD PLAN L-20.10-03.
- CONST TRANSFORMER PAD, 6" SIDEWALK CONCRETE
- CONST GENERATOR PAD, 6" SIDEWALK CONCRETE
- CONST TRASH RECEPTACLE PAD, 6" SIDEWALK CONCRETE
- CONST BOLLARD, SEE WSDOT STD PLAN H-60.20-01
- 4" WIDE YELLOW PAINT STRIPE
- CONST PRE-CAST CONCRETE WHEEL STOP.
- DISABLED PERSON SYMBOL MARKING, SEE COS STD PLAN 721a.
- 4" WIDE WHITE PAINT STRIPE.
- PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F15192-LRP104 FOR THE PROPOSED IRRIGATION MAIN
- TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14.
- 18" WIDE THERMOPLASTIC WHITE STOP LINE.
- CONST SIGN R6-2L (ONE WAY [LEFT]) ON TELESAR POST, PER COP STD PLAN 01.40.01
- CONST SIGN R6-2R (ONE WAY [RIGHT]) ON TELESAR POST, PER COP STD PLAN 01.40.01
- CONST STOP SIGN PER COP STD PLAN 01.04.02.
- CONST SIGN R7-801 (RESERVED PARKING) ON TELESAR POST.
- CONST SIGN ASSEMBLY R7-801, R7-801A (RESERVED PARKING, VAN ACCESSIBLE) ON TELESAR POST, PER COP STD PLAN 01.40.01
- CONST SIGN R6-2R (ONE WAY [RIGHT]) ON EXISTING SIGNAL POLE.

**UTILITY NOTES:**

- CONST 6" PVC SAMPLING TEE PER COP STD 01.03.04.
- CONST SIDE SEWER MAIN TAP PER COP STD 04.02.01.
- CONST 6" TO 4" PVC REDUCER.
- CONST 6" PVC SIDE SEWER.
- CONST 48" MH PER COP STD 04.01.01.
- CONST 44" OIL WATER SEPARATOR.
- CONST DI 6" RESILIENT WEDGE GATE VALVE.
- CONST 3" PVC SIDE SEWER.
- CONST 4" X 4" X 3" WYE.
- CONST DI 6" FIRE SVC.
- CONST 2" DOM WATER SVC PER COP STD 03.03.02.
- CONST 2" IRRG SVC PER COP STD.
- CONST 8" DI WATER MAIN PER COP STD 03.01.01.
- CONST FH PER COP STD 03.05.01.
- CONST THRUST BLK PER COP STD'S 03.03.01-1 & 03.02.01-3.
- CONST 10" DI WATER MAIN PER COP STD 03.01.01.
- CONST 2" DCVA PER COP STD 03.04.01.
- CONNECT TO MAIN PER COP STD SPEC 301.1 NOTE 3.
- CONNECT TO EXIST 8" MAIN WITH TAPPING SLEEVE.
- CONNECT TO EXIST 10" MAIN WITH TAPPING SLEEVE.
- PSE TO CONST PP, NIC.
- PSE TO CONST POWER SVC.
- PSE TO RMV PP, NIC.
- CONST 4" CONDUIT.

**DEMOLITION NOTES:**

- REMOVAL LIMITS.
- REMOVE UTILITY STRUCTURE.
- REMOVE UTILITY PIPE.
- ABANDON UTILITY PIPE.
- ADJUST EXISTING UTILITY TO FINISH GRADE.
- REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS).
- REMOVE STRUCTURE AND OBSTRUCTION.
- REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE AND GATE.
- RELOCATE BNSF EQUIPMENT (BY OTHERS).
- PROTECT EXISTING UTILITY OR STRUCTURE.
- RELOCATE EXISTING UTILITY STRUCTURE.
- CAP WATER MAIN.
- INSTALL THRUST BLOCK, PER COP STD PLAN 03.02.01-1 & 03.02.01-3.
- PLUG UTILITY PIPE.
- REMOVE BLDG STRUCTURE.
- PSE TO REMOVE PP NIC.
- PSE TO REMOVE OHP NIC.
- PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND AND OVERLAY.
- REMOVE WATER VALVE.
- PROTECT TREES.
- REMOVE CURB.
- REMOVE SIDEWALK.
- FILL ABANDONED PIPE WITH CDF
- PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F1592-LRP104 FOR THE PROPOSED IRRIGATION MAIN

**APPROVED**  
BY Jessie Baker  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

12/29/20 1 3:03 PM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CZND001.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504

DESIGNED BY:  
**S. KIRBY**  
DRAWN BY:  
**J. CURTIS**  
CHECKED BY:  
**J. MATTHEWS**  
APPROVED BY:  
**J. MATTHEWS**



SUBMITTED BY:  
**SARA ROBERTS**



DATE:  
**XX/XX/XXXX**

REVIEWED BY:  
**GREG SHIMIZU**

DATE:  
**XX/XX/XXXX**

DATE:  
**09/16/2020**

**PACKAGE # DP-2 SITEWORK AND UTILITIES**

SCALE:  
N/A  
FILENAME:  
**S317-F1592-CZND001**  
CONTRACT No.:  
**RTA/CN 0612-18**  
SUBMITTAL DATE:  
**09/16/2020**

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**  
**PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS**  
**CIVIL GENERAL NOTES**

DRAWING No.:  
**F1592-CZND001**  
FACILITY ID:  
**F1592**  
SHEET No.:  
**3/81**



Xrefs:  
GB-SEAL-JGM40855  
xGB-TB22x34  
xS317-F1592-CZN001

**SYMBOLS**

**ABBREVIATIONS**

EXISTING	PROPOSED

EXISTING	PROPOSED

EXISTING	UTILITY LINE	PROPOSED
	CABLE TV UNDERGROUND	C
	CABLE TV OVERHEAD	OC
	ELECTRIC UNDERGROUND	E
	ELECTRIC/FIBER OPTIC UNDERGROUND	EFO
	ELECTRIC OVERHEAD	OE
	ELECTRIC/CABLE TV OVERHEAD	OEC
	ELECTRIC/TELEPHONE	ET
	ELECTRIC/TELEPHONE OVERHEAD	OET
	ELECTRIC/TELEPHONE/CABLE OVERHEAD	OEC
	ELECTRIC/FIBER OPTIC OVERHEAD	OEF
	ELECTRIC/CABLE/FIBER OPTIC OVERHEAD	OECFO
	FIBER OPTIC	FO
	CABLE/FIBER OPTIC	CFO
	TELEPHONE/CABLE/FIBER OPTIC	TCFO
	TELEPHONE/FIBER OPTIC	T&FO
	TELEPHONE/CABLE TV	CT
	OIL PIPELINE	OP
	SANITARY SEWER	SS
	STEAM	
	STORM DRAIN	SD
	UNDERDRAIN	UD
	COMBINED SEWER	CS
	TELEPHONE	T
	TELEPHONE OVERHEAD	OT
	FIBER OPTIC OVERHEAD	FO
	WATER	W
	GUY WIRE	X
	GRADE LINE	
	FENCE	X
	MAJOR CONTOUR	
	MINOR CONTOUR	
	GRADE BREAK	
	GUARD RAIL	I
	CONTRACTOR WORKING LIMITS	
	TOP OF CUT	C
	TOE OF FILL	F

EXISTING	UTILITY LINE (CONT'D)	PROPOSED
	DITCH	
	CURB	
	CLEARING AND GRUBBING LIMITS	
	CONSTRUCTION FENCE	
	HAND RAILING	

**UNDERGROUND UTILITIES W/ A DIAMETER OR WIDTH 18" & GREATER**

	18" SS	SANITARY SEWER	18" SS
	18" SD	STORM DRAIN	18" SD
	18" CS	COMBINED SEWER	18" CS
	18" W	WATER	18" W
	T (2' W X 2' D DB)	TELEPHONE DUCT BANK	T (2' W X 2' D DB)
	T&FO (2' W X 2' D DB)	TELEPHONE/FIBER OPTIC DUCT BANK	T&FO (2' W X 2' D DB)
	24" CC	CONCRETE CULVERT	24" CC
	24" E	ELECTRIC DUCT BANK	E (2' W X 2' D DB)

**LEGEND**

**DEMOLITION**

HMA PAVEMENT REMOVAL	
DEMO STRUCTURE	
REMOVAL LIMITS AND STAGING AREA	
FACILITY TO ABANDON	
FACILITY TO REMOVE	
SAW CUT	
SIDEWALK REMOVAL	

**PROPOSED**

HMA PARKING LOT, SEE TYPICAL SECTIONS	
CONCRETE SIDEWALK	
LANDSCAPE, SEE LANDSCAPE PLANS	
FULL DEPTH PAVEMENT SEE TYPICAL SECTIONS	
2" HMA PLANE AND OVERLAY	

&	AND
BLDG	BUILDING
BLK	BLOCK
CDF	CONTROLLED DENSITY FILL
COMM	COMMUNICATION
CONST	CONSTRUCT, CONSTRUCTION
CBC	CRUSHED BASE COURSE
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
DB	DUCT BANK
DCVA	DETECTOR CHECK VALVE ASSEMBLY
DI	DUCTILE IRON
DOM	DOMESTIC
DWG	DRAWING
EXIST	EXISTING
FH	FIRE HYDRANT
HMA	HOT MIX ASPHALT
ID	INTERNAL DIAMETER
IRRG	IRRIGATION
LT	LEFT
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
NIC	NOT IN CONTRACT
OHP	OVERHEAD POWER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PP	POWER POLE
PSE	PUGET SOUND ENERGY
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE (PIPE)
PVMT	PAVEMENT
R	RADIUS
RMV	REMOVE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SPEC	SPECIFICATION
STD	STANDARD
SS	SANITARY SEWER
SVC	SERVICE
TYP	TYPICAL
WQ	WATER QUALITY
WSDOT	WASHINGTON DEPARTMENT OF TRANSPORTATION
WTR	WATER
W/O	WITHOUT
ZPG	ZEOLITE-PERLITE-GRANULAR ACTIVATED CARBON

**APPROVED**

BY

CITY OF PUYALLUP  
DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

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

12/29/20 1:30:03 PM | MICHAEL V. Z:\19000001-19000991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CZN010.DWG

**CIVIL PERMIT RESUBMITTAL**

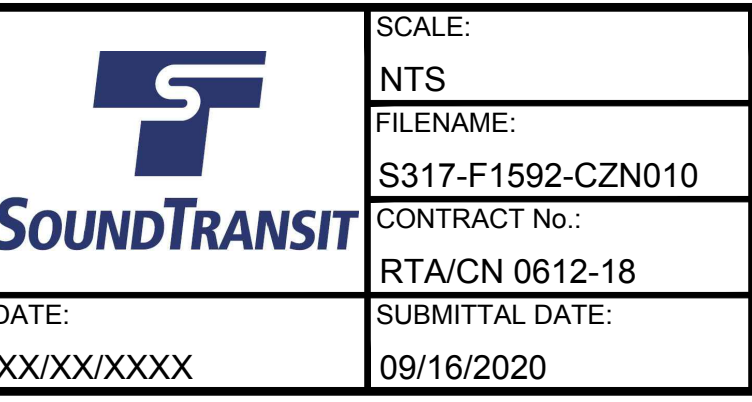
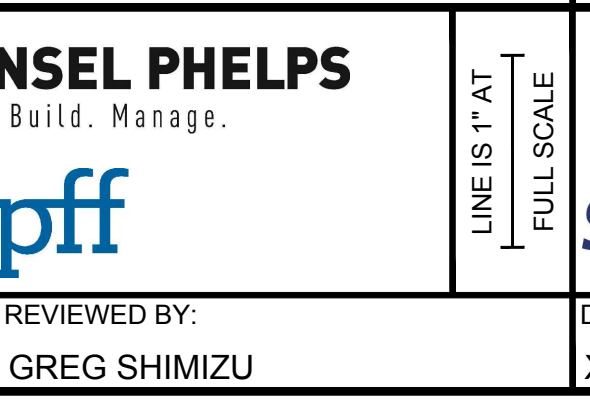
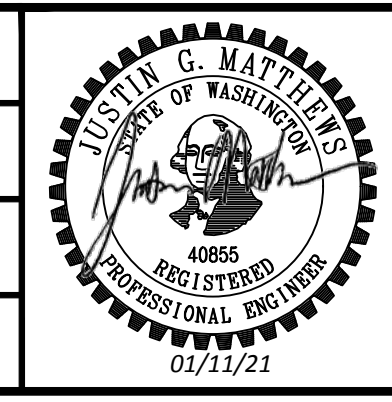
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504

DESIGNED BY:  
S. KIRBY

DRAWN BY:  
J. CURTIS

CHECKED BY:  
J. MATTHEWS

APPROVED BY:  
J. MATTHEWS



**PACKAGE # DP-2**

**SITework AND UTILITIES**

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL  
SYMBOLS, LEGEND, AND ABBREVIATIONS

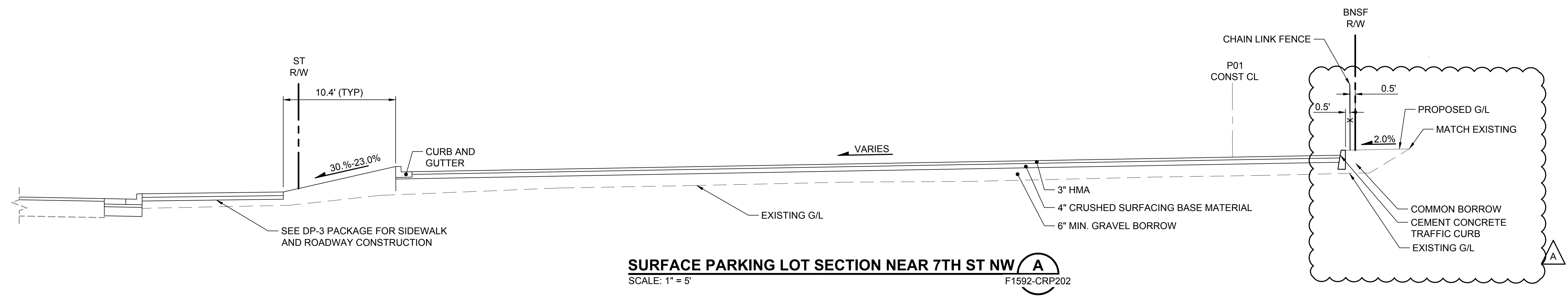
DRAWING No.:  
**F1592-CZN010**

FACILITY ID:  
F1592

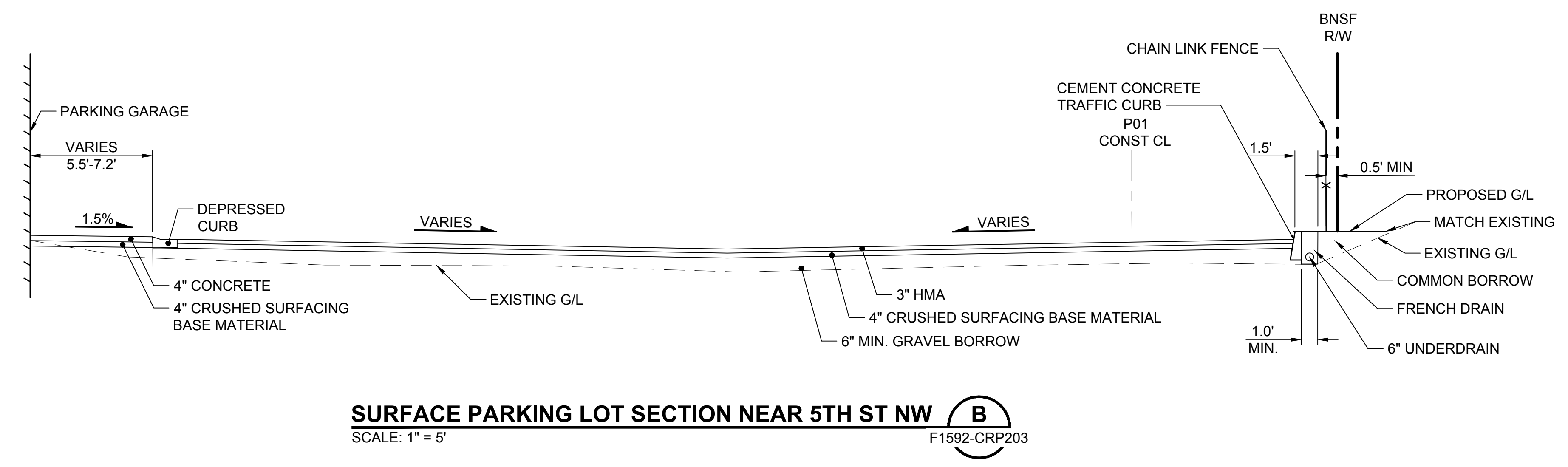
SHEET No.: REV:  
**4/81**



Xrefs:  
 GB-SEAL-JGM40855  
 xS317-F1592-CRY100  
 xGB-1B22x34



**SURFACE PARKING LOT SECTION NEAR 7TH ST NW (A)**  
 SCALE: 1" = 5' F1592-CRP202



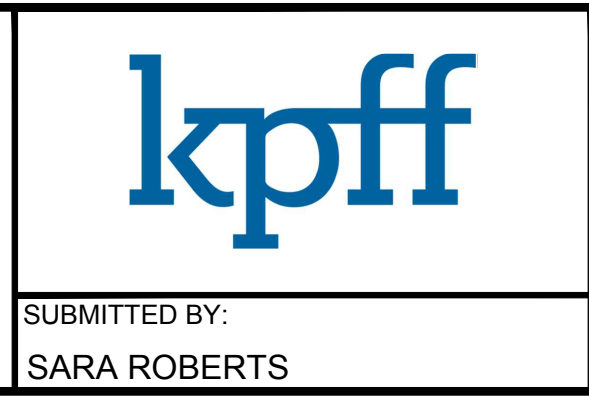
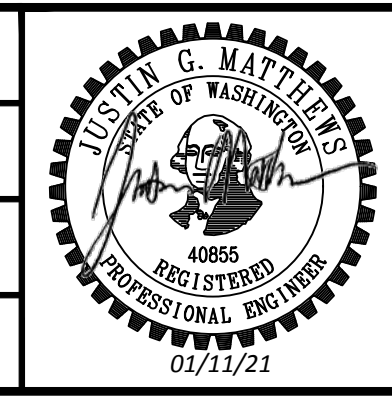
**SURFACE PARKING LOT SECTION NEAR 5TH ST NW (B)**  
 SCALE: 1" = 5' F1592-CRP203

**APPROVED**  
 BY: *Joseph B. Baker*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

12/29/20 1 3:02 PM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRY021.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS

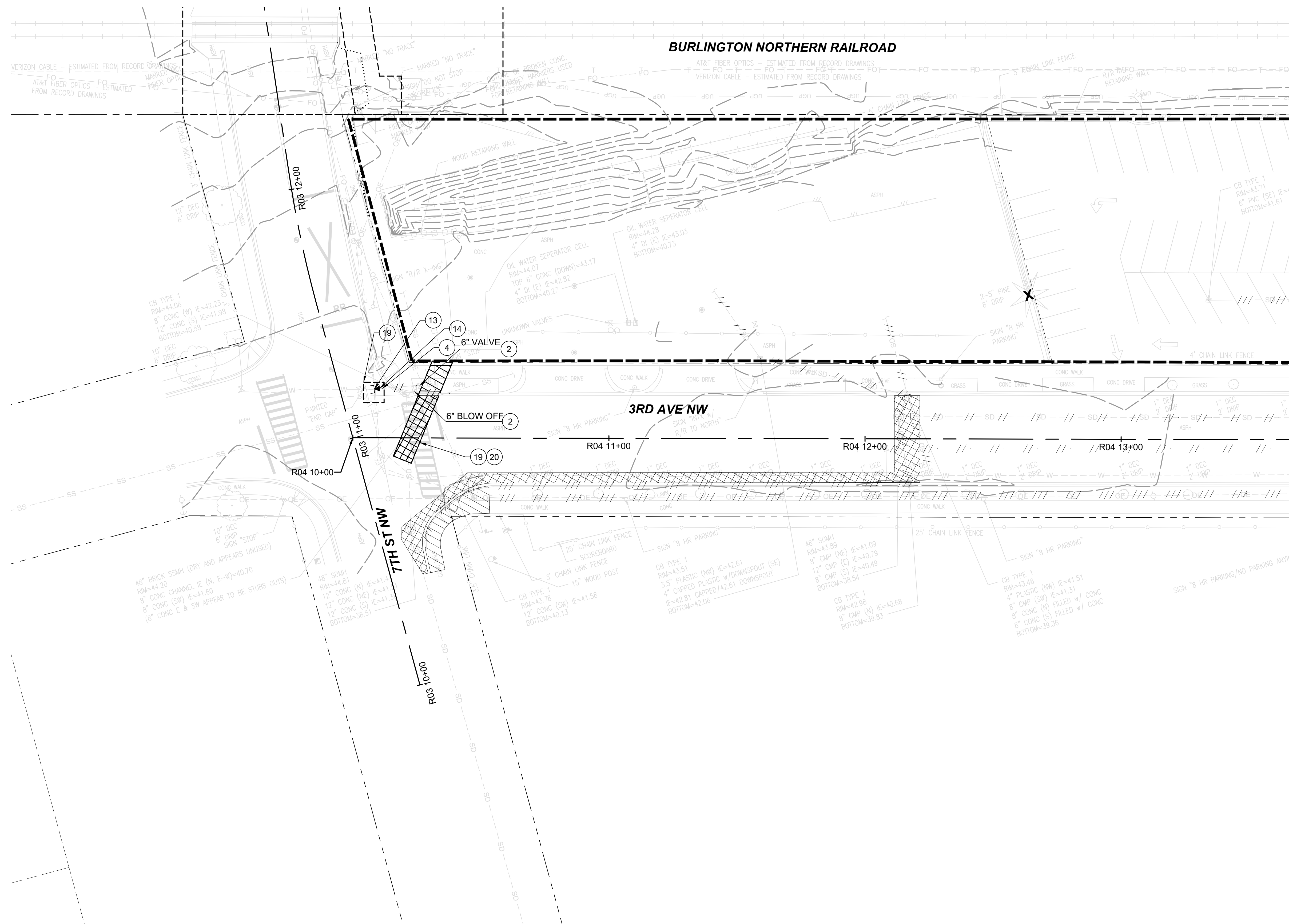


LINE IS 1" AT FULL SCALE

<b>PACKAGE # DP-2</b>		<b>SITWORK AND UTILITIES</b>	
<b>CIVIL PERMIT RESUBMITTAL</b>		<b>PUYALLUP STATION PARKING</b>	
CONTRACT No.: RTA/CN 0612-18		CONTRACT RTA/CN 0612-18	
SUBMITTED BY: SARA ROBERTS		SUBMITTAL DATE: 09/16/2020	
DATE: XX/XX/XXXX		DATE: XX/XX/XXXX	
REVIEWED BY: GREG SHIMIZU		REVIEWED BY: GREG SHIMIZU	
DRAWING No.: F1592-CRY021		DRAWING No.: F1592-CRY021	
FACILITY ID: F1592		FACILITY ID: F1592	
SHEET No.: 5/81		SHEET No.: 5/81	



Xrefs:  
 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 xS317-F1592-CXP100  
 xGB-TB22x34  
 xS317-F1592-CPP100

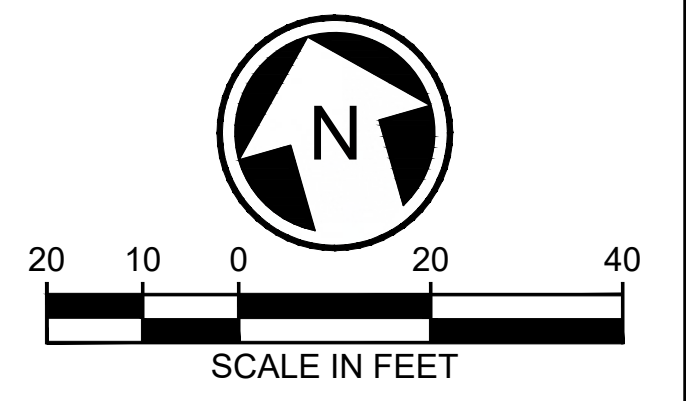


- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR SYMBOLS, ABBREVIATION, AND LEGEND, SEE DRAWING F1592-CZN010.

- CONSTRUCTION NOTES:**
- REMOVE UTILITY STRUCTURE
  - ABANDON UTILITY PIPE
  - CAP WATER MAIN
  - INSTALL THRUST BLOCK, PER COP STD PLAN 03-02.01-1 & 03.02.01-3
  - PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND AND OVERLAY
  - 2" HMA PATCH OVER TRENCH BACKFILL

MATCHLINE: STA R04 13+66.50 SEE DWG F1592-CXP203

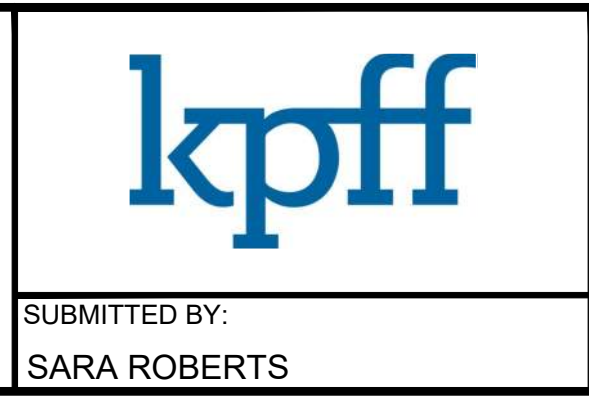
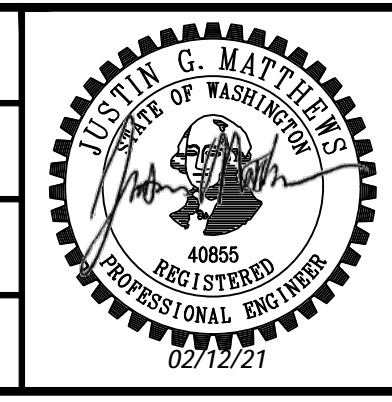
**APPROVED**  
 BY: *Justin G. Matthews*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



02/12/21 | 7:31 AM | MICHAEL V Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CXP202.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
B	02/12/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
A	01/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	01/27/21	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. KIRBY  
 DRAWN BY:  
M. VU  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
01/27/2021  
 REVIEWED BY:  
GREG SHIMIZU

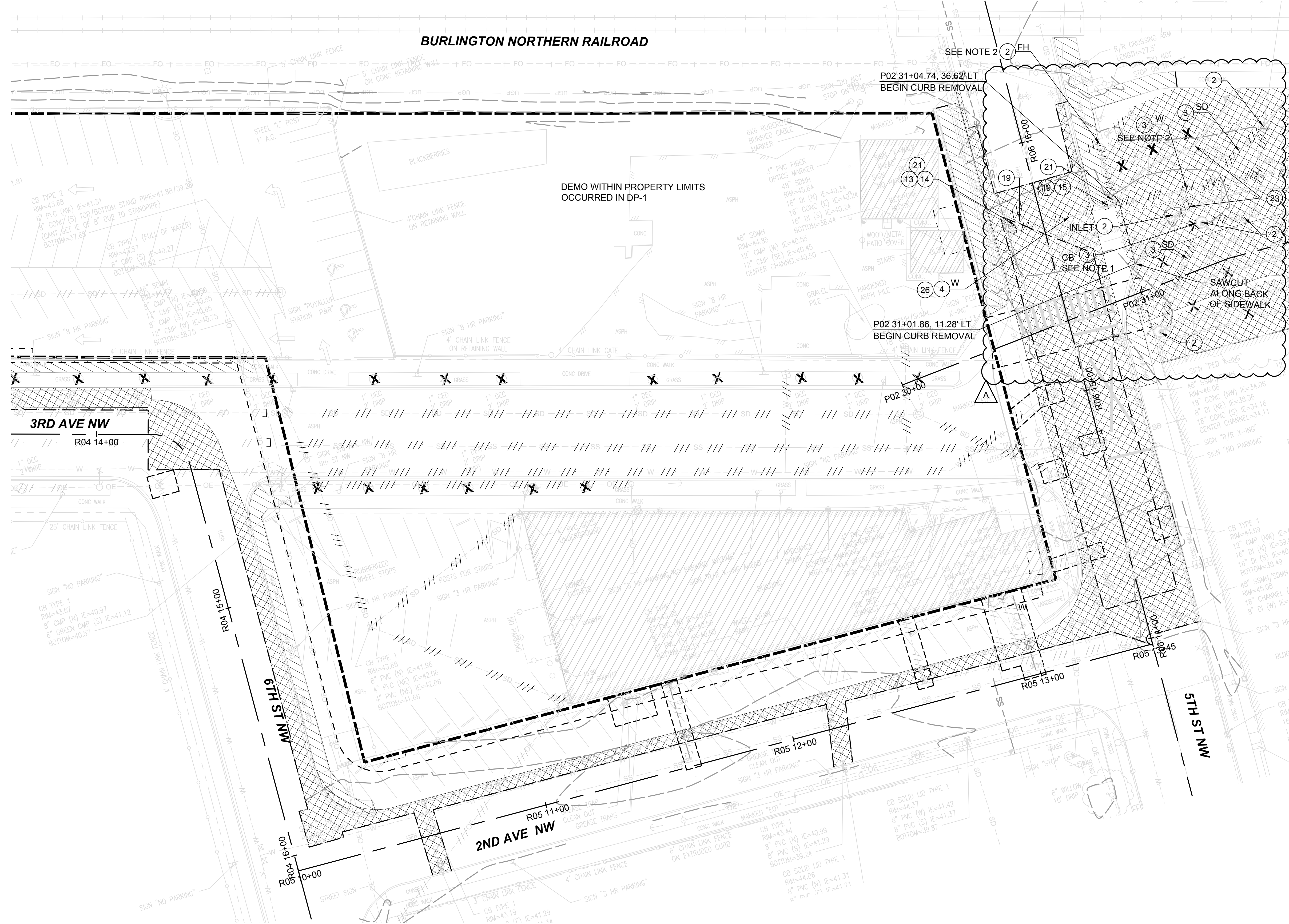
<b>PACKAGE #</b>	DP-2
<b>SITework AND UTILITIES</b>	
SCALE:	1"=20'
FILENAME:	S317-F1592-CXP202
CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	01/27/2021

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL  
 SITE DEMOLITION AND REMOVAL PLAN

DRAWING No.:	F1592-CXP202
FACILITY ID:	F1592
SHEET No.:	4
REV:	6/81



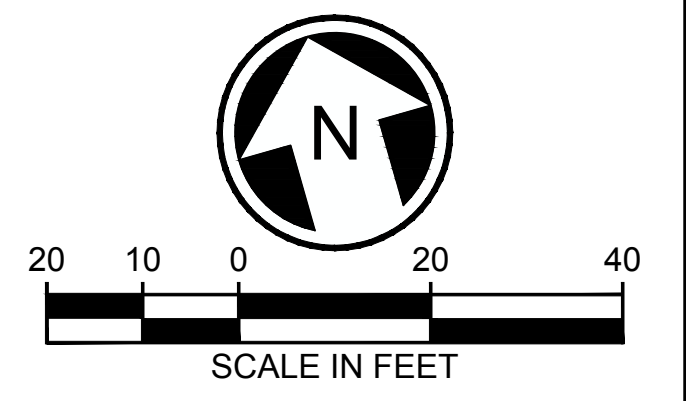
Xrefs:  
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 xS317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 xS317-F1592-CXP100  
 xGB-TB22x34



- GENERAL NOTES:**
1. REMOVAL OF STORM DRAINAGE PIPE AND STRUCTURES TO TAKE PLACE AFTER RELOCATION OF STORM VAULT. SEE F1592-CGP203 FOR MORE DETAIL.
  2. REMOVAL OF WATER MAIN AND FIRE HYDRANT TO OCCUR AFTER NEW MAIN CONNECTION AND REPLACEMENT FIRE HYDRANT HAS BEEN ACTIVATED.
  3. PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.

- CONSTRUCTION NOTES:**
- 1 REMOVAL LIMITS
  - 2 REMOVE UTILITY STRUCTURE
  - 3 REMOVE UTILITY PIPE
  - 4 ABANDON UTILITY PIPE
  - 13 CAP WATER MAIN
  - 14 INSTALL THRUST BLOCK, PER COP STD PLAN 03-02.01-1 & 03.02.01-3
  - 15 PLUG UTILITY PIPE
  - 19 PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND & OVERLAY
  - 21 REMOVE WATER VALVE
  - 23 REMOVE CURB
  - 26 FILL ABANDONED PIPE WITH CDF

**APPROVED**  
 BY: *Janet Bailey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

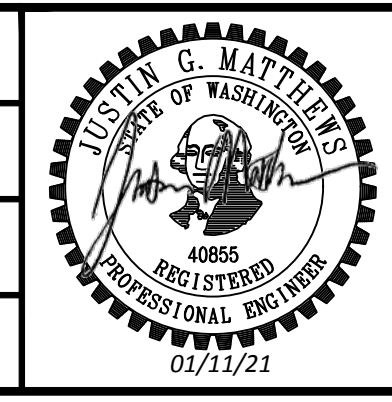


12/29/20 1 3:03 PM | MICHAEL V. ZIEMER | 19000991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CXP203.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. KIRBY  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

**PACKAGE # DP-2 SITework AND UTILITIES**

SCALE:  
1"=20'  
 FILENAME:  
S317-F1592-CXP203  
 CONTRACT No.:  
RTA / CN 0612-18  
 SUBMITTAL DATE:  
12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 SITE DEMOLITION AND REMOVAL PLAN

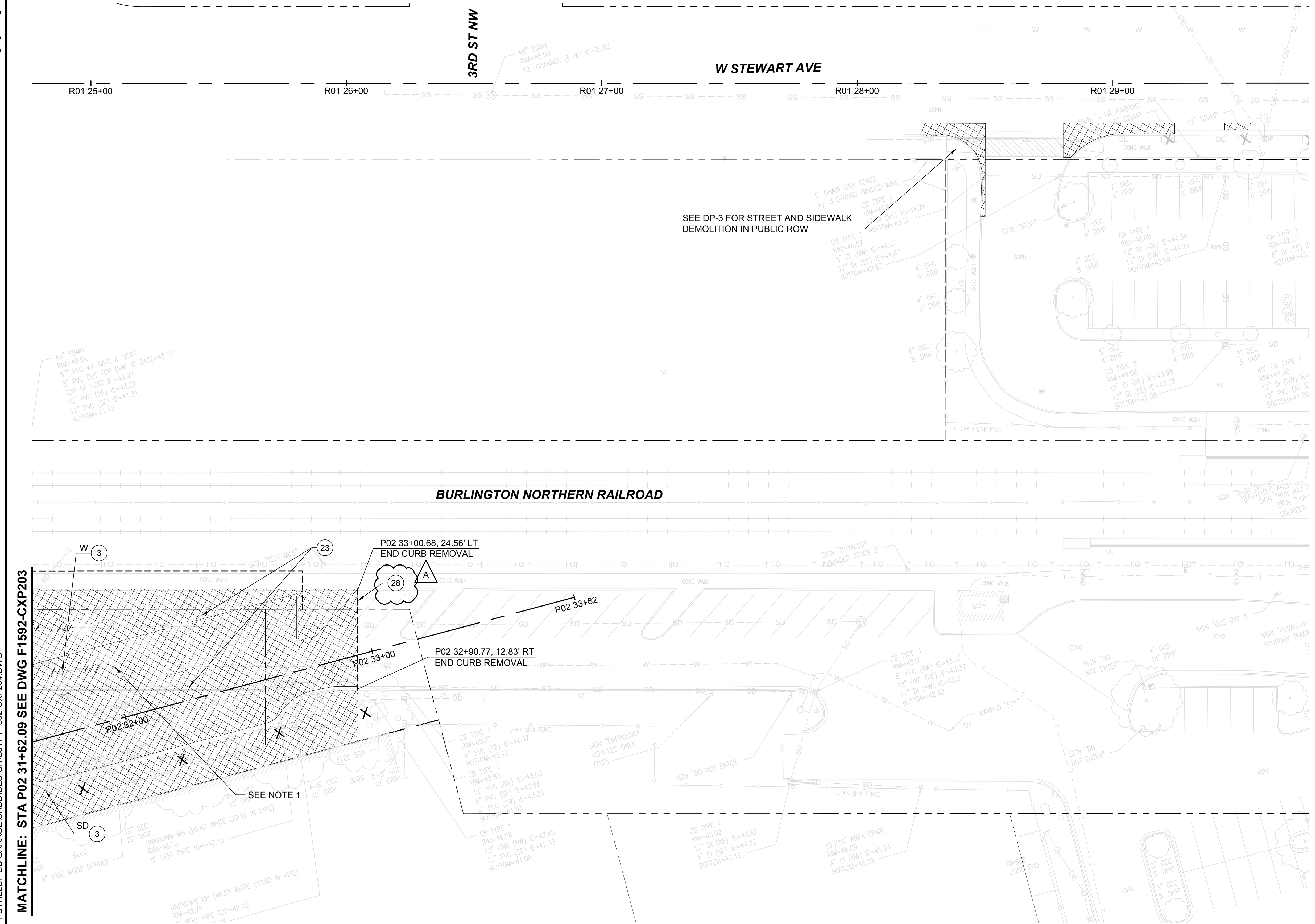
DRAWING No.:  
**F1592-CXP203**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
7/81



Xrefs:  
 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 xB-SEAL-JGM40855  
 xGB-TB-Views\_220  
 xS317-F1592-CXP100  
 xGB-TB22x34  
 xS317-F1592-CPP100

- GENERAL NOTES:**
- RECONNECT WATER MAIN AT TIME OF DEMO. SEE SHEET F1592-UCP204.
  - PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.

- CONSTRUCTION NOTES:**
- REMOVAL LIMITS
  - REMOVE UTILITY PIPE
  - REMOVE CURB
  - PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F1592-LRP104 FOR THE PROPOSED IRRIGATION MAIN



MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CXP203

**APPROVED**

BY: *Frank Bailey*

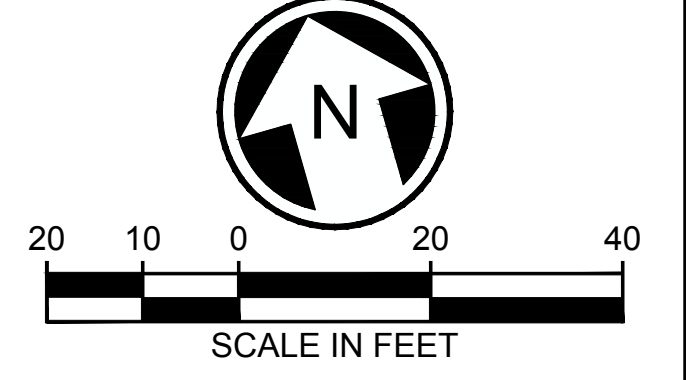
CITY OF PUYALLUP  
DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

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



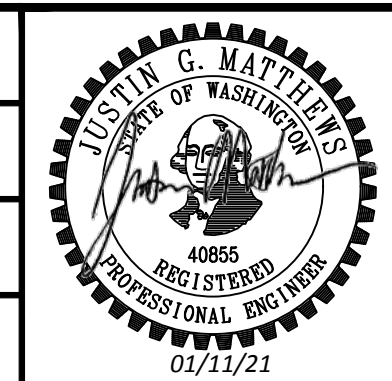
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No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. KIRBY

DRAWN BY:  
J. CURTIS

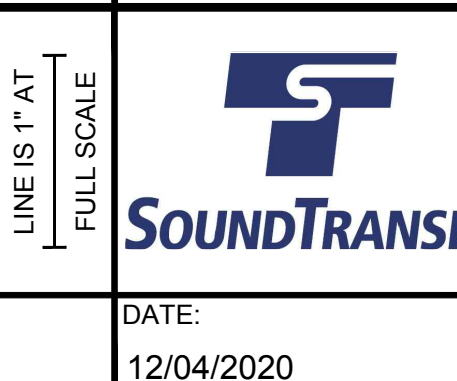
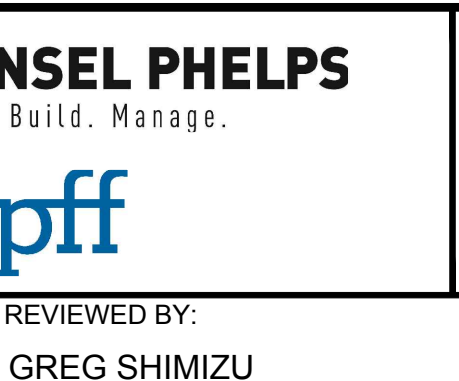
CHECKED BY:  
J. MATTHEWS

APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS

DATE:  
12/04/2020



PACKAGE # DP-2 SITEWORK AND UTILITIES

SCALE:  
1"=20'

FILENAME:  
S317-F1592-CXP204

CONTRACT No.:  
RTA/CN 0612-18

SUBMITTAL DATE:  
12/04/2020

**PUYALLUP STATION PARKING  
CONTRACT RTA/CN 0612-18**

PUYALLUP STATION PARKING AND ACCESS  
IMPROVEMENTS

CIVIL  
DEMOLITION AND REMOVAL PLAN

DRAWING No.:  
**F1592-CXP204**

FACILITY ID:  
F1592

SHEET No.: REV:  
**8/81**

12/29/20 1:30:2 PM | MICHAEL V  
Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CXP204.DWG



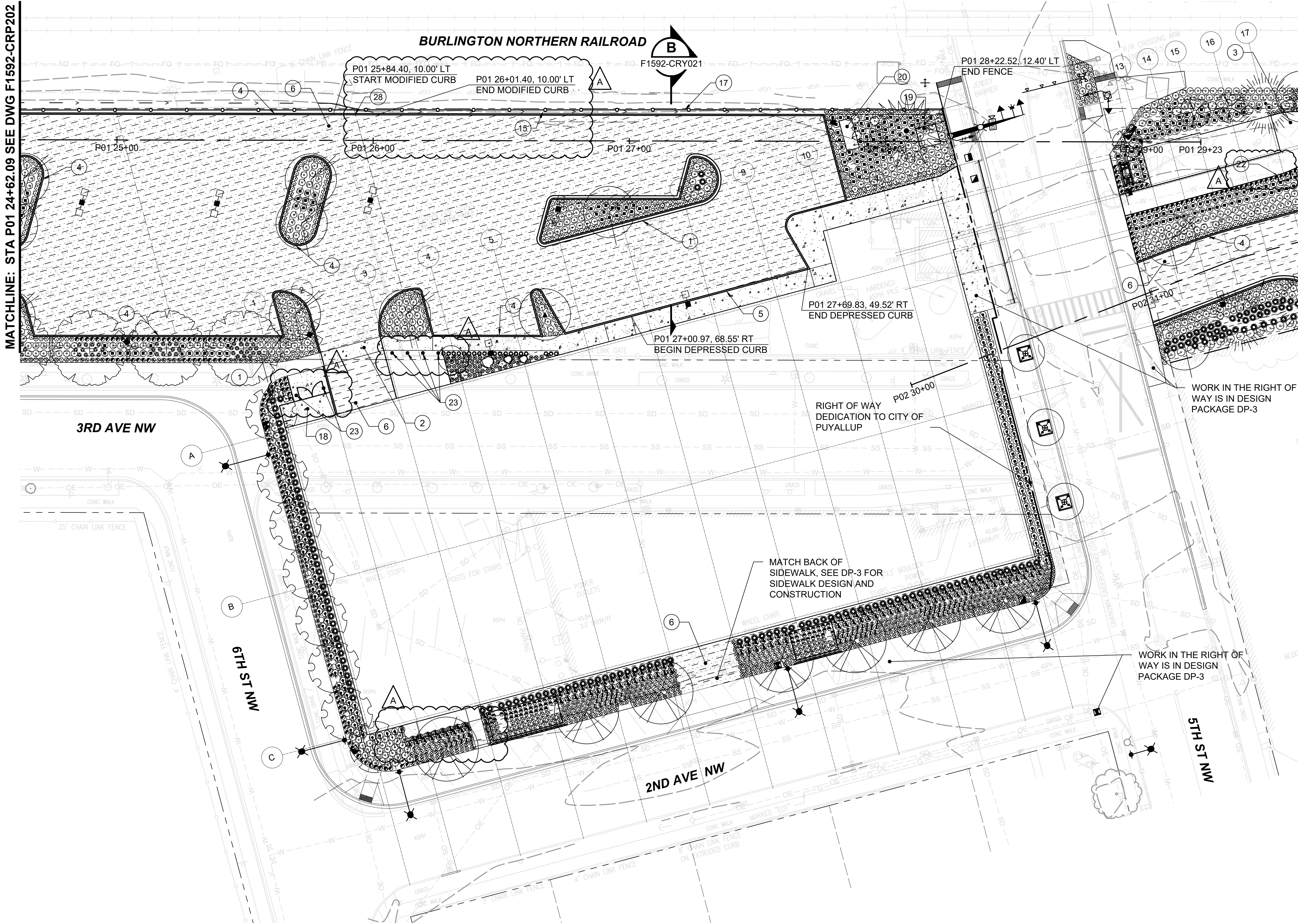




Xrefs:  
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 xS317-F1592-VRX100  
 xGB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 xS317-F1592-CSP100  
 xS317-F1592-CPP100  
 xS317-F1592-SGP100  
 xS317-F1592-CLP100  
 xS317-F1592-ELP100  
 xS317-F1592-TSP100  
 xS317-F1592-LRP100  
 xS317-F1592-LPP100

MATCHLINE: STA P01 24+62.09 SEE DWG F1592-CRP202

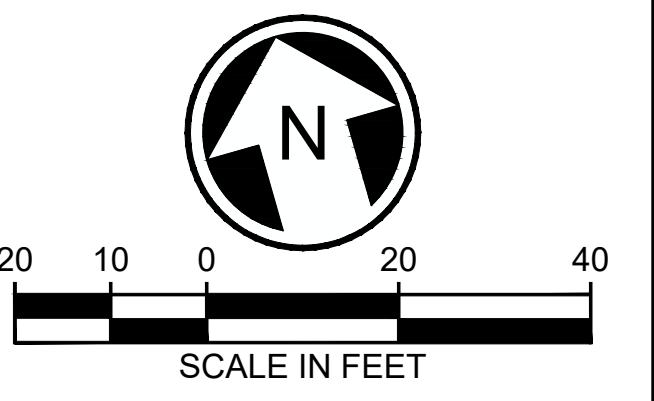
MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CRP204



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.
  - SEE F1592-CGP202 THRU F1592-CGP204 FOR HORIZONTAL AND VERTICAL CONTROL OF CURBS.
  - SEE F1592-LRP102 THRU F1592-LRP104 FOR THE IRRIGATION PIPE SLEEVES UNDER PAVING.
  - SEE F1592-LHP102 THRU F1592-LHP104 FOR SIDEWALK FINISHES AND SPECIALTY PAVING.

- CONSTRUCTION NOTES:**
- CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09
  - CONST SIDEWALK, SEE COP STD PLAN 01.02.01
  - CONST DECORATIVE CONCRETE, SEE DRAWING F1592-LHD101
  - CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12
  - CONST DEPRESSED CURB ALONG ADA PARKING, SEE WSDOT STD PLAN F-10.12.
  - CONST PARKING LOT PVMT, SEE DWG F1592-CRY021
  - CONST FRENCH DRAIN, SEE DWG F1592-CRY021
  - CONST CHAIN LINK FENCE TYPE-3, SEE WSDOT STD PLAN L-20.10-03
  - CONST TRASH ENCLOSURE PAD, SEE STRUCTURAL PLANS
  - CONST TRANSFORMER PAD, 6" SIDEWALK CONCRETE
  - CONST GENERATOR PAD, 6" SIDEWALK CONCRETE
  - CONST TRASH RECEPTACLE PAD, 6" SIDEWALK CONCRETE
  - CONST BOLLARD, SEE WSDOT STD PLAN H-60.20-01
  - CONST MODIFIED CURB, SEE DETAIL 4 ON DRAWING F1592-CPD024

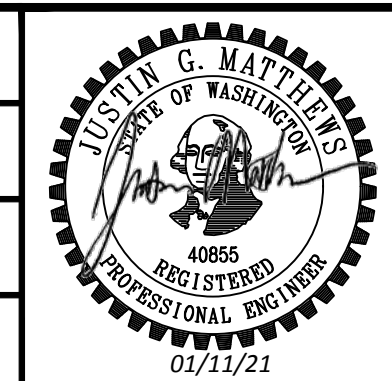
**APPROVED**  
 BY *Paul Baker*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



01/05/21 | 10:19 AM | MICHAELV  
 Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRP203.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
T. CURTICE  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

PACKAGE # DP-2  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-CRP203  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

**SITWORK AND UTILITIES**  
**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL SITE PLAN

DRAWING No.: F1592-CRP203  
 FACILITY ID: F1592  
 SHEET No.: 10/81

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION



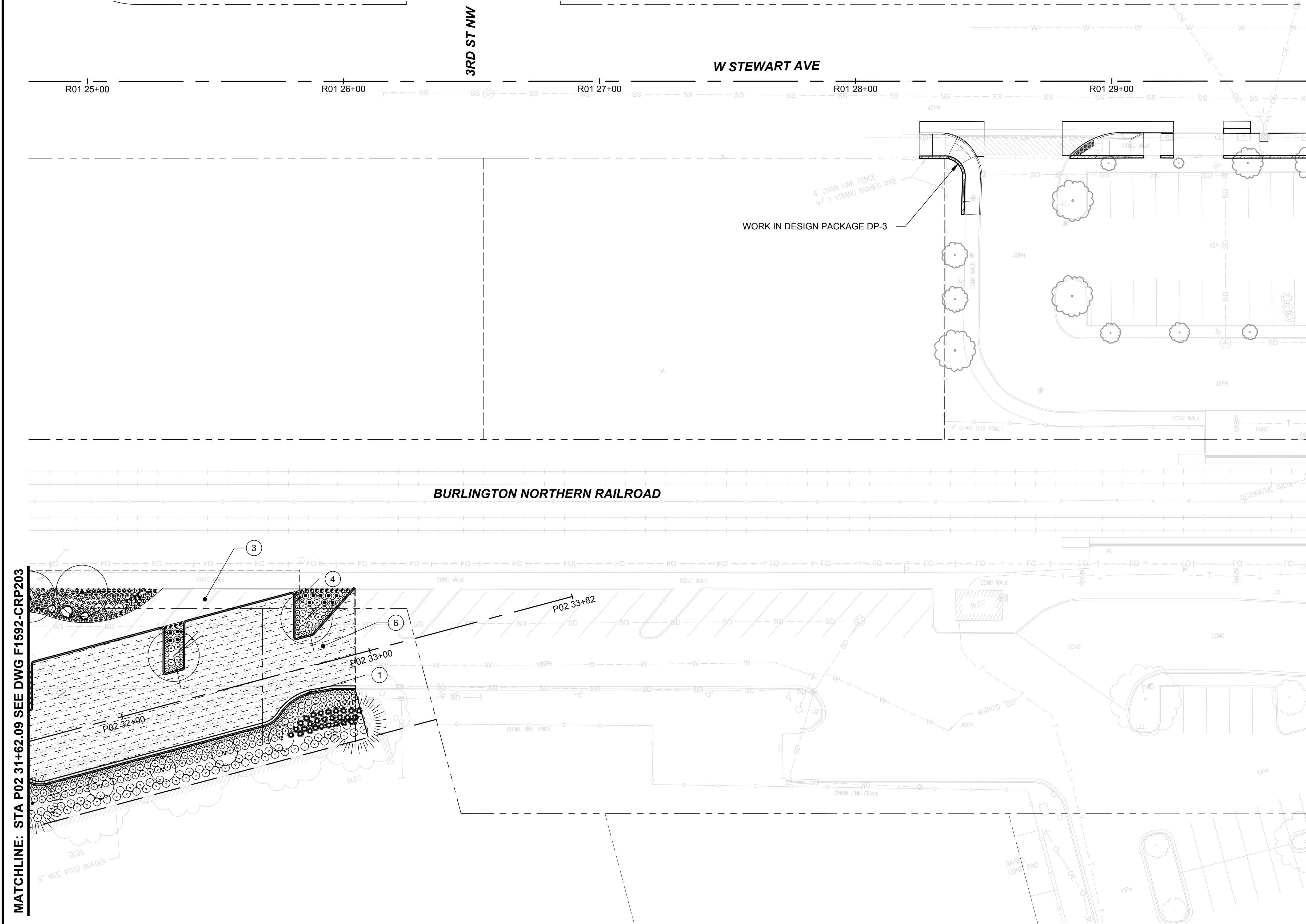
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 GB-SEAL-JGM40855  
 xGB-TB-Views\_220  
 xS317-F1592-CSP100  
 xS317-F1592-CDP100  
 xS317-F1592-CPP100  
 xGB-IB22x34  
 xS317-F1592-CLP100  
 xS317-F1592-TSP100  
 xS317-F1592-LPP100

**GENERAL NOTES:**

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.
3. SEE F1592-CGP202 THRU F1592-CGP204 FOR HORIZONTAL AND VERTICAL CONTROL OF CURBS.
4. SEE F1592-LRP102 THRU F1592-LRP104 FOR THE IRRIGATION PIPE SLEEVES UNDER PAVING.
5. SEE F1592-LHP102 THRU F1502-LHP104 FOR SIDEWALK FINISHES AND SPECIALTY PAVING.

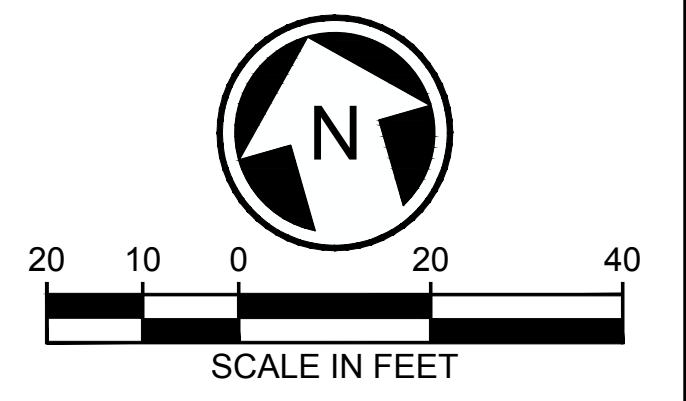
**CONSTRUCTION NOTES:**

1. CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09
3. CONST DECORATIVE CONCRETE SEE DRAWING F1592-LHD101
4. CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12
6. CONST PARKING LOT PAVEMENT, SEE DWG F1592-CRY021



MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CRP203

**APPROVED**  
 BY: *Justin G. Matthews*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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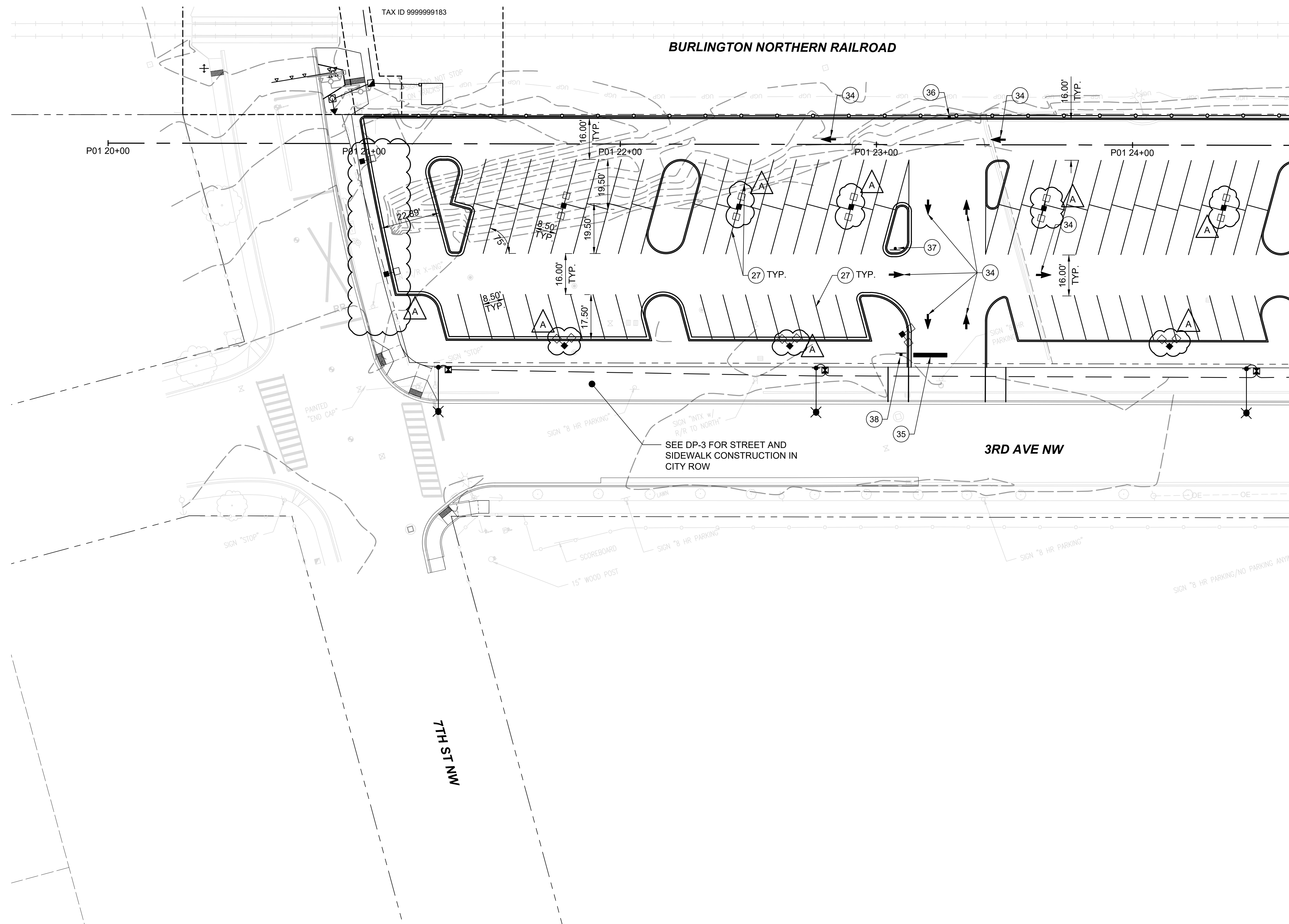
12/15/20 | 2:08 PM | MICHAEL V ZI, 19000001-19009991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CRP204.DWG

<b>CIVIL PERMIT RESUBMITTAL</b>					DESIGNED BY: S. GUJULUVA RAJAN			 Plan. Build. Manage.		LINE IS 1" AT FULL SCALE		SCALE: 1"=20'	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>	DRAWING No.: <b>F1592-CRP204</b>
					DRAWN BY: T. CURTICE							CHECKED BY: J. MATTHEWS		APPROVED BY: J. MATTHEWS
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION					SHEET No.: 11/81	REV: 11/81			
No.	DATE	DSN	CHK	APP	REVISION									

**PACKAGE # DP-2 SITework AND UTILITIES**



Xrefs:  
 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 xS317-F1592-CSP100  
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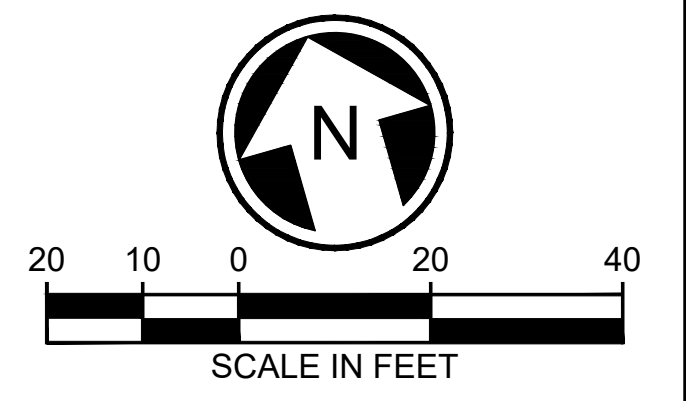
**GENERAL NOTES:**  
 1. FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001  
 2. FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010

**CONSTRUCTION NOTES:**  
 (27) 4" WIDE WHITE PAINT STRIPE  
 (34) TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14  
 (35) 18" WIDE THERMOPLASTIC WHITE STOP LINE  
 (36) CONST SIGN R6-2L (ONE WAY [LEFT]) ON TELES PAR POST PER COP STD PLAN 01.40.01  
 (37) CONST SIGN R6-2R (ONE WAY [RIGHT]) ON TELES PAR POST PER COP STD PLAN 01.40.01  
 (38) CONST STOP SIGN PER COP STD PLAN 01.04.02

MATCHLINE: STA P01 24+62.09 SEE DWG F1592-CMP203

01/05/21 | 10:20 AM | MICHAEL V ZI:19000001-19009991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CMP202.DWG

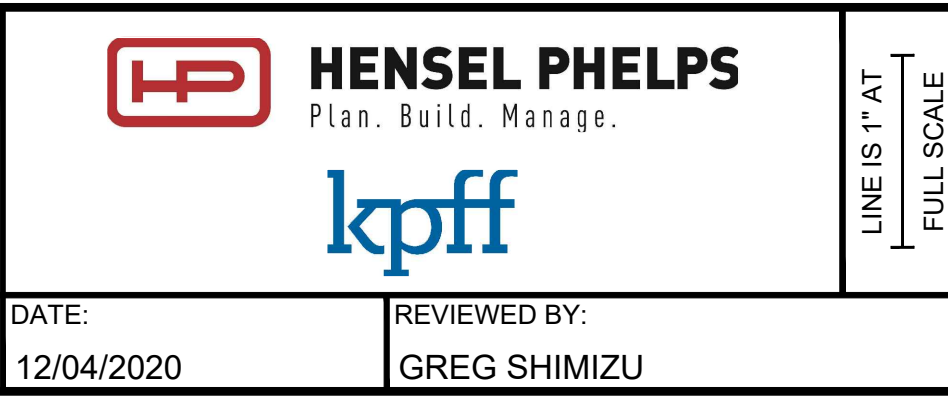
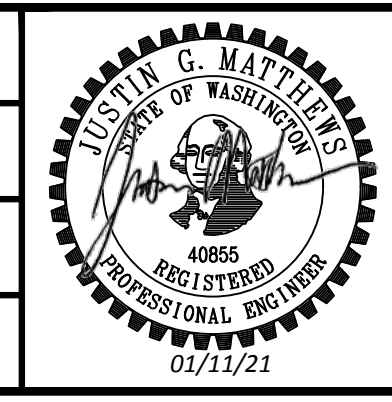
**APPROVED**  
 BY: *Frank Beckey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
T. CURTICE  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2  
 SOUNDTRANSIT  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-CMP202  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL PAVEMENT MARKING AND SIGNAGE PLAN

DRAWING No.: **F1592-CMP202**  
 FACILITY ID: F1592  
 SHEET No.: REV: **12/81**

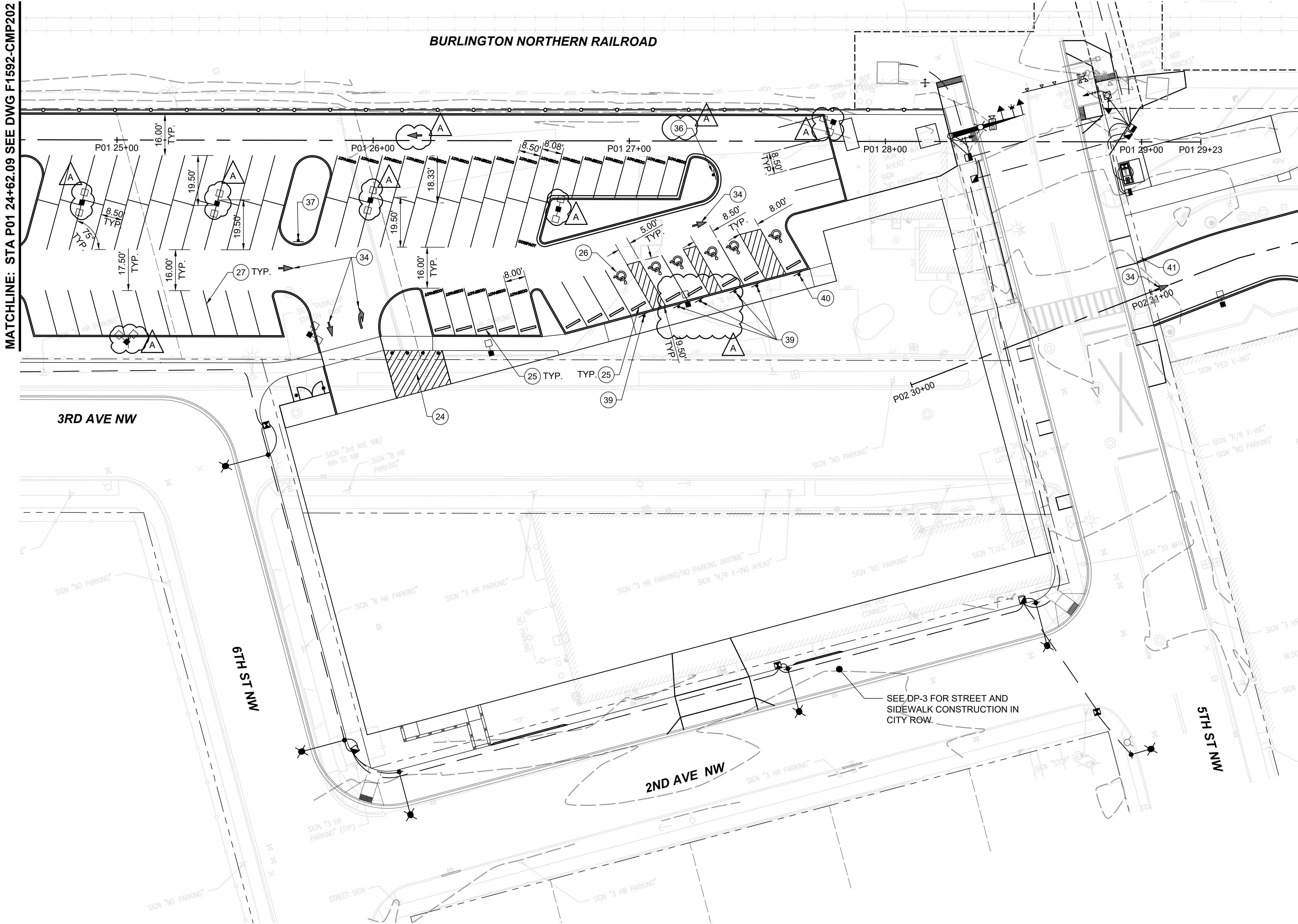
SUBMITTED BY: SARA ROBERTS  
 DATE: 12/04/2020  
 REVIEWED BY: GREG SHIMIZU



Xrefs:  
 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 xS317-F1592-CSP100  
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 xS317-F1592-ELP100

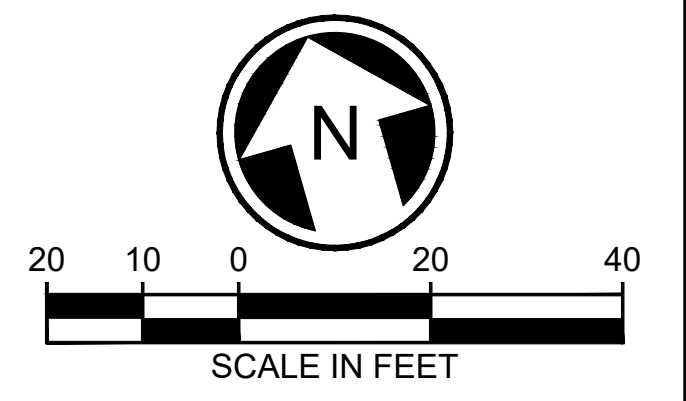
MATCHLINE: STA P01 24+62.09 SEE DWG F1592-CMP202

MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CMP204



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001
  - FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010
- CONSTRUCTION NOTES:**
- 4" WIDE YELLOW PAINT STRIPE
  - CONST PRE-CAST CONCRETE WHEEL STOP, SEE DETAIL 1 ON DRAWING F1592-CPD024
  - DISABLED PERSON SYMBOL MARKING, SEE DETAIL 3 ON DRAWING F1592-CPD024
  - 4" WIDE WHITE PAINT STRIPE
  - TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14
  - CONST SIGN R6-2L (ONE-WAY [LEFT]) ON TELES PAR POST, PER COP STD PLAN 01.40.01
  - CONST SIGN R6-2R (ONE-WAY [RIGHT]) ON TELES PAR POST, PER COP STD PLAN 01.40.01
  - CONST SIGN R7-801 (RESERVED PARKING) ON TELES PAR POST, PER COP STD PLAN 01.40.01
  - CONST SIGN ASSEMBLY R7-801, R7-801A (RESERVED PARKING, VAN ACCESSIBLE) ON TELES PAR POST, PER COP STD PLAN 01.40.01
  - CONST SIGN R6-2R (ONE-WAY [RIGHT]) ON EXISTING SIGNAL POLE

**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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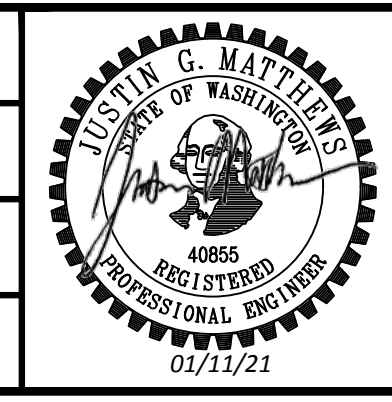


01/05/21 | 10:21 AM | MICHAELY Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CMP203.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
T. CURTICE  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

**PACKAGE # DP-2 SITework AND UTILITIES**

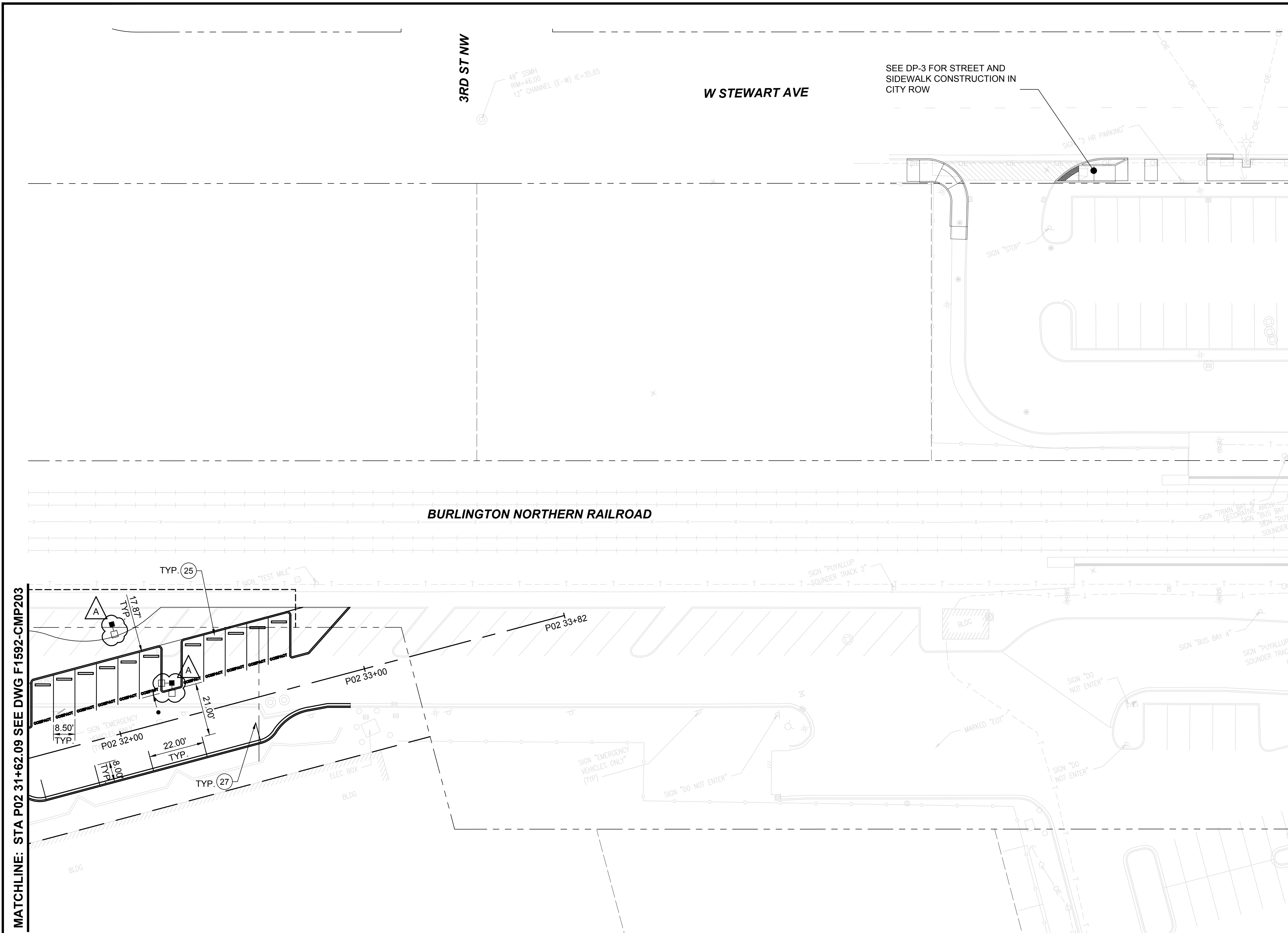
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 FILENAME:  
S317-F1592-CMP203  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 PAVEMENT MARKING AND SIGNAGE PLAN

DRAWING No.:  
**F1592-CMP203**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
13/81



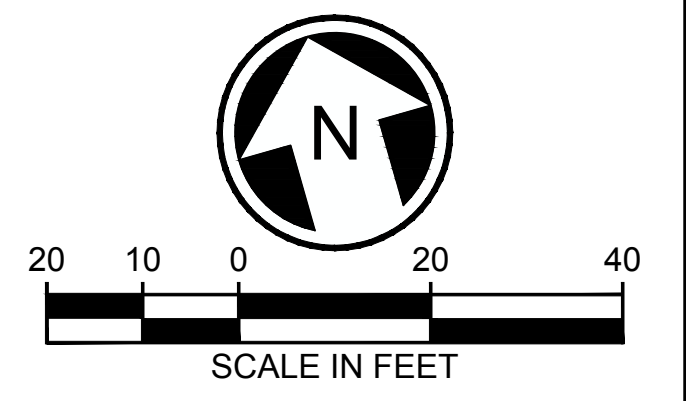
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 xS317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_220  
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 xS317-F1592-CDP100  
 xS317-F1592-CLP100  
 xS317-F1592-TSP100  
 xS317-F1592-UCP100  
 xS317-F1592-ELP100



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001
  - FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010

- CONSTRUCTION NOTES:**
- 25 CONSTRUCT PRECAST CONC WHEEL STOPS SEE DETAIL 1 ON DRAWING F1592-CPD024
  - 27 4" WIDE WHITE PAINT STRIPE

**APPROVED**  
 BY *Frank Bailey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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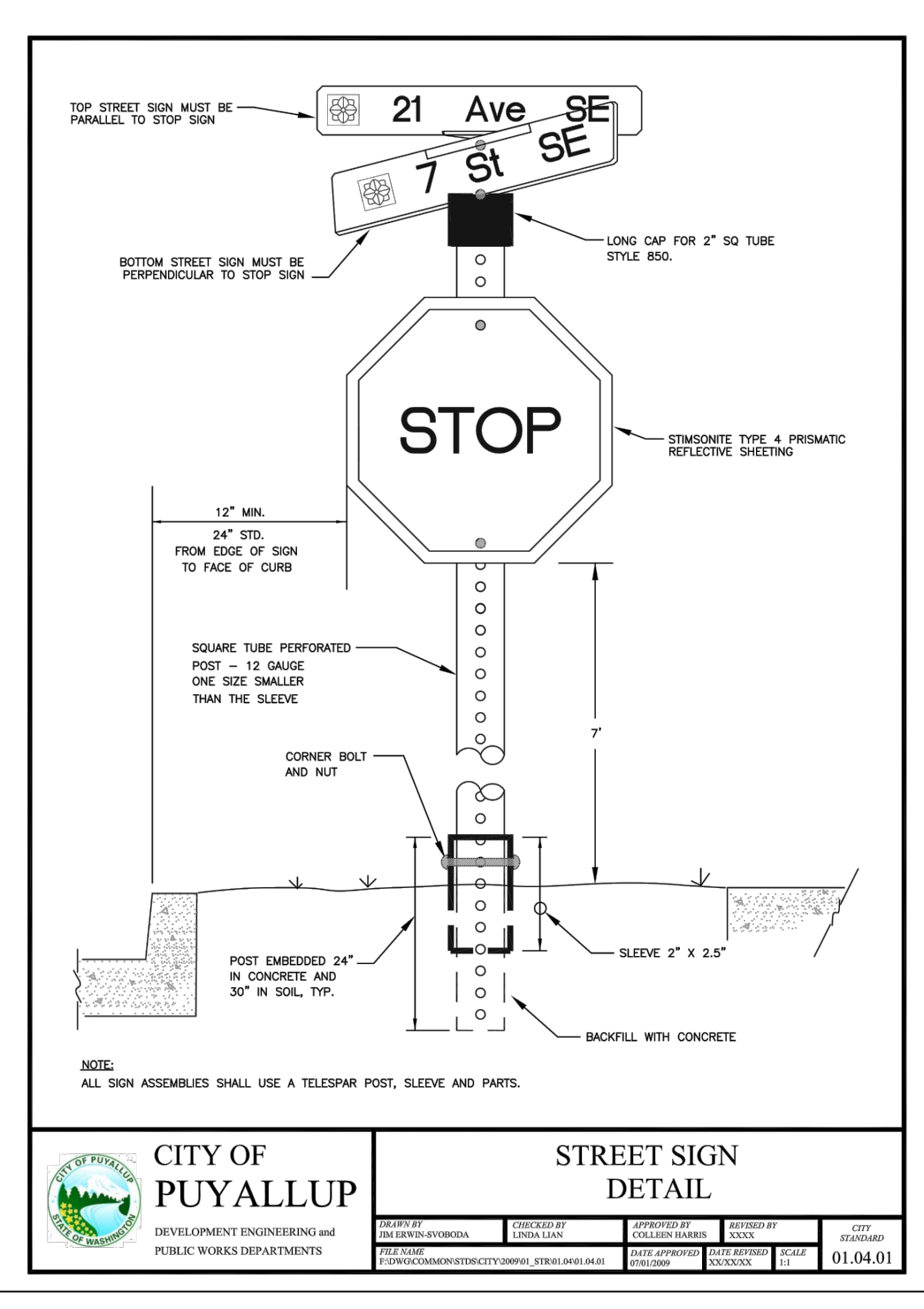
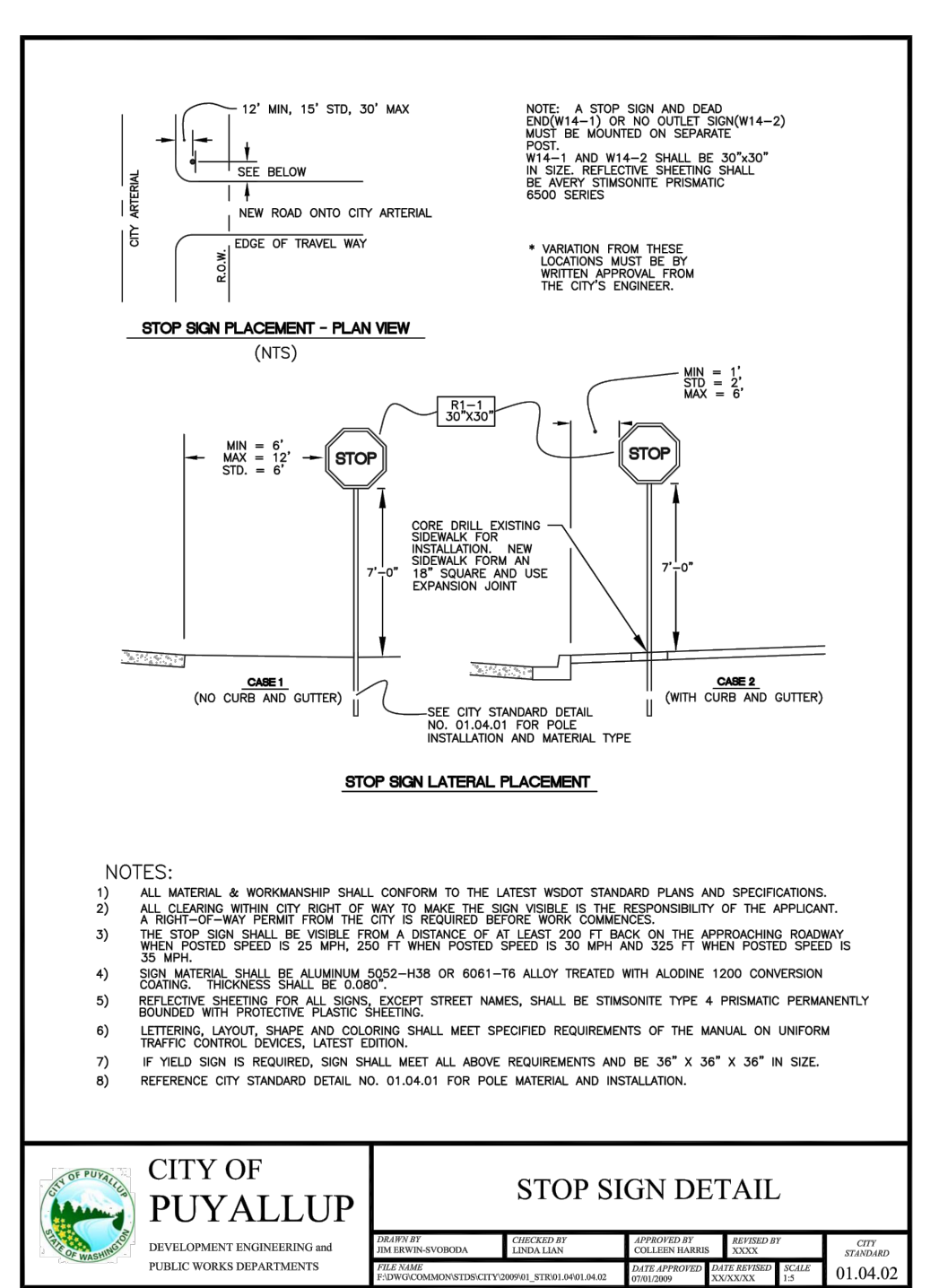
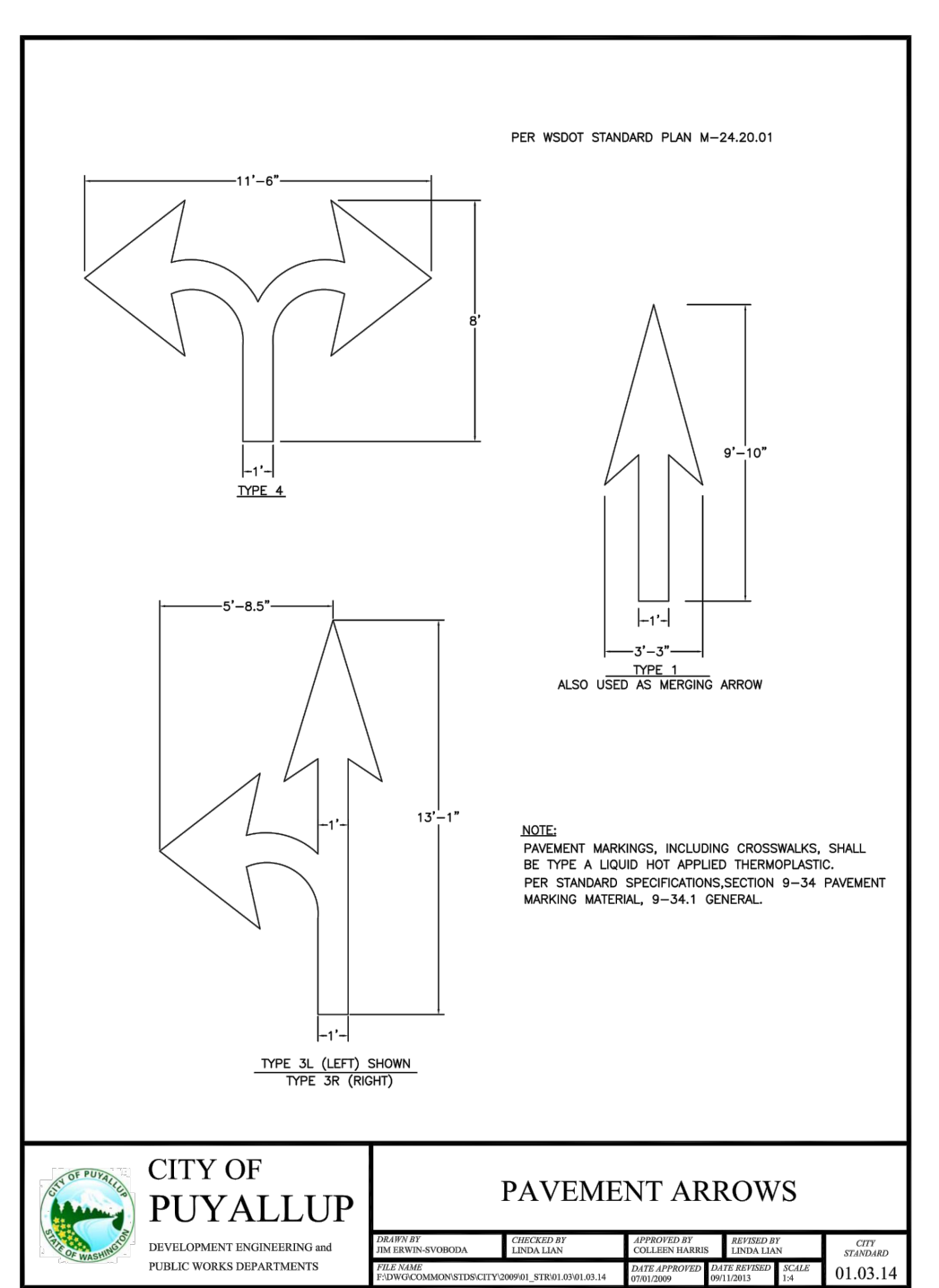
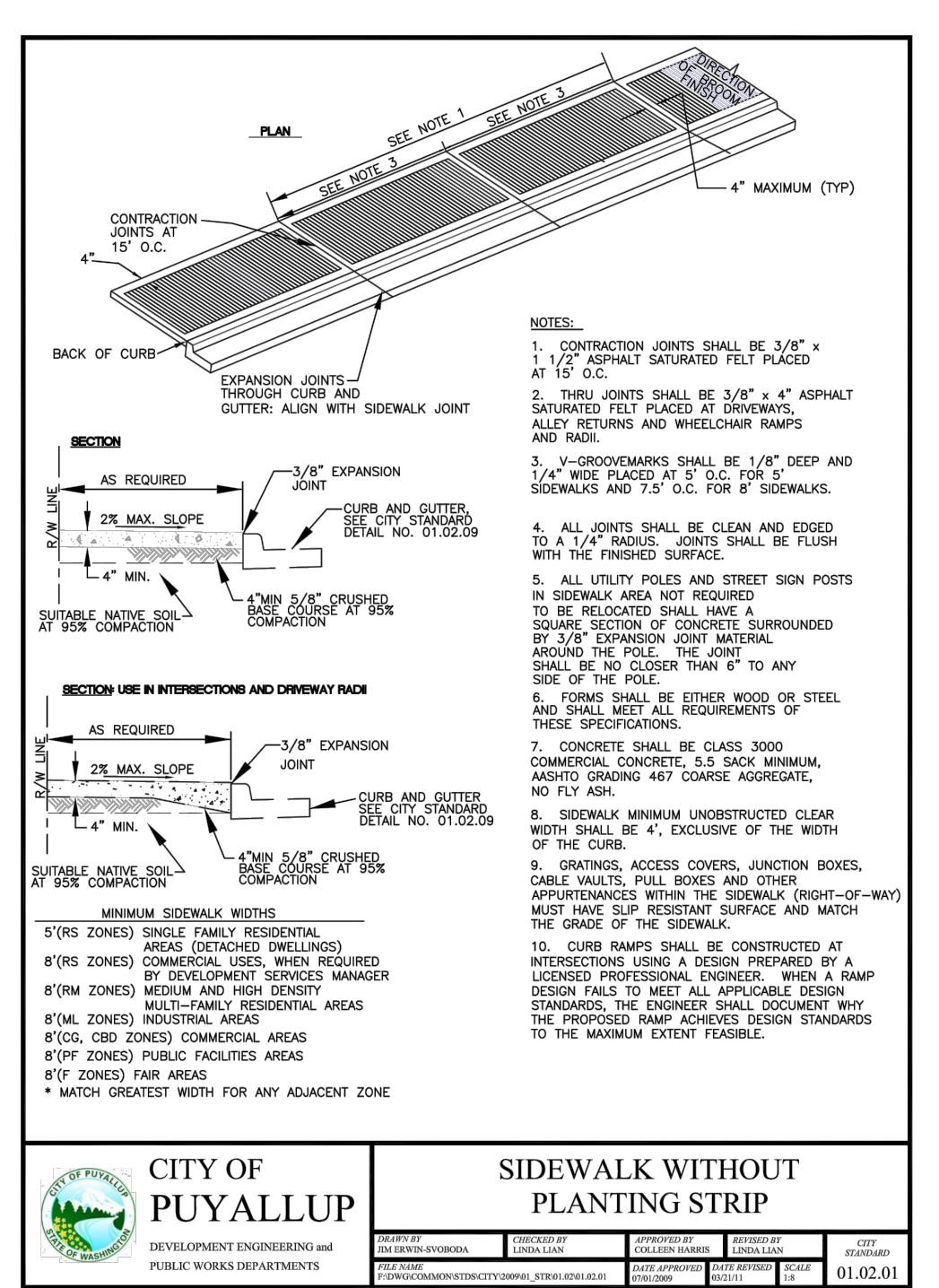
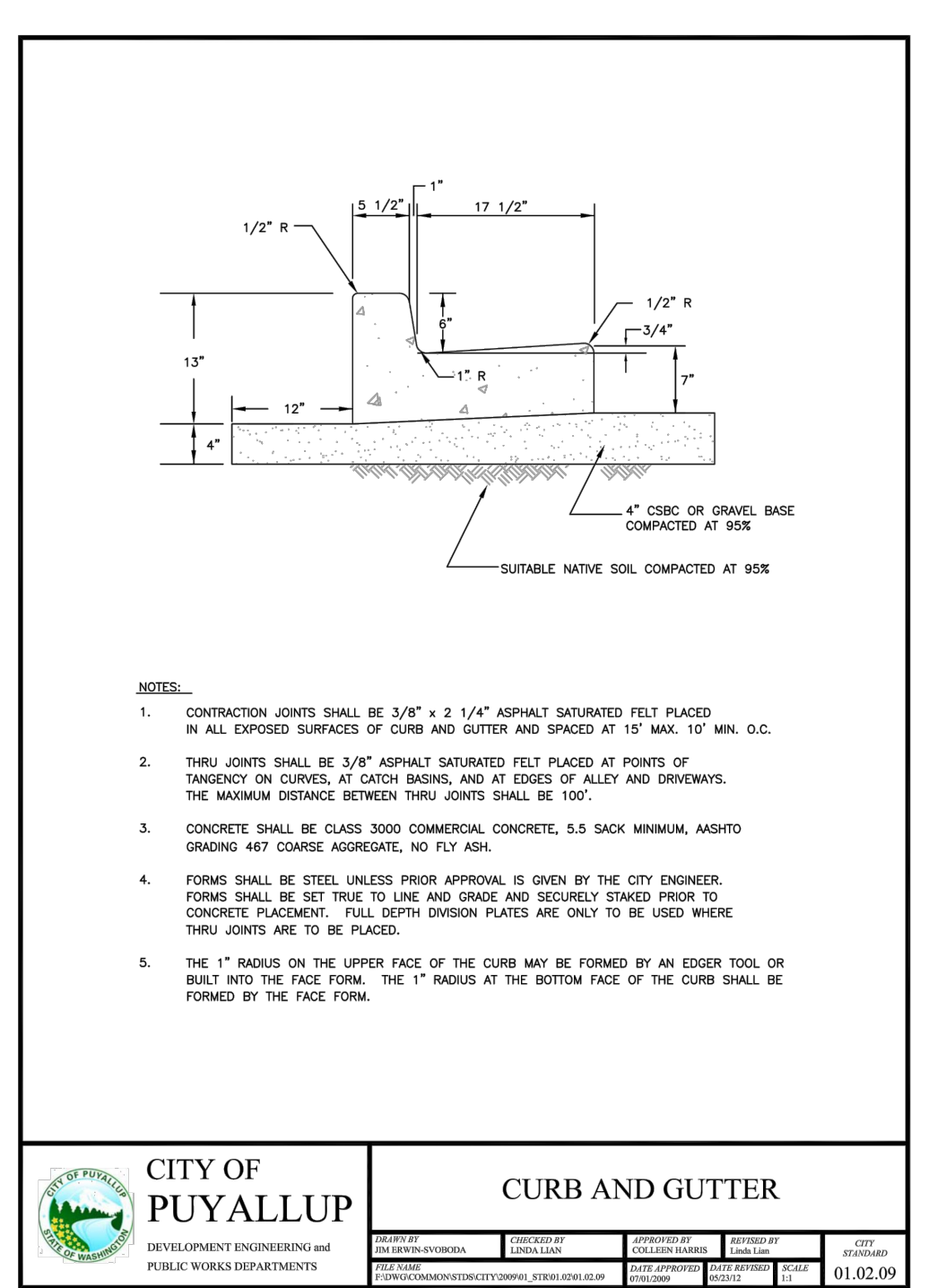
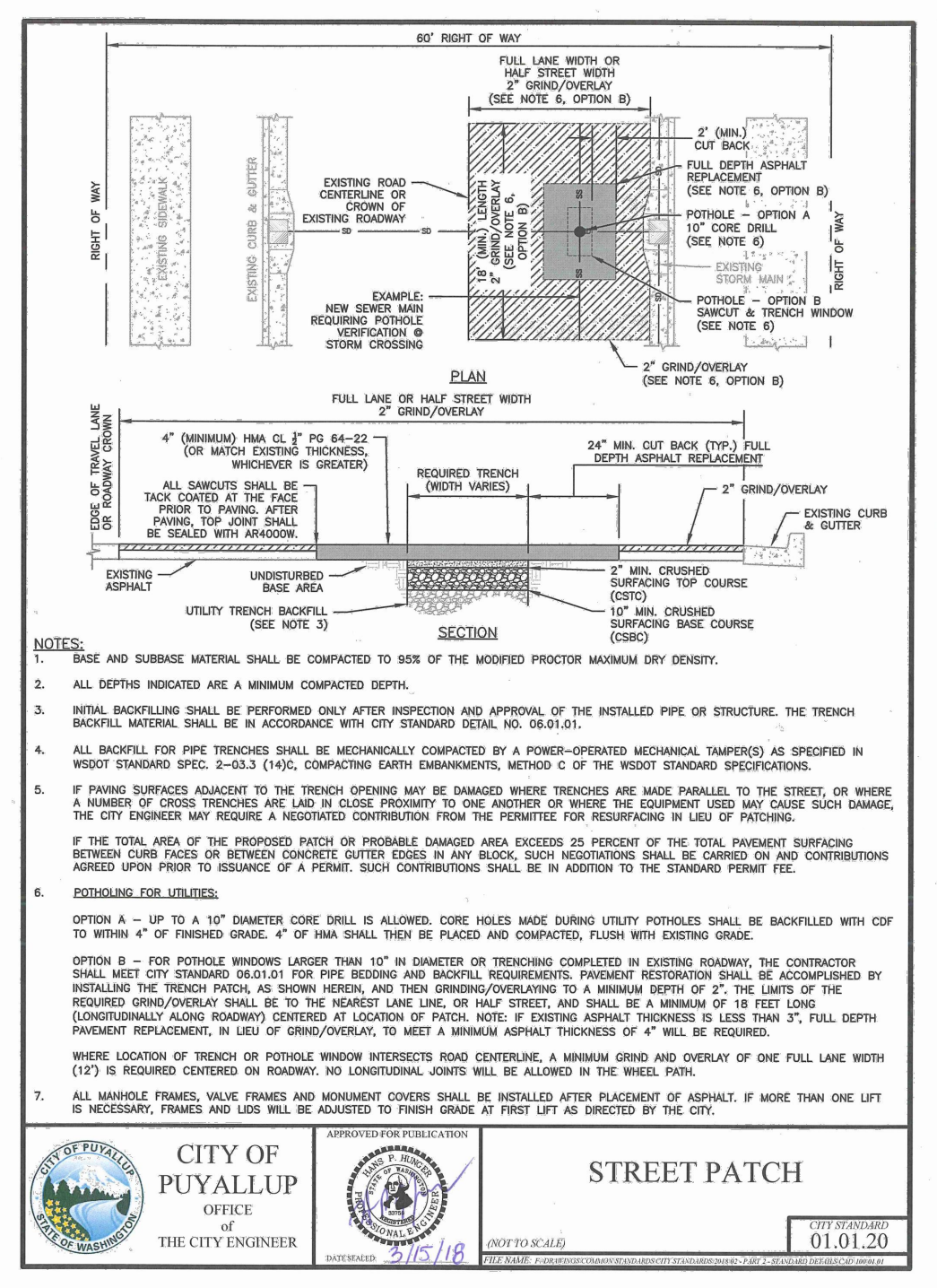


MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CMP203

12/29/20 | 2:59 PM | MICHAEL V Z:\19000001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CMP204.DWG

<b>CIVIL PERMIT RESUBMITTAL</b>					DESIGNED BY: S. GUJULUVA RAJAN					PACKAGE # DP-2 SITESWORK AND UTILITIES	<b>PUYALLUP STATION PARKING</b> <b>CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS CIVIL PAVEMENT MARKING AND SIGNAGE PLAN	DRAWING No.: <b>F1592-CMP204</b>	
					DRAWN BY: T. CURTICE							FACILITY ID: F1592	
					CHECKED BY: J. MATTHEWS							SHEET No.: 14/81	
					APPROVED BY: J. MATTHEWS								
No.	DATE	DSN	CHK	APP	REVISION	SUBMITTED BY: SARA ROBERTS	DATE: 12/04/2020	REVIEWED BY: GREG SHIMIZU	DATE: 12/04/2020	SCALE: 1"=20'	FILENAME: S317-F1592-CMP204	CONTRACT No.: RTA/CN 0612-18	SUBMITTAL DATE: 12/04/2020
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504								
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION								





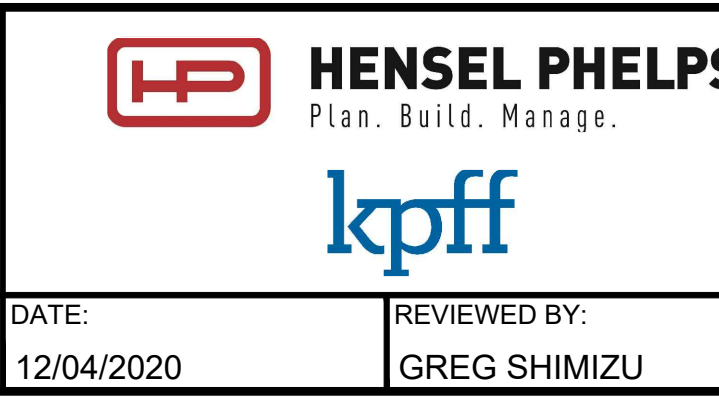
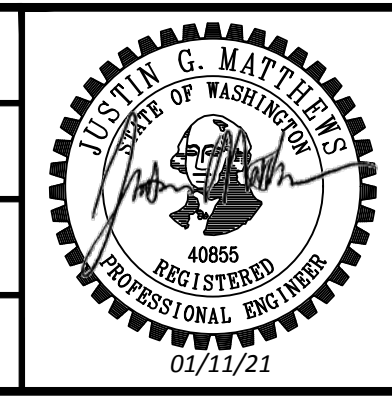
**APPROVED**  
 BY: *Jane Bailey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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NEW DRAWING

01/11/21 | 8:06 AM | SARANYAGR 2:19000001-19009991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CRD021.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
M. VU  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020



