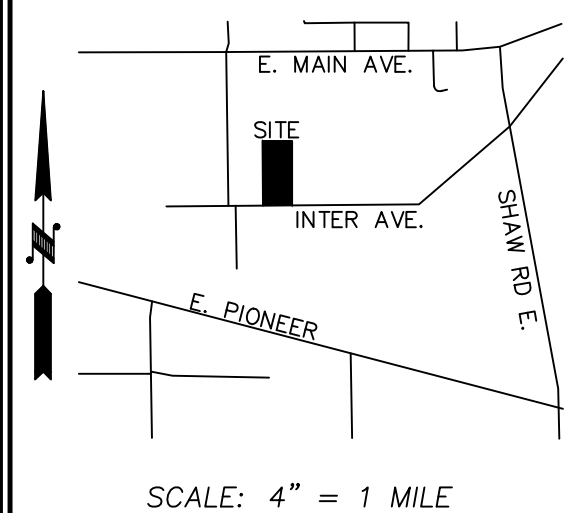


VICINITY MAP



SHEET INDEX

C0.0	1 OF 7	COVER SHEET
C1.0	2 OF 7	T.E.S.C. & PLAN
C1.1	3 OF 7	T.E.S.C. SPECIFICATIONS
C2.0	4 OF 7	STORM PLAN
C2.1	5 OF 7	DETAILS AND SPECIFICATIONS
C2.2	6 OF 7	DETAILS AND SPECIFICATIONS
C2.3	7 OF 7	DETAILS AND SPECIFICATIONS

PROPERTY DESCRIPTION

(PER DEED OF TRUST, AFN 201810030016)
 LOT 7, ACKERSON'S ADDITION TO PUYALLUP, ACCORDING TO THE
 PLAT RECORDED IN VOLUME 8 OF PLATS, PAGE 25, RECORDS OF
 PIERCE COUNTY, WASHINGTON.
 SITUATE IN THE COUNTY OF PIERCE, STATE OF WASHINGTON.

CONSTRUCTION NOTES:

- CONTRACTOR TO REMOVE AND RELOCATE FIRE HYDRANT ASSEMBLY AS SHOWN. SEE FIRE HYDRANT ASSEMBLY DETAIL ON SHEET C2.2. CONTRACTOR TO PROVIDE NEW 8"X8"X6" HYDRANT TEE W/ 6" GATE VALVE AND 8"MT PLUG ON NORTH SIDE OF HYDRANT TEE W/ THRUST BLOCKING. CONTRACTOR TO INSTALL A MINIMUM OF 2 FEET OF 6"DI(CL52) PIPE BEFORE SETTING THE FIRE HYDRANT.
- CONTRACTOR TO CUT OUT EXISTING 8"X8"X6" HYDRANT TEE W/ 6" GATE VALVE AT EXISTING HYDRANT. REPLACE WITH 8"X8"X8" GATE VALVE PER CITY OF PUYALLUP REQUIREMENTS.
- CONTRACTOR TO ENSURE 0.5'(MIN) VERTICAL SEPARATION BETWEEN WATER AND STORMWATER LINES.
- CONTRACTOR TO REMOVE AND REPLACE EXISTING FENCING (AS NECESSARY) TO FACILITATE HYDRANT SPOOL EXTENSION CONSTRUCTION AS SHOWN.
- CONTRACTOR TO INSTALL 90° BEND FITTING IN WATER MAIN WITH THRUST BLOCKING PER CITY OF PUYALLUP REQUIREMENTS.
- CONTRACTOR TO INSTALL POST INDICATOR VALVE (PIV) ON EXISTING FIRE LINE IN FRONT OF THE EXISTING DDCVA FIRE VAULT PER CITY OF PUYALLUP REQUIREMENTS. THE P.I.V. MUST BE INSTALLED A MINIMUM OF 1 FOOT FROM THE EXISTING VAULT. SEE CITY STANDARD ON DETAIL 03.10.03 ON SHEET C2.2.
- CONTRACTOR TO RELOCATE EXISTING FIRE DEPARTMENT CONNECTION (F.D.C.) SO IT IS A MINIMUM OF 10 FEET AND A MAXIMUM OF 15 FEET FROM THE NEW FIRE HYDRANT LOCATION. SEE CITY STANDARD DETAIL 03.10.02 ON SHEET C2.2.
- CONTRACTOR TO "POT HOLE" AND VERIFY WATER MAIN/FIRE LINE LOCATION, DEPTH, PIPE SIZE, CONDITION PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

FIRE HYDRANT RELOCATION NOTE:

FIRE HYDRANT CAN ONLY BE RELOCATED AND REUSED IF NEW DEPTH OF BURY MATCHES EXISTING BURY DEPTH.

LANDSCAPE NOTE:

ALL PLANTING AREAS SHALL BE MULCHED WITH A UNIFORM FOUR (4") INCH LAYER OF ORGANIC COMPOST MULCH MATERIAL OR WOOD CHIPS OVER OVER A PROPERLY CLEANED, AMENDED AND GRADE SUBSURFACE.

IMPERVIOUS AREA

TOTAL = 5,931 SF.
 BUILDING ROOF (NEW) = 5,355 SF.
 "OPEN" STORAGE SHED (REPLACED) = 576 SF.

UTILITY CONFLICT NOTE:

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

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 811 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

CIMCO SALES

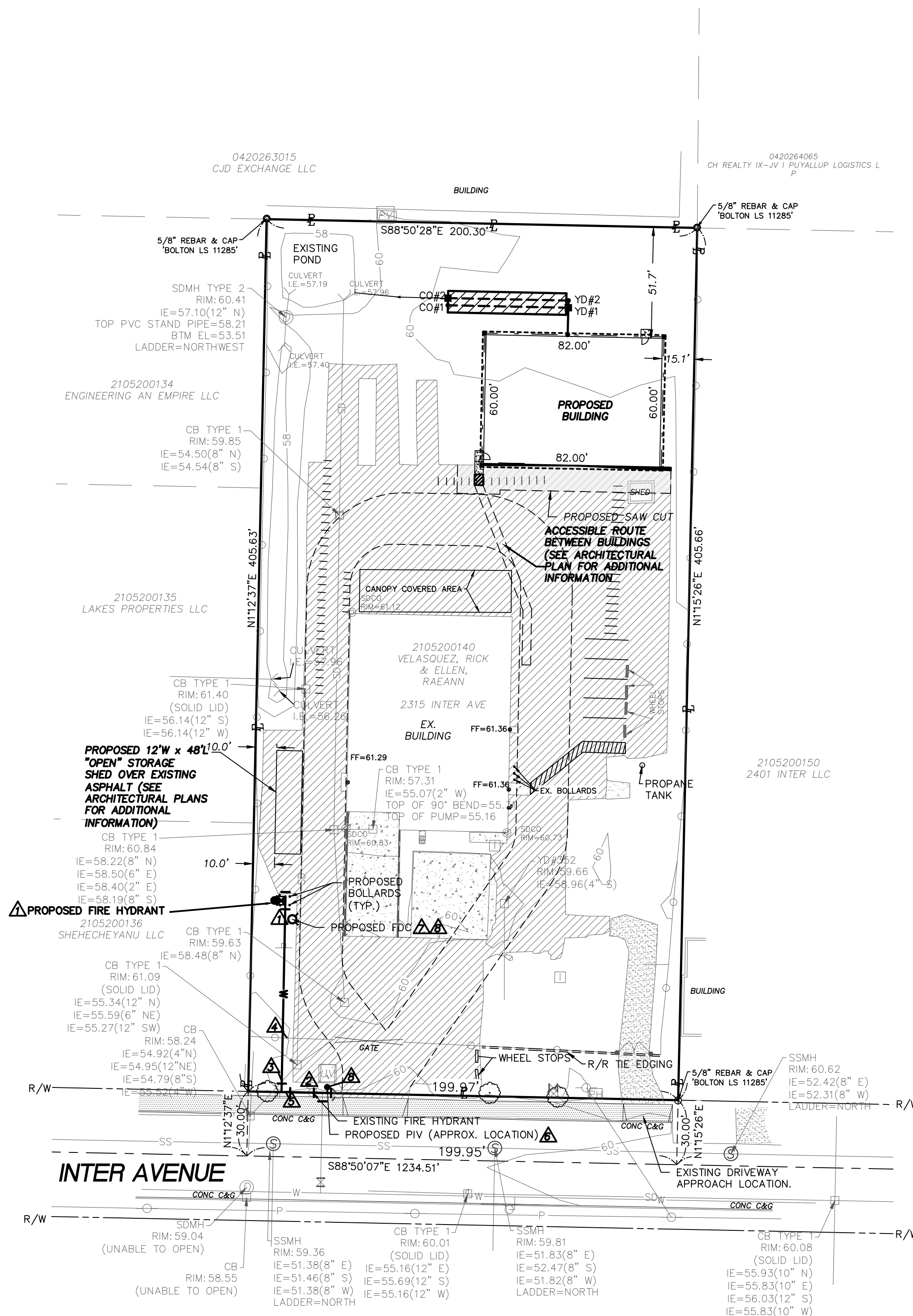
NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.
 COVER SHEET

PARCEL NUMBER

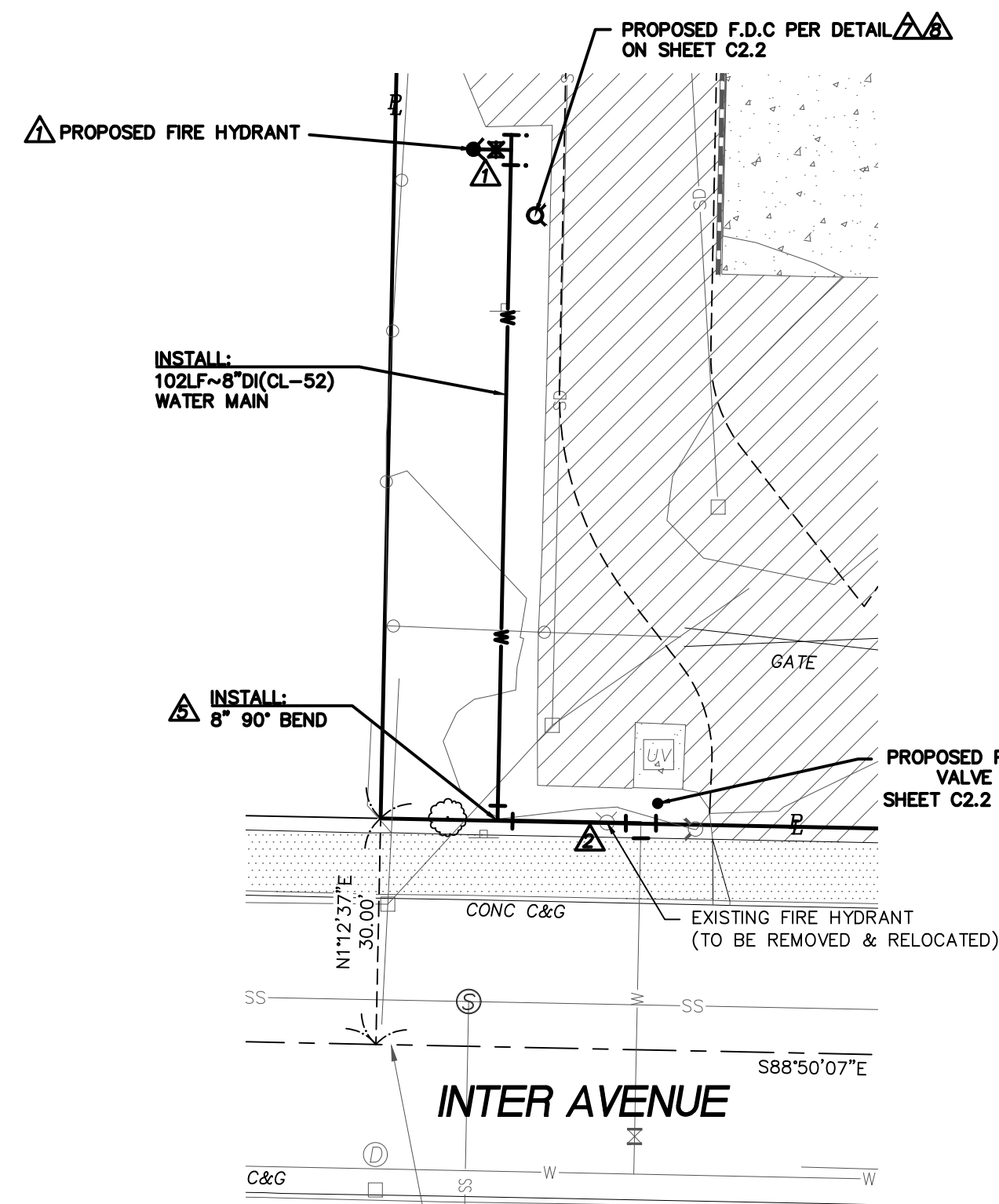
2105200140

SITE ADDRESS

2315 INTER AVE, PUYALLUP, WA 98372



PLAN VIEW
 HORIZONTAL SCALE: 1"=40'



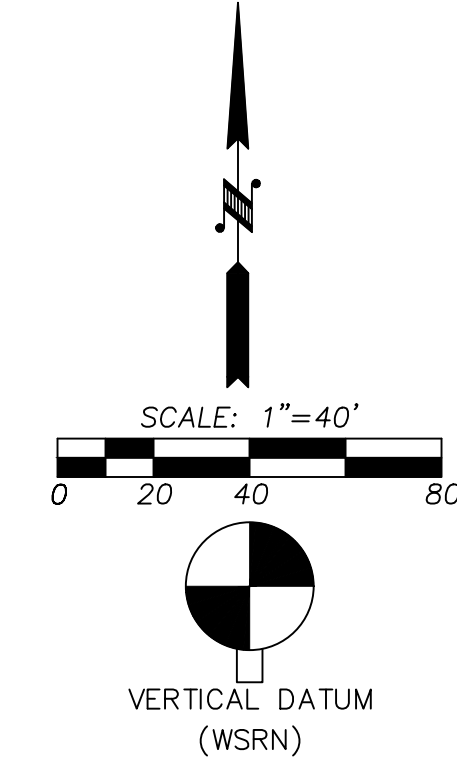
ENLARGED VIEW OF WATER MAIN EXTENSION
 PLAN VIEW
 HORIZONTAL SCALE: 1"=20'

CONTRACTOR / DEVELOPER NOTE:

THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED MATERIAL TESTING, COMPACTION TESTING, AND APPLICABLE INSPECTIONS AS REQUIRED BY CITY OF PUYALLUP AND PRIVATE ENGINEER. THE CONTRACTOR SHALL SUPPLY CERTIFYING ENGINEER WITH DOCUMENTATION SIGNED BY A PROFESSIONAL SOILS AND/OR MATERIALS ENGINEER SHOWING THAT THE ROAD SECTION WAS BUILT ACCORDING TO THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. THE BACKFILL MATERIAL MEETS MINIMUM CITY/STATE REQUIREMENTS, COMPACTION WAS ACHIEVED IN ALL TRENCHES AND ROAD SECTION, AND ALL CONSTRUCTION MATERIALS AND CONSTRUCTION METHODS SHOWN ON THESE PLANS HAVE BEEN FOLLOWED.

