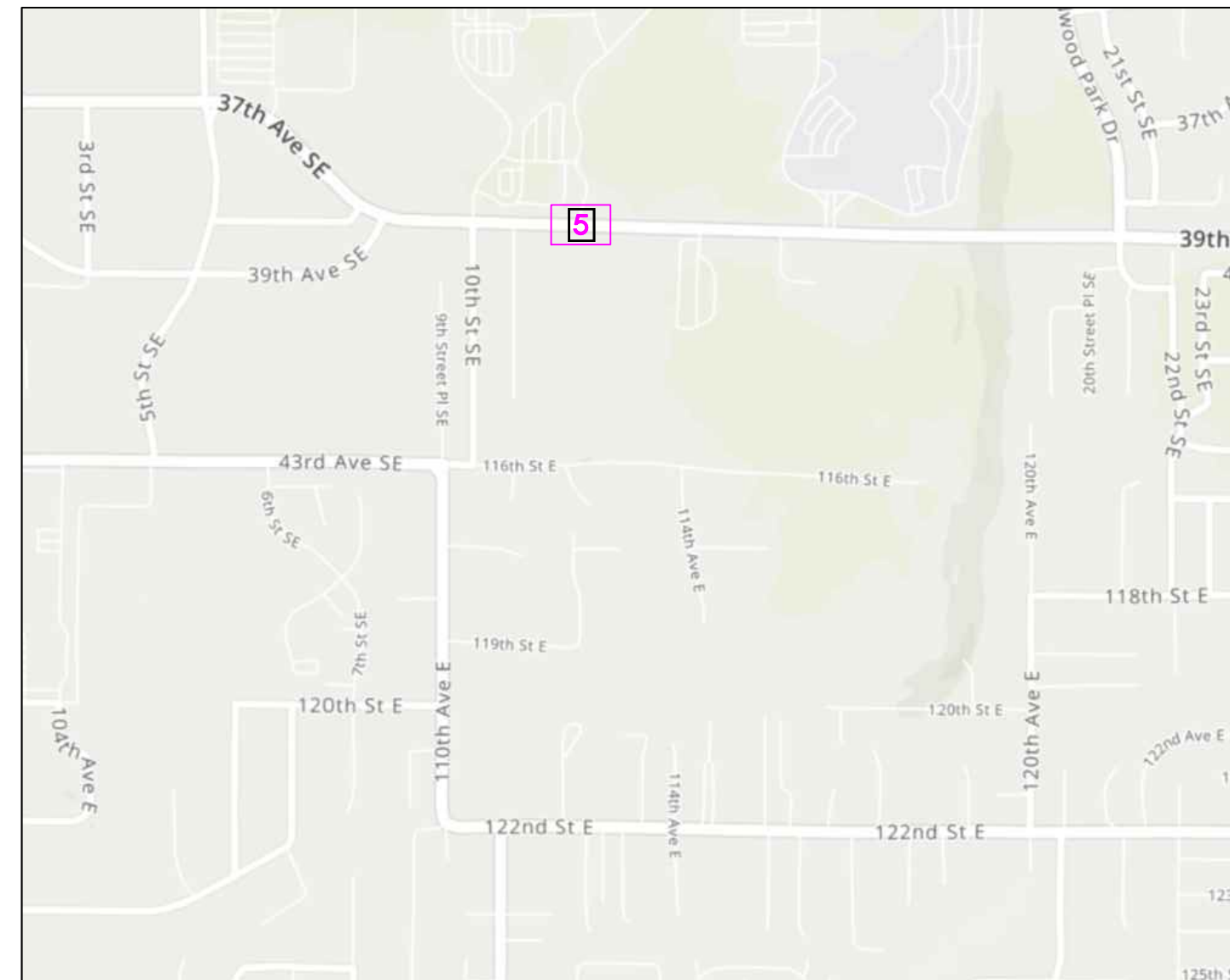


City of Puyallup Development & Permitting Services ISSUED PERMIT	
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PRFUP2022006

CITY OF PUYALLUP



ISO-0539048 CENTERIS DATA CENTER
1023 39TH AVE SE
PUYALLUP, WA 98374

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SHEET INDEX:

