- 1. THE GENERAL CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF THE APPLICABLE GOVERNING AGENCY STANDARDS AT THE JOB SITE DURING THE RELATED CONSTRUCTION OPERATIONS.
- 2. THE GENERAL CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. UTILITIES OTHER THAN THOSE SHOWN MAY EXIST ON THIS SITE. ONLY THOSE UTILITIES WITH EVIDENCE OF THEIR INSTALLATION VISIBLE AT GROUND SURFACE OR SHOWN ON RECORD DRAWINGS PROVIDED BY OTHERS ARE SHOWN HEREON. EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND ARE SUBJECT TO A DEGREE OF UNKNOWN VARIATION. SOME UNDERGROUND LOCATIONS SHOWN HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. BARGHAUSEN CONSULTING ENGINEERS, LLC. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS OR RECORDS OF OTHERS. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO RESOLVE ALL PROBLEMS PRIOR TO CONSTRUCTION.
- 4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW ALL OF THE DRAWINGS AND SPECIFICATIONS ASSOCIATED WITH THE PROJECT WORK SCOPE PRIOR TO THE INITIATION OF CONSTRUCTION. SHOULD THE CONTRACTOR FIND A CONFLICT WITH THE DOCUMENTS RELATIVE TO THE SPECIFICATIONS OR THE RELATIVE CODES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER OF RECORD IN WRITING PRIOR TO THE START OF CONSTRUCTION. FAILURE BY THE CONTRACTOR TO NOTIFY THE ENGINEER SHALL CONSTITUTE ACCEPTANCE OF FULL RESPONSIBILITY BY THE CONTRACTOR TO COMPLETE THE SCOPE OF WORK AS DEFINED BY THE DRAWINGS AND IN FULL COMPLIANCE WITH LOCAL REGULATIONS AND CODES.
- 5. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE APPROPRIATE UTILITIES INVOLVED PRIOR TO CONSTRUCTION.
- 6. INSPECTION OF SITE WORK WILL BE THE RESPONSIBILITY OF A REPRESENTATIVE OF THE GOVERNING JURISDICTION. INSPECTION OF PRIVATE FACILITIES WILL BE ACCOMPLISHED BY A REPRESENTATIVE OF THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE INSPECTOR 24 HOURS IN ADVANCE OF BACKFILLING ALL CONSTRUCTION.
- 7. PRIOR TO ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, THE CONTRACTOR SHALL CONTACT THE AGENCY AND/OR UTILITY INSPECTION PERSONNEL AND ARRANGE ANY REQUIRED PRE-CONSTRUCTION MEETING(S). THE CONTRACTOR SHALL PROVIDE 72 HOURS MINIMUM ADVANCE NOTIFICATION TO THE OWNER, FIELD ENGINEER AND ENGINEER OF THE PRE-CONSTRUCTION MEETINGS.
- 8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR WORKER AND SITE SAFETY AND SHALL COMPLY WITH THE LATEST OSHA STANDARDS AND REGULATIONS, OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE "MEAN AND METHODS" REQUIRED TO MEET THE INTENT AND PERFORMANCE CRITERIA OF OSHA, AS WELL AS ANY OTHER AGENCY THAT HAS JURISDICTION FOR EXCAVATION AND/OR TRENCHING PROCEDURES.
- 9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED.
- 10. PROTECTIVE MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT ALL ADJACENT PUBLIC AND PRIVATE PROPERTIES AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITY SERVICES THAT ARE TO REMAIN OPERATION WITHIN THE
- CONSTRUCTION AREA WHETHER SHOWN OR NOT SHOWN ON THE PLANS. 11. TWO (2) COPIES OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. ONE (1) SET WITH RECORDS OF AS-BUILT INFORMATION SHALL BE SUBMITTED TO
- 12. THE GENERAL CONTRACTOR SHALL OBTAIN SERVICES OF A LICENSED LAND SURVEYOR TO STAKE HORIZONTAL CONTROL FOR ALL NEW IMPROVEMENTS. STAKING CONTROL SHALL BE TAKEN FROM ELECTRONIC PLAN FILES PROVIDED BY BARGHAUSEN CONSULTING ENGINEERS, LLC.

BARGHAUSEN CONSULTING ENGINEERS, INC. AT COMPLETION OF THE PROJECT.

13. THE GENERAL CONTRACTOR SHALL REQUEST FROM BARGHAUSEN CONSULTING ENGINEERS, LLC. PRIOR TO ANY CONSTRUCTION STAKING OR CONSTRUCTION WORK. A FORMAL CONSTRUCTION RELEASE PLAN SET OR SPECIFIC RELEASE IN WRITING. THE APPROVED AGENCY PERMIT DRAWINGS WILL NOT BE CONSIDERED CONSTRUCTION RELEASE PLANS BY BARGHAUSEN CONSULTING ENGINEERS, INC. UNLESS BARGHAUSEN CONSULTING ENGINEERS, LLC. HAS GIVEN A FORMAL WRITTEN RELEASE OR ISSUED A CONSTRUCTION

CONSTRUCTION SEQUENCE

FLAGGING OF CLEARING LIMITS.

RELEASE PLAN SET.

- 2. SCHEDULE AND ATTEND PRE-CONSTRUCTION MEETING WITH THE CITY OF PUYALLUP.
- 3. PROVIDE MISC. DEMOLITION AND CLEAR AND GRUB AREA WITHIN CLEARING LIMITS REQUIRED FOR INSTALLATION OF TEMPORARY EROSION AND SEDIMENTATION CONTROL FACILITIES. ALL EROSION AND SEDIMENTATION CONTROL FACILITIES SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE INSTALLED PRIOR TO, OR AS A FIRST STAGE OF SITE PREPARATION.
- 4. PROVIDE INLET PROTECTION AND FILTER FABRIC FENCE AS SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLANS.
- 5. THE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENTATION CONTROL MEASURES AND PROVIDE REPAIRS AS NEEDED FOR THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- 6. CLEAR AND GRUB ALL REMAINDER OF THE SITE WITHIN THE CLEARING LIMITS AND ROUGH GRADE. 7. PROVIDE COVER MEASURES TO INCLUDE ARMORING, MULCHING, AND HYDROSEEDING TO STABILIZE
- DENUDED AREA AND PREVENT THE TRANSPORT OF SEDIMENT-LADEN STORMWATER OFF-SITE.
- 8. PROVIDE STORM SYSTEM AND MISCELLANEOUS UTILITIES AS SHOWN ON THE PLANS. 9. FINE GRADE THE SITE AND PAVE. COORDINATE WITH THE CITY OF PUYALLUP FOR REQUIRED INSPECTIONS.
- 10. STABILIZE ALL REMAINING DISTURBED AREAS.

TRENCH NOTE

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR (4) OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE FOR WORKER SAFETY AND BARGHAUSEN CONSULTING ENGINEERS, LLC. ASSUMES NO RESPONSIBILITY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

FILL SPECIFICATION

IMPORTED FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS. DANGEROUS. TOXIC. OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW, ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD.

CRITICAL AREA DELINEATION NOTES

PERMANENT CRITICAL AREA MARKERS ARE REQUIRED TO BE INSTALLED EVERY 50 FEET AROUND THE BOUNDARY OF CRITICAL AREA BUFFERS FOR THE FOLLOWING CRITICAL AREAS; WETLANDS, STREAMS, LANDSLIDE HAZARD AREAS.

CITY OF PUYALLUP STANDARD NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- 9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- 10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5
- 11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
- 12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- 13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- 14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT
- 15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

CITY OF PUYALLUP SEWER NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS. REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- 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 SANITARY SEWER
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.
- 9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
- 10. ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2), IT SHALL MEET OR EXCEED ASTM F2764, 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILLED SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- 11. SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02. 12. SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01. 04.01.02. 04.01.03
- AND 04.01.04. ALL MANHOLES SHALL BE CHANNELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLES STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- 13. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER. A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
- 14. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- 15. FOR ALL COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
- 16. ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED. ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

CITY OF PUYALLUP WATER NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER, THE ENGINEERING SERVICES STAFF, AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY.
- 9. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
- 10. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
- 11. CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL TAPPING SLEEVE OR APPROVED FOUAL. A TWO-PIECE FPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6-INCH TAP ON 8-INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
- 12. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING.
- 13. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.
- 14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
- 15. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
- 16. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72. 17. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING
- FOUNDATIONS AND/OR ROOF LINES. 18. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS
- NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE. 19. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY
- 20. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.
- 21. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.
- 22. HYDRAULIC FIRE FLOW MODELING SHALL BE REQUIRED FOR FORMAL PLATS WITHIN OR TO BE ANNEXED INTO THE CITY OF PUYALLUP'S WATER SERVICE AREA. THE DEVELOPER SHALL BE RESPONSIBLE TO APPLY FOR A HYDRAULIC MODEL PERMIT PRIOR TO PLAT REVIEW. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED WATER DEMAND WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20
- 23. 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.

POUNDS PER SQUARE INCH (PSI) AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND.

- 24. SHOULD A BREAK OCCUR ON ANY CITY WATER MAIN, THE CONTRACTOR SHALL FOLLOW THE CITY'S ADOPTED "WATER MAIN BREAK PROCEDURE" ISSUED TO THEM AT THE PRE-CONSTRUCTION MEETING AND NOTIFY THOSE CONNECTED TO THE SYSTEM IN THE IMPACTED AREA AS OUTLINED IN THE PROCEDURE.
- 25. WATER MAIN REPAIRS (REFERENCES: AWWA C651-14 AND WSDOT STANDARD SPECIFICATION SECTION 7-09)(NOTE: A PLANNED WATER MAIN REPAIR SHALL BE APPROVED BY THE CITY INSPECTOR AND/OR WATER DIVISION SUPERVISOR PRIOR TO COMMENCING WORK.)
- 25.1. REPAIR WITHOUT DEPRESSURIZATION SMALL LEAKS SHALL BE REPAIRED USING REPAIR BANDS WHILE MAINTAINING POSITIVE PRESSURE IN THE WATER MAIN. VALVES SURROUNDING THE LEAK WILL BE PARTIALLY SHUT BY THE CITY WATER DEPARTMENT TO REDUCE THE FLOW AND PRESSURE TO THE AREA. BLOWOFFS AND HYDRANTS IN THE REDUCED PRESSURE AREA MAY BE OPENED AS NEEDED TO FURTHER REDUCE THE PRESSURE. THE WATER MAIN TRENCH SHALL BE OVER-EXCAVATED TO ALLOW WATER IN THE TRENCH TO BE PUMPED OUT AND MAINTAINED BELOW THE LEVEL OF THE WATER MAIN. THE REPAIR SHALL BE COMPLETED WITH THE WATER MAIN PRESSURE REMAINING POSITIVE. AFTER THE REPAIR IS MADE, THE SYSTEM SHALL BE FULLY PRESSURIZED AND A VISUAL LEAK INSPECTION WILL BE COMPLETED. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF)
- 25.2. REPAIR/CUT-IN WITH DEPRESSURIZATION -TRENCH SHALL BE OVER EXCAVATED AND DEWATERED BELOW THE WATER MAIN. FLUSH WATER FROM PIPE FROM EACH DIRECTION UNTIL IT RUNS CLEAR. IMMEDIATELY PRIOR TO INSTALLATION OF A NEW PIPE SECTION FOR REPAIR OR CUT IN TEE. ALL NEW FITTINGS AND PIPE SPOOLS SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION (MINIMUM). THE INTERIOR OF THE EXISTING PIPE SHALL BE SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION AT LEAST 6 FEET IN EACH DIRECTION FROM EXPOSED CU ENDS. THE WATER MAIN IN THE AFFECTED AREA SHALL BE FLUSHED TO ACHIEVE THREE PIPE VOLUMES PULLED FROM THE PIPE (DISTANCE MEASURED FROM THE VALVE OPENED FOR FLUSHING TO THE EXIT HYDRANT OR BLOWOFF). CUSTOMERS SHALL BE NOTIFIED AFTER THE WATER MAIN IS FLUSHED AND REPAIRS HAVE BEEN COMPLETED, AS OUTLINED IN THE "WATER MAIN BREAK PROCEDURE."

26. NEW WATER MAIN INSTALLATION:

STANDARD DETAIL 06.01.01.

- 26.1. EACH NEW WATER MAIN SECTION SHALL BE DELIVERED, STACKED AND STORED ONSITE WITH ENDS PLUGGED. THE PLUGS SHALL REMAIN IN THE PIPE UNTIL EACH PARTICULAR SECTION IS INSTALLED. NATIONAL SANITATION FOUNDATION (NSF) APPROVED SIXTY-FIVE PERCENT (65%) CALCIUM HYPOCHLORITE SHALL BE ADDED TO THE UPSTREAM END OF EACH PIPE SECTION, AND AT EACH HYDRANT TEE IN THE AMOUNT GIVEN IN THE TABLE BELOW (OR PER APPROVED MANUFACTURER SPECIFICATIONS). THE MINIMUM AMOUNT OF CALCIUM HYPOCHLORITE ADDED SHOULD BE SUFFICIENT TO ACHIEVE A 50 MG/L CONCENTRATION WITHIN THE IMPACTED AREA.
- 26.2. NEW WATER MAINS SHALL BE FILLED USING AN APPROVED BACKFLOW PREVENTION ASSEMBLY. THE WATER MAIN SHALL BE FILLED FROM THE LOWER ELEVATION END SO THAT AS THE WATER MAIN IS FILLED. THE CHORINE IS CONTACTED. DISSOLVED AND SPREAD RELATIVELY UNIFORM THROUGH THE LENGTH OF THE NEW WATER MAIN. THE FILL RATE SHALL BE MINIMIZED SO THAT THE VELOCITY OF THE WATER IS LESS THAN 1 FT/SEC (SEE TABLE ABOVE). SUCCESSFUL PRESSURE TEST AND BACTERIOLOGICAL TESTS SHALL BE COMPLETED AND PROVIDED TO THE CITY PRIOR TO ANY NEW MATER MAIN CONNECTION TO THE EXISTING WATER SYSTEM.
- 26.3. THE CHLORINATED WATER WILL BE ALLOWED TO REMAIN IN CONTACT WITH THE NEW WATER MAIN SYSTEM FOR 24 TO 72 HOURS. AFTER 24 HOURS, WATER MAY BE ADDED TO THE WATER MAIN FOR THE PURPOSES OF PRESSURE TESTING. THE WATER IN THE MAIN USED FOR PRESSURE TESTING MUST REMAIN IN THE WATER MAIN UNTIL PRESSURE TEST IS COMPLETED. IF NECESSARY, LIQUID CHLORINE SHALL BE INJECTED INTO THE WATER MAIN WITH FILL WATER TO MAINTAIN A CONCENTRATION IN THE WATER MAIN ABOVE 50 MG/L. UNDER NO CIRCUMSTANCE SHALL "SUPER" CHLORINATED WATER BE ALLOWED TO SIT WITHIN A NEW WATER MAIN FOR MORE THAN 5 DAYS.

- 26.4. PRESSURE TESTING INCLUDES TESTING AGAINST NEW VALVES AND HYDRANTS. EACH VALVE SHALL BE TESTED BY CLOSING EACH IN TURN AND REDUCING THE PRESSURE BEYOND THE VALVE. THE PRESSURE ON THE BACK SIDE OF THE VALVE SHOULD NOT BE ELIMINATED. CARE MUST BE TAKEN THAT, DURING THIS PROCESS, POSITIVE PRESSURE REMAINS THROUGHOUT THE SYSTEM BEING TESTED AT ALL TIMES. ALL HYDRANT FOOT VALVES SHALL BE OPEN DURING PRESSURE TESTING SO THAT THE PRESSURE TEST IS AGAINST THE HYDRANT VALVE. PRESSURE TESTING WILL NOT BE ALLOWED AGAINST ANY EXISTING VALVES.
- REMOVE ALL "SUPER" CHLORINATED WATER FROM THE NEW WATER MAIN. FLUSHING OF NEW OR EXTENDED WATER MAINS SHALL BE CONDUCTED PER WSDOT SPECIFICATION 7-09.3(24)A WITH A MINIMUM VELOCITY DEVELOPED WITHIN THE PIPE WHILE FLUSHING OF 2.5 FEET PER SECOND (FPS) ALL FLUSHED WATER SHALL BE DECHLORINATED PRIOR TO DISPOSAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL CHLORINATED WATER FLUSHED FROM MAINS. THE CITY SHALL UTILIZE ONSITE DISPOSAL METHODS, IF AVAILABLE. DISPOSAL OF FLUSH WATER TO THE SANITARY BE BETWEEN 6.5 AND 8.5, AND VOLUMETRICALLY AND VELOCITY CONTROLLED TO PREVENT ANY RESUSPENSION OF SEDIMENTS. THE CITY WILL REQUIRE INDEPENDENT TESTING THROUGHOUT THE WATER DISCHARGE PROCESS TO ENSURE COMPLIANCE OF THESE STANDARDS ARE MET.
- 26.6. SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED AFTER FLUSHING AND AGAIN 24
- 26.7. ALL CLOSURE/FINAL CONNECTION FITTINGS SHALL BE SPRAYED CLEAN AND THEN SWABBED WITH A FIVE PERCENT (5%) CHLORINE SOLUTION IMMEDIATELY PRIOR TO INSTALLATION PER AWWA STANDARD C651. ADDITIONAL SAMPLES FOR BACTERIOLOGICAL ANALYSIS SHALL BE COLLECTED FROM THE IMMEDIATE VICINITY OF THE NEW OR REPLACED WATER MAIN AND ANALYZED AFTER THE FINAL CONNECTIONS ARE MADE. IF NECESSARY, ADDITIONAL FLUSHING SHALL BE CONDUCTED AND

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"). WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS
- 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
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- PROTECTED FROM SEDIMENTS.
- 11. CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF
- 12. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- 14.B. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
- 14.E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE
- 15. TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO.

406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.

CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION

26.5. AFTER SUCCESSFUL PRESSURE TESTING, THE WATER MAIN SHALL BE THOROUGHLY FLUSHED TO

APPROVE THE DISPOSAL METHOD PRIOR TO IMPLEMENTATION IN THE FIELD. THE CONTRACTOR SHALL SEWER SYSTEM SHALL NOT BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE WATER POLLUTION CONTROL PLANT (WPCP) SUPERVISOR. ANY PLANNED DISCHARGE TO A STORMWATER SYSTEM SHALL BE DECHLORINATED TO A CONCENTRATION OF 0.1 PPM OR LESS. PH ADJUSTED (IF NECESSARY) TO

HOURS AFTER THE FIRST SET OF SAMPLES.

ADDITIONAL SAMPLES SHALL BE COLLECTED UNTIL SATISFACTORY RESULTS ARE OBTAINED.

CITY OF PUYALLUP STORMWATER NOTES

- REFERRED TO AS THE "CITY STANDARDS").
- SHALL BE ON SITE DURING CONSTRUCTION.
- CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 8. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE
- 9. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND
- 10. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- THE STORM PIPE.
- 13. CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC
- 14. STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE
- 14.A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
- 14.C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET. 14.D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- 16. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF
- 18. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR

17. ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH

THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF

THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER

OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED

SHOULD OCCUR. THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO

OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE

UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION.

UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS

RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

UTILITY CONFLICT NOTE:

APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING

E: THIS APPROVAL IS VOID FTER 180 DAYS FROM APPROVAL HE CITY WILL NOT BE RESPONSIBLE FOR ERRORS ND/OR OMISSIONS ON THESE

ETERMINED BY THE

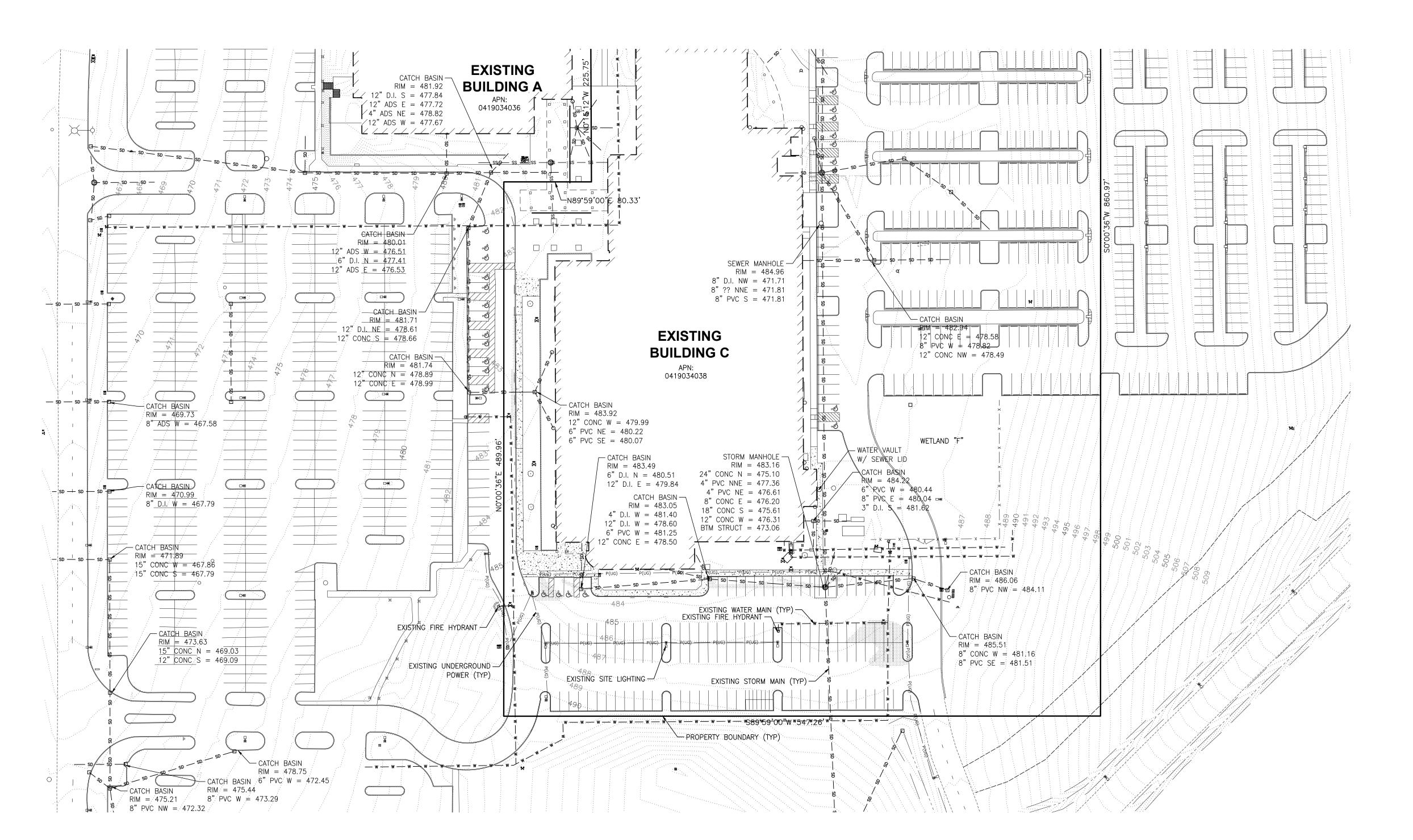
DEVELOPMENT ENGINEERING

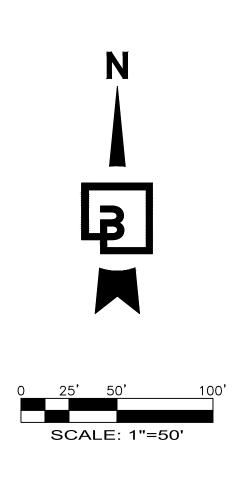
FIELD CONDITIONS MAY DICTATE HANGES TO THESE PLANS AS \sim

EXISTING CONDITIONS

PUYALLUP PUBLIC SAFETY BUILDING

A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON





10

CALL BEFORE YOU DIG:

1-800-424-5555 OR "811"