REVISION BLOCK			
NO.	DATE	DESCRIPTION	BY
1	8/1/2023	ADDRESS CITY COMMENTS	GJM
		AND ADD NEW "OPEN"	
		STORAGE SHED OVER	
		EXISTING PAVEMENT AS	
		SHOWN.	

<p>FIRE HYDRANT/FDC LOCATION/ACCESS APPROVED</p> <p>BY: CITY OF PUYALLUP FIRE CODE OFFICIAL</p> <p>DATE: _____</p> <p>NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE FIRE CODE OFFICIAL.</p>	<p>APPROVED</p> <p>BY: CITY OF PUYALLUP ENGINEERING DEPARTMENT</p> <p>DATE: _____</p> <p>NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.</p>
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NAVD 88 ESTABLISHED USING GPS RTK ROVER CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK (WSRN) STATIONS

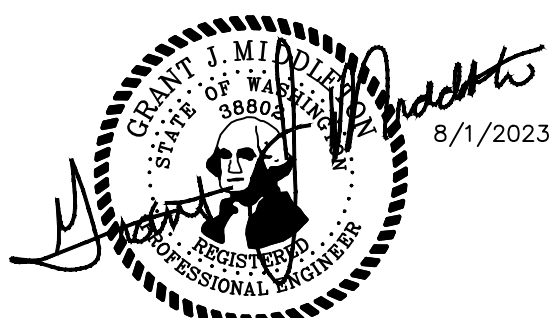
CONTOUR INTERVAL=1'
 TOPOGRAPHY PREPARED BY LARSON & ASSOCIATES

HORIZONTAL DATUM
 NAD 83/11 WASHINGTON SOUTH ZONE
 ESTABLISHED USING GPS RTK ROVER CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK (WSRN) STATIONS

SURVEYOR'S REFERENCES
 (P) ACKERSON'S 2ND ADDITION TO PUYALLUP, AFN 215387
 (R1) RECORD OF SURVEY, 200801255002

LEGEND

[Symbol]	PROPERTY LINE
[Symbol]	EXISTING CONTOUR
[Symbol]	RIGHT OF WAY
[Symbol]	EXISTING WATER MAIN (APPROX. LOCATION)
[Symbol]	EXISTING SEWER MAIN
[Symbol]	EXISTING STORM MAIN
[Symbol]	EXISTING POWER LINE
[Symbol]	EXISTING WIRE FENCE
[Symbol]	EXISTING CHAINLINK FENCE
[Symbol]	PROPOSED STORM LINE
[Symbol]	PROPOSED WATER LINE
[Symbol]	PROPOSED CATCH BASIN/YARD DRAIN
[Symbol]	PROPOSED CLEAN OUT
[Symbol]	PROPOSED POST INDICATOR VALVE
[Symbol]	PROPOSED F.D.C
[Symbol]	PROPOSED FIRE HYDRANT
[Symbol]	PROPOSED WATER VALVE
[Symbol]	EXISTING WATER METER
[Symbol]	EXISTING F.D.C
[Symbol]	EXISTING IRR. BOX
[Symbol]	EXISTING WATER VALVE
[Symbol]	EXISTING FIRE HYDRANT
[Symbol]	EXISTING DDCVA VAULT
[Symbol]	EXISTING CATCH BASIN
[Symbol]	EXISTING STORM MANHOLE
[Symbol]	EXISTING STORM C/O
[Symbol]	EXISTING SEWER MANHOLE
[Symbol]	EXISTING UTILITY POLE
[Symbol]	EXISTING SIDEWALK
[Symbol]	EXISTING PAVEMENT
[Symbol]	EXISTING CONCRETE
[Symbol]	PROPOSED PAVEMENT GRIND/OVERLAY AREA
[Symbol]	EXISTING TREE



<p>JOB NUMBER 9575</p> <p>SCALE HOR: 1"=40' VERT: N/A</p> <p>DESIGNED JLC</p> <p>DRAWN DWN</p> <p>CHECKED GJM</p>	<p>PROPOSED: RICK VELASQUEZ 13615 122ND ST E PUYALLUP, WA 98374 PH: (253) 224-4428</p> <p>LARSON and ASSOCIATES surveyors, engineers & planners 9027 PACIFIC AVENUE, SUITE 4 TACOMA, WA 98444 (253) 474-3404</p>	<p>DATE 8/1/2023</p> <p>DRAWING NO. 9575BASE</p> <p>SHEET 1 OF 7</p>
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CIMCO SALES

NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.
T.E.S.C. PLAN

APPROVED

BY _____
CITY OF PUYALLUP
ENGINEERING DEPARTMENT

DATE _____

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

JOB NUMBER
9575

SCALE	HOR. 1"=40'	VERT. N/A
DESIGNED JLC	DWN	CHECKED GJM
DRAWN		

PROPOSED: RICK VELASQUEZ
13615 122ND ST E
PUYALLUP, WA 98374
PH: (253) 224-4428

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PROPOSED: RICK VELASQUEZ
13615 122ND ST E
PUYALLUP, WA 98374

DATE
8/1/2023
DRAWING NO.
9575BASE
SHEET 2 OF 2

CONSTRUCTION NOTES

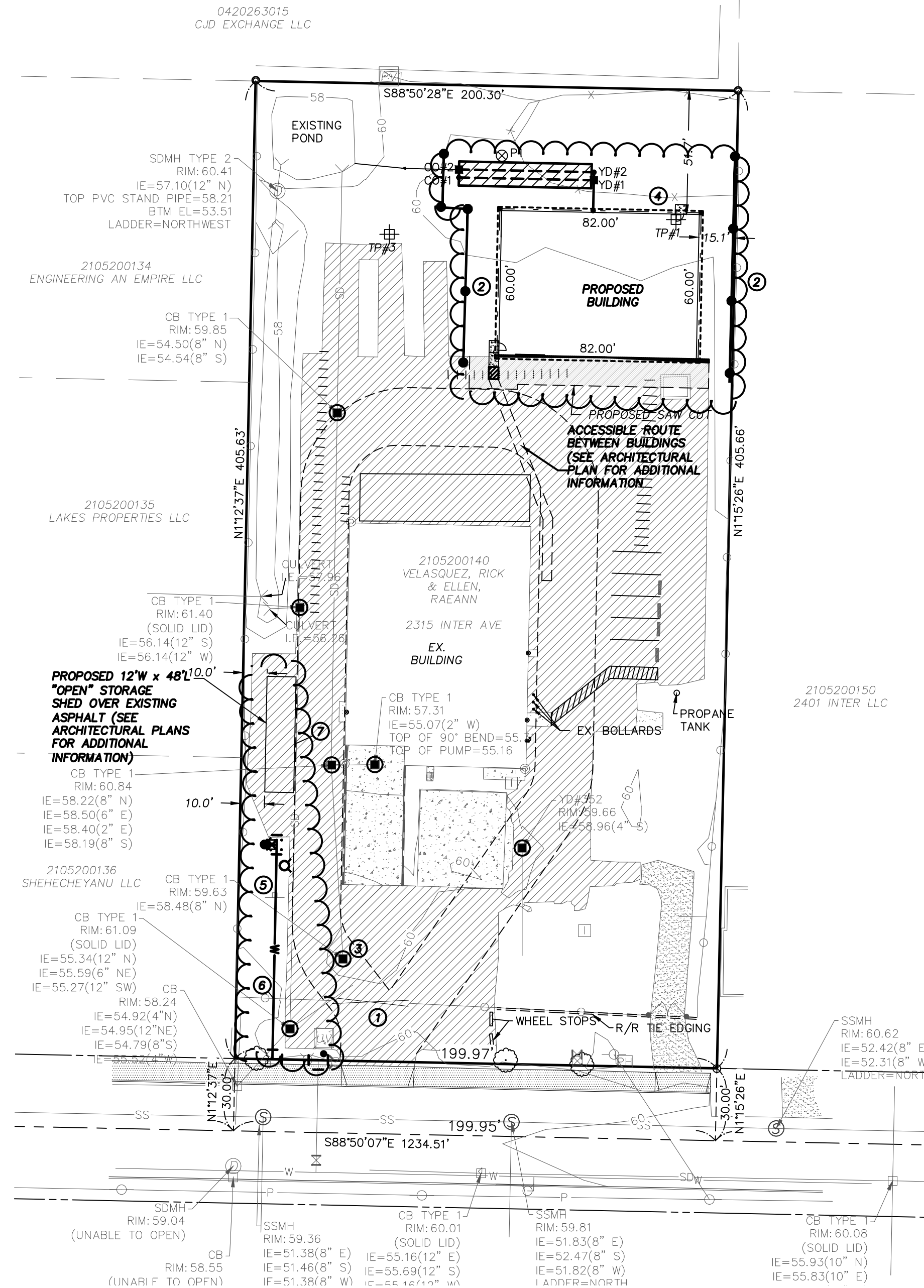
- CONTRACTOR TO UTILIZE EXISTING ACCESS TO THE PROPERTY FOR CONSTRUCTION.
- CONTRACTOR TO INSTALL MIRAFI SILT FENCE AS SHOWN AND PER DETAIL ON C1.1
- CONTRACTOR TO INSTALL CB INLET PROTECTION AT EXISTING CATCHBASINS AS SHOWN AND PER DETAIL ON SHEET C1.1
- CONTRACTOR TO REMOVE EX. WIRE FENCING TO ALLOW FOR CONSTRUCTION ACTIVITIES.
- CONTRACTOR TO RELOCATE EXISTING SIGN (AS NECESSARY) TO FACILITATE WATER MAIN EXTENSION CONSTRUCTION WORK FOR NEW/RELOCATED FIRE HYDRANT.
- CONTRACTOR TO REMOVE AND REPLACE EXISTING FENCING TO "LIKE KIND" TO ALLOW FOR WATER MAIN EXTENSION CONSTRUCTION WORK AS SHOWN.
- CONTRACTOR TO "POTHOLE" EXISTING STORM LINE TO VERIFY LOCATION PRIOR TO SETTING BUILDING POST FOUNDATIONS TO ENSURE THE BUILDING FOOTPRINT IS POSITIONED OUTSIDE OF THE STORM LINE WHILE ALSO MEETING CITY BUILDING SETBACK REQUIREMENTS FROM PROPERTY LINES.

INSPECTION SCHEDULE

- CONSTRUCTION ENTRANCE SHALL BE INSPECTED WEEKLY & CLEANED AS NEEDED OR NEW SPALLS ADDED AS NEEDED TO MAINTAIN A ROUGH SURFACE.
- THE EXISTING ACCESS ROUTES INTO THE PROJECT SITE SHALL BE INSPECTED EVERY 2 DAYS & SWEEP OR CLEANED ON A WEEKLY BASIS OR MORE FREQUENTLY IF NEEDED.
- ALL CUT & FILL SIDE SLOPES SHALL BE INSPECTED EVERY 2 DAYS AND/OR AFTER EVERY STORM EVENT TO REPAIR ANY EROSION OR SLOPE SCOURING.
- INSPECT CB. INLET PROTECTION ON A WEEKLY BASIS AND AFTER EVERY MAJOR STORM EVENT.

CONSTRUCTION SEQUENCE

- HOLD A PRE-CONSTRUCTION MEETING WITH THE CITY AND OBTAIN REQUIRED PERMITS.
- ESTABLISH CLEARING AND GRADING LIMITS.
- UTILIZE EXISTING PAVED ACCESS FOR CONSTRUCTION VEHICLE ACCESS.
- INSTALL CATCH BASIN INLET PROTECTION AND SEDIMENT CONTROL DEVICES IN ALL EXISTING CATCH BASINS WITHIN DIRECT VICINITY OF THE PROJECT.
- SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY.
- CLEAR AND GRADE SITE AND CONSTRUCT STORM DRAIN SYSTEM PER APPROVED PLANS.
- PROVIDE C.B. INLET PROTECTION IN NEW CATCH BASINS UNTIL PARKING LOT STORM DRAIN SYSTEM IS COMPLETED AND THE SITE IS COMPLETELY STABILIZED AND PROTECTED FROM EROSION & SEDIMENTATION.
- NOTE: THE BUILDING CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF STORM SYSTEM DURING BUILDING AND LANDSCAPE CONSTRUCTION.
- HYDRO SEED AND/OR MULCH SLOPES AND OTHER EXPOSED AREAS IMMEDIATELY AFTER GRADING IS COMPLETED AS OUTLINED IN "EROSION CONTROL NOTES".
- CLEAN OUT AND TEST ALL STORM DRAIN FACILITIES.
- INSPECT AND MAINTAIN ALL EROSION CONTROL FACILITIES (I.E. CB INLET PROTECTION BMPs) AT REGULAR INTERVALS & COMPLETE REQUIRED REPORT. CLEAN AS REQUIRED UNTIL RISK OF SEDIMENTATION HAS PASSED.