DATE:  
12/04/2020

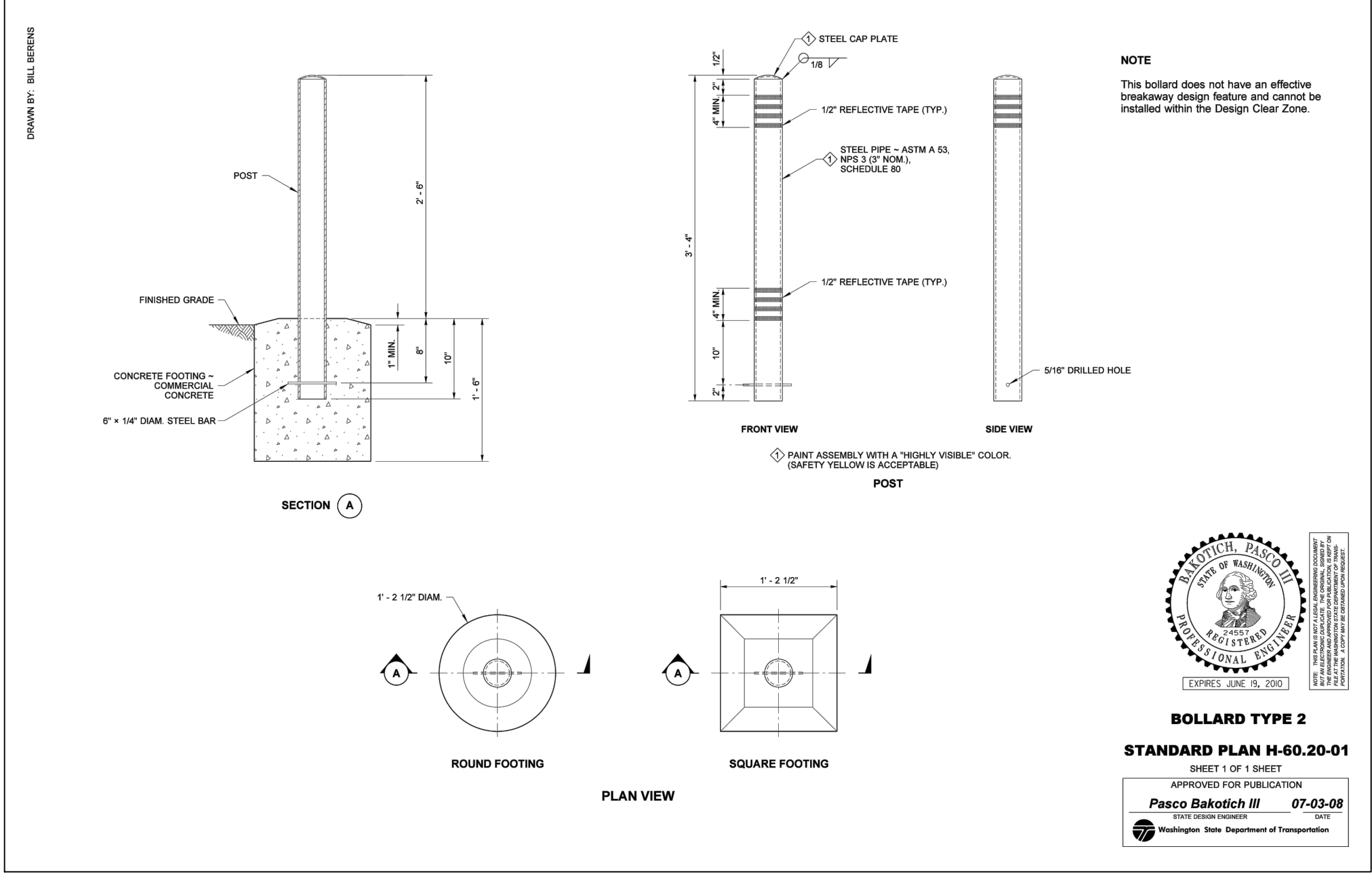
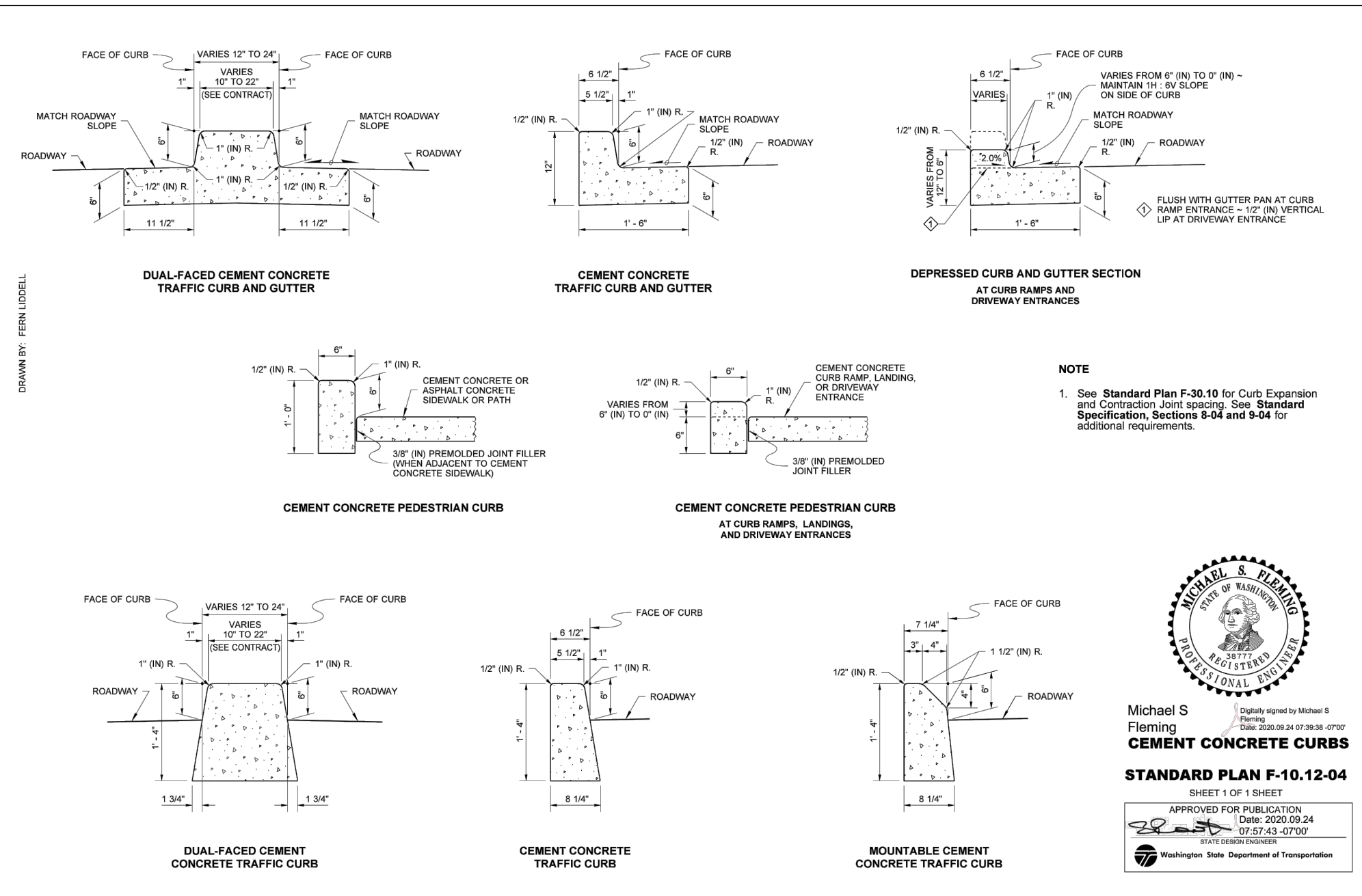
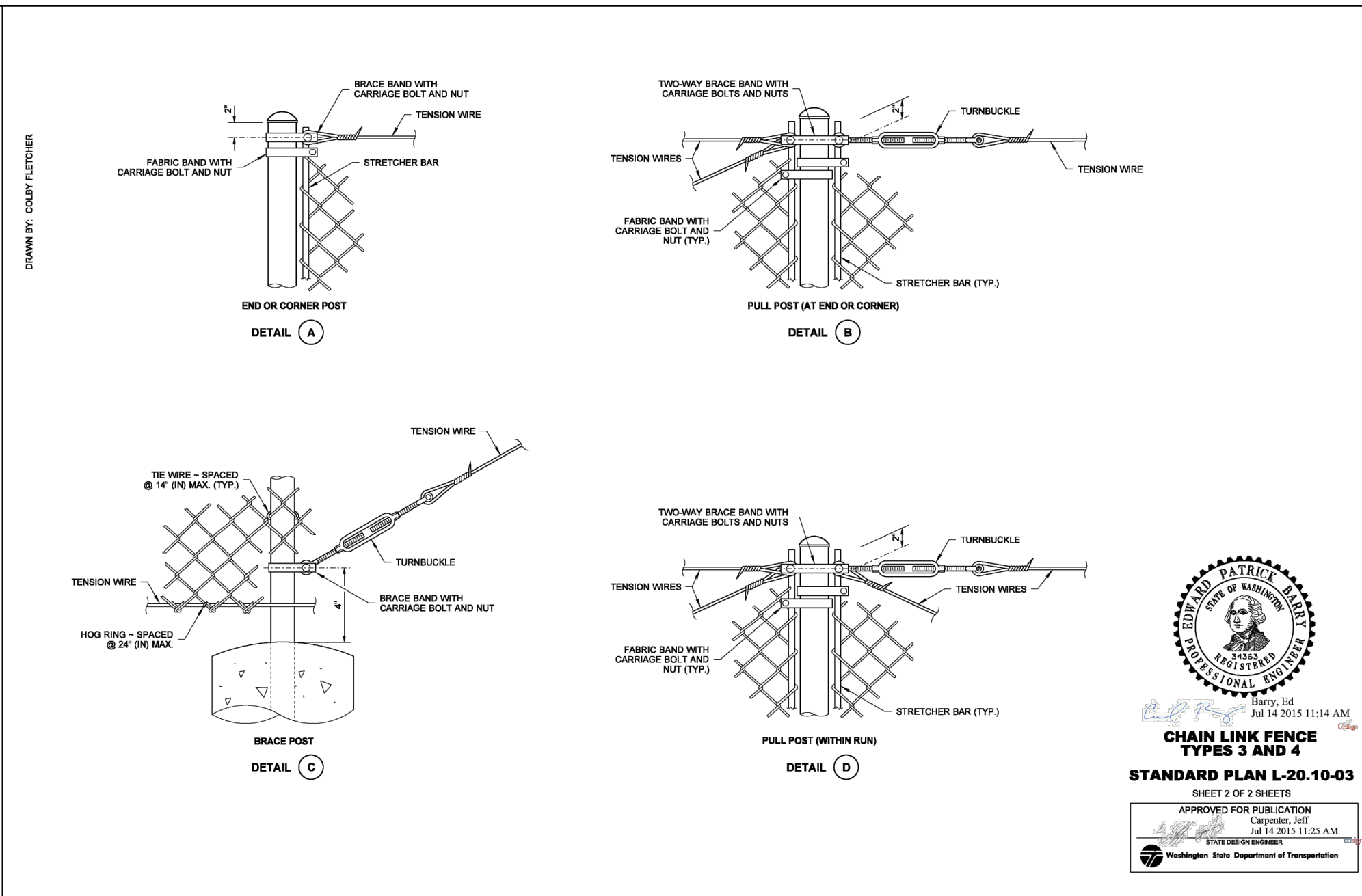
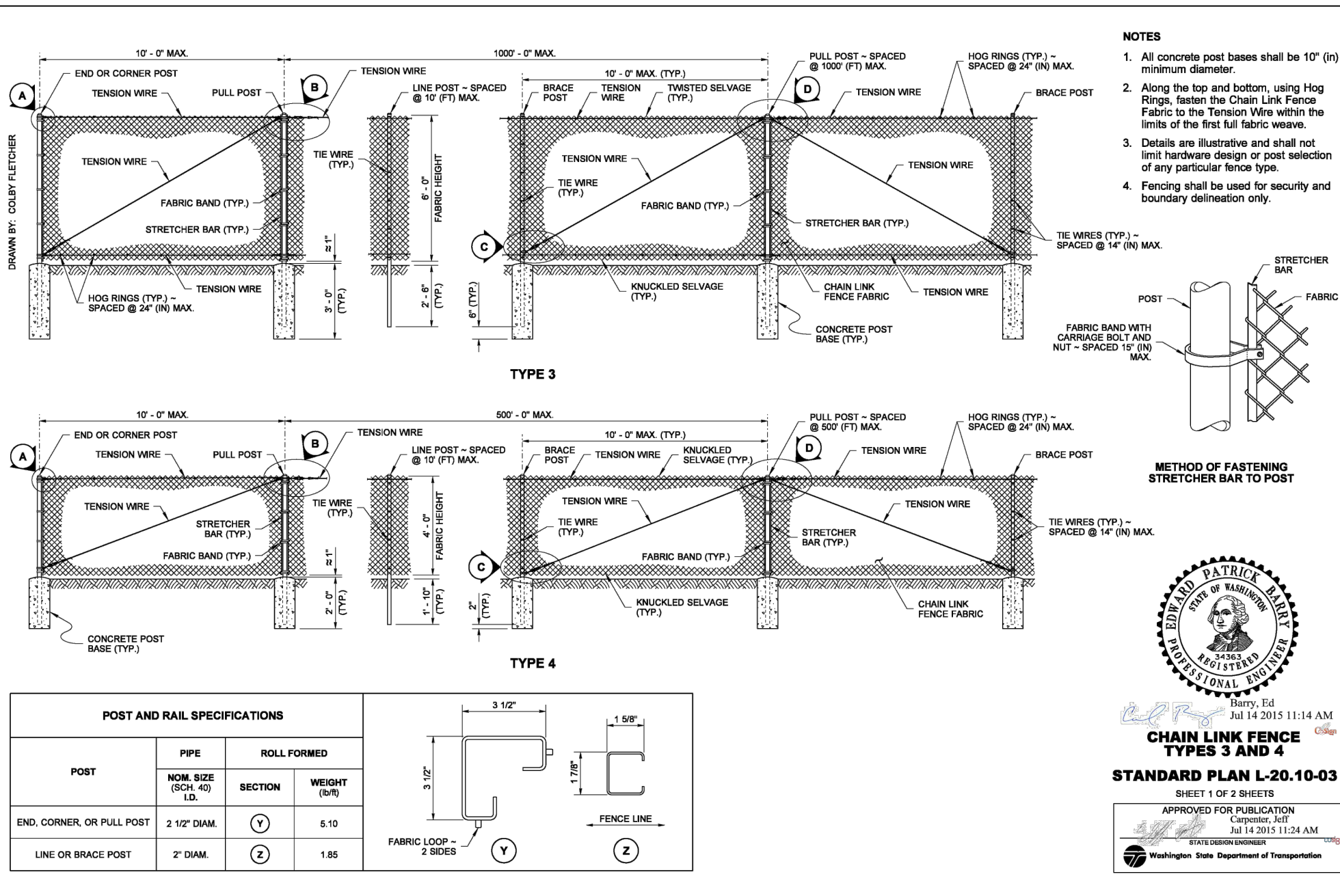
REVIEWED BY:  
GREG SHIMIZU  
 DATE:  
12/04/2020

PACKAGE # DP-2  
 SITEWORK AND UTILITIES  
 SCALE: NTS  
 FILENAME: S317-F1592-CRD021  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020  
 PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL SITE DETAILS

DRAWING No.: F1592-CRD021  
 FACILITY ID: F1592  
 SHEET No.: 15/81



01/11/21 | 8:07 AM | SARANYAGR  
Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CRD022.DWG



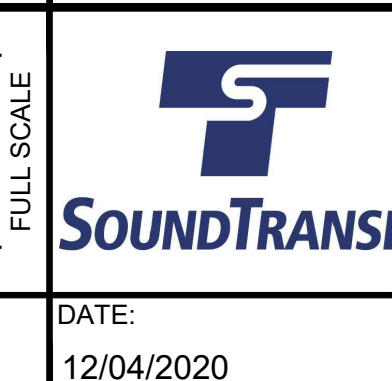
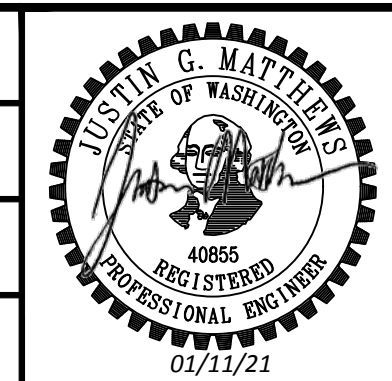
**APPROVED**  
By *Paul Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.**  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

NEW DRAWING

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2  
SCALE: NTS  
FILENAME: S317-F1592-CRD022  
CONTRACT No.: RTA/CN 0612-18  
SUBMITTAL DATE: 12/04/2020

**SITWORK AND UTILITIES**  
**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
**PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS**  
CIVIL SITE DETAILS

DRAWING No.: F1592-CRD022  
FACILITY ID: F1592  
SHEET No.: 16/81

SUBMITTED BY: SARA ROBERTS

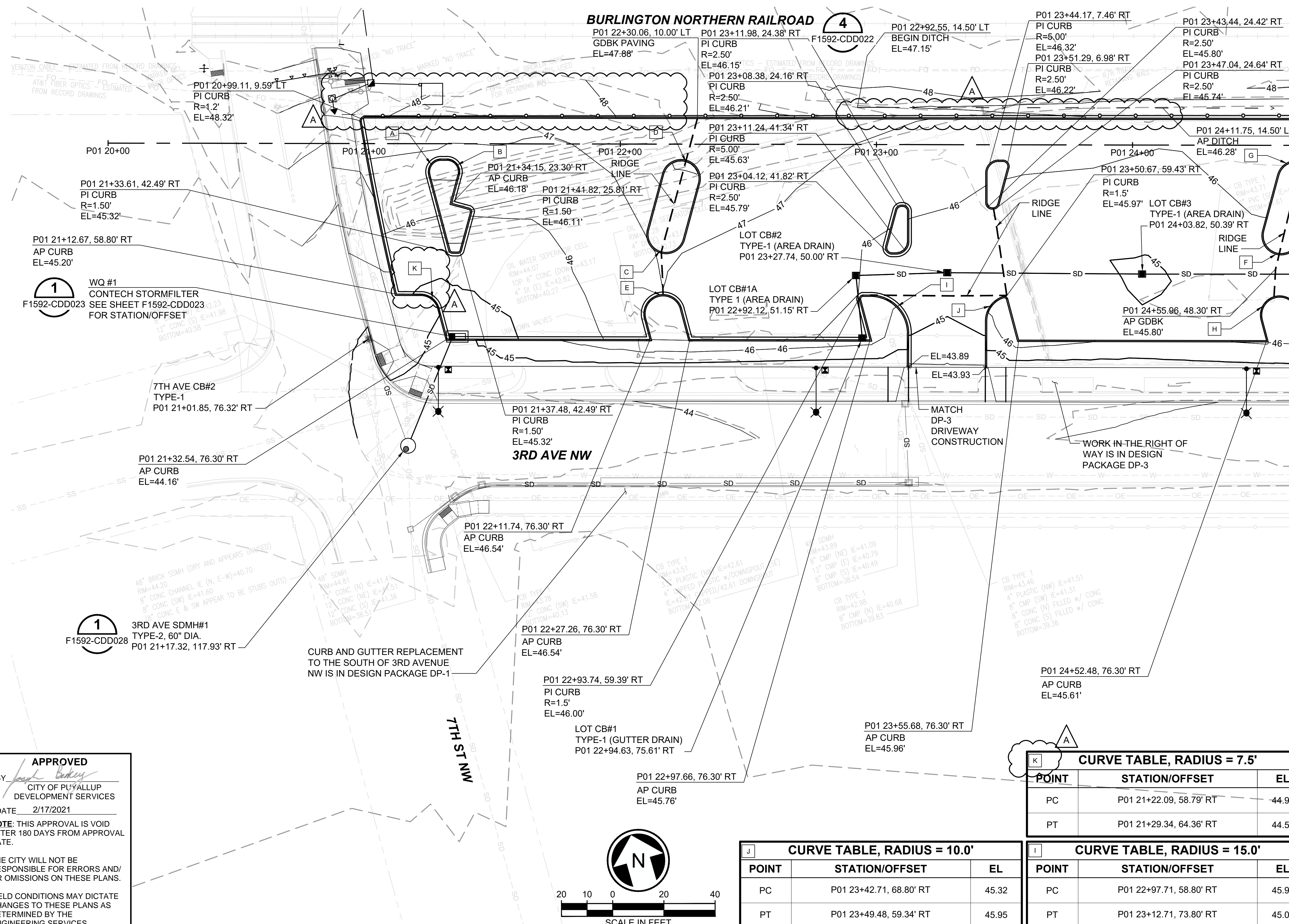
DATE: 12/04/2020

REVIEWED BY: GREG SHIMIZU

DATE: 12/04/2020



Xrefs:  
 x317-F1592-RPP100  
 x317-F1592-VRX100  
 GB-SEAL-JGM40855  
 xGB-TB-Views\_230  
 x317-F1592-CSP100  
 x317-F1592-CDP100  
 x317-F1592-LWP100  
 x317-F1592-LPP100  
 xGB-TB2x34  
 x317-F1592-CP100  
 x317-F1592-TSP100



MATCHLINE: STA 24+62.09 SEE DWG F1592-CGP203

- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
  - FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
  - FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  - FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  - ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.
  - SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

**A CURVE TABLE, RADIUS = 5.0'**

POINT	STATION/OFFSET	EL
PC	P01 21+25.20, 12.39' RT	46.56
PT	P01 21+30.03, 6.00' RT	46.78

**B CURVE TABLE, RADIUS = 5.0'**

POINT	STATION/OFFSET	EL
PC	P01 21+32.27, 6.00' RT	46.78
PT	P01 21+37.10, 12.29' RT	46.57

**C CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 22+10.65, 33.36' RT	47.04
PT	P01 22+25.14, 37.24' RT	47.08

**D CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 22+16.49, 11.56' RT	47.37
PT	P01 22+30.98, 15.44' RT	47.42

**E CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 22+09.58, 68.24' RT	46.61
PT	P01 22+24.07, 64.36' RT	46.80

**F CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 24+50.84, 33.36' RT	45.95
PT	P01 24+65.33, 37.24' RT	45.79

**G CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 24+56.68, 11.56' RT	46.17
PT	P01 24+71.17, 15.44' RT	46.01

**H CURVE RETURN TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 24+50.32, 68.24' RT	45.54
PT	P01 24+64.81, 64.36' RT	45.59

**K CURVE TABLE, RADIUS = 7.5'**

POINT	STATION/OFFSET	EL
PC	P01 21+22.09, 58.79' RT	44.90
PT	P01 21+29.34, 64.36' RT	44.59

**J CURVE TABLE, RADIUS = 10.0'**

POINT	STATION/OFFSET	EL
PC	P01 23+42.71, 68.80' RT	45.32
PT	P01 23+49.48, 59.34' RT	45.95

**I CURVE TABLE, RADIUS = 15.0'**

POINT	STATION/OFFSET	EL
PC	P01 22+97.71, 58.80' RT	45.92
PT	P01 23+12.71, 73.80' RT	45.06

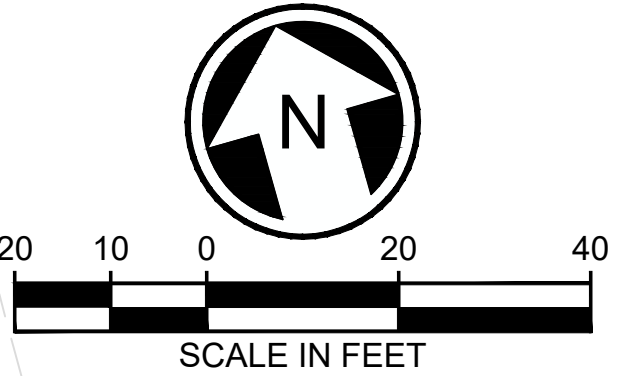
**1** WQ #1  
 CONTECH STORMFILTER  
 SEE SHEET F1592-CDD023  
 FOR STATION/OFFSET

**1** 3RD AVE SDMH#1  
 TYPE-2, 60" DIA.  
 P01 21+17.32, 117.93' RT

CURB AND GUTTER REPLACEMENT  
 TO THE SOUTH OF 3RD AVENUE  
 NW IS IN DESIGN PACKAGE DP-1

WORK IN THE RIGHT OF  
 WAY IS IN DESIGN  
 PACKAGE DP-3

**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
 DATE.  
 THE CITY WILL NOT BE  
 RESPONSIBLE FOR ERRORS AND/  
 OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE  
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 DETERMINED BY THE  
 ENGINEERING SERVICES  
 MANAGER.

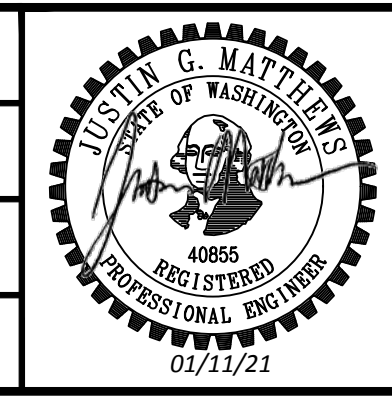


01/05/21 | 10:22 AM | MICHAEL V. ZIEMER | 19000991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CGP202.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	ERM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
 S. GUJULUVA RAJAN  
 DRAWN BY:  
 J. CURTIS  
 CHECKED BY:  
 E. MENDEL  
 APPROVED BY:  
 J. MATTHEWS



DATE: 12/04/2020  
 REVIEWED BY: GREG SHIMIZU

PACKAGE # DP-2  
 SITEMWORK AND UTILITIES  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-CGP202  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 GRADING AND DRAINAGE PLAN

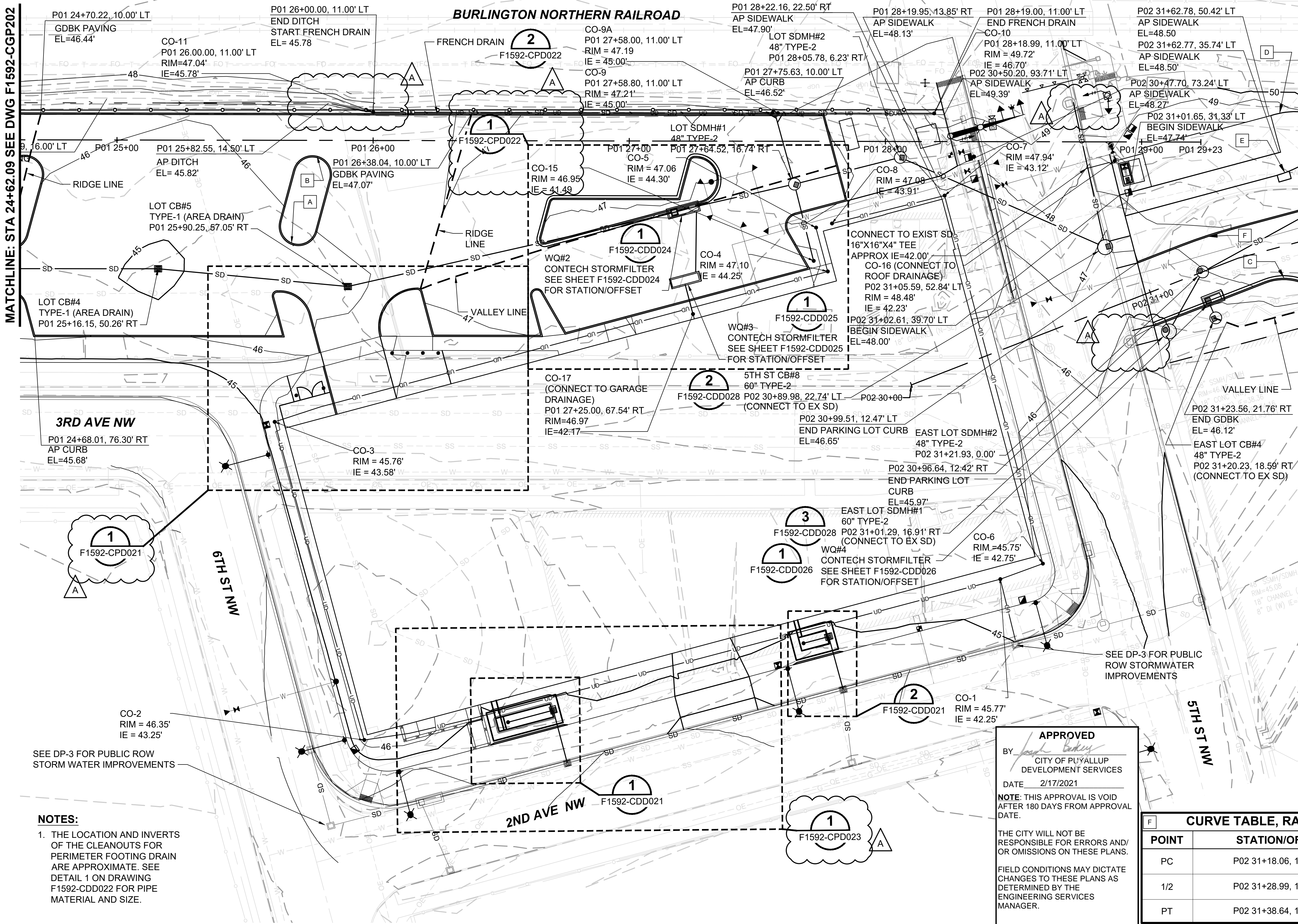
DRAWING No.: **F1592-CGP202**  
 FACILITY ID: F1592  
 SHEET No.: 17/81



Xrefs:  
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 x3317-F1592-RPP100  
 x3317-F1592-VRX100  
 x3317-F1592-CPD100  
 x3317-F1592-LWP100  
 x3317-F1592-UWP100  
 x3317-F1592-CPD100  
 x3317-F1592-CPD100  
 x3317-F1592-CPD100  
 x3317-F1592-CPD100

MATCHLINE: STA 24+62.09 SEE DWG F1592-CGP202

MATCHLINE: STA 31+62.09 SEE DWG F1592-CGP204



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
  - FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
  - FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  - FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  - ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.
  - SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

**A CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 25+63.62, 31.66' RT	45.88
PT	P01 25+78.11, 35.54' RT	46.01

**B CURVE TABLE, RADIUS = 7.50'**

POINT	STATION/OFFSET	EL
PC	P01 25+69.01, 11.56' RT	46.14
PT	P01 25+83.49, 15.44' RT	46.28

**C CURVE TABLE, RADIUS = 20.0'**

POINT	STATION/OFFSET	EL
PC	P02 31+44.68, 11.62' RT	47.12
1/2	P02 31+52.14, 12.21' RT	47.23
PT	P02 31+58.87, 15.50' RT	47.33

**D CURVE TABLE, RADIUS = 30.0'**

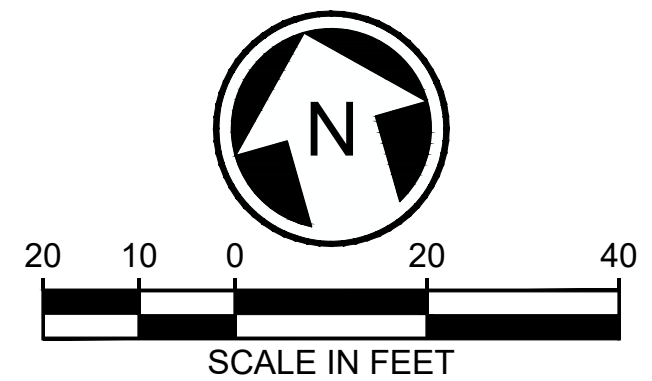
POINT	STATION/OFFSET	EL
PC	P02 31+65.67, 50.42' LT	48.49
1/2	P02 31+74.65, 49.04' LT	48.88
PT	P02 31+82.81, 45.04' LT	49.09

**E CURVE TABLE, RADIUS = 40.0'**

POINT	STATION/OFFSET	EL
PC	P02 31+59.54, 27.35' LT	48.37
1/2	P02 31+63.09, 27.51' LT	48.40
PT	P02 31+66.60, 27.98' LT	48.43

**F CURVE TABLE, RADIUS = 200.0'**

POINT	STATION/OFFSET	EL
PC	P02 31+18.06, 12.42' LT	47.06
1/2	P02 31+28.99, 12.12' LT	47.33
PT	P02 31+38.64, 11.50' LT	47.53



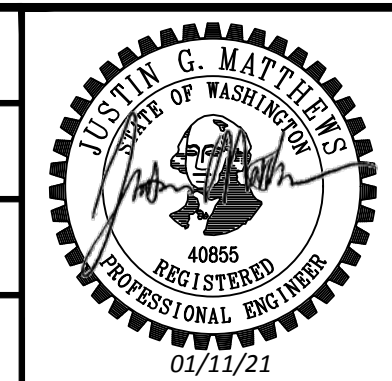
- NOTES:**
- THE LOCATION AND INVERTS OF THE CLEANOUTS FOR PERIMETER FOOTING DRAIN ARE APPROXIMATE. SEE DETAIL 1 ON DRAWING F1592-CDD022 FOR PIPE MATERIAL AND SIZE.

**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
E. MENDEL  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

PACKAGE # DP-2  
 SITESWORK AND UTILITIES  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-CGP203  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

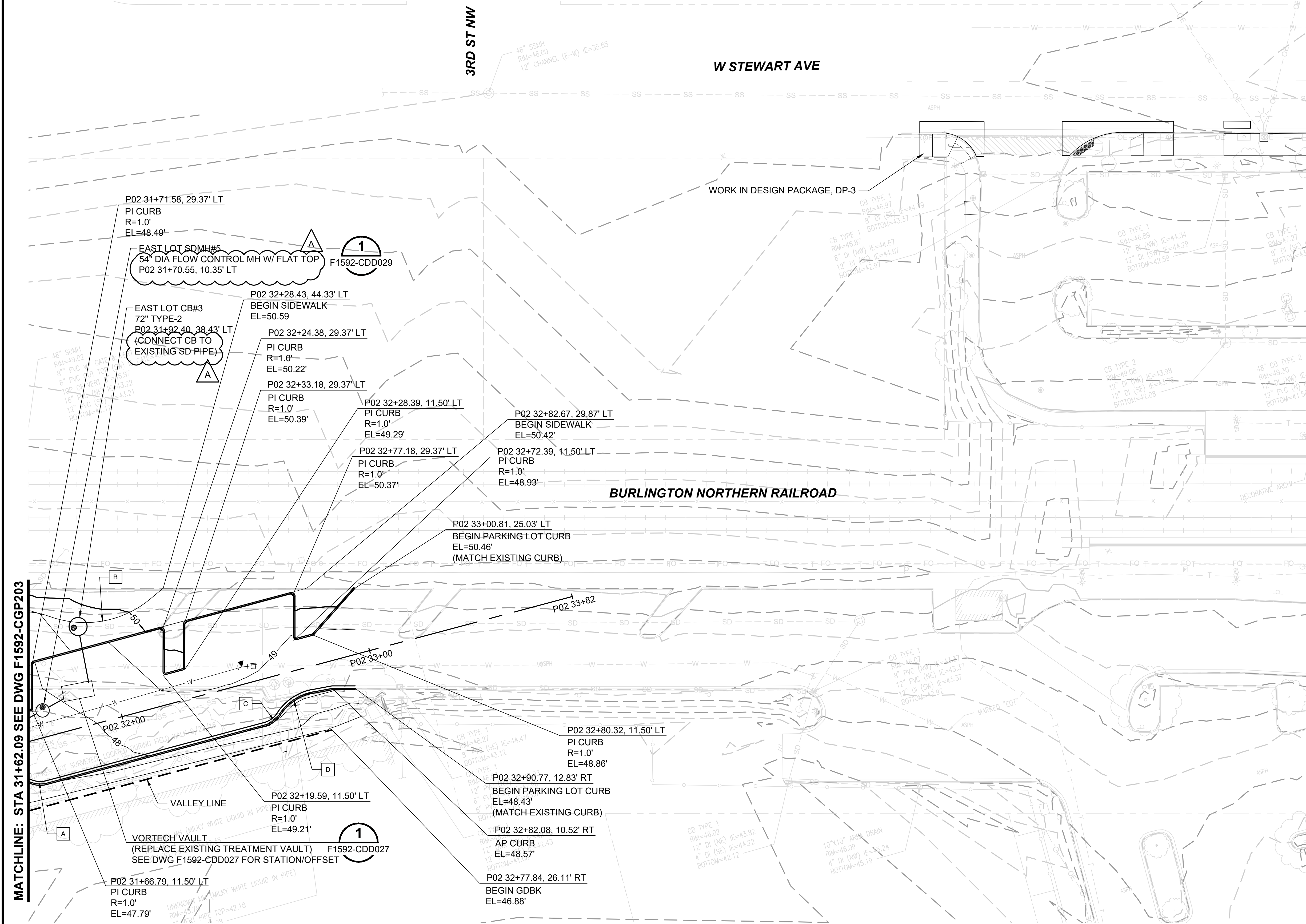
**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP203  
 FACILITY ID: F1592  
 SHEET No.: 18/81

01/05/21 | 10:23 AM | MICHAEL V. ZIEMER | 19000991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CGP203.DWG



Xrefs:  
 xS317-F1592-CGP100  
 xS317-F1592-VRX100  
 xGB-SEAL-JGM40855  
 xGB-TB-Views\_220  
 xS317-F1592-CSP100  
 xS317-F1592-CDP100  
 xS317-F1592-UWP100  
 xS317-F1592-UPP100  
 xGB-TB22x34  
 xS317-F1592-CPP100  
 xS317-F1592-CP100  
 xS317-F1592-TSP100



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
  - FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
  - FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  - FOR FINISHED GRADING OF THE PLANTING AREAS SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  - ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.
  - SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

**A CURVE TABLE, RADIUS = 10.0'**

POINT	STATION/OFFSET	EL
PC	P02 31+58.87, 15.50' LT	47.33
PT	P02 31+64.87, 17.50' RT	47.42

**B CURVE TABLE, RADIUS = 40.0'**

POINT	STATION/OFFSET	EL
PC	P02 31+82.81, 45.04' LT	49.09
1/2	P02 32+02.19, 38.02' LT	49.62
PT	P02 32+22.48, 41.58' LT	50.35

**C CURVE TABLE, RADIUS = 10.0'**

POINT	STATION/OFFSET	EL
PC	P02 32+52.87, 17.50' RT	48.54
PT	P02 32+59.53, 14.95' RT	48.59

**D CURVE TABLE, RADIUS = 20.0'**

POINT	STATION/OFFSET	EL
PC	P02 32+59.53, 14.95' RT	48.59
1/2	P02 32+66.46, 10.91' RT	48.63
PT	P02 32+74.42, 9.92' RT	48.65

**APPROVED**

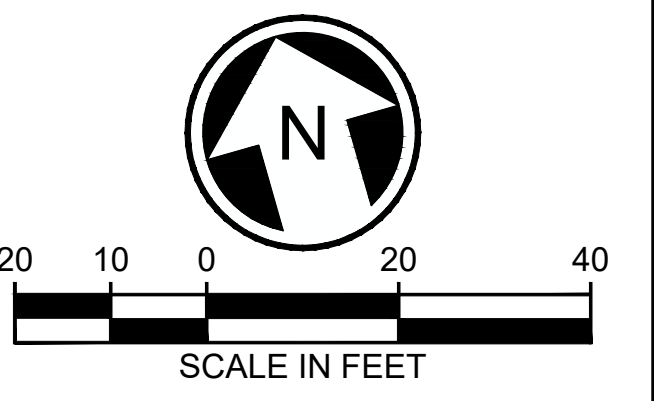
BY *Joseph B. Baker*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES

DATE 2/17/2021

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

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

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



MATCHLINE: STA 31+62.09 SEE DWG F1592-CGP203

01/05/21 | 10:24 AM | MICHAEL V. ZIEMER | 19000991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CGP204.DWG

**CIVIL PERMIT RESUBMITTAL**

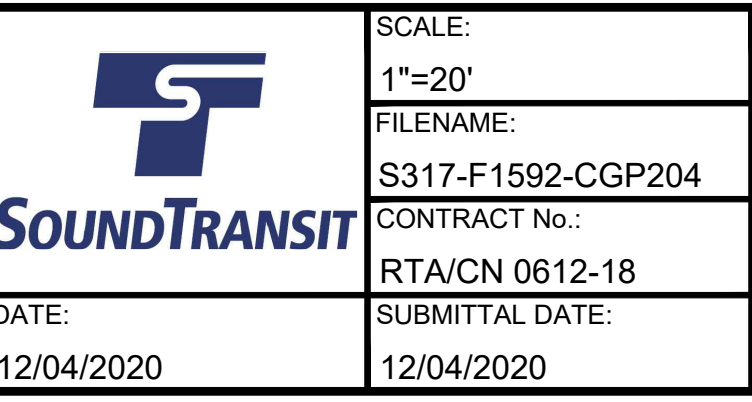
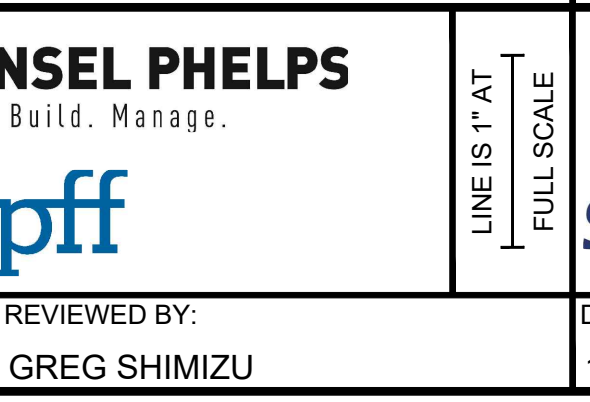
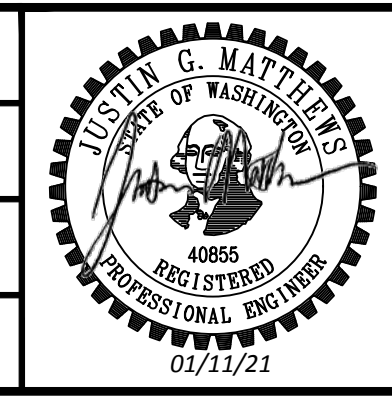
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	ERM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN

DRAWN BY:  
J. CURTIS

CHECKED BY:  
E. MENDEL

APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2 SITework AND UTILITIES

SCALE: 1"=20'

FILENAME: S317-F1592-CGP204

CONTRACT No.: RTA/CN 0612-18

SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**

PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL GRADING AND DRAINAGE PLAN

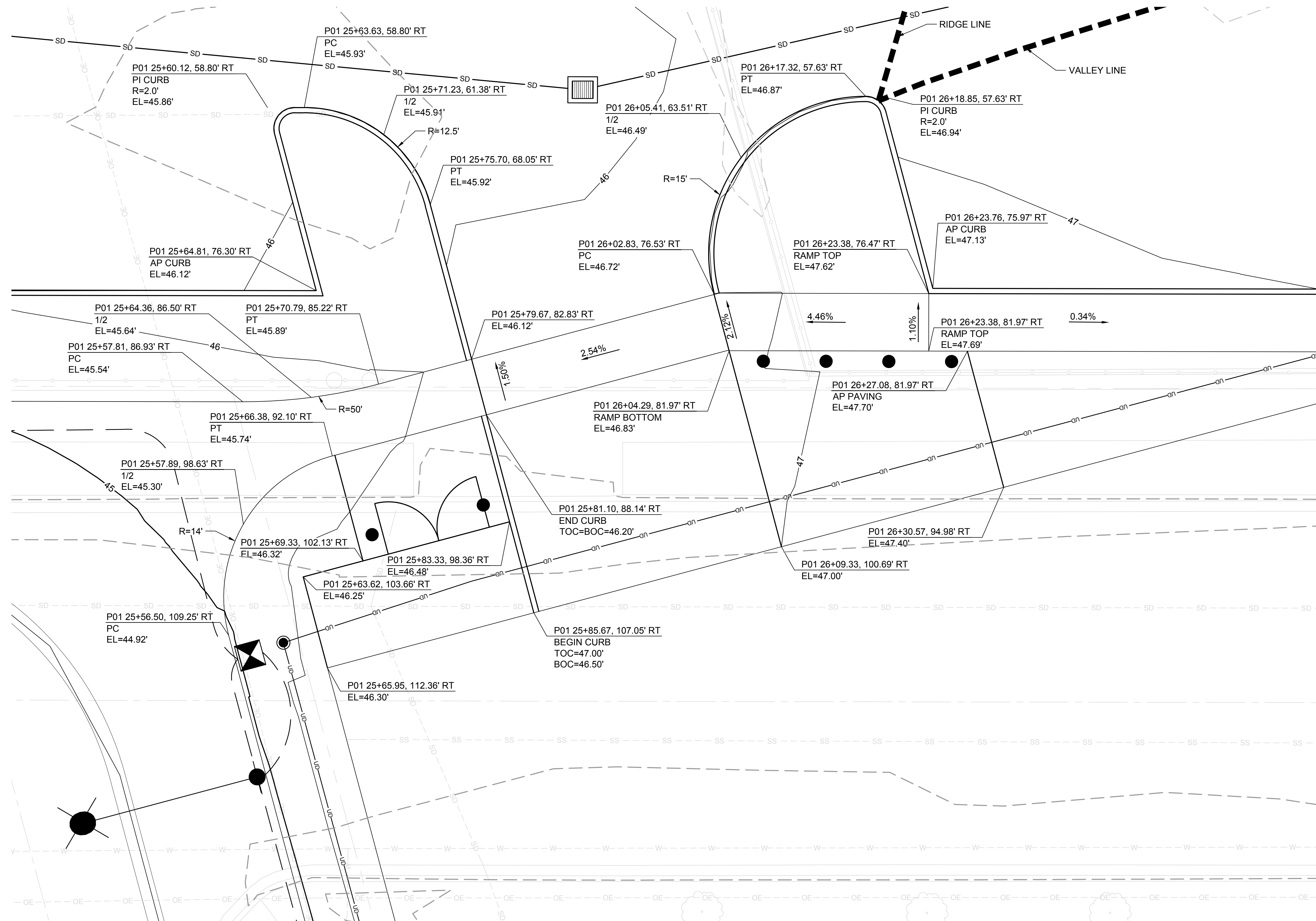
DRAWING No.: F1592-CGP204

FACILITY ID: F1592

SHEET No.: 19/81

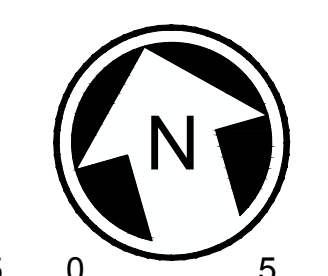
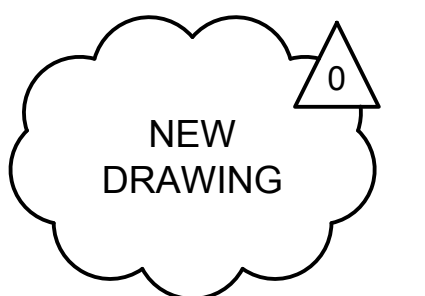


Xrefs:  
 xS317-F1592-CGP100  
 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 GB-SEA--JCM40855  
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 xS317-F1592-CDP100  
 xS317-F1592-LWP100  
 xS317-F1592-LPP100  
 xGB-TB22x34  
 xS317-F1592-SGP010  
 xS317-F1592-TSP100  
 xS317-F1592-CLP100



- GENERAL NOTES:**
1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN10.
  3. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  4. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  5. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

**APPROVED**  
 BY *Jessie Baker*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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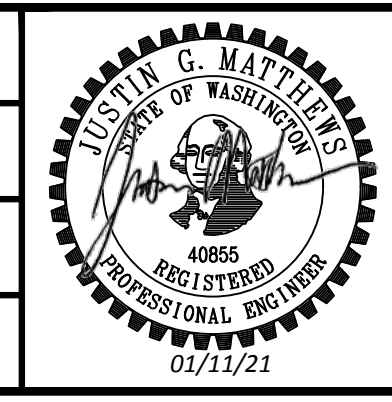


12/29/20 1 3:01 PM | MICHAEL V. Z:\19000001-1900999\1900096 ST PUYALLUP DB GARAGE\CAD\DESIGN\317-F1592-CPD021.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
M. VU  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

PACKAGE # DP-2 SITework AND UTILITIES

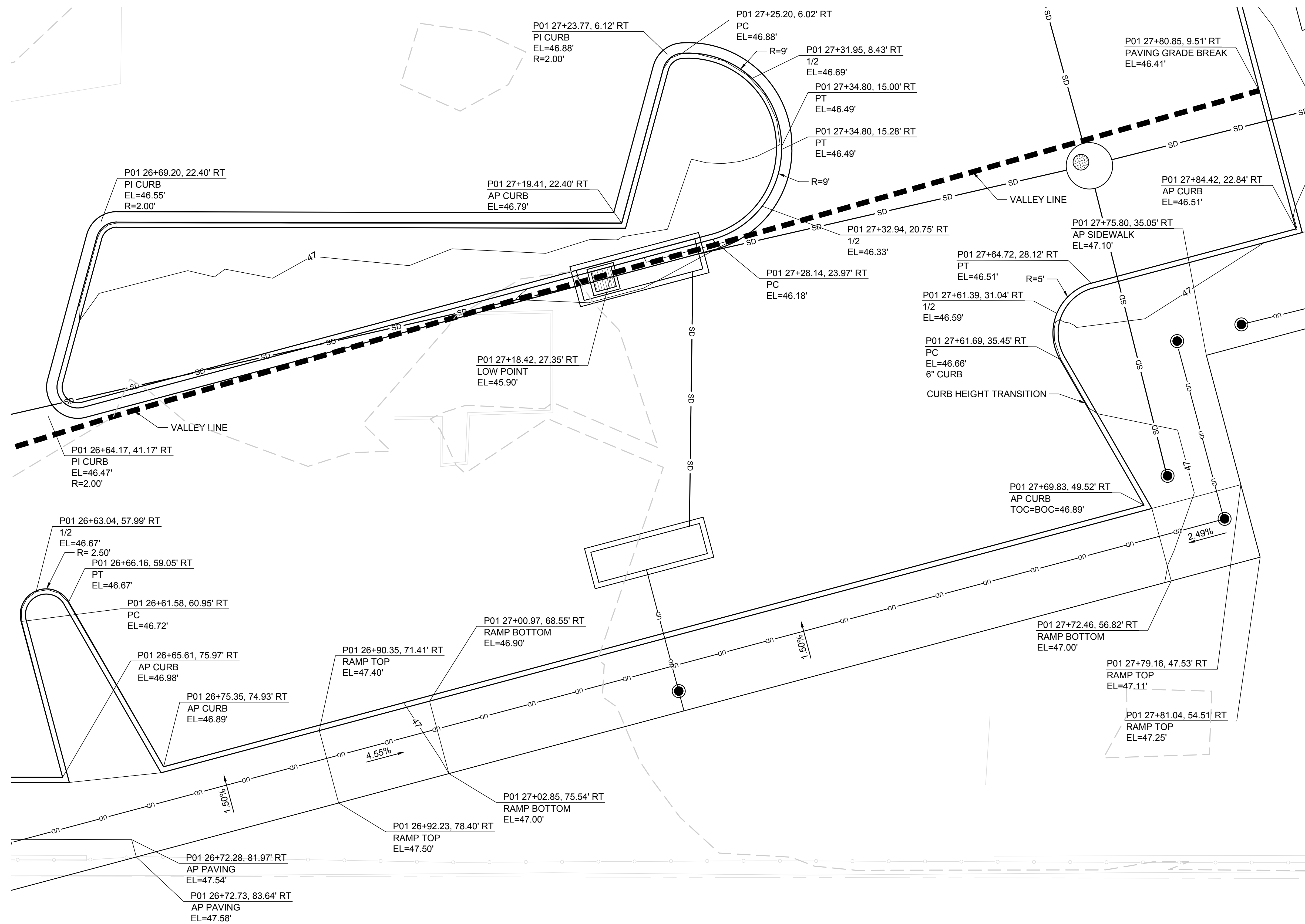
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 SCALE: 1" = 5'  
 FILENAME: S317-F1592-CPD021  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL PAVING AND GRADING DETAILS

DRAWING No.: **F1592-CPD021**  
 FACILITY ID: F1592  
 SHEET No.: **20/81**

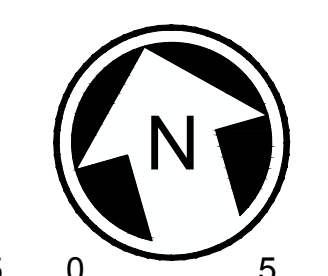
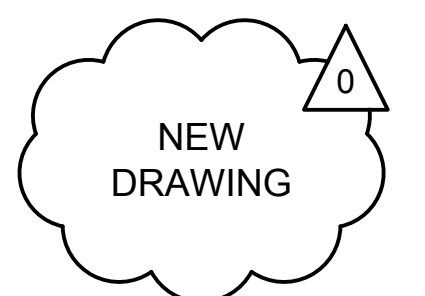


Xrefs:  
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 xS317-F1592-RPP100  
 xS317-F1592-VRX100  
 GB-SEA--JGM4855  
 xS317-F1592-CSP100  
 xS317-F1592-CDP100  
 xS317-F1592-LWP100  
 xS317-F1592-UWP100  
 xGB-TB22x34  
 xS317-F1592-SOP10  
 xS317-F1592-CLP100  
 xS317-F1592-TSP100



- GENERAL NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN10.
  - FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  - FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  - ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

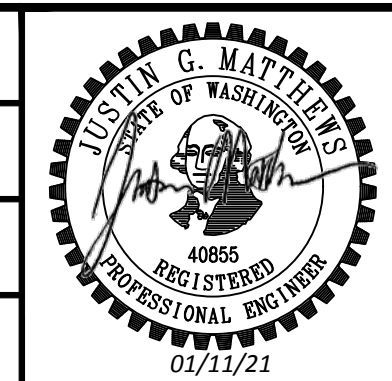
**APPROVED**  
 BY *Joseph Baker*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE 2/17/2021  
 NOTE: THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
 DATE.  
 THE CITY WILL NOT BE  
 RESPONSIBLE FOR ERRORS AND/  
 OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE  
 CHANGES TO THESE PLANS AS  
 DETERMINED BY THE  
 ENGINEERING SERVICES  
 MANAGER.



12/29/20 1 3:01 PM | MICHAEL V Z:\19000001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CPD022.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
M. VU  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS

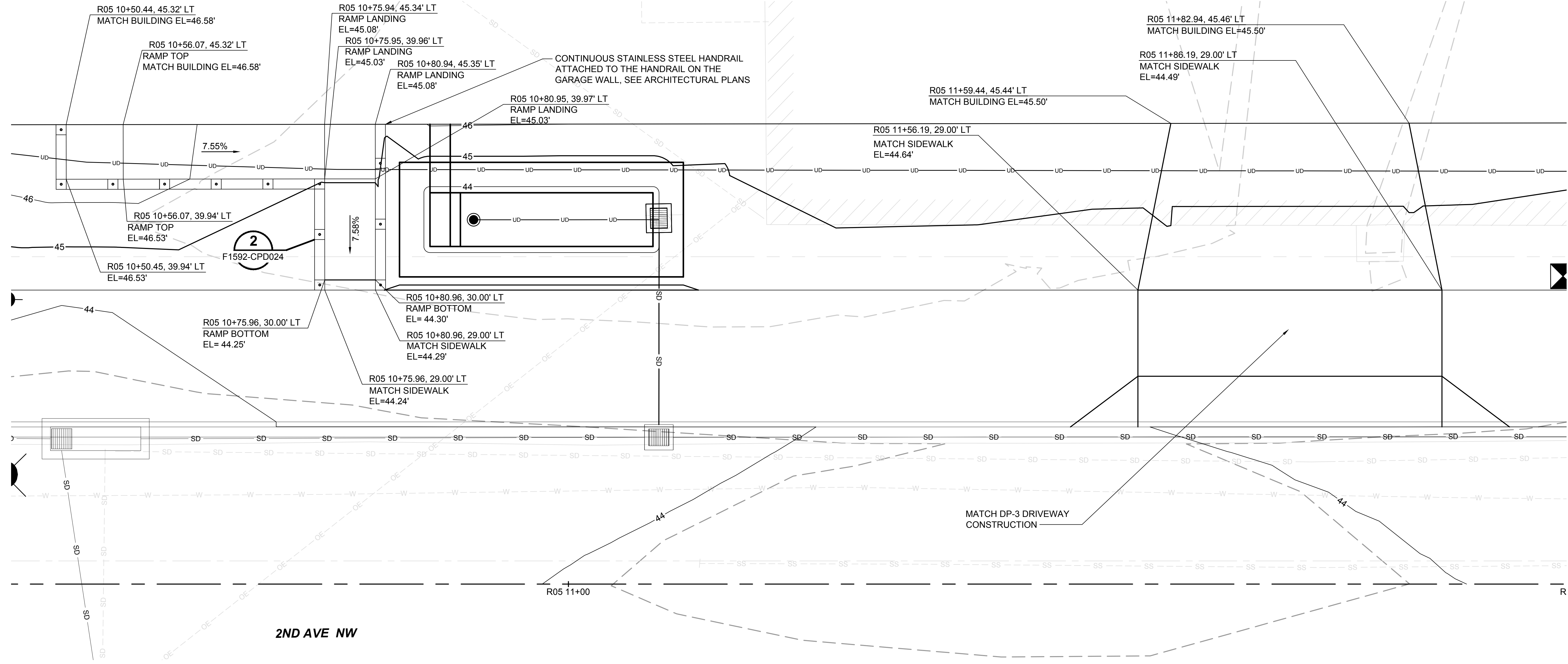


<b>PACKAGE #</b> DP-2		<b>SITWORK AND UTILITIES</b>	
SCALE: 1" = 5'		<b>PUYALLUP STATION PARKING          CONTRACT RTA/CN 0612-18          PUYALLUP STATION PARKING AND ACCESS          IMPROVEMENTS</b>  CIVIL PAVING AND GRADING DETAILS	
FILENAME: S317-F1592-CPD022			
CONTRACT No.: RTA/CN 0612-18			
SUBMITTED BY: SARA ROBERTS		DRAWING No.: F1592-CPD022	
DATE: 12/04/2020		FACILITY ID: F1592	
REVIEWED BY: GREG SHIMIZU		SHEET No.: REV: 21/81	
DATE: 12/04/2020		SUBMITTAL DATE: 12/04/2020	

No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

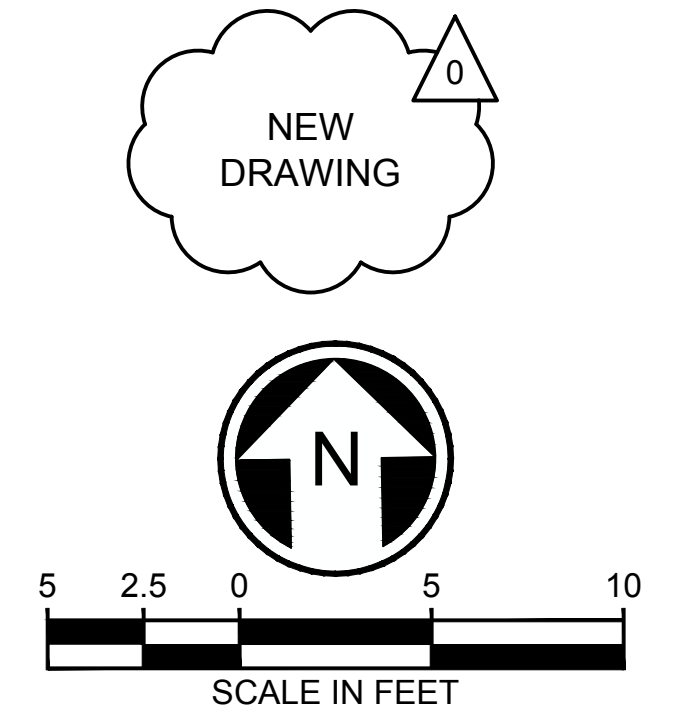


Xrefs:  
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 xS317-F1592-VRK100  
 GB-SEA--JGM40855  
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 xS317-F1592-CDP100  
 xS317-F1592-LWP100  
 xS317-F1592-UPP100  
 xGB-TB22x34  
 xS317-F1592-SOP010  
 xS317-F1592-CP100  
 xS317-F1592-TSP100



- GENERAL NOTES:**
1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
  3. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
  4. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
  5. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

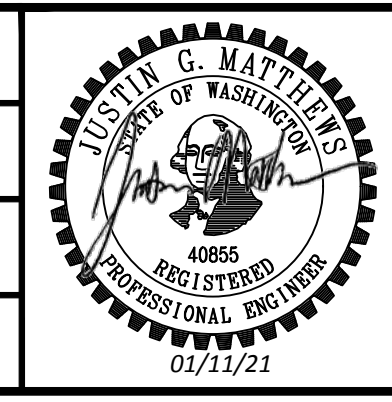
**APPROVED**  
 BY: *Joan Berkeley*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
 DATE.  
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 MANAGER.



01/07/21 | 9:03 AM | MICHAEL V Z:\19000001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CPD023.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
M. VU  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

PACKAGE # DP-2 SITEWORK AND UTILITIES

**SOUNDTRANSIT**  
 SCALE:  
1" = 5'  
 FILENAME:  
S317-F1592-CPD023  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
12/04/2020

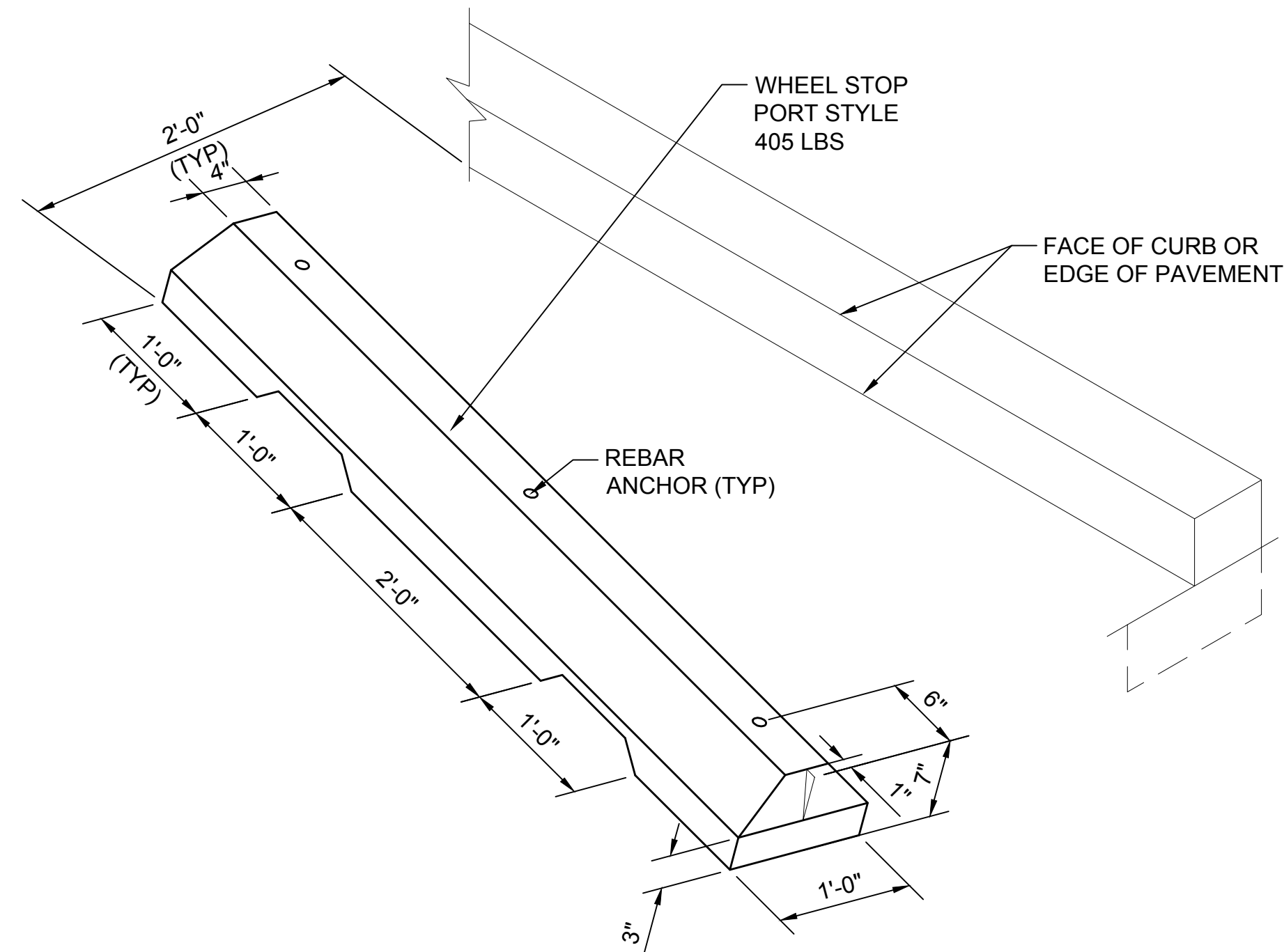
**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 PAVING AND GRADING DETAILS

DRAWING No.:  
**F1592-CPD023**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
**22/81**

No.	DATE	DSN	CHK	APP	REVISION
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0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

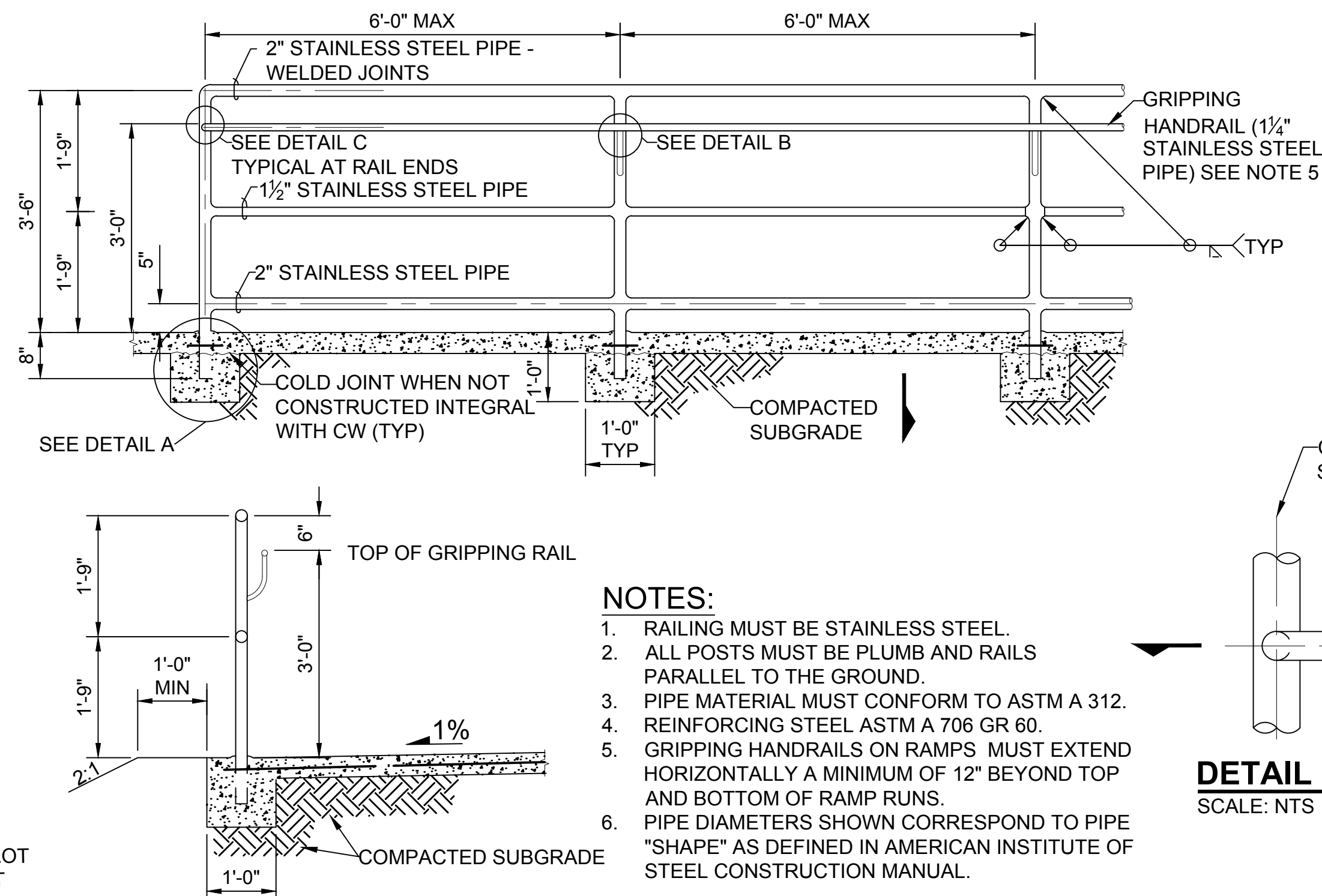


Xrefs:  
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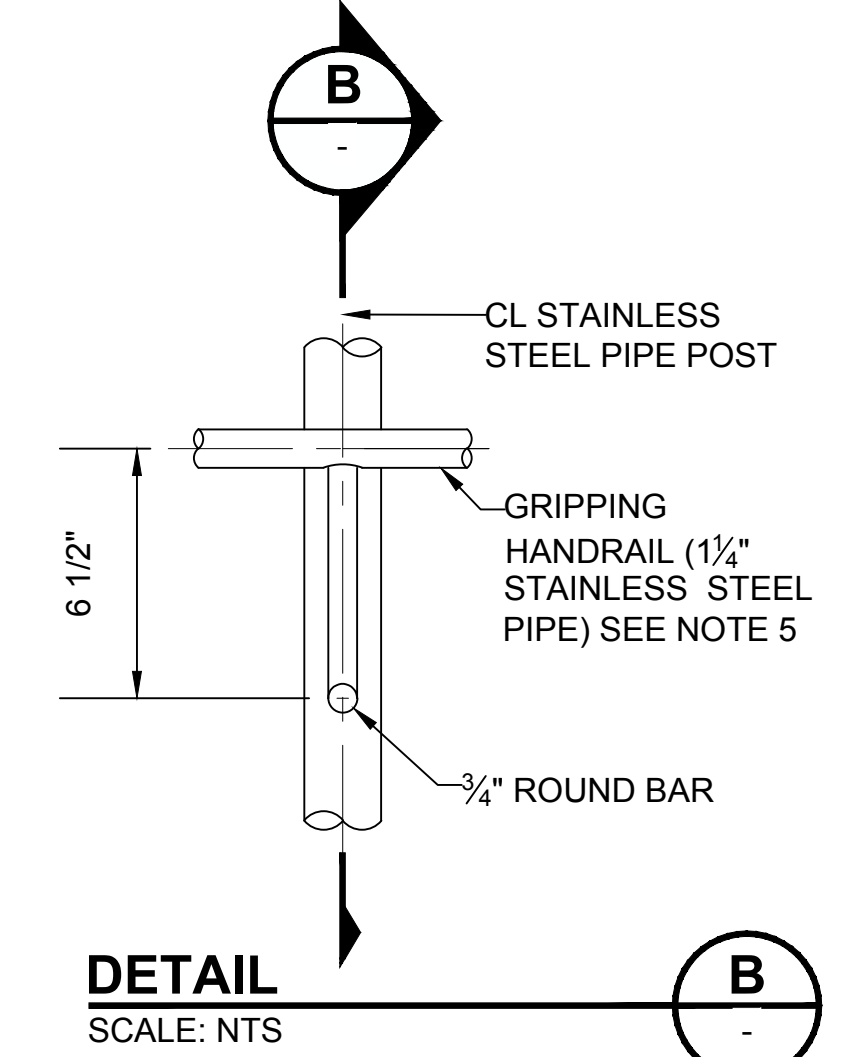
**WHEEL STOP DETAIL**  
SCALE: NTS

**1**  
F1592-CMP203



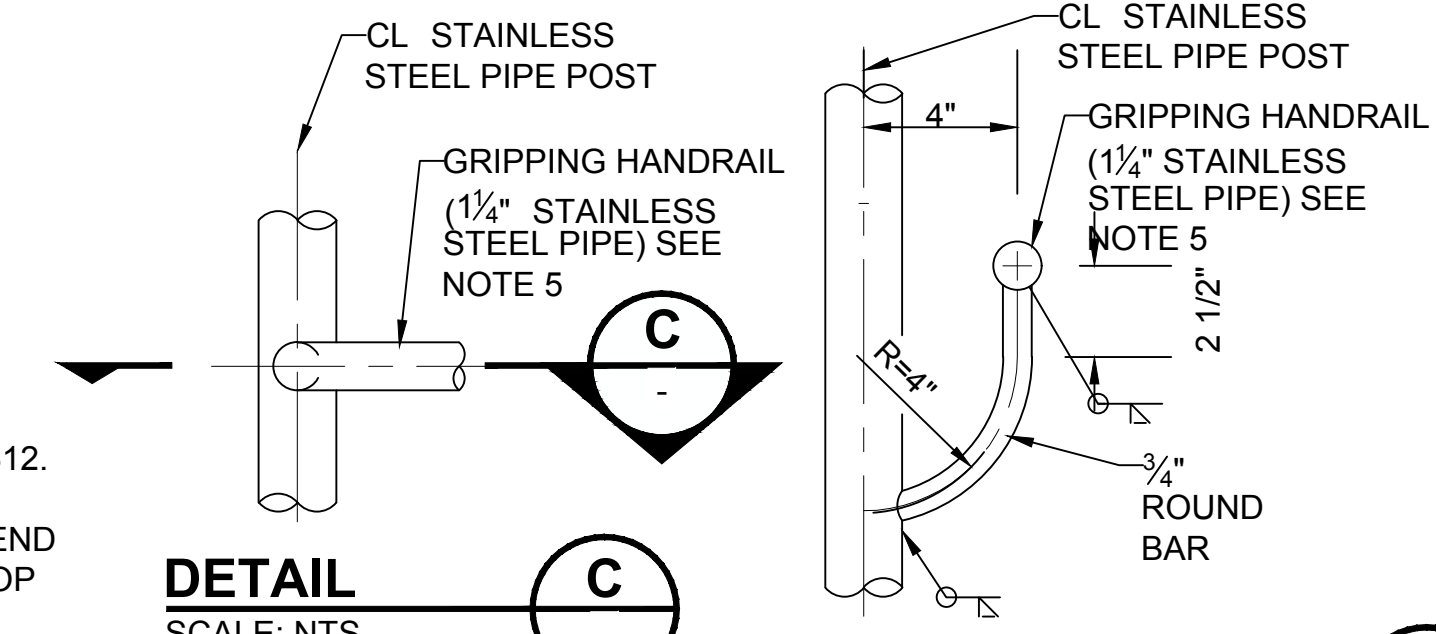
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SCALE: NTS

**A**



**DETAIL B**  
SCALE: NTS

**B**

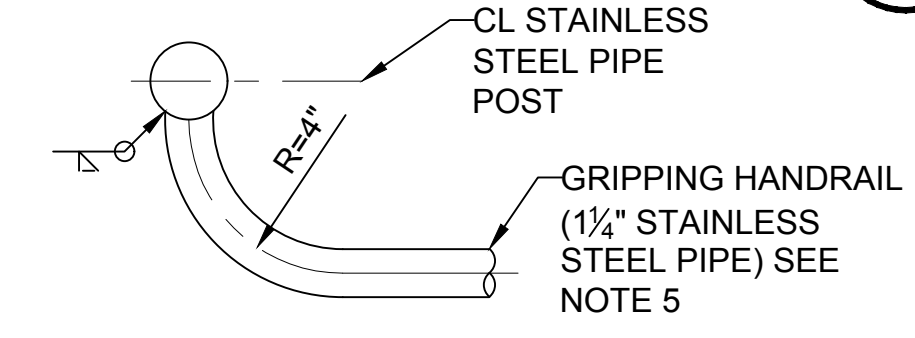


**DETAIL C**  
SCALE: NTS

**C**

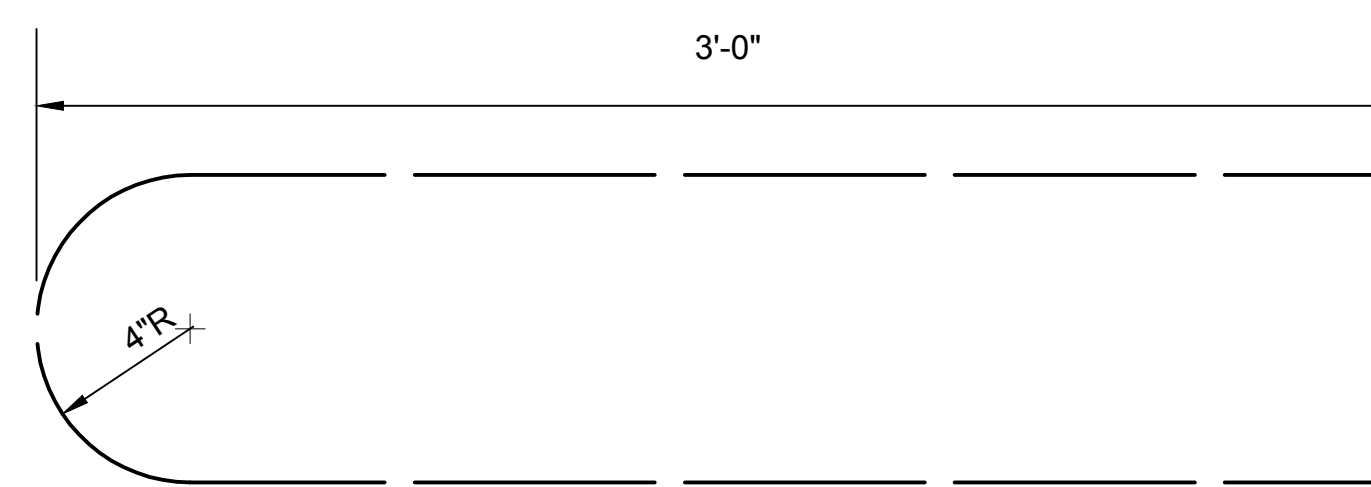
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SCALE: NTS

**B**



**SECTION C**  
SCALE: NTS

**C**

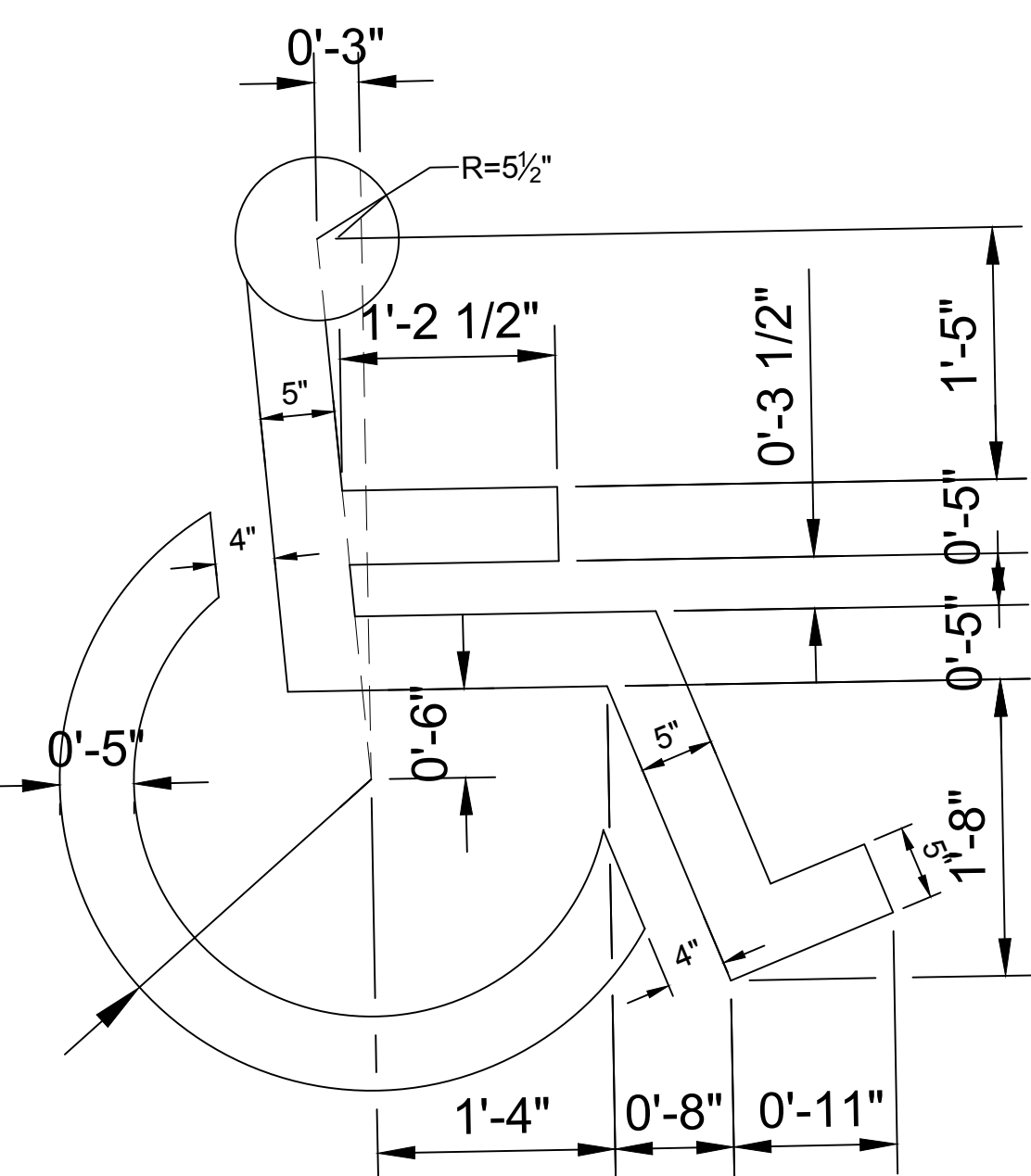


**DETAIL D**  
SCALE: NTS

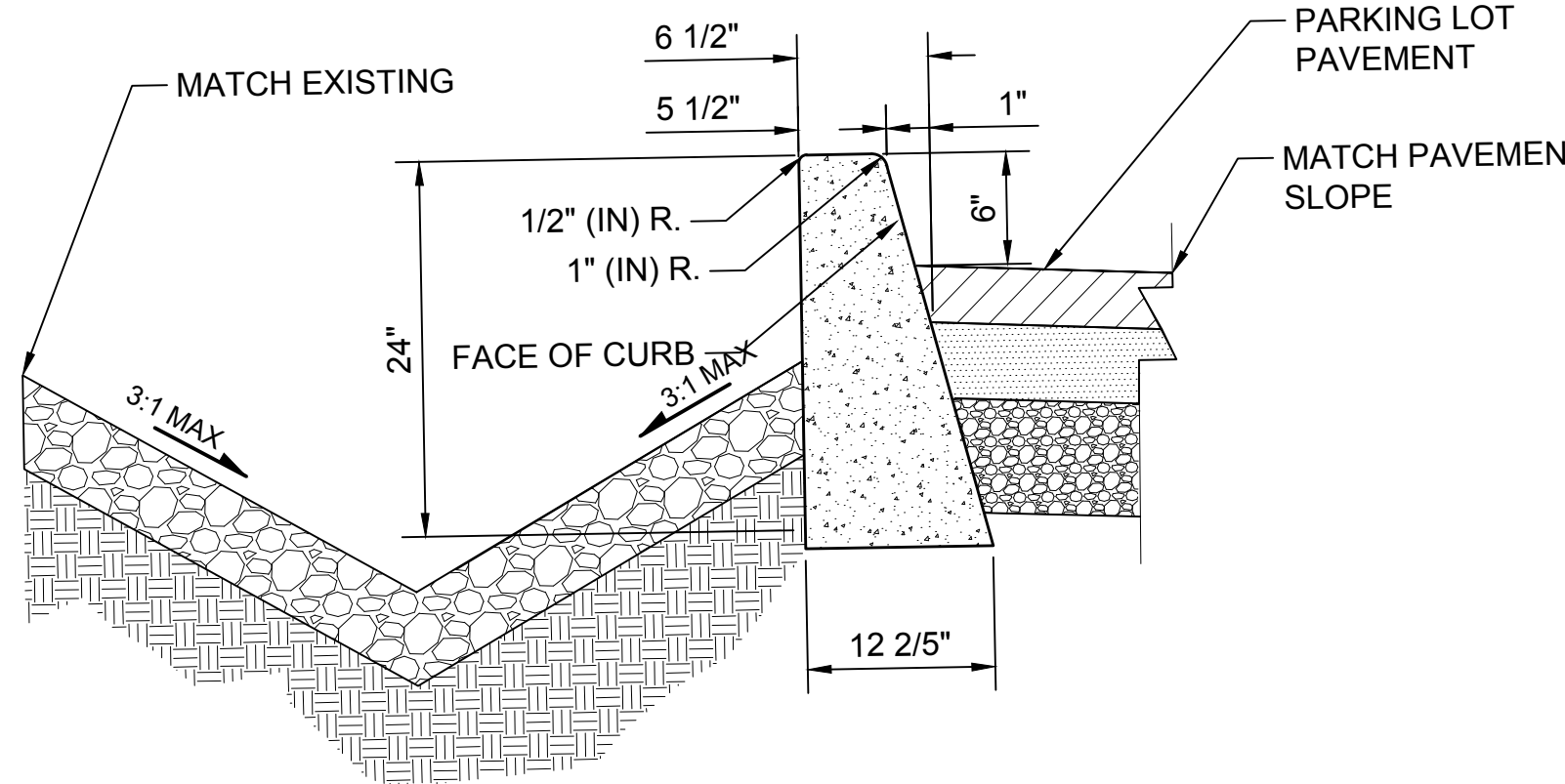
**D**

**HANDRAIL DETAIL**  
SCALE: NTS

- NOTES:**
1. RAILING MUST BE STAINLESS STEEL.
  2. ALL POSTS MUST BE PLUMB AND RAILS PARALLEL TO THE GROUND.
  3. PIPE MATERIAL MUST CONFORM TO ASTM A 312.
  4. REINFORCING STEEL ASTM A 706 GR 60.
  5. GRIPPING HANDRAILS ON RAMPS MUST EXTEND HORIZONTALLY A MINIMUM OF 12' BEYOND TOP AND BOTTOM OF RAMP RUNS.
  6. PIPE DIAMETERS SHOWN CORRESPOND TO PIPE "SHAPE" AS DEFINED IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.



**DISABLED PERSON SYMBOL MARKING**  
SCALE: NTS



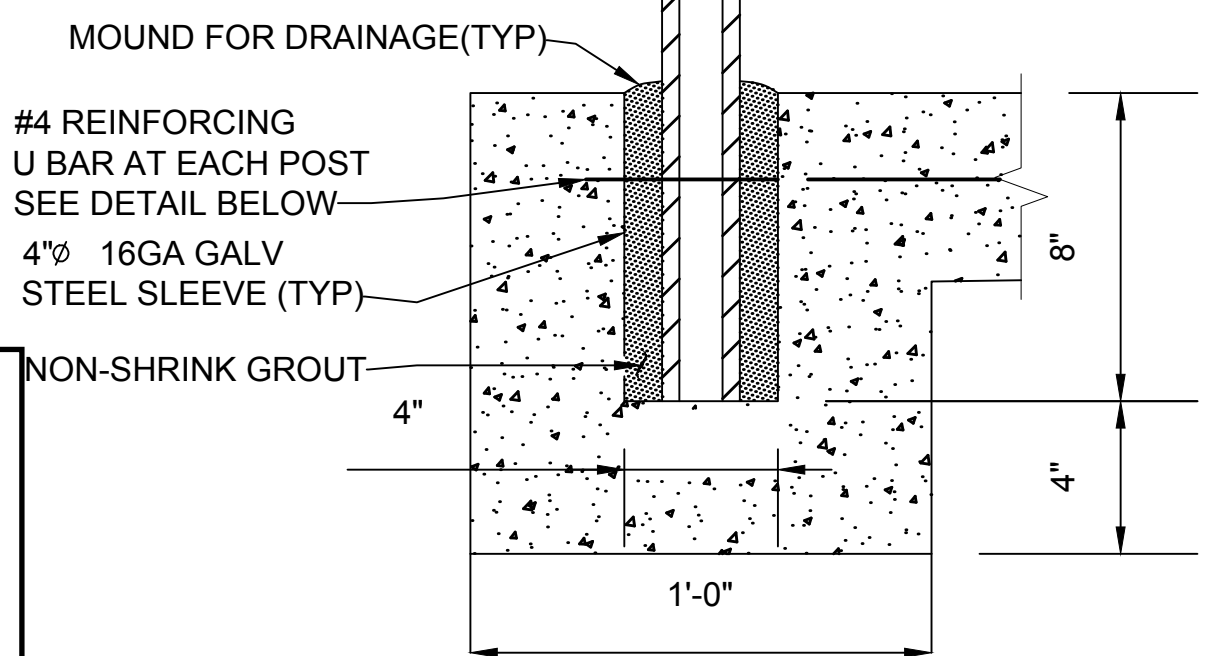
**MODIFIED CURB**  
SCALE: NTS

**4**  
F1592-CRP203

**3**  
F1592-CMP203  
F1592-CMP204

**2**  
F1592-CPD023

**APPROVED**  
BY: *Joseph Bakay*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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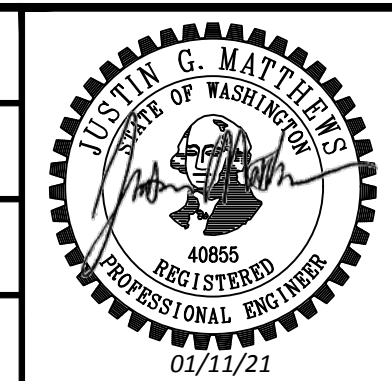


**NEW DRAWING**

01/07/21 | 9:16 AM | MICHAEL V Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CPD024.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS



SUBMITTED BY: SARA ROBERTS  
DATE: 12/04/2020  
REVIEWED BY: GREG SHIMIZU

PACKAGE # DP-2 SITework AND UTILITIES

SCALE: NTS  
FILENAME: S317-F1592-CPD024  
CONTRACT No.: RTA/CN 0612-18  
SUBMITTAL DATE: 12/04/2020

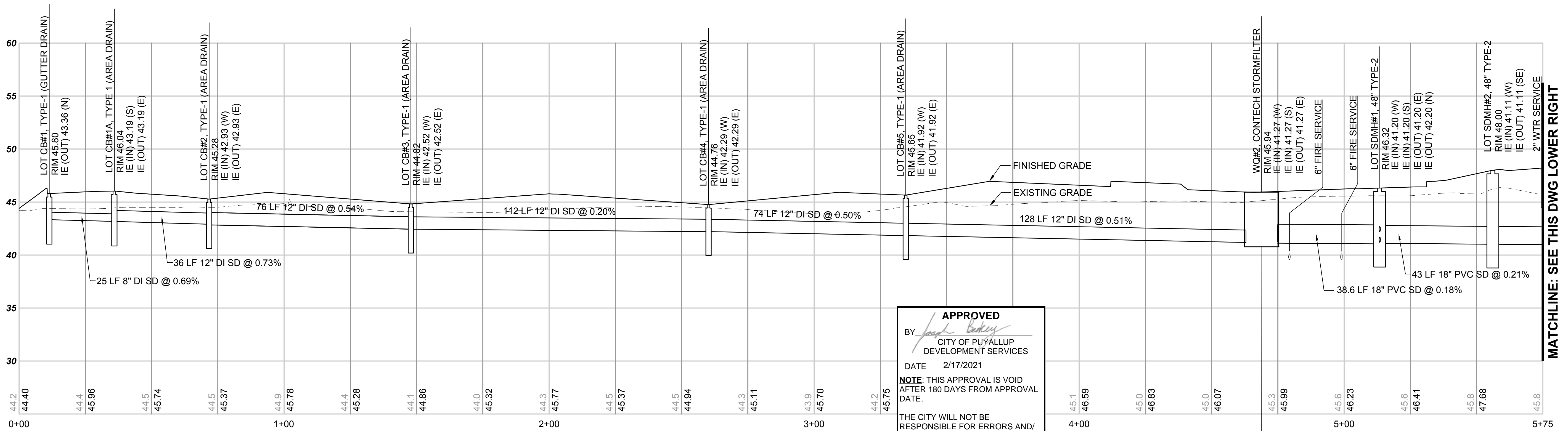
**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
CIVIL PAVING AND GRADING DETAILS

DRAWING No.: **F1592-CPD024**  
FACILITY ID: F1592  
SHEET No.: **23/81**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

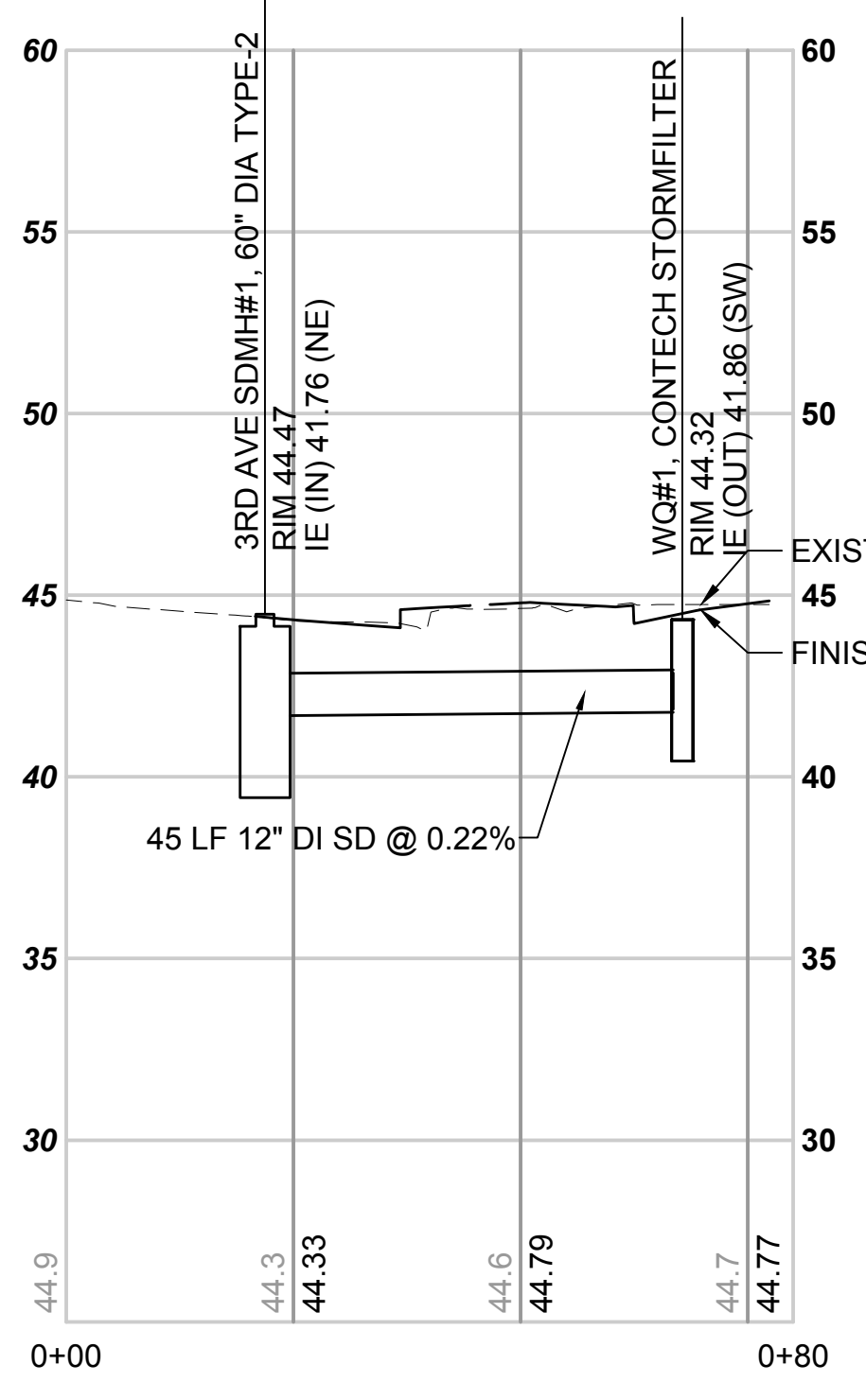


Xrefs:  
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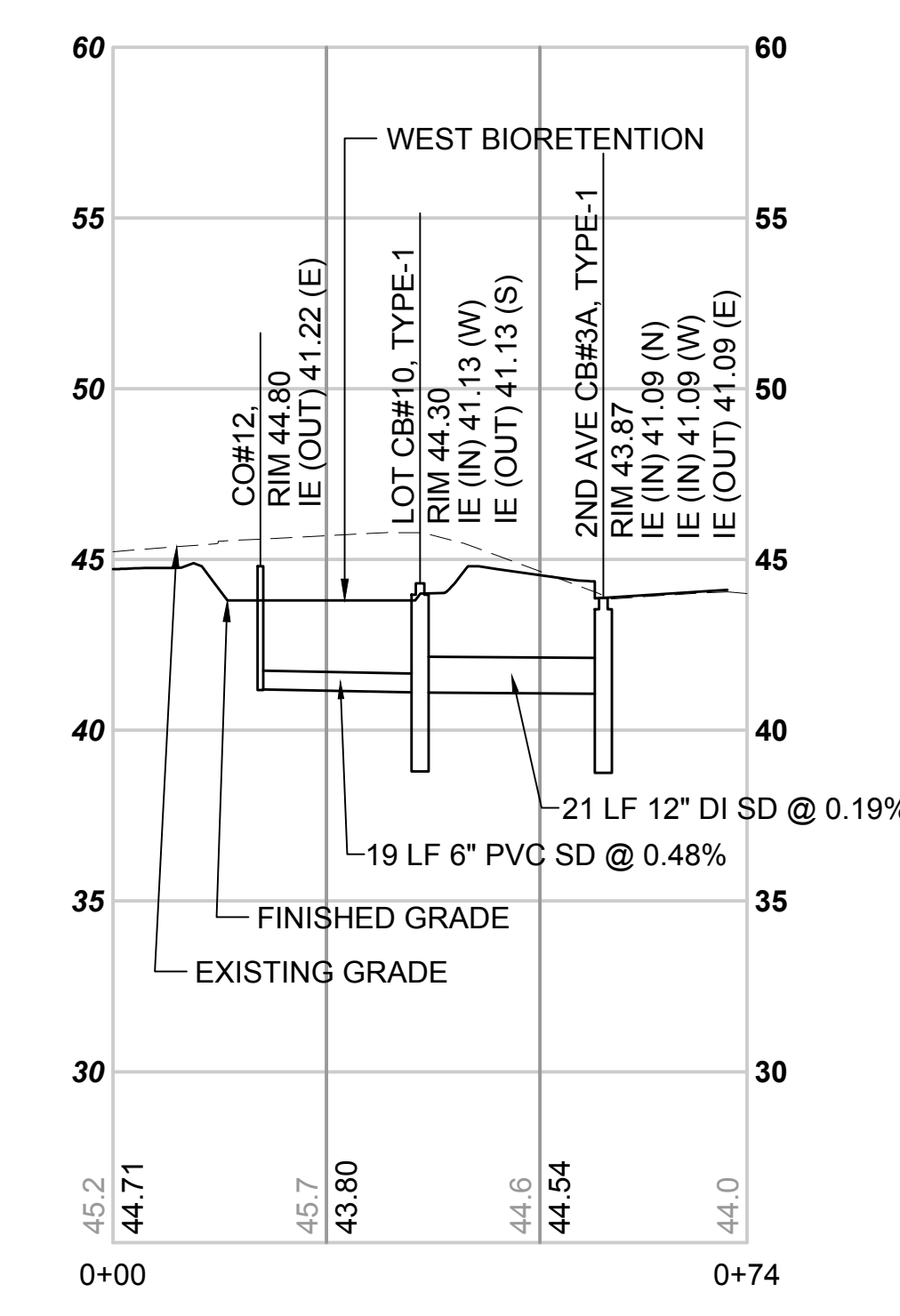


**NORTH LOT MAIN**  
 SCALE: H: 1"=20' V: 1"=5'

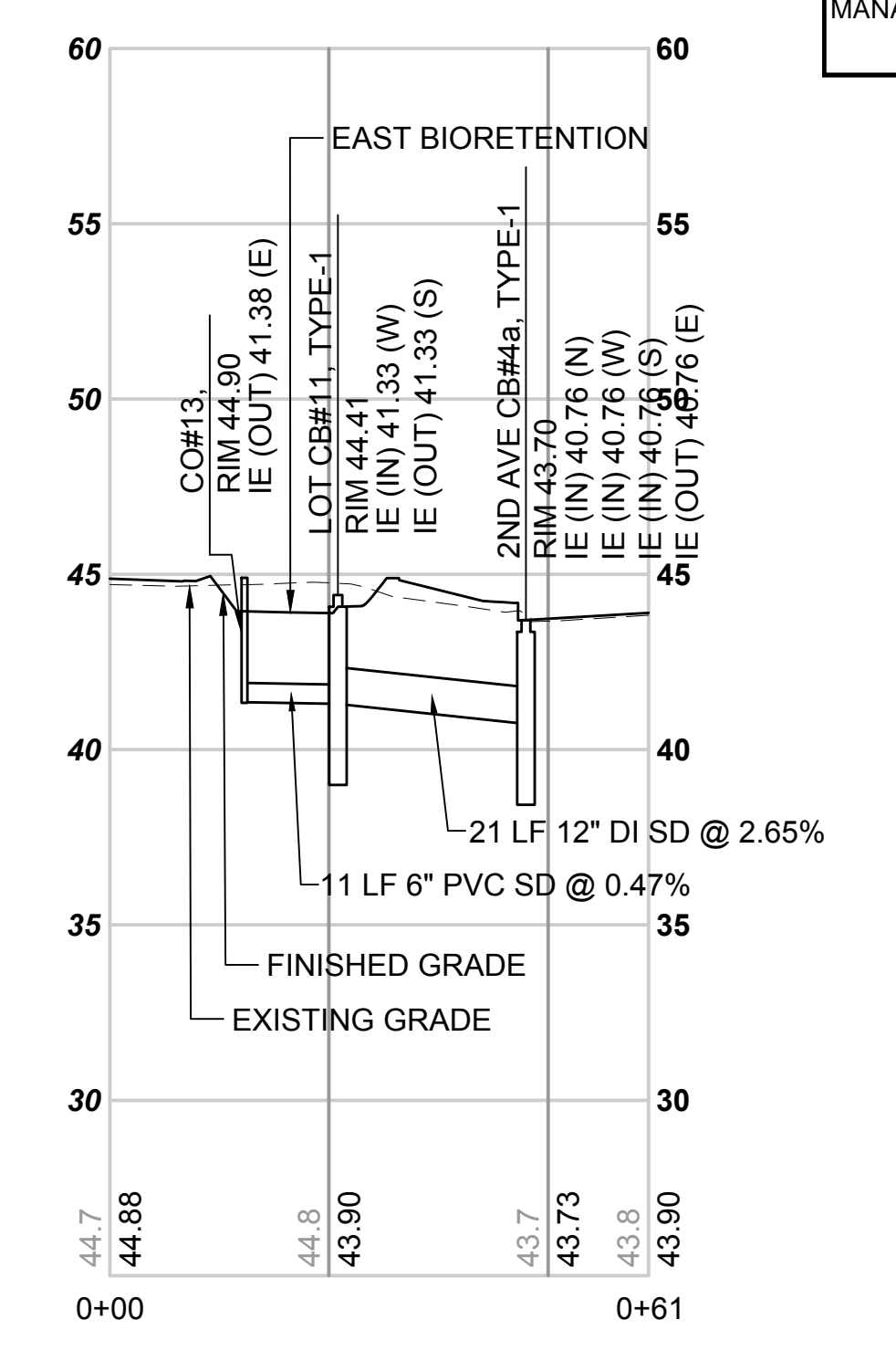
**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
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 MANAGER.



