

**INTERLOCAL AGREEMENT
BETWEEN
SNOHOMISH COUNTY FIRE DISTRICT NO. 21
AND
CITY OF ARLINGTON
FOR
MAINTENANCE SECURITY AGREEMENT**

THIS MAINTENANCE SECURITY AGREEMENT (the "Agreement") is made and entered into in this 11 day of October, 2021, by and between **SNOHOMISH COUNTY FIRE DISTRICT NO. 21**, a Washington municipal corporation (the "District") and the **CITY OF ARLINGTON**, herein referred to as the "City." The District and the City are individually a "Party" and collectively the "Parties."

WHEREAS, the District is in the process of designing and constructing a fire station located at 17827 McElroy Road, Arlington, Washington, Snohomish County Assessor Parcel No. 310619-003-013-00 (the "Fire Station");

WHEREAS, the District proposes to install a twelve-inch (12") diameter water line to connect the Fire Station to the City's public water system (the "Extension");

WHEREAS, the District and the City have executed a Developer Extension Agreement ("DE Agreement") providing for the terms, conditions and allocation of costs related to the Extension, and the transfer of the water line and connected facilities to the City;

WHEREAS, the City is a "water purveyor" and the Fire Station and Extension are located within the City's "service area", as those terms are defined in the Public Water System Coordination Act – Chapter 70A.100 RCW;

WHEREAS, the Fire Station and Extension are located in Snohomish County (the "County") and the construction approvals and permits necessary for the construction of the Fire Station is subject to review and approval of the County but the City approves construction drawings relating to the city water utility;

WHEREAS, the District has provided the City with the District's Civil Construction Plan set for the Extension sealed by John Smith, P.E. (the "Engineer of Record"), as depicted on the plans attached hereto as **Exhibit A** (the "Approved Plans");

WHEREAS, the Arlington Municipal Code - AMC 13.04.230 requires any developer who installs, repairs, or replaces public water systems provide to the City a maintenance security to cover the costs of replacing or repairing any of the public improvements installed and dedicated to the City;

WHEREAS, the City's Municipal Code – AMC 13.04.230 requires a maintenance security in the amount of twenty percent (20%) of the documented final costs of the improvement, which in this case is the Extension;

WHEREAS, the City's Municipal Code and the City Engineering Standards permit the City to accept this Agreement to satisfy the City's maintenance security requirements if approved by the City Finance Director in consultation with the City Attorney; and

WHEREAS, the District and the City enter into this Agreement to provide an enforceable contractual assurance for performance of the District's maintenance security obligations related to the Extension.

NOW, THEREFORE, in consideration of the mutual obligations and benefits herein, the Parties agree as follows:

1. **Maintenance Obligation of District.** The District shall:
 - a. Furnish all labor, equipment and materials necessary to perform and complete all work on the Extension in a good and workmanlike manner according to the Approved Plans.
 - b. In the event the Extension does not meet established performance standards set forth in the Approved Plans, the City will require that the Engineer of Record establish and oversee measures that shall be implemented to ensure that the aforementioned applicable Approved Plans are met.
 - c. If it is found that the construction of any of the Extension has not met the Approved Plans, the District shall be responsible for any needed improvements to comply with the Approved Plans, including all costs associated with corrective measures.
 - e. The City retains the right to extend the maintenance activities that the District is responsible for if the construction is not completed according to the Approved Plans at the end of the two (2)-year maintenance period provided in AMC 20.12.870.

2. **Term.** The District agrees to abide by the terms of this Agreement for the full term of the two (2) – year maintenance period, unless such period is extended by the City as provided for in this Agreement. At the end of the two (2)-year maintenance period, a City Public Works representative will provide an inspection of the facilities contained in this Agreement. The City will provide all necessary corrections in writing, and the District shall be fully responsible to correct any deficiencies found to not be in conformance with the Approved Plans.
 - a. Release of this Agreement at the end of the two (2)-year maintenance period will not be made without the written approval of the City Public Works Director.
 - b. Non-performance of the maintenance and repair(s) work (the "Work") as required within this Agreement shall be promptly performed by the District upon receipt of written notice from the City directing the performance of such Work. Prompt response by the District includes, but is not limited to, the District's good faith and diligent pursuit of a warranty claim against the District's third-party contractor within thirty (30) calendar days of notice from the City. If, following the City sending the District seven (7)-calendar day notice of the need to perform Work, the District fails to commence such Work, respond to the City with a plan to commence such Work, or pursue a warranty claim, the City may perform the work at the expense of the District. In the event of an emergency, the City may, after delivery of written notice to the District of such emergency condition and the District's failure to reasonably and timely respond, commence such Work at the cost of the District. For the purposes of this Agreement, "emergency" is defined as any circumstances which create an immediate danger to life or property if left unaddressed.

3. **Indemnification.** The City shall not, nor shall any officer or employee of the City, be liable or responsible for any accident, loss or damage happening or occurring to the work specified in this Agreement prior to the completion of approval hereof, nor shall the City or any officer or employee thereof be liable for any persons or property injured by reason of the acts or omissions of the District, its agents or employees in the performance of the work, and all of said liabilities are assumed by the District. The District agrees to protect, defend and hold harmless the City and the officers and employees thereof from all loss, liability or claim because of or arising out of the acts or omissions of the District, or its agents and employees, in the performance of this Agreement, except to the extent of the City's sole negligence. In the event of Claims that are caused by or results from the concurrent negligence of (1) the City or its officers, officials, employees, agents and volunteers, and (2) the District, its officers, officials, employees, agents and volunteers, this defense and indemnity provision shall be enforceable only to the extent of the District's and its officers', employees', agent's or volunteers' intentional misconduct or negligence in the performance of this Agreement. In the event that the City elects to defend itself against any claim or suit arising from any injury, death, or damage, the District, in addition to providing indemnification and holding the City harmless as set forth above, shall indemnify the City for all expenses incurred by the City in defending such claim or suit, including reasonable attorney fees.

4. **Modification to Scope of Work.** It is further agreed by and between the Parties hereto that, in the event it is deemed reasonably necessary to modify the scope of work on the Extension or extend the time of completion of the work on the Extension contemplated to be done under this Agreement and/or the Approved Plans, such modifications or extensions of time may be made by the City Director of Public Works either at his/her own option or upon request of the District, and such modification or extension shall in no way affect the validity of this Agreement. The District further agrees to maintain in full force and effect the terms of this Agreement, including any modifications or extensions of time as may be made.

5. **Severability.** It is understood and agreed by the District that if any part, term, or provision of this Agreement is by the courts held to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the Parties shall be constructed and enforced as if the Agreement did not contain the particular part, term or provision held to be invalid.

6. **Notice and Representatives.** The Parties designate the following persons as their representatives for this Agreement. All notices, demands, requests, consents, and approvals that may be required to be given shall be in writing and directed to:

CITY OF ARLINGTON:

DISTRICT:

7. **Independent Governments; No Liability.** Each Party is and shall remain an independent government. This Agreement does not create a partnership or other similar

arrangement. The Parties shall not be liable for the acts or omissions of the other Party or their respective public officials, employees, or agents.

8. **Term of Agreement.** Except as may be otherwise stated herein, the term of this Agreement shall commence upon execution by both Parties and shall continue for a period of two (2) years, unless extended as provided herein, or unless canceled by mutual agreement of the Parties.

9. **Amendment.** No modification or amendment of this Agreement may be made except by a written document signed by both Parties.

10. **Counterparts and Electronic Transmission.** This Agreement may be signed in counterparts. Electronic transmission of any signed original document, and retransmission of any signed electronic transmission shall be the same as delivery of an original document.

11. **Governing Law.** This Agreement, and the right of the Parties hereto, shall be governed by and construed in accordance with the laws of the State of Washington, and the Parties agree that, in any such action, jurisdiction and venue shall lie exclusively in Snohomish County, Washington. Notwithstanding the foregoing, any decision by the City as to whether or not the Approved Plans of this Agreement have been met shall be first appealed to the City Hearing Examiner according to the applicable administrative appeal processes for the City. Appeals of a City Hearing Examiner Decision are appealable to Superior Court pursuant to the Land Use Petition Act, Chapter RCW 36.70C.

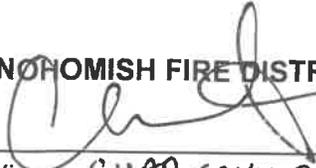
12. **Interpretation.** Each Party has participated in drafting this Agreement and has had this Agreement reviewed by legal counsel. Therefore, any language herein shall not be construed against either Party on the basis of which Party drafted the particular language.

13. **Heading.** The captions and headings provided in this Agreement are for reference purposes only and do not have any effect on the interpretation of this Agreement.

14. **Entire Agreement.** This Agreement contains all of the understandings between the Parties. Each Party represents that no promises, representations, or commitments have been made by the others as a basis for this Agreement which have not been reduced to writing herein. The above recitals and definitions are incorporated into and made part of this Agreement. No oral promises or representations shall be binding upon either Party, whether made in the past or to be made in the future, unless such promises or representations are reduced to writing in the form of a written modification to this Agreement, executed with both Parties.

DATED this 11 day of Oct, 2021.

SNODOMISH FIRE DISTRICT NO. 21

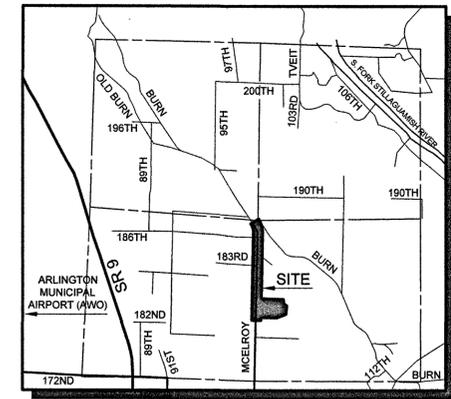

By: CHAD SCHINDLER
Its: Fire chief

CITY OF ARLINGTON


By: Barbara Tolbert
Its: Mayor

EXHIBIT A
(Extension Plans)

SNOHOMISH COUNTY FIRE DISTRICT 21 OFFSITE WATER MAIN EXTENSION



DAVID EVANS AND ASSOCIATES INC.
1620 W. Marine View Dr. Suite 200
Everett, Washington 98201
Phone: 425.259.4099

SNOHOMISH COUNTY FD 21
WATER PLAN
SNOHOMISH COUNTY FIRE DISTRICT 21
COVER SHEET

CITY OF ARLINGTON, WA

LEGAL DESCRIPTION

LOT 2 OF SURVEY RECORDED IN VOLUME 19 OF SURVEYS, PAGES 171 AND 172, UNDER AUDITOR'S FILE NO. 8407115030, BEING A PORTION OF GOVERNMENT LOT 3 IN SECTION 19, TOWNSHIP 31 NORTH, RANGE 6 EAST, W.M.

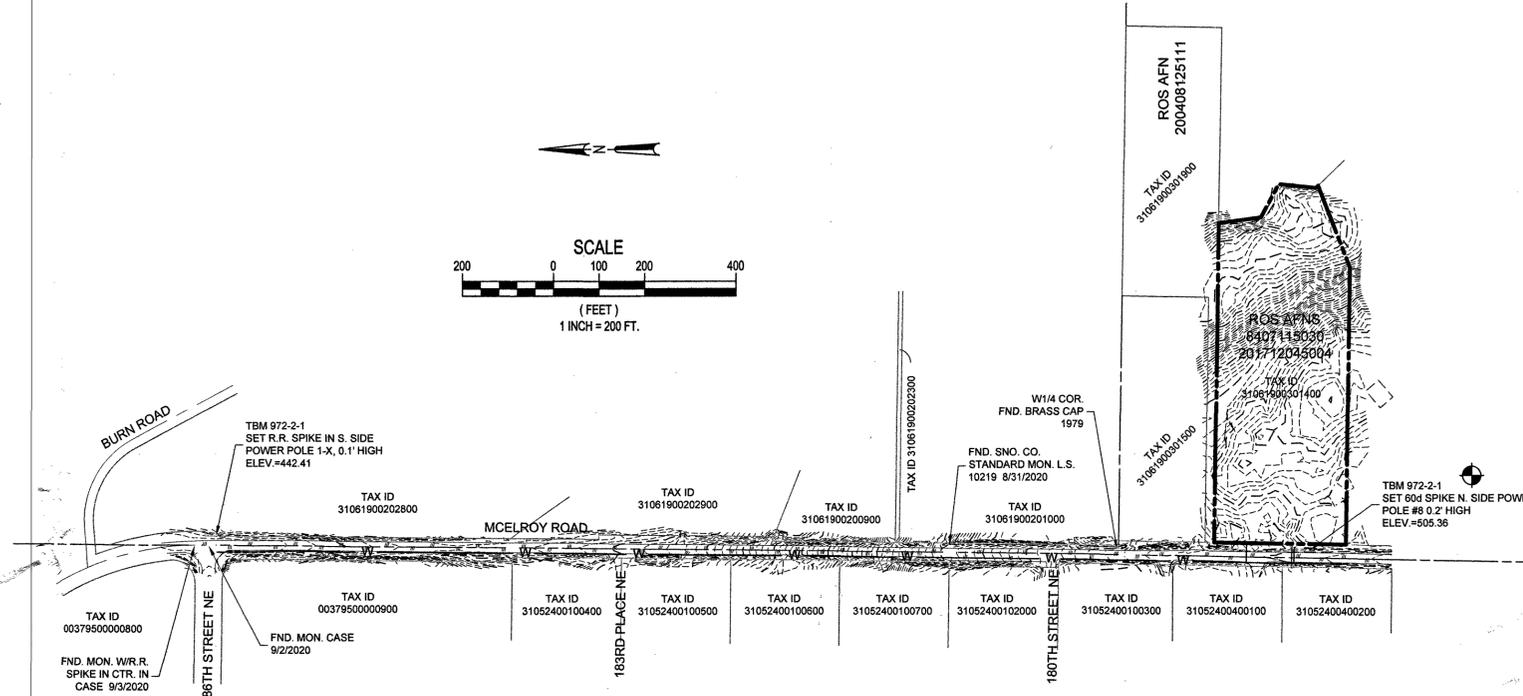
SITUATE IN THE COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

BASIS OF BEARING

LINE BETWEEN SW SEC. COR. & W1/4 COR. PER SURVEY AFN 8407115030.

