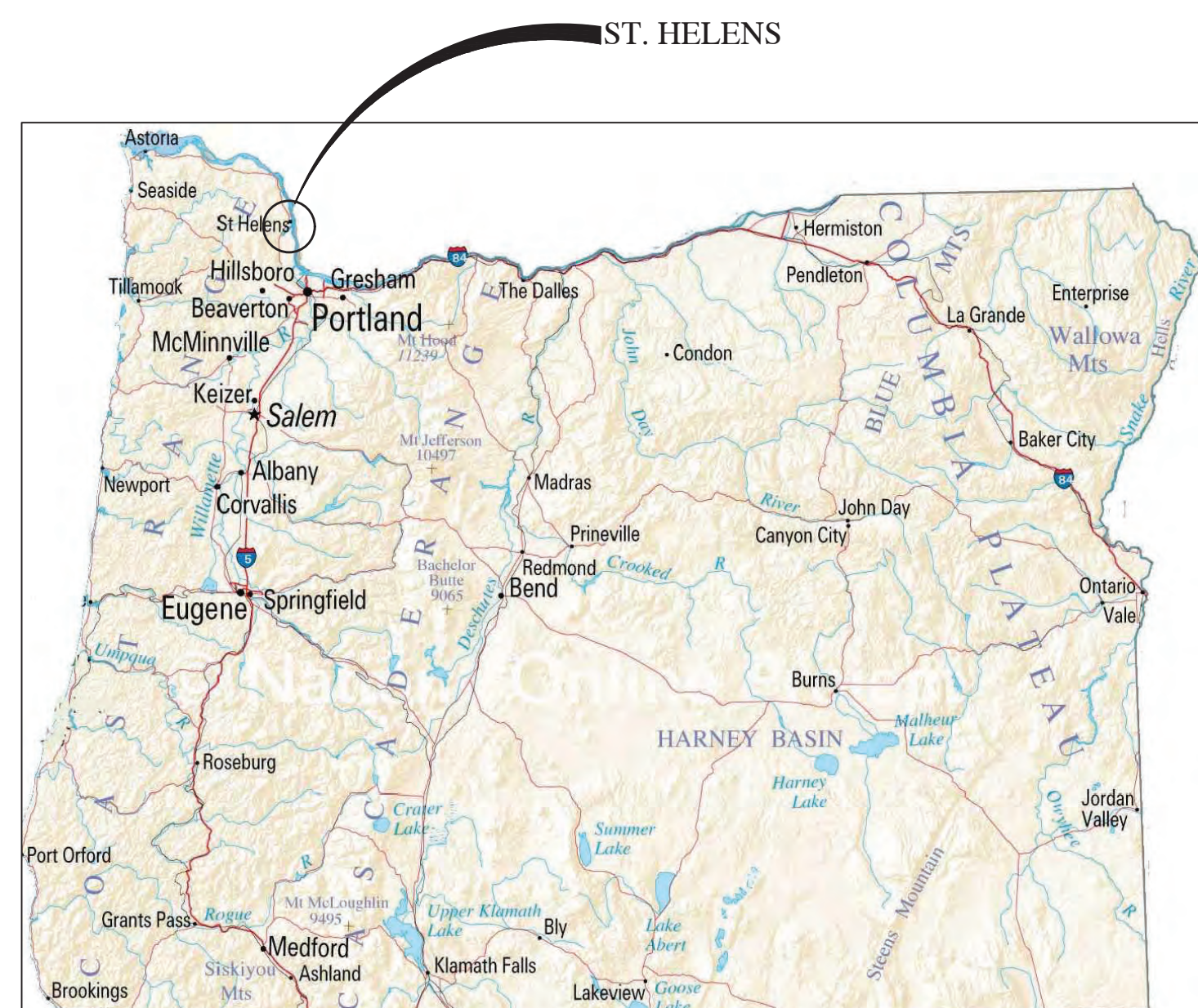




# CITY OF ST. HELENS, OREGON 2022 PAVING OVERLAY AND PATCHING PROJECT NO R-710

## DRAWING INDEX

SHEET NO.	DWG NO.	SHEET TITLE
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8.	R6	TYPICAL SECTIONS
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LOCATION MAP  
NTS

