123 HABEIN RD

SECTION 04 TOWNSHIP 13N RANGE 02W
CHEHALIS, WASHINGTON

PROJECT INFORMATION:

PROJECT OWNER:	MCCO INVESTMENTS LLC PO BOX 599 CHEHALIS, WA 98532–0599
SITE ADDRESS:	123 HABEIN RD CHEHALIS, WA 98532–0599
PARCEL NUMBER:	017539006000
ZONING (CITY):	COMMERCIAL INDUSTRIAL
LOTS:	1 EXISTING
SITE SOILS:	LACAMAS SILT LOAM, 0 TO 3 PERCENT SLOPES
WATER:	CITY MAIN – METERED
SANITARY SEWER:	CITY MAIN – GRAVITY
GRADING:	5100 CY FILL 3900 CY CUT

SURVEY INFORMATION:

LEGAL DESCRIPTION
SECTION 04 TOWNSHIP 13N RANGE 02W PT LJOHNSON DLC
LY S R/R R/W STURDEVANT RD & W HABEIN RD

VERTICAL DATUM
NAVD 88

BASIS OF BEARING
BEARING ARE GRID NORTH – WASH.
STATE PLANE COORD.
SOUTH ZONE

GEOTECHNICAL INFORMATION:

A GEOTECHNICAL REPORT WAS NOT PREPARED FOR THIS PROJECT. IN LIEU OF A REPORT ALL CONSTRUCTION SHALL COMPLY WITH STANDARD SPECIFICATIONS.

TOPOGRAPHIC INFORMATION:

TOPOGRAPHIC INFORMATION DEPICTED IN THESE DRAWINGS WAS PROVIDED BY BUTLER SURVEYING, INC. TOPOGRAPHIC INFORMATION WAS NOT FIELD VERIFIED BY FULLER DESIGNS.

LEGEND:

LINETYPES EXISTING	PROPOSED	DESC.
		LOT LINE
		EASEMENT
SS	SS	SEWER MAIN
		SEWER STRUCTURE
FM	FM	FORCE MAIN
ST	ST	STORM MAIN
X X		FENCING
		DITCH/SWALE
		ROAD CENTERLINE
		RIGHT OF WAY
		EDGE OF PAVEMENT
		GRAVEL SHOULDER
		CONTOUR LINE (MAJOR)
		CONTOUR LINE (MINOR)
GB	GB	GRADE BREAK LINE
		BUILDING
		BUILDING SETBACK
E	E	ELECTRICAL UNDERGROUND
OE	OE	ELECTRICAL OVERHEAD
OT	OT	TELECOMMUNICATION
G	G	GAS MAIN
W	W	WATER SYSTEM
	SF	SILT FENCE
		PROJECT AREA

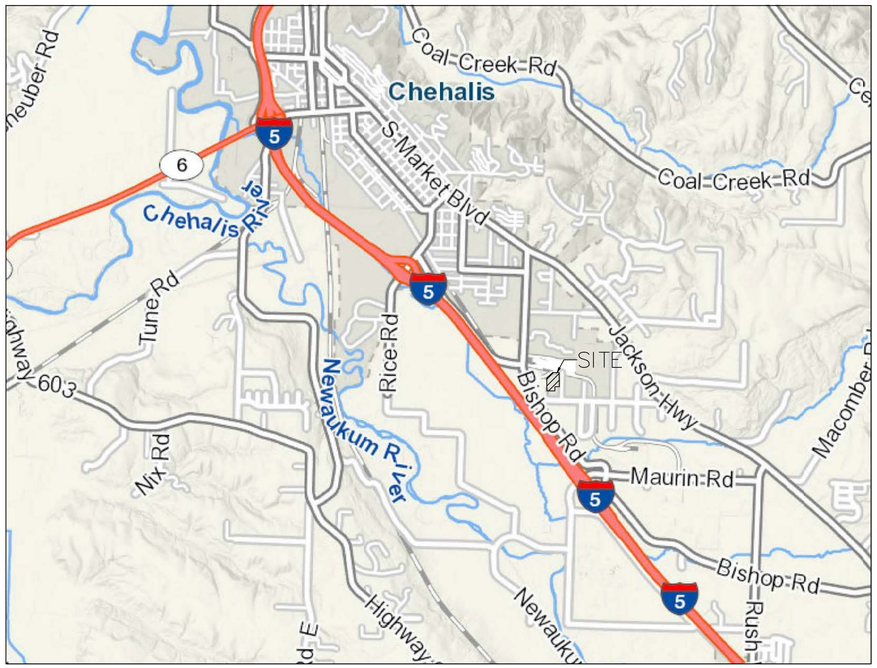
SYMBOLS:

EXISTING	PROPOSED	DESC.
		SOIL TEST PIT
		SURFACE FLOW
		SPOT ELEVATION
		SEWER MANHOLE
		CATCH BASIN
		INSPECTION PORT
		TRUST BLOCKING
		STREET LIGHT
		WATER METER BOX
		VALVE
		POLE
		HYDRANT
		ASPHALT
		GRAVEL

ABBREVIATIONS:

AC	ACRES
AC	ASPHALT CONCRETE
BCR	BEGIN CURB RETURN
BM	BENCHMARK
BVCS	BEGIN VERTICAL CURVE STATION
BCVE	BEGIN VERTICAL CURVE ELEVATION
CATV	CABLE TELEVISION
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
CY	CUBIC YARD
°	DEGREES
ø	DIAMETER
DIP	DUCTILE IRON PIPE
EE	ELECTRICAL
ECR	END CURB RETURN
EL	ELEVATION
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
EX	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
G	GAS
GB	GRADE BREAK
GM	GAS METER
GV	GATE VALVE
HP	HIGH POINT
K	CALCULATED CURVE VALUE
L	LENGTH
LCV	LENGTH VERTICAL CURVE
LF	LINEAR FEET
M	METER
MH	MAN HOLE
MJ	MECHANICAL JOINT
NFC	NOT FOR CONSTRUCTION
OHP	OVER HEAD POWER
P	POWER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
POB	POINT OF BEGINNING
POC	POINT OF CONNECTION
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PVC	POLY–VINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RFC	RELEASED FOR CONSTRUCTION
R/W	RIGHT OF WAY
RD	ROOF DRAIN
S	SLOPE
SF	SQUARE FOOT
SD	STORM DRAIN
SS	SANITARY SEWER
ST	STORM
STA	STATION
STEP	SEPTIC TANK EFFLUENT PUMP
DTL	STANDARD DETAIL
T	TELEPHONE
TB	THRUST BLOCK
TC	TOP OF CURB/CONCRETE
TESC	TEMPORARY EROSION AND SEDIMENT CONTROL
TG	TOP OF GRATE
TYP	TYPICAL
UGP	UNDERGROUND POWER
W	WATER
WM	WATER METER
WV	WATER VALVE
±	APPROXIMATELY
%	PERCENT
Δ	DELTA

VICINITY MAP



DRAWING CONTENTS:

UTILITIES LOCATE NOTE:

EXISTING UTILITIES LOCATION SHOWN IN THIS PLAN SET IS BASED ON INFORMATION OBTAINED FROM VARIOUS RECORDS RESEARCH, ASBUILT DATA, AND FIELD MEASUREMENTS. FULLER DESIGNS ASSUMES NO RESPONSIBILITY FOR EXACT LOCATION OF UTILITIES EITHER SHOWN OR NOT SHOWN IN THESE DRAWINGS. CONTRACTOR SHALL VERIFY THE EXACT SIZE, DEPTH, LOCATION, AND ARRANGEMENT OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL UNDERGROUND LOCATE AT 811 PRIOR TO PERFORMING CONSTRUCTIONS ACTIVITIES.

APPROVED FOR CONSTRUCTION

BY _____ DATE _____
PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

PROJECT SPECIFICATIONS:

THE WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, 2020 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) (HEREAFTER "STANDARD SPECIFICATIONS").

ALSO INCORPORATED INTO THESE CONTRACT DOCUMENTS BY REFERENCE ARE:

A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
B. CITY ROAD STANDARDS
C. CITY DRAINAGE STANDARDS
D. THE INTERNATIONAL BUILDING CODE (IBC)

CURRENT EDITIONS OF THESE STANDARDS SHALL BE USED WHICH EXIST ON THE DATE OF CONTRACT ACCEPTANCE.