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

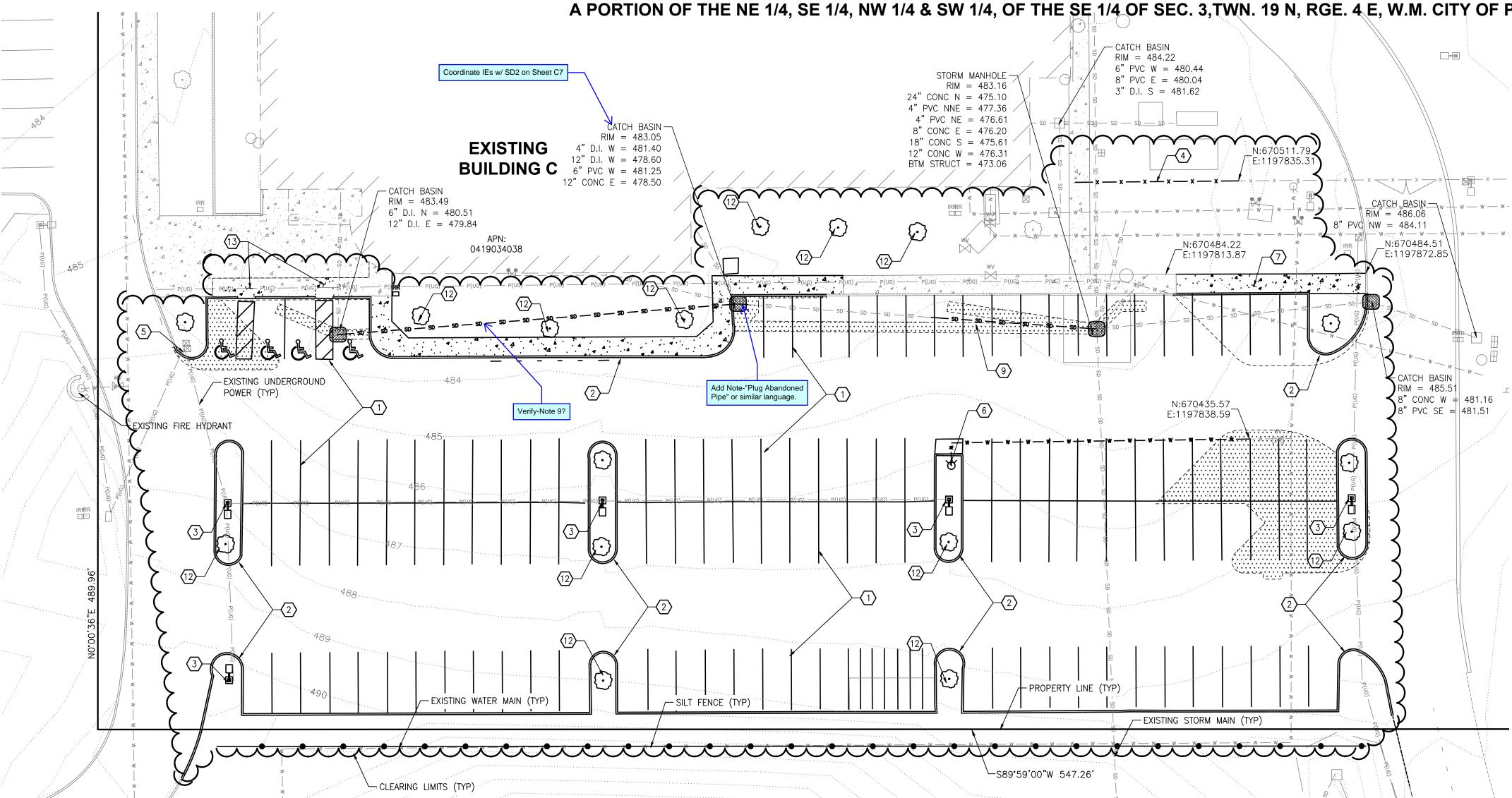
APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING OTE: THIS APPROVAL IS VOID

ETERMINED BY THE

DEVELOPMENT ENGINEERING

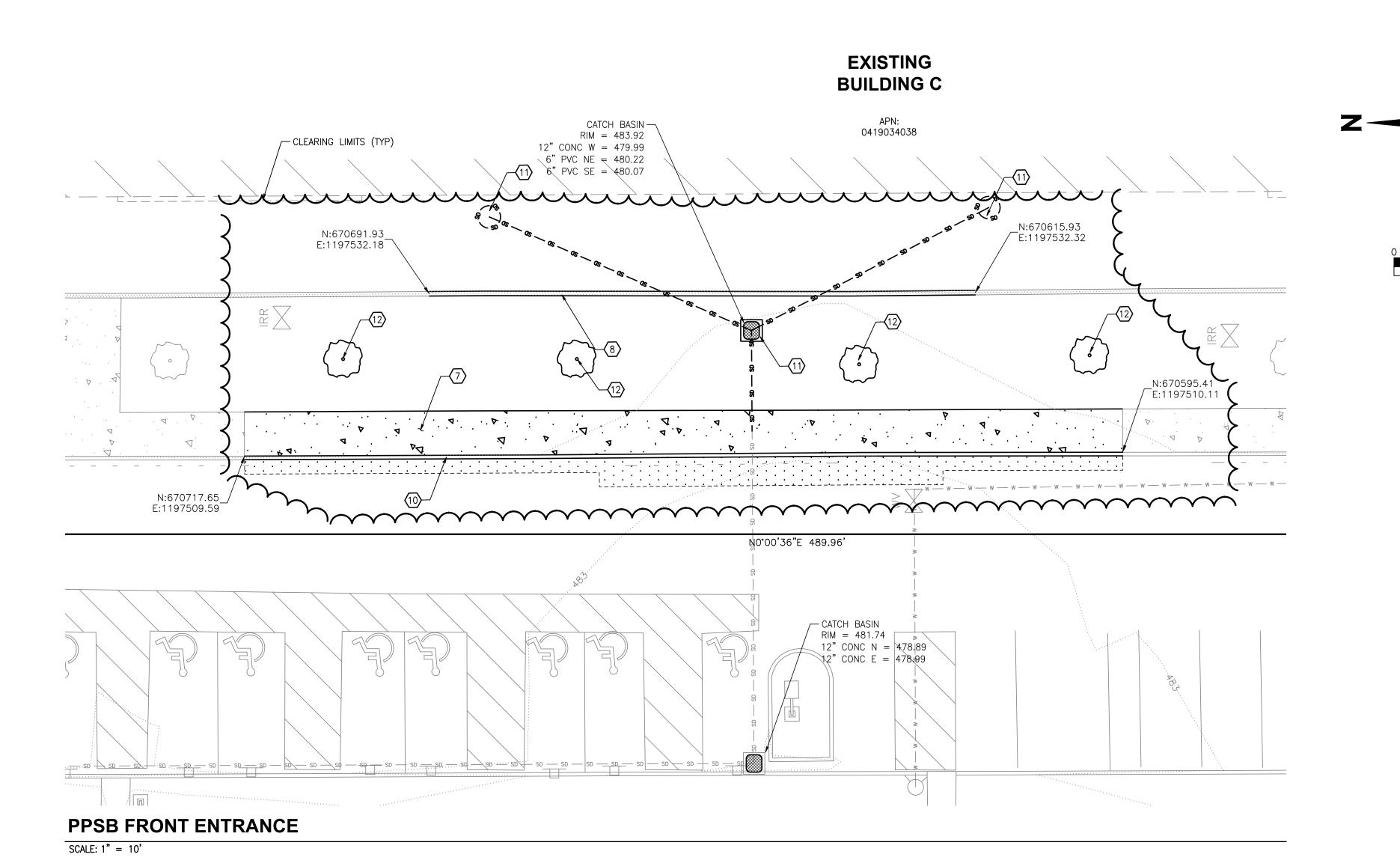
AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS

A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



PPSB SOUTH PARKING LOT

SCALE: 1" = 20'



EROSION CONTROL NOTE

SCALE: 1"=20'

ALL EROSION CONTROL BMPS SHALL COMPLY WITH THE CITY OF PUYALLUP STANDARD DETAILS AND THE 2019 WASHINGTON STATE DEPARTMENT OF ECOLOGY WESTERN WASHINGTON STORMWATER MANUAL. THE PROTECTION FOR THE SLOPES SHALL BE INSTALLED AS SOON AS PRACTICABLE AND PRIOR TO CALLING FOR FINAL APPROVAL. AREAS ADJACENT TO THIS PROJECT ARE CURRENTLY UNDER CONSTRUCTION OR PLANNED FOR CONSTRUCTION IN THE NEAR FUTURE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING SITE CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

DUST CONTROL NOTES

- 1. THE CONTRACTOR SHALL MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER AND OTHER TEMPORARY STABILIZATION PRACTICES SUCH AS SEEDING, MULCHING, OR EROSION
- 2. DURING CONSTRUCTION IN THE DRY SEASON, SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE AREA IS WET. REPEAT THE PROCESS AS NEEDED
- 3. ALL TRUCKS TRANSPORTING FINE MATERIAL TO THE PROJECT SITE MUST BE COVERED TO PREVENT DUST FROM BLOWING FROM THE TRUCKS.

CLEARING NOTES

- 1. SCHEDULE AND LIMIT REMOVAL OF EXISTING VEGETATION AND GROUND COVER TO THE MINIMUM EXTENT FEASIBLE WITHIN THE ACTIVE WORK AREA.
- 2. ALL TOPSOIL (IF FOUND) SHALL REMAIN ON-SITE AND BE UTILIZED FOR SITE RESTORATION FOLLOWING COMPLETION OF GRADING ACTIVITIES.
- 3. THE GEOTECHNICAL ENGINEER SHALL BE ON-SITE DURING ALL STRIPPING AND GRUBBING OPERATIONS TO VERIFY CONDITION OF THE SUBGRADE SOILS
- AND REMOVAL OF ALL ORGANIC MATERIAL, STUBS, UNCONTROLLED FILL, ECT. 4. THE GEOTECHNICAL ENGINEER SHALL OBSERVE AND TEST FILL MATERIAL AS

TESC LEGEND

AND 02.03.06 ON SHEET C5

LIMITS OF CLEARING

SCALE: 1"=10'

.

SILT FENCE PER CITY OF PUYALLUP STANDARD DWG 02.03.02 ON SHEET C5 CATCH BASIN INLET PROTECTION PER CITY OF PUYALLUP STANDARD DWG 02.03.05

GENERAL DEMOLITION NOTES

REQUIRED TO CERTIFY THE COMPLETED FILLS.

- CONTRACTOR SHALL ASSURE THAT ALL NECESSARY PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCING WORK, INCLUDING DEMOLITION AND ANY SEWER CAPPING PERMITS. FIRE PROTECTION DEMOLITION PERMIT, IF REQUIRED, IS ISSUED BY FIRE DEPARTMENT. SEPARATE PERMITS ARE REQUIRED FOR EACH BUILDING AS WELL AS SEPARATE SEWER CAPPING PERMIT.
- 2. ANY HAZARDOUS SUBSTANCES AND/OR MATERIALS ENCOUNTERED SHALL BE HANDLED AND DISPOSED OF BY QUALIFIED PERSONNEL ACCORDING TO COUNTY, STATE AND FEDERAL REGULATIONS.
- 3. ANY ENCOUNTERED UNDERGROUND TANKS, VAULTS, ETC., SHALL BE REMOVED PER COUNTY/STATE REGULATIONS. CRAWL SPACES, TUNNELS, TANK HOLES, ETC., SHALL BE BACKFILLED AND COMPACTED PER GEOTECHNICAL ENGINEERS
- 4. CONTRACTOR SHALL CONFIRM AND VERIFY WORK SCOPE ITEMS TO DEMOLISH WITH THE OWNERS AUTHORIZED REPRESENTATIVE.

DEMOLITION KEYNOTES

- PARKING LOT STRIPING TO BE GROUND DOWN/REMOVED
- (2) EXISTING LANDSCAPE ISLANDS TO BE REMOVED
- EXISTING SITE LIGHTING TO BE REMOVED
- SHEET C6 FOR REPLACEMENT.
- ADJUSTED TO FINISHED GRADE. EXISTING HYDRANT TO BE RELOCATED. CONTRACTOR TO
- ADJUSTED TO FINISHED GRADE
- EXISTING WALK TO BE REMOVED
- EXISTING RETAINING WALL TO BE REMOVED. REFER TO LANDSCAPE LAYOUT L1.20 FOR LOCATION OF WALL DEMO.
- CONTRACTOR TO FILL ABANDONED PIPE WITH CDF. PATCH
- EXISTING CATCH BASIN, STORM DRAIN LINE AND CLEAN OUTS
- (12) EXISTING LANDSCAPING TO BE REMOVED
 - EXISTING BARRIER FREE PARKING STRIPING TO BE GROUND

WET SEASON NOTES

MEASURES DAILY.

- THE FOLLOWING BMPS SHALL APPLY TO ALL GRADING AND CLEARING ACTIVITY PERFORMED BETWEEN OCTOBER 1 AND MARCH 31:
- 1. GRADING ACTIVITIES AND CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
- 2. EXPOSED SOILS SHALL BE COVERED WITHIN 2 DAYS USING DAM MULCH, SOD, HOG FUEL, PLASTIC OR OTHER APPROVED PROTECTED COVER.
- 3. THE CONTRACTOR SHALL INSPECT AND MAINTAIN SEDIMENT CONTROL
- 3.1. THE CONTRACTOR SHALL REPLACE AND DAMAGED BMPS AND UPGRADE MEASURES BASED ON WEATHER CONDITIONS. THE CONTRACTOR SHALL REMOVE SEDIMENT ACCUMULATION ONCE DEPTH
- 4. INSTALL COIR LOG, ROCK OR STRAW BALE CHECK DAMS EVERY 100 FEET ON CENTER ALONG ALL DRAINAGE INTERCEPTOR DITCHES.
- 5. EROSION CONTROL MATERIALS ARE TO BE STOCKPILED ON SITE PRIOR TO ANY SITE ACTIVITIES.
- 6. DURING STORM EVENTS, NO ACTIVITY WILL OCCUR ON SITE, EXCEPT WORK ON EROSION CONTROL.

EROSION AND SEDIMENTATION CONTROL BMPS:

- GRADING AND CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.
- 2. THE CONTRACTOR SHALL PREVENT THE TRANSPORT OF THE SEDIMENT ONTO PAVED SURFACES DURING CONSTRUCTION. IF SEDIMENT IS TRANSFERRED ONTO A PAVED SURFACE, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CLEAN IT IMMEDIATELY.
- 3. STOCKPILES ARE TO BE LOCATED IN A SAFE AREA AND ADEQUATE COVER
- 4. THE CONTRACTOR SHALL MAINTAIN AND REPAIR AS NECESSARY ALL TEMPORARY AND PERMANENT EROSION CONTROL BMPS TO ASSURE CONTINUED PERFORMANCE.
- 5. ADDITIONAL COIR LOG, MULCH COVER, FILTER BARRIERS, AND/OR BALES MAY BE REQUIRED TO PREVENT/MINIMIZE EROSION AND SEDIMENTATION DURING
- 6. AFTER EACH DAY OF ACTIVITY, ALL IMPACTED STREETS ARE TO BE SWEPT

MACKENZIE I UNION STREET, ATTLE, WASHING

WITHIN 24 HOURS TO PREVENT SOIL LOSSES.

WITH A STREET SWEEPER.

- PORTION OF EXISTING FENCE TO BE REMOVED. REFER TO
- EXISTING ELECTRICAL CONDUIT AND PULL BOXES TO BE
- ISOLATE LINE, REMOVE EXISTING LINE DEPICTED AS DEMO, REFER TO SHEET C7 FOR RELOCATION. EXISTING VALVE TO BE
- EXISTING STORM MAIN TO BE CUT AND ABANDONED IN PLACE. CATCH BASIN INVERTS.
- EXISTING VERTICAL CURB TO BE REMOVED WITHIN THE LIMITS
- TO BE REMOVED WITHIN THE LIMITS SHOWN.
- DOWN/REMOVED. EXISTING RAMPS AND SIGNAGE TO BE

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH

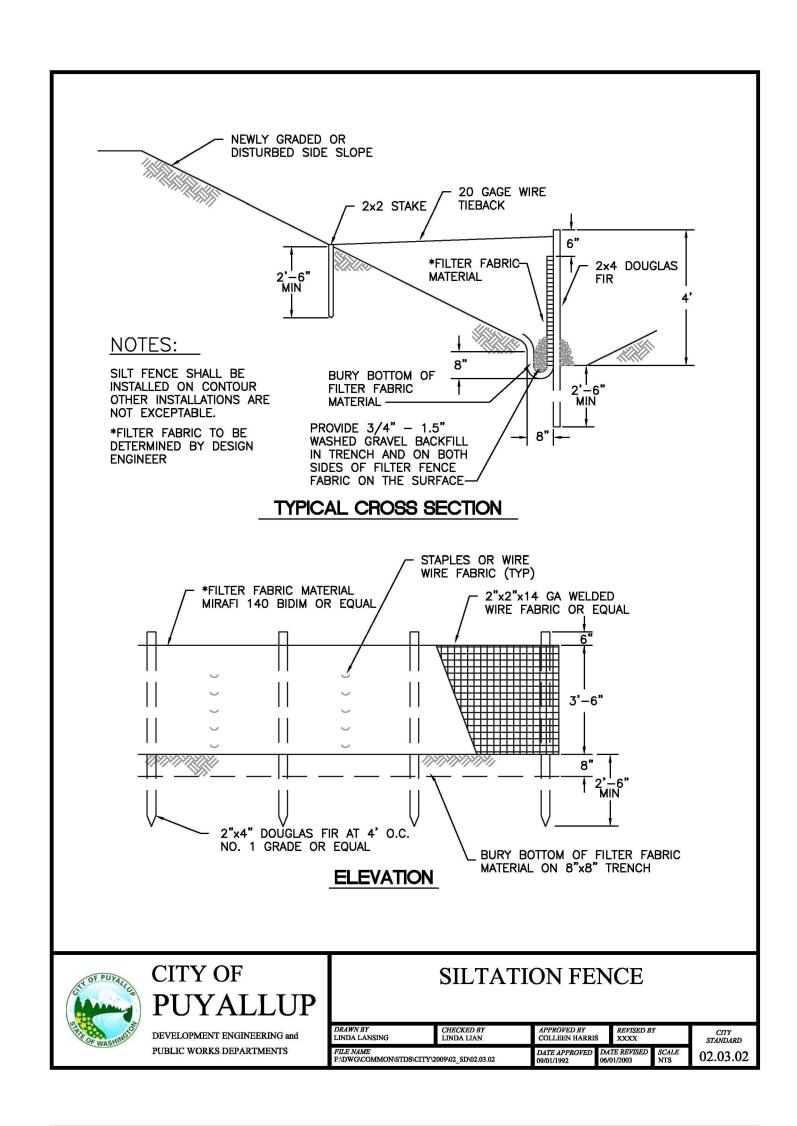
OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS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

CITY OF PUYALLUP DEVELOPMENT ENGINEERING

APPROVED

E: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS ND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE HANGES TO THESE PLANS AS ETERMINED BY THE DEVELOPMENT ENGINEERING

A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON



1. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.

2. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.

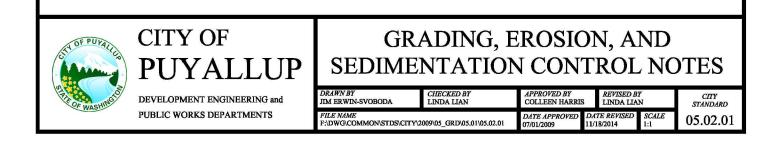
3. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.

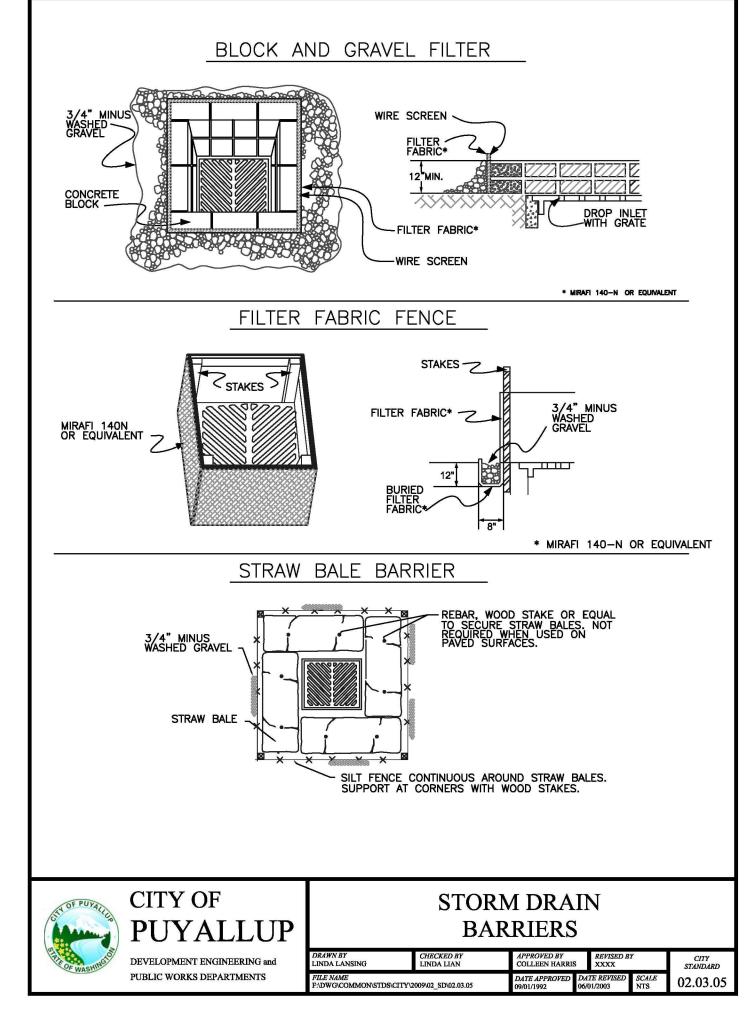
4. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.

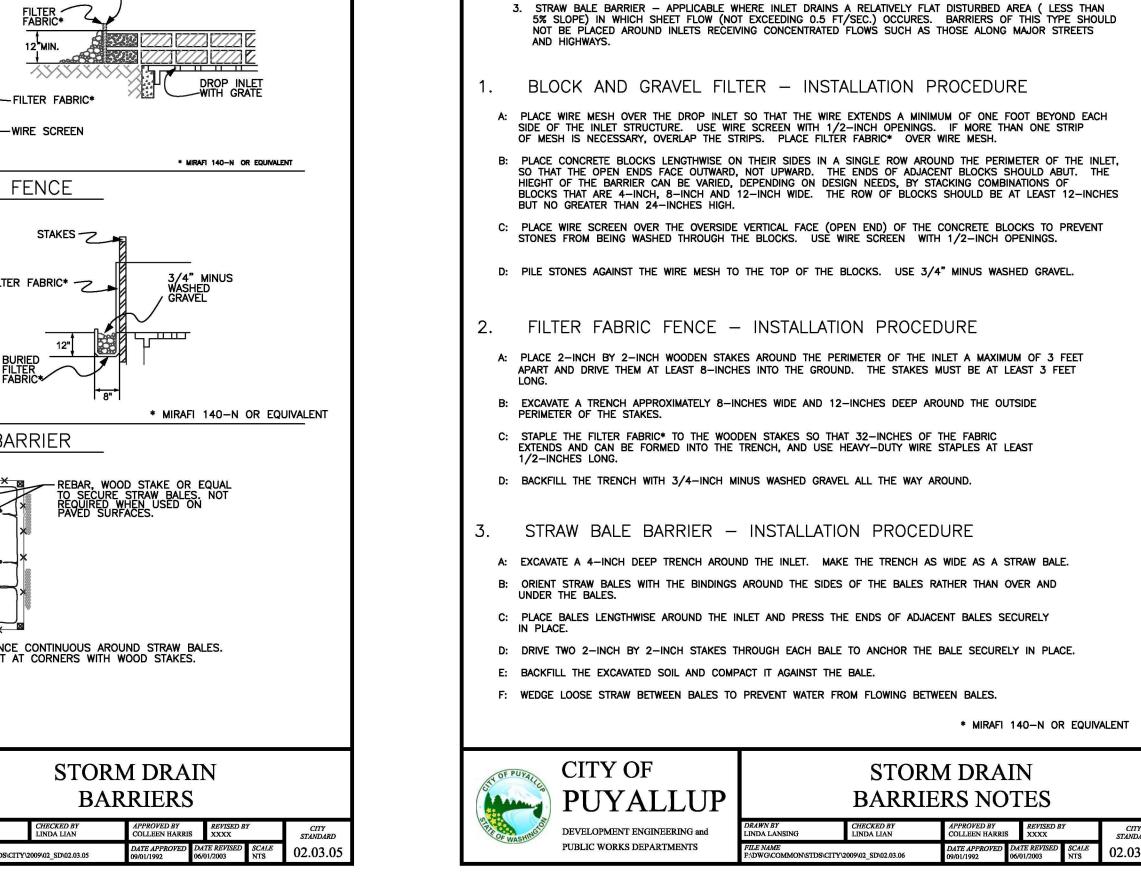
5. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER I IS IN THE INTEREST OF THE PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE

6. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.