DATUM / BENCHMARK

NAVD 88
TBM 972-2-1, SET 60d SPIKE N. SIDE POWER POLE #8 0.2' HIGH.
ELEVATION = 505.36



SITE INFORMATION

WATER MAIN INSTALLATION ON MCELROY ROAD
FROM 186TH STREET NE TO FUTURE FIRE STATION AT:
ADDRESS: 17827 MCELROY ROAD
ARLINGTON, WA 98223
PARCEL NO.: 31061900301400

PROJECT INFORMATION

OWNER: CITY OF ARLINGTON
238 N OLYMPIC AVENUE
ARLINGTON, WA 98223
PHONE: (360) 403-3421
CONTACT: RYAN MORRISON

APPLICANT: SNOHOMISH COUNTY FIRE DISTRICT 21
12131 228TH ST NE
ARLINGTON, WA 98223
PHONE: (360) 403-7191
CONTACT: CHAD SCHMIDT, FIRE CHIEF

ARCHITECT: TCA ARCHITECTURE
6211 ROOSEVELT WAY NE
SEATTLE, WA 98115
PHONE: (206) 522-3830
CONTACT: ERIC SCHAEER, AIA

CIVIL ENGINEER: DAVID EVANS & ASSOCIATES, INC.
1620 W. MARINE VIEW DR SUITE 200
EVERETT, WA 98201
PHONE: (425) 405-1509
CONTACT: JOHN SMITH, PE

SURVEYOR: CASCADE SURVEYING & ENGINEERING, INC.
P.O. BOX 326
ARLINGTON, WA 98223
PHONE: (308) 435-8551
CONTACT: FREDERICK POYNER, PLS

GEOTECHNICAL ENGINEER: ASSOCIATED EARTH SCIENCES, INC.
911 FIFTH AVENUE
KIRKLAND, WA 98033
PHONE: (425) 827-7701
CONTACT: STEPHEN SIEBERT, PE

WETLAND CONSULTANT: WETLAND RESOURCES, INC.
9505 19TH AVE SE, SUITE 106
EVERETT, WA 98208
PHONE: (425) 337-3174
CONTACT: ELYSE DENKERS

UTILITY PURVEYORS / SERVICES

FIRE: SNOHOMISH COUNTY FIRE DISTRICT 21
WATER: CITY OF ARLINGTON
SANITARY SEWER: SEPTIC
POWER: SNOHOMISH COUNTY PUD NO. 1
GAS: N/A
COMMUNICATIONS: FRONTIER / COMCAST

SHEET INDEX

- 1 COVER SHEET
 - 2 GENERAL NOTES
 - 3 TESC PLAN
 - 4-6 WATER PLAN AND PROFILE
 - 7-8 WATER DETAILS
- Received
FEB 05 2021
PUD-1297



CAUTION
LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. YOU MUST CALL 811 NOT LESS THAN 2 FULL BUSINESS DAYS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS.

REVIEWED BY: REVIEW BY
NO. DATE REVISION



CHECKED BY: JNS
DESIGNED BY: ADC
DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

PROJECT NO.
TCAX00000028

SHEET NO.

Plot Date: 1/8/2021 10:03 AM
Save Date: 1/6/2021 4:38 PM
By: April Coleman
File: P:\TTCAX\00000028\0400\CAD\SH\Water - City Of Arlington\EC-CV-TCAX-0028.dwg

CITY OF ARLINGTON PWD # 2337

**CITY OF ARLINGTON
CONSTRUCTION DRAWING REVIEW APPROVAL**

THIS PLAN SHEET HAS BEEN REVIEWED AND APPROVED PER THE CONDITIONS ON THE TITLE SHEET.

BY: Nova Heaton, PE, Development Services Manager

DATE: _____ THIS APPROVAL VALID FOR 18 MONTHS

**CITY OF ARLINGTON
CONSTRUCTION DRAWING REVIEW ACKNOWLEDGMENT**

THIS PLAN HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE CITY OF ARLINGTON CODES AND ORDINANCES. CONFORMANCE OF THE DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS AND/OR AUTHORIZATION WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDFW HYDRAULIC PROJECT APPROVAL (HPA), WSDOE NOTICE OF INTENT (NOI), ARMY CORP OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

BY: Nova Heaton DATE: 3/25/21
Nova Heaton, PE, Development Services Manager

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER 18 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL.

A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.

CITY OF ARLINGTON GENERAL CONSTRUCTION NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT EDITION OF THE CITY OF ARLINGTON PUBLIC WORKS STANDARDS AND SPECIFICATIONS, AND THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
2. IT IS THE SOLE RESPONSIBILITY OF THE DEVELOPER/CONTRACTOR TO OBTAIN A GRADING PERMIT, RIGHT-OF-WAY PERMIT, AND UTILITY PERMITS, FROM THE CITY. ALL REQUIRED PERMITS FROM OTHER AGENCIES MUST ALSO BE OBTAINED BY THE DEVELOPER/CONTRACTOR.
3. PRIOR TO ANY CONSTRUCTION ACTIVITY, THE DEVELOPER/CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY. THE CONTRACTOR SHALL SCHEDULE THE PRECONSTRUCTION CONFERENCE BY CALLING (360) 403-3500. PRIOR TO SCHEDULING, THE CONTRACTOR MUST SUBMIT AND RECEIVE APPROVAL FOR THE TRAFFIC CONTROL PLAN, CITY PERMITS, TEMPORARY EROSION AND SEDIMENT CONTROL PLAN, PERFORMANCE BOND, COPY OF OTHER AGENCY PERMITS, A COPY OF THE CONTRACTOR'S LICENSE, AND PROOF OF INSURANCE COVERAGE.
4. A COPY OF THE APPROVED CONSTRUCTION PLANS MUST BE ON THE JOB SITE WHEN CONSTRUCTION IS IN PROGRESS.
5. ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE PRIOR APPROVAL FROM THE OWNER, THE CITY ENGINEER, AND OTHER APPROPRIATE PUBLIC AGENCIES.
6. ALL OF THE LOCATIONS OF THE EXISTING UTILITIES SHOWN IN THE PLANS HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHALL THEREFORE BE CONSIDERED APPROXIMATE AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS.
7. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATE SERVICE (1-800-424-5555 OR 811) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
8. INSPECTION AND ACCEPTANCE OF ALL WORK WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF ARLINGTON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE REMOVAL AND REPLACEMENT OF ITEMS THAT DO NOT MEET CITY STANDARDS OR WERE CONSTRUCTED WITHOUT INSPECTION.
9. THE CONTRACTOR SHALL KEEP THE ON-SITE AND OFF-SITE STREETS CLEAN AT ALL TIMES BY CLEANING WITH A SWEEPING AND/OR VACUUM TRUCK. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE CITY INSPECTOR.
10. THE CONTRACTOR SHALL MAINTAIN TWO (2) SETS OF "ASBUILT" PLANS SHOWING ALL FIELD CHANGES AND MODIFICATIONS. IMMEDIATELY AFTER CONSTRUCTION COMPLETION, THE CONTRACTOR SHALL DELIVER BOTH COPIES OF RED-LINED PLANS TO THE CITY. THE CITY WILL FORWARD ONE OF THE COPIES TO THE DESIGN ENGINEER.

CITY OF ARLINGTON WATER SYSTEM CONSTRUCTION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND CURRENT EDITION OF THE CITY OF ARLINGTON STANDARDS AND SPECIFICATIONS. ANY CHANGES TO THE DESIGN REQUIRE CITY APPROVAL.
2. ALL MATERIALS SHALL CONFORM TO THE CITY STANDARDS AND SPECIFICATIONS AND SHALL BE APPROVED BY THE CITY PRIOR TO DELIVERY TO THE JOB SITE. MATERIAL SUBMITTALS ARE REQUIRED AND MUST BE APPROVED PRIOR TO SCHEDULING A PRE-CONSTRUCTION CONFERENCE.
3. WATER MAINS SHALL BE CEMENT-LINED DUCTILE IRON PIPE CLASS 52 UNLESS OTHERWISE APPROVED BY THE CITY.
4. ALL SERVICE LOCATIONS SHALL BE FIELD APPROVED BY THE CITY PRIOR TO INSTALLATION.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE UNDERGROUND UTILITIES BY CALLING ONE-CALL UNDERGROUND UTILITY LOCATOR (1-800-424-5555 OR 811) 48 HOURS PRIOR TO CONSTRUCTION.
6. ADEQUATE TRENCH SHEETING AND/OR SHORING SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY OSHA AND WISHA.
7. THE PIPE SHALL BE INSTALLED BY FOLLOWING THE FINISHED GRADE PROFILE WHEREVER POSSIBLE. THE DEPTH OF COVER SHALL BE TYPICALLY 36 INCHES (3 FEET), AND MAY BE UP TO 60 INCHES (5 FEET) WITH THE APPROVAL OF THE CITY ENGINEER. WATER MAINS UNDER THE STATE (OR COUNTY) HIGHWAYS SHALL MEET THE MINIMUM COVER DEPTHS REQUIRED BY WSDOT (OR SNOHOMISH COUNTY).
8. PIPE JOINT DEFLECTIONS SHALL NOT EXCEED ONE-HALF OF PIPE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTIONS. BENDS MAY BE REQUIRED TO MAINTAIN PROPER WATER MAIN ALIGNMENT WITHIN EASEMENTS OR PUBLIC RIGHT-OF-WAY.
9. WATER MAIN SHALL NOT BE PLACED UNDER SIDEWALK, CURBS, GUTTERS, OR ANY PERMANENT STRUCTURES WITHOUT THE PRIOR APPROVAL OF THE CITY ENGINEER.
10. NO CONNECTION TO THE CITY WATER SYSTEM IS ALLOWED UNTIL THE NEW CONSTRUCTION PASSES PRESSURE AND PURITY TESTS, AND HAS BEEN APPROVED AND ACCEPTED BY THE CITY.
11. PRIOR TO MAKING CONNECTIONS TO THE EXISTING SYSTEM, CONTRACTOR SHALL FIELD VERIFY THE LOCATION, DEPTH AND MATERIAL OF EXISTING WATER MAINS AT THE POINT OF CONNECTION.
12. ALL WATER LINES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL CLEARANCE FROM SANITARY SEWERS. WHEN WATER LINES CROSS SEWER LINES, THE MINIMUM VERTICAL CLEARANCE SHALL BE 18 INCHES.
13. TO FILL THE MAIN FOR FLUSHING, PRESSURE AND PURITY TESTS, THE CONTRACTOR IS REQUIRED TO USE AN APPROVED METER AND DCVA. THE HYDRANT SHALL REMAIN IN THE FULL OPEN POSITION TO PREVENT BACK-SIPHONAGE THROUGH THE DRAIN HOLE. AFTER SUCCESSFUL TESTING, THE CONTRACTOR WILL TIE INTO THE EXISTING SYSTEM, USING DISINFECTED SLEEVES AND SPOOL PIECES.
14. THE CONTRACTOR SHALL CONTACT THE CITY FOR VALVE OPERATION. ONLY AUTHORIZED REPRESENTATIVES OF THE CITY CAN OPERATE VALVES IN THE CITY WATER SYSTEM.
15. THE CONTRACTOR IS HEREBY NOTIFIED THAT, SINCE FILLING AND FLUSHING WILL BE DONE THROUGH A CROSS-CONNECTION CONTROL DEVICE, LOW VELOCITY FLOWS MAY BE ENCOUNTERED. THEREFORE, EVERY ATTEMPT SHALL BE MADE TO KEEP THE PIPE CLEAN DURING INSTALLATION. THIS MAY INCLUDE SWABBING THE PIPE WITH CHLORINATED WATER.
16. THE CONTRACTOR SHALL PERFORM TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL, DUST CONTROL, NOISE CONTROL, AND TRAFFIC CONTROL AS REQUIRED BY THE CITY OR OTHER APPLICABLE AGENCIES.
17. CUTTING AND PATCHING OF ROADWAYS SHALL CONFORM TO THE REQUIREMENTS OF THE RIGHT-OF-WAY PERMIT OF THE CITY OR OTHER APPLICABLE AGENCY.
18. ALL IN-LINE PIPE JOINTS SHALL BE RESTRAINED WITH FIELD LOCK GASKETS.
19. ALL FITTINGS SHALL BE RESTRAINED JOINTS AND HAVE THRUST BLOCKING.



DAVID EVANS
AND ASSOCIATES INC.
1620 W. Marine View Dr. Suite 200
Everett, Washington 98201
Phone: 425.259.4099

SNOHOMISH COUNTY FD 21
 WATER PLAN
 SNOHOMISH COUNTY FIRE DISTRICT 21
 GENERAL NOTES

WA

CITY OF ARLINGTON

NO.	REVIEWED BY:	DATE:	REVISION



CHECKED BY: JNS
DESIGNED BY: ADC
DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

PROJECT NO.
TCAX00000028

SHEET NO.

City of Arlington
 Approved Denied with Conditions
 Date: 2/25/21
 By: *[Signature]*
 No changes authorized unless approved by
 the Development Services Manager

Plot Date: 1/7/2021 3:51 PM
 Save Date: 1/6/2021 1:10 PM
 By: April Coleman
 File: P:\11\TCAX\00000028\0400CAD\SHETS\Water - City Of Arlington\EC-GN-TCAX-0028.dwg

A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

THIS STORMWATER POLLUTION PREVENTION PLAN IS PROVIDED IN ACCORDANCE WITH THE TERMS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR CONSTRUCTION ACTIVITIES FOR THIS PROJECT. THE CONTRACTOR IS ADVISED THAT THE PROJECT AREA DRAINS TO WETLANDS AND/OR STATE WATERS AND THAT THE CONTRACTOR IS RESPONSIBLE TO PROTECT THE RECEIVING WATERS FROM DELETERIOUS EFFECTS OF CONSTRUCTION.

THE CONTRACTOR IS REQUIRED TO HAVE A COPY OF THE NPDES PERMIT AS WELL AS THE SWPPP ON SITE AT ALL TIMES.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE EROSION CONTROL MEASURES SHOWN OR DESCRIBED IN THE CONTRACT DOCUMENTS AND ANY ADDITIONAL MEASURES THAT MAY BE REQUIRED BY THE CONTRACTORS MEANS AND METHODS OF CONSTRUCTION AS NEEDED TO CONTROL EROSION AND SEDIMENT AT THE CONSTRUCTION SITE AND TO PREVENT VIOLATION OF SURFACE WATER QUALITY, GROUND WATER QUALITY, OR SEDIMENT MANAGEMENT STANDARDS. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED EARTH IS STABILIZED IN FINISH GRADES.

THE FOLLOWING DESCRIBES HOW THE CONSTRUCTION SWPPP ADDRESSES EACH OF THE 12 REQUIRED ELEMENTS. REFER TO THESE PLANS FOR DRAWINGS OF THE PROJECT, VICINITY MAP, SITE MAP, CONVEYANCE SYSTEMS, EROSION AND SEDIMENT CONTROL MEASURES, AND EROSION AND SEDIMENT CONTROL DETAILS.

ELEMENT #1: PRESERVE VEGETATION/CLEARING LIMITS

1. PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES (INCLUDING CLEARING AND GRADING) CLEARLY MARK ALL CLEARING LIMITS AND TREES THAT ARE TO BE PRESERVED WITHIN THE CONSTRUCTION AREA AS SHOWN ON THE DRAWINGS.
2. SILT FENCE, GEOTEXTILE ENCASED BARRIERS, CONSTRUCTION FENCE, ORANGE PLASTIC FENCE, SILT FENCE, GEOTEXTILE ENCASED BARRIERS, CONSTRUCTION FENCE, ORANGE PLASTIC FENCE, AND OTHER EROSION CONTROL MEASURES MAY BE USED TO MARK THE CLEARING LIMITS AT THE CONTRACTOR'S OPTION.
3. THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM DEGREE PRACTICABLE.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C101: PRESERVE NATURAL VEGETATION

ELEMENT #2: ESTABLISH CONSTRUCTION ACCESS

1. CONSTRUCTION VEHICLE ACCESS AND EXIT SHALL BE LIMITED TO ONE ROUTE. REFER TO SWPP PLAN OF THESE PLANS FOR THE CONSTRUCTION ENTRANCE LOCATION. ALL ACCESS/EXIT POINTS SHALL BE STABILIZED WITH QUARRY SPALLS, CRUSHED ROCK OR OTHER EQUIVALENT BMP, TO MINIMIZE THE TRACKING OF SEDIMENT ONTO PUBLIC ROADS.
2. IF THE STABILIZATION MEASURE IS NOT EFFECTIVE IN PREVENTING SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADS, WHEEL WASH OR TIRE BATHS SHALL BE LOCATED ON SITE.
3. IF SEDIMENT IS TRACKED OFF SITE, PUBLIC OR PRIVATE ROADS SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY, OR MORE FREQUENTLY DURING WET WEATHER. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR PICKUP SWEEPING AND SHALL BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
4. STREET WASHING IS ALLOWED ONLY AFTER SEDIMENT IS REMOVED AS DESCRIBED ABOVE. STREET WASH WASTEWATER SHALL BE CONTROLLED BY PUMPING BACK ON SITE OR OTHERWISE BE PREVENTED FROM DISCHARGING INTO SYSTEMS TRIBUTARY TO WATERS OF THE STATE.