CONTRACTOR SHALL OBTAIN COPIES OF THESE PUBLICATION AT CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SUPPLIES AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THESE DRAWINGS. ONCE WORK IS COMPLETED CONTRACTOR SHALL OBTAIN ACCEPTANCE BY THE COUNTY AND PROJECT ENGINEER.

THE INTENT OF THESE DRAWINGS IS TO PRESCRIBE A COMPLETE PROJECT. OMISSIONS FROM THE DRAWINGS OF DETAIL OF WORK WHICH IS NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING THE OMITTED WORK.

ANY PROPOSED ALTERATIONS BY THE CONTRACTOR AFFECTING THE REQUIREMENTS AND INFORMATION IN THESE DRAWINGS SHALL BE IN WRITING AND WILL REQUIRE APPROVAL OF THE ENGINEER AND INSPECTOR.

WORK IN RIGHT OF WAY:

CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO COMMENCING ANY WORK LOCATED IN RIGHT OF WAY. ALL WORK PERFORMED IN THE RIGHT OF WAY SHALL ADHERE TO DRAWINGS, STANDARD SPECIFICATIONS, AND REQUIREMENTS OUTLINED IN THE RIGHT OF WAY PERMIT.

RECORD DRAWINGS:

FULLER DESIGNS IS REQUIRED BY THE CITY TO PROVIDE RECORD DRAWING CERTIFICATION PRIOR TO FINAL CITY ACCEPTANCE. FULLER DESIGNS WILL NOT CERTIFY RECORD DRAWINGS WITHOUT INSPECTION OF BELOW GRADE UTILITIES AND STRUCTURES. PRIOR TO BACKFILLING, CONTRACTOR SHALL NOTIFY FULLER DESIGNS OF NECESSARY INSPECTIONS.

CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD AND NOTIFY ENGINEER OR INSPECTOR OF INCONSISTENCIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ONE SET OF THE CONTRACT DRAWINGS THAT SHALL INCLUDE: ANY ALTERATIONS OR LOCATION OF UNDERGROUND UTILITIES ENCOUNTERED DURING THE PROGRESS OF THE PROJECT, ANY ALTERATIONS MADE TO THE IMPROVEMENTS BEING INSTALLED. MARKED DRAWINGS SHALL BE CLEAR AND LEGIBLE. DRAWINGS SHALL BE MARKED "RECORD DRAWINGS" AND SHALL BE SUBMITTED TO THE ENGINEER UPON PROJECT COMPLETION.

CONTRACTOR LIABILITY NOTE:

CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY THROUGHOUT PROJECT EXECUTION AND NOT BE LIMITED TO WORKING HOURS. CONTRACTOR SHALL PROGRESS WORK IN A MANOR THAT SHALL INDEMNIFY AND HOLD FULLER DESIGNS HARMLESS FROM ALL LIABILITY IN CONNECTION WITH CONTRACTOR'S PERFORMED WORK.

REMOVAL OF UNSUITABLE MATERIALS:

IF UNSUITABLE MATERIALS AS DEFINED BY THE STANDARD SPECIFICATIONS ARE ENCOUNTERED, THIS MATERIAL SHALL BE REMOVED TO THE DEPTH REQUIRED BY THE ENGINEER OR INSPECTOR AND REPLACED WITH SUITABLE MATERIAL.

UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE AND HAULED TO A WASTE SITE OBTAINED BY THE CONTRACTOR. PRIOR TO REMOVAL, CONTRACTOR SHALL NOTIFY PROJECT OWNER SO MEASUREMENT/PAYMENT CAN BE MADE PER TON OF UNSUITABLE MATERIAL REMOVED.

EROSION CONTROL NOTE:

EROSION CONTROL MEASURES ARE NOT LIMITED TO THE ITEMS ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES. NO SILTATION OF EXISTING OR PROPOSED DRAINAGE STRUCTURES WILL BE PERMITTED. CARE SHALL BE TAKEN TO PREVENT MIGRATION OF SOILS TO ADJACENT PROPERTIES. DISTURBED EARTH SHALL BE STABILIZED AS REQUIRED BY THE STANDARD SPECIFICATIONS. INDIVIDUAL DESIGNATED TO MONITOR EROSION CONTROL FACILITIES DURING CONSTRUCTION SHALL HAVE CESCL CERTIFICATION.

GENERAL NOTES:

CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ADJACENT PROPERTY OWNERS, DRIVEWAYS AND UTILITY SERVICES SHALL REMAIN ACCESSIBLE AT ALL TIMES.

AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL PRE–CONSTRUCTION STATE OR BETTER UPON COMPLETION OF WORK.

DRAWING TITLE: CIVIL COVER SHEET
SCALE: AS SHOWN | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF
PROJECT NAME: 123 HABEIN RD

06/08/2021
LAMON L. FULLER — STATE OF WASHINGTON — 49455 — REGISTERED PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

C0.1

SECTION 04 TOWNSHIP 13N RANGE 02W

PARKING NOTES

EXISTING BUILDING USE IS IDENTIFIED AS PERSONAL SERVICE FACILITY.

CMC 17.78 REQUIRES 3 STALLS PER 1000 SF.

FINISHED FLOOR AREA OF EXISTING BUILDING IS 1413 SF REQUIRING 4.2 PARKING STALLS.

7 STALLS HAVE BEEN PROVIDED.

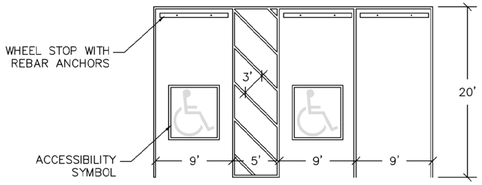
FUTURE SHOP BUILDING USE IS IDENTIFIED AS MOTOR VEHICLE REPAIR GARAGE

CMC 17.78 REQUIRES 5 STALLS PER 1000 SF.

FUTURE SHOP BUILDING WILL HAVE UP TO 10,000 SF REQUIRING UP TO 50 STALLS.

PARKING STALLS HAVE NOT BEEN SHOWN FOR THIS BUILDING SINCE FINAL BUILDING FOOTPRINT IS NOT YET DETERMINED.

NUMBER OF PARKING STALLS FOR FUTURE SHOP WILL BE PROVIDED IN ACCORDANCE CMC 17.78 AND ARRANGEMENT DESCRIBED IN CMC 17.84.



PARKING STALL STRIPING DETAIL

N.T.S.

EROSION CONTROL NOTE

EROSION CONTROL MEASURES TO BE INSTALLED WHERE SHOWN ON PLAN. IF SEDIMENT LADEN WATER IS FLOWING FROM SITE INSTALL ADDITIONAL SILT FENCE OR OTHER MEASURES AS NEEDED. SEE DETAIL ON SHEET C1.2.

ALL EROSION CONTROL MEASURES ARE TO BE MONITORED AND MAINTAINED BY PROPERTY OWNER. THIS INCLUDES ROUTINELY CHECKING SILT FENCE, STRAW BALES ETC. IF FOUND TO BE BACKING UP RUN OFF MEASURES MUST BE REPLACED TO ALLOW PROPER FLOW OF RUN OFF TO ENSURE PROPER EROSION CONTROL.

CONSTRUCTION SEQUENCE

1. THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION CONFERENCE WITH THE CITY OF CHEHALIS.
2. STAKE, FLAG OR CLEARLY MARK LIMITS OF CONSTRUCTION.
3. INSTALL EROSION CONTROL MEASURES PER EROSION CONTROL PLAN.
4. CLEAR AREA OF CONSTRUCTION AND PROPERLY DISPOSE OF ALL DEBRIS.
5. INSTALL FIXTURES OR FEATURES NOTED IN PLANS AND DETAILS.
6. HYDROSEED OR OTHERWISE STABILIZE ALL EXPOSED SOILS PER THE EROSION CONTROL NOTES.
7. RESTORE PAVEMENT PER APPLICABLE NOTES AND DETAILS.
8. REMOVE EROSION CONTROL FEATURES ONLY AFTER EROSION HAZARDS HAVE PASSED.
9. ONCE PROJECT IS COMPLETED. PROVIDE ENGINEER WITH AS-BUILT RECORDS.