- 1 - COVER SHEET AND PROJECT LOCATION
- 2 - ZAYO GENERAL NOTES
- 3 - LINE TYPE AND SYMBOL LEGENDS
- 4 - STANDARD DETAILS
- 5 - DETAILED PLAN VIEW
- 6 - PUYALLUP RESTORATION STANDARDS

PROJECT LOCATION

PROJECT DESCRIPTION		
NEW AERIAL	≡	0 FT
OVERLASH	≡	0 FT
MOVE STORAGE	≡	0 FT
NEW UNDERGROUND	≡	103 FT
EXISTING CONDUIT	≡	66 FT
3RD PARTY CONDUIT	≡	0 FT
RISERS	≡	0 FT
TOTAL FOOTAGE	≡	169 FT

Designed
12/08/21
12/08/21
12/08/21

FS-KMK
FS-CRV
FS-KMK

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JOB #: 100002

ENGR: FIBE SOLUTIONS

PROPRIETARY-NOT FOR DISTRIBUTION

ISO-0539048 CENTERIS DATA CENTER

File name: ISO-0539048.dwg

Date: 12/08/21

Sheet Number **1 of 6**

GENERAL ZAYO NOTES

GENERAL

- THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ALL UTILITY LOCATIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE EXCAVATIONS AND BORINGS AHEAD OF THE WORK, AS NECESSARY, TO DETERMINE THE EXACT LOCATIONS OF UTILITIES AND UNDERGROUND STRUCTURES. IT IS UNDERSTOOD THAT THERE WILL BE INTERFERING UTILITIES AND OTHER UNDERGROUND PIPES, DRAINS OR STRUCTURES ENCOUNTERED THAT ARE NOT SHOWN OR AREAS SHOWN INCORRECTLY ON THE PLANS OR THAT HAVE NOT BEEN PREVIOUSLY DISCOVERED IN THE FIELD. THE CONTRACTOR AGREES THIS IS A NORMAL AND USUAL OCCURRENCE IN THE CONSTRUCTION OF UNDERGROUND IMPROVEMENTS. FURTHERMORE, BIDDERS UNDERSTAND AND AGREE THAT WORK IN SOME CASES MUST BE DONE IN CLOSE PROXIMITY TO SAID UTILITIES AND UNDERGROUND PIPES, DRAINS AND STRUCTURES NOT SHOWN ON THE PLANS WHICH MAY REQUIRE A CHANGE IN OPERATIONS AND MAY CAUSE SLOUGHING OF THE TRENCH, ADDITIONAL TRAFFIC CONTROL, ADDITIONAL PAVEMENT AND BACKFILL COSTS AND TIME. THE CONTRACTOR AGREES THAT A REASONABLE NUMBER OF THESE OCCURRENCES IS USUAL AND ORDINARY, AND ARE REFLECTED IN THE BID AND PLAN OF OPERATION. THE BIDDERS AGREE TO PROVIDE FOR THESE CONFLICTS AND AGREES TO PROVIDE FOR A REASONABLE AMOUNT OF TIME FOR DESIGN CHANGES AND/OR UTILITY RELOCATIONS DUE TO SAID CONFLICTS.
- CALL THE UTILITIES UNDERGROUND LOCATION CENTER AT 811
- INSPECTION -- THE CONTRACTOR SHALL NOTIFY LOCAL JURISDICTIONS FOR REQUIRED INSPECTION SERVICES.
- EXCESS WATER -- SHALL WATER BE ENCOUNTERED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DEWATER, AS PER THE STANDARD SPECIFICATIONS, BEFORE CONSTRUCTION CONTINUES.
- NO SILT LADEN WATER IS TO BE DISCHARGED FROM THE SITE WITHOUT PASSING THROUGH AN EROSION CONTROL SYSTEM.
- THE CONTRACTOR SHALL SCHEDULE AND CONTROL HIS WORK SO AS TO COMPLY WITH ALL APPLICABLE ORDINANCES TO PREVENT ANY HAZARDS TO PUBLIC SAFETY, HEALTH AND WELFARE.
- ALL STREETS SHALL BE KEPT FREE OF DIRT AND DEBRIS ON A CONTINUOUS BASIS.
- AN APPROVED COPY OF THESE PLANS WILL BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- PEDESTRIAN AND VEHICULAR ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES EXCEPT WHERE PRIOR WRITTEN APPROVAL FROM THE PROPERTY OWNER HAS BEEN OBTAINED.
- BARRICADE OPEN DEPRESSIONS AND HOLES OCCURRING AS PART OF THIS WORK, AND POST WARNING LIGHTS ON ADJACENT PROPERTIES WITH PUBLIC ACCESS. OPERATE WARNING LIGHTS DURING HOURS FROM DUSK TO DAWN EACH DAY AND AS OTHERWISE REQUIRED.
- PROTECT STRUCTURES, UTILITIES, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING WASHOUT AND OTHER HAZARDS CREATED BY OPERATIONS UNDER THIS SECTION.
- CONTRACTOR TO PLACE 30% FIBER STORAGE ALONG ENTIRE ROUTE, UNLESS SPECIFIED OTHERWISE ON THE PLAN.

