GENERAL CONSTRUCTION NOTES:
1. ALL WORK AND MATERIALS SHALL COMPLY WITH THESE PLANS, CITY OF OAKVILLE STANDARDS AND THE WSDOT 2022 STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. CONTRACTOR SHALL OBTAIN ALL NECESSARY LICENSES AND CONSTRUCTION PERMITS AND SHALL CONTACT EACH PERMITTING AGENCY AT LEAST TWO BUSINESS DAYS PRIOR TO STARTING WORK.
3. THE LOCATION OF EXISTING UTILITIES SHOWN ON THE PLANS IS APPROXIMATE. ADDITIONAL UGNDGROUN UTILITIES MAY EXIST. CALL UNDERGROUND SERVICE ALERT AT 811 OR 1-800-426-6000 TWO WORKING DAYS BEFORE BEGINNING ANY TRENCHING OR EXCAVATION. IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO PROTECT ALL EXISTING FACILITIES FROM DAMAGE DURING CONSTRUCTION.
4. THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE REMOVAL OR RELOCATION OF ANY AND ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRIX BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.
5. ANY ALTERATION FROM THESE PLANS, EXCEPT FOR MINOR FIELD ADJUSTMENT NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL BE FIRST APPROVED BY THE OWNER’S REPRESENTATIVE. ANY ALTERATION IN VARIANCE FROM THESE PLANS SHALL BE DOCUMENTED ON CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE OWNER’S REPRESENTATIVE.
6. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ENGINEER-ON-ACCOUNT DESIGEE.
7. THE CONTRACTOR SHALL KEEP AND MAINTAIN A CURRENT SET OF APPROVED DRAWINGS ON SITE AT ALL TIMES AND SHALL KEEP ACCURATE "AS BUILT" RECORD COPY OF ALL "AS BUILT" DRAWINGS TO BE PROVIDED TO OWNER AT COMPLETION OF PROJECT.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL SURVEY MONUMENTS, AS REQUIRED. ANY SURVEY MONUMENTS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR’S EXPENSE.
9. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION STAGING FOR THE PROJECT.
10. THE CONTRACTOR AGREES THAT HE WILL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
11. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY AND ROADS OPEN TO VEHICULAR TRAFFIC UNLESS OTHERWISE APPROVED BY THE OWNER’S REPRESENTATIVE.

STREET AND UTILITY NOTES:
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS AND THE PROJECT SPECIFICATIONS.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FAMILIARIZE THEMSELF WITH THE JOB SITE AND THE LOCATION OF ALL UNDERGROUND FACILITIES SHOWN OR NOT SHOWN ON THESE PLANS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING COMPACTION TESTS OF ALL TRENCH BACKFILL AND SUBGRADES AND SUBMITTING THEM TO THE OWNER’S REPRESENTATIVE. NOTIFY THE OWNERS/ARCHITECT 24 HOURS PRIOR TO TEST.
4. THE CONTRACTOR SHALL SATISFY THEIRSELF THAT ESTIMATED QUANTITIES SHOWN ARE CORRECT BEFORE BIDDING ON ANY ITEM.
5. THE CONTRACTOR SHALL MAINTAIN DUST AND EROSION CONTROL AT ALL TIMES.
6. ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAWCUT AND REMOVED TO CLEAN STRAIGHT LINES.
7. ALL EXISTING UTILITY LINES ACROSS TRENCHES SHALL BE MAINTAINED IN SERVICE AND SHALL BE PROPERLY SUPPORTED, UNLESS APPROVED BY OWNER/ARCHITECT.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY VALVES, BOXES AND COVERS, AND ADJUSTING OF ALL UTILITY VALVE BOXES AND COVERS TO FINISH GRADE. IT SHALL BE THE CONTRACTOR’S RESPONSIBILITY TO CONTACT ALL UTILITIES.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL DURING CONSTRUCTION.
10. ALL EXISTING UTILITY LINES ACROSS TRENCHES SHALL BE MAINTAINED IN SERVICE AND SHALL BE PROPERLY SUPPORTED, UNLESS APPROVED BY OWNER/ARCHITECT.
11. ALL PIPELINES OR SUBSTRUCTURES OF ANY KIND, AND TELEPHONE POWER POLES, WATER METERS, IRRIGATION STANDPIPES, VALVES, HYDRANTS, ETC. SHOWN OR NOT SHOWN ON THESE PLANS WITHIN THE LIMITS OF THIS PROJECT OR IN ADJACENT AREAS WHERE IMPROVEMENT WORK IS TO BE DONE SHALL BE REMOVED OR RELOCATED AS NECESSARY. SERVICE DISURRFTIONS WILL BE LEFT TO A MINIMUM AND SHALL OCCUR ONLY AFTER MINIMUM 24 HOURS NOTICE TO ALL PARTIES CONCERNED.