SEEDING EXPOSED SOIL AREAS

1. SEEDING MIXTURE SHALL BE APPLIED AT THE RATE OF 120 POUNDS PER ACRE.
2. SEED BEDS PLANTED BETWEEN MAY 1 AND OCTOBER 31 WILL REQUIRE IRRIGATION AND OTHER MAINTENANCE AS NECESSARY TO FOSTER AND PROTECT THE ROOT STRUCTURE.
3. FOR SEED BEDS PLANTED BETWEEN OCTOBER 31 AND APRIL 30 ARMORING OF THE SEED BED WILL BE NECESSARY. (E.G., GEOTEXTILES, JUTE MAT, CLEAR PLASTIC COVERING).
4. BEFORE SEEDING, INSTALL NEEDED SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKES, SWALES, LEVEL SPREADERS AND SEDIMENT BASINS.
5. THE SEEDBED SHALL BE FIRM WITH A FAIRLY FINE SURFACE, FOLLOWING SURFACE ROUGHENING. PERFORM ALL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE.
6. FERTILIZERS ARE TO BE USED ACCORDING TO SUPPLIERS RECOMMENDATIONS. AMOUNTS USED SHOULD BE MINIMIZED, ESPECIALLY ADJACENT TO WATER BODIES AND WETLANDS.
7. ALL EXPOSED SOIL SURFACES SHALL BE SEEDED WITH AN EROSION CONTROL SEED MIX OR HYDROSEEDED IF NOT WORKED WITHIN 7 CALENDAR DAYS.
8. SEEDED AREAS WILL BE COVERED WITH MULCH, HAY OR OTHER PROTECTIVE COVERING APPROVED BY THE ENGINEER TO PREVENT WASHOUT DURING RAIN EVENTS.
9. CONTRACTOR SHALL APPLY WATER TO GRAVEL SURFACES DURING CONSTRUCTION TO MINIMIZE FUGITIVE DUST.

APPROVED FOR CONSTRUCTION

BY _____ DATE _____

PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

DRAWING TITLE: OVERALL SITE, DEMOLITION AND EROSION CONTROL PLAN

SCALE: 1"=40' | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF

PROJECT NAME: 123 HABEIN RD

06/08/2021

AARON L. FULLER — STATE OF WASHINGTON — 49455 — REGISTERED PROFESSIONAL ENGINEER

EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

C1.1

SECTION 04 TOWNSHIP 13N RANGE 02W

General Notes (Erosion Control)

1. Erosion control measures will be in place prior to the beginning of construction. A representative from the City will inspect and approve the erosion control measures prior to the start of construction.

2. Erosion control measures are not limited to the items on this plan. The contractor is responsible for the installation and maintenance of all erosion measures, as required under the most recent version of the Chehalis Stormwater Management Plan. Care will be taken to prevent migration of silt and/or polluted runoff to off-site properties.

3. The contractor will make regular surveillance of all erosion control measures. In addition, erosion control will be thoroughly inspected after each rainfall event. The contractor will make all necessary repairs, modifications, and additions, as necessary to ensure the proper operation of the erosion control measures. The city may require more frequent inspections of erosion control measures by the contractor should site or weather conditions dictate.

4. During the wet season, November through March, all disturbed soils will be stabilized within forty-eight (48) hours after land disturbance activities have ceased. Erosion control measures will include, but are not limited to, installation of straw matting, jute matting, straw mulch and/or wood chips, and covering the affected area and spoil piles with plastic sheeting.

5. The contractor will check all seeded or sodded areas regularly to ensure that the vegetative cover is being adequately established. Areas will be repaired, reseeded, and fertilized as required.

6. Tracking of soil off-site will not be allowed. If any soil is tracked beyond the limits of the site, it will be removed before the end of that working day. To prevent additional tracking, vehicle tires must be swept or washed prior to leaving the project site.

7. No more than 500 lineal feet (LF) of trench on a down-slope of more than five (5) percent will be opened at one time.

8. Excavated material will be placed on the uphill side of trenches.

9. Excavated material will not be placed in established drainage ditches, under any circumstances.

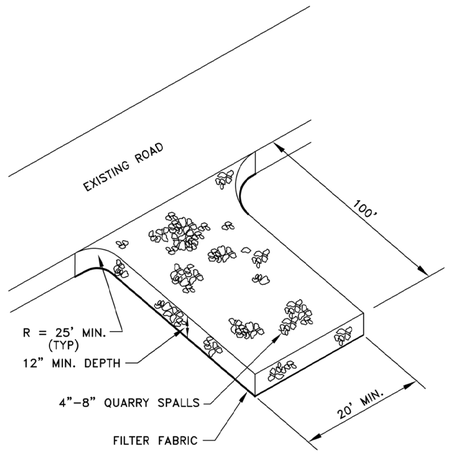
10. Trench dewatering devices will be discharged in a manner that will not adversely affect flowing streams, drainage systems, or off-site properties. An established sediment trap will be used as the receiver for all trench dewatering operations.

11. All disturbed areas will be seeded or sodded upon completion of work. The contractor will be responsible to ensure that complete coverage of the disturbed areas is provided and that growth of vegetation is established. Seed and sod applications will be conducted in accordance with the timelines noted in the most recent edition of the WSDOT Standard Specifications.

12. All erosion control will remain in place until such time as the site is adequately stabilized. Prior to removal of erosion control measures, the Engineering Division will be notified for final inspection and approval.

City of Chehalis

GENERAL NOTES (EROSION CONTROL)



DRAWING NOT TO SCALE

City of Chehalis

STABILIZED CONSTRUCTION ENTRANCE

APPROVED BY	DWG. NO.
	3-2
	REVISED DATE
CITY ENGINEER	1/02/2003

Biofiltration Swale and Stormwater Pond Approved Grasses

Grass Seed Mixes Suitable for Pond and Swale Treatment Areas

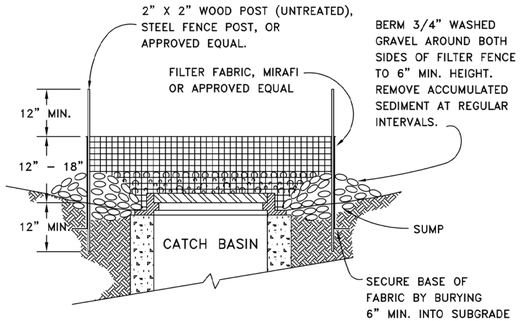
Mix 1		Mix 2	
75-80 percent	tall or meadow fescue	60-70 percent	tall fescue
10-15 percent	seaside/colonial bentgrass	10-15 percent	seaside/colonial bentgrass
5-10 percent	Redtop	10-15 percent	meadow foxtail
	tall or meadow fescue	6-10 percent	alsike clover
		1-5 percent	marshfield big trefoil
		1-6 percent	Redtop

*Note: all percentages are by weight. * based on Briargreen, Inc.*

Groundcovers and Grasses Suitable for the Upper Side Slopes of Ponds and Swales

Groundcovers	
kinnikinnick*	*Arctostaphylos uva-ursi*
St. John's-wort	*Hypericum perforatum*
Epimedium	*Epimedium gradiflorum*
creeping forget-me-not	*Omphalodes verna*
--	*Euonymus lanceolata*
yellow-root	*Xanthorhiza simplissima*
--	*Genista*
white lawn clover	*Trifolium repens*
white sweet clover*	*Melilotus alba*
--------	*Rubus calycinoides*
strawberry*	*Fragaria chiloensis*
broadleaf lupine*	*Lupinus latifolius*
Grasses (drought-tolerant, minimum mowing)	
dwarf tall fescues	*Festuca spp. (e.g., Many Mustang, Silverado*
hard fescue	*Festuca ovina duriuscula (e.g., Reliant, Aurora)*
tufted fescue	*Festuca amethystine*
buffalo grass	*Buchloe dactyloides*
red fescue*	*Festuca rubra*
tall fescue grass*	*Festuca arundinacea*
blue oatgrass	*Helictotrichon sempervirens*