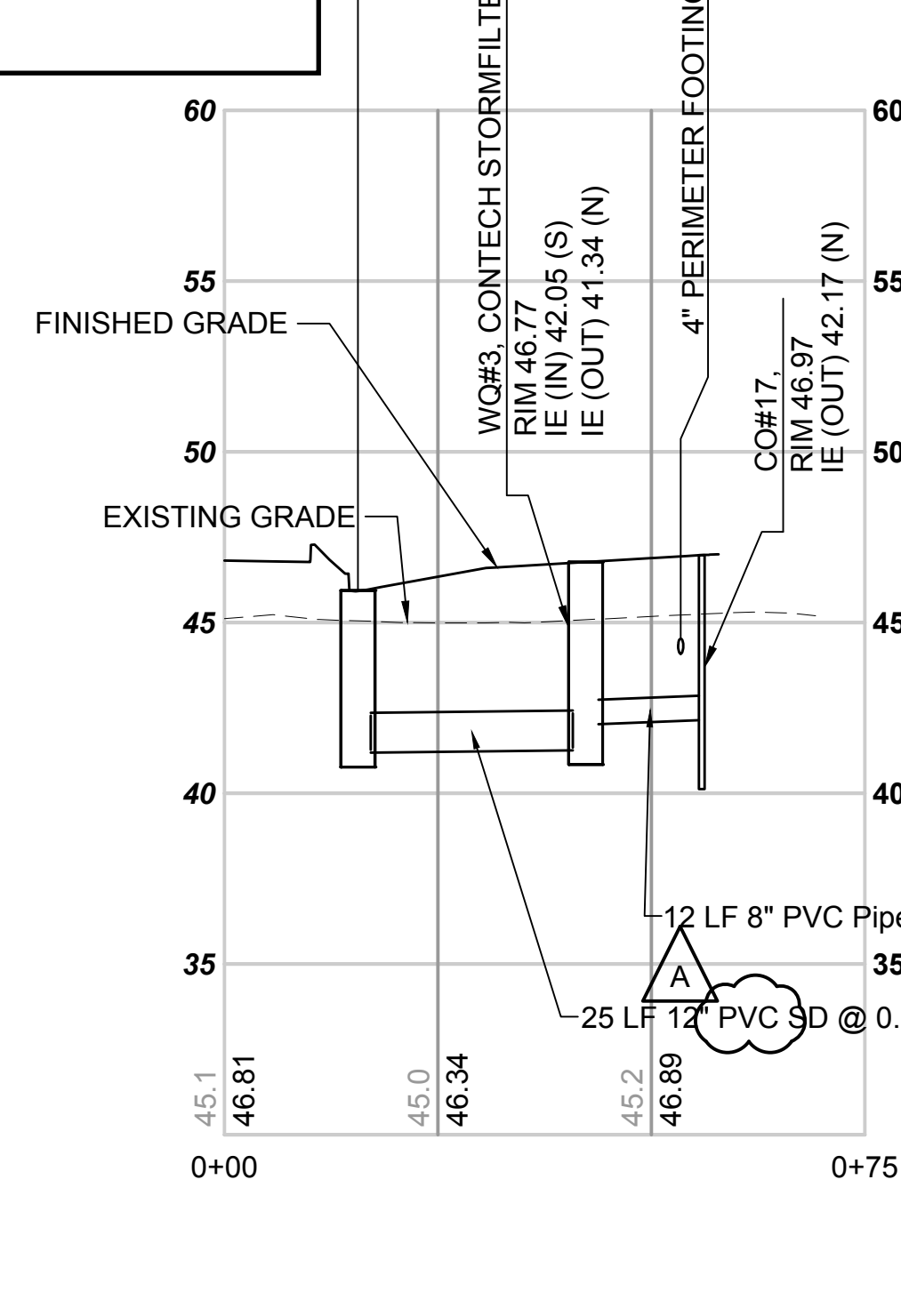
**WEST LOT LATERAL & 7TH ST NW**  
 SCALE: H: 1"=20' V: 1"=5'



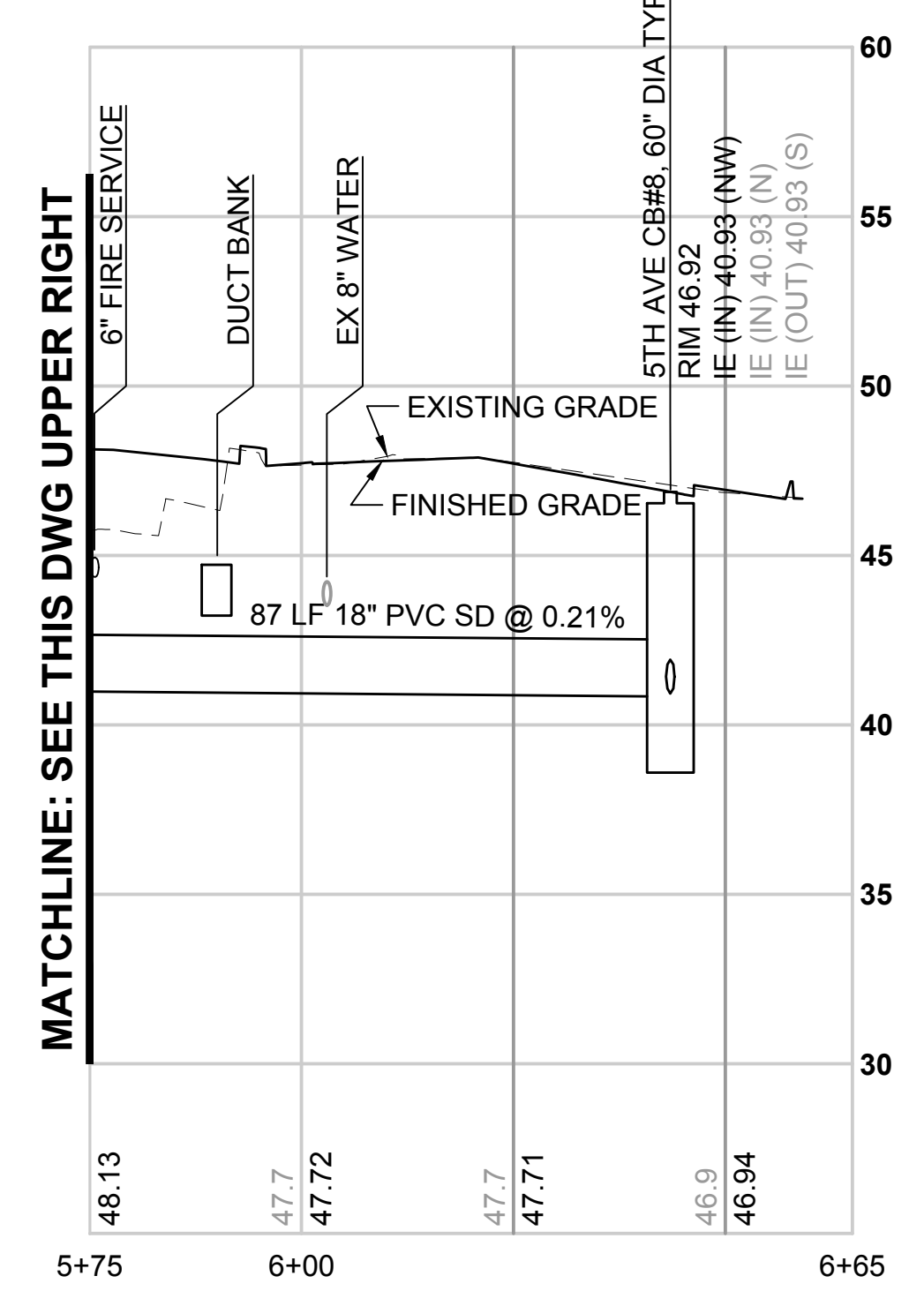
**SOUTH LOT LATERAL-1 & 2ND ST NW**  
 SCALE: H: 1"=20' V: 1"=5'



**SOUTH LOT LATERAL-2 & 2ND ST NW**  
 SCALE: H: 1"=20' V: 1"=5'



**NORTH LOT LATERAL**  
 SCALE: H: 1"=20' V: 1"=5'



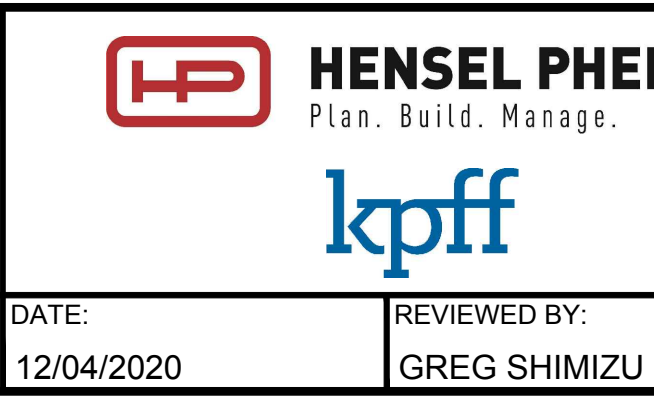
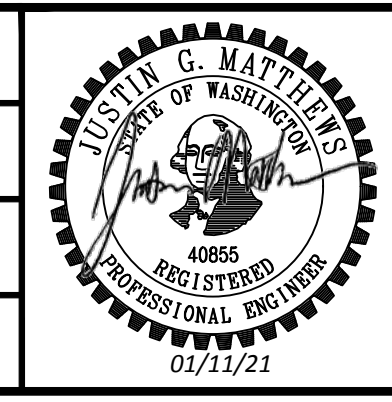
**NORTH LOT MAIN**  
 SCALE: H: 1"=20' V: 1"=5'

12/29/20 1:25:57 PM | MICHAEL V. ZIEMER | 19000991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CDV021.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
E. MENDEL  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY: SARA ROBERTS  
 DATE: 12/04/2020  
 REVIEWED BY: GREG SHIMIZU

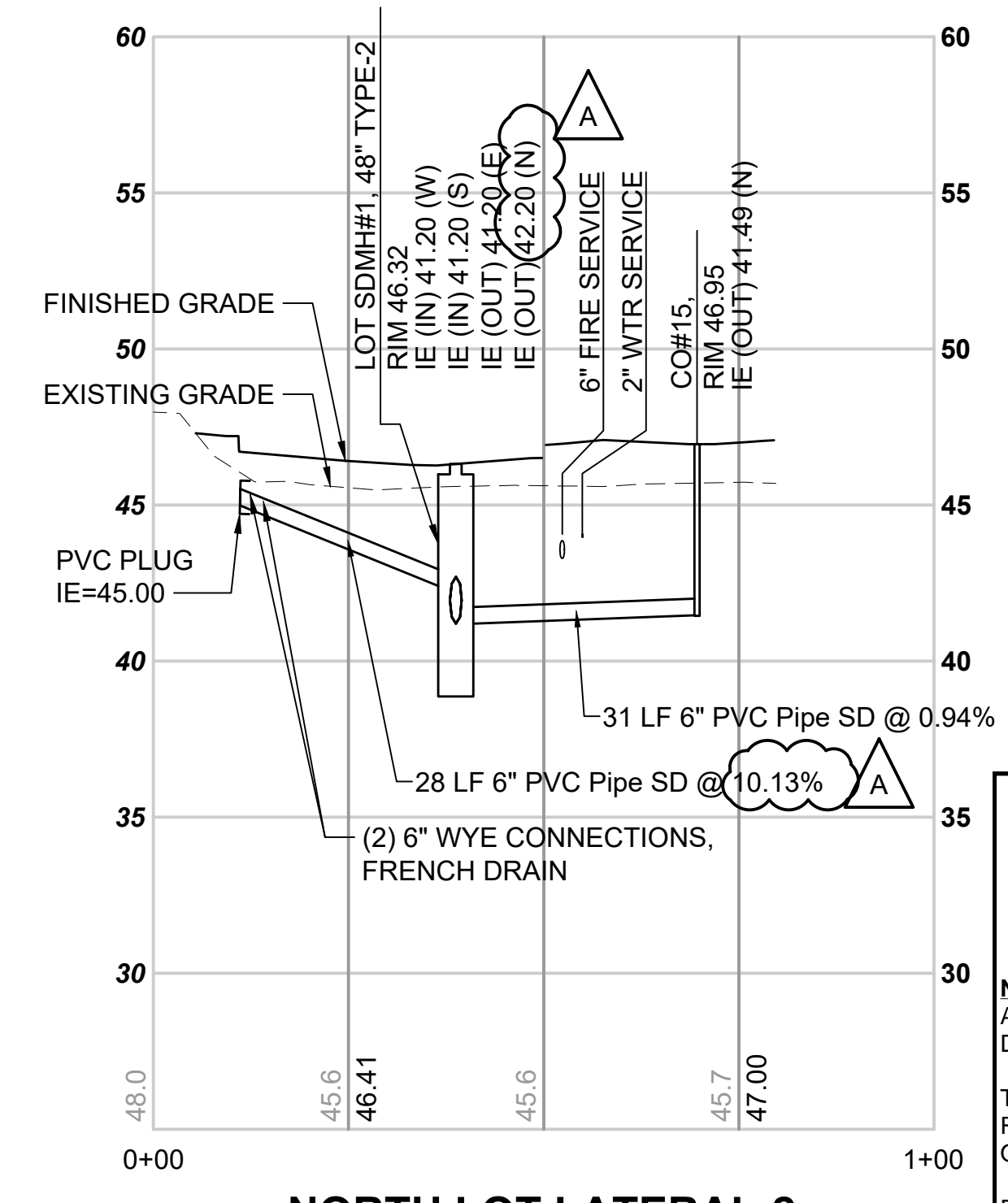
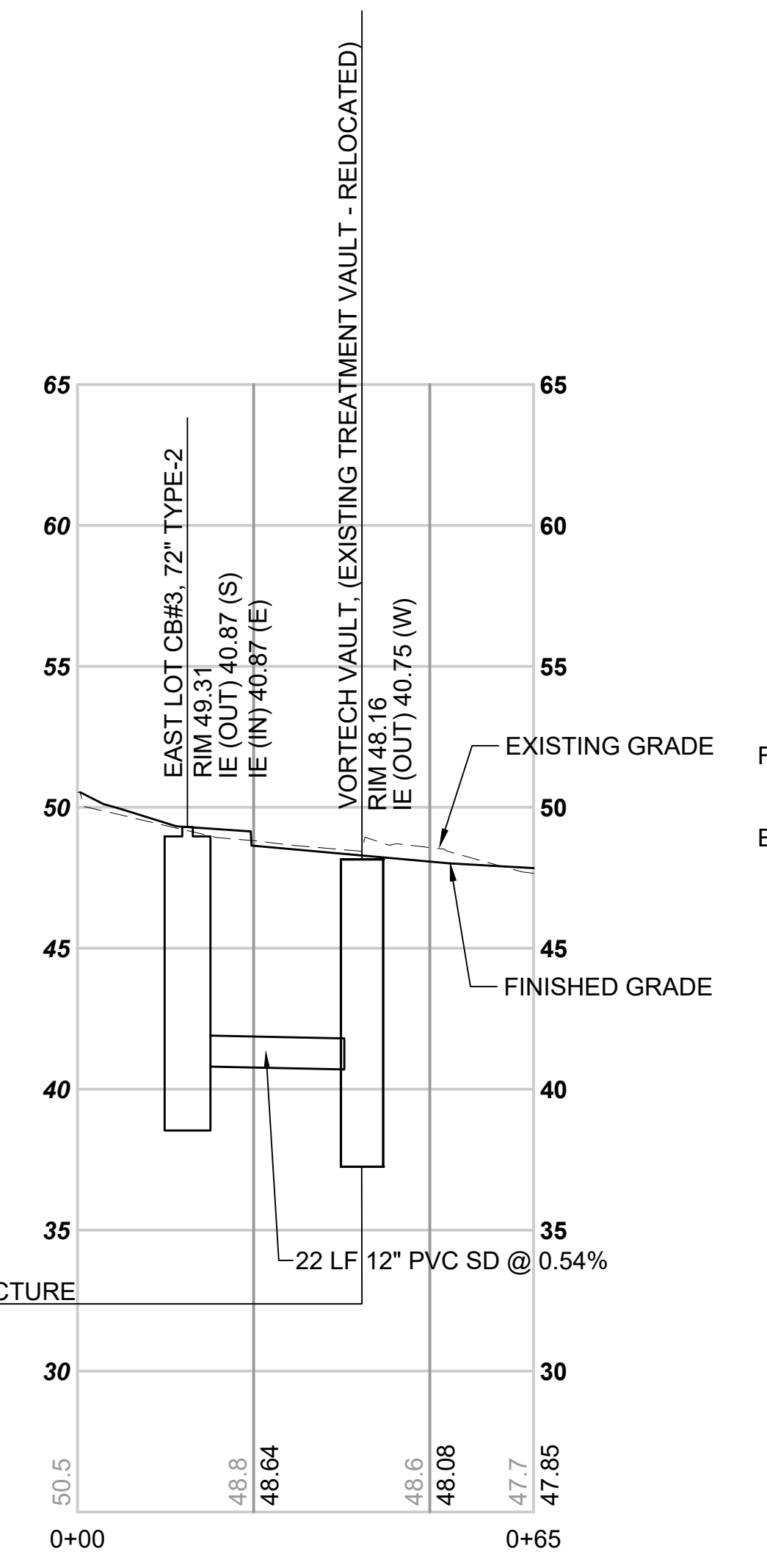
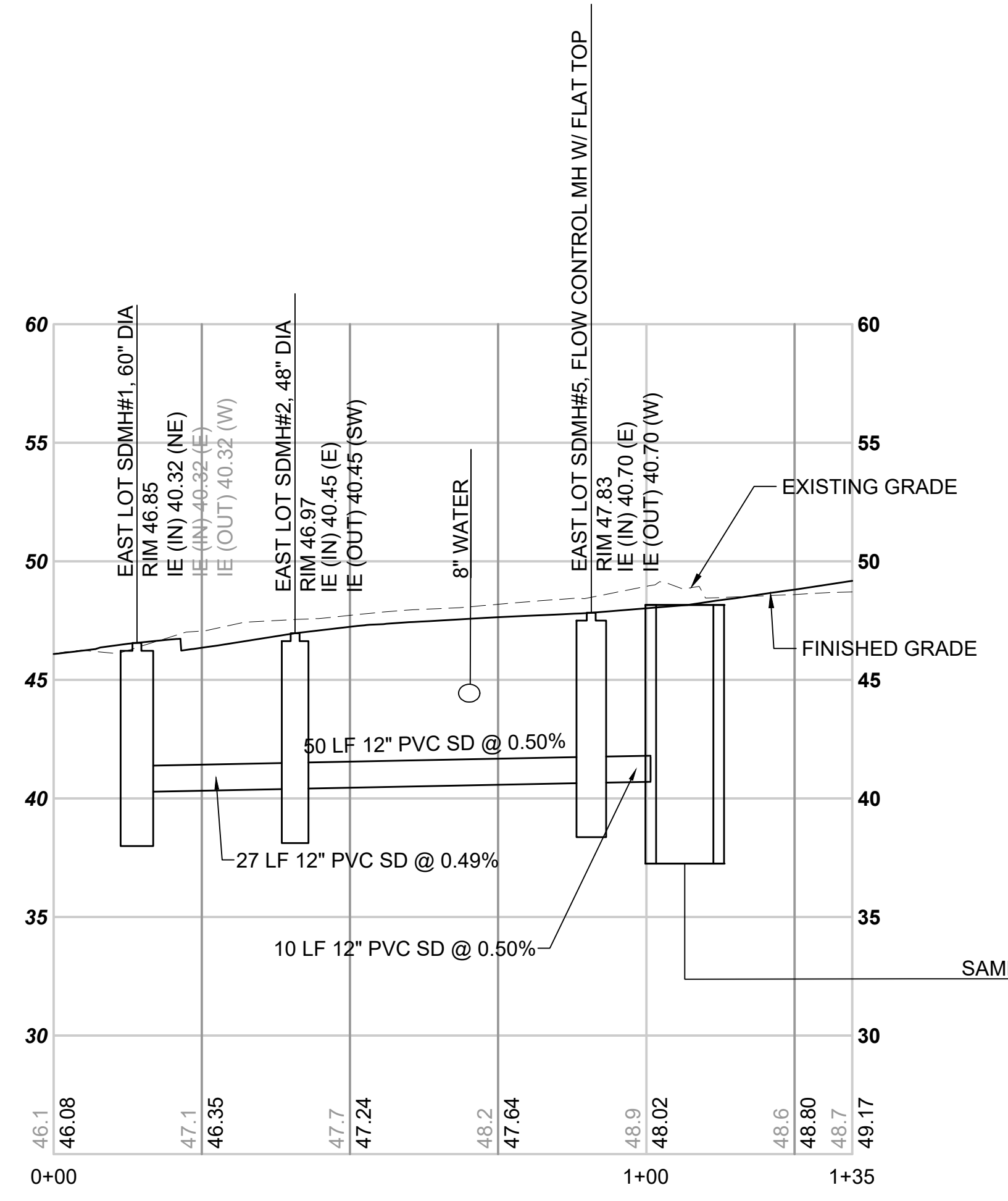
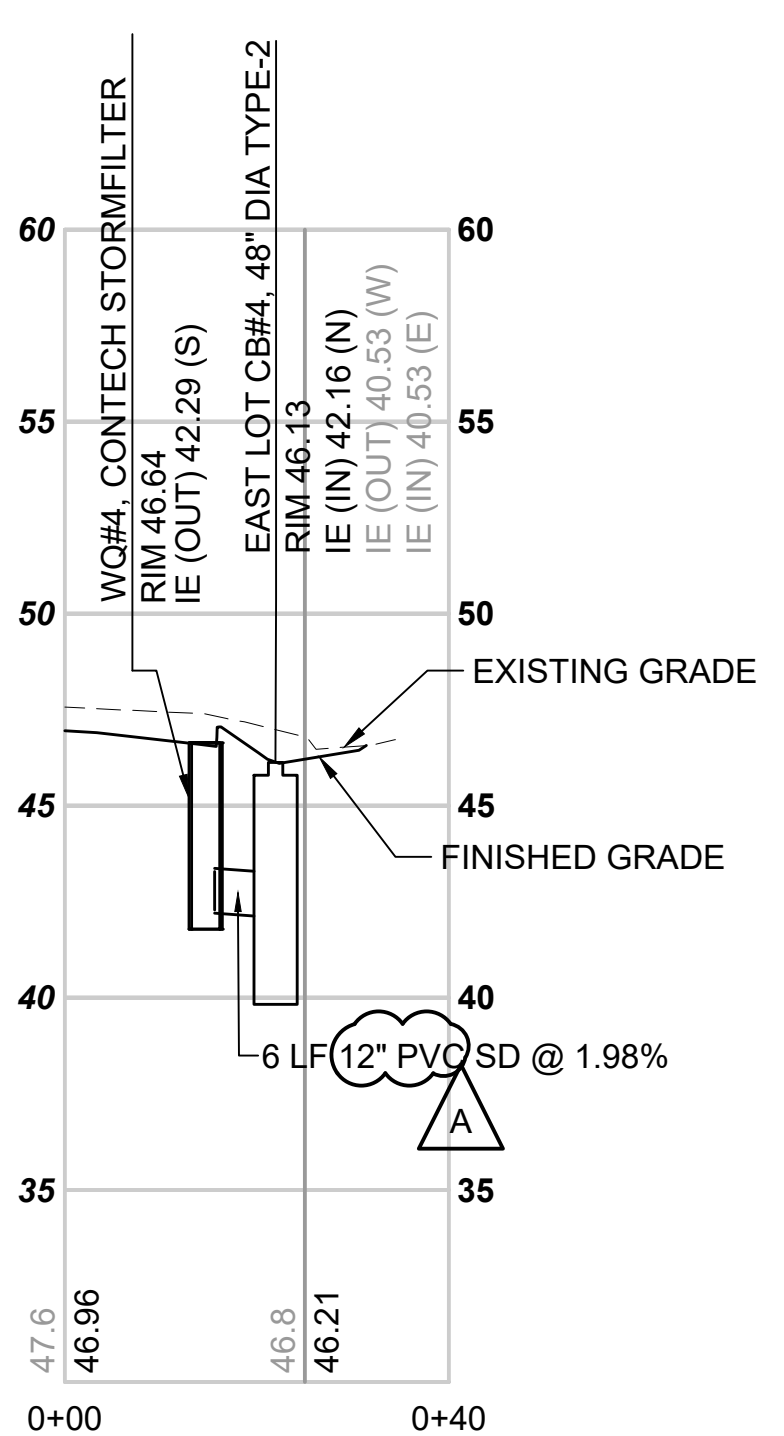
**PACKAGE # DP-2 SITEWORK AND UTILITIES**

SCALE:  
AS NOTED  
 FILENAME:  
S317-F1592-CDV021  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 DRAINAGE PROFILES

DRAWING No.:  
**F1592-CDV021**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
**24/81**



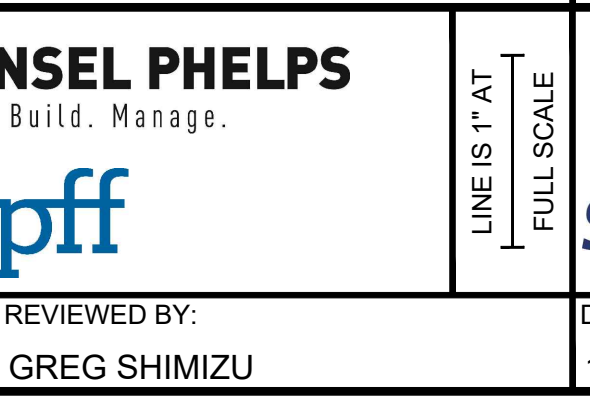
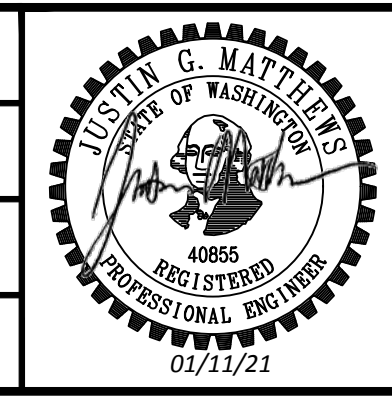


**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
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01/05/21 | 10:27 AM | MICHAEL V. Z.19000001-19009991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CDV022.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
 S. GUJULUVA RAJAN  
 DRAWN BY:  
 J. CURTIS  
 CHECKED BY:  
 E. MENDEL  
 APPROVED BY:  
 J. MATTHEWS



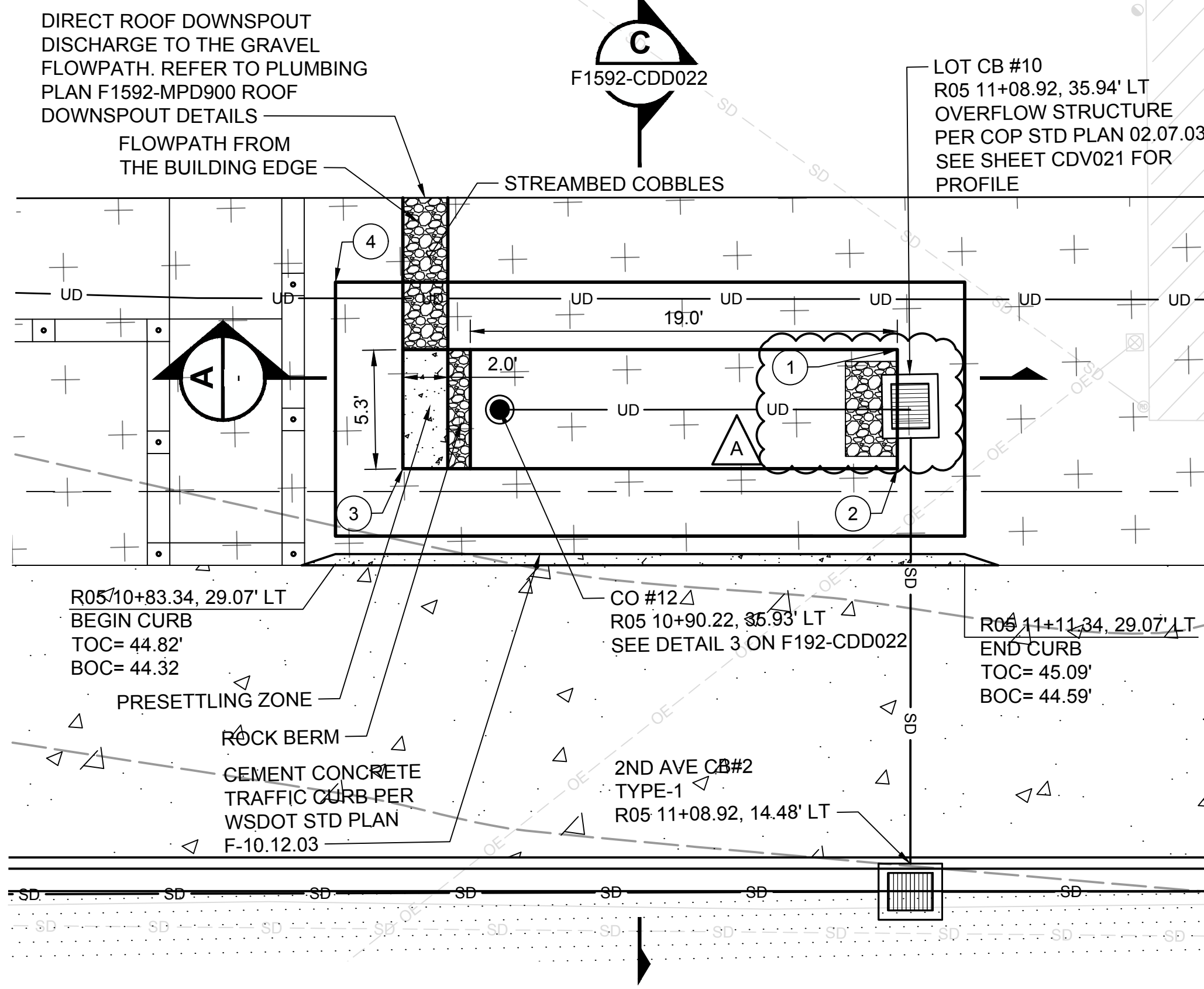
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**SITWORK AND UTILITIES**  
 SCALE: AS NOTED  
 FILENAME: S317-F1592-CDV022  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 CIVIL DRAINAGE PROFILES

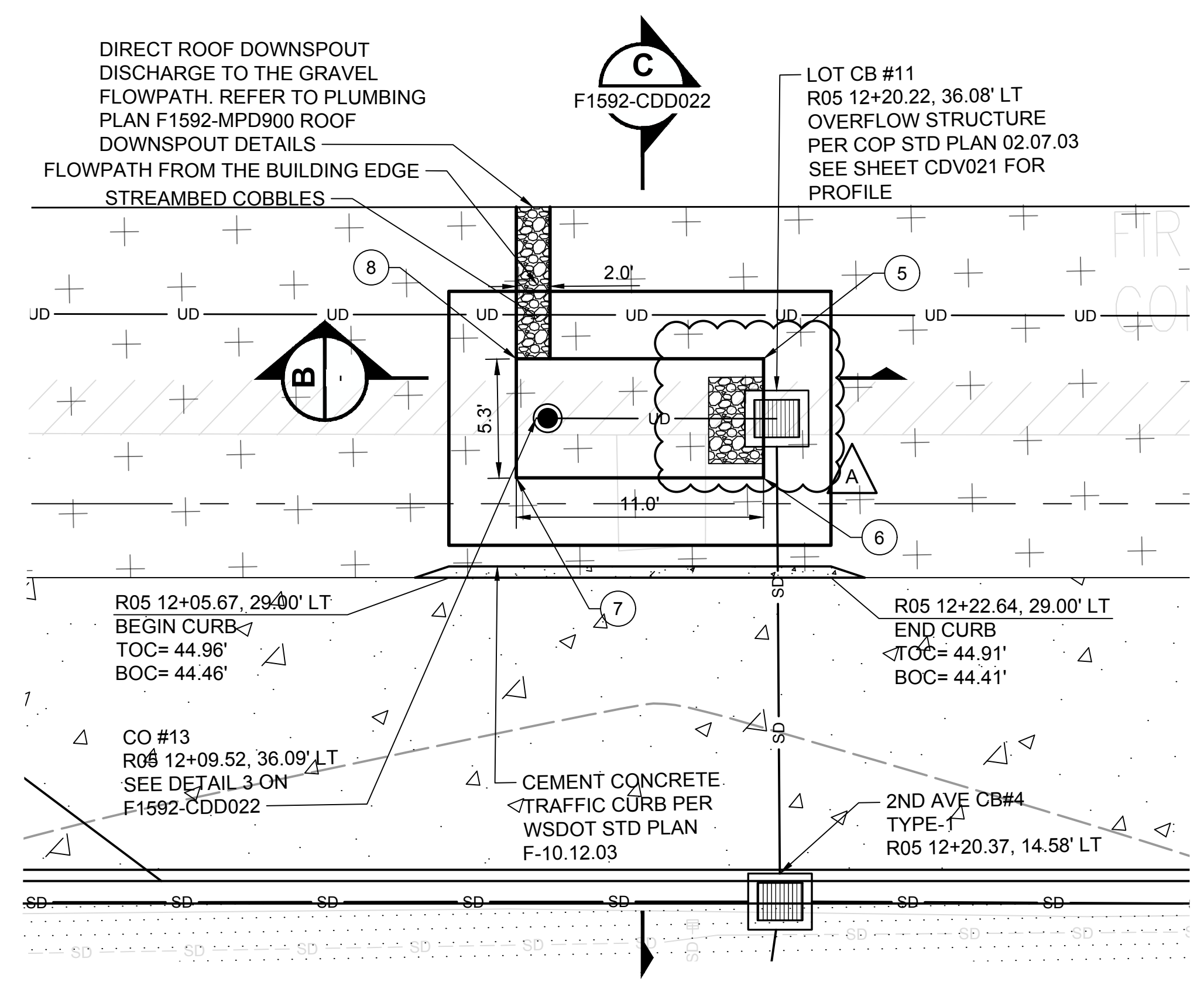
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 FACILITY ID: F1592  
 SHEET No.: **25/81**



Xrefs:  
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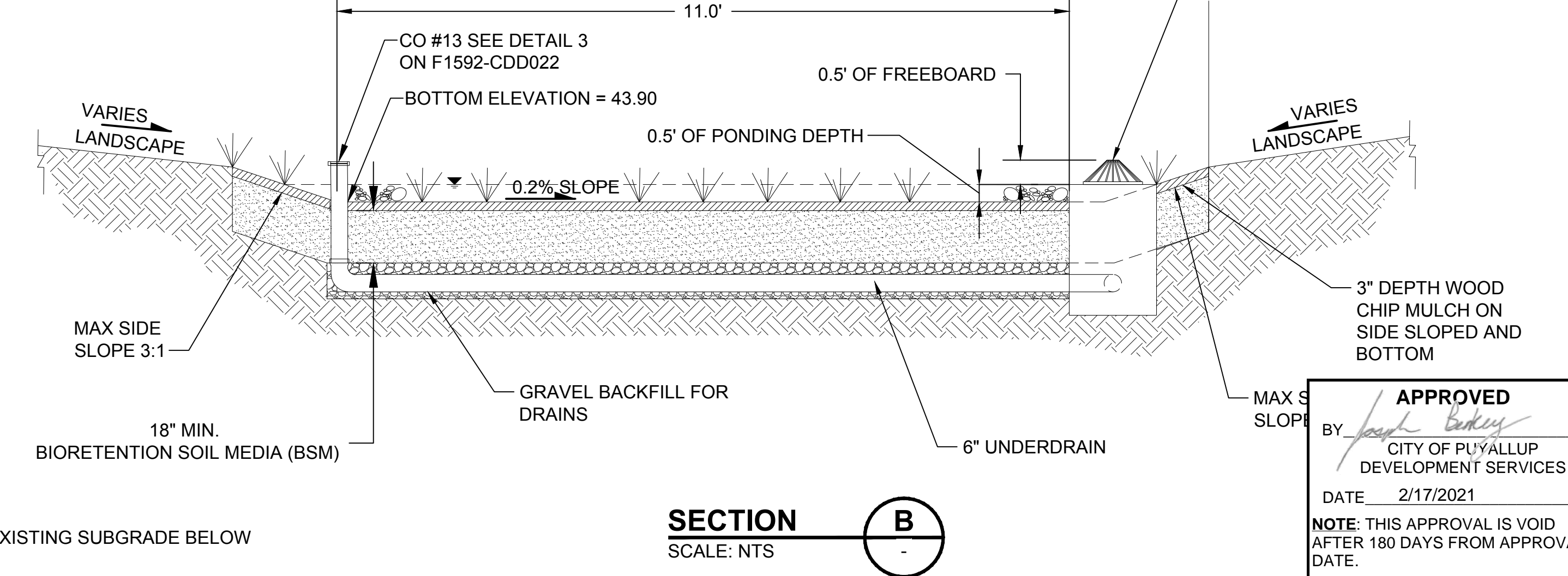
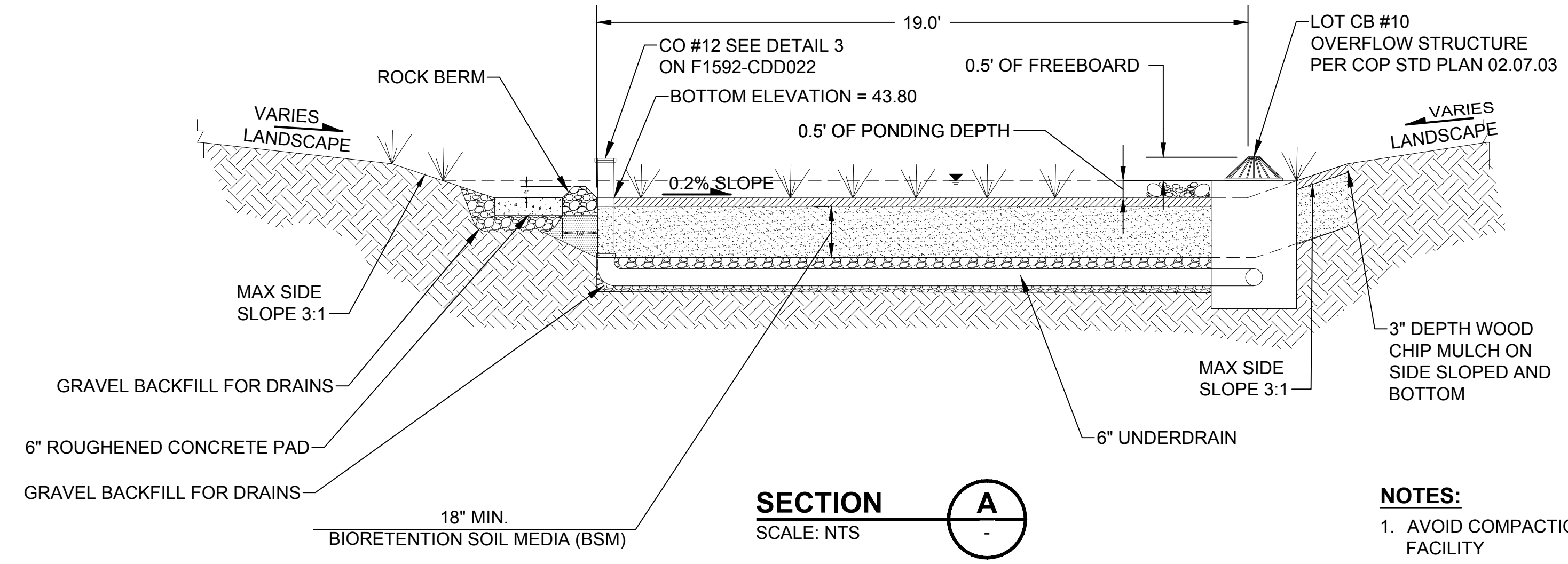


**WEST BIORETENTION UNIT (ENLARGED PLAN)** 1  
 SCALE: NTS F1592-CGP203



**EAST BIORETENTION UNIT (ENLARGED PLAN)** 2  
 SCALE: NTS F1592-CGP203

WEST BIORETENTION UNIT	
UPSTREAM BOTTOM ELEVATION = 43.80'	
NO.	STATION/OFFSET
1	LOT 26+69.50, 219.93' RT
2	LOT 26+70.87, 225.05' RT
3	LOT 26+49.62, 230.74' RT
4	LOT 26+44.57, 223.50' RT
EAST BIORETENTION UNIT	
UPSTREAM BOTTOM ELEVATION = 43.90'	
NO.	STATION/OFFSET
5	LOT 27+76.98, 191.02' RT
6	LOT 27+78.35, 196.14' RT
7	LOT 27+67.72, 198.98' RT
8	LOT 27+66.35, 193.86' RT



- NOTES:**
1. AVOID COMPACTION OF EXISTING SUBGRADE BELOW FACILITY
  2. SCARIFY SUBGRADE 3-INCHES MINIMUM BEFORE BIO-RETENTION SOIL MEDIA INSTALLATION.
  3. ROUGHENED CONCRETE PAD MUST BE CONSTRUCTED WITH COMMERCIAL CONCRETE. EMBED WELL TO MIXED 6"-8" STREAMBED AGGREGATE TO CREATE ROUGHNESS. 50% MIN OF THE SURFACE MUST HAVE PROTRUDING AGGREGATE.
  4. CONSTRUCT ROCK BERM WITH STREAMBED COBBLES, 6" ROCK MINIMUM.

**APPROVED**

BY: *[Signature]*

CITY OF PUYALLUP  
 DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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12/29/20 | 2:55 PM | MICHAEL V ZI1900001-1900991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CDD021.DWG

**CIVIL PERMIT RESUBMITTAL**

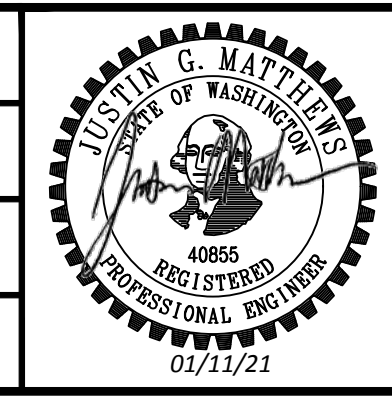
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN

DRAWN BY:  
J. CURTIS

CHECKED BY:  
J. MATTHEWS

APPROVED BY:  
J. MATTHEWS



LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>	<b>DP-2</b>
<b>SOUNDTRANSIT</b>	<b>SITework AND UTILITIES</b>
SCALE: NTS	FILENAME: S317-F1592-CDD021
CONTRACT No.: RTA/CN 0612-18	SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**

PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

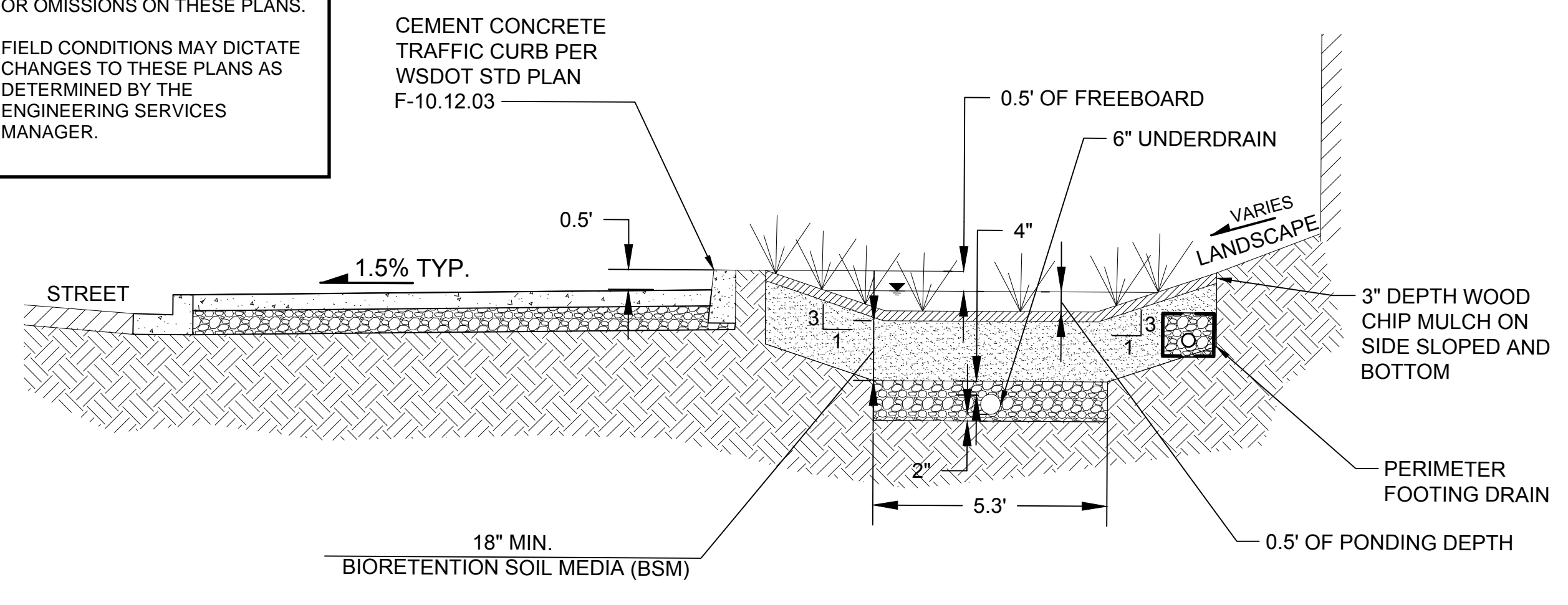
CIVIL DRAINAGE DETAILS

DRAWING No.:	<b>F1592-CDD021</b>
FACILITY ID:	F1592
SHEET No.:	REV: 26/81

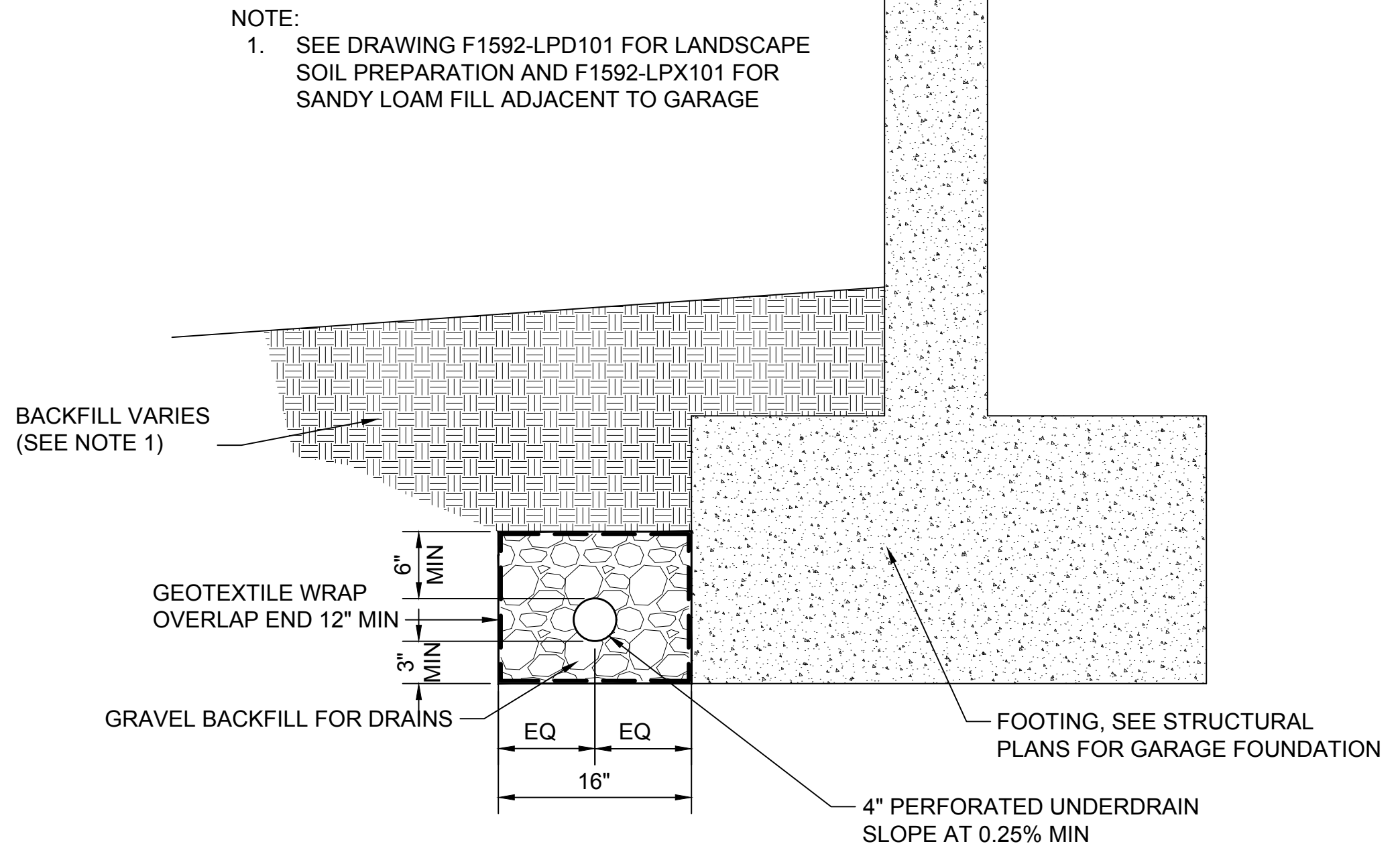


Xrefs:  
 GB-SEAL-JGM40855  
 xS317-F1592-CDP100  
 xS317-F1592-VRX100  
 xS317-F1592-CSP100  
 xGB-1B22x34

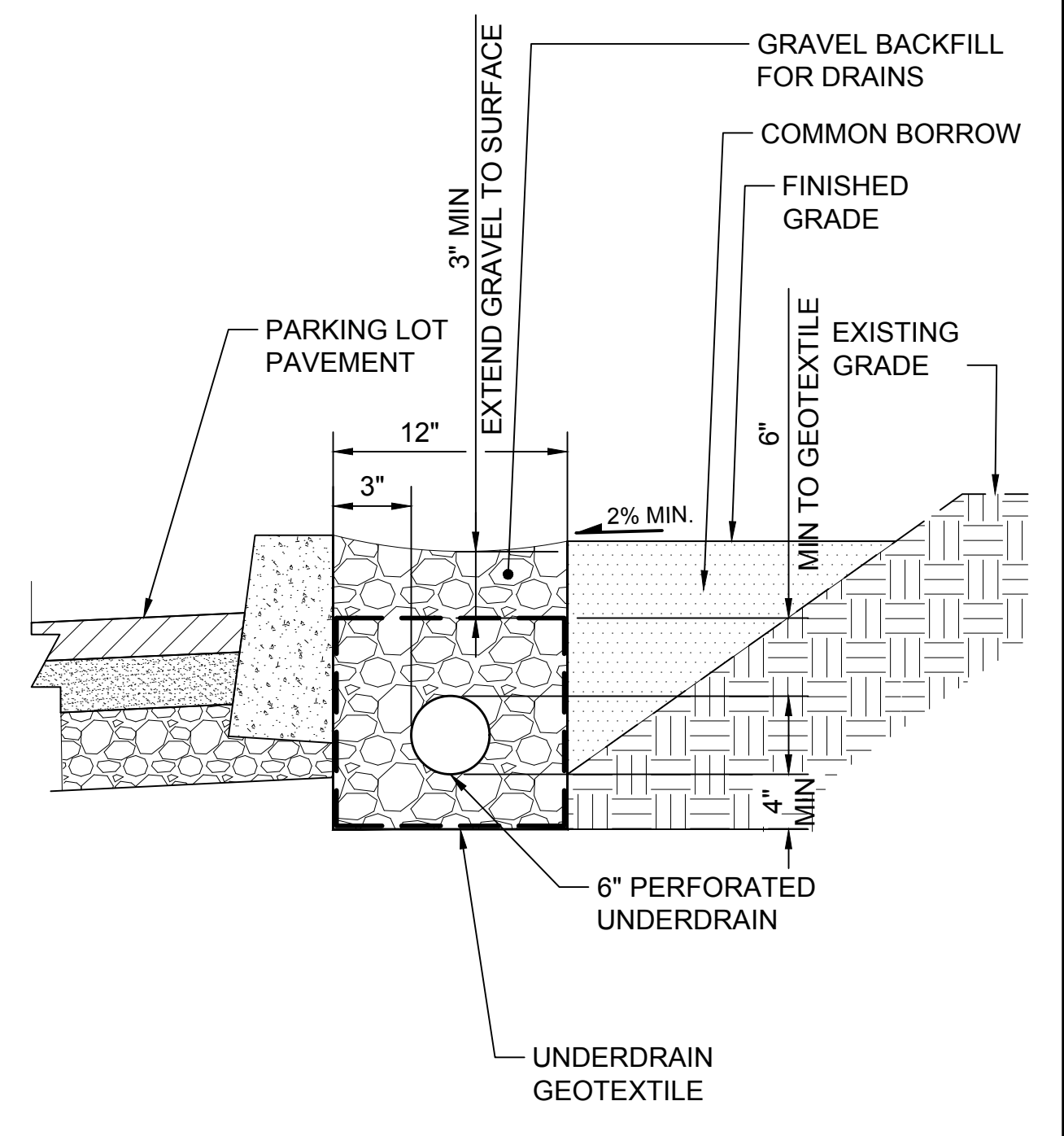
**APPROVED**  
 BY: *Joseph Bailey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID  
 AFTER 180 DAYS FROM APPROVAL  
 DATE.  
 THE CITY WILL NOT BE  
 RESPONSIBLE FOR ERRORS AND/  
 OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE  
 CHANGES TO THESE PLANS AS  
 DETERMINED BY THE  
 ENGINEERING SERVICES  
 MANAGER.



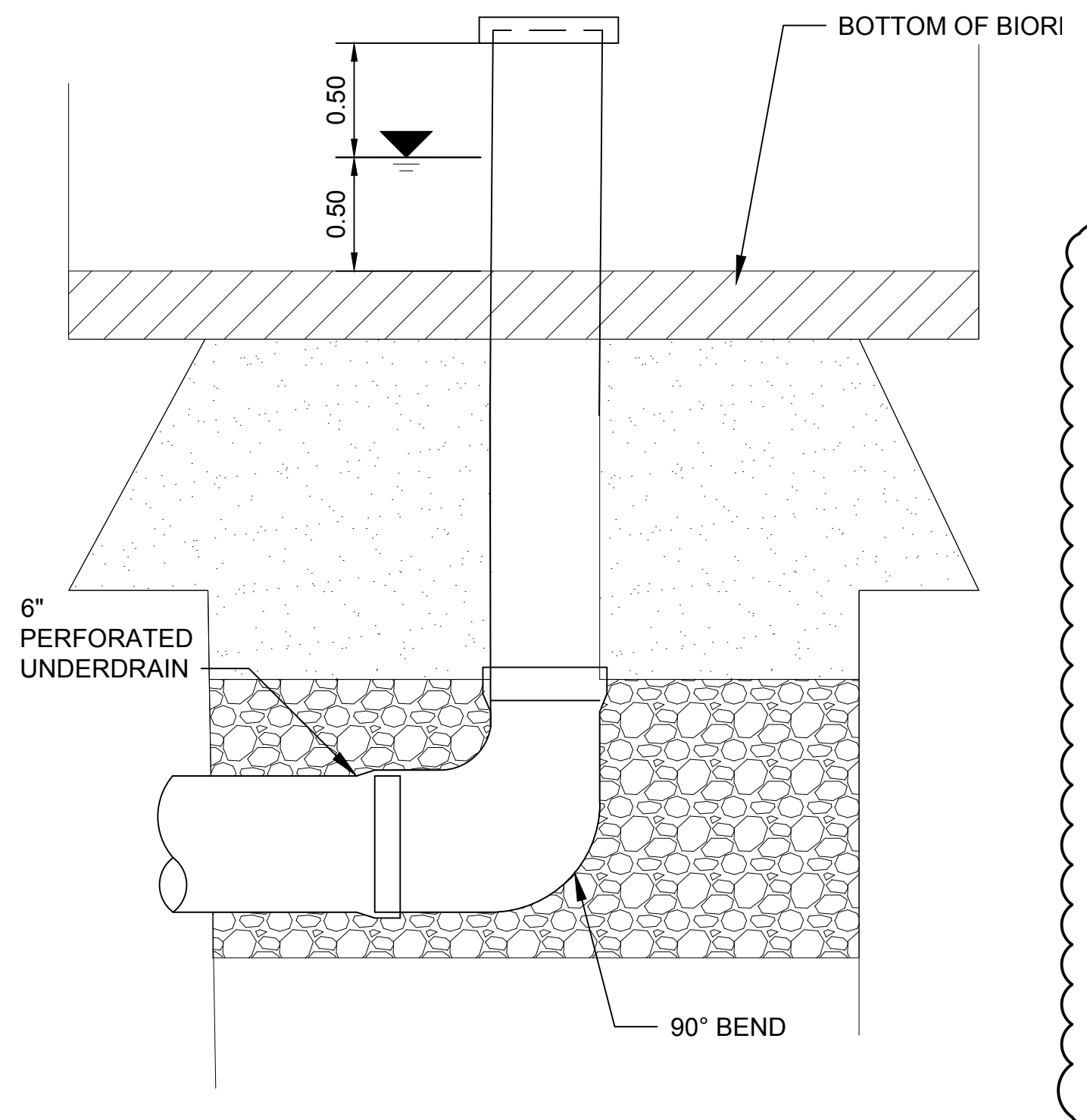
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 SCALE: NTS  
**C**  
 F1592-CDD021



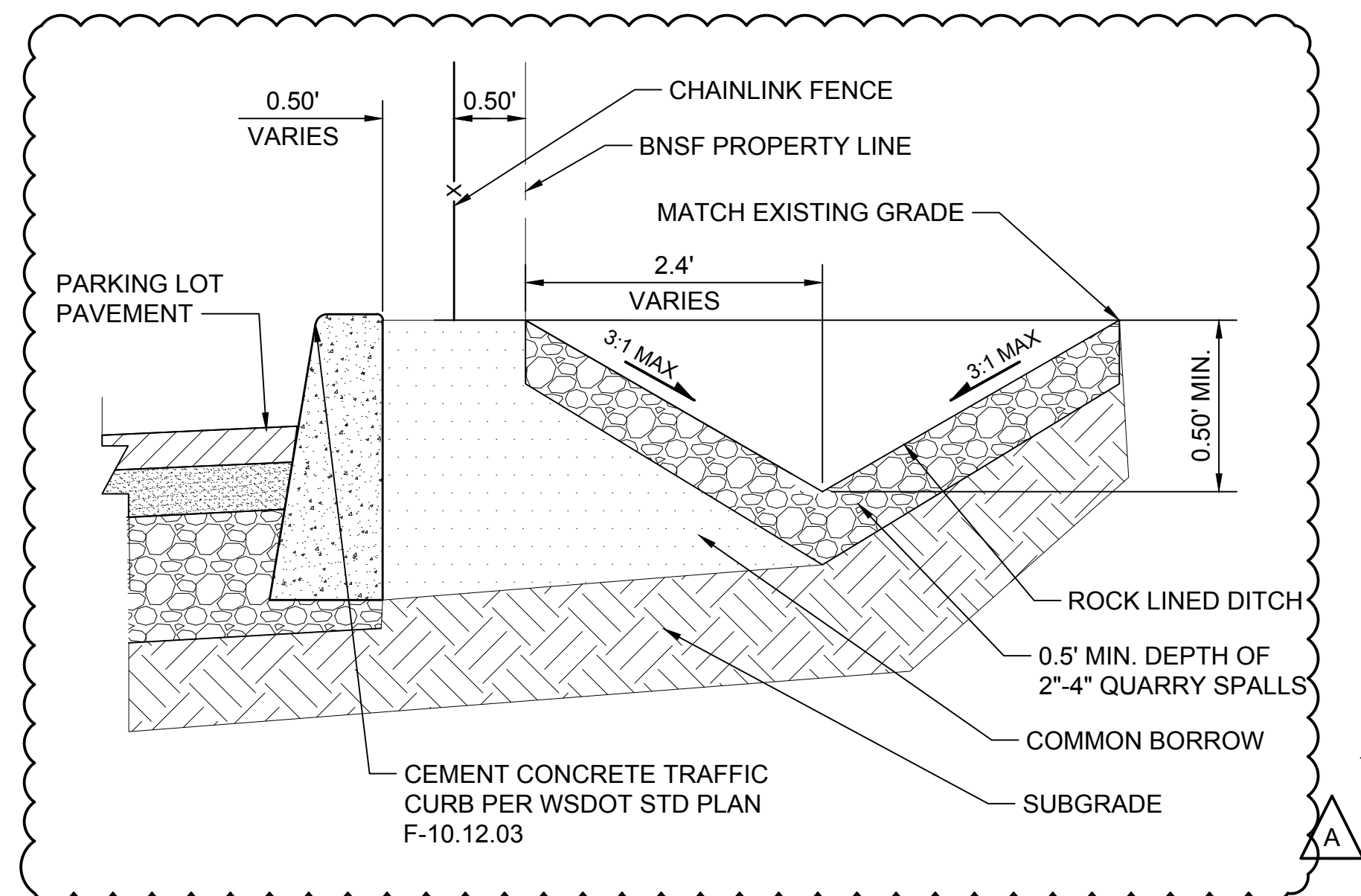
**PERIMETER FOOTING DRAIN**  
 SCALE: NTS  
**1**  
 F1592-CGP203



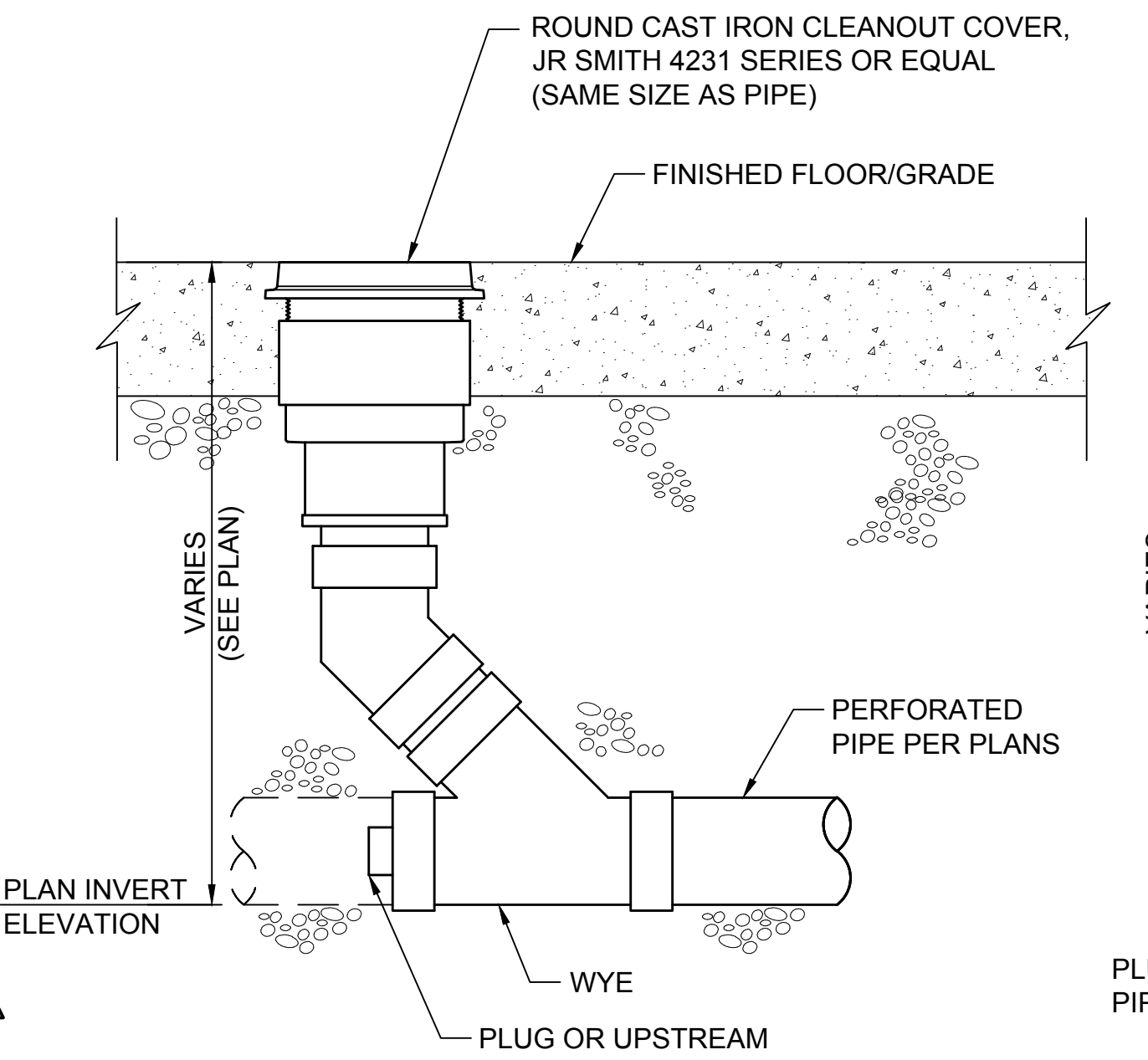
**FRENCH DRAIN**  
 SCALE: NTS  
**2**  
 F1592-CGP203



**BIORETENTION CLEANOUT**  
 SCALE: NTS  
**3**  
 F1592-CDD021



**DITCH DETAIL**  
 SCALE: NTS  
**4**  
 F1592-CGP203

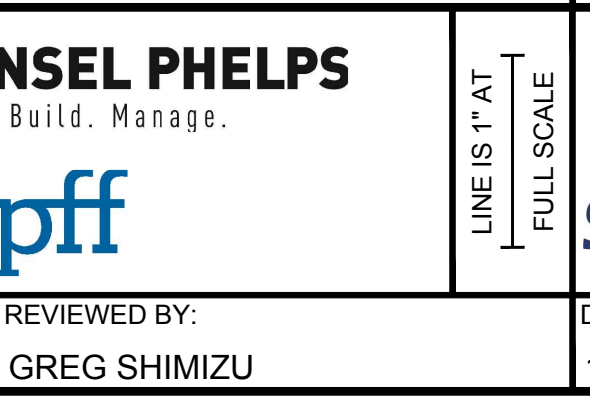
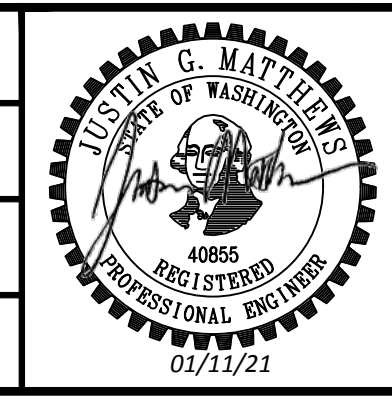


**CLEANOUT DETAIL**  
 SCALE: NTS  
**5**  
 F1592-CRP203

12/29/20 | 2:56 PM | MICHAEL V. ZIEMER | 19000991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CDD022.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
 S. GUJULUVA RAJAN  
 DRAWN BY:  
 M. VU  
 CHECKED BY:  
 J. MATTHEWS  
 APPROVED BY:  
 J. MATTHEWS



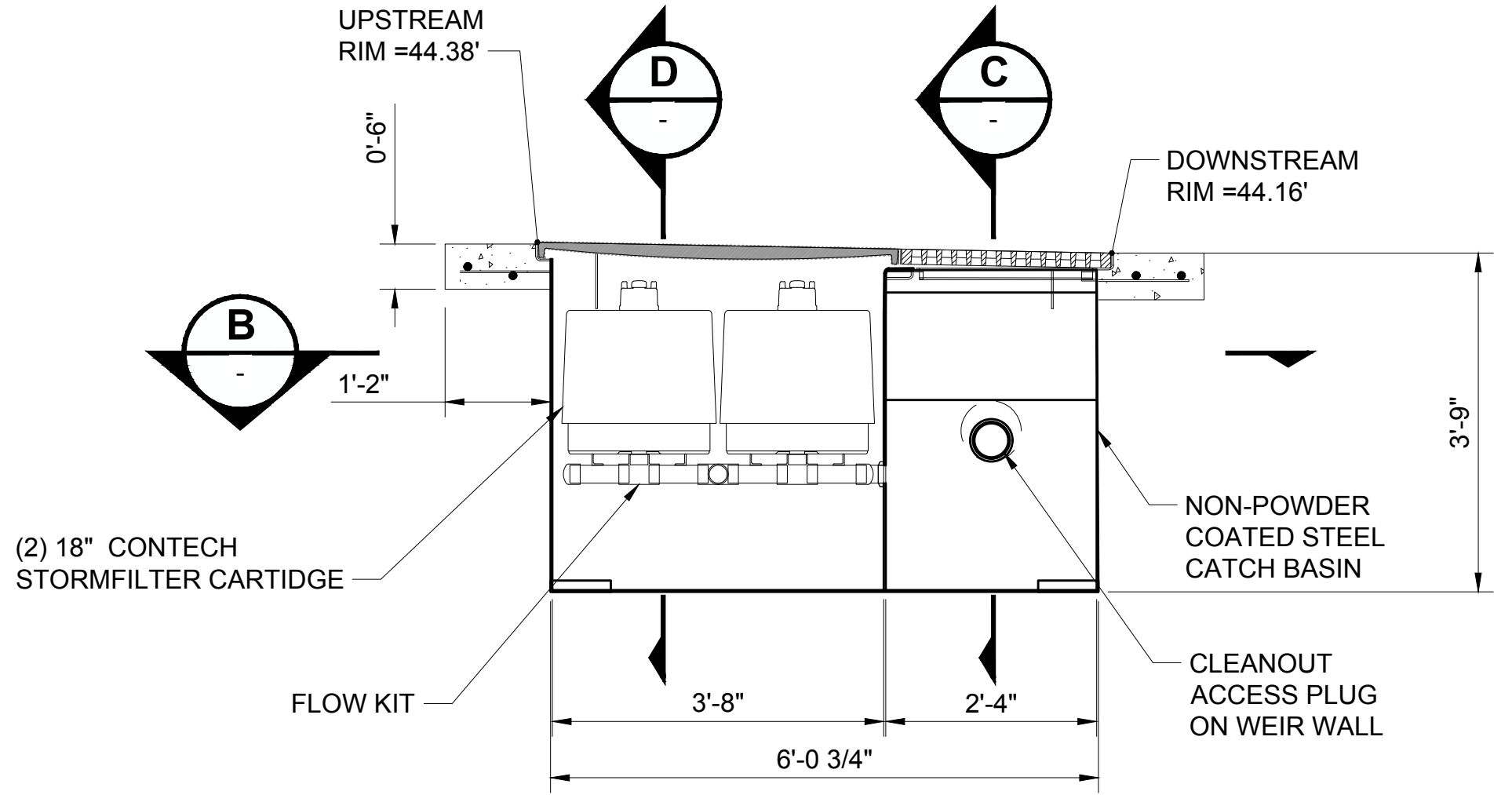
PACKAGE #	DP-2
SITework AND UTILITIES	
SCALE:	NTS
FILENAME:	S317-F1592-CDD022
CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 DRAINAGE DETAILS

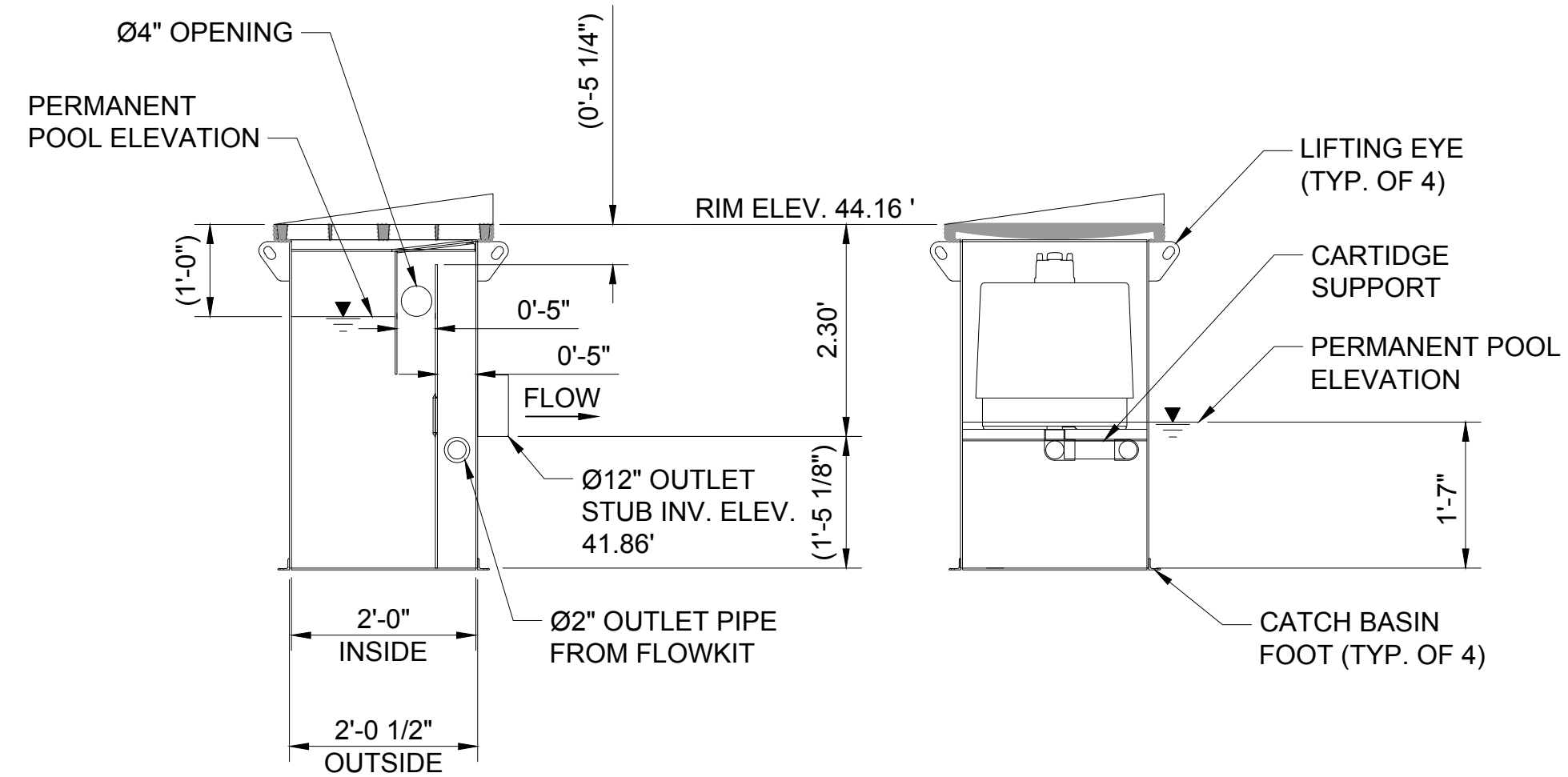
DRAWING No.:	F1592-CDD022
FACILITY ID:	F1592
SHEET No.:	REV: 27/81



Xrefs:  
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xGB-1B22x34



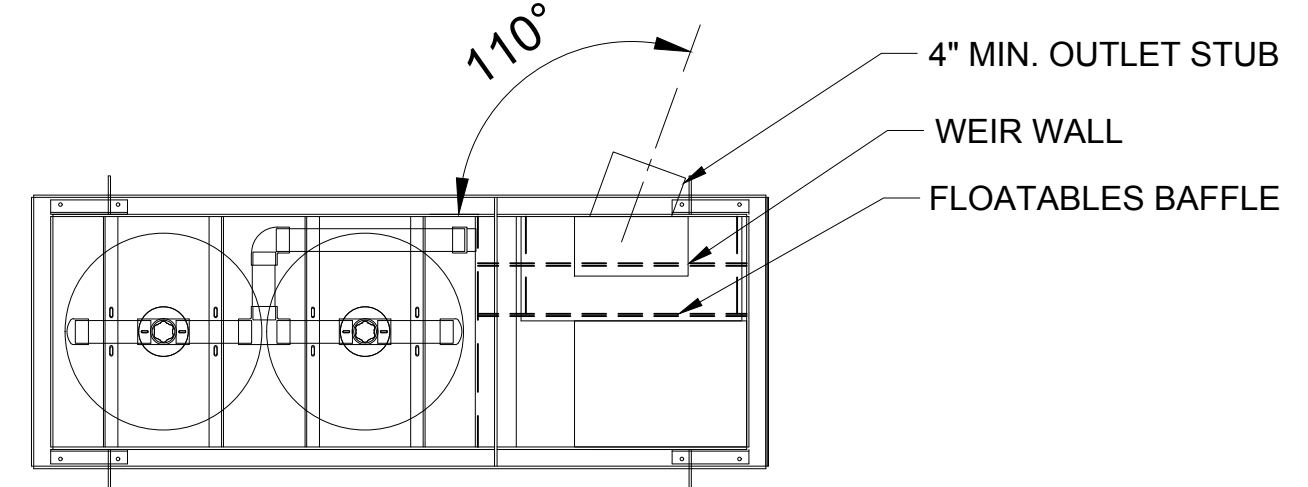
**SECTION A**  
SCALE: NTS



**SECTION C**  
SCALE: NTS

**SECTION D**  
SCALE: NTS

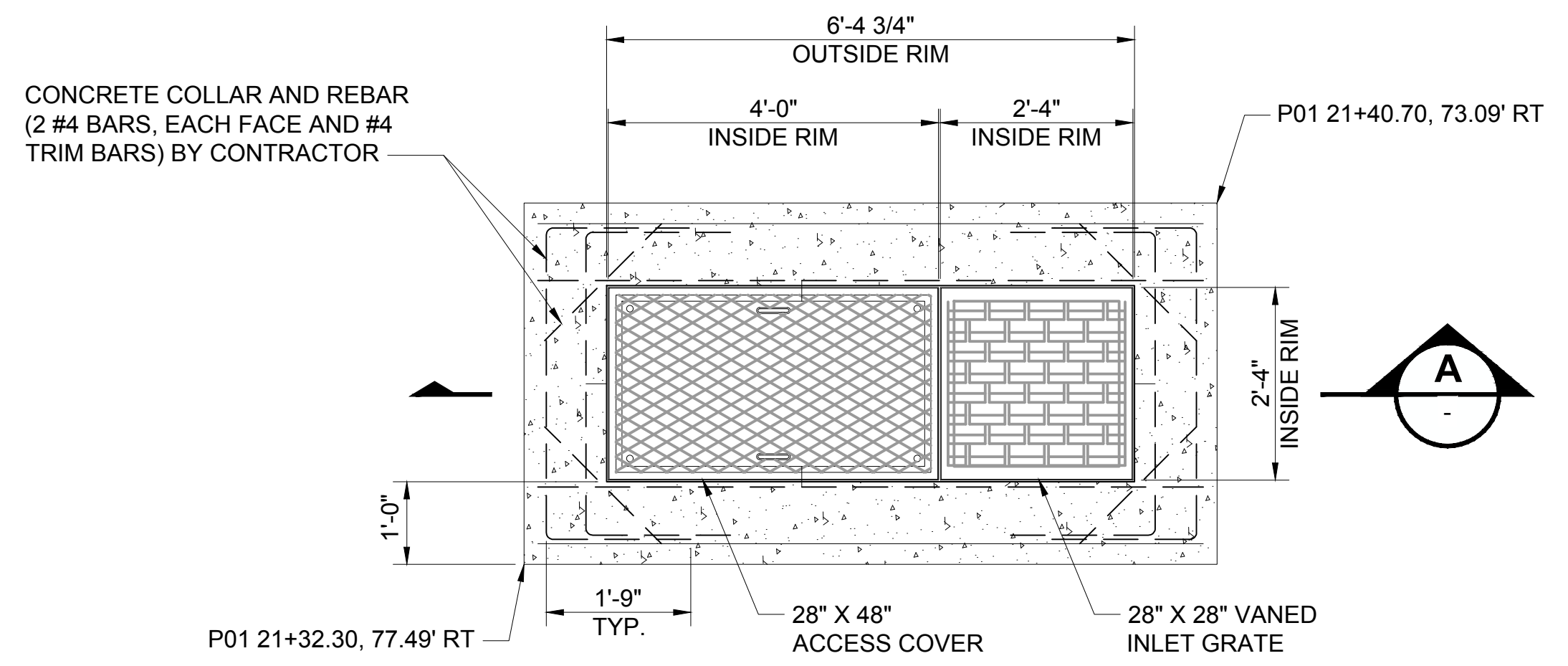
- NOTES:**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. WWW.CONTECHES.COM
  - STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  - STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO HS20 LOAD RATING. FOR HS20 LOAD RATING ON STRUCTURE, CONCRETE COLLAR IS REQUIRED AND TO BE PROVIDED BY CONTRACTOR.
  - MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



**SECTION B**  
SCALE: NTS

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
2	18" 7.5 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	FLOW KIT	CONTECH
1	NON-POWDER COATED STEEL CATCH BASIN	CONTECH
1	28" X 28" VANED INLET COVER	CONTRACTOR
1	28" X 48" ACCESS COVER	CONTRACTOR

SITE DATA	
WATER QUALITY FLOW RATE	0.02 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5GPM



**PLAN VIEW**

(CONTECH STORMFILTER - STEEL CATCH BASIN)  
**WATER QUALITY STRUCTURE (WQ-1)**

SCALE: NTS

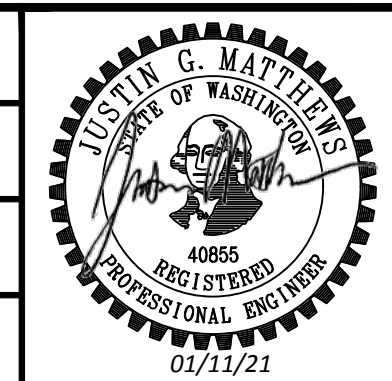
1  
F1592-CGP202

**APPROVED**  
BY *Joseph Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

12/29/20 | 2:56 PM | MICHAEL V Z:\1900001-190099\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD023.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
E. MENDEL  
APPROVED BY:  
J. MATTHEWS

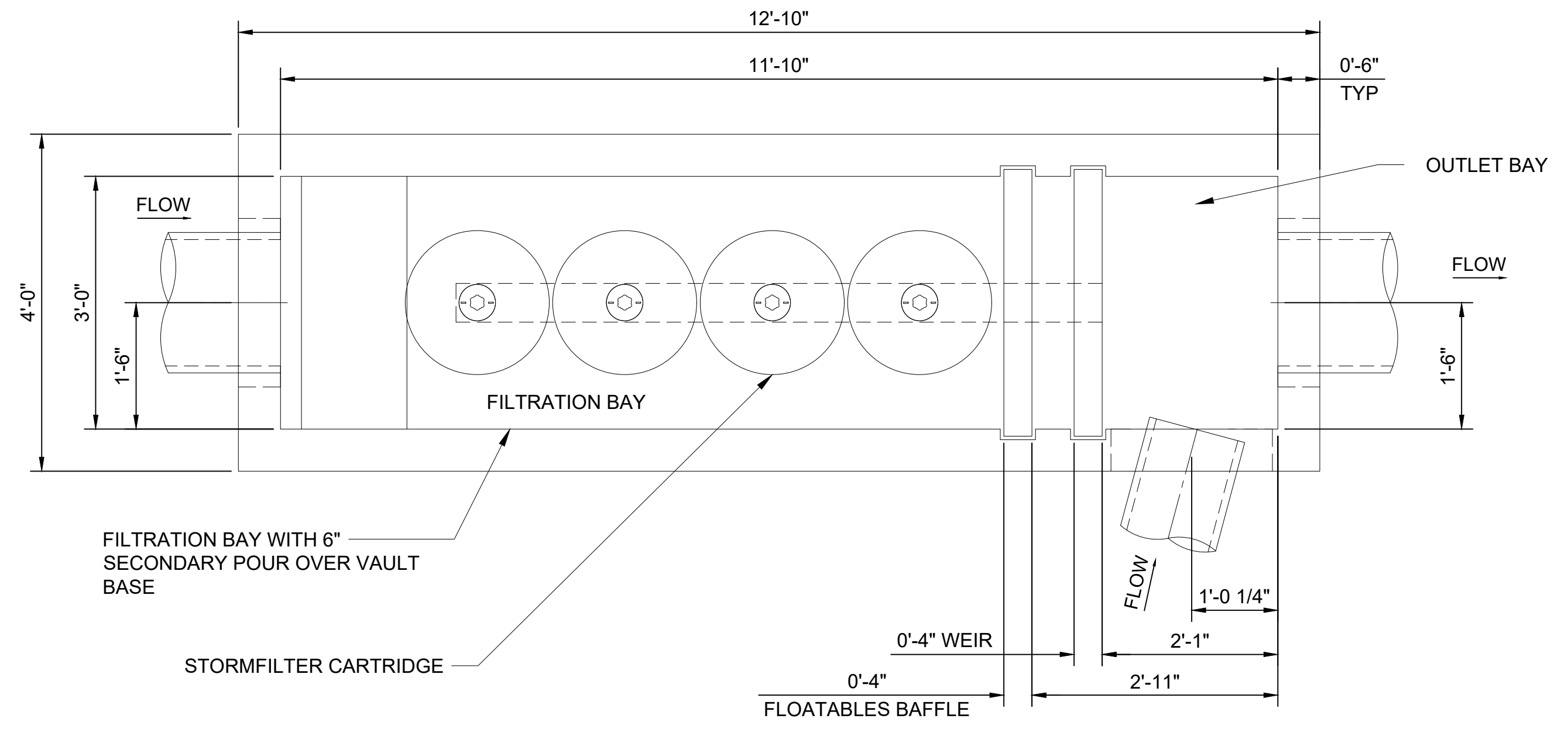
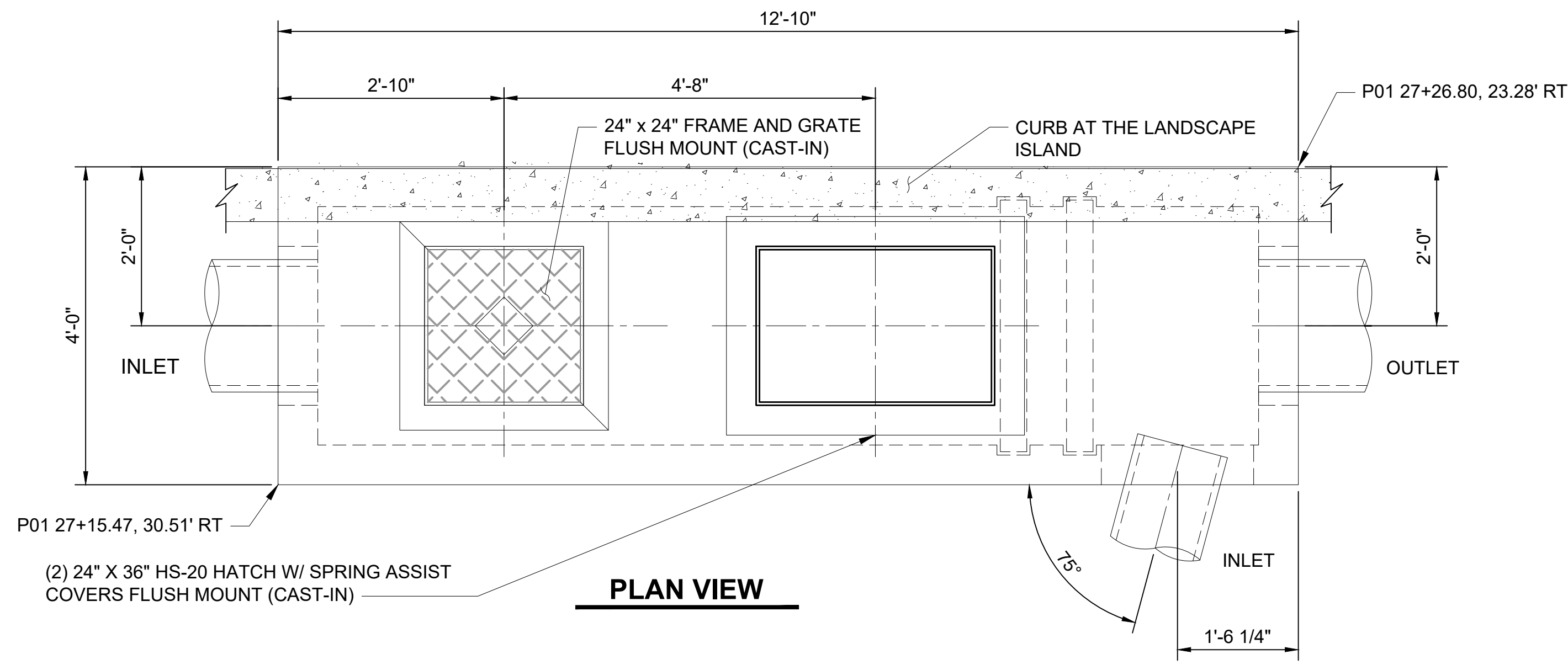


<b>PACKAGE #</b> DP-2	<b>SITWORK AND UTILITIES</b>	<b>DRAWING No.:</b> F1592-CDD023
<b>SCALE:</b> NTS	<b>FILENAME:</b> S317-F1592-CDD023	<b>FACILITY ID:</b> F1592
<b>CONTRACT No.:</b> RTA/CN 0612-18	<b>SUBMITTAL DATE:</b> 12/04/2020	<b>SHEET No.:</b> REV: 28/81
<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>		
<b>CIVIL DRAINAGE DETAILS</b>		

No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION



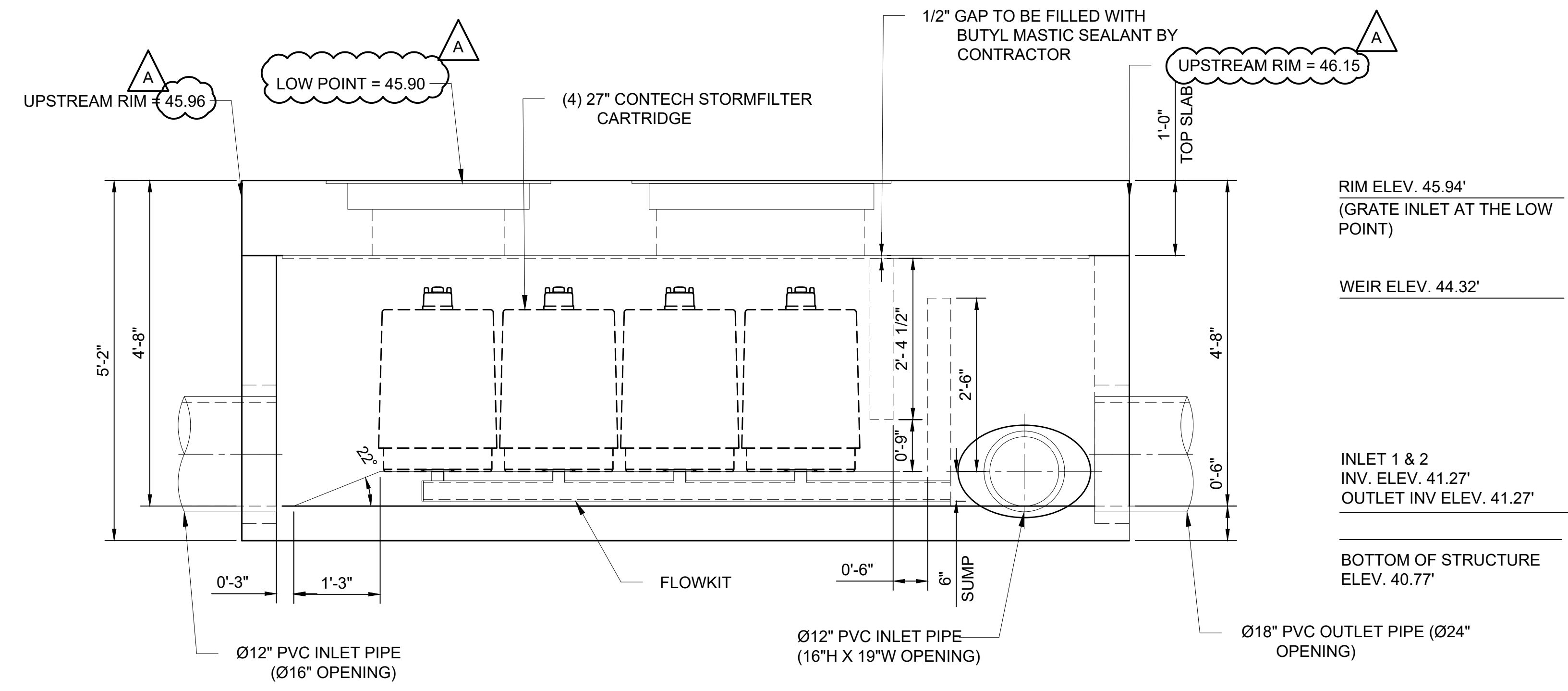
Xrefs:  
GB-SEAL-JGM40855  
xGB-TB22x34



(CONTECH STORMFILTER - LINEAR VAULT)  
**WATER QUALITY STRUCTURE (WQ-2)**  
SCALE: NTS

**PLAN VIEW**  
(TOP SLAB NOT SHOWN)

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
4	27", 7.50 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	FLOW KIT (LN4)	CONTECH
1	JOINT SEALANT (BY PRECASTER)	CONTRACTOR
2	24"x36"x5" HS-20 HATHC, EJ #00821221B02 (CAST IN)	CONTECH



SITE DATA	
WATER QUALITY FLOW RATE	0.09 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	11.3 GPM

**ELEVATION VIEW**

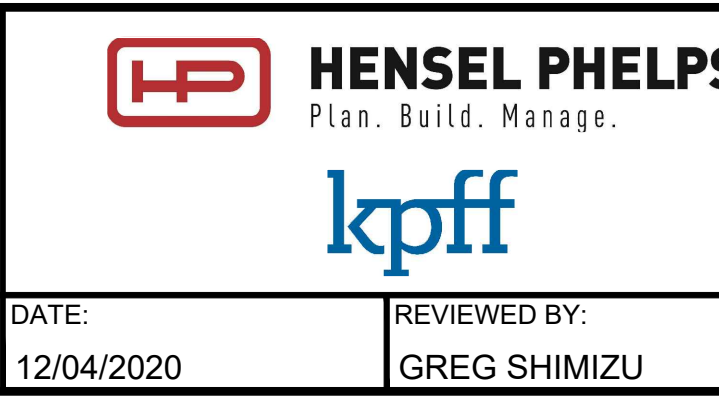
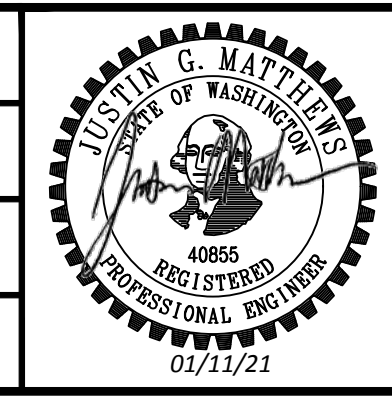
- NOTES:**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. WWW.CONTECHES.COM
  - STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO
  - STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857, ASTM C-918 AND ACI-318 LOAD FACTOR DESIGN METHOD.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

**APPROVED**  
BY *Justin G. Matthews*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

01/05/21 | 10:36 AM | MICHAEL V. Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD024.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS



LINE IS 1" AT FULL SCALE

PACKAGE #	DP-2	SITework AND UTILITIES
SCALE:	NTS	
FILENAME:	S317-F1592-CDD024	
CONTRACT No.:	RTA/CN 0612-18	
SUBMITTAL DATE:	12/04/2020	

<b>PUYALLUP STATION PARKING</b> <b>CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS CIVIL DRAINAGE DETAILS	
DRAWING No.:	F1592-CDD024
FACILITY ID:	F1592
SHEET No.:	29/81

DATE:	12/04/2020
REVIEWED BY:	GREG SHIMIZU

No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

SUBMITTED BY:  
SARA ROBERTS

DATE:  
12/04/2020

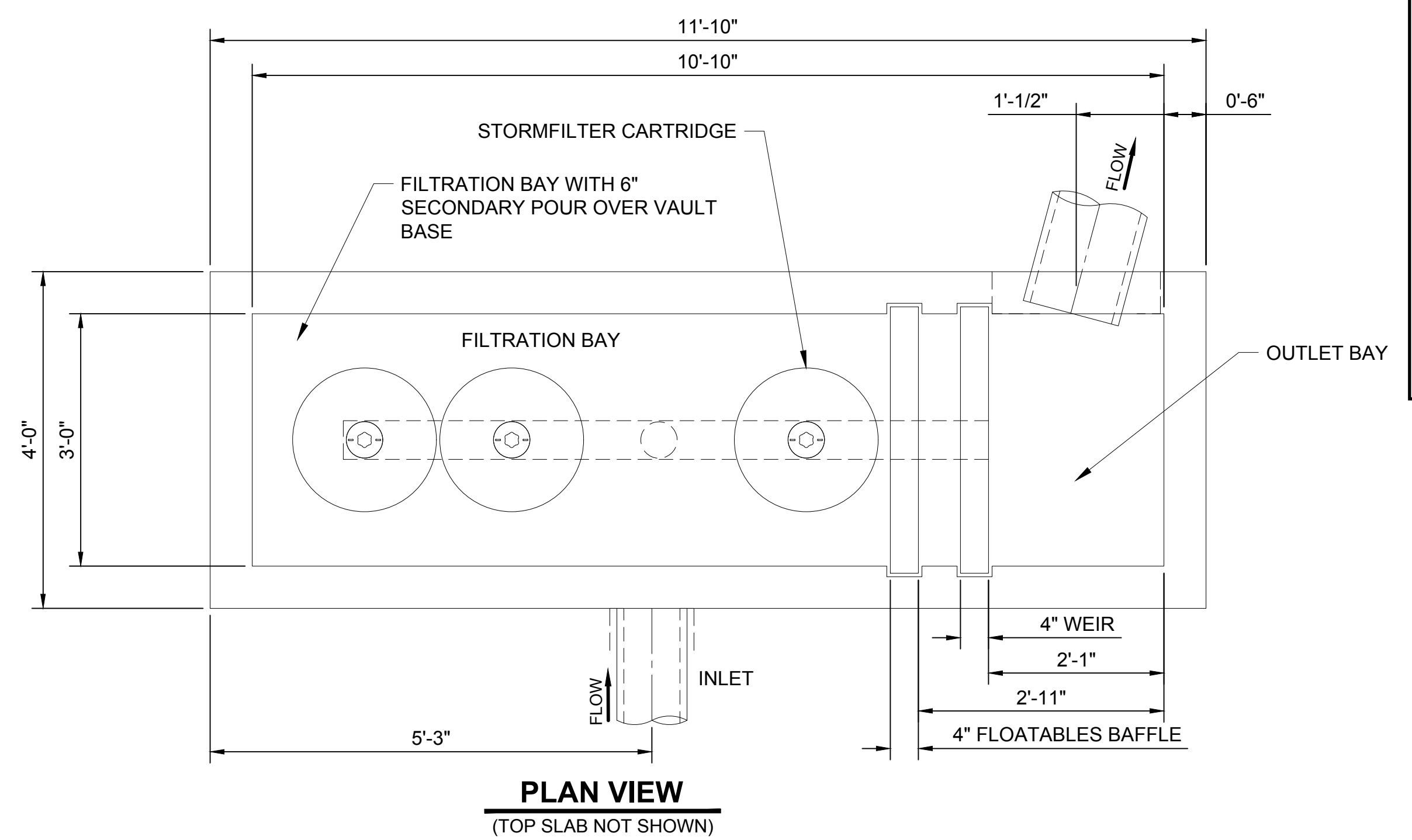
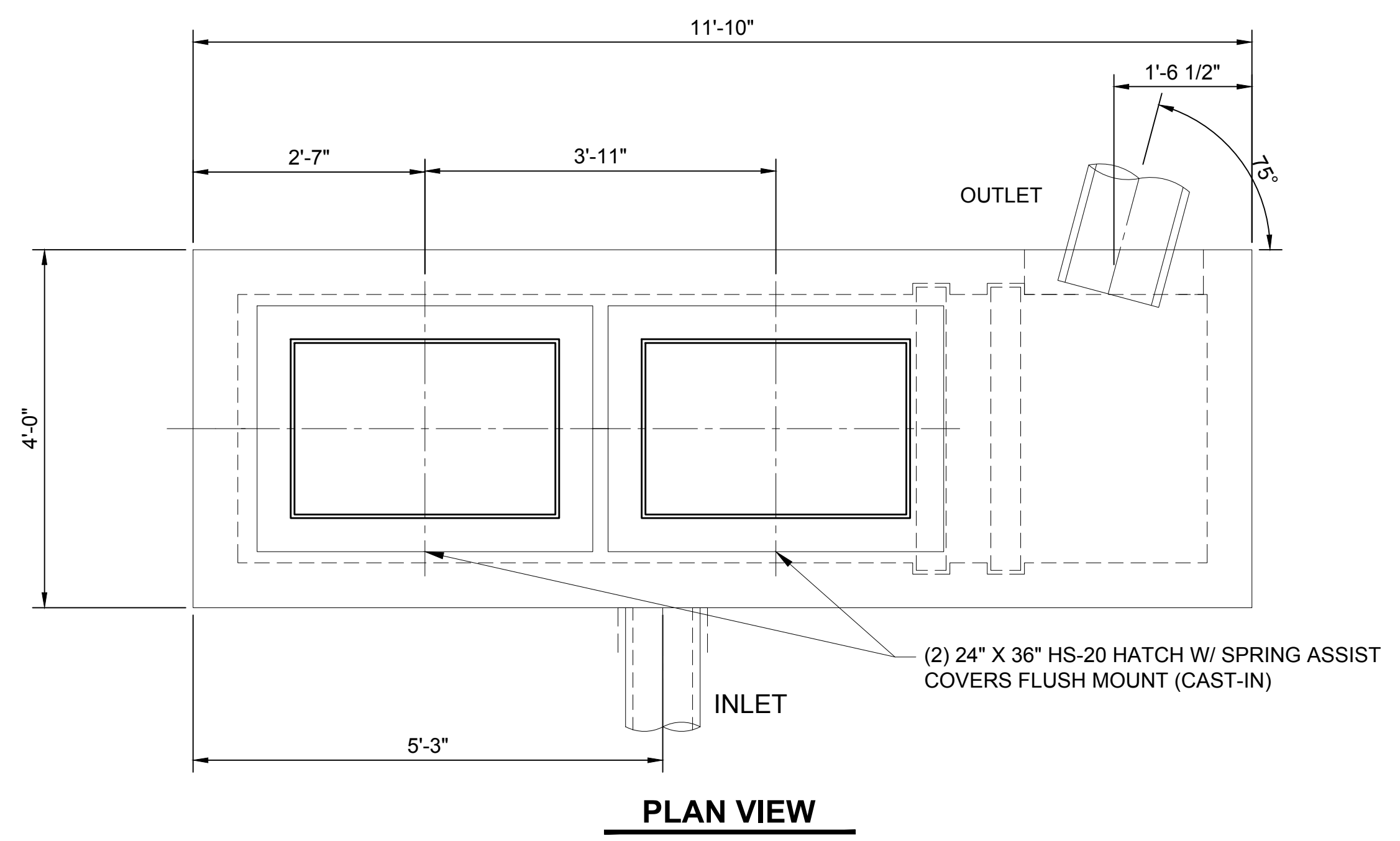
REVIEWED BY:  
GREG SHIMIZU

DATE:  
12/04/2020

DATE:  
12/04/2020



Xrefs:  
GB-SEAL-JGM40855  
xGB-TB22x34



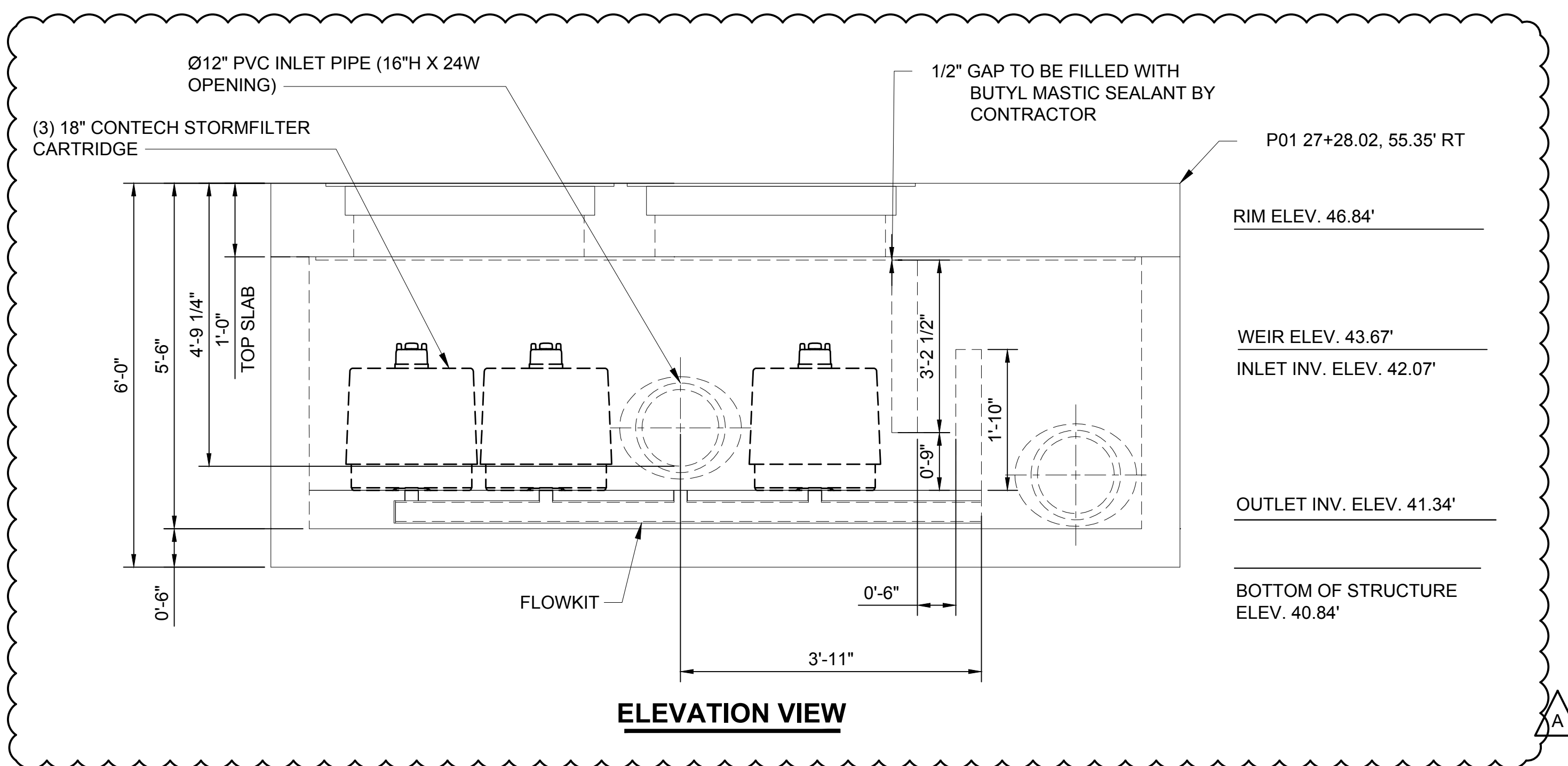
**APPROVED**  
BY *Paul Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID  
AFTER 180 DAYS FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS AND/  
OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
ENGINEERING SERVICES  
MANAGER.