SPONSORING AGENCY
CONFEDERATED TRIBES OF THE CHEHALIS RESERVATION

UTILITY
WATER:
PUBLIC WORKS DEPARTMENT
OAKVILLE, WA 98568
CONTACT: RICHARD ARMSTRONG, DIRECTOR
(360) 791-8772

POWER:
GRAYS HARBOR PUD
411 KAISER RD SW,
Olympia WA 98502
(360) 791-8772

TELECOMMUNICATIONS:
GRAYS HARBOR PUD
411 KAISER RD SW,
Olympia WA 98502
(360) 791-8772

CIVIL ENGINEER
AKANA
6400 SE LAKE ROAD, SUITE 270
PORTLAND, OREGON 97222
CONTACT: PAUL KNOX, PROJECT ENGINEER
(503) 652-9090

UTILITIES
CONFEDERATED TRIBES OF THE CHEHALIS RESERVATION
420 HOWANUT ROAD
OAKVILLE, WA 98568
CONTACT: BRIAN Von CL, UTILITY CONSTRUCTION
734-4-1122

OWNER OF RIGHT-OF-WAY
PUBLIC WORKS DEPARTMENT
OAKVILLE, WA 98568
CONTACT: RICHARD ARMSTRONG, DIRECTOR
(360) 791-8772

OWNER OF RIGHT-OF-WAY
PRIVATELY OWNED
PUBLIC WORKS DEPARTMENT
OAKVILLE, WA 98568
CONTACT: RICHARD ARMSTRONG, DIRECTOR
(360) 791-8772

CONTACT: (503) 652-9090

W. ASH STREET IMPROVEMENTS
OAKVILLE, WASHINGTON

CLIENT
CONFEDERATED TRIBES OF THE CHEHALIS RESERVATION
420 HOWANUT ROAD
OAKVILLE, WA 98568
360-791-1122

CALL 4 HOURS BEFORE YOU DIG
1-800-424-5555

PUBLIC WORKS DEPARTMENT
6400 SE LAKE ROAD, SUITE 270
PORTLAND, OREGON 97222
VOICE (503) 652-9090

AKANA 21-043

PAGE 1 OF 11
1. EROSION, SEDIMENT AND POLLUTANT CONTROL IS REQUIRED FOR THIS PROJECT AND MUST BE IN PLACE PRIOR TO CONSTRUCTION.

2. PREPARE SITE SPECIFIC AN EROSION, SEDIMENT AND POLLUTANT CONTROL PLAN (ESPCP) BEFORE BEGINNING WORK. KEEP A COPY OF THE ESPCP ON SITE AT ALL TIMES DURING THE PROJECT.

3. THE EROSION AND SEDIMENT CONTROL FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE AND SEASONAL CONDITIONS. UPGRADE THESE FACILITIES TO ADDRESS CHANGING WORK OR WEATHER CONDITIONS.

4. INSTALL, MONITOR, REPLACE AND UPGRADE ALL FACILITIES AND MEASURES. PERFORM MAINTENANCE TO ENSURE THEIR CONTINUED FUNCTIONING.

5. INSPECT AND MAINTAIN ALL FACILITIES AND MEASURES UNTIL WORK AREAS ARE RESURFACED OR STABILIZED.

6. COMPLETE AN EROSION CONTROL MONITORING FORM AFTER EACH INSPECTION. INCLUDE THE INSPECTION DATE AND TIME. RETAIN THESE COMPLETED FORMS ON SITE AND PROVIDE THEM UPON REQUEST.

7. NO VISIBLE AND MEASURABLE SEDIMENT OR POLLUTANT SHALL EXIT THE SITE, ENTER A PUBLIC RIGHT-OF-WAY OR BE DEPOSITED INTO ANY WATER BODY OR STORM DRAINAGE SYSTEM.

8. FOLLOWING A STORM EVENT, INSPECT AND ADJUST, REPAIR, IMPROVE OR REPLACE ALL DEFICIENT OR FAILING FACILITIES AND MEASURES.