APPROVED BY	REVISED DATE		
CITY ENGINEER	06/2017	APPROVED GRASSES FOR BIOFILTRATION SWALE and STORMWATER POND	9-12

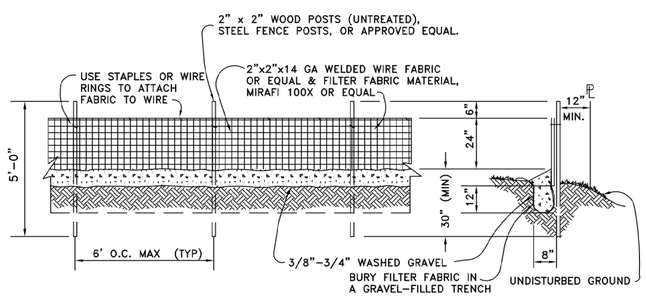


DRAWING NOT TO SCALE

City of Chehalis

FILTER FABRIC CATCH BASIN PROTECTION

APPROVED BY	DWG. NO.
	3-5
	REVISED DATE
CITY ENGINEER	1/02/2003



NOTES:

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH MINIMUM 6-INCH OVERLAP, AND SECURELY FASTENED @ BOTH ENDS.
2. A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1-INCH LONG, TIE WIRES, OR HOG RINGS. THE WIRE WILL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES & SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
3. WHEN EXTRA-STRENGTH FILTER FABRIC & 4-FOOT MAXIMUM POST SPACING IS USED, THE WIRE MESH FENCE MAY BE ELIMINATED. IN SUCH CASES, THE FILTER FABRIC WILL BE STAPLED OR WIRED DIRECTLY TO THE POSTS W/ ALL OTHER PROVISIONS STILL APPLYING.
4. SILT FENCE SHALL NOT BE MOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
5. SILT FENCING SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL & AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

DRAWING NOT TO SCALE

City of Chehalis

TEMPORARY SILT FENCE

APPROVED BY	DWG. NO.
	3-4
	REVISED DATE
CITY ENGINEER	1/02/2003

APPROVED FOR CONSTRUCTION

BY _____ DATE _____

PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

DRAWING TITLE: EROSION CONTROL NOTES AND DETAILS

SCALE: N.T.S. | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF

PROJECT NAME: 123 HABEIN RD

06/08/2021

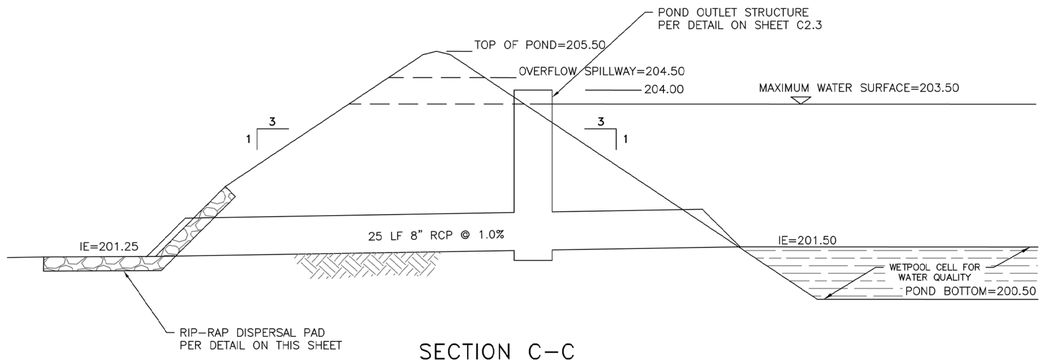
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

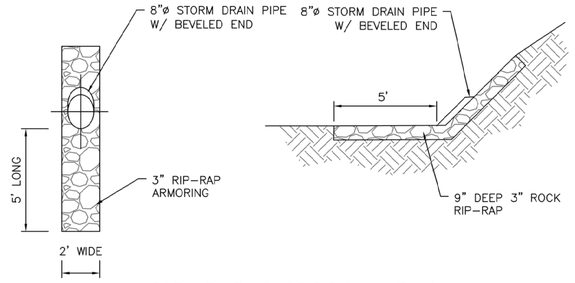
REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

C1.2

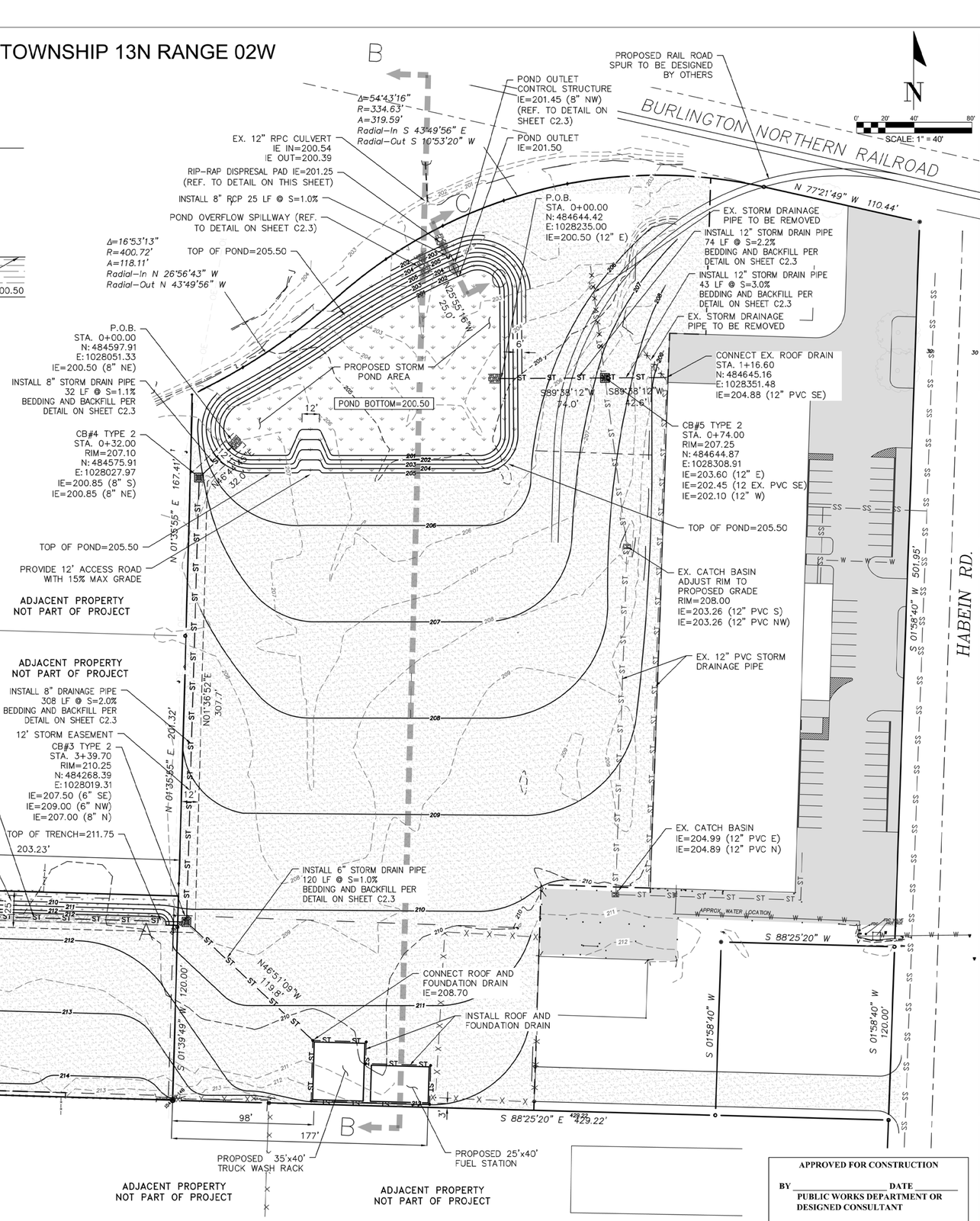
SECTION 04 TOWNSHIP 13N RANGE 02W



SECTION C–C
NOT TO SCALE



RIP–RAP DISPERSAL PAD
NTS



DRAWING TITLE:	GRADING, DRAINAGE AND STORM POND PLAN
SCALE:	1"=40'
DATE:	6/04/21
DRAWN:	PM
DESIGNED BY:	SA
CHECKED:	AF
PROJECT NAME:	123 HABEIN RD