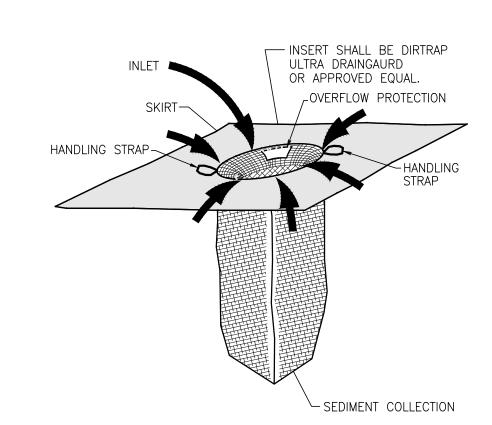
7. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.







CONDITIONS WHERE PRACTICE APPLIES



NOTES: MATERIALS OF CONSTRUCTION

NEEDLE PUNCHED NON-WOVEN GEOTEXTILE MATERIAL. FABRIC IS RESISTANT TO ULTRAVIOLET AND BIOLOGICAL DEGRADATION AND A BROAD RANGE OF CHEMICALS.

APPARENT OPENING SIZE (AOS): 80 US STANDARD SIEVE (0.180 MM) GRAB TENSILE STRENGTH: PUNCTURE STRENGTH: 130 LBS MULLEN BURST: 400 PSI TRAPEZOIDAL TEAR: 85 LBS WATER FLOW RATE: 110 GPM/FT² PERMEABILITY: 0.38 CM/SECOND <u>DIMENSIONS</u> 24" X 36"

SOCK FILTER/SEPARATOR: 10" D X 24" L DISPOSAL REQUIREMENTS

CONSULT FEDERAL, STATE, AND LOCAL REGULATIONS FOR DISPOSAL OF

STANDARD SWPPP NOTES

1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.

- 2. COVER, CONTAINMENT, AND PROTECTION FROM VANDALISM SHALL BE PROVIDED FOR ALL CHEMICALS, LIQUID PRODUCTS, PETROLEUM PRODUCTS, AND NON-INERT WASTES PRESENT ON THE SITE (SEE CHAPTER 173-304 WAC FOR THE DEFINITION OF INERT WASTE). ONSITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
- 3. MAINTENANCE AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, SOLVENT AND DE-GREASING CLEANING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN DISCHARGE OR SPILLAGE OF POLLUTANTS TO THE GROUND OR INTO STORMWATER RUNOFF MUST BE CONDUCTED USING SPILL PREVENTION MEASURES. SUCH AS DRIP PANS. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT. EMERGENCY REPAIRS MAY BE PERFORMED ONSITE USING TEMPORARY PLASTIC PLACED BENEATH AND, IF RAINING. OVER THE VEHICLE.
- 4. MEASURES SHALL BE USED TO PREVENT OR TREAT CONTAMINATION OF STORMWATER RUNOFF BY PH MODIFYING SOURCES. THESE SOURCES INCLUDE, BUT ARE NOT LIMITED TO, BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHING AND CURING WATERS, WASTE STREAMS GENERATED FROM CONCRETE GRINDING AND SAWING, EXPOSED AGGREGATE PROCESSES, AND CONCRETE PUMPING AND MIXER WASHOUT WATERS. STORMWATER DISCHARGES SHALL NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF THE WATER QUALITY STANDARD FOR PH IN THE RECEIVING WATER.

CITY OF PUYALLUP GRADING EROSION AND SEDIMENTATION CONTROL NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- 2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- 3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HERINAFTER REFERRED TO AS THE "CITY STANDARDS").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- 6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION. MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- 9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS,
- OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.
- 11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING. OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING,
- 12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
- 13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED

NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS. 10. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE

NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE:

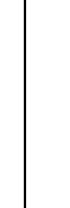
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555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

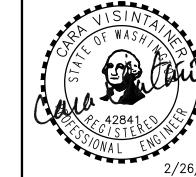
CITY OF PUYALLUP DEVELOPMENT ENGINEERING

APPROVED

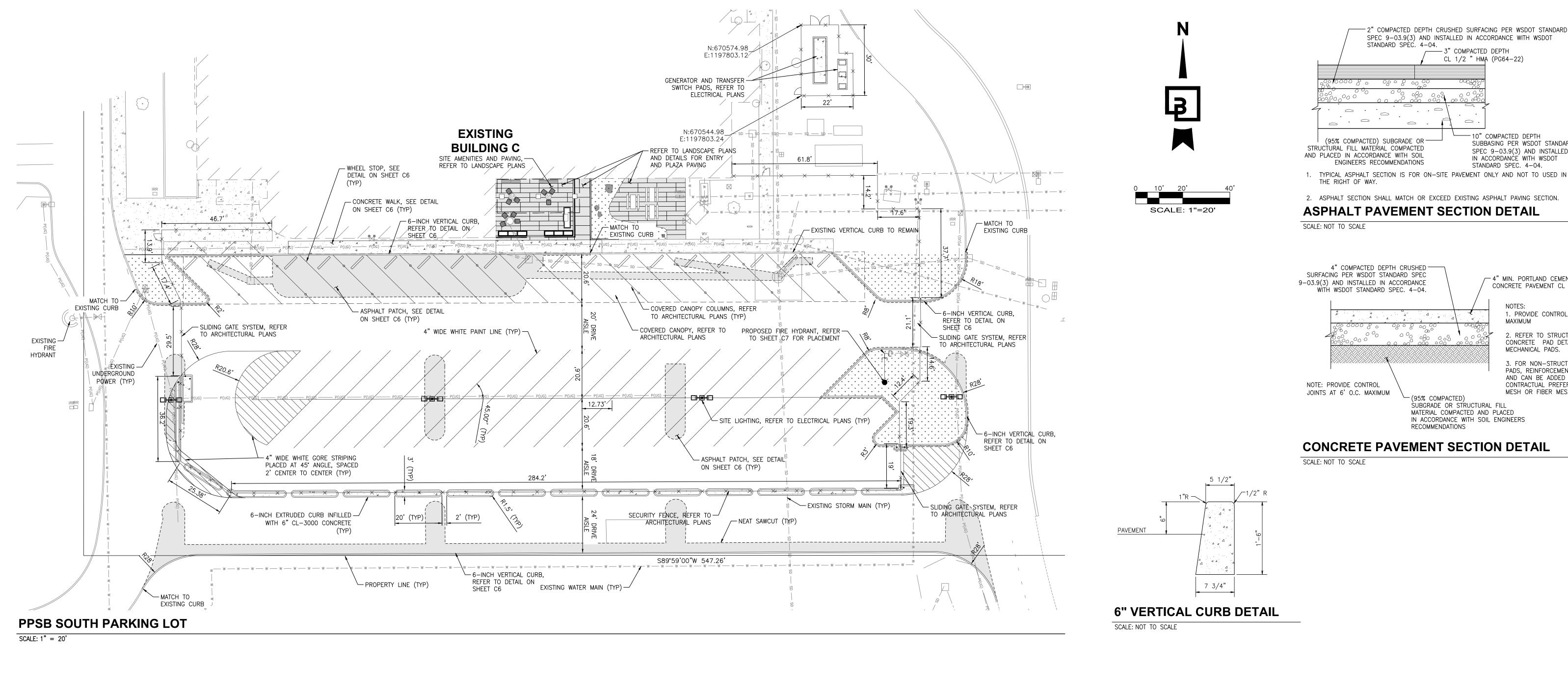
E: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL

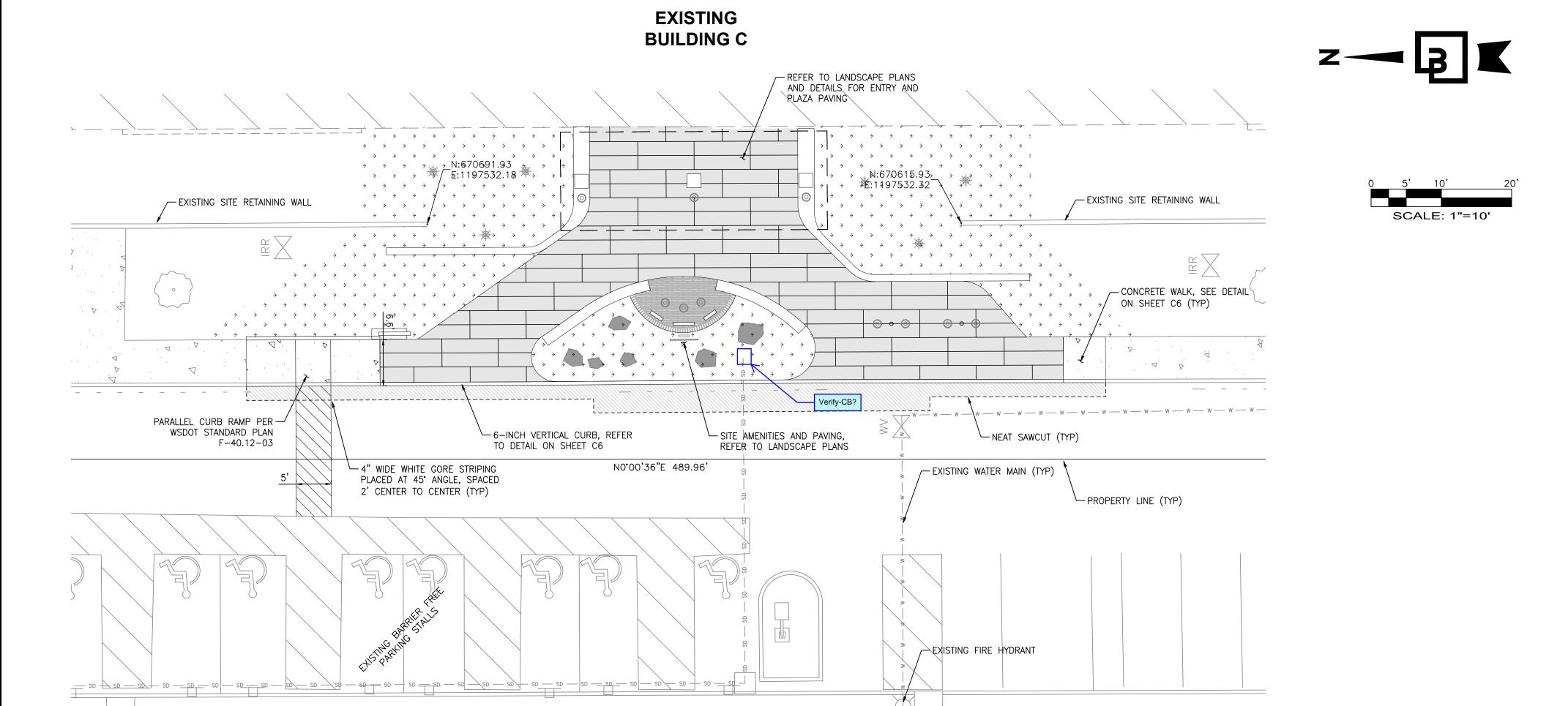
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS ETERMINED BY THE DEVELOPMENT ENGINEERING



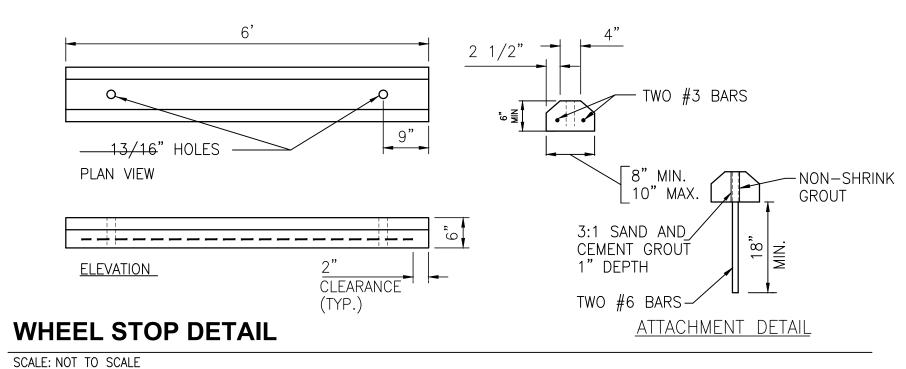


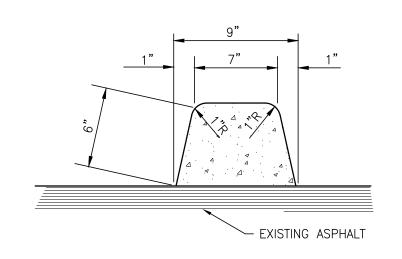
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON





PPSB FRONT ENTRANCE





6" EXTRUDED CURB DETAIL

SCALE: NOT TO SCALE

CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

UTILITY CONFLICT NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH

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

10" COMPACTED DEPTH

SUBBASING PER WSDOT STANDARD

- 4" MIN. PORTLAND CEMENT

MECHANICAL PADS.

MESH OR FIBER MESH.

CONCRETE PAVEMENT CL 3,000

1. PROVIDE CONTROL JOINTS AT 6' O.C.

2. REFER TO STRUCTURAL PLANS FOR CONCRETE PAD DETAILS FOR

3. FOR NON-STRUCTURAL CONCRETE PADS, REINFORCEMENT IS NOT REQUIRED

AND CAN BE ADDED PER OWNER OR

CONTRACTUAL PREFERENCE. USE WIRE

SPEC 9-03.9(3) AND INSTALLED

IN ACCORDANCE WITH WSDOT

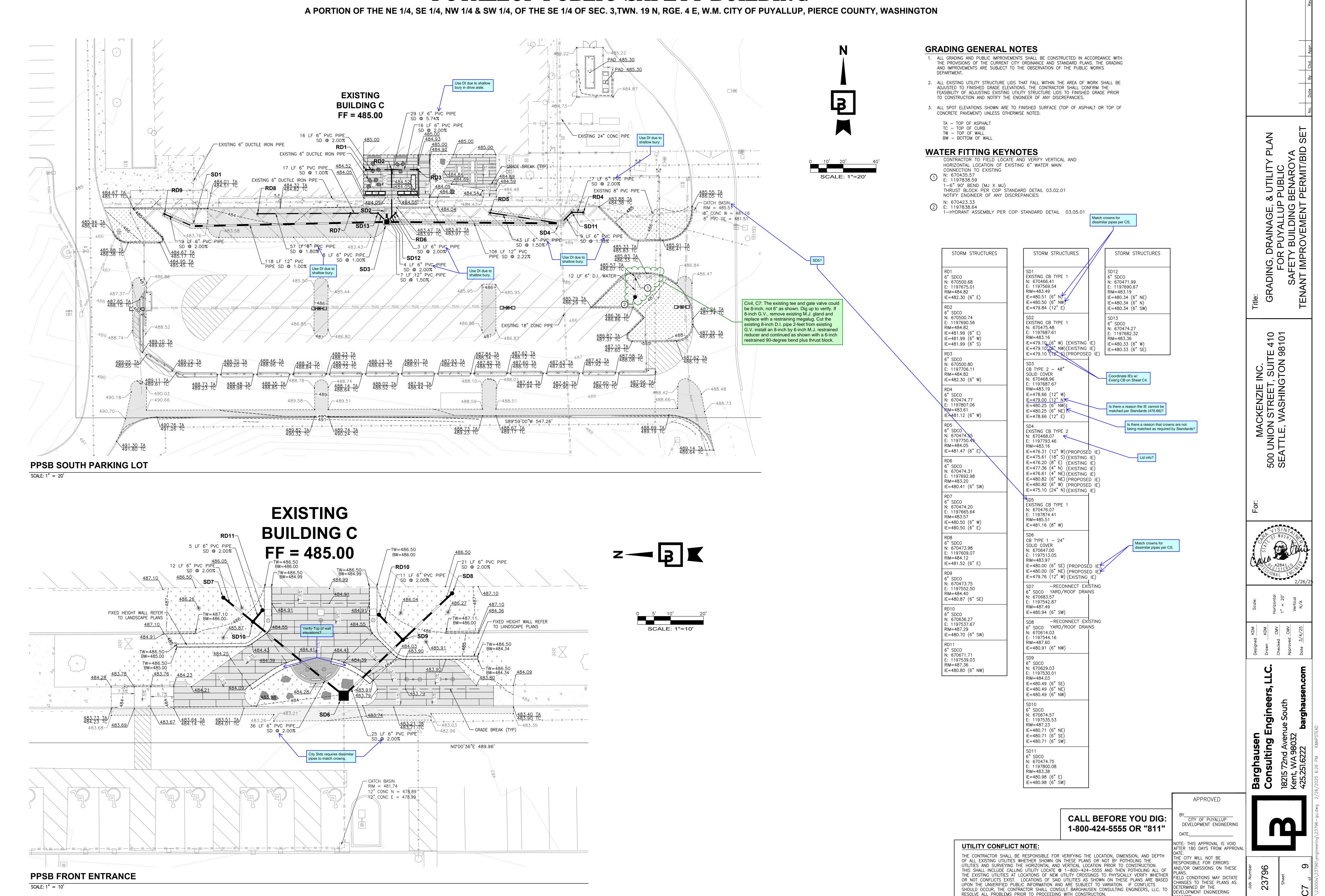
STANDARD SPEC. 4-04.

APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING E: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE

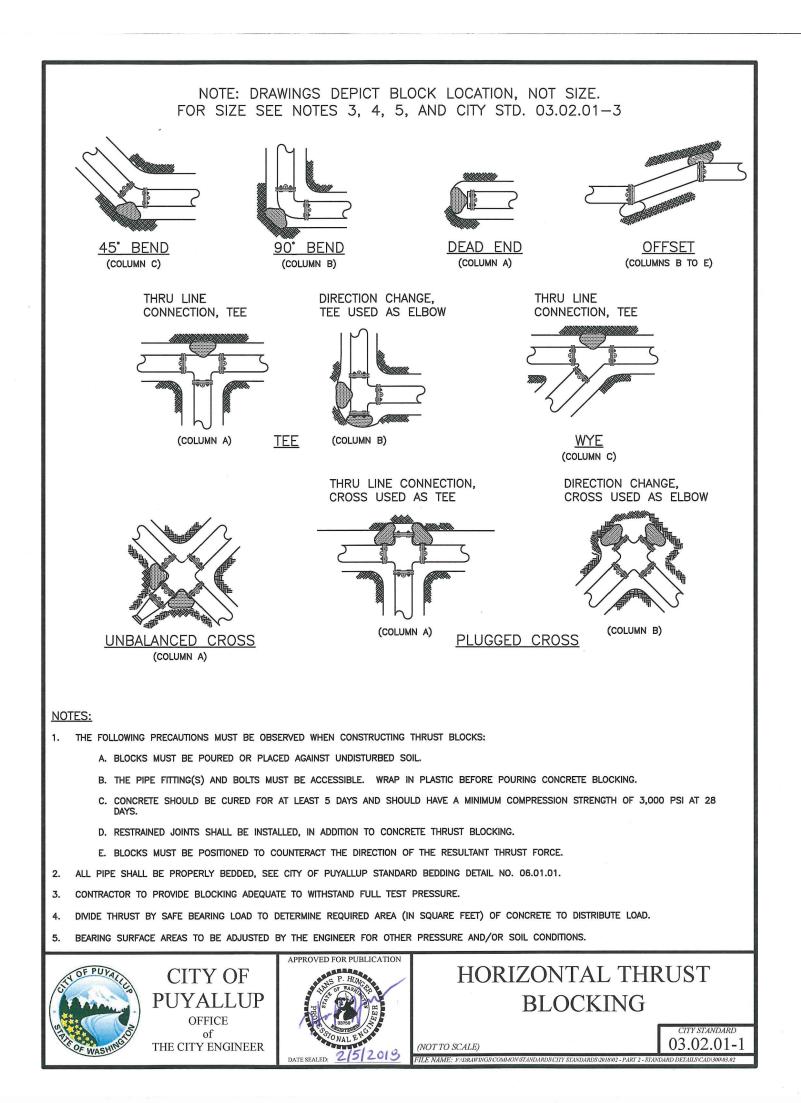
ETERMINED BY THE

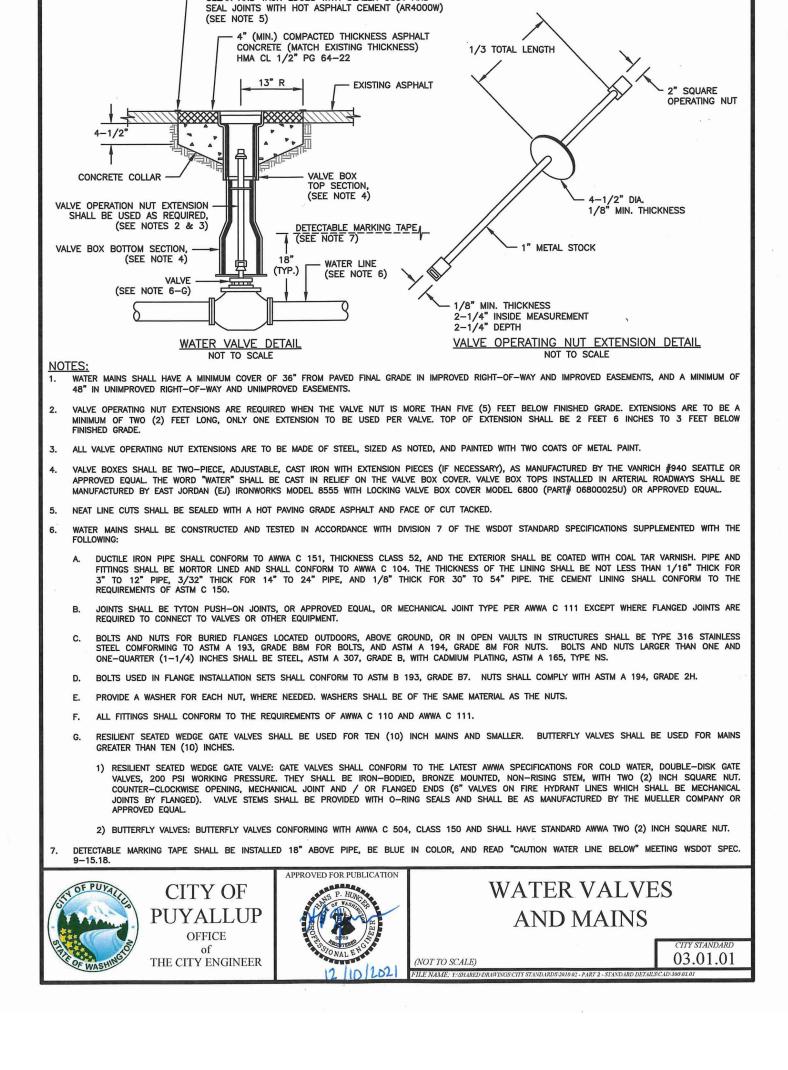
DEVELOPMENT ENGINEERING

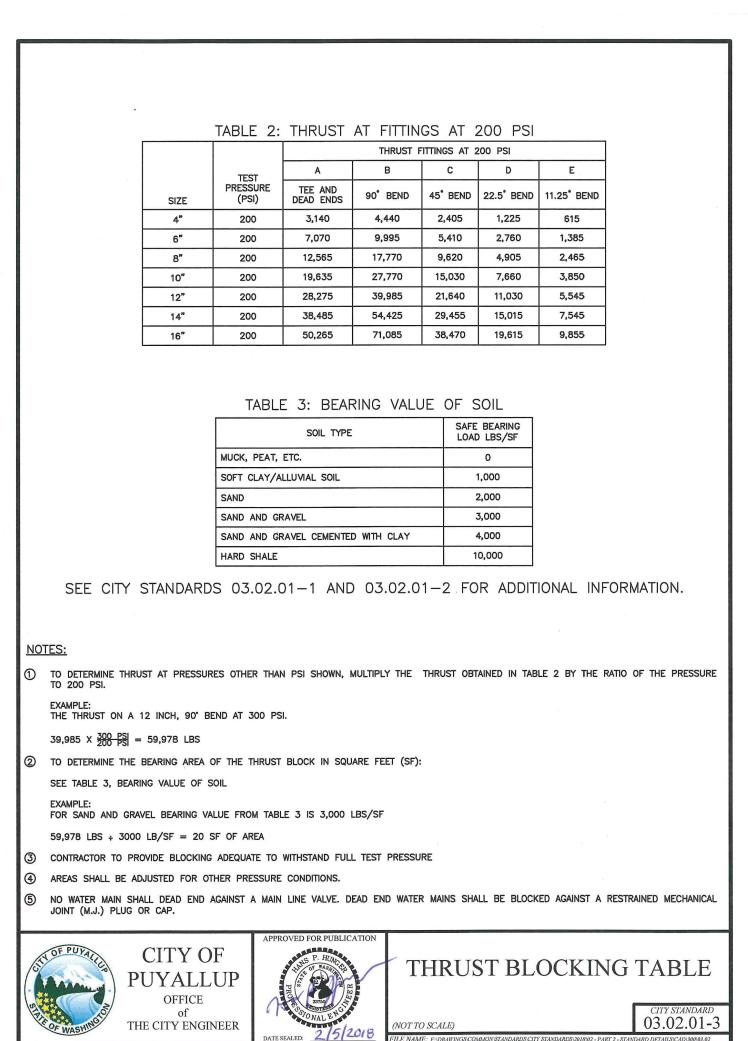
RESPONSIBLE FOR ERRORS ND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE HANGES TO THESE PLANS AS