ELEMENT #3: CONTROL FLOW RATES

1. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VELOCITY AND PEAK VOLUMETRIC FLOW RATE OF STORMWATER RUNOFF FROM THE PROJECT SITE.

ELEMENT #4: INSTALL SEDIMENT CONTROLS

1. THE DUFF LAYER, NATIVE TOPSOIL, AND NATURAL VEGETATION SHALL BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE.
2. SEDIMENT CONTROL BMPs SHALL BE CONSTRUCTED AS ONE OF THE FIRST STEPS IN GRADING. THESE BMPs SHALL BE FUNCTIONAL BEFORE OTHER LAND DISTURBING ACTIVITIES TAKE PLACE.
3. PRIOR TO LEAVING THE CONSTRUCTION SITE, STORMWATER RUNOFF FROM DISTURBED AREAS SHALL PASS THROUGH AN APPROVED SEDIMENT REMOVAL BMP. RUNOFF FROM FULLY STABILIZED AREAS MAY BE DISCHARGED WITHOUT A SEDIMENT REMOVAL BMP, BUT MUST MEET THE FLOW CONTROL PERFORMANCE STANDARD OF ELEMENT #3.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C150: MATERIALS ON HAND

ELEMENT #5: STABILIZE SOILS

1. EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY APPLICATION OF EFFECTIVE BMPs THAT PROTECT THE SOIL FROM EROSION FORCES OF RAINFALL, FLOWING WATER, AND WIND.
2. TO PREVENT EROSION, NO SOIL SHALL REMAIN EXPOSED AND UNWORKED FOR MORE THAN THE TIME PERIODS SET FORTH BELOW:
DURING THE WET SEASON (OCTOBER 1 - APRIL 30): 2 DAYS
DURING THE DRY SEASON (MAY 1 - SEPT. 30): 7 DAYS
THIS STABILIZATION REQUIREMENT APPLIES TO ALL SOILS ON SITE, WHETHER AT FINAL GRADE OR NOT. THESE TIMES MAY BE ADJUSTED BY THE LOCAL PERMITTING AUTHORITY IF IT CAN BE SHOWN THAT SITE CONDITIONS OR THE AVERAGE TIME BETWEEN STORM EVENTS JUSTIFIES A DIFFERENT STANDARD.
3. SOILS SHALL BE STABILIZED AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF NEEDED BASED ON THE WEATHER FORECAST.
4. SOIL STOCKPILES SHALL BE STABILIZED FROM EROSION, PROTECTED WITH SEDIMENT TRAPPING MEASURES, AND WHERE POSSIBLE, BE LOCATED AWAY FROM STORM DRAIN LINES.
5. APPLICABLE BMPs INCLUDE, BUT ARE NOT LIMITED TO: TEMPORARY AND PERMANENT SEEDING, SODDING, MULCHING, PLASTIC COVERING, EROSION CONTROL FABRICS AND MATTING, SOIL APPLICATION OF POLYACRYLAMIDE (PAM), THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED AND DUST CONTROL. SELECT SOIL STABILIZATION MEASURES SHALL BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, ESTIMATED DURATION OF USE, AND THE POTENTIAL WATER QUALITY IMPACTS.
6. REMOVE ALL TESC MEASURES AS SOON AS PRACTICAL AFTER ESTABLISHMENT OF UNIFORM GRASS GROWTH OR INSTALLATION OF OTHER PERMANENT STABILIZATION MEASURES. REPAIR ANY DAMAGE TO STABILIZED SURFACES AFTER REMOVAL OF TESC MEASURES.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C120: TEMPORARY/PERMANENT SEEDING & PLANTING

BMP C140: DUST CONTROL

BMP C150: MATERIALS ON HAND

ELEMENT #6: PROTECT SLOPES

1. DESIGN, CONSTRUCT, AND PHASE CUT AND FILL SLOPES IN A MANNER THAT WILL MINIMIZE EROSION. APPLICABLE MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, REDUCING CONTINUOUS LENGTH OF SLOPE WITH TERRACING AND DIVERSIONS, REDUCING SLOPE STEEPNESS, AND ROUGHENING SLOPE SURFACES (e.g., TRACK WALKING).
2. OFF-SITE STORMWATER RUN-OFF OR GROUNDWATER SHALL BE DIVERTED AWAY FROM SLOPES AND DISTURBED AREAS WITH INTERCEPT DIKES, PIPES, AND/OR SWALES. OFF-SITE STORMWATER SHOULD BE MANAGED SEPARATELY FROM STORMWATER GENERATED ON THE SITE.
3. DO NOT CLEAR AND GRUB SLOPES GREATER THAN 4 (HORIZONTAL):1 (VERTICAL) UNLESS FURTHER WORK RESULTING IN STABILIZATION OF THE SLOPES TO BE CLEARED AND GRUBBED IS SCHEDULED.
4. EXCAVATED MATERIAL SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES, CONSISTENT WITH SAFETY AND SPACE CONSIDERATIONS.
5. CHECK DAMS SHALL BE PLACED AT REGULAR INTERVALS WITHIN CONSTRUCTED CHANNELS THAT ARE CUT DOWN A SLOPE.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C120: TEMPORARY & PERMANENT SEEDING

BMP C150: MATERIALS ON HAND

BMP C207: CHECK DAMS

ELEMENT #7: PROTECT DRAIN INLETS

1. ALL STORM DRAIN INLETS OPERABLE DURING CONSTRUCTION AND ALL INLETS WITHIN 200' DOWNSTREAM OF THE PROJECT SITE SHALL BE PROTECTED WITH CATCH BASIN FILTERS SO THAT STORMWATER THAT DOES NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR TREATED TO REMOVE SEDIMENT. CATCH BASIN FILTERS IN THE ROADWAY WILL BE OIL/SEDIMENT FILTERS AND CATCH BASIN FILTERS OUTSIDE OF THE ROADWAY WILL BE SEDIMENT FILTERS.
2. APPROACH ROADS SHALL BE KEPT CLEAN. SEDIMENT AND STREET WASH WATER SHALL NOT BE ALLOWED TO ENTER STORM DRAINS WITHOUT PRIOR AND ADEQUATE TREATMENT.
3. INLET PROTECTION DEVICES SHALL BE CLEANED OR REMOVED AND REPLACED WHEN SEDIMENT HAS FILLED ONE-THIRD OF THE AVAILABLE STORAGE (OR WHEN FILLED WITH SIX-INCHES OF SEDIMENT).

ELEMENT #8: STABILIZE CHANNELS AND OUTLETS

1. ALL TEMPORARY ON-SITE CONVEYANCE CHANNELS SHALL BE DESIGNED, CONSTRUCTED AND STABILIZED TO PREVENT EROSION FROM THE EXPECTED PEAK 10 MINUTE VELOCITY OF FLOW FROM A TYPE I, 10-YR, 1-HR FLOW RATE FOR THE DEVELOPED CONDITION.
2. ALTERNATIVELY, THE 10-YR, 1-HR FLOW RATE INDICATED BY AN APPROVED CONTINUOUS RUNOFF MODEL, INCREASED BY A FACTOR OF 1.6, MAY BE USED.
3. STABILIZATION, INCLUDING ARMORING MATERIAL, ADEQUATE TO PREVENT EROSION OF OUTLETS, ADJACENT STREAM BANKS, SLOPES, AND DOWNSTREAM REACHES SHALL BE PROVIDED AT THE OUTLETS OF ALL CONVEYANCE SYSTEMS.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C150: MATERIALS ON HAND

BMP C207: CHECK DAMS

ELEMENT #9: CONTROL POLLUTANTS

1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON-SITE 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 OTHER MATERIALS THAT HAVE THE POTENTIAL TO POSE A THREAT TO HUMAN HEALTH OR THE ENVIRONMENT. ON-SITE FUELING TANKS SHALL INCLUDE SECONDARY CONTAINMENT.
3. MAINTENANCE, FUELING, AND REPAIR OF HEAVY EQUIPMENT AND VEHICLES SHALL BE CONDUCTED USING SPILL PREVENTION AND CONTROL MEASURES. CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY SPILL INCIDENT.
4. WHEEL WASH OR TIRE BATH WASTEWATER SHALL BE DISCHARGED TO A SEPARATE ON-SITE TREATMENT SYSTEM OR TO THE SANITARY SEWER WITH LOCAL SEWER DISTRICT APPROVAL.
5. APPLICATION OF FERTILIZERS AND PESTICIDES SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' LABEL REQUIREMENTS FOR APPLICATION RATES AND PROCEDURES SHALL BE FOLLOWED.
6. BMPs 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. PERMITTEES SHALL ADJUST THE PH OF STORMWATER IF NECESSARY TO PREVENT VIOLATIONS OF WATER QUALITY STANDARDS.
7. PERMITTEES SHALL OBTAIN WRITTEN APPROVAL FROM ECOLOGY PRIOR TO USING CHEMICAL TREATMENT, OTHER THAN CARBON DIOXIDE OR DRY ICE TO ADJUST PH.

SUGGESTED BMPs/BMPs TO BE USED:

BMP C151: CONCRETE HANDLING

BMP C152: SAWCUTTING AND SURFACING POLLUTION PREVENTION

BMP C153: MATERIAL DELIVERY, STORAGE & CONTAINMENT

ELEMENT #10: CONTROL DEWATERING

1. FOUNDATION, VAULT, AND TRENCH DE-WATERING WATER, WHICH HAVE SIMILAR CHARACTERISTICS TO STORMWATER RUNOFF AT THE SITE, SHALL BE DISCHARGED INTO A CONTROLLED CONVEYANCE SYSTEM PRIOR TO DISCHARGE TO A SEDIMENT TRAP OR SEDIMENT POND.
2. CLEAN, NON-TURBID DE-WATERING WATER, SUCH AS WELL-POINT GROUND WATER, CAN BE DISCHARGED TO SYSTEMS TRIBUTARY TO, OR DIRECTLY INTO SURFACE WATERS OF THE STATE, AS SPECIFIED IN ELEMENT #8, PROVIDED THE DE-WATERING FLOW DOES NOT CAUSE EROSION OR FLOODING OF RECEIVING WATERS. CLEAN DE-WATERING WATER SHOULD NOT BE ROUTED THROUGH STORMWATER SEDIMENT PONS.
3. OTHER DE-WATERING DISPOSAL OPTIONS MAY INCLUDE:
a) INFILTRATION
b) TRANSPORT OFF SITE IN A VEHICLE, SUCH AS A VACUUM FLUSH TRUCK, FOR LEGAL DISPOSAL IN A MANNER THAT DOES NOT POLLUTE STATE WATERS.
c) ECOLOGY APPROVED ON-SITE CHEMICAL TREATMENT OR OTHER SUITABLE TREATMENT TECHNOLOGIES.
d) SANITARY SEWER DISCHARGE WITH LOCAL SEWER DISTRICT APPROVAL, IF THERE IS NO OTHER OPTION.
e) USE OF A SEDIMENTATION BAG (DIRTBAG OR APPROVED EQUAL) WITH OUTFALL TO A DITCH OR SWALE FOR SMALL VOLUMES OF LOCALIZED DE-WATERING.
4. HIGHLY TURBID CONTAMINATED DEWATERING WATER FROM CONSTRUCTION EQUIPMENT OPERATION, CLAIMSHELL DIGGING, CONCRETE TRENCHING, OR WORK INSIDE A COFFERDAM SHALL BE HANDLED SEPARATELY FROM STORMWATER.

ELEMENT #11: MAINTAIN BMPs

1. INSPECT EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. MAKE NECESSARY REPAIRS AND MAINTENANCE TO ENSURE CONTINUED PERFORMANCE OF EROSION AND SEDIMENT CONTROLS.
2. WHEN SEDIMENT ACCUMULATION IN SEDIMENTATION STRUCTURES, OTHER THAN INLET PROTECTION DEVICES, HAS REACHED A POINT ONE-THIRD DEPTH OF SEDIMENT STRUCTURE OR DEVICE, OR IF FLOW THROUGH THE DEVICE IS REDUCED BY MORE THAN ONE-THIRD CAPACITY, THE CONTRACTOR SHALL REMOVE AND REPLACE DISPOSABLE DEVICES OR CLEAN AND DISPOSE OF SEDIMENT.
3. TEMPORARY EROSION AND SEDIMENT CONTROL BMPs SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOILS SHALL BE PERMANENTLY STABILIZED.

ELEMENT #12: MANAGE THE PROJECT

1. PHASING OF CONSTRUCTION:
a) DEVELOPMENT PROJECTS SHALL BE PHASED WHERE FEASIBLE IN ORDER TO PREVENT, TO THE MAXIMUM EXTENT PRACTICABLE, THE TRANSPORT OF SEDIMENT FROM THE DEVELOPMENT SITE DURING CONSTRUCTION. REVEGETATION OF EXPOSED AREAS AND MAINTENANCE OF THAT VEGETATION SHALL BE AN INTEGRAL PART OF THE CLEARING ACTIVITIES FOR ANY PHASE.
b) CLEARING AND GRADING ACTIVITIES FOR DEVELOPMENTS SHALL BE PERMITTED ONLY IF CONDUCTED PURSUANT TO AN APPROVED SITE DEVELOPMENT PLAN (e.g., SUBDIVISION APPROVAL) THAT ESTABLISHES APPROVED AREAS OF CLEARING, GRADING, CUTTING AND FILLING. WHEN ESTABLISHING THESE PERMITTED CLEARING AND GRADING AREAS, CONSIDERATION SHOULD BE GIVEN TO MINIMIZING REMOVAL OF EXISTING TREES AND MINIMIZING DISTURBANCE AND COMPACTION OF NATIVE SOILS EXCEPT AS NEEDED FOR BUILDING PURPOSES. THESE PERMITTED CLEARING AND GRADING AREAS AND ANY OTHER AREAS REQUIRED TO PRESERVE CRITICAL OR SENSITIVE AREAS, BUFFERS, NATIVE GROWTH PROTECTION EASEMENTS, OR TREE RETENTION AREAS AS MAY BE REQUIRED BY LOCAL JURISDICTIONS, SHALL BE DELINEATED ON THE SITE PLANS AND THE DEVELOPMENT SITE.
2. SEASONAL WORK LIMITATIONS:
FROM OCTOBER 1 THROUGH APRIL 30, CLEARING, GRADING, AND OTHER SOIL DISTURBING ACTIVITIES SHALL ONLY BE PERMITTED IF SHOWN TO THE SATISFACTION OF THE LOCAL PERMITTING AUTHORITY THAT THE TRANSPORT OF SEDIMENT FROM THE CONSTRUCTION SITE TO RECEIVING WATERS WILL BE PREVENTED THROUGH A COMBINATION OF THE FOLLOWING:
a) SITE CONDITIONS INCLUDING EXISTING VEGETATIVE COVERAGE, SLOPE, SOIL TYPE, AND PROXIMITY TO RECEIVING WATERS; AND
b) LIMITATIONS ON ACTIVITIES AND THE EXTENT OF DISTURBED AREAS; AND
c) PROPOSED EROSION AND SEDIMENT CONTROL MEASURES.

