MONROE STREET REHABILITATION BETWEEN 1ST STREET AND 2ND STREET

LEGEND

EXISTING				
	- PROPERTY LINE		(ww)	WASTEWATER MANHOLE
	- ADJOINER PROPERTY	LINE	SD	STORM DRAIN MANHOLE
	= CURB			
	- EDGE OF ASPHALT			CATCH BASIN
(E)OHP	- OVERHEAD WIRES			
——(E)G——(E)G—	– GAS LINE		•	SIGN
(E)SD	- STORMWATER LINE			GUY WIRE
———(E)WW ———	- WASTEWATER LINE		رت ر	
————(E)W———	- WATER LINE			TELEPHONE RISER
———— (E)T ————	- UNDERGROUND TELEP	HONE LINE	 	GAS VALVE
	CONTOUR LINE		0	CLEAN OUT
— X — X —	– FENCE		· · · · ·	
<u> </u>	- EDGE OF GRAVEL LIN	E		CUNCRETE
+\$+	FIRE HYDRANT		$\sim\sim$	BUILDING
WM	WATER METER		AD	
\bowtie	WATER VALVE		Eis	DECIDUOUS TREE
\bowtie	WATER IRRIGATION VA	LVE		
	HOSE BIB			EVERGREEN TREE
PROPOSED			/ \	
— · — · — · –	- PROPERTY LINE			
	- ADJOINER PROPERTY	LINE		
	= CURB			
	- STORMWATER LINE			
	- WASTEWATER LINE			
—— w —— w ——	– WATER LINE			
	CONTOUR LINE			
— <u>X X</u>	– FENCE			
· 4 · · ·	CONCRETE			
	Δςρήδι τ			
• •				
7	WATER METER			
	STORM REALS MANUO			
	STORM DRAIN MANHO	LE		
	CATCH BASIN			
	MAIL BUX			
.	SIGN			
_	GUY WIRE			
Ϋ́C	ELECTRIC POLE			
ABBREVIATIONS				
TC TOP OF CURB		HORZ. HOR		
GL GUTTER LINE		VERT. VER ODOT ORF	IICAL GON DEPARTM	FNT OF
AC ASPHALT CONCRET	Ē	TRAI	NSPORTATION	
BW BACK OF WALK			IT OF CURVAT	URE
MAX. MAXIMUM		PVI POIN	IT OF VERTICA	L INTERSECTION
MIN. MINIMUM		LVC LEN	GTH OF VERTIC	
STA. STATION	ARE INCH	EVCS END	VERTICAL C	RVE STATION
HWY. HIGHWAY		BVCE BEG	N VERTICAL C	
SID. STANDARD DWG DRAWING		EVCE END PCC POIN	VERTICAL CU	KVE ELEVATION JND CURVE
W/L WATERLINE		PRC POIN	IT OF REVERS	E CURVE
EX. EXISTING			TERLINE -	
SAN SANITARY		R RIGH	IT	
LAT LATERAL		WW WAS		
IL INVERT ELEVATION		55 SAN SD STOI	RM DRAIN	
FG FINISHED GRADE		STM STO	RM	
EG EXISTING GRADE		MH MAN CB CATO	HOLE CH BASIN	
		DCVA DOU	BLE CHECK V	ALVE ASSEMBLY

Harrisburg Boat Ramp 🚯 Riverfront Park 0 N

HARRISBURG, OREGON



Branch ENGINEERING civil • transportation structural • geotechnical SURVEYING 310 5th Street Springfield, OR 97477 p: 541.746.0637 www.BranchEngineering.com EXPIRES: DECEMBER 31, 2022 project title: -ATION REHABIL STREET ND FROM 1ST STREET TO 2 HARRISBURG, OREGON S ВО MONR revisions: MARCH 21, 2022 date: GAM drawn by: GAM designer: project no: 21-009C COVERSHEET sheet: **C**0

SHEET #	SHEET TITLE
CO	COVER SHEET
C1	GENERAL NOTES & TYPICAL SECTIONS
C2	EXISTING CONDITIONS & DEMOLITION PLAN MONROE STREET
C3	STREET IMPROVEMENTS PLAN & PROFILE
C4	ADA RAMP DETAILS
C5	WATERLINE PLAN & PROFILE
C6	DETAILS
C7	DETAILS
C8	DETAILS