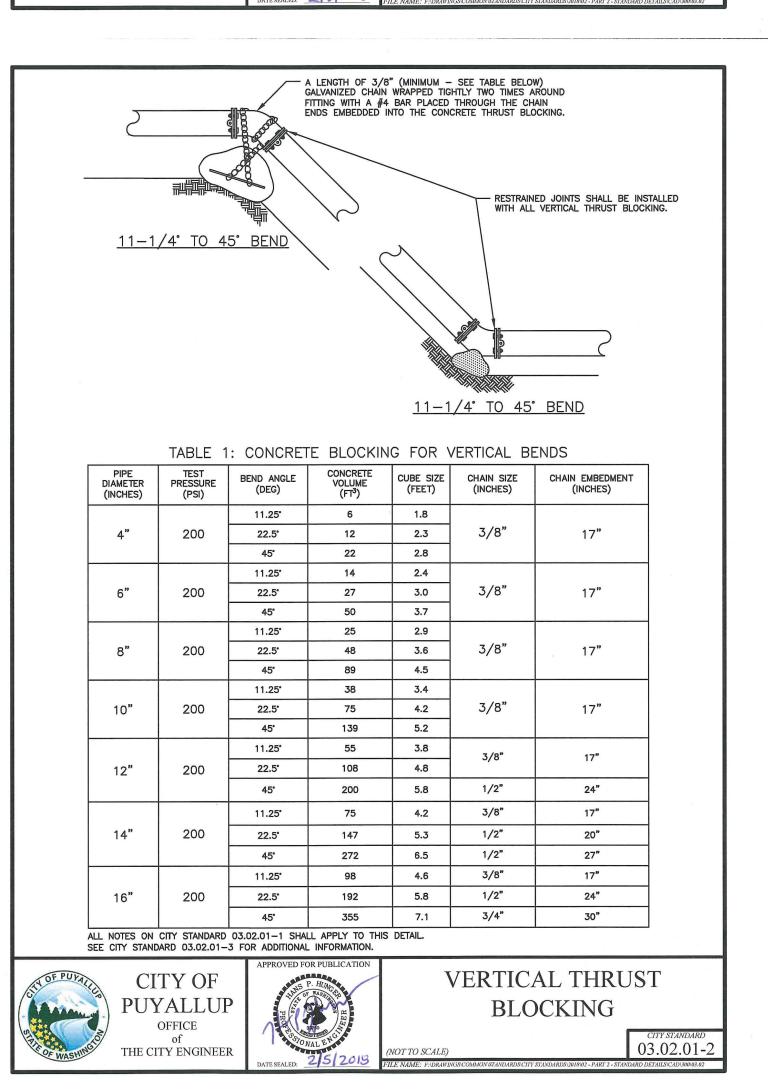


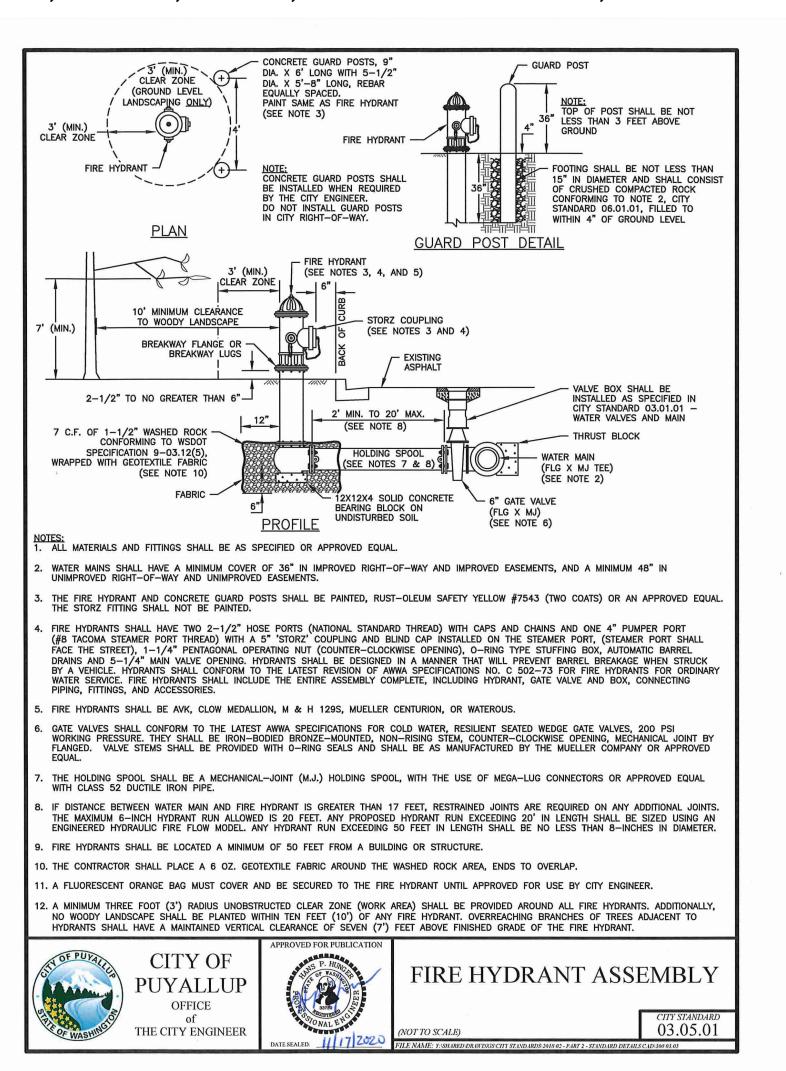
A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

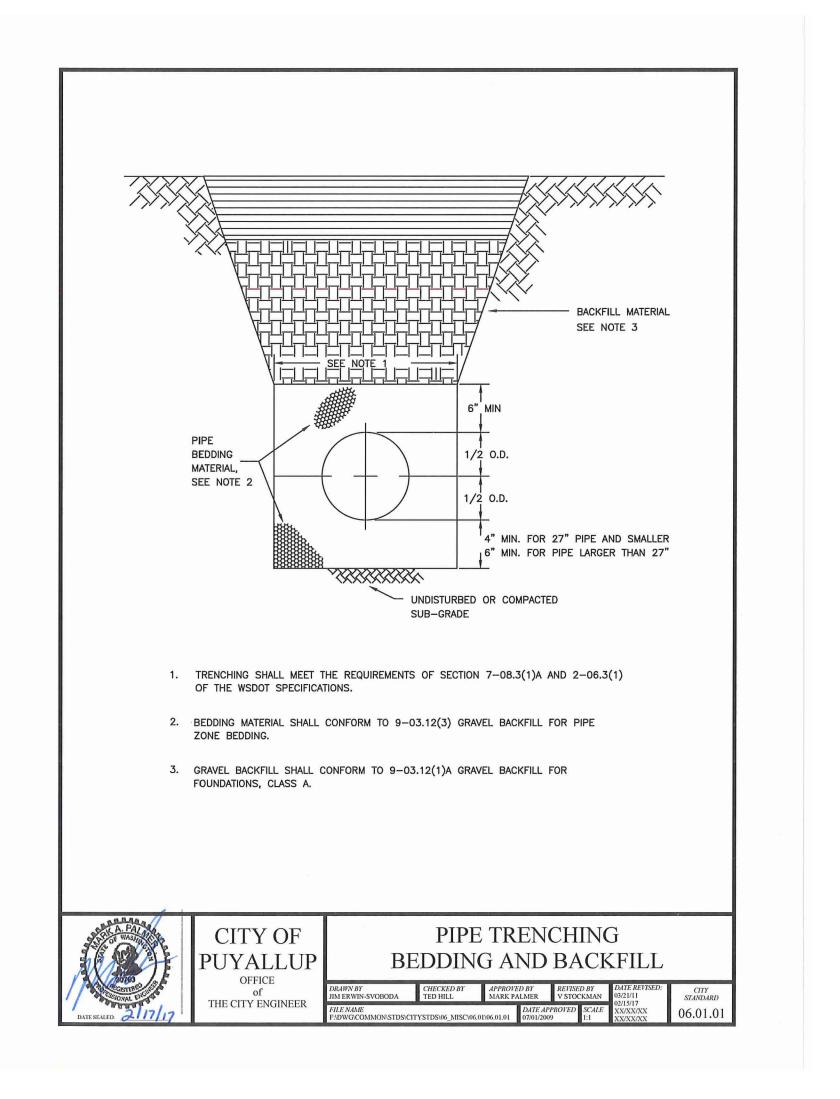


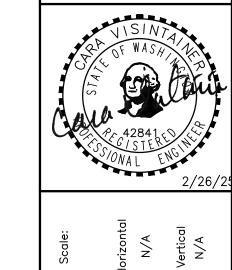


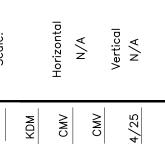












CALL BEFORE YOU DIG: 1-800-424-5555 OR "811"

E: THIS APPROVAL IS VOID

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

APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING

THE CITY WILL NOT BE

ETERMINED BY THE

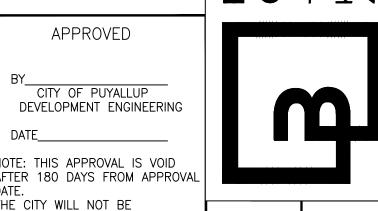
DEVELOPMENT ENGINEERING

RESPONSIBLE FOR ERRORS

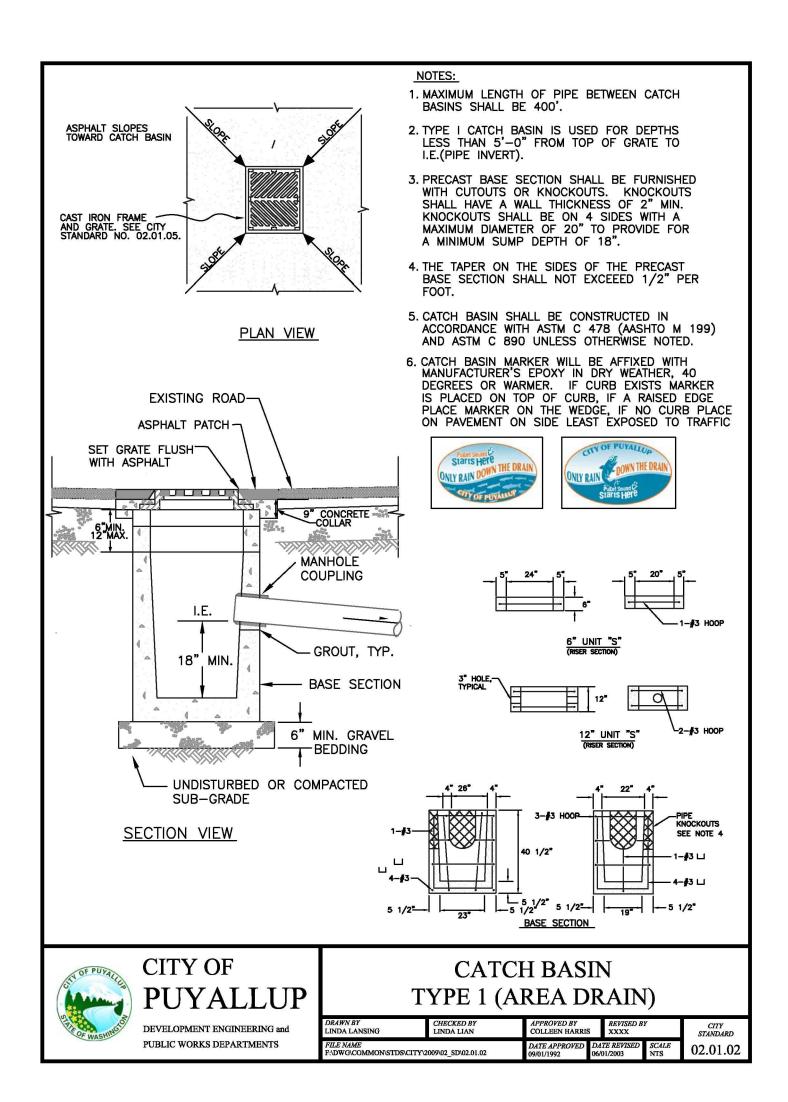
AND/OR OMISSIONS ON THESE

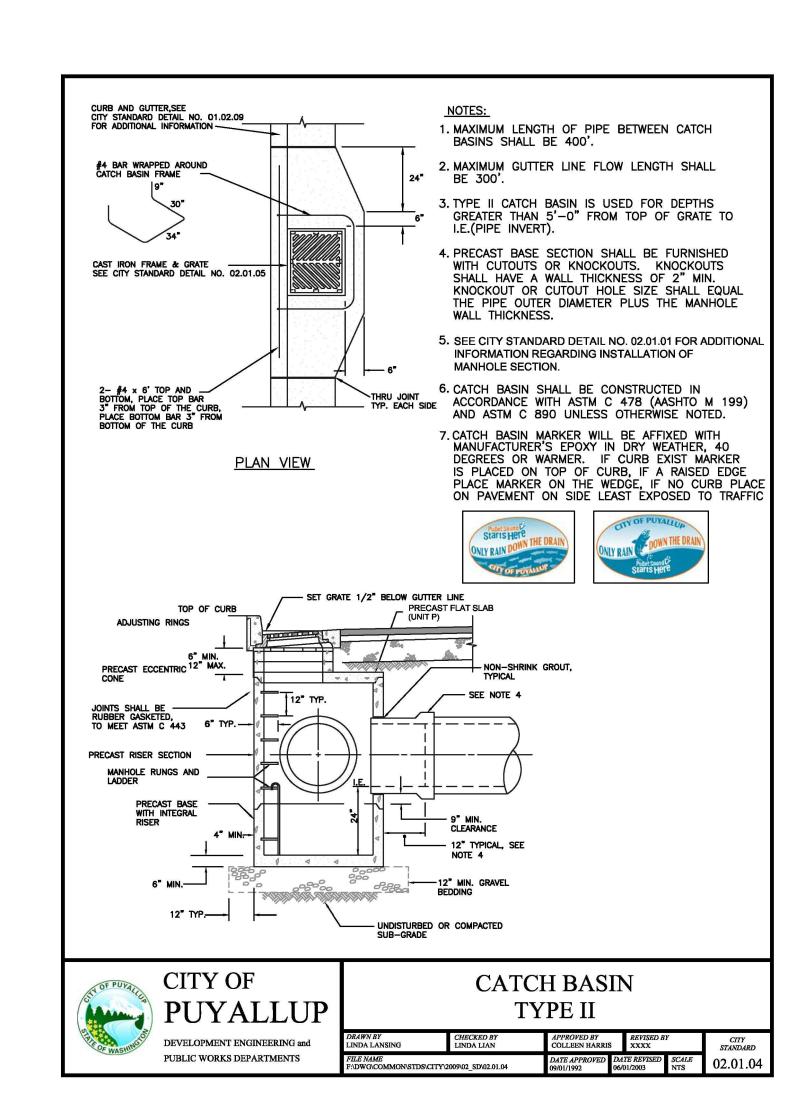
FIELD CONDITIONS MAY DICTATE

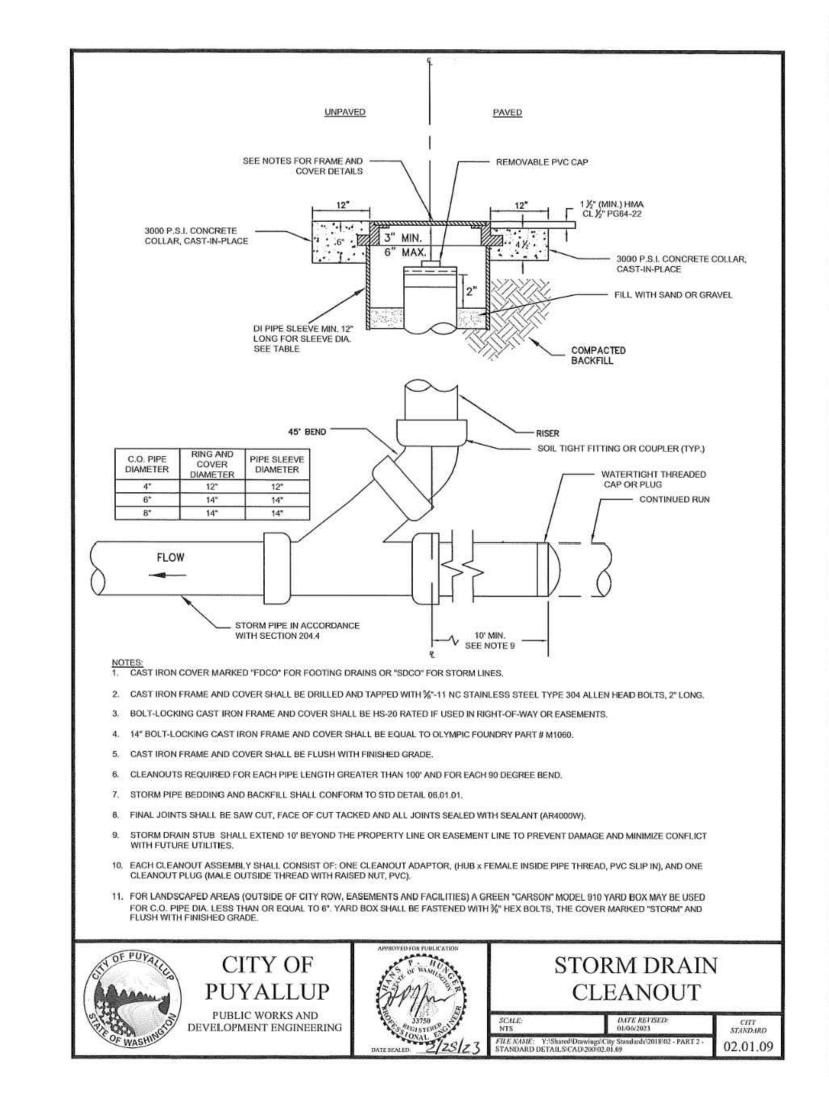
HANGES TO THESE PLANS AS

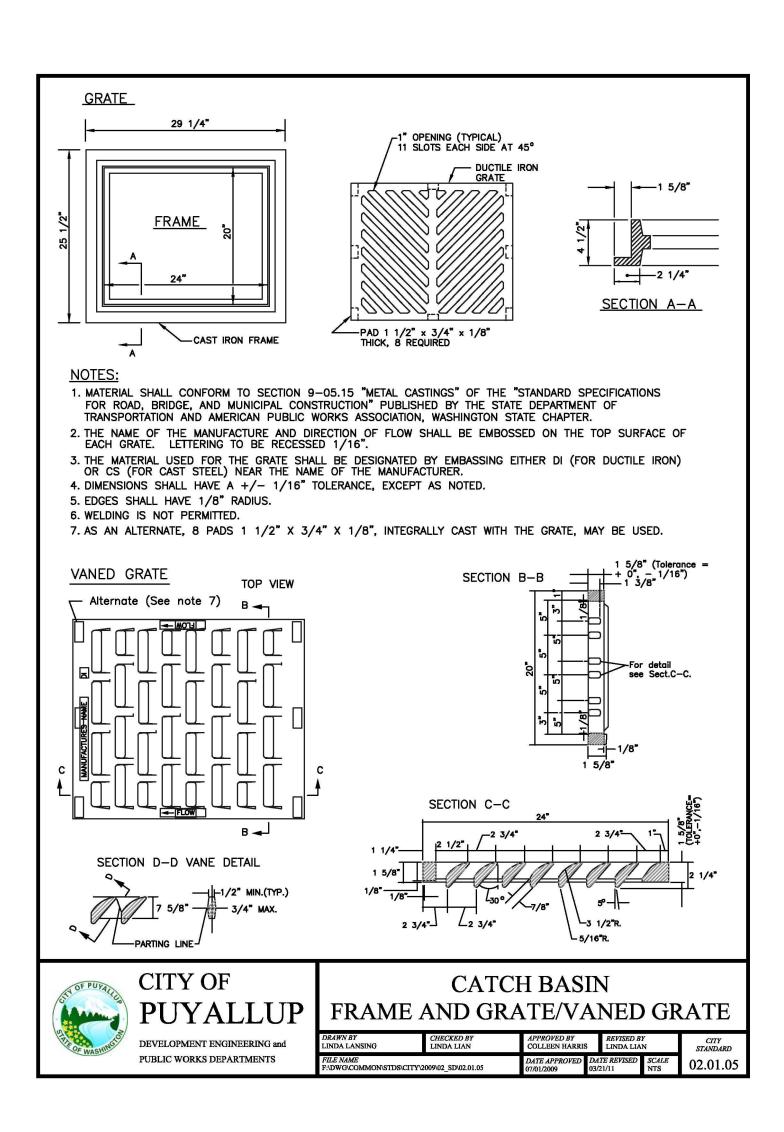


A PORTION OF THE NE 1/4, SE 1/4, NW 1/4 & SW 1/4, OF THE SE 1/4 OF SEC. 3,TWN. 19 N, RGE. 4 E, W.M. CITY OF PUYALLUP, PIERCE COUNTY, WASHINGTON

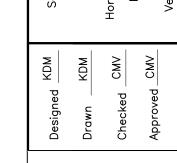








Add City Standard Details: 06.01.02



APPROVED CITY OF PUYALLUP DEVELOPMENT ENGINEERING

UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT BARGHAUSEN CONSULTING ENGINEERS, LLC. TO

CALL BEFORE YOU DIG:

1-800-424-5555 OR "811"

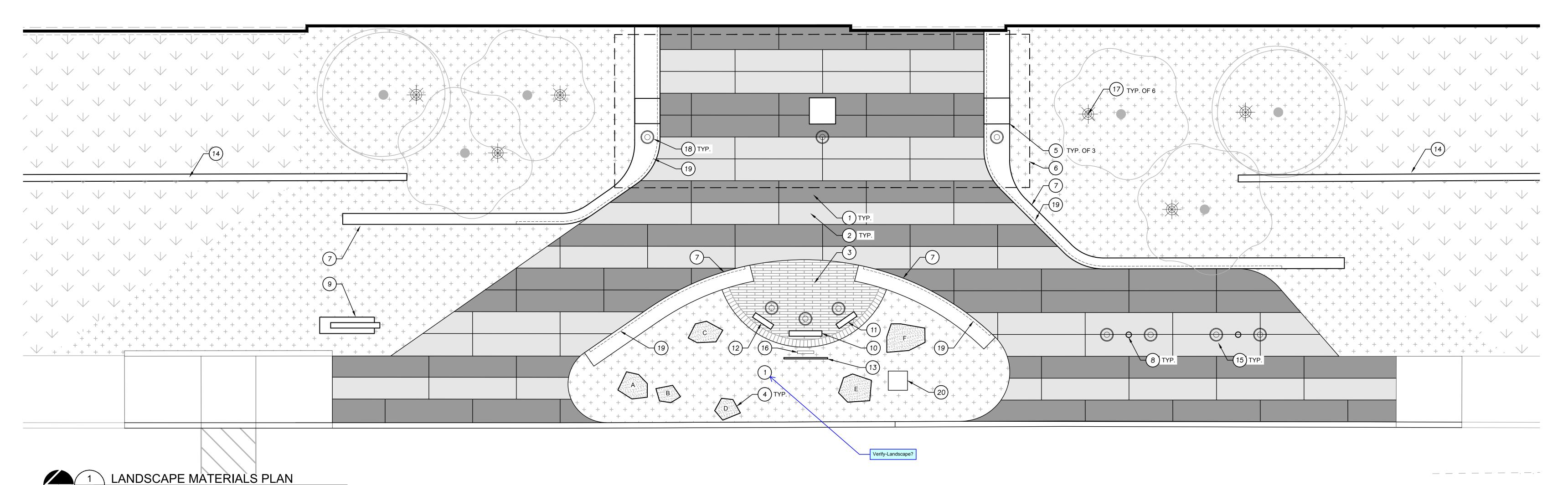
TE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS ETERMINED BY THE DEVELOPMENT ENGINEERING

237

UTILITY CONFLICT NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION, DIMENSION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLING THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ 1-800-424-5555 AND THEN POTHOLING ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATIONS OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED

RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

EXISTING BUILDING



GENERAL LANDSCAPE NOTES

ABBREVIATIONS

ADJACENT

APPROX

BTWN

BLDG

CMU

COL

CONN

CONT

CORR

ELECT

CONST

ALTERNATE

BOTTOM OF

BETWEEN

BUILDING BENCH MARK

CATCH BASIN

CONTROL JOINT

CONCRETE MASONRY UNIT

COLUMN CONC CONCRETE

CENTER LINE

CAST IRON

CLEAN OUT

CONNECTION

CONTINUOUS

CENTER DOUBLE

DIMENSION

DOWNSPOUT DRAWING

ELEVATION

ELECTRICAL

EXPANSION JOINT

FINISH FLOOR ELEVATION

EXISTING

DOWN

CONSTRUCTION

CORRUGATED(ION)

DRINKING FOUNTAIN

CEILING

CLEAR

APPROXIMATE

ARCHITECT(URAL)

1/4" = 1'-0"

- CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL SITE CONDITIONS AND THE CONTRACT DOCUMENTS.
- CALL BEFORE YOU DIG. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF ALL UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT IF THERE ARE ANY DISCREPANCIES WITH PLANTING ROOT ZONES. TO REQUEST LOCATES FOR PROPOSED EXCAVATION CALL 1-800-424-5555 (OR 811) IN WASHINGTON.
- 3. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS WITH EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING MEANS AND METHODS FOR CONSTRUCTION. THESE DRAWINGS MAY INDICATE A LIMIT OF PROPOSED IMPROVEMENTS, LIMITS OF DEMOLITION, ETC FOR DELINEATION OF EXPECTED EXTENTS OF DISTURBANCE. HOWEVER FINAL IMPACT SHALL BE DETERMINED IN THE FIELD. SHOULD LIMITS OF DISTURBANCE EXCEED BOUNDARIES DEFINED IN DRAWINGS, CONTRACTOR SHALL CONTACT THE OWNER AND LANDSCAPE ARCHITECT FOR RESOLUTION.
- DAMAGE TO EXISTING CONCRETE CURB, ASPHALT PAVING, OR OTHER STRUCTURE SHALL BE REPAIRED OR REPLACED TO PRE CONSTRUCTION CONDITIONS.
- CONTRACTOR SHALL COORDINATE WITH THE OWNER ANY DISRUPTION TO VEHICULAR CIRCULATION PRIOR TO COMMENCEMENT OF ANY WORK.
- 7. THE DRAWINGS AND SPECIFICATIONS ARE DESIGNED TO BE COMPLEMENTARY TO ONE ANOTHER AND IMPLIED TO CORRESPOND WITH ONE ANOTHER. ANY DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR RESOLUTION IMMEDIATELY.