BASED ON THE INFORMATION PROVIDED AND LOCAL WEATHER CONDITIONS, THE PROJECT LEAD MAY EXPAND OR RESTRICT THE SEASONAL LIMITATION ON SITE DISTURBANCE. THE PROJECT LEAD SHALL TAKE ENFORCEMENT ACTION - SUCH AS NOTICE OF VIOLATION, ADMINISTRATIVE ORDER, PENALTY, OR STOP-WORK ORDER UNDER THE FOLLOWING CIRCUMSTANCES:
- IF, DURING THE COURSE OF ANY CONSTRUCTION ACTIVITY OR SOIL DISTURBANCE DURING THE SEASONAL LIMITATION PERIOD, SEDIMENT LEAVES THE CONSTRUCTION SITE CAUSING A VIOLATION OF THE SURFACE WATER QUALITY STANDARD, OR
- IF CLEARING AND GRADING LIMITS OR EROSION AND SEDIMENT CONTROLS MEASURES SHOWN IN THE APPROVED PLAN ARE NOT MAINTAINED.

THE FOLLOWING ACTIVITIES ARE EXEMPT FROM THE SEASONAL CLEARING AND GRADING LIMITATIONS:

- ROUTINE MAINTENANCE AND NECESSARY REPAIR OF EROSION AND SEDIMENT CONTROL BMPs;
- ROUTINE MAINTENANCE OF PUBLIC FACILITIES OR EXISTING UTILITY STRUCTURES THAT DO NOT EXPOSE THE SOIL OR RESULT IN THE REMOVAL OF THE VEGETATIVE COVER TO SOIL; AND
- ACTIVITIES WHERE THERE IS ONE HUNDRED PERCENT INFILTRATION OF SURFACE WATER RUNOFF WITHIN THE SITE IN APPROVED AND INSTALLED EROSION AND SEDIMENT CONTROL FACILITIES.

3. COORDINATE WITH UTILITIES AND OTHER CONTRACTORS
THE PRIMARY PROJECT PROPONENT SHALL EVALUATE, WITH INPUT FROM UTILITIES AND OTHER CONTRACTORS, THE STORMWATER MANAGEMENT REQUIREMENTS FOR THE ENTIRE PROJECT, INCLUDING THE UTILITIES, WHEN PREPARING THE CONSTRUCTION SWPPP.
4. INSPECTION AND MONITORING:
a) A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL SHALL BE IDENTIFIED AT THE PRE-CONSTRUCTION MEETING AND SHALL BE ON-SITE OR ON-CALL AT ALL TIMES. EMERGENCY CONTACT INFORMATION SHALL BE KEPT ON-SITE. CERTIFICATION MAY BE THROUGH THE CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL CERTIFICATION PROGRAM OFFERED BY WSDOT, ASSOCIATED GENERAL CONTRACTORS OF WASHINGTON - EDUCATION FOUNDATION, OR AN EQUIVALENT LOCAL OR NATIONAL CERTIFICATION AND/OR TRAINING PROGRAM.
b) IF INSPECTION AND/OR WATER MONITORING OF SITE RUNOFF REVEALS THAT THE BMPs IDENTIFIED IN THE CONSTRUCTION SWPPP ARE INADEQUATE, THE CONTRACTOR SHALL IMMEDIATELY ADD BMPs TO THE SWPPP AS NECESSARY.

4. THE CONSTRUCTION SWPPP SHALL BE RETAINED ON-SITE. THE CONTRACTOR'S TESC RECORD OF RAINFALL, TESC MEASURES, AND INSPECTION SHALL BECOME PART OF THE SWPPP. THE CONSTRUCTION SWPPP SHALL BE MODIFIED BY THE CONTRACTOR'S TESC RECORD WHENEVER THERE IS A SIGNIFICANT CHANGE IN THE DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF ANY BMP.

ELEMENT #13: PROJECT ON-SITE STORMWATER MANAGEMENT BMPs FOR RUNOFF FROM ROOFS AND OTHER HARD SURFACES

1. AREAS WHICH UTILIZE STORMWATER MANAGEMENT BMPs SHALL BE PROTECTED FROM SILTATION FROM COMPACTION DURING THE CONSTRUCTION PROCESS.

NPDES PERMIT REQUIREMENTS

SITE LOG BOOK

A SITE LOG BOOK SHALL CONTAIN A RECORD OF THE IMPLEMENTATION OF THE SWPPP AND OTHER PERMIT REQUIREMENTS INCLUDING THE INSTALLATION AND MAINTENANCE OF BMPs, SITE INSPECTIONS AND STORMWATER MONITORING.

SITE INSPECTIONS

SITE INSPECTIONS SHALL INCLUDE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, ALL BMPs, AND ALL STORMWATER DISCHARGE POINTS. STORMWATER SHALL BE VISUALLY EXAMINED FOR THE PRESENCE OF SUSPENDED SEDIMENT, TURBIDITY, DISCOLORATION, AND OIL SHEEN. INSPECTORS SHALL EVALUATE THE EFFECTIVENESS OF BMPs AND DETERMINE IF IT IS NECESSARY TO INSTALL, MAINTAIN, OR REPAIR BMPs TO IMPROVE THE QUALITY OF STORMWATER DISCHARGES.

BASED ON THE RESULTS OF THE INSPECTION, THE CONTRACTOR SHALL CORRECT THE PROBLEMS IDENTIFIED AS FOLLOWS:

- MAKE APPROPRIATE CORRECTION WITHIN 7 DAYS OF THE INSPECTION; AND
- FULLY IMPLEMENT AND MAINTAIN APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPs AS SOON AS POSSIBLE, BUT NO LATER THAN 10 DAYS OF THE INSPECTION; AND
- DOCUMENT BMP IMPLEMENTATION AND MAINTENANCE IN THE SITE LOG BOOK.

SITE INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY CALENDAR WEEK AND WITHIN 24 HOURS OF ANY DISCHARGE FROM THE SITE. THE INSPECTION FREQUENCY FOR TEMPORARILY STABILIZED, INACTIVE SITE MAY BE REDUCED TO ONCE EVERY CALENDAR MONTH.

THE INSPECTOR SHALL SUMMARIZE THE RESULTS OF EACH INSPECTION IN AN INSPECTION REPORT OR CHECKLIST AND BE ENTERED INTO, OR ATTACHED TO, THE SITE LOG BOOK. AT A MINIMUM, EACH INSPECTION REPORT OR CHECKLIST SHALL INCLUDE:

- INSPECTION DATE AND TIME.
- WEATHER INFORMATION, GENERAL CONDITIONS DURING INSPECTION AND APPROXIMATE AMOUNT OF PREVIOUS RAINFALL SINCE LAST INSPECTION, AND WITHIN THE LAST 24 HOURS.
- A SUMMARY OR LIST OF ALL BMPs WHICH HAVE BEEN IMPLEMENTED, INCLUDING OBSERVATIONS OF ALL EROSION/SEDIMENT CONTROL STRUCTURES OR PRACTICES.
- THE FOLLOWING SHALL BE NOTED:
i. LOCATIONS OF BMPs INSPECTED,
ii. LOCATIONS OF BMPs THAT NEED MAINTENANCE,
iii. THE REASON MAINTENANCE IS NEEDED,
iv. LOCATIONS OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR INTENDED, AND
v. LOCATIONS WHERE ADDITIONAL OR DIFFERENT BMPs ARE NEEDED, AND THE REASON(S) WHY.
- A DESCRIPTION OF STORMWATER DISCHARGED FROM THE SITE. THE INSPECTOR SHALL NOTE THE PRESENCE OF SUSPENDED SEDIMENT, TURBID WATER, DISCOLORATION, AND/OR OIL SHEEN, AS APPLICABLE.
- ANY WATER QUALITY MONITORING PERFORMED DURING INSPECTION.
- GENERAL COMMENTS AND NOTES, INCLUDING A BRIEF DESCRIPTION OF ANY BMP REPAIRS, MAINTENANCE OR INSTALLATION MADE AS A RESULT OF THE INSPECTION.
- NAME, TITLE, AND SIGNATURE OF THE PERSON CONDUCTING THE INSPECTION; AND THE FOLLOWING STATEMENT: "I CERTIFY THAT THIS REPORT IS TRUE, ACCURATE, AND COMPLETE, TO THE BEST OF MY KNOWLEDGE AND BELIEF."

TURBIDITY/TRANSPARENCY SAMPLING REQUIREMENTS

NOTE: ALL SECTIONS REFERENCED IN THE SAMPLING REQUIREMENTS CAN BE LOCATED IN THE NPDES PERMIT.

1. SAMPLING METHODS/EFFECTIVE DATES
a. BEGINNING OCTOBER 1, 2008, IF CONSTRUCTION ACTIVITY WILL INVOLVE THE DISTURBANCE OF 1 ACRES OR MORE, THE PERMITTEE SHALL CONDUCT TURBIDITY SAMPLING PER CONDITION S4.C.
2. SAMPLING FREQUENCY
a. SAMPLING SHALL BE CONDUCTED AT LEAST ONCE EVERY CALENDAR WEEK AND WHEN THERE IS A DISCHARGE OF STORMWATER (OR AUTHORIZED NON-STORMWATER) FROM THE SITE. SAMPLES SHALL BE REPRESENTATIVE OF THE FLOW AND CHARACTERISTICS OF THE DISCHARGE.
b. WHEN THERE IS NO DISCHARGE DURING A CALENDAR WEEK, SAMPLING IS NOT REQUIRED.
c. SAMPLING IS NOT REQUIRED OUTSIDE OF NORMAL WORKING HOURS OR DURING UNSAFE CONDITIONS. IF A PERMITTEE IS UNABLE TO SAMPLE DURING A MONITORING PERIOD, THE DISCHARGE MONITORING REPORT (DMR) SHALL INCLUDE A BRIEF EXPLANATION.
3. SAMPLING LOCATIONS
a. SAMPLING SHALL BE REQUIRED AT ALL DISCHARGE POINTS WHERE STORMWATER (OR AUTHORIZED NON-STORMWATER) IS DISCHARGED OFF-SITE.
b. ALL SAMPLING POINT(S) SHALL BE IDENTIFIED ON THE SWPPP SITE MAP AND BE CLEARLY MARKED IN THE FIELD WITH A FLAG, TAPE, STAKE OR OTHER VISIBLE MARKER.
4. SAMPLING AND ANALYSIS METHODS
a. TURBIDITY ANALYSIS SHALL BE PERFORMED WITH A CALIBRATED TURBIDITY METER (TURBIDIMETER), EITHER ON-SITE OR AT AN ACCREDITED LAB. THE RESULTS SHALL BE RECORDED IN THE SITE LOG BOOK IN NEPHELOMETRIC TURBIDITY UNITS (NTU).
b. TRANSPARENCY ANALYSIS SHALL BE PERFORMED ON-SITE WITH A 1 1/2" INCH DIAMETER, 60 CENTIMETER (CM) LONG TRANSPARENCY TUBE. THE RESULTS SHALL BE RECORDED IN THE SITE LOG BOOK IN CENTIMETERS (CM). TRANSPARENCY TUBES ARE AVAILABLE FROM: <http://watermonitoringpage.com/pages/stream.html>

PARAMETER	UNITS	ANALYTICAL METHOD	SAMPLING FREQUENCY	BENCHMARK VALUE
TURBIDITY	NTU	SM2130 or EPA 180.1	WEEKLY, IF DISCHARGING	25 NTU
TRANSPARENCY	CM	MANUFACTURER INSTRUCTIONS, OR ECOLOGY GUIDANCE	WEEKLY, IF DISCHARGING	31 CM

5. TURBIDITY/TRANSPARENCY BENCHMARK VALUES
THE BENCHMARK VALUE FOR TURBIDITY IS 25 NTU (NEPHELOMETRIC TURBIDITY UNITS); AND THE BENCHMARK VALUE FOR TRANSPARENCY IS 31 CM.
a. TURBIDITY 25 - 249 NTU, OR TRANSPARENCY 30-7 CM:
IF DISCHARGE TURBIDITY IS GREATER THAN 25 NTU, BUT LESS THAN 250 NTU; OR IF DISCHARGE TRANSPARENCY IS LESS THAN 31 CM, BUT GREATER THAN 8 CM, THE CESCL SHALL:
i. REVIEW THE SWPPP FOR COMPLIANCE WITH CONDITION S9 AND MAKE APPROPRIATE REVISIONS WITHIN 7 DAYS OF THE DISCHARGE THAT EXCEEDED THE BENCHMARK; AND
ii. FULLY IMPLEMENT AND MAINTAIN APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPs AS SOON AS POSSIBLE, BUT WITHIN 10 DAYS OF THE DISCHARGE THAT EXCEEDED THE BENCHMARK; AND
iii. DOCUMENT BMP IMPLEMENTATION AND MAINTENANCE IN THE SITE LOG BOOK.
- b. TURBIDITY 250 NTU OR GREATER, OR TRANSPARENCY 8 CM OR LESS:
IF DISCHARGE IS GREATER THAN OR EQUAL TO 250 NTU; OR IF DISCHARGE TRANSPARENCY IS LESS THAN OR EQUAL TO 8 CM, THE CESCL SHALL:
i. NOTIFY ECOLOGY BY PHONE IN ACCORDANCE WITH CONDITION S5.A; AND
ii. REVIEW THE SWPPP FOR COMPLIANCE WITH CONDITION S9 AND MAKE APPROPRIATE REVISIONS WITHIN 7 DAYS OF THE DISCHARGE THAT EXCEEDED THE BENCHMARK; AND
iii. FULLY IMPLEMENT AND MAINTAIN APPROPRIATE SOURCE CONTROL AND/OR TREATMENT BMPs AS SOON AS POSSIBLE, BUT WITHIN 10 DAYS OF DISCHARGE THAT EXCEEDED THE BENCHMARK; AND
iv. DOCUMENT BMP IMPLEMENTATION AND MAINTENANCE IN THE SITE LOG BOOK; AND
v. CONTINUE TO SAMPLE DISCHARGES DAILY UNTIL:
1. TURBIDITY IS 25 NTU (OR LOWER); OR
2. TRANSPARENCY IS 31 CM (OR GREATER); OR
3. THE CESCL HAS DEMONSTRATED COMPLIANCE WITH THE WATER QUALITY STANDARD FOR TURBIDITY;
a. NO MORE THAN 5 NTU OVER BACKGROUND TURBIDITY, IF BACKGROUND IS LESS THAN 50 NTU, OR
b. NO MORE THAN 10% OVER BACKGROUND TURBIDITY, IF BACKGROUND IS 50 NTU OR GREATER.
4. THE DISCHARGE STOPS OR IS ELIMINATED.