NOTES

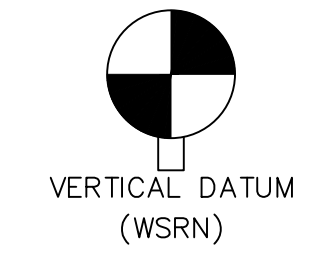
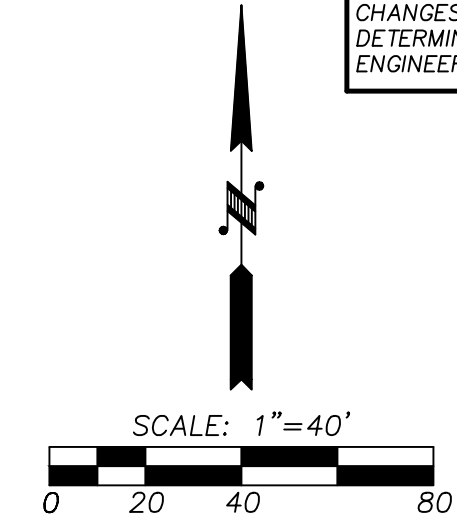
- ALL FILL SHALL BE CLEAN EARTHEN MATERIAL ONLY, WITH NO CONCRETE, GARBAGE, SOLID WASTE OR ANY OTHER UNACCEPTABLE MASS.
- ALL ASBESTOS ENCOUNTERED MUST BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH PUGET SOUND AIR POLLUTION CONTROL AGENCY (PSAPCA) AND TACOMA-PIERCE COUNTY HEALTH DEPARTMENT REGULATIONS.
- ALL DEMOLITION MATERIAL MUST GO TO A LICENSED SOLID WASTE HANDLING OR DISPOSAL FACILITY.
- ALL SEPTIC TANKS SHALL BE PUMPED BY A CERTIFIED SEPTIC HAULER, FILLED WITH SOIL AND A DECOMMISSIONING APPLICATION COMPLETED PER TACOMA-PIERCE COUNTY HEALTH DEPARTMENT REQUIREMENTS.
- CONTRACTOR SHALL OBTAIN DEMOLITION PERMIT AS REQUIRED PRIOR TO ANY DEMOLITION OR STRUCTURE REMOVAL.
- ALL SLOPES SHALL MAINTAIN MINIMUM SETBACKS IN ACCORDANCE WITH THE GRADING NOTES ON SHEET C1.1.
- THE OWNER'S RETAINED GEOTECHNICAL ENGINEER SHALL TEST ALL FILL MATERIAL & OBTAIN SUFFICIENT COMPACTION TESTS TO VERIFY SOIL STABILITY.
- EROSION CONTROL MEASURES OTHER THAN THOSE SPECIFIED MAY BE NEEDED TO PREVENT MIGRATION OF SEDIMENT. SEE SHEETS C1.1 FOR ADDITIONAL MEASURES.
- CONTRACTOR TO HAVE EQUIPMENT AND MATERIALS I.E.: STRAW, 12" & 18" CMP, QUARRY SPALLS, TEMP RISER STRUCTURES, ETC. ON-SITE DURING CONSTRUCTION FOR EMERGENCY SITUATIONS. CONTRACTOR TO DEVELOP PLAN OF ACTION FOR EROSION MEASURES PRIOR TO STARTING CONSTRUCTION.
- PRIOR TO START OF CONSTRUCTION, A NPDES PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF ECOLOGY IF NEEDED.
- PRIOR TO START OF CONSTRUCTION, A FOREST PRACTICE PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, IF NEEDED.
- TO LIMIT IMPACTS TO NEIGHBORING PROPERTIES, DUST CONTROL WILL BE REQUIRED.

UTILITY CONFLICT NOTE:

CAUTION:
THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR VERIFYING THE LOCATION, AND DEPTH OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT BY POTHOLES THE UTILITIES AND SURVEYING THE HORIZONTAL AND VERTICAL LOCATION PRIOR TO CONSTRUCTION. THIS SHALL INCLUDE CALLING UTILITY LOCATE @ B11 AND THEN POTHOLES ALL OF THE EXISTING UTILITIES AT LOCATIONS OF NEW UTILITY CROSSINGS TO PHYSICALLY VERIFY WHETHER OR NOT CONFLICTS EXIST. LOCATION OF SAID UTILITIES AS SHOWN ON THESE PLANS ARE BASED UPON THE UNVERIFIED PUBLIC INFORMATION AND ARE SUBJECT TO VARIATION. IF CONFLICTS SHOULD OCCUR, THE CONTRACTOR SHALL CONSULT THE PROJECT ENGINEER TO RESOLVE ALL PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.

CALL BEFORE YOU DIG

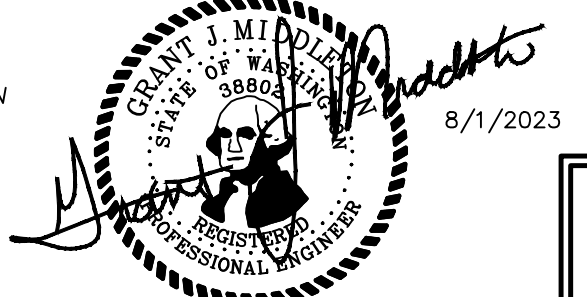
THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT B11 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.



NAVD 88 ESTABLISHED USING GPS RTK ROVER
CONSTRAINED TO THE WASHINGTON STATE
REFERENCE NETWORK (WSRN) STATIONS
CONTOUR INTERVAL=1'
TOPOGRAPHY PREPARED BY LARSON & ASSOCIATES
HORIZONTAL DATUM
NAD 83/11 WASHINGTON SOUTH ZONE
ESTABLISHED USING GPS RTK ROVER CONSTRAINED TO THE
WASHINGTON STATE REFERENCE NETWORK (WSRN) STATIONS
SURVEYOR'S REFERENCES
(P) ACKERSON'S 2ND ADDITION TO PUYALLUP, AFN 215387
(R1) RECORD OF SURVEY, 200801255002

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- SILT FENCE
- CLEARING LIMITS
- RIGHT OF WAY
- EXISTING WATER MAIN (APPROX. LOCATION)
- EXISTING SEWER MAIN
- EXISTING STORM MAIN
- EXISTING POWER LINE
- EXISTING WIRE FENCE
- EXISTING CHAINLINK FENCE
- PROPOSED STORM LINE
- PROPOSED WATER LINE
- PROPOSED CATCH BASIN/YARD DRAIN
- PROPOSED CLEAN OUT
- PROPOSED POST INDICATOR VALVE
- PROPOSED F.D.C
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING WATER METER
- EXISTING F.D.C
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- EXISTING WATER VALVE
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- EXISTING UTILITY POLE
- EXISTING SIDEWALK
- EXISTING PAVEMENT
- EXISTING CONCRETE
- PROPOSED PAVEMENT GRIND/OVERLAY AREA
- EXISTING TREE
- CB INLET PROTECTION
- TEST PIT LOCATION
- SEE GEOTECHNICAL REPORT LOCATED WITHIN THE SSP REPORT FOR ADDITIONAL INFORMATION.
- PILOT INFILTRATION TEST LOCATION
- SEE GEOTECHNICAL REPORT LOCATED WITHIN THE SSP REPORT FOR ADDITIONAL INFORMATION.



C10

CIMCO SALES

NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.

APPROVED

BY _____
CITY OF PUYALLUP
ENGINEERING DEPARTMENT

DATE _____

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

JOB NUMBER
9575

SCALE
HOR. N/A
VERT. N/A

DESIGNED JLC
DRAWN DWN
CHECKED GJM

PROPOSED BY:
RICK VELASQUEZ
13615 122ND ST E
PUYALLUP, WA 98374
PH: (253) 224-4428

LARSON and ASSOCIATES
surveyors, engineers & planners
9027 PACIFIC AVENUE, SUITE 4
TACOMA, WA 98444 (253) 474-3404

T.E.S.C. SPECIFICATIONS

DATE
8/1/2023
DRAWING NO.
9575BASE
SHEET 3 OF 7

GRADING, EROSION & SEDIMENT CONTROL NOTES

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS. REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF, CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER 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 HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 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.
- ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- 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.
- ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- 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.
- 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.

INLET PROTECTION NOTES

- PLACE CONCRETE BLOCKS LENGTHWISE ON THEIR SIDES IN A SINGLE ROW AROUND THE PERIMETER OF THE INLET, SO THAT THE OPEN END FACE OUTWARD, NOT UPWARD. THE ENDS OF ADJACENT BLOCKS SHALL ABUT. THE HEIGHT OF THE BARRIER CAN BE VARIED, DEPENDING ON DESIGN NEEDS, BY STACKING COMBINATIONS OF BLOCKS THAT ARE 4 INCHES, AND 12 INCHES WIDE. THE ROW OF BLOCKS SHALL BE AT LEAST 12 INCHES BUT NO GREATER THAN 24 INCHES HIGH.
- PLACE WIRE MESH OVER THE OUTSIDE VERTICAL FACE (OPEN END) OF THE CONCRETE BLOCKS TO PREVENT STONE FROM BEING WASHED THROUGH THE BLOCKS. USE HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS.
- PILE STONE AGAINST THE WIRE MESH TO THE TOP OF THE BLOCKS. USE 3/4-INCH TO 3-INCH GRAVEL.
- PLACE WIRE MESH OVER THE DROP INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. USE HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, OVERLAP THE STRIPS. PLACE FILTER FABRIC OVER WIRE MESH.
- PLACE 3/4 INCH GRAVEL OVER THE WIRE MESH. THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE ENTIRE INLET OPENING. EXTEND THE STONE BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
- IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT, THE STONES MUST BE PULLED AWAY FROM THE INLET AND CLEANED OR REPLACED.

SEEDING NOTES

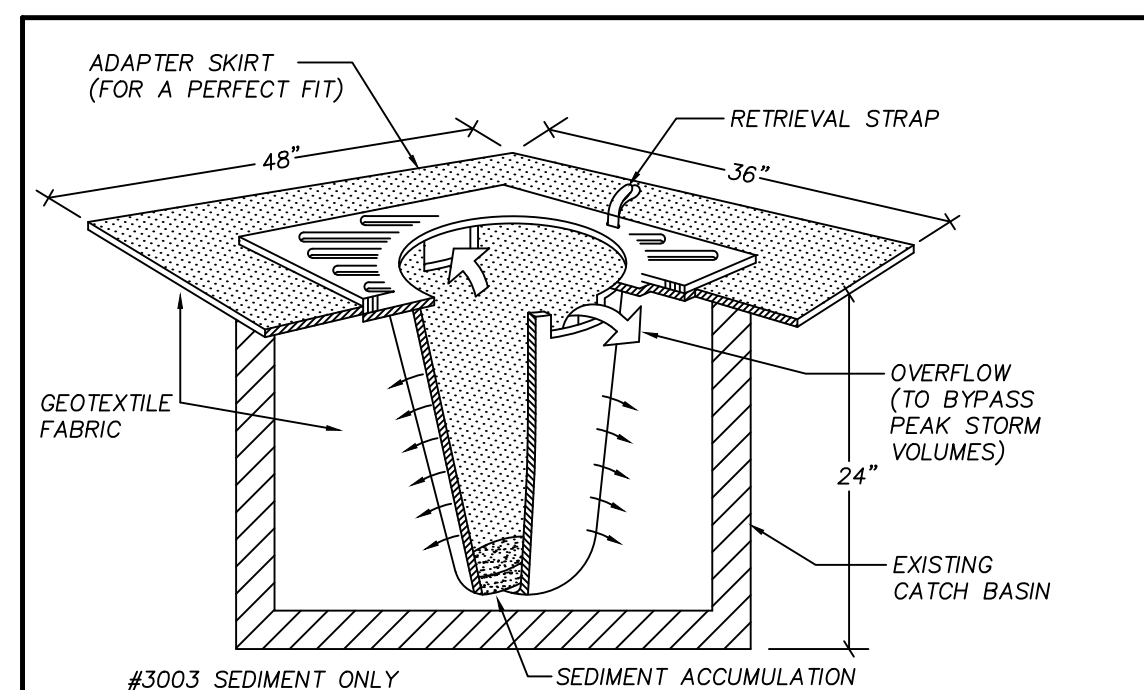
- SEED MIXTURE SHALL BE 10% RYE, 40% ANNUAL RYE, 40% CHEWING FESCUE, 10% WHITE DUTCH CLOVER, AND SHALL BE APPLIED AT THE RATE OF 225 LBS. PER ACRE.
- SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
- FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30, ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
- BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
- THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
- FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.

TOPSOILING NOTES

- APPLY TOPSOIL TO AREAS WITH HIGHLY DENSE OR IMPERMEABLE SOILS.
- APPLY WHERE MULCH AND FERTILIZER ALONE WOULD NOT PROVIDE A SUITABLE GROWTH MEDIUM.
- APPLY WHERE SLOPES DO NOT EXCEED 2:1.
- TOPSOIL SHALL BE FRIABLE AND LOAMY (LOAM, SANDY LOAM, SILT LOAM, SAND CLAY LOAM, CLAY LOAM).
- TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOP SOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.
- STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
- IN ANY SEASON, SEDIMENT LEACHING FROM STOCKPILES MUST BE PREVENTED.