06/08/2021
AARON L. FULLER
STATE OF WASHINGTON
49455
REGISTERED
PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

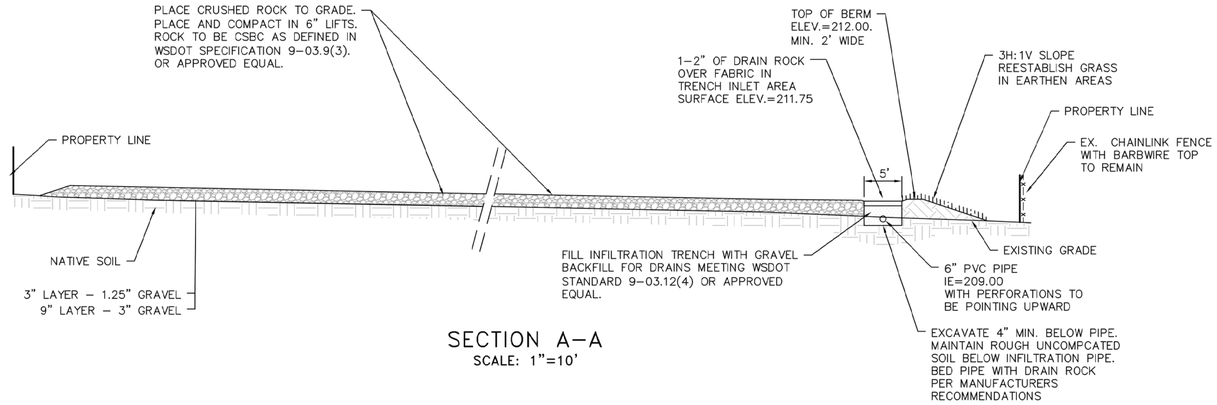
REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

APPROVED FOR CONSTRUCTION

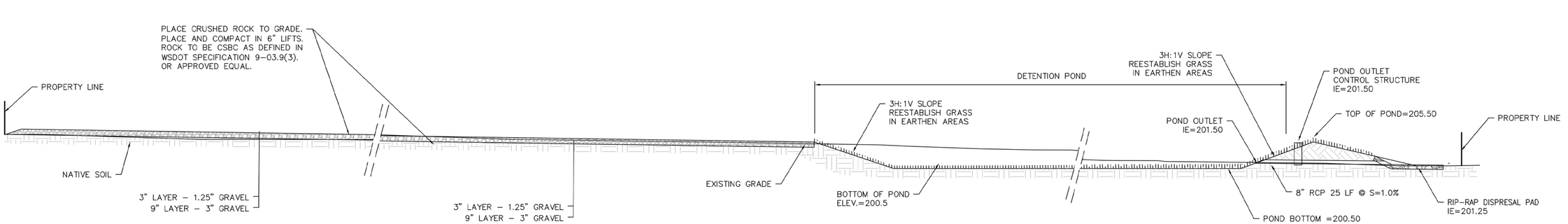
BY _____ DATE _____
PUBLIC WORKS DEPARTMENT OR
DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

C2.1



SECTION A-A
SCALE: 1"=10'



SECTION B-B
SCALE: 1"=10'

DRAWING TITLE: DRAINAGE NOTES AND DETAILS

SCALE:	DATE:	DRAWN:	DESIGNED BY:	CHECKED:
1"=40'	6/04/21	PM	SA	AF

PROJECT NAME: 123 HABEIN RD

06/08/2021
AARON L. FULLER
STATE OF WASHINGTON
49455
REGISTERED
PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

APPROVED FOR CONSTRUCTION
BY _____ DATE _____
PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT
APPROVAL EXPIRES: _____

C2.2

General Notes (Storm Drain Construction)

1. All workmanship and materials will be in accordance with the City of Chehalis Public Works Standards and the most recent copy of the State of Washington Standard Specifications for Road, Bridge and Municipal Construction (WSDOT/APWA).

2. Temporary erosion/water pollution measures will be required in accordance with the Stormwater Management Plan and Section 1-07.15 of the Standard Specifications.

3. Comply with all other permits and requirements of the City of Chehalis and/or other governing authorities or agencies.

4. A pre-construction meeting will be held with the Public Works Department and the Engineering Division prior to the start of construction.

5. All storm mains and retention/detention areas will be staked for grade and alignment by an engineering or surveying firm capable of performing such work.

6. Storm drainpipe will meet the following requirements:
   a. Plain concrete pipe conforming to the requirements of AASHTO M86 Class 2.
   b. Reinforced concrete pipe conforming to the requirements of AASHTO M 170.
   c. PVC pipe conforming to ASTM D 3034 SDR 35 or ASTM F794 or ASTM F679 Type 1 with joints and gaskets conforming to ASTM D3212 and ASTM F 477.
   d. Ductile iron pipe conforming to the requirements of AWWA C 151, thickness class as shown on the plans.
   e. High-density polyethylene smooth interior pipe conforming to AASHTO M252 types or AASHTO M294 type S, with a gasketed bell and spigot oints.
   f. Aluminized steel helical or spiral rib pipe in diameters of thirty (30 inches or greater, with a Manning's value of 0.020 or less.

7. Special structures, oil/water separators and outlet controls will be installed per plans and manufacturers recommendations.

City of Chehalis

GENERAL NOTES (STORM DRAIN CONSTRUCTION)

General Notes (Storm Drain Construction cont.)

8. Provide traffic control plan(s) as required in accordance with MUTCD to the Public Works Department. Traffic control plans must be approved prior to the start of construction.

9. Call the Utilities Underground Location Center at 1-800-424-5555 a minimum of two (2) business days prior to any excavations.

10. Where connections require "field verifications", the contractor will expose connection points and verify necessary fittings two (2) business days prior to initiating the work.

11. All storm lines and catchbasins will be high-velocity cleaned and pressure tested in accordance with Divison 7 of the Standard Specifications prior to paving. Hydrant flushing of the lines is not an acceptable cleaning method. Testing of the storm main will include television inspection at the contractor's expense. The City Engineer will determine whether the inspection will be performed by the city or by a representative of the contractor under the city's direction. Testing will take place after all underground utilities are installed and compaction of the roadway subgrade is completed.

12. Fill placement will not be allowed in any open channel used for storm conveyance without written approval from the City Engineer.

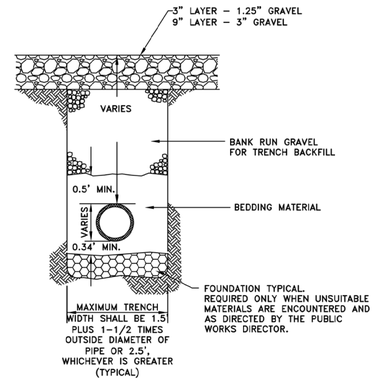
13. Contractors and/or property owners are required to channel water when installing or repairing a driveway. Water maybe channeled with a berm or a pipe. Stormwater must be diverted to city storm mains when possible.

14. The city must be notified a minimum of two (2) business days in advance of a tap connection to an existing man. A representative from the city must be present at the time of the tap.

15. Prior to backfill, all mains and appurtenances will be inspected and approved by a city inspector. Approval does constitute final acceptance of the sewer line. The contractor will retain responsibility of repairing all deficiencies and failures revealed during required testing for acceptance and throughout the duration of the warranty. It is the contractor's responsibility to notify the city in advance of all required inspections. Any main or appurtenance backfilled prior to inspection will be re-excavated for inspection at no cost to the city.

City of Chehalis

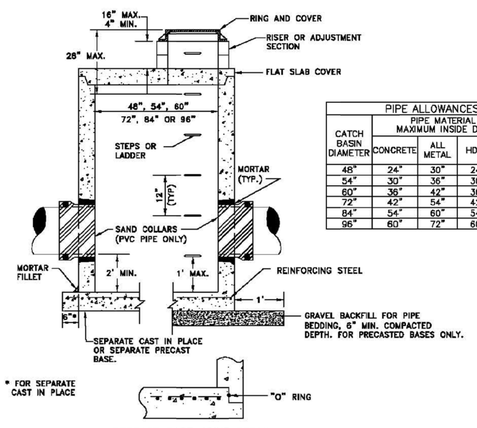
GENERAL NOTES (STORM DRAIN CONSTRUCTION CONT.)