9. STABILIZE ALL EXPOSED SOIL IMMEDIATELY FOLLOWING GROUND DISTURBING ACTIVITY.

10. STABILIZE AND PROTECT STOCKPILED SOIL WITH APPROVED MEASURES.

11. REMOVE EROSION AND SEDIMENT CONTROL FACILITIES AFTER THE PROJECT IS COMPLETED AND ACCEPTED.
STA 1+22.79, 9.00' LT
BEGIN CEMENT CONCRETE TRAFFIC CURB & 5' SIDEWALK
SEE DETAIL 2 & 5, SHEET C10

STA 1+42.54, 9' RT
BEGIN MOUNTABLE CEMENT CONCRETE TRAFFIC CURB
SEE DETAIL 5, SHEET C09. BEGIN GRASS-LINED STORMWATER INFILTRATION SWALE, SEE DETAIL 1, SHEET C10

SEE INTERSECTION PLAN, SHEET C07

STA 3+11.51, 9.00' LT
INSTALL 20' DRIVEWAY, SEE DETAIL 3, SHEET C10

STA 2+88.48, 6.31' LT
8" x 6" HOT-TAP AND 6" MJ GATE VALVE W/ THRUST BLOCK

STA 1+25.79, 9.00' RT
INSTALL CURB RAMP, SEE DETAIL 4, SHEET C10

INSTALL NEW STREET LIGHT ON EXIST. POWER POLE
PROJECT EXIST. WATER MAIN

STA 2+88.46, 19.50' LT
INSTALL FIRE HYDRANT ASSEMBLY W/ 13.2 LF 6" PVC C900 WATER MAIN, SEE DETAIL 6, SHEET C11.

10' x 15' PUBLIC WATER EASEMENT TO CITY OF OAKVILLE

STA 2+48.46, 8.31' LT
8" x 6" HOT-TAP AND 6" MJ GATE VALVE W/ THRUST BLOCK

STA 2+91.56, 8.50' LT
BEGIN MOUNTABLE CEMENT CONCRETE TRAFFIC CURB
SEE DETAIL 3, SHEET C10. BEG-GRASS-LINED STORMWATER INFILTRATION SWALE, SEE DETAIL 1, SHEET C10

INSTALL 4' x 4' ASPHALT LANDING OPPOSITE CURB RAMP TO SOUTH
SEE INTERSECTION PLAN, SHEET C07

STA 1+23.79, 9.00' LT
INSTALL CURB RAMP, SEE DETAIL 4, SHEET C10

17 x 15' PUBLIC WATER EASEMENT TO CITY OF OAKVILLE

STA 2+48.46, 19.50' LT
INSTALL FIRE HYDRANT ASSEMBLY W/ 13.2 LF 6" PVC C900 WATER MAIN, SEE DETAIL 6, SHEET C11.

STA 1+23.79, 9.00' LT
INSTALL CURB RAMP, SEE DETAIL 4, SHEET C10
**W. ASH STREET IMPROVEMENTS**

**PLAN AND PROFILE**

STA 9+00 TO END

**Legend**
- Asphalt paving section
- Concrete sidewalk
- CSTC gravel to match existing roadway
- Existing power pole
- Fire hydrant

**Existing Conditions**
- Existing fence
- Existing power pole
- Fire hydrant
- Property line
- Roadway centerline alignment

**Construction Details**
- Construct 5' sidewalk, see detail 2, sheet C10
- Relocate existing fence and gate, see C02 exist. conditions and demolition plan
- Protect existing 36" Fir tree and roots
- Protect existing underground telecommunication line
- Protect existing 6" crushed depth of crushed surfacing top course to match existing driveway
- Construct 2 sidewalk, see detail 2, sheet C10

**Grading Details**
- Continuous grade to match with existing driveway
- Protect existing fence

**Profiles**

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**Grading Notes**
- Place min. 6" compacted depth of crushed asphalt pavement section to match existing driveway
- Reconstruct 5' sidewalk, see detail 2, sheet C10
- Protect existing 36" Fir tree and roots
- Protect existing underground telecommunication line

**Design Features**
- Existing fence
- Existing power pole
- Fire hydrant
- Property line
- Roadway centerline alignment

**Scale**
- Plan: 1" = 20'
- Profile: 1" = 10'
- Grading Detail: 1" = 10'
NOTE: THE ROADWAY CENTERLINE IS 0.5 FT RIGHT OF THE CENTER OF RIGHT-OF-WAY. SEE TYPICAL STREET SECTION, DETAIL 1, SHEET C10.
NOTE:
The roadway centerline is 0.5 ft right (north) of the center of right-of-way. See typical street section, detail 1, sheet C10.
Cement Concrete Traffic Curb, see detail 5 this sheet.