UTILITY PROVIDERS							
UTILITY	PHONE NUMBER						
WATER	CITY OF HARRISBURG	541-995-6655					
SEWER	CITY OF HARRISBURG	541-995-6655					
STORM	CITY OF HARRISBURG	541-995-6655					
ELECTRIC	PACIFIC POWER	503-255-4634					
GAS	NW NATURAL	503-220-2415					
TELEPHONE	CENTURY LINK	800-283-4237					
TELEVISION	COMCAST	541-230-0079					

- 1. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF HARRISBURG, LINN COUNTY AND ODOT.
- 2. ATTENTION: OREGON LAW REQUIRES YOU 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. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 800-332-2334 or 811).
- 3. CONTRACTOR TO NOTIFY CITY, COUNTY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION. AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.
- 4. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT.
- 5. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT-OF-WAY OR EASEMENTS SHALL CONFORM TO APPROVING AGENCIES' CONSTRUCTION SPECIFICATIONS WHEREIN EACH HAS JURISDICTION, INCLUDING BUT NOT LIMITED TO THE CITY, COUNTY, OREGON HEALTH DIVISION (OHD) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).
- 6. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH SATURDAY.
- 7. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.
- 8. ANY INSPECTION BY THE CITY, COUNTY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.
- 9. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS. AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR OWNER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
- 10. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.
- 11. CONTRACTOR SHALL PROCURE AND CONFORM TO DEQ STORMWATER PERMIT NO. 1200C FOR CONSTRUCTION ACTIVITIES WHERE 1 ACRE OR MORE ARE DISTURBED.
- 12. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY AND COUNTY REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND/OR RESIDENTS REGARDING ACCESS DURING CONSTRUCTION. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY, COUNTY AND ODOT FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT
- 13. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED. FAILURE TO OBTAIN NECESSARY INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNINSPECTED WORK.
- 14. UNLESS OTHERWISE SPECIFIED, THE ATTACHED "REQUIRED TESTING AND FREQUENCY" TABLE OUTLINES THE MINIMUM TESTING SCHEDULE FOR THE PROJECT. THIS TESTING SCHEDULE IS NOT COMPLETE, AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING ALL NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED. REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.
- 15. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION. IF ANY SURVEY MONUMENTS ARE REMOVED. DISTURBED OR DESTROYED DURING CONSTRUCTION OF THE PROJECT. THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF OREGON TO REFERENCE AND REPLACE ALL SUCH MONUMENTS PRIOR TO FINAL PAYMENT. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY PER ORS 209.150.
- 17. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON BORING METHODS. PRIOR TO EXCAVATING, CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER OR THE OWNER'S REPRESENTATIVE SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION.
- 18. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT. MAINTAIN. OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND OWNER'S REPRESENTATIVE.
- 19. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.
- 20. CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.

- NUT

- LEAKAGE.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, AND DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.

22. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.

23. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATING

24. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDED AREAS FAIL TO GERMINATE, THE CITY'S REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.

25. ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.

26. THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT ON SITE TO PRODUCE A FIRM, SMOOTH, UNDISTURBED SUBGRADE AT THE TRENCH BOTTOM, TRUE TO GRADE. THE BOTTOM OF THE TRENCH EXCAVATION SHALL BE SMOOTH, FREE OF LOOSE MATERIALS OR TOOTH GROOVES FOR THE ENTIRE WIDTH OF THE TRENCH PRIOR TO PLACING THE GRANULAR BEDDING MATERIAL.

27. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED QUARRY ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-O CRUSHED QUARRY ROCK IN THE PIPE ZONE (CRUSHED QUARRY ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED QUARRY ROCK OR CDF TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING PAVEMENT, SIDEWALKS, FOUNDATION SLABS, BUILDINGS, ETC. IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).

28. GRANULAR TRENCH BEDDING AND BACKFILL SHALL BE CRUSHED QUARRY ROCK CONFORMING TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).