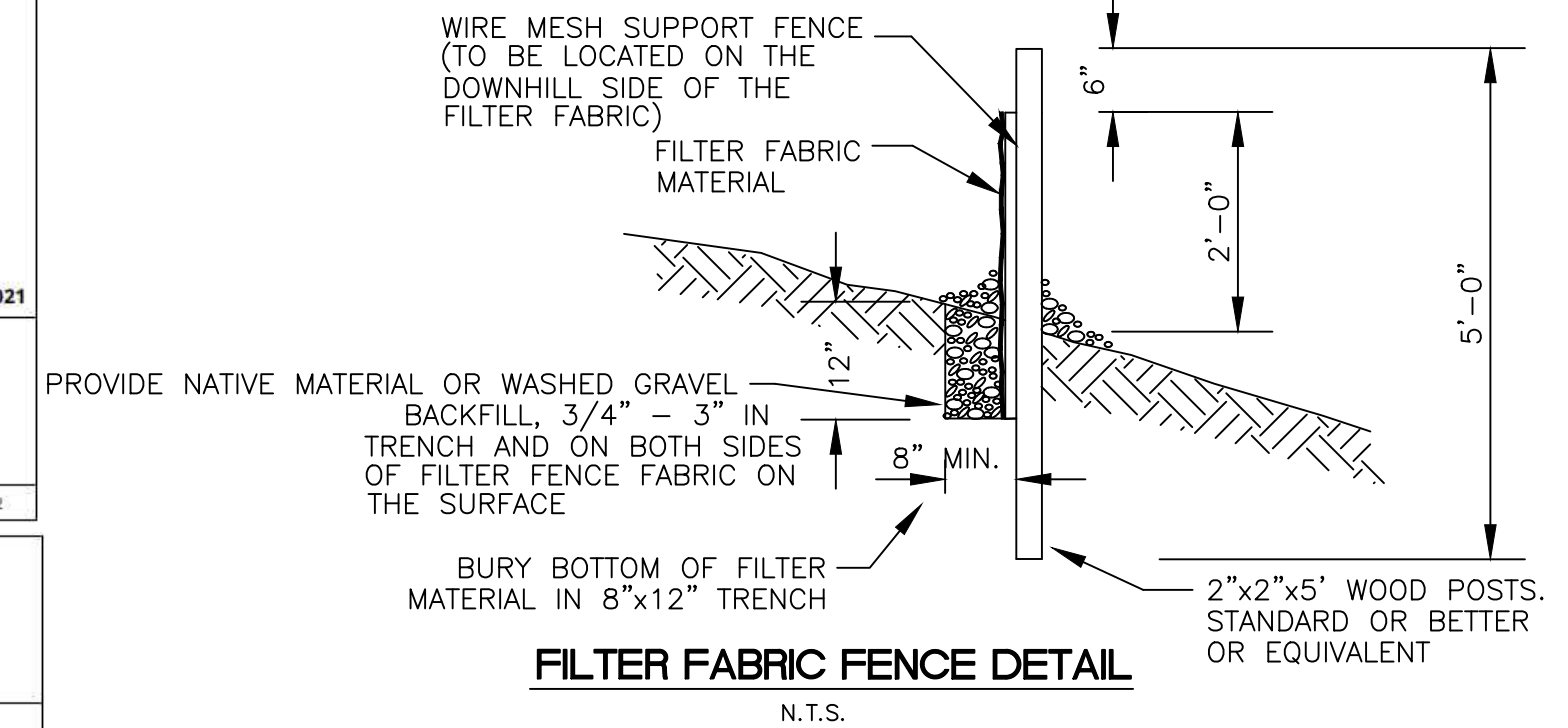
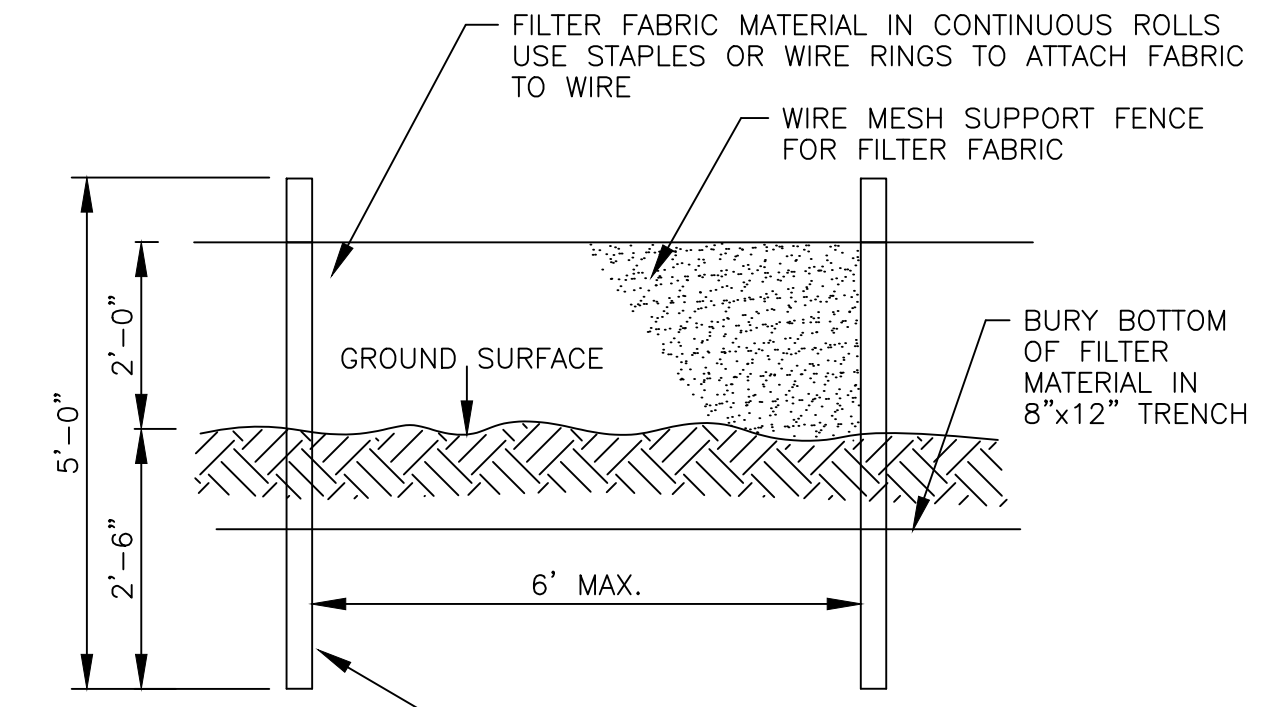
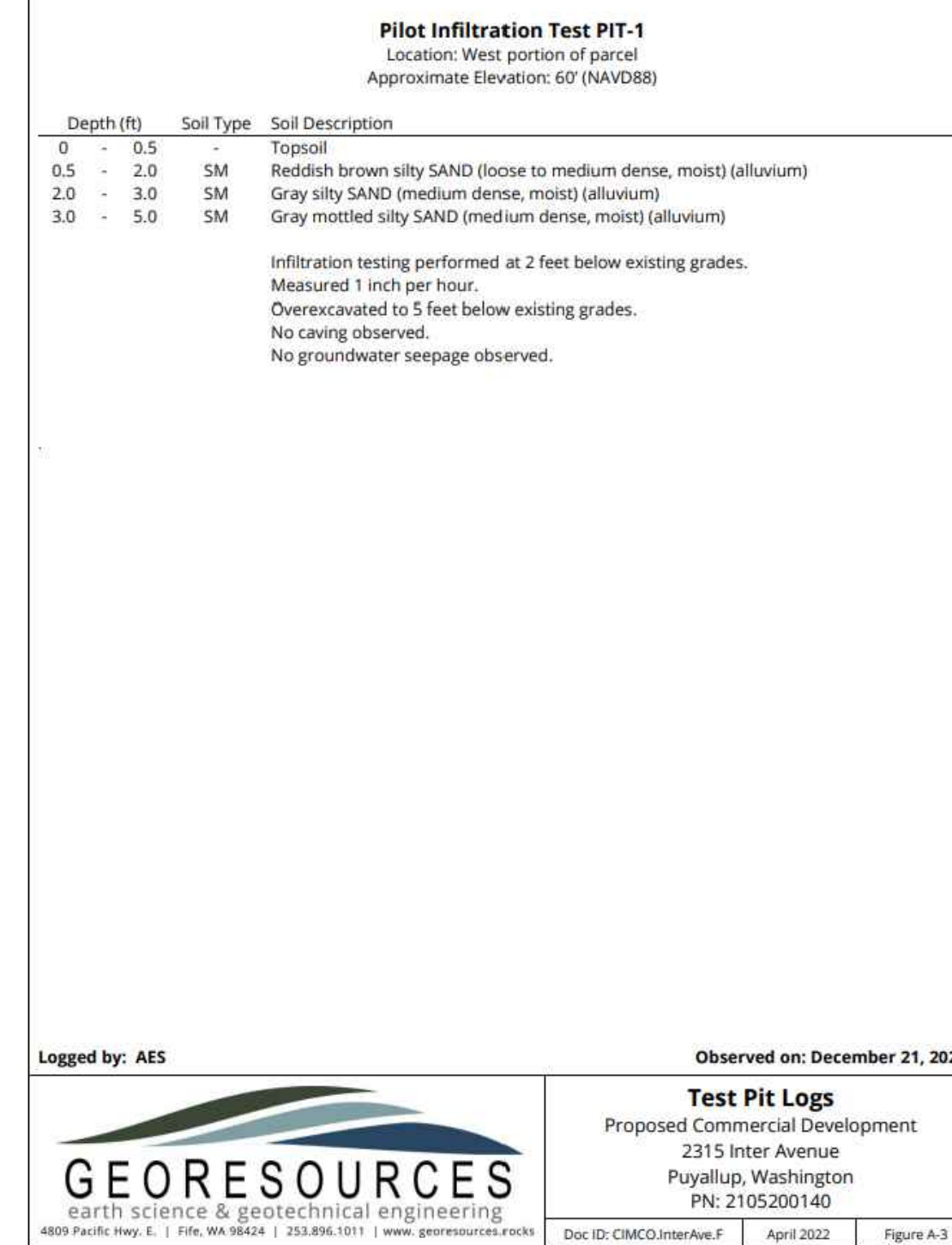
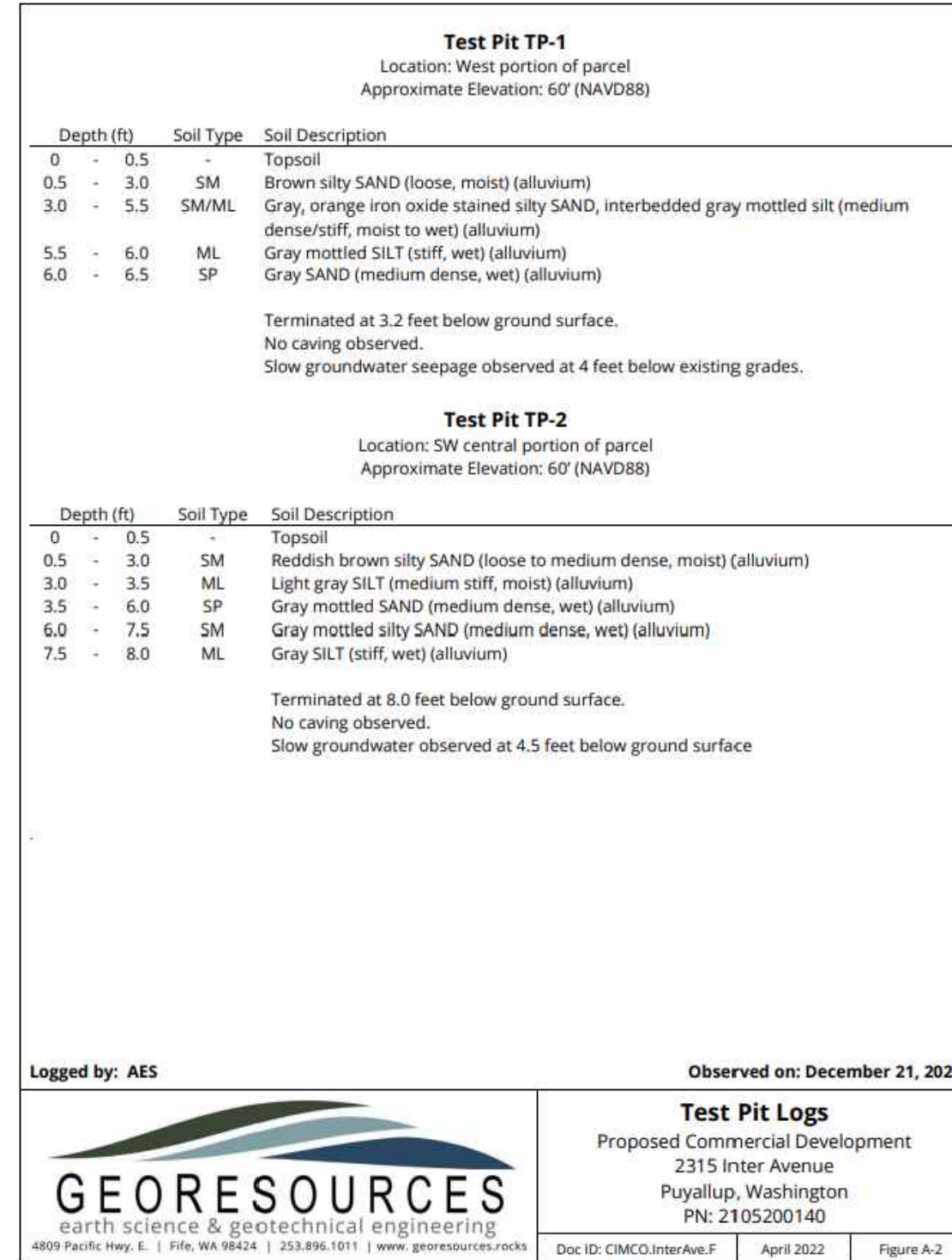
SOD NOTES

- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4-INCH AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED BY THE END OF A 3 FOOT SECTION.
- SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS.

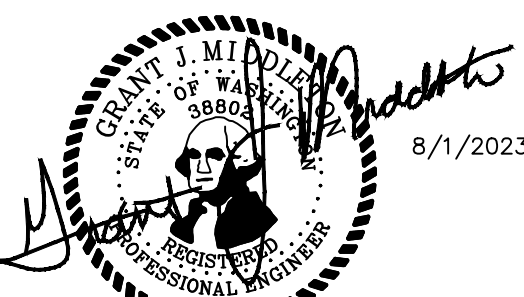


PROVIDE CATCH BASIN SEDIMENT PROTECTION WITH STREAMGUARD BASIN INSERT #3003, FROM FOSS ENVIRONMENTAL 7440 W. MARGINAL WAY S. SEATTLE, WA 98108-4141 PHONE: 1-800-909-3677

INLET SEDIMENT PROTECTION (AFTER PAVING)



REVISION BLOCK			
NO.	DATE	DESCRIPTION	BY
1	8/1/2023	ADDRESS CITY COMMENTS	GJM
		AND ADD NEW "OPEN"	
		STORAGE SHED OVER	
		EXISTING PAVEMENT AS SHOWN.	



