Know what's below. Call before you dig.

1. 30% DESIGN
   MCH           3/11/19

2. 60% DESIGN
   MCH           4/22/19

3. 90% DESIGN
   MCH           7/10/19

4. ISSUED FOR BIDDING
   MCH            8/5/20

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SCALE: 1"=20'
DISTRICT STANDARD GENERAL NOTES

1. UNLESS STATED OTHERWISE, ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE MOST CURRENT AMENDMENTS TO THE GOVERNMENT OF TRANSPORTATION DEPARTMENT’S SPECIFICATIONS OR APPROPRIATE LOCAL CODE. CHANGES TO SPECIFICATIONS OR LOCAL CODES MUST BE APPROVED BY THE DISTRICT.

2. THE CONTRACTOR SHALL SCHEDULE 4-PHASE CONSTRUCTION CONFORMING TO THE DISTRICT’S REQUIREMENTS, AS STATED IN APPENDIX B OF THE TECHNICAL SPECIFICATIONS.

3. PERMITS FOR THE INSTALLATION OF THE PROPOSED WATER SYSTEMS/EQUIPMENT AND ATTACHMENTS IN APPEARANCE OF THE TECHNICAL SPECIFICATIONS.

4. DISTRICT REFERENCE DOCUMENTS, SUCH AS STATEWIDE GENERAL WATER POLICY, DRAWINGS, AND LOCAL CODES, MUST BE EXAMINED BY THE CONTRACTOR TO CONFIRM THEIR AUTHORITY.

5. THE CONTRACTOR IS RESPONSIBLE FOR THE PURCHASE OF ALL MATERIALS, EQUIPMENT, AND LABOR. THE CONTRACTOR SHALL PROVIDE A DETAILED BID TO THE DISTRICT PRIOR TO THE CONTRACTOR BEING AUTHORIZED TO START CONSTRUCTION.

6. A LIST OF ALL MATERIALS, INCLUDING THE MANUFACTURER’S NAME, MODEL, AND SIZE, IF THE WATER SYSTEM AND EQUIPMENT INSTALLATION WILL BE CONDUCTED IN ACCORDANCE WITH THE DISTRICT’S REQUIREMENTS.

7. POST-CONSTRUCTION SCHEDULES SHALL BE ADHERED TO, AND THE DISTRICT WILL BE NOTIFIED OF ANY DELAYS OR ADDITIONAL REQUIREMENTS.

8. ALL DRAINAGE REQUIREMENTS SHALL BE ADHERED TO, AND THE DISTRICT WILL BE NOTIFIED OF ANY DELAYS OR ADDITIONAL REQUIREMENTS.

9. ALL WATER VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE DISTRICT’S REQUIREMENTS.

10. ALL BOLTING VALUES TO BE WRITTEN BUTTERFLY VALVES, 1-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

11. ALL DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 2-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

12. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 3-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

13. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

14. ALL BUTTERFLY VALVES TO BE WRITTEN BUTTERFLY VALVES, 4-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

15. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 5-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

16. ALL BURIED DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 6-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

17. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 7-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

18. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

19. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 8-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

20. ALL BURIED DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 9-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

21. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 10-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

22. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

23. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 11-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

24. ALL BURIED DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 12-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

25. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 13-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

26. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

27. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 14-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

28. ALL BURIED DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 15-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

29. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 16-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

30. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

31. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 17-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

32. ALL BURIED DUCTILE IRON FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 18-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

33. ALL STEEL PIPE FITTINGS AND VALVES SHALL BE WRITTEN BUTTERFLY VALVES, 19-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.

34. ALL Ductile Iron Fittings and Valves that require a Minimum of 12-Inch Diameter and Resilient Seated Gate Valves, AWWA C509 with Stainless Steel Nuts, Bolts, and Nuts.

35. ALL DESIGN VALUES TO BE WRITTEN BUTTERFLY VALVES, 20-INCH BUTTERFLY VALVES WITH STAINLESS STEEL NUT, BOLTS, AND NUTS.
Know what's below. Call before you dig.
**N. 18TH STREET, E. DIVISION TO E. HIGHLAND, E. FIR STREET, N. LAVENTURE TO N. 30TH**

**DISTRICT:**

**CUT AND CAP EX. PIPE**
**CLOSE AND ABANDON EX. VALVE**

**STA 4+11, 11.5' RT**
1-6" HYDRANT ASSEMBLY
RESTRAIN ALL JOINTS

**STA 03+16, 11.5' RT**
**DISTRICT:**
**RELOCATE METER TO 3+12**

**STA 01+17, 17.5' RT**

**DISTRICT:**
**REMOVE EX. HYDRANT**
**INSTALL:**
1-12"x8" DI REDUCER, FLxMJ
30LF OF 8" PVCO PIPE
1-8" DI SLEEVE, MJ
CONNECT TO EX. 12" BF VALVE
RESTRAIN ALL JOINTS