## LOCATES

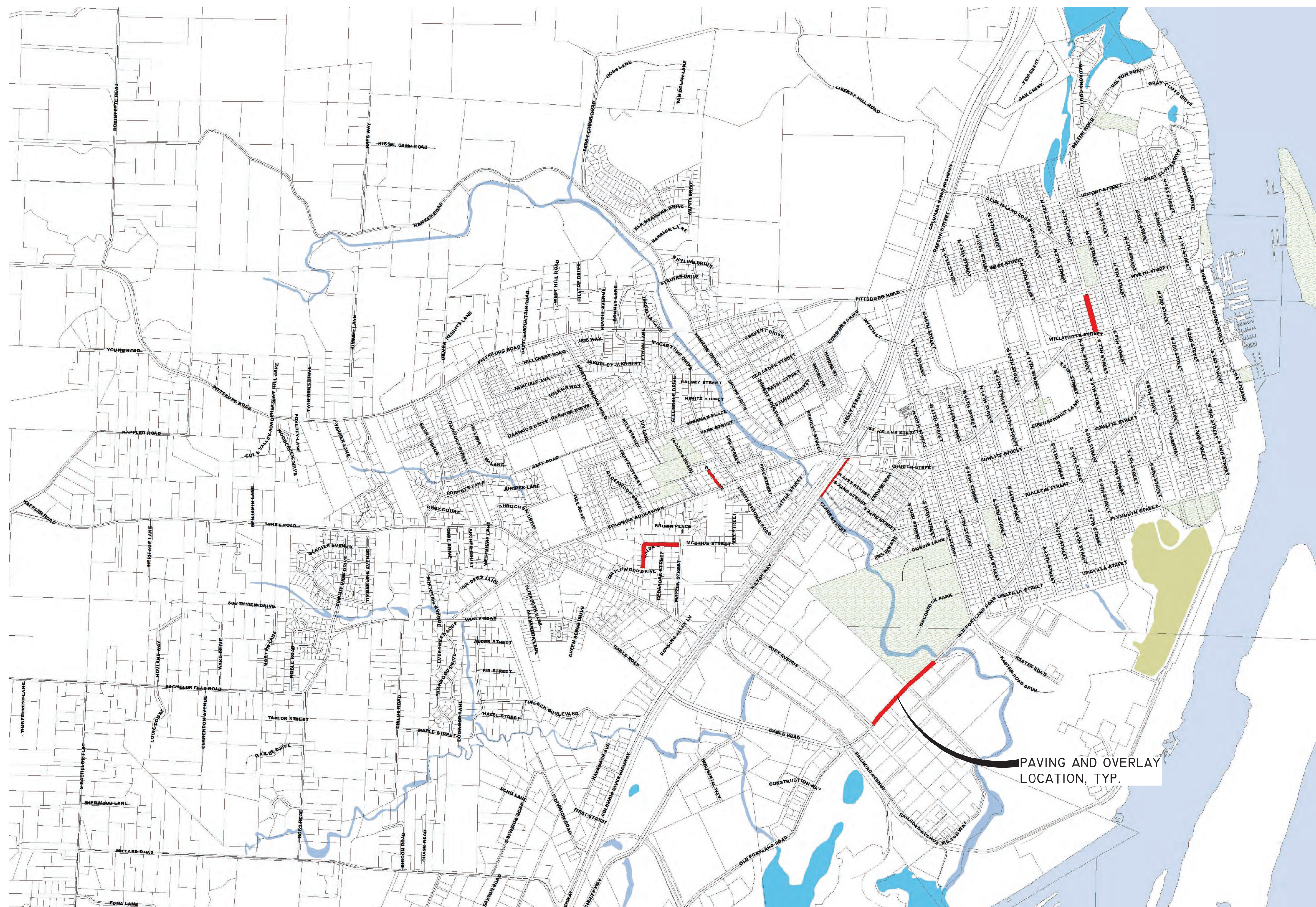
(48 HOUR NOTICE PRIOR TO EXCAVATION)

OREGON LAW REQUIRES YOU TO FOLLOW THE 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 FROM THE CENTER BY CALLING (503) 246-1987



ONE CALL SYSTEM 1-800-332-2344

PUBLIC WORKS SUPERVISOR, DAVE ELDER (503) 397-3532, MUST BE NOTIFIED 48 HOURS IN ADVANCE TO COORDINATE ANY TAPS OR WATER VALVE OPERATION. THE CONTRACTOR IS NOT ALLOWED TO OPERATE ANY WATER VALVES CONTROLLING FLOW TO NEW PIPING FROM THE CITY'S POTABLE WATER SYSTEM



VICINITY MAP  
NTS

PAVING AND OVERLAY  
LOCATION, TYP.