C11

CIMCO SALES

NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.
STORM PLAN

APPROVED

BY _____
CITY OF PUYALLUP
ENGINEERING DEPARTMENT

DATE _____

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

JOB NUMBER
9575

SCALE
HOR. 1"=20'
VERT. 1"=2'

DESIGNED JLC
DRAWN DWN
CHECKED GJM

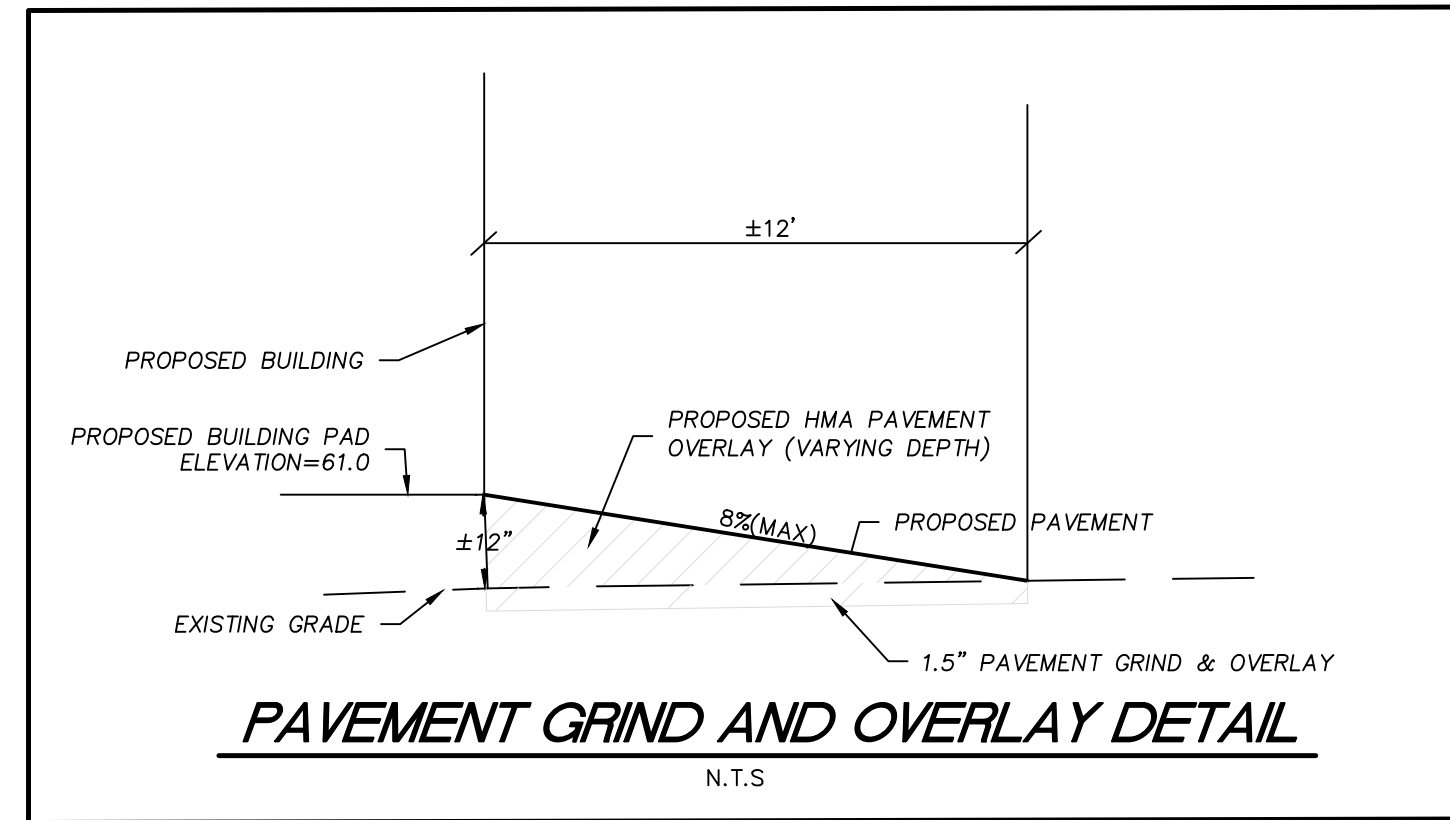
PROPOSED:
RICK VELASQUEZ
13615 122ND ST E
PUYALLUP, WA 98374
PH: (253) 224-4428

LARSON and ASSOCIATES
surveyors, engineers & planners
9027 PACIFIC AVENUE, SUITE 4
TACOMA, WA 98444 (253) 474-3404

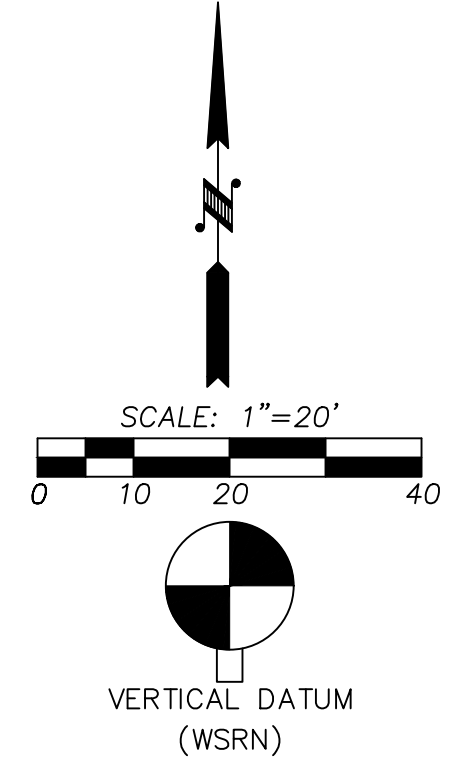
STORM PLAN

CONSTRUCTION NOTES:

- IMMEDIATELY AFTER CONSTRUCTION, CONTRACTOR TO STABILIZE SLOPES BY ANY MEANS NECESSARY (I.I. SEEDING, SODDING, MULCHING, ETC.) PER NOTES LOCATED ON SHEET C1.1.
- 4" DOWNSPOUT TO 6" PVC ROOF DRAIN TIGHTLINE (TYP.)
- CONTRACTOR TO "BUILD UP" BUILDING PAD AREA WITH SUITABLE STRUCTURAL MATERIAL (AS NECESSARY) TO ENSURE POSITIVE DRAINAGE AWAY FROM THE BUILDING PAD LOCATIONS.
- CONTRACTOR TO CONSTRUCT 55' X 10' X 1.5' D INFILTRATION TRENCH W/ DUAL 6" PVC (SDR35) PERF. PIPES @ 0.00% AS SHOWN AND PER DETAIL ON SHEET C2.1. THE CONTRACTOR SHALL INVITE THE GEOTECHNICAL ENGINEER TO PROVIDE INSPECTION OF SOIL CONDITIONS AT DESIGNED TRENCH LOCATION TO ENSURE PROPER SOIL CONDITIONS AT DEPTH EXIST, MEETING OR EXCEEDING DESIGN ASSUMPTIONS.
- CONTRACTOR TO AMEND DISTURBED SOILS PER 2012 (AMENDED IN 2014) DOE MANUAL, VOLUME V, SECTION 5.3.1 (BMPT5.13) AS WELL AS CITY DETAIL 01.02.08A ON SHEET C2.1.
- CONTRACTOR TO PROVIDE GRADED POSITIVE "OVER LAND" RELEASE FROM INFILTRATION TRENCH TO EXISTING STORM POND FROM "BUBBLE UP" EMERGENCY OVERFLOW GRATED INLET (YD#2) TO ALLOW LARGER THAN DESIGN STORM EVENTS TO BE PROPERLY CONVEYED TO THE EXISTING DOWNSTREAM DRAINAGE SYSTEM. ENSURE 1.0% (MIN.) GRADED FLOWLINE SWALE TO TOP OF EXISTING POND AS SHOWN.
- CONTRACTOR TO PROVIDE RESIDENTIAL SEDIMENT CONTROL STRUCTURE IN YD#1 PER DETAIL ON SHEET C2.1



0420263015
CJD EXCHANGE LLC



NAVD 88 ESTABLISHED USING GPS RTK ROVER CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK (WSRN) STATIONS
CONTOUR INTERVAL=1'
TOPOGRAPHY PREPARED BY LARSON & ASSOCIATES

HORIZONTAL DATUM

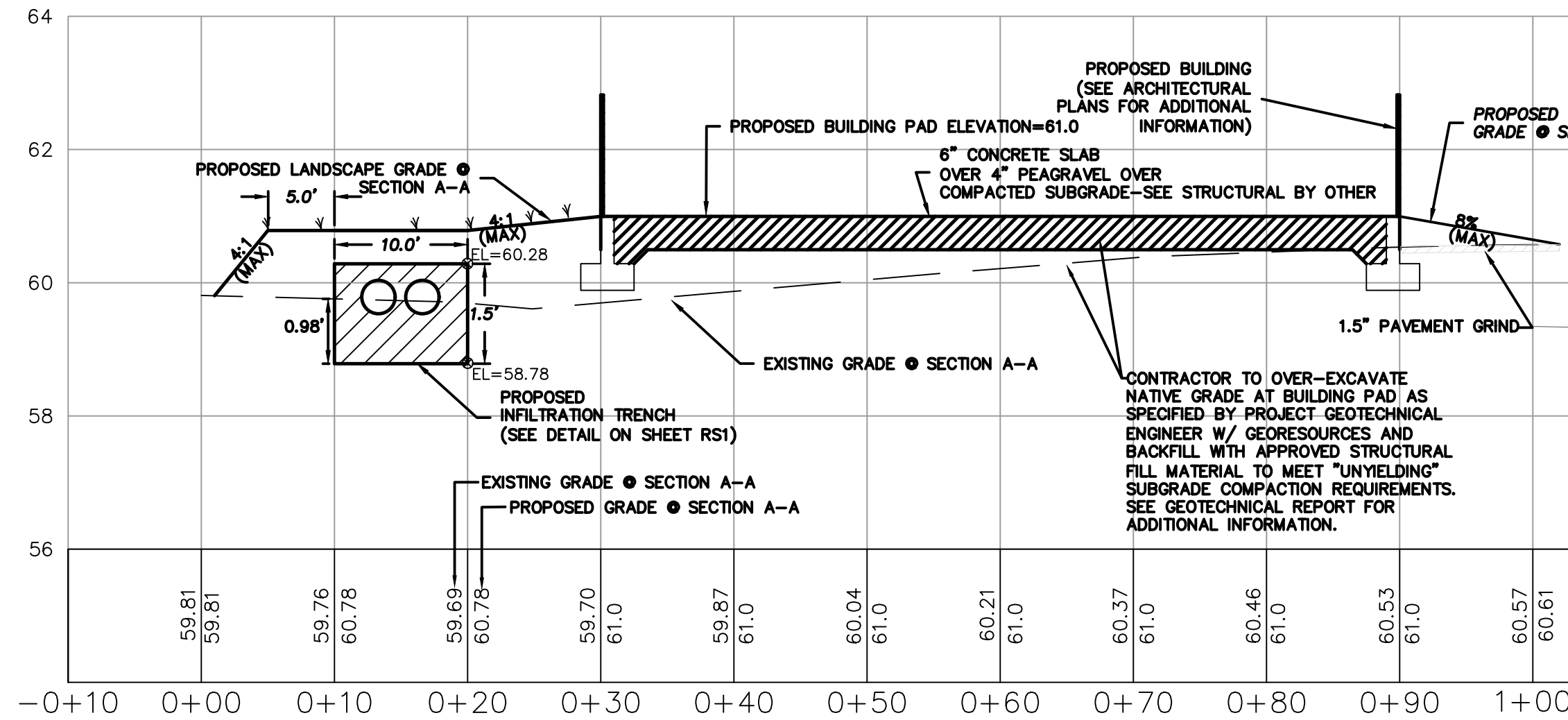
NAD 83/11 WASHINGTON SOUTH ZONE
ESTABLISHED USING GPS RTK ROVER CONSTRAINED TO THE WASHINGTON STATE REFERENCE NETWORK (WSRN) STATIONS

SURVEYOR'S REFERENCES

- (P) ACKERSON'S 2ND ADDITION TO PUYALLUP, AFN 215387
- (R1) RECORD OF SURVEY, 200801255002

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- EXISTING STORM MAIN
- EXISTING WIRE FENCE
- EXISTING CHAINLINK FENCE
- PROPOSED STORM LINE
- PROPOSED CATCH BASIN/YARD DRAIN
- PROPOSED CLEAN OUT
- EXISTING CATCH BASIN
- EXISTING STORM C/O
- EXISTING POWER VAULT
- EXISTING PAVEMENT
- PROPOSED PAVEMENT GRIND/OVERLAY AREA
- PROPOSED CONC PAD



BUILDING SECTION A-A

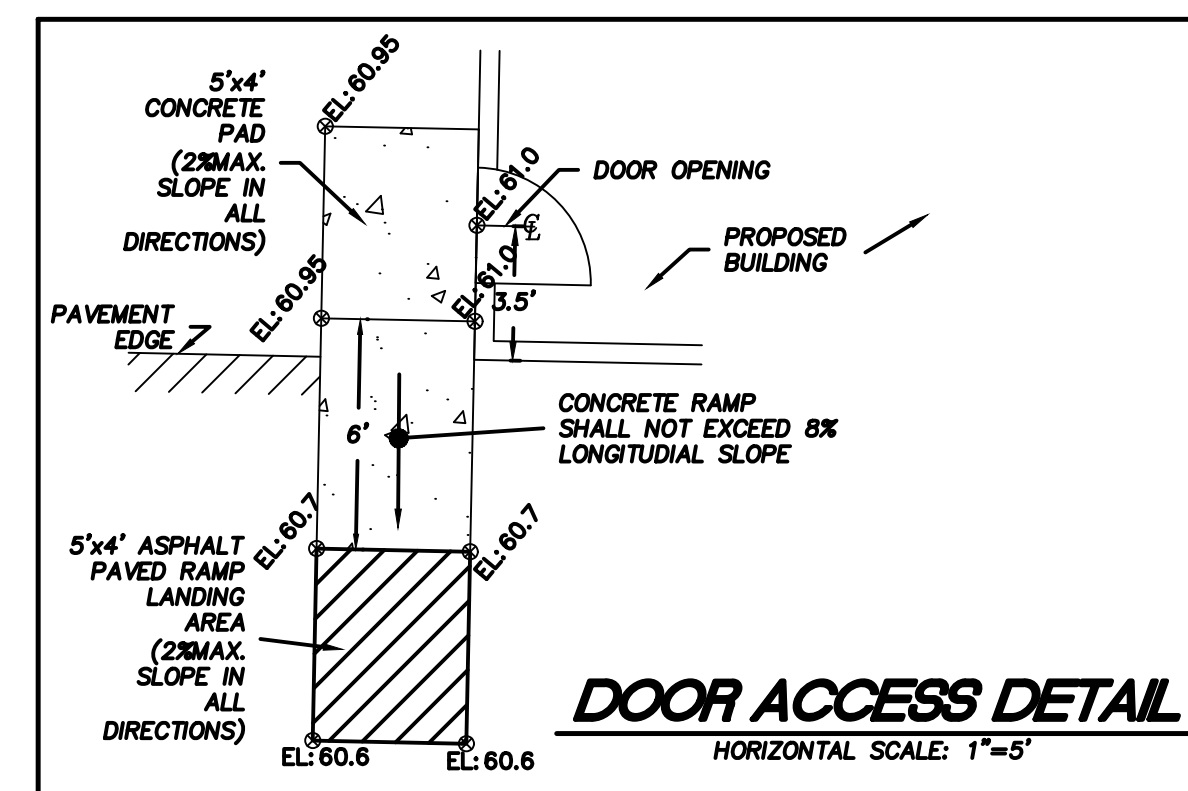
HORIZONTAL SCALE: 1"=10'
VERTICAL SCALE: 1"=2'

UTILITY CONFLICT NOTE:

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

CALL BEFORE YOU DIG

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 811 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

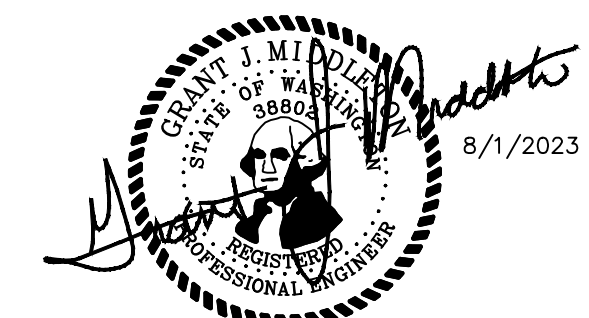


DOOR ACCESS DETAIL

HORIZONTAL SCALE: 1"=5'

REVISION BLOCK

NO.	DATE	DESCRIPTION	BY
1	8/1/2023	ADDRESS CITY COMMENTS	GJM
		AND ADD NEW "OPEN"	
		STORAGE SHED OVER	
		EXISTING PAVEMENT AS	
		SHOWN.	