**Proposed 8" C909 PVCO Pipe PC235**

**EX. GROUND PROFILE @ ROW CENTERLINE**
**3' COVER (TYP)**

**EX. GROUND PROFILE @ PROPP WATER CENTERLINE**

**EX. 12" SM STORM PIPE**
**DEPTH UNKNOWN**

**EX. 8" CULVERT**
**BOTTOM OF 8" PVCO PIPE: 184.8'**
**TOP OF 8" PVCO PIPE: 183.9'**

**STA 04+04**
**124 N 18TH STREET**
5 8
" WATER SERVICE (S)

**STA 05+44**
**209 N 18TH STREET**
5 8
" WATER SERVICE (L)

**STA 05+44**
**213 N 18TH STREET**
5 8
" WATER SERVICE (L)

**RENEW EX. SERVICES AT STA ADDRESS**

**3+12 120 N 18TH**
**4+04 124 N 18TH**
**5+94 209 N 18TH**
**5+96 213 N 18TH**

**SCALE: 1"=20'**

Know what's below. Call before you dig.

**SDMH #445**

**CB #699**
**RIM: 190.9'**
**12" N INV: 188.8'**
**10" E INV: 189.1'**
**12" S INV: 188.8'**

**SDMH #589**
**RIM: 192.0'**
**12" N INV: 188.2'**
**8" E INV: 188.9'**
**12" S INV: 188.4'**

**SDMH #790**
**RIM: 186.5'**
**8" E INV: 185.3'**
**8" SW INV: 185.4'**

**DISTRICT:**

**CUT AND CAP EX. PIPE**
**CLOSE AND ABANDON EX. VALVE**

**STA 02+05, 11.5' RT**
1-8" DI ELL, 45° MJ
RESTRAIN ALL JOINTS

**STA 01+99, 17.5' RT**
1-8" DI ELL, 45° MJ
RESTRAIN ALL JOINTS

**DISTRICT:**

**REPLACE EX. 8" ELL**
**EX. 12"x8" REDUCER**

**INSTALL:**
1-12"x8" DI REDUCER, FLxMJ
30LF OF 8" PVCO PIPE
1-8" DI SLEEVE, MJ
CONNECT TO EX. 12" BF VALVE
RESTRAIN ALL JOINTS

**SCALE: 1"=20'**

**EX. 12" CULV:**
**IE: 185.2'**

**EX. 8" CULV:**
**IE: 184.8'**

**DISTRICT:**

**CUT AND CAP EX. PIPE**
**CLOSE AND ABANDON EX. VALVE**

**MATCHLINE STA 6+00**

**Data Sheet: 1415 Freeway Drive**
**P.O. Box 1436**
**Mount Vernon, WA 98273**
**(360) 424-7104**
**www.SkagitPud.org**

**DSGN BY:**
JLB

**DWN BY:**
JLB

**APPVD BY:**
MCH

**TWP: 34 N**
**SEC: 20, 16, 21**
**RGE: 4 E**

**REVISIONS**

**DATE:**

**1. 30% DESIGN**
**MCH 3/11/19**

**2. 60% DESIGN**
**MCH 4/22/19**

**3. 90% DESIGN**
**MCH 7/10/19**

**4. ISSUED FOR BIDDING**
**MCH 8/5/20**

**8/4/20**

**PUBLIC UTILITY DISTRICT NO. 1 OF SKAGIT COUNTY**

**APP: 5037**
**P.N.: 3760**

**DATE PRINTED:**

know what's below. call before you dig.
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1. SURVEY, MARKUPS FOR POE FORM MEASURING
   MAX BOX = 1/2" PER WIDTH X 6.0-12.0 (CONC PUD STANDARDS)
   PER ROAD CUTS SHALL REPLACE THE ASPHALT FROM THE FAR SIDE OF THE CUT TO THE EDGE OF CURB AND GUTTER, OR EDGE OF PAVEMENT WHERE APPLICABLE.

2. 30% DESIGN
   MCH           3/11/19

3. 60% DESIGN
   MCH           4/22/19

4. 90% DESIGN
   MCH           7/10/19

5. ISSUED FOR BIDDING
   MCH            8/5/20

STANDARD DETAILS

SCALE: NONE

10GA. SOLID CORE INSULATED COPPER TRACER WIRE (PER PUD STANDARD)

BEDDING & PIPE ZONE

*4. GRAVEL BACKFILL FOR PIPE ZONE BEDDING, MAX SIZE 1-1/2" PER WSDOT 9-03.12 (PER PUD STANDARD)