

CITY OF SHERWOOD

HALL STREET PAVEMENT AND STORM REHABILITATION

MARCH 2021

(BID DOCUMENT VOLUME 2 OF 2 - CONTRACT DRAWINGS)

PROJECT LOCATION:

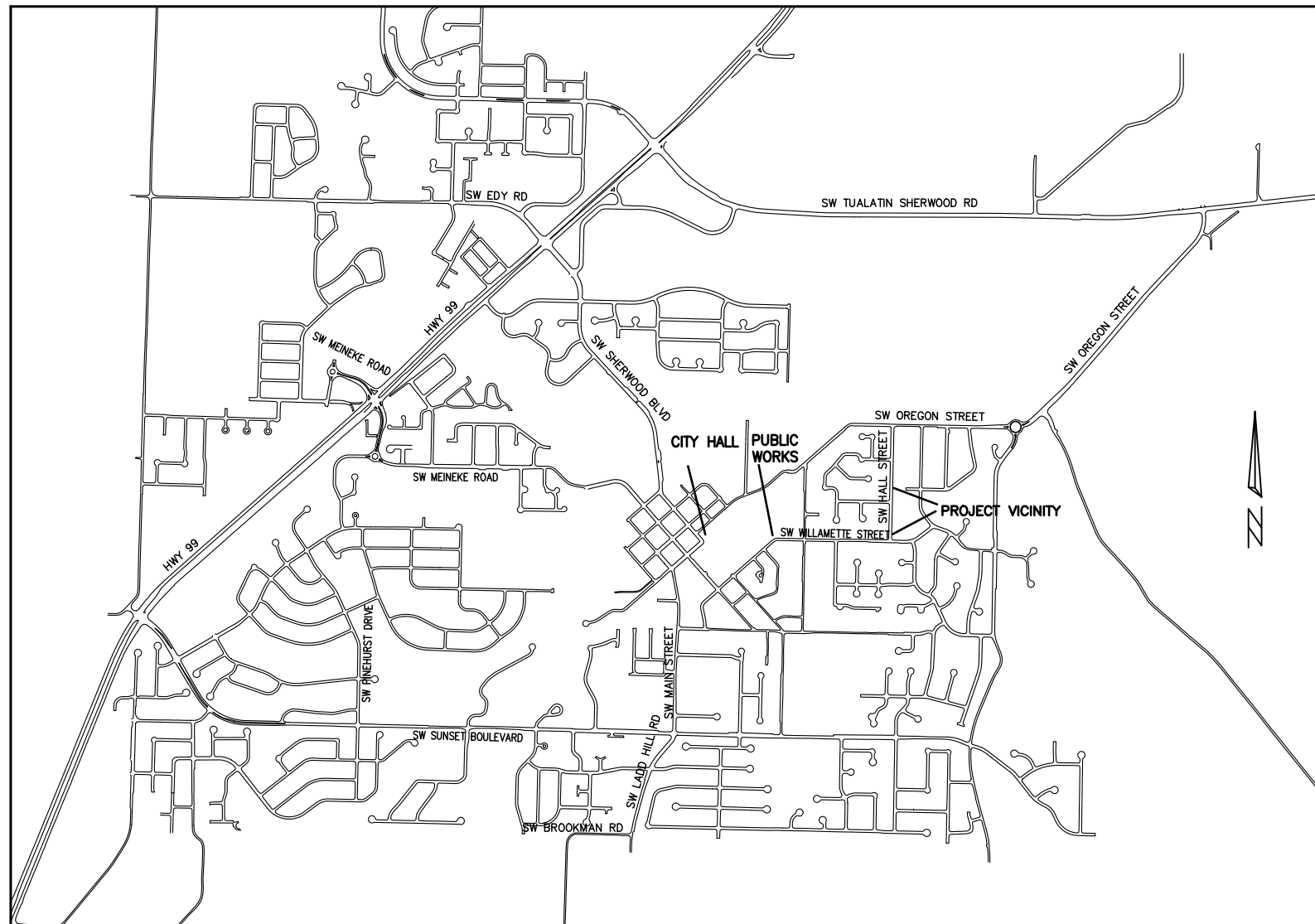
SW HALL STREET (WILLAMETTE STREET TO 170' SOUTH MERRYMAN STREET)

DEVELOPER/OWNER:

CITY OF SHERWOOD
22560 SW PINE ST
SHERWOOD, OREGON 97140
CONTACT: CRAIG CHRISTENSEN, P.E.
PH. 503-925-2301
CHRISTENSEN@SHERWOODOREGON.GOV

SHEET INDEX:

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7. DETAILS



VICINITY MAP

NOT TO SCALE

INSPECTOR INFORMATION:

CITY OF SHERWOOD: ANDY STIRLING (503) 925-2307
CONTACT INSPECTOR 48 HOURS PRIOR TO CONSTRUCTION.

THIS DESIGN COMPLIES WITH ORS 92.044 (7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN ONE (1) FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTIONS NOR FINAL FIELD LOCATION CHANGES SHALL BE PERMITTED IF THAT CHANGE WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN THE PROHIBITED AREA.

ATTENTION EXCAVATORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-011-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BEFORE COMMENCING ANY EXCAVATION. CALL (503) 246-6699.

SURVEY INFORMATION:

HORIZONTAL
AERIAL TOPOGRAPHIC MAP (2004) AND VISUAL OBSERVATION.

VERTICAL
AERIAL TOPOGRAPHIC MAP (2004) WITH ADDITIONAL LEVEL INFORMATION PERFORMED FOR STORM SEWER DESIGN.

COVER SHEET	
HALL STREET PAVEMENT AND STORM REHABILITATION	
LOCATED IN SECTIONS 32A, T2S, R1W, W1M, IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON	
CITY OF SHERWOOD ENGINEERING DEPARTMENT 22560 SW PINE STREET SHERWOOD, OREGON 97140 PHONE: (503) 925-2309 FAX: (503) 625-0629 E-MAIL: engineering@sherwoodoregon.gov	
BID SET NOT APPROVED FOR CONSTRUCTION C. CHRISTENSEN EXPIRES: 12-31-21	
DESIGNED BY: CCC DRAWN BY: CCC CHECKED BY: RS/AS FULL SIZE SCALE: N/A DATE: MARCH, 2021 HALL STREET_SHEETS.DWG	REVISIONS
SHEET NO. SHEET 1 OF 7	