29. ALL PIPED UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.

30. THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2-X-4 PAINTED WHITE AND WIRED TO PIPE STUB. THE PIPE DEPTH SHALL BE WRITTEN ON THE POST IN 2" BLOCK LETTERS.

31. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN WIRE FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, CATCH BASINS, MANHOLES AND LATERAL CLEANOUT BOXES. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.

32. NO TRENCHES IN SIDEWALKS, ROADS, OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE CLOSED BEFORE THE END OF EACH WORKDAY AND NORMAL TRAFFIC AND PEDESTRIAN FLOWS RESTORED.

33. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.

34. ALL WATER MAINS AND SANITARY SEWER FORCE MAINS SHALL BE C-900 PVC (DR 18) RESPECTIVELY. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE DUCTILE IRON FITTINGS IN CONFORMANCE WITH AWWA C-153 OR AWWA C-110. THE MINIMUM WORKING PRESSURE FOR ALL MJ CAST IRON OR DUCTILE IRON FITTINGS 4-INCHES THROUGH 24-INCH IN DIAMETER SHALL BE 350 PSI FOR MJ FITTINGS AND 250 PSI FOR FLANGED FITTINGS.

35. ALL WATER MAINS TO BE INSTALLED WITH A MINIMUM 36 INCH COVER TO FINISH GRADE UNLESS OTHERWISE NOTED OR DIRECTED. WATER SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM 30-INCH COVER. DEEPER DEPTHS MAY BE REQUIRED AS SHOWN ON THE DRAWINGS OR TO AVOID OBSTRUCTIONS.

36. THRUST RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER LOCAL JURISDICTION REQUIREMENTS AND AS SPECIFIED OR SHOWN ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER, ALL VALVES SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES.

37. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT AND MATERIALS (INCLUDING PLUGS, BLOWOFFS, VALVES, SERVICE TAPS, ETC.) REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.

38. WHERE SANITARY SEWER LINES CROSS ABOVE OR WITHIN 18-INCHES VERTICAL SEPARATION BELOW A WATERLINE, SEWER MAINS AND/OR SERVICE LATERALS SHALL BE REPLACED WITH A 18-FOOT LENGTH OF CLASS 50 DUCTILE IRON OR C-900 PVC PIPE (DR 18) CENTERED AT THE CROSSING IN ACCORDANCE WITH OAR 333 AND LOCAL JURISDICTION REQUIREMENTS. CONNECT TO EXISTING SEWER LINES WITH APPROVED RUBBER COUPLINGS. EXAMPLE: FOR AN 8-INCH WATERLINE WITH 36-INCHES COVER, 4-INCH SERVICE LATERAL INVERTS WITHIN 5.67-FEET (68-INCHES) OF FINISH GRADE MUST BE DI OR C-900 PVC AT THE CROSSING. CENTER ONE FULL LENGTH OF WATERLINE PIPE AT POINT OF CROSSING THE SEWER LINE OR SEWER LATERAL.

39. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND FACILITIES TO TEST SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TESTING SCHEDULE HEREIN OR THE CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR

40. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH FRANCHISE UTILITIES FOR REMOVAL OR RELOCATION OF POWER POLES. VAULTS, PEDESTALS, MANHOLES, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.

41. CONTRACTOR TO COORDINATE AND NOTIFY WITH ALL PROPERTY OWNERS A MINIMUM OF 48 HOURS IN ADVANCE WHENEVER A CITY'S UTILITY (WATER, SEWER, &/OR STORM) SERVICE WILL BE DISRUPTED FOR ANY AMOUNT OF TIME.