II. TRAFFIC CONTROL

- THE CONTRACTOR IS ADVISED THAT ALL LANE CLOSURES SHALL BE KEPT TO A MINIMUM. LOCAL JURISDICTIONS WILL APPROVE ONLY THOSE LANE AND ROADWAY CLOSURES DETERMINED TO BE NECESSARY FOR THE CONTRACTOR TO ACCOMPLISH A SPECIFIC TASK. NO LANE OR ROADWAY CLOSURES WILL BE PERMITTED WITHOUT PRIOR APPROVALS.
- THE CONTRACTOR SHALL KEEP ALL TRAFFIC LANES AND SHOULDERS CLEAR OF EQUIPMENT AND MATERIALS DURING NON-WORKING HOURS. EQUIPMENT AND MATERIALS SHALL NOT BE STORED ON THE STREETS. THE CONTRACTOR'S EMPLOYEES AND AGENTS SHALL NOT PARK PRIVATE VEHICLES ALONG THE ROADWAY OR MEDIAN.

III. SITE PREPARATION

- SOD AND LAWN TO BE REMOVED SHALL BE CUT TO A NEAT VERTICAL LINE 6" MINIMUM BEYOND THE TRENCH LINE. SOD SHALL BE EITHER REMOVED FROM THE SITE, OR CAREFULLY STOCKPILED FOR REUSE.
- SAW CUT PAVEMENT TO A NEAT VERTICAL LINE 8" TO 12" MINIMUM BEYOND THE TRENCH LINE. REPLACE PAVEMENT WITH LIKE MATERIAL (I.E., ASPHALT WITH ASPHALT, CONCRETE WITH CONCRETE).
- EXCEPT AS NOTED HEREIN, ALL MATERIAL REMOVED SHALL BE TAKEN FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR.

IV. TRENCH EXCAVATION AND BACKFILL

- TRENCH BACKFILL -- WHERE MATERIAL EXCAVATED FROM TRENCHES IS UNSUITABLE FOR BACKFILL, THE CONTRACTOR SHALL BACKFILL WITH BANK RUN GRAVEL OR MAY ELECT TO USE CDF IN LIEU OF THE COMPACTION/PROCTOR PROCESS. STONEYAY MIX 351 IS ACCEPTABLE IN ALL LOCATIONS. QUICK SETTING MIX 1004 IS ACCEPTABLE IN NON-TRAFFIC AREAS. MIX 1121 IS TO BE USED IN TRAFFIC-BEARING LOCATIONS.
- COMPACTION, WHEN NECESSARY, SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL REQUIREMENTS.