FOB

FOC

FOF

FOM

FOW

FND

FOIC

FTG

GALV

GEN

HDW

JNT

MAX

HORIZ

GR

FINISH GRADE

FACE OF BRICK

FACE OF FINISH

FACE OF WALL

FOUNDATION

FEET/FOOT

GALVANIZED

FOOTING

GENERAL

HOSE BIBB

HARDWARE

HORIZONTAL

INSIDE FACE

INTERIOR

MAXIMUM

NOMINAL

NOT TO SCALE

ON CENTER

OPPOSITE

OUTSIDE

PLATE

MECHANICAL

MANUFACTURED

MANUFACTURING

MISCELLANEOUS

NOT IN CONTRACT

OUTSIDE DIAMETER

JOINT

INVERT ELEVATION

GRADE

GAUGE

FACE OF MULLION

FACE OF CONCRETE

FURNISH BY OWNER

INSTALL BY CONTRACTOR

KEYNOTES BOULDER SCHEDULE

SIZE

3' X 3'

2' X 2'

3' X 2'

2' X 2'

3' X 3'

4' X 4'

SEE L1.11

SEE L1.11

SEE L1.11

SEE L1.11

PLASTIC LAMINATE

POLY VINYL CHLORIDE

POINT OF TANGENCY

PRESSURE TREATED

PLYWOOD

PAVEMENT

PAINTED

RADIUS

REFERENCE

REQUIRED

REVISION

SIMILAR

SQUARE

REINFORCING

RIGHT OF WAY

SPECIFICATION

STAINLESS STEEL

STATION POINT

STANDARD

THICK(NESS)

UNDERSIDE VERTICAL

WITH OUT

WATER PROOF

WATER HEATER

WATER RESISTANT

WELDED WIRE MESH

TOP OF

TYPICAL

WITH WOOD

SHEATHING

RADIAL **ROOF DRAIN**

PLYWD

PVC

POT

PTD

REF

REINF

REQ

REV

ROW

SHTG

SPEC

STA PT

STD

SIM

- 1. PAVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 860, SEE SPECS. SEE L1.20 FOR LAYOUT.
- 2. PAVING TYPE B, INTEGRAL COLOR CONCRETE: OUTBACK 677, SEE SPECS. SEE L1.20 FOR LAYOUT.
- SEE SPECS. SEE DETAIL 7/L5.10. 4. LANDSCAPE BOULDER, SEE DETAIL 6/L5.10 AND BOULDER SCHEDULE
- 6. EDGE OF CANOPY, SEE ARCH.
- 7. SITE WALLS: SEE CIVIL FOR TOP OF WALL, WIDTH VARIES SEE LAYOUT L1.20 FOR DIMENSIONS. INTEGRAL COLOR CONCRETE: SAN DIEGO BUFF 5237, SEE SPECS. INTEGRATED LED STRIP LIGHTING AT
- 9. MONUMENT SIGN, SEE DETAIL 1/L5.12.
- 10. GRANITE MEMORIAL "CENTRAL" PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.

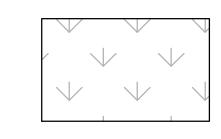
- ON THIS SHEET. INDICATED BOULDER SIZES ARE APPROXIMATE. SEE SPECS.
- 5. CANOPY COLUMN, SEE ARCH.
- TOE KICK ALONG FRONT OF WALL, SEE ELECTRICAL. SEE DETAIL
- 8. FLAGPOLE, QTY. 2.

- 11. GRANITE MEMORIAL "SOUTH" SIDE PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.
- 12. GRANITE MEMORIAL "NORTH" SIDE PANEL, WITH ENGRAVED LETTERING, SEE DETAIL 1/L5.11.
- 3. PAVING TYPE C, SAND SET CONCRETE UNIT PAVERS, COLOR: ADOBE. 13. ART PANEL, SEE DETAIL 1/L5.11.
 - 14. EXISTING SITE WALL.
 - 15. IN-GRADE UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS. 16. IN-GRADE LINEAR UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS.
 - 17. TREE UPLIGHT, SEE ELECTRICAL AND LAYOUT PLANS.
 - DETAIL 10/L5.10. 19. EXTENTS OF SITE WALL INTEGRATED LED LIGHTING. SEE ELECTRICAL

18. UPLIGHT IN SITE WALL, SEE ELECTRICAL AND LAYOUT PLANS, AND

AND DETAIL 10/L5.10. 20. CATCH BASIN, SEE CIVIL.

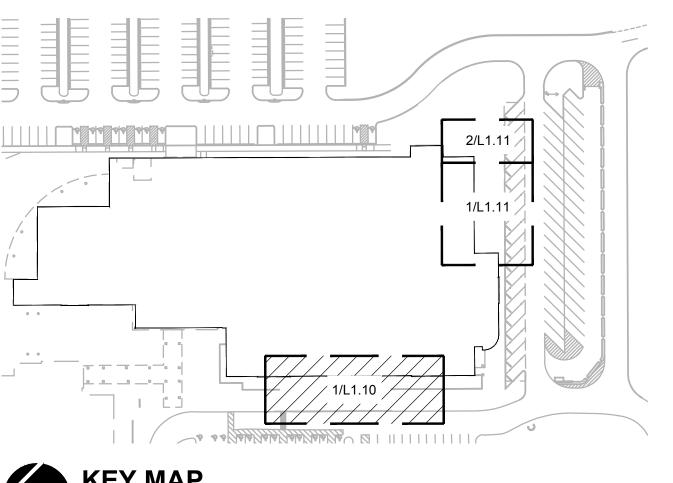
LEGEND



EXISTING LANDSCAPE TO REMAIN



PLANTING AREA: SEE L2.10 FOR PLANTING PLAN AND PLANTING SCHEDULE. SEE L5.13 FOR PLANTING DETAILS.



KEY MAP MATERIALS PLANS SCALE: NTS

206.749.9993 www.mackenzie.inc MACKENZIE.

503.224.9560

Planning - Engineering

City of Puyallup



Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374

MACKENZIE 2025 MACKENZIE 2023 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER. WITHOUT PRIOR WRITTEN PERMISSION

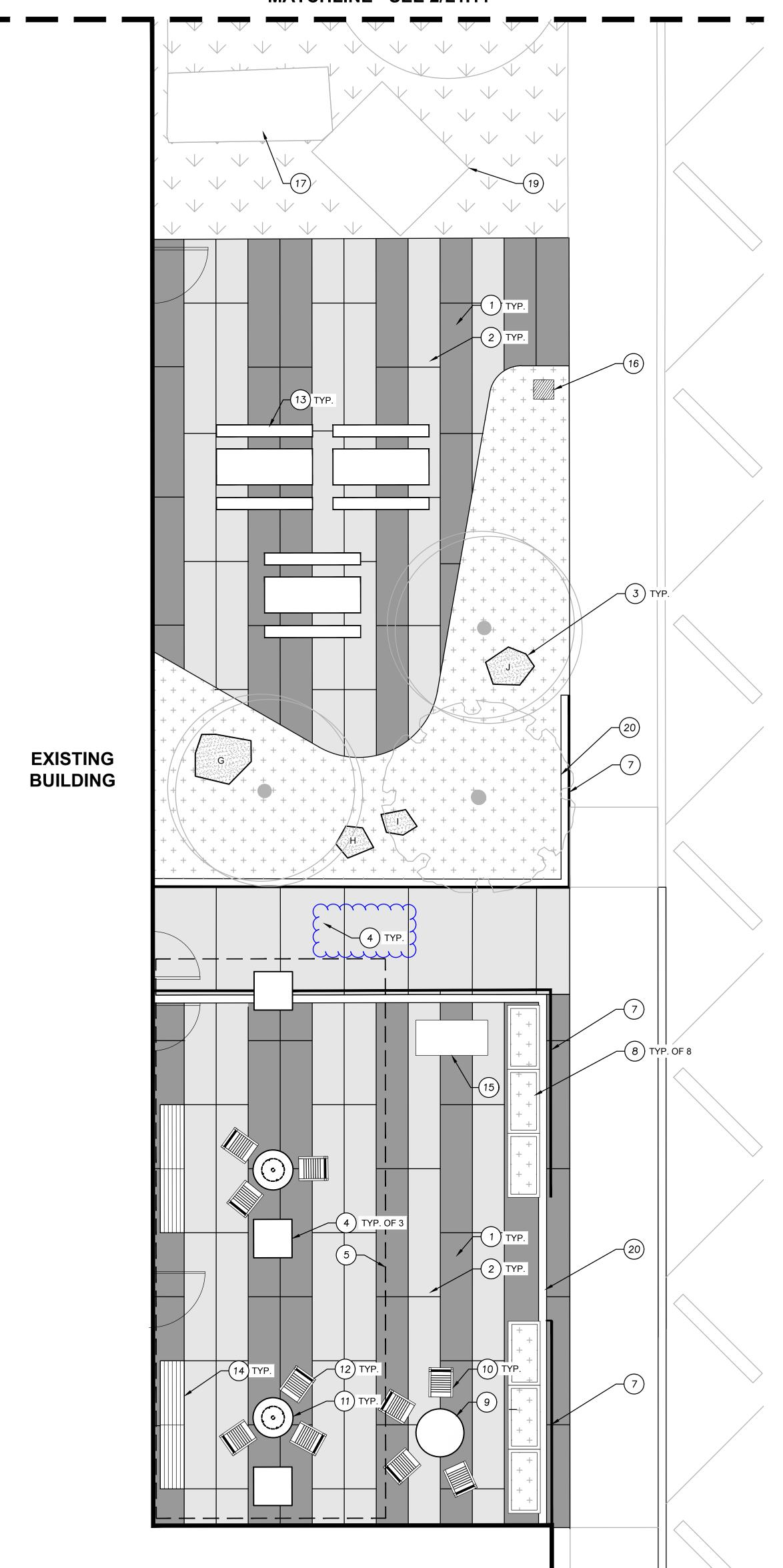
REVISION SCHEDULE Issued As Issue Date

SHEET TITLE: **MATERIALS PLAN**

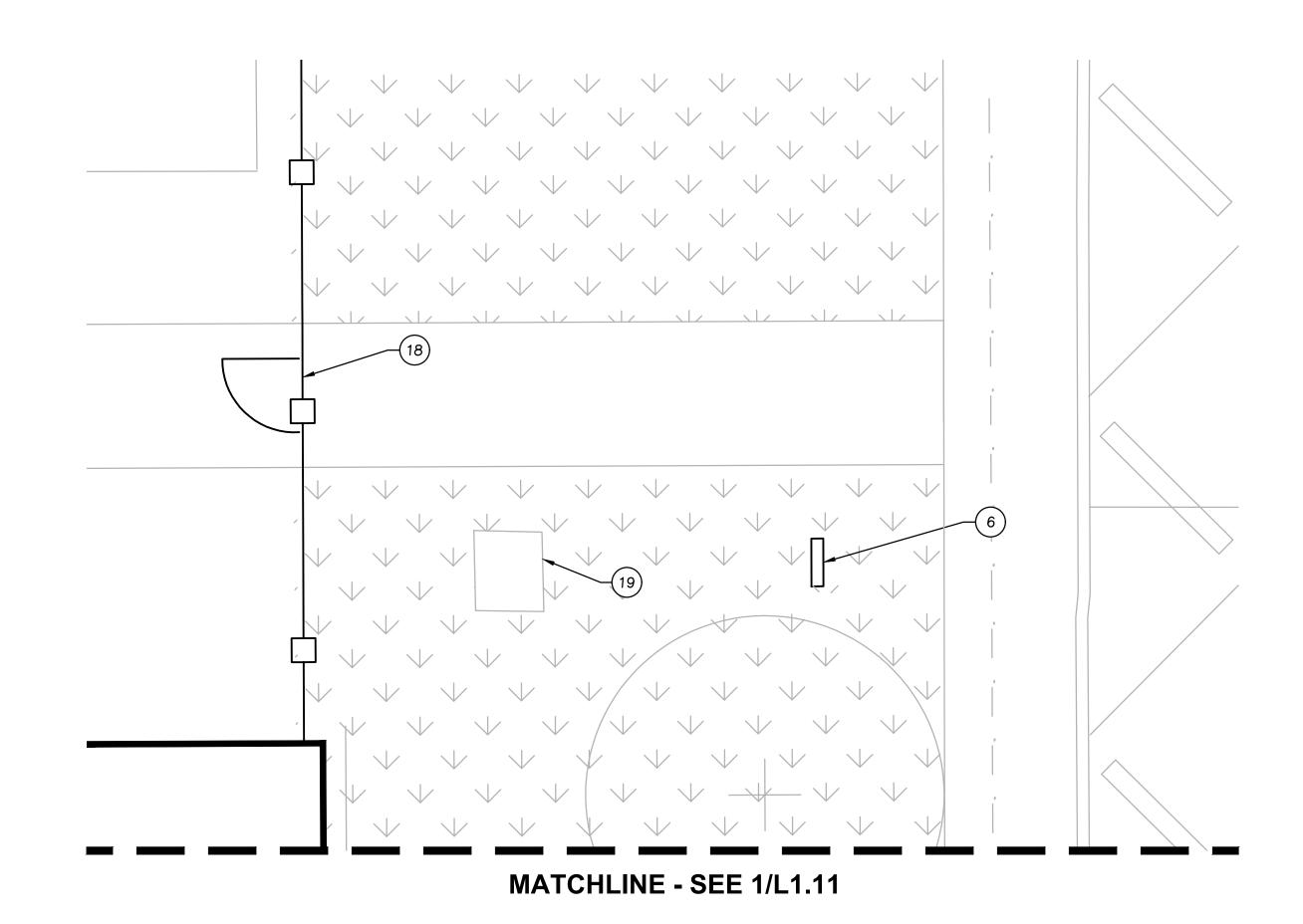
SHEET

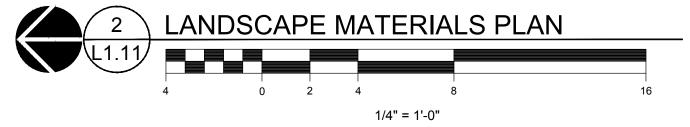
L1.10

MATCHLINE - SEE 2/L1.11









BOULDER SCHEDULE KEYNOTES

SIZE
SEE L1.10
4' X 4'
2' X 2'
2' X 2'
3' X 3'

1.	PAVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 8 SPECS. SEE L1.21 FOR LAYOUT.
2.	PAVING TYPE B, INTEGRAL COLOR CONCRETE: OUTBACK 6' SPECS. SEE L1.21 FOR LAYOUT.
3.	LANDSCAPE BOULDER, SEE DETAIL 6/L5.10 AND BOULDER S

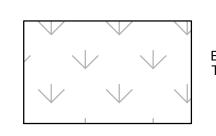
- 5. EDGE OF CANOPY, SEE ARCH. 6. GRANITE K-9 MEMORIAL WITH ENGRAVED LETTERING. SIM DETAILS A,B 3/L5.11. COORDINATE TEXT WITH OWNER, LAYOUT AND DESIGN
- 7. PERFORATED PANEL FENCE: 8'-0" STEEL FENCE CUSTOM PANELS WITH LASER CUT DESIGN. SEE SPECS. SEE DETAIL 11/L5.10. 8. PLANTERS WITH POTTING SOIL, PLANTING, AND IRRIGATION, QTY. 6.
- 9. FIRE BOWL, QTY. 1. CONNECT TO GAS. SEE SPECS.

1.	PAVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 860, SEE
	SPECS. SEE L1.21 FOR LAYOUT.

- K 677, SEE
- R SCHEDULE 4. CANOPY COLUMN, SEE ARCH.
- SIM DETAIL C 2/L5.11.
- SEE SPECS. FOR PLANTING AND IRRIGATION AT PLANTERS, SEE L2.11.

AVING TYPE A, INTEGRAL COLOR CONCRETE: GRAPHITE 860, SEE	LOUNGE CHA
DECO. OFF. LA CA FOR LAYOUT	

- HAIRS, QTY. 4. SEE SPECS. 11. CAFE TABLES, QTY. 2. SEE SPECS.
- 12. CAFE CHAIRS, QTY. 6. SEE SPECS. 13. PICNIC TABLE, QTY. 3. SEE SPECS. ON THIS SHEET. INDICATED BOULDER SIZES ARE APPROXIMATE. SEE SPECS. 14. CONCRETE PLINTH WITH BENCH TOP, QTY. 4 (2 PER PLINTH). SEE
 - SPECS AND DETAIL 9/L5.10. 15. FREESTANDING BBQ GRILL. CONNECT TO GAS. SEE SPECS
 - 16. POLE LIGHT, SEE ELECTRICAL.
 - 17. CUSTOM VINYL WRAP, OFCI.
 - 18. FENCE, SEE CIVIL.
 - 19. EXISTING UTILITY VAULT. 20. CURB, SEE DETAIL 5/L5.10.

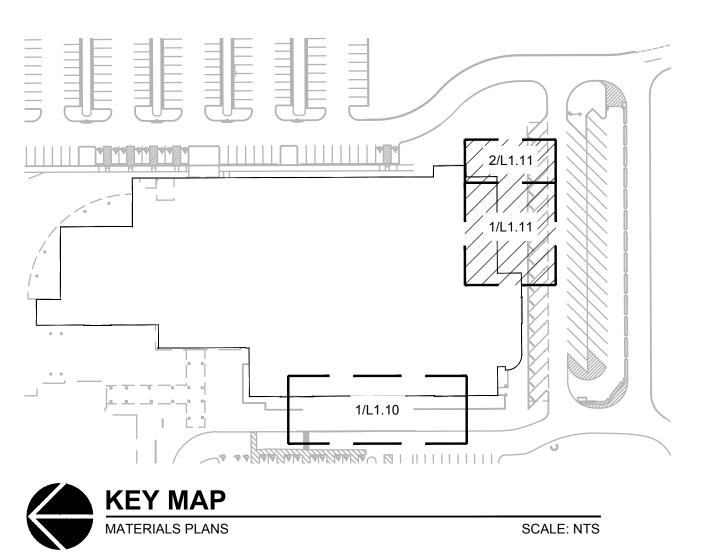


LEGEND

EXISTING LANDSCAPE TO REMAIN



PLANTING AREA: SEE L2.10 FOR PLANTING PLAN AND PLANTING SCHEDULE. SEE L5.13 FOR PLANTING DETAILS.





Portland, OR 503.224.9560 **Vancouver, WA** 360.695.7879 **Seattle, WA** 206.749.9993

MACKENZIE.

City of Puyallup



Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374



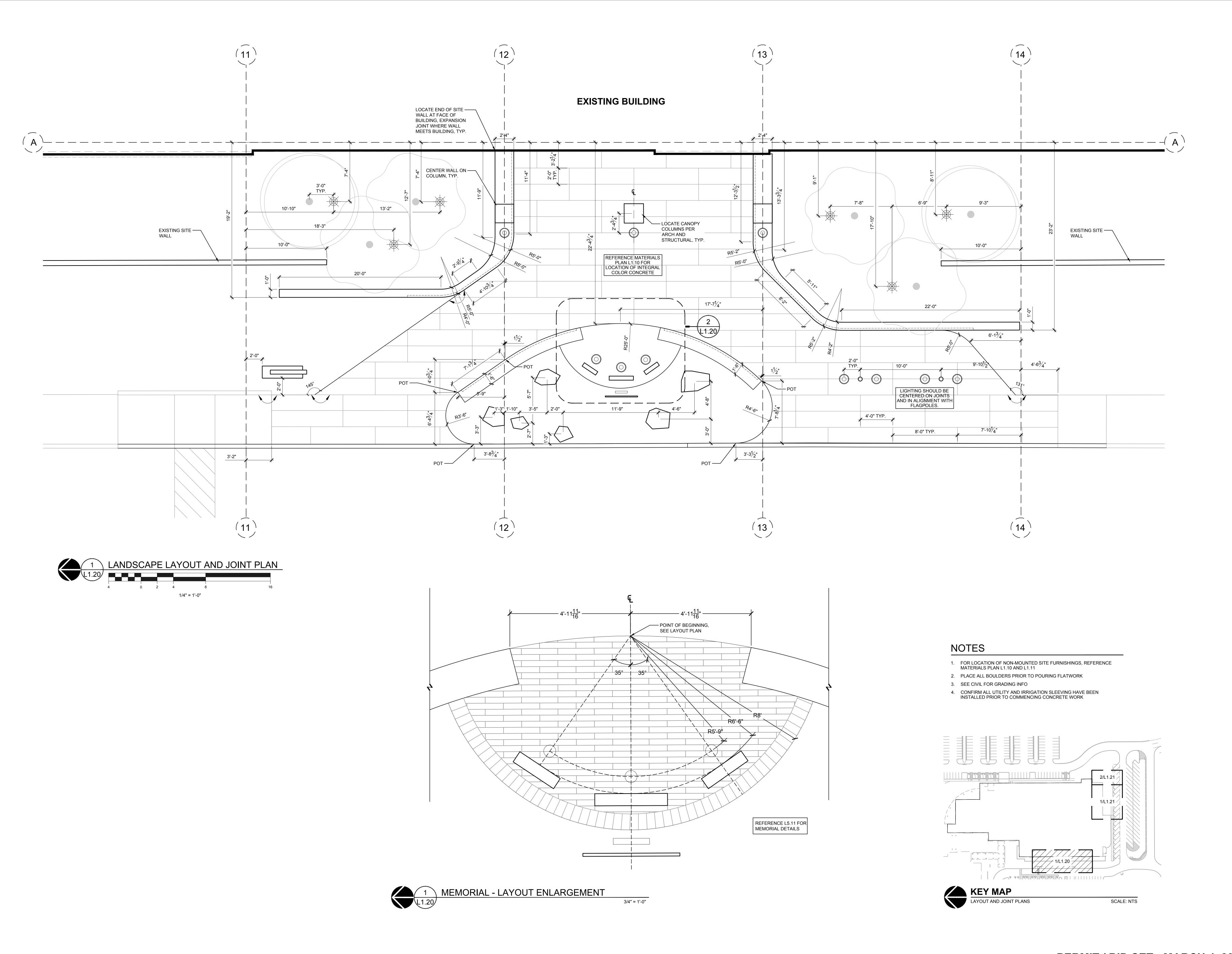
© MACKENZIE 2025 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION

		<u>'</u>			
REVISION SCHEDULE					
)elta	Issued As	Issue Date			

SHEET TITLE:

LANDSCAPE **MATERIALS** PLAN

L1.11



Planning - Engineering

Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 **Seattle, WA** 206.749.9993

www.mackenzie.inc

MACKENZIE.