REQUIRED TESTING AND (IF APPLICA STREETS, PARKING LOTS, PADS, F 1 TEST/6,000 S.F./LIF ASPHALT: PIPED UTILITIES, ALL TRENCH BACKFILL: 1 TEST/200 FOOT TRENCH AC RESTORATION: 1 TEST WATER PRESSURE TEST: (TO BE WITNESSE OR APPROVING A BACTERIAL WATER TEST: PER OREGON CHLORINE RESIDUAL TEST: PER CI SANITARY SEWER (GRAVITY) PIPE: -AIR OR HYDROSTATIC F -DEFLECTION TESTING PE -VIDEO INSPECTION PER MANHOLES: VACUUM TESTING PER OD CONCRETE SLUMP, AIR & CYLINDERS FOR ALL S AND PCC PAVEMENTS. UNLESS OTHE CYLINDERS PER 100 CUBIC YARDS (C CONCRETE POURED PER DAY. SLUM SAME LOAD AS CYLINDERS. NOTE 1: "OTHERS" REFERS TO CITY'S AUTHORIZED REPRESENTATIVE OF APPROVING AGENCY AS APPLICABLE. CONTRACTOR RESPONSIBLE FOR SCHEDULING TESTING. ALL TESTING MUST BE COMPLETED PRIOR TO PERFORMING SUBSEQUENT WORK. NOTE 2: TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY OR COMPANY.

NOTE 3: IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF ROLLED WITH A LOADED 10 YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR. BASEROCK PROOFROLL SHALL TAKE PLACE IMMEDIATELY PRIOR TO (WITHIN 24 HOURS OF) PAVING, AND SHALL BE WITNESSED BY THE CITY'S AUTHORIZED REPRESENTATIVE OR APPROVING AGENCY. LOCATION AND PATTERN OF PROOFROLL TO BE DIRECTED BY SAID CITY'S REPRESENTATIVE OR APPROVING AGENCY.

NOTE 4: TO BE WITNESSED BY THE CITY'S REPRESENTATIVE OR APPROVING AGENCY. THE CONTRACTOR SHALL PERFORM PRE-TESTS PRIOR TO SCHEDULING WATERLINE OR SANITARY SEWER PRESSURE TESTS, OR PIPELINE MANDREL TEST.

CONSTRUCTION NOTES

- STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- -CONCRETE SIDEWALK TO BE 4" THICK PER OREGON STANDARD DRAWING RD720 OVER 4" OF 1"-0"
- CRUSHED QUARRY ROCK.
- GUTTER PAN SLOPE.



(NOT TO SCALE)

FREQUENCY TABLE	PARTY RESPONSIBLE FOR PAYMENT								
BLE)	(CONTRACTOR	OTHERS (see note 1)						
ILLS, ETC									
T (4 MIN.)	Х	SEE NOTE 2							
T TRENCH/LIFT (4 MIN.)	Х	SEE NOTE 2							
7/300 FOOT OF TRENCH (4 MIN.)	Х	SEE NOTE 2							
ED BY OWNER'S REPRESENTATIVE GENCY)	Х	SEE NOTE 4							
N HEALTH DIVISION	Х	SEE NOTE 2							
ITY REQUIREMENTS	Х	SEE NOTE 2							
ER ODOT REQUIREMENTS. ER ODOT REQUIREMENTS. ODOT REQUIREMENTS.	Х	SEE NOTE 2							
DOT REQUIREMENTS	Х	SEE NOTE 2							
TRUCTURES CURBS, SIDEWALKS ERWISE SPECIFIED, ONE SET OF DR PORTION THEREOF) OF P & AIR TESTS REQUIRED ON	Х	SEE NOTE 2							

(1) \rightarrow pavement base course shall be one 2" lift of level 2, 1/2" dense graded hmac. Wearing COURSE SHALL BE ONE 2" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. FOLLOW 2021 OREGON

COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. FOLLOW 2021

(3) → PORTLAND CEMENT CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI WITHIN 28 DAYS. FOLLOW 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.

(6) -- PLACE TOPSOIL (2" THICK) AND GRASS SEED MIX PER OREGON STANDARD SPECIFICATIONS SECTION 01040.14 AND 01030.13 LAWN SEED MIX TO BE APPROVED BY CITY.