V. UTILITY DUCT

- BURIED DUCT SHALL BE (3) 1-1/4" HDPE. MINIMUM COVER SHALL BE 36" WITH A MINIMUM SLOPE VAULT. PRFUP2022006
- THOROUGHLY CLEAN CONDUIT BEFORE USING OR LAYING. DURING CONSTRUCTION AND AFTER THE DUCT LINE IS COMPLETED, PLUG ENDS OF CONDUITS TO PREVENT WATER WASHING INTO CONDUIT OR MANHOLES, TAKE PARTICULAR CARE TO KEEP CONDUITS CLEAR OF CONCRETE, DIRT AND ANY OTHER SUBSTANCE DURING THE COURSE OF CONSTRUCTION.
- AFTER DUCT PLACEMENT HAS BEEN COMPLETED, PROOF AND CLEAN DEBRIS FROM EACH DUCT, ITS ENTIRE LENGTH. INSTALL PULL ROPE AND PLACE WATERTIGHT COMPRESSION PLUGS AT BOTH ENDS. ANY CONDUITS CONTAINING FIBER CABLE WILL REQUIRE SIMPLEX COMPRESSION PLUGS SEALING THE CONDUITS AROUND THE CABLE.
- OUTSIDE INNERDUCT SHALL BE 1 1/4" OPTIC-GUARD NON-METALLIC FLEXIBLE, IN COLOR SUCH AS RED OR ORANGE, WITH PULL ROPES & PLUGS. EXPOSED INNERDUCT INSIDE OF BUILDINGS SHALL BE PLENUM-RATED.
- ALL RISER MORE THAN 50' FROM A VAULT OR A PULL POINT ARE TO BE 4" SCHEDULE 80 PVC STOPPED AT THE BASE OF THE POLE WITH (3) 1-1/4" HDPE DUCTS PASSING THROUGH. RISERS WITHIN 50' OF A VAULT WILL BE 4" SCHEDULE 80 PVC CONDUIT WITH (3) 1-1/4" INNERDUCTS PASSING THROUGH.
- WHENEVER FIBER IS PLACED IN UNDERGROUND DUCT AND NO EXISTING LOCATE WIRE CURRENTLY EXISTS, LOCATE WIRE SHALL BE PLACED AT TIME OF FIBER PLACEMENT.

VI. CONCRETE CEMENT PAVEMENT

- ALL CONCRETE CEMENT PAVEMENT REMOVED OR DAMAGED BY THIS WORK SHALL BE REPLACED ACCORDING TO THE STANDARD SPECIFICATIONS OF EACH CITY OR COUNTY.

VII. ASPHALT CEMENT PAVEMENT

- ALL ASPHALT CEMENT PAVEMENT REMOVED OR DAMAGED BY THIS WORK SHALL BE REPLACED ACCORDING TO THE REQUIREMENTS OF EACH CITY OR COUNTY.

VIII. GRAVEL AREAS

- ALL GRAVEL AREAS DAMAGED OR REMOVED BY THIS WORK SHALL BE REPLACED WITH CRUSHED SURFACING TOP COURSE IN ACCORDANCE WITH THE REQUIREMENTS OF EACH CITY OR COUNTY.

IX. SITE RESTORATION

- ALL DISTURBED OR DAMAGED AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED PRIOR TO PLACEMENT OF THE CONDUIT AND STRUCTURES.
- VEGETATION REMOVED FOR THIS WORK SHALL BE REPLACED WITH IN-KIND PLANT MATERIAL AND SHALL BE PROPERLY PLANTED AND WATERED IN TO ENSURE ITS SURVIVAL.
- SITE RESTORATION SHALL INCLUDE REPLACING EXISTING CABLING AND PULL ROPES IN EXISTING CONDUITS AS THEY EXISTED PRIOR TO CONSTRUCTION.

X. WATER QUALITY

- CONSTRUCTION ACTIVITIES OCCURRING ADJACENT TO STORM DRAINAGE STRUCTURES SHALL COMPLY WITH THE STATE OF WASHINGTON'S WATER QUALITY STANDARDS
- THE CONTRACTOR SHALL LIMIT THE USE OF PETROLEUM PRODUCTS ON THE SITE.

XI. BORING

- WHEN BORING ROADWAYS, INSTALL (3) 1-1/4" HDPE CONDUITS WITH PULL ROPES AND PLUGS.
- PROTECT EXISTING UTILITIES -- COORDINATE WITH LOCAL JURISDICTIONS TO POTHOLE AS REQUIRED TO LOCATE EXISTING UTILITIES.

XII. FIRE PROTECTION

- ALL INSTALLED BACKBOARDS SHALL BE PAINTED WITH FIRE-RESISTANT PAINT.
- ALL FIRE SEALED DUCT ENDS AND CORES SHALL BE 2 HOUR FIRE-RATED. ALL FIRE SEAL IN EXISTING LOCATIONS SHALL BE REPAIRED OR REPLACED UPON DUCT OR CABLE PLACEMENT.