NOTES:
1. ALL MATERIALS EXCEPT A.C.P. AND BEDDING MATERIAL SHALL BE COMPACTED IN 6-INCH MAXIMUM LIFTS TO 95% DENSITY.
2. BEDDING SHALL CONFORM TO SECTION 9-03.16 OF STANDARD SPECIFICATIONS AS AMENDED BY CITY OF CHEHALIS STANDARDS.
3. COMPACTION: BEDDING SHALL BE COMPACTED TO 95% MAX. AS DETERMINED BY ASTM D1557. BACKFILL SHALL BE COMPACTED TO 85% IN UNPAVED AREA, AND 95% IN PAVED OR SHOULDER AREAS AS DETERMINED BY ASTM D1557.
4. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH THE MOST RECENT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AS AMENDED BY CITY OF CHEHALIS PUBLIC WORKS STANDARDS.
5. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.

BEDDING AND BACKFILL DETAILS
NTS

CATCH BASIN DIMENSIONS						
CATCH BASIN DIAMETER	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS	BASE REINFORCING STEEL in²/ft IN EACH DIRECTION	
					INTEGRAL	SEPARATE
48"	4"	6"	36"	8"	0.15	0.23
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25
72"	6"	8"	60"	12"	0.24	0.35
84"	8"	12"	72"	12"	0.29	0.39
96"	8"	12"	84"	12"	0.29	0.39



PRECAST BASE JOINT DETAIL

PIPE ALLOWANCES				
CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER			
	CONCRETE	ALL METAL	HDPE	SOLID WALL PVC
48"	24"	30"	24"	27"
54"	30"	36"	30"	27"
60"	36"	42"	36"	36"
72"	42"	54"	42"	36"
84"	54"	60"	54"	36"
96"	60"	72"	60"	36"

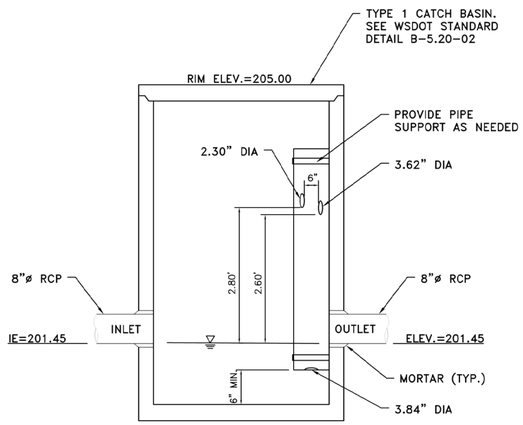
NOTES:
1. NO STEPS ARE REQUIRED WHEN THE HEIGHT IS 4' OR LESS.
2. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM. TO 2.5" MAXIMUM. PROVIDE A 1.5" MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR.
3. THE BOTTOM OF THE PRECAST BASIN MAY BE SLOPED TO FACILITATE CLEANING.
4. FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.

Drawing Not to Scale

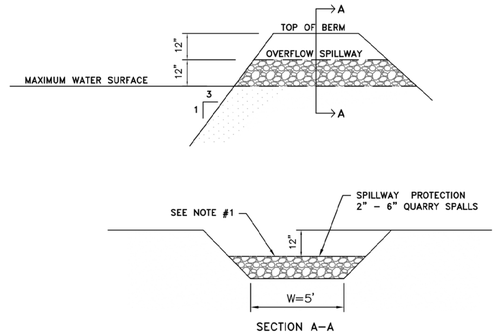
City of Chehalis

CATCH BASIN
TYPE 2

APPROVED BY	DWG. NO.
	3-9
	REVISED DATE
CITY ENGINEER	4/14/2005



POND OUTLET DETAIL
NTS



SECTION A-A

NOTES:
1. ALL DIMENSIONS SHOWN ON DETAIL ARE MINIMUS.
2. OUTLET SIDE OF BERM TO BE ARMORED WITH QUARRY SPALLS FOR WITH OF SPILLWAY.

SPILLWAY DETAIL
NTS

APPROVED FOR CONSTRUCTION

BY _____ DATE _____
PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

DRAWING TITLE: DRAINAGE NOTES AND DETAILS
SCALE: N.T.S. | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF
PROJECT NAME: 123 HABEIN RD

06/08/2021
AARON L. FULLER
STATE OF WASHINGTON
49455
REGISTERED
PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

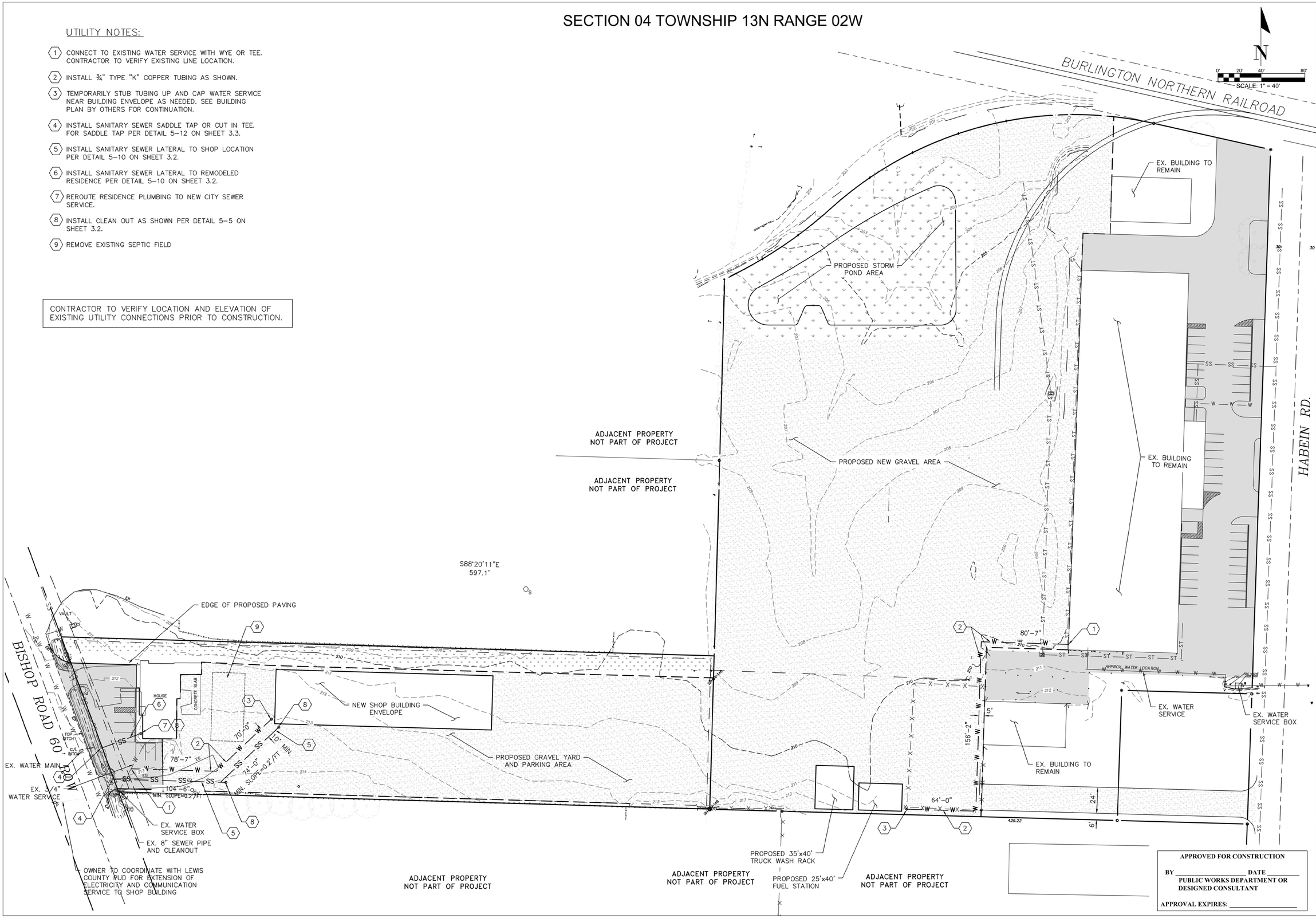
C2.3

UTILITY NOTES:

1. CONNECT TO EXISTING WATER SERVICE WITH WYE OR TEE. CONTRACTOR TO VERIFY EXISTING LINE LOCATION.
2. INSTALL ¾" TYPE "K" COPPER TUBING AS SHOWN.
3. TEMPORARILY STUB TUBING UP AND CAP WATER SERVICE NEAR BUILDING ENVELOPE AS NEEDED. SEE BUILDING PLAN BY OTHERS FOR CONTINUATION.
4. INSTALL SANITARY SEWER SADDLE TAP OR CUT IN TEE. FOR SADDLE TAP PER DETAIL 5-12 ON SHEET 3.3.
5. INSTALL SANITARY SEWER LATERAL TO SHOP LOCATION PER DETAIL 5-10 ON SHEET 3.2.
6. INSTALL SANITARY SEWER LATERAL TO REMODELED RESIDENCE PER DETAIL 5-10 ON SHEET 3.2.
7. REROUTE RESIDENCE PLUMBING TO NEW CITY SEWER SERVICE.
8. INSTALL CLEAN OUT AS SHOWN PER DETAIL 5-5 ON SHEET 3.2.
9. REMOVE EXISTING SEPTIC FIELD

CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING UTILITY CONNECTIONS PRIOR TO CONSTRUCTION.