GENERAL NOTES

- ALL CONSTRUCTION WORK, MATERIALS AND TESTING SHALL CONFORM TO THE APPLICABLE SECTION OF THE CITY OF SHERWOOD ENGINEERING DESIGN AND STANDARD DETAILS MANUAL. CONTRACTOR AND SUBCONTRACTOR(S) SHALL HAVE A MINIMUM OF ONE SET OF APPROVED PLANS AND CITY OF SHERWOOD CONSTRUCTION SPECIFICATIONS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROCURE ALL APPLICABLE PERMITS, LICENSES, AND CERTIFICATES RELATIVE TO THE TRADES TO COMPLETE THE PROJECT AND FOR THE USE OF SUCH WORK WHEN COMPLETED. COMPLIANCE SHALL BE AT ALL LEVELS, FEDERAL, STATE, COUNTY, AND LOCAL, RELATING TO THE PERFORMANCE OF THIS WORK. A CITY OF SHERWOOD OR A METRO BUSINESS LICENSE IS REQUIRED FOR THE CONTRACTOR AND ALL SUBCONTRACTORS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS AND DEPTHS PRIOR TO CONSTRUCTION AND ARRANGE FOR PROTECTION OF UTILITIES IN CONFLICT WITH PROPOSED WORK. THE LOCATIONS, DEPTH AND DESCRIPTION OF EXISTING UTILITIES SHOWN WERE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. ADDITIONAL UTILITIES MAY EXIST WITHIN THE WORK AREA. POTHOLES PRIOR TO CONSTRUCTION MAY BE NECESSARY. ALL WORK TO VERIFY UTILITY LOCATIONS AND DEPTHS IS INCIDENTAL.
- OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. THE CONTRACTOR MAY OBTAIN COPIES OF THESE RULES FROM THE CENTER BY CALLING (503) 232-1987 OR BY ACCESSING THE INTERNET AT WWW.STATE.OR.US/GOVERNMENT.HTM. THE CONTRACTOR MUST NOTIFY THE CENTER AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, BEFORE COMMENCING AN EXCAVATION. CALL (503) 246-6699.
- THE CONTRACTOR SHALL MAKE PROVISIONS TO KEEP ALL EXISTING UTILITIES IN SERVICE AND PROTECT THEM DURING CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY DAMAGED UTILITIES USING MATERIAL AND METHODS APPROVED BY THE UTILITY OWNER. NO SERVICE INTERRUPTIONS SHALL BE PERMITTED WITHOUT PRIOR WRITTEN AGREEMENT WITH THE UTILITY PROVIDER AND NOTIFICATION TO SERVICE CUSTOMER. REPAIR TO UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PRUNE ALL VEGETATION, AS NECESSARY FOR EQUIPMENT CLEARANCES AWAY AND UP FROM THE STREET AND SIDEWALK. AS WELL AS ANY ROOT PRUNING AS DETERMINED BY THE ENGINEER OR INSPECTOR. THE CONTRACTOR SHALL PROTECT ALL EXISTING LANDSCAPING THAT IS TO REMAIN. DAMAGE TO TREES AND SHRUBS IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR. COST OF TREE PRUNING IS INCIDENTAL.
- CONTRACTOR SHALL NOTIFY THE CITY OF SHERWOOD 48 HOURS IN ADVANCE OF STARTING CONSTRUCTION AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS, EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS.
- CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, EXCESS TOPSOIL, AND OTHER EXCESS MATERIAL OFF SITE. MATERIALS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS. DISPOSAL LOCATION INFORMATION TO BE PROVIDED TO CITY PRIOR TO BEGINNING ANY WORK.
- CONSTRUCTION VEHICLES SHALL PARK AT A LOCATION APPROVED BY THE INSPECTOR OR AT A LOCATION(S) INDICATED ON AN APPROVED PLAN. HOURS OF CONSTRUCTION SHALL BE AS SPECIFIED IN THE PLANS. CONSTRUCTION IS PROHIBITED ON SATURDAY AND SUNDAY UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE PUBLIC WORKS DIRECTOR AND CITY MANAGER. CONSTRUCTION ACTIVITIES INCLUDE ALL FIELD MAINTENANCE OF EQUIPMENT, REFUELING, AND PICK UP AND DELIVERY OF EQUIPMENT AS WELL AS THE ACTUAL CONSTRUCTION ACTIVITY.
- AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL CLEAN UP THE PROJECT AREA AND LEAVE IT IN A NEAT AND SECURED MANNER. UPON COMPLETION, THE CONTRACTOR SHALL LEAVE THE PROJECT AREA FREE OF DEBRIS AND UNUSED MATERIAL.
- THE CONTRACTOR SHALL KEEP AN APPROVED SET OF PLANS ON THE PROJECT SITE AT ALL TIMES WITH ALL KNOWN CHANGES REDLINED ON THE WORKING PLAN SET FOR THE SOLE PURPOSE OF RECORDING AS BUILT INFORMATION OF IMPROVEMENTS AND LOCATION AND DEPTH OF ANY EXISTING UTILITIES ENCOUNTERED.
- ANY ALTERATIONS OR VARIATIONS FROM THESE PLANS EXCEPT MINOR FIELD ADJUSTMENTS NEEDED TO MEET EXISTING FIELD CONDITIONS, SHALL BE APPROVED BY THE ENGINEER AND APPLICABLE REGULATORY AGENCY REPRESENTATIVE. CONTRACTOR SHALL KEEP RECORD OF ALL CHANGES AND NOTE ON AS BUILT PLANS. CONTRACTOR SHALL SUBMIT ACCURATE AND COMPLETE "AS-BUILT" INFORMATION TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THIS PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET THE INTENT OF THE PROJECT CONTRACT DOCUMENTS, APPLICABLE AGENCY REQUIREMENTS AND OTHER WORK AS NECESSARY TO PROVIDE A COMPLETE PROJECT.
- CONTRACTOR SHALL PROVIDE EFFECTIVE EROSION PROTECTION TO INCLUDE, BUT NOT BE LIMITED TO, GRADING, DITCHING, STRAW WATTLES, TRIANGULAR SILT DAMS, SILT FENCING, AND SEDIMENT BARRIERS TO MINIMIZE EROSION AND IMPACT TO ADJACENT PROPERTY. SEE EROSION AND SEDIMENT CONTROL NOTES AND PLANS.
- THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES. THE CONTRACTOR SHALL NOTIFY AFFECTED RESIDENTS A MINIMUM OF 48 HOURS PRIOR TO ANY DRIVEWAY CLOSURES AND ASSIST PROPERTY OWNER WITH ALTERNATIVE PARKING AND ACCESS. PEDESTRIAN ACCESS TO ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR WILL PROVIDE RAMPS OR OTHER APPROVED METHODS FOR MAINTAINING ACCESS TO ENTRANCES. RAMPS SHALL BE ADA COMPLIANT, APPROVED BY THE ENGINEER, AND INCIDENTAL TO THE CONTRACT. RESIDENTIAL DRIVEWAYS MAY ONLY BE CLOSED FOR A MAXIMUM OF ONE DAY (7:00 AM TO 6:00 PM).
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS BEFORE THE START OF WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND OTHERWISE VERIFY ALL DIMENSIONS AND EXISTING CONSTRUCTION CONDITIONS INDICATED AND/OR SHOWN ON THE PLANS. SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE PROJECT ENGINEER FOR CLARIFICATION OR CORRECTION.
- ANY INSPECTION BY THE CITY, COUNTY, STATE, FEDERAL AGENCY OR PROJECT ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN COMPLIANCE WITH THE APPLICABLE CODES, REGULATIONS, CITY STANDARDS AND PROJECT CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN CONFORMING TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION AND ACCORDING TO PROJECT SPECIFICATIONS. TRAFFIC CONTROL PLAN SHALL MATCH APPROVED PHASING/SEQUENCING PLAN AND SHALL BE SUBJECT TO THE APPROVAL BY THE CITY, WASHINGTON COUNTY AND/OR ODOT AS APPLICABLE.
- THE CONTRACTOR SHALL PROVIDE TO THE CITY PROJECT MANAGER AND INSPECTOR A 24 HOUR CONTACT PERSON AND CELL PHONE NUMBER.
- NO TRENCHES OR PITS WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. ALL TRENCHES AND PITS SHALL BE COVERED WITH STEEL PLATES OR FILLED IN AT NIGHT.
- PROPERTY LINES SHOWN ON ALL PLAN SHEETS ARE FOR GENERAL DELINEATION ONLY AND ARE, BY NO MEANS, MEANT TO REPRESENT THE ACTUAL BOUNDARIES.

- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL CONSTRUCTION SAFETY, HEALTH AND OTHER RULES AND REGULATIONS FROM OSHA, DEQ, STATE, AND LOCAL REGULATING AGENCIES FOR SAFETY AND INSTALLATION OF THE WORK INCLUDING BUT NOT LIMITED TO SHORING, BRACING, ERECTION/INSTALLATION, FALL PROTECTION, GUARDRAILS, ETC.
- CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES AND UTILITIES NOT SHOWN TO BE REMOVED. CONTRACTOR SHALL REPLACE OR REPAIR ANY EXISTING STRUCTURES (SIDEWALKS, DRIVEWAYS, CURB, FENCE, STREET TREES, ETC.) DAMAGED DURING CONSTRUCTION, IN ACCORDANCE WITH CITY STANDARDS.
- EQUIPMENT PARKED ON SITE SHALL BE PARKED AWAY FROM AN INTERSECTION AT A LOCATION APPROVED BY THE INSPECTOR.
- WATER FOR CONSTRUCTION MAY BE OBTAINED FROM CITY FIRE HYDRANTS. INSTALL FIRE HYDRANT METER PRIOR TO DRAWING WATER. FIRE HYDRANT METER TO BE OBTAINED FROM CITY OF SHERWOOD WATER DEPARTMENT. COORDINATE WITH INSPECTOR. WATER/METER COSTS FOR CONSTRUCTION IS INCIDENTAL.
- ANY EXISTING SURFACE TO REMAIN (CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, ASPHALT, ETC.) THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AND THE CONTRACTOR'S EXPENSE.
- ALL JOINTS BETWEEN EXISTING ASPHALT AND NEW ASPHALT SHALL BE SEALED WITH HOT RUBBERIZED ASPHALT SEALER.
- CONTRACTOR SHALL NOT OVERCUT INTO EXISTING PAVEMENT TO REMAIN.
- CONTRACTOR SHALL RELOCATE EXISTING MAILBOXES AND PROVIDE TEMPORARY SUPPORT AS NECESSARY FOR THE DURATION OF THE WORK. MAILBOXES SHALL BE PERMANENTLY REINSTALLED ACCORDING TO THE DETAIL IN THESE PLANS ONCE NEW CURB AND GUTTER IS IN PLACE.
- ANY FINISH EXPOSED DIRT SURFACE TO BE TOPPED WITH 2" OF COMPOST MULCH. PAID UNDER "SELECTED TOPSOIL" BID ITEM.
- CONTRACTOR SHALL CONTACT CITY INSPECTOR UPON DISCOVERY OF ANY EXISTING SEWER PIPING/IRRIGATION ENCOUNTERED DURING THE PROJECT FOR ON-SITE INSPECTION. INSPECTOR, ENGINEER AND CONTRACTOR SHALL COORDINATE TO DETERMINE COURSE OF ACTION. IN THE CASE OF SEWER PIPING, PUBLIC WORKS MAY BE CALLED IN TO DETERMINE IF ACTIVE. NO PAYMENT WILL BE MADE FOR DELAY TIME DUE TO ENCOUNTERING/INVESTIGATION OF EXISTING SEWERS.
- THERE MAY BE UNMARKED FRANCHISE SERVICE LINES WITHIN THE WORK ZONE. CONTRACTOR TO EITHER WORK AROUND OR CONTACT UTILITY COMPANY TO RELOCATE. NO PAYMENT WILL BE MADE FOR DELAY TIME/WORK AROUND TIME DUE TO EXISTING FRANCHISE SERVICE LINES.

STREET NOTES

- IN AREAS WHERE CURB AND GUTTER EXISTS, NEW ASPHALT WILL MATCH FRONT EDGE OF CONCRETE GUTTER.
- TACK COAT SHALL BE APPLIED AGAINST CONCRETE GUTTER EDGE, CURB FACE, CONCRETE STRUCTURES, EXISTING ASPHALT EDGE, MANHOLE FRAMES, BLOW-OFF FRAMES, CLEANOUT FRAMES AND OTHER SURFACES OR STRUCTURES THAT WILL BE PAVED AGAINST WITH NEW ASPHALT (INCIDENTAL) PRIOR TO PAVING.
- HOT RUBBERIZED ASPHALT SEALER REQUIRED AT ASPHALT JOINTS (INCIDENTAL). DO NOT OVERCUT ASPHALT. CITY HAS THE RIGHT TO HAVE OVERCUT ASPHALT REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
- PAVEMENT CROSS SLOPES ON SW HALL STREET SHALL BE AT LEAST 2.0% WITH A MAXIMUM OF 5.0%.
- NEW ASPHALT SHALL NOT COVER ANY WEEP HOLES (AT I.E. OR LOWER). CITY WILL PHOTO DOCUMENT PROJECT AREA INCLUDING EXISTING CURBS. COVERED WEEPHOLES SHALL BE CLEARED AT CONTRACTORS EXPENSE AND STREET REPAVED.
- TYPICAL FULL CURB EXPOSURE IS 6" AT TOP FACE OF CURB UNLESS OTHERWISE NOTED.
- TYPICAL DRIVEWAY CURB EXPOSURE IS 3/4" AT TOP FACE OF CURB.
- ADJUST ALL EXISTING VALVES, BLOW-OFFS AND OTHER MISCELLANEOUS BOXES AS NECESSARY TO MATCH NEW ASPHALT SURFACE GRADE - TO BE PAID FOR UNDER THE BID ITEM OF "ADJUSTING BOXES".
- THERE WILL BE NO ADJUSTMENT OF EXISTING MANHOLE FRAMES FOR THIS PROJECT. NEW ASPHALT TO MATCH EXISTING MANHOLE COVERS.
- CONTRACTOR TO TEST ASPHALT SURFACE WITH 12-FOOT STRAIGHT EDGE IN TRAVEL LANES PARALLEL TO AND PERPENDICULAR TO THE CENTER LINE, AS DIRECTED BY THE INSPECTOR. THE ASPHALT SURFACE SHALL NOT VARY BY MORE THAN 1/4 INCH INCLUDING MANHOLE COVERS.
- WATER FOR CONSTRUCTION MAY BE OBTAINED FROM CITY FIRE HYDRANTS. INSTALL FIRE HYDRANT METER PRIOR TO DRAWING WATER. FIRE HYDRANT METER TO BE OBTAINED FROM CITY OF SHERWOOD WATER DEPARTMENT. COORDINATE WITH INSPECTOR. WATER FOR CONSTRUCTION IS PAID FOR BY THE CONTRACTOR AND CONSIDERED INCIDENTAL.
- REPAIR ALL DISTURBED NEIGHBORING PROPERTY BACK TO ORIGINAL OR BETTER CONDITION.
- ANY SEGMENT OF STREET OPEN TO TRAFFIC THAT HAS A VERTICAL DROP (INCLUDING DRIVEWAYS) SHALL HAVE A TEMPORARY WEDGE INSTALLED. (INCIDENTAL).
- ANY EXISTING SURFACE TO REMAIN (CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, ETC.) THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED AND THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO CLEAN UP JAGGED CONCRETE GUTTER EDGES MEETING THE APPROVAL OF THE INSPECTOR. SOME SAWCUTTING MAY BE REQUIRED. COST IS INCIDENTAL.