XIII. AERIAL

- ALL AERIAL CONSTRUCTION IS TO BE PERFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
- ALL NEW AERIAL (AND EXISTING) CABLE HEIGHTS OF ATTACHMENT TO BE DOCUMENTED AT TIME OF CONSTRUCTION.
- 6.6 MM STRAND TO BE USED WITH STANDARD 5/8" POLE LINE HARDWARE UNLESS OTHERWISE SPECIFIED. BOND STRAND TO POWER MAIN WHERE APPLICABLE.
- ALL ANCHORS TO BE USED WILL BE 3/4" SCREW TYPE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN AND FOLLOW ALL NESC CODES ALONG WITH APPLICABLE LOCAL AND REGIONAL GOVERNING AUTHORITIES. ANY DISCREPANCIES BETWEEN THESE AUTHORITIES AND OR THE CONSTRUCTION PERMITS IS TO BE VALIDATED WITH THE DESIGNER OR ENGINEER PRIOR TO CONSTRUCTION.

Designed	Checked
Drafted	Checked
FS-KMK	FS-CRV
FS-CRV	FS-KMK
12/08/21	12/08/21
12/08/21	12/08/21

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LINE TYPE LEGEND

RIGHT OF WAY	— ROW —	— ROW —
EDGE OF PAVEMENT	— EOP —	— EOP —
FOGLINE	— FL —	— FL —
WATER	— W —	— W —
SEWER	— S —	— S —
POWER / ELECTRIC	— P —	— P —
TRAFFIC SIGNAL	— TS —	— TS —
GAS / OIL	— G —	— G —
STEAM	— ST —	— ST —
COMMUNICATION	— C —	— C —
TELCO	— T —	— T —
COM DUCT BANK	— DUCT —	— DUCT —
STORM DRAIN	— D —	— D —
DRAINAGE DITCH	— DD —	— DD —
ROCKERY		
GUARDRAIL		
FENCE		
PULL THROUGH	— C —	— C —
OTHER CONDUIT	— C —	— C —

SYMBOL LEGEND:

EDGE OF PAVEMENT	— EOP	BORE PIT	
STATIONING MARK	— STA	PROPOSED VAULT	
EXISTING VAULT		PROPOSED CONDUIT	
LIGHT/TRAFFIC POLE		ASPHALT ROADWAY RESTORATION	
TRAFFIC LANE ARROW		CONCRETE SIDEWALK RESTORATION	
CALLOUT NUMBER		FIR TREE	
CALLOUT ARROW		DECIDUOUS TREE	
DRAIN MANHOLE		HEDGE LINE	
CATCH BASIN		FEDERALLY COMPLIANT ADA RAMP	
SEWER MANHOLE			
FIRE HYDRANT			
UTILITY VALVE			
WATER METER			
UTILITY POLE			
MONUMENT			
RISER			