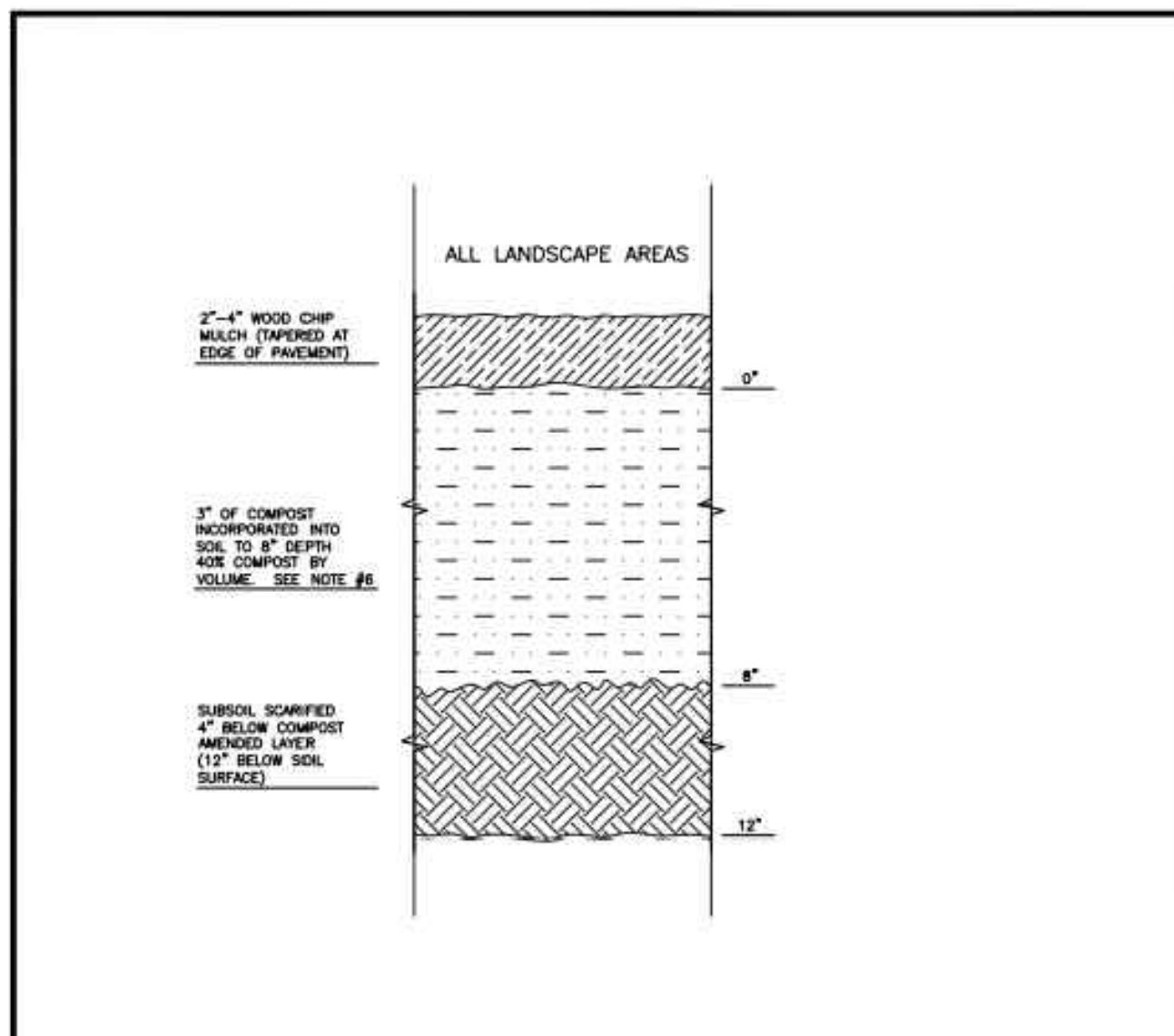
C2.0

DATE
8/1/2023
DRAWING NO.
9575BASE
SHEET 4 OF 7

STORM NOTES

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
 - THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
 - PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
 - CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
 - DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
 - POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
- ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.

CIMCO SALES
NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.

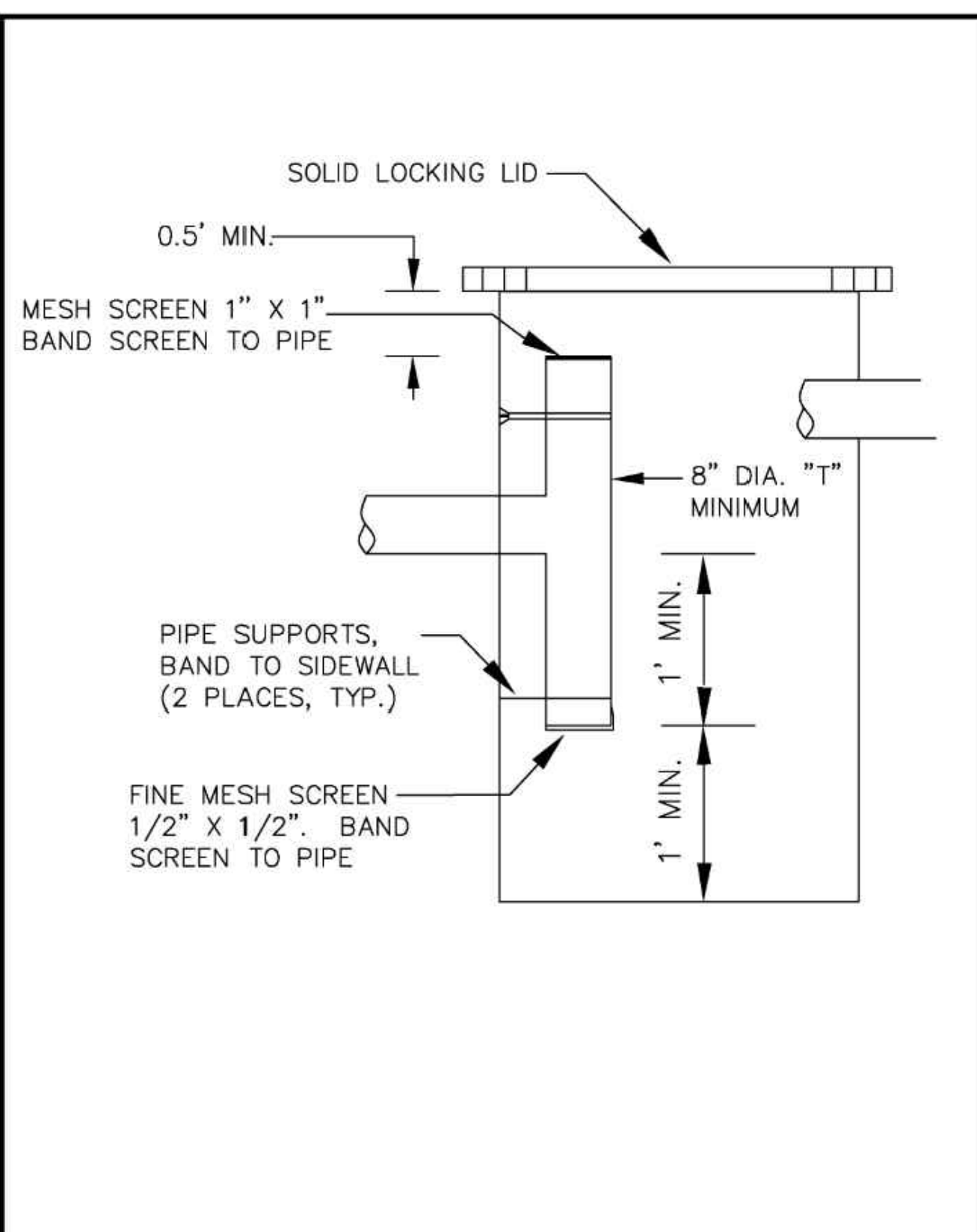


- NOTES:**
- ALL SOIL AREAS DISTURBED OR COMPACTED DURING CONSTRUCTION, AND NOT COVERED BY BUILDINGS OR PAVEMENT, SHALL BE AMENDED WITH COMPOST AS DESCRIBED BELOW.
 - SUBSOIL SHOULD BE SCARIFIED (LOOSENE) 4 INCHES BELOW AMENDED LAYER, TO PRODUCE 12-INCH DEPTH OF UN-COMPACTED SOIL, EXCEPT WHERE SCARIFICATION WOULD DAMAGE TREE ROOTS OR AS DETERMINED BY THE ENGINEER. SEE NOTE BELOW REGARDING PLANTING STEPS FOR STREET TREES.
 - COMPOST SHALL BE TILLED IN TO 8 INCH DEPTH INTO EXISTING SOIL, OR PLACE 8 INCHES OF COMPOST-AMENDED SOIL, PER SOIL SPECIFICATION.
 - PLANTING BEDS SHALL RECEIVE 3 INCHES OF COMPOST TILLED IN TO 8-INCH DEPTH, OR MAY SUBSTITUTE 8" OF IMPORTED SOIL CONTAINING 35-40% COMPOST BY VOLUME. MULCH AFTER PLANTING, WITH 4 INCHES OF ARBORIST WOOD CHIP MULCH OR APPROVED EQUAL (6" OF LOOSE WOOD CHIPS AT THE TIME OF PLANTING TO ALLOW SETTLING TO 4").
 - STRIPBACKS TO PREVENT UNEVEN SETTLING, DO NOT COMPOST-AMEND SOILS WITHIN 3 FEET OF UTILITY INFRASTRUCTURES (POLES, WELLS, METERS ETC.). WITHIN ONE FOOT OF PAVEMENT EDGE, CURBS AND SIDEWALKS SOIL SHOULD BE COMPACTED TO APPROXIMATELY 95% PROCTOR TO ENSURE A FIRM SURFACE.
 - SEE SECTION 4.01(B) OF THE IAS FOR SOIL AMENDMENT AND RESTORATION PROCEDURES FOR STREET TREE PLANTER STRIPS. ALL STREET TREE PLANTER STRIPS SHALL RECEIVE 40% COMPOST AMENDED SOIL TO THE FULL DEPTH OF THE STREET TREE FOOTBALL.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SOIL AMENDMENT AND DEPTH

DESIGNED BY: LINDA LIAN	CHECKED BY: COLLEEN HARRIS	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02
FILE NAME: P:\WORKING\2023\STORM_240\STORM_240.DWG	DATE APPROVED: 08/11/2023	SCALE: N.T.S.	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02



CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

RESIDENTIAL INFILTRATION TRENCH SUMP STRUCTURE

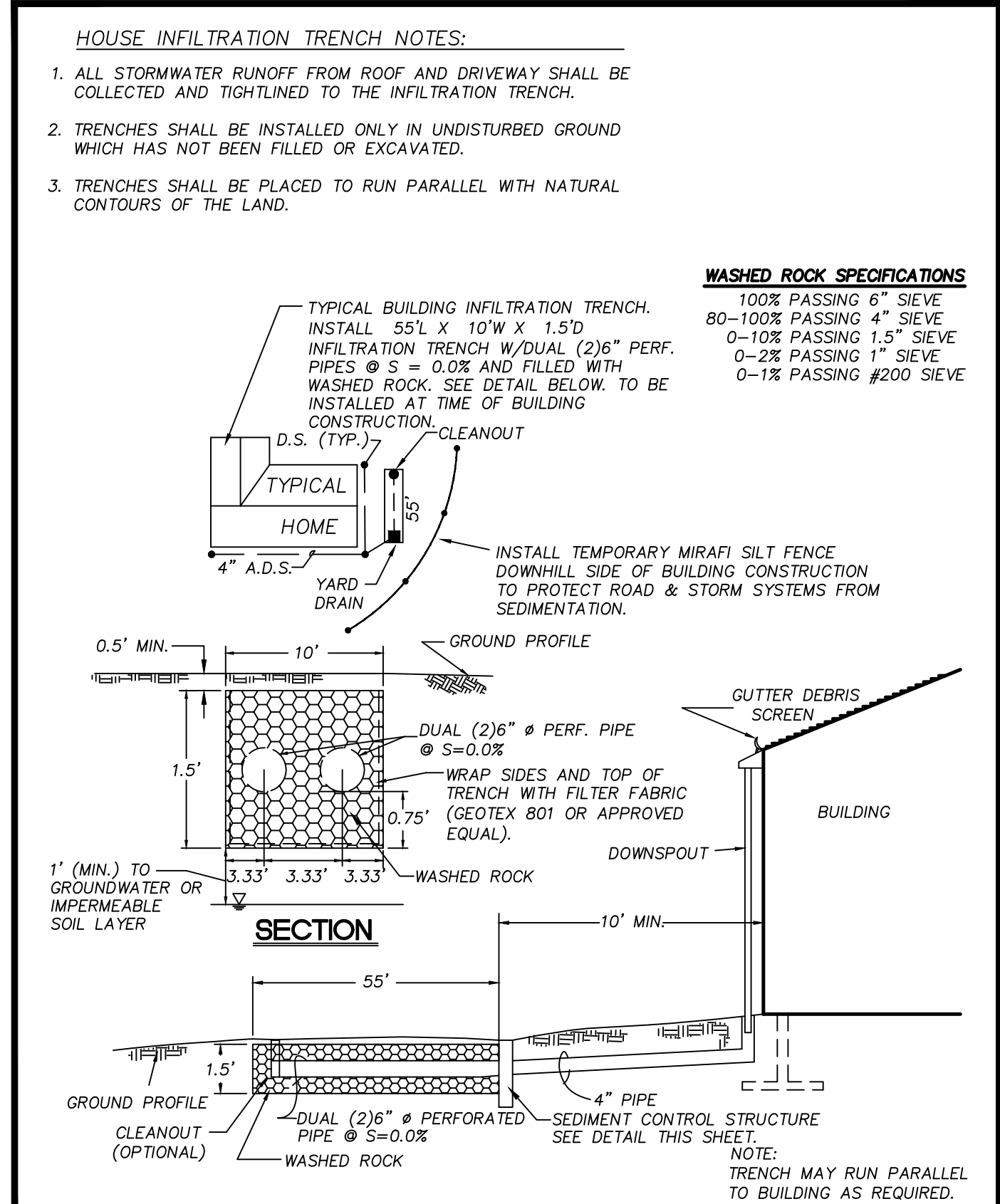
DESIGNED BY: LINDA LIAN	CHECKED BY: COLLEEN HARRIS	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02
FILE NAME: P:\WORKING\2023\STORM_240\STORM_240.DWG	DATE APPROVED: 08/11/2023	SCALE: N.T.S.	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02

- 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.
- 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.
- 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.
- 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.
- 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 PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- 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.
- NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

GRADING, EROSION, AND SEDIMENTATION CONTROL NOTES

DESIGNED BY: LINDA LIAN	CHECKED BY: COLLEEN HARRIS	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 08/11/2023	CITY STANDARD: 05.02.01
FILE NAME: P:\WORKING\2023\STORM_240\STORM_240.DWG	DATE APPROVED: 08/11/2023	SCALE: N.T.S.	DATE APPROVED: 08/11/2023	CITY STANDARD: 05.02.01



LARSON AND ASSOCIATES
Land Development & Engineers, Inc.