NOTE: STATE OF OREGON MINIMUM PREVAILING WAGE REQUIREMENTS WILL APPLY TO ALL WORK PERFORMED UNDER THIS PROJECT.

STORM SEWER NOTES

- STORM SEWER PIPE SHALL BE AS NOTED ON PLANS AND CONFORM TO THE REQUIREMENTS BELOW.
- STORM SEWER MATERIALS AND TESTING SHALL MEET MEANS CLEAN WATER SERVICES (CWS) DESIGN AND CONSTRUCTION SPECIFICATIONS AND THE CITY OF SHERWOOD'S ENGINEERING DESIGN MANUAL.
- CONTRACTOR SHALL PERFORM A MANDREL TEST AND VIDEO TEST ON THE NEW STORM SEWER. THIS WILL BE WITNESSED BY THE CITY. MINIMUM 48 HOUR NOTICE IS REQUIRED. ANY PIPE NOT PASSING EITHER TEST SHALL BE FIXED BY THE CONTRACTOR WITH CONTRACTOR PERFORMING A NEW MANDREL AND VIDEO TEST. PIPE REPAIRS AND TESTING DONE DUE TO TEST FAILURE ARE PERFORMED AT THE CONTRACTOR'S EXPENSE.
- STORM SEWER TRENCHING MAY BE BROUGHT TO THE SURFACE WITH GRANULAR BACKFILL. CONTRACTOR TO KEEP ASPHALT SURFACE SWEPT AND FREE OF ROCKS (INCIDENTAL). REMOVAL OF TEMPORARY ASPHALT AND TRENCH ROCK FOR INSTALLATION OF FINAL ASPHALT SURFACE IS INCIDENTAL.
- COUPLING TO CONNECT TO EXISTING LATERALS SHALL BE SHIELDED FERNCO COUPLINGS OR APPROVED EQUIVALENT.

WORK HOURS/TRAFFIC CONTROL NOTES

- WORK HOURS ARE FROM 8:00AM TO 6:00PM MONDAY THROUGH FRIDAY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRIVEWAY ACCESS TO RESIDENCES, EXCEPT WHEN OTHERWISE APPROVED BY THE CITY AND COORDINATED WITH THE HOME OWNER.
- THE CONTRACTOR SHALL KEEP SW HALL STREET OPEN TO TRAFFIC AT ALL TIMES EXCEPT AS NEEDED FOR CEMENT TREATMENT AND ASPHALT PLACEMENT OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR ALL BARRICADES, FLAGGING, SIGNAGE, DETOUR SIGNAGE AND ANY OTHER TRAFFIC CONTROL MEASURES NECESSARY FOR PERFORMING THE WORK SHOWN IN THE PLANS. CONTRACTOR TO NOTIFY RESIDENTS AT LEAST 48 HOURS PRIOR TO STREET CLOSURE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN A SAFE WORKING AREA FOR WORKERS, VEHICULAR TRAFFIC, BICYCLE TRAFFIC AND PEDESTRIAN TRAFFIC.

STAGING NOTES

- CONSTRUCTION STAGING WILL OCCUR ON-SITE AT LOCATION APPROVED BY INSPECTOR. TRUCKS TO BE PARKED AT A LOCATION APPROVED BY THE CITY. EQUIPMENT PARKED ON SITE SHALL BE PARKED AWAY FROM AN INTERSECTION AT A LOCATION APPROVED BY THE INSPECTOR.

LEGEND

— = EXISTING CURB AND GUTTER	EX = EXISTING
⊗ _{WV} = EXISTING WATER VALVE	S/W = SIDEWALK
—W— = EXISTING WATER LINE	R/W = RIGHT-OF-WAY
—ST— = EXISTING STORM LINE	D/W = DRIVEWAY
—SAN— = EXISTING STORM LINE	R = RADIUS
—G— = EXISTING GAS LINE	CL = CENTER LINE
—T— = EXISTING TELECOMMUNICATION LINE	⊕ = TOP OF CURB
— = CENTER LINE	FG = FINISH GRADE
○ = EXISTING MANHOLE	G = GUTTER
▣ = EXISTING CATCH BASIN	RT = RIGHT
— = PROPOSED CURB AND GUTTER	LT = LEFT
⊗ = PROPOSED MANHOLE	T = TOP FACE OF CURB
▣ = PROPOSED CATCH BASIN	PH = POT HOLED
	EST = ESTIMATED

GENERAL NOTES

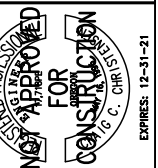
HALL STREET PAVEMENT AND STORM REHABILITATION

LOCATED IN SECTIONS 32A, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
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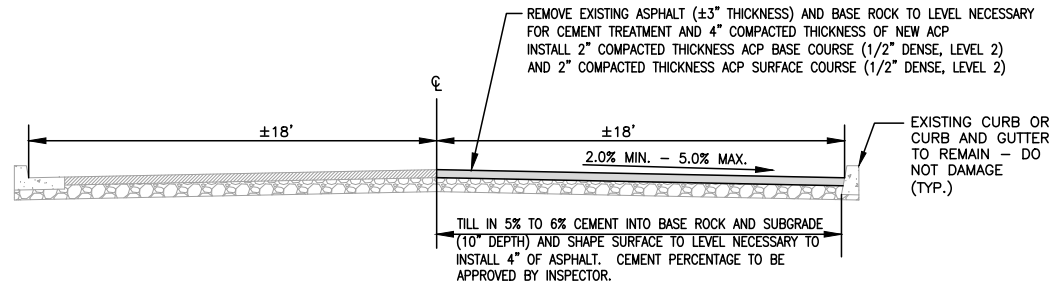
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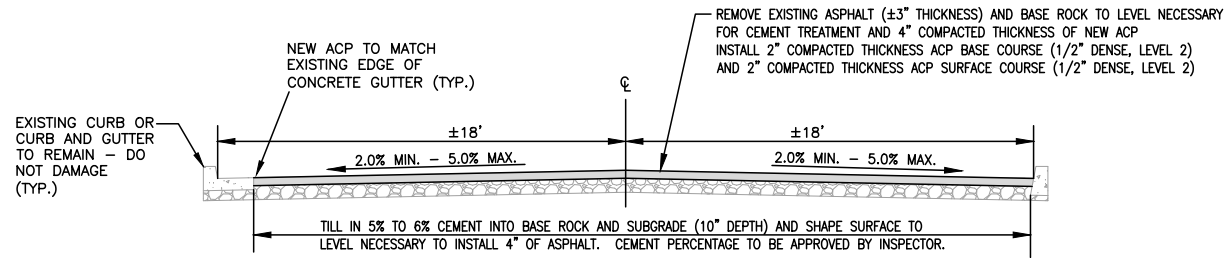
DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	1/4"
DATE:	MARCH, 2021
HALL STREET SHEETS	

JOB NO.	
SHEET NO.	
SHEET	2
OF	7

REVISIONS



TYPICAL CEMENT TREATMENT HALF STREET SECTION
HALL STREET (LOOKING SOUTH) – NOT TO SCALE



TYPICAL CEMENT TREATMENT FULL STREET SECTION
HALL STREET (LOOKING SOUTH) – NOT TO SCALE

CURBS ON EACH SIDE OF STREET MAY BE OF DIFFERING HEIGHTS REQUIRING THE CROSS SLOPE ON ONE SIDE OF STREET TO BE STEEPER THAN THE OTHER SIDE. CONTRACTOR TO USE MINIMUM CROSS SLOPE ON HIGHER CURB SIDE AND SHALL VERIFY THAT LOWER CURB SIDE WILL STILL BE WITHIN THE 5.0% MAXIMUM (INCIDENTAL). CONTRACTOR TO CONTACT ENGINEER WITH RESULTS.

STREET SECTION NOTES

EXISTING CURB/CURB AND GUTTER TO REMAIN – DO NOT DAMAGE.

COMPACT ALL ASPHALT TO 92% OF MMAD PER AASHTO T209.

BASE ROCK WILL BE PROOF ROLLED AFTER CEMENT TREATMENT. COORDINATE REMOVAL OF SOFT SPOTS WITH CITY INSPECTOR AND CITY PROJECT MANAGER.

CEMENT TREATMENT TO BE KEPT MOIST UNTIL 1ST LIFT OF ASPHALT IS PLACED. FIRST LIFT OF ASPHALT SHALL BE INSTALLED EITHER THE DAY OF OR THE DAY AFTER CEMENT TREATMENT OF THE BASE.

CURB EXPOSURE TO BE ±6" IN STANDARD HEIGHT CURB LOCATIONS. MAY FLUCTUATE AS NECESSARY TO AVOID PONDING AT GUTTER LINE. DO NOT COVER WEEP HOLES. CURB EXPOSURES IN DRIVEWAYS SHALL BE ±3/4". ASPHALT AT THROAT OF SIDEWALK RAMPS SHALL BE FLUSH WITH CURB.