 $(7) \rightarrow$ Geotextile subgrade separation fabric to be propex geo-solutions geotex 200st.

civil • tran structural • g S U R V E 310 5th Springfield, p: 541.72 www.BranchEng CSTERED F KNG IV #53,8 DIGITALL	ERING Since 1977 s portation eotechnical Y I N G Street OR 97477 6.0637 gineering.com
Expires: Decen	A. MO A. MO INDER 31, 2022
MONROE STREET REHABILITATION	FROM 1ST STREET TO 2ND STREET
revisions:	HARRISBURG, OREGON
date: MARO	CH 21, 2022
drawn by:	GAM
designer:	GAM
project no:	21-009C
GENERAL	NOTES
& T	YPICAL
SEO	CTIONS



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200-CONSTRUCT PROPOSED WATERLINE AND SERVICES PER SHEET CA		
CONTRACTOR TO ADJUST EXISTING WASTEWATER MANHOLE.		
400-EXISTING STORM LINE TO REMAIN IN SERVICE.		
401-CONNECT NEW STORM PIPE TO EXISTING STORM PIPE USING APPROPRIATE		
402-FURNISH AND INSTALL 6" PVC D3034 STORM LINE. CLASS B BEDDING AND BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300.		
CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.		
FRELOCATED LIGHT POLE. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).		
CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER TYPICAL SECTIONS, SHEET C1.		
CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD750 OPTION N. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK BASE.		20
602-CONSTRUCT CONCRETE DRIVEWAY PER OREGON STANDARD DWG RD740 OPTION H. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK BASE.		↓ □
603-CONTRACTOR TO CONSTRUCT 6" THICK CONCRETE DRIVEWAY CONNECTION FROM PROPOSED DRIVEWAY TO EXISTING DRIVEWAY. MATCH EXISTING WITHIN 5 FEET OF PROPOSED BACK OF DRIVEWAY OR AS SHOWN ON PLANS.	I	 N
604 CONSTRUCT CURB RETURN WITH ADA RAMPS. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK BASE. SEE SHEET C4 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.		
CONSTRUCT ADA RAMP. PLACE 4" MINIMUM THICKNESS OF 1"-0"		
606-CONTRACTOR TO CONSTRUCT 4" THICK CONCRETE SIDEWALK CONNECTION FROM PROPOSED CURB TO EXISTING CONCRETE SIDEWALK. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK BASE.		
607-SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302.	0+	-50
608 CONTRACTOR TO CONSTRUCT AC REPAIR BY PLACING 4" OF COMPACTED LEVEL 2- 1/2" DENSE HMAC OR MATCH EXISTING THICKNESS (WHICHEVER IS GREATER) OVER COMPACTED CRUSHED QUARRY ROCK	-	(E
 PLACE TOPSOIL (2" THICK MINIMUM) AND GRASS SEED MIX PER OREGON STANDARD SPECIFICATIONS SECTION 01040.14 AND 01030.13 LAWN SEED MIX TO BE APPROVED BY CITY. 	L	
901-CONTRACTOR TO RE-INSTALL EXISTING SIGN IN AT BACK OF SIDEWALK OR LOCATION SHOWN.		
OCONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.		
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						CU	IRB RETURN D	ΑΤΑ				ABBREVIATION	NS	Rra	nch
			DESC.	C1	C2	C3	C4	C5	Сб	C7	C8	GL: GUTTER L		Lla	
			RADIUS	15.00'	15.00'	15.00'	20.00'	15.00'	15.00'	15.00'	15.00'	FG: FINISHED	L GRADE	ENGINE	EKING
			LENGTH	6.17'	29.71'	9.65'	25.74'	9.65'	6.74'	30.20'	23.49'	STA: STATION			Since 1977
			DELTA	23.5565°	113.4718°	36.8699°	73.7398°	36.8699*	25.7529 *	115.3502*	89.7416°	PC: POINT OF		structural •	geotechnical
			PC/PRC STA	CL STA 5+46.95	CL STA 5+40.95	CL STA 2+03.03	CL STA 2+12.03	CL STA 2+36.03	CL STA 4+03.72	CL STA 4+10.24	CL STA 4+16.68	L: LEFT R: RIGHT		S U R V	EYING