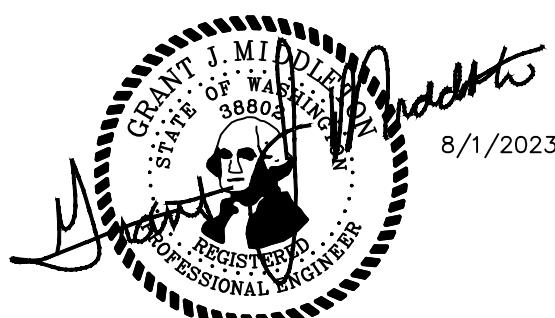
INFILTRATION TRENCH FOR THE BUILDING

DESIGNED BY: LINDA LIAN	CHECKED BY: COLLEEN HARRIS	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02
FILE NAME: P:\DETAILS\LARSON_2023\STORM_240.DWG	DATE APPROVED: 08/11/2023	SCALE: N.T.S.	DATE APPROVED: 08/11/2023	CITY STANDARD: 02.05.02

NO. 240

REVISION BLOCK

NO.	DATE	DESCRIPTION	BY
1	8/1/2023	ADDRESS CITY COMMENTS AND ADD NEW "OPEN" STORAGE SHED OVER EXISTING PAVEMENT AS SHOWN.	GJM



APPROVED
BY: _____
CITY OF PUYALLUP
ENGINEERING DEPARTMENT
DATE: _____

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

JOB NUMBER
9575

SCALE	N/A
HOR.	N/A
VERT.	N/A
DESIGNED JLC	
DRAWN	GJM
CHECKED	GJM

PROPOSED BY: RICK VELASQUEZ
13615 122ND ST E
PUYALLUP, WA 98374
PH: (253) 224-4428

LARSON AND ASSOCIATES
surveyors, engineers & planners
9027 PACIFIC AVENUE, SUITE 4
TACOMA, WA 98444
(253) 474-3404

STORM DETAILS AND SPECIFICATIONS

DATE: 8/1/2023
DRAWING NO.: 9575BASE
SHEET 5 OF 7

C21

CIMCO SALES

NE 1/4, SW 1/4, SEC.26, TWN.20 N., RNG. 4 E., W.M.

APPROVED

BY _____
CITY OF PUYALLUP
ENGINEERING DEPARTMENT

DATE _____

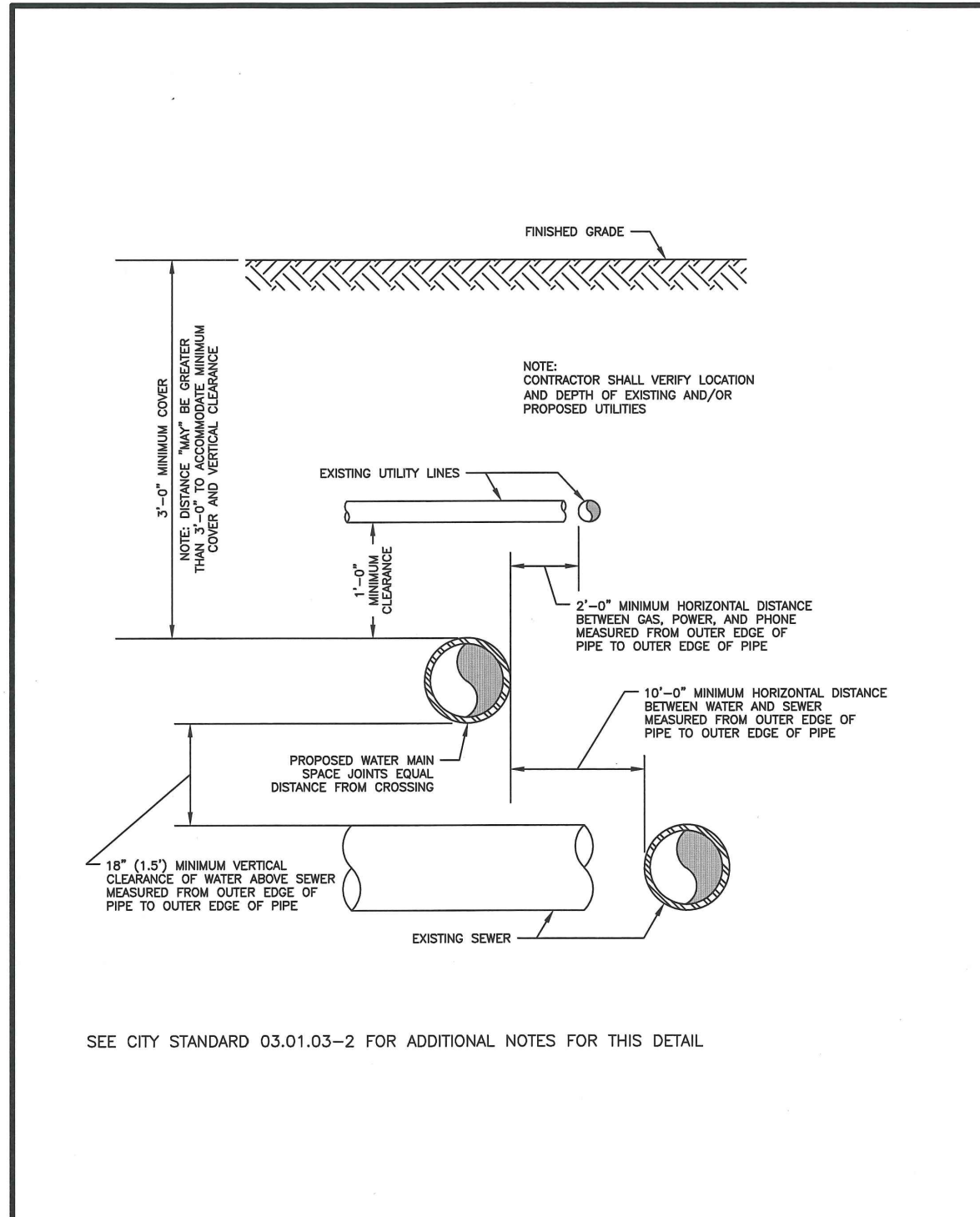
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

JOB NUMBER	9575
SCALE	N/A
HOR. N/A	VERT. N/A
DESIGNED JLC	
DRAWN DWN	
CHECKED GJM	

RICK VELASQUEZ
 13615 122ND ST E
 PUYALLUP, WA 98374
 PH: (253) 224-4428

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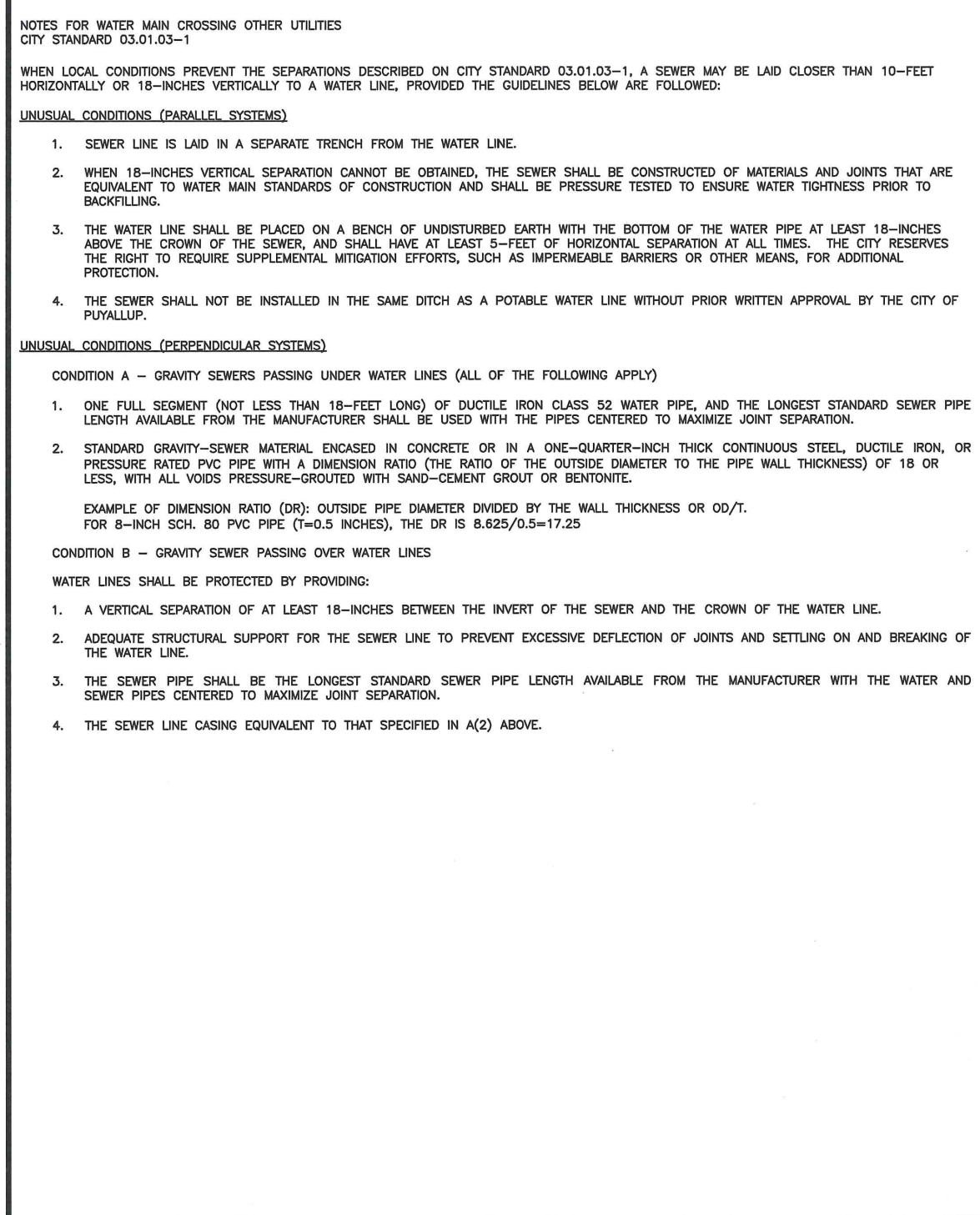
DETAILS & SPECIFICATIONS



WATER MAIN CROSSING OTHER UTILITIES

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.01.03-1



HORIZONTAL THRUST BLOCKING

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.02.01-3

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

TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI				
	A	B	C	D	E
4"	3,140	4,440	2,405	1,225	615
6"	7,070	9,995	5,410	2,760	1,385
8"	12,565	17,770	9,820	4,905	2,465
10"	19,635	27,770	15,030	7,660	3,850
12"	28,275	39,885	21,640	11,030	5,545
14"	38,485	54,425	29,455	15,015	7,545
16"	50,285	71,085	38,470	19,615	9,855

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

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

THRUST BLOCKING TABLE

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.02.01-3

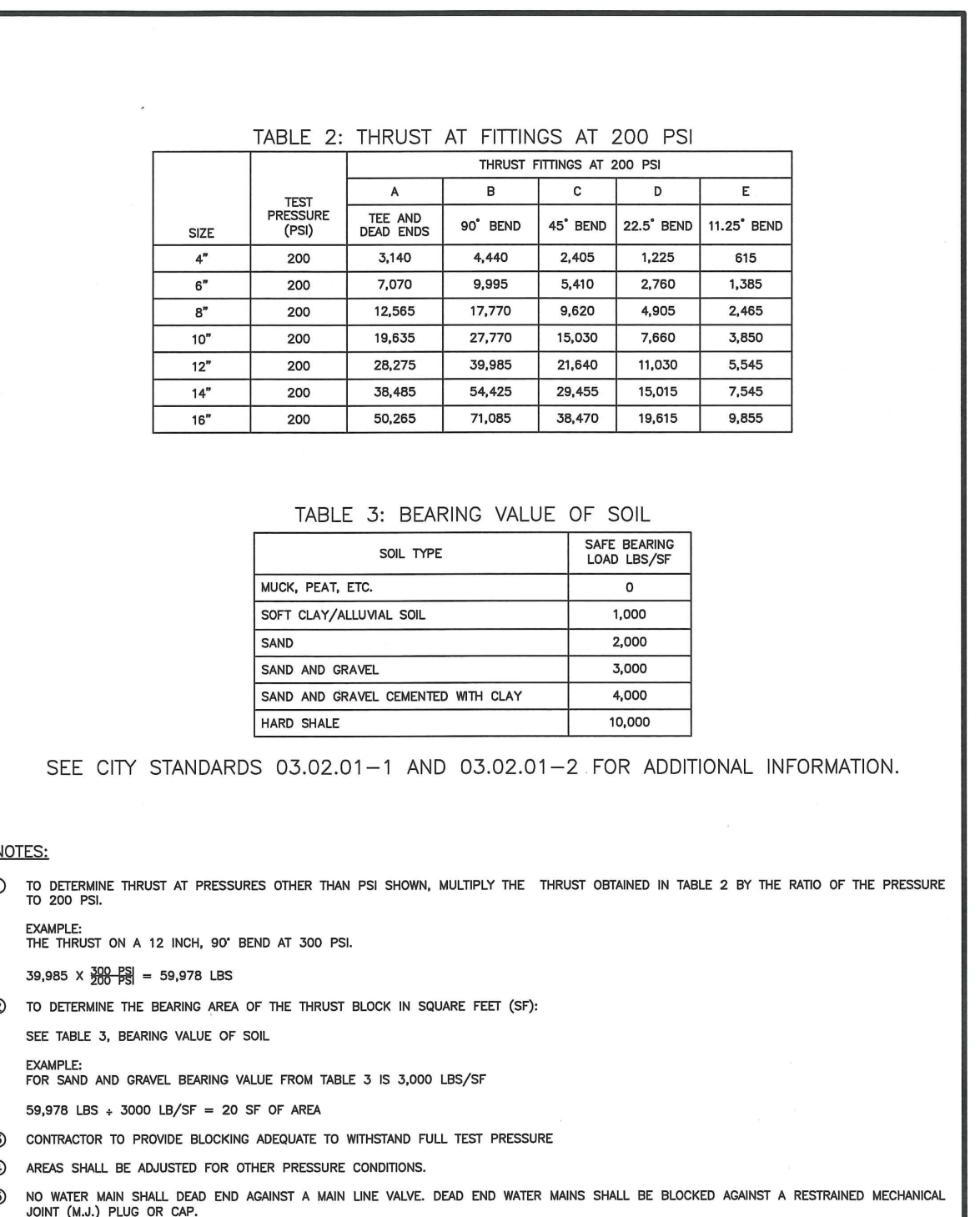
NOTE: THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:

- BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
- THE PIPE FITTING(S) MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
- CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
- RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
- BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
- ALL PIPE SHALL BE PROPERLY BEDED. SEE CITY OF PUYALLUP STANDARD BIDDING DETAIL NO. 06.01.01.
- CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
- AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.
- NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.J.) PLUG OR CAP.