NEW ASPHALT TO MATCH FRONT EDGE OF GUTTER WHERE CONCRETE CURB AND GUTTER EXISTS.

STREET SECTIONS

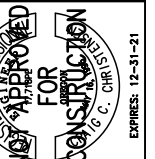
HALL STREET PAVEMENT AND STORM REHABILITATION

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BID SET



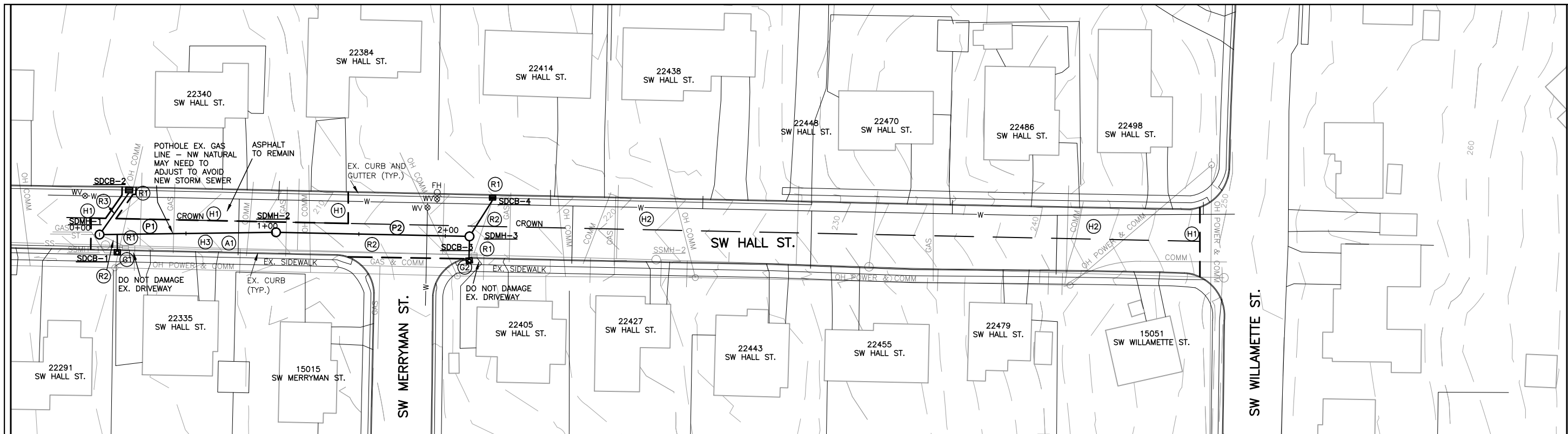
DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	N/A
DATE:	MARCH, 2021
HALL STREET SHEETS	

REVISIONS	

JOB NO.

SHEET NO.

SHEET 3
OF 7



**SW HALL STREET
(PLAN AND PROFILE)**

**HALL STREET PAVEMENT AND STORM
REHABILITATION**

LOCATED IN SECTIONS 32A, T2S, R1W, W.M.
SHERWOOD, WASHINGTON COUNTY,
IN THE CITY OF SHERWOOD,
STATE OF OREGON

SDCB-1
STA. 1+10.2±
INSTALL CATCH BASIN (CG-30)
RIM EL.= MATCH TOP OF CURB
GUTT. EL.=203.30± (DEPRESS 1.5"
AT CURB)
10" I.E. OUT(E)=201.33
+ 9.0' OF 10" D.I. CL. 52 AT
0.56% SLOPE + 12"X10" TEE

SDCB-2
STA. 1+17.3±
INSTALL CATCH BASIN (CG-2)
GUTT. EL.=203.40± (DEPRESS
GRATE 1.5" AT CURB)
10" I.E. OUT(E)=201.30
+ 27.0' OF 10" D.I. CL. 52 AT
0.56% SLOPE

(H1) SAWCUT ASPHALT/CONCRETE
(INCIDENTAL).

(H2) AREA OF CEMENT TREATMENT AND
NEW ASPHALT- SEE TYPICAL FULL
STREET SECTION.

(H3) AREA OF CEMENT TREATMENT AND
NEW ASPHALT- SEE TYPICAL HALF
STREET SECTION.

(G1) NORTHWEST NATURAL TO RELOCATE GAS LINE WESTWARD IN AREA
WHERE NEW CATCH BASIN TO BE INSTALLED PRIOR TO
CONSTRUCTION - USE CAUTION WHEN REMOVING EXISTING CATCH
BASIN TO NOT DAMAGE GAS LINE - CONTRACTOR TO REMOVE
COLD PATCH AND AGGREGATE (INCIDENTAL) AS NECESSARY TO
INSTALL NEW SIDEWALK

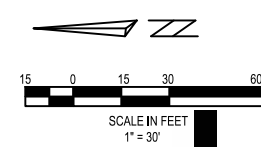
(G2) NORTHWEST NATURAL TO RELOCATE GAS LINE WESTWARD IN AREA
WHERE NEW CATCH BASIN TO BE INSTALLED PRIOR TO
CONSTRUCTION - CONTRACTOR TO REMOVE COLD PATCH AND
AGGREGATE (INCIDENTAL) AS NECESSARY TO INSTALL NEW SIDEWALK

(R1) REMOVE EXISTING INLET (±2' DEPTH)
REMOVE CURB AND GUTTER AND ASPHALT AS NECESSARY TO
REMOVE INLET AND FOR INSTALLATION OF NEW CATCH BASINS
(INCIDENTAL)

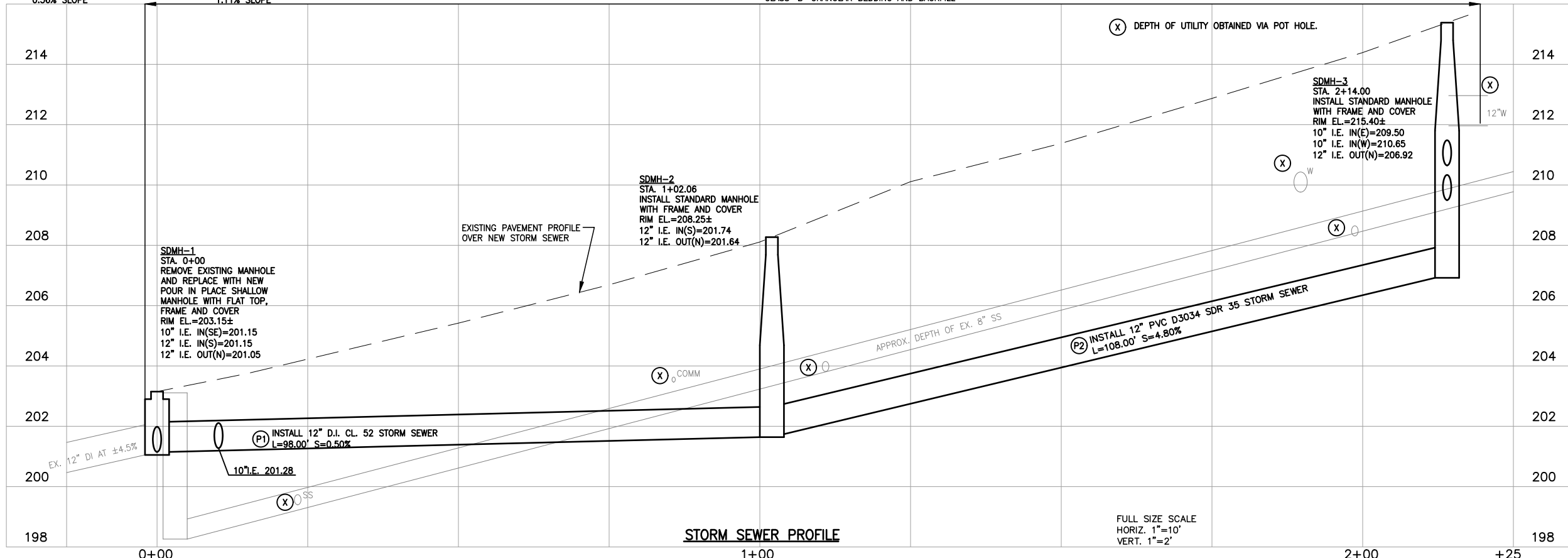
(R2) REMOVE EXISTING STORM SEWER, BACKFILL WITH CRUSHED
AGGREGATE (3/4"-0") AND COMPACT TO TRENCH STANDARDS.

(R3) REMOVE EXISTING STORM SEWER AS PART OF INSTALLING THE NEW
STORM SEWER (INCIDENTAL TO NEW STORM SEWER)

(A1) INSTALL MECHANICAL PLUG 1' INTO EACH END OF PIPE TO BE
LEFT IN PLACE AND GROUT ENDS (INCIDENTAL).