City of Puyallup



Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374

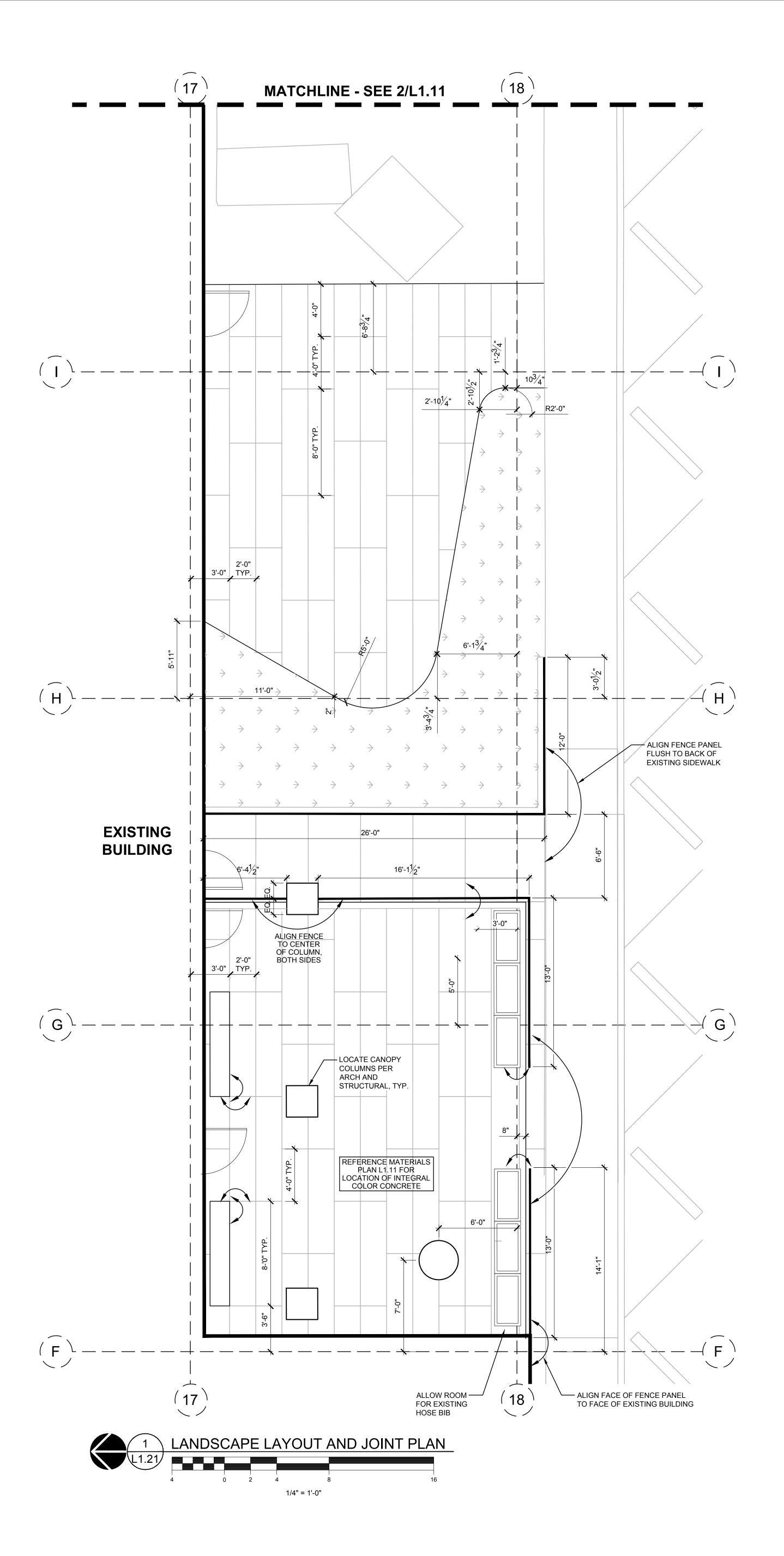
© MACKENZIE 2025 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION

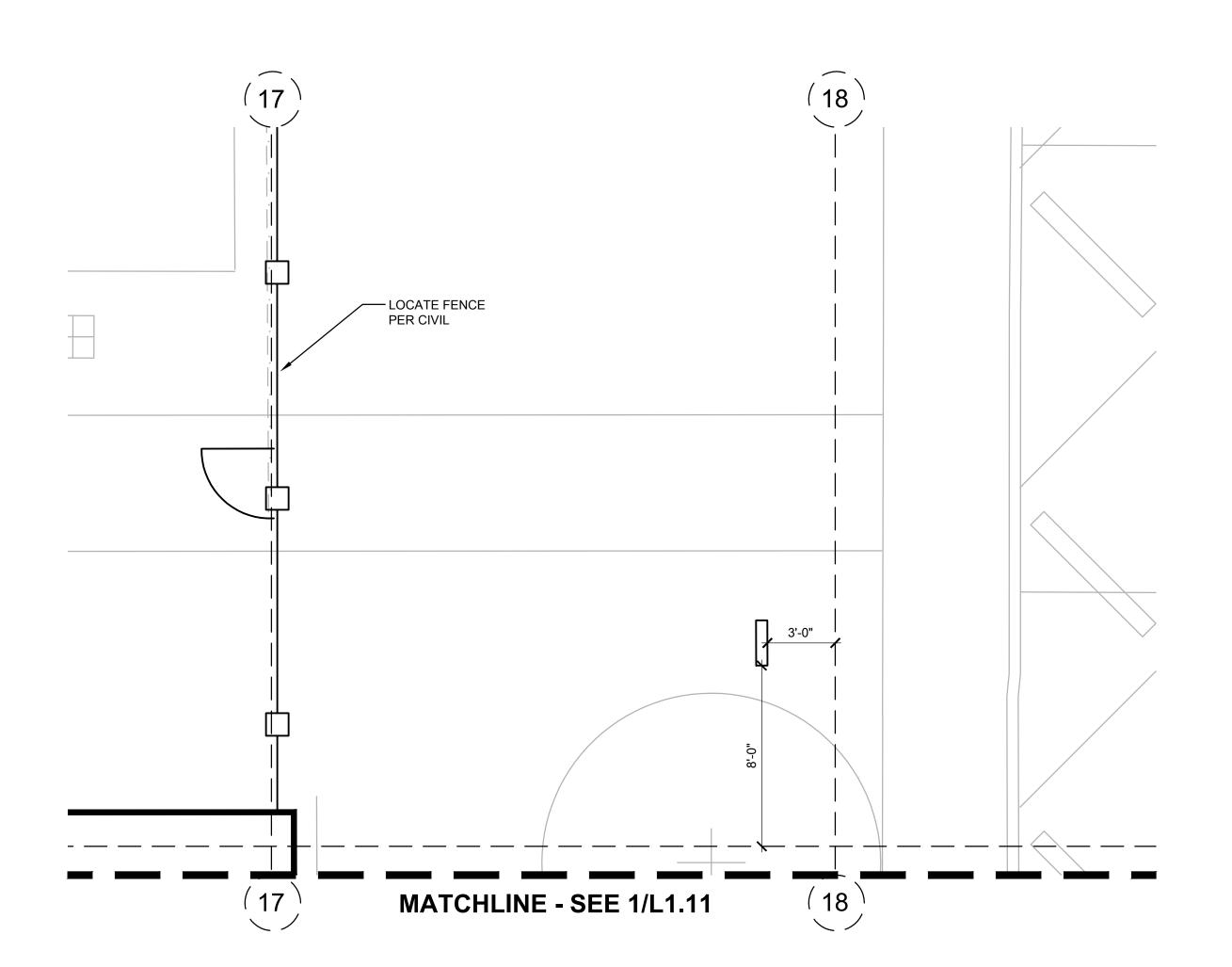
> REVISION SCHEDULE Issued As Issue Date

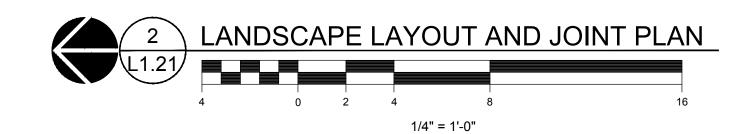
SHEET TITLE:

LANDSCAPE LAYOUT AND **JOINT PLAN**

L1.20

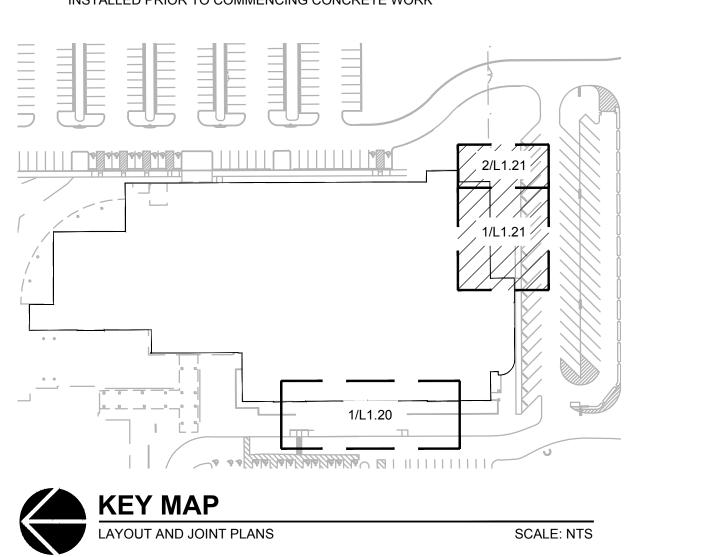






NOTES

- FOR LOCATION OF NON-MOUNTED SITE FURNISHINGS, REFERENCE MATERIALS PLAN L1.10 AND L1.11
- 2. PLACE ALL BOULDERS PRIOR TO POURING FLATWORK
- 3. SEE CIVIL FOR GRADING INFO
- CONFIRM ALL UTILITY AND IRRIGATION SLEEVING HAVE BEEN INSTALLED PRIOR TO COMMENCING CONCRETE WORK





Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 **Seattle, WA** 206.749.9993

MACKENZIE.

City of Puyallup



Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374

© MACKENZIE 2025 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION

REVISION SCHEDULE					
)elta	Issued As	Issue Date			
•					

SHEET TITLE:

LANDSCAPE LAYOUT AND **JOINT PLAN**

L1.21

Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 **Seattle, WA** 206.749.9993

MACKENZIE.

City of Puyallup



Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374

© MACKENZIE 2025 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER,

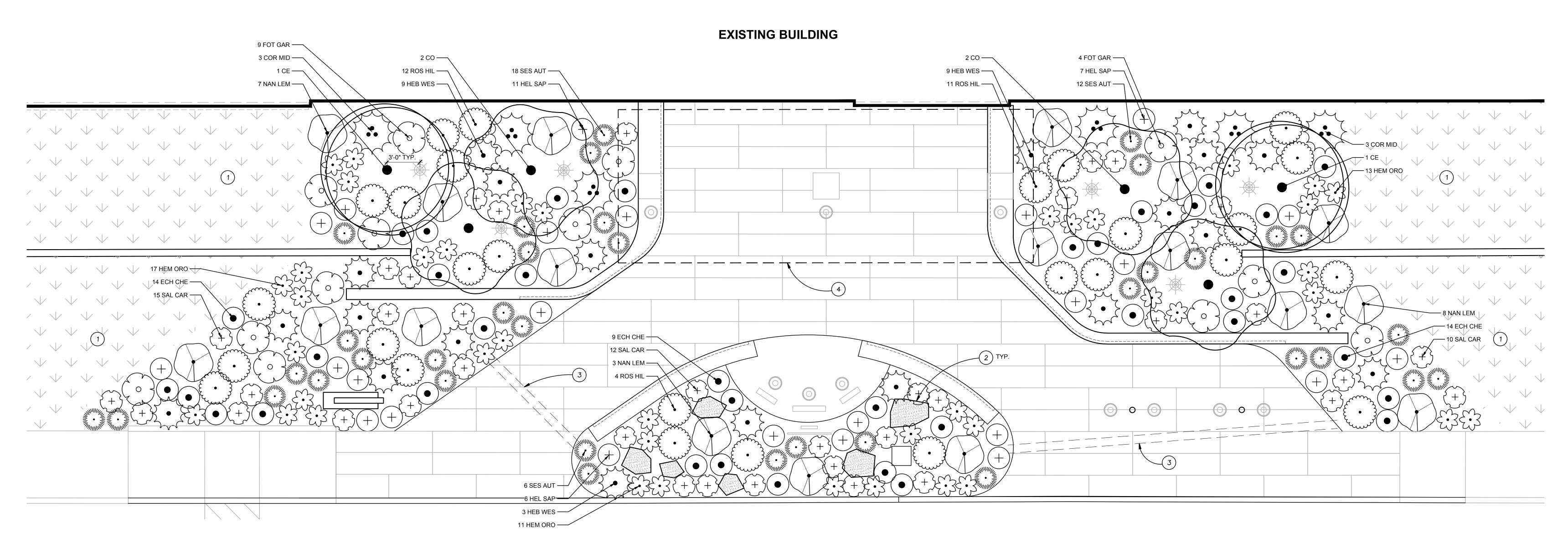
WITHOUT PRIOR WRITTEN PERMISSION REVISION SCHEDULE Issued As Issue Date

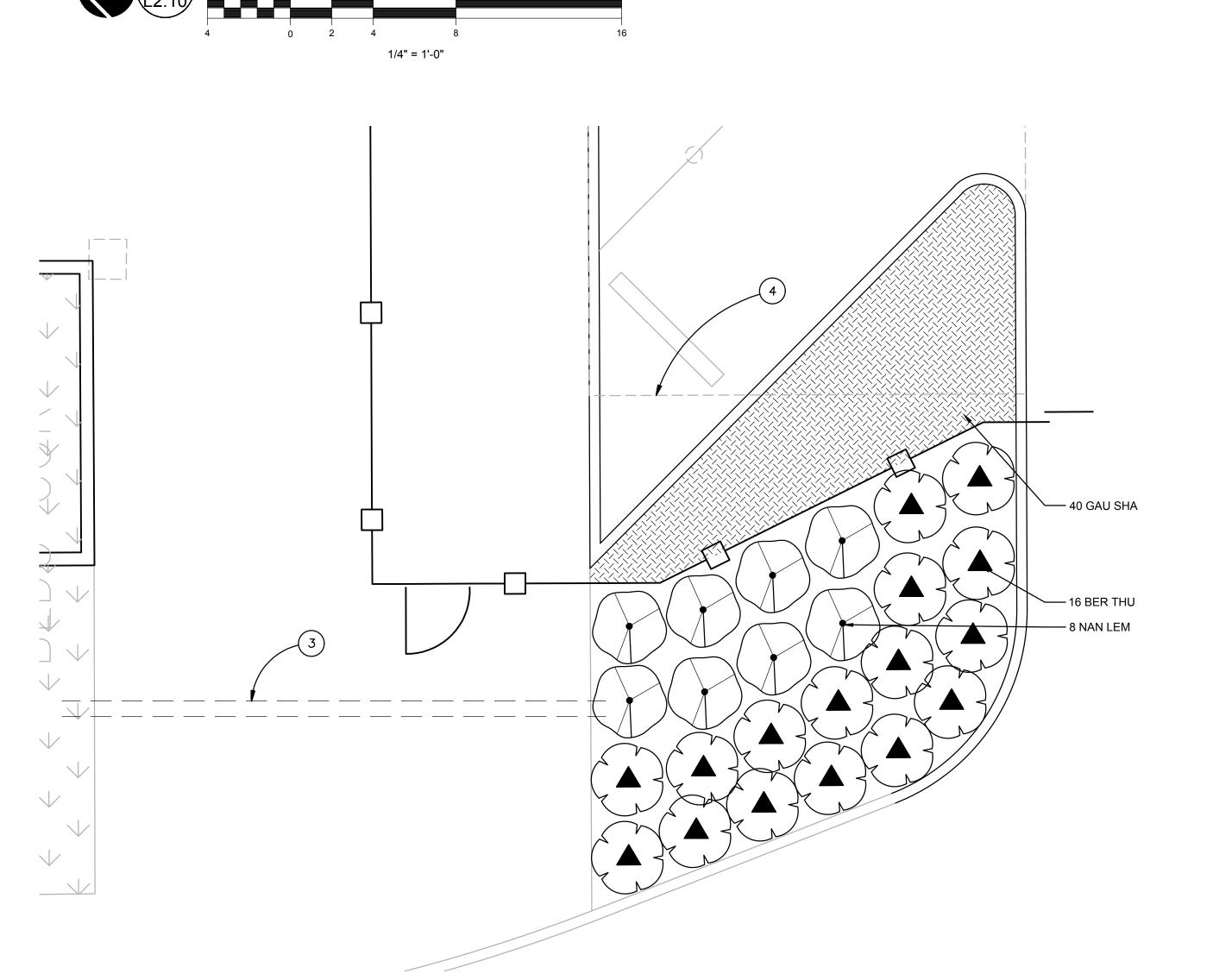
SHEET TITLE:

PLANTING

L2.10

JOB NO. **2170269.07** PERMIT / BID SET - MARCH 4, 2025 ANTING A.DWG:L2.10 AJ 02/27/25 12:00 1:0.08





1/4" = 1'-0"

PLANT SCHEDULE

YMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	
REES	•			•
	СО	CERCIS OCCIDENTALIS 'CLAREMONT' CLAREMONT WESTERN REDBUD MULTISTEM	2" CAL. B&B	
\bigcirc	CE	CORNUS X ELWINORTONII 'STARLIGHT' STARLIGHT DOGWOOD	2" CAL. B&B	
+		EXISTING TREE TO REMAIN		
	NS	NYSSA SYLVATICA 'DAVID ODOM' AFTERBURNER TUPELO	2" CAL. B&B	
/MBOL	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING
HRUBS				
	ASP ELA	ASPIDISTRA ELATIOR CAST IRON PLANT	2 GAL.	AS SHOWN
	BER THU	BERBERIS THUNBERGII 'O'BYRNE' SUNJOY TANGELO JAPANESE BARBERRY	2 GAL.	42" o.c.
}••\	COR MID	CORNUS SANGUINEA 'MIDWINTER FIRE' MIDWINTER FIRE BLOODTWIG DOGWOOD	5 GAL.	48" o.c.
•	ECH CHE	ECHINACEA X 'CHEYENNE SPIRIT' CHEYENNE SPIRIT CONEFLOWER	1 GAL.	24" o.c.
	FOT GAR	FOTHERGILLA GARDENII 'SUZANNE' DWARF FOTHERGILLA	5 GAL.	36" o.c.
₹ 3	HAK MAC	HAKONECHLOA MACRA JAPANESE FOREST GRASS	2 GAL.	AS SHOWN
)• •	HEB WES	HEBE X 'WESTERN HILLS' WESTERN HILLS HEBE	5 GAL.	36" o.c.
+	HEL SAP	HELICTOTRICHON SEMPERVIRENS 'SAPPHIRE' SAPPHIRE BLUE OAT GRASS	2 GAL.	24" o.c.
	HEM ORO	HEMEROCALLIS X 'STELLA DE ORO' STELLA DE ORO DAYLILY	2 GAL.	24" o.c.
}	LIR BIG	LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LILYTURF	2 GAL.	AS SHOWN
	NAN LEM	NANDINA DOMESTICA 'LEMON-LIME' LEMON-LIME HEAVENLY BAMBOO	5 GAL.	42" o.c.
(***)	ROS HIL	ROSMARINUS OFFICINALIS 'HILL'S HARDY' HILL'S HARDY ROSEMARY	5 GAL.	36" o.c.
+}	SAL CAR	SALVIA NEMOROSA 'CARADONNA' CARDONNA MEADOW SAGE	1 GAL.	24" o.c.
	SES AUT	SESLERIA AUTUMNALIS AUTUMN MOOR GRASS	1 GAL.	24" o.c.
<u>.</u>	SPI BET	SPIRAEA BETULIFOLIA 'TOR GOLD' GLOW GIRL BIRCHLEAF SPIREA	5 GAL.	42" o.c.
חואוט	COVERS			
	GAU SHA	GAULTHERIA SHALLON SALAL	1 GAL.	24" o.c.
	RUB CAL	RUBUS CALYCINOIDES 'EMERALD CARPET' EMERALD CARPET CREEPING BRAMBLE	1 GAL.	24" o.c.

PLANTING AND IRRIGATION NOTES

PLANT PROTECTION AND REMOVAL

- 1. ALL EXISTING TREES, PLANTS, AND ROOTS SHALL BE PROTECTED FROM DAMAGE FROM ANY CONSTRUCTION PREPARATION, REMOVAL OR INSTALLATION ACTIVITIES WITHIN AND ADJACENT TO PROJECT
- LOCATION OF EXISTING TREES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK. TREES INDICATED TO BE REMOVED SHALL ALSO INCLUDE COMPLETE REMOVAL OF STUMP AND ROOTS AND FILLING IN DEPRESSION WITH SUITABLE SOIL FILL.
- 3. IF DISTURBANCE IS NECESSARY AROUND EXISTING TREES, CONTRACTOR SHALL PROTECT THE CROWN AND ALL WORK WITHIN THE TREE CRITICAL ROOT ZONE SHALL BE LIMITED TO THE USE OF HAND TOOLS AND MANUAL EQUIPMENT ONLY.
- 4. EXISTING AREAS PROPOSED FOR NEW PLANT MATERIAL SHALL BE CLEARED AND LEGALLY DISPOSED UNLESS SO NOTED.

- 1. SHRUBS ADJACENT TO PARKING AREAS SHALL BE PLANTED 2 FT MINIMUM AWAY FROM THE BACK OF CURB. SHRUBS AND GROUNDCOVER ALONG OTHER PAVEMENT EDGES SHALL BE PLANTED A MINIMUM OF ONE HALF THEIR ON CENTER SPACING AWAY FROM PAVEMENT EDGE.
- 2. ALL PLANT MATERIAL SHALL BE HEALTHY NURSERY STOCK, WELL BRANCHED AND ROOTED, FULL FOLIAGE, FREE FROM INSECTS, DISEASES, WEEDS, WEED ROT, INJURIES AND DEFECTS WITH NO LESS THAN MINIMUMS SPECIFIED IN AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2004.
- 3. DO NOT PLANT TREES ABOVE WATERLINES, UTILITIES, OR OTHER UNDERGROUND PIPING.
- REPLACE, REPAIR AND RESTORE DISTURBED LANDSCAPE AREAS DUE TO GRADING, TRENCHING OR OTHER REASONS TO PRE-CONSTRUCTION CONDITION AND PROVIDE MATERIAL APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.
- RECOGNIZED BY THE STATE DEPARTMENT OF AGRICULTURE, SHALL BE USED TO RECOMMEND AN APPROPRIATE PLANTING SOIL AND/OR SPECIFIED SOIL AMENDMENTS.

5. A SOILS ANALYSIS, BY AN INDEPENDENT SOILS TESTING LABORATORY

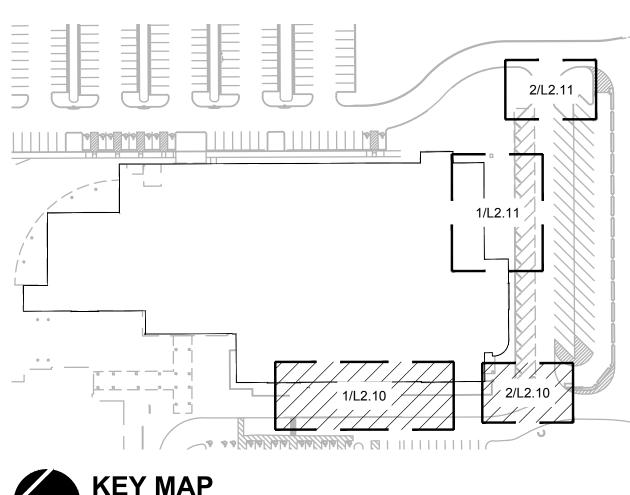
- 6. TOPSOIL SHALL BE AMENDED AS RECOMMENDED BY AN INDEPENDENT SOILS TESTING LABORATORY AND AS OUTLINED IN THE SPECIFICATION.
- 7. ALL LANDSCAPED AREAS SHALL BE COVERED BY A LAYER OF ORGANIC MULCH TO A MINIMUM DEPTH OF 2-INCHES.