## \*\*IMPORTANT NOTE TO BIDDERS\*\*

BIDS SHALL ONLY BE CONSIDERED VALID IF THE BIDDER IS LISTED ON THE CITY'S OFFICIAL PLAN HOLDER LIST. BIDDERS WHO ACQUIRE PLANS AND SPECIFICATIONS FROM A WEBSITE OR A PLAN CENTER MUST CONTACT THE CITY AT (503) 397-6272 AND REQUEST TO BE PLACED ON THE CITY'S OFFICIAL PLAN HOLDER LIST FOR A NONREFUNDABLE FEE OF TEN DOLLARS (\$10.00)

NO.	REV. DATE	DESCRIPTION	REVISED BY	CHECKED BY	APPROVED BY



CITY OF ST. HELENS  
DEPARTMENT OF PUBLIC WORKS

265 Strand Street  
St. Helens, Oregon 97051  
(503) 397-6272  
www.sthelensoregon.gov



DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	SD

PROJECT NAME:	2022 PAVING OVERLAY AND PATCHING PROJECT
DATE:	5/11/2022
SCALE:	NTS
LINE MEASURES 1 INCH AT FULL SCALE ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.	

PROJECT NO:	RD-710
DRAWING NO:	G1
SHEET NO:	1 OF 10

**GENERAL NOTES:**

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE PROJECT PLANS AND SPECIFICATIONS AND SHALL BE IN ACCORDANCE WITH THE MOST CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AT THE DATE PROJECT WAS FIRST ADVERTISED FOR BID. THE CITY OF ST. HELENS OREGON ENGINEERING STANDARDS MANUAL, OREGON DEQ, AND OREGON STATE HEALTH DEPARTMENT SHALL APPLY AS APPLICABLE.
- ORGANIC AND UNDESIRABLE MATERIAL SHALL BE REMOVED FROM THE CONSTRUCTION AREA AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL LEAVE ALL AREAS OF PROJECT FREE OF DEBRIS AND UNUSED CONSTRUCTION MATERIAL.
- ANY CHANGES FROM APPROVED PLANS SHALL BE APPROVED IN WRITING BY THE CITY AND THE APPROPRIATE AGENCIES. COMPLEXITY OF MODIFICATIONS WILL DETERMINE IF REVISED PLANS ARE REQUIRED.
- CITY ENGINEERING STAFF SHALL BE SUPPLIED WITH MATERIAL CERTIFICATIONS FOR ALL MATERIALS USED ON PUBLIC INFRASTRUCTURE.
- BEDDING REQUIREMENTS WILL BE IN ACCORDANCE WITH APPLICABLE SPECIFICATIONS AND DETAILS.
- ONE SET OF PLANS SHALL BE KEPT ON SITE DURING ALL CONSTRUCTION. ANY CHANGES OR MODIFICATIONS SHALL BE NOTED AND KEPT AS REDLINE DRAWINGS TO BE SUBMITTED TO THE CITY WHEN THE PROJECT IS COMPLETED.
- A PRE-CONSTRUCTION MEETING WITH THE CITY AND THE CONTRACTOR IS REQUIRED PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL HOMES AND BUSINESSES AT ALL TIMES AND PROVIDE WRITTEN NOTICE TO ALL PROPERTY OWNERS AND/OR RESIDENTS AT LEAST TWO BUSINESS DAYS IN ADVANCE OF WORK IN AND/OR CROSSING DRIVEWAYS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EMERGENCY VEHICLE ACCESS TO ALL PROPERTIES AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ACCESS FOR MAIL AND TRASH AT ALL TIMES.
- LOCATIONS, SIZES, OR DEPTHS ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. PRIOR TO ANY CONSTRUCTION, EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR, INCLUDING ELEVATIONS, TYPE, AND SIZES OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL ADJUST NEW PIPING AS REQUIRED. CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY CONFLICTS NOT SHOWN ON THE PLANS AND SHALL KEEP EXISTING UTILITIES ON SERVICE AND PROTECT THEM DURING CONSTRUCTION. WHERE INTERRUPTION OF EXISTING FACILITIES IS REQUIRED, CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE TO ENGINEER AND THE AFFECTED UTILITY. CONTRACTOR SHALL ARRANGE FOR THE RELOCATION OF ANY UTILITIES IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