EROSION CONTROL MONITORING PLAN

1. OBSERVE EROSION CONTROL MEASURES AT THE BEGINNING AND END OF EACH DAY. REPAIR AND OR REPLACE AS NECESSARY TO ASSURE PROPER FUNCTION.
2. OBSERVE COLLECTION FACILITIES DURING PERIODS OF HEAVY RAINFALL AND WET WEATHER CONDITIONS.
3. OBSERVE AND MONITOR STABILIZATION TECHNIQUES UNTIL WORK AREA IS STABILIZED. MAKE REPAIRS AND/OR ALTERATIONS AS NECESSARY TO PREVENT EROSION.

EROSION CONTROL BEST MANAGEMENT PRACTICES

THE LOCATION AND TYPE OF PROPOSED MEASURES FOR TEMPORARY EROSION CONTROL SHALL BE AS FOLLOWS:

MULCH AND HYDROSEED - ALL EXPOSED SOIL UPON ATTAINMENT OF FINISH GRADE

WET WEATHER GRADING AND T.E.S.C.P. NOTES

1. FROM OCTOBER 1 TO APRIL 30, NO DENUDED SOIL AREAS AND SOIL STOCKPILES MAY REMAIN EXPOSED FOR MORE THAN 2 DAYS.
2. BETWEEN OCTOBER 1 TO MARCH 31, NO MORE THAN 500 FEET OF CONTINUOUS TRENCH MAY REMAIN OPEN AT ONE TIME UNLESS CHECK DAMS TO REDUCE FLOW VELOCITIES AND PREVENT EROSION ARE INSTALLED IN ACCORDANCE WITH THE SNOHOMISH COUNTY EDDS.
3. FROM OCTOBER 1 TO MARCH 31, GRADING REQUIRING A PERMIT SHALL ONLY BE PERMITTED IF SHOWN TO THE SATISFACTION OF THE DIRECTOR THAT EROSION CONTROL MEASURES WILL LIKELY PREVENT SIGNIFICANT EROSION AND DISCHARGE TO CRITICAL AREAS.

BMP T5.13: POST-CONSTRUCTION SOIL QUALITY DEPTH NOTES

IMPLEMENTATION OPTIONS:
THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW.
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND DISTURBED SOIL ACCORDING TO THE FOLLOWING PROCEDURES:
A. SCARIFY SUBSOIL TO A DEPTH OF ONE FOOT.
B. IN PLANTING BEDS, PLACE THREE INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
C. IN TURF AREAS, PLACE TWO INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
D. APPLY TWO TO FOUR INCHES OF ARBORIST WOOD CHIP, COARSE BARK MULCH, OR COMPOST MULCH TO PLANTING BEDS AFTER FINAL PLANTING.

ALTERNATIVELY, DISTURBED SOIL CAN BE AMENDED ON A SITE-CUSTOMIZED MANNER SO THAT IT MEETS THE SOIL QUALITY CRITERIA SET FORTH ABOVE, AS DETERMINED BY A LICENSED ENGINEER, GEOLOGIST, LANDSCAPE ARCHITECT, OR OTHER PERSON AS APPROVED BY SNOHOMISH COUNTY.
3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS BY FOLLOWING THE PROCEDURES IN METHOD (2) ABOVE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

BEST MANAGEMENT PRACTICE SCHEDULE

1. SCHEDULE AND ATTEND PRE-CONSTRUCTION CONFERENCE.
2. FIELD STAKE AND FLAG WORK LIMITS.
3. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs PER DEPARTMENT OF ECOLOGY RECOMMENDATIONS WHERE APPLICABLE.
4. INSTALL WATER MAIN EXTENSION PER PLAN. MAINTAIN TESC BMPs DURING CONSTRUCTION TO PREVENT SEDIMENTATION OF STORM CHANNELS DOWNSTREAM OF WORK LIMITS.
5. BACKFILL WATER MAIN TRENCHES AND REPAIR PAVEMENT PER TRENCH RESTORATION DETAIL.
6. MULCH AND PERMANENT SEED AREAS WITH EXPOSED SOILS.
7. REMOVE TEMPORARY EROSION CONTROL FACILITIES ONLY AFTER ENTIRE SITE IS STABILIZED AND THE POTENTIAL FOR EROSION HAS PASSED.

DAVID EVANS AND ASSOCIATES INC.
1620 W. Marine View Dr. Suite 200
Everett, Washington 98201
Phone: 425.259.4099

SNHOMISH COUNTY FD 21 WATER PLAN
SNHOMISH COUNTY FIRE DISTRICT 21 TESC PLAN
SECONDARY SHEET TITLE
ADDITIONAL SHEET INFORMATION
CITY OF ARLINGTON,

REVIEWED BY: REVIEW BY: NO DATE REVISION

DATE: DATE BY: CK

2/2/2021

37234

PROFESSIONAL ENGINEER

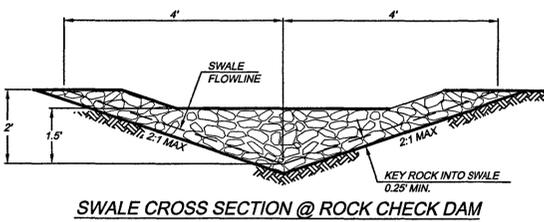
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DESIGNED BY: ADC
DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

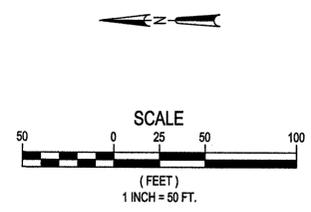
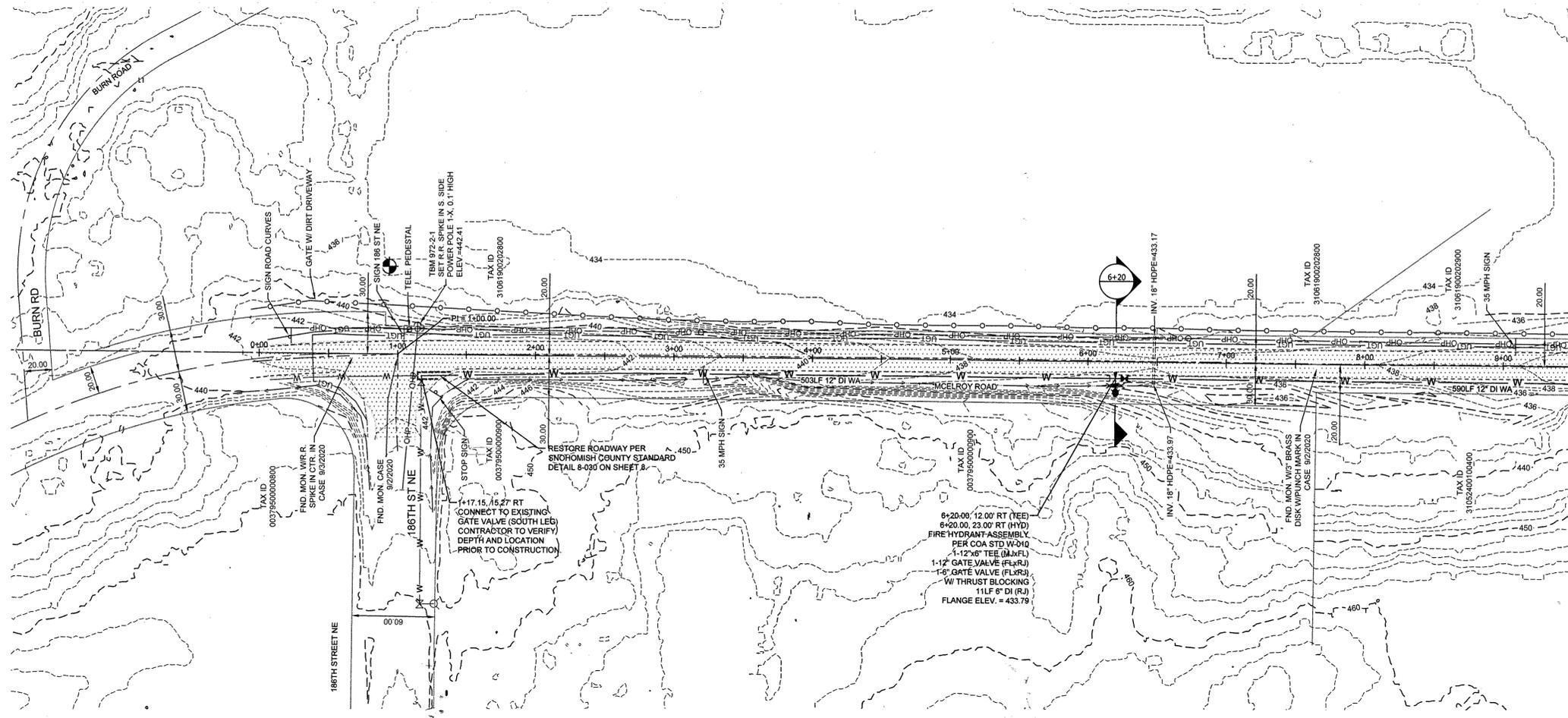
PROJECT NO.
TCAX0000028

SHEET NO. **3** OF **8**

3 OF **8**



A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.



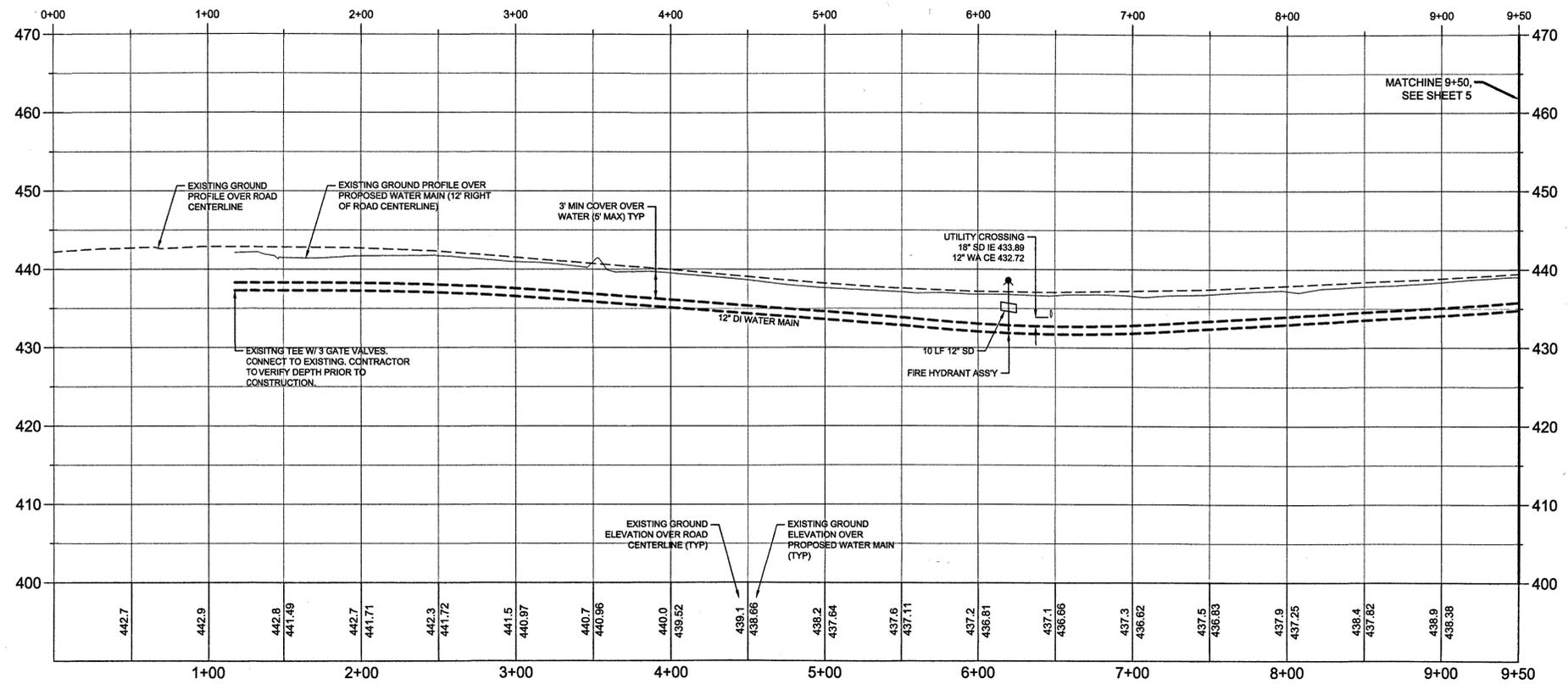
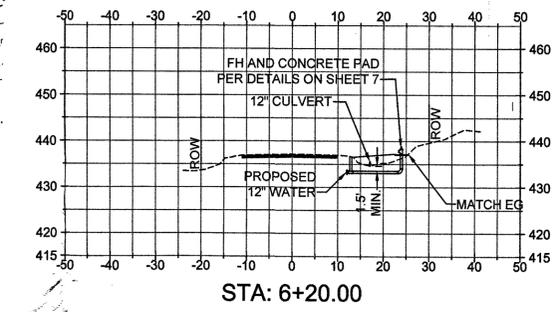
TESC NOTE

1. INSTALL CHECK DAMS PER DETAIL ON SHEET 3 ALONG EXISTING DITCH LINE WHERE ADJACENT TO PROPOSED WATER MAIN CONSTRUCTION

RESTORATION NOTE

1. ROADWAY AND ALL DISTURBED AREAS WITHIN SNOHOMISH COUNTY RIGHT-OF-WAY SHALL BE RESTORED PER SNOHOMISH COUNTY STANDARDS.

MATCHLINE 9+50, SEE SHEET 5



MCELROY ROAD
SCALE: 1"=50' HORIZ, 1"=10' VERT

City of Arlington
 Approved _____ Date 3/25/21
 By [Signature]
 No changes authorized unless approved by the Development Services Manager



CAUTION
 LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE AND MAY NOT BE ACCURATE OR ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY LOCATION OF UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. YOU MUST CALL 811 NOT LESS THAN 2 FULL BUSINESS DAYS BEFORE BEGINNING EXCAVATION WHERE ANY UNDERGROUND UTILITIES MAY BE LOCATED. FAILURE TO DO SO COULD MEAN BEARING SUBSTANTIAL REPAIR COSTS.