			PC/PRC OFFSFT	16.50 ² LT	15.25' LT	24.00' IT	21.00' LT	21.00' IT	24.00' IT	22.50° IT	20.00' RT	ELEV: ELEVATION	Ν	310 51 Springfield	h Street 1, OR 97477
			PC/PRC TC ELEV	311.38	311.04	310.77	310.86	310.88	310.48	310.46	310.55	4		p: 541.	746.0637
			1/4 Δ TC ELEV	_	310.75	_	-	_	_	310.49	310.74	1		www.BranchEr	igineering.com
			$1/2 \Delta$ TC ELEV	311.19	310.58	310.80	310.95	310.83	310.47	310.54	310.85	4			
			$3/4$ Δ IC ELEV	- 311.04	310.42	-	- 310.88	- 310.82	310.46	310.60	310.92	4		ERED	PROFES
				CL STA 5+40.95	CL_STA_1+28.95	CL_STA_2+12.03	CL STA 2+36.03	CL STA 2+45.00	CL_STA_4+10.24	CL STA 7+39.16	CL STA 8+10.01	1		CISTERING	NER
			PT/PRC STA	(1ST STR)	(MONROE STR)	(MONROE STR)	(MONROE STR)	(MONROE STR)	(MONROE STR)	(2ND STR)	(2ND STR)			JA 60 #53	5,800 (1) (1)
			PT/PRC OFFSET	15.25' LT	20.00' RT	21.00' LT	21.00' LT	24.00' LT	22.50' LT	22.20' RT	22.00' RT]			
			TC NOTE: TOP OF CURB ELEVINCHES OF CURB E RAMP. FOR EXACT INCLUDED IN THIS F	/ATIONS IN TABLE A XPOSURE REGARDLI ELEVATIONS SEE A PLAN SET.	BOVE ASSUME SIX ESS OF BEING IN AD DA RAMP DETAILS	A								Expires: Dec	<u>9, 200</u> <u>A. M</u> EMBER 31, 2022
	105 MONROE		145 MONROE		155 & 16	5 MONROE	175 & 185	MONROE	195 MO	NROE				project title:	
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(HOT TAP EXISTING 12" WATERLINE WITH TAPPING SLEEVE (12"X6" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 6" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED	20		SCALE) 20 EET)	40
(EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.	 Ņ			
	FURNISH AND INSTALL 6" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.			890	
•	-FURNISH AND INSTALL 6" – 45° VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 30 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.		20 <i>7</i> 204	(E)	(E)
•	-FURNISH AND INSTALL BLOW OFF PER ODOT STD DWG RD262. RESTRAIN ALL JOINTS WITHIN 80 FEET OF BLIND FLANGE.	0+50	4-	+75 1+00	
	FURNISH AND INSTALL NEW WATER SERVICE LINE, WATER METER AND BOX PER THE CITY OF HARRISBURG PRE-APPROVED MATERIALS: METER BOX (ARMORCAST PRODUCTS $12^{2}x20^{2}x12^{2}$ ROTOCAST BOX P6000485), WATER METER LID (ARMORCAST PRODUCTS $12^{2}x20^{2}x1-\frac{3}{4}^{2}$ RPM COVER W/ TOUCH READ HOLE A6000484-H1), NEW WATER METER ($3/4^{2}$ iPEARL BY SENSUS), BALL ANGLE METER VALVE ($1^{2}x3/4^{2}$ MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1^{2} POLYETHELYN SDR 7) AND CORPORATION STOP (1^{2} MUELLER) SERVICE SADDLES. BEDDING AND BACKFILL TO BE 1^{2} -0 ² CRUSHED QUARRY ROCK.	(E)SI	D(E)SD(I) (I) (I) (I)	(E)SD -18"	(E)SD
•	CONTRACTOR TO CONNECT NEW WATER SERVICE TO EXISTING SERVICE USING APPROPRIATE COUPLINGS AND FITTINGS. CONTRACTOR TO DETERMINE SIZE OF EXISTING SERVICE LINE AND INSTALL NEW SERVICE LINE TO MATCH. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.		(E)W		WIC
(CONTRACTOR TO CONNECT EXISTING 2 INCH WATER SERVICE TO NEW WATER LINE USING APPROPRIATE COUPLINGS AND FITTINGS.		-(E)W-	5+64 5 +64	
	ABANDON EXISTING WATERLINE IN PLACE ONCE NEW WATER LINE IS INSTALLED AND APPROVED FOR USE.		/		,
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