(CONTECH STORMFILTER - LINEAR VAULT)  
**WATER QUALITY STRUCTURE (WQ-3)**  
SCALE: NTS



MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
3	18", 7.50 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	2"Ø PVC SLIP PLUG	CONTECH
1	FLOW KIT (LN4)	CONTECH
1	JOINT SEALANT (BY PRECASTER)	CONTRACTOR
2	24"X36"X5" HS-20 HATHC, EJ #00821221B02 (CAST IN)	CONTECH

SITE DATA	
WATER QUALITY FLOW RATE	0.04 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5 GPM

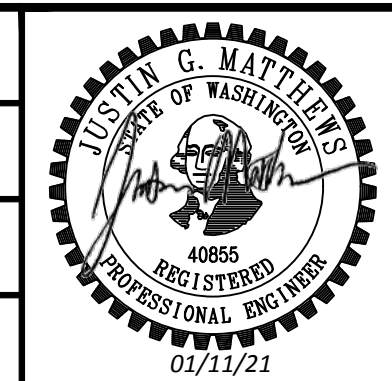


- NOTES:**
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  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  - STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO
  - STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857, ASTM C-918 AND ACI-318 LOAD FACTOR DESIGN METHOD.
  - CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

12/29/20 | 2:56 PM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD025.DWG

**CIVIL PERMIT RESUBMITTAL**

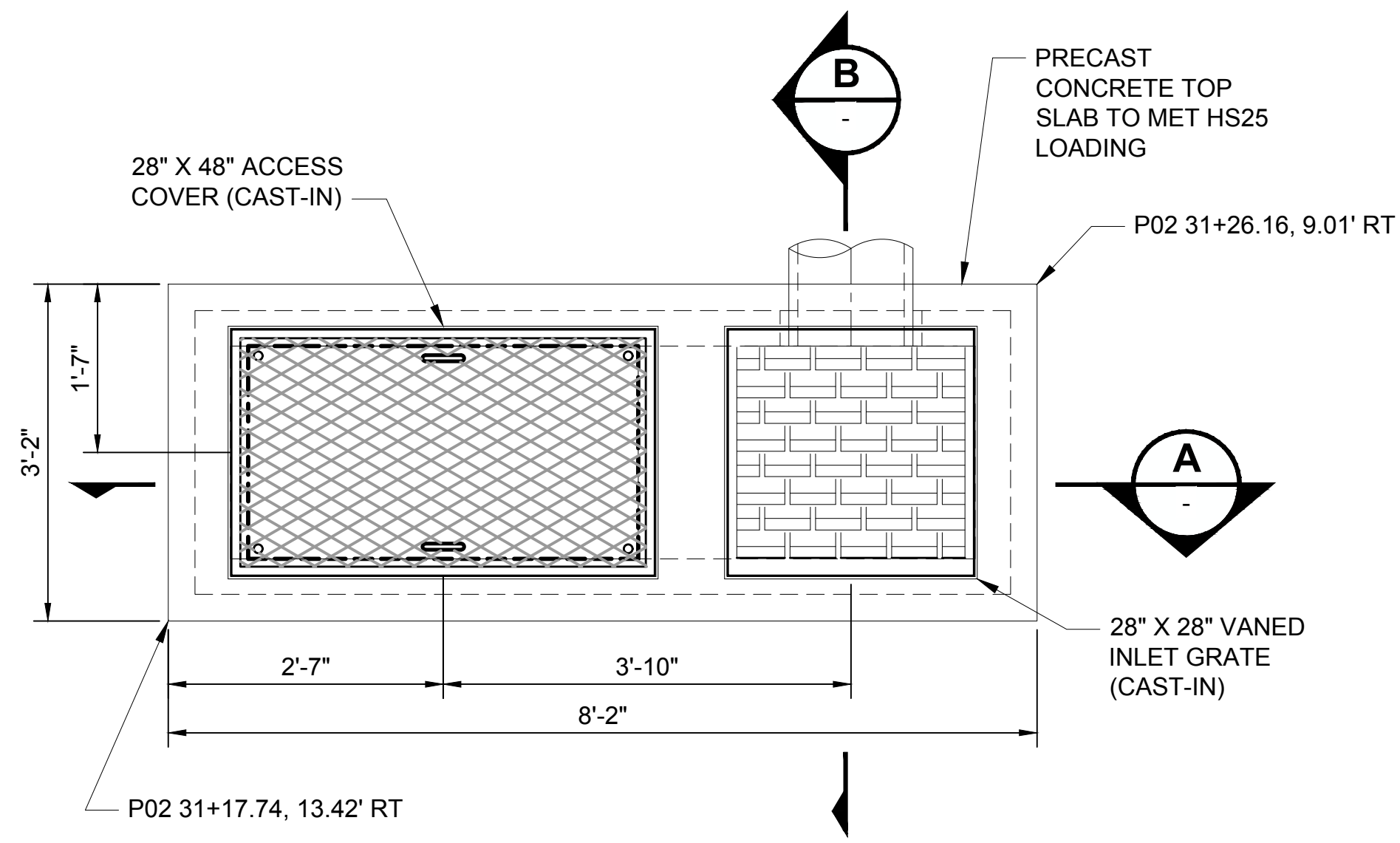
DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS



PACKAGE #	DP-2	SITWORK AND UTILITIES	
SCALE:	NTS		<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  CIVIL DRAINAGE DETAILS
FILENAME:	S317-F1592-CDD025		
CONTRACT No.:	RTA/CN 0612-18		
DATE:	12/04/2020	DATE:	12/04/2020
REVIEWED BY:	GREG SHIMIZU	SUBMITTAL DATE:	12/04/2020
SUBMITTED BY:	SARA ROBERTS	DRAWING No.:	F1592-CDD025
DATE:	12/04/2020	FACILITY ID:	F1592
		SHEET No.:	REV: 30/81

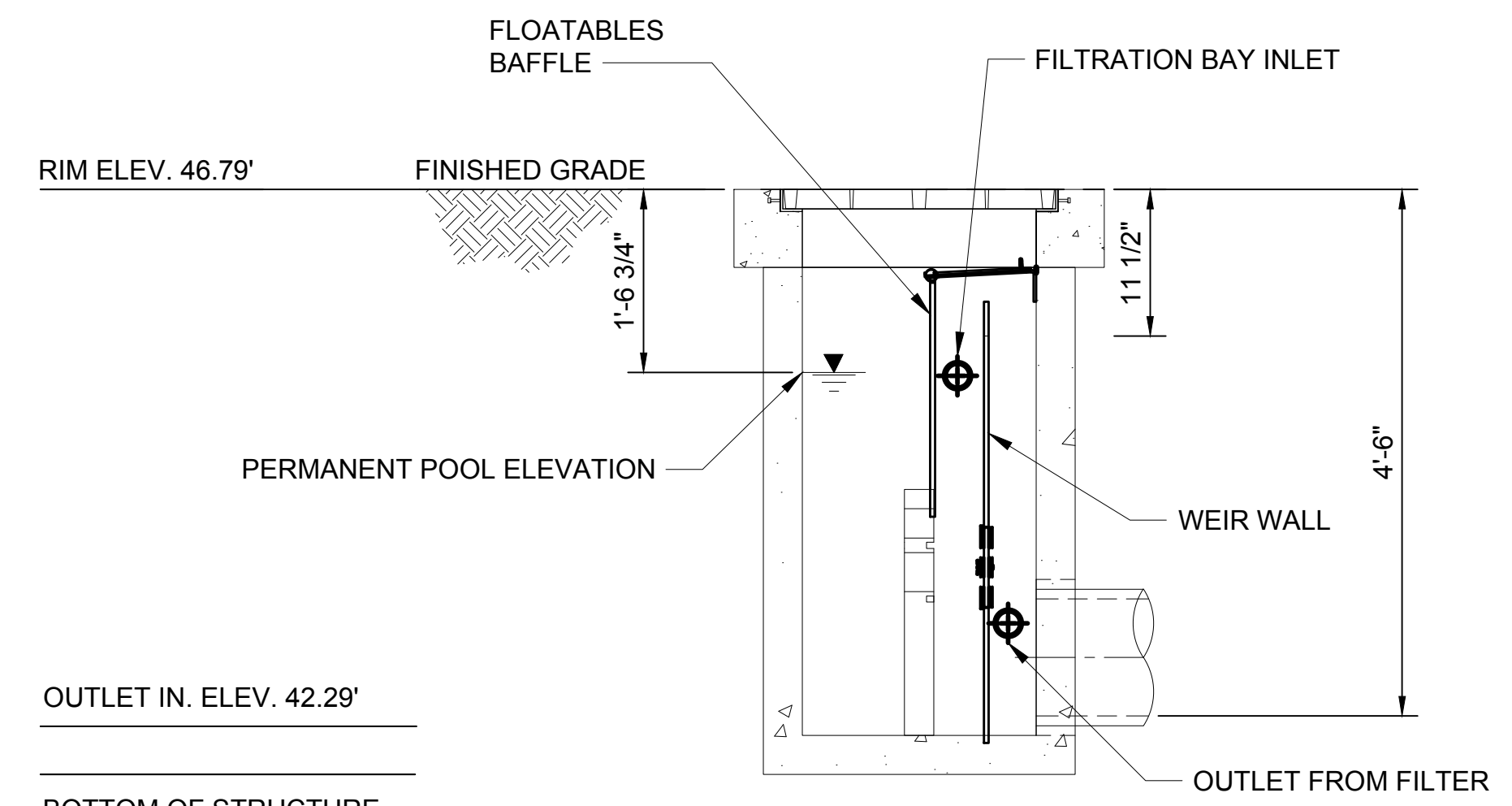


Xrefs:  
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xGB-1B22x34



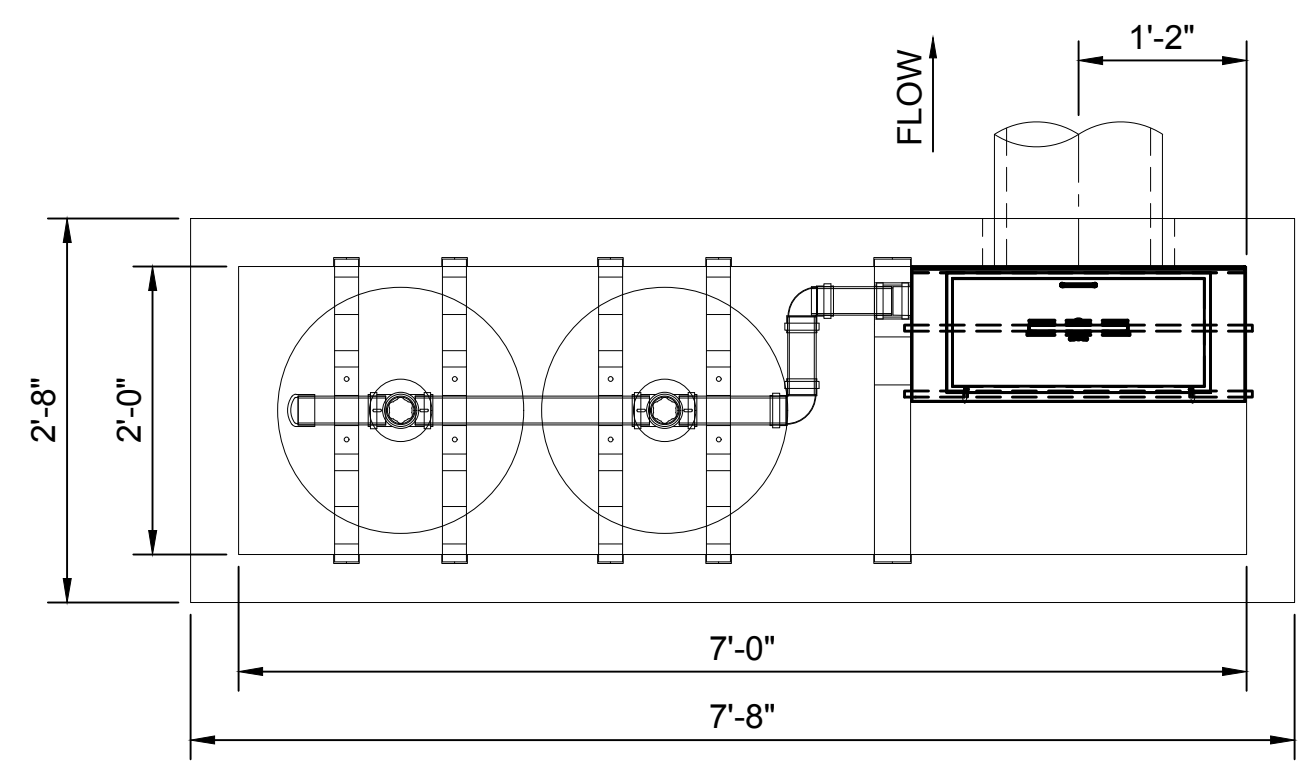
**PLAN VIEW**

(CONTECH STORMFILTER - CONCRETE CATCH BASIN)  
**WATER QUALITY STRUCTURE (WQ-4)**  
SCALE: NTS F1592-CGP203



**SECTION B**  
SCALE: NTS

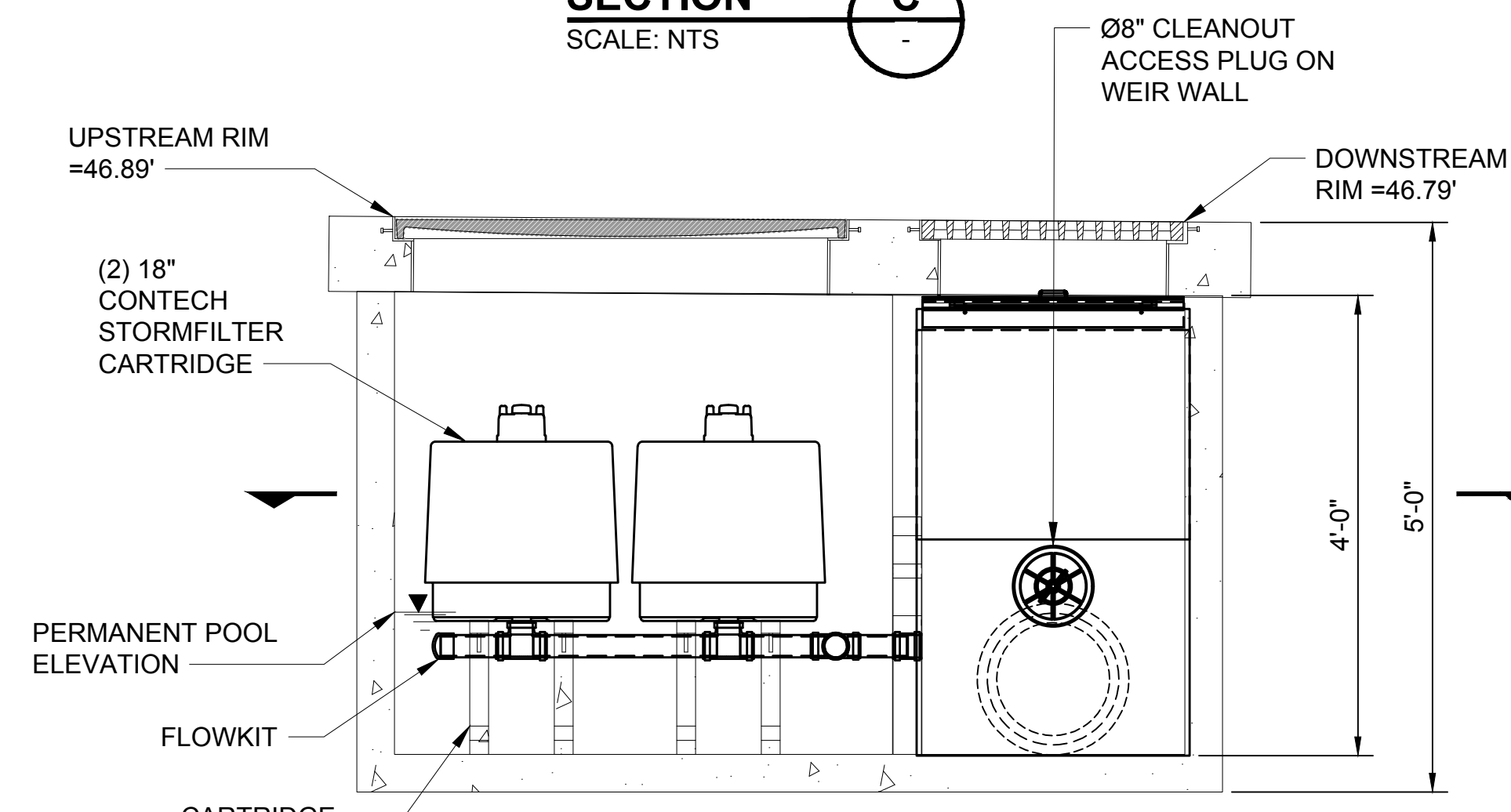
- NOTES:**
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  3. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  4. STRUCTURE SHALL MEET AASHTO HS25 LOAD RATING, ASSUMING EARTH COVER OF 0'-5" AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
  5. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857 AND AASHTO LOAD FACTOR DESIGN METHOD.
  6. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
  7. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



**SECTION C**  
SCALE: NTS

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
2	18" 7.5 GPM, ZPG, CARTRIDGE	CONTECH
2	RESTRICTOR DISK (BLU), 7.5 GPM.	CONTECH
0	2" PVC SLIP PLUG	CONTECH
1	FLOWKIT	CONTECH
1	Ø8" CLEAN OUT ACCESS PLUG	CONTECH
1	FLOATABLES BAFFLE	CONTECH
1	WEIR WALL	CONTECH
1	27 3/4" X 27 3/4" FRAME AND VANED GRATE D&L I-1364	CONTRACTOR
1	28" X 28" FRAME AND COVER D&L L-1364	CONTRACTOR
4	25 1/4" X 2" X 11 1/4" CARTRIDGE SUPPORT (2 PER)	CONTECH
1	JOINT SEALANT	CONTRACTOR

SITE DATA	
WATER QUALITY FLOW RATE	0.02 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5GPM



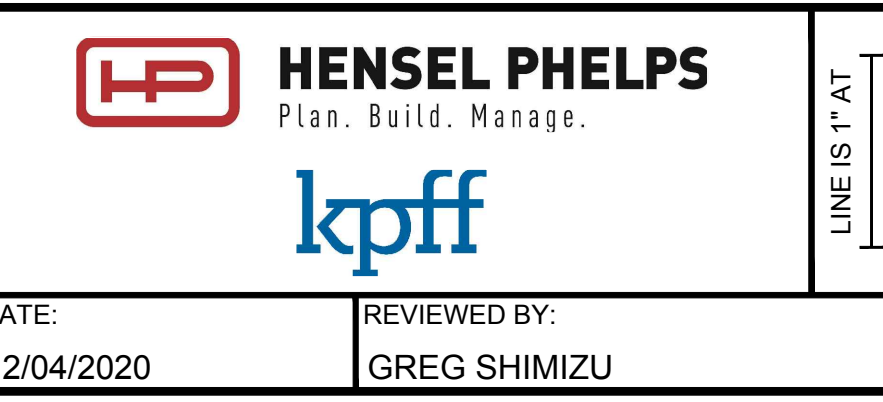
**SECTION A**  
SCALE: NTS

**APPROVED**  
BY *Justine Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

12/29/20 | 2:56 PM | MICHAEL V. Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD026.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS



PACKAGE #	DP-2	SITWORK AND UTILITIES	
		<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS CIVIL DRAINAGE DETAILS	
		DRAWING No.: <b>F1592-CDD026</b>	FACILITY ID: F1592
		SHEET No.: <b>31/81</b>	REV:

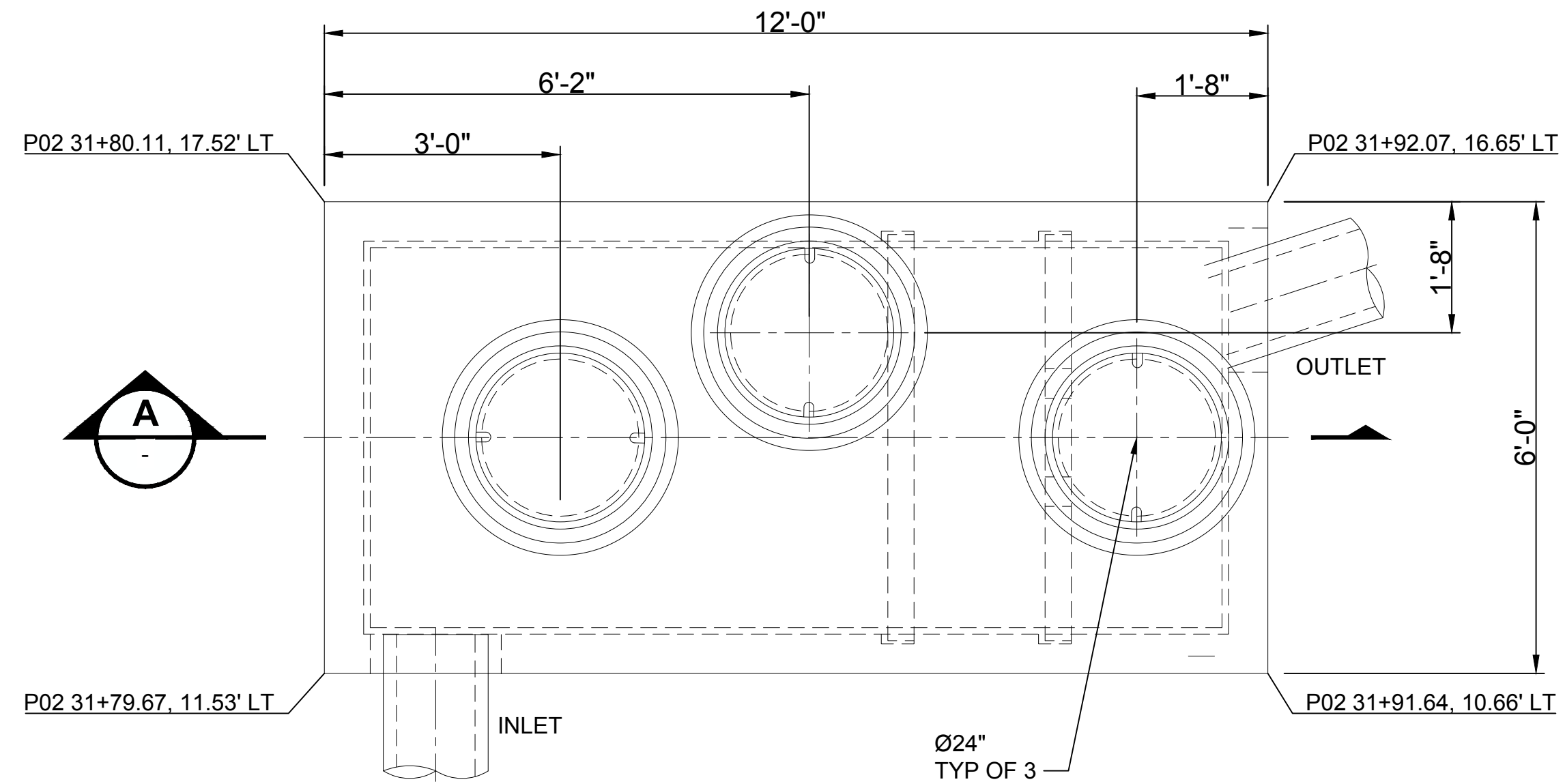
No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

SUBMITTED BY: SARA ROBERTS  
DATE: 12/04/2020  
REVIEWED BY: GREG SHIMIZU

DATE: 12/04/2020  
SUBMITTAL DATE: 12/04/2020



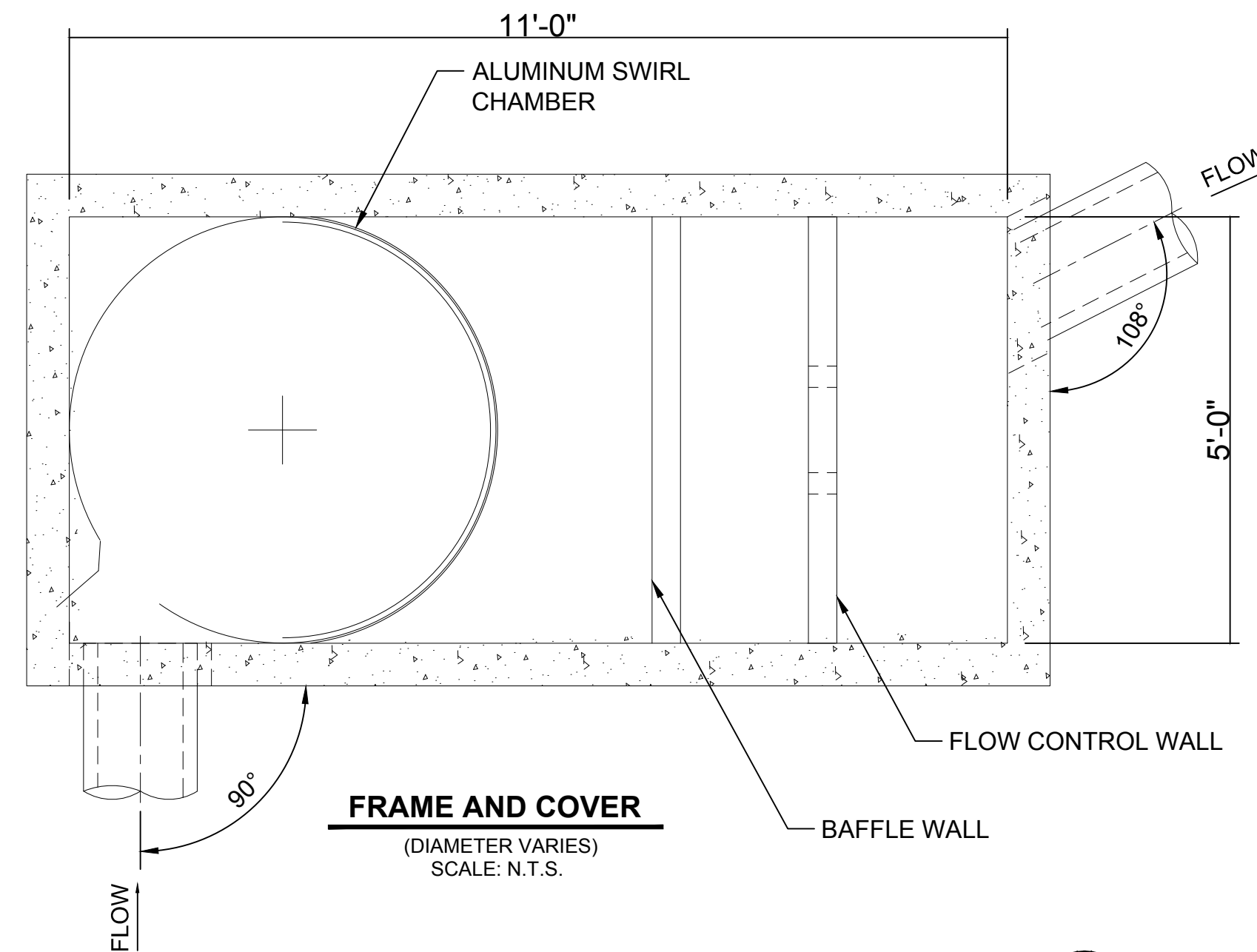
Xrefs:  
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xGB-TB22x34



**VORTECHS VAULT**

SCALE: NTS

1  
F1592-CGP204



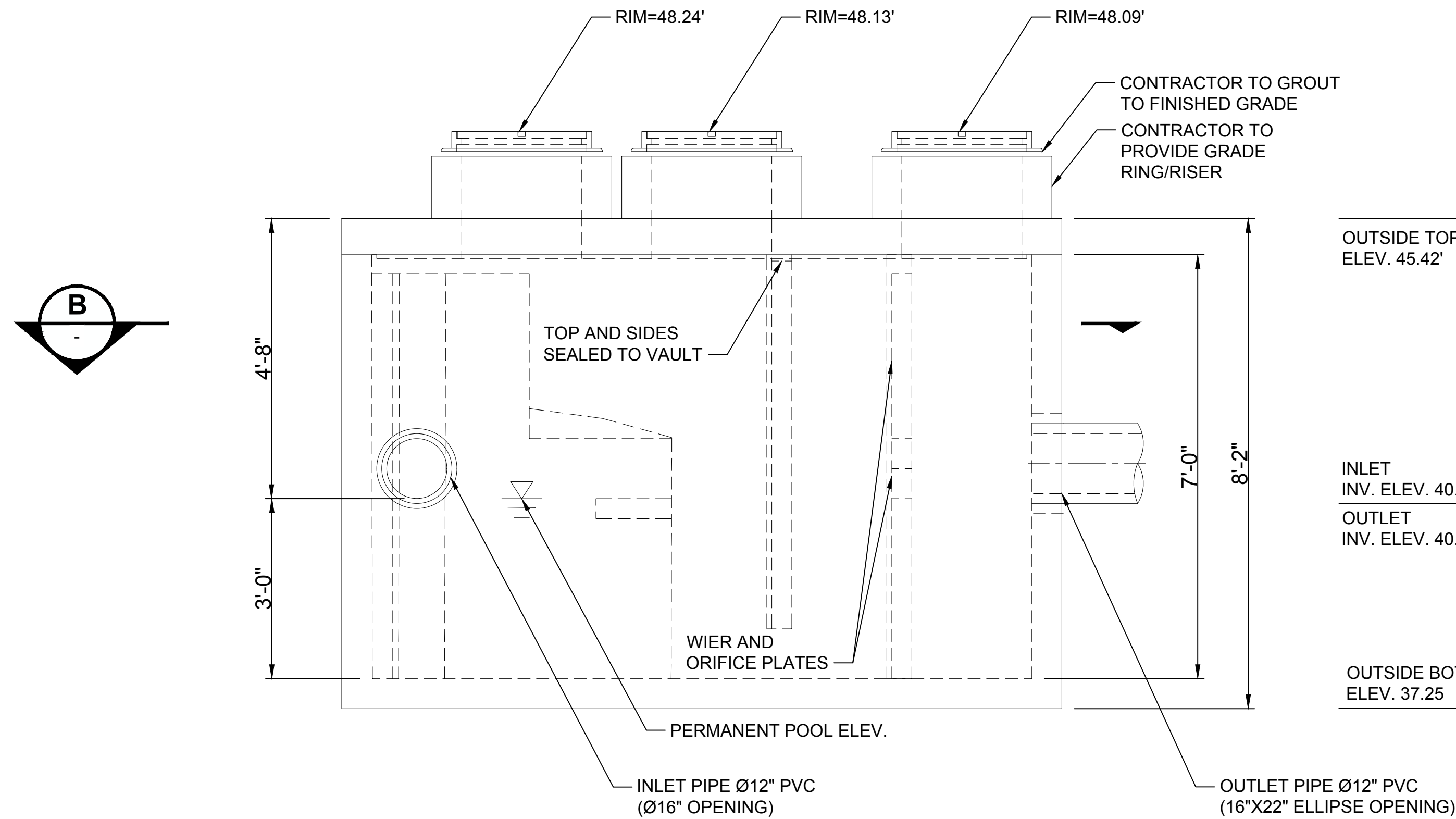
**SECTION**

SCALE: NTS

B

- NOTES:**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
  - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. [www.ContechES.com](http://www.ContechES.com)
  - VORTECHS WATER QUALITY VAULT SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM THAT STRUCTURE MEETS REQUIREMENTS OF PROJECT.
  - STRUCTURE SHALL MEET HS-20 LOAD RATING ASSUMING EARTH COVER OF 0'-5", AND GROUNDWATER ELEVATION AT OR BELOW 3'-0" ABOVE STRUCTURE INVERT. ENGINEER OF RECORD TO PROVIDE ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
  - WATER SURFACE ELEVATION IN THE VORTECHS STRUCTURE IS EXPECTED TO BE AT OR BELOW TOP OF FLOW CONTROL WALL DURING THE DESIGN STORM.
  - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. INLET PIPE TO BE SET 90° TO STRUCTURE WALL. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
  - CONTRACTOR TO PROVIDE ANY ETERNAL BYPASS STRUCTURE REQUIRED FOR OFFLINE LAYOUT UNLESS OTHERWISE SPECIFIED.
  - CONTRACTOR TO PROVIDE AND INSTALL MANHOLE RISERS, GRADE RINGS OR BLOCK REQUIRED BETWEEN THE TOP OF THE VORTECHS STRUCTURE AND BASE OF THE MANHOLE FRAMES.

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
1	ALUMINUM SWIRL CHAMBER	CONTECH
1	SWIRL CHAMBER SEALANT	CONTECH
1	ALUMINUM ORIFICE PLATE	CONTECH
1	ALUMINUM WEIR PLATE	CONTECH
1	BUTYL MASTIC JOINT SEALANT	CONTRACTOR
3	Ø24" X 4" EJ #41500389 FRAME AND COVER, OR EQUIVALENT	CONTRACTOR



**ELEVATION**

SCALE: NTS

A

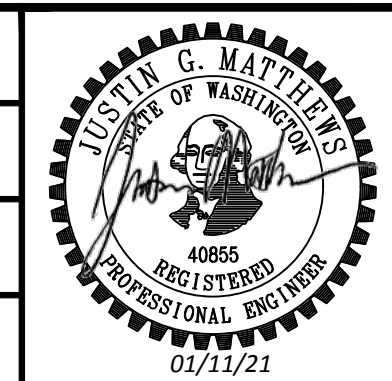
**APPROVED**  
BY: *Joseph B. Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

NEW DRAWING

12/29/20 12:56 PM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD027.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
E. MENDEL  
APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2  
SITework AND UTILITIES  
SCALE: AS NOTED  
FILENAME: S317-F1592-CDD027  
CONTRACT No.: RTA/CN 0612-18  
SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
CIVIL DRAINAGE DETAILS

DRAWING No.: F1592-CDD027  
FACILITY ID: F1592  
SHEET No.: 32/81

No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

SUBMITTED BY: SARA ROBERTS

DATE: 12/04/2020

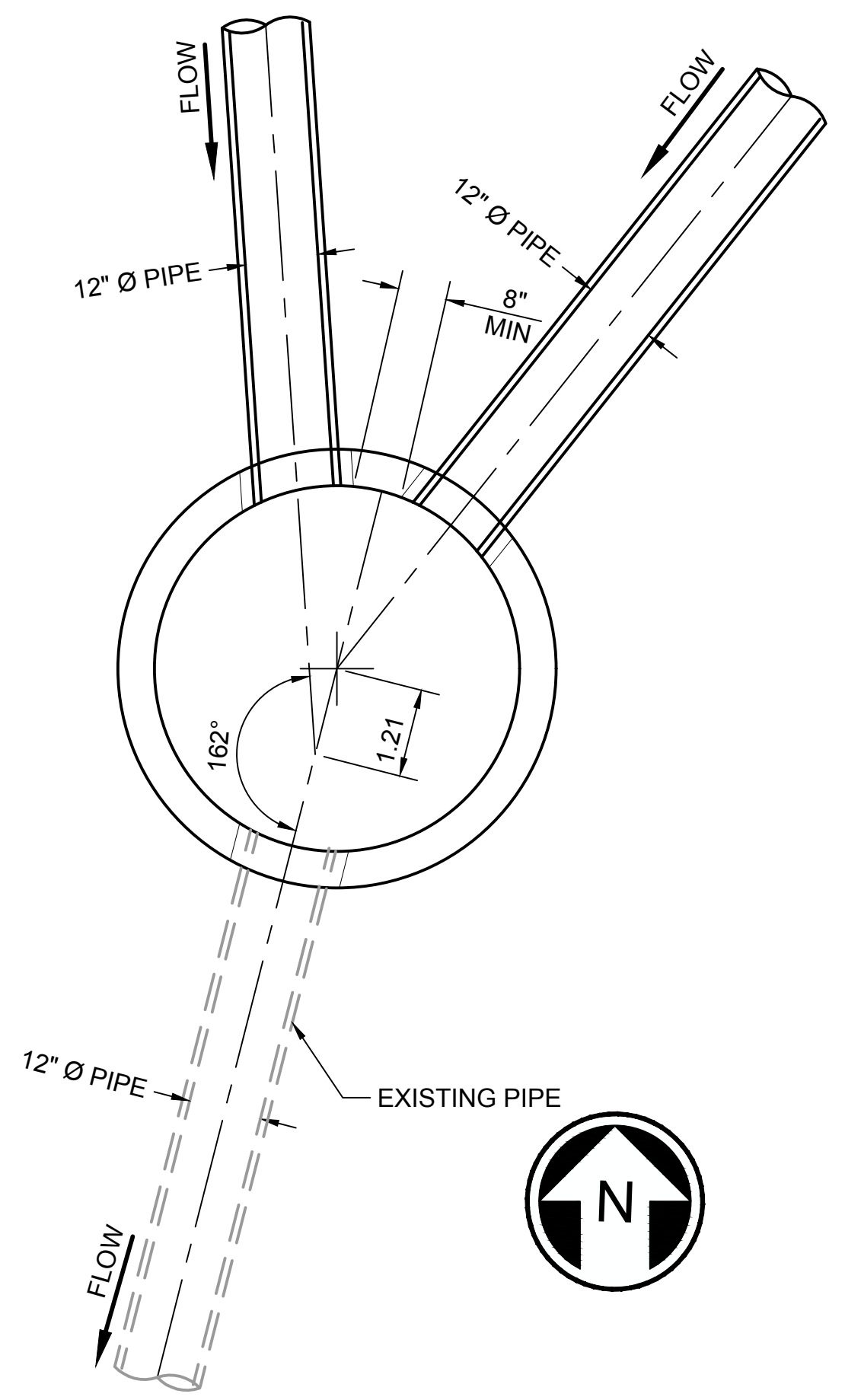
REVIEWED BY: GREG SHIMIZU

DATE: 12/04/2020

DATE: 12/04/2020

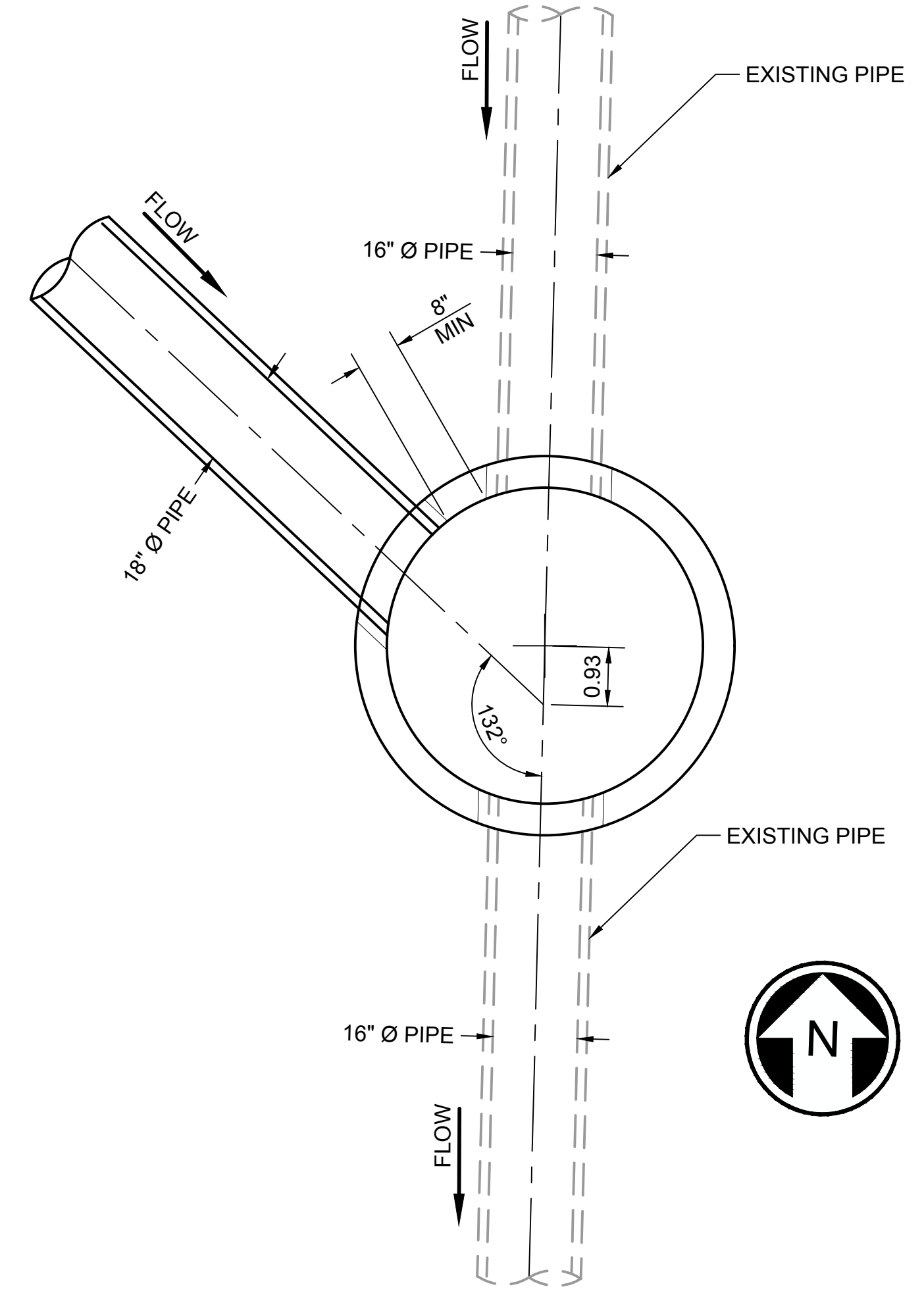


Xrefs:  
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 xS317-F1592-CDP100  
 xS317-F1592-VRX100  
 xS317-F1592-CSP100  
 xGB-1B22x34



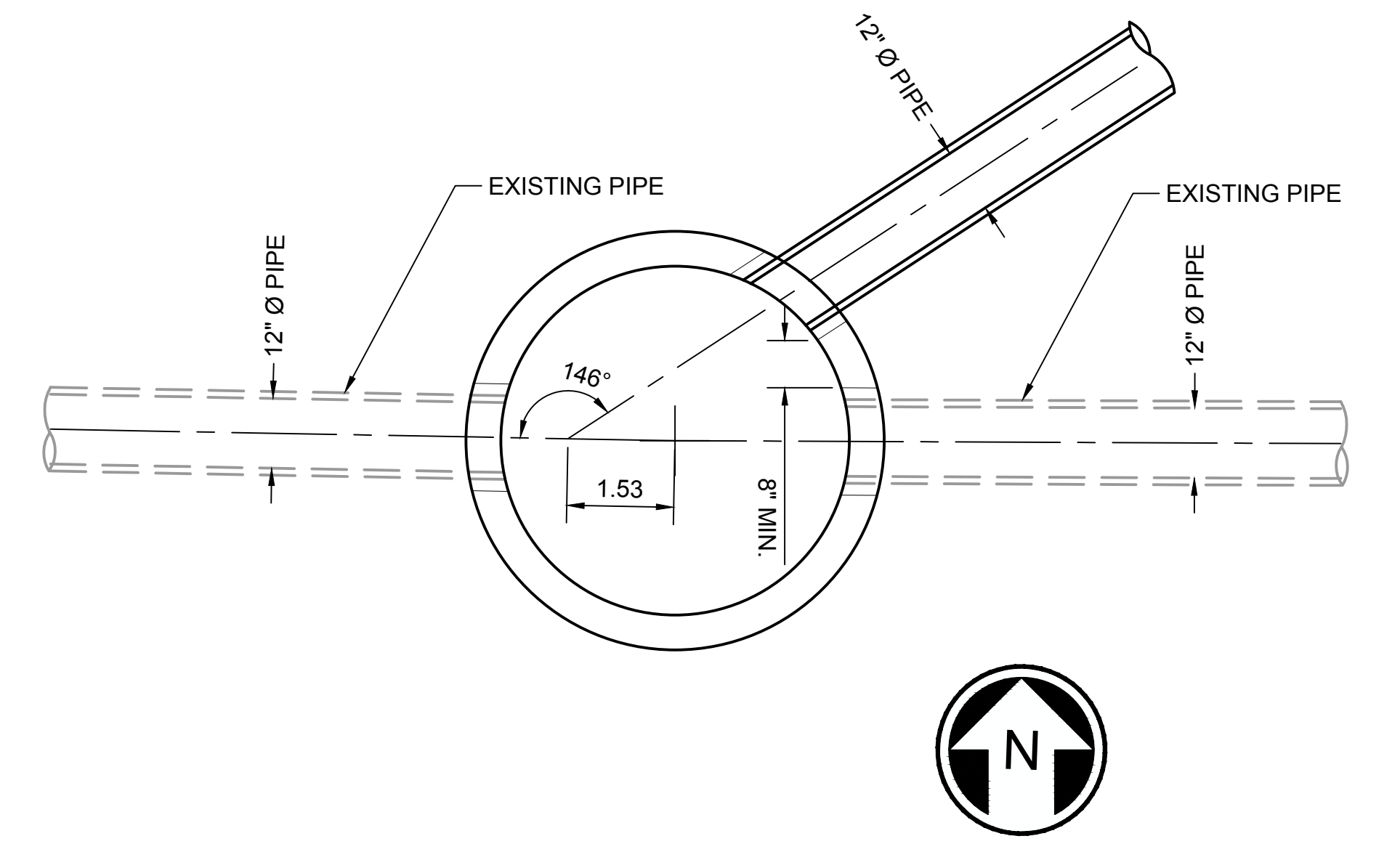
**3RD AVE SDM#1 60" TYPE-2**  
 SCALE: NTS

**1**  
 F1592-CGP202



**5TH AVE CB#8 60" TYPE-2**  
 SCALE: NTS

**2**  
 F1592-CGP203



**EAST LOT SDM#1 60" TYPE-2**  
 SCALE: NTS

**3**  
 F1592-CGP203

**APPROVED**

BY: *Frank Beckey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

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

12/29/20 12:57 PM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD028.DWG

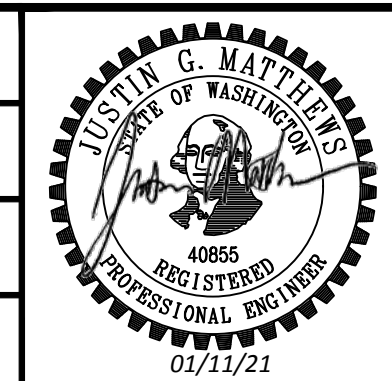
**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN

DRAWN BY:  
M. VU

CHECKED BY:  
J. MATTHEWS

APPROVED BY:  
J. MATTHEWS



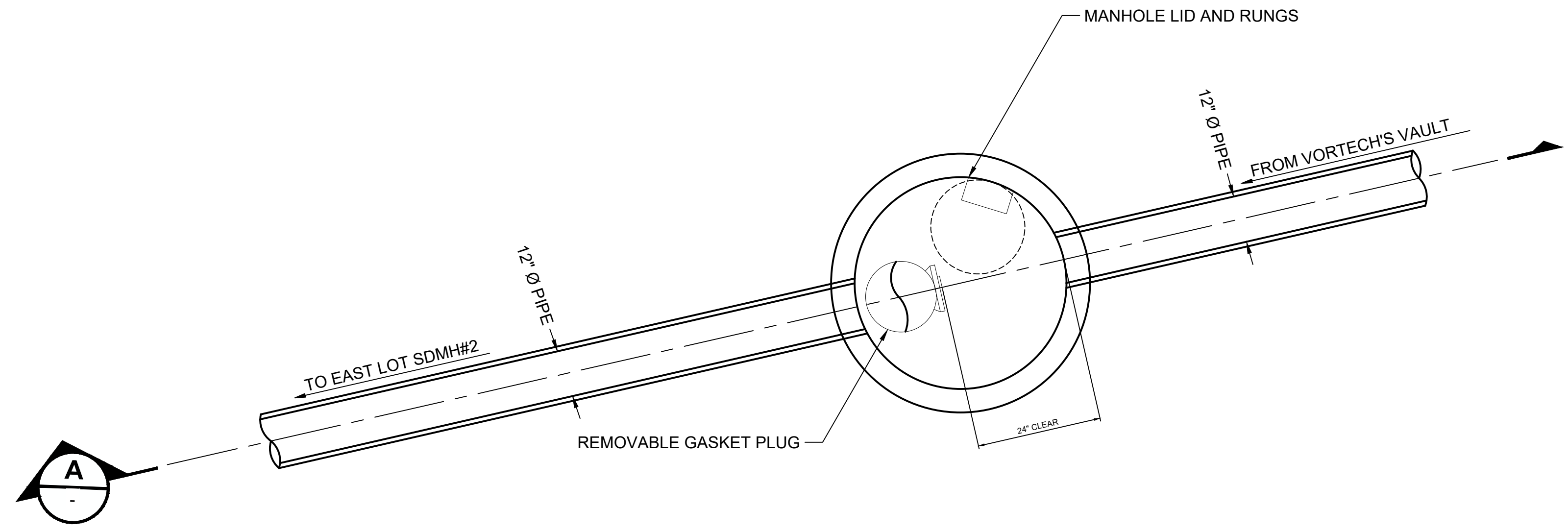
LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>	DP-2	<b>SITWORK AND UTILITIES</b>	<b>DRAWING No.:</b> F1592-CDD028
		<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>	<b>FACILITY ID:</b> F1592
			<b>SHEET No.:</b> REV: 33/81
			<b>CIVIL DRAINAGE DETAILS</b>
		<b>SOUNDTRANSIT</b>	
		SCALE: AS NOTED	
		FILENAME: S317-F1592-CDD028	
		CONTRACT No.:RTA/CN 0612-18	
		DATE: 12/04/2020	
		REVIEWED BY: GREG SHIMIZU	
		DATE: 12/04/2020	
		SUBMITTED BY: SARA ROBERTS	
		DATE: 12/04/2020	
		REVIEWED BY: GREG SHIMIZU	
		DATE: 12/04/2020	

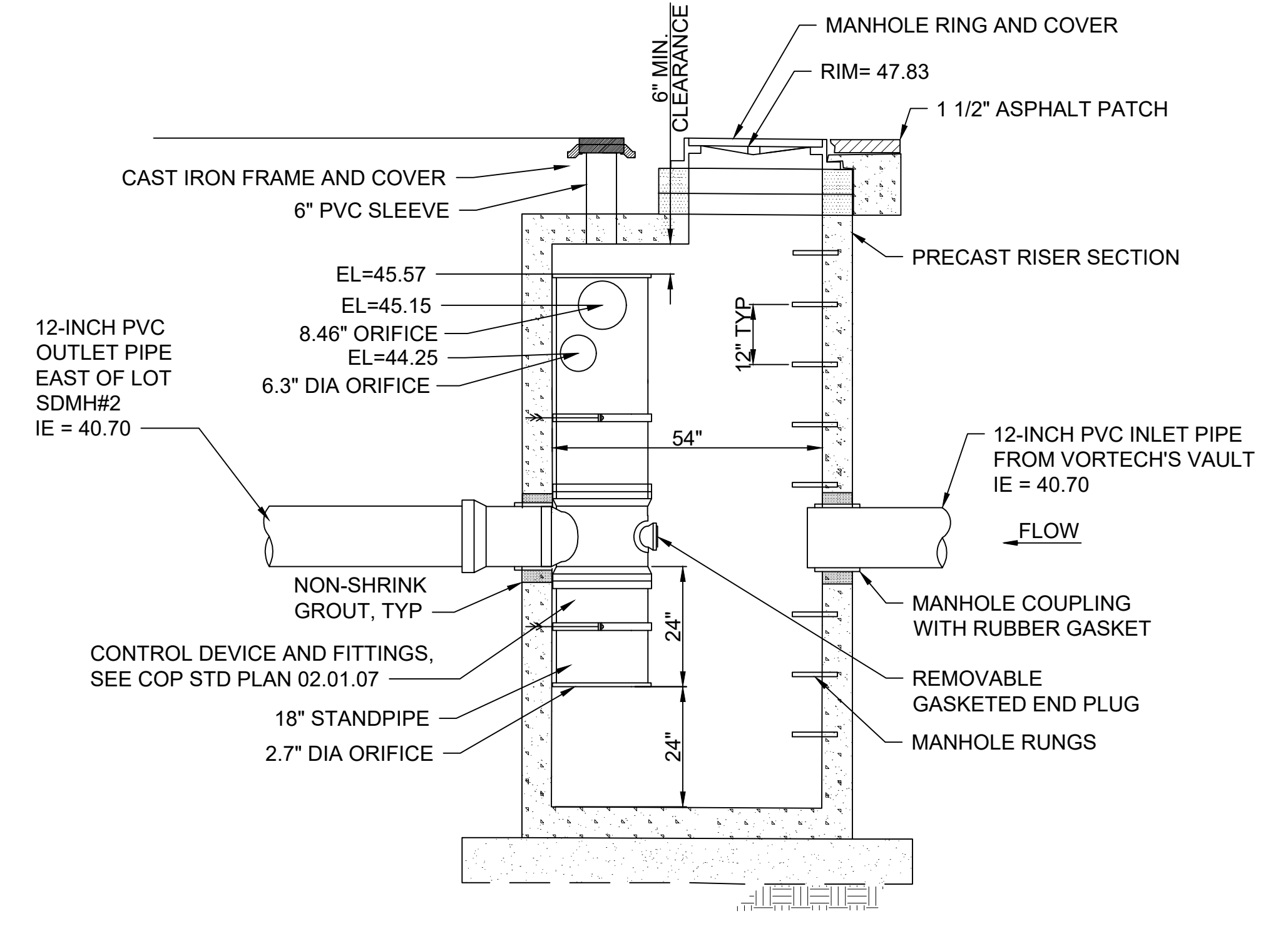
No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION



Xrefs:  
GB-SEAL-JGM40855  
xGB-1B22x34



**EAST LOT SDMH#5 54" DIA FLOW CONTROL MH W/ FLAT TOP**  
SCALE: NTS



**SECTION**  
SCALE: NTS

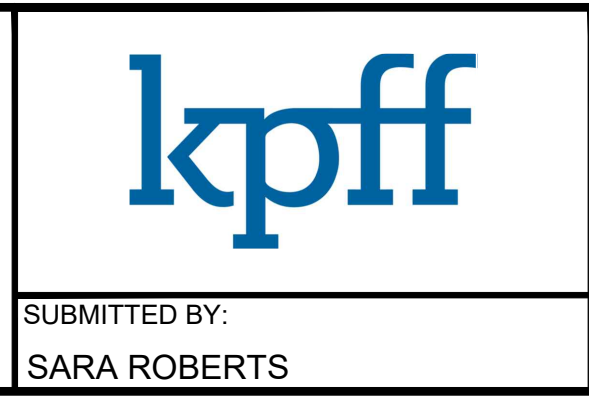
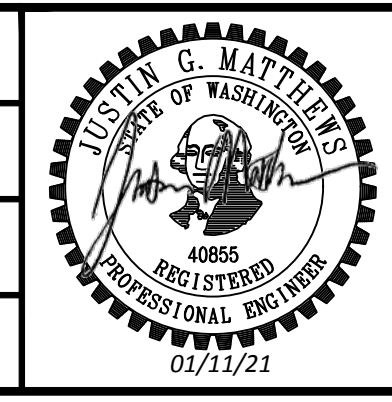
**APPROVED**  
BY *Joseph Baker*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID  
AFTER 180 DAYS FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS AND/  
OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
ENGINEERING SERVICES  
MANAGER.

NEW  
DRAWING

01/05/21 | 10:29 AM | MICHAEL V Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD029.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS

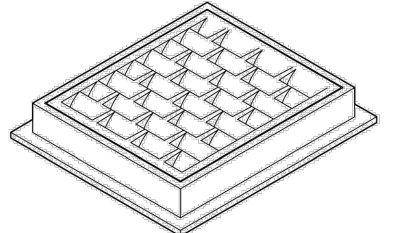


LINE IS 1" AT FULL SCALE

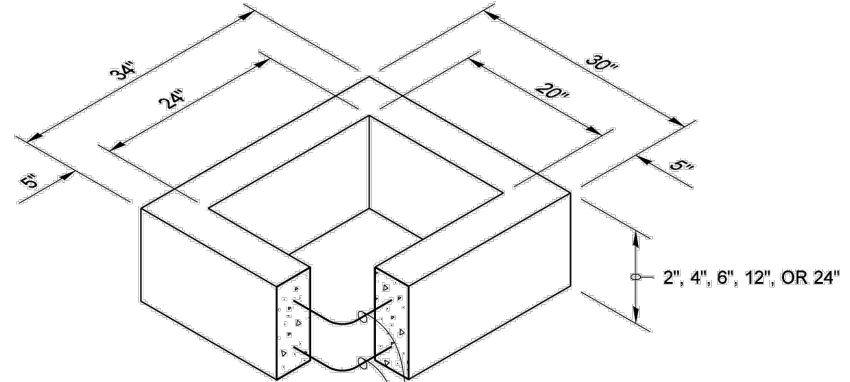
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<b>SOUNDTRANSIT</b>	SCALE: NTS FILENAME: S317-F1592-CDD029 CONTRACT No.:	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>	<b>F1592-CDD029</b>
DATE: 12/04/2020	RTA/CN 0612-18 SUBMITTAL DATE: 12/04/2020	<b>CIVIL STORM DETAILS</b>	FACILITY ID: F1592
REVIEWED BY: GREG SHIMIZU	DATE: 12/04/2020		SHEET No.: 34/81
SUBMITTED BY: SARA ROBERTS	DATE: 12/04/2020		REV: 0



DRAWN BY: FERN LIDDELL

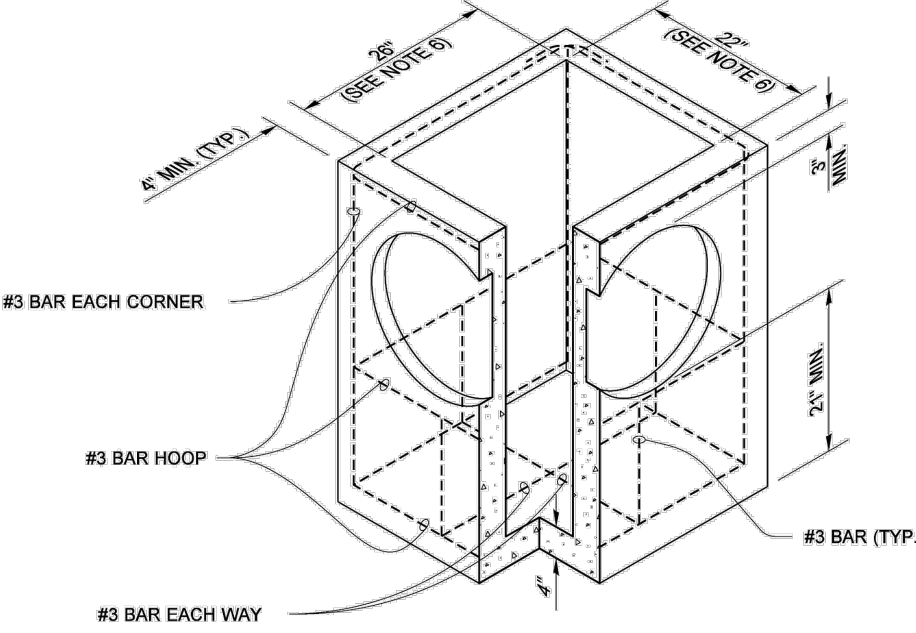


**FRAME AND VANED GRATE**

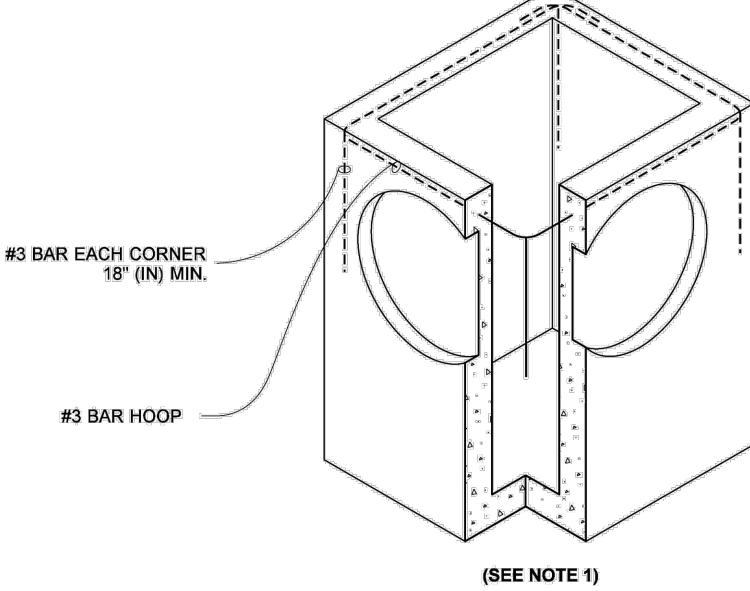


**RECTANGULAR ADJUSTMENT SECTION**

ONE #3 BAR FOR 6" (IN) HEIGHT INCREMENT (SPACED EQUALLY)



**PRECAST BASE SECTION**




**ALTERNATIVE PRECAST BASE SECTION**  
(SEE NOTE 1)

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSBP * (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

\* CORRUGATED POLYETHYLENE STORM SEWER PIPE

**NOTES**

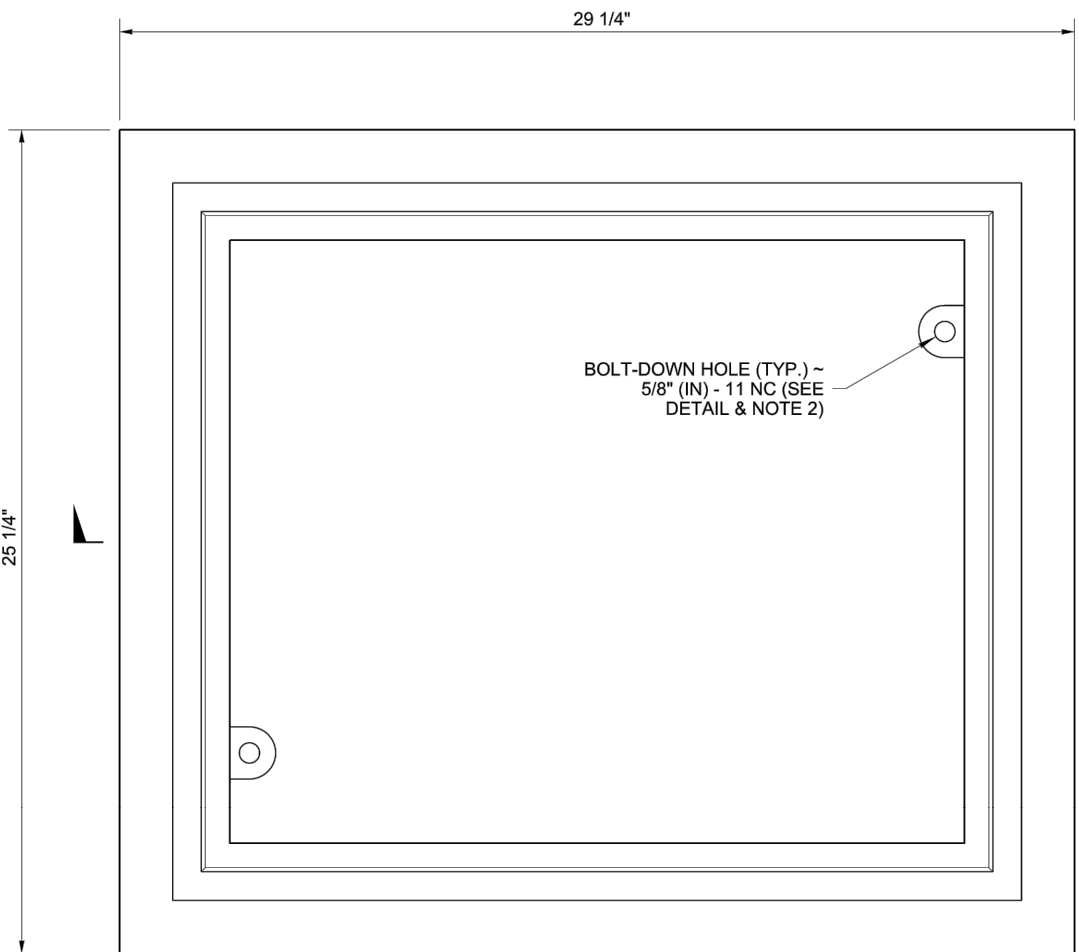
- As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
- The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
- The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
- The Precast Base Section may have a rounded flange, and the walls may be sloped at a rate of 1 : 24 or steeper.
- The opening shall be measured at the top of the **Precast Base Section**.
- All pickup holes shall be grouted full after the basin has been placed.



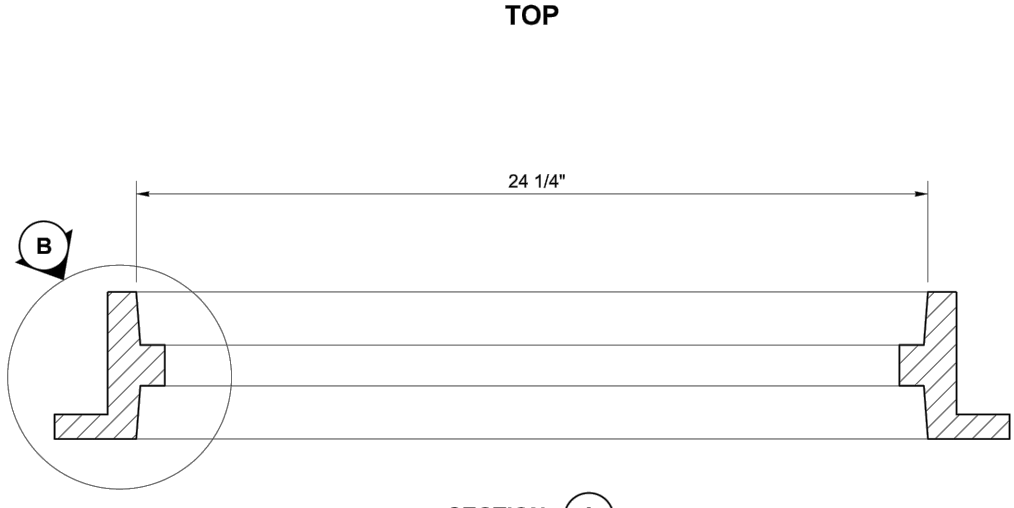
Julie Heilman  
2020.09.01 07:52:50 -07'00'  
**CATCH BASIN TYPE 1**  
**STANDARD PLAN B-5.20-03**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Roark, Steve  
Digitally signed by Roark, Steve  
Date: 2020.09.09 09:45:23 -07'00'  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

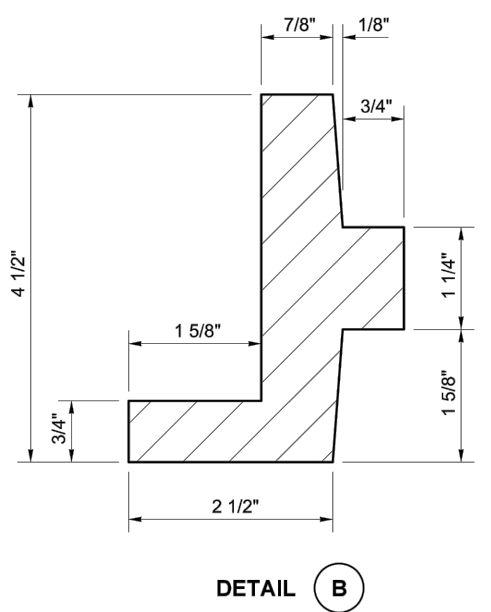
DRAWN BY: FERN LIDDELL



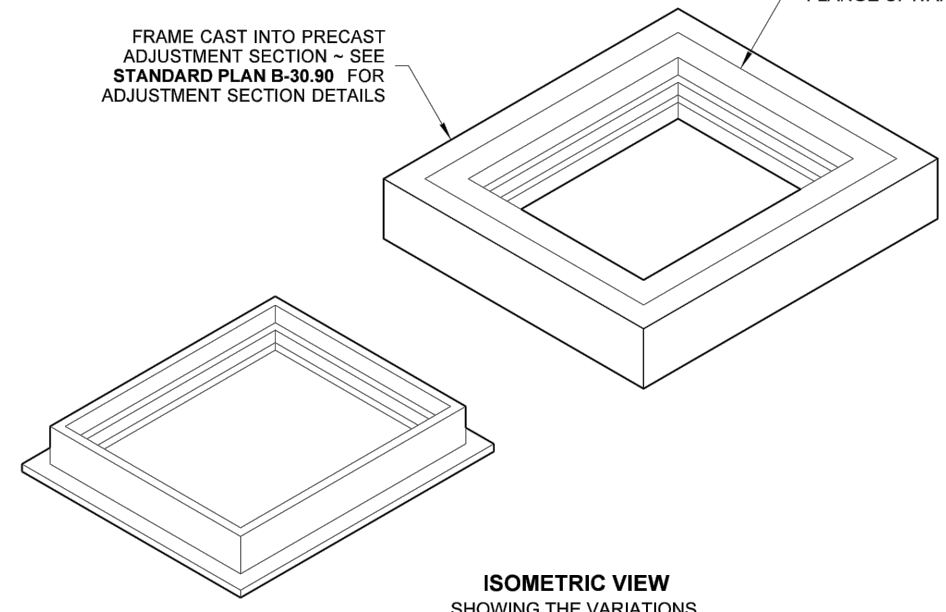
**TOP**



**SECTION A**



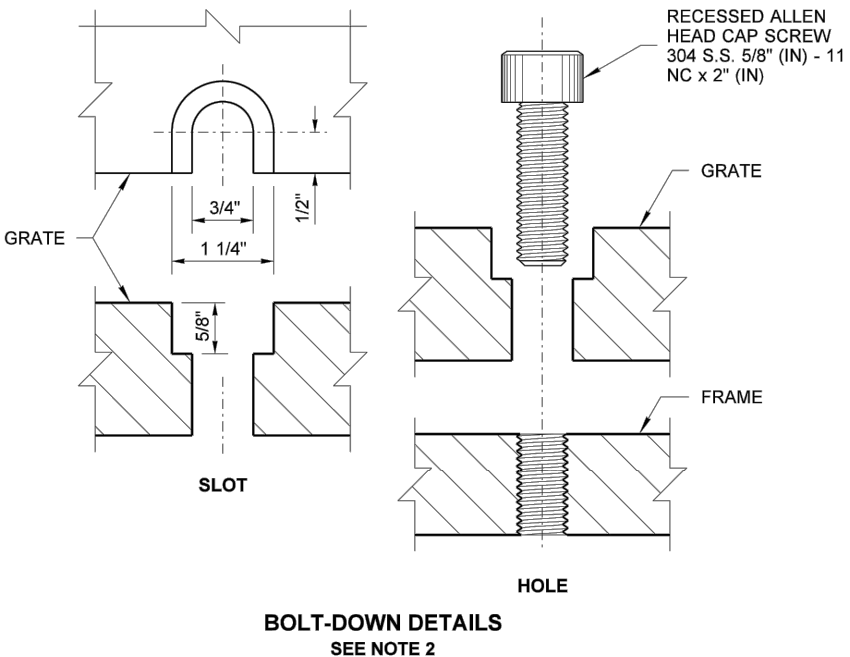
**DETAIL B**




**ISOMETRIC VIEW**  
SHOWING THE VARIATIONS

**NOTES**

- This frame is designed to accommodate 20" (in) x 24" (in) grates or covers as shown on **Standard Plans B-30.20, B-30.30, B-30.40, and B-30.50**.
- Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) x 11 NC x 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
- Refer to **Standard Specification Section 9-05.15 and 9-05.15(2)** for additional requirements.



**BOLT-DOWN DETAILS**  
SEE NOTE 2



Julie Heilman  
Feb 20 2018 12:52 PM  
**RECTANGULAR FRAME (REVERSIBLE)**  
**STANDARD PLAN B-30.10-03**  
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION  
Capra, Jeff  
Feb 27 2021 09:51 AM  
STATE DESIGN ENGINEER  
Washington State Department of Transportation

01/05/21 | 10:30 AM | MICHAELV  
Z:\19000001-19009991\19000096 ST PUYALLUP DB GARAGE\CADD\DESIGN\317-F1592-CDD121.DWG

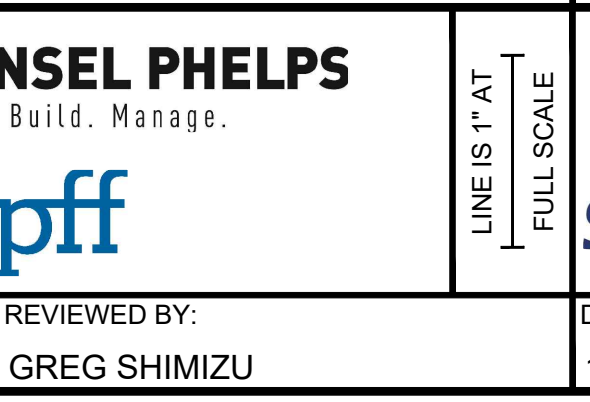
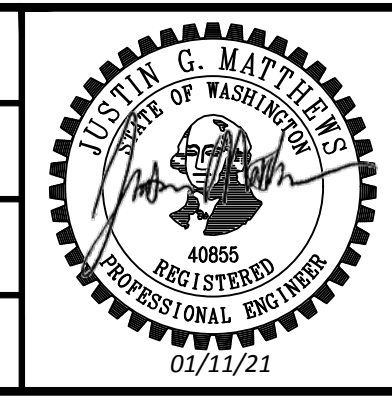
CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN

DRAWN BY:  
M. VU


CHECKED BY:  
J. MATTHEWS

APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2

SITework AND UTILITIES



SOUNDTRANSIT

SCALE: NTS

FILENAME: S317-F1592-CDD121

CONTRACT No.: RTA/CN 0612-18

SUBMITTAL DATE: 12/04/2020

PUYALLUP STATION PARKING  
CONTRACT RTA/CN 0612-18  
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL STORM DETAILS

DRAWING No.: F1592-CDD121

FACILITY ID: F1592

SHEET No.: 35/81

**APPROVED**

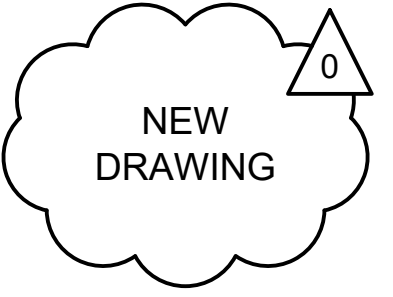
BY: *Jeff Capra*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

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





**SECTION A-A**  
N/S

**PLAN VIEW**

**SECTION VIEW**

**NOTES:**

- FRAME AND GRATE SHALL BE LOCKING AND GRATE SHALL BE BOLTED TO FRAME. FRAME SHALL CONFORM TO WSDOT STANDARD PLAN B-30.10-01.
- OVERFLOW STRUCTURE SHALL BE LOCATED WITHIN 10 FEET OF ROAD EDGE FOR MAINTENANCE ACCESS, UNLESS APPROVED OTHERWISE. OVERFLOW STRUCTURE MAY BE LOCATED IN SIDE SLOPES.
- FRAME AND GRATE TO CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-05.15(2).
- PLANT SPACING WITHIN FACILITY TO ALLOW MAINTENANCE ACCESS TO STRUCTURE.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**BIORETENTION OVERFLOW OUTLET STRUCTURE**

DATE: 02.07.20

**PLAN VIEW**

**SECTION VIEW**

**NOTES:**

- MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
- TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'-0" FROM TOP OF GRATE TO I.E. (PIPE INVERT).
- PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
- THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEED 1/2" PER FOOT.
- CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
- CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXIST MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

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

**CATCH BASIN TYPE I (AREA DRAIN)**

DATE: 02.01.02

**PLAN VIEW**

**SECTION VIEW**

**NOTES:**

- MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
- MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
- TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'-0" FROM TOP OF GRATE TO I.E. (PIPE INVERT).
- PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
- REINFORCING BARS SHALL BE CUT OR BENT AS REQUIRED TO CLEAR CUTOUTS.
- THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEED 1/2" PER FOOT.
- CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
- THE APRON SHALL BE 8" IN DEPTH.
- CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXIST MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

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

**CATCH BASIN TYPE I (GUTTER DRAIN)**

DATE: 02.01.03

**PLAN VIEW**

**SECTION VIEW**

**NOTES:**

- MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
- MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
- TYPE II CATCH BASIN IS USED FOR DEPTHS GREATER THAN 5'-0" FROM TOP OF GRATE TO I.E. (PIPE INVERT).
- PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL THE PIPE OUTER DIAMETER PLUS THE MANHOLE WALL THICKNESS.
- SEE CITY STANDARD DETAIL NO. 02.01.01 FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF MANHOLE SECTION.
- CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
- CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXIST MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

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

**CATCH BASIN TYPE II**

DATE: 02.01.04

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**NOTES:**

- EAST JORDAN IRON WORKS 24" "ERGO" FRAME & COVER (PRE-APPROVED PRODUCT) SHALL BE USED FOR PUBLICLY OWNED INFRASTRUCTURE. ALL OTHERS REQUIRE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION.
- MANHOLE FRAME AND COVERS SHOULD NOT BE LOCATED IN PEDESTRIAN PATHWAYS (E.G. SIDEWALKS, CROSSWALKS, ETC.) WHERE EXISTING OR PROPOSED CONDITIONS REQUIRE A MANHOLE FRAME AND COVER TO BE INSTALLED WITHIN A PEDESTRIAN PATHWAY, THE MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.
- NON-ROCKING FIT FOR MANHOLE COVERS.
- CASTING TO BE SMOOTH, TRUE TO PATTERN, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINK HOLES, WARP, OR ANY OTHER DEFECTS WHICH COULD IMPAIR SERVICEABILITY.
- CASTINGS SHALL BE UNCOATED.
- FOR STORM APPLICATIONS CAST LETTERS SHALL READ "STORM".
- INSTALL FRAME AND COVER IN ROADWAY WITH HINGED SIDE OF ASSEMBLY POINTED TOWARD ONCOMING TRAFFIC.
- THE CITY SHALL HAVE THE RIGHT TO REQUIRE INSPECTION AND APPROVAL OF ALL CASTINGS PRIOR TO PAINTING.
- REPAIR OR DEFECTS BY WELDING, OR BY THE USE OF "SMOOTH-ON" OR SIMILAR MATERIAL WILL NOT BE PERMITTED.
- MANHOLE RING AND COVER SHALL BE FREE OF POROSITY, SHRINK CAVITIES, COLD SHUTS OR CRACKS OR ANY SURFACE DEFECTS WHICH WOULD IMPAIR SERVICEABILITY.
- FRAME HEIGHT MAY BE 4" FOR OVERLAYS AND PAVEMENT REHABILITATION PROJECTS, WITH WRITTEN APPROVAL BY THE CITY ENGINEER.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**MANHOLE FRAME AND COVER**

DATE: 06.01.02

**MANHOLE HANDHOLD**

**MANHOLE STEP**

**NOTES:**

- MANHOLE STEPS AND HANDHOLDS SHALL BE POLYPROPYLENE COATED GRADE 60 REBAR CONFORMING TO ASTM C-476, D-4101, A-615 AND ASHTO M-199.
- PREFABRICATED LADDERS SHALL BE MADE OF REBAR AND ENCASED IN POLYPROPYLENE AFTER FABRICATION.
- STEPS MAY BE INSTALLED: CAST IN PLACE OR DRIVEN INTO PREFORMED HOLES WITH THE CONCRETE CURED TO 3,000 PSI MINIMUM, OR BY DRILLING TWO ONE INCH DIAMETER HOLES, 3-3/4" DEEP, 13" O.C. APPLY NON-SHRINK GROUT AROUND BARRED ENDS AND DRIVE TO FULL INSERTION.
- PENETRATION OF THE OUTER WALL OF A STRUCTURE WITH A LEG OF A STEP OR LADDER SHALL NOT OCCUR. STEPS AND LADDER RUNGS SHALL BE SPACED AT 12 INCHES AND SHALL BE VERTICALLY ALIGNED.
- STEPS, HANDHOLDS, LADDER RUNGS AND FASTENINGS SHALL BE DESIGNED FOR A MINIMUM LIVE LOAD OF 300 LBS AND A FULL OUT FORCE OF 1,000 LBS.
- STEPS, HANDHOLDS, AND LADDER PARTS SHALL BE FREE OF SPLINTERS, SHARP EDGES, BURRS OR PROJECTIONS WHICH MAY CAUSE HAZARDS.
- REQUESTS TO USE STEPS, HANDHOLDS AND LADDERS MADE FROM NON-CORROSIVE MATERIALS SUCH AS STAINLESS STEEL AND PLASTIC MAY BE ACCEPTED AFTER REVIEW AND APPROVAL BY THE CITY. GALVANIZED STEEL WILL NOT BE PERMITTED IN SANITARY SEWER AND STORM SEWER MANHOLES AND STRUCTURES.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**MANHOLE STEP AND HANDHOLD**

DATE: 06.01.03

**GRATE**

**SECTION A-A**

**SECTION B-B**

**SECTION C-C**

**SECTION D-D**

**NOTES:**

- MATERIAL SHALL CONFORM TO SECTION 9-05.15 "METAL CASTINGS" OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" PUBLISHED BY THE STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER.
- THE NAME OF THE MANUFACTURE AND DIRECTION OF FLOW SHALL BE EMBOSSED ON THE TOP SURFACE OF EACH GRATE. LETTERING TO BE RECESSED 1/16".
- THE MATERIAL USED FOR THE GRATE SHALL BE DESIGNATED BY EMBASSING EITHER DI (FOR DUCTILE IRON) OR CS (FOR CAST STEEL) NEAR THE NAME OF THE MANUFACTURER.
- DIMENSIONS SHALL HAVE A +/- 1/16" TOLERANCE, EXCEPT AS NOTED.
- EDGES SHALL HAVE 1/8" RADIUS.
- WELDING IS NOT PERMITTED.
- AS AN ALTERNATE, 8 PADS 1 1/2" X 3/4" X 1/8", INTEGRALLY CAST WITH THE GRATE, MAY BE USED.

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

**CATCH BASIN FRAME AND GRATE/VANED GRATE**

DATE: 02.01.05

**APPROVED**

BY: *[Signature]*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

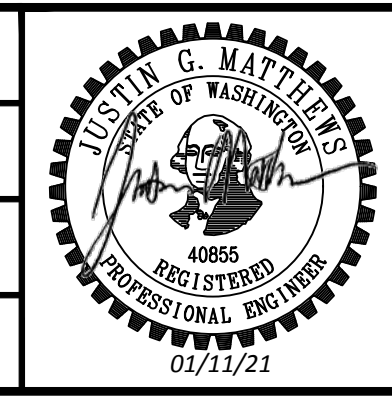
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**NEW DRAWING**

12/22/20 1:24 PM | MICHAEL V. ZIEMER | 19000991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-CDD122.DWG

CIVIL PERMIT RESUBMITTAL				
DESIGNED BY:	S. GUJULUVA RAJAN			
DRAWN BY:	M. VU			
CHECKED BY:	J. MATTHEWS			
APPROVED BY:	J. MATTHEWS			
No.	DATE	DSN	CHK	APP
0	12/04/20	SGR	JGM	JGM
ISSUED FOR CONSTRUCTION				

JUSTIN G. MATTHEWS  
REGISTERED PROFESSIONAL ENGINEER  
NO. 4085



**kpff**

SUBMITTED BY: SARA ROBERTS

**HENSEL PHELPS**  
Plan. Build. Manage.

DATE: 12/04/2020

**kpff**

REVIEWED BY: GREG SHIMIZU

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

DATE: 12/04/2020

**SOUNDTRANSIT**

DATE: 12/04/2020

**PACKAGE # DP-2**

**SITework AND UTILITIES**

SCALE: NTS

FILENAME: S317-F1592-CDD122

CONTRACT No.: RTA/CN 0612-18

SUBMITTAL DATE: 12/04/2020

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**

**PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS**

CIVIL STORM DETAILS

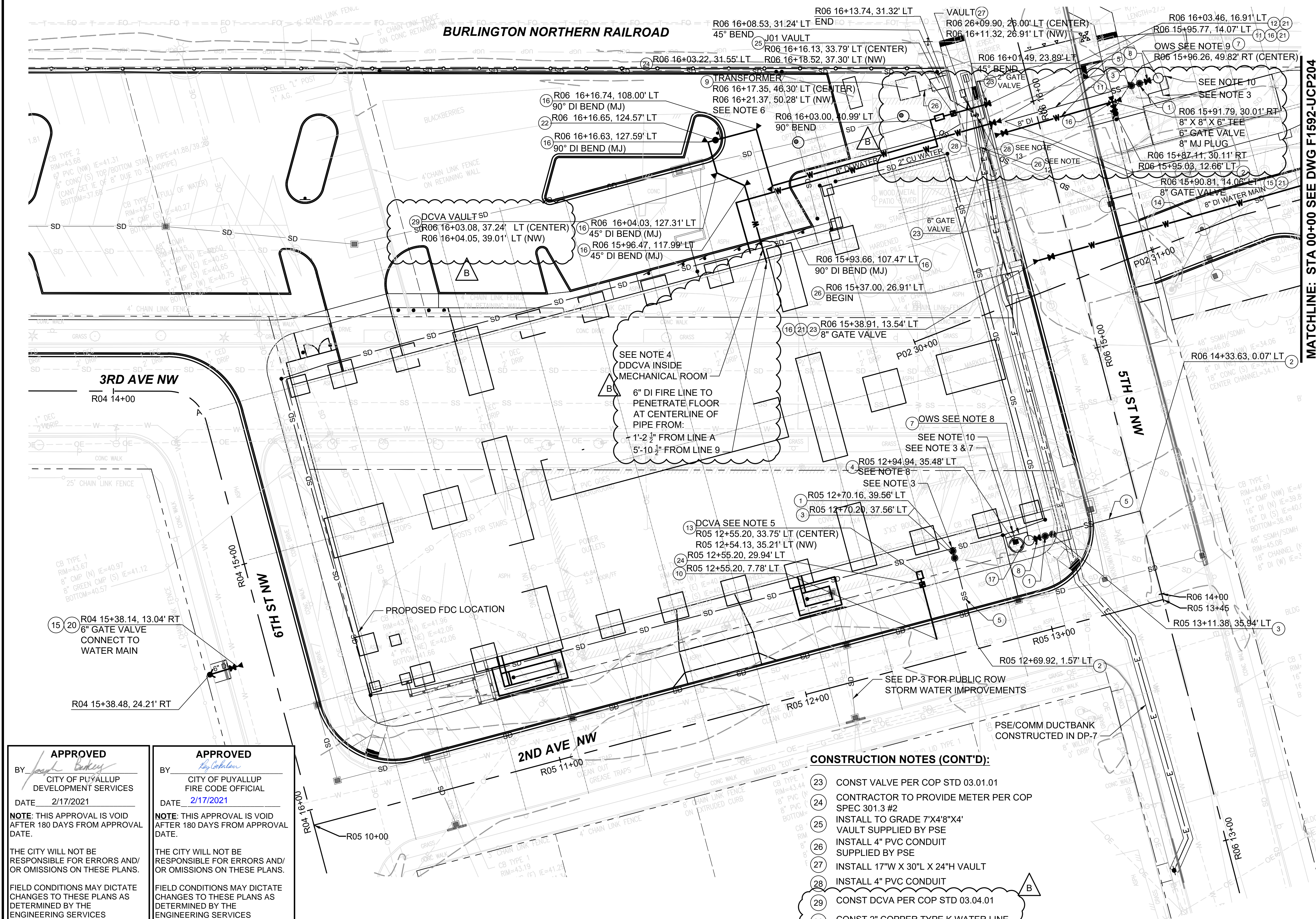
DRAWING No.: F1592-CDD122

FACILITY ID: F1592

SHEET No.: 36/81



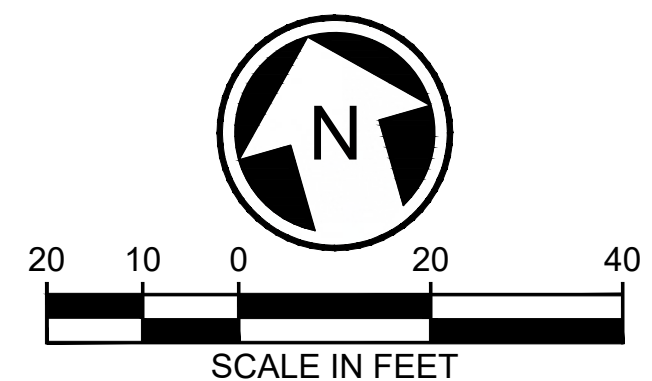
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 xS317-F1592-VRX100  
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 xGB-TB-Views\_230  
 xS317-F1592-CSP100  
 xS317-F1592-CDP100  
 xS317-F1592-UPP100  
 xS317-F1592-LWP100  
 xGB-TB2234  
 xS317-F1592-LCP100  
 xS317-F1592-TSP101  
 xS317-F1592-SGP101  
 xS317-F1592-TSP100  
 xS317-F1592-BNP100



- NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR SYMBOLS, ABBREVIATIONS, AND LEGENDS, SEE DRAWING F1592-CZN010.
  - SEE DP-5 F1592-MPP100 SERIES SHEETS FOR SEWER CONNECTIONS
  - SEE DP-5 F1592-MEP100 FOR WATER CONNECTIONS
  - SEE DP-2 F1592-LRP103 FOR IRRIGATION CONNECTIONS
  - SEE DP-5 F1592-ESP02 FOR ELECTRICAL CONNECTIONS
  - SEE DP-2 F1592-BNP010 FOR GROUND IMPROVEMENTS
  - FOR OIL WATER SEPARATOR AND SUMP SEE DP-3 F1592-MPD901 DETAIL 1. SEE F1592-UCV021 FOR PROFILE
  - FOR OIL WATER SEPARATOR SEE DP-3 F1592-MPD901 DETAIL 2. SEE F1592-UCV021 FOR PROFILE
  - 4 INCH VENT FOR ROUTING AND INVERT ELEVATION, SEE DP-5 F1592-MPP100
  - FIELD FIT CONDUIT AROUND P15
  - CUT CENTURYLINK RISER AND ROUTE 4" CONDUIT TO VAULT, BRING 4" CONDUIT FROM VAULT AND RISER UP P15

- CONSTRUCTION NOTES:**
- CONST 6" PVC SAMPLING TEE PER COP STD 04.03.04
  - CONST SIDE SEWER MAIN TAP PER COP STD 04.02.01
  - CONST CLEANOUT PER COP STD 04.03.04
  - 60" ID MH STRUCTURE WITH FLAT TOP AND 48" MH OPENING, LID SHALL BE RATED FOR HS-20 LOADING
  - CONST 6" PVC SIDE SEWER
  - CONST 48" MH PER COP STD 04.01.01
  - CONST 44" OIL WATER SEPARATOR
  - CONST DI 6" RESILIENT WEDGE GATE VALVE
  - INSTALL TO GRADE 750KVA PAD MOUNTED TRANSFORMER 7'X7'X4" WITH AN 8'X8" LID PROVIDED BY PSE
  - CONST 1" WATER SVC PER COP STD 03.03.01
  - CONST DI 6" FIRE SVC, WRAP IN 8 MIL POLYETHYLENE PER SPECS
  - CONST 2" DOM WATER SVC PER COP STD 03.03.02
  - CONST 2" OR SMALLER DCVA PER COP STD 03.04.01
  - CONST 8" DI WATER MAIN PER COP STD 03.01.01
  - CONST FH PER COP STD 03.05.01
  - CONST THRUST BLK PER COP STD'S 03.03.01-1 & 03.02.01-3
  - 4" DI
  - CONNECT TO EXIST 8" MAIN WITH TAPPING SLEEVE
  - CONNECT TO EXIST 10" MAIN WITH TAPPING SLEEVE
  - CONST PIV PER COP STD 03.10.03

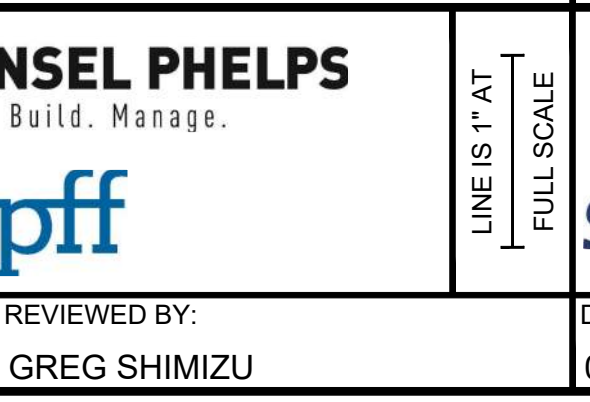
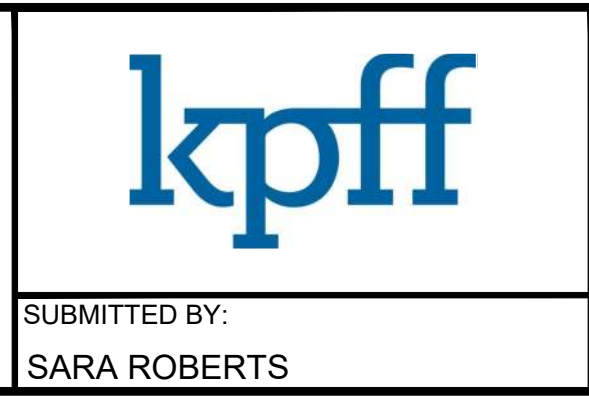
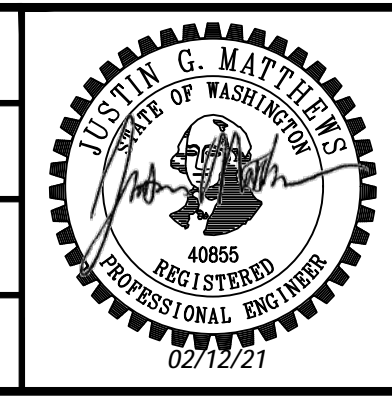
- CONSTRUCTION NOTES (CONT'D):**
- CONST VALVE PER COP STD 03.01.01
  - CONTRACTOR TO PROVIDE METER PER COP SPEC 301.3 #2
  - INSTALL TO GRADE 7'X4'8'X4" VAULT SUPPLIED BY PSE
  - INSTALL 4" PVC CONDUIT SUPPLIED BY PSE
  - INSTALL 17"W X 30"L X 24"H VAULT
  - INSTALL 4" PVC CONDUIT
  - CONST DCVA PER COP STD 03.04.01
  - CONST 2" COPPER TYPE K WATER LINE



<p><b>APPROVED</b>          BY: <i>[Signature]</i>          CITY OF PUYALLUP          DEVELOPMENT SERVICES          DATE: 2/17/2021</p> <p>NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.</p> <p>THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.</p> <p>FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.</p>	<p><b>APPROVED</b>          BY: <i>[Signature]</i>          CITY OF PUYALLUP          FIRE CODE OFFICIAL          DATE: 2/17/2021</p> <p>NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.</p> <p>THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.</p> <p>FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.</p>
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CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
B	02/12/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
A	01/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	01/27/21	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. KIRBY  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



PACKAGE # DP-2  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-UCP203  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/27/2021

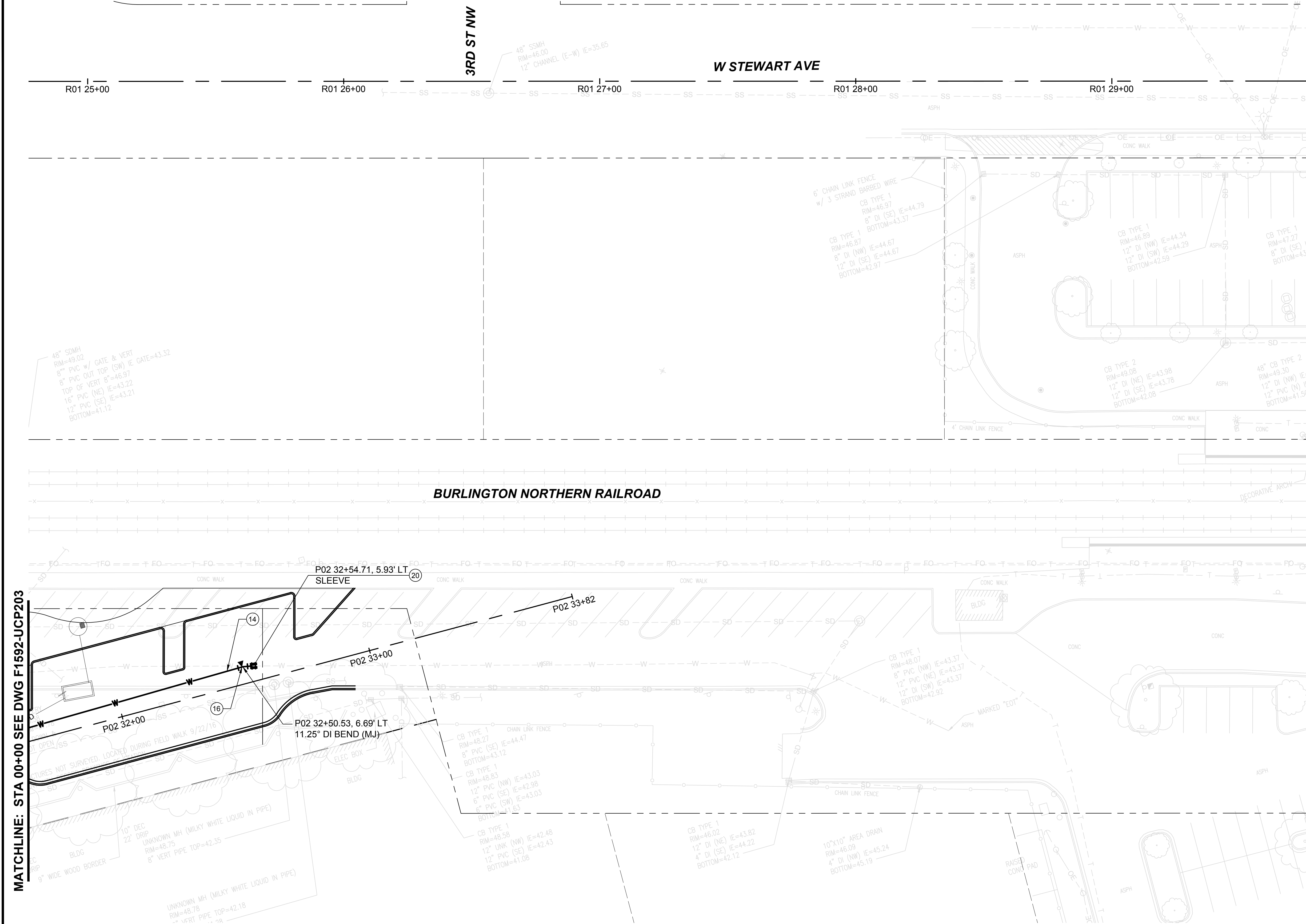
**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 UTILITIES COMPOSITE UTILITY PLAN

DRAWING No.: F1592-UCP203  
 FACILITY ID: F1592  
 SHEET No.: 35  
 REV: 37/81

02/12/21 | 7:48 AM | MICHAEL V. ZI1900001-19009991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-UCP203.DWG



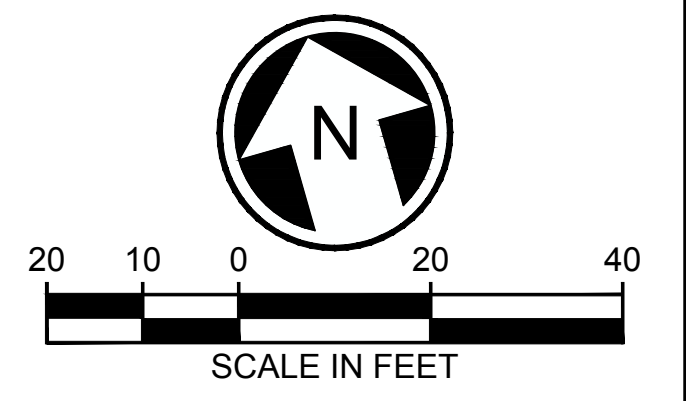
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 xGB-TB-Views\_220  
 xS317-F1592-CSP100  
 xS317-F1592-CDP100  
 xS317-F1592-UPP100  
 xS317-F1592-UWP100  
 xGB-TB22x34



- NOTES:**
- FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
  - FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.