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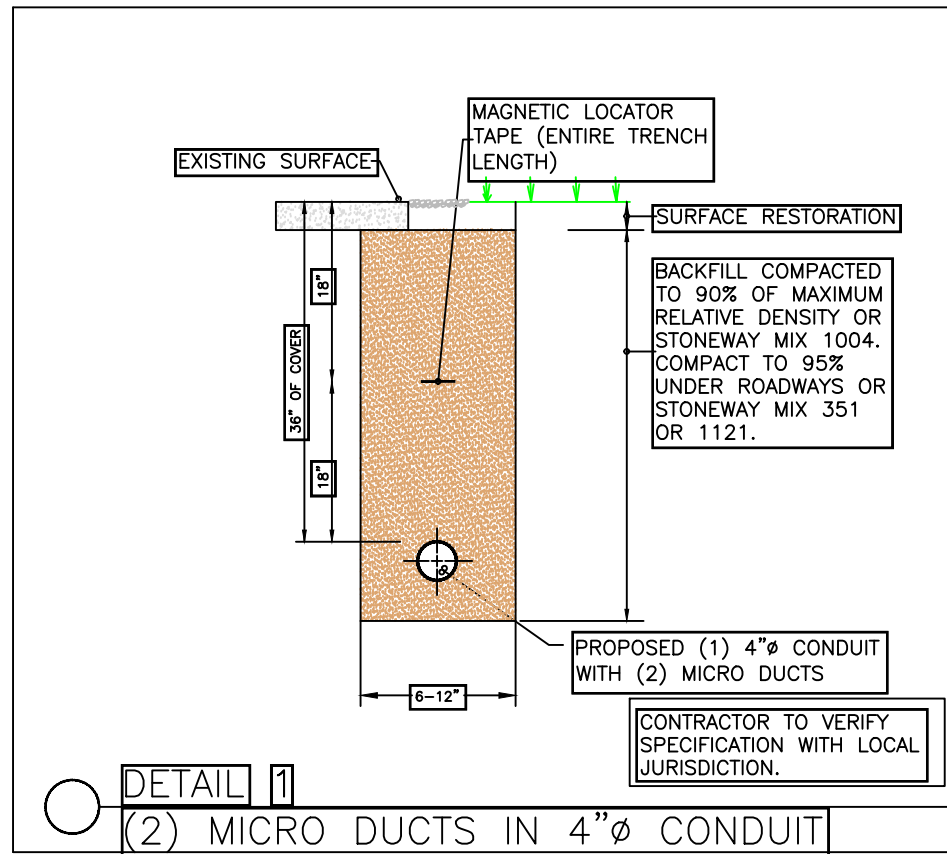
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City of Puyallup
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STANDARD DETAILS

12/08/21	FS-KMK	Designed
12/08/21	FS-CRV	Drafted
12/08/21	FS-KMK	Checked

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CONSTRUCTION NOTES:

- 1 LEAVE 150' TAIL OF EACH 432CT MICROFIBERS FOR FUTURE SPLICING. SEE PHASE 2 FOR DETAILS.
- 2 PULL (2) MICRO DUCTS WITH (2) 432CT MICROFIBERS WITH TRACER THROUGH EXISTING CONDUIT.
- 3 PULL (2) 432CT MICROFIBERS WITH TRACER THROUGH EXISTING ZAYO VAULT.
- 4 TRENCH IN GRASS PER DETAIL ON SHEET 4. INSTALL (1) 4"Ø CONDUIT WITH (2) MICRO DUCTS AND PULL (2) 432CT MICROFIBERS WITH TRACER THROUGH.

CONSTRUCTION NOTES:

- 5 SWEEP (1) 4"Ø CONDUIT WITH (2) MICRO DUCTS INTO EXISTING WAVE VAULT AND PULL (2) 432CT MICROFIBERS WITH TRACER THROUGH.
- 6 PULL (2) MICRO DUCTS WITH (2) 432CT MICROFIBERS WITH TRACER THROUGH EXISTING CONDUIT. EXIT RIGHT OF WAY. SEE SITE DESIGN FOR DETAILS.

PRFUP2022006

NOTE:
STATIONING STARTS AT 30+00 AT THE INTERSECTION OF 39TH AVE SE AND 10TH ST SE.