Concrete: 3300 PSI @ 28 days. Slump range of 1.5" to 3" max.

1. Minimum thickness shall be 4" in driveway approach areas, 3" in sidewalks. Expansion joints are required at sides of driveway approaches and at 45' intervals thereafter.

2. Minimum sidewalk thickness shall be 3.5" in drive approach areas, and 4" in sidewalks. Expansion joints are required at sides of driveway approaches and at 45' intervals thereafter.

3. Sidewalks shall be coated with approved curing compound.

4. All surfaces are to be troweled and broomed in a workmanlike manner.

5. Expansion joints are required at sides of driveway approaches and at 45' intervals thereafter.

6. Sidewalks shall comply with Americans with Disabilities Act (ADA) standards.

Minimum 2" of compacted crushed surfacing top course.

Minimum 2" of compacted crushed surfacing top course.

Protect existing fence.

Sidewalks must be removed and replaced at no cost to the owner or project proponent.

Sidewalks shall comply with Americans with Disabilities Act (ADA) standards.

Concrete: 3300 PSI @ 28 days. Slump range of 1.5" to 3" max.

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Concrete: 3300 PSI @ 28 days. Slump range of 1.5" to 3" max.
**NOTES:**
1) NOTIFY TRIBAL REPRESENTATIVE AND CITY OF OAKVILLE NO LESS THAN THREE WORKING DAYS PRIOR TO MAKING TAP AND COORDINATE WITH TRIBAL REPRESENTATIVE PRIOR TO MAKING WATER SERVICE DURING TAPPING OPERATION.
2) CONCRETE THRUST BLOCK TO BE POURED AGAINST UNDISTURBED EARTH.
3) INFILTRATION OF DIRT BETWEEN SHEETS INSTALL 12 MIL TOTAL THICKNESS.
4) PROTECT MECHANICAL JOINT FOLLOWERS POLYETHENE SHEET AROUND FITTING.
5) CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
6) SHEETING SEE NOTE 3.
7) SECURE SHEET ENDS TO PREVENT THRUST BLOCKING AT ALL TEES, BENDS AND ENDS OF PIPING.

**SCALE:**
1'-0" = 1'-0"

**HOT-TAP OF EXISTING WATER MAIN**

**FITTING SIZE**

**BENDING TEE**

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**VOLUME OF THRUST BLOCK (IN. YDS. (VERTICAL))**

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<th>Bend Angle</th>
<th>Volume</th>
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<tr>
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**THRUST BLOCK DETAIL**

**GATE VALVE WITH BOX**

**FITTING SIZE**

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<td>3&quot;</td>
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**WATER LINE TRENCH AND BACKFILL DETAIL**

**PLAN**

**ELEVATION**

**DRAWN BY:** RRJ

**DESIGNED BY:** RPK

**CHECKED BY:** HJF

**DRAWING DATE:** 03/10/2023

**CONCRETE SLAB 24" SQUARE:**

**CONCRETE THRUST BLOCK, POUR COVER 24"X24" CONCRETE COLLAR w/ 2 #4 REBAR, BENT AS SHOWN AGAINST UNDISTURBED EARTH**

**FIRE HYDRANT w/ TRAFFIC PUMPER CONNECTION WITH 5" STORZ & T TURN FITTING (NIP OF 4.5" PORT), HARRINGTON 25 - 5" OR APPROVED EQUAL**

**TRACER TAPE**

**TRACER WIRE**

**BACKFILL W/ FIRE BEDDING MATERIAL COMPACTED TO 95% PER ASTM D698**

**4" - 6" CSTC FIRE ZONE BEDDING COMPACTED TO 95% PER ASTM D698**

**WIRE & FIRE OD - 6" MIN ON EACH SIDE OF TRENCH**

**DETAILS**

W. ASH STREET IMPROVEMENTS

CLIENT

CONFEDERATED TRIBES OF THE CHEHALIS RESERVATION

420 – OAKHURST ROAD

OAKVILLE, WA 98568

6040 SE Lake Road, Ste 270

Portland, Oregon 97222

Voice 503-552-6000

6400 SE Lake Road, Ste 710

Portland, Oregon 97222

Voice 503-552-6000