- CONSTRUCTION NOTES:**
- CONST 8" DI WATER MAIN PER COP STD 03.01.01
  - CONST THURST BLK PER COP STD'S 03.03.01-1 & 03.02.01-3
  - CONNECT TO EXIST 8" MAIN

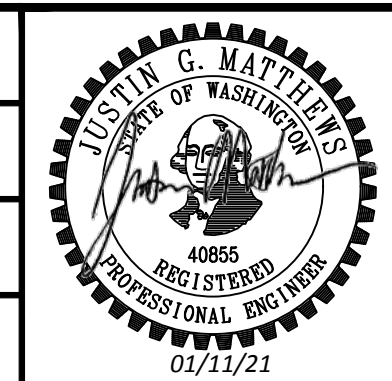
**APPROVED**  
 BY: *Jack Kirby*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



MATCHLINE: STA 00+00 SEE DWG F1592-UJCP203

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. KIRBY  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
12/04/2020  
 REVIEWED BY:  
GREG SHIMIZU

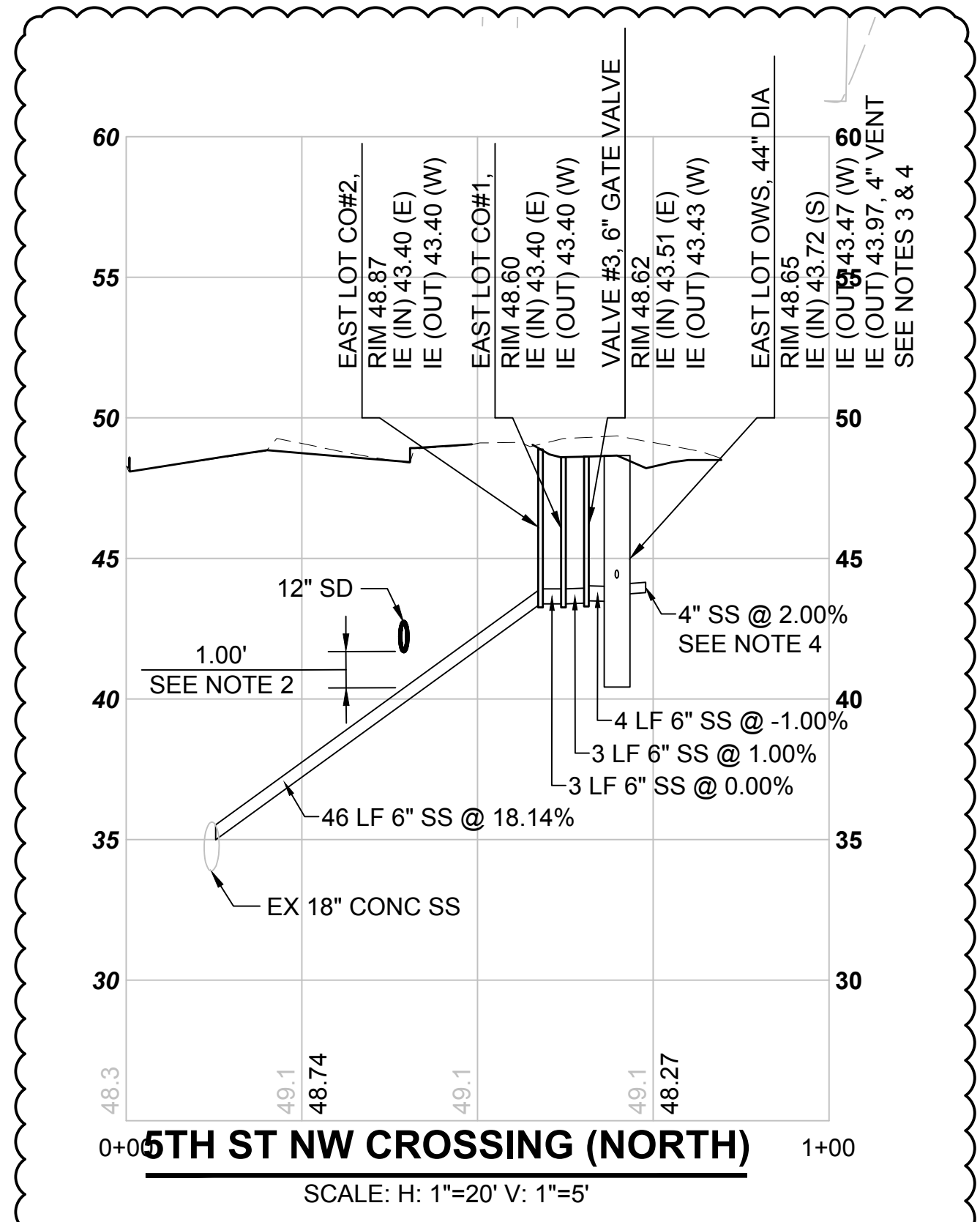
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SCALE: 1"=20'	<b>PUYALLUP STATION PARKING          CONTRACT RTA/CN 0612-18          PUYALLUP STATION PARKING AND ACCESS          IMPROVEMENTS          UTILITIES          COMPOSITE UTILITY PLAN</b>
FILENAME: S317-F1592-UJCP204	
CONTRACT No.: RTA/CN 0612-18	
SUBMITTAL DATE: 12/04/2020	

DRAWING No.:	<b>F1592-UJCP204</b>
FACILITY ID:	F1592
SHEET No.:	REV: <b>38/81</b>

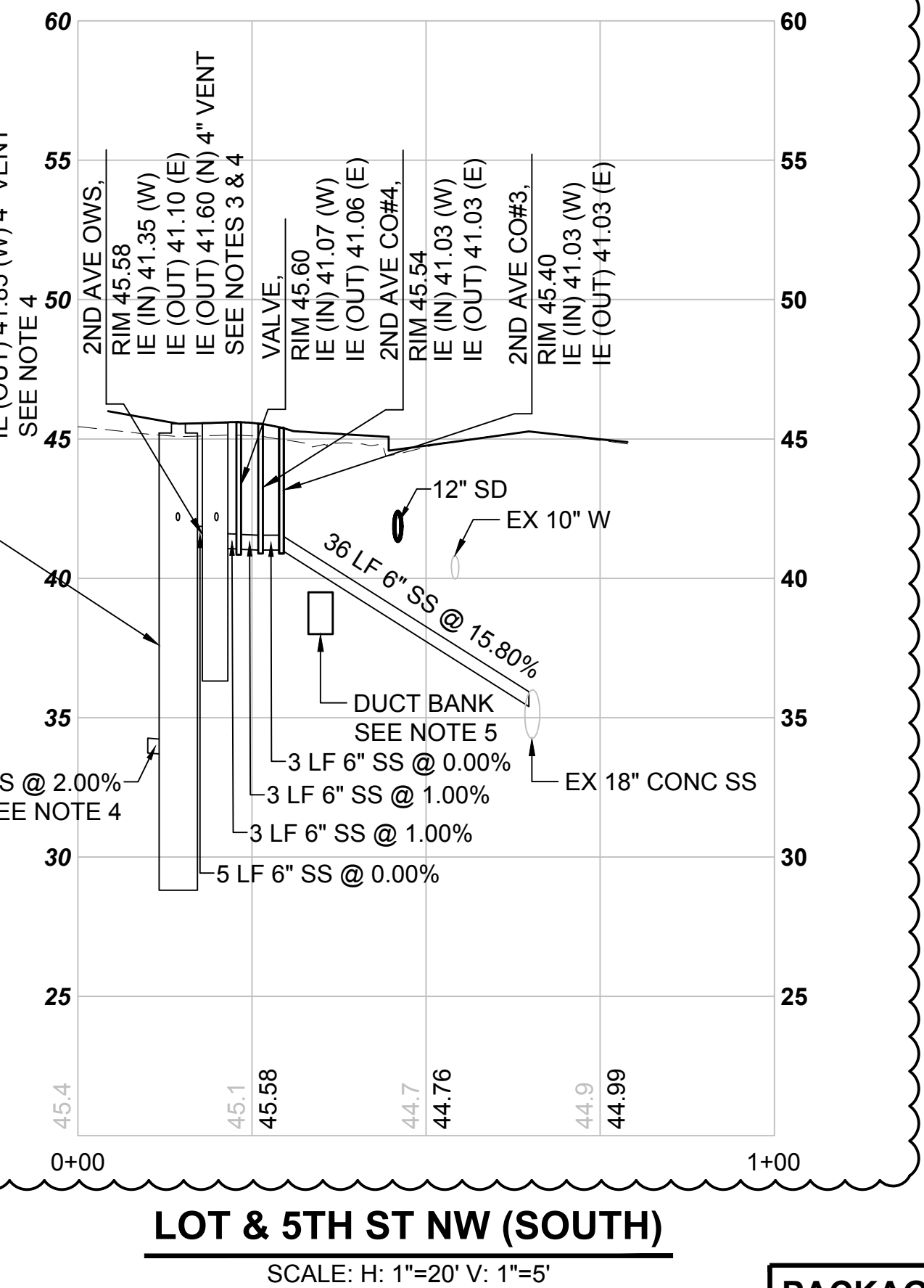
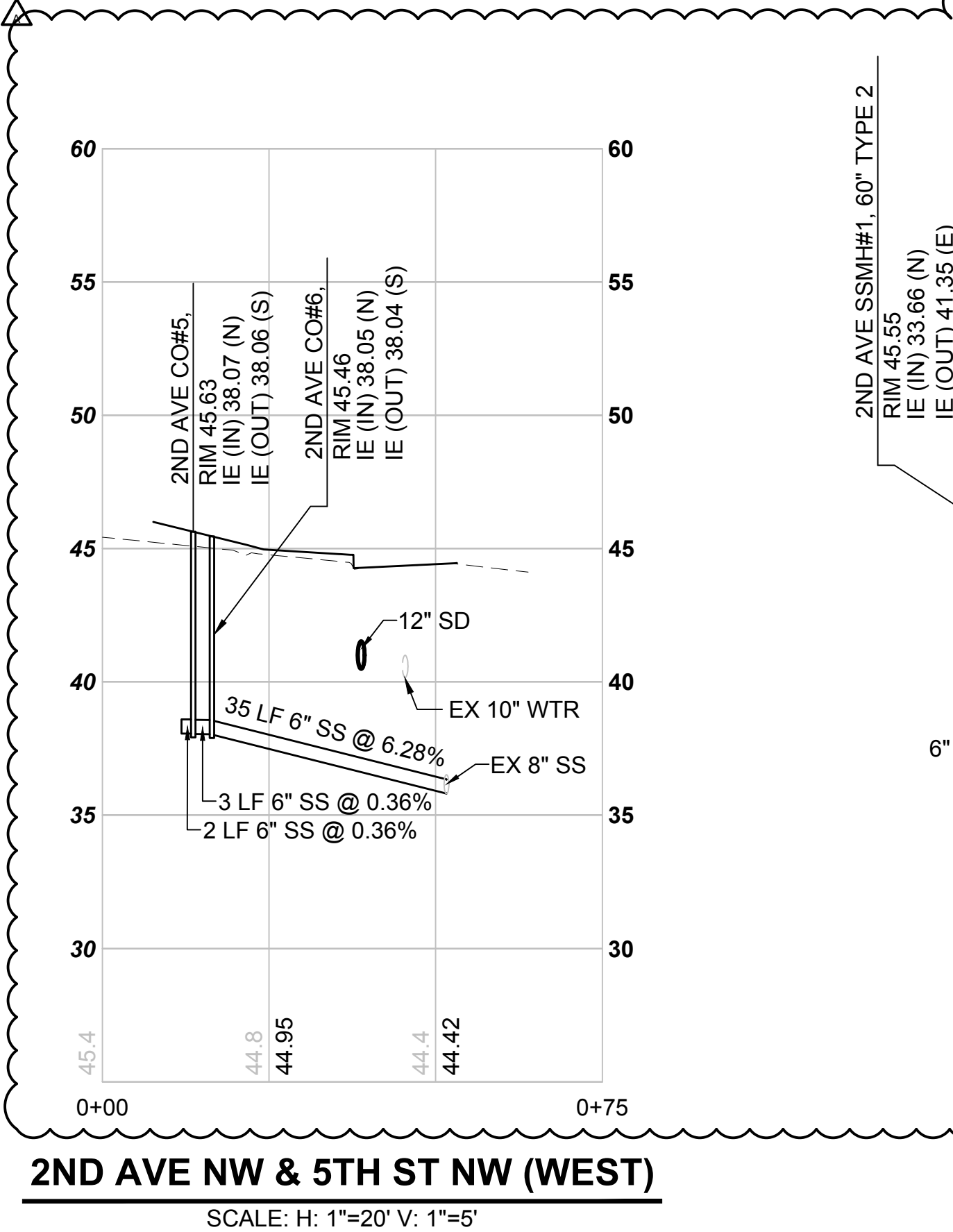
12/15/20 | 2:16 PM | MICHAEL V. ZIEMER | 19000991-1900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-UJCP204.DWG



Xrefs:  
 GB-SEAL-JGM40855  
 xGB-TB22x34  
 xS317-F1592-VRX100



- NOTES:**
- FOR SYMBOLS ABBREVIATIONS AND LEGENDS SEE DRAWING F1592-CZN010.
  - KEEP 1' CLEAR OF ALL UTILITIES.
  - RISER RINGS WILL BE REQUIRED TO ADJUST TO GRADE.
  - SEE DRAWING F1592-MPP100 IN DP-5 FOR MORE INFORMATION.
  - PLACE ETHAFOAM BLOCK BETWEEN SEWER AND DUCTBANK.



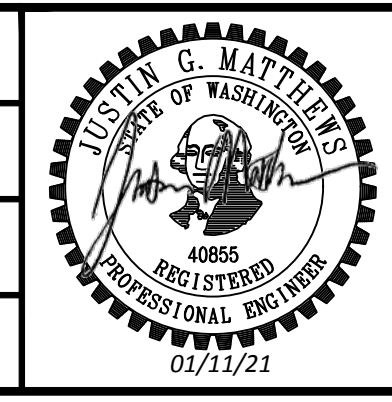
**APPROVED**  
 BY: *Paul Bailey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

01/07/21 | 11:37 PM | JONC  
 Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-UCV021.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
A	01/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
 S. GUJULUVA RAJAN  
 DRAWN BY:  
 J. CURTIS  
 CHECKED BY:  
 J. MATTHEWS  
 APPROVED BY:  
 J. MATTHEWS



SUBMITTED BY:  
 SARA ROBERTS  
 DATE:  
 12/04/2020  
 REVIEWED BY:  
 GREG SHIMIZU

**PACKAGE # DP-2 SITework AND UTILITIES**

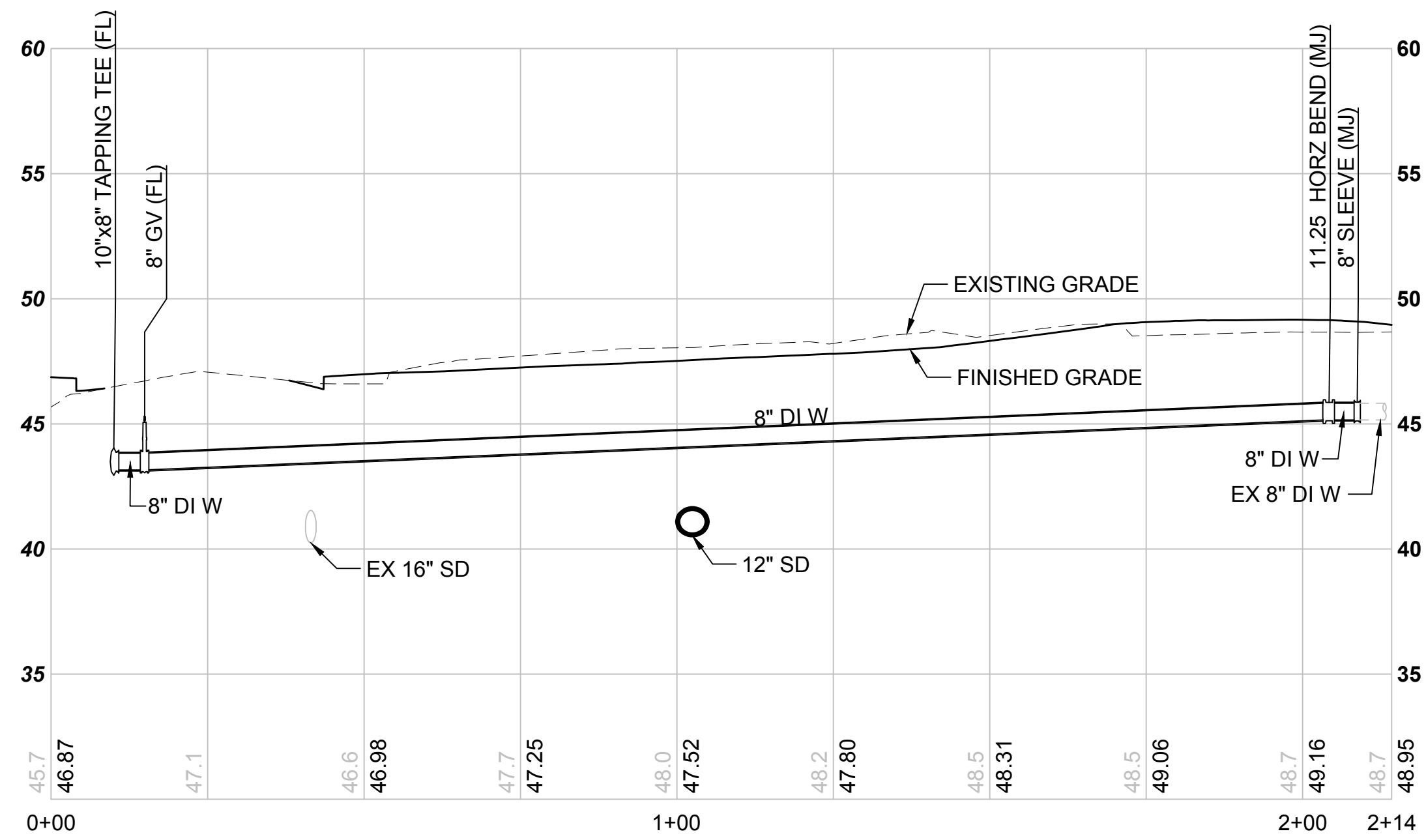
SCALE:  
 AS NOTED  
 FILENAME:  
 S317-F1592-UCV021  
 CONTRACT No.:  
 RTA/CN 0612-18  
 SUBMITTAL DATE:  
 12/04/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 UTILITY  
 COMPOSITE PROFILES**

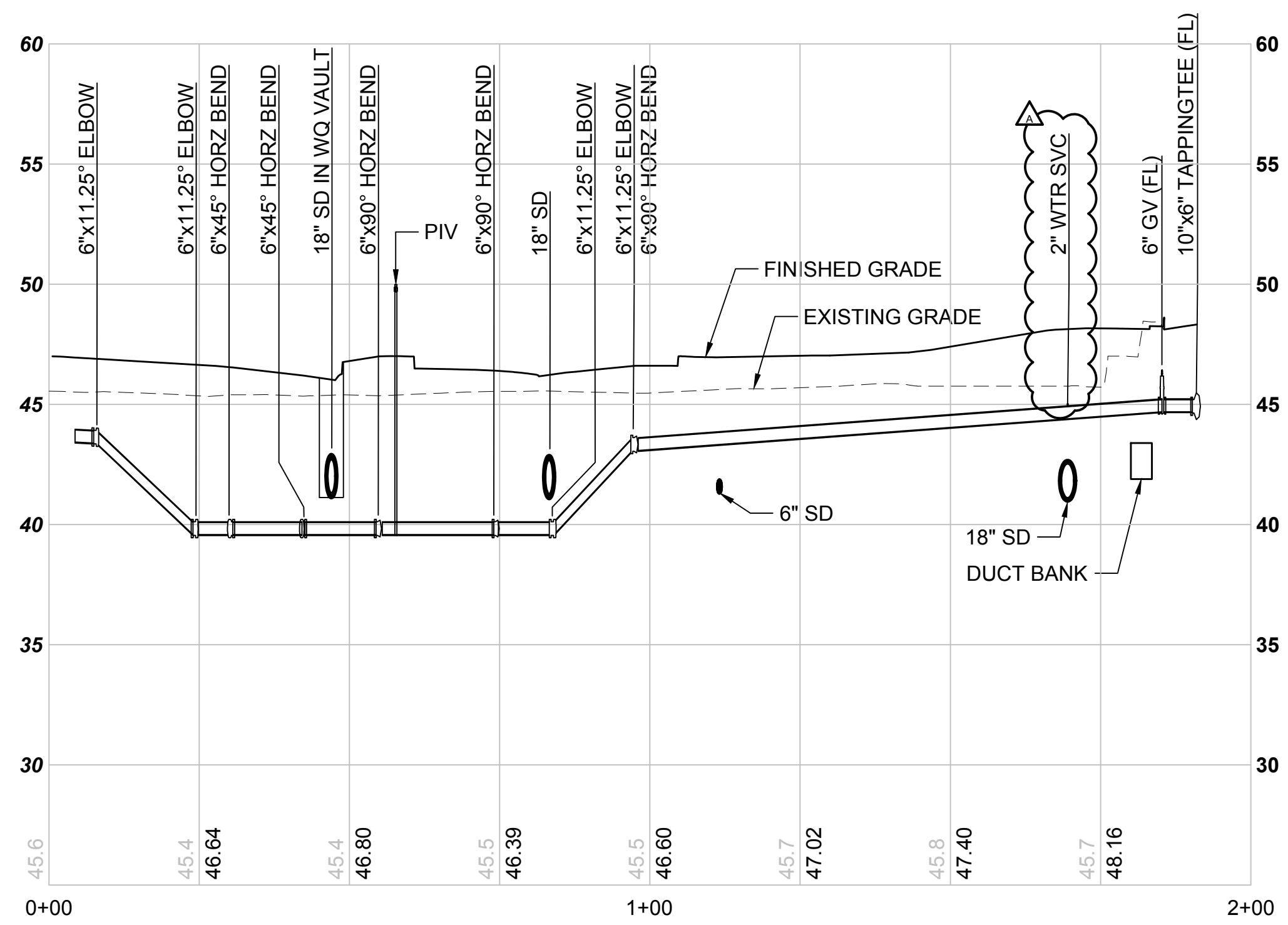
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**F1592-UCV021**  
 FACILITY ID:  
 F1592  
 SHEET No.: REV:  
**39/81**



Xrefs:  
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 GB-SEAL-JGM40855  
 xGB-1B22x34  
 xS317-F1592-UPP100  
 xS317-F1592-CSP100



**5TH ST NW CROSSING (NORTH)**  
 SCALE: H: 1"=20' V: 1"=5'



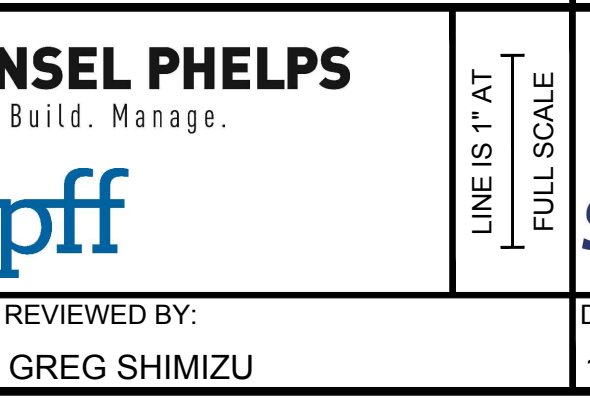
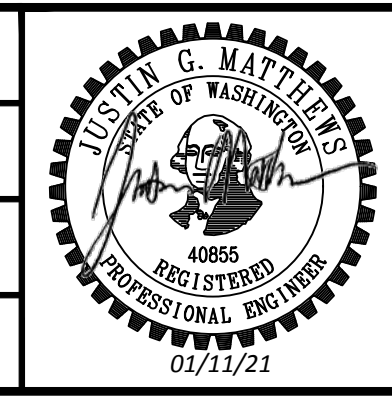
**GARAGE 6" FIRE SERVICE**  
 SCALE: H: 1"=20' V: 1"=5'

**APPROVED**  
 BY: *Frank Beckey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

01/07/21 | 3:04 PM | JONG  
 Z:\19000001-19009991\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-UCV022.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	01/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
 DRAWN BY:  
J. CURTIS  
 CHECKED BY:  
J. MATTHEWS  
 APPROVED BY:  
J. MATTHEWS



PACKAGE #	DP-2	SITework AND UTILITIES	
SCALE:	AS NOTED	PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18	
FILENAME:	S317-F1592-UCV022	PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS	
CONTRACT No.:	RTA/CN 0612-18	UTILITIES COMPOSITE PROFILES	
DATE:	12/04/2020	DRAWING No.:	F1592-UCV022
SUBMITTAL DATE:	12/04/2020	FACILITY ID:	F1592
		SHEET No.:	REV: 40/81

DATE:	12/04/2020
SUBMITTAL DATE:	12/04/2020



NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE. FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3

**NOTES:**

- THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
  - BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
  - THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
  - CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
  - RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
  - BLOCKS MUST BE POSITIONED TO CONTRIBUTE THE DIRECTION OF THE RESULTANT THRUST FORCE.
- ALL PIPE SHALL BE PROPERLY BEDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 08.01.01.
- CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
- DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
- BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/15/2019  
**HORIZONTAL THRUST BLOCKING**  
NOT TO SCALE  
CITY STANDARD: 03.02.01-1

**TABLE 2: THRUST AT FITTINGS AT 200 PSI**

SIZE	TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI				
		A	B	C	D	E
4"	200	3,440	4,440	2,455	1,235	615
6"	200	7,070	9,955	5,410	2,780	1,385
8"	200	12,585	17,770	9,820	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

**TABLE 3: BEARING VALUE OF SOIL**

SOIL TYPE	SAFE BEARING LOAD (LBS/SF)
MUCK, PEAT, ETC.	0
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	3,000
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.

**NOTES:**

- TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE TO 200 PSI.  
EXAMPLE: THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.  
 $39,985 \times \frac{300}{200} = 59,978$  LBS
- TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):  
SEE TABLE 3, BEARING VALUE OF SOIL.  
EXAMPLE: FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF  
 $59,978 \text{ LBS} \div 3,000 \text{ LBS/SF} = 20 \text{ SF OF AREA}$
- 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.A.) PLUG OR CAP.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/15/2019  
**THRUST BLOCKING TABLE**  
NOT TO SCALE  
CITY STANDARD: 03.02.01-3

**NOTES:**

- FOR SINGLE FAMILY RESIDENTIAL CONSTRUCTION THE CITY SHALL SUPPLY AND INSTALL THE WATER METER AND TRANSMITTER AT THE TIME OF OCCUPANCY. FOR COMMERCIAL CONSTRUCTION THE CONTRACTOR SHALL SUPPLY AND INSTALL THE METER AND TRANSMITTER.
- ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
- NORMALLY THE WATER METER BOX SHOULD BE LOCATED IN THE PLANTING STRIP. IF SIDEWALK IS AGAINST THE CURB, PLACE METER BOX DIRECTLY BEHIND THE SIDEWALK.
- THE WATER METER BOX SHALL NOT BE LOCATED IN HARD SURFACES. WHEN UNAVOIDABLE, EXCEPTIONS CAN BE MADE AT END OF CURB-TO-SAGS OR PAN HANDLED LOTS.
- ALL COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
- THE WATER SERVICE LINE SHALL BE BEDDED IN WASHED SAND WITH 36" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.
- WATER MAIN SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM COVER OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- DUAL SERVICE SHALL BE CENTERED ON PROPERTY LINE.
- ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SIDR 7, BLUE IN COLOR, 200 PSI MINIMUM.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/15/2019  
**3/4" OR 1" WATER SERVICE CONNECTION**  
NOT TO SCALE  
CITY STANDARD: 03.03.01

**NOTES:**

- ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
- NORMALLY THE WATER METER BOX SHOULD BE LOCATED IN THE PLANTING STRIP. IF SIDEWALK IS AGAINST THE CURB, PLACE METER BOX DIRECTLY BEHIND THE SIDEWALK. THE WATER METER BOX SHALL NOT BE LOCATED IN HARD SURFACES. WHEN UNAVOIDABLE, EXCEPTIONS CAN BE MADE AT END OF CURB-TO-SAGS OR PAN HANDLED LOTS.
- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- ALL POLY PIPE COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
- THE WATER SERVICE LINE SHALL BE BEDDED IN WASHED SAND WITH 36" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.
- ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SIDR 7, BLUE IN COLOR, 200 PSI MINIMUM.
- FOR A 1-1/2" WATER SERVICE, ALL MATERIAL SHALL BE 2" FROM THE WATER MAIN TO THE COPPERSETTER. REDUCE FROM 2" TO 1-1/2" IMMEDIATELY BEFORE COPPERSETTER.
- THE STAINLESS STEEL METAL FLANGE BOLTS SHALL BE 5/8" DIAMETER FOR THE 1-1/2" METER, AND 3/4" DIAMETER FOR THE 2" METER.
- DUAL SERVICE SHALL BE CENTERED ON PROPERTY LINE.
- ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SIDR 7, BLUE IN COLOR, 200 PSI MINIMUM.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 10/15/2019  
**1-1/2" AND 2" WATER SERVICE CONNECTION**  
NOT TO SCALE  
CITY STANDARD: 03.03.02

**NOTES:**

- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
- THE DOVA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 30TH AVE SE, PUYALLUP, WA 98374.
- DOVA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
- DOVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER, WHEN IRRIGATION SYSTEM IS CONNECTED OFF DOMESTIC WATER LINE. IRRIGATION DOVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
- DOVA SHALL BE SIZED EQUAL OR COMPARABLE TO THE METER SIZE.
- METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A 14-20 LBS LOAD.
- ELECTRIC UNIONS MUST BE USED TO SEPARATE DISSEMBLABLE MATERIALS.
- USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DOVA.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/15/2019  
**2" AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION**  
NOT TO SCALE  
CITY STANDARD: 03.04.01

**NOTES:**

- WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" FROM FINISHED GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN FIVE (5) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF TWO (2) FEET LONG, ONLY ONE EXTENSION TO BE USED PER VALVE. TOP OF EXTENSION SHALL BE 2 FEET 6 INCHES TO 3 FEET BELOW FINISHED GRADE.
- ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT.
- VALVE BOXES SHALL BE TWO-PIECE ADJUSTABLE CAST IRON WITH EXTENSION PIECES (IF NECESSARY), AS MANUFACTURED BY THE VARIOUS #940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF ON THE VALVE BOX COVER. VALVE BOX TOPS INSTALLED IN ARTERIAL ROADWAYS SHALL BE MANUFACTURED BY EAST JORDAN (EJ) ROHMBOURG MODEL 8088 WITH VALVE BOX COVER MODEL 8080 OR APPROVED EQUAL.
- HOSE LINE CUTS SHALL BE SEALED WITH A HOT TAPPING GRADE ASPHALT AND FACE OF CUT TACKED.
- WATER MAINS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH DIVISION 7 OF THE WSDOT STANDARD SPECIFICATIONS SUPPLEMENTED WITH THE FOLLOWING:
  - DUCTILE IRON PIPE SHALL CONFORM TO ANWA C 151, THICKNESS CLASS S2, AND THE EXTERIOR SHALL BE COATED WITH COAL TAR VARNISH. PIPE AND FITTINGS SHALL BE WORKED UNDER AND SHALL CONFORM TO ANWA C 104. THE THICKNESS OF THE LINED SHALL BE NOT LESS THAN 1/16" THICK FOR 3" TO 12" PIPE, 3/32" THICK FOR 14" TO 24" PIPE, AND 1/8" THICK FOR 30" TO 54" PIPE. THE CEMENT LINING SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 150.
  - JOINTS SHALL BE WYTH PUSH-ON JOINTS OR APPROVED EQUAL, OR MECHANICAL JOINT TYPE PER ANWA C 111 EXCEPT WHERE FLANGED JOINTS ARE REQUIRED TO CONNECT TO VALVES OR OTHER EQUIPMENT.
  - BOLTS AND NUTS FOR FLANGED FLANGES LOCATED OUTDOORS, ABOVE GROUND, OR IN OPEN VAULTS IN STRUCTURES SHALL BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM A 193, GRADE B19 FOR BOLTS, AND ASTM A 194, GRADE B19 FOR NUTS. BOLTS AND NUTS LARGER THAN ONE AND ONE-QUARTER (1-1/4) INCHES SHALL BE STEEL, ASTM A 307, GRADE B, WITH CADMIUM PLATING, ASTM A 185, TYPE NS.
  - BOLTS USED IN FLANGE INSTALLATION SETS SHALL CONFORM TO ASTM B 193, GRADE B7, WITH CADMIUM PLATING, ASTM A 194, GRADE B24.
  - PROVIDE A WASHER FOR EACH NUT, WHERE NEEDED. WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.
  - ALL FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF ANWA C 110 AND ANWA C 111.
  - RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR TEN (10) INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN TEN (10) INCHES.
    - RESILIENT SEATED WEDGE GATE VALVES SHALL CONFORM TO THE LATEST ANWA SPECIFICATIONS FOR COLD WATER, DOUBLE-DISK GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED, BRONZE MOUNTED, NON-RISING STEM, WITH TWO (2) INCH SQUARE NUT, COUNTER-CLOCKWISE OPERATING, MECHANICAL JOINT AND 7/8" FLANGED DISK (6" INCHES OR THEREABOUT) WHICH SHALL BE MECHANICAL, CENTER BE FLANGED. WAVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MANUFACTURER COMPANY OR APPROVED EQUAL.
    - BUTTERFLY VALVES CONFORMING WITH ANWA C 504, CLASS 150 AND SHALL HAVE STANDARD ANWA TWO (2) INCH SQUARE NUT, 3-1/2" DIA.
  - DETECTABLE MARKING TAPE SHALL BE INSTALLED 18" ABOVE PIPE, BE BLUE IN COLOR, AND READ "CAUTION WATER LINE BELOW" MEETING WSDOT SPEC. 2-15.16.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/15/2019  
**WATER VALVES AND MAINS**  
NOT TO SCALE  
CITY STANDARD: 03.01.01

**APPROVED**  
BY: *Jane Bailey*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.**  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**NEW DRAWING**

12/22/20 | 9:38 AM | MICHAEL V. ZIEMER | 19009891900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/S317-F1592-UCD021.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	1/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	12/04/20	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
S. GUJULUVA RAJAN  
DRAWN BY:  
M. VU  
CHECKED BY:  
J. MATTHEWS  
APPROVED BY:  
J. MATTHEWS

**JUSTIN G. MATTHEWS**  
REGISTERED PROFESSIONAL ENGINEER  
1908  
01/11/21

**kpff**  
SUBMITTED BY:  
SARA ROBERTS

**HENSEL PHELPS**  
Plan. Build. Manage.  
**kpff**  
DATE:  
12/04/2020  
REVIEWED BY:  
GREG SHIMIZU

**SOUNDTRANSIT**  
DATE:  
12/04/2020

**PACKAGE # DP-2**  
**SITework AND UTILITIES**  
SCALE:  
N.T.S.  
FILENAME:  
S317-F1592-UCD021  
CONTRACT No.:  
RTA/CN 0612-18  
SUBMITTAL DATE:  
12/04/2020

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**  
**PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS**  
CIVIL UTILITY DETAILS

DRAWING No.:  
**F1592-UCD021**  
FACILITY ID:  
F1592  
SHEET No.:  
REV:  
41/81



**COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION**

**NOTES:**

- SAMPLING CONNECTION SHALL BE INSTALLED OUTSIDE WITH UNOBSTRUCTED ACCESS AT ALL TIMES.
- A SAMPLING CONNECTION SHALL BE INSTALLED FOR EACH COMMERCIAL / RETAIL UNIT OR SPACE.
- CLEAN OUT AND SAMPLING CONNECTION COVERS:
  - A) FOR NON-VEHICULAR TRAFFIC INSTALLATIONS USE "CARSON" MODEL 910 GREEN YARD BOX WITH BOLT DOWN LID MARKED SEWER OR APPROVED EQUAL.
  - B) FOR ASPHALT, GRAVEL, OR TRAFFIC INSTALLATIONS SEE CITY STANDARD DETAIL NO. 04.03.05 FRAME AND COVER SECTION.
- EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTER, HUB x FEMALE, FIT, PVC SI AND ONE CLEANOUT PLUG, MOPT WITH RAISED NUT, PVC 50035.

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

**APPROVED FOR PUBLICATION**  
DATE: 02/17/2021  
CITY STANDARD: 03.02.01-3

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

- 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.
- THE SEWER MAIN TAP SHALL BE CUT WITH A SEWER PIPE TAPPING MACHINE (HOLE SAW) CAPABLE OF RETAINING THE COUPON.
- THE ROUND HOLE CUT INTO THE SEWER MAIN SHALL BE NO LARGER THAN THE INSIDE DIAMETER OF THE SADDLE GASKET. THE HOLE SAW CUT EDGES SHALL BE SMOOTH.
- 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 SUBSEQUENT DAMAGES CAUSED BY A LOST COUPON.
- BOLTS SHALL BE TORQUED TO MANUFACTURE SPECIFICATIONS, THEN RETORQUED AFTER 10 MINUTES.
- 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 THIS REQUIREMENT.
- 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 BE IN ACCORDANCE WITH THE "CITY STANDARDS" MANUAL.
- 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**

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

**APPROVED FOR PUBLICATION**  
DATE: 02/17/2021  
CITY STANDARD: 04.02.01

**NOTES:**

- NEAT LINE CUTS SHALL BE SEALED AT TOP WITH A HOT PAWING GRADE AND FACE OF CUT TRACKED.
- TOP OF SHELF, SLOPE 1/2" PER FOOT, CONSTRUCT IN FIELD CHANNEL AND SHELF TO THE CROWN OF THE PIPE.

**SANITARY SEWER MANHOLE**

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

**APPROVED FOR PUBLICATION**  
DATE: 02/17/2021  
CITY STANDARD: 04.01.01

**NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE. FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3**

**NOTES:**

- THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
  - A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
  - B. THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
  - C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
  - 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.
- ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.
- CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
- DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
- BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**APPROVED FOR PUBLICATION**  
DATE: 2/17/2021  
CITY STANDARD: 03.02.01-1

**VERTICAL THRUST BLOCKING**

**TABLE 1: CONCRETE BLOCKING FOR VERTICAL BENDS**

PIPE DIAMETER (INCHES)	TEST PRESSURE (PSI)	BEND ANGLE (DEG)	CONCRETE VOLUME (CY)	CHAIN SIZE (INCHES)	CHAIN EMBEDMENT (INCHES)	
4"	200	11.25°	8	1.8	3/8"	17"
		22.5°	12	3.3		
		45°	22	5.8		
6"	200	11.25°	14	2.4	3/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	200	11.25°	25	2.9	3/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	200	11.25°	36	3.4	3/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	200	11.25°	55	3.8	3/8"	17"
		22.5°	108	4.8		
		45°	200	5.8		
14"	200	11.25°	75	4.2	3/8"	17"
		22.5°	147	5.3		
		45°	272	6.5		
16"	200	11.25°	98	4.8	3/8"	17"
		22.5°	192	5.8		
		45°	355	7.1		

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**APPROVED FOR PUBLICATION**  
DATE: 2/17/2021  
CITY STANDARD: 03.02.01-2

**2" AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION**

**NOTES:**

- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
- THE DOWA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SUITABILITY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98744.
- DOWA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
- DOWA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER. WHEN IRRIGATION SYSTEM IS CONNECTED OFF DOMESTIC WATER LINE, IRRIGATION DOWA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
- DOWA SHALL BE SIZED EQUAL OR COMPARABLE TO METER SIZE.
- METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A H-20 LOADING.
- SEPARATING UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
- USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DOWA.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**APPROVED FOR PUBLICATION**  
DATE: 02/17/2021  
CITY STANDARD: 03.04.01

**DOUBLE DETECTOR-CHECK VALVE ASSEMBLY INSTALLATION**

**NOTES FOR DOUBLE DETECTOR CHECK VALVE ASSEMBLY (DDCA) INSTALLATION CITY STANDARD 03.10.01-1**

- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
- THE DDCA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SUITABILITY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98744.
- DDCA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
- DDCA IS ALLOWED TO BE LOCATED WITHIN A BUILDING AS APPROVED BY THE FIRE CODE OFFICIAL. WHEN THE DDCA IS LOCATED WITHIN A BUILDING, THE FIRE DEPARTMENT CONNECTION (FDC) SHALL DRIP TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
- IN A WAIST INSTALLATION, IF WAIST CANNOT BE DOWN TO ENLIGHT, A 1/4" HP SUMP PUMP SHALL BE INSTALLED IN THE SUMP PIT OF THE WAIST. IT SHALL BE WIRED PER WASHINGTON STATE ELECTRICAL CODE, AND INSPECTED BY A STATE ELECTRICAL INSPECTOR. THE DISCHARGE PIPE SHALL BE CONNECTED TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
- DDCA OUTSIDE STEM AND YONGE (OS&Y) GATE VALVES, AND THE POST INDICATOR VALVE (PIV), SHALL HAVE SUPERVISED TAMPER SWITCHES.
- ALL ELECTRICAL SHALL BE INSPECTED BY A WASHINGTON STATE ELECTRICAL INSPECTOR.
- IN A WAIST INSTALLATION, RUN TWO 3/4" SCHEDULE 80 PVC CONDUITS TO THE WAIST. ONE WILL BE USED FOR A GFCI PROTECTED CIRCUIT, AND ONE WILL BE FOR LOW VOLTAGE COMING FROM THE FIRE ALARM PANEL. INSTALL AN APPLETON FSDA OR FSDA CAST DEVICE BOX OR APPROVED EQUAL ON THE WAIST WALL AT THE CONSTANT PENETRATION.
- IN A WAIST INSTALLATION, RUN LOW VOLTAGE WIRE INSIDE VAULT AND TO PIV THROUGH SEAL-TIGHT FLEX CONDUIT. CONDUIT SHALL BE SECURELY FASTENED PERPENDICULAR OR HORIZONTALLY TO THE WALLS OF THE VAULT.
- WATER METER SHALL BE A SENSUS SRII TRPL READING IN 1 CUBIC FEET.
- PIPE SUPPORTS SHALL BE RUST-PROTECTED WITH ALUMINUM PAINT.
- THE FDC SHALL BE LOCATED WITHIN 15 FEET OF A FIRE HYDRANT, BUT NOT LESS THAN 10 FEET.
- THE FDC AND PIV SHALL BE A MINIMUM OF 50 FEET FROM A BUILDING, UNLESS APPROVED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL, BUT NEVER LESS THAN 5 FEET FROM BUILDING.
- A DDCA INSTALLED MORE THAN 5 FEET ABOVE THE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST BE OSHA APPROVED AND MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**APPROVED FOR PUBLICATION**  
DATE: 02/17/2021  
CITY STANDARD: 03.10.01-1

**DOUBLE DETECTOR-CHECK VALVE ASSEMBLY INSTALLATION**

**NOTES FOR DOUBLE DETECTOR CHECK VALVE ASSEMBLY (DDCA) INSTALLATION CITY STANDARD 03.10.01-1**

- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
- THE DDCA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SUITABILITY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98744.
- DDCA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
- DDCA IS ALLOWED TO BE LOCATED WITHIN A BUILDING AS APPROVED BY THE FIRE CODE OFFICIAL. WHEN THE DDCA IS LOCATED WITHIN A BUILDING, THE FIRE DEPARTMENT CONNECTION (FDC) SHALL DRIP TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
- IN A WAIST INSTALLATION, IF WAIST CANNOT BE DOWN TO ENLIGHT, A 1/4" HP SUMP PUMP SHALL BE INSTALLED IN THE SUMP PIT OF THE WAIST. IT SHALL BE WIRED PER WASHINGTON STATE ELECTRICAL CODE, AND INSPECTED BY A STATE ELECTRICAL INSPECTOR. THE DISCHARGE PIPE SHALL BE CONNECTED TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
- DDCA OUTSIDE STEM AND YONGE (OS&Y) GATE VALVES, AND THE POST INDICATOR VALVE (PIV), SHALL HAVE SUPERVISED TAMPER SWITCHES.
- ALL ELECTRICAL SHALL BE INSPECTED BY A WASHINGTON STATE ELECTRICAL INSPECTOR.
- IN A WAIST INSTALLATION, RUN TWO 3/4" SCHEDULE 80 PVC CONDUITS TO THE WAIST. ONE WILL BE USED FOR A GFCI PROTECTED CIRCUIT, AND ONE WILL BE FOR LOW VOLTAGE COMING FROM THE FIRE ALARM PANEL. INSTALL AN APPLETON FSDA OR FSDA CAST DEVICE BOX OR APPROVED EQUAL ON THE WAIST WALL AT THE CONSTANT PENETRATION.
- IN A WAIST INSTALLATION, RUN LOW VOLTAGE WIRE INSIDE VAULT AND TO PIV THROUGH SEAL-TIGHT FLEX CONDUIT. CONDUIT SHALL BE SECURELY FASTENED PERPENDICULAR OR HORIZONTALLY TO THE WALLS OF THE VAULT.
- WATER METER SHALL BE A SENSUS SRII TRPL READING IN 1 CUBIC FEET.
- PIPE SUPPORTS SHALL BE RUST-PROTECTED WITH ALUMINUM PAINT.
- THE FDC SHALL BE LOCATED WITHIN 15 FEET OF A FIRE HYDRANT, BUT NOT LESS THAN 10 FEET.
- THE FDC AND PIV SHALL BE A MINIMUM OF 50 FEET FROM A BUILDING, UNLESS APPROVED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL, BUT NEVER LESS THAN 5 FEET FROM BUILDING.
- A DDCA INSTALLED MORE THAN 5 FEET ABOVE THE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST BE OSHA APPROVED AND MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**APPROVED FOR PUBLICATION**  
DATE: 2/17/2021  
CITY STANDARD: 03.10.01-2

**APPROVED**  
BY: *Paul Bailey*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE: 2/17/2021  
**NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.**  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

02/12/21 | 7:32 AM | MICHAEL V ZI19000001-19009991900096 ST PUYALLUP DB GARAGE/CADD/DESIGN/317-F1592-UCD022.DWG

**CIVIL PERMIT RESUBMITTAL**

No.	DATE	DSN	CHK	APP	REVISION
B	02/12/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
A	01/11/21	SGR	JGM	JGM	REVISIONS FOR CITY PERMIT 0504
0	01/27/21	SGR	JGM	JGM	ISSUED FOR CONSTRUCTION

DESIGNED BY:  
**S. KIRBY**  
DRAWN BY:  
**M. VU**  
CHECKED BY:  
**J. MATTHEWS**  
APPROVED BY:  
**J. MATTHEWS**



**kpff**  
SUBMITTED BY:  
**SARA ROBERTS**

**HENSEL PHELPS**  
Plan. Build. Manage.  
**kpff**  
DATE:  
**01/27/2021**  
REVIEWED BY:  
**GREG SHIMIZU**

PACKAGE #  
**DP-2**  
SITework AND UTILITIES

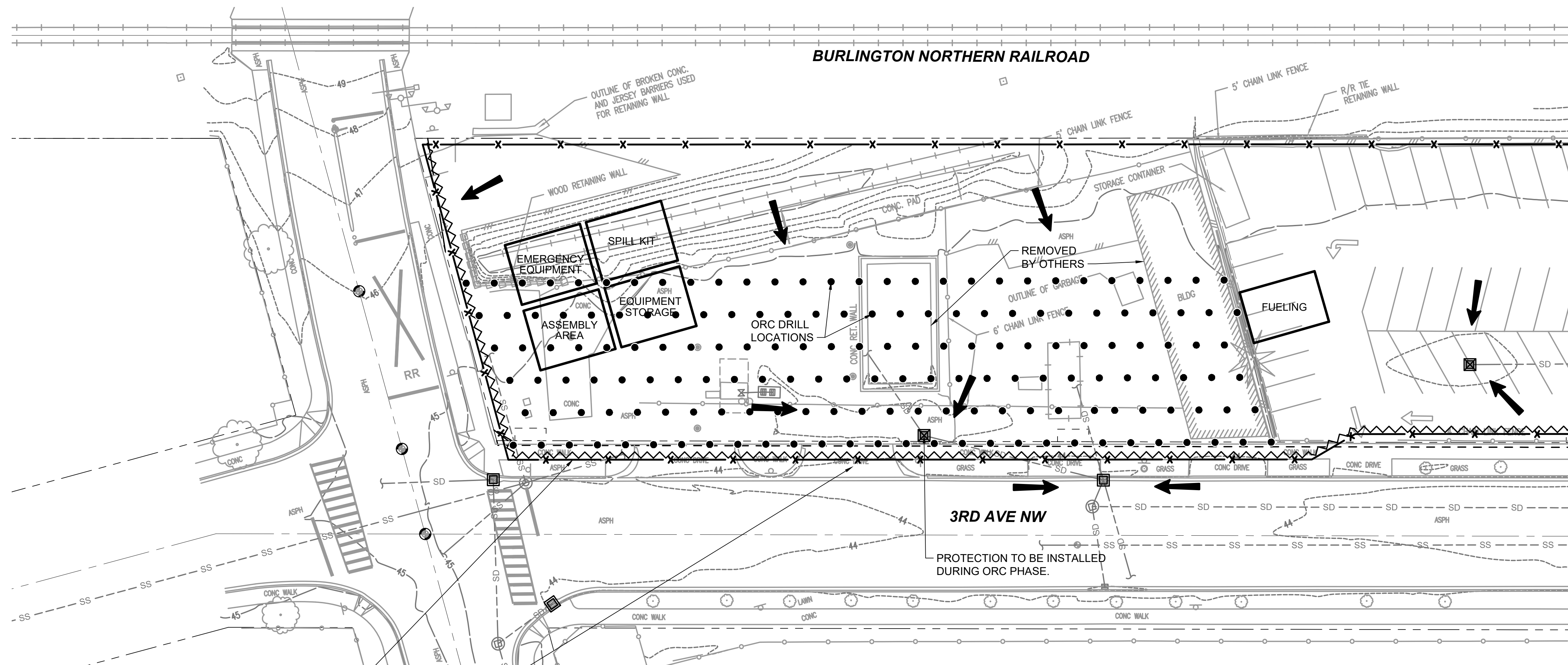
SCALE:  
NTS  
FILENAME:  
**S317-F1592-UCD022**  
CONTRACT No.:  
**RTA/CN 0612-18**  
SUBMITTAL DATE:  
**01/27/2021**

**PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18**  
Puyallup Station Parking and Access Improvements  
CIVIL UTILITY DETAILS

DRAWING No.:  
**F1592-UCD022**  
FACILITY ID:  
**F1592**  
SHEET No.:  
**40**  
REV:  
**42/81**



07/23/20 | 12:41 PM | JEFFSTEWART  
Z:\SHARED\CADD\2098\_PUYALLUP STATION PARKING & ACCESS IMPROVEMENTS\TESCTP102.DWG



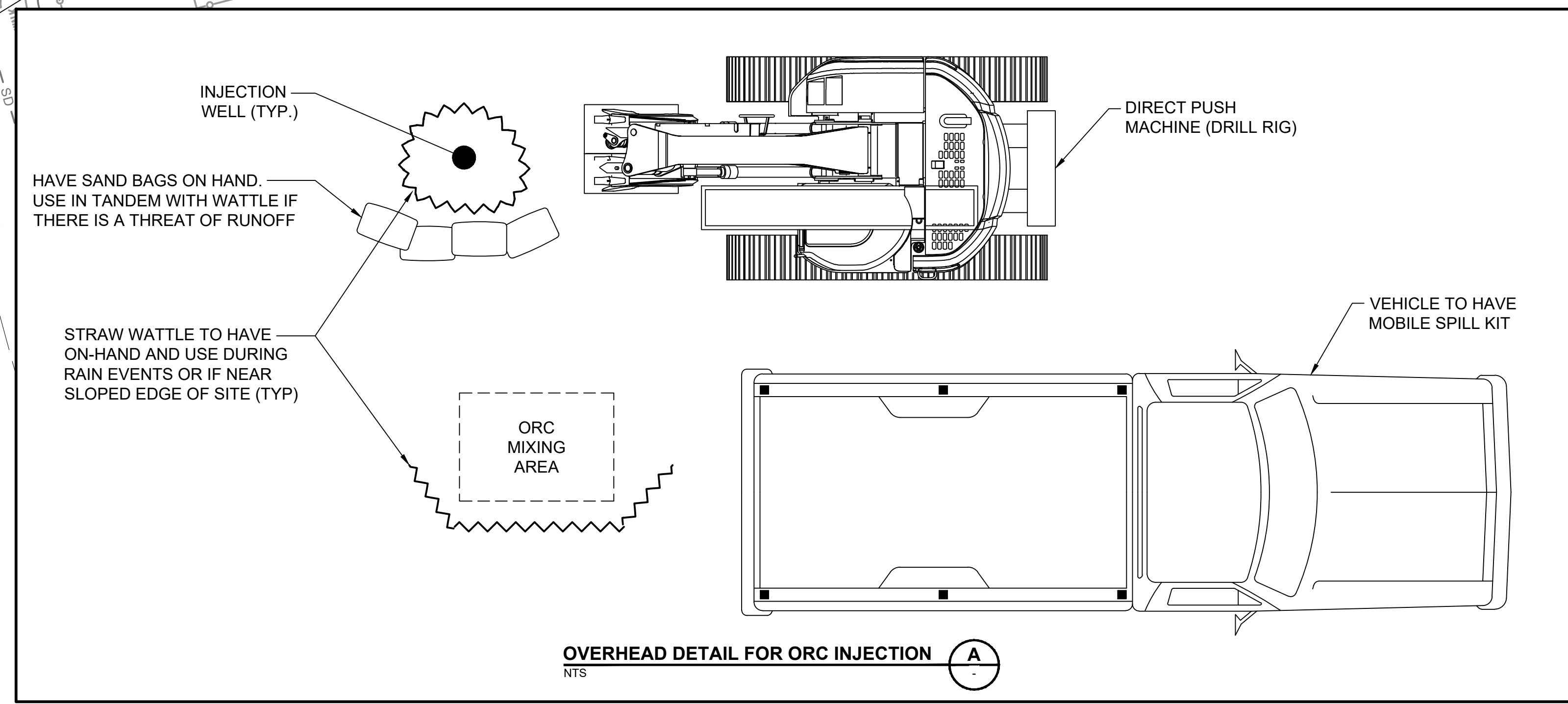
- GENERAL NOTES:**
1. DETAIL A ON CTP102 WILL APPLY DURING THE ORC DRILLING PHASE OF WORK (ORC PHASE).
  2. ORC PHASE TO OCCUR PRIOR TO CLEAR AND GRADE PHASE.
  3. OTHER TESC ELEMENTS DEPICTED IN THE SHEET (E.G., PANEL FENCE, WATTLES, OTHER INLET PROTECTION, ETC.) WILL BE ESTABLISHED PRIOR TO BUILDING DEMO AND CLEAR AND GRADE PHASE.
  4. CONSTRUCTION ENTRANCES FOR ORC PHASE ARE SHOWN WITH NOTES IN THE DRAWING.
  5. VEHICLES ENTERING/EXITING WORK AREA DURING ORC PHASE WILL ISOLATE TO EXISTING HARD OR GRAVEL SURFACES. IF NOT POSSIBLE, VEHICLES WILL CIRCLE ON HARD SURFACES INSIDE OF THE WORK AREA TO SHED AS MUCH DIRT AND DUST FROM WHEELS PRIOR TO ENTERING PUBLIC STREET.
  6. SWEEPER TRUCK WILL BE ON-CALL FOR ORC PHASE IF DIRT IS TRACKED OUTSIDE OF WORK AREA.
  7. ONLY INLETS DIRECTLY ADJACENT TO ORC INJECTION WORK TO BE PROTECTED DURING ORC INJECTION PHASE.
  8. REMAINING INLET PROTECTION IN DRAWING TO BE ESTABLISHED PRIOR TO CLEAR AND GRADE PHASE OF WORK.

MATCHLINE: STA 00+00 SEE DWG F1592-CTP103

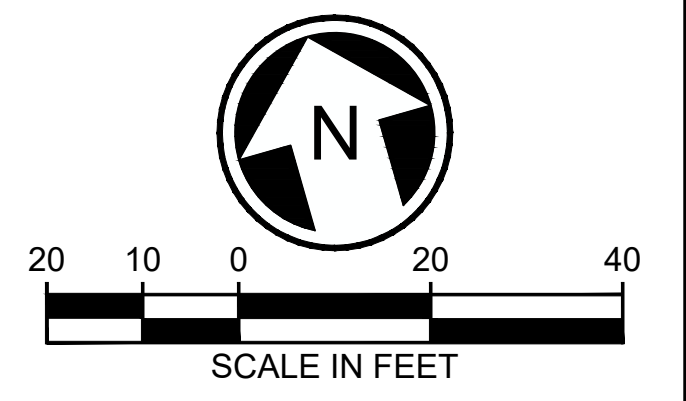
**APPROVED**  
 BY: *Jack Beckey*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

FENCE LOCATION IS DIAGRAMATIC; ACTUAL LOCATION WILL BE AS-BUILT IN UPDATES. FENCE TO BE ESTABLISHED PRIOR TO CLEARING AND GRADING

CONSTRUCTION ENTRANCE FOR ORC INJECTION PHASE



- LEGEND:**
- x- PANEL FENCE
  - [Hatched Box] CONSTRUCTION ENTRANCE
  - [Wavy Line] STRAW WATTLE
  - [Square with X] CATCH BASIN FILTER SOCK
  - [Square with X] BLOCKED CATCH BASIN OR DRAIN WITH PLASTIC OR SIMILAR
  - [Dot] ORC BORINGS
  - [Arrow] FLOW DIRECTION



**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
M. FOSTER  
 DRAWN BY:  
J. STEWART  
 CHECKED BY:  
E. LAUMBATTUS  
 APPROVED BY:  
M. FOSTER

NO. DATE DSN CHK APP REVISION

OSG  
O'Neill Service Group

SUBMITTED BY:  
SARA ROBERTS

HENSEL PHELPS  
Plan. Build. Manage.

kpff

DATE:  
XX/XX/XXXX

REVIEWED BY:  
GREG SHIMIZU

PACKAGE # DP-1 EARLY WORK

SOUNDTRANSIT

SCALE:  
1"=20'  
 FILENAME:  
CTP102  
 CONTRACT No.:  
RTA / DB 0612-18  
 SUBMITTAL DATE:  
08/17/2020

PUYALLUP STATION PARKING  
CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING ACCESS  
IMPROVEMENTS

CIVIL  
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

DRAWING No.:  
F1592-CTP102  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
43/81

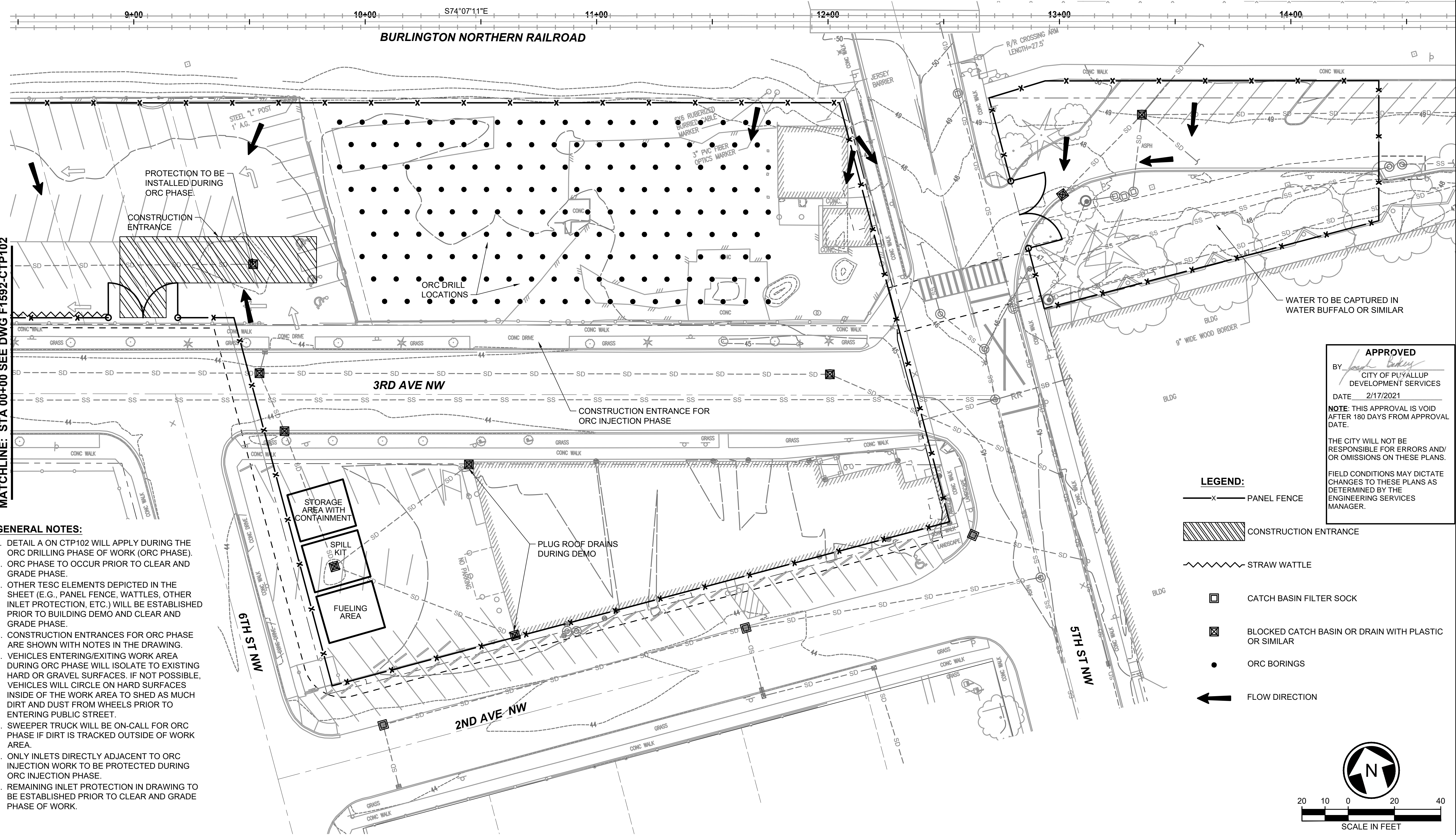


07/23/20 12:32 PM | JEFF STEWART  
Z:\SHARED\CADD\2098\_PUYALLUP STATION PARKING & ACCESS IMPROVEMENTS\TESC\CTP103.DWG

MATCHLINE: STA 00+00 SEE DWG F1592-CTP102

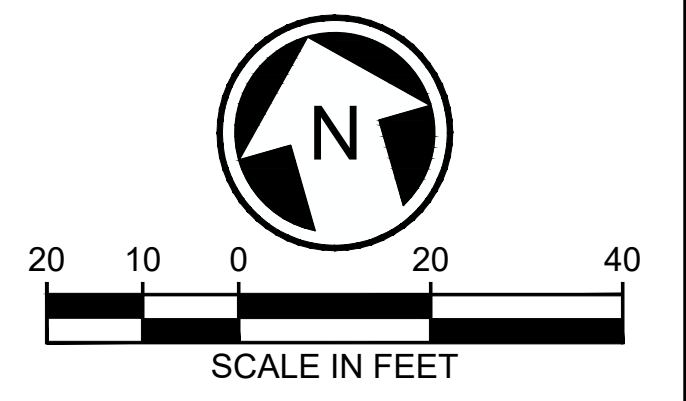
**GENERAL NOTES:**

1. DETAIL A ON CTP102 WILL APPLY DURING THE ORC DRILLING PHASE OF WORK (ORC PHASE).
2. ORC PHASE TO OCCUR PRIOR TO CLEAR AND GRADE PHASE.
3. OTHER TESC ELEMENTS DEPICTED IN THE SHEET (E.G., PANEL FENCE, WATTLES, OTHER INLET PROTECTION, ETC.) WILL BE ESTABLISHED PRIOR TO BUILDING DEMO AND CLEAR AND GRADE PHASE.
4. CONSTRUCTION ENTRANCES FOR ORC PHASE ARE SHOWN WITH NOTES IN THE DRAWING.
5. VEHICLES ENTERING/EXITING WORK AREA DURING ORC PHASE WILL ISOLATE TO EXISTING HARD OR GRAVEL SURFACES. IF NOT POSSIBLE, VEHICLES WILL CIRCLE ON HARD SURFACES INSIDE OF THE WORK AREA TO SHED AS MUCH DIRT AND DUST FROM WHEELS PRIOR TO ENTERING PUBLIC STREET.
6. SWEEPER TRUCK WILL BE ON-CALL FOR ORC PHASE IF DIRT IS TRACKED OUTSIDE OF WORK AREA.
7. ONLY INLETS DIRECTLY ADJACENT TO ORC INJECTION WORK TO BE PROTECTED DURING ORC INJECTION PHASE.
8. REMAINING INLET PROTECTION IN DRAWING TO BE ESTABLISHED PRIOR TO CLEAR AND GRADE PHASE OF WORK.



**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

- LEGEND:**
- PANEL FENCE
  - CONSTRUCTION ENTRANCE
  - STRAW WATTLE
  - CATCH BASIN FILTER SOCK
  - BLOCKED CATCH BASIN OR DRAIN WITH PLASTIC OR SIMILAR
  - ORC BORINGS
  - FLOW DIRECTION



**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
M. FOSTER  
 DRAWN BY:  
J. STEWART  
 CHECKED BY:  
E. LAUMBATTUS  
 APPROVED BY:  
M. FOSTER



PACKAGE # DP-1 EARLY WORK  
 SCALE: 1"=20'  
 FILENAME: CTP103  
 CONTRACT No.: RTA / DB 0612-18  
 SUBMITTAL DATE: 08/17/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING ACCESS  
 IMPROVEMENTS**  
 CIVIL  
 TEMPORARY EROSION AND SEDIMENT CONTROL PLAN

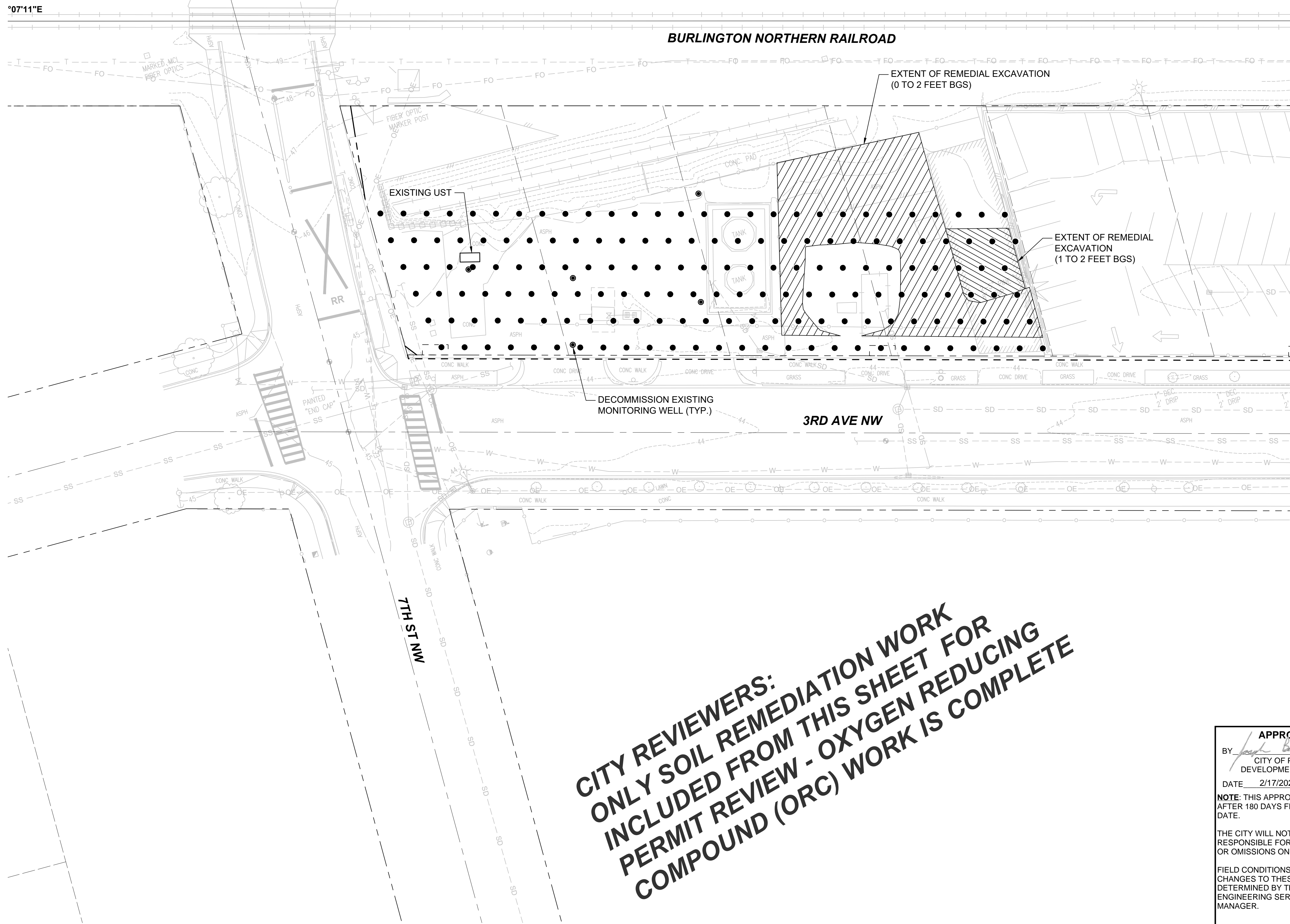
DRAWING No.: F1592-CTP103  
 FACILITY ID: F1592  
 SHEET No.: REV: 44/81

No.	DATE	DSN	CHK	APP	REVISION

SUBMITTED BY: SARA ROBERTS  
 DATE: XX/XX/XXXX  
 REVIEWED BY: GREG SHIMIZU



07/24/20 9:46 AM | TMICHAUD P:\44082056\CAD\00\G-ORC DESIGN SHEETS\00\019143 PSA\PROJECT FILES\03 DESIGN TEAM FILES\20\_CADD\00\_CURRENT FILES\ENVIRONMENTAL\S317-F1592-BSP102.DWG



- NOTES:**
- SEE DRAWING F1592-BSY100 FOR TYPICAL DETAIL AND GENERAL NOTES.
  - ORC APPLICATION TO BE INSTALLED PER THE APPROVED OXYGEN RELEASE COMPOUND (ORC) APPLICATION WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 02 61 00 AND 02 61 13.
  - SEE SPECIFICATION 02 61 00 FOR ORC BORING COORDINATES.
  - ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES CONFLICTING WITH ORC APPLICATION SHALL BE VERIFIED AS ABANDONED AND REMOVED PRIOR TO ORC APPLICATION, OR ELSE ORC APPLICATION LAYOUT ADJUSTED TO AVOID CONFLICT AND POTENTIAL DAMAGE TO THE EXISTING UTILITY.
  - ORC BORINGS MUST BE COMPLETED BY A WASHINGTON STATE LICENSED DRILLER.
  - REMEDIAL EXCAVATION AND SOIL HANDLING/DISPOSAL TO BE COMPLETED PER THE APPROVED HAZARDOUS AND CONTAMINATED MATERIAL - SCREENING AND HANDLING PLAN (HCS-SHP) WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 01 35 43.13 AND 02 61 13.
  - EXISTING MONITORING WELLS TO BE DECOMMISSIONED BY A WASHINGTON STATE LICENSED DRILLER IN ACCORDANCE WITH RFP SPECIFICATION 02 61 00.
  - EXISTING UNDERGROUND STORAGE TANK (UST) TO BE REMOVED PER THE APPROVED UST REMOVAL WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATION 02 65 00.

MATCHLINE: STA 08+47 SEE DWG BSP103

**CITY REVIEWERS:  
ONLY SOIL REMEDIATION WORK  
INCLUDED FROM THIS SHEET FOR  
PERMIT REVIEW - OXYGEN REDUCING  
COMPOUND (ORC) WORK IS COMPLETE**

- LEGEND & ABBREVIATIONS:**
- 4.5-INCH DIAMETER ORC BORINGS - 9 FT LENGTH
  - MONITORING WELL (EXISTING)
  - ORC OXYGEN RELEASE COMPOUND

**APPROVED**

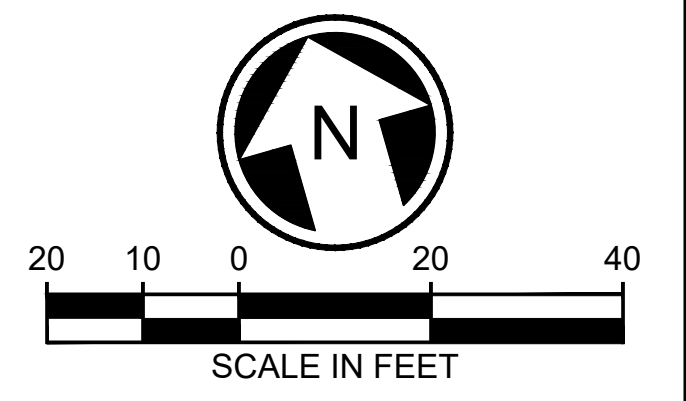
BY: *Paul Berkey*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES

DATE: 2/17/2021

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

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

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



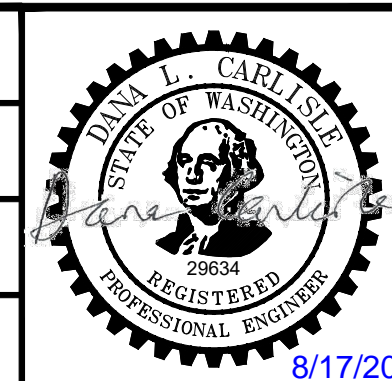
**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
S. BRONSON

DRAWN BY:  
T. MICHAUD

CHECKED BY:  
T. DEOME

APPROVED BY:  
D. CARLISLE



LINE IS 1" AT FULL SCALE

**PACKAGE # DP-1 EARLY WORK**

**SOUNDTRANSIT**

SCALE:  
1"=20'

FILENAME:  
S317-F1592-BSP102

CONTRACT No.:  
RTA/CN 0612-18

SUBMITTAL DATE:  
08/17/2020

**PUYALLUP STATION PARKING  
CONTRACT RTA/CN 0612-18  
PUYALLUP STATION PARKING AND ACCESS  
IMPROVEMENTS**

ENVIRONMENTAL / ENVIRONMENTAL REMEDIATION  
REMEDICATION PLAN (PSI005)

DRAWING No.:  
**F1592-BSP102**

FACILITY ID:  
F1592

SHEET No.: REV:  
**45/81**

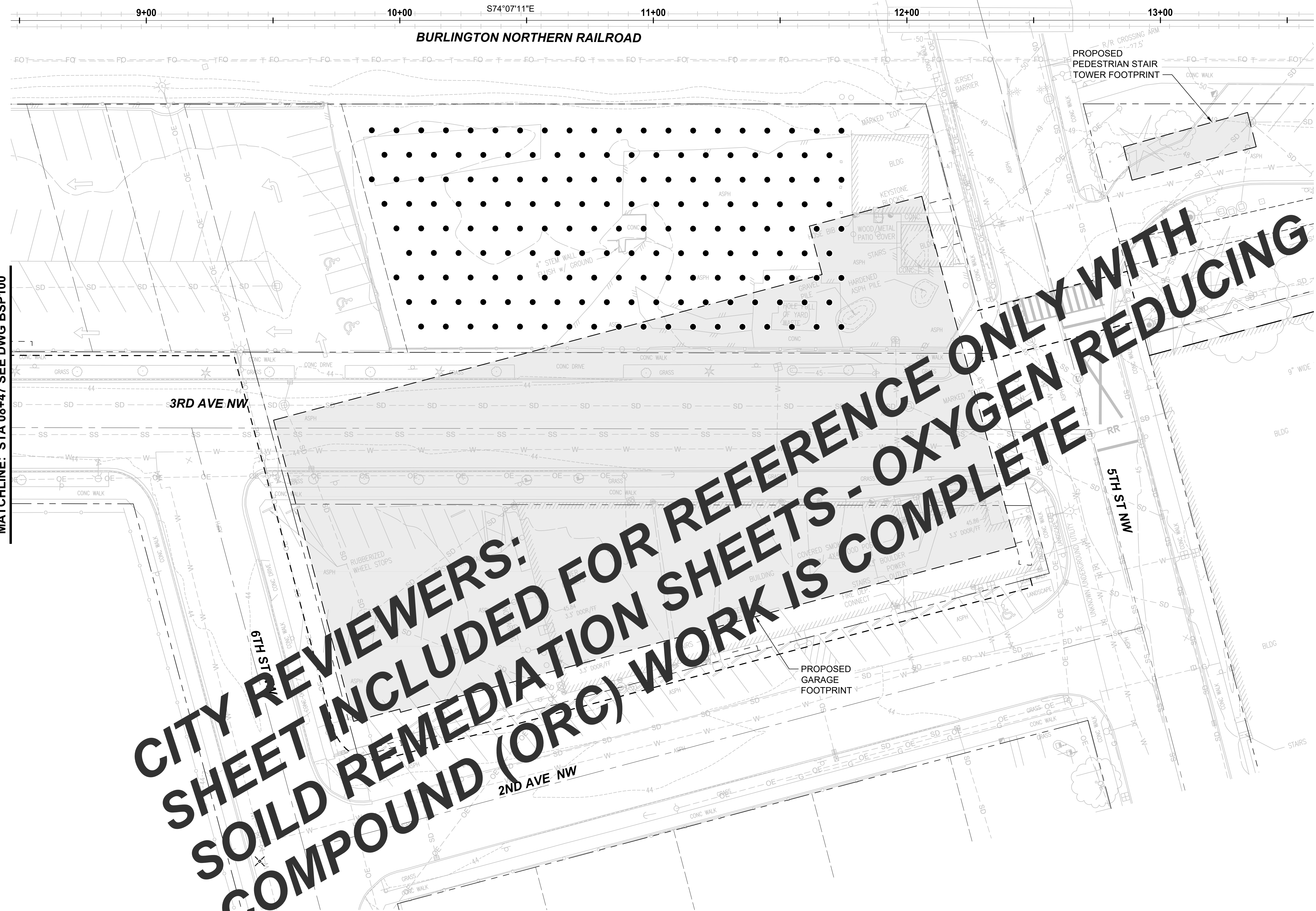
No.	DATE	DSN	CHK	APP	REVISION

SUBMITTED BY: SARA ROBERTS      DATE: XX/XX/XXXX      REVIEWED BY: GREG SHIMIZU



07/30/20 | 4:12 PM | TMICHAUD P:\44082056\CAD\00\G-ORC DESIGN SHEETS\00\5019143 PSA\PROJECT FILES\03 DESIGN TEAM FILES\20\_CADD\00\_CURRENT FILES\ENVIRONMENTAL\S317-F1592-BSP103.DWG

MATCHLINE: STA 08+47 SEE DWG BSP100



CITY REVIEWERS:  
SHEET INCLUDED FOR REFERENCE ONLY WITH  
SOILD REMEDIATION SHEETS - OXYGEN REDUCING  
COMPOUND (ORC) WORK IS COMPLETE

- NOTES:**
- SEE DRAWING F1592-BSY100 FOR TYPICAL DETAIL AND GENERAL NOTES.
  - ORC APPLICATION TO BE INSTALLED PER THE APPROVED OXYGEN RELEASE COMPOUND (ORC) APPLICATION WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 02 61 00 AND 02 61 13.
  - SEE SPECIFICATION 02 61 00 FOR ORC BORING COORDINATES.
  - ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES CONFLICTING WITH ORC APPLICATION SHALL BE VERIFIED AS ABANDONED AND REMOVED PRIOR TO ORC APPLICATION, OR ELSE ORC APPLICATION LAYOUT ADJUSTED TO AVOID CONFLICT AND POTENTIAL DAMAGE TO THE EXISTING UTILITY.
  - ORC BORINGS MUST BE COMPLETED BY A WASHINGTON STATE LICENSED DRILLER.

**APPROVED**

BY: *[Signature]*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES

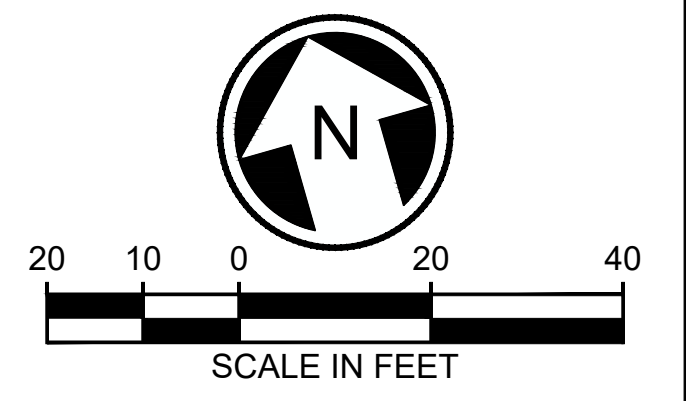
DATE: 2/17/2021

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

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

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

- LEGEND & ABBREVIATIONS:**
- 4.5-INCH DIAMETER ORC BORINGS - 9 FT LENGTH
- ORC OXYGEN RELEASE COMPOUND



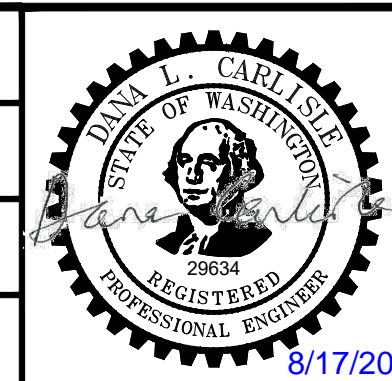
CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:  
S. BRONSON

DRAWN BY:  
T. MICHAUD

CHECKED BY:  
T. DEOME

APPROVED BY:  
D. CARLISLE



GeoENGINEERS

SUBMITTED BY:  
SARA ROBERTS

HENSEL PHELPS  
Plan. Build. Manage.

kpff

DATE:  
XX/XX/XXXX

REVIEWED BY:  
GREG SHIMIZU

DATE:  
XX/XX/XXXX

PACKAGE # DP-1 EARLY WORK

SOUNDTRANSIT

SCALE:  
1"=20'

FILENAME:  
S317-F1592-BSP103

CONTRACT No.:  
RTA/CN 0612-18

SUBMITTAL DATE:  
08/17/2020

PUYALLUP STATION PARKING  
CONTRACT RTA/CN 0612-18  
PUYALLUP STATION PARKING AND ACCESS  
IMPROVEMENTS

ENVIRONMENTAL / ENVIRONMENTAL REMEDIATION  
REMEDATION PLAN (PSI002)

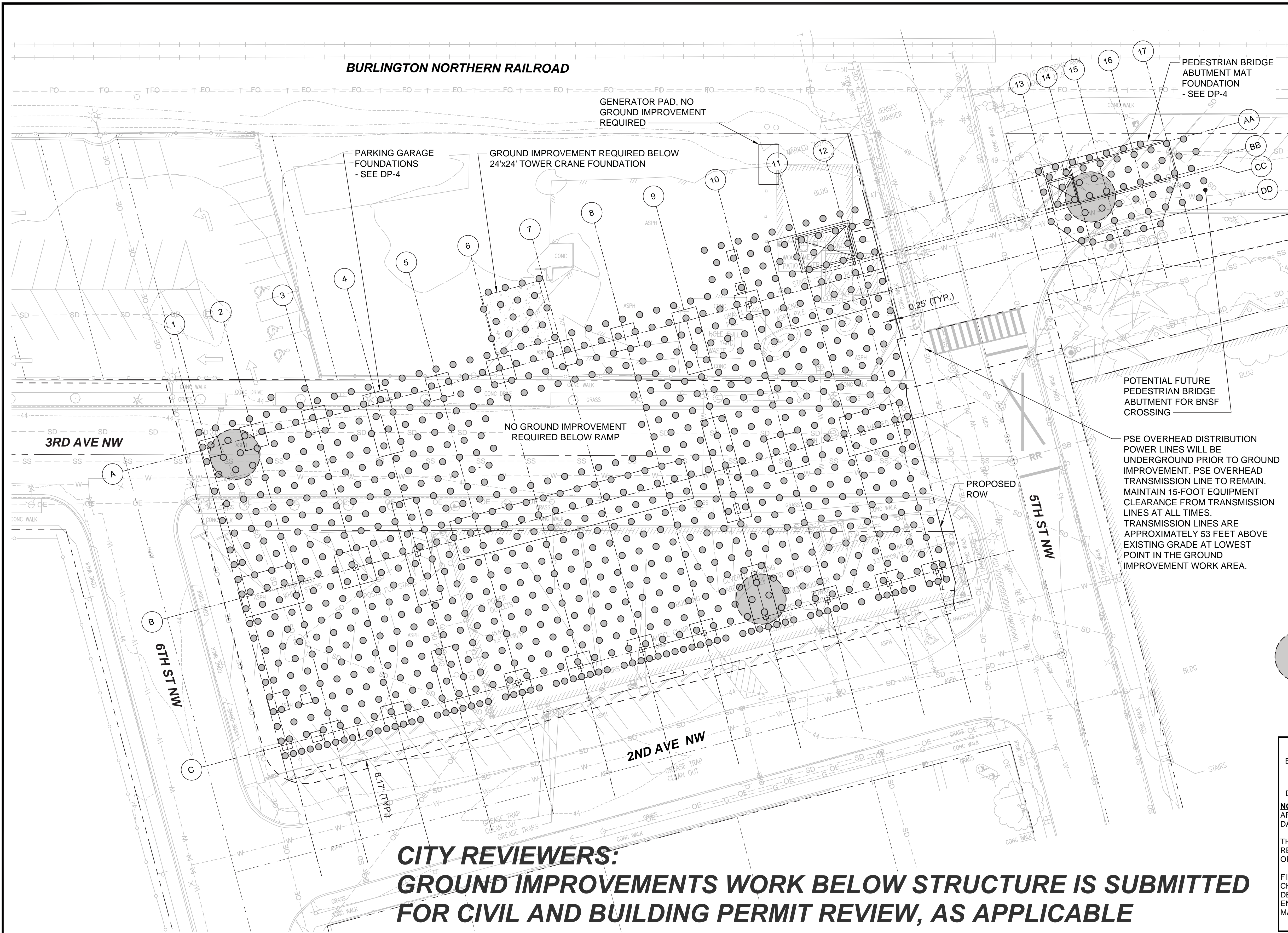
DRAWING No.:  
F1592-BSP103

FACILITY ID:  
F1592

SHEET No.: REV:  
46/81



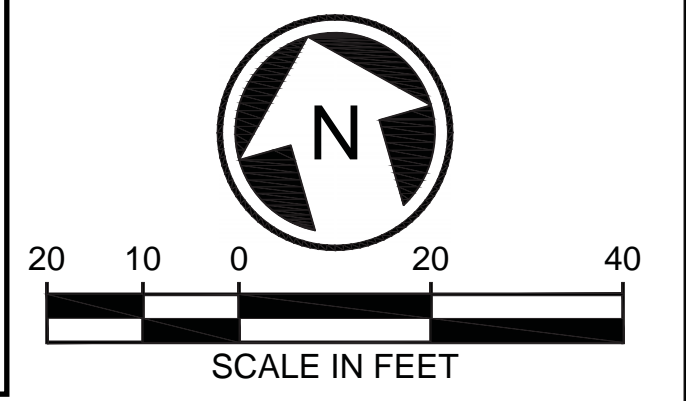
08/26/20 | 9:31 AM | TMICHAUD P:\44082056\CAD\00\G-LORC DESIGN SHEETS\00\019143 PSA\PROJECT FILES\03 DESIGN TEAM FILES\20\_CADD\00\_CURRENT FILES\GEO\TECHNICAL\S317-F1592-BNP010.DWG



- NOTES:**
- GROUND IMPROVEMENT SHALL CONSIST OF STONE COLUMNS.
  - SEE DRAWING F1592-BNY100 FOR TYPICAL SECTION.
  - SEE SPECIFICATION 31 32 13.33 FOR COORDINATES AND ELEVATIONS OF GROUND IMPROVEMENT ELEMENTS.
  - CONTRACTOR SHALL REVIEW GROUND IMPROVEMENT LAYOUT. GROUND IMPROVEMENT LAYOUT SHOWN IS BASED ON 30-INCH DIAMETER STONE COLUMNS AT A MAXIMUM SPACING OF 7'-0" ON CENTER IN A TRIANGLE PATTERN TO ACHIEVE A MINIMUM AREA REPLACEMENT RATIO OF 11.6%. CONTRACTOR MAY SUBMIT AN ALTERNATE LAYOUT WITH DIFFERENT STONE COLUMN DIAMETERS, PROVIDED THE SAME AREA REPLACEMENT RATIO IS MAINTAINED.
  - UTILITY ABANDONMENT BELOW GARAGE FOOTPRINT AS SHOWN IN DP-1. UTILITY ABANDONMENT BELOW PEDESTRIAN BRIDGE ABUTMENT MAT FOUNDATION AS SHOWN IN DP-2.
  - ALL EXISTING UTILITIES THAT ARE NOT ABANDONED SHALL BE PROTECTED AND GROUND IMPROVEMENT LAYOUT SHALL BE ADJUSTED TO AVOID EXISTING UTILITIES AS APPROVED BY THE GROUND IMPROVEMENT DESIGNER.
  - GROUND IMPROVEMENT INSTALLATION AND TESTING SHALL BE OBSERVED ON A FULL-TIME BASIS BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER OF RECORD. QUALITY CONTROL CPTs SHALL BE COMPLETED WITHIN THE AREAS NOTED.
  - INSTALL MONITORING POINTS FOR EXISTING UTILITIES AND STRUCTURES LOCATED WITHIN 20 FEET OF THE EDGE OF GROUND IMPROVEMENT, AS SHOWN IN THE GEOTECHNICAL INSTRUMENTATION AND MONITORING PLAN. MONITORING POINTS SHALL BE IN PLACE WITH ESTABLISHED BASELINE READINGS PRIOR TO STARTING GROUND IMPROVEMENT INSTALLATION.
  - SEE DRAWING F1592-BGP010 FOR LOAD TRANSFER PLATFORM GRADING.

- LEGEND:**
- 30-INCH DIAMETER STONE COLUMN - TIP ELEVATION 24 FT (APPROX 20 FT LENGTH) (QTY - 1,025)
  - QUALITY CONTROL CPT LOCATION

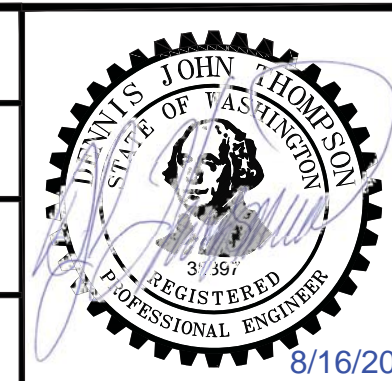
**APPROVED**  
 BY: *Greg Shimizu*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



**CITY REVIEWERS:  
 GROUND IMPROVEMENTS WORK BELOW STRUCTURE IS SUBMITTED  
 FOR CIVIL AND BUILDING PERMIT REVIEW, AS APPLICABLE**

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:  
B. LARABEE  
 DRAWN BY:  
T. MICHAUD  
 CHECKED BY:  
T. BAILEY  
 APPROVED BY:  
D. THOMPSON



GeoENGINEERS

HENSEL PHELPS  
 Plan. Build. Manage.  
 kpff

SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
XX/XX/XXXX  
 REVIEWED BY:  
GREG SHIMIZU

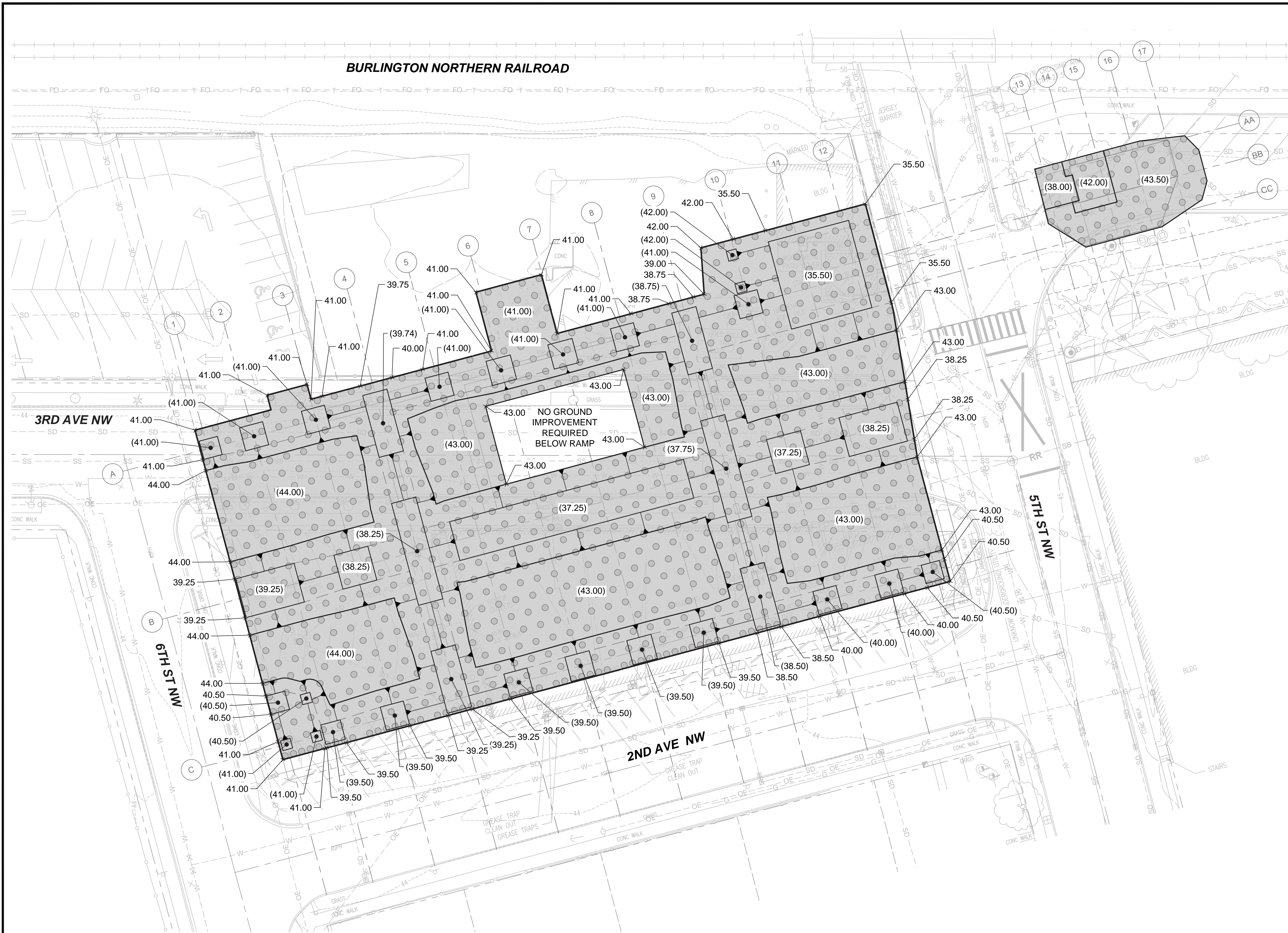
PACKAGE # DP-2  
 SOUNDTRANSIT  
 SCALE: 1"=20'  
 FILENAME: S317-F1592-BNP010  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 09/16/2020

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 GEOTECHNICAL  
 GROUND IMPROVEMENT LAYOUT  
 GARAGE AND PEDESTRIAN BRIDGE**

DRAWING No.: F1592-BNP010  
 FACILITY ID: F1592  
 SHEET No.: REV: 47/81



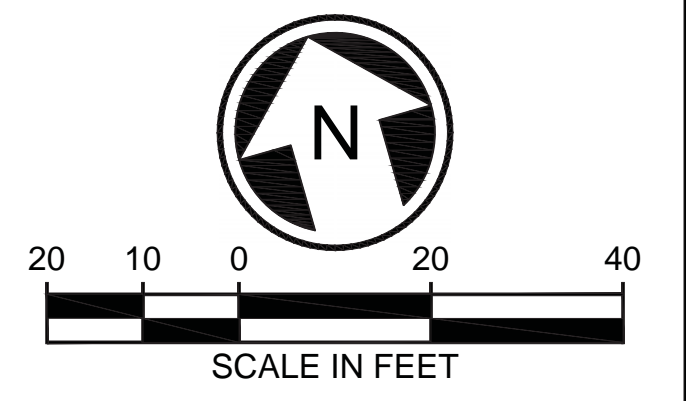
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- NOTES:**
- ELEVATIONS SHOWN INDICATE BOTTOM OF LOAD TRANSFER PLATFORM GRADING. CONTRACTOR MAY ADJUST INTERNAL GRADING SLOPES AS REQUIRED.
  - CONTRACTOR TO GRADE AS REQUIRED AROUND PERIMETER OF LOAD TRANSFER PLATFORM TO MATCH EXISTING GRADES.
  - LOAD TRANSFER PLATFORM TO CONSIST OF GRAVEL BORROW COMPACTED TO 95 MAXIMUM DRY DENSITY PER ASTM D 1557. SEE DRAWING F1592-BNY100 FOR TYPICAL SECTION.
  - TOP OF LOAD TRANSFER PLATFORM NOMINALLY 2' HIGHER THAN ELEVATIONS SHOWN ON THIS GRADING PLAN. LOAD TRANSFER PLATFORM THICKNESS SHALL BE ADJUSTED AS REQUIRED TO MATCH BOTTOM ELEVATION OF FOOTINGS AND SLABS.

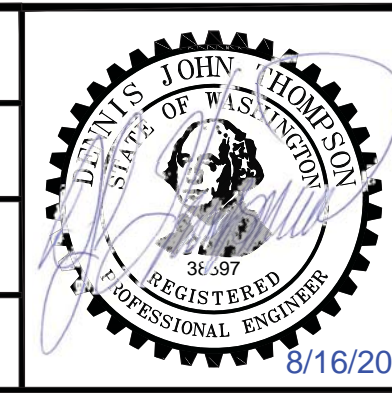
- LEGEND:**
- EXTENT OF LOAD TRANSFER PLATFORM
  - (43.00) GRADING ELEVATION FOR AREA SHOWN
  - 43.00 GRADING SPOT ELEVATION FOR SLOPE
  - GRADING TO SLOPE AS SHOWN

**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 DEVELOPMENT SERVICES  
 DATE: 2/17/2021  
 NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
 THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
 FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



<b>CIVIL PERMIT RESUBMITTAL</b>					
No.	DATE	DSN	CHK	APP	REVISION

DESIGNED BY:  
B. LARABEE  
 DRAWN BY:  
T. MICHAUD  
 CHECKED BY:  
T. BAILEY  
 APPROVED BY:  
D. THOMPSON



**GeoENGINEERS**  
 SUBMITTED BY:  
SARA ROBERTS

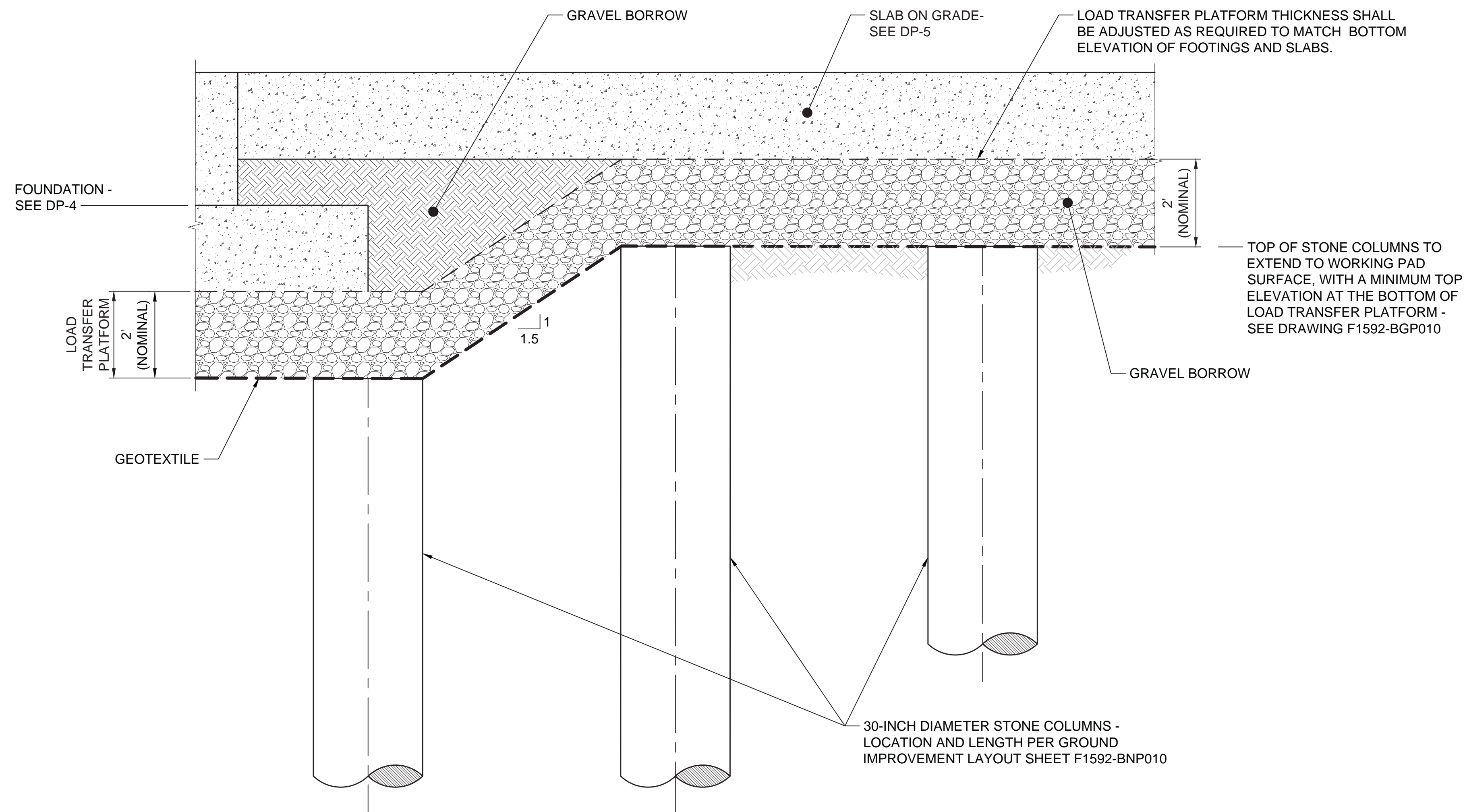
**HENSEL PHELPS**  
 Plan. Build. Manage.  
**kpff**  
 DATE:  
XX/XX/XXXX

REVIEWED BY:  
GREG SHIMIZU

<b>PACKAGE #</b> DP-2	<b>SITWORK AND UTILITIES</b>	DRAWING No.: <b>F1592-BGP010</b>
<b>SOUNDTRANSIT</b>	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18</b>	FACILITY ID: F1592
SCALE: 1"=20' FILENAME: S317-F1592-BGP010 CONTRACT No.: RTA/CN 0612-18 SUBMITTAL DATE: 09/16/2020	<b>PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS GEOTECHNICAL GROUND IMPROVEMENT GRADING GARAGE AND PEDESTRIAN BRIDGE</b>	SHEET No.: REV: <b>48/81</b>



08/26/20 | 9:37 AM | T.MICHAUD P:\4\082056\CAD\00\G-ORC DESIGN SHEETS\00\5019143 PSA\PROJECT FILES\03 DESIGN TEAM FILES\20\_CADD\00\_CURRENT FILES\GEO\TECHNICAL\S317-F1592-BNY100.DWG



**TYPICAL SECTION**  
SCALE: NTS

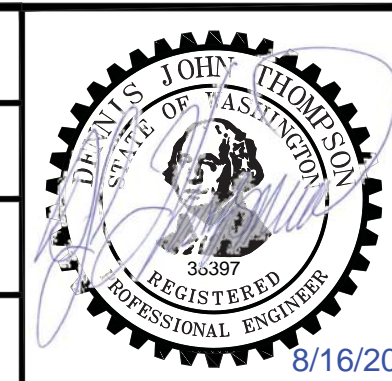
**NOTES:**

1. GROUND IMPROVEMENT SHALL CONSIST OF STONE COLUMNS.
2. SEE DRAWING F1592-BNP010 FOR GROUND IMPROVEMENT LAYOUT.
3. SEE SPECIFICATION 31 32 13.33 FOR COORDINATES AND ELEVATIONS OF GROUND IMPROVEMENT ELEMENTS.
4. CONTRACTOR SHALL COMPACT SUBGRADE SOILS BELOW THE LOAD TRANSFER PLATFORM TO FIRM CONDITIONS PRIOR TO CONSTRUCTING THE LOAD TRANSFER PLATFORM. SEE DRAWING F1592-BGP010 FOR LOAD TRANSFER PLATFORM GRADING.
5. ALL EXISTING UTILITIES SHALL BE PROTECTED AND GROUND IMPROVEMENT LAYOUT SHALL BE ADJUSTED TO AVOID EXISTING UTILITIES AS APPROVED BY THE GROUND IMPROVEMENT DESIGNER.

**APPROVED**  
BY *Joseph Benkey*  
CITY OF PUYALLUP  
DEVELOPMENT SERVICES  
DATE 2/17/2021  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
B. LARABEE  
DRAWN BY:  
T. MICHAUD  
CHECKED BY:  
T. BAILEY  
APPROVED BY:  
D. THOMPSON



SUBMITTED BY:  
SARA ROBERTS

DATE:  
XX/XX/XXXX

REVIEWED BY:  
GREG SHIMIZU

PACKAGE #

DP-2

SITWORK AND UTILITIES



SCALE:  
NTS  
FILENAME:  
S317-F1592-BNY100  
CONTRACT No.:  
RTA/CN 0612-18  
SUBMITTAL DATE:  
09/16/2020

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
GEOTECHNICAL  
GROUND IMPROVEMENT DETAILS

DRAWING No.:  
**F1592-BNY100**  
FACILITY ID:  
F1592  
SHEET No.: REV:  
49/81

No.	DATE	DSN	CHK	APP	REVISION




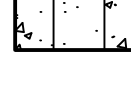
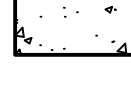
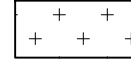

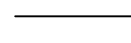





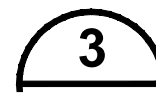



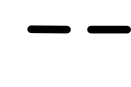
### HARDSCAPE ABBREVIATIONS

#/NO	NUMBER	EX	EXISTING
%	PERCENT	FG	FINISH GRADE
&	AND	HORIZ	HORIZONTAL
~	APPROXIMATELY	HMA	HOT MIX ASPHALT
@	AT	MAX	MAXIMUM
APPROX	APPROXIMATE	MIN	MINIMUM
CL	CENTERLINE	NTS	NOT TO SCALE
CLR	CLEAR	OC	ON CENTER
CONC	CONCRETE	SPEC(S)	SPECIFICATION(S)
CONT	CONTINUOUS	SS	STAINLESS STEEL
DEG	DEGREE	STA	STATION
DIA	DIAMETER	TYP	TYPICAL
DWG(S)	DRAWING(S)	W/	WITH
EQ	EQUAL		

### HARDSCAPE NOTES

- ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF RESIDENT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- RESIDENT ENGINEER MUST INSPECT MATERIALS AND STAKING LOCATIONS PRIOR TO INSTALLATION OF ALL HARDSCAPE ELEMENTS.
- CONTRACTOR MUST BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION OPERATIONS.

### HARDSCAPE LEGEND

	F1592-LHD102		EXTERIOR CONCRETE PAVING FINISH MEDIUM BROOM
			CONCRETE SIDEWALK PAVING; PER DP-3 CRP SERIES DRAWINGS
			PLANTING AREA; SEE PLANTING PLAN DWGS F1592-LPP101 THROUGH F1592-LPP106
	F1592-LHD102		CONTROL JOINT
	F1592-LHD102		SPECIALTY PAVING INTEGRAL COLOR A WITH MEDIUM BROOM FINISH; SEE SPECS
	F1592-LHD102		SPECIALTY PAVING INTEGRAL COLOR B WITH MEDIUM BROOM FINISH; SEE SPECS
			INTERPRETIVE FEATURE
	F1592-LHD102		LITTER AND RECYCLE RECEPTACLES
			ALIGN
	F1592-LHD104		SOIL CELL LIMITS

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CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:   
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNEE, OR PROJECT PLANNER.