DAVID EVANS AND ASSOCIATES INC.
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SNOHOMISH COUNTY FD 21 WATER PLAN
SNOHOMISH COUNTY FIRE DISTRICT 21 WATER PLAN AND PROFILE
 CITY OF ARLINGTON, WA

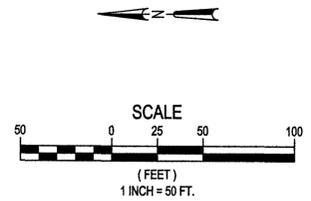
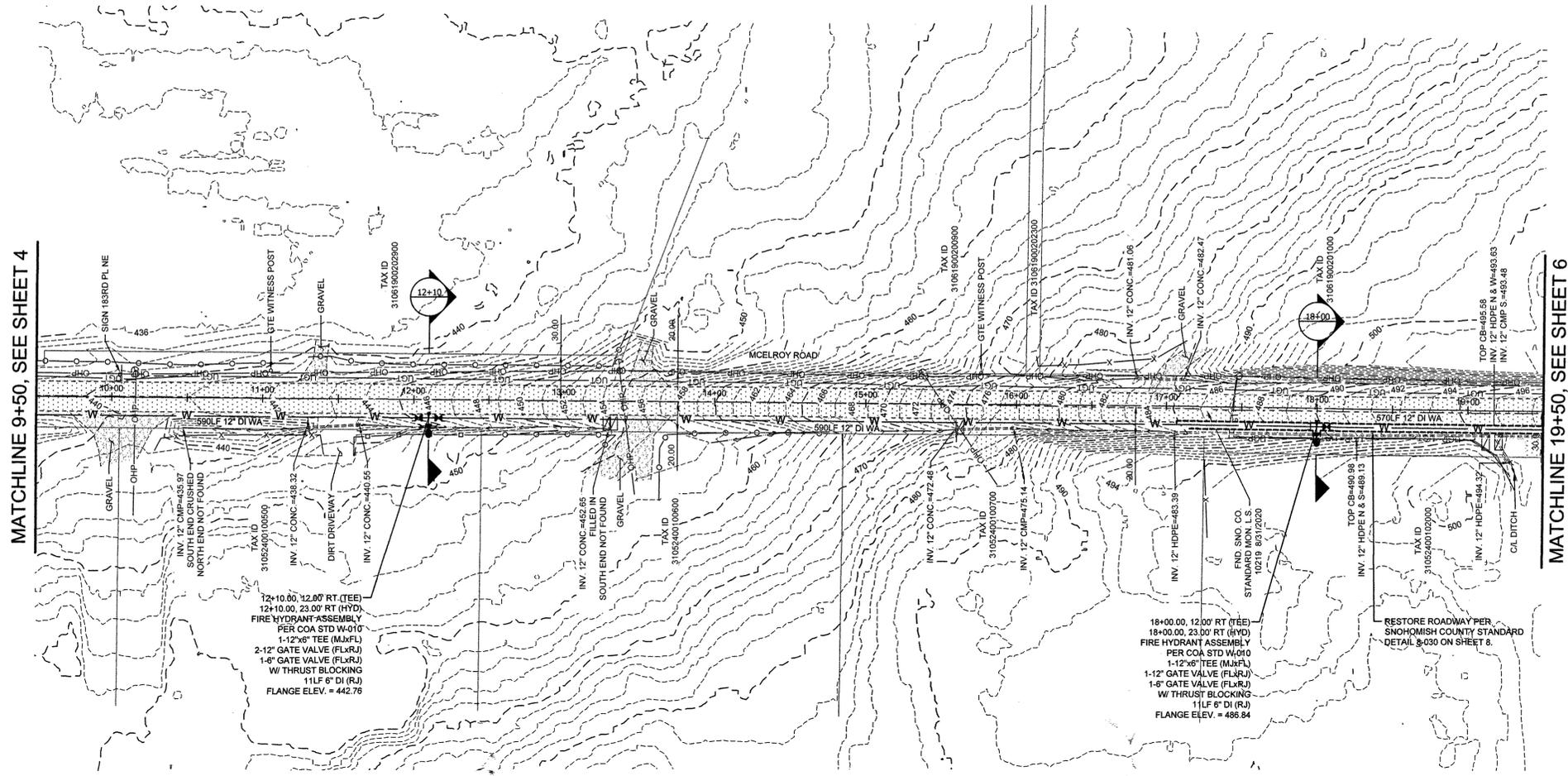
DATE	REVISION	BY



CHECKED BY: JNS
 DESIGNED BY: ADC
 DRAWN BY: KMP
 FIRST SUBMITTAL DATE: 11/5/20
 PROJECT NO: **TCAX00000028**
 SHEET NO: **4 OF 8**

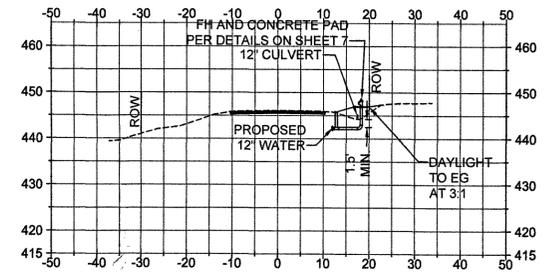
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 By: April Coleman
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A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.

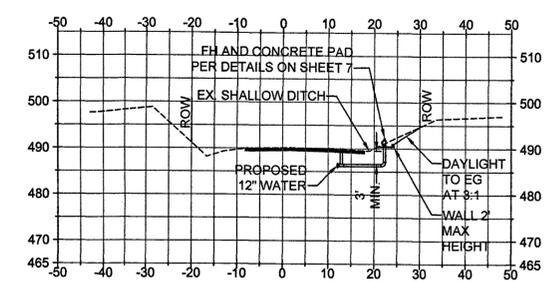


TESC NOTE
 1. INSTALL CHECK DAMS PER DETAIL ON SHEET 3 ALONG EXISTING DITCH LINE WHERE ADJACENT TO PROPOSED WATER MAIN CONSTRUCTION

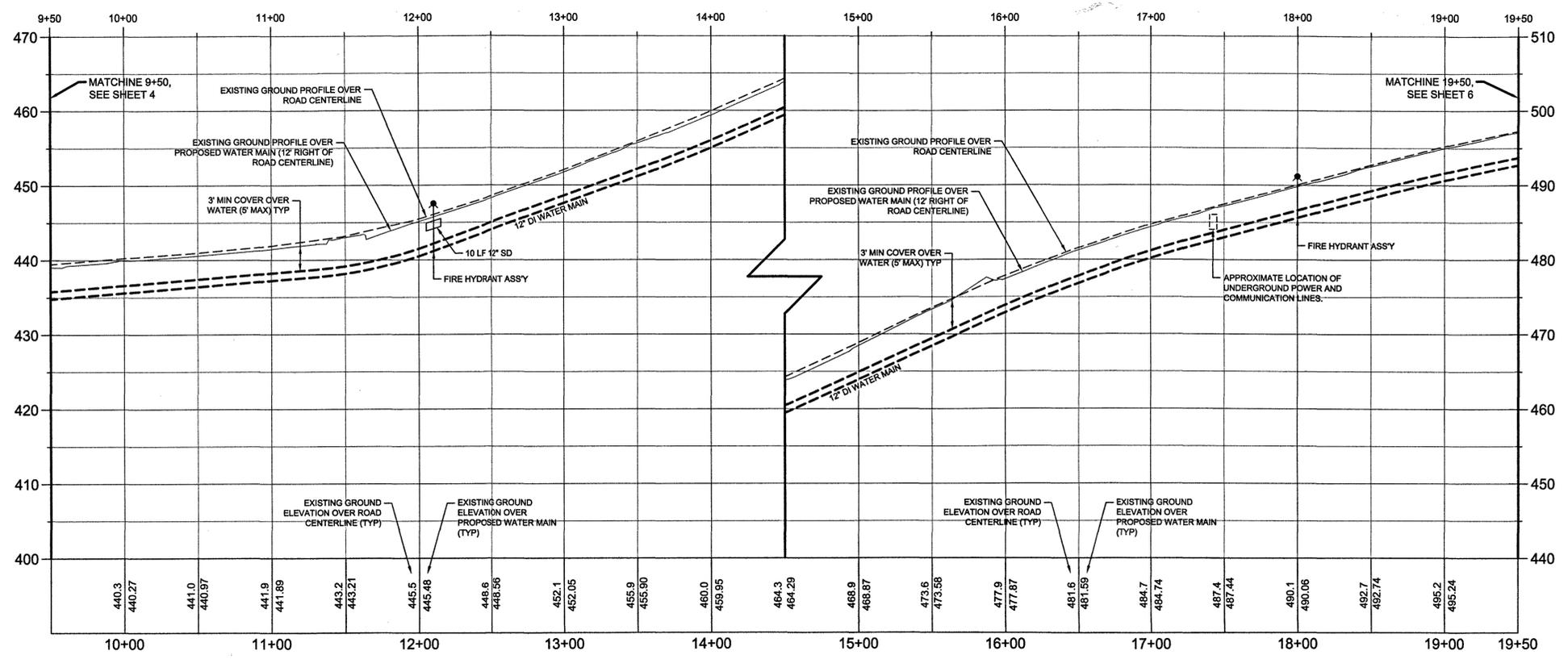
RESTORATION NOTE
 1. ROADWAY AND ALL DISTURBED AREAS WITHIN SNOHOMISH COUNTY RIGHT-OF-WAY SHALL BE RESTORED PER SNOHOMISH COUNTY STANDARDS.



STA: 12+10.00



STA: 18+00.00



MCELROY ROAD
 SCALE: 1"=50' HORIZ, 1"=10' VERT

MCELROY ROAD
 SCALE: 1"=50' HORIZ, 1"=10' VERT

City of Arlington
 Approved Denied with Conditions
 Date: 2/25/21
 By: [Signature]
 No changes authorized unless approved by the Development Services Manager

DAVID EVANS AND ASSOCIATES INC.
 1620 W. Marine View Dr. Suite 200
 Everett, Washington 98201
 Phone: 425.259.4099

SNOHOMISH COUNTY FD 21
 WATER PLAN
 SNOHOMISH COUNTY FIRE DISTRICT 21
 WATER PLAN AND PROFILE
 CITY OF ARLINGTON, WA

NO.	DATE	REVISION	REVIEWED BY	DATE	BY



CHECKED BY: JNS
 DESIGNED BY: ADC
 DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20
 PROJECT NO.
TCAX0000028

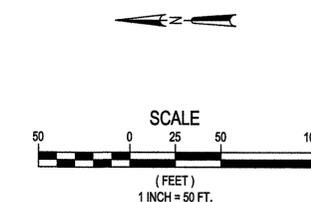
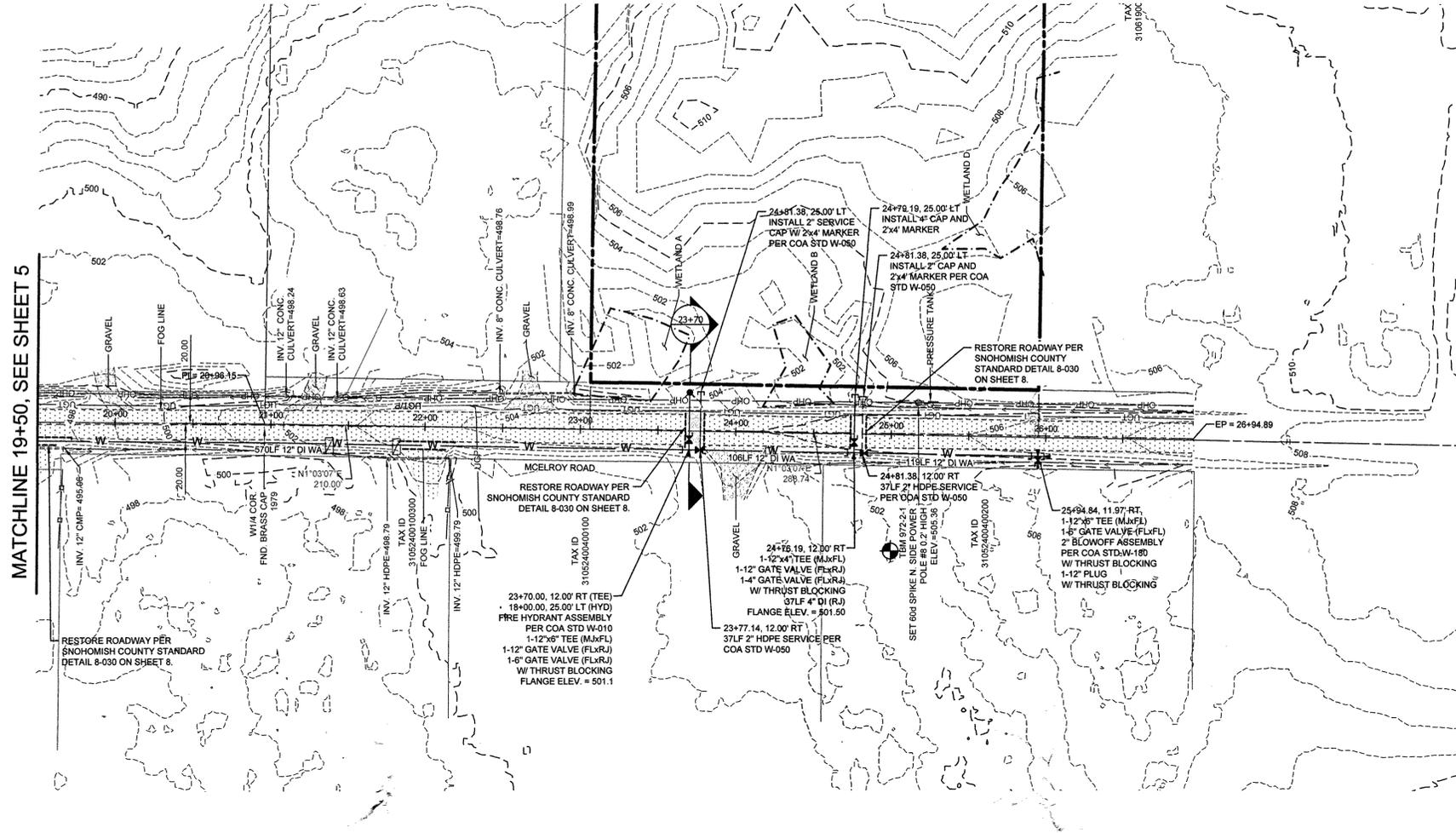
SHEET NO.
5 OF 8



CAUTION
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 Save Date: 1/8/2021 6:52 AM
 By: April Coleman
 File: P:\ITC\TCAX\0000028\0400\CAD\SHEET\Water - City of Arlington\EC-WA-TCAX-0028.dwg

A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.