- CONTRACTOR SHALL DISPOSE OF ALL REMOVED OR REPLACED MATERIAL AND EQUIPMENT IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS, EXCEPT THOSE ITEMS DESIGNATED BY THE OWNER FOR SALVAGING. SALVAGED ITEMS SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE CAREFULLY REMOVED AND STORED AS DIRECTED.
- CONTRACTOR SHALL OBTAIN ALL NECESSARY CITY, COUNTY, STATE, AND UTILITY CONSTRUCTION PERMITS AND SHALL CONTACT EACH PERMITTING AGENCY AT LEAST TWO (2) BUSINESS DAYS PRIOR TO STARTING WORK. CONTRACTOR SHALL OBTAIN ALL REQUIRED LICENSES BEFORE STARTING CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF ORS 757.541 TO 757.571, AND SHALL NOTIFY EACH UNDERGROUND UTILITY AT LEAST 2 BUSINESS DAYS, BUT NOT MORE THAN 10 BUSINESS DAYS, PRIOR TO EXCAVATING, BORING, OR POTHOLING.
- NO ADDITIONAL PAYMENT SHALL BE MADE FOR UTILITY RELOCATION COORDINATION OR DELAYS CAUSED BY UTILITY CONFLICTS. ALL COSTS RELATED TO UTILITY COORDINATION AND RELOCATION, INCLUDING ADDITIONAL POTHOLING, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND INCLUDED IN THE UNIT PRICES OF THE BID.
- UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED 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 LESS THAN SIX INCHES IN DIAMETER, UNLESS OTHERWISE REQUIRED BY THE ENGINEER. UTILITIES SIX INCHES IN DIAMETER OR GREATER SHALL BE FILLED WITH APPROVED CLSM.
- CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENTATION CONTROL DEVICES AS REQUIRED DURING CONSTRUCTION PER THE REQUIREMENTS OF THE CITY OF ST. HELENS, COLUMBIA COUNTY, AND OREGON DEQ.
- CONTRACTOR SHALL NOTIFY THE ENGINEER AND OWNER 48 HOURS BEFORE STARTING CONSTRUCTION, AND 24 HOURS BEFORE RESUMING WORK AFTER SHUTDOWNS EXCEPT FOR NORMAL RESUMPTION OF WORK FOLLOWING SATURDAYS, SUNDAYS, OR HOLIDAYS. CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR A MINIMUM OF 48 HOURS PRIOR TO ANY TESTING OR REQUIRED INSPECTION.
- CONTRACTOR SHALL PROTECT ALL PROPERTY CORNERS, SURVEY MONUMENTS AND CONTROL POINTS. ANY SUCH ITEMS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, WITH APPROPRIATE SURVEYS FILED WITH THE COUNTY SURVEYOR.
- ALL EXISTING FEATURES, STRUCTURES, FENCES, GATES, LOTS, SWALES, DITCHES, CURBS, WALLS, MAILBOXES, SIGNS, POLES, GUY WIRES, PIPING, AND UTILITIES DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EQUAL OR BETTER CONDITION UNLESS OTHERWISE SPECIFIED. RESTORATION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- CONTRACTOR SHALL PROTECT TRAFFIC AT ALL TIMES DURING CONSTRUCTION. TRAFFIC CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER. TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCING WORK.
- PUBLIC WORKS SUPERVISOR, DAVE ELDER (503) 397-3532, MUST BE NOTIFIED 48 HOURS IN ADVANCE TO COORDINATE ANY TAPS OR WATER VALVE OPERATION. THE CONTRACTOR IS NOT ALLOWED TO OPERATE ANY WATER VALVES CONTROLLING FLOW TO NEW PIPING FROM THE CITY'S POTABLE WATER SYSTEM
- 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.
- AT THE END OF EACH WORK DAY ALL OPEN TRENCHES SHALL BE BACKFILLED AND ALL TRENCHES WITHIN STREETS SHALL BE TEMPORARILY PAVED OR COVERED TO THE SATISFACTION OF THE OWNER.
- STEEL SHEETS OVER TRENCHES ARE ALLOWED TO REMAIN IN PLACE FOR NO LONGER THAN FIVE DAYS UNLESS OTHERWISE APPROVED BY THE CITY. STEEL SHEETS MUST OVERLAP TRENCH EDGES A MINIMUM OF ONE FOOT AND ALL EDGES ARE TO HAVE ASPHALT RAMPS TO