NOTE: If street trees are required, Call Planning Division for final inspection; (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.

## CIVIL PERMIT RESUBMITTAL

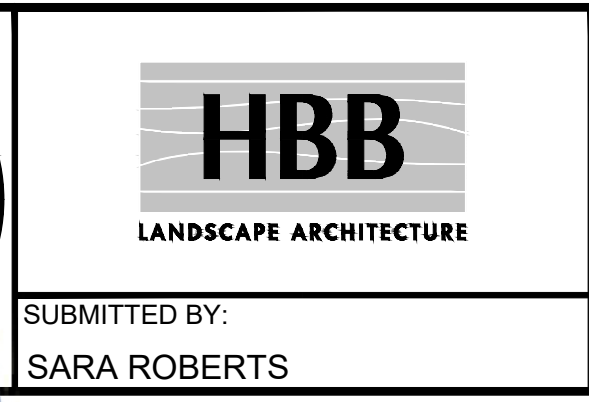
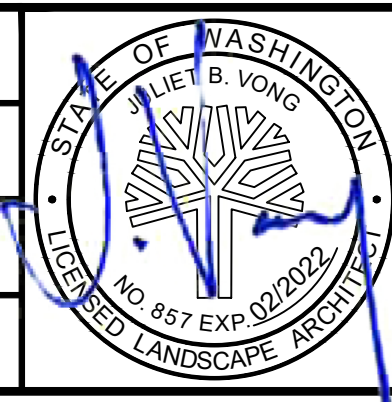
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON


DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG

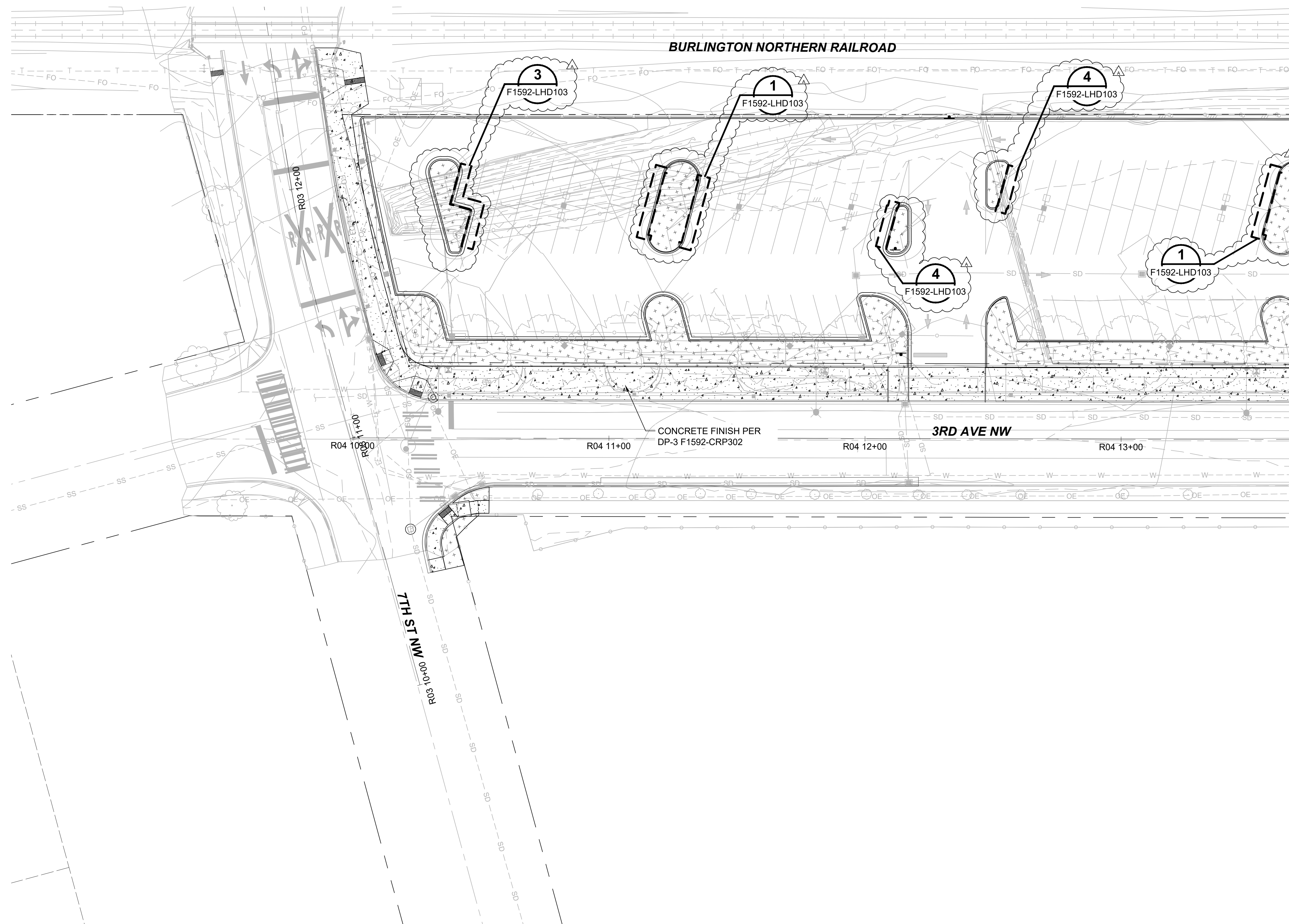


LINE IS 1" AT FULL SCALE

PACKAGE #	DP-2	SITWORK AND UTILITIES	
	SCALE:	PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18	
	FILENAME:	PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS	
	CONTRACT No.:	LANDSCAPE HARDSCAPE GENERAL NOTES, LEGEND, AND ABBREVIATIONS	
DATE:	01/08/2021	DRAWING No.:	F1592-LHN100
REVIEWED BY:	GREG SHIMIZU	FACILITY ID:	F1592
DATE:	01/08/2021	SHEET No.:	50/81
REVISIONS:		REV:	



Xrefs:  
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 xS317-F1592-CSP100  
 xS317-F1592-LFP100  
 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-CLP100  
 xS317-F1592-CAP100  
 xS317-F1592-CMP100  
 xS317-F1592-CGP100  
 xS317-F1592-ELP100  
 xS317-F1592-VRX100  
 xS317-F1592-RPP100



**GENERAL NOTE:**  
 1. SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.

MATCHLINE: STA 08+47 SEE DWG F1592-LHP103

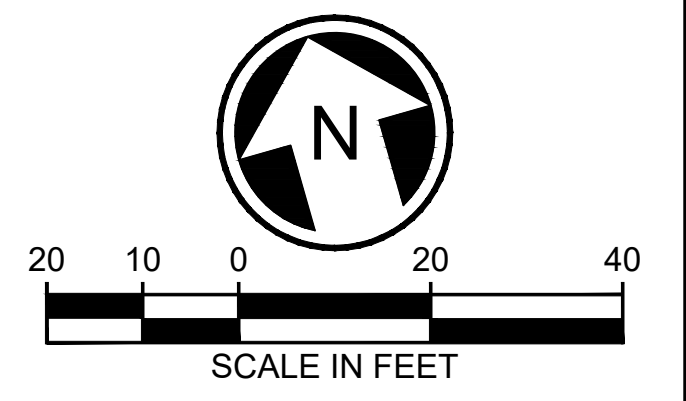
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CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: **02.17.21**

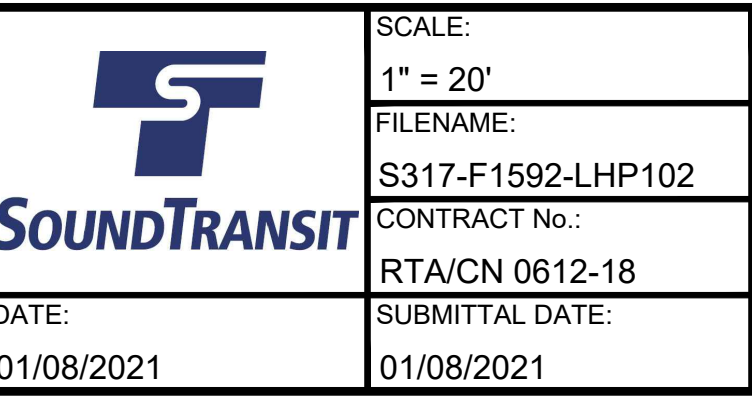
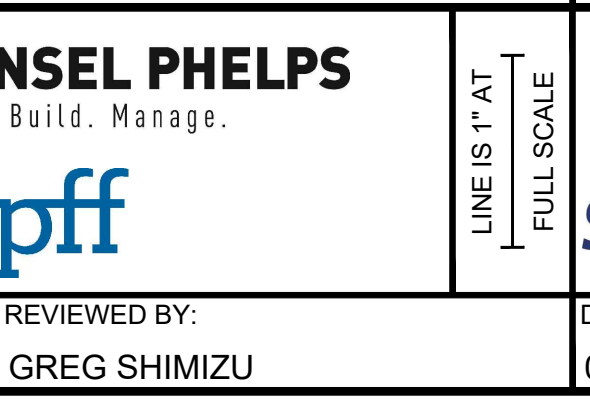
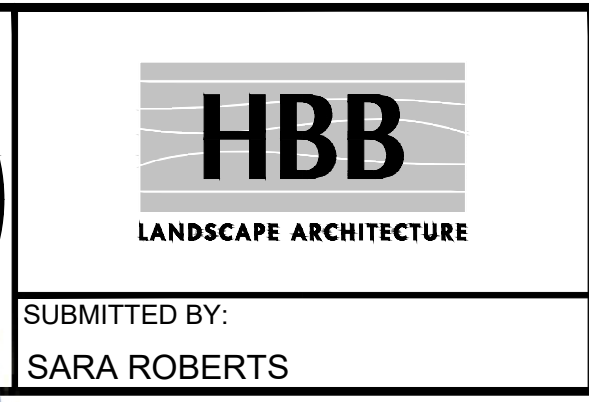
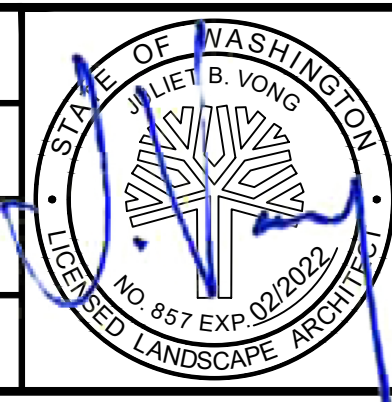
THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



PACKAGE # **DP-2**      **SITWORK AND UTILITIES**

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE HARDSCAPE PLAN

DRAWING No.: **F1592-LHP102**  
 FACILITY ID: **F1592**  
 SHEET No.: **51/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021

CONTRACT No.:  
RTA/CN 0612-18

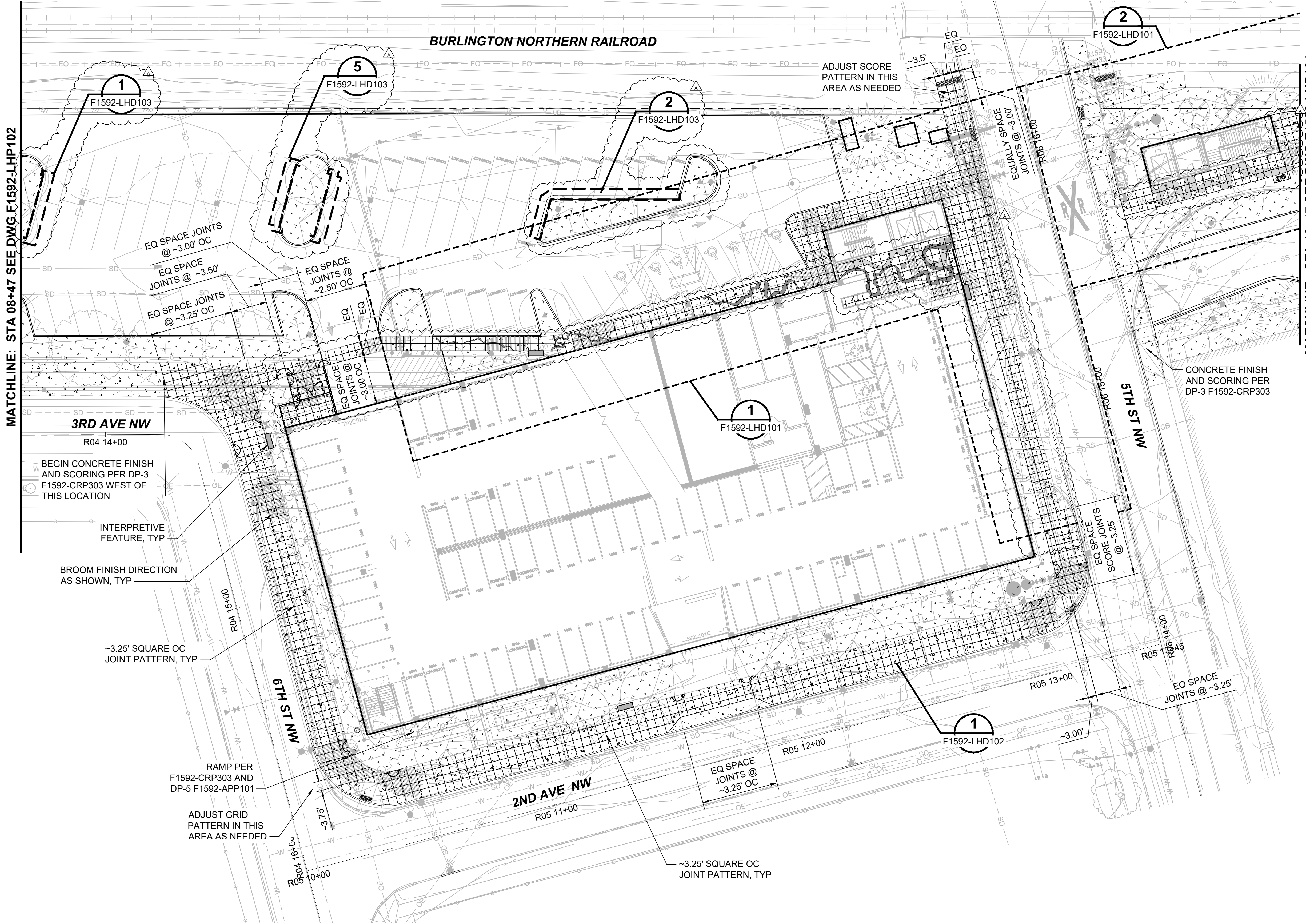
SUBMITTAL DATE:  
01/08/2021



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 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-CLP100  
 xS317-F1592-UWP100  
 xS317-F1592-CAP100  
 xS317-F1592-UCP100  
 xS317-F1592-CMP100  
 xS317-F1592-CGP100  
 xS317-F1592-ELP100  
 xS317-F1592-SP100  
 xS317-F1592-CP100  
 xS317-F1592-APP100  
 xS317-F1592-VRX100

MATCHLINE: STA 08+47 SEE DWG F1592-LHP102

MATCHLINE: STA 13+47 SEE DWG F1592-LHP104



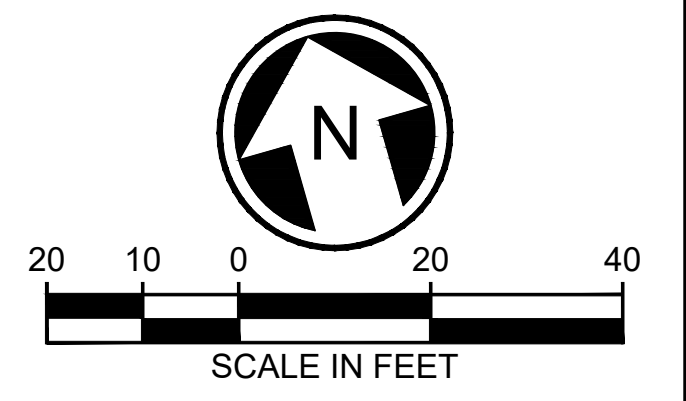
- GENERAL NOTES:**
- SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.
  - UNLESS OTHERWISE NOTED, ALL ANGLES ARE 90 DEGREES.
  - CONTINUE CONTROL JOINTS TO EDGE OF ALL VAULTS, LIGHT POLE BASE, CURBS, PAVERS, HANDHOLES, AND FOUNDATIONS.
  - ALIGN UTILITY VAULTS, JUNCTION BOXES SQUARE WITH ADJACENT CURBS AND CONTROL JOINTS.
  - CONSTRUCTION JOINTS SPACED AT 15' ON-CENTER MAXIMUM PER CITY OF PUYALLUP STANDARD PLAN 01.02.01.

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff: [Signature]  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



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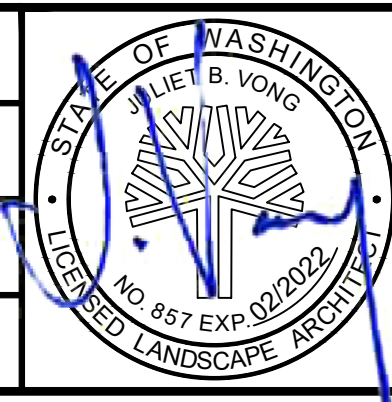
CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



**HBB**  
 LANDSCAPE ARCHITECTURE

SUBMITTED BY:  
SARA ROBERTS

**HENSEL PHELPS**  
 Plan. Build. Manage.

**kpff**

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021

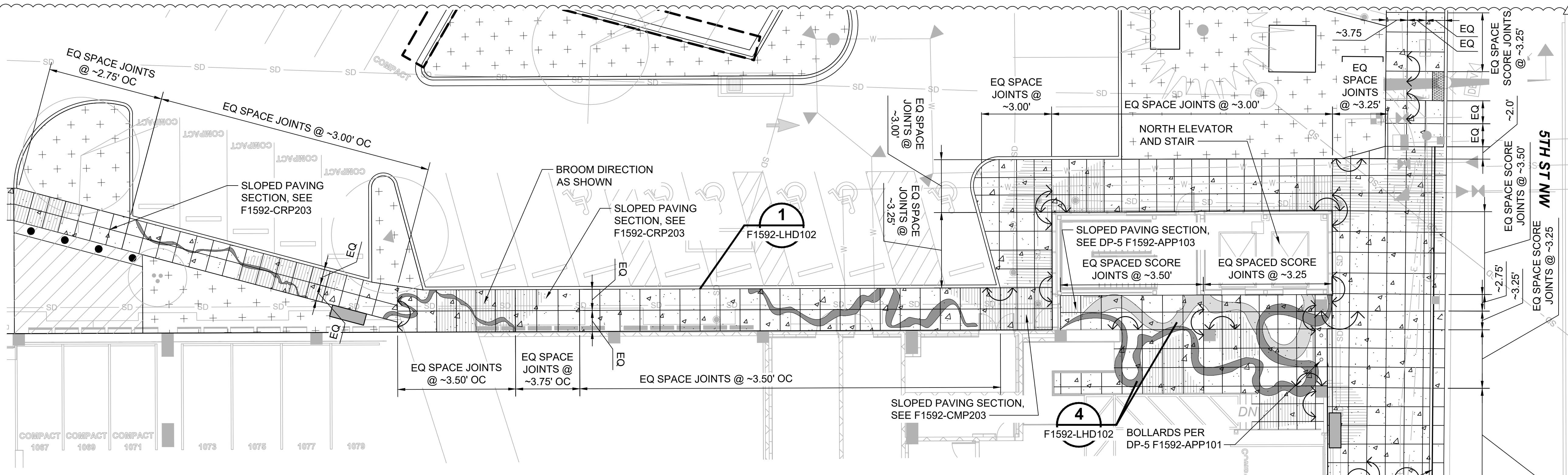
<b>PACKAGE #</b> DP-2	<b>SITWORK AND UTILITIES</b>	<b>DRAWING No.:</b> F1592-LHP103
<b>SCALE:</b> 1" = 20'	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18</b>	<b>FACILITY ID:</b> F1592
<b>FILENAME:</b> S317-F1592-LHP103	<b>PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>	<b>SHEET No.:</b> REV: 52/81
<b>CONTRACT No.:</b> RTA/CN 0612-18	<b>LANDSCAPE HARDSCAPE PLAN</b>	
<b>DATE:</b> 01/08/2021	<b>SUBMITTAL DATE:</b> 01/08/2021	



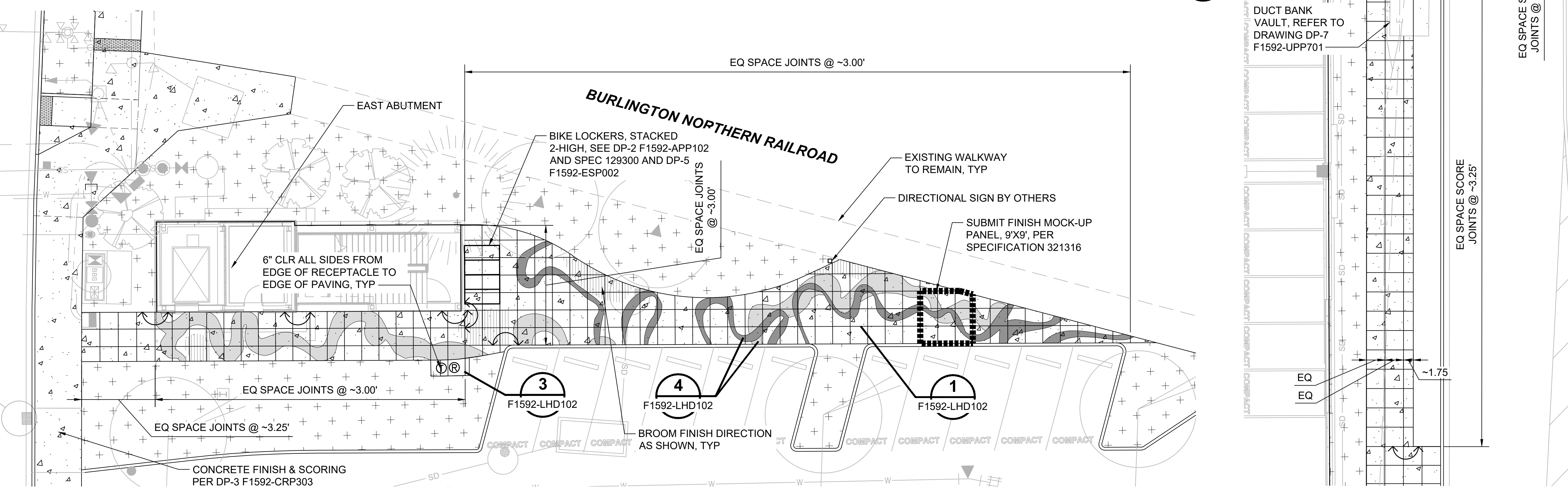




Xrefs:  
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 xS317-F1592-CLP100  
 xS317-F1592-LPP100  
 xS317-F1592-LHP100  
 xS317-F1592-TSP100  
 xS317-F1592-CMP100  
 xS317-F1592-UCP100  
 xS317-F1592-VRX100  
 xS317-F1592-APP101  
 F1592-APP106



**NORTH GARAGE PLAN ENLARGEMENT**  
 SCALE: 1" = 10'



**EAST ABUTMENT PLAN ENLARGEMENT**  
 SCALE: 1" = 10'

**GENERAL NOTE:**

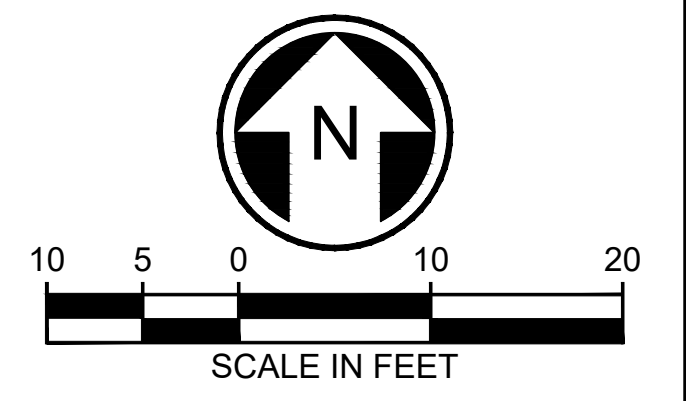
- SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.
- PROVIDE SHOP DRAWING FOR LAYOUT OF SPECIALTY PAVING FOR ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION, SEE SPECIFICATION 321316.

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

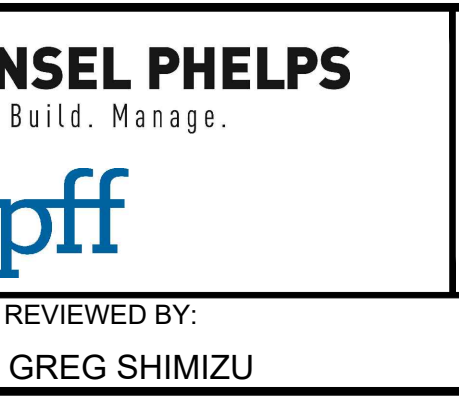
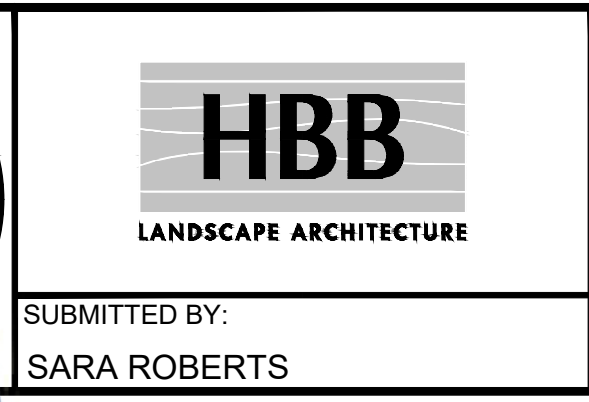
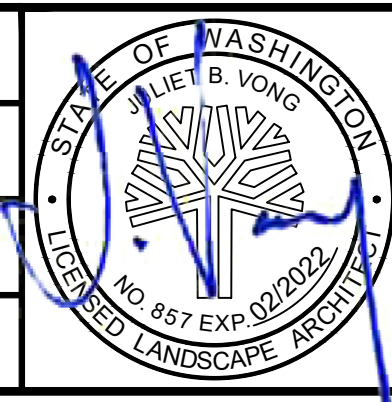
NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3)  
 Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



01/08/21 11:16 PM | PMAGINNITY  
 P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS\IMPGRAPHICS\AUTOCAD\317-F1592-LHD101.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
 R. DOTSON  
 DRAWN BY:  
 P. MAGINNITY  
 CHECKED BY:  
 J. VONG  
 APPROVED BY:  
 J. VONG



LINE IS 1" AT FULL SCALE

PACKAGE # DP-2 SITework AND UTILITIES

SCALE:  
 1" = 10'  
 FILENAME:  
 S317-F1592-LHD101  
 CONTRACT No.:  
 RTA/CN 0612-18  
 SUBMITTAL DATE:  
 01/08/2021

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE HARDSCAPE DETAILS

DRAWING No.:  
**F1592-LHD101**  
 FACILITY ID:  
 F1592  
 SHEET No.: REV:  
**54/81**

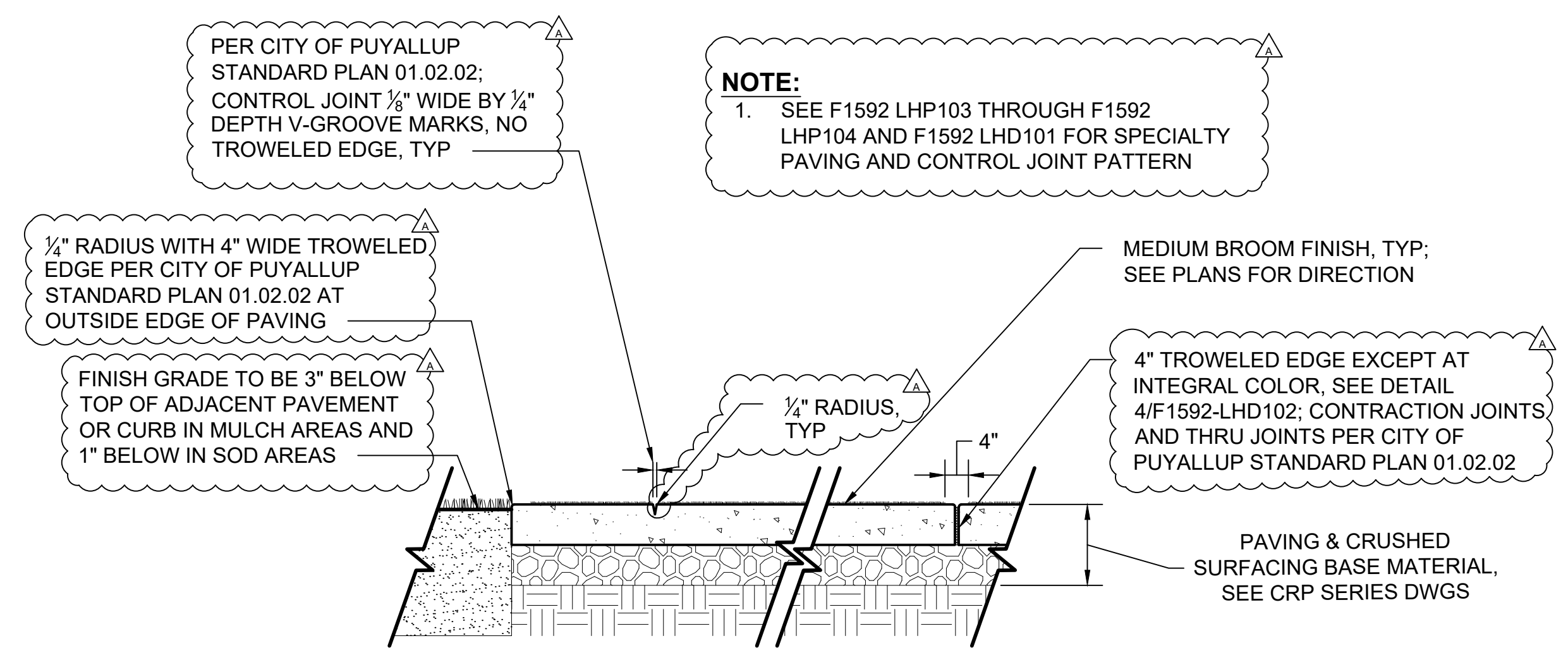
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
 SARA ROBERTS  
 DATE:  
 01/08/2021  
 REVIEWED BY:  
 GREG SHIMIZU

DATE:  
 01/08/2021  
 SUBMITTAL DATE:  
 01/08/2021



Xrefs:  
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 xGB-TB-Views\_20-Scal  
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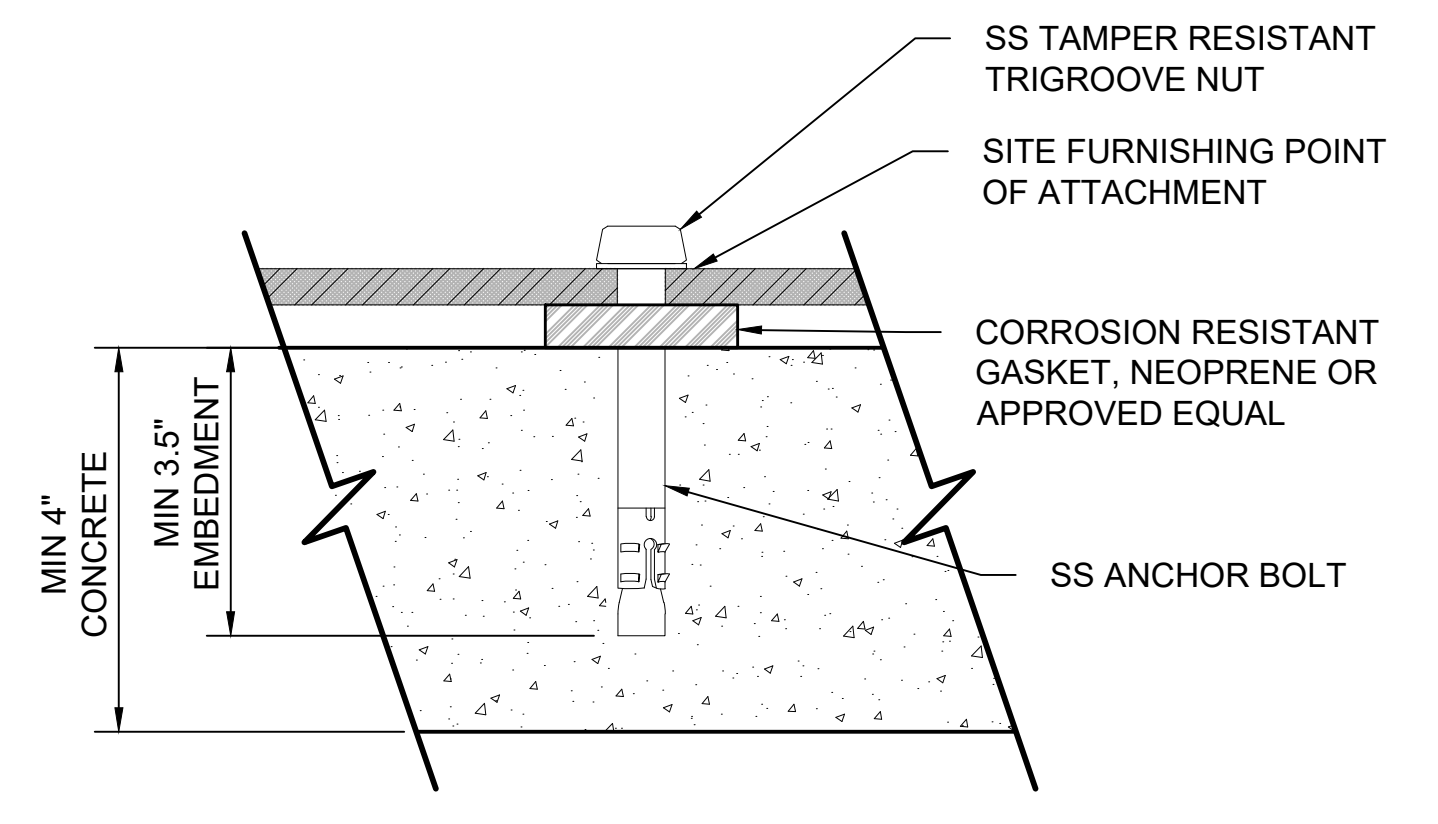


**MEDIUM BROOM CONCRETE FINISH**

SCALE: NTS

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F1592-LHN100  
 F1592-LHP103  
 F1592-LHD101

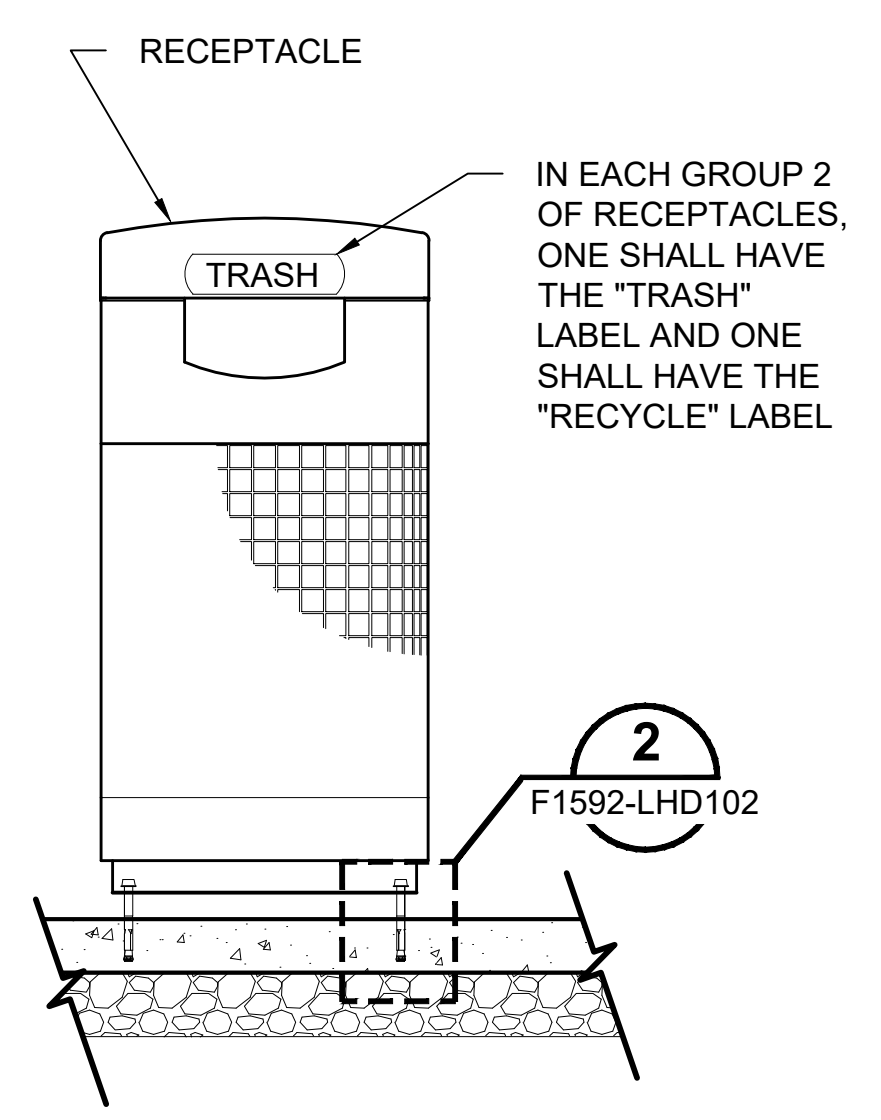


**ANCHOR BOLT**

SCALE: NTS

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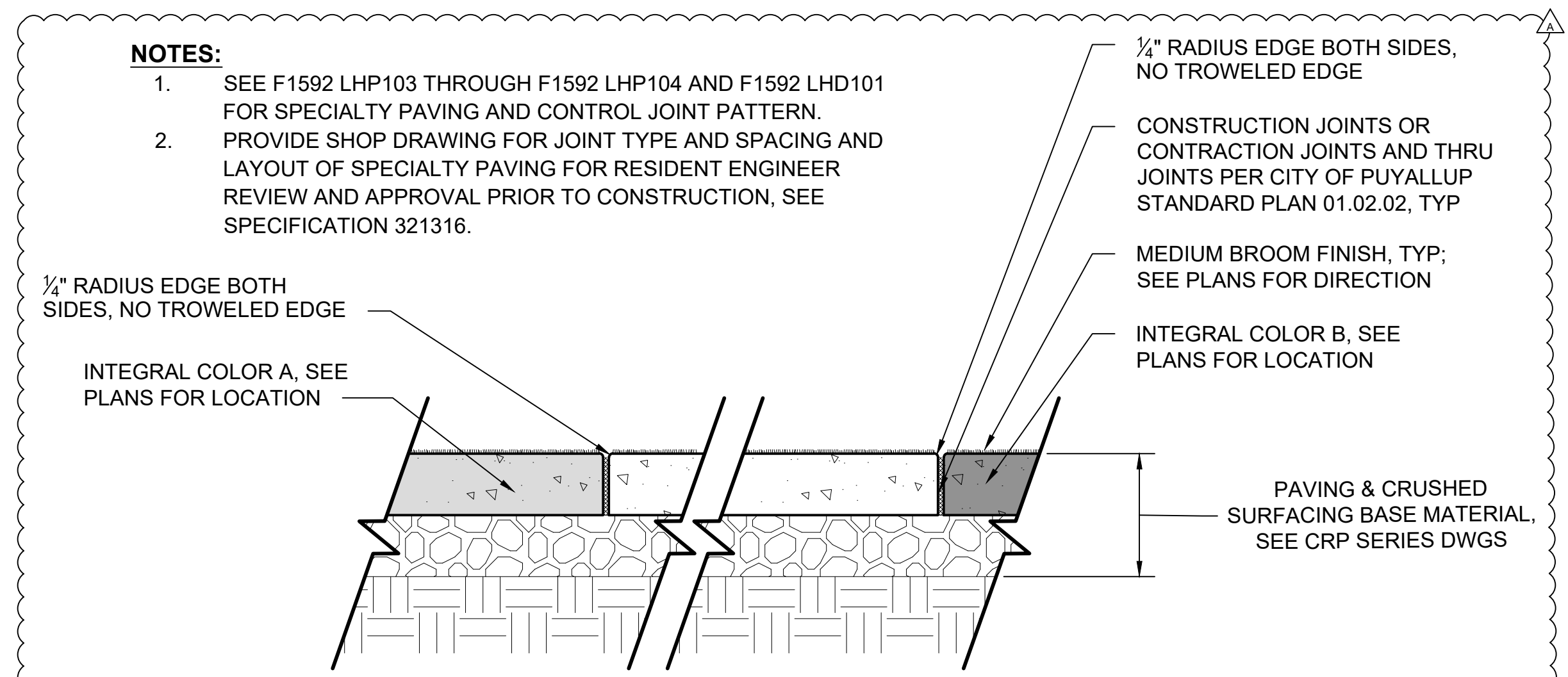


**LITTER AND RECYCLE RECEPTACLE**

SCALE: NTS

**3**

F1592-LHN100  
 F1592-LHD101



**SPECIALTY PAVING**

SCALE: NTS

**4**

F1592-LHN100  
 F1592-LHD101

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: **02.17.21**

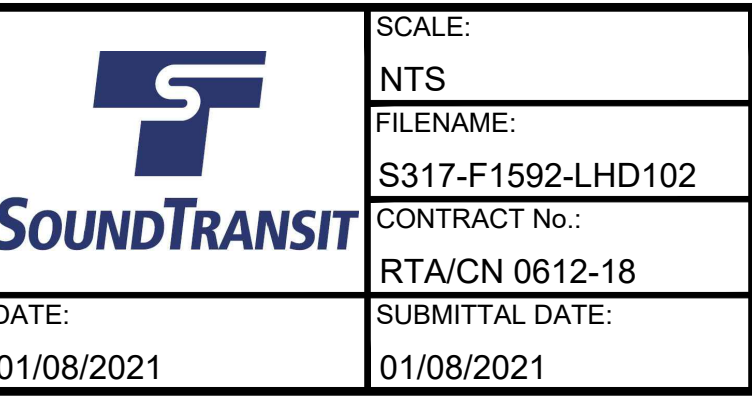
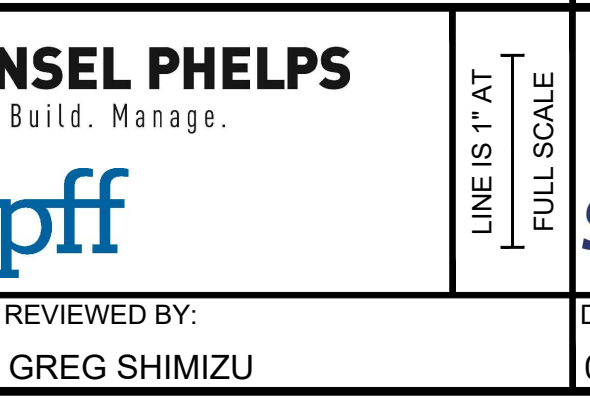
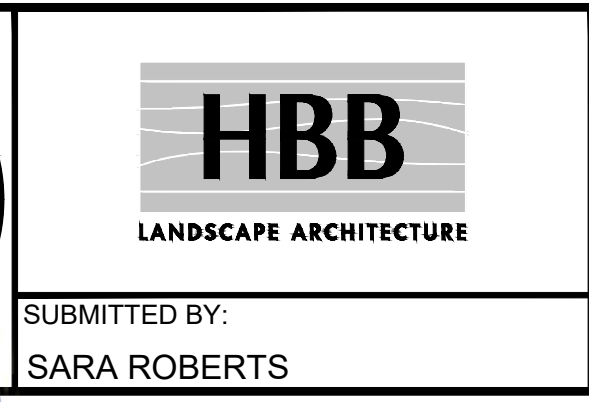
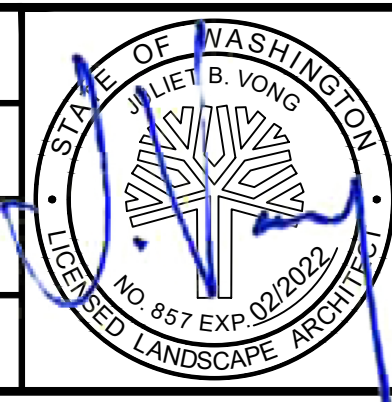
THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

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01/08/21 | 8:16 PM | PMAGINNITY  
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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
 R. DOTSON  
 DRAWN BY:  
 P. MAGINNITY  
 CHECKED BY:  
 J. VONG  
 APPROVED BY:  
 J. VONG

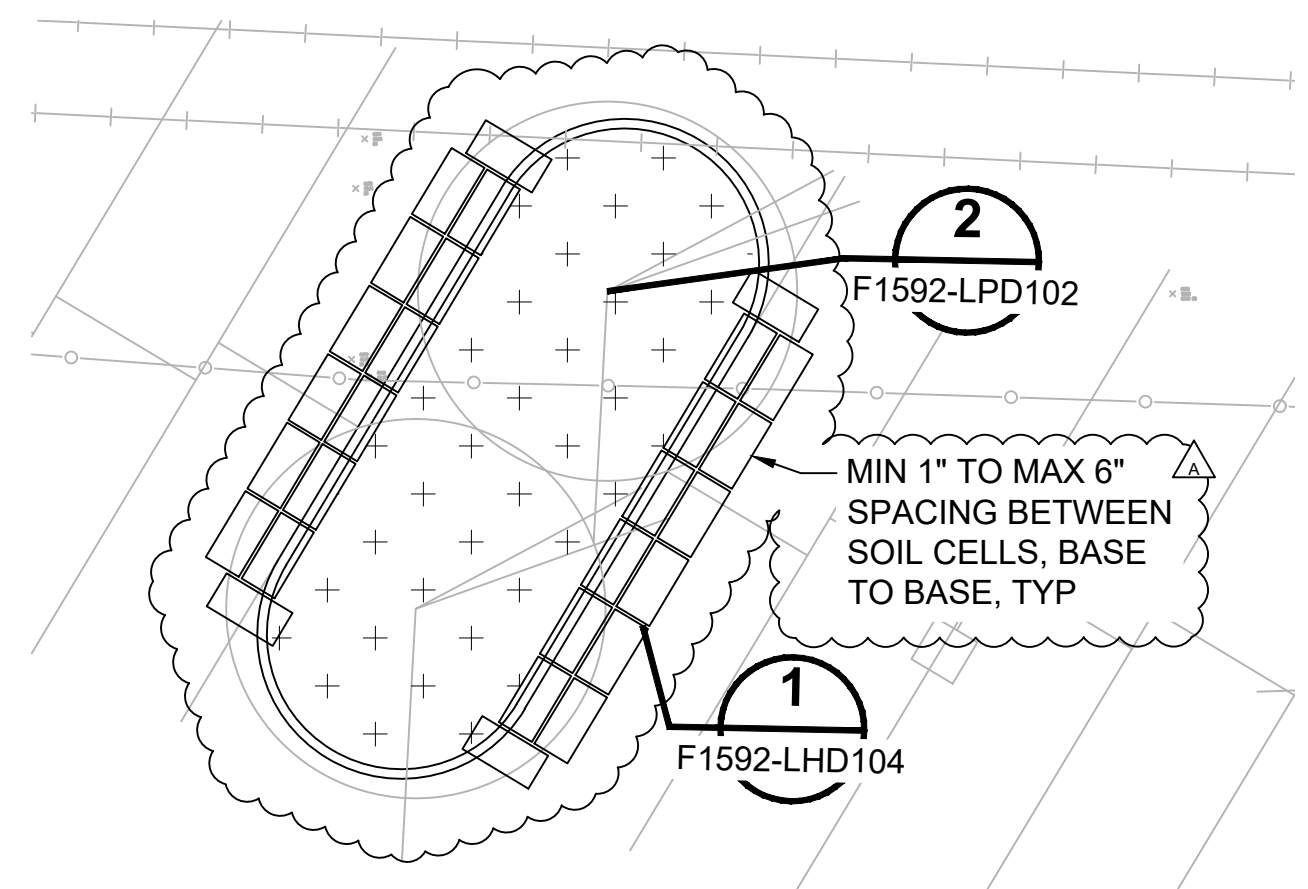


PACKAGE #	DP-2	SITework AND UTILITIES
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FILENAME:	S317-F1592-LHD102	
CONTRACT No.:	RTA/CN 0612-18	
SUBMITTAL DATE:	01/08/2021	
DATE:	01/08/2021	DRAWING No.:
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		FACILITY ID:
		F1592
		SHEET No.:
		REV:
		<b>55/81</b>

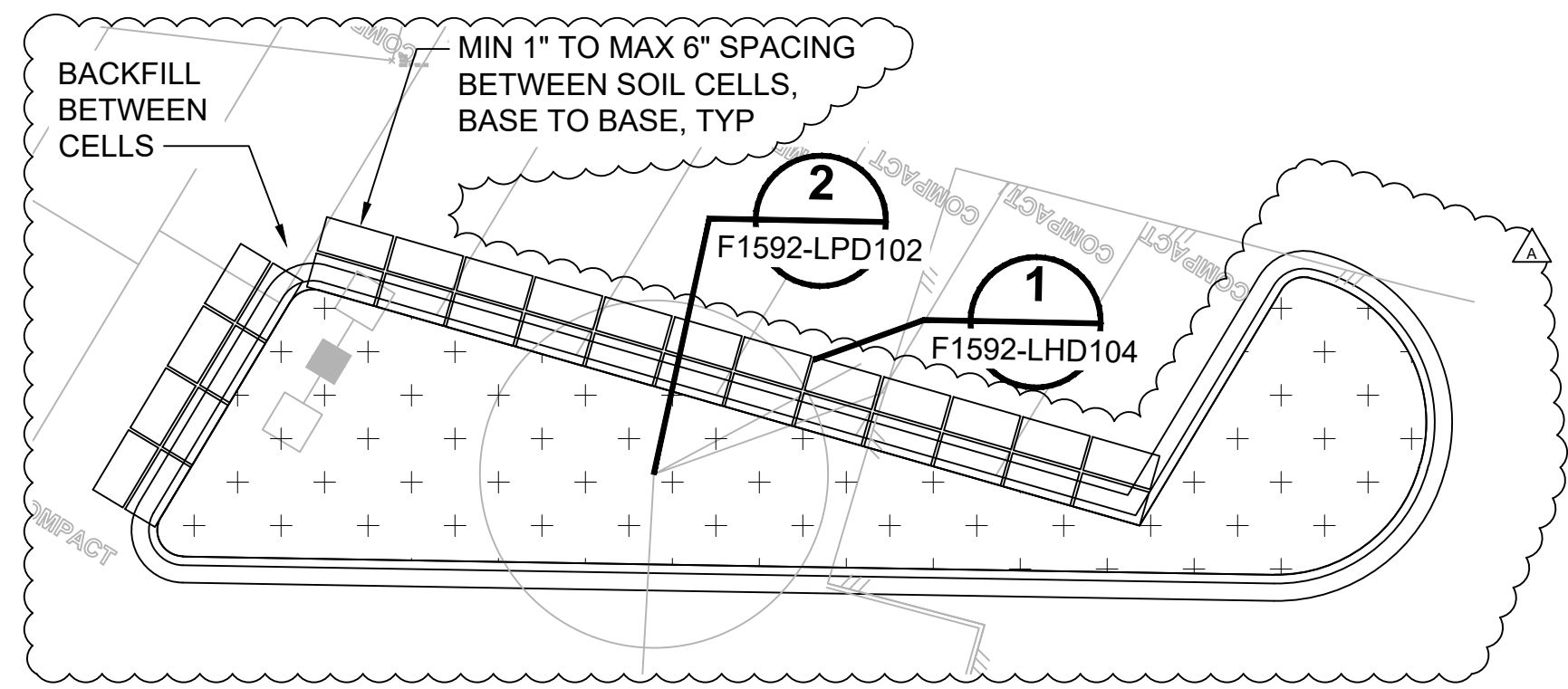
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504



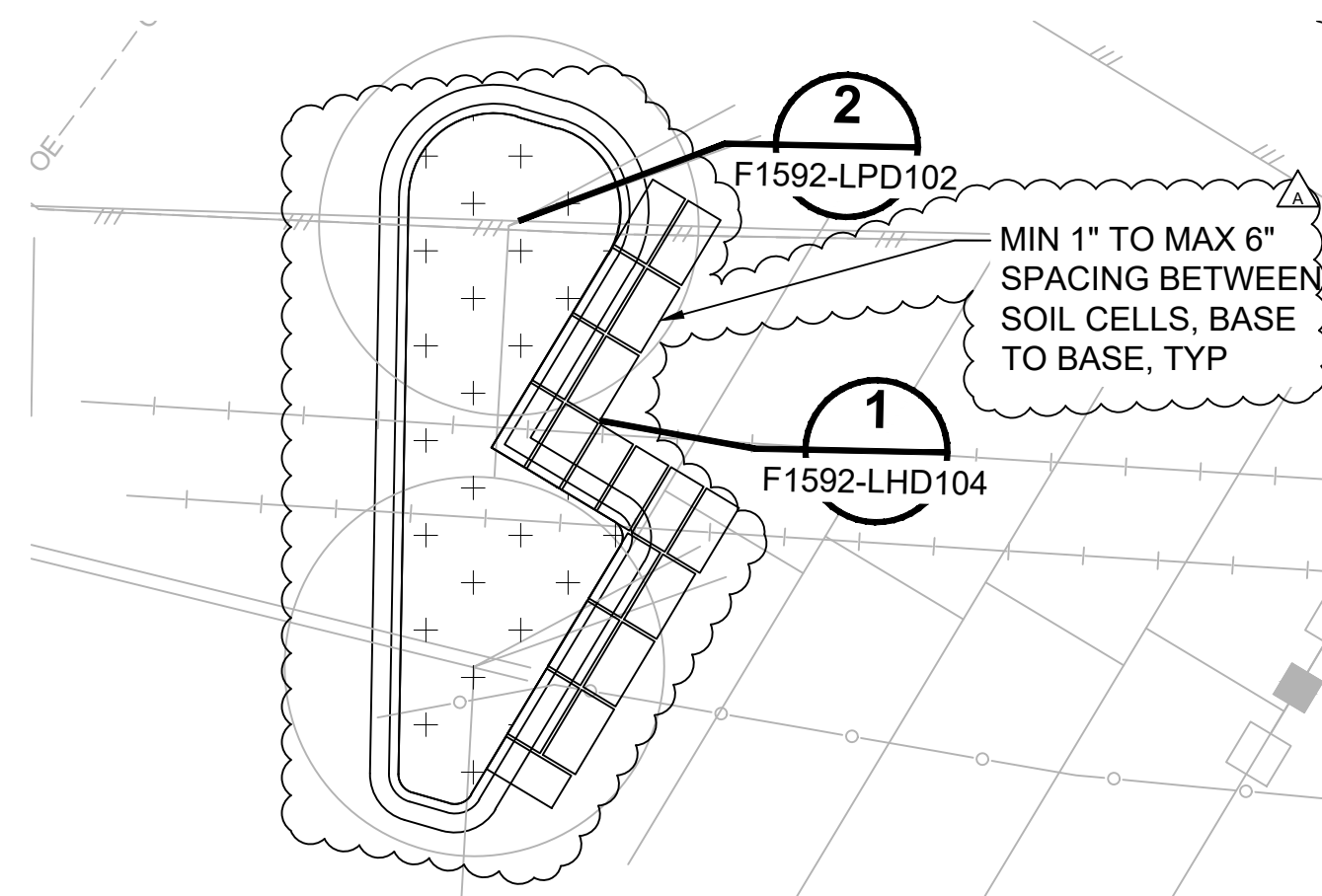
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 xGB-TB-Views\_20-Scal  
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 xS317-F1592-CLP100  
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 xS317-F1592-VRX100



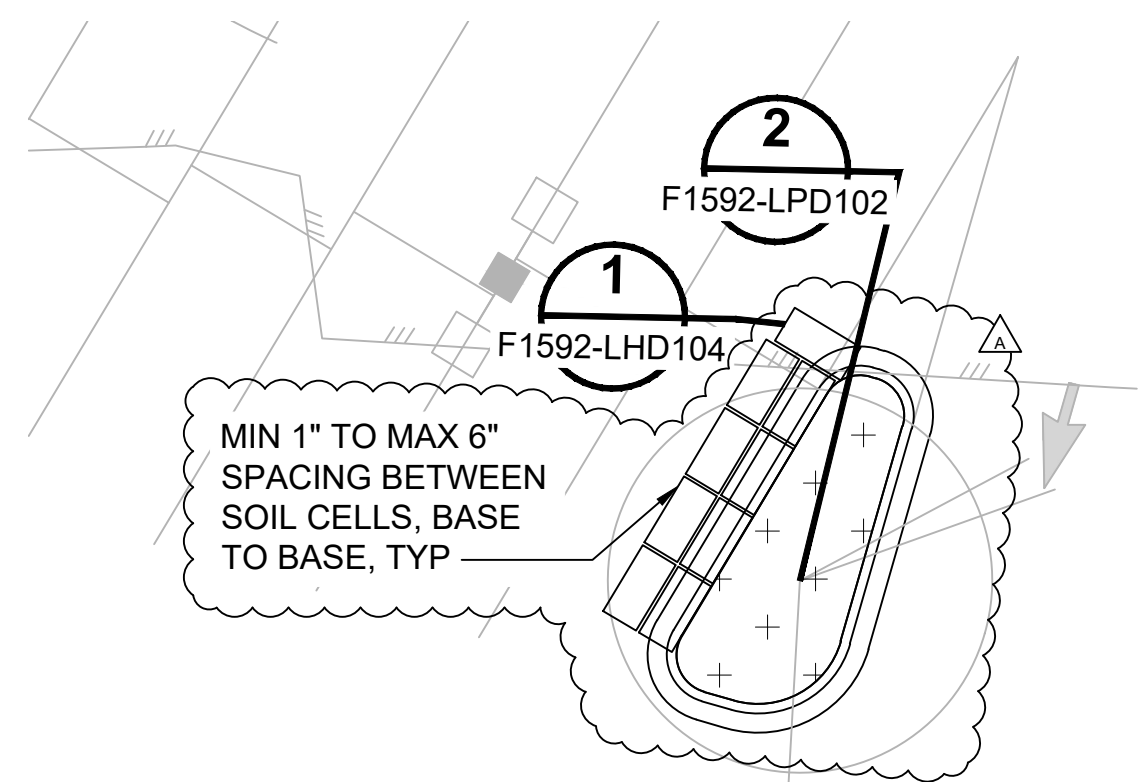
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 SCALE: 1" = 10'  
 F1592-LHP102  
 F1592-LHP103



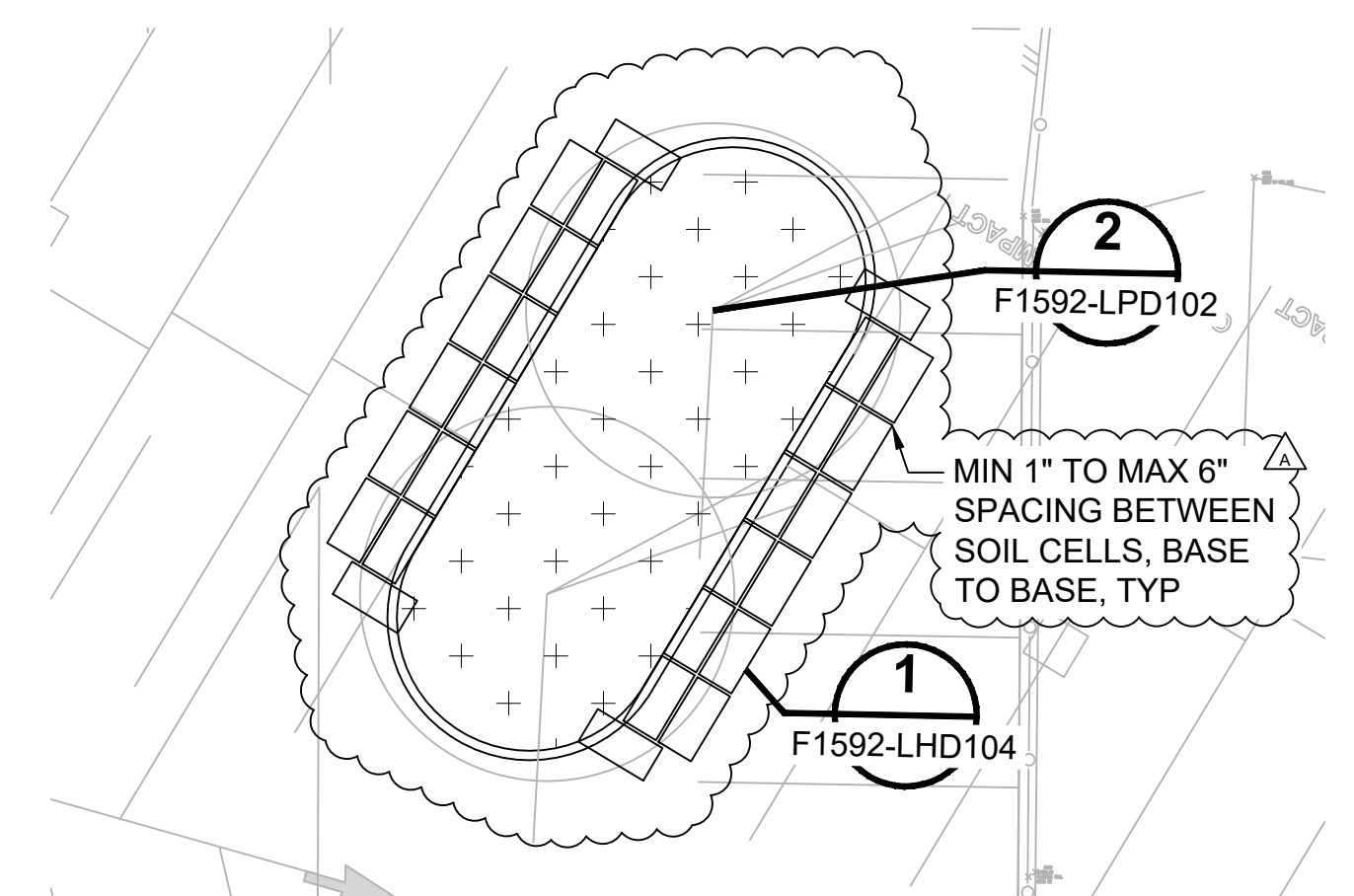
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 SCALE: 1" = 10'  
 F1592-LHP103



**PARKING LOT SOIL CELL ENLARGEMENT 3**  
 SCALE: 1" = 10'  
 F1592-LHP102



**PARKING LOT SOIL CELL ENLARGEMENT 4**  
 SCALE: 1" = 10'  
 F1592-LHP102



**PARKING LOT SOIL CELL ENLARGEMENT 5**  
 SCALE: 1" = 10'  
 F1592-LHP103

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: **02.17.21**

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01/08/21 | 8:17 PM | PMAGINNITY  
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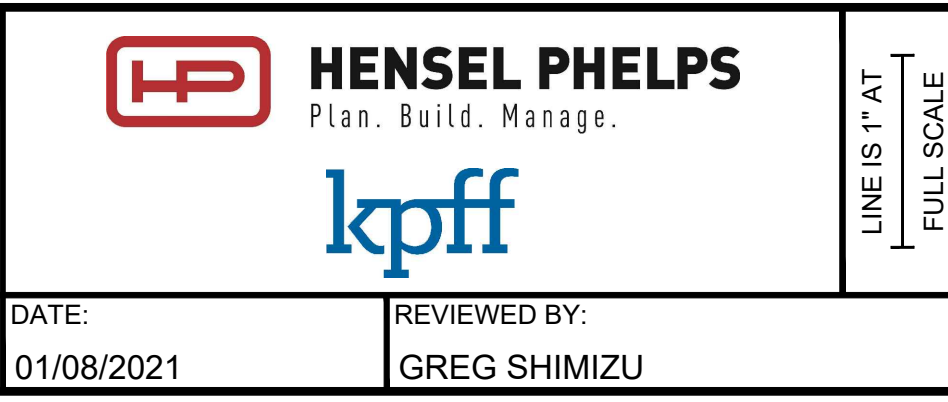
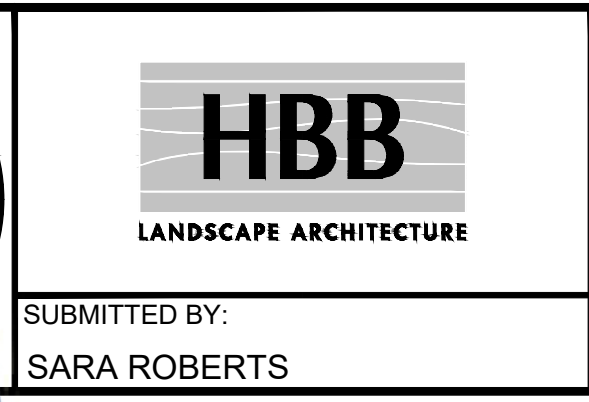
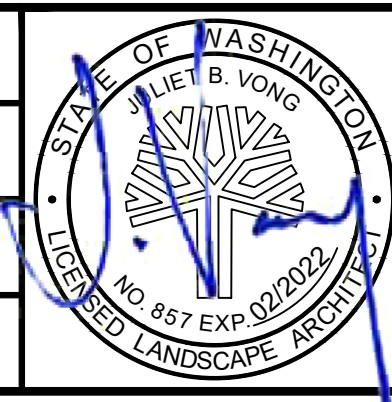
CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



PACKAGE #	DP-2	SITWORK AND UTILITIES
SCALE:	1" = 10'	FILENAME:
CONTRACT No.:	RTA/CN 0612-18	SUBMITTAL DATE:
DATE:	01/08/2021	01/08/2021

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE HARDSCAPE DETAILS

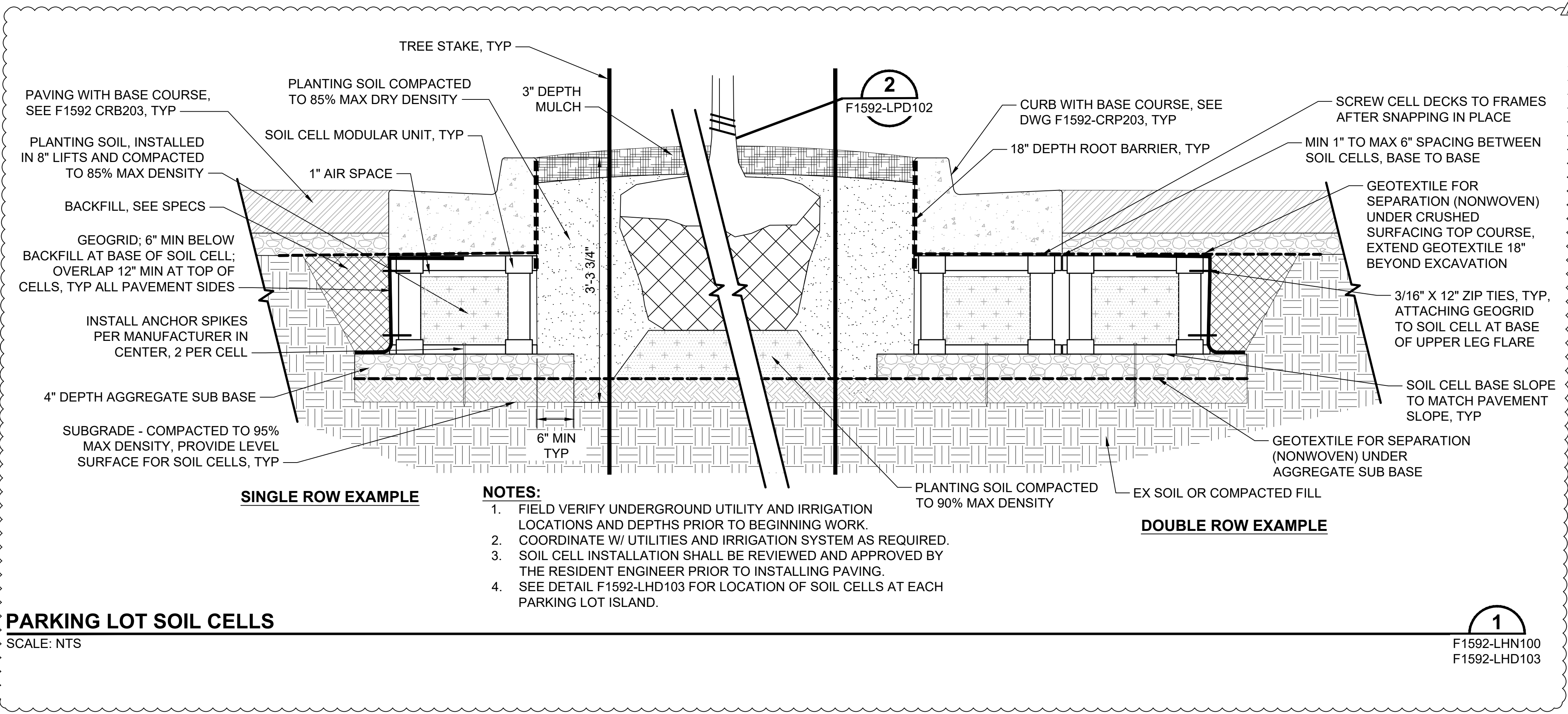
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FACILITY ID:  
F1592

SHEET No.: REV:  
**56/81**



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CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 854-4165

Staff: *[Signature]*  
 Date: **02.17.21**

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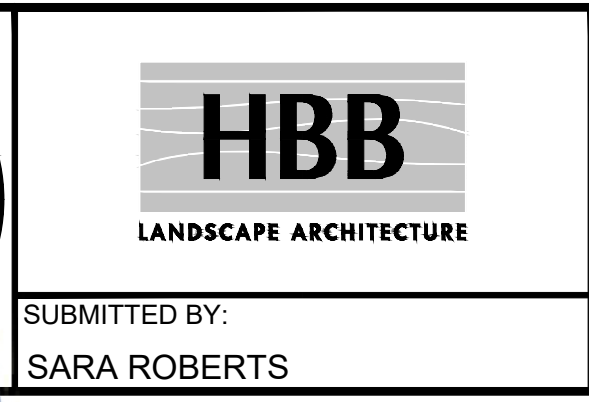
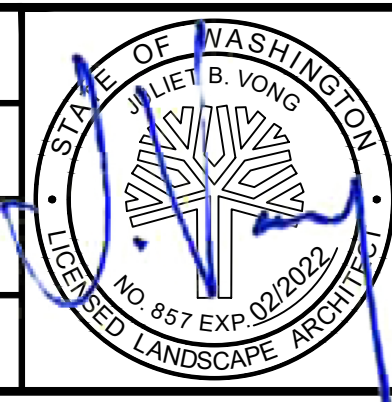
**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

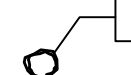
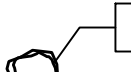

<b>PACKAGE #</b>		<b>DP-2</b>		<b>SITWORK AND UTILITIES</b>	
No.		DATE		SUBMITTAL DATE:	
A	01/08/2021	RD	JV	JV	01/08/2021
REVISIONS FOR CITY PERMIT E-20-0504					
SUBMITTED BY:		DATE:		REVIEWED BY:	
SARA ROBERTS		01/08/2021		GREG SHIMIZU	
DRAWING No.:		SCALE:		FILENAME:	
F1592-LHD104		NTS		S317-F1592-LHD104	
FACILITY ID:		CONTRACT No.:		CONTRACT No.:	
F1592		RTA/CN 0612-18		RTA/CN 0612-18	
SHEET No.:		DATE:		SUBMITTAL DATE:	
57/81		01/08/2021		01/08/2021	

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE  
 HARDSCAPE DETAILS



### PLANTING LEGEND

	#3 LANDSCAPE BOULDER	30" - 42" TALL AND WIDE; SEE SPEC 329000
	#5 LANDSCAPE BOULDER	46" - 60" TALL AND WIDE; SEE SPEC 329000
	ROOT BARRIER	8' LENGTH UNLESS OTHERWISE NOTED; CENTERED AT TREE LOCATION; 18" DEPTH @ PARKING LOT ISLANDS AND ADJ TO SOIL CELLS. 24" DEPTH AT ALL OTHER PAVING EDGES PER CITY OF PUYALLUP STANDARD DETAIL 01.02.03

### PLANTING ABBREVIATIONS

#/NO	NUMBER	GAL	GALLON
Ø	DIAMETER	HT	HEIGHT
%	PERCENT	MAX	MAXIMUM
&	AND	MFR	MANUFACTURER
@	AT	MIN	MINIMUM
ADJ	ADJACENT	NTS	NOT TO SCALE
B&B	BALLED & BURLAPPED	OC	ON CENTER
CAL	CALIPER	QTY	QUANTITY
CL	CENTERLINE	SPEC(S)	SPECIFICATION(S)
CONT	CONTAINER	ST	SOUND TRANSIT
DIA	DIAMETER	STA	STATION
DWG(S)	DRAWING(S)	SYM	SYMBOL
ENG	ENGINEER	TYP	TYPICAL
EX	EXISTING	VAR	VARIETY

### PLANTING NOTES

- BRING ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS TO THE ATTENTION OF RESIDENT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
- LOCATE UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- RESIDENT ENGINEER MUST INSPECT PLANT MATERIALS AND STAKING LOCATIONS PRIOR TO INSTALLATION TO ASSURE THE APPROPRIATE LAYOUT AND PLANT CHARACTERISTICS ARE MET.
- COORDINATE PLANT MATERIAL LOCATIONS WITH DRIP TUBING LOCATIONS TO AVOID ANY CONFLICTS.
- ALL EXISTING PLANTING OR LAWN AREAS DISTURBED BY CONSTRUCTION NOT SHOWN ON PLANTING PLANS SHALL BE RESTORED TO MEET AND MATCH EXISTING CONDITIONS.
- TREE LOCATIONS SHOWN ON PLANTING PLANS ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO THE FOLLOWING APPLY:
 

A. STREET LIGHTS	10'
B. DRIVEWAYS	7.5'
C. INTERSECTIONS	30'
D. PARKING LOT LIGHTS	20'
E. FRONT OF STREET SIGNS	30'
F. BACK OF STREET SIGNS	10'
G. FIRE HYDRANTS	10'
H. UNDERGROUND WATER, SANITARY SEWER AND STORM SEWER LINES	10'
I. UNDERGROUND GAS OR POWER LINES	3'
J. UTILITY/POWER POLES	10'
K. UNDERGROUND FIBER CABLE	2'
L. BACK OF CURB OR ADJ WHEELSTOP	2.5'

7. LIMIT OF PLANTING EQUALS LIMIT OF SITE DISTURBANCE INCLUDING CLEAR & GRUB, GRADING, & STAGING AREAS. PLANTING AREAS INCLUDE FULL SOIL PREPARATION AND IRRIGATION UNLESS NOTED OTHERWISE ON PLANS. RESTORE ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES TO PRE CONSTRUCTION CONDITIONS. MEET & MATCH EX CONDITIONS WITH A SMOOTH TRANSITION.

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CITY OF PUYALLUP  
Planning Division  
Approved Landscape Plan  
(253) 864-4165

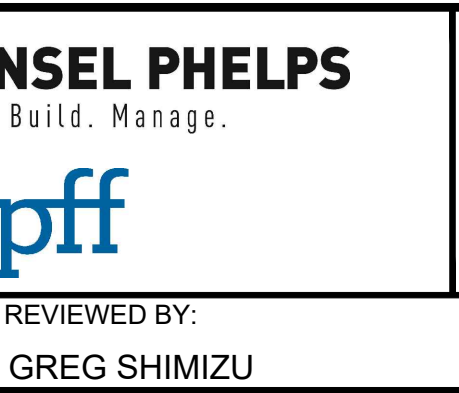
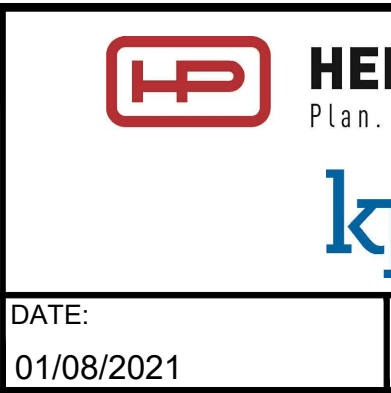
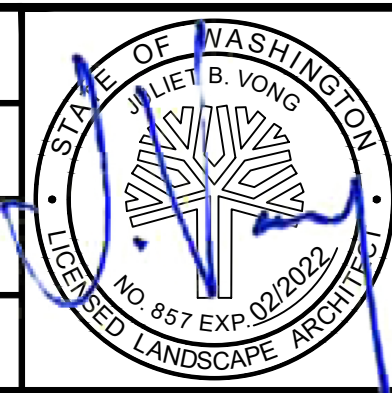
Staff:   
Date: 02.17.21

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## CIVIL PERMIT RESUBMITTAL

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG



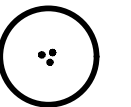


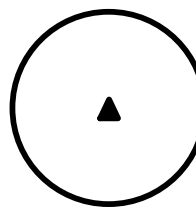


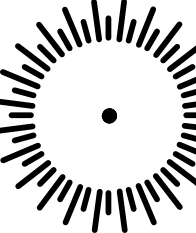


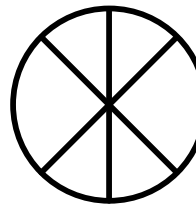





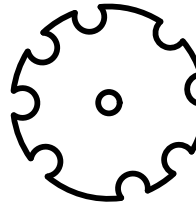





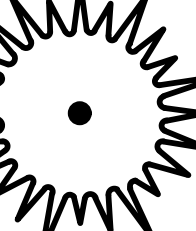





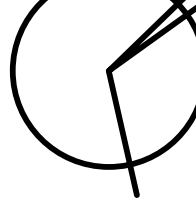


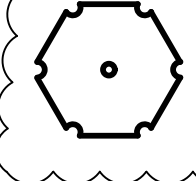



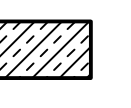


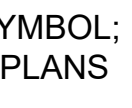

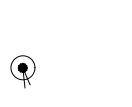



LINE IS 1" AT FULL SCALE


<b>PACKAGE #</b> DP-2	<b>SITWORK AND UTILITIES</b>	<b>DRAWING No.:</b> F1592-LPN100
	SCALE: NTS FILENAME: S317-F1592-LPN100 CONTRACT No.: RTA/CN 0612-18	<b>FACILITY ID:</b> F1592
	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS</b>	<b>SHEET No.:</b> 58/81
	<b>LANDSCAPE PLANTING GENERAL NOTES, LEGEND, AND ABBREVIATIONS</b>	
DATE: 01/08/2021	REVIEWED BY: GREG SHIMIZU	
DATE: 01/08/2021	SUBMITTAL DATE: 01/08/2021	

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504



**PLANTING SCHEDULE**

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS	SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS	SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
<b>TREES</b>				<b>SHRUBS/GROUNDCOVERS</b>				<b>SHRUBS/GROUNDCOVERS</b>			
	5	ACER CIRCINATUM/ VINE MAPLE	6'-8' HT; B&B; FULL, WELL ROOTED & WELL BRANCHED; MULTI-TRUNKED WITH MIN 3 MAIN TRUNKS; SYMMETRICAL BRANCHING HABIT		440	ARCTOSTAPHYLOS UVA-URSI / KINNIKINNICK	1 GAL CONT; FULL & WELL ROOTED; MIN 12" OFFSET FROM BACK OF CURB OR PAVING		703	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 36" OFFSET FROM EDGE OF CURB OR PAVING
	3	AMELANCHIER GRANDIFLORA 'PRINCESS DIANA' / PRINCESS DIANA SERVICEBERRY	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		61	CAREX OBNUTA/ SLOUGH SEDGE	1 GAL CONT; FULL & WELL ROOTED		341	RHUS AROMATICA 'GRO-LOW' / GRO LOW SUMAC	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 36" OFFSET FROM EDGE OF CURB OR PAVING
	4	CALOCEDRUS DECURRENS/ INCENSE CEDAR	6'-8' HT; B&B; FULL, WELL ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT; NOT SHEARED		64	CAREX TESTACEA/ NEW ZEALAND HAIR SEDGE	1 GAL CONT; FULL & WELL ROOTED		121	ROSMARINUS OFFICINALIS / ROSEMARY	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	1	CORNUS KOUSA/ KOUSA DOGWOOD	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		39	COREOPSIS VERTICILLATA 'MOONBEAM' / MOONBEAM TICKSEED	1 GAL CONT; FULL & WELL ROOTED		222	RUDBECKIA FULGIDA / BLACK EYED SUSAN	1 GAL CONT; FULL & WELL ROOTED
	3	CORNUS KOUSA X NUTTALLII 'VENUS' / VENUS DOGWOOD	2" CAL; B&B; FULL WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		10	CORNUS SANGUINEA 'CATO' / ARCTIC SUN REDTWIG DOGWOOD	5 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED		923	SEDUM OREGANUM / BROADLEAF STONECROP	1 GAL CONT; FULL & WELL ROOTED; 12" OFFSET FROM EDGE OF PAVING
	8	GINKGO BILOBA 'PRINCETON SENTRY' / PRINCETON SENTRY GINKGO	2" CAL; B&B; FULL WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		22	CORNUS STOLONIFERA / KELSEYI DOGWOOD	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED		185	SPIRAEA BETULIFOLIA 'TOR' / BIRCHLEAF SPIREA	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	13	ULMUS AMERICANA 'PRINCETON' / AMERICAN ELM*	2" CAL; MIN 6' BRANCH HT; B&B; FULL WELL, ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT		105	ECHINACEA PURPUREA / PURPLE CONEFLOWER	1 GAL CONT; FULL & WELL ROOTED		80	VACCINIUM OVATUM/ EVERGREEN HUCKLEBERRY	5 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	1	THUJA PLICATA / WESTERN RED CEDAR	6'-8' HT; B&B; FULL, WELL ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT; NOT SHEARED		209	EPIMEDIUM X PERRALCHICUM / HYBRID EPIMEDIUM	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; 12" OFFSET FROM EDGE OF PAVING		19	VANCOUVERIA HEXANDRA/ INSIDE-OUT FLOWER	1 GAL CONT; FULL & WELL ROOTED
	7	TILIA CORDATA 'DEGROOT' / DEGROOT LITTLELEAF LINDEN	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		276	EUONYMUS JAPONICUS 'MICROPHYLLUS' / BOX-LEAF EUONYMUS	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED				
	21	TILIA TOMENTOSA 'STERLING' / STERLING SILVER LINDEN*	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		39	GAULTHERIA SHALLOM / SALAL	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED				
	1	ZELKOVA SERRATE 'CITY SPRITE' / CITY SPRITE ZELKOVA*	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT		80	HEMEROCALLIS 'STELLA DE ORO' / STELLA DE ORO DAYLILY	1 GAL CONT; FULL & WELL ROOTED; 12" OFFSET FROM EDGE OF CURB OR PAVING				
					229	LIRIOPE MUSCARI 'BIG BLUE' / BIG BLUE LILYTURF	1 GAL CONT; FULL & WELL ROOTED				
					83	MAHONIA NERVOSA / LOW OREGON GRAPE	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 2'-6" OFFSET FROM BACK OF CURB OR PAVING				
					2511	NARCISSUS 'GIGANTIC STAR' / LARGE CUPPED DAFFODIL	3/4" - 1" DIA BULB; 6" CLEAR OF THE ROOTBALL OF OTHER SHRUBS AND GROUNDCOVERS; MIN 6" OFFSET FROM EDGE OF CURB OR PAVING				
					140	PENNESETUM ALOPECUROIDES / DWARF FOUNTAIN GRASS	2 GAL CONT; FULL & WELL ROOTED				
					15	POLYSTICHUM MUNITUM / SWORD FERN	1 GAL CONT; FULL & WELL ROOTED				

**RESTORATION**  
 SOD EXISTING LAWN AREAS TO BE RESTORED WITH SOD; SEE DETAIL 1/F1592-LPD101

 MULCH EXISTING PLANTED AREAS TO BE RESTORED WITH 3" MULCH DEPTH; SEE DETAIL 1/F1592-LPD101

**NOTES**  
 \* ANY PLANT SUBSTITUTION REQUESTS FOR THESE TREES MUST HAVE CITY OF PUYALLUP APPROVAL.

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165  
 Staff:   
 Date: **02.17.21**  
 THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.  
 NOTE: If street trees are required, Call Planning Division for final inspection; (253) 864-4165 (Option 3)  
 Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.

01/08/21 | 8:17 PM | PMAGINNITY P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS\PI\GRAPHICS\AUTOCAD\317-F1592-LPS100.DWG

<b>CIVIL PERMIT RESUBMITTAL</b>					
DESIGNED BY:	R. DOTSON				
DRAWN BY:	P. MAGINNITY				
CHECKED BY:	J. VONG				
APPROVED BY:	J. VONG				
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

STATE OF WASHINGTON  
 JET B. VONG  
 LICENSED LANDSCAPE ARCHITECT  
 NO. 857 EXP. 02/2022

**HBB**  
 LANDSCAPE ARCHITECTURE

DESIGNED BY: SARA ROBERTS  
 DATE: 01/08/2021

**HENSEL PHELPS**  
 Plan. Build. Manage.

**kpff**

REVIEWED BY: GREG SHIMIZU  
 DATE: 01/08/2021

**SOUNDTRANSIT**

SCALE: NTS  
 FILENAME: S317-F1592-LPS100  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/08/2021

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

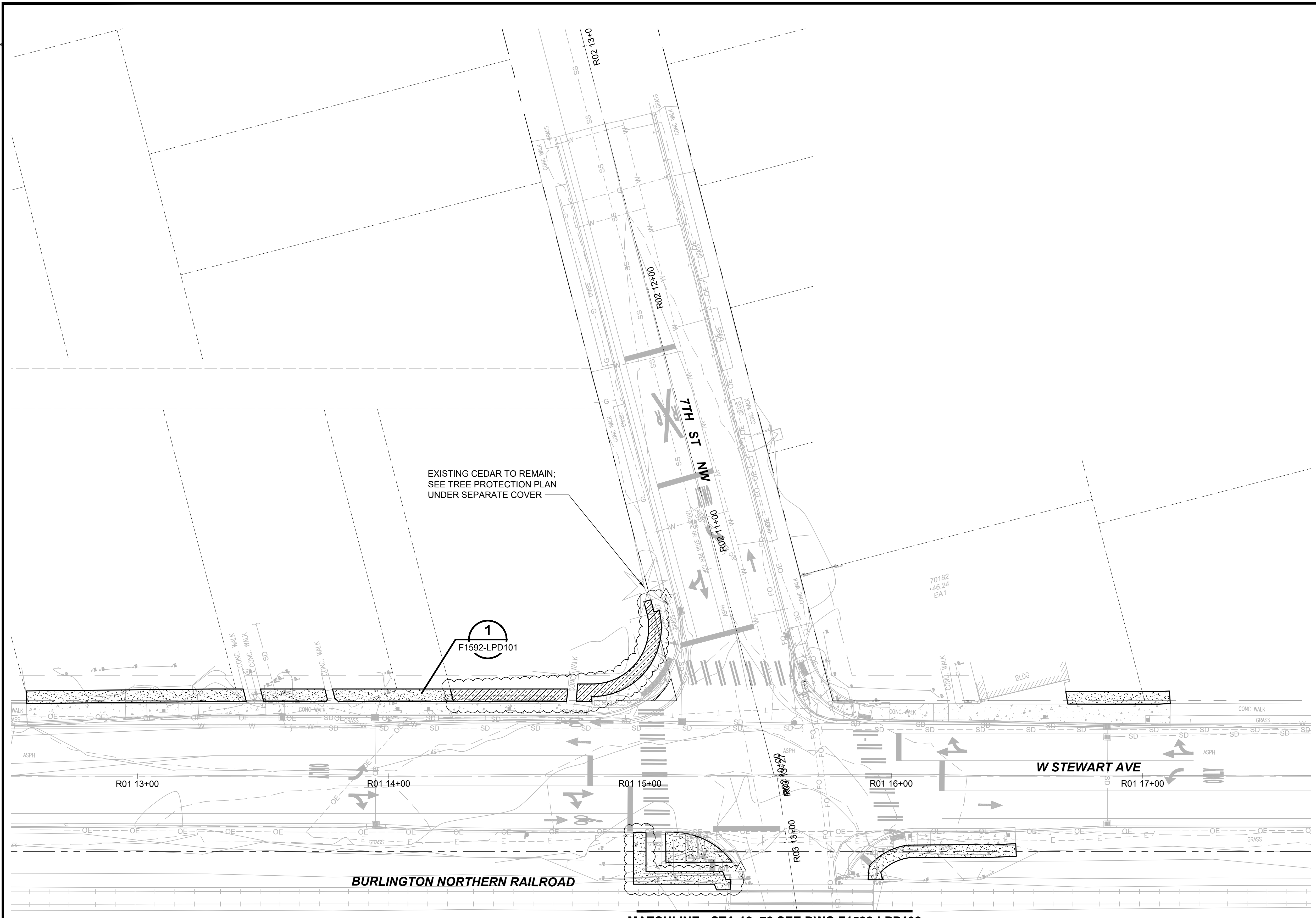
LANDSCAPE PLANTING SCHEDULE

DRAWING No.:	<b>F1592-LPS100</b>
FACILITY ID:	F1592
SHEET No.:	59/81



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 xGB-TB-Views\_20-Scal  
 xS317-F1592-CSP100  
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 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-CCP100  
 xS317-F1592-CMP100  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100

- GENERAL NOTES:**
- SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
  - SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.



EXISTING CEDAR TO REMAIN;  
 SEE TREE PROTECTION PLAN  
 UNDER SEPARATE COVER

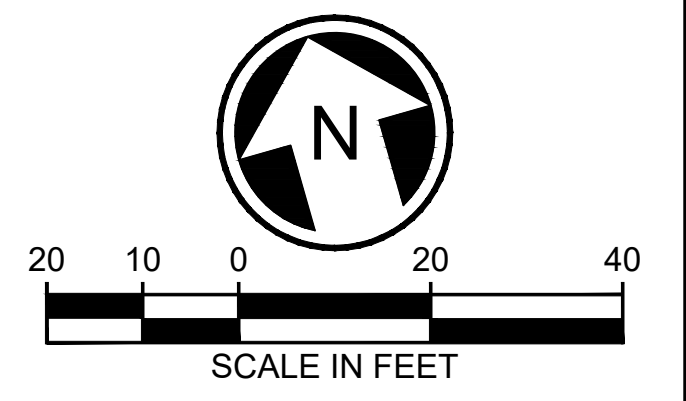
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 F1592-LPD101

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

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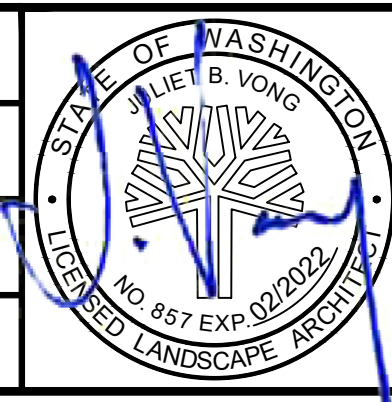


MATCHLINE: STA 12+72 SEE DWG F1592-LPP102

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>		<b>DP-2</b>	<b>SITWORK AND UTILITIES</b>		<b>DRAWING No.:</b>
					<b>F1592-LPP101</b>
					<b>FACILITY ID:</b>
					F1592
					<b>SHEET No.:</b>
					60/81
					<b>REVISIONS</b>
<b>No.</b>	<b>DATE</b>	<b>DSN</b>	<b>CHK</b>	<b>APP</b>	<b>REVISION</b>
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

**SOUNDTRANSIT**

SCALE:  
1" = 20'  
 FILENAME:  
S317-F1592-LPP101  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 PLANTING PLAN**

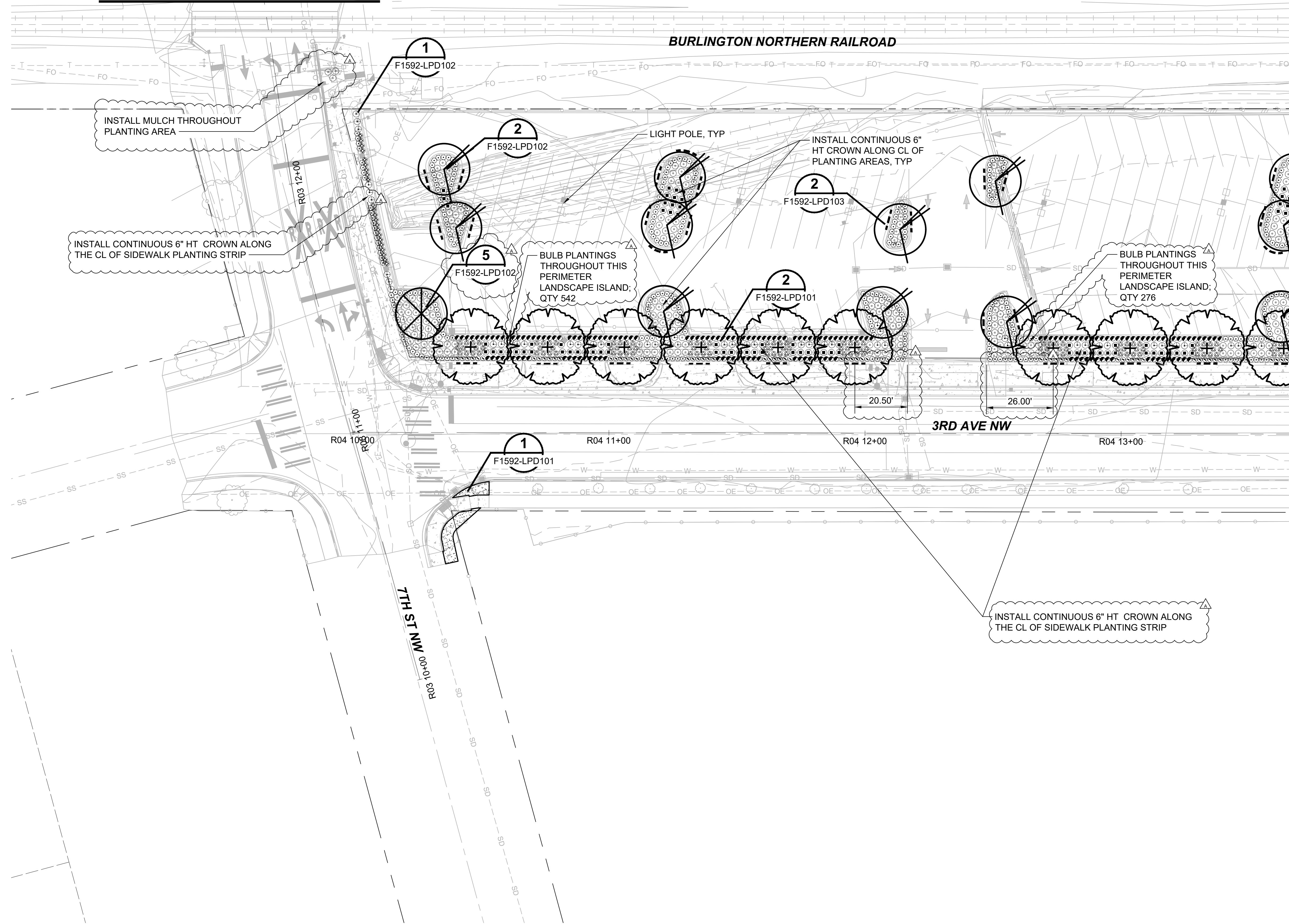
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F1592-LPP101  
**FACILITY ID:**  
F1592  
**SHEET No.:**  
60/81



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 xGB-TB-Views\_20-Scal  
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 xS317-F1592-CGP100  
 xS317-F1592-CMP100  
 xS317-F1592-TSP100  
 xS317-F1592-ELP100  
 xS317-F1592-VRK100  
 xS317-F1592-CLP100  
 dS317-F1592-CAP100

MATCHLINE: STA 12+72 SEE DWG F1592-LPP101

BURLINGTON NORTHERN RAILROAD



**GENERAL NOTES:**

- SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
- SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

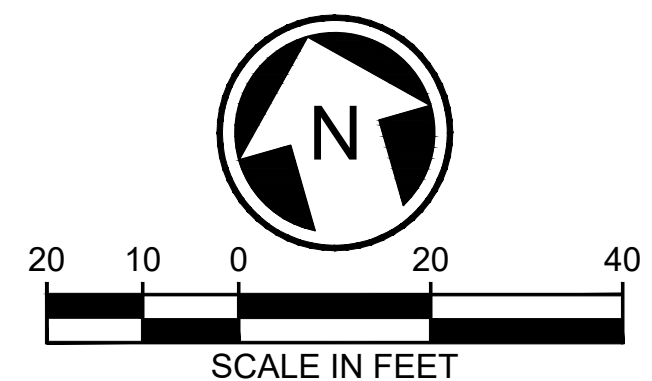
MATCHLINE: STA 08+47 SEE DWG F1592-LPP103

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff: [Signature]  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

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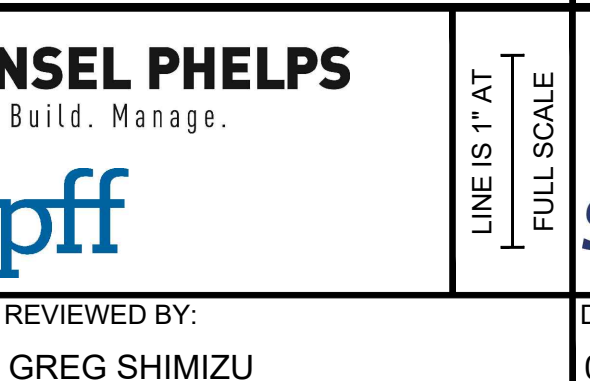
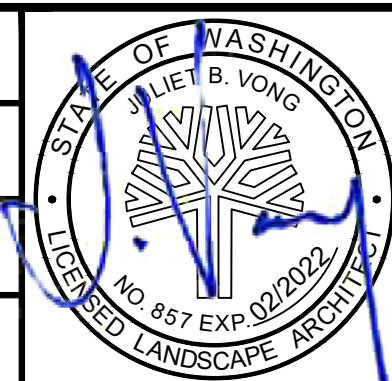
<b>CIVIL PERMIT RESUBMITTAL</b>					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



PACKAGE # DP-2 SITEWORK AND UTILITIES

SCALE:  
1" = 20'

FILENAME:  
S317-F1592-LPP102

CONTRACT No.:  
RTA/CN 0612-18

SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 PLANTING PLAN**

DRAWING No.:  
**F1592-LPP102**

FACILITY ID:  
F1592

SHEET No.: REV:  
**61/81**

SUBMITTED BY:  
SARA ROBERTS

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

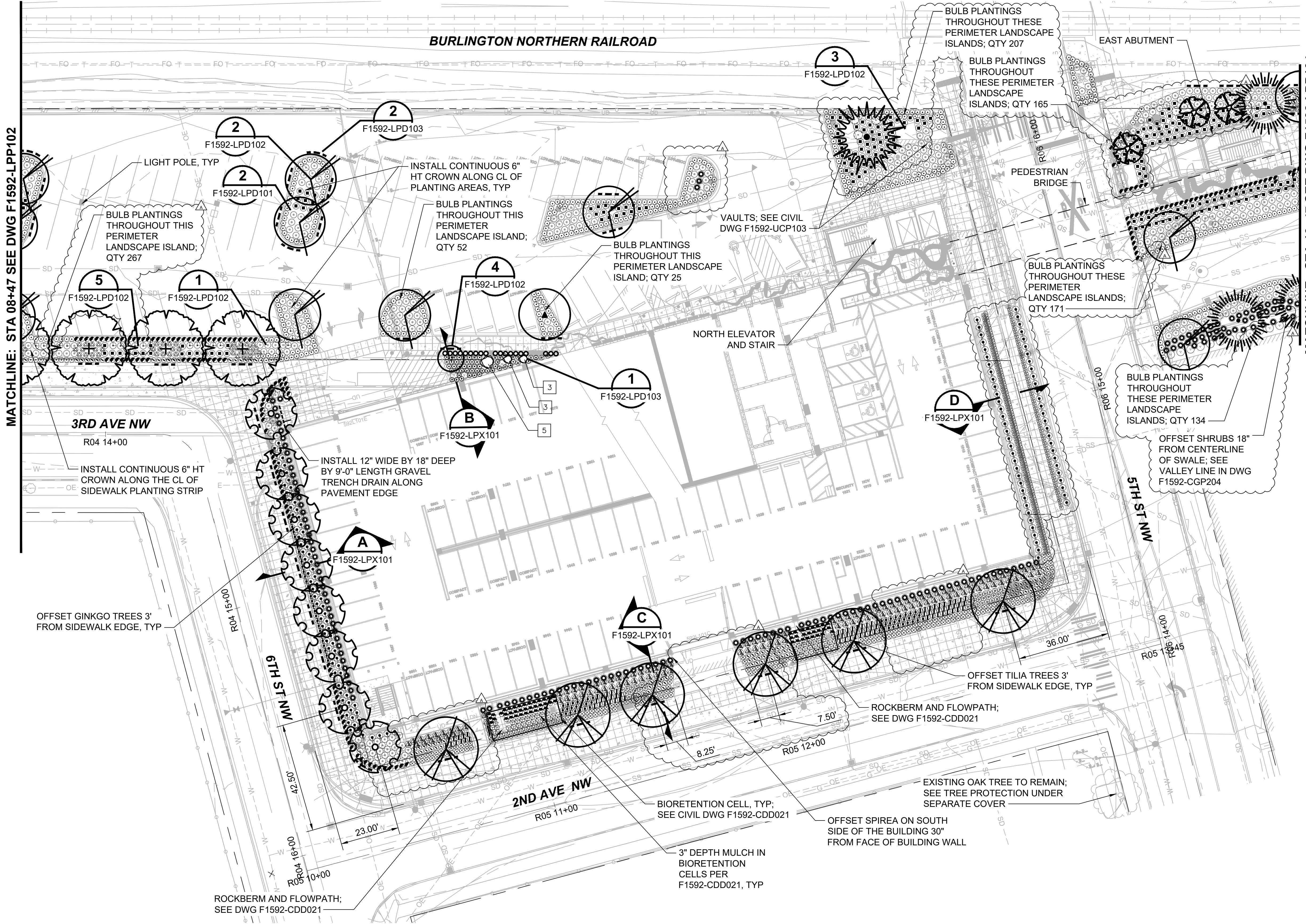
DATE:  
01/08/2021



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 xS317-F1592-LHP100  
 xS317-F1592-LWP100  
 xS317-F1592-CGP100  
 xS317-F1592-TSP100  
 xS317-F1592-LCP100  
 xS317-F1592-CMP100  
 xS317-F1592-UPP100  
 xS317-F1592-ELP100  
 xS317-F1592-APP101  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100  
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MATCHLINE: STA 08+47 SEE DWG F1592-LPP102

MATCHLINE: STA 13+47 SEE DWG F1592-LPP104



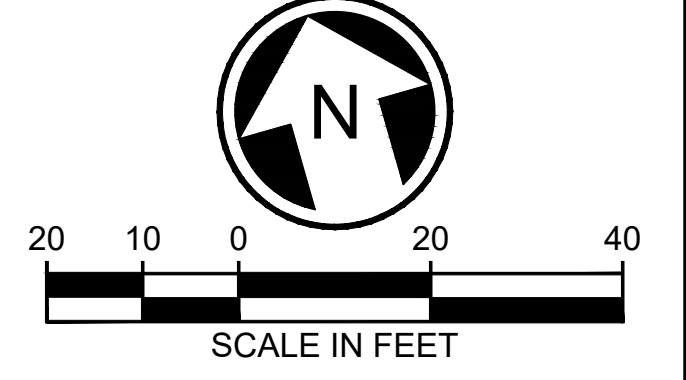
- GENERAL NOTES:**
- SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
  - SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



01/08/21 | 8:18 PM | PMAGINNITY  
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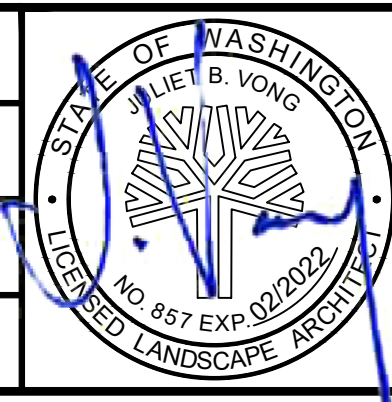
**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



**HBB**  
 LANDSCAPE ARCHITECTURE

SUBMITTED BY:  
SARA ROBERTS

**HENSEL PHELPS**  
 Plan. Build. Manage.

**kpff**

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021

PACKAGE # DP-2 SITework AND UTILITIES

SCALE:  
1" = 20'

FILENAME:  
S317-F1592-LPP103

CONTRACT No.:  
RTA/CN 0612-18

SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE PLANTING PLAN

DRAWING No.:  
**F1592-LPP103**

FACILITY ID:  
F1592

SHEET No.: REV:  
**62/81**

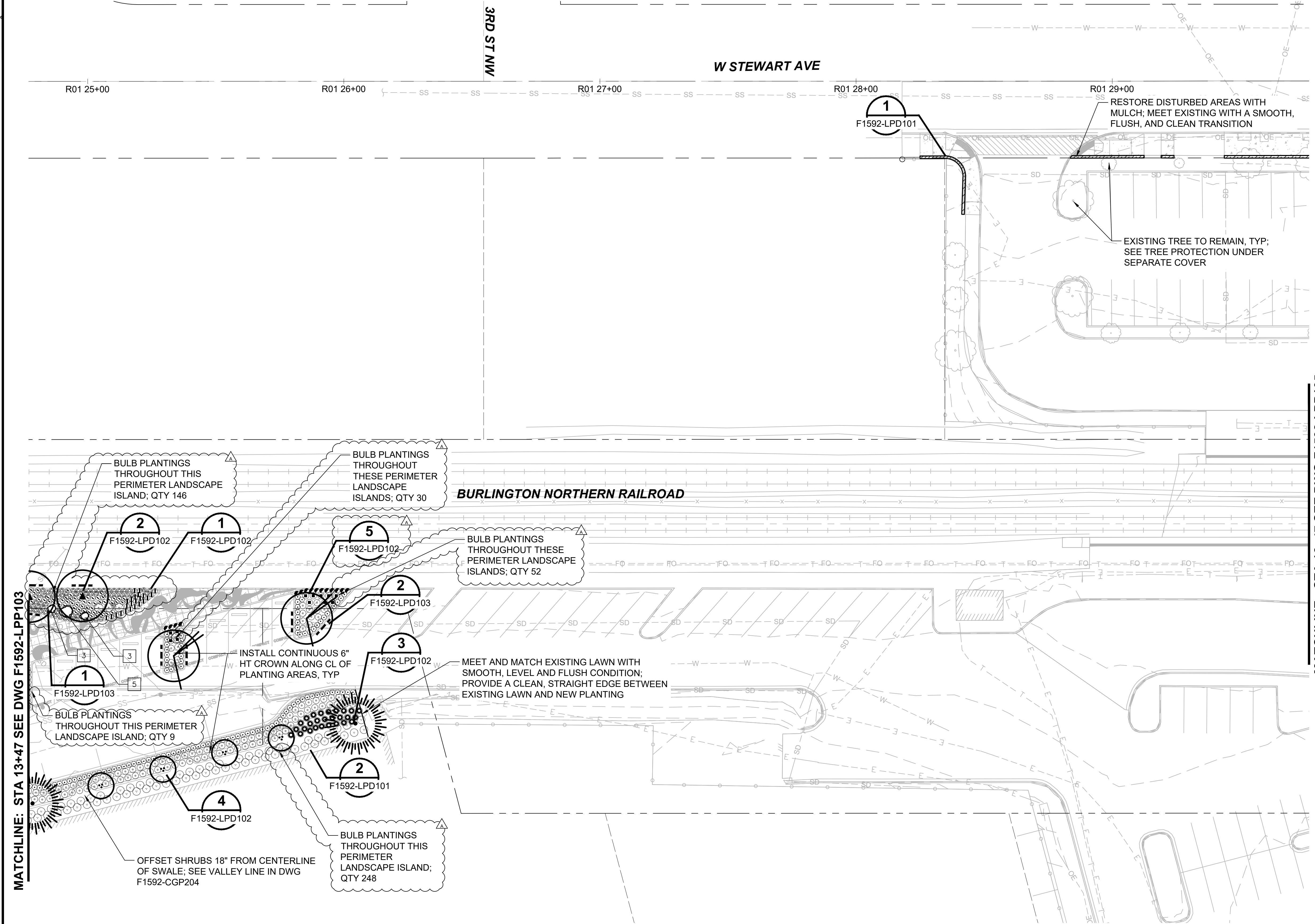
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504



Xrefs:  
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 xGB-TB-Views\_20-Scal  
 xS317-F1592-CSP100  
 xS317-F1592-LPP100  
 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-CGP100  
 xS317-F1592-ELP100  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100  
 xS317-F1592-UCP100

**GENERAL NOTES:**

- SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
- SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.