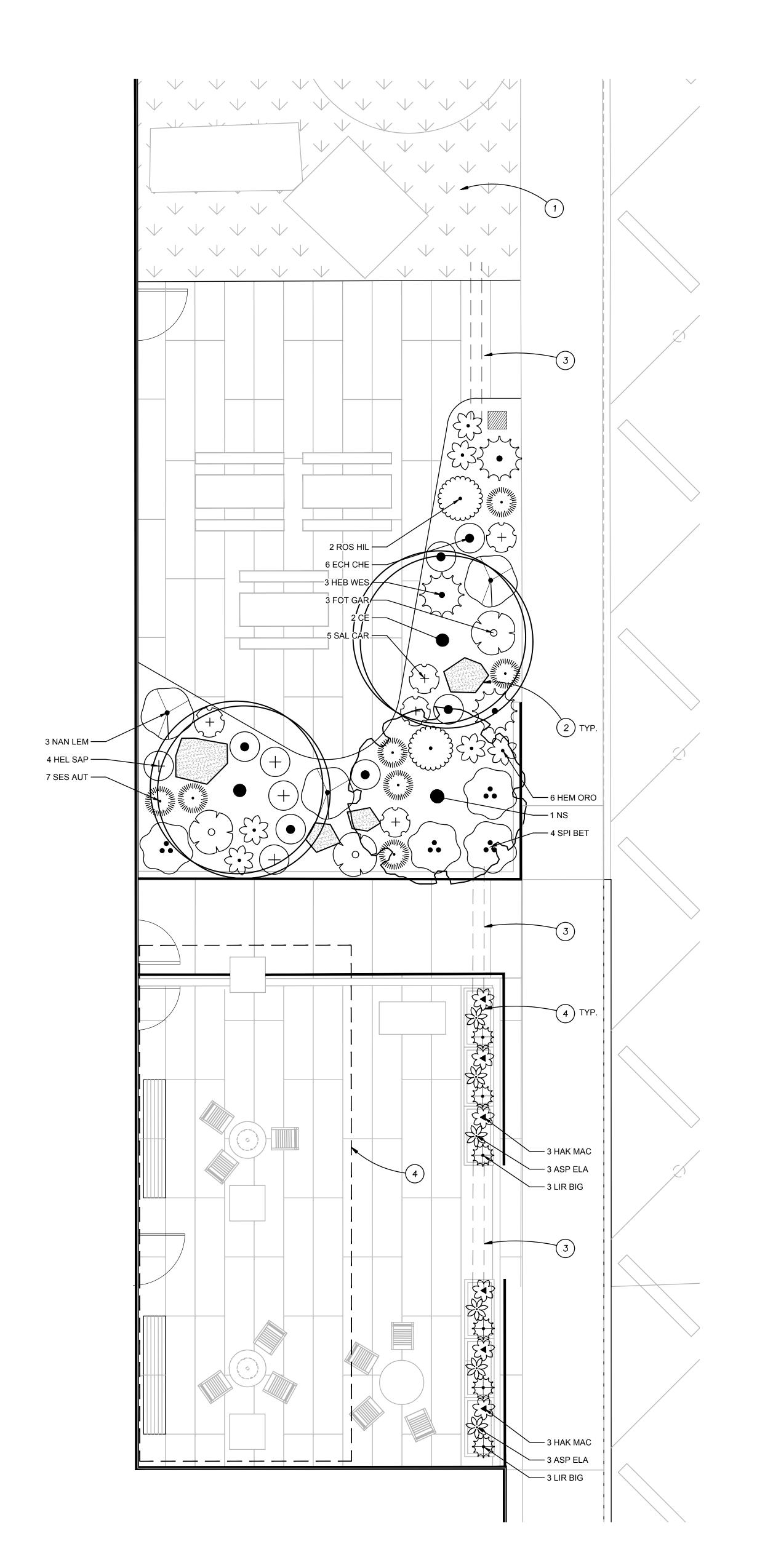
- 1. ALL NEW PLANTING AREAS TO BE IRRIGATED BY AUTOMATIC IRRIGATION SYSTEM. IRRIGATION ZONES TO BE VALVED ACCORDING TO PLANT TYPES, EXPOSURE, AND MICROCLIMATIC CONDITIONS.
- 2. ASSESS EXISTING IRRIGATION SYSTEM FOR FUNCTIONALITY AND ABILITY TO ACCOMMODATE ALL NEW LANDSCAPE AREAS.
- VALVES SHALL BE WIRED AND INSTALLED PER MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES AND CONNECTED TO THE IRRIGATION CONTROLLER.
- 4. PROVIDE SLEEVING AT ALL AREAS WHERE PIPE TRAVELS UNDER CONCRETE OR HARD SURFACING.
- IRRIGATION SYSTEM AS DESIGNED AND INSTALLED SHALL PERFORM WITHIN THE TOLERANCES AND SPECIFICATIONS OF THE SPECIFIED MANUFACTURERS.
- 6. ALL IRRIGATION PIPE MATERIAL AND INSTALLATION SHALL CONFORM TO APPLICABLE CODE FOR PIPING AND COMPONENT REQUIREMENTS.

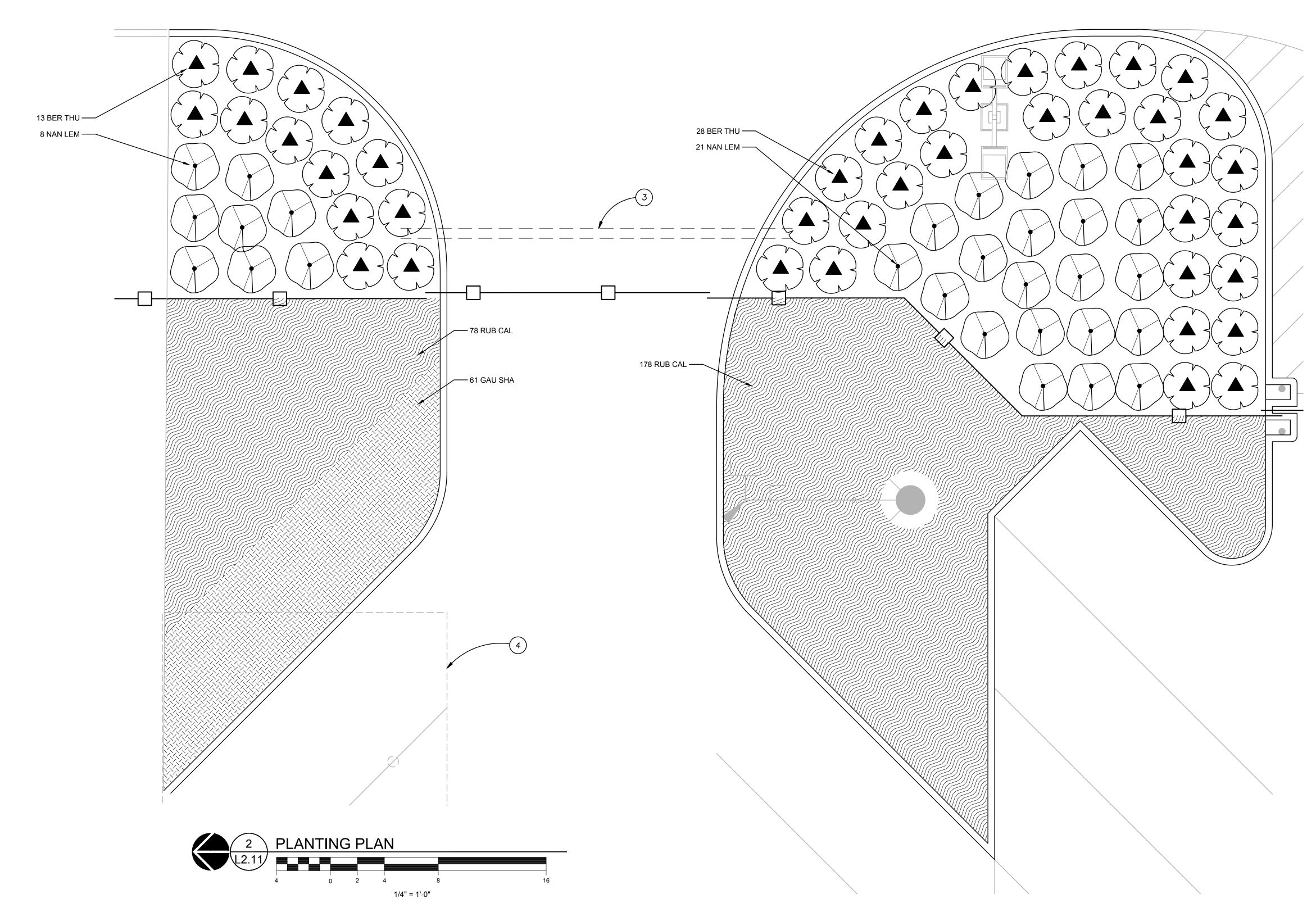
- 7. SYSTEM SHALL SUPPLY MANUFACTURER'S SPECIFIED MINIMUM OPERATING PRESSURE TO FARTHEST EMITTER FROM WATER METER. 8. IRRIGATION SHALL BE WINTERIZED THROUGH LOW PRESSURE, HIGH
- VOLUME AIR BLOWOUT CONNECTION THROUGH QUICK COUPLER. 9. CONTRACTOR SHALL DIG WITH CARE AND REPAIR OR REPLACE ANY DAMAGE TO PRE CONSTRUCTION CONDITIONS USING MATERIALS
- MATCHING EXISTING SYSTEM. 10. ZONE TREES SEPARATELY.
- 11. MINIMIZE IMPACTS TO EXISTING TREES TO THE GREATEST EXTENT POSSIBLE. TRENCH UNDER ROOTS GREATER THAN 2-INCHES IN DIAMETER. ARBORIST SHALL BE PRESENT FOR ANY TRENCHING WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.
- 12. CONTRACTOR TO DETERMINE STATIC WATER PRESSURE AT THE P.O.C. PRIOR TO PREPARING SHOP DRAWINGS.
- 13. CONTRACTOR SHALL ESTABLISH MINIMUM PRESSURE AND MAXIMUM DEMAND REQUIREMENTS FOR IRRIGATION SYSTEM DESIGN, AND
- PROVIDE INFORMATION IN AN IRRIGATION SCHEDULE. 14. CONTRACTOR TO LOCATE AND VERIFY LOCATION AND CONDITION OF POINT OF CONNECTION, CONTROLLER AND VALVES ONSITE. CONTRACTOR SHALL UTILIZE EXISTING POINT OF CONNECTION AND CONTROLLER.

KEYNOTES

- EXISTING LANDSCAPE. PROTECT FROM DAMAGE DURING CONSTRUCTION. REPAIR AND REPLACE TO PRE-CONSTRUCTION
- 2. LANDSCAPE BOULDERS, SEE DETAIL 6/L5.10.
- 3. MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO PROVIDE FULLY FUNCTIONAL SYSTEM. PROVIDE SLEEVING TO NEW PLANTING AREAS. CONNECT NEW ZONES TO EXISTING MAINLINE AND CONTROLS.
- SEE SPECS. 4. CANOPY ABOVE.







PLANT SCHEDULE

	T	T	<u> </u>	
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	
TREES				
\bigcirc	СО	CERCIS OCCIDENTALIS 'CLAREMONT' CLAREMONT WESTERN REDBUD MULTISTEM	2" CAL. B&B	
\bigcirc	CE	CORNUS X ELWINORTONII 'STARLIGHT' STARLIGHT DOGWOOD	2" CAL. B&B	
+		EXISTING TREE TO REMAIN		
Sold Sold Sold Sold Sold Sold Sold Sold	NS	NYSSA SYLVATICA 'DAVID ODOM' AFTERBURNER TUPELO	2" CAL. B&B	
SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING
SHRUBS				
	ASP ELA	ASPIDISTRA ELATIOR CAST IRON PLANT	2 GAL.	AS SHOWN
	BER THU	BERBERIS THUNBERGII 'O'BYRNE' SUNJOY TANGELO JAPANESE BARBERRY	2 GAL.	42" o.c.
₹	COR MID	CORNUS SANGUINEA 'MIDWINTER FIRE' MIDWINTER FIRE BLOODTWIG DOGWOOD	5 GAL.	48" o.c.
	ECH CHE	ECHINACEA X 'CHEYENNE SPIRIT' CHEYENNE SPIRIT CONEFLOWER	1 GAL.	24" o.c.
	FOT GAR	FOTHERGILLA GARDENII 'SUZANNE' DWARF FOTHERGILLA	5 GAL.	36" o.c.
₹ 3 3	HAK MAC	HAKONECHLOA MACRA JAPANESE FOREST GRASS	2 GAL.	AS SHOWN
300	HEB WES	HEBE X 'WESTERN HILLS' WESTERN HILLS HEBE	5 GAL.	36" o.c.

SYMBOL	CODE	BOTANICAL / COMMON NAME	SIZE	SPACING
SHRUBS				
+	HEL SAP	HELICTOTRICHON SEMPERVIRENS 'SAPPHIRE' SAPPHIRE BLUE OAT GRASS	2 GAL.	24" o.c.
£3	HEM ORO	HEMEROCALLIS X 'STELLA DE ORO' STELLA DE ORO DAYLILY	2 GAL.	24" o.c.
, 	LIR BIG	LIRIOPE MUSCARI 'BIG BLUE' BIG BLUE LILYTURF	2 GAL.	AS SHOWN
	NAN LEM	NANDINA DOMESTICA 'LEMON-LIME' LEMON-LIME HEAVENLY BAMBOO	5 GAL.	42" o.c.
£	ROS HIL	ROSMARINUS OFFICINALIS 'HILL'S HARDY' HILL'S HARDY ROSEMARY	5 GAL.	36" o.c.
+	SAL CAR	SALVIA NEMOROSA 'CARADONNA' CARDONNA MEADOW SAGE	1 GAL.	24" o.c.
	SES AUT	SESLERIA AUTUMNALIS AUTUMN MOOR GRASS	1 GAL.	24" o.c.
•	SPI BET	SPIRAEA BETULIFOLIA 'TOR GOLD' GLOW GIRL BIRCHLEAF SPIREA	5 GAL.	42" o.c.
GROUND	COVERS			
	GAU SHA	GAULTHERIA SHALLON SALAL	1 GAL.	24" o.c.
	RUB CAL	RUBUS CALYCINOIDES 'EMERALD CARPET' EMERALD CARPET CREEPING BRAMBLE	1 GAL.	24" o.c.

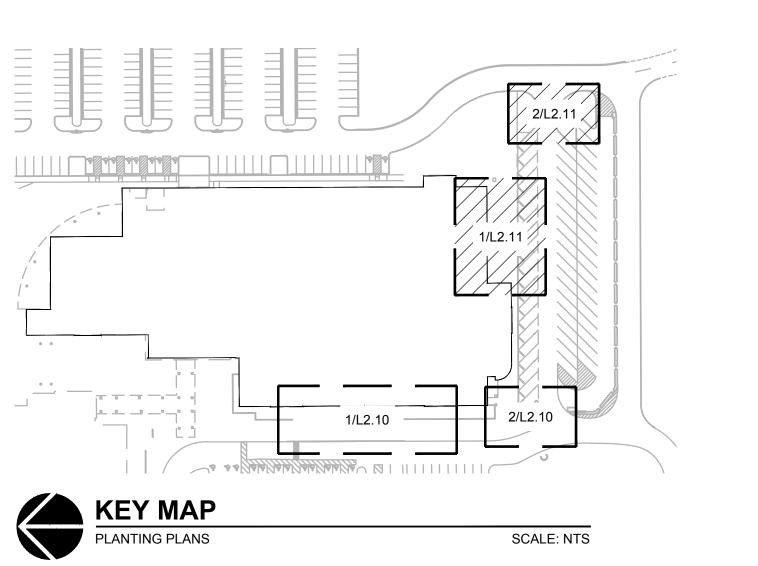
NOTES

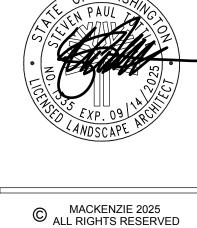
REFERENCE L2.10 FOR PLANTING AND IRRIGATION NOTES.

KEYNOTES

- EXISTING LANDSCAPE. PROTECT FROM DAMAGE DURING CONSTRUCTION. REPAIR AND REPLACE TO PRE-CONSTRUCTION CONDITIONS.
- LANDSCAPE BOULDERS, SEE DETAIL 6/L5.10.
 MODIFY EXISTING IRRIGATION SYSTEM AS REQUIRED TO PROVIDE FULLY FUNCTIONAL SYSTEM. PROVIDE SLEEVING TO NEW PLANTING AREAS. CONNECT NEW ZONES TO EXISTING MAINLINE AND CONTROLS.
- SEE SPECS.

 4. CONNECT PLANTERS TO AUTOMATIC DRIP SYSTEM.
- 5. CANOPY ABOVE.





Planning - Engineering

Portland, OR 503.224.9560

Vancouver, WA 360.695.7879

Seattle, WA 206.749.9993

www.mackenzie.inc

MACKENZIE.

City of Puyallup

Puyallup Public Safety Building

1015 39th Avenue SE, Puyallup, WA, 98374

MACKENZIE 2025
ALL RIGHTS RESERVED

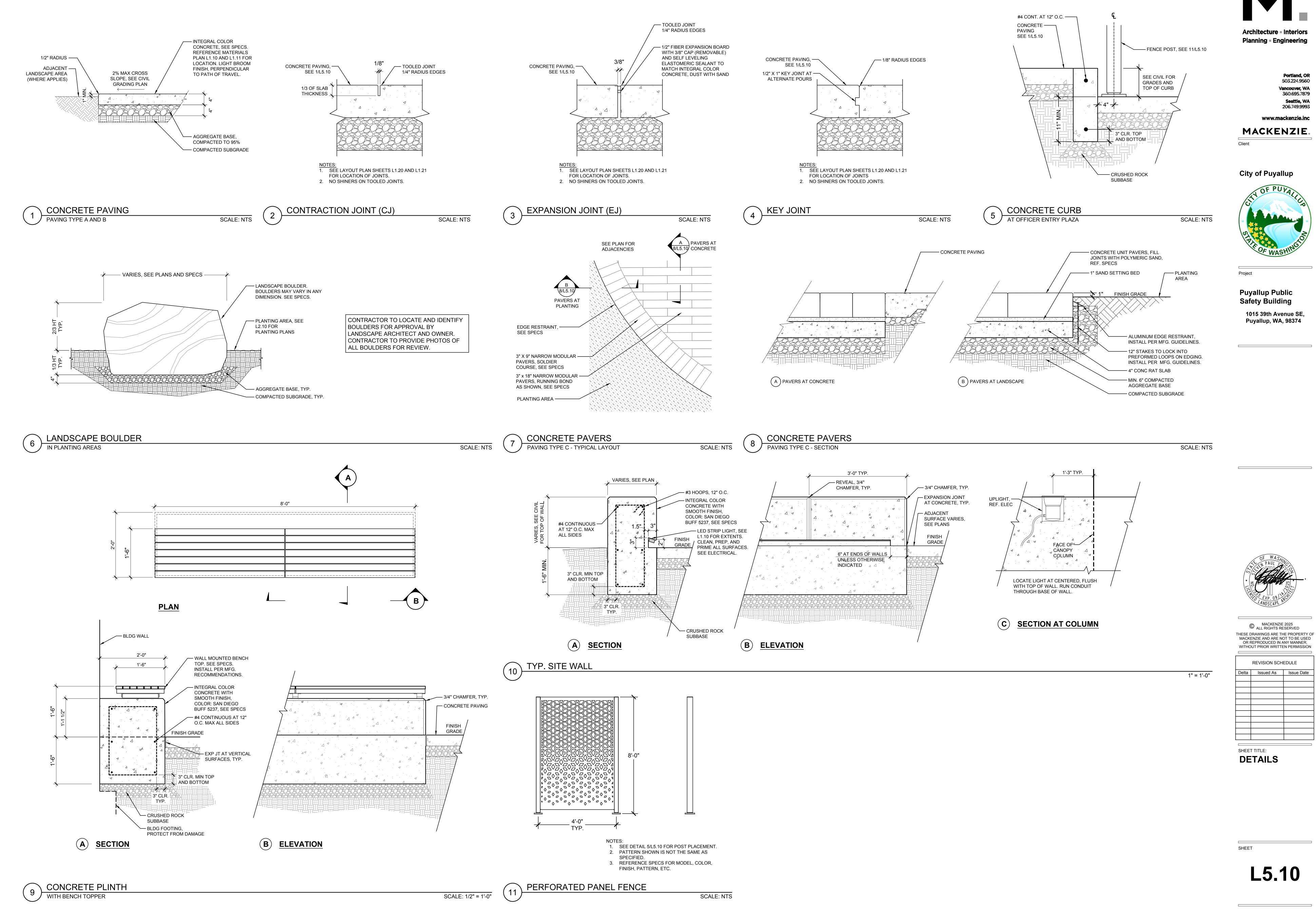
THESE DRAWINGS ARE THE PROPERTY OF
MACKENZIE AND ARE NOT TO BE USED
OR REPRODUCED IN ANY MANNER,
WITHOUT PRIOR WRITTEN PERMISSION