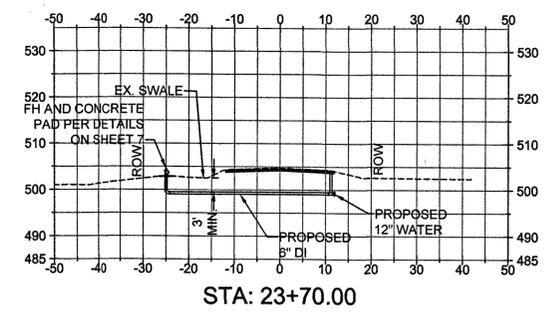
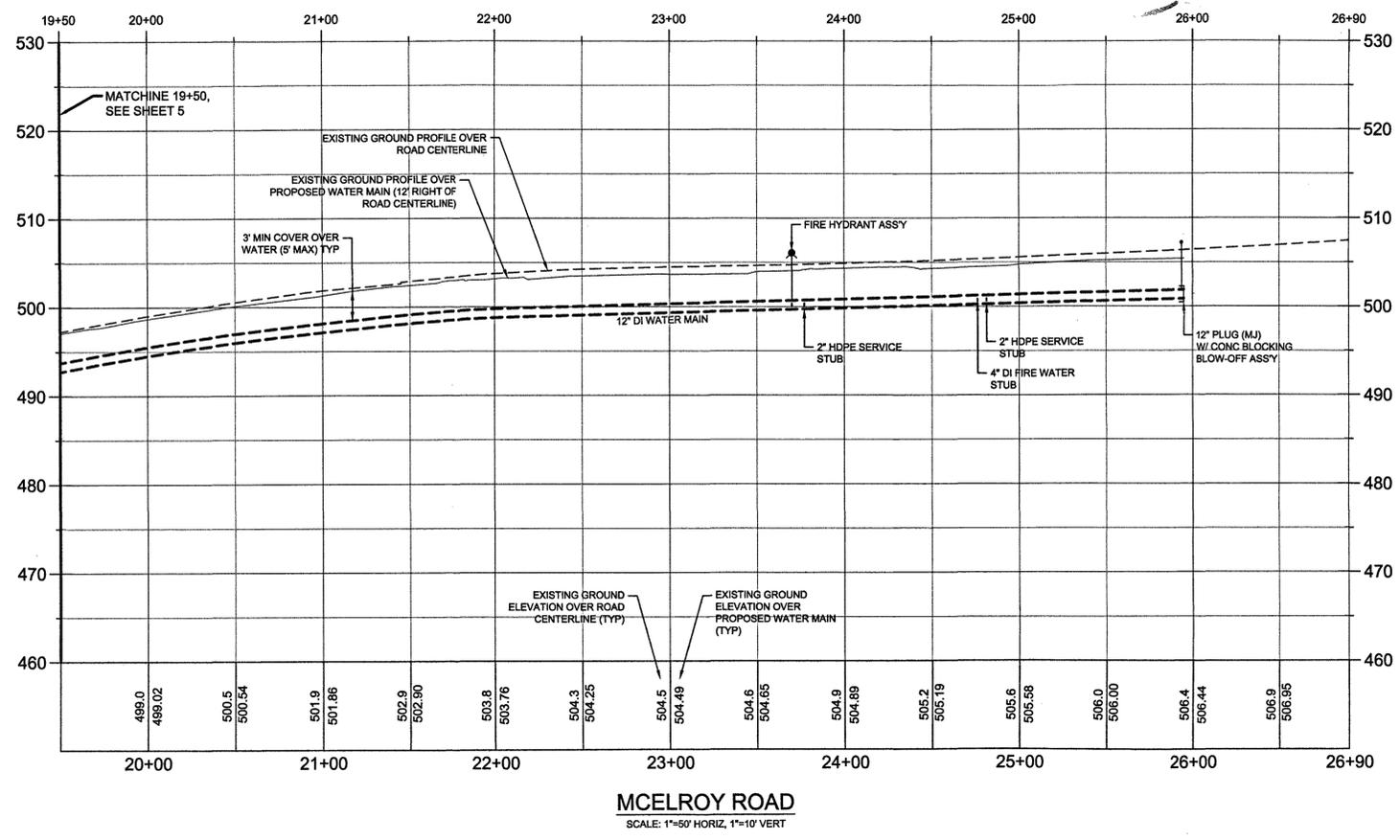


- TESC NOTE**
- INSTALL CHECK DAMS PER DETAIL ON SHEET 3 ALONG EXISTING DITCH LINE WHERE ADJACENT TO PROPOSED WATER MAIN CONSTRUCTION
- RESTORATION NOTE**
- ROADWAY AND ALL DISTURBED AREAS WITHIN SNOHOMISH COUNTY RIGHT-OF-WAY SHALL BE RESTORED PER SNOHOMISH COUNTY STANDARDS.

DAVID EVANS AND ASSOCIATES INC.
 1620 W. Marine View Dr. Suite 200
 Everett, Washington 98201
 Phone: 425.259.4099

SNOHOMISH COUNTY FD 21 WATER PLAN
SNOHOMISH COUNTY FIRE DISTRICT 21 WATER PLAN AND PROFILE

CITY OF ARLINGTON, WA



City of Arlington
 Approved _____ with Conditions
 Date: 3/25/21
 By: [Signature]
 No changes authorized unless approved by the Development Services Manager

CAUTION
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REVIEWED BY: [Signature] DATE: [Date] BY: [Signature]

CHECKED BY: JNS
 DESIGNED BY: ADC
 DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

PROJECT NO.
TCAX0000028

SHEET NO.
6 of 8

Plot Date: 1/8/2021 10:13 AM
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A PORTION OF THE SW 1/4 OF SECTION 19, T 31 N, R 06 E, W.M.

NOTES:

- HYDRANTS AND ALL MATERIALS SHALL CONFORM TO AWWA STANDARDS AND SHALL BE OF STANDARD MANUFACTURE (M&H 929 RELIANT OR MUELLER SUPER CENTURION 250 ONLY).
- THE CENTER OF THE HYDRANT SHALL BE 3' FROM FACE OF CURB, IF THERE IS NO CURB, THE CENTER OF HYDRANT SHALL BE 3' FROM RIGHT-OF-WAY AND A MINIMUM OF 5' FROM TRAVELED LANE.
- ONE 5" TO 4-1/2" PUMPER PORT W/N.S.T. AND STORZ ADAPTER ASSEMBLY. PUMPER PORT TO BE FACING STREET OR ROADWAY FOR THE FIRE ENGINE ACCESS.
- TWO 2-1/2" HOSE PORTS W/N.S.T. AND 1-1/4" OPERATING NUTS.
- PROVIDE GUARD POSTS FOR VEHICULAR TRAFFIC PROTECTION IF REQUIRED BY CITY ENGINEER PER STD. DETAIL W-030.
- INSTALL 3'x3'x4" CONCRETE PAD (3000 PSI) AROUND HYDRANT IN UNPAVED AREAS INCLUDING PLANTER STRIPS. COMPLETELY SURROUND HYDRANT W/FULL DEPTH OF CONCRETE PAD WITH 1/4" JOINT MATERIAL BEFORE PLACING CONCRETE.
- HYDRANT RUN TO BE 6" CEMENT LINED DUCTILE IRON PIPE CLASS 52 WITH RESTRAINED JOINTS (MEGALUG OR APPROVED EQUAL). HYDRANT RUN LONGER THAN 50 FEET SHALL BE 8" DIA. OR LARGER.
- 3/4" GALV. SHACKLE RODS WITH THE EYE BOLTS AT BOTH ENDS REQUIRED FROM VALVE TO HYDRANT.
- FIRE HYDRANTS SHALL BE PAINTED WITH TWO COATS OF HIGH GLOSS EQUIPMENT YELLOW "RUST-OLEUM" TYPE PAINT.
- INSTALL 24"x24"x4" CONCRETE PAD (3000 PSI) AROUND VALVE BOX AND 48"x48"x4" FOR MULTIPLE VALVE BOXES IN UNPAVED AREA.

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-010
REF STD SPEC		FIRE HYDRANT ASSEMBLY	

TWO LANE ROAD
OFFSET MARKER TO INDICATE WHICH SIDE OF STREET HYDRANT IS ON. MARKER TO BE PLACED 4" TO 6" OFF OF CENTERLINE.

ON SIDE STREETS
WHERE THE HYDRANT IS WITHIN 20' OF THE MAIN TRAVELED STREET, THE MARKER IS TO BE INSTALLED ON THAT MAIN STREET AND 4" TO 6" OFF THE CENTERLINE.

FOUR LANE ROAD
OFFSET MARKER TO INDICATE WHICH SIDE OF STREET HYDRANT IS ON. MARKER TO BE PLACED 4" TO 6" OFF OF DOTS OR PAINTED LANE DIVIDER.

FIVE LANE ROAD
OFFSET MARKER TO INDICATE WHICH SIDE OF STREET HYDRANT IS ON. MARKER TO BE PLACED 4" TO 6" OFF OF DOTS OR PAINTED LANE DIVIDER.

NOTE:
MARKER: TYPE BB AS STIMONSITE TWO WAY (BLUE)

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-015
REF STD SPEC		FIRE HYDRANT MARKER	

NOTES:

- CONCRETE SHALL BE CLASS 3000 PSI MIN.
- INSTALL 1/4" EXPANSION JOINT MATERIAL WITH FULL DEPTH OF CONCRETE PAD AROUND HYDRANT.

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-020
REF STD SPEC		FIRE HYDRANT CONCRETE PAD	

NOTES:

- GUARD POSTS SHALL BE 8' LONG, 6" DIAMETER, CONCRETE FILLED CLASS 52 D.I. PIPE OR 8" LONG 8" DIAMETER REINFORCED CONCRETE. PAINTED WITH TWO COATS OF HIGH GLOSS CATERPILLAR YELLOW (RUST-OLEUM) TYPE PAINT.
- TOP OF GUARD POST SHALL BE LEVEL WITH TOP OF OPERATING NUT.

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-030
REF STD SPEC		FIRE HYDRANT GUARD POST	

NOTES AND MATERIALS:

- 2" DC SERVICE SADDLE W/DOUBLE STAINLESS STEEL STRAP.
- 2" BALL VALVE CORPORATE STOP COMPRESSION WITH KEY FACING UP, MUELLER OR FORD ONLY.
- 2" HDPE CTS CLASS 200 HIGH SERVICE PIPE (200 PSI RATING) WITH STAINLESS STEEL STIFFENER AND 10 GAUGE COATED COPPER TRACER WIRE WRAPPED AROUND THE PIPE AND ATTACHED ON BOTH ENDS.
- 2" COMPRESSION ANGLE METER BALL VALVE (LOCKABLE).
- METER (SIZE AS SHOWN IN PLAN) SHALL BE INSTALLED BY CITY UTILITIES DIVISION AT OWNER'S EXPENSE. CITY WILL INSTALL ADAPTERS AT BOTH ENDS OF METER IF THE METER IS NOT 2".
- METER BOX SHALL BE MIDSTATES PLASTICS (1730-18) W/SOLID ID LID WITH 1 3/4" HOLE FOR TOUCH READ PAD (TRP).
- 2" ANGLE METER CHECK COUPLING (LOCKABLE).
- COMPRESSION x FIPT ADAPTER WITH PLASTIC PLUG.
- EXTEND SERVICE PIPE 10' BEYOND PROPERTY LINE AND AN ADDITIONAL 5' BEYOND EASEMENT LINE.
- METER LENGTH BLANK STUB FOR A 2" METER, W=17-1/4".
- 2" METER SETTER, FORD OR MUELLER.
- BYPASSES MUST BE HIGH BYPASS OR SIDE-BY-SIDE WITH THE METER.

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-050
REF STD SPEC		2" AND SMALLER NON-RESIDENTIAL WATER SERVICE	

SOIL	FIRM SILT OR FIRM SILTY SAND				COMPACT SAND				COMPACT SAND & GRAVEL			
	90° BEND	45° BEND	11 1/4" CAP OR PLUG	22 1/2" BEND	90° BEND	45° BEND	11 1/4" CAP OR PLUG	22 1/2" BEND	90° BEND	45° BEND	11 1/4" CAP OR PLUG	22 1/2" BEND
N 4	7.0	4.2	4.2	2.7	2.9	2.1	2.7	2.2	1.8	1.8	1.8	1.3
W 6	13.1	8.4	8.4	5.7	6.7	4.7	6.7	5.2	4.3	4.3	4.3	3.1
N 8	23.3	15.1	15.1	11.4	13.4	9.4	13.4	10.6	8.6	8.6	8.6	6.1
W 12	53.0	37.5	37.5	26.5	31.8	21.8	31.8	25.0	20.0	20.0	20.0	14.0

AREAS CALCULATED ON 300 PSI TEST PRESSURE AND 3'-0" MIN COVER OVER WATERMAIN

IF ECOLOGY BLOCKS MAY BE USED IN LIEU OF POURED-IN-PLACE BLOCKING FOR FITTINGS IN SHADED PORTION OF TABLE RESTRAINED JOINTS MUST BE USED.

FOR NOTES SEE STD DETAIL NO. W-165

APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD PLANS	W-160
REF STD SPEC		THRUST BLOCK	

NOTES:

- LOCATION AND SIZE OF BLOCKING FOR PIPE LARGER THAN 12" DIAMETER AND FOR SOIL TYPES DIFFERENT THAN SHOWN SHALL BE DETERMINED BY THE CITY ENGINEER.
- ALL BLOCKING FOR HORIZONTAL FITTINGS (POURED IN PLACE) SHALL BEAR AGAINST UNDISTURBED NATIVE GROUND OR FILL MATERIAL COMPACTED TO 95% MAXIMUM DENSITY.
- ALL POURED THRUST BLOCKS SHALL BE BACKFILLED AFTER MINIMUM 1 DAY. PRESSURE TESTING SHALL OCCUR AFTER CONCRETE HAS REACHED COMPRESSIVE STRENGTH (f'c).
- ALL BLOCKING TO BE CONCRETE CL 3000-1 (3000 PSI).
- BLOCKING AGAINST FITTINGS SHALL BEAR AGAINST THE GREATEST FITTING SURFACE AREA POSSIBLE, BUT SHALL NOT COVER OR ENCLOSE BELL ENDS, JOINT BOLTS OR GLANDS. ACCESS TO BOLTS AND GLANDS SHALL BE PROVIDED.
- ALL HORIZONTAL BLOCKING THRUST AREAS SHALL BE CENTERED ON PIPE.
- WHERE POURED-IN-PLACE BLOCKING IS REQUIRED AT A POINT OF CONNECTION TO AN EXISTING WATERMAIN, THE BLOCKING SHALL BE INSTALLED PRIOR TO CONNECTION WHENEVER POSSIBLE OR AS DIRECTED BY THE CITY ENGINEER.
- TEMPORARY BLOCKING, IF USED, SHALL BE APPROVED BY THE CITY ENGINEER.

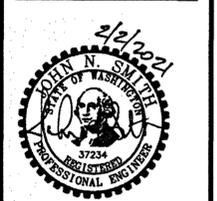
APPROVED BY	L. DATE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	W-165
REF STD SPEC		THRUST BLOCK	

DAVID EVANS AND ASSOCIATES INC.
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Everett, Washington 98201
Phone: 425.259.4099

SNOHOMISH COUNTY FD 21
WATER PLAN
SNOHOMISH COUNTY FIRE DISTRICT 21
WATER DETAILS

CITY OF ARLINGTON

DATE: _____ BY: CK
REVIEWED BY: _____
NO. _____ DATE: _____ REVISION: _____

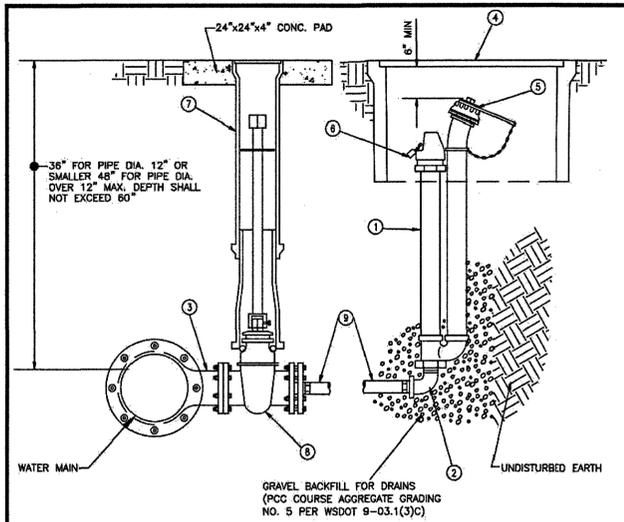


CHECKED BY: JNS
DESIGNED BY: ADC
DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

PROJECT NO.
TCAX0000028

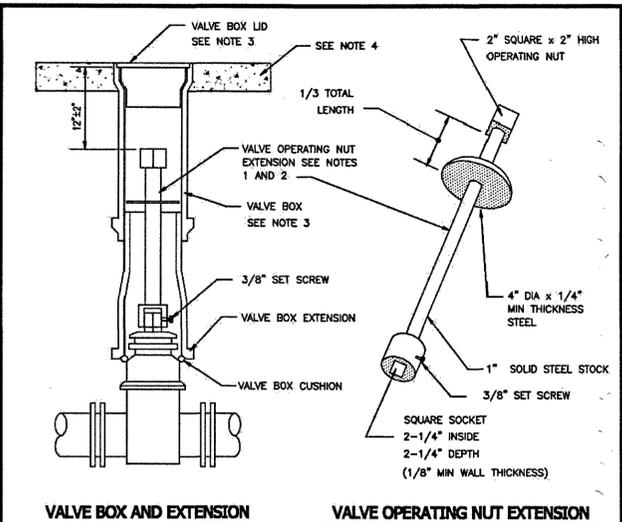
SHEET NO.