MATCHLINE: STA 13+47 SEE DWG F1592-LPP103

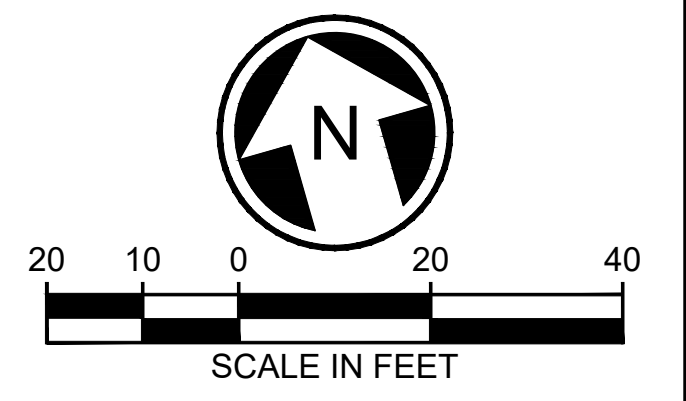
MATCHLINE: STA 18+47 SEE DWG F1592-LPP105

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: **02.17.21**

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

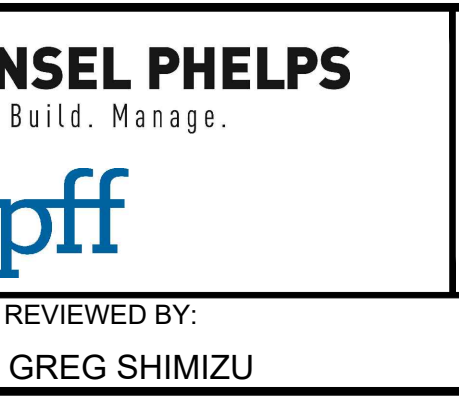
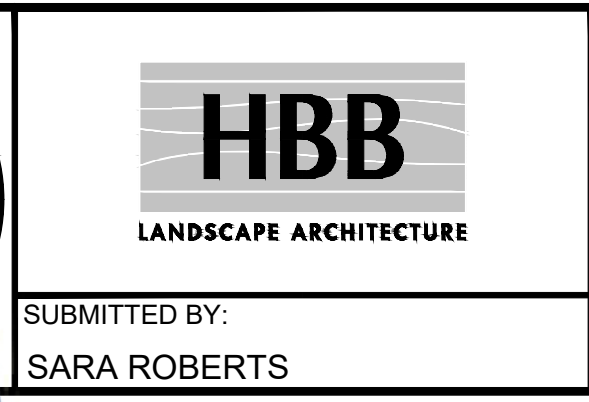
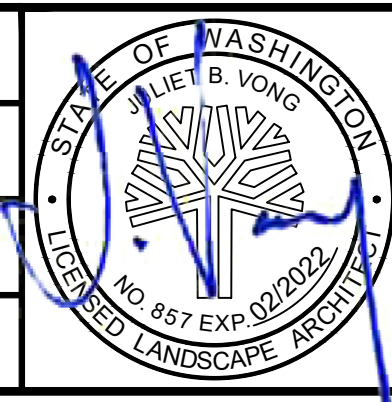
NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



01/08/21 | 8:19 PM | PMAGINNITY  
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<b>CIVIL PERMIT RESUBMITTAL</b>					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>	<b>DP-2</b>	<b>SITWORK AND UTILITIES</b>
SCALE:	1" = 20'	<b>PUYALLUP STATION PARKING          CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS LANDSCAPE PLANTING PLAN
FILENAME:	S317-F1592-LPP104	
CONTRACT No.:	RTA/CN 0612-18	
SUBMITTAL DATE:	01/08/2021	

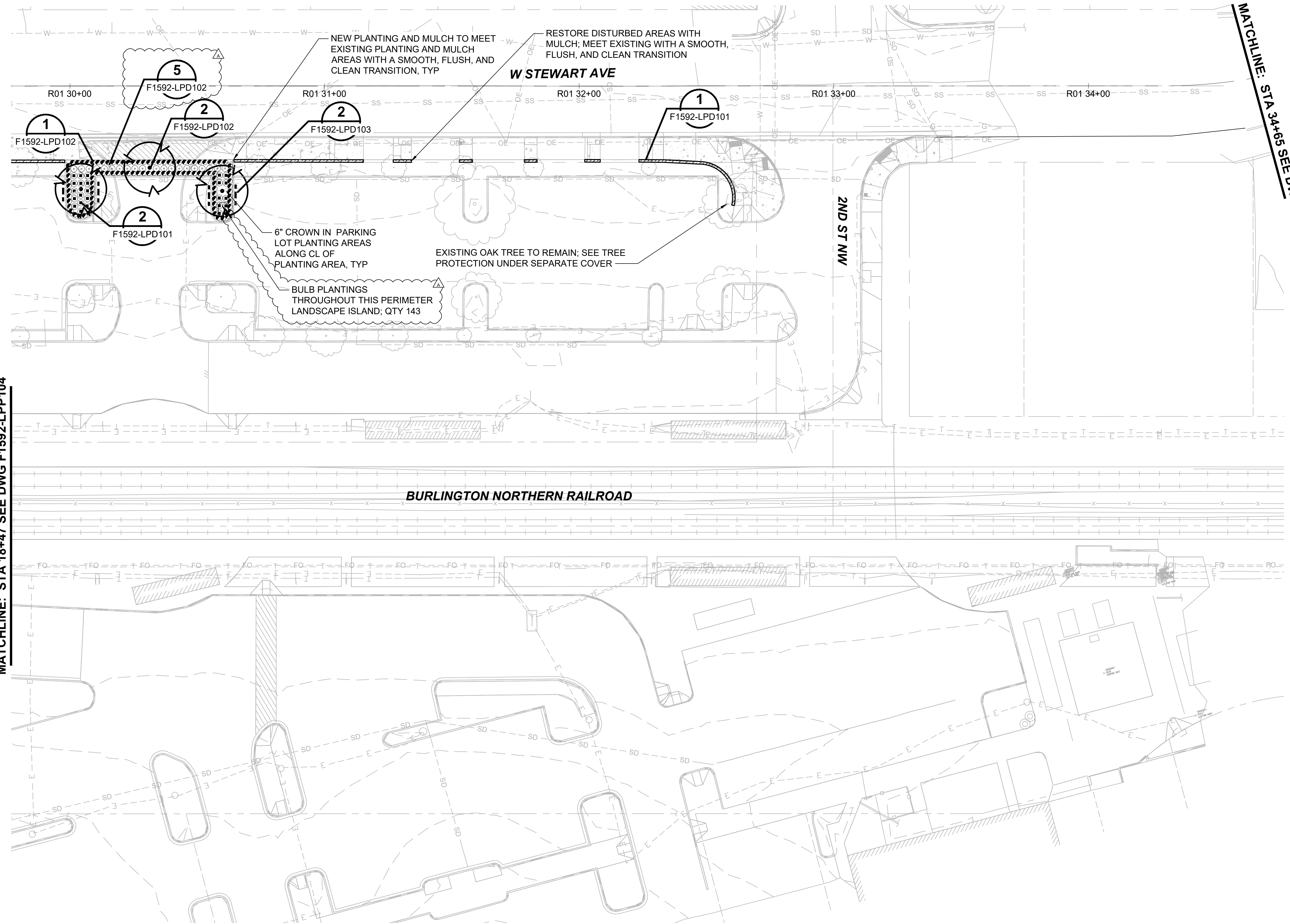
DRAWING No.:	<b>F1592-LPP104</b>
FACILITY ID:	F1592
SHEET No.:	63/81

DATE:	01/08/2021
REVIEWED BY:	GREG SHIMIZU



Xrefs:  
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 x8B-TB-Views\_20-Scal  
 xS317-F1592-CSP100  
 xS317-F1592-LPP100  
 xS317-F1592-LHP100  
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 xS317-F1592-VR100  
 xS317-F1592-CAP100  
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MATCHLINE: STA 18+47 SEE DWG F1592-LPP104



MATCHLINE: STA 34+83 SEE DWG F1592-LPP109

- GENERAL NOTES:**
- SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
  - SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

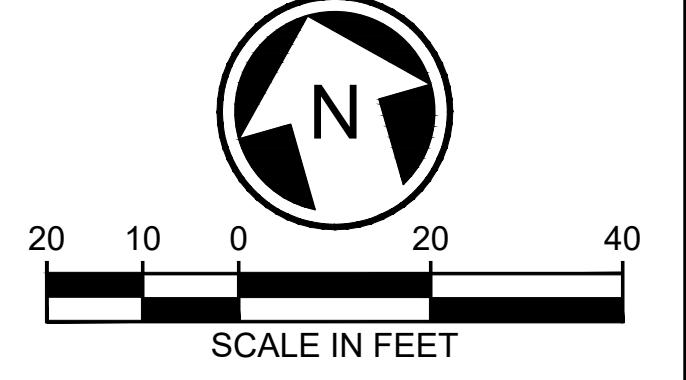
**BURLINGTON NORTHERN RAILROAD**

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff: [Signature]  
 Date: 02.17.21

THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY IS NOT RESPONSIBLE FOR ERRORS OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE PLANNING DIRECTOR, DESIGNER, OR PROJECT PLANNER.

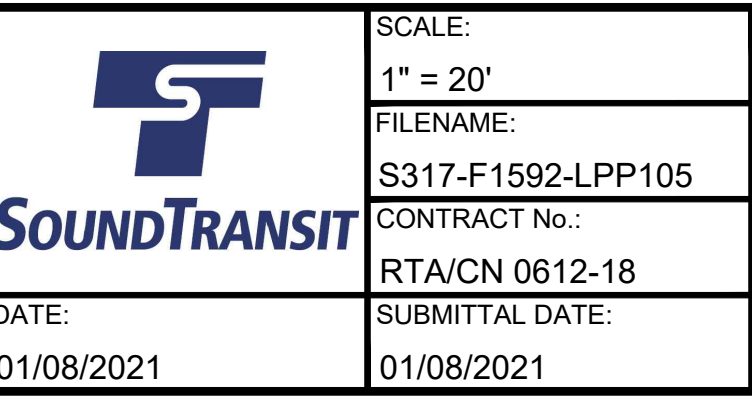
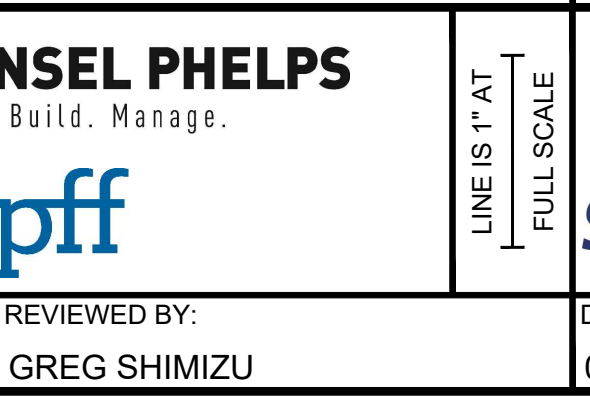
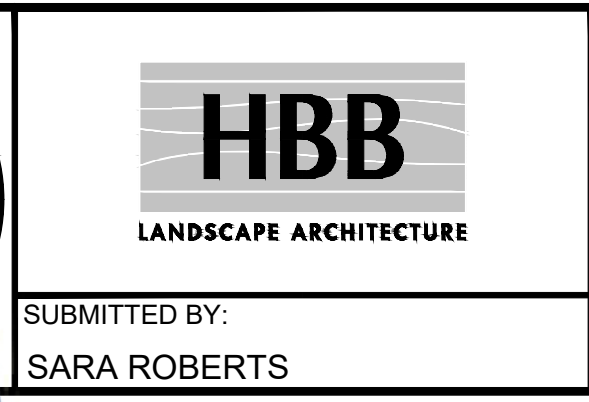
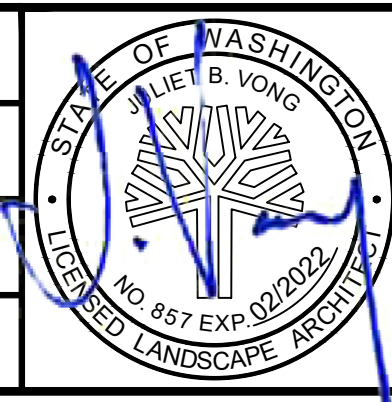
NOTE: If street trees are required, Call Planning Division for final inspection: (253) 864-4165 (Option 3) Root barriers are required around street trees in accordance with city standard detail. Top soil shall be installed in accordance with city standards - field verification required. Failure to install top soil and root barriers in accordance with the city standards may result in rejection of installation.



01/08/21 | 8:19 PM | PMAGINNITY  
 P:\2020 PROJECTS\2020-18 PUYALLUP STATION PARKING AND ACCESS\MP\GRAPHICS\AUTOCAD\317-F1592-LPP\05.DWG

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



**PACKAGE # DP-2 SITEWORK AND UTILITIES**

SCALE:  
1" = 20'  
 FILENAME:  
S317-F1592-LPP105  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 PLANTING PLAN**

DRAWING No.:  
**F1592-LPP105**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
**64/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS  
 DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU  
 DATE:  
01/08/2021

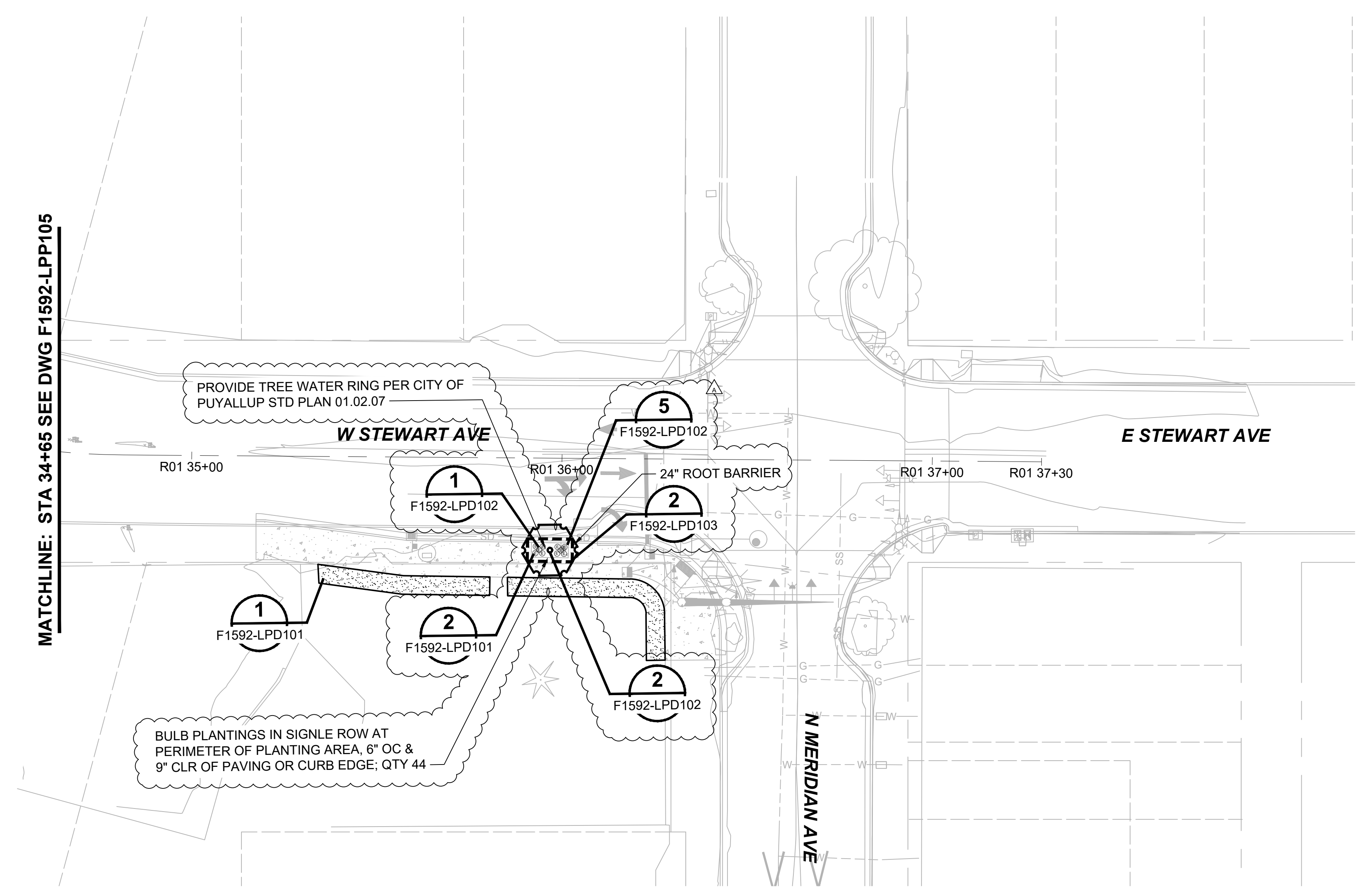
DATE:  
01/08/2021



Xrefs:  
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 xS317-F1592-CSP100  
 xS317-F1592-LPP100  
 xS317-F1592-LHP100  
 xS317-F1592-VRX100  
 xS317-F1592-TSP100  
 xS317-F1592-CMP100  
 xS317-F1592-CDP100  
 xS317-F1592-CAP100

**GENERAL NOTES:**

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.



MATCHLINE: STA 34+65 SEE DWG F1592-LPP105

PROVIDE TREE WATER RING PER CITY OF PUYALLUP STD PLAN 01.02.07

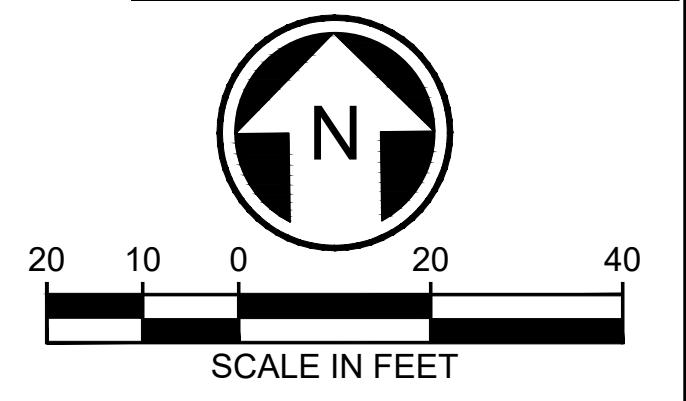
BULB PLANTINGS IN SINGLE ROW AT PERIMETER OF PLANTING AREA, 6" OC & 9" CLR OF PAVING OR CURB EDGE; QTY 44

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff: *[Signature]*  
 Date: **02.17.21**

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01/08/21 | 8:19 PM | PMAGINNITY  
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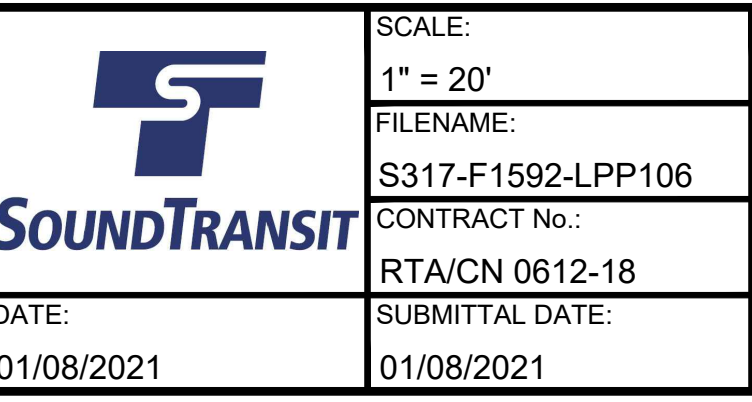
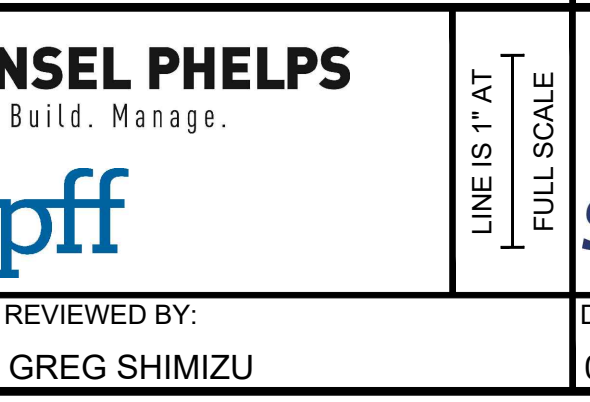
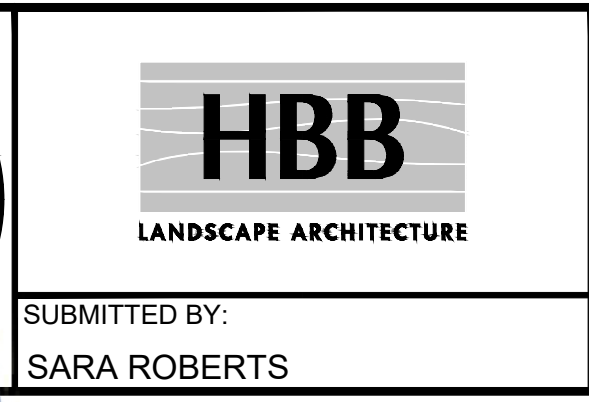
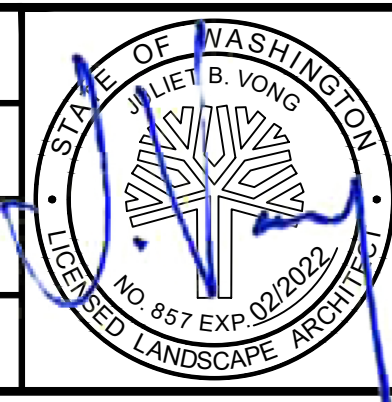
CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON

DRAWN BY:  
P. MAGINNITY

CHECKED BY:  
J. VONG

APPROVED BY:  
J. VONG



PACKAGE #	DP-2	SITWORK AND UTILITIES
PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS LANDSCAPE PLANTING PLAN		
DRAWING No.:	F1592-LPP106	
FACILITY ID:	F1592	
SHEET No.:	REV: 65/81	

SUBMITTED BY: SARA ROBERTS

DATE: 01/08/2021

REVIEWED BY: GREG SHIMIZU

DATE: 01/08/2021

SCALE: 1" = 20'

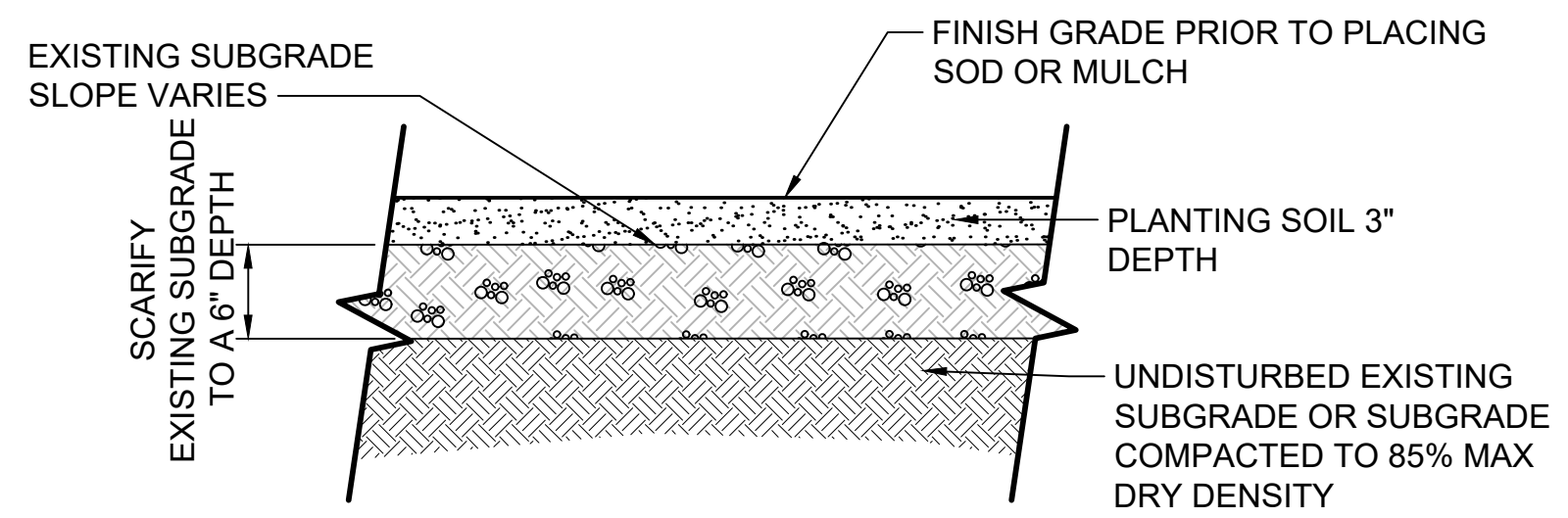
FILENAME: S317-F1592-LPP106

CONTRACT No.: RTA/CN 0612-18

SUBMITTAL DATE: 01/08/2021



Xrefs:  
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 xGB--TB--Views\_20--Scale  
 xS317--F1592--LPD001



**NOTES:**

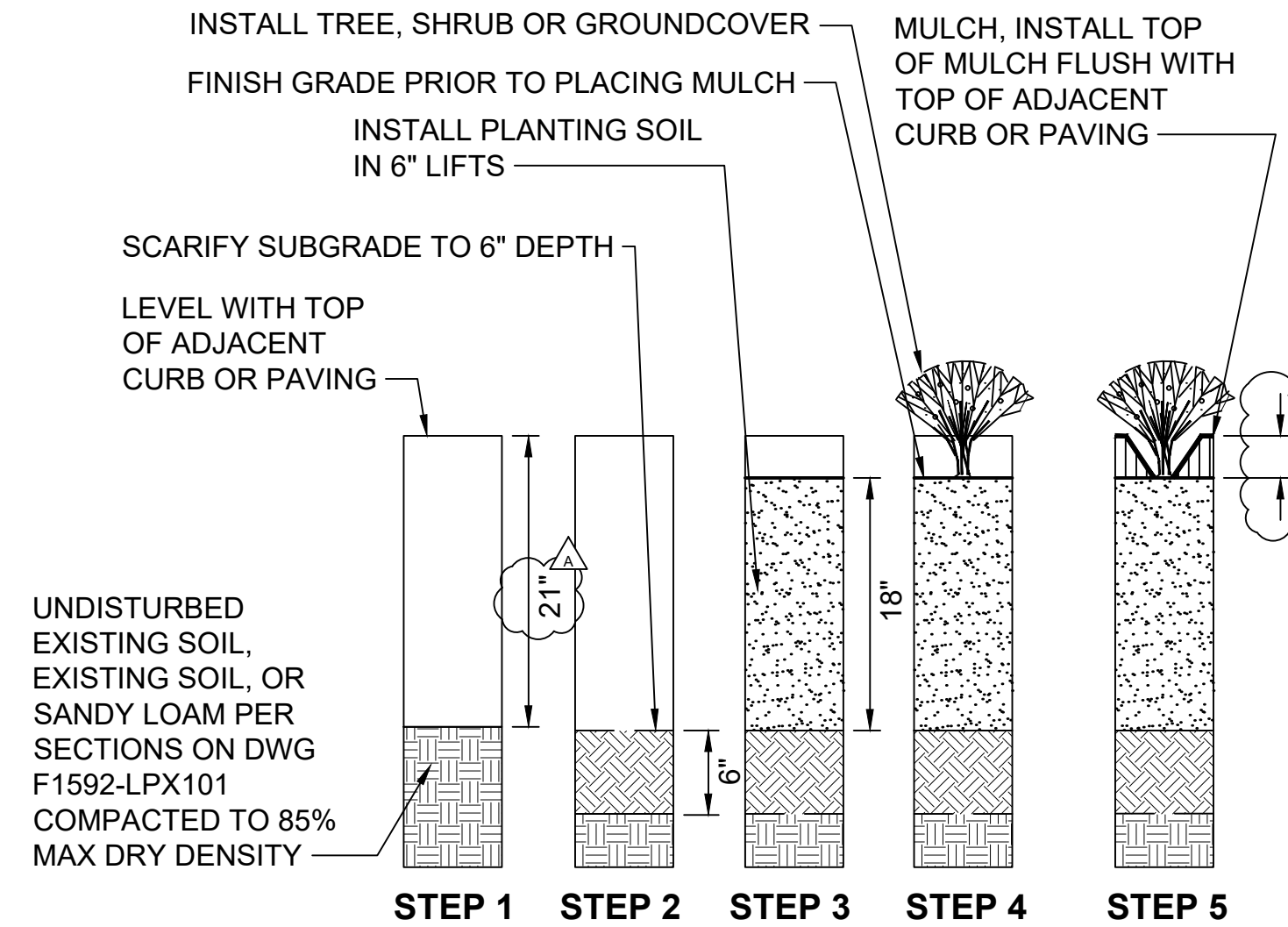
- STEP 1. AFTER CONCRETE AND OTHER INFRASTRUCTURE WORK IS COMPLETED, ESTABLISH TOP OF SCARIFIED SUBGRADE 4" BELOW ADJACENT CURB OR PAVING IN SOD AREAS AND 6" BELOW ADJACENT CURB OR PAVING IN MULCH AREAS.
- STEP 2. REMOVE ALL DEBRIS INCLUDING STUMPS, STICKS, ROOTS AND ROCKS OVER 1" AND DISPOSE OFF SITE, RESIDENT ENGINEER SHALL REVIEW AND APPROVE EXISTING SUBGRADE PRIOR TO INSTALLING PLANTING SOIL. VERIFY POSITIVE DRAINAGE.
- STEP 3. INSTALL 3" DEPTH OF COMPACTED PLANTING SOIL. COMPACT TO 85% MAXIMUM DRY DENSITY. RESIDENT ENGINEER SHALL REVIEW AND APPROVE PLANTING SOIL INSTALLATION PRIOR TO INSTALLING SOD OR MULCH.
- STEP 4. INSTALL SOD OR 3" DEPTH MULCH.

**RESTORATION AREA SOIL PREPARATION**

SCALE: NTS

**1**

F1592-LPP101  
 F1592-LPP102  
 F1592-LPP106



**STEP 1:**

EXCAVATE EXISTING SOIL TO DEPTH REQUIRED BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING BASE COURSE MATERIAL. PROVIDE TREE PIT DRAINAGE TEST PER SPECS, PRIOR TO PROCEEDING TO STEP 2.

**STEP 2:**

SCARIFY SUBGRADE TO 6" DEPTH.

**STEP 3:**

INSTALL AND SETTLE MIN 18" DEPTH PLANTING SOIL IN 6" LIFTS. INSTALL PLANTING SOIL & REVIEW FINISH GRADE WITH RESIDENT ENG PRIOR TO PLANTING. ADDITIONAL DEPTH OF PLANTING SOIL MAY BE REQUIRED TO PROVIDE MOUNDING OR CROSS SLOPE WHERE SHOWN ON DWGS.

**STEP 4:**

INSTALL PLANTS PER DETAILS.

**STEP 5:**

INSTALL MULCH TO 3" DEPTH.

**NOTES:**

- 1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS. COMPOST AND PLANTING SOIL SHALL BE COMPACTED TO 85% MAX DRY DENSITY.
- 2. COORDINATE SOIL PREPARATION WITH UTILITY LOCATIONS TO AVOID ANY CONFLICT. PROTECT EXISTING UTILITIES AS NEEDED.
- 3. REFER TO DRAWING F1592-CGP203 FOR SOIL PREPARATION IN BIORETENTION CELLS.

**PLANTING AREA SOIL PREPARATION**

SCALE: NTS

**2**

F1592-LPP102  
 F1592-LPP103  
 F1592-LPP104  
 F1592-LPP105  
 F1592-LPX101

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CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

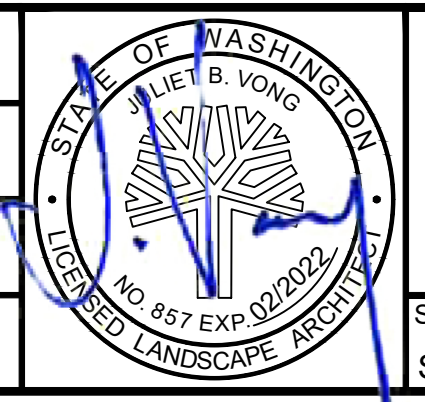
Staff:   
 Date: **02.17.21**

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:	R. DOTSON
DRAWN BY:	P. MAGINNITY
CHECKED BY:	J. VONG
APPROVED BY:	J. VONG



**HBB**  
 LANDSCAPE ARCHITECTURE

SUBMITTED BY:  
 SARA ROBERTS

**HP HENSEL PHELPS**  
 Plan. Build. Manage.

**kpff**

DATE:  
 01/08/2021

LINE IS 1" AT FULL SCALE

**SOUNDTRANSIT**

REVIEWED BY:  
 GREG SHIMIZU

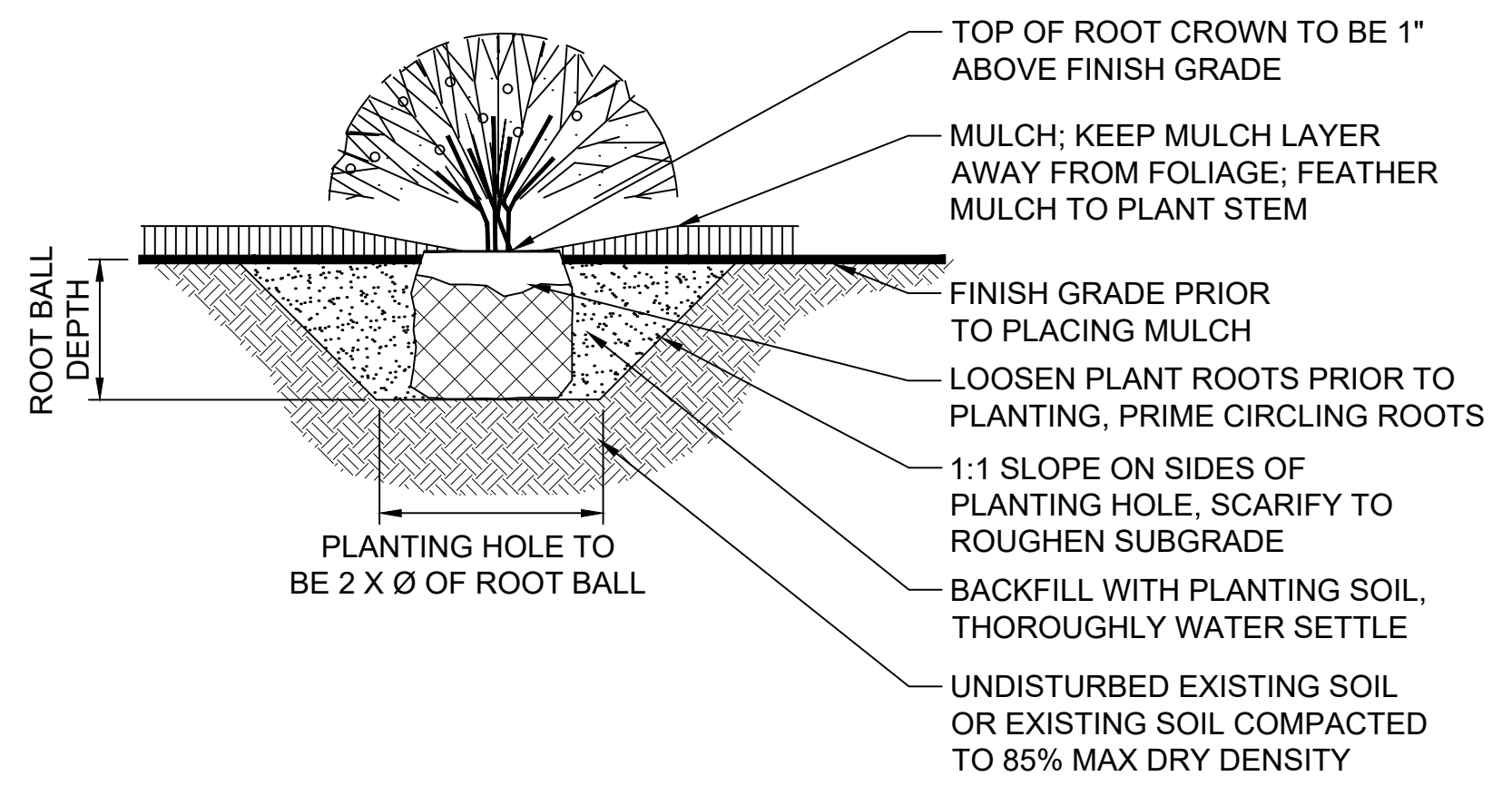
DATE:  
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<b>PACKAGE #</b>	<b>DP-2</b>	<b>SITWORK AND UTILITIES</b>
<b>PUYALLUP STATION PARKING        CONTRACT RTA/CN 0612-18        PUYALLUP STATION PARKING AND ACCESS        IMPROVEMENTS        LANDSCAPE        PLANTING DETAILS</b>		
SCALE: NTS	FILENAME: S317-F1592-LPD101	DRAWING No.: <b>F1592-LPD101</b>
CONTRACT No.: RTA/CN 0612-18	SUBMITTAL DATE: 01/08/2021	FACILITY ID: F1592
DATE: 01/08/2021		SHEET No.: 66/81

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504



Xrefs:  
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 xGB-TB-Views\_20-Scal  
 x5317-F1592-LPD001

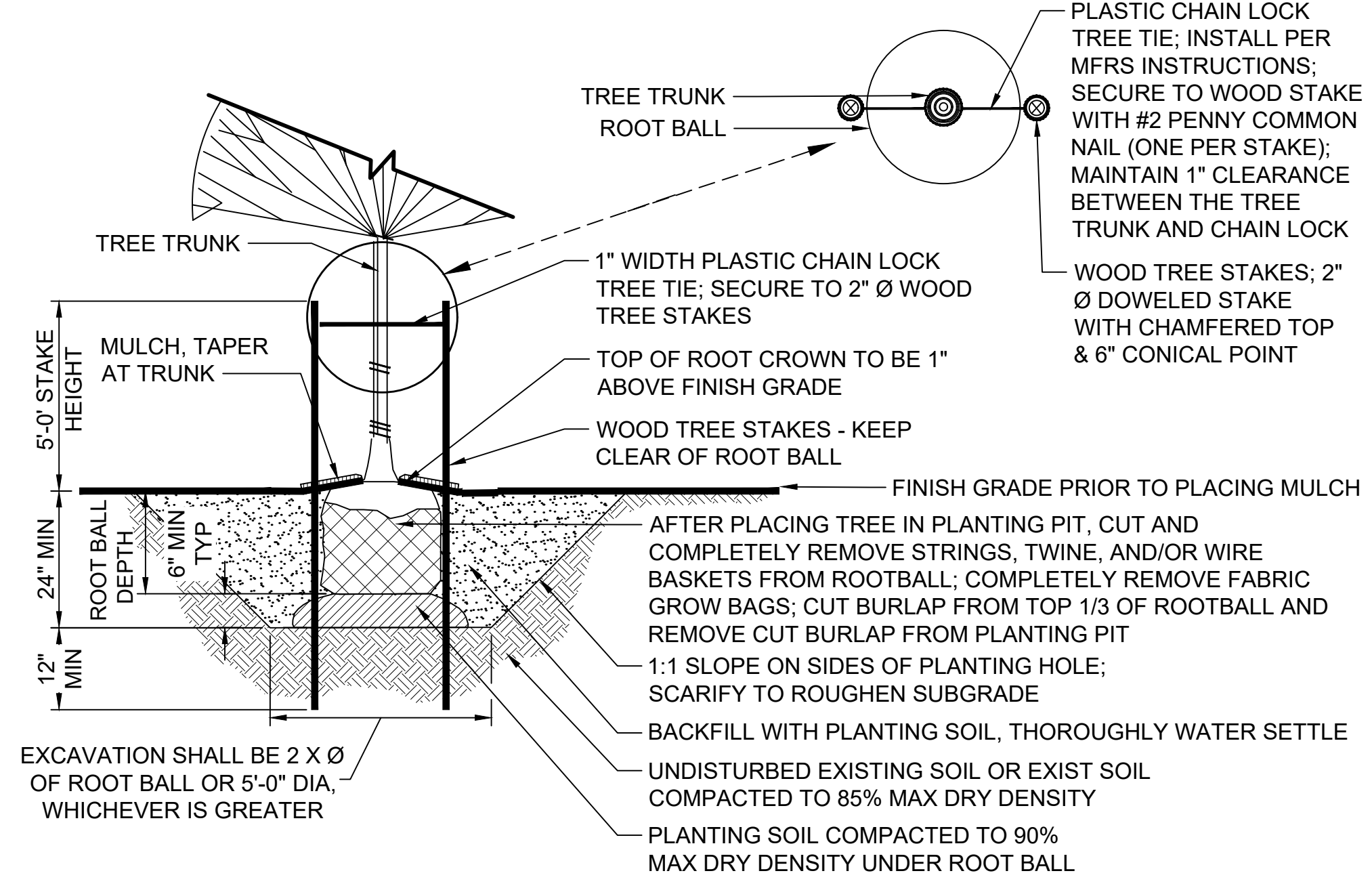


**SHRUB AND GROUNDCOVER PLANTING**

SCALE: NTS

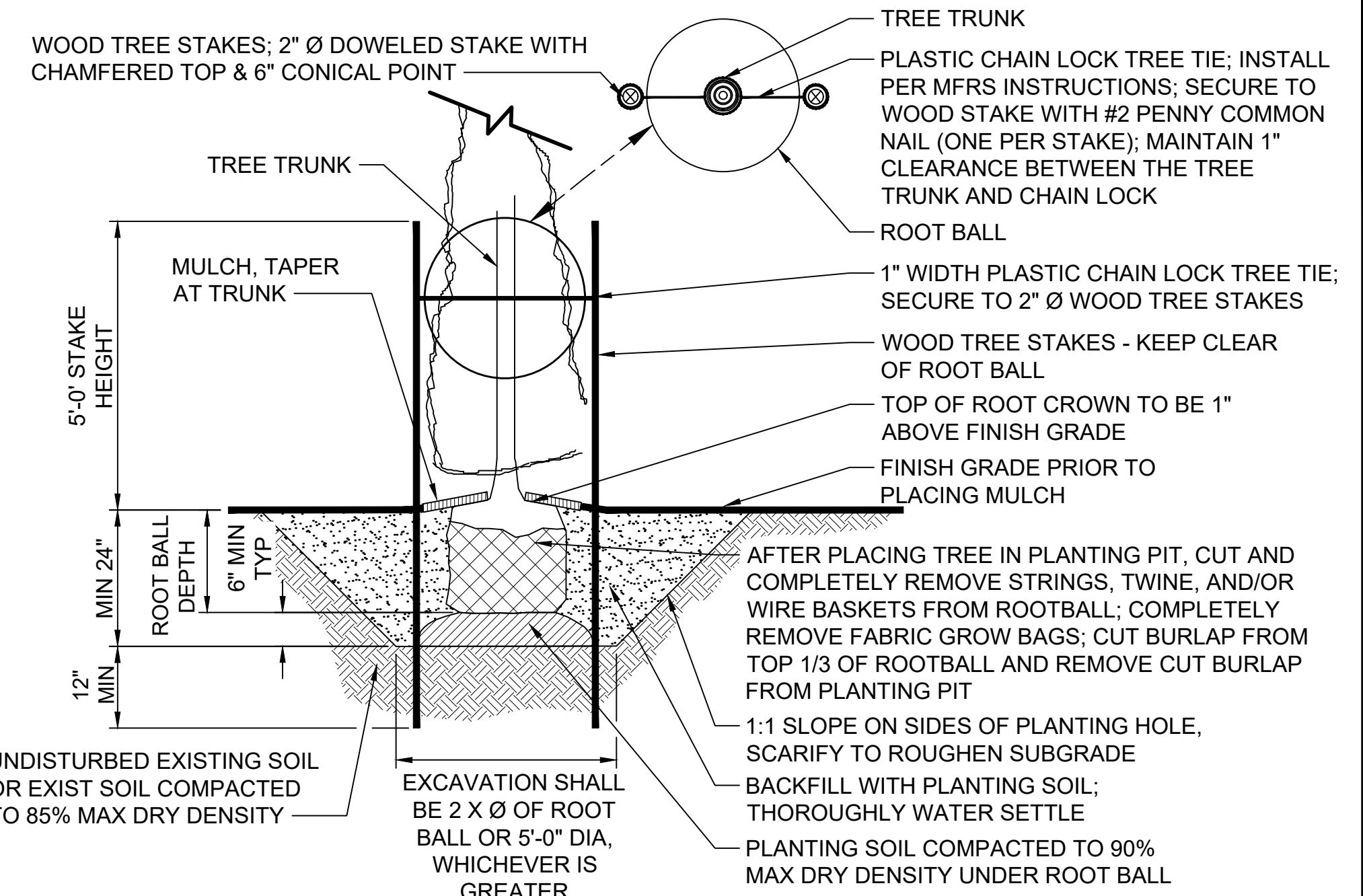
**1**

F1592-LPP102  
 F1592-LPP103  
 F1592-LPP104  
 F1592-LPP105



**NOTES:**

1. ROTATE TREES IN PLANTING AREAS ADJACENT TO VEHICULAR ZONES SO THAT THE DOMINANT BRANCHES ALIGN PARALLEL TO THE VEHICULAR ZONES.
2. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE. WHEN TREE IS ADJACENT TO SIDEWALK PLACE TREE STAKES PARALLEL TO SIDEWALK.



**NOTES:**

1. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE.

**DECIDUOUS TREE PLANTING**

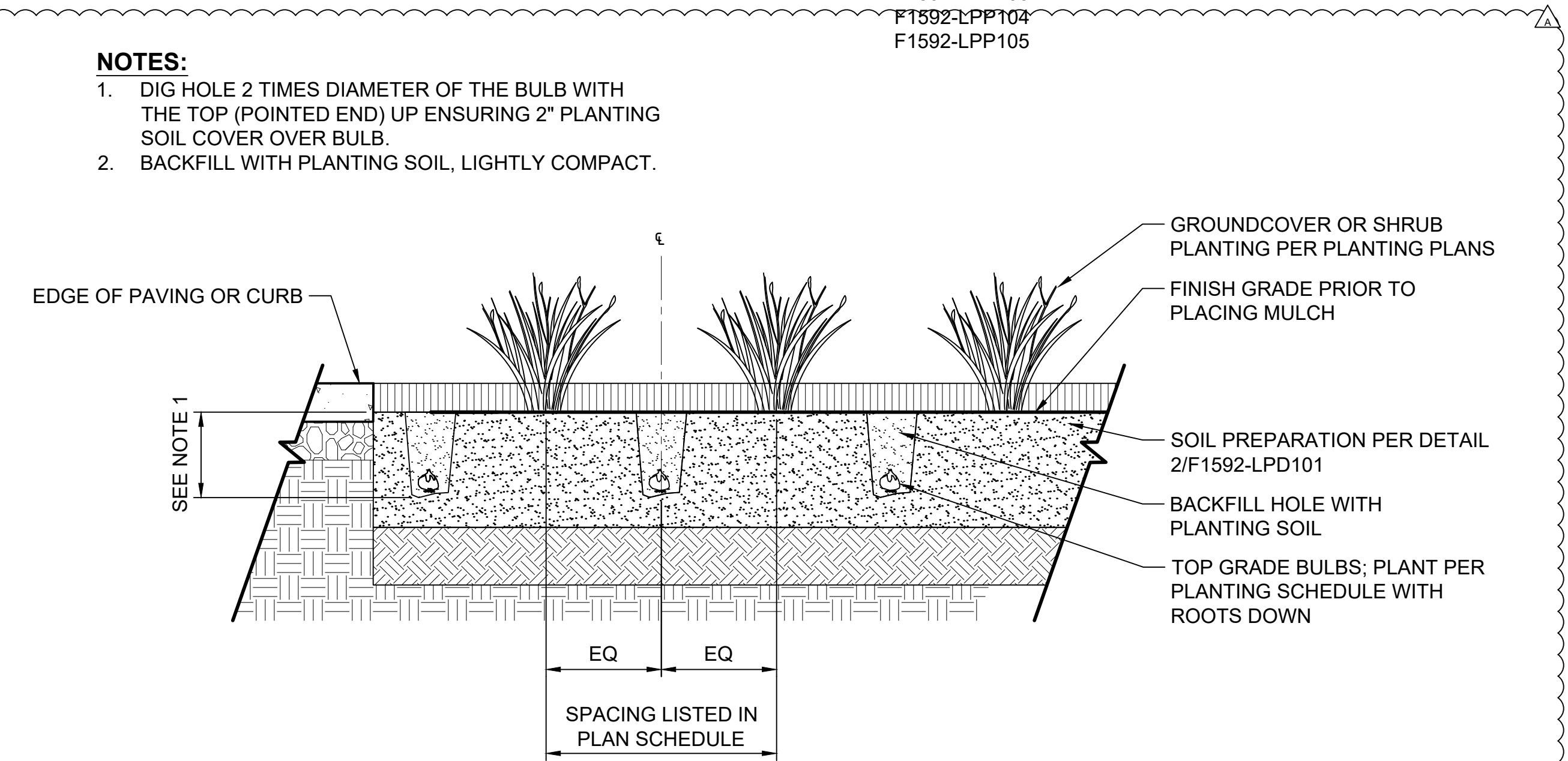
SCALE: NTS

**2**

F1592-LHD103  
 F1592-LHD104  
 F1592-LPP102  
 F1592-LPP103  
 F1592-LPP104  
 F1592-LPP105

**NOTES:**

1. DIG HOLE 2 TIMES DIAMETER OF THE BULB WITH THE TOP (POINTED END) UP ENSURING 2" PLANTING SOIL COVER OVER BULB.
2. BACKFILL WITH PLANTING SOIL, LIGHTLY COMPACT.

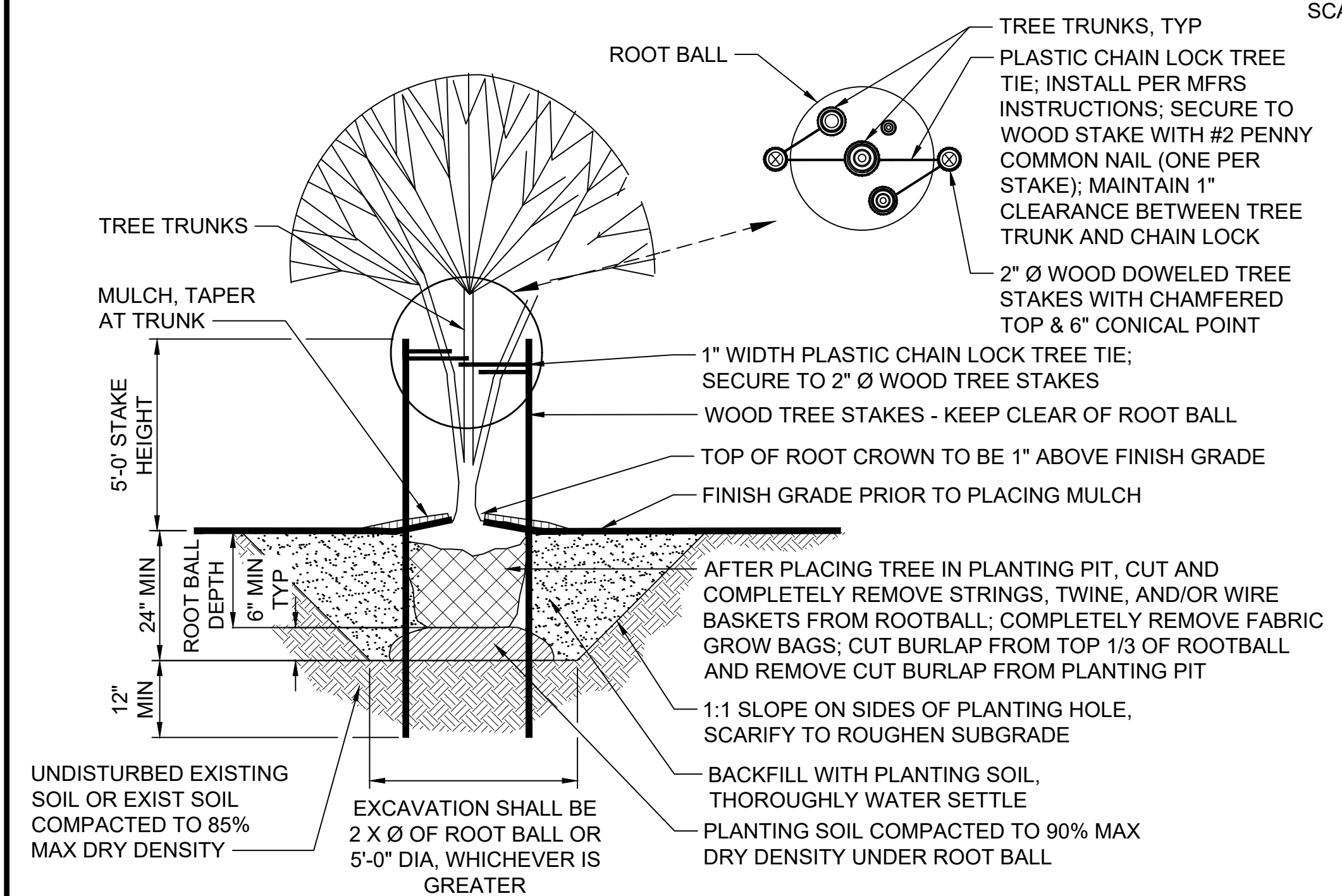


**BULB PLANTING**

SCALE: NTS

**5**

F1592-LPP102  
 F1592-LPP103  
 F1592-LPP104  
 F1592-LPP105



**NOTES:**

1. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE. WHEN TREE IS ADJACENT TO SIDEWALK PLACE TREE STAKES PARALLEL TO SIDEWALK.

**MULTI-TRUNK DECIDUOUS TREE PLANTING**

SCALE: NTS

**4**

F1592-LPP103  
 F1592-LPP104

01/08/21 | 8:20 PM | PMAGINNITY  
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CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

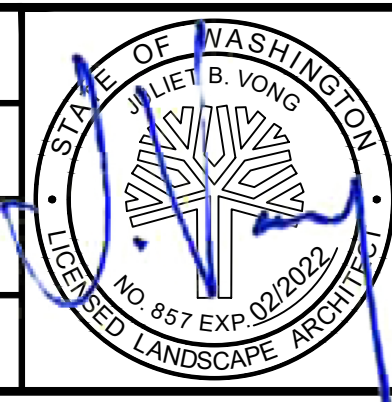
Staff:  
 Date: **02.17.21**

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG



**HBB**  
 LANDSCAPE ARCHITECTURE

SUBMITTED BY:  
SARA ROBERTS

**LP HENSEL PHELPS**  
 Plan. Build. Manage.

**kpff**

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021

PACKAGE # DP-2  
 S  
**SOUNDTRANSIT**

SCALE:  
NTS  
 FILENAME:  
S317-F1592-LPD102  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING**  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE PLANTING DETAILS

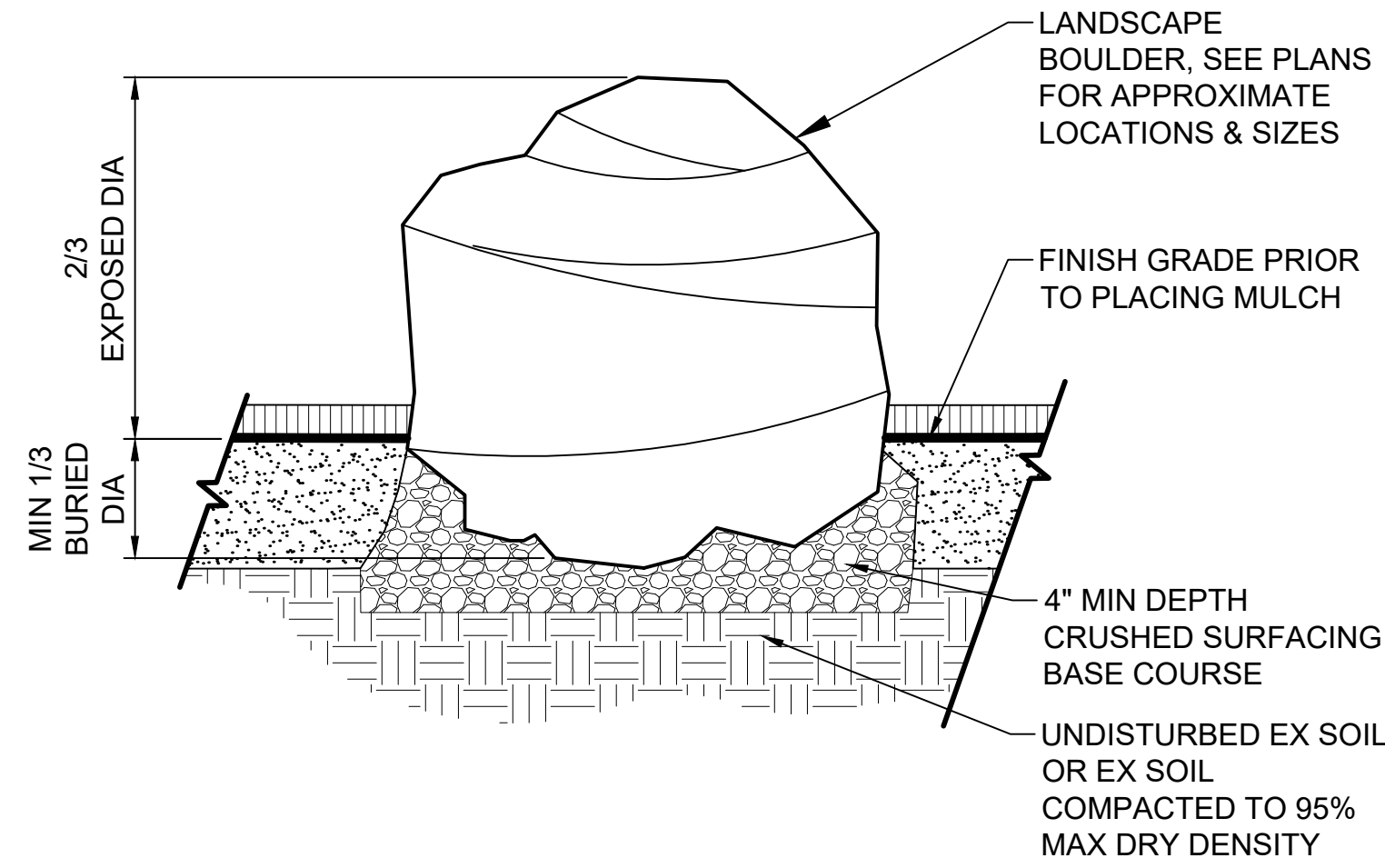
DRAWING No.:	<b>F1592-LPD102</b>
FACILITY ID:	F1592
SHEET No.:	REV:
	<b>67/81</b>



Xrefs:  
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 xGB-TB-Views\_20-Scal  
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**NOTES:**

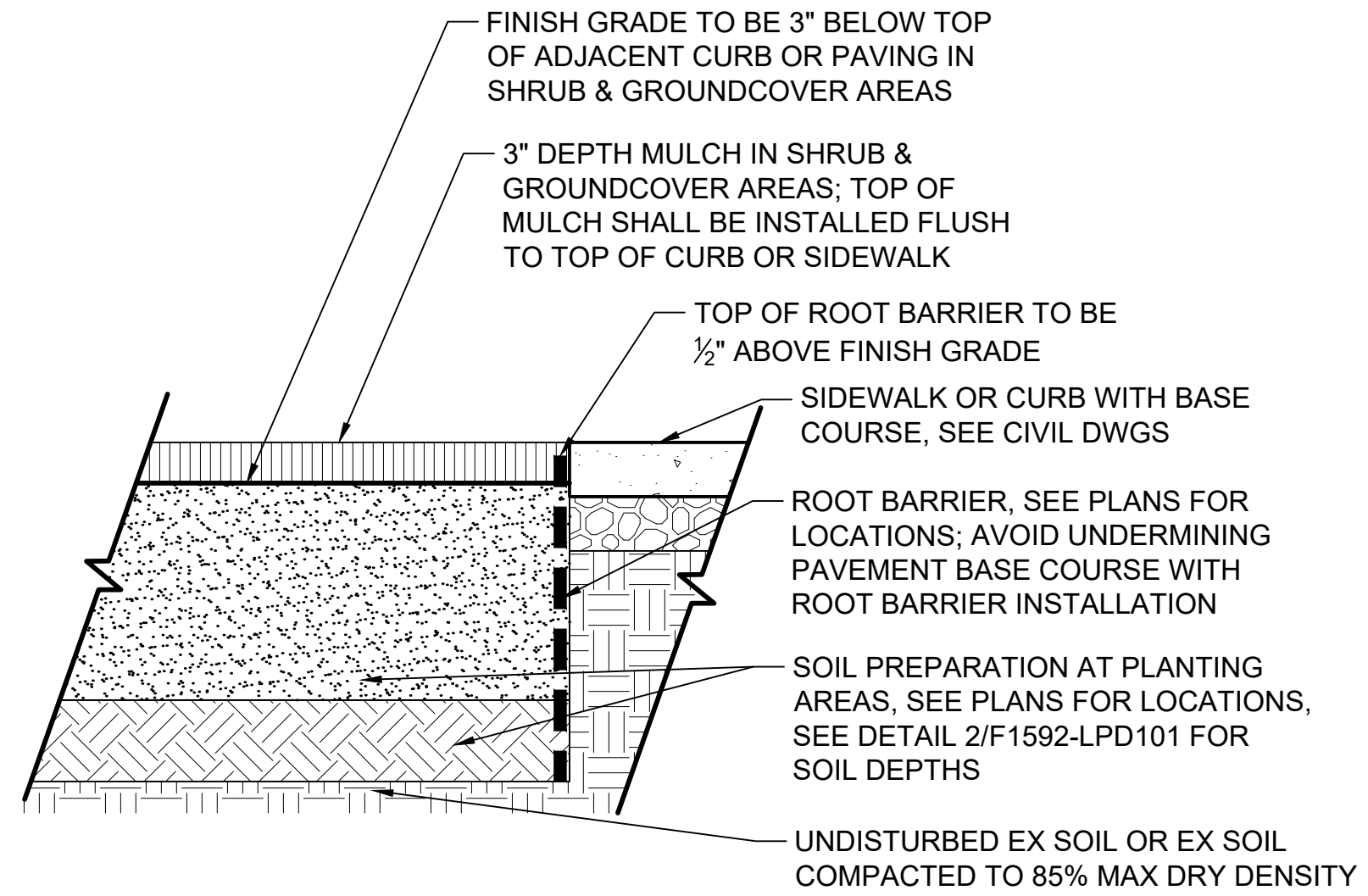
1. LOCATE LANDSCAPE BOULDERS PER RESIDENT ENG FIELD DIRECTIVE.
2. RESIDENT ENG TO REVIEW CRUSHED SURFACING BASE COURSE PRIOR TO BOULDER PLACEMENT.



**LANDSCAPE BOULDER**

SCALE: NTS

**1**  
 F1592-LPP103  
 F1592-LPP104

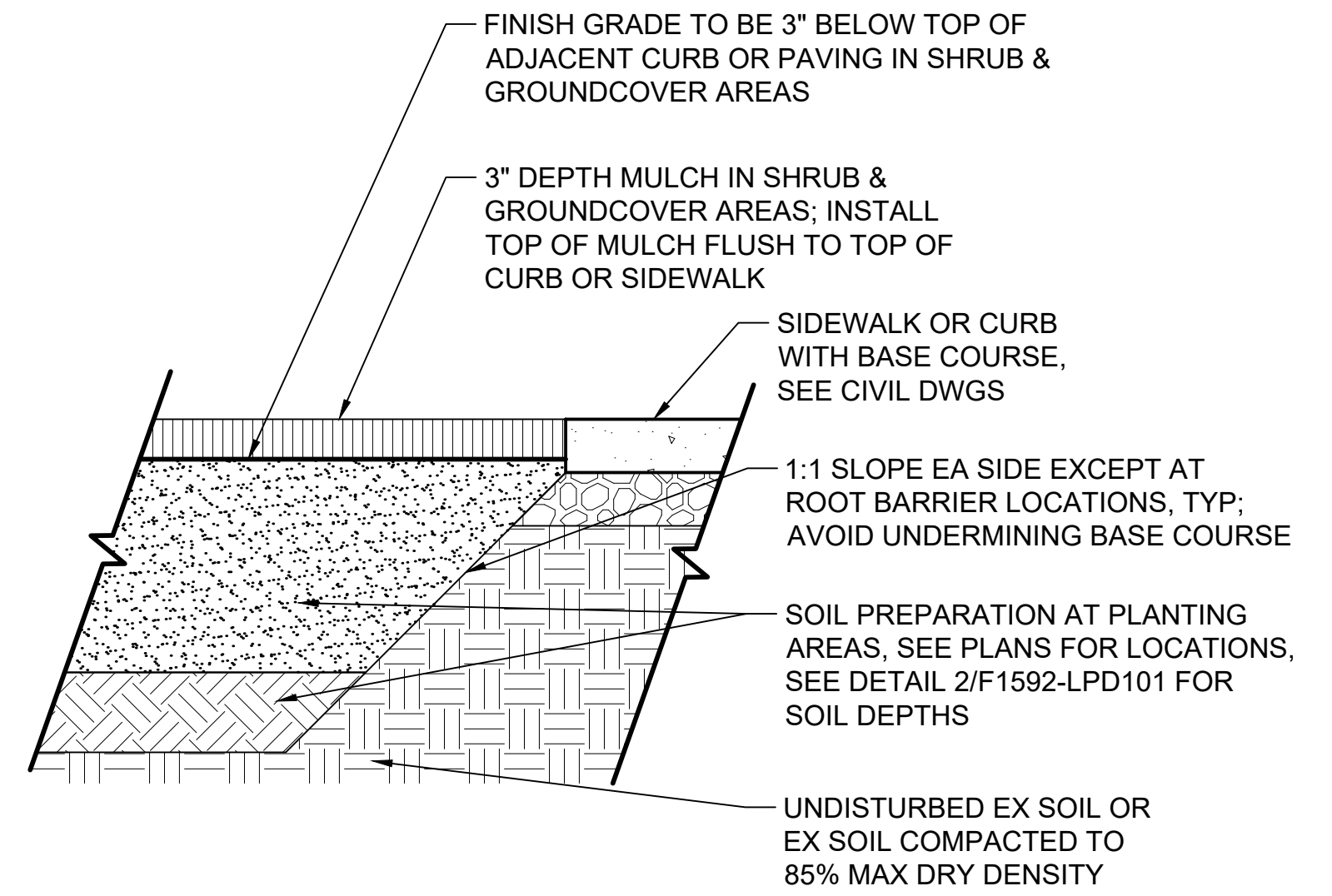


**NOTES:**

1. VERTICAL RIBS OF ROOT BARRIER SHALL FACE THE ROOTBALL OF THE TREE.
2. ROOT BARRIER TO BE 18" DEPTH AT PARKING LOT ISLANDS & ADJACENT TO SOIL CELLS AND 24" DEPTH AT ALL OTHER PAVING EDGES PER CITY OF PUYALLUP STANDARD DETAIL 01.02.03.

**SOIL PREP AT PLANTING EDGE**

SCALE: NTS



**2**  
 F1592-LPP102  
 F1592-LPP103  
 F1592-LPP104  
 F1592-LPP105

01/08/21 | 8:20 PM | PMAGINNITY P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS IMP\GRAPHICS\AUTOCAD\317-F1592-LPD103.DWG

CITY OF PUYALLUP  
 Planning Division  
 Approved Landscape Plan  
 (253) 864-4165

Staff:  
 Date: **02.17.21**

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
 R. DOTSON  
 DRAWN BY:  
 P. MAGINNITY  
 CHECKED BY:  
 J. VONG  
 APPROVED BY:  
 J. VONG



LINE IS 1" AT FULL SCALE



SCALE:  
 NTS  
 FILENAME:  
 S317-F1592-LPD103  
 CONTRACT No.:  
 RTA/CN 0612-18  
 SUBMITTAL DATE:  
 01/08/2021

<b>PACKAGE #</b>	<b>DP-2</b>	<b>SITWORK AND UTILITIES</b>
<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS LANDSCAPE PLANTING DETAILS</b>		
DRAWING No.:		<b>F1592-LPD103</b>
FACILITY ID:		F1592
SHEET No.:		REV: <b>68/81</b>

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
 SARA ROBERTS

DATE:  
 01/08/2021

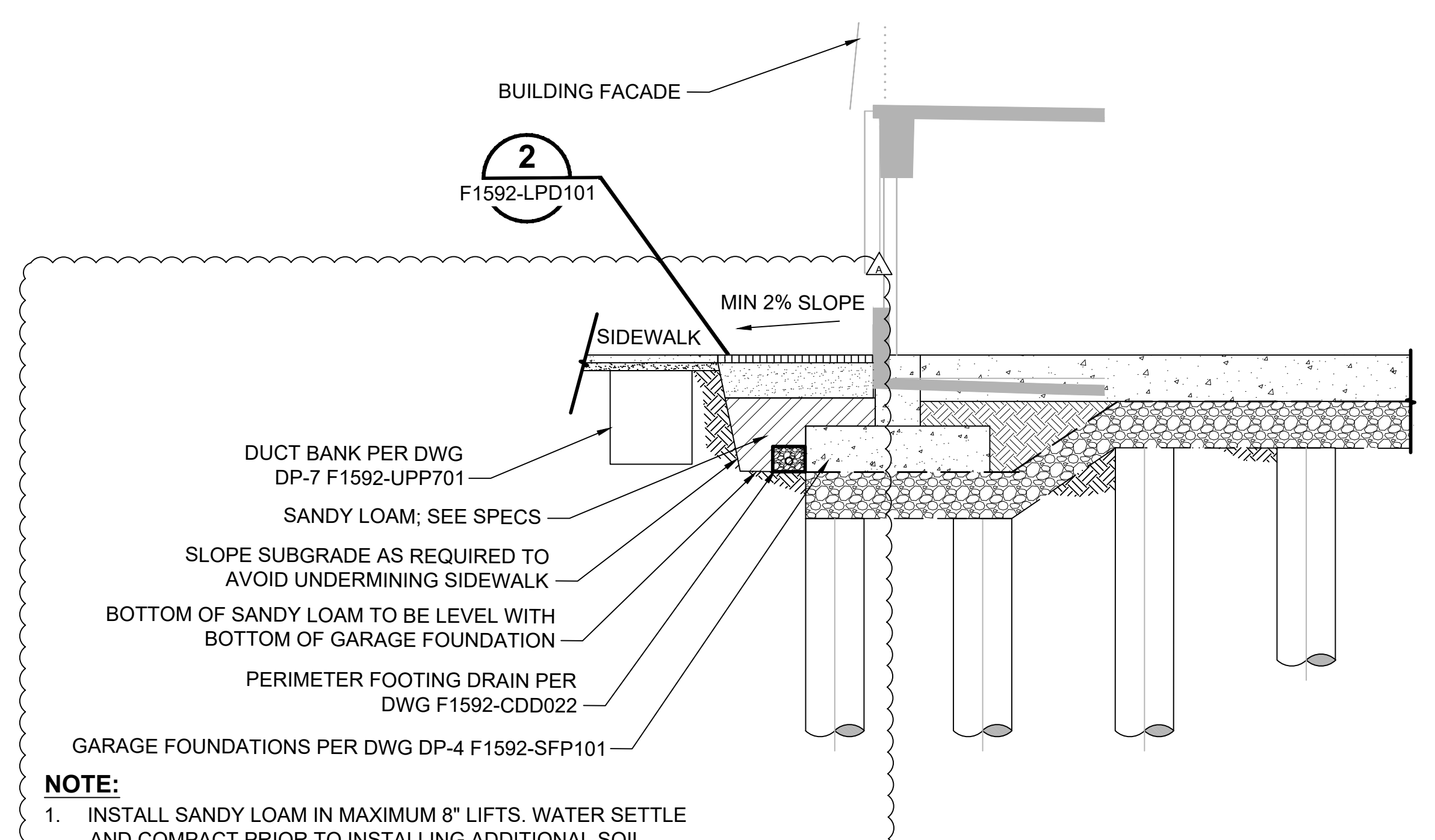
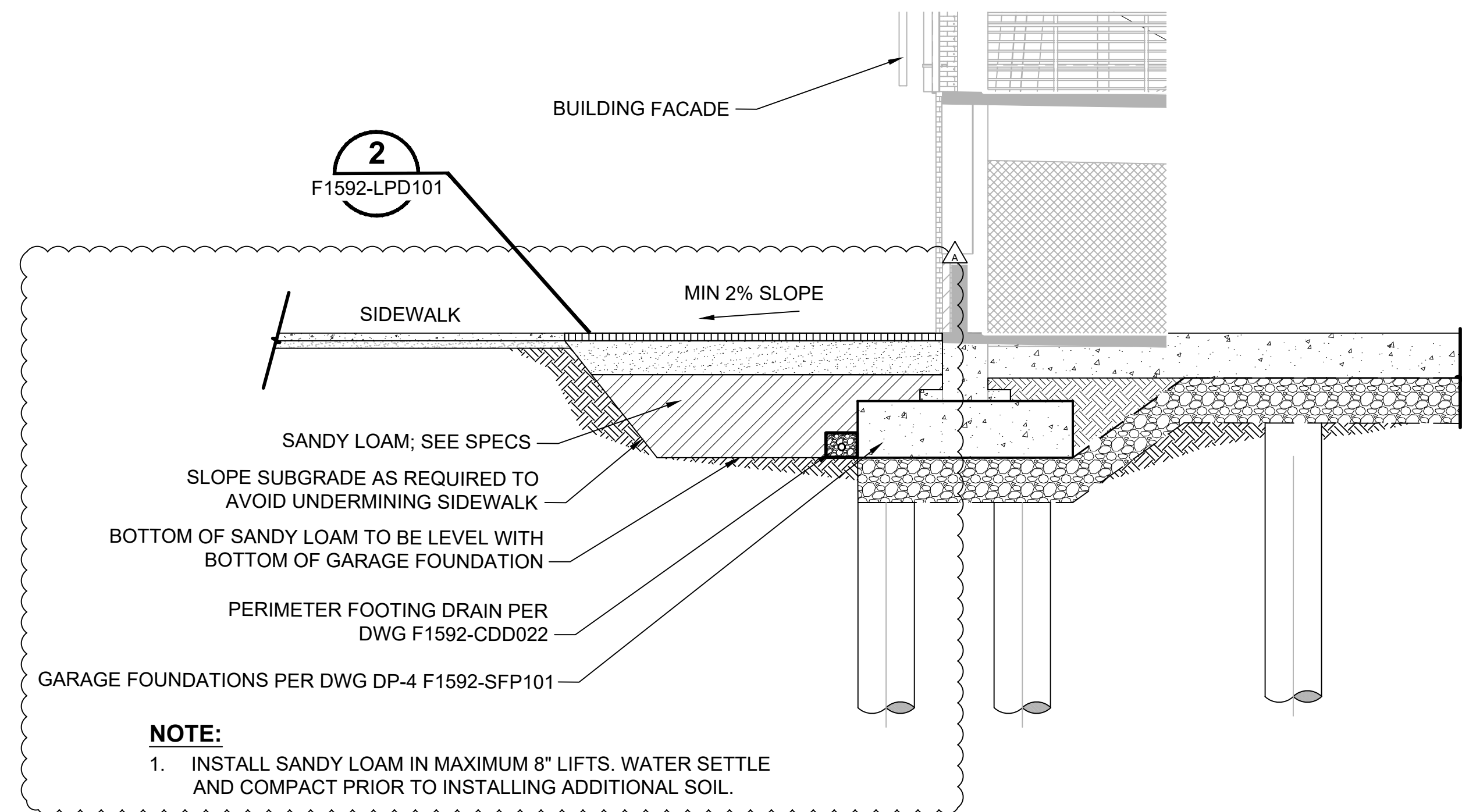
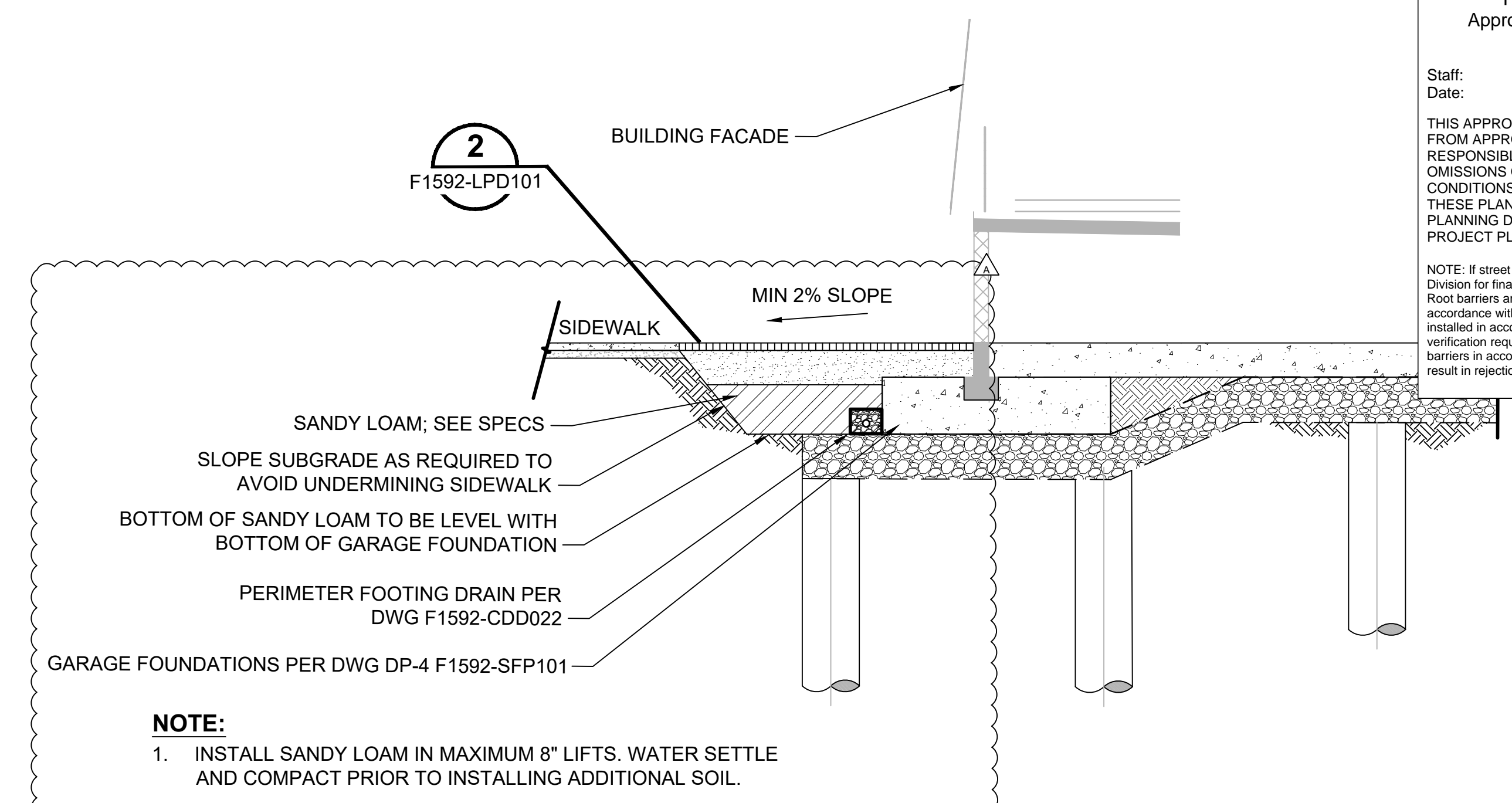
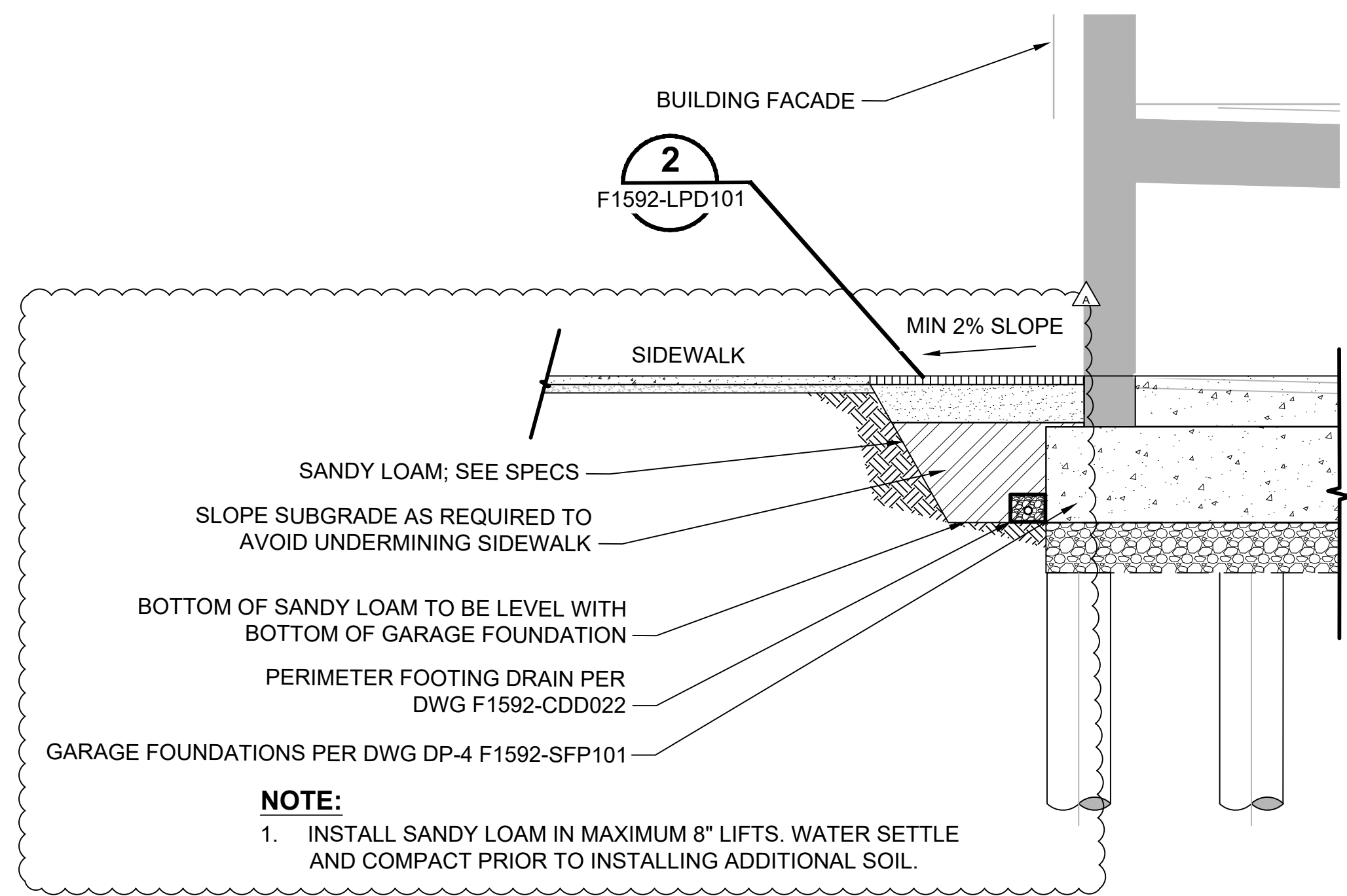
REVIEWED BY:  
 GREG SHIMIZU

DATE:  
 01/08/2021



Staff:  
 Date:  
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**WEST SECTION**  
 SCALE: 1"=5'-0"

**NORTH SECTION**  
 SCALE: 1"=5'-0"

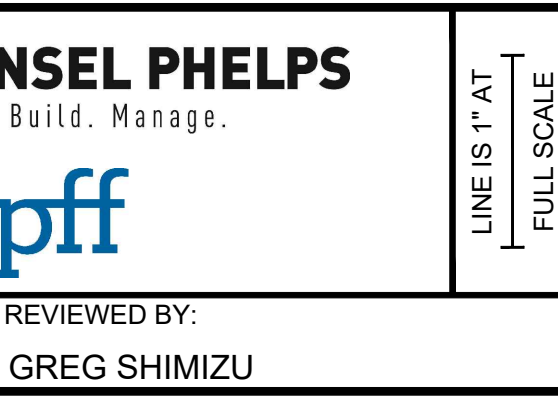
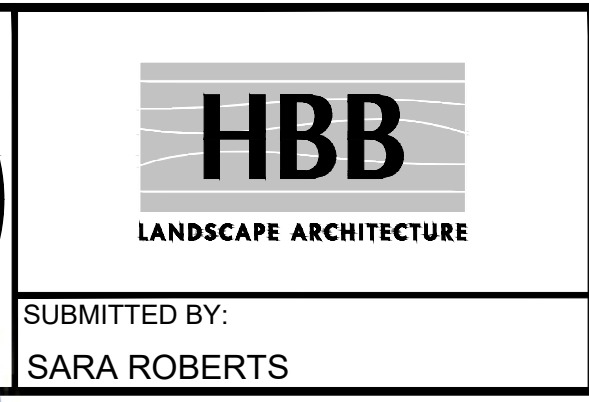
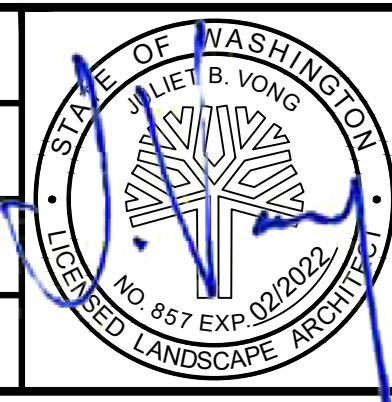
**SOUTH SECTION**  
 SCALE: 1"=5'-0"

**EAST SECTION**  
 SCALE: 1"=5'-0"

01/08/21 | 8:20 PM | PMAGINNITY  
 P:\2020 PROJECTS\2020-18 PUYALLUP STATION PARKING AND ACCESS\IMPGRAPHICS\AUTOCAD\317-F1592-LPX101.DWG

CIVIL PERMIT RESUBMITTAL					
No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



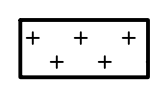
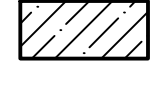
PACKAGE #	DP-2	SITework AND UTILITIES
SCALE:	1"=5'-0"	
FILENAME:	S317-F1592-LPX101	
CONTRACT No.:	RTA/CN 0612-18	
DATE:	01/08/2021	
SUBMITTAL DATE:	01/08/2021	

**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE PLANTING SECTIONS

DRAWING No.:	F1592-LPX101
FACILITY ID:	F1592
SHEET No.:	69/81



**IRRIGATION LEGEND**

-  NEW AUTOMATIC IRRIGATION SYSTEM TO MEET, MATCH, AND CONTINUE EXISTING ADJACENT IRRIGATION SYSTEM; CONTRACTOR SHALL DESIGN NEW IRRIGATION SYSTEM AND SUBMIT SHOP DRAWING FOR RESIDENT ENG REVIEW & APPROVAL PRIOR TO BEGINNING CONST. SEE SPECS
-  NEW PLANTING AREA TO RECEIVE HAND WATERING THROUGH ESTABLISHMENT PERIOD

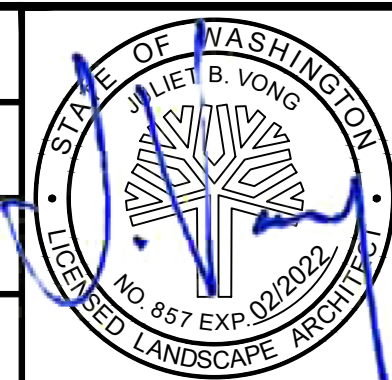




**IRRIGATION ABBREVIATIONS**

#/NO	NUMBER	IRR	IRRIGATION
%	PERCENT	MAX	MAXIMUM
&	AND	MFRS	MANUFACTURERS
ABBV	ABBREVIATIONS	MIN	MINIMUM
BKF	BACKFILL	OC	ON CENTER
CF	CUBIC FEET	POC	POINT OF CONNECTION
CLR	CLEAR	PVC	POLYVINYL CHLORIDE
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DWG(S)	DRAWING(S)	SCH	SCHEDULE
ENG	ENGINEER	STA	STATION
EX	EXISTING	SPEC(S)	SPECIFICATION(S)
GPM	GALLONS PER MINUTE	TYP	TYPICAL

**IRRIGATION NOTES**

1. LOCATE IRRIGATION POINT OF CONNECTION, QUICK COUPLING VALVE & AUTOMATIC CONTROL VALVES IN SHRUB/ GROUND COVER AREAS AT POINT OF EASY ACCESS. ENG TO REVIEW & APPROVE FINAL LOCATION OF ALL VALVES PRIOR TO INSTALLATION.
2. EX STATIC PSI AT IRRIGATION METER IS 50 PSI. PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, CONTRACTOR SHALL FIELD VERIFY EX PSI NOTIFY RESIDENT ENG OF ANY DISCREPANCIES BETWEEN THE DESIGN PSI & EX PSI PRIOR TO PROCEEDING WITH WORK.
3. DRAWING IS SCHEMATIC. ACTUAL LOCATIONS MAY VARY DUE TO PLANT MATERIALS, UTILITIES OR EX CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. OPEN DRIP FLUSH VALVES AND AIR BLOW IRRIGATION SYSTEM THROUGH QUICK COUPLERS TO WINTERIZE IRRIGATION SYSTEM.