CLASS 'B' GRANULAR BEDDING AND BACKFILL



CITY OF SHERWOOD
ENGINEERING DEPARTMENT
22560 SW PINE STREET
SHERWOOD, OREGON 97140

PHONE: (503) 925-2309
FAX: (503) 625-0629
E-MAIL: engineering@sherwoodoregon.gov

BID SET

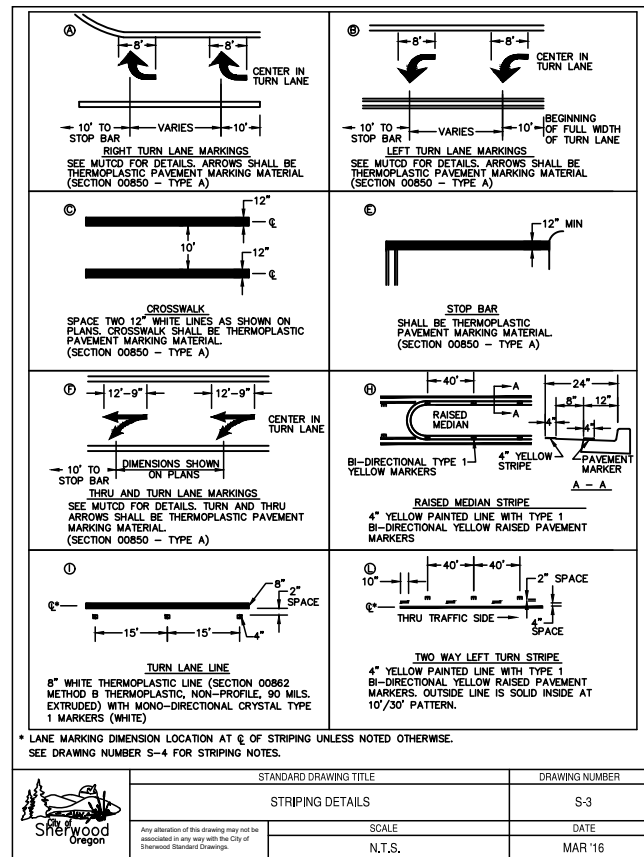
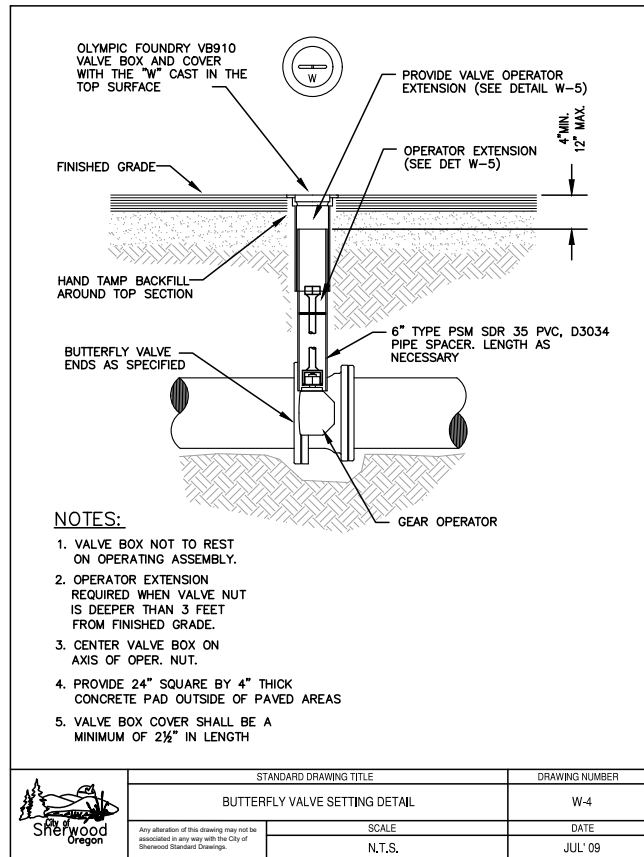
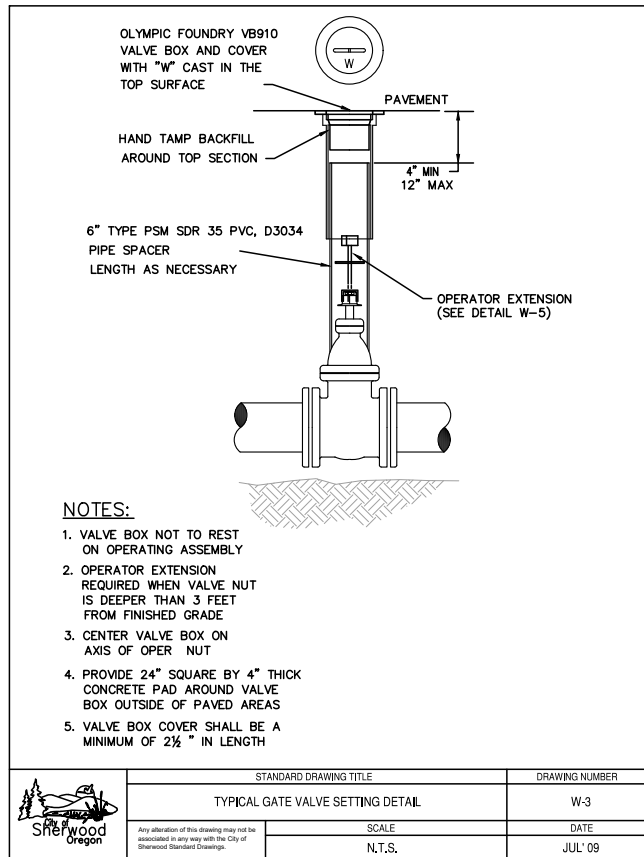
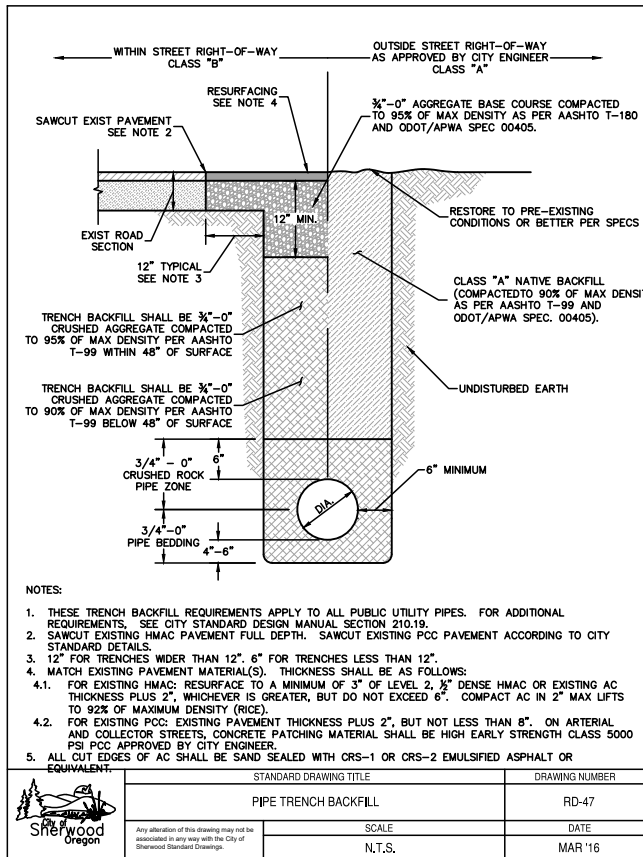
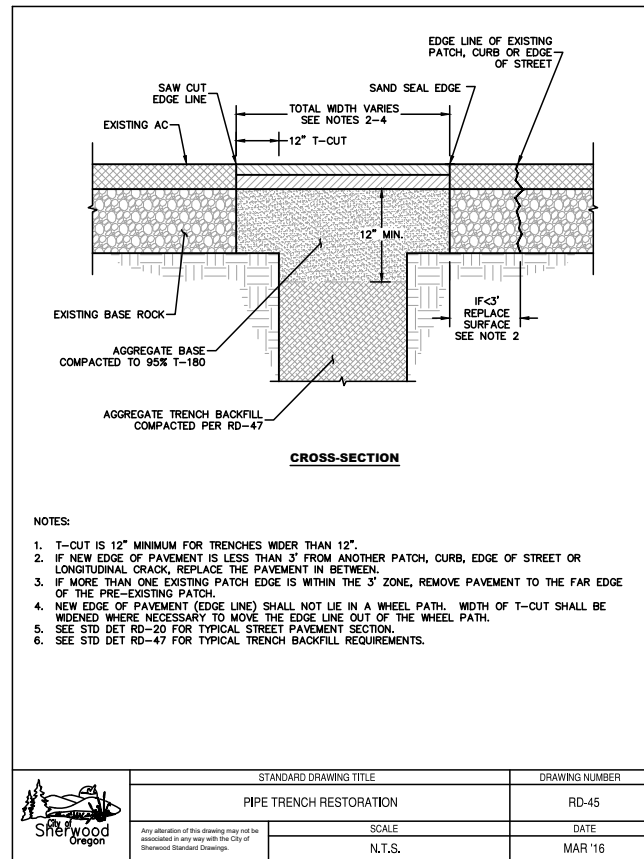
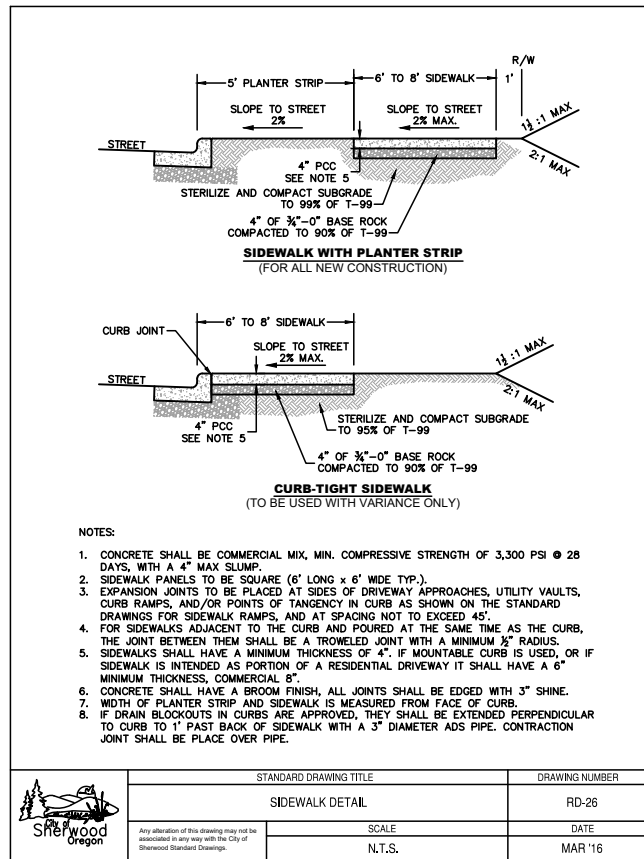
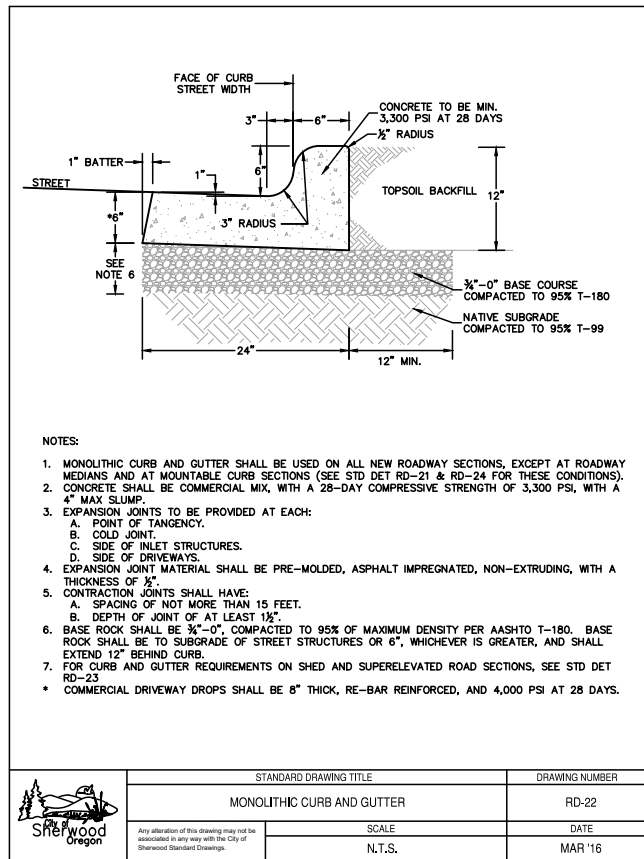
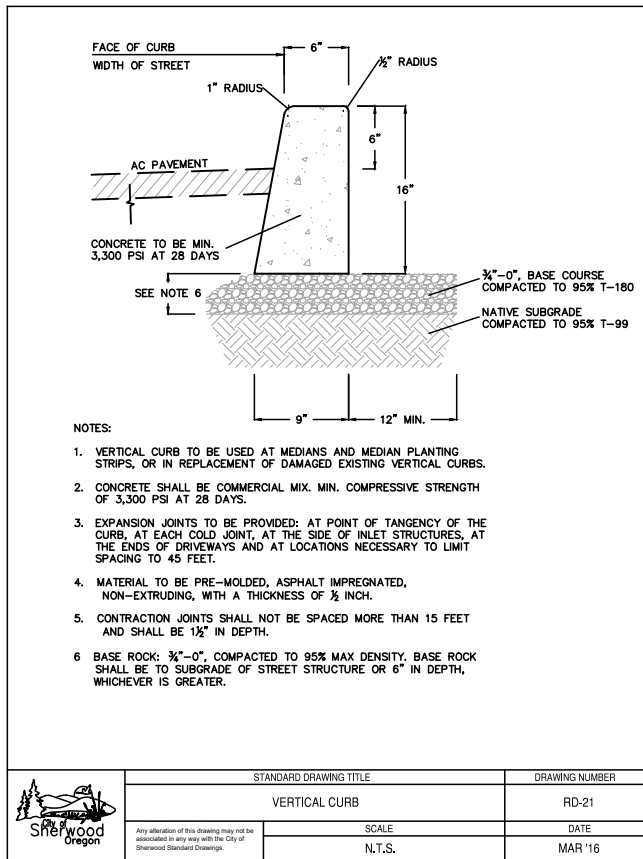
APPROVED FOR CONSTRUCTION