SECTION 04 TOWNSHIP 13N RANGE 02W



DRAWING TITLE: UTILITY PLAN AND PROFILE
SCALE: 1"=40' | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF
PROJECT NAME: 123 HABEIN RD

06/08/2021
AARON L. FULLER
STATE OF WASHINGTON
49455
REGISTERED PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

APPROVED FOR CONSTRUCTION
BY _____ DATE _____
PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT
APPROVAL EXPIRES: _____

C3.1

General Notes (Sanitary Sewer Main Installation)

1. All workmanship and materials will be in accordance with City of Chehalis Standards and the most recent copy of the State of Washington Standard Specifications for Road, Bridge and Municipal Construction (WSDOT/APWA).
2. City of Chehalis datum will be used for all vertical control. A list of benchmarks is available at the Public Works Department.
3. All approvals and permits required by the City of Chehalis, will be obtained by the contractor prior to the start of construction.
4. If construction is to take place in the County right-of-way, the contractor will notify the County and obtain all the required approvals and permits.
5. A pre-construction meeting will be held with the Public Works Department and the Engineering Division prior to the start of construction.
6. The Engineering Division will be notified a minimum of two (2) business days in advance of a tap connection to an existing main. A city inspector will be present at the time of the tap.
7. The contractor will be fully responsible for the location and protection of all existing utilities. The contractor will verify all utility locations prior to construction by calling the Utilities Underground Location Center at 1-800-424-5555 a minimum of two (2) business days prior to any excavation.
8. All sewer mains will be field staked for grades and alignment by a licensed engineering or surveying firm qualified to perform such work. Staking will be maintained throughout construction.
9. All pipe and services will be installed with continuous tracer tape placed twelve (12) to eighteen (18) inches under the proposed finished subgrade. The marker will be of plastic non-biodegradable, metal core or backing marked "SEWER" that can be detected by a standard metal detector. If visibility cannot be maintained between structures along the straight alignment of a sewer, toning wire will be installed above the sewer line at a depth no greater than 48 inches. Tape will be Terra Tape "D" or an approved equal. In addition, STEP mains, force mains, and curvilinear sewers will be installed with toning wire taped to the top of the pipe to prevent movement during backfill. If toning wire is required, it will be UL listed, type UF, 14-gauge copper. The wire will be laid loosely enough to prevent stretching and damage. The wire will be wrapped to a manhole or cleanout rings on gravity sewer or valve body on STEP mains. Rev.07/2005 Page 12 of 40 A 1-lb magnesium anode will be buried with the pipe every 1,000 linear feet maximum for cathodic protection of the wire. Toning wire splices and connections to anodes will join wires both mechanically and electrically and will employ epoxy resin or heat-shrink tape insulation. Toning wire will be tested prior to acceptance of the pipe system. A written notice from the contractor to the city two (2) business days prior to testing is required. On a curvilinear sewer, the wire will be brought up, bared and wrapped three (3) times around the manhole ring. The tape and wire will be furnished and installed by the contractor.

City of Chehalis

GENERAL NOTES (SANITARY SEWER MAIN INSTALLATION)

General Notes (Sanitary Sewer Main Installation cont.)

10. Bedding of the sewer main and compaction of the backfill material will be required in accordance with the above specification (See General Note 1)
11. All manholes and cleanouts outside the paved area will be installed in accordance with Standard Drawings 5.3 and 5.5.
12. When temporary street patching is allowed by the city, cold mix asphalt will be placed to a maximum depth of one (1) inch. The contractor will be responsible for maintenance as required by the city.
13. Erosion control measures conforming to the most recent version of the City of Chehalis Stormwater Management Plan and Chapter 3 of these Standards will be taken by the contractor during construction to prevent infiltration of existing and proposed storm drainage facilities and roadways.
14. Provide traffic control plan(s) in accordance with the Manual on Uniform Traffic Control Devices (MUTCD) as required.
15. It will be the responsibility of the contractor to have a copy of the approved construction plans on-site at all times. "Approved" plans, are typically signified by the signature of the Public Works Department or designated consultant and the Director of Public Works.
16. Any changes to the design will first be reviewed and approved by the developer's project engineer, the Public Works Department or designated consultant and the Director of Public Works prior to implementation.
17. Prior to backfill, all mains and appurtenances will be inspected and approved by a city inspector. Approval does constitute final acceptance of the sewer line. The contractor will retain responsibility to repair all deficiencies and failures revealed during all required testing for acceptance and throughout the duration of the warranty. It is the contactor's responsibility to notify the Engineering Division in advance of all required inspections. Any main or appurtenance backfilled prior to inspection will be re-excavated for inspection at no cost to the city.

City of Chehalis

GENERAL NOTES (SANITARY SEWER MAIN INSTALLATION CONT.)

General Notes (Watermain Installation)

1. All workmanship and material will be in accordance with City of Chehalis Standards and the most recent copy of the WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction, American Water Works Association (AWWA) Standards and ANSI/NSF Standard 60 or 61.

2. A pre-construction meeting will be held with the Public Works Department and the Engineering Division prior to the start of construction.

3. All watermains will be ductile iron cement mortar lined thickness Class 52.

4. Gate valves will be resilient wedge, NRS (non-rising stem) with O rings seals. Valve ends will be mechanical joint or ANSI flanges. Valves will conform to AWWA 509-80. Valves will be Mueller, M & H, Kennedy, Clow R/W or American Flow Control Series 2500. Existing valves and all valves installed directly to and connected to a portion of the active water system are to be operated by city employees only.

5. Fire hydrants will be Mueller Centurion A-423, M & H Reliant style 29, Clow Medallion, or Kennedy Guardian K81D, Waterous Pacer Model WB-67-250 or AVK 2780. Hydrants will be installed in accordance with the most recent version of the Uniform Fire Code. Hydrants will be bagged and the connecting gate valves left closed until the system has been approved. Hydrants must be painted with sunburst yellow high-grade enamel after installation.

6. All lines will be chlorinated and tested in conformance with the above referenced specifications. (see Note 1)

7. All pipes and services will be installed with continuous tracer tape placed twelve (12) to eighteen (18) inches under the proposed finished subgrade. The marker will be of plastic non-biodegradable, metal core, or backing marked "water" that can be detected by a standard metal detector. Tape will be Terra Tape "D" or approved equal. In addition to tracer tape, toning wire will be installed over all pipe and services. Toning wire will be UL listed, type UF, fourteen (14) gauge solid coated copper wire, taped to the top of the pipe to prevent movement during backfilling and laid loose enough to prevent stretching and damage before being brought up and tied off at the valve operating nut or valve box. If the operating nut is not easily accessible from the ground surface, the copper wire will be tied off at the valve box in such a way that the wire is easily accessible from the ground surface. Two (2) feet of slack will be provided to allow for connection to the locator.

City of Chehalis

GENERAL NOTES (WATERMAIN INSTALLATION)

General Notes (Watermain Installation cont.)

7. (cont.) A 1-lb magnesium anode will be buried with the pipe every 1,000 linear feet maximum for cathodic protection of the toning wire. Toning wire splices and connections to anodes will join wires both mechanically and electrically and will employ epoxy resin or heat shrink tape insulation. Toning wire will be tested prior to acceptance of the pipe system. A written notice from the contractor to the city must be received two (2) business days prior to when testing is required.