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<b>CIVIL PERMIT RESUBMITTAL</b>						DESIGNED BY: R. DOTSON DRAWN BY: P. MAGINNITY CHECKED BY: J. VONG APPROVED BY: J. VONG				 	SUBMITTED BY: SARA ROBERTS DATE: 01/08/2021	REVIEWED BY: GREG SHIMIZU DATE: 01/08/2021	PACKAGE #    DP-2    SITEWORK AND UTILITIES 	SCALE: NTS FILENAME: S317-F1592-LRN100 CONTRACT No.: RTA/CN 0612-18 SUBMITTAL DATE: 01/08/2021	DRAWING No.: <b>F1592-LRN100</b> FACILITY ID: F1592 SHEET No.:    REV: <b>70/81</b>
No.	DATE	DSN	CHK	APP	REVISION										
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504										

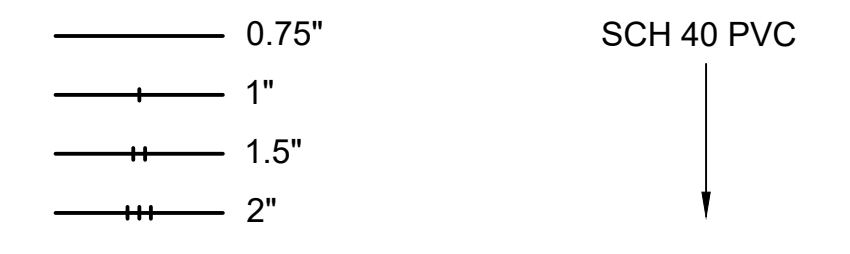
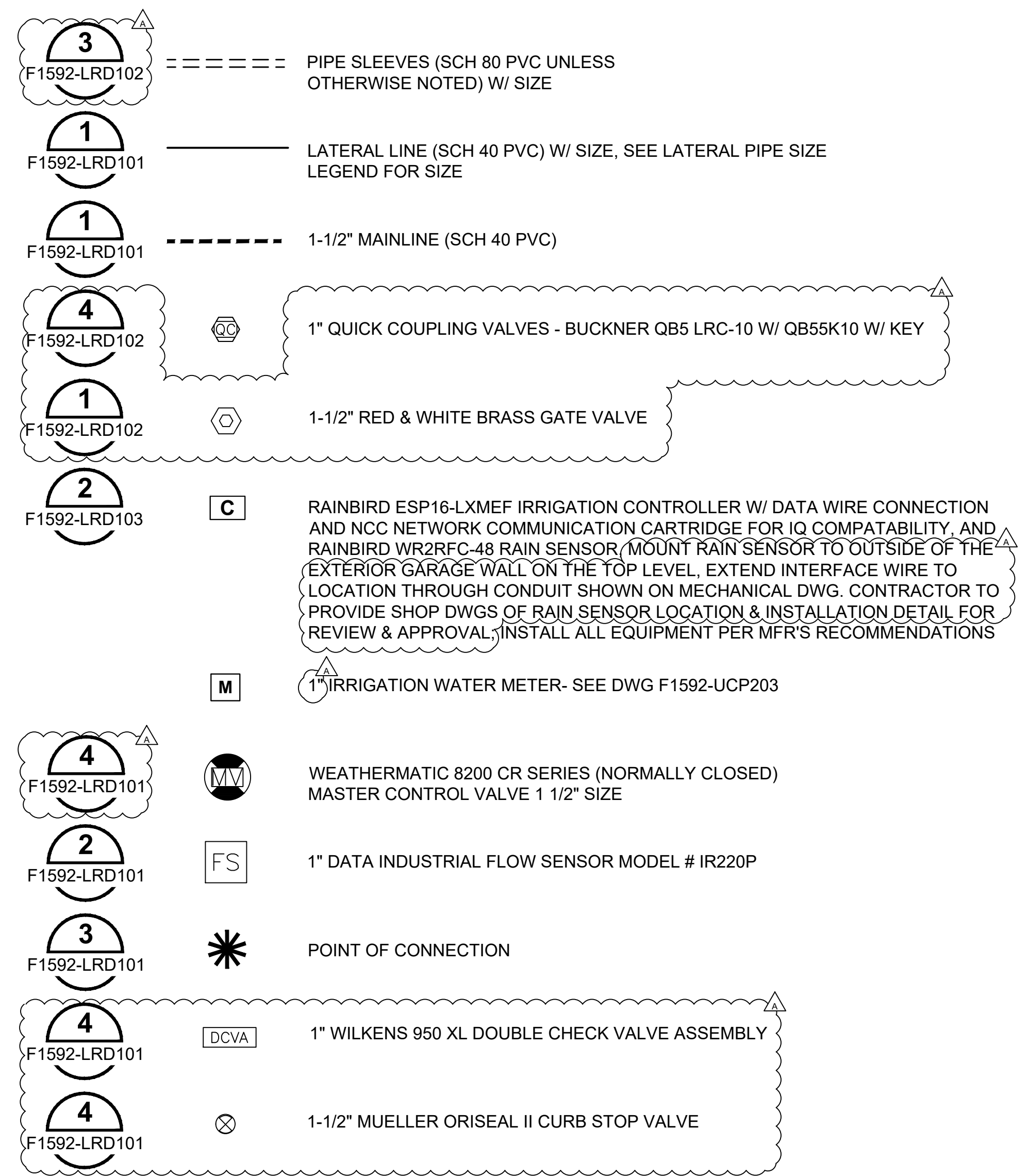
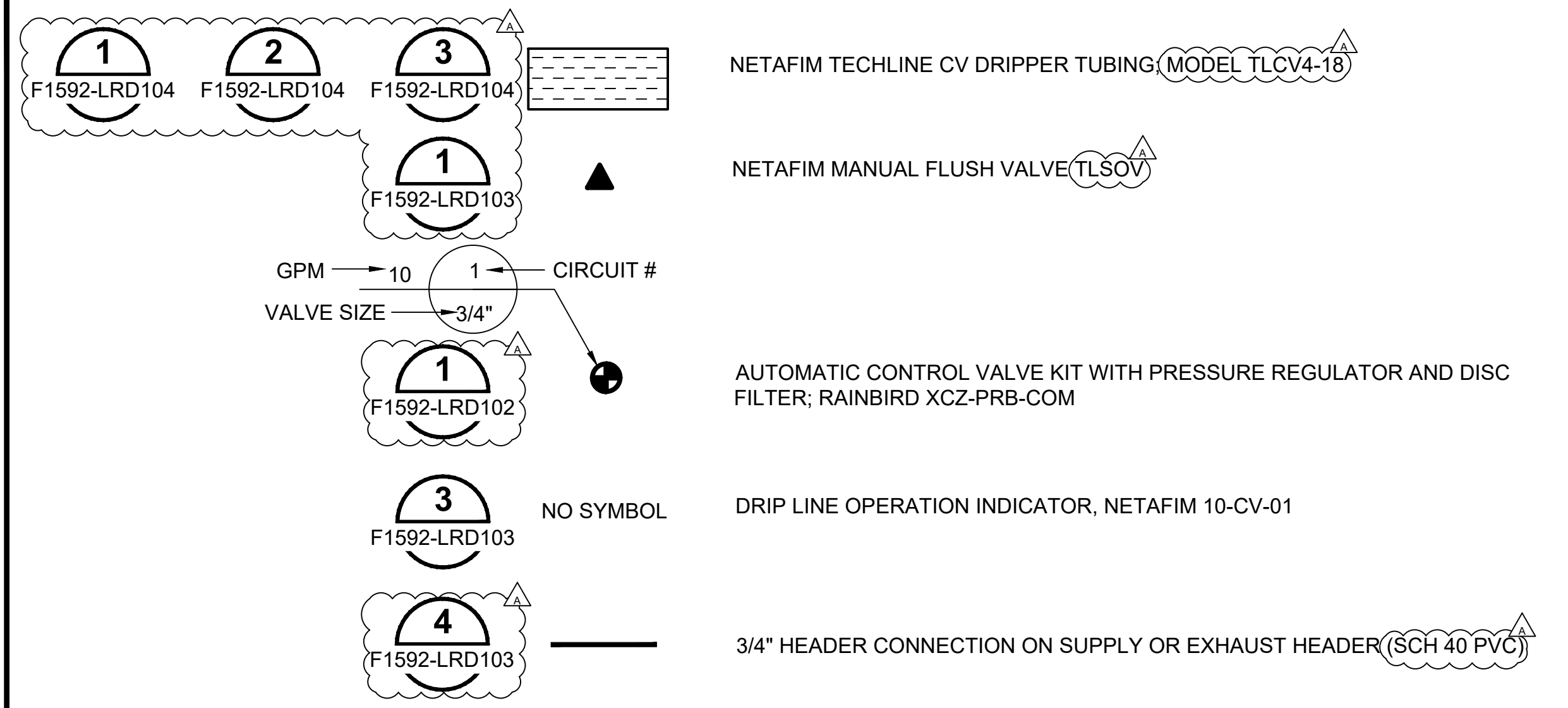
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**DRIP IRRIGATION SCHEDULE**

**EQUIPMENT LEGEND**

**LATERAL PIPE SIZE LEGEND**



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<b>CIVIL PERMIT RESUBMITTAL</b>					DESIGNED BY: R. DOTSON					SCALE: NTS	<b>PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS LANDSCAPE IRRIGATION SCHEDULE	DRAWING No.: <b>F1592-LRS100</b>
					DRAWN BY: P. MAGINNITY					CHECKED BY: J. VONG		APPROVED BY: J. VONG
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504		SUBMITTED BY: SARA ROBERTS	DATE: 01/08/2021	REVIEWED BY: GREG SHIMIZU	DATE: 01/08/2021	SUBMITTAL DATE: 01/08/2021	REV: <b>71/81</b>
No.	DATE	DSN	CHK	APP	REVISION							

PACKAGE # DP-2 SITEWORK AND UTILITIES

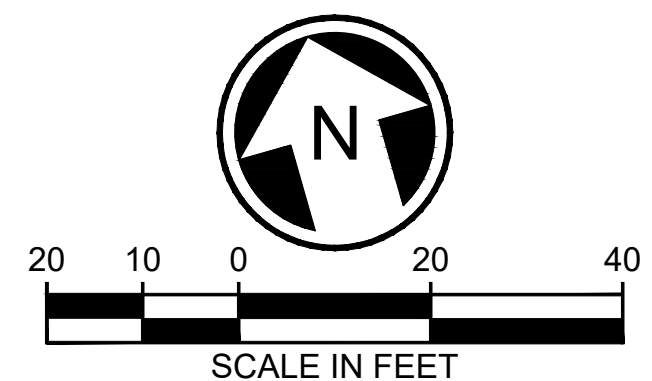
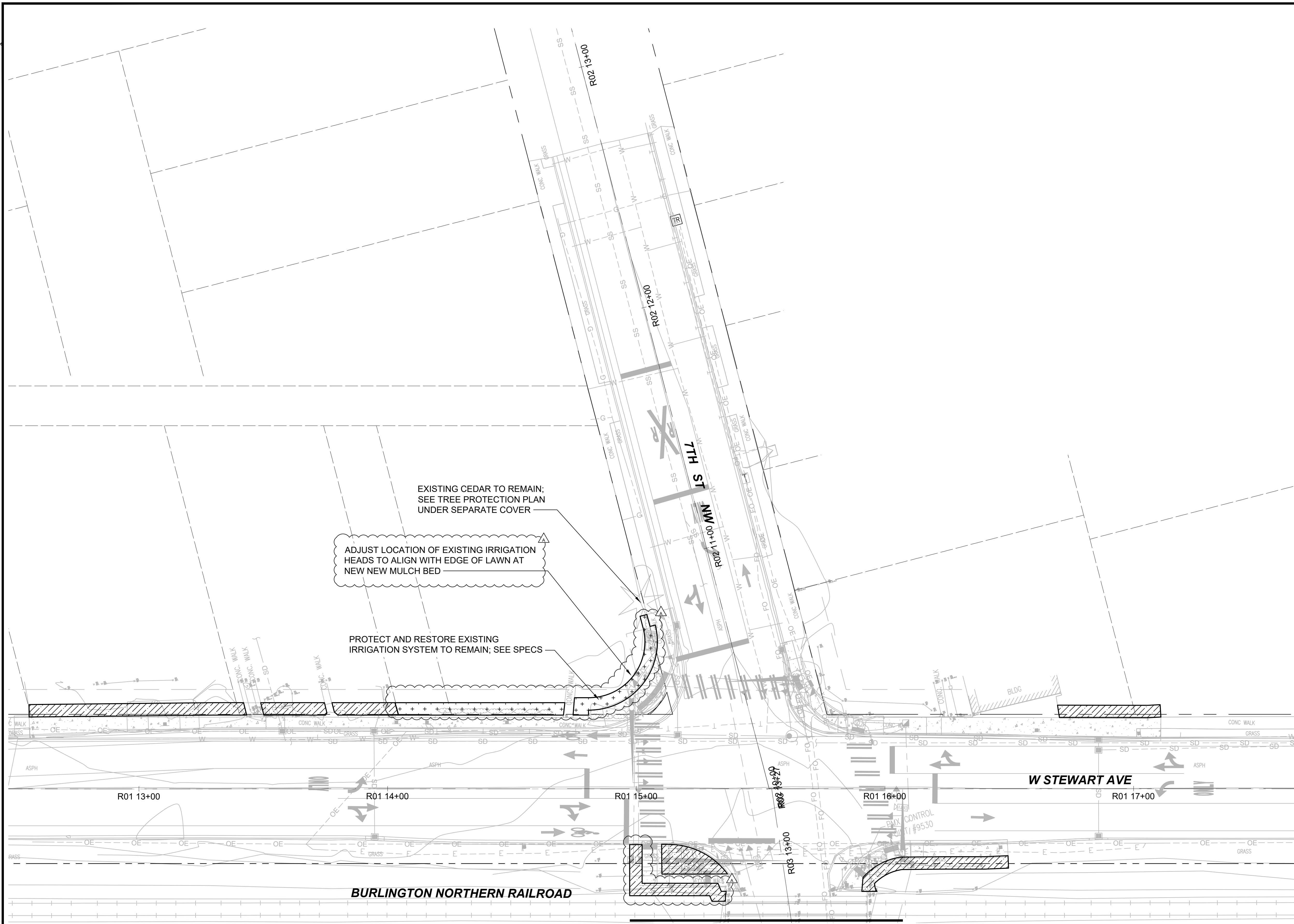


Xrefs:  
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 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-VRX100  
 xS317-F1592-CMP100  
 xS317-F1592-TSP100  
 xS317-F1592-CAP100

**GENERAL NOTES:**

- SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
- SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

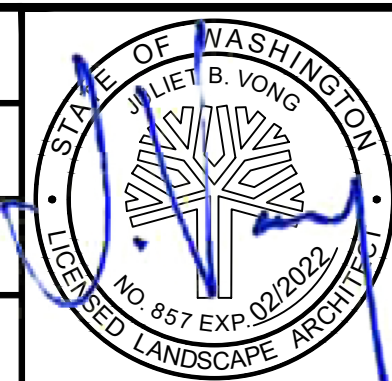
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MATCHLINE: STA 12+72 SEE DWG F1592-LRP102

**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

PACKAGE # DP-2  
**SOUNDTRANSIT**  
 SCALE: 1" = 20'  
 FILENAME: S317-F1592-LRP101  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/08/2021

**SITWORK AND UTILITIES**  
**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE IRRIGATION PLAN

DRAWING No.: **F1592-LRP101**  
 FACILITY ID: F1592  
 SHEET No.: REV: **72/81**

No.	DATE	DSN	CHK	APP	REVISION
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SUBMITTED BY: SARA ROBERTS  
 DATE: 01/08/2021

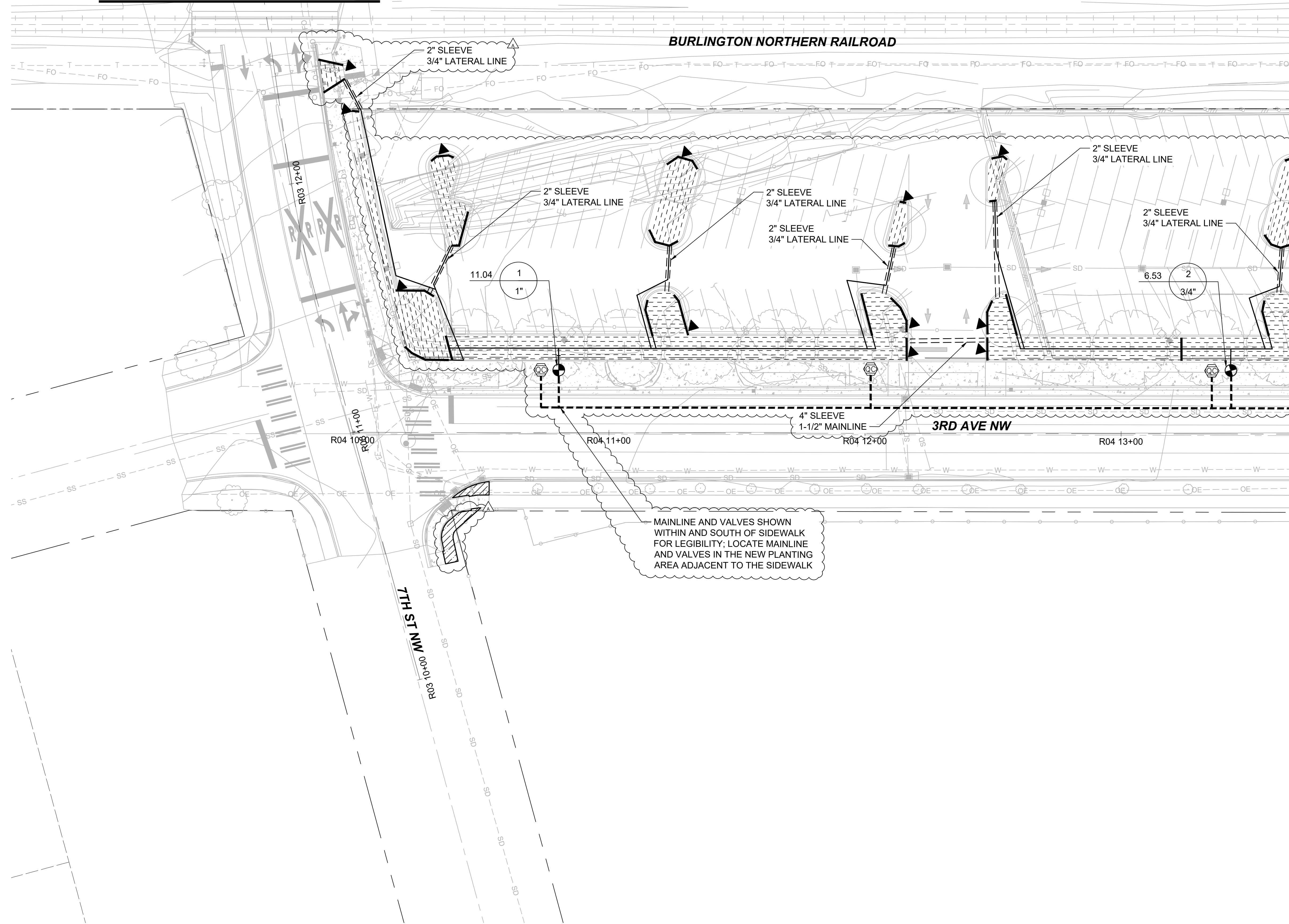
REVIEWED BY: GREG SHIMIZU  
 DATE: 01/08/2021

DATE: 01/08/2021  
 SUBMITTAL DATE: 01/08/2021



Xrefs:  
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 xS317-F1592-CSP100  
 xS317-F1592-LRP100  
 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-TSP100  
 xS317-F1592-ELP100  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100  
 xS317-F1592-CMP100

MATCHLINE: STA 12+72 SEE DWG F1592-LRP101

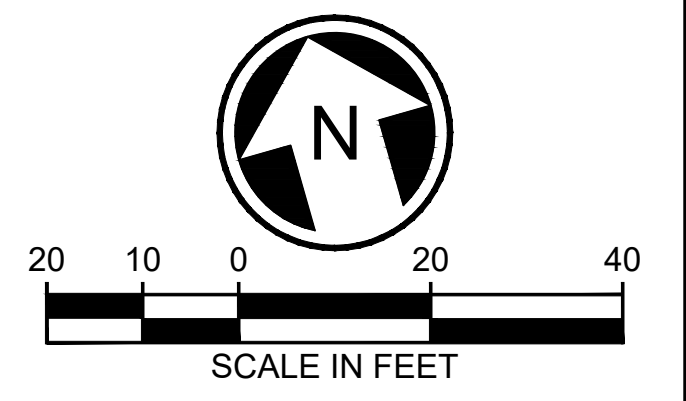


**GENERAL NOTES:**

- SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
- SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

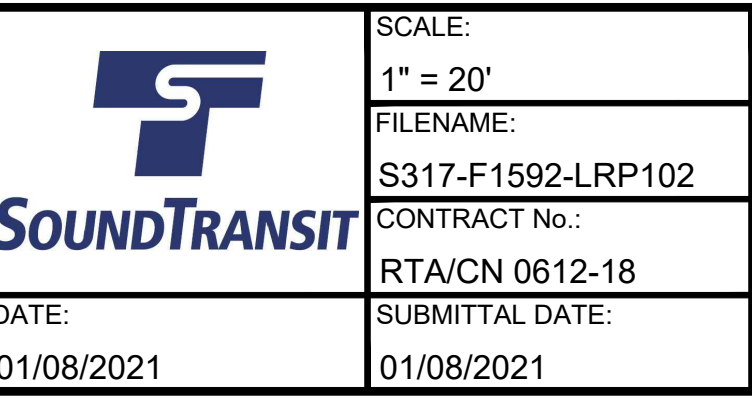
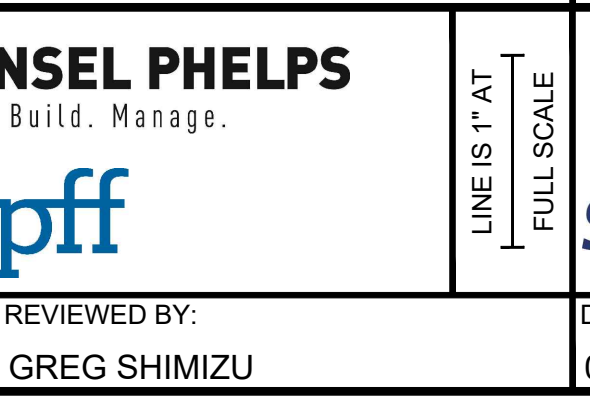
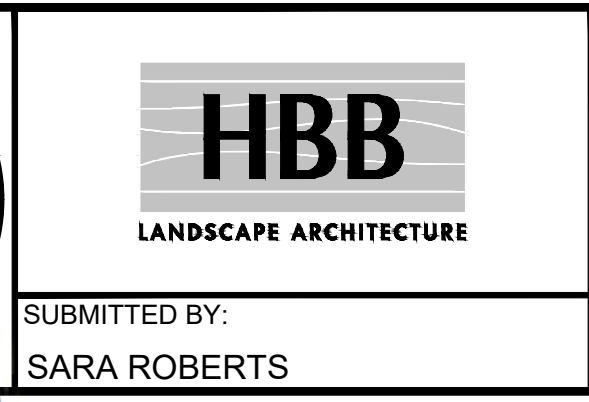
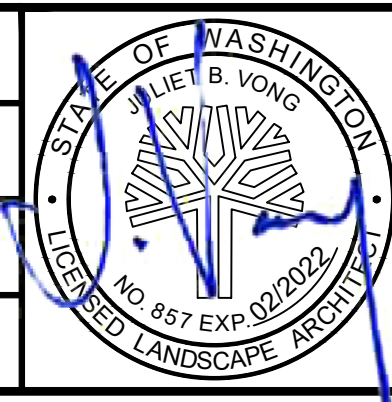
MATCHLINE: STA 08+47 SEE DWG F1592-LRP103

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



PACKAGE # DP-2 SITEWORK AND UTILITIES  
 SCALE: 1" = 20'  
 FILENAME: S317-F1592-LRP102  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 IRRIGATION PLAN**

DRAWING No.: **F1592-LRP102**  
 FACILITY ID: F1592  
 SHEET No.: REV: **73/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

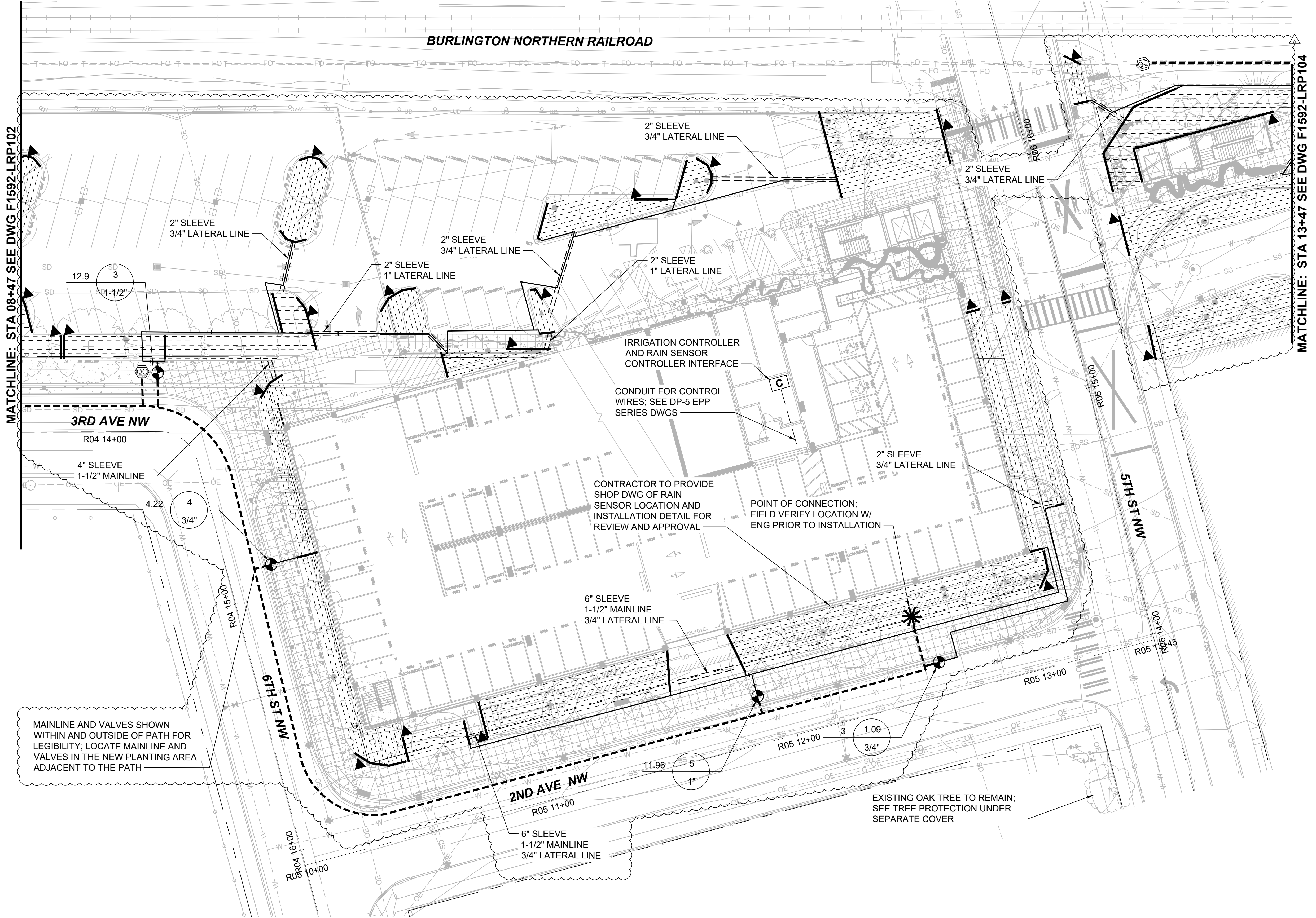
SUBMITTED BY: SARA ROBERTS  
 DATE: 01/08/2021

REVIEWED BY: GREG SHIMIZU  
 DATE: 01/08/2021

DATE: 01/08/2021  
 SUBMITTAL DATE: 01/08/2021



Xrefs:  
 xGB-TB22x34  
 xGB-TB-Views\_20-Scal  
 xS317-F1592-CSP100  
 xS317-F1592-LRP100  
 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-LWP100  
 xS317-F1592-UCP100  
 xS317-F1592-TSP100  
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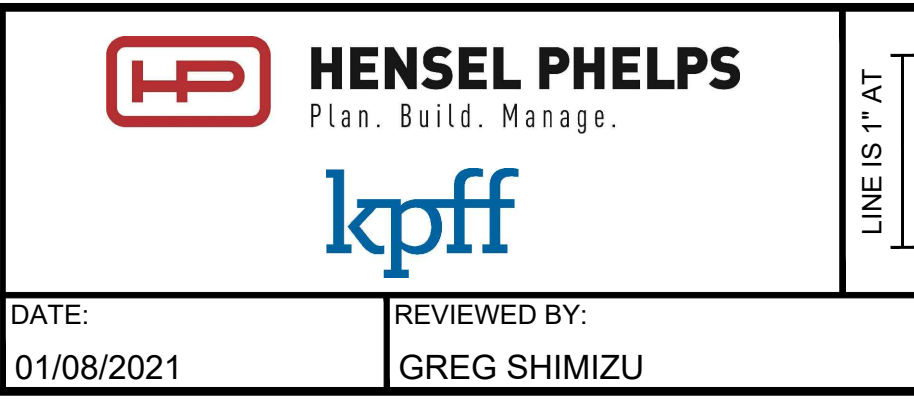
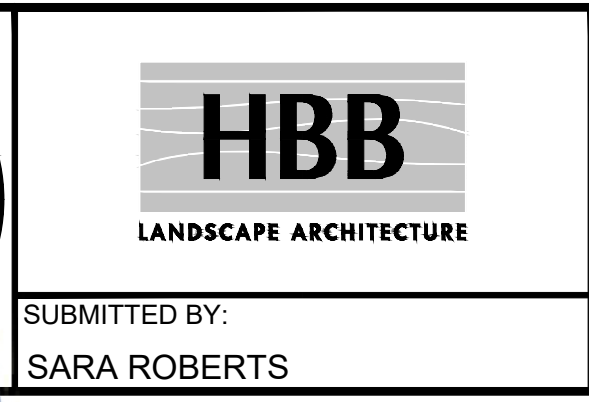
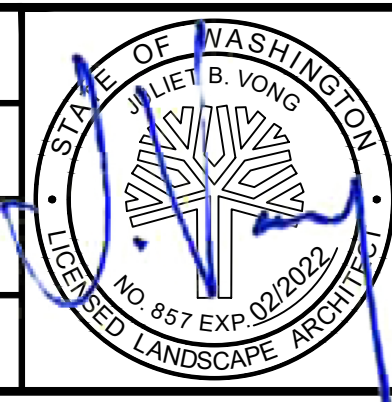


- GENERAL NOTES:**
- IRRIGATION CONTROLLER TO BE LOCATED IN MECHANICAL ROOM; REFER TO DP-5 F1592-EPD830 FOR EXACT LOCATION AND CONDUIT.
  - SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
  - SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



PACKAGE # DP-2  
 SITEWORK AND UTILITIES  
 SCALE: 1" = 20'  
 FILENAME: S317-F1592-LRP103  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 IRRIGATION PLAN**

DRAWING No.: **F1592-LRP103**  
 FACILITY ID: F1592  
 SHEET No.: REV: **74/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021

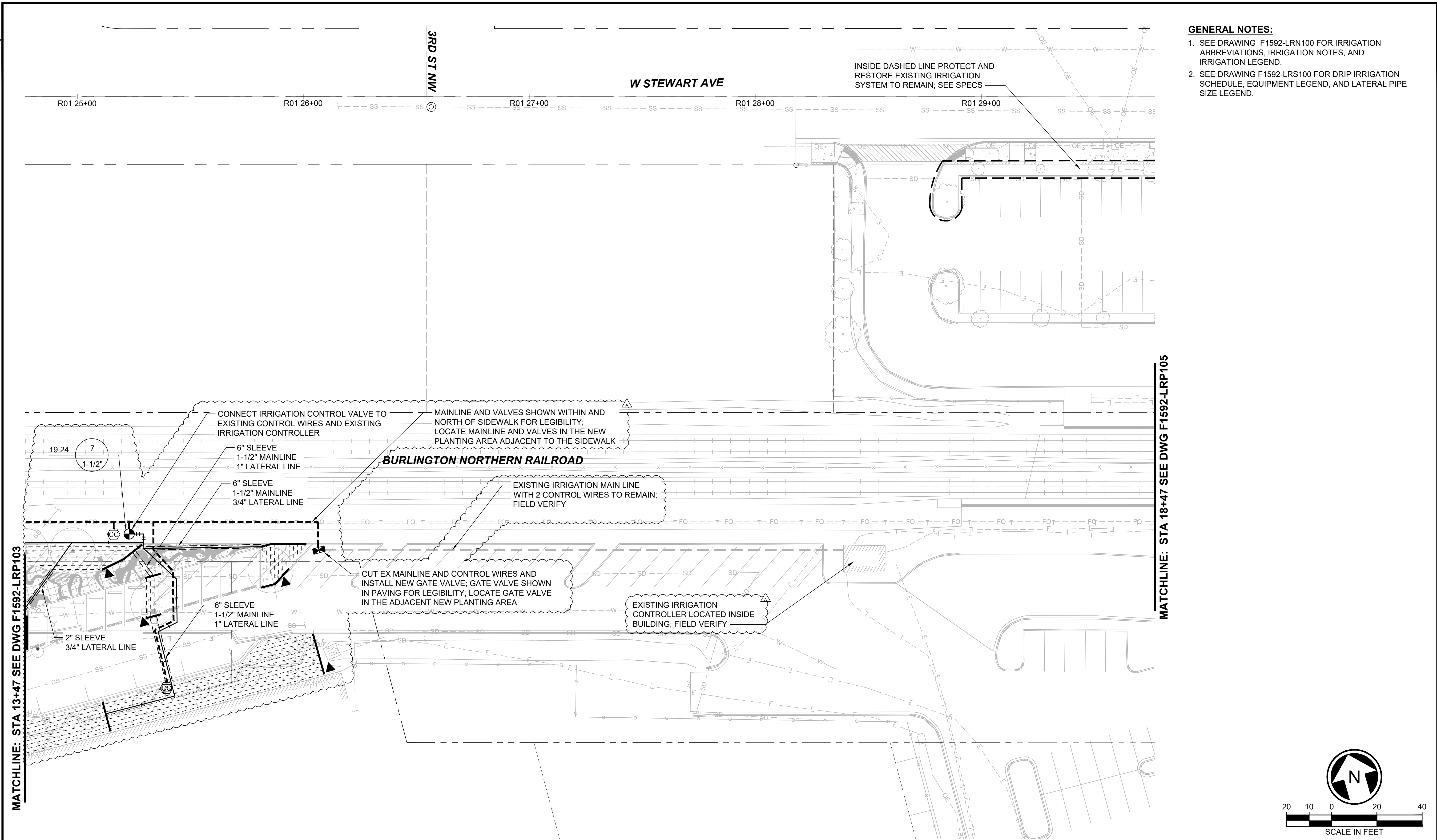
SUBMITTAL DATE:  
01/08/2021



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 xS317-F1592-CDP100  
 xS317-F1592-LHP100  
 xS317-F1592-LRP100  
 xS317-F1592-ELP100  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100

**GENERAL NOTES:**

- SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
- SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.



MATCHLINE: STA 13+47 SEE DWG F1592-LRP103

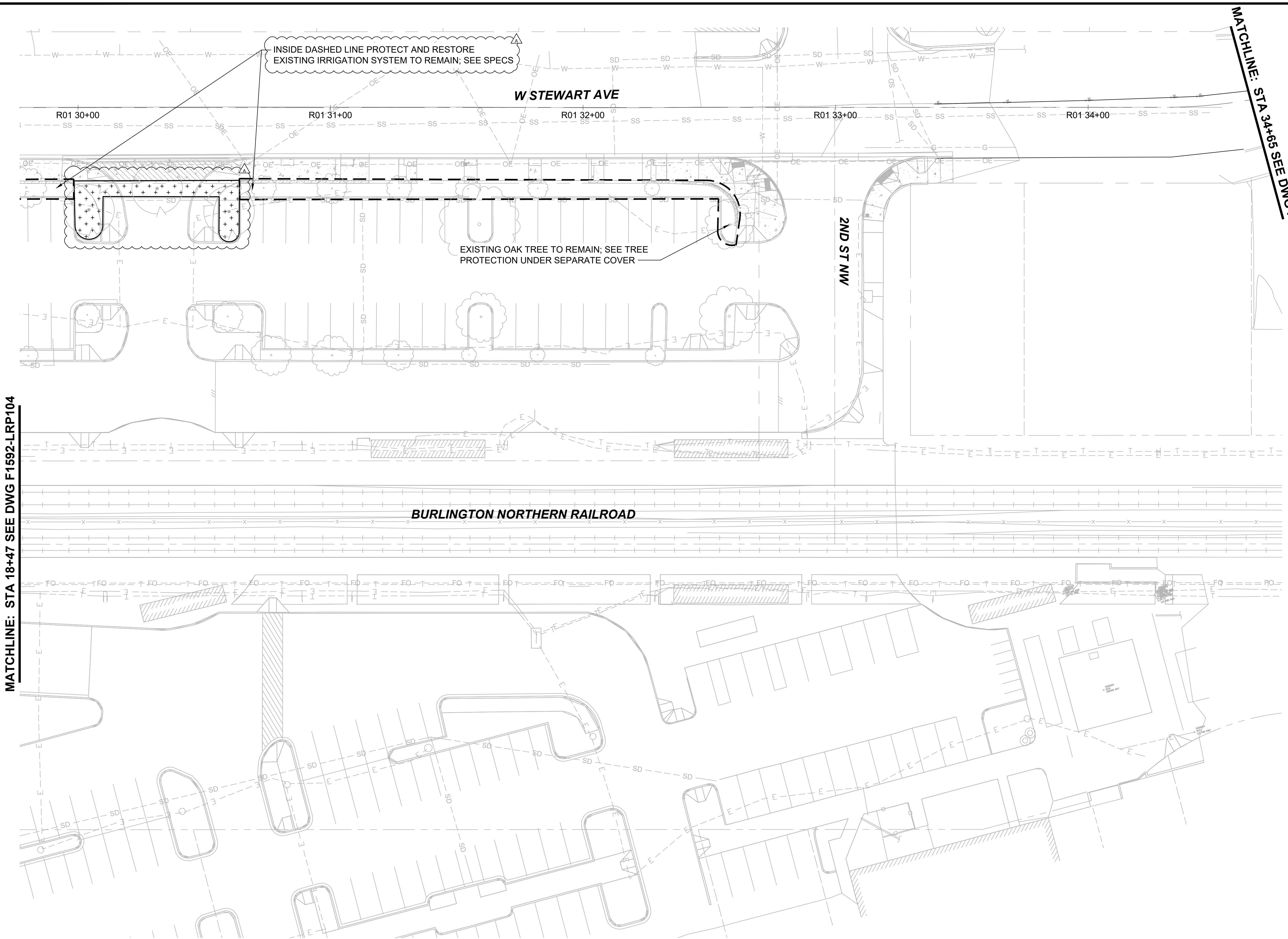
MATCHLINE: STA 18+47 SEE DWG F1592-LRP105

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<b>CIVIL PERMIT RESUBMITTAL</b>					DESIGNED BY: R. DOTSON					<b>PACKAGE # DP-2 SITework AND UTILITIES</b>		DRAWING No.: <b>F1592-LRP104</b>
					DRAWN BY: P. MAGINNITY					CHECKED BY: J. VONG	APPROVED BY: J. VONG	
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504						CONTRACT No.: RTA/CN 0612-18 SUBMITTAL DATE: 01/08/2021	SHEET No.: 75/81 REV:



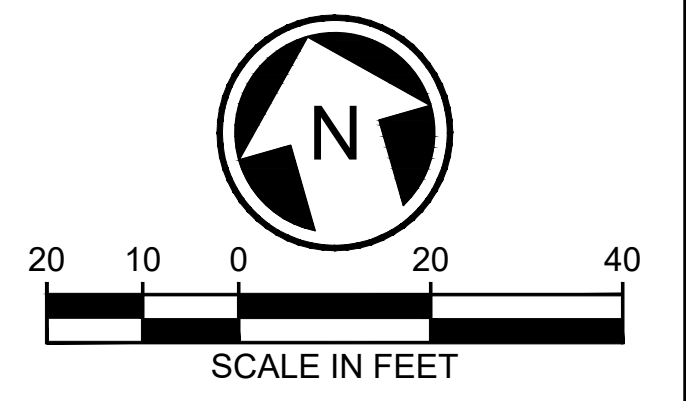
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 xS317-F1592-VR100  
 xS317-F1592-CAP100  
 xS317-F1592-CMP100



**MATCHLINE: STA 34+65 SEE DWG F1592-LRP106**

- GENERAL NOTES:**
- SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
  - SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

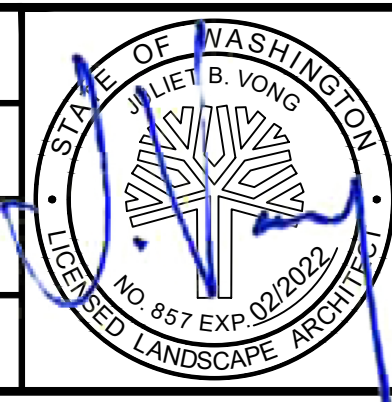
**MATCHLINE: STA 18+47 SEE DWG F1592-LRP104**



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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b>	<b>DP-2</b>	<b>SITWORK AND UTILITIES</b>
	SCALE: 1" = 20'	<b>PUYALLUP STATION PARKING          CONTRACT RTA/CN 0612-18</b> PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS LANDSCAPE IRRIGATION PLAN
	FILENAME: S317-F1592-LRP105	
	CONTRACT No.: RTA/CN 0612-18	
	SUBMITTAL DATE: 01/08/2021	

DRAWING No.: <b>F1592-LRP105</b> FACILITY ID: F1592 SHEET No.: REV: <b>76/81</b>
---

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS

DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

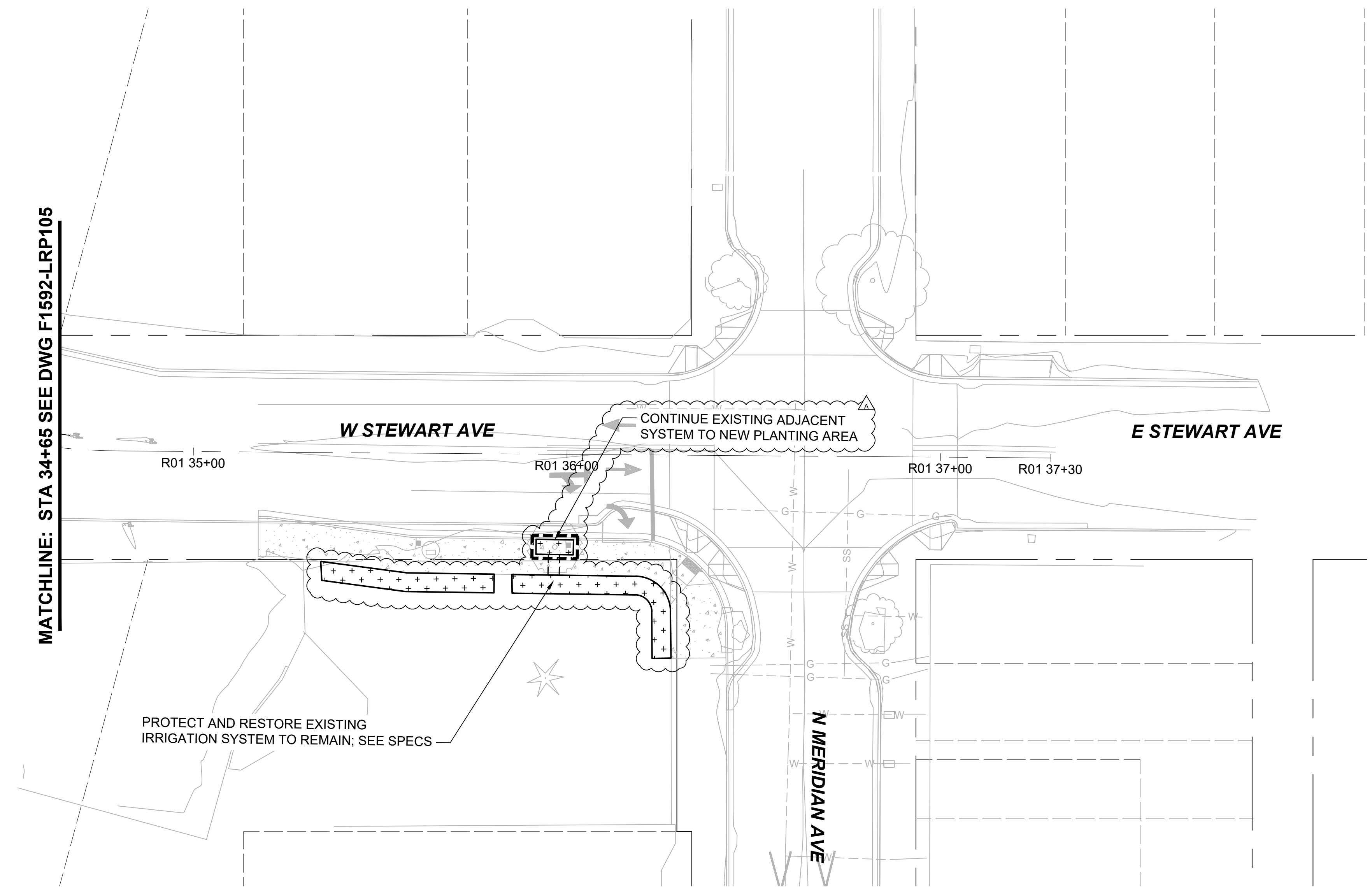
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01/08/2021



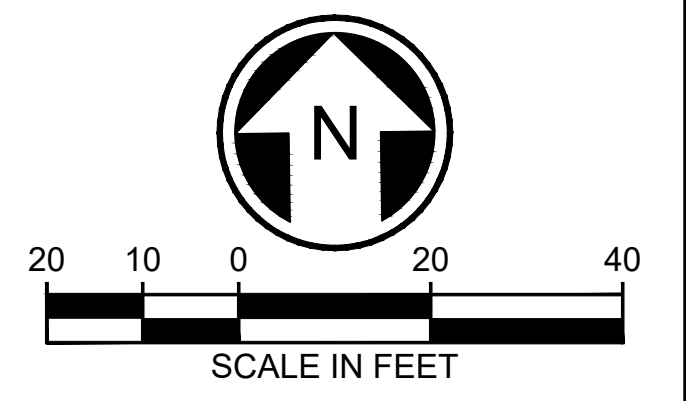
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 xS317-F1592-LRP100  
 xS317-F1592-VRX100  
 xS317-F1592-CAP100  
 xS317-F1592-CMP100

**GENERAL NOTES:**

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.



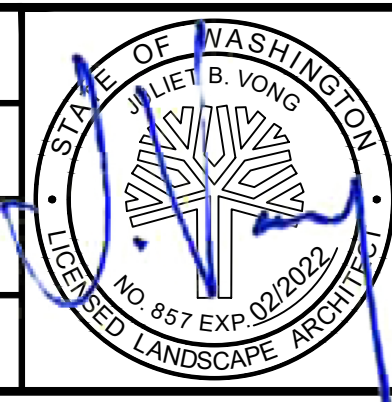
MATCHLINE: STA 34+65 SEE DWG F1592-LRP105



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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



LINE IS 1" AT FULL SCALE

**PACKAGE # DP-2 SITEWORK AND UTILITIES**

**SOUNDTRANSIT**  
 SCALE:  
1" = 20'  
 FILENAME:  
S317-F1592-LRP106  
 CONTRACT No.:  
RTA/CN 0612-18  
 SUBMITTAL DATE:  
01/08/2021

**PUYALLUP STATION PARKING  
 CONTRACT RTA/CN 0612-18  
 PUYALLUP STATION PARKING AND ACCESS  
 IMPROVEMENTS  
 LANDSCAPE  
 IRRIGATION PLAN**

DRAWING No.:  
**F1592-LRP106**  
 FACILITY ID:  
F1592  
 SHEET No.: REV:  
**77/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS

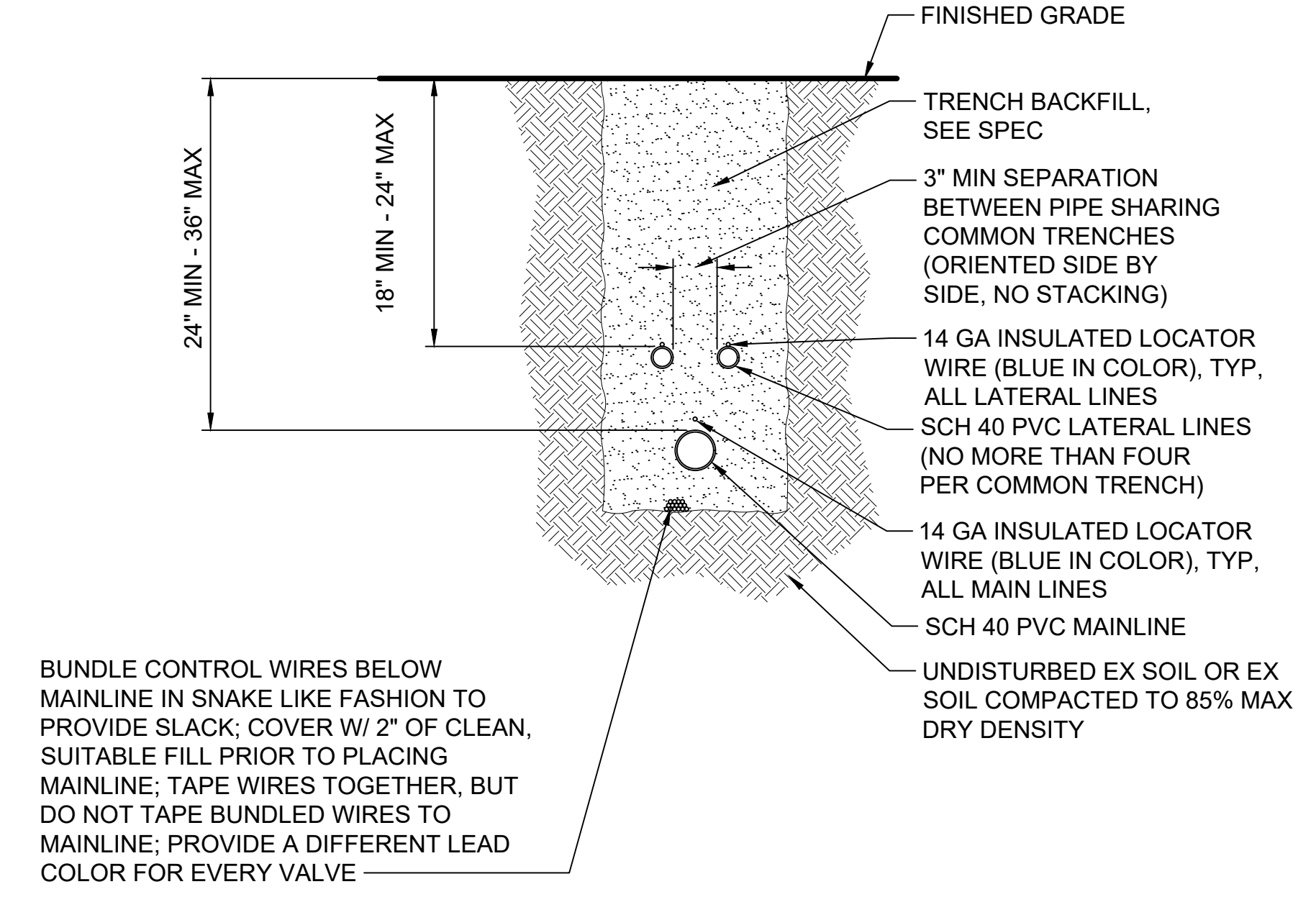
DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

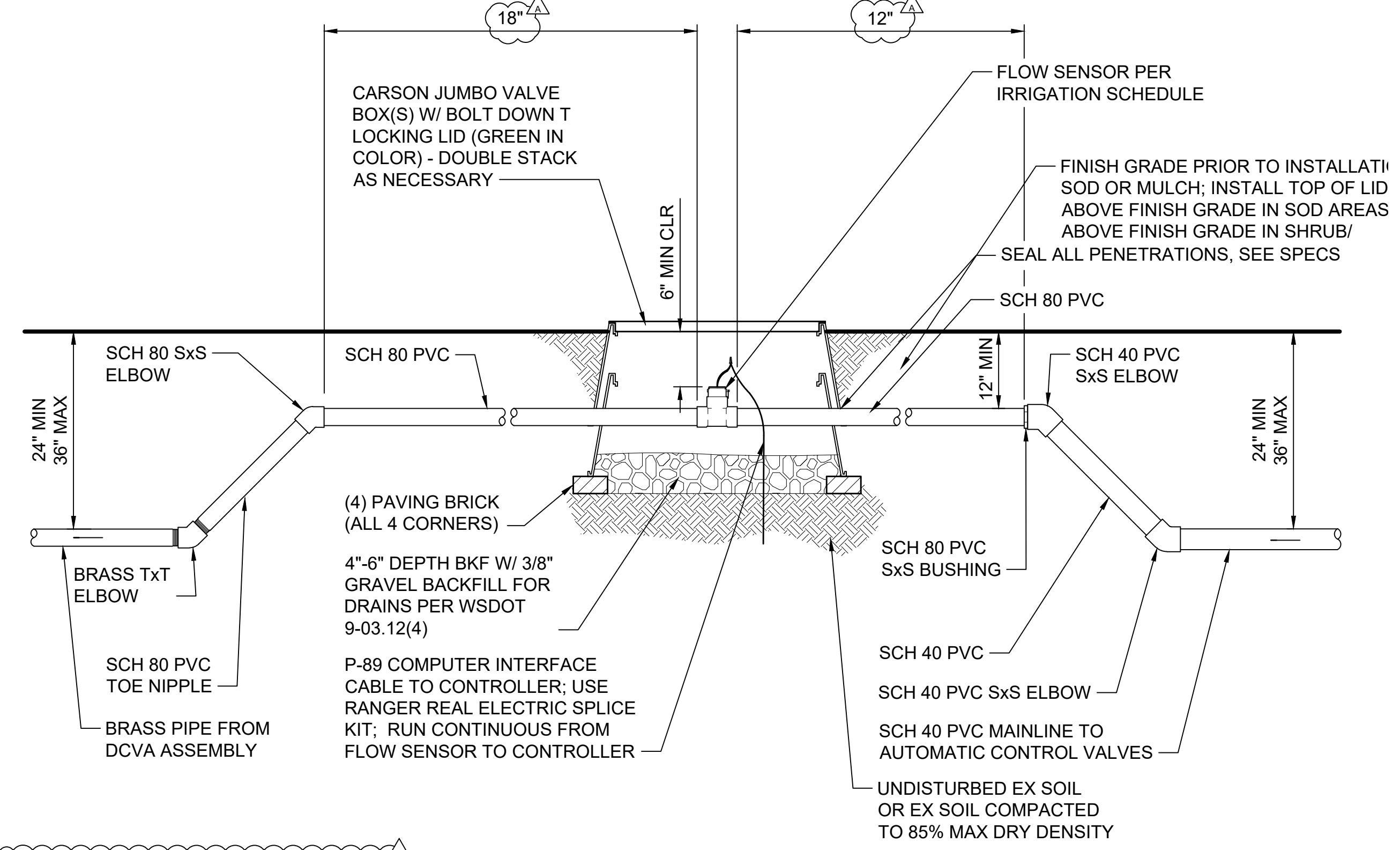
DATE:  
01/08/2021



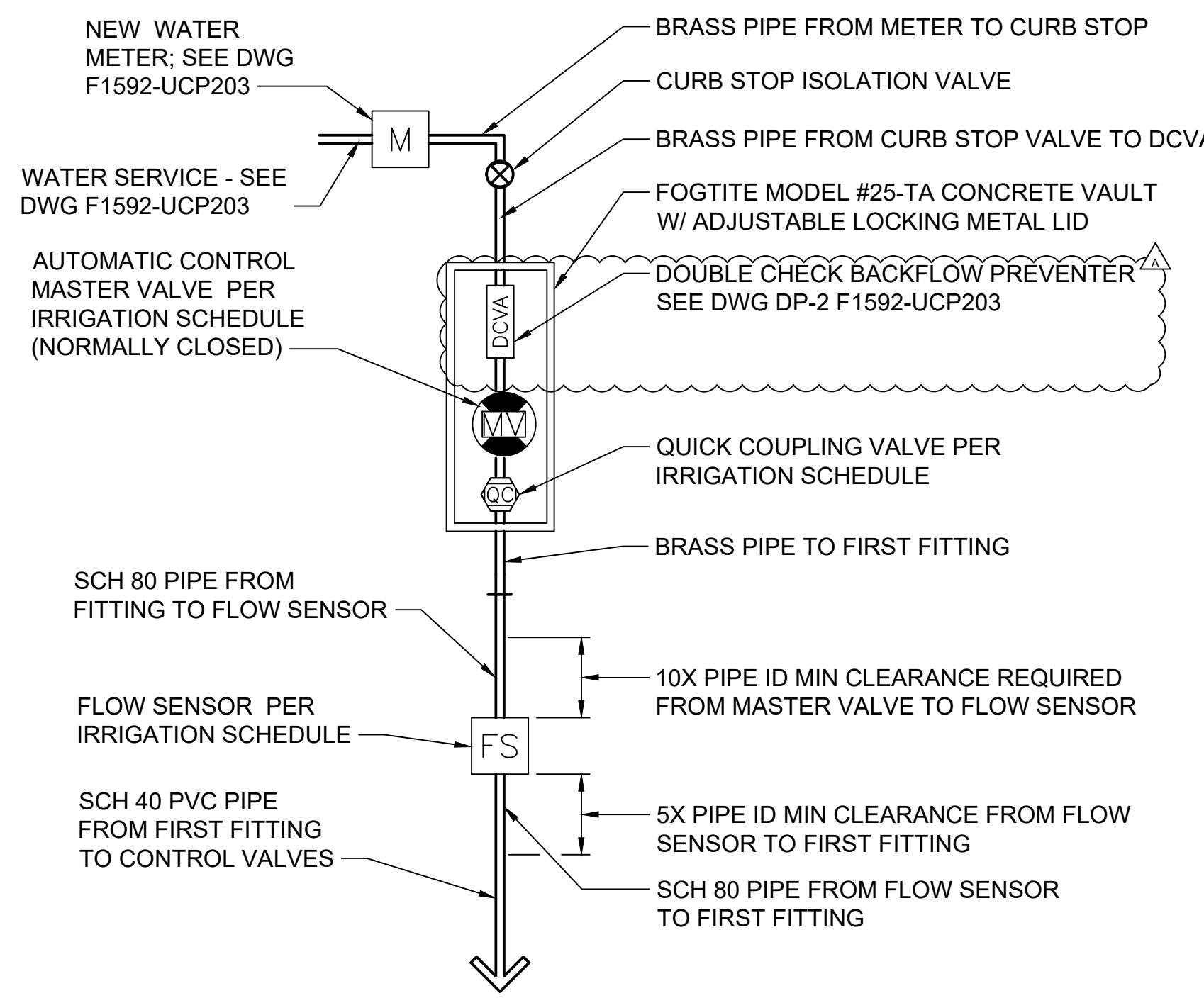
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 xS317-F1592-LRD001



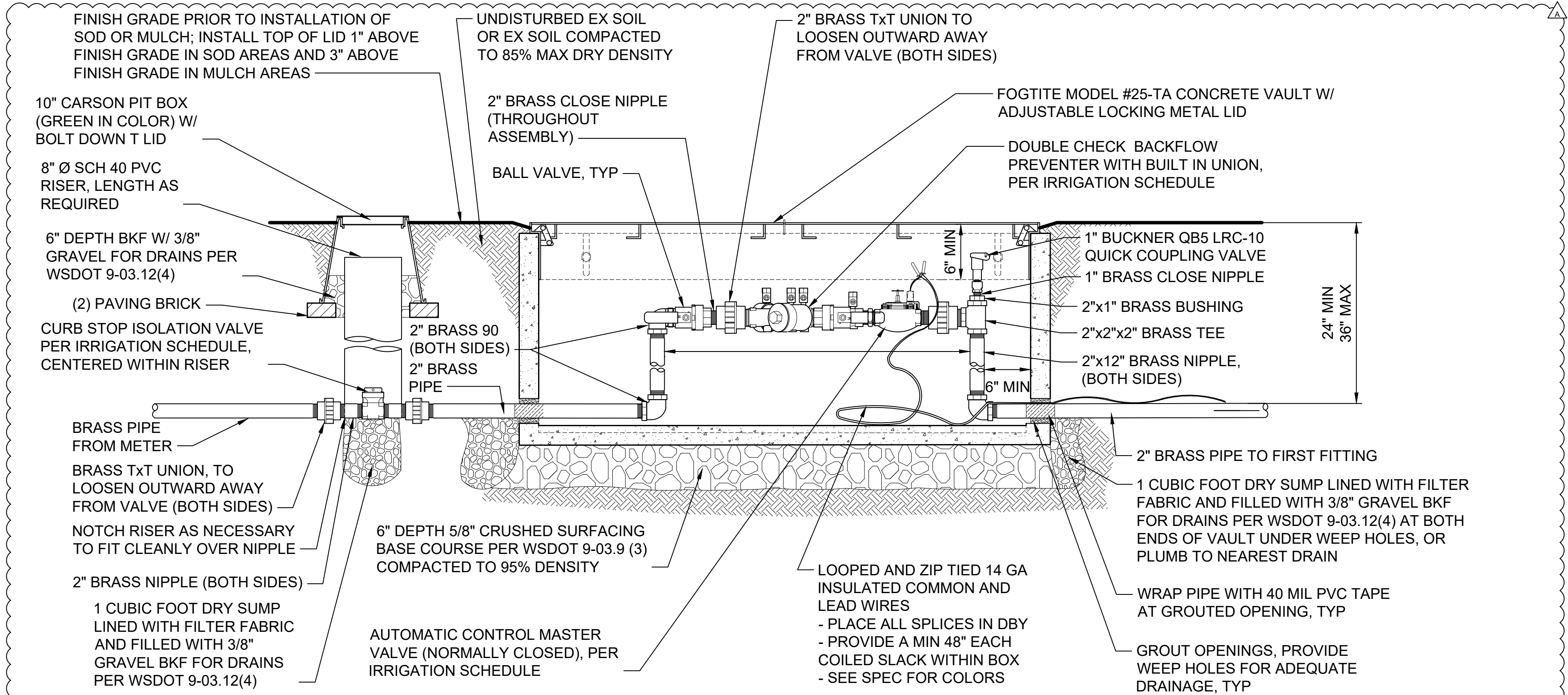
**1**  
**IRRIGATION TRENCH**  
 SCALE: NTS  
 F1592-LRS100



**2**  
**FLOW SENSOR ASSEMBLY**  
 SCALE: NTS  
 F1592-LRS100



**3**  
**IRRIGATION POINT OF CONNECTION**  
 SCALE: NTS  
 F1592-LRS100

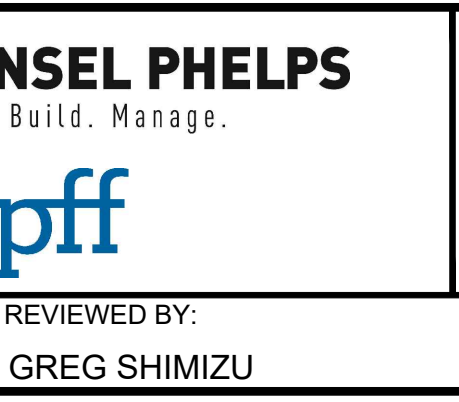
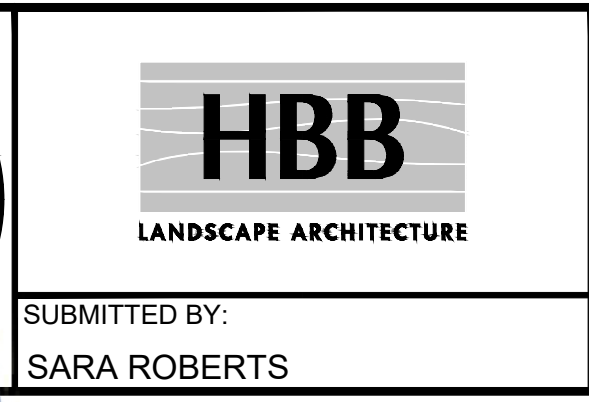
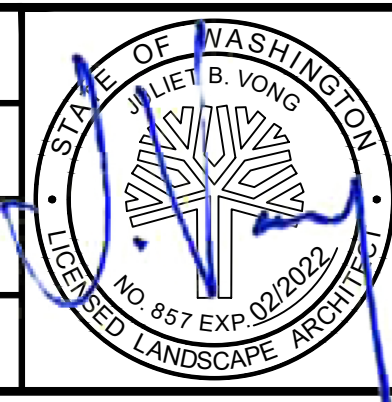


**4**  
**DOUBLE CHECK BACKFLOW VALVE ASSEMBLY**  
 SCALE: NTS  
 F1592-LRS100

01/08/21 | 8:23 PM | PMAGINNITY  
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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
 R. DOTSON  
 DRAWN BY:  
 P. MAGINNITY  
 CHECKED BY:  
 J. VONG  
 APPROVED BY:  
 J. VONG

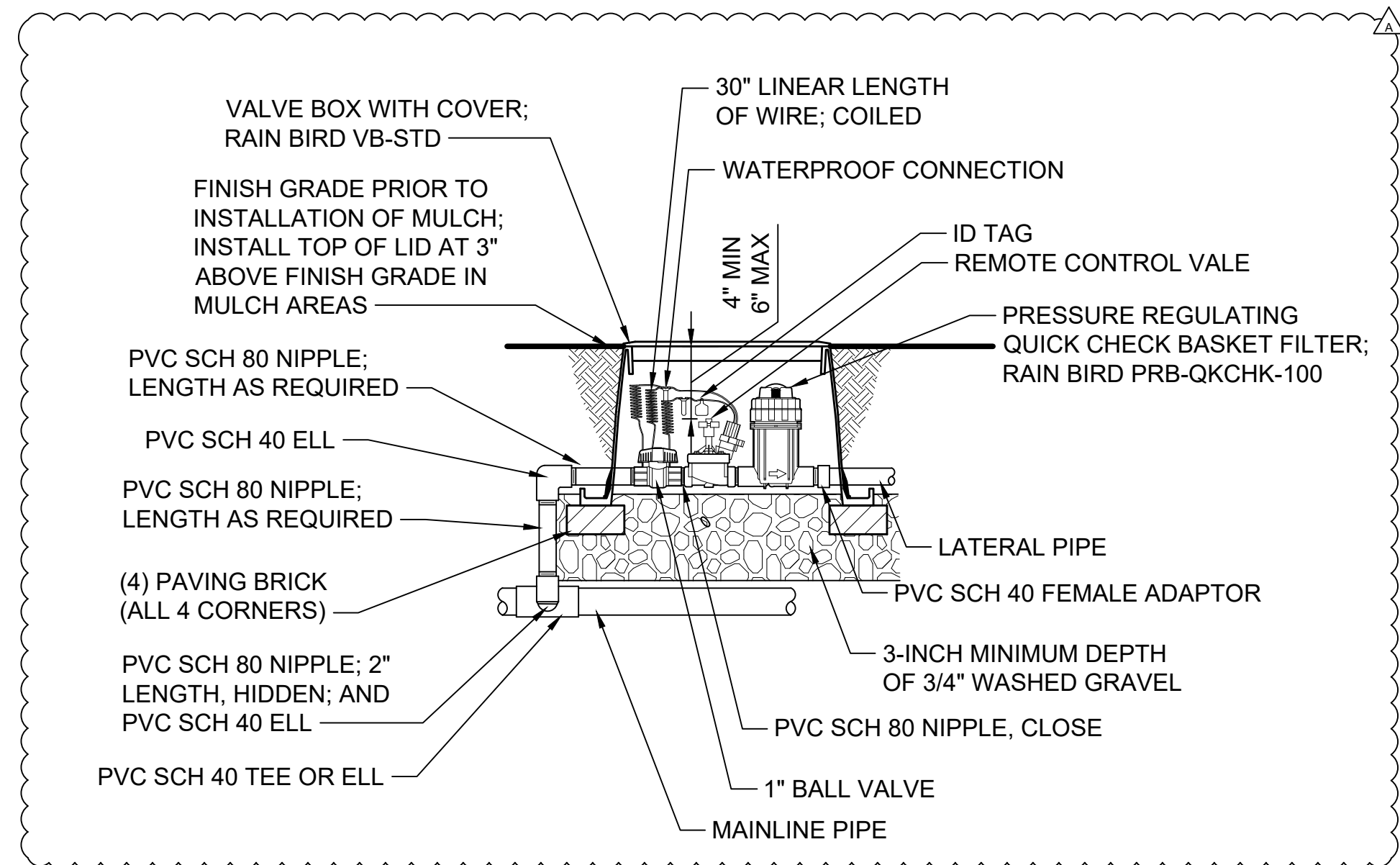


LINE IS 1" AT FULL SCALE

<b>PACKAGE #</b> DP-2	<b>SITWORK AND UTILITIES</b>
<b>SCALE:</b> NTS	<b>PROJECT:</b> PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 IMPROVEMENTS
<b>FILENAME:</b> S317-F1592-LRD101	<b>LANDSCAPE IRRIGATION DETAILS</b>
<b>CONTRACT No.:</b> RTA/CN 0612-18	<b>DRAWING No.:</b> F1592-LRD101
<b>SUBMITTAL DATE:</b> 01/08/2021	<b>FACILITY ID:</b> F1592
	<b>SHEET No.:</b> REV: 78/81



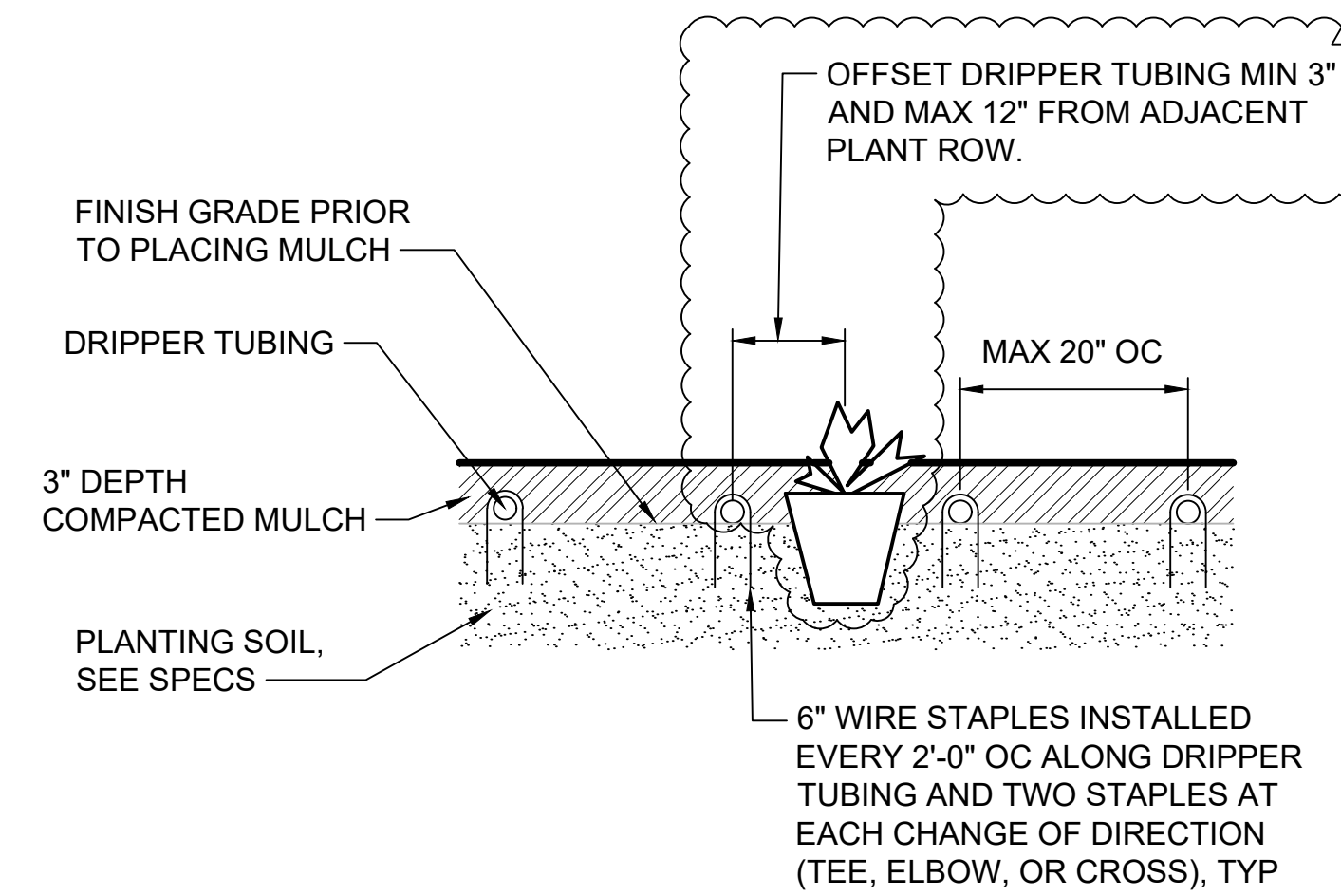
Xrefs:  
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 xGB-TB-Views\_20-Scal  
 xS317-F1592-LR001



**DRIP AUTOMATIC CONTROL VALVE WITH PRESSURE REGULATING BASKET FILTER & GATE VALVE**

SCALE: NTS

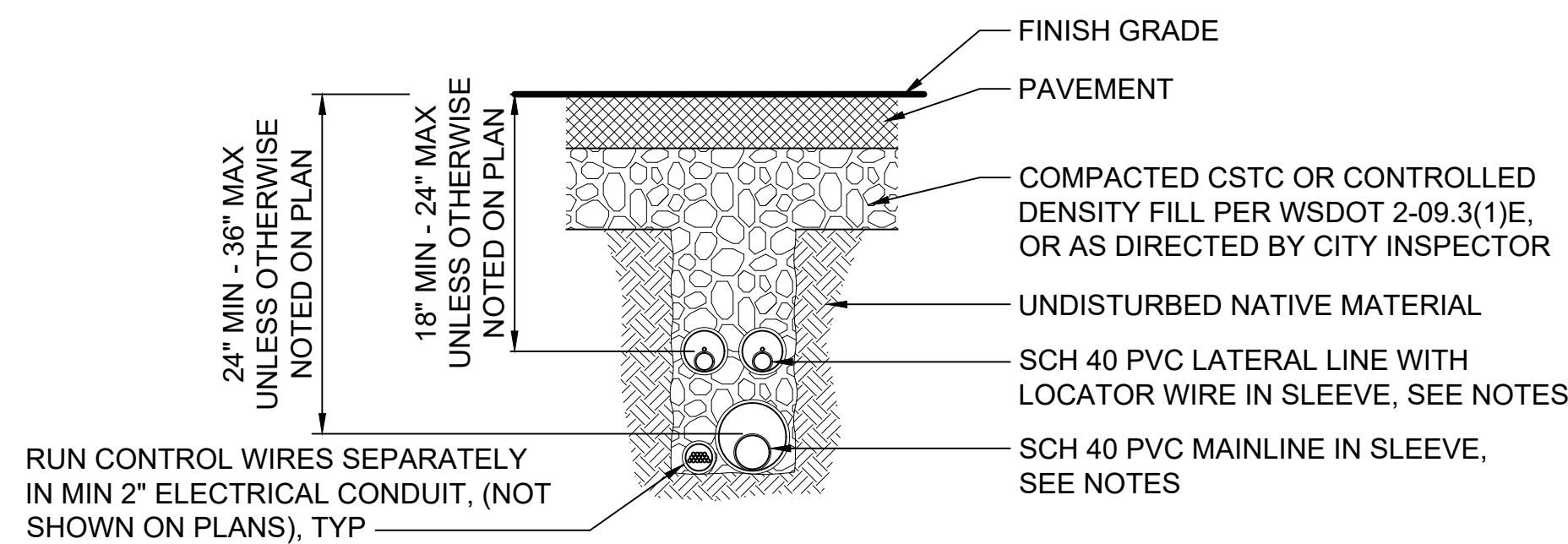
**1**  
F1592-LRS100



**DRIPPER TUBING**

SCALE: NTS

**2**  
F1592-LRS100



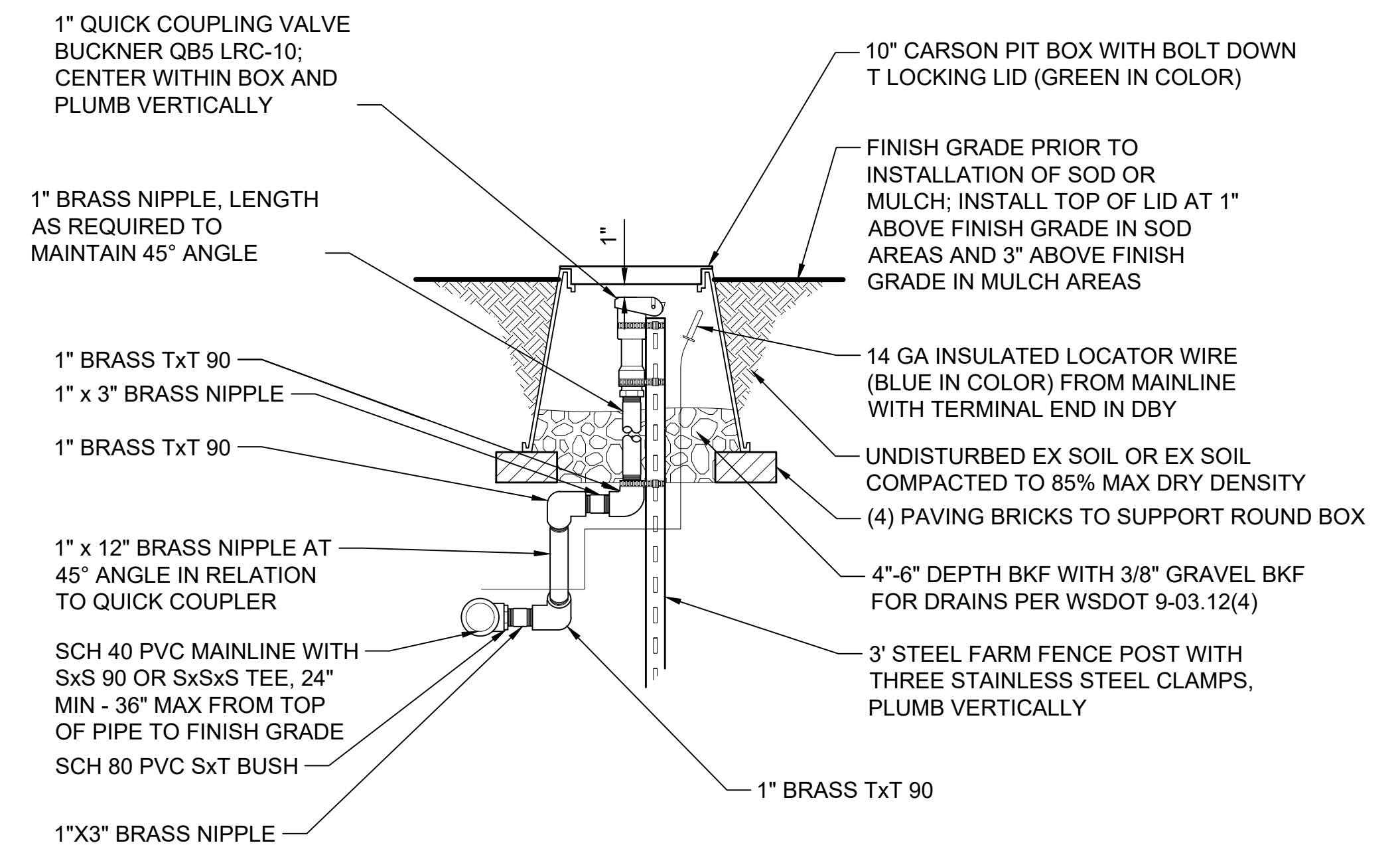
**NOTES:**

1. SLEEVING MATERIAL SHALL BE SIZE AND TYPE AS SHOWN ON CONTRACT DRAWINGS AND SHALL BE LARGE ENOUGH TO ALLOW IRRIGATION PIPE AND ASSOCIATED COUPLINGS TO EASILY SLIP THROUGH SLEEVING MATERIAL, TYPICALLY 2x DIAMETER OF IRRIGATION PIPE, UNLESS OTHERWISE SHOWN.
2. EXTEND SLEEVING MATERIAL 12" BEYOND EDGE OF PAVEMENT.

**IRRIGATION TRENCH UNDER PAVEMENT**

SCALE: NTS

**3**  
F1592-LRS100



**QUICK COUPLING VALVE**

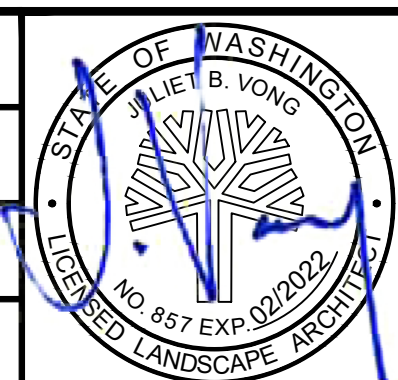
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**4**  
F1592-LRS100

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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
R. DOTSON  
 DRAWN BY:  
P. MAGINNITY  
 CHECKED BY:  
J. VONG  
 APPROVED BY:  
J. VONG



PACKAGE # DP-2  
 SCALE: NTS  
 FILENAME: S317-F1592-LRD102  
 CONTRACT No.: RTA/CN 0612-18  
 SUBMITTAL DATE: 01/08/2021

**SITWORK AND UTILITIES**  
**PUYALLUP STATION PARKING**  
**CONTRACT RTA/CN 0612-18**  
 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS  
 LANDSCAPE IRRIGATION DETAILS

DRAWING No.: **F1592-LRD102**  
 FACILITY ID: F1592  
 SHEET No.: REV: **79/81**

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY:  
SARA ROBERTS

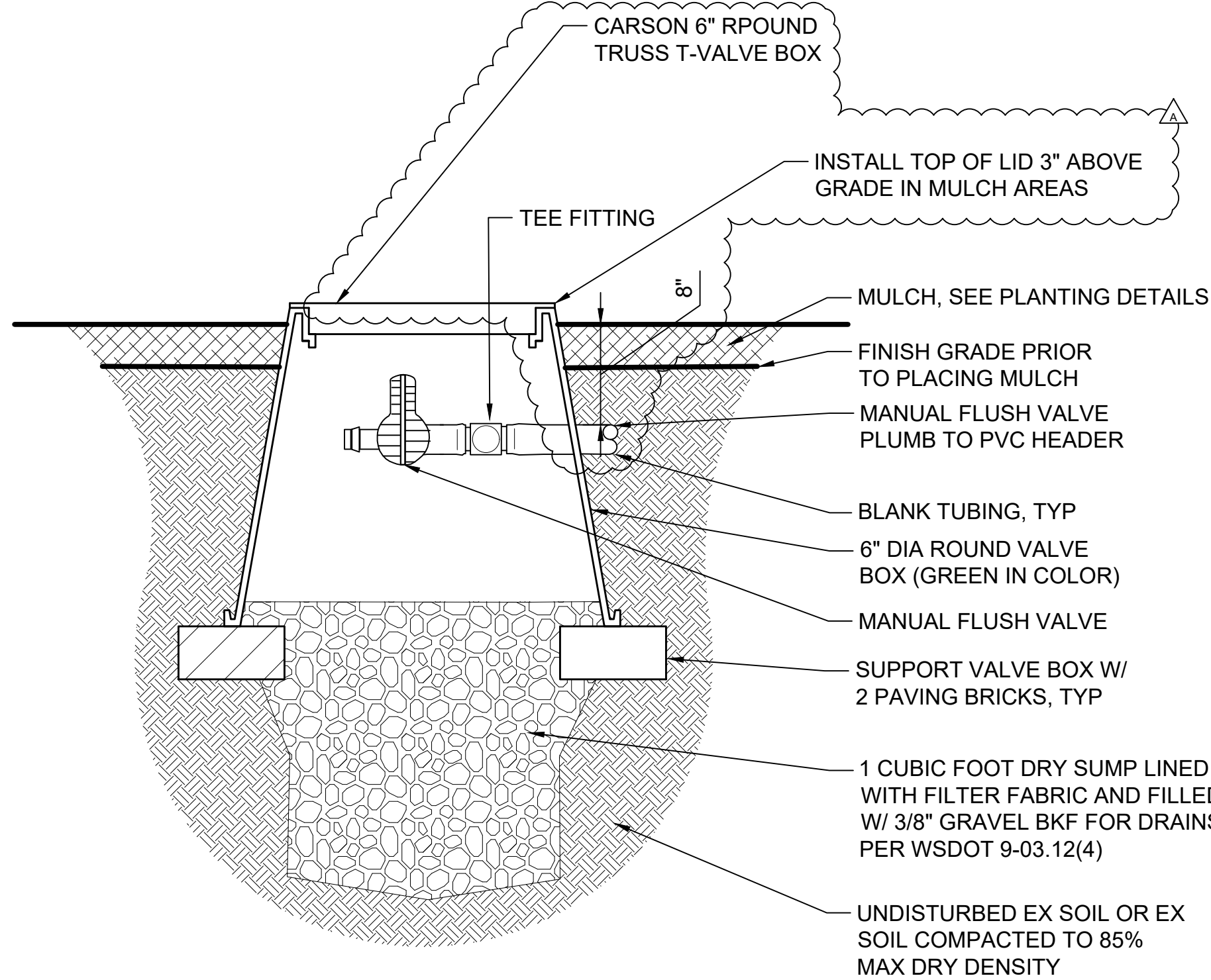
DATE:  
01/08/2021

REVIEWED BY:  
GREG SHIMIZU

DATE:  
01/08/2021



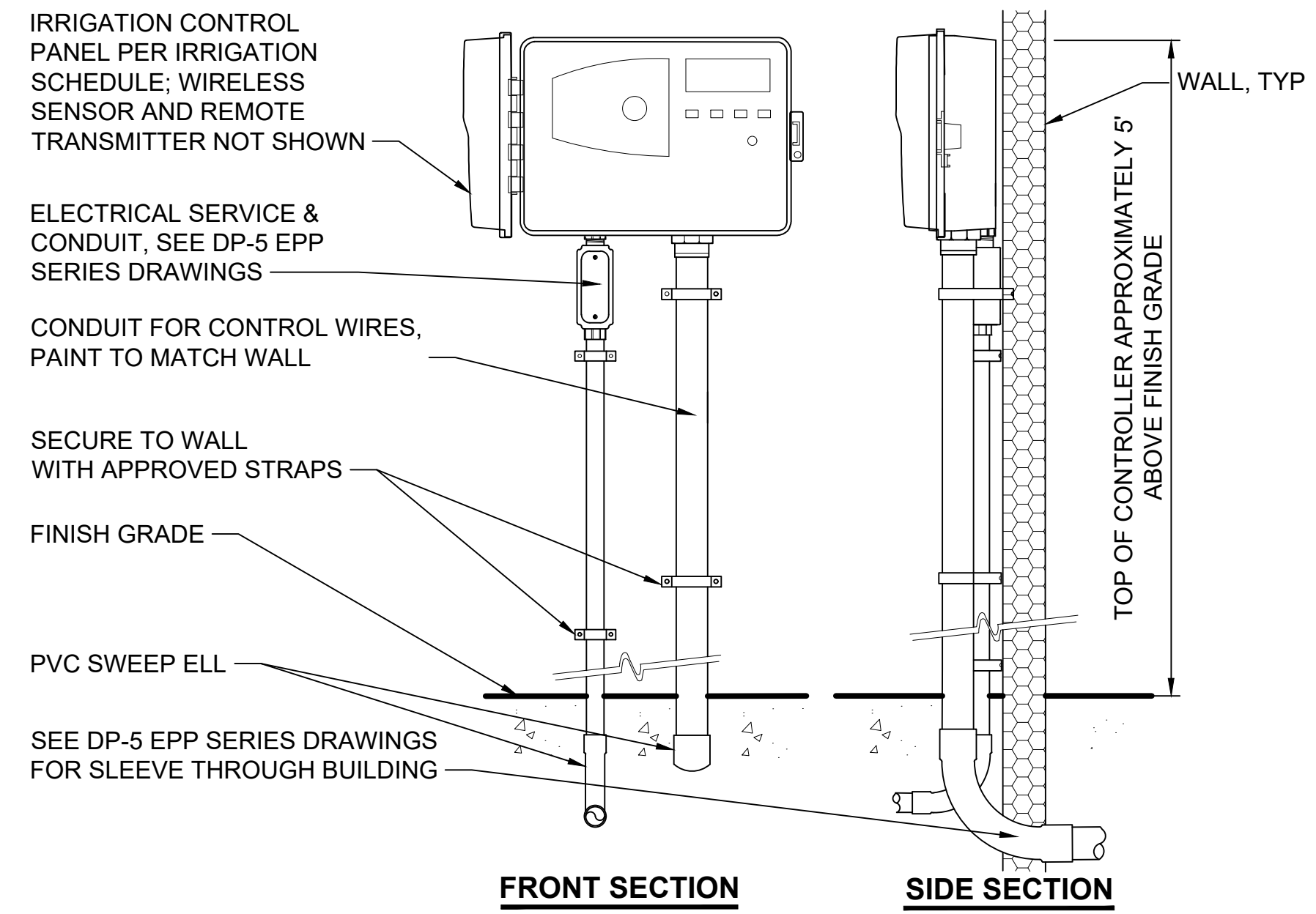
xrefs:  
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 xGB--1B--Views\_20--Scale  
 xS317-F1592-LRD001



**MANUAL FLUSH SHUT-OFF VALVE**

SCALE: NTS

**1**  
 F1592-LRS100

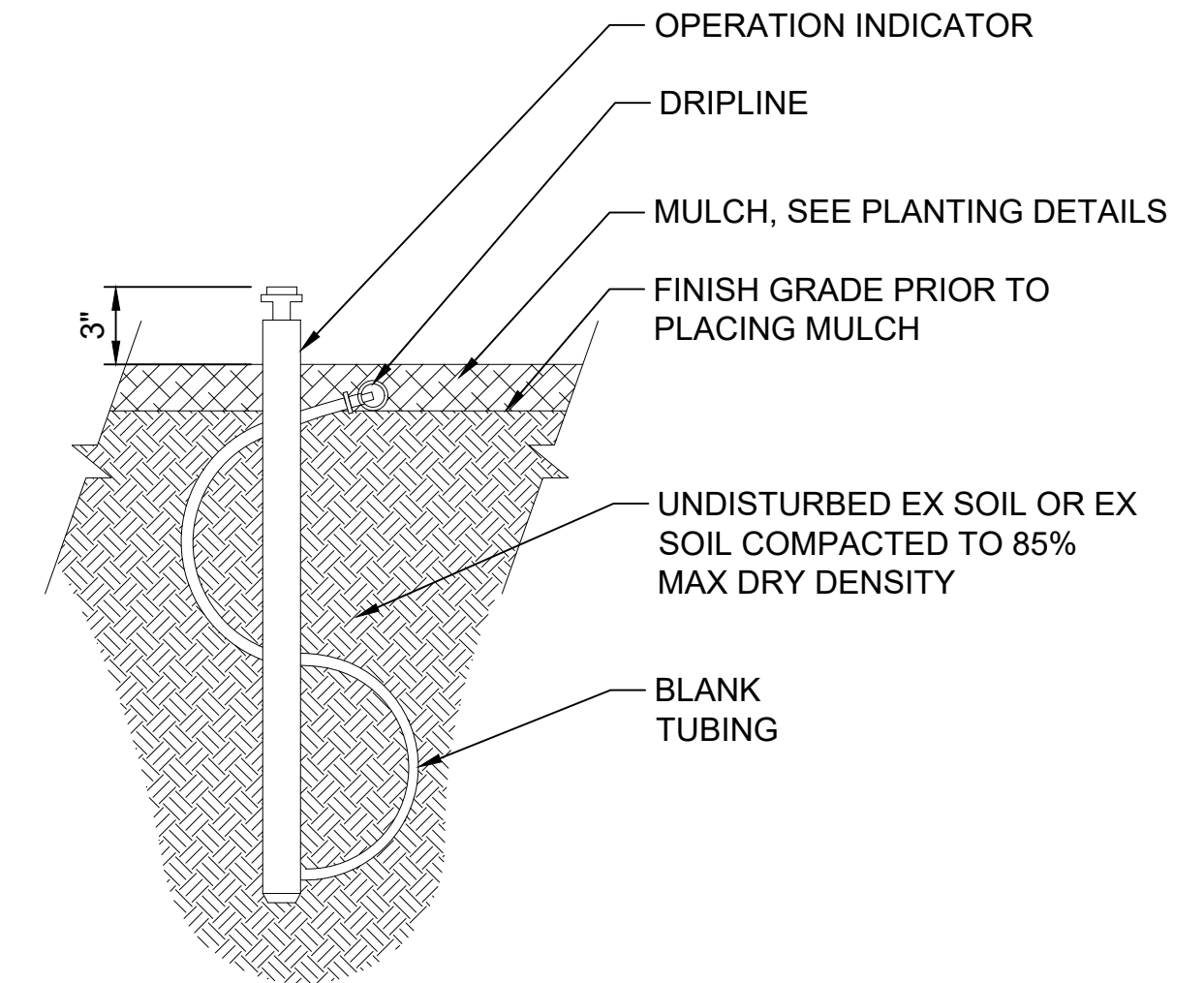


- NOTES:**
1. INSTALLATION TO BE COMPLETED PER MFRS RECOMMENDATIONS.
  2. SEE IRRIGATION SCHEDULE FOR SPECIFIC NUMBER OF VALVES AND TYPE/SIZE OF CONTROLLER.
  3. PROVIDE ETHERNET CONNECTION TO; SEE DP-5 EPP SERIES DRAWINGS.
  4. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRES, MOUNTING BRACKETS, WEATHERHEADS, AND ALL OTHER MISC EQUIPMENT REQUIRED FOR INSTALLATION.
  5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

**WALL MOUNTED IRRIGATION CONTROLLER**

SCALE: NTS

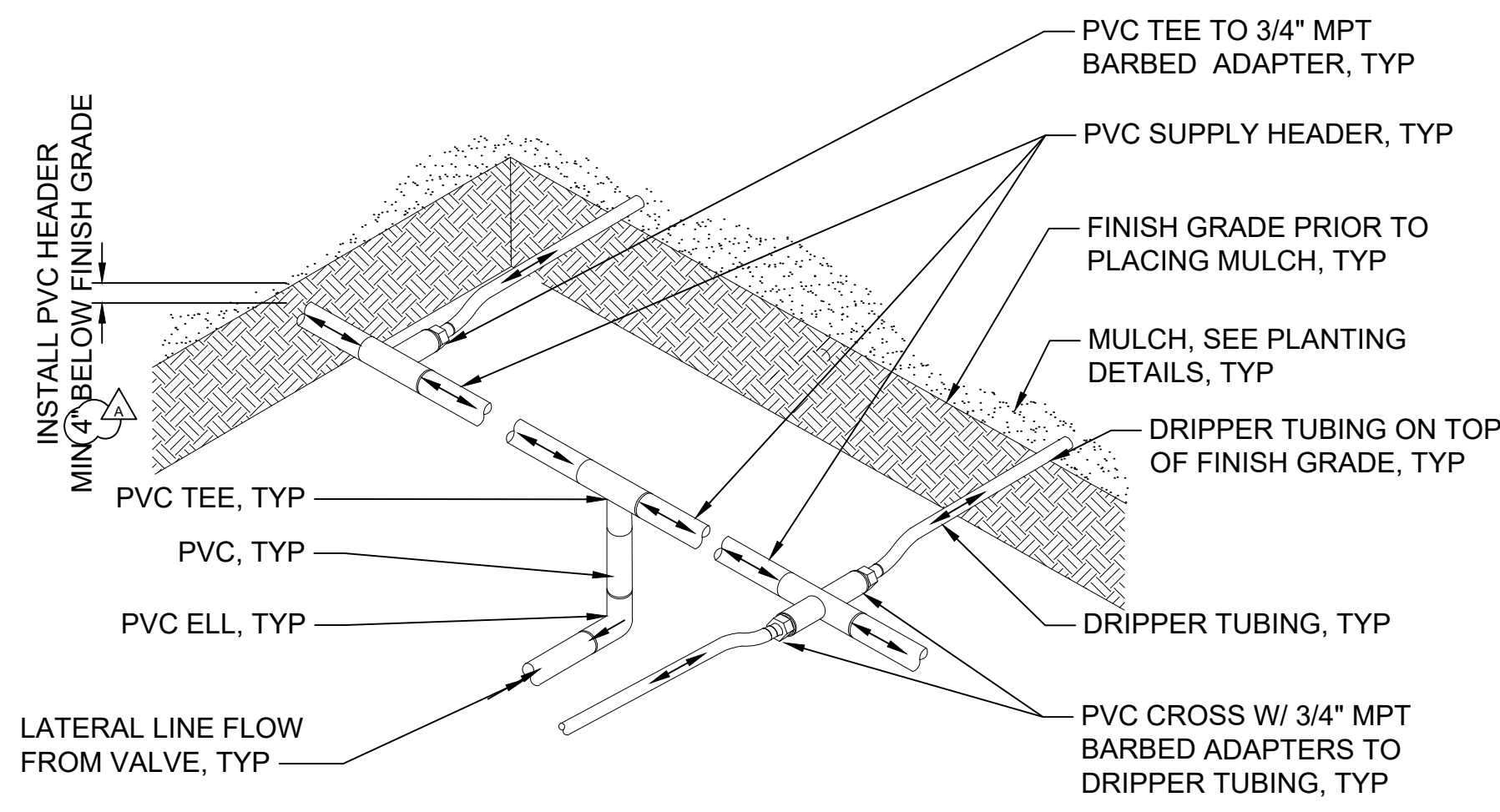
**2**  
 F1592-LRS100



**DRIPLINE OPERATION INDICATOR**

SCALE: NTS

**3**  
 F1592-LRS100



- NOTES:**
1. SEE PLANS, LEGENDS, AND SPECS FOR ALL DIMENSIONS AND LATERAL SPACING.
  2. DRIPPER TUBING SHALL BE INSTALLED FLAT ON FINISH GRADE & APPROVED BY RESIDENT ENGINEER PRIOR TO INSTALLATION OF MULCH.

**TYPICAL HEADER CONNECTIONS**

SCALE: NTS

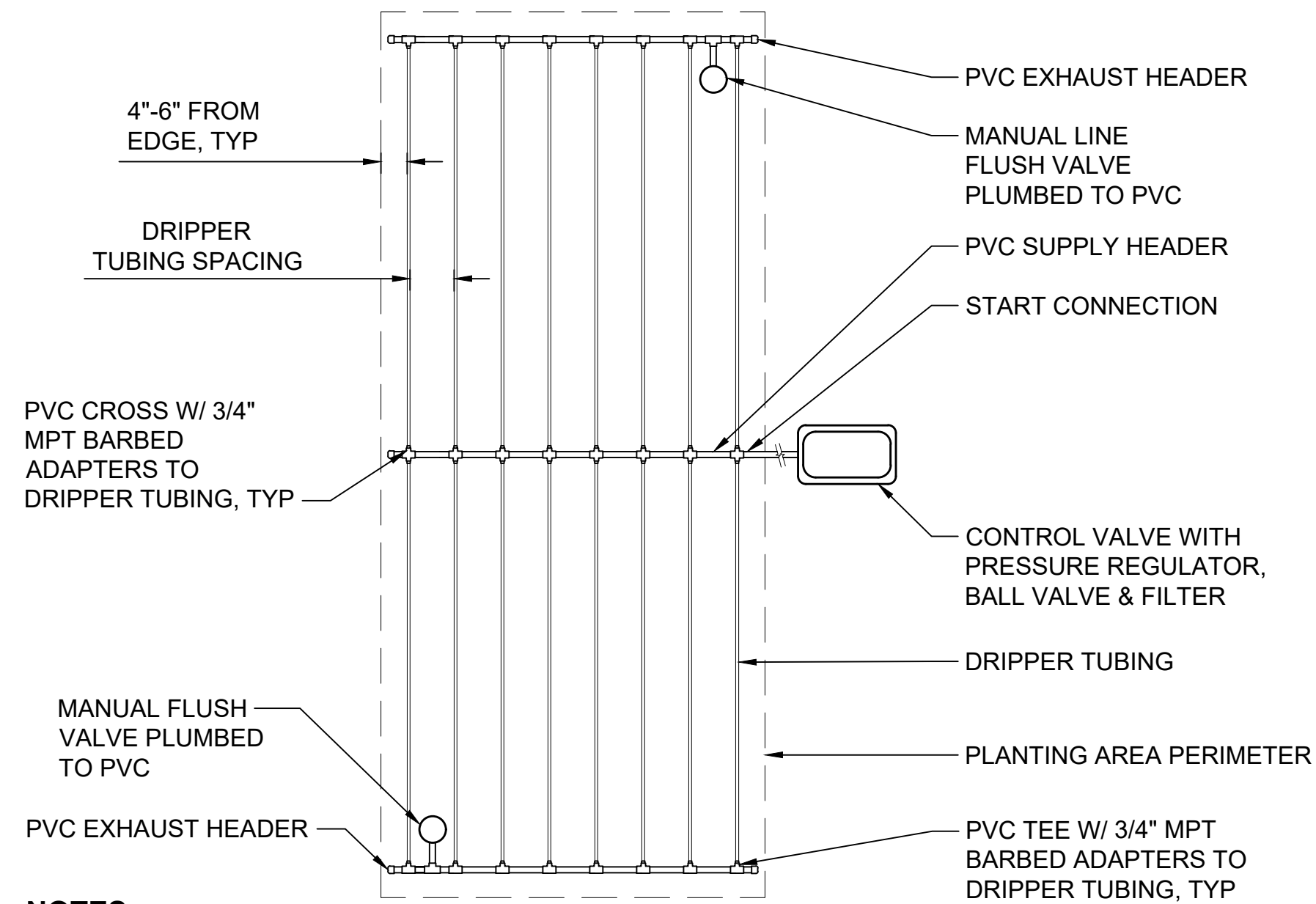
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 F1592-LRS100

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<b>CIVIL PERMIT RESUBMITTAL</b>					DESIGNED BY: R. DOTSON				PACKAGE # DP-2	SITework AND UTILITIES		DRAWING No.: <b>F1592-LRD103</b>	
					DRAWN BY: P. MAGINNITY					STATE OF WASHINGTON JULIE B. VONG LICENSED LANDSCAPE ARCHITECT NO. 857 EXP. 02/2022	FILENAME: S317-F1592-LRD103		PUYALLUP STATION PARKING CONTRACT RTA/CN 0612-18 PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
					CHECKED BY: J. VONG	SUBMITTED BY: SARA ROBERTS	DATE: 01/08/2021	REVIEWED BY: GREG SHIMIZU	CONTRACT No.: RTA/CN 0612-18	SUBMITTAL DATE: 01/08/2021	LANDSCAPE IRRIGATION DETAILS		SHEET No.: REV: <b>80/81</b>
A					APPROVED BY: J. VONG						DATE: 01/08/2021	DATE: 01/08/2021	DATE: 01/08/2021
No.	DATE	DSN	CHK	APP	REVISION								



Xrefs:  
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 xGB-1B-Views\_20-Scal  
 xS317-F1592-LRD001

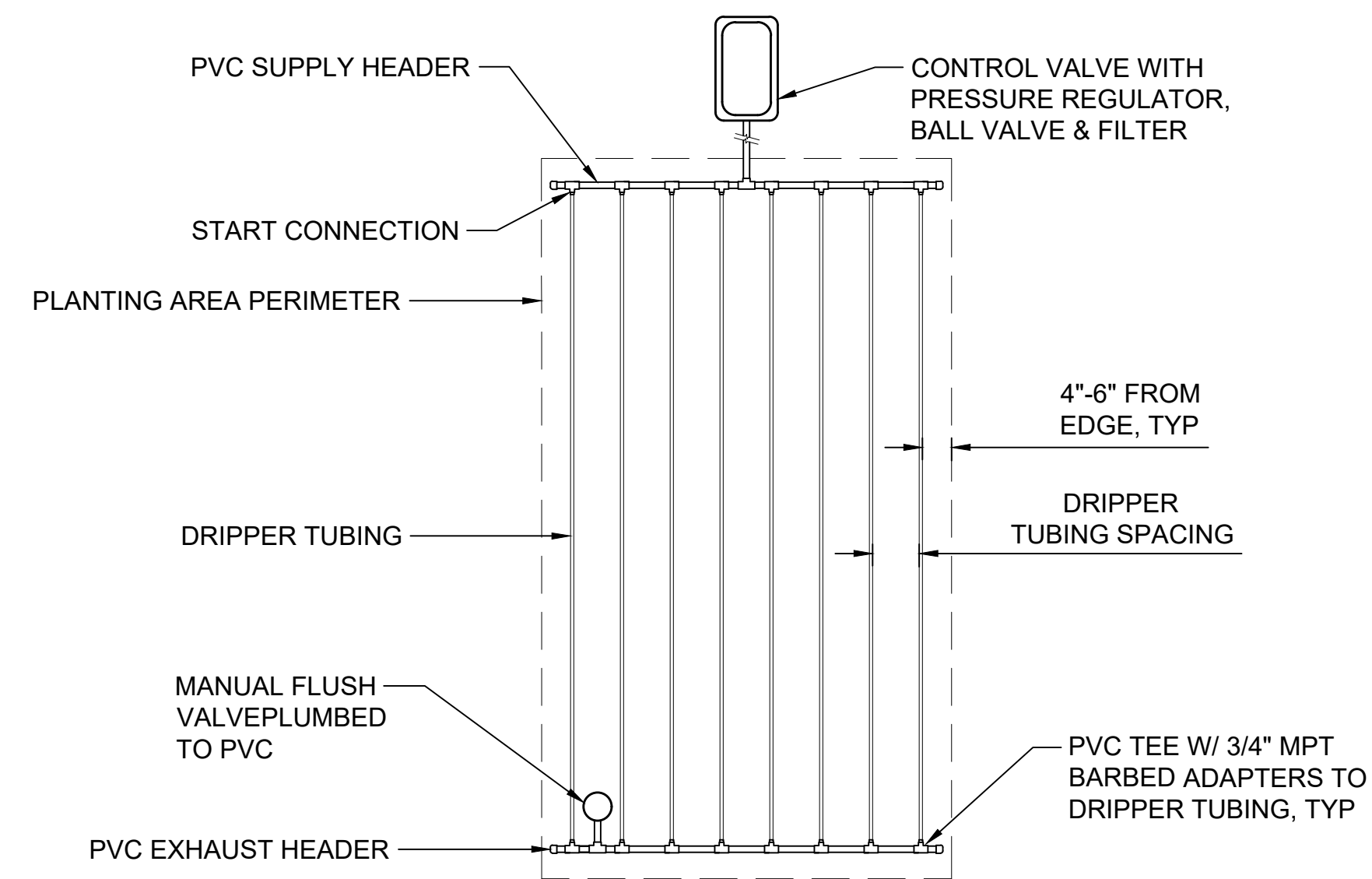


- NOTES:**
1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. LOCATE ON DRIPPER TUBING CLOSEST TO CONTROL VALVE.
  2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

**DRIP CENTER FEED LAYOUT**

SCALE: NTS

**1**  
 F1592-LRS100

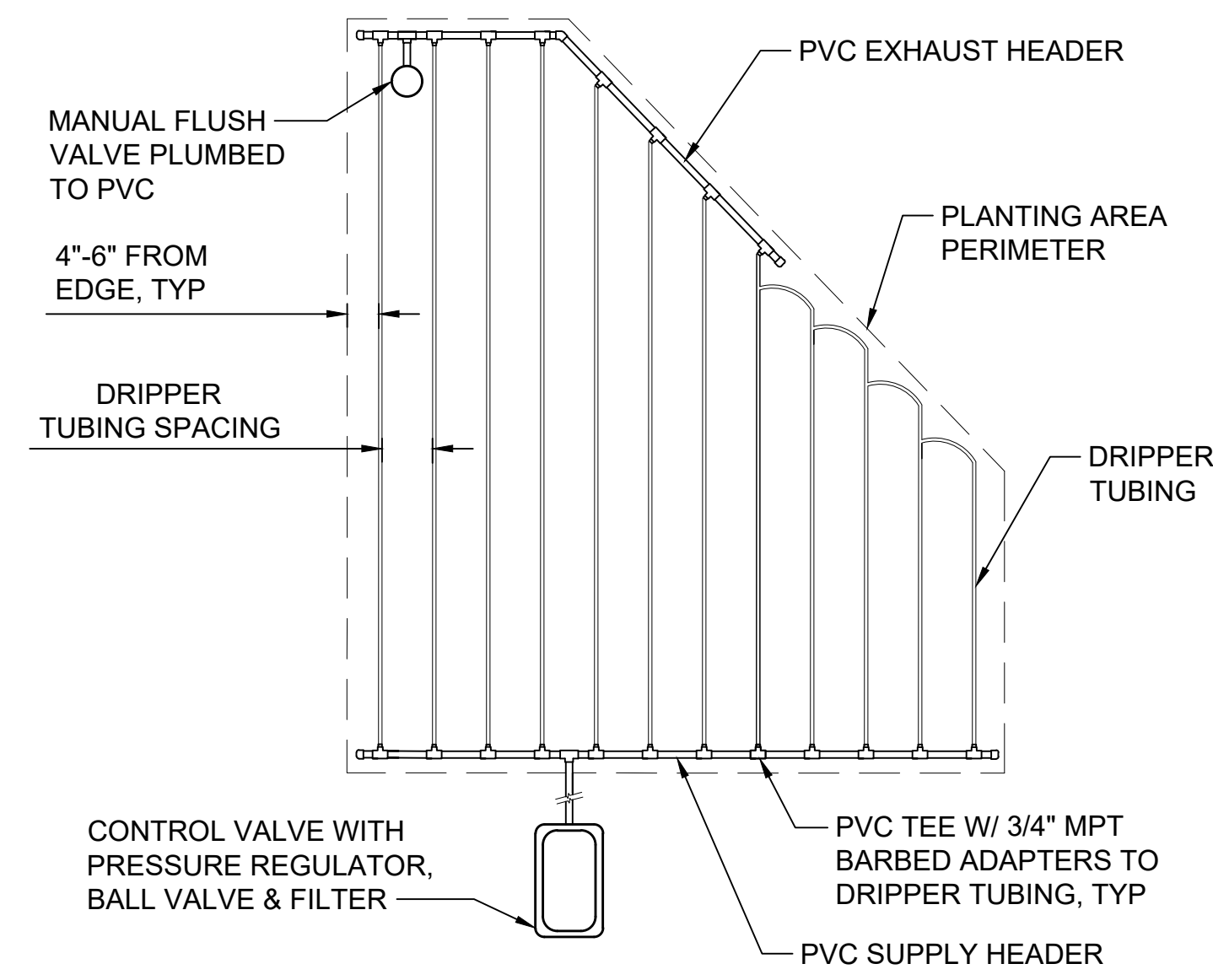


- NOTES:**
1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. LOCATE ON DRIPPER TUBING CLOSEST TO CONTROL VALVE.
  2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

**DRIP END FEED LAYOUT**

SCALE: NTS

**2**  
 F1592-LRS100



- NOTES:**
1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. INSTALL ON DRIPPER TUBING CLOSEST TO VALVE.
  2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

**DRIP IRREGULAR FEED LAYOUT**

SCALE: NTS

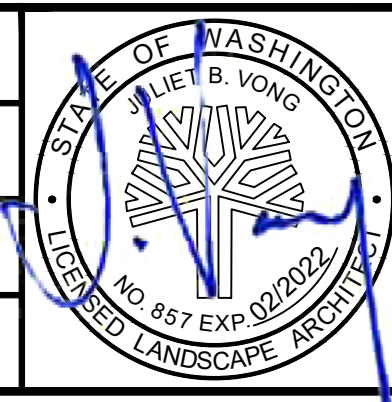
**3**  
 F1592-LRS100



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**CIVIL PERMIT RESUBMITTAL**

DESIGNED BY:  
 R. DOTSON  
 DRAWN BY:  
 P. MAGINNITY  
 CHECKED BY:  
 J. VONG  
 APPROVED BY:  
 J. VONG



LINE IS 1" AT FULL SCALE

<b>PACKAGE # DP-2</b>		<b>SITWORK AND UTILITIES</b>	
		<b>PUYALLUP STATION PARKING          CONTRACT RTA/CN 0612-18          PUYALLUP STATION PARKING AND ACCESS          IMPROVEMENTS          LANDSCAPE          IRRIGATION DETAILS</b>	
SCALE: NTS	FILENAME: S317-F1592-LRD104	CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	01/08/2021	DRAWING No.:	<b>F1592-LRD104</b>
DRAWING No.:	F1592	SHEET No.:	81/81

No.	DATE	DSN	CHK	APP	REVISION
A	01/08/2021	RD	JV	JV	REVISIONS FOR CITY PERMIT E-20-0504

SUBMITTED BY: SARA ROBERTS  
 DATE: 01/08/2021  
 REVIEWED BY: GREG SHIMIZU