VERTICAL THRUST BLOCKING

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

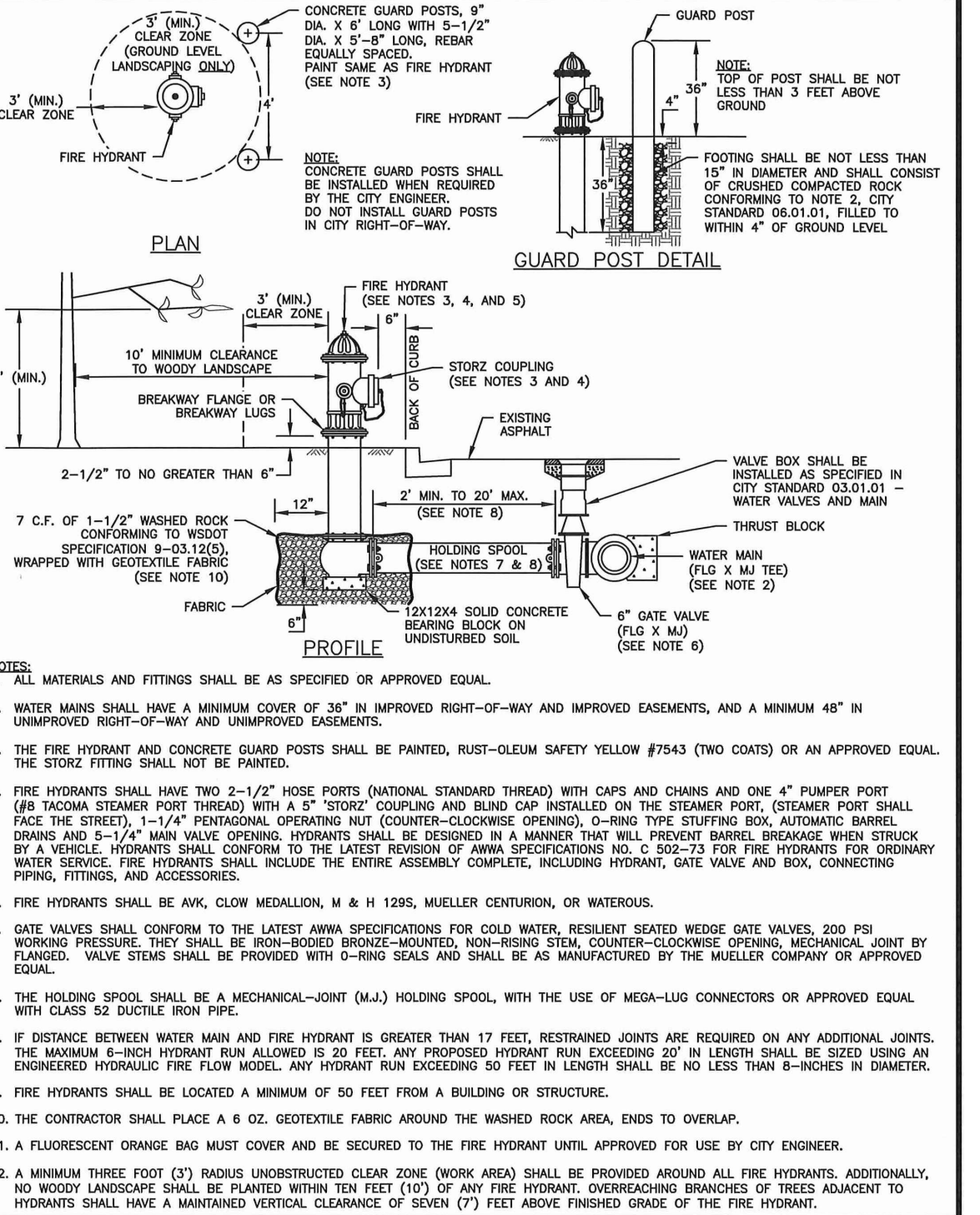
APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.02.01-2



FIRE HYDRANT ASSEMBLY

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

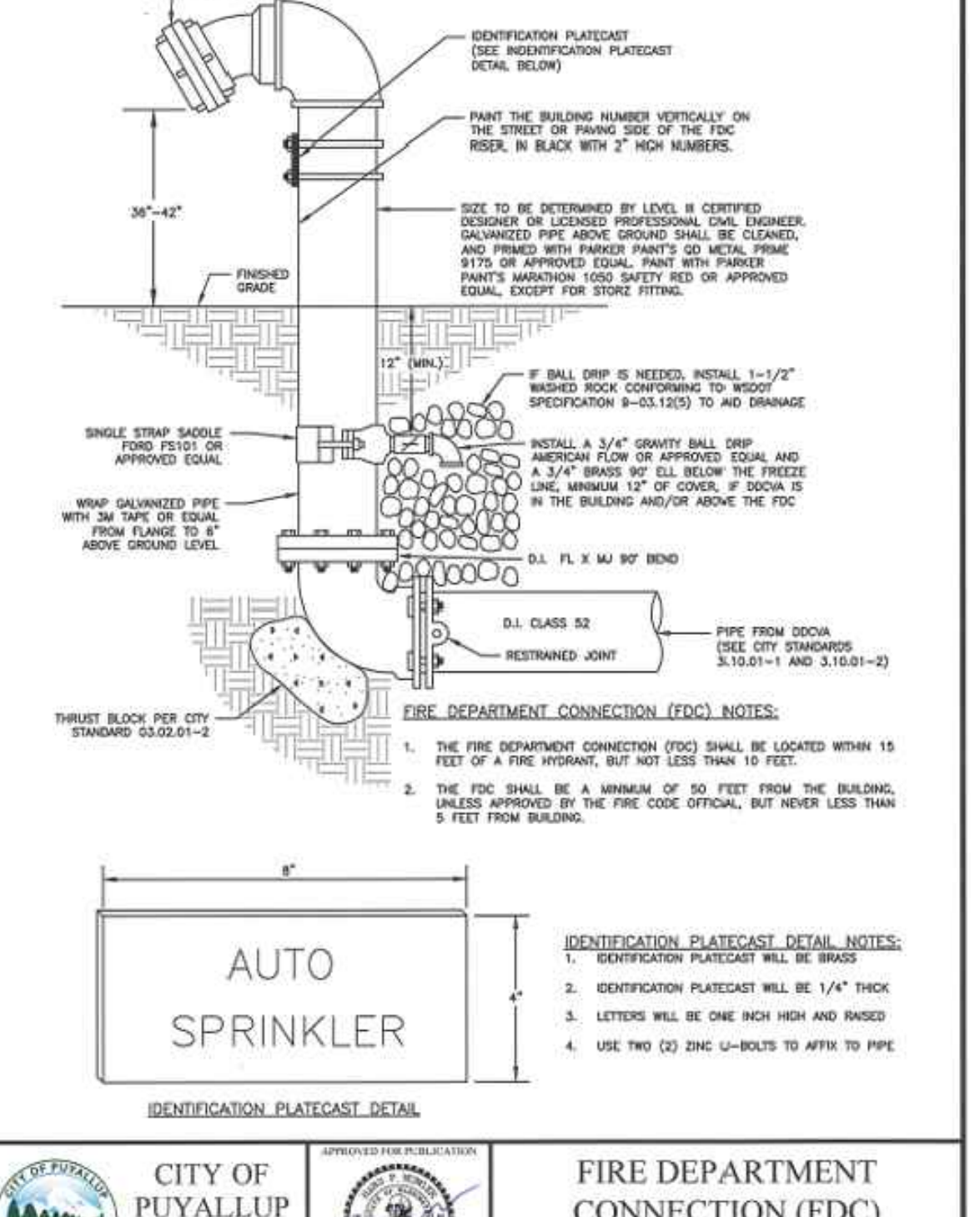
APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.05.01



POST INDICATOR VALVE

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

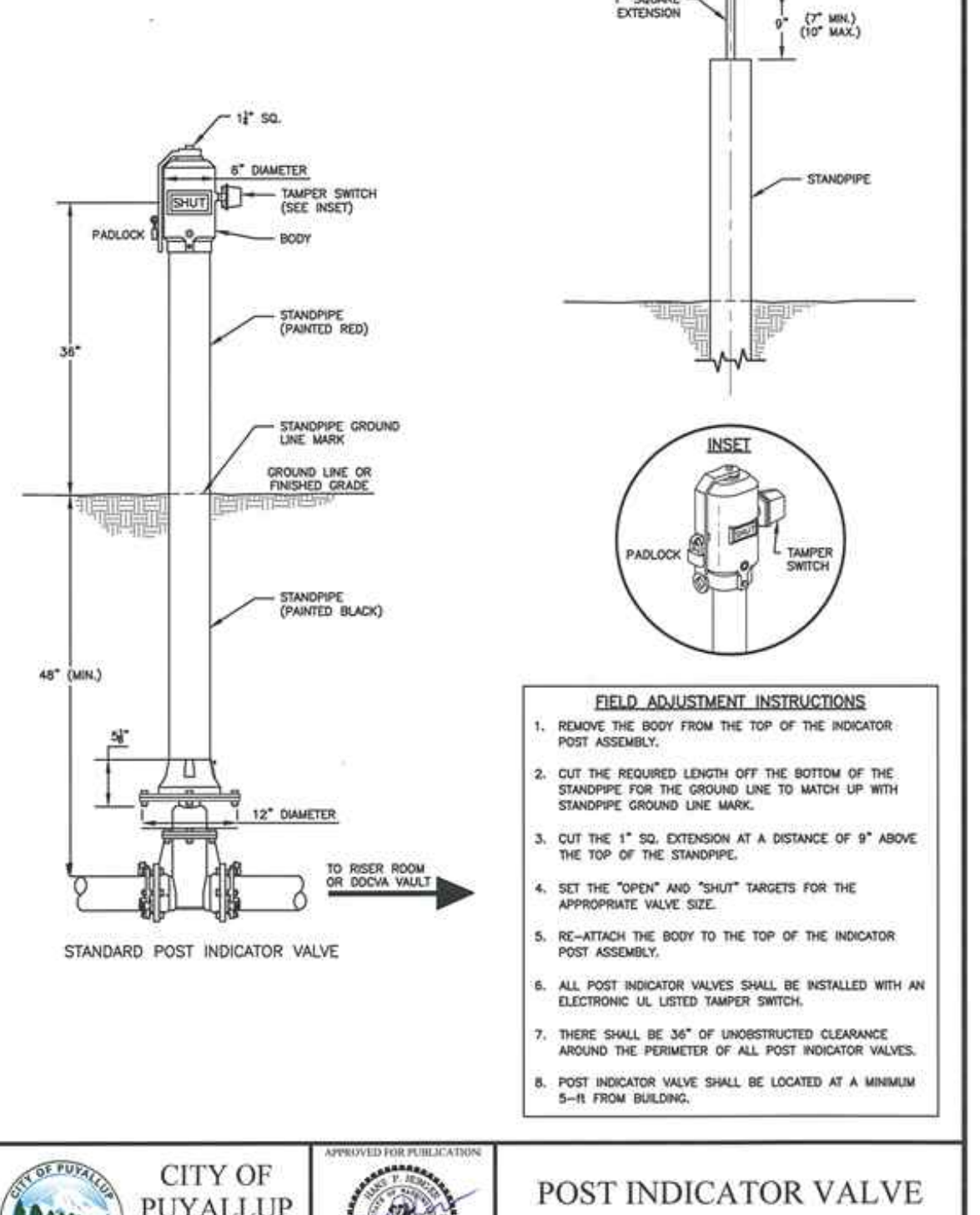
APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.10.03



AUTO SPRINKLER

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.10.02



FIRE DEPARTMENT CONNECTION (FDC)

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.10.02

WATER MAIN CROSSING OTHER UTILITIES (NOTES)

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
DATE: 2/15/2018
CITY STANDARD: 03.01.03-2

VERTICAL THRUST BLOCKING (NOTES)

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

APPROVED FOR PUBLICATION
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CITY STANDARD: 03.02.01-2

FIRE HYDRANT ASSEMBLY (NOTES)

CITY OF PUYALLUP
OFFICE OF THE CITY ENGINEER

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CITY STANDARD: 03.05.01

POST INDICATOR VALVE (NOTES)

CITY OF PUYALLUP
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REVISION BLOCK			
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1	8/1/2023	ADDRESS CITY COMMENTS AND ADD NEW "OPEN" STORAGE SHED OVER EXISTING PAVEMENT AS SHOWN.	GJM

RICK VELASQUEZ
 PROFESSIONAL ENGINEER

DATE: 8/1/2023

DRAWING NO.: 9575BASE

SHEET 6 OF 7