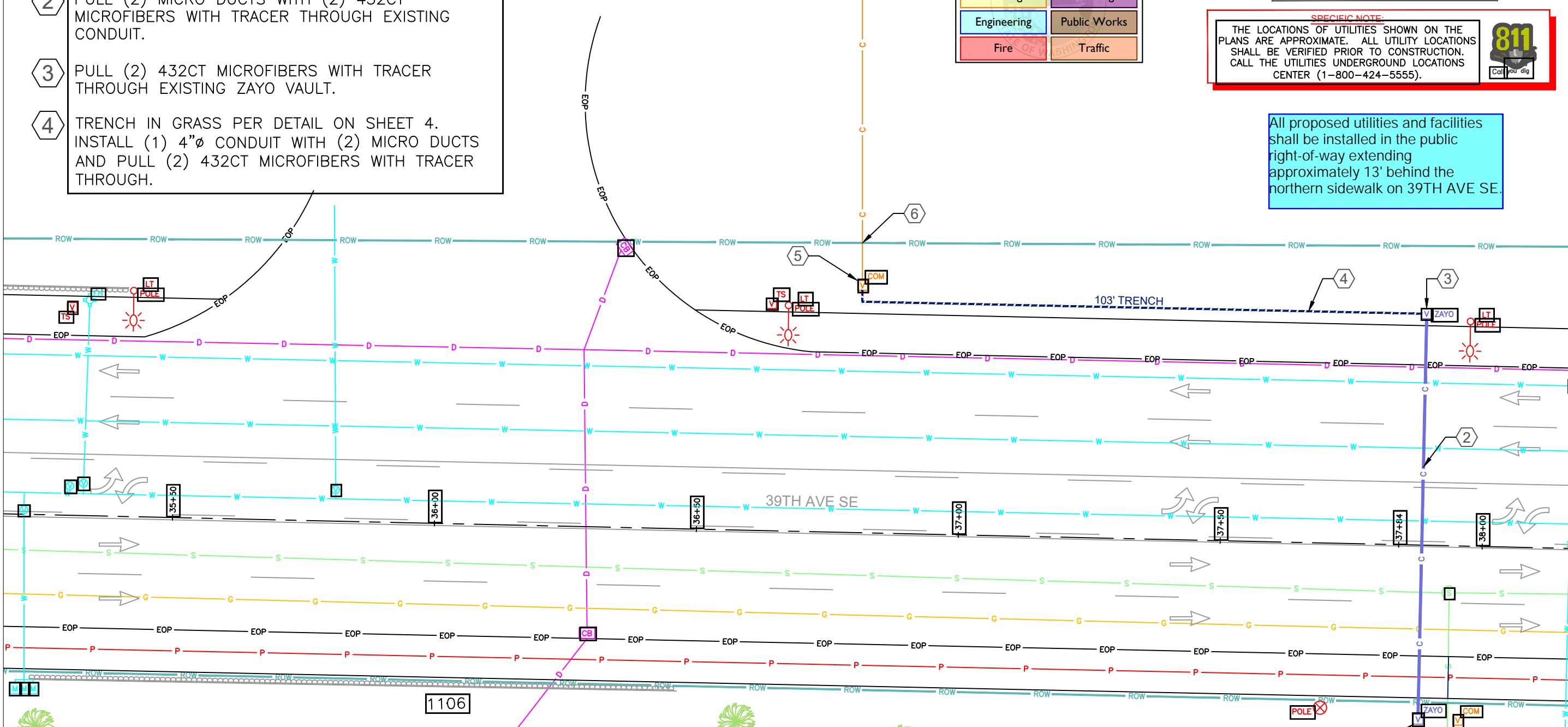
SPECIFIC NOTE:
THE LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. ALL UTILITY LOCATIONS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. CALL THE UTILITIES UNDERGROUND LOCATIONS CENTER (1-800-424-5555).



All proposed utilities and facilities shall be installed in the public right-of-way extending approximately 13' behind the northern sidewalk on 39TH AVE SE.

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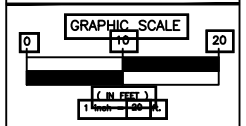
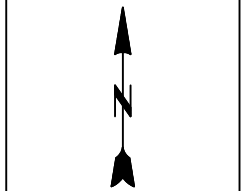
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Engineering	Public Works
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The City of Puyallup does not authorize or permit work on private property.