8. The contractor will provide traffic control plan(s) as required in accordance with MUTCD.

9. All watermains will be staked for grades and alignment by an engineering or surveying firm capable of performing such work. Staking will be maintained throughout construction.

10. All service line and water valve locations will be marked on the face of the adjacent curb with a "W" or "WV" embossed ¼-inch into the concrete.

11. All water system connections serving buildings or properties with domestic potable water, fire sprinkler or irrigations systems will comply with the minimum backflow prevention requirements established by the Department of Health (DOH) and the City of Chehalis Cross-Connection Control Program.

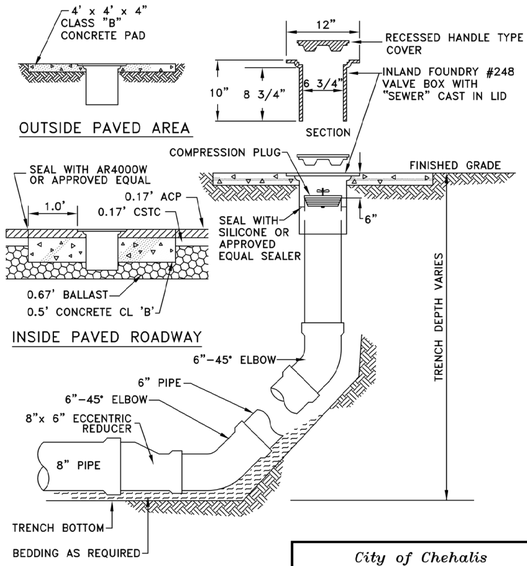
12. Cali Utilities Underground Location Center at 1-800-424-5555 a minimum of two (2) business days prior to any excavations.

13. The city will be notified five (5) business days prior to scheduling a water system shutdown. The city's Water Division will perform all water system shutdowns. When connections require "field verification," connection points will be exposed by the contractor and fittings verified by the city two (2) business days prior to the distribution of shutdown notices. Customers involved with or affected by water service interruptions will be notified at least forty-eight (48) hours in advance. Shutdowns will not be permitted on Fridays, weekends, or holidays without written authorization from the Director of Public Works.

14. When connecting to an existing waterline where a new valve is not to be installed, the existing valve must be pressure tested to these Standards by the contractor prior to connection. If an existing valve fails to pass the test, the contractor will make the necessary additional provisions to test the new line prior to connecting to the existing system or will install a new valve. New lines will not be connected to the existing system until all required tests have been passed.

City of Chehalis

GENERAL NOTES (WATERMAIN INSTALLATION cont.)



NOTES:

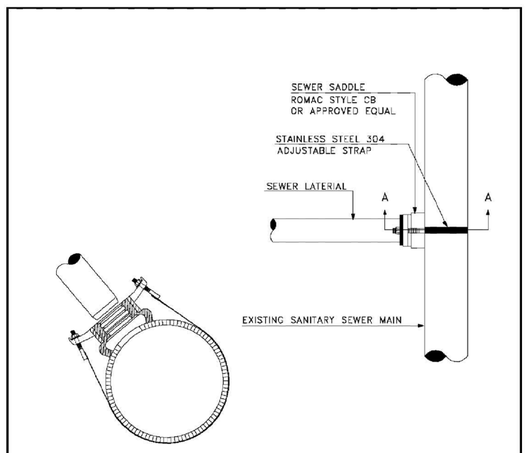
1. ALL SEWER PIPE SHALL BE ASTM 3034 SDR 35.
2. SILICONE SEALANT SHALL NOT INTERFERE WITH REMOVAL OF THE PLUG.

DRAWING NOT TO SCALE

City of Chehalis

CLEANOUT

APPROVED BY	DWG. NO. 5-5
	REVISED DATE 1/02/2003
CITY ENGINEER	



NOTES:

1. BOLTS, NUTS, WASHERS, AND 1/2" N.C. ROLL THREAD ARE TO BE TEFLON COATED.
2. THE STAINLESS BAND SHALL BE 3 1/2" MINIMUM WIDTH.
3. EXCESS STRAP GOES BETWEEN PIPE AND BAND.
4. ALL FASTENERS ARE TO BE STAINLESS STEEL.
5. PIPE MUST BE CORED (DRILLED) WITH A HOLE SAW OF APPROVED DIAMETER. CORE HOLE MUST BE INSPECTED AND APPROVED.

DRAWING NOT TO SCALE

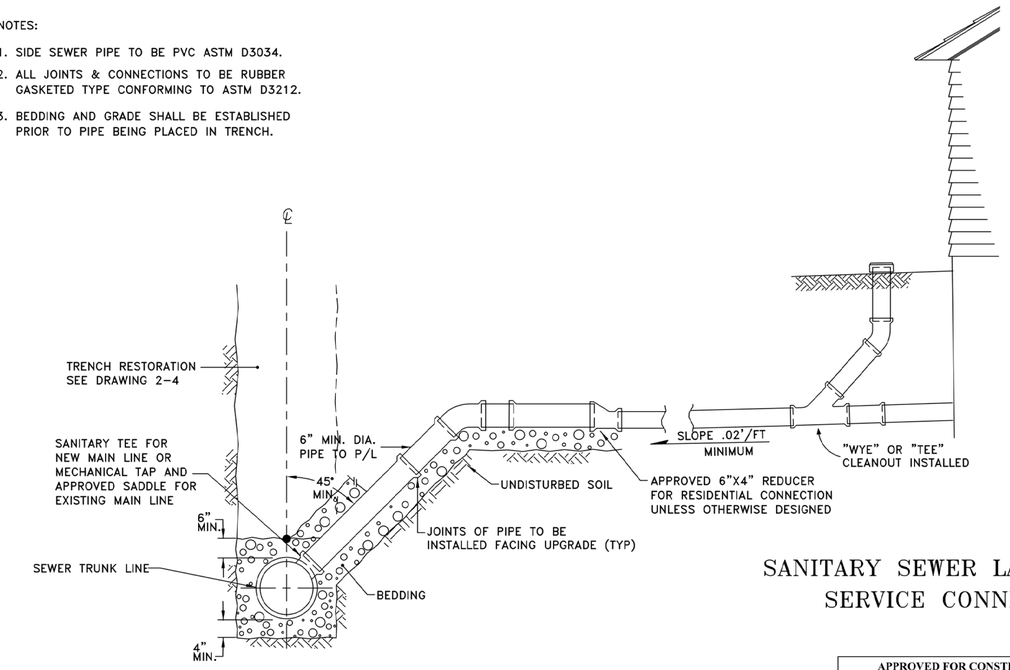
City of Chehalis

SANITARY SEWER SADDLE TAP

APPROVED BY	DWG. NO. 5-12
James R Nichols	REVISED DATE 1/02/2003
CITY ENGINEER	

NOTES:

1. SIDE SEWER PIPE TO BE PVC ASTM D3034.
2. ALL JOINTS & CONNECTIONS TO BE RUBBER GASKETED TYPE CONFORMING TO ASTM D3212.
3. BEDDING AND GRADE SHALL BE ESTABLISHED PRIOR TO PIPE BEING PLACED IN TRENCH.



SANITARY SEWER LATERAL SERVICE CONNECTION

DWG. NO. 5-10

APPROVED FOR CONSTRUCTION

BY _____ DATE _____

PUBLIC WORKS DEPARTMENT OR DESIGNED CONSULTANT

APPROVAL EXPIRES: _____

DRAWING TITLE: UTILITY NOTES AND DETAILS

SCALE: AS SHOWN | DATE: 6/04/21 | DRAWN: PM | DESIGNED BY: SA | CHECKED: AF

PROJECT NAME: 123 HABEIN RD

06/08/2021
AARON L. FULLER
STATE OF WASHINGTON
49455
REGISTERED
PROFESSIONAL ENGINEER
EXP:12/21/2022

FULLER DESIGNS
645 SE PROSPECT STREET
CHEHALIS, WA 98532
520-840-3599

REV:	DESCRIPTION:	DATE:
0	ISSUED FOR CONSTRUCTION	06/04/21

C3.2