REVISION SCHEDULE			
Delta	Issued As	Issue Date	

SHEET TITLE:
PLANTING
PLAN

_____ ≣T

L2.11

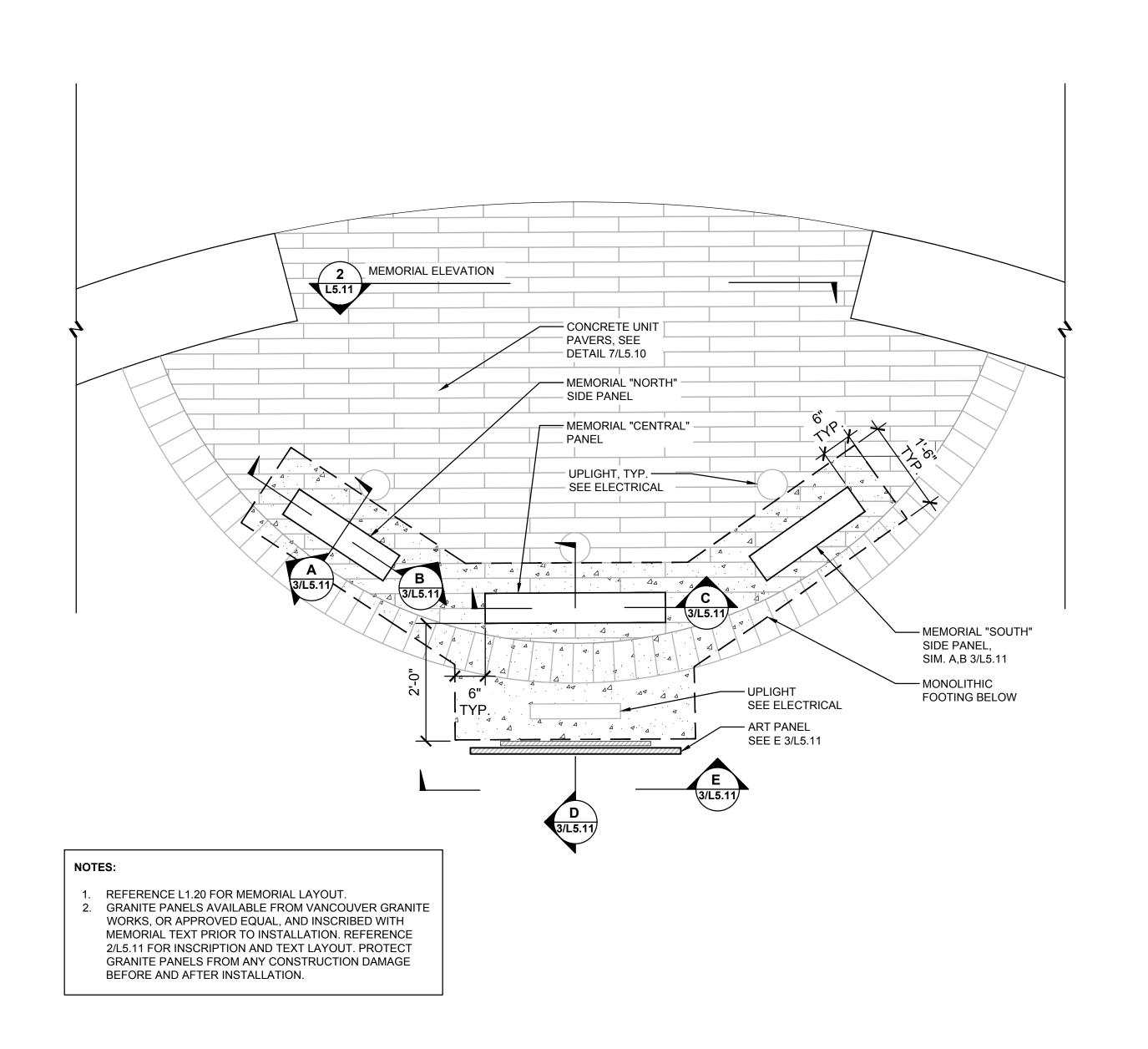


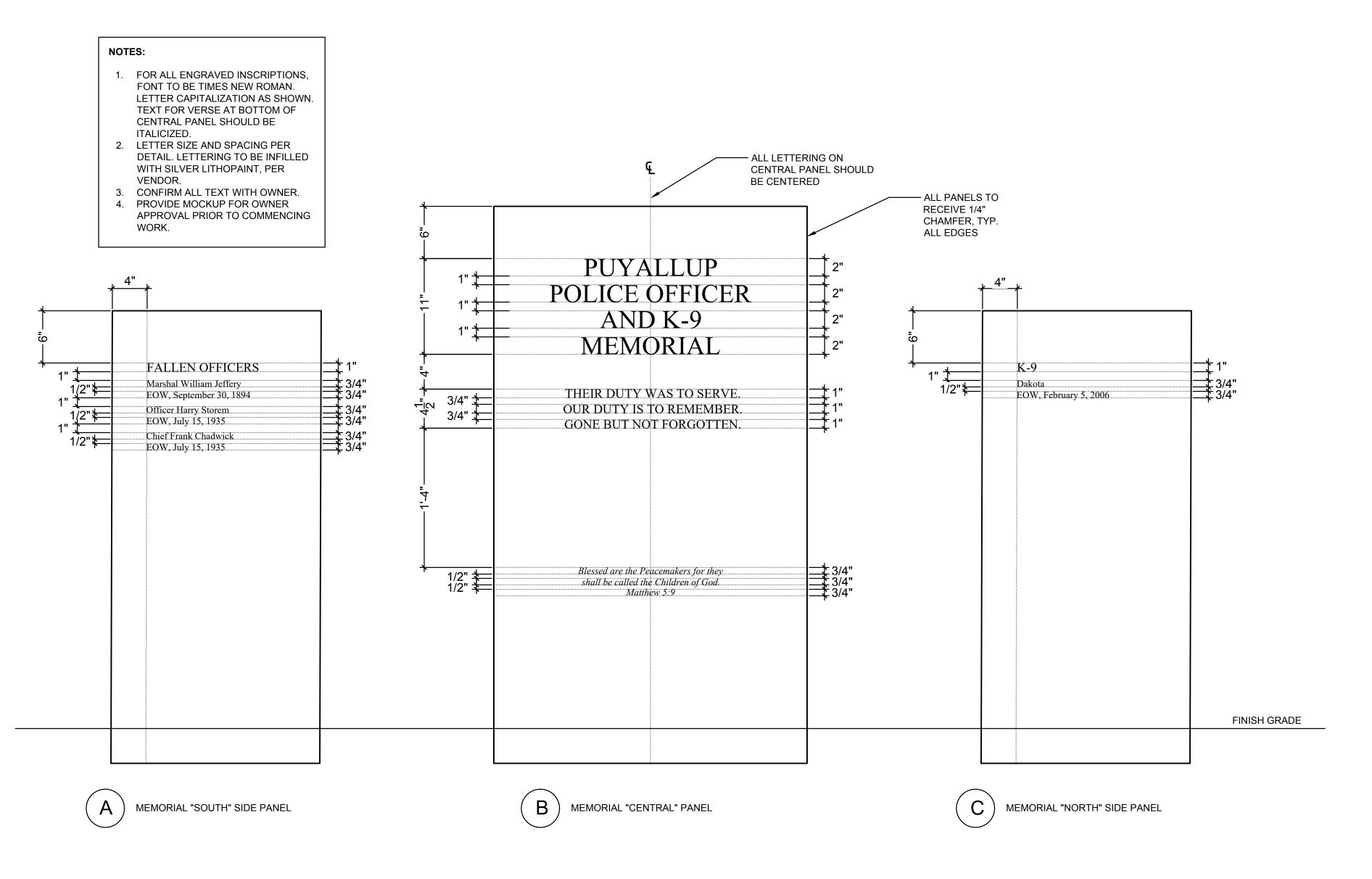
JOB NO. **2170269.07**

Portland, OR 503.224.9560

Vancouver, WA 360.695.7879

Seattle, WA 206.749.9993





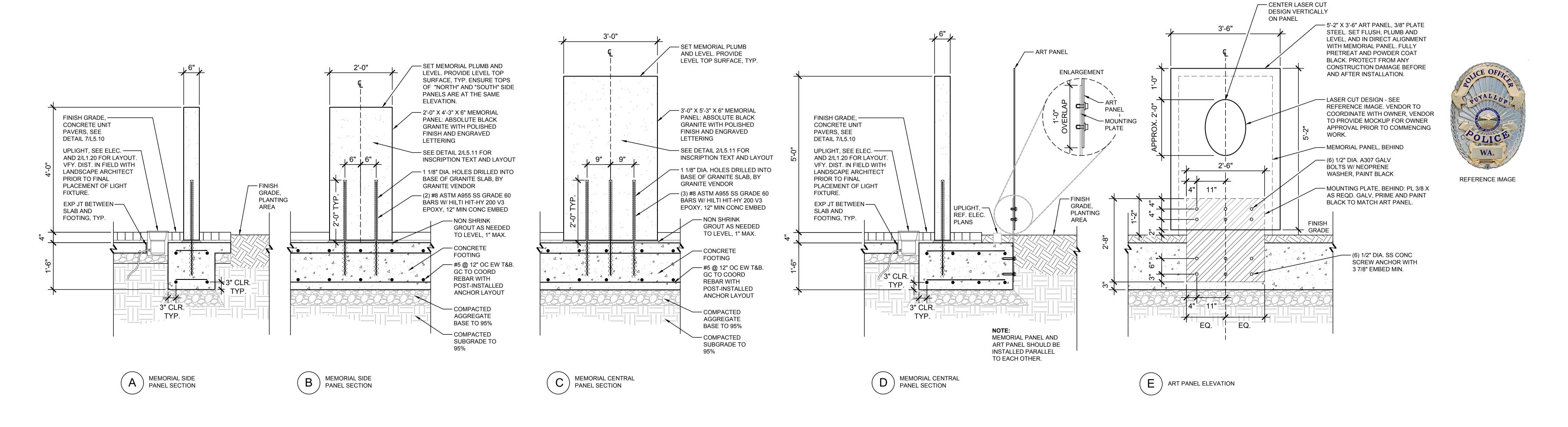
MEMORIAL AND ART PANEL - PLAN

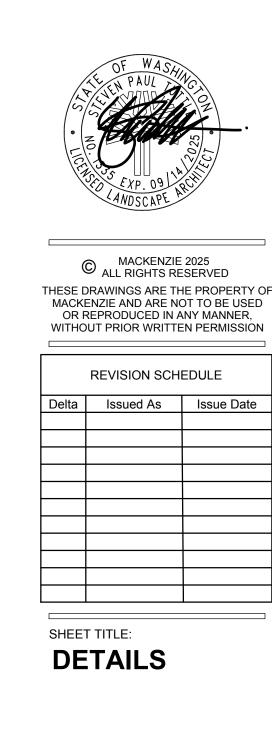
SILEVATION

1/8" = 1'-0"

MEMORIAL - INSCRIPTIONS

ELEVATION





Planning - Engineering

Portland, OR 503.224.9560

Vancouver, WA 360.695.7879

Seattle, WA 206.749.9993

www.mackenzie.inc

MACKENZIE.

City of Puyallup

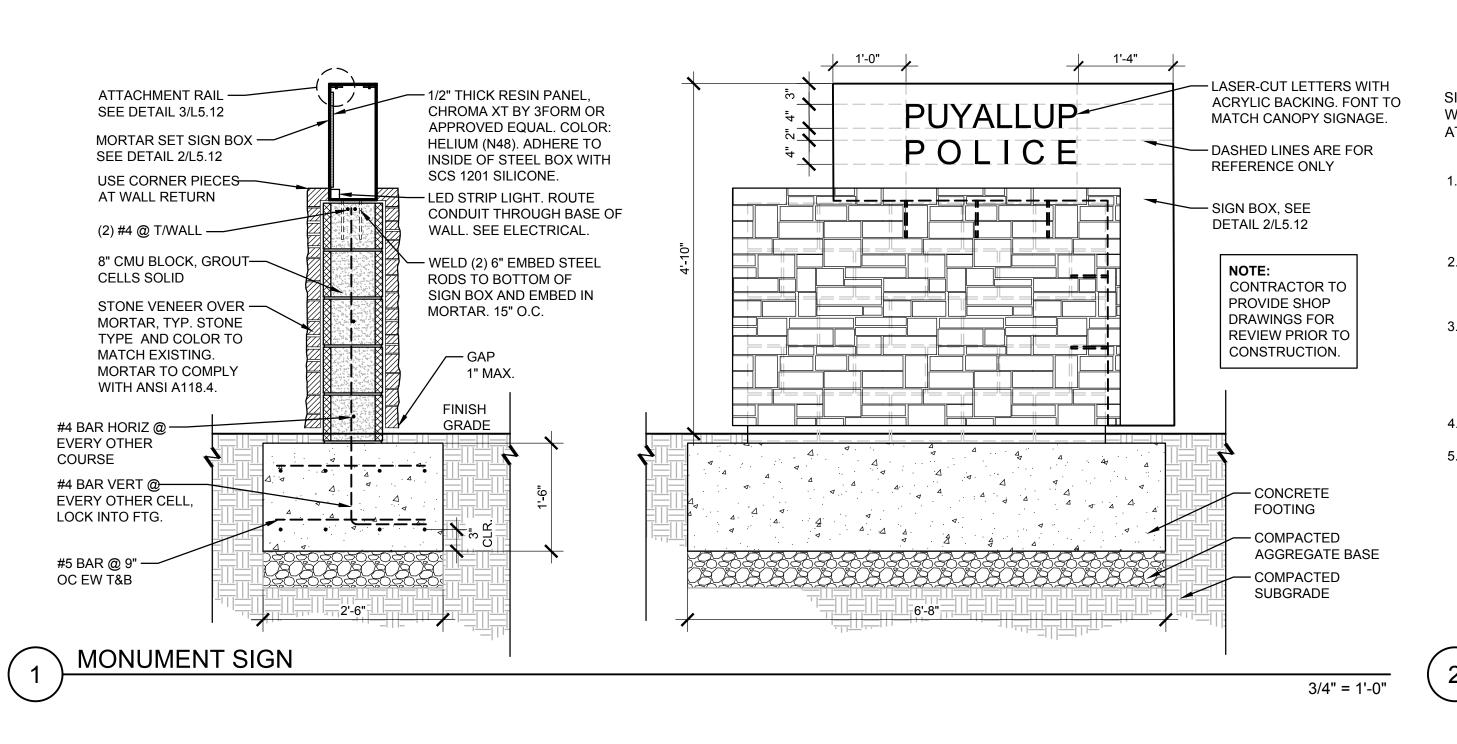
Puyallup Public Safety Building

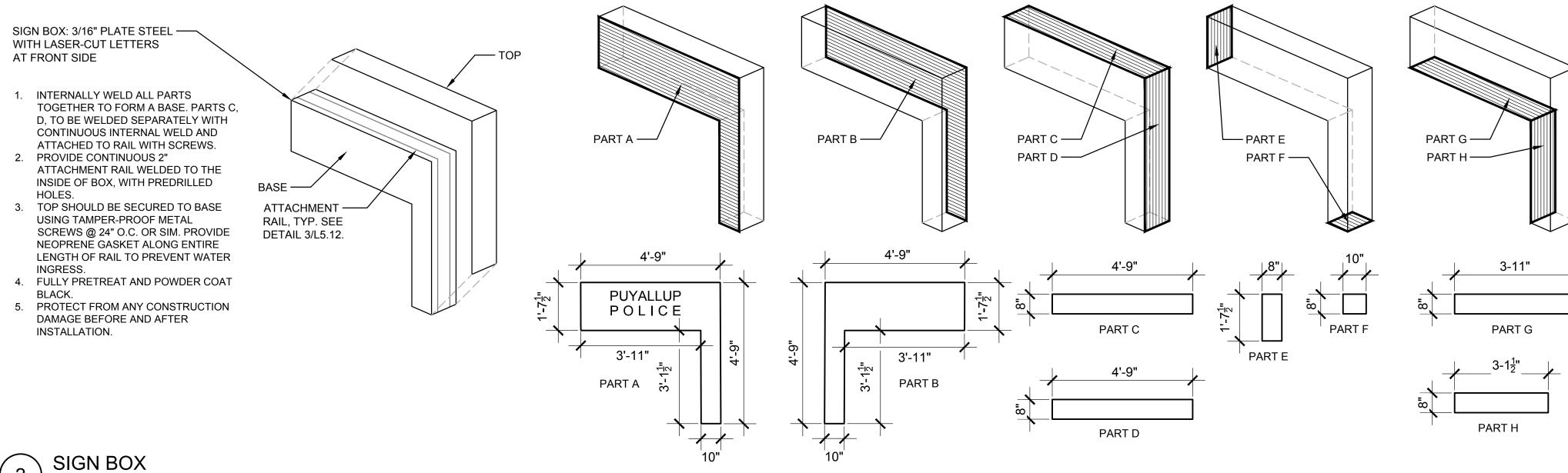
1015 39th Avenue SE, Puyallup, WA, 98374

SHEET

L5.11

1/16" = 1'-0"





NEOPRENE GASKET

1/8" STEEL ATTACHMENT RAIL

TACK WELD AS REQD

ATTACHMENT RAIL DETAIL

SCALE: NTS

Architecture - Interiors
Planning - Engineering

Portland, OR 503.224.9560 Vancouver, WA 360.695.7879 Seattle, WA 206.749.9993 www.mackenzie.inc

MACKENZIE.

City of Puyallup



Project

SCALE: NTS

Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374



MACKENZIE 2025
ALL RIGHTS RESERVED

THESE DRAWINGS ARE THE PROPERTY OF
MACKENZIE AND ARE NOT TO BE USED
OR REPRODUCED IN ANY MANNER,
WITHOUT PRIOR WRITTEN PERMISSION

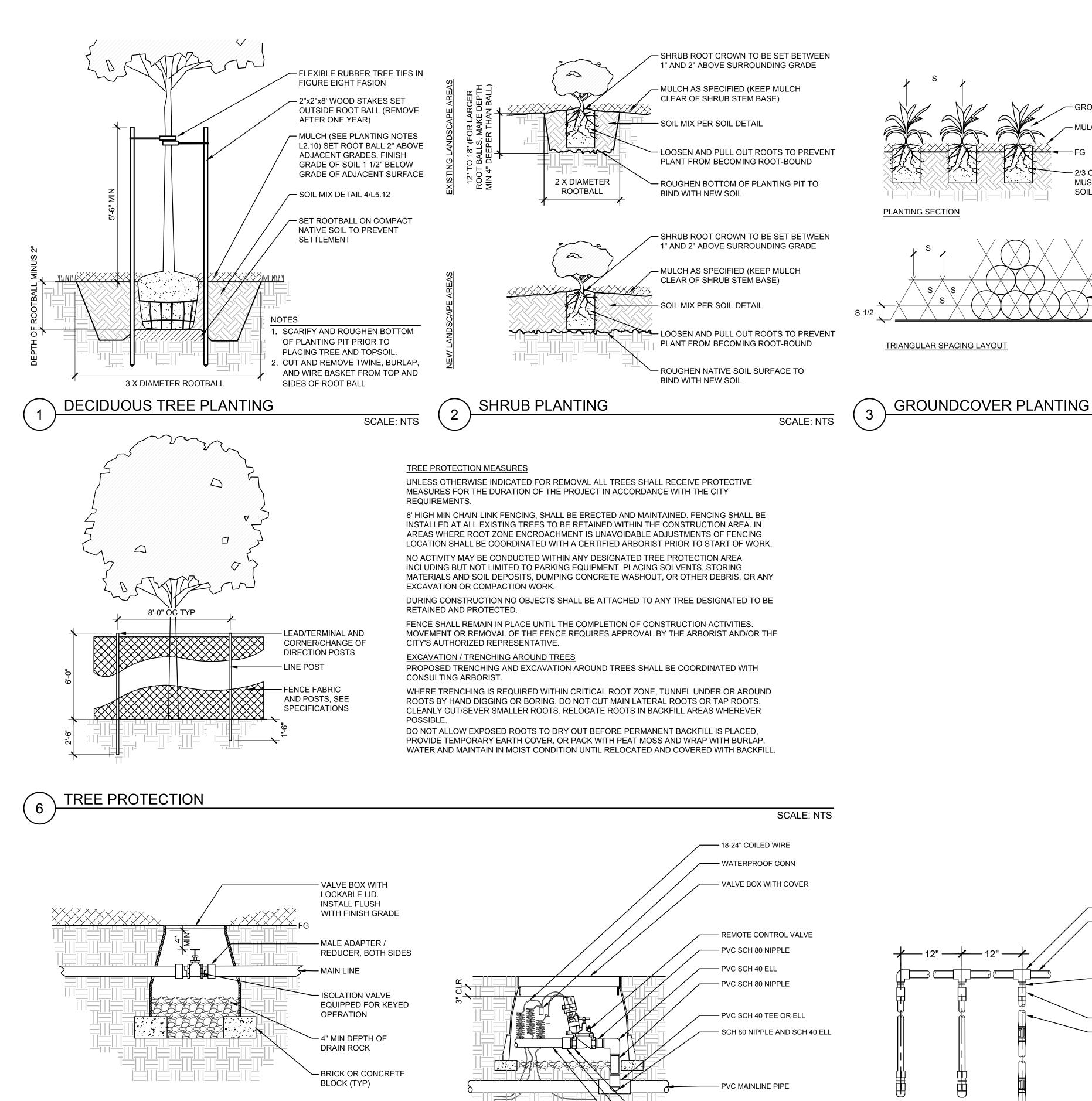
	REVISION SCHEDULE				
Delta	Issued As	Issue Date			

SHEET TITLE:

DETAILS

SHEET

L5.12



NOTE

1. ADAPTER AND FITTINGS TO BE SAME SIZE AS ISOLATION VALVE.

SCALE: NTS

ISOLATION VALVE

- UNION, EACH SIDE OF VALVE

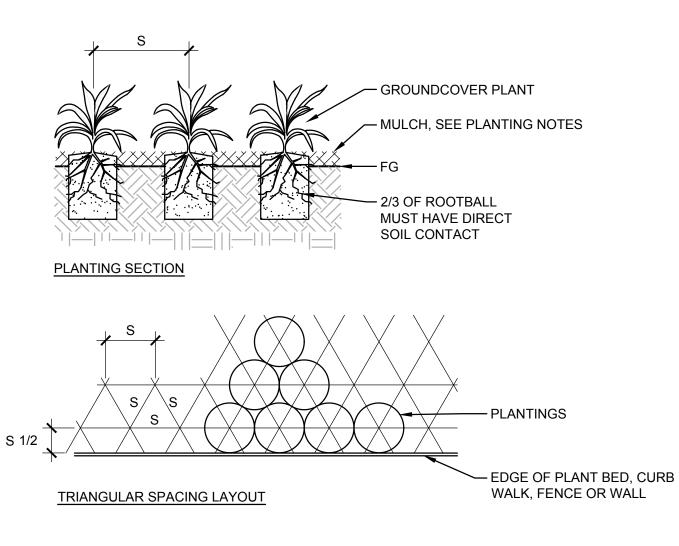
PVC SCH 40 MALE ADAPTER

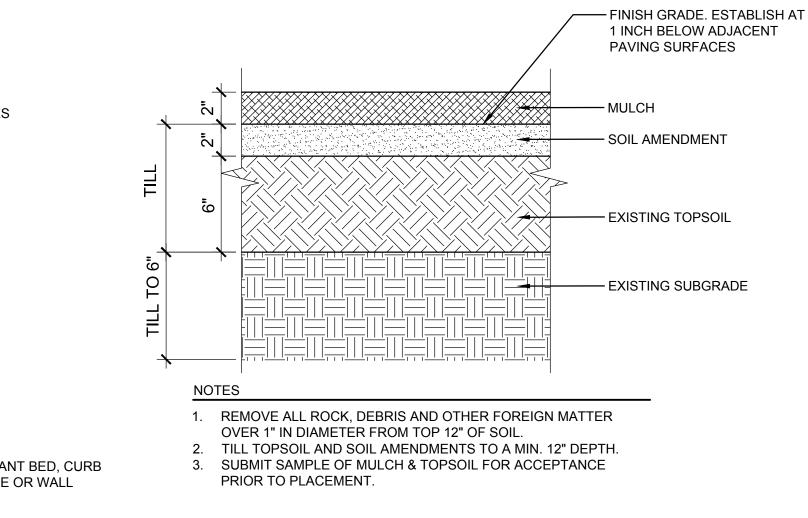
SCALE: NTS

DRIPLINE LATERALS

- PVC LATERAL PIPE

ELECTRIC REMOTE CONTROL VALVE





STANDARD SOIL PREPARATION

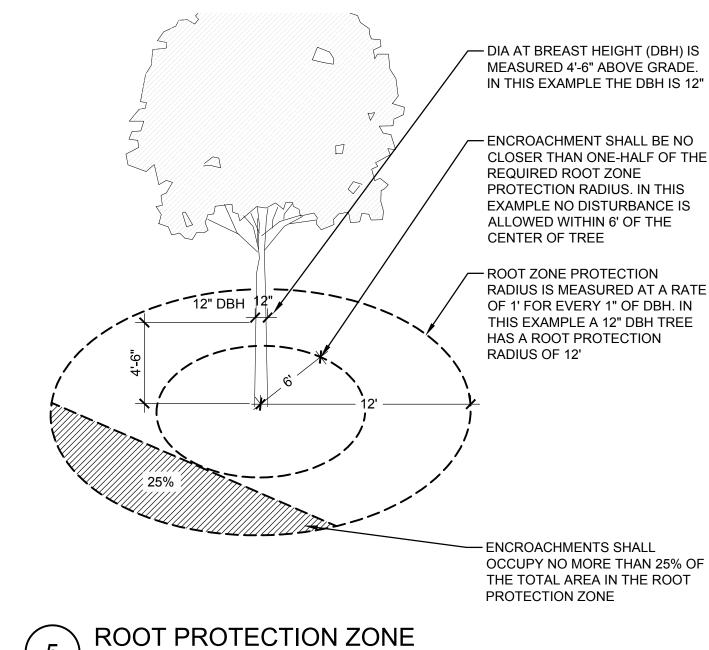
SCALE: NTS

SCALE: NTS

EXISTING TOPSOIL

SCALE: NTS

SCALE: NTS



IN THIS EXAMPLE THE DBH IS 12" CLOSER THAN ONE-HALF OF THE RADIUS IS MEASURED AT A RATE OCCUPY NO MORE THAN 25% OF

City of Puyallup

SCALE: NTS

Architecture - Interiors

Planning - Engineering

Portland, OR

503.224.9560

360,695,7879

Seattle, WA

206.749.9993

www.mackenzie.inc

MACKENZIE.

Vancouver, WA

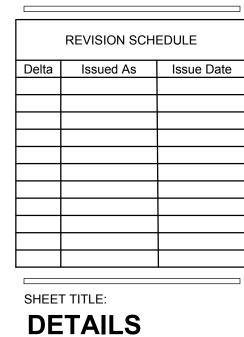
Puyallup Public Safety Building 1015 39th Avenue SE, Puyallup, WA, 98374

— TEE OR ELL - LATERAL PIPE — COMPRESSION TEE — TOP OF MULCH — TIE DOWN STAKE, QTY AS REQ — COMPRESSION ADAPTER — LANDSCAPE DRIPLINE TUBING TIE DOWN STAKES — COMPRESSION COUPLING EVERY 5'-0" AND WITHIN 1' OF ALL FITTING OUTLETS — LANDSCAPE DRIPLINE TUBING — LANDSCAPE DRIPLINE TUBING — COMPRESSION TEE, QTY AS REQ —— 1/2" POLYETHYLENE TUBING COMPRESSION COUPLING - COMPRESSION FLUSH CAP

DRIPLINE ON GRADE

© MACKENZIE 2025 ALL RIGHTS RESERVED THESE DRAWINGS ARE THE PROPERTY OF MACKENZIE AND ARE NOT TO BE USED OR REPRODUCED IN ANY MANNER, WITHOUT PRIOR WRITTEN PERMISSION

SCALE: NTS



L5.13

JOB NO. **2170269.07**

DRIPLINE AROUND TREE