MATERIAL LIST:

- 1 BLOWOFF HYDRANT KUPFERLE FOUNDRY #78 BRONZE TO BRONZE DESIGN SERVICEABLE FROM ABOVE WITH OUTLET EXPOSED. 2-1/2" NST OUTLET LOCKING CAP ON OPERATOR.
- 2 2" BRASS 90° BEND
- 3 MAINLINE SIZE TEE WITH 6" FLANGE
- 4 MID-STATES PLASTICS METER BOX MSBCF 1730-18/W D1 LID.
- 5 2-1/2" CAP NATIONAL STANDARD THREAD.
- 6 LOCK TO BE SUPPLIED BY CITY OF ARLINGTON.
- 7 CAST IRON VALVE BOX AND EXTENSION PER STD DETAIL W-190
- 8 6" GATE VALVE WITH RESILIENT SEAT (MUELLER, M&H OR APPROVED EQUAL) WITH A 6" FLANGE X 2" COMPANION FLANGE
- 9 2" HDPE HI MOL CL 200 CTS POLY PIPE W/2 2" MIP COMPRESSION ADAPTERS

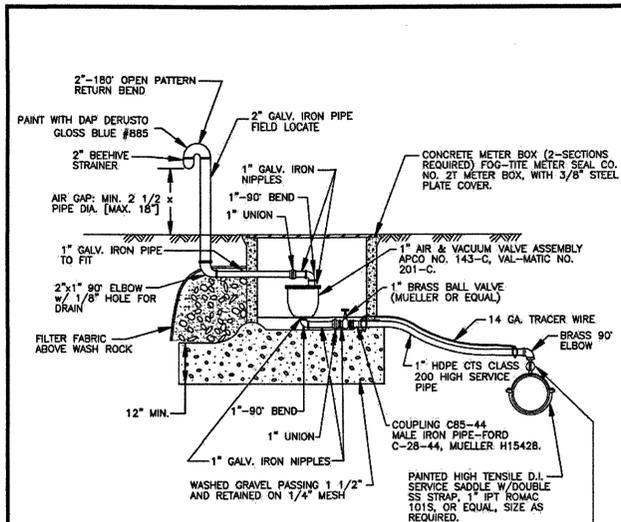
APPROVED BY	L. BURE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	
REV	BY	DATE	
		2" BLOWOFF ASSEMBLY	W-180



NOTES:

- VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN THREE (3) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF ONE (1) FOOT LONG. ONLY ONE EXTENSION WILL BE ALLOWED PER VALVE.
- ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO (2) COATS OF METAL PAINT.
- VALVE BOXES SHALL BE CAST IRON, TWO PIECE UNITS, DESIGNED WITH DEEP SKIRT (2") LIDS W/LUGS, EQUAL TO "RICH NO. 940" AS MANUFACTURED BY RICH OR SATHER.
- 4" THICK CONCRETE PAD AROUND VALVE BOXES OUTSIDE OF PAVED AREAS. 2'x2' SQUARE AROUND SINGLE VALVE BOXES AND 4'x4' AROUND MULTIPLE VALVE BOXES.

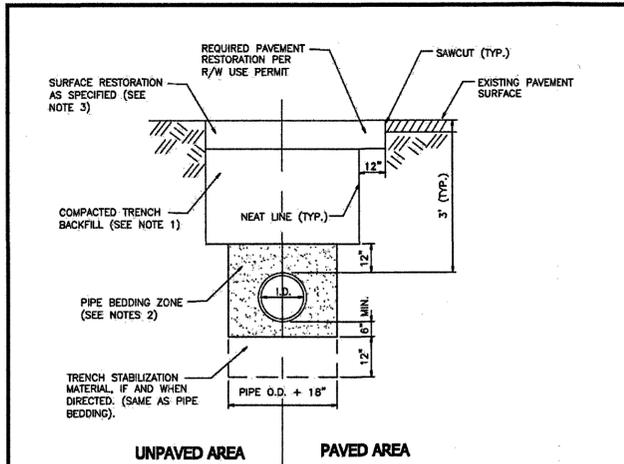
APPROVED BY	L. BURE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	
REV	BY	DATE	
		VALVE BOX AND OPERATING NUT EXTENSION	W-190



NOTES:

- ALL FITTINGS TO BE BRASS OR COPPER FROM WATER MAIN TO 1" AIR & VACUUM ASSEMBLY.
- AIR & VACUUM RELEASE VALVE ASSEMBLY MUST BE INSTALLED AT THE HIGHEST POINT OF THE LINE. IF THE HIGH POINT FALLS IN A LOCATION WHERE ASSEMBLY CANNOT BE INSTALLED, PROVIDE ADDITIONAL DEPTH OF LINE TO CREATE HIGH POINT AT A LOCATION WHERE ASSEMBLY CAN BE INSTALLED.

APPROVED BY	L. BURE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	
REV	BY	DATE	
		1" COMBINATION AIR VALVE ASSEMBLY	W-260



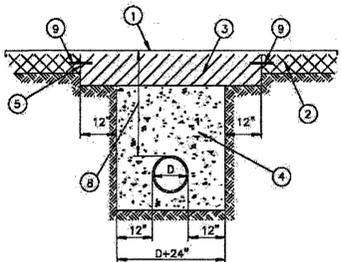
NOTES:

- TRENCH BACKFILL SHALL BE:
 - * PAVED AREA: GRANULAR BACKFILL AS APPROVED BY LOCAL AGENCY, OR PER WSDOT 9-03.9(3), OR CDF, OR 5/8" MINUS CRUSHED SURFACING, OR APPROVED NATIVE MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY.
 - * UNPAVED AREA: SELECTED GRANULAR MATERIAL WITH MAXIMUM DIMENSION OF 6" PER WSDOT 9-03.15, COMPACTED TO 90% OF MAXIMUM DENSITY.
- GRAVEL BACKFILL FOR PIPE ZONE BEDDING SHALL BE SELECTED GRANULAR MATERIAL PER WSDOT 9-03.12(3), WASHED SAND, OR APPROVED SUITABLE EXCAVATED MATERIAL WITH MAXIMUM DIMENSION OF 1-1/2" COMPACTED TO 95% OF MAXIMUM DENSITY BY APPROVED HAND-HELD TOOLS.
- EXCAVATE FOR THE PIPE BELL TO ENSURE UNIFORM SUPPORT FOR THE PIPE BARREL.
- UNPAVED AREA SHALL BE RESTORED WITH 4" TOP SOIL, FERTILIZER AND SEED, OR AS SPECIFIED. PAVEMENT RESTORATION SHALL BE DONE PER RIGHT-OF-WAY USE PERMIT, OR AS SPECIFIED.

APPROVED BY	L. BURE	DEPARTMENT OF PUBLIC WORKS	STANDARD DETAIL NUMBER
DATE	07/21/2008	STANDARD DETAILS	
REV	BY	DATE	
		TYPICAL TRENCH DETAIL	W-270

ASPHALT OR CONCRETE PAVEMENT:

- A 2" HMA OVERLAY IS REQUIRED PER EDDS 8-05.C
 - EXISTING PAVEMENT.
 - TRENCH - 6" OF HMA OR MATCH EXISTING ASPHALT, WHICHEVER IS GREATER, PER WSDOT STANDARD SPECIFICATIONS SECTION 5-04. IF CONCRETE, RESTORATION SHALL BE IN ACCORDANCE WITH SECTION 5-05 OF THE WSDOT/APWA SPECIFICATIONS.
 - NATIVE MATERIAL BANK RUN GRAVEL, CSTC OR CONTROL DENSITY FILL (CDF) A MINIMUM OF 6" FROM TOP OF EXISTING ASPHALT.
 - NEAT LINE CUT, CLEAN, HEAT & TACK EDGES WITH SEALER CSS-1 & SEAL WITH HOT ASPHALT CEMENT.
 - TEMPORARY RESTORATION OF TRENCHES FOR OVERNIGHT USE SHALL BE ACCOMPLISHED BY USING ASPHALT, OR STEEL PLATES.
 - PATCH SHALL BE MACHINE ROLLED FLUSH WITH EXISTING PAVEMENT AND SHALL BE PLACED PER WSDOT STANDARD SPECIFICATIONS SECTION 5-04.
 - COVER DEPTH OVER UNDERGROUND UTILITIES SHALL CONFORM TO FEDERAL AND STATE REGULATIONS.
 - TRENCHES IN CONCRETE PAVEMENT SHALL BE RESTORED USING THE BARS OR DOWEL BARS IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 5-04.
- SEE TEXT SECTIONS 8-02, 8-04, 8-05, 8-07.



PERMEABLE PAVEMENT:

- TRENCHES IN PERMEABLE PAVEMENT SHALL BE RESTORED WITH THE SAME PERMEABLE PAVEMENT AND CROSS-SECTION, UNLESS APPROVED OTHERWISE BY THE ENGINEER.

APPROVED BY:	DATE
<i>Douglas M. McLeary</i>	6/1/2020
COUNTY ROAD ENGINEER	

GENERAL R/W USE RESTORATION REQUIREMENTS

- AT THE ENGINEER'S DISCRETION, PRIOR TO COMMENCING ANY CONSTRUCTION, PHOTOGRAPHS DEPICTING PRE-EXISTING ROADWAY CONDITIONS WILL BE REQUIRED EVERY 50 FEET IN PAVED AREAS OR ANY OTHER LOCATION AS SPECIFIED BY THE ENGINEER.
- SIGNING, FLAGGING AND TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THESE STANDARDS, THE WSDOT TRAFFIC MANUAL AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ONE LANE OF TRAFFIC SHALL REMAIN OPEN AT ALL TIMES, ATTENDED BY FLAGMEN AND APPROPRIATE CONSTRUCTION SIGNING PROVIDED. THE ROAD SHALL BE RESTORED TO TWO-WAY TRAFFIC AT THE END OF EACH WORKING DAY. APPLICATIONS FOR TOTAL ROAD CLOSURES MUST BE FILED WITH SNOHOMISH COUNTY PUBLIC WORKS AT LEAST 5 DAYS PRIOR TO THE ANTICIPATED CLOSURE.
- EXISTING DRAINAGE DITCHES, CULVERTS, ETC., SHALL BE KEPT CLEAN AT ALL TIMES. TEMPORARY DIVERSION OF ANY DRAINAGE SYSTEM WILL NOT BE PERMITTED WITHOUT THE CONSENT OF THE ENGINEER. ANY DRAINAGE CULVERT, CATCH-BASIN, MANHOLE OR OTHER DRAINAGE STRUCTURE DISTURBED BY EXCAVATION SHALL BE REPLACED WITH NEW MATERIAL OR REPAIRED TO THE SATISFACTION OF THE ENGINEER. TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES SHALL BE EMPLOYED TO PROTECT ADJACENT PROPERTY AND STORM DRAINAGE FACILITIES.
- GRAVEL SHOULDERS DISTURBED BY EXCAVATION SHALL BE SHAPED TO COUNTY STANDARDS AND PROVIDED WITH A MINIMUM OF 8 INCHES COMPACTED CRUSHED SURFACING TOP COURSE.
- IF IN THE OPINION OF THE ENGINEER, WEATHER CONDITIONS DETERIORATE TO THE POINT WHERE THE TRAVELED ROADWAYS ARE UNSAFE FOR THE PUBLIC OR DETRIMENTAL TO THE RESTORATION OF THE ROADWAY, EXCAVATION SHALL CEASE IMMEDIATELY AND CLEANUP SHALL BE PROMPTLY ACCOMPLISHED.
- ALL PIPE OR OTHER MATERIAL STORED ALONG COUNTY RIGHT-OF-WAY MUST BE PLACED AT A SAFE DISTANCE FROM THE TRAVELED ROADWAY IN SUCH A MANNER AS TO AVOID FALLING ONTO THE ROADWAY.
- NO EXCESS OR UNSUITABLE MATERIAL SHALL BE WASTED ON COUNTY RIGHT-OF-WAY. ANY SUCH MATERIAL DUMPED ON PRIVATE PROPERTY MAY REQUIRE A GRADING PERMIT. VERIFICATION WITH SNOHOMISH COUNTY PLANNING & DEVELOPMENT SERVICES IS REQUIRED.
- STREET SURFACES SHALL BE CLEANED AT THE END OF EACH DAY'S OPERATION WITH A POWER BROOM OR OTHER APPROVED MEANS.
- NO OPEN CUT CROSSING OF COUNTY ROADS OR STREETS SHALL BE MADE WITHOUT THE APPROVAL OF THE ENGINEER.
- MAXIMUM AMOUNT OF OPEN TRENCH IN ROADS SHALL BE 400 LINEAL FEET AT THE END OF EACH DAY. ALL DITCHES MUST BE BACKFILLED OR COVERED WITH STEEL PLATES OR BARRICADED WITH FLASHING WARNING LIGHTS TO PREVENT PEOPLE OR ANIMALS FROM FALLING INTO THE TRENCH.
- FINAL CLEANUP INCLUDING COMPLETE RESTORATION OF SHOULDERS, CLEANING OF DITCHES, CULVERTS AND CATCHBASINS, AND REMOVAL OF LOOSE MATERIAL FROM BACK SLOPES OF DITCHES SHALL NOT EXCEED 1500 LF BEHIND EXCAVATING OPERATIONS OR AS REQUIRED BY THE ENGINEER.

APPROVED BY:	DATE
<i>Shawn M. ...</i>	2-10-08
COUNTY ROAD ENGINEER	

City of Arlington

Approved _____ Denied _____ with Conditions _____

Date: 3/25/21

By: [Signature]

No changes authorized unless approved by the Development Services Manager

DAVID EVANS AND ASSOCIATES INC.
 1620 W. Marine View Dr. Suite 200
 Everett, Washington 98201
 Phone: 425.259.4099

SNOHOMISH COUNTY FD 21 WATER PLAN

SNOHOMISH COUNTY FIRE DISTRICT 21 WATER DETAILS

CITY OF ARLINGTON, WA

REVIEWED BY:	DATE:
REVISION:	BY:
NO.	DATE



APPROVED BY:	DATE
<i>Shawn M. ...</i>	2-10-08
COUNTY ROAD ENGINEER	

CHECKED BY: JNS
 DESIGNED BY: ADC
 DRAWN BY: KMP

FIRST SUBMITTAL DATE: 11/5/20

PROJECT NO.
TCAX0000028

SHEET NO.
8 of 8

Plot Date: 1/7/2021 3:55 PM
 Save Date: 1/7/2021 13:22 PM
 By: April Coleman
 File Path: P:\TYT\TAX\0000028\0400\DRSHEET\Water - City of Arlington\EC-DT-TAX-0028.dwg