DIRECTIONAL BORE LEGEND

●	POTHOLE LOCATION INDICATOR
○	POTHOLE IN SOFT SURFACES WHEN POSSIBLE
BP-01	BORE PIT CALLOUT TAG
V-##	VAULT CALLOUT TAG



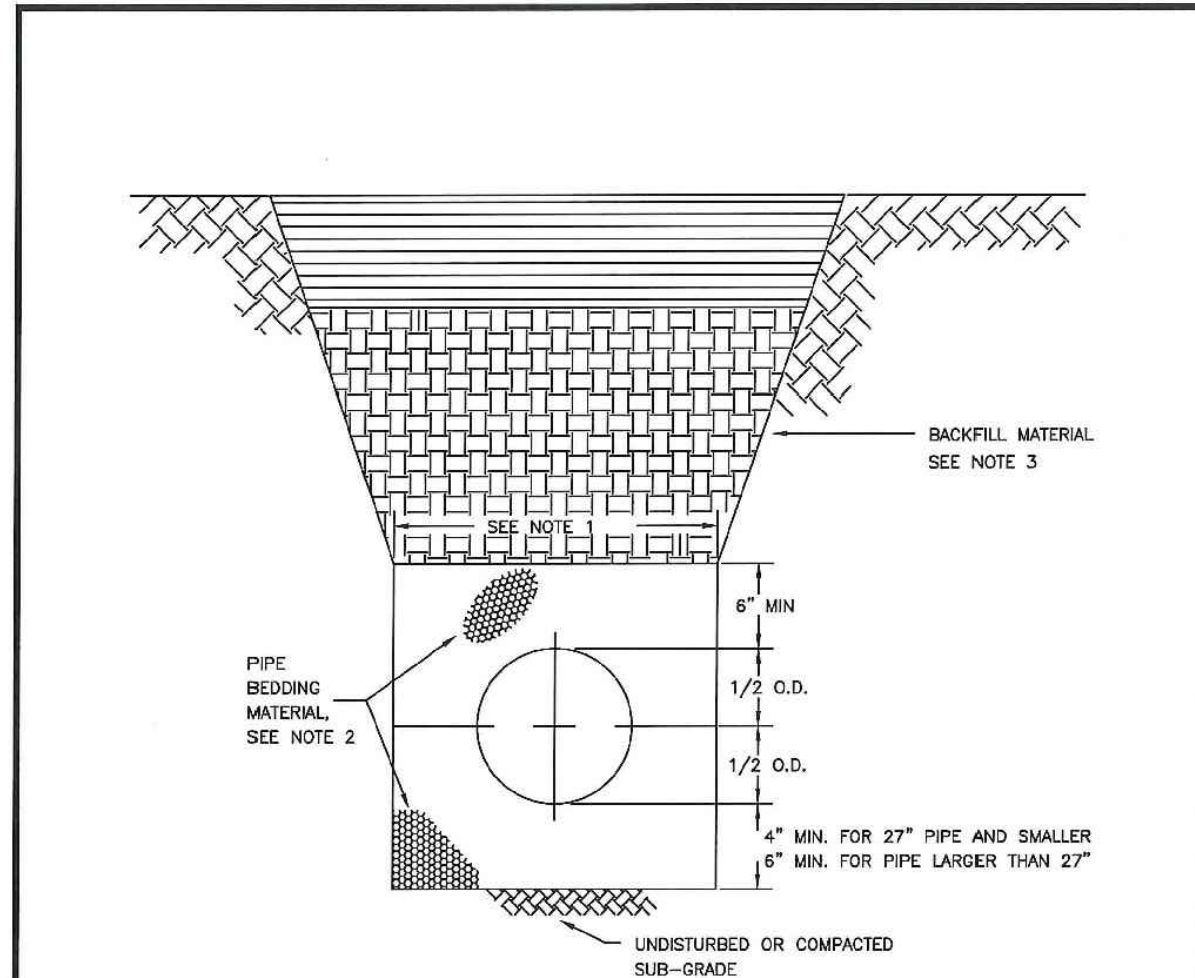
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12/08/21	FS-KMK

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1. TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-08.3(1)A AND 2-06.3(1) OF THE WSDOT SPECIFICATIONS.
2. BEDDING MATERIAL SHALL CONFORM TO 9-03.12(3) GRAVEL BACKFILL FOR PIPE ZONE BEDDING.
3. GRAVEL BACKFILL SHALL CONFORM TO 9-03.12(1)A GRAVEL BACKFILL FOR FOUNDATIONS, CLASS A.



CITY OF
PUYALLUP
OFFICE
of
THE CITY ENGINEER

PIPE TRENCHING
BEDDING AND BACKFILL

DRAWN BY JIM ERWIN-SVODODA	CHECKED BY TED HILL	APPROVED BY MARK PALMER	REVISED BY V STOCKMAN	DATE REVISED: 03/21/11 02/09/17 XXXXXX XXXXXX	CITY STANDARD 07.01.01
FILE NAME: F:\DWG\COMMON\STD\CI\TYSTD\07_MISC\07.01.01.01			DATE APPROVED 07/01/2009	SCALE 1:1	

12/08/21	Designed	FS-KMK
12/08/21	Drafted	FS-CRV
12/08/21	Checked	FS-KMK

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