EXPIRES: 12-31-21

DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	1"=30'
DATE:	MARCH, 2021

HALL STREET_SHEETS.DWG

REVISIONS	
JOB NO.	SHEET NO.
	SHEET 4
	OF 7



CITY OF SHERWOOD DETAILS

HALL STREET PAVEMENT AND STORM REHABILITATION

LOCATED IN SECTIONS 32A, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON.

CITY OF SHERWOOD ENGINEERING DEPARTMENT SHERWOOD, OREGON 97140

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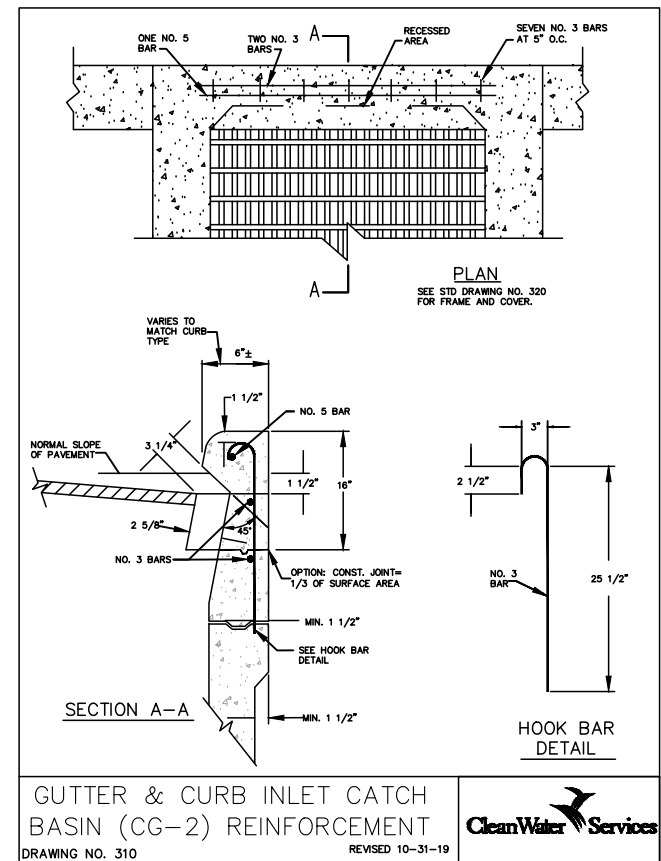
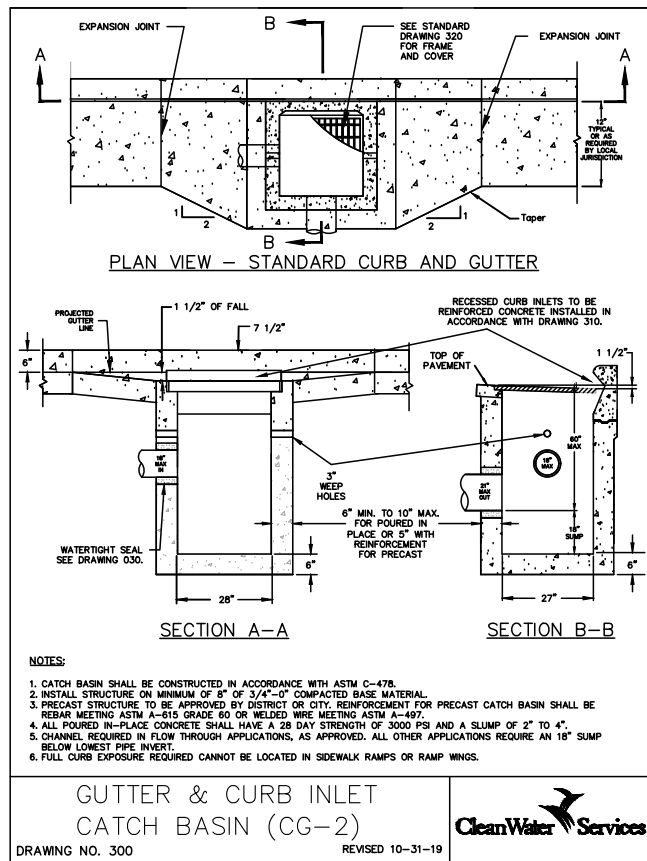
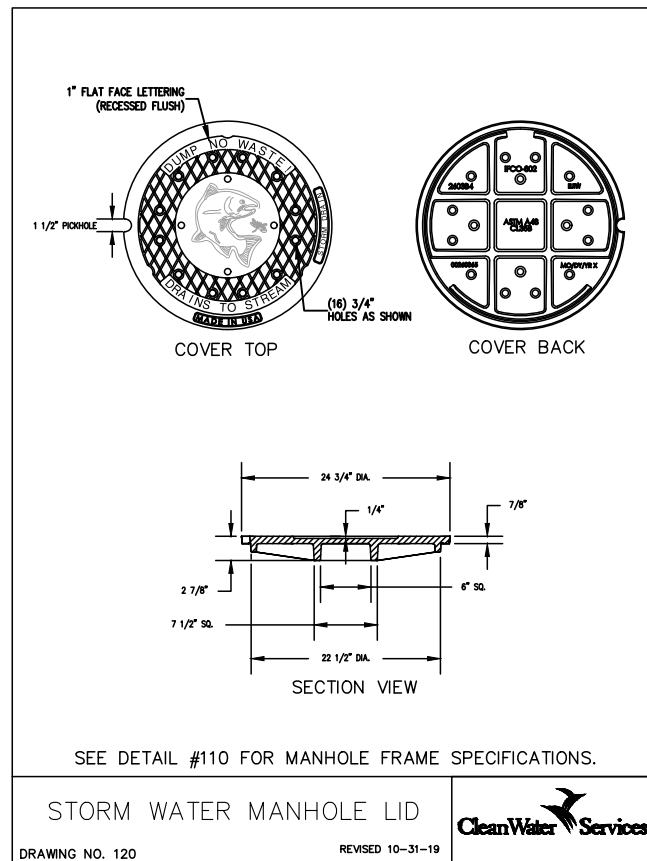
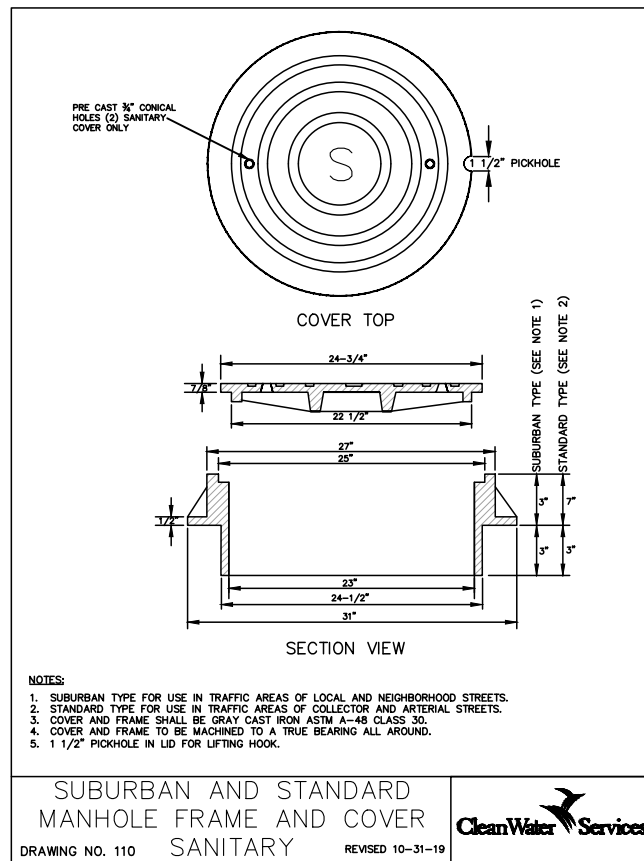
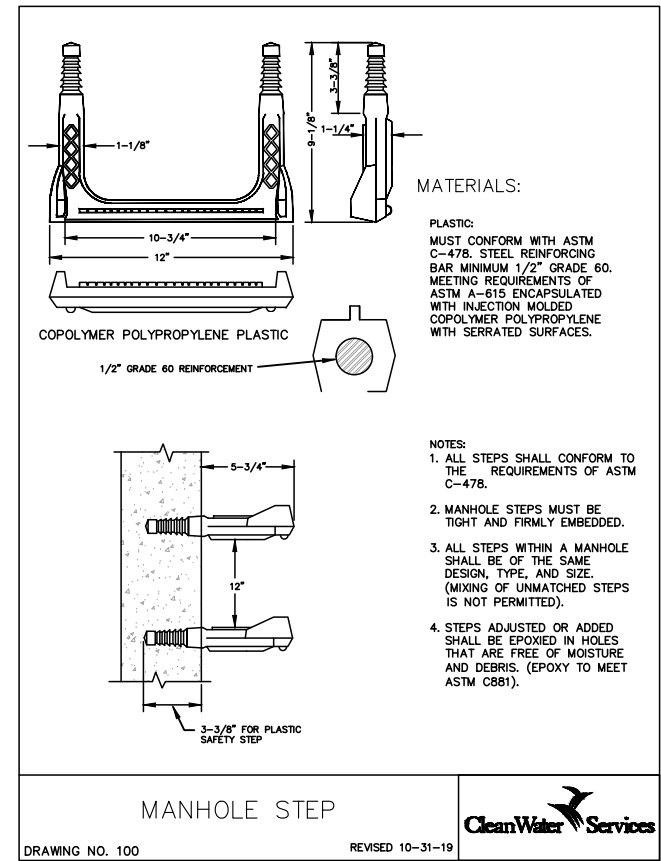
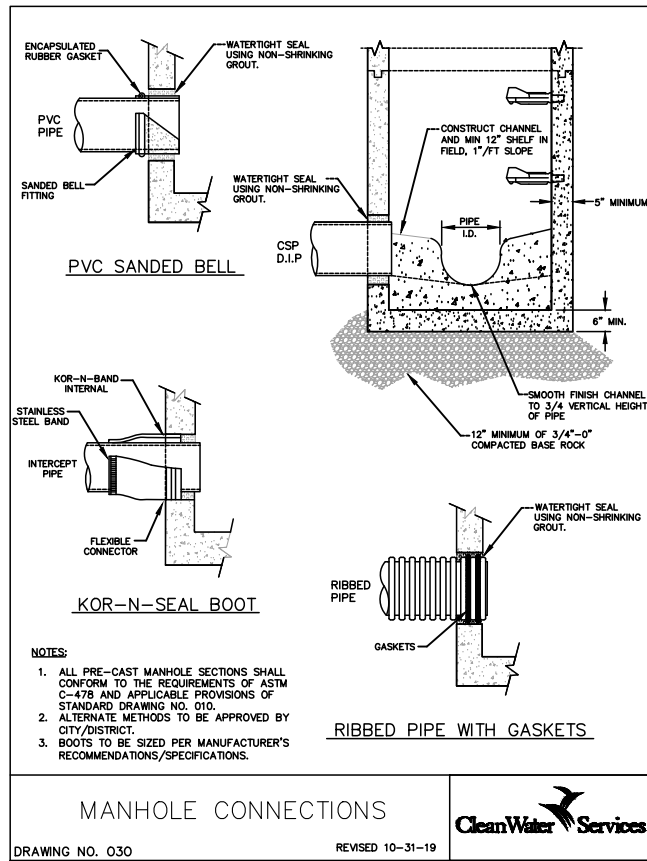
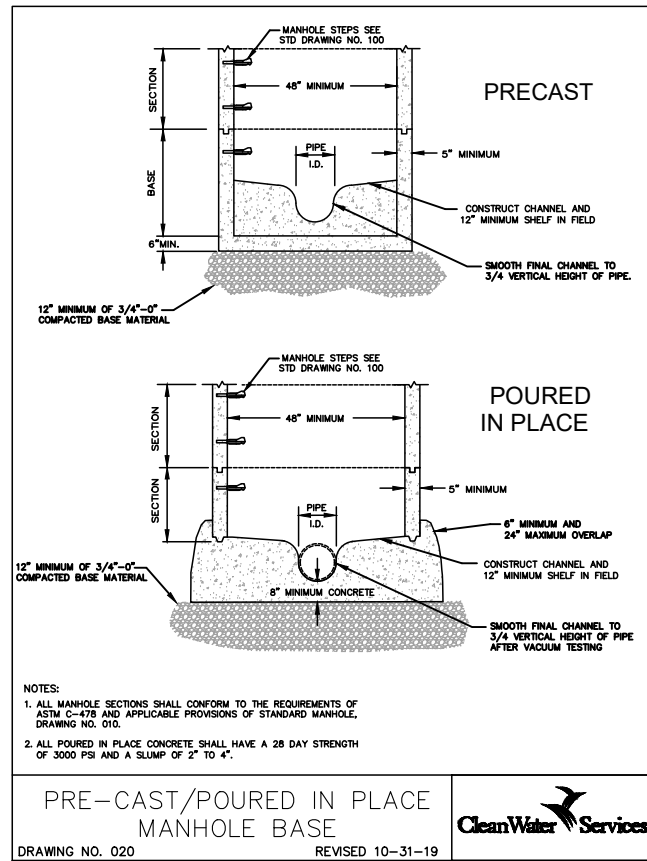
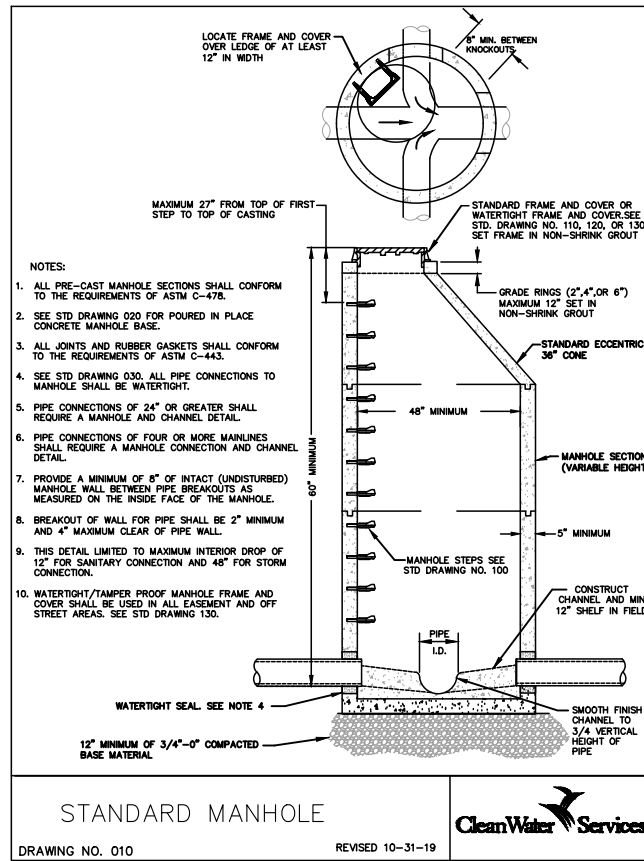
BID SET

NOT FOR CONSTRUCTION

EXPIRES: 12-31-21

DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	AS NOTED
DATE:	MARCH, 2021
HALL STREET SHEETS	
JOB NO.	
SHEET NO.	5
	7

REVISIONS



CITY OF SHERWOOD

HALL STREET PAVEMENT AND STORM REHABILITATION

LOCATED IN SECTIONS 32A, T2S; R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, STATE OF OREGON

CITY OF SHERWOOD ENGINEERING DEPARTMENT SHERWOOD, OREGON 97140

PHONE: (503) 925-2309 FAX: (503) 625-0629 E-MAIL: engineering@sherwoodoregon.gov

PROFESSIONAL ENGINEER

NOT APPROVED FOR CONSTRUCTION

EXPIRES: 12-31-21

DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	AS NOTED
DATE:	MARCH, 2021

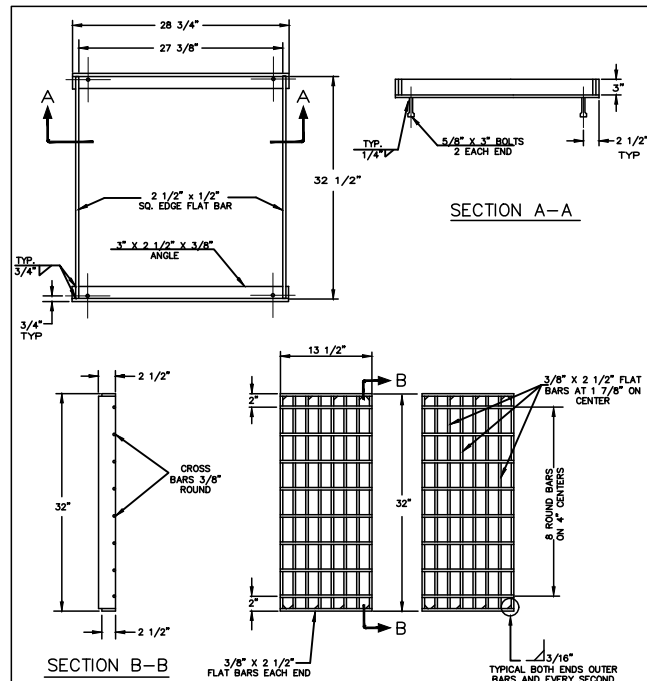
HALL STREET SHEETS

JOB NO.

SHEET NO.

SHEET 6

7



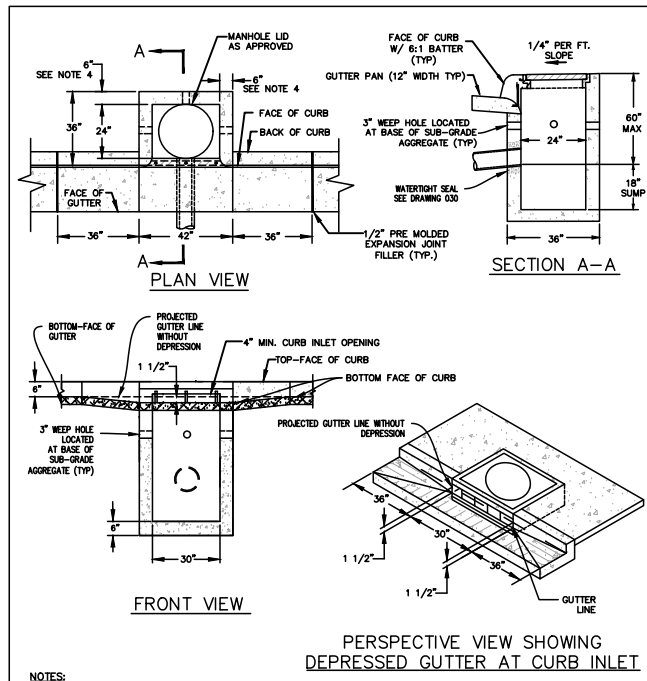
SECTION A-A

SECTION B-B

NOTE:
FRAME AND GRATE TO BE NEW STRUCTURAL ASTM A-36 FLAT BAR STEEL OR APPROVED EQUAL.

CATCH BASIN FRAME AND GRATE (CG-2)

DRAWING NO. 320 REVISED 10-31-19



PLAN VIEW

SECTION A-A

FRONT VIEW

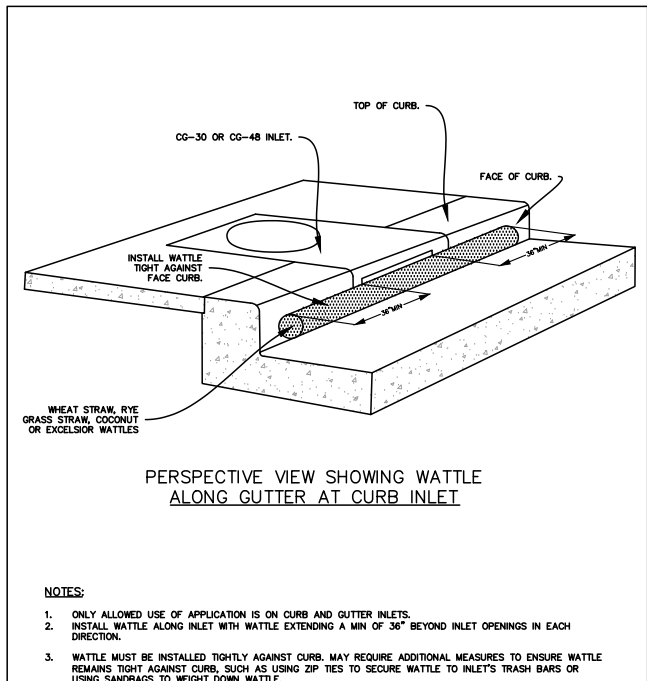
PERSPECTIVE VIEW SHOWING DEPRESSED GUTTER AT CURB INLET

NOTES:

1. ALL POURED IN PLACE CONCRETE SHALL HAVE A 28 DAY STRENGTH OF 3000 P.S.I. AND A SLUMP OF 2\"/>

INLET CATCH BASIN (CG-30)

DRAWING NO. 330 REVISED 10-31-19



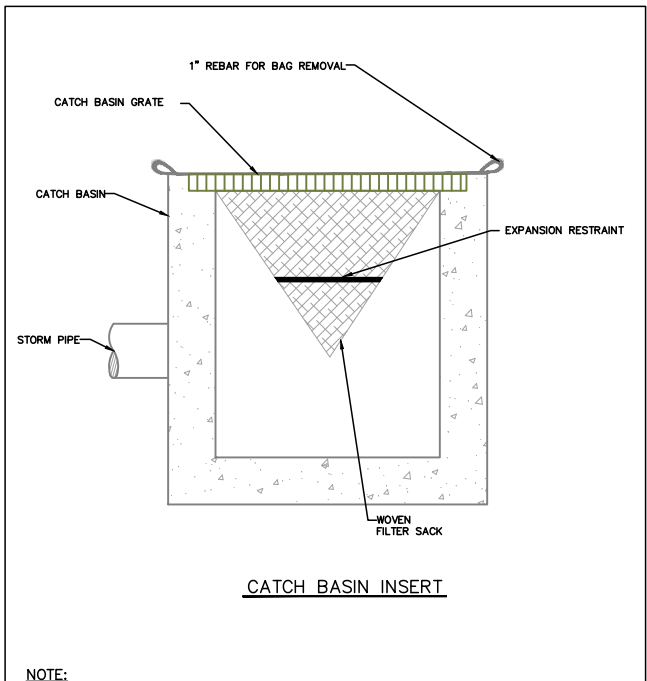
PERSPECTIVE VIEW SHOWING WATTLE ALONG GUTTER AT CURB INLET

NOTES:

1. ONLY ALLOWED USE OF APPLICATION IS ON CURB AND GUTTER INLETS.
2. INSTALL WATTLE ALONG INLET WITH WATTLE EXTENDING A MIN OF 36\"/>

CURB AND GUTTER INLET PROTECTION

DRAWING NO. 905 REVISED 10-31-19



CATCH BASIN INSERT

NOTE:

1. RECESSED CURB INLET CATCH BASINS MUST BE BLOCKED WHEN USING FILTER FABRIC INLET SACKS. SIZE OF FILTER FABRIC INLET SACKS TO BE DETERMINED BY MANUFACTURER.

FOR FURTHER INFORMATION ON DESIGN CRITERIA SEE CHAPTER 4 OF CLEAN WATER SERVICES EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.

INLET PROTECTION TYPE 5

DRAWING NO. 920 REVISED 10-31-19

DETAILS

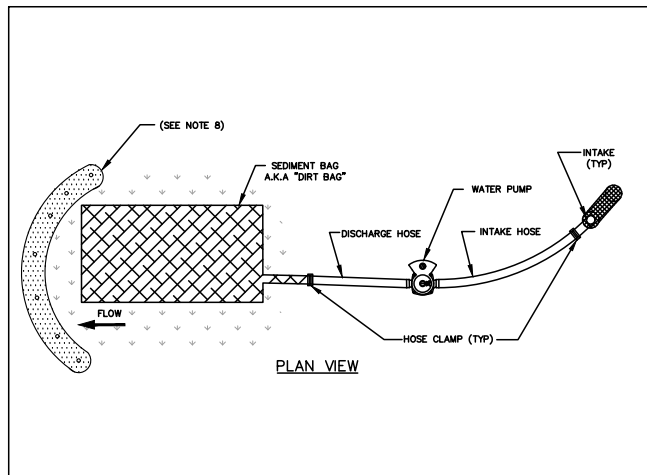
HALL STREET PAVEMENT AND STORM REHABILITATION

LOCATED IN SECTIONS 32A, T2S, R1W, W.M. IN THE CITY OF SHERWOOD, WASHINGTON COUNTY, OREGON

- NOTES:**
1. WHEN RAINFALL AND RUNOFF OCCURS, A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES, PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS WHO WORKS FOR THE PERMITTEE MUST PROVIDE DAILY INSPECTIONS OF THE EROSION AND SEDIMENT CONTROLS AND DISCHARGE OUTFALLS.
 2. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND FROM OCTOBER 1 THROUGH MAY 31ST EACH YEAR.
 3. DURING WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORK DAY.
 4. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWN GRADIENT SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
 5. ALL ACTIVE INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
 6. SIGNIFICANT AMOUNTS OF SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND PLACED BACK ON THE SITE AND STABILIZED OR PROPERLY DISPOSED. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
 7. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES.
 8. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF 1/3 RD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURES REMOVAL.
 9. CLEANING OF ALL STRUCTURES WITH SLUMPS MUST OCCUR WHEN THE SEDIMENT RETENTION CAPACITY HAS BEEN REDUCED BY 50% AND AT COMPLETION OF PROJECT.
 10. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
 11. THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, USED OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, OR OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
 12. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN ANY WATER WAY RIPARIAN ZONE.
 13. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH CURRENT CLEAN WATER SERVICES STANDARDS AND STATE AND FEDERAL REGULATIONS.
 14. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS TO BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
 15. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BMPs THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE, PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION. THESE BMPs MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
 16. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE NO LATER THAN SEPTEMBER 1ST; THE TYPE AND PERCENTAGES OF SEED IN THE MIX ARE AS IDENTIFIED ON THE PLANS OR AS SPECIFIED BY THE DESIGN ENGINEER.
 17. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPs. SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMAL SPILLAGE.
 18. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED, PREFERABLY VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL BMP (I.E. FILTER BAG).
 19. THE ESC PLAN MUST BE KEPT ON SITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
 20. THE ESC MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
 21. WRITTEN ESC LOGS ARE SUGGESTED TO BE MAINTAINED ON SITE AND AVAILABLE TO DISTRICT INSPECTORS UPON REQUEST.
 22. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPs MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES.
 23. ALL EXPOSED SOILS MUST BE COVERED, AT END OF BUSINESS DAY, DURING WET WEATHER PERIOD, FROM OCTOBER 1 - MAY 31.

STANDARD EROSION CONTROL NOTES FOR SITES LESS THAN 1 ACRE

DRAWING NO. 945 REVISED 10-31-19



PLAN VIEW

NOTES:

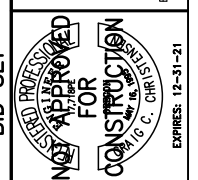
1. THE SEDIMENT BAG SHALL BE MANUFACTURED USING A POLYPROPYLENE 8 OZ. NON-WOVEN GEOTEXTILE SEWN INTO A BAG WITH A DOUBLE NEEDLE, USING A HIGH STRENGTH THREAD.
2. EACH STANDARD SEDIMENT BAG MUST HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE A 4\"/>

SEDIMENT BAG

DRAWING NO. 950 REVISED 10-31-19

CITY OF SHERWOOD ENGINEERING DEPARTMENT
SHERWOOD, OREGON 97140

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FAX: (503) 625-0629
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BID SET

DESIGNED BY:	CCC
DRAWN BY:	CCC
CHECKED BY:	RS/AS
FULL SIZE SCALE:	AS NOTED
DATE:	MARCH, 2021
HALL STREET SHEETS	

REVISIONS

NO.	DESCRIPTION

JOB NO. _____

SHEET NO. _____

SHEET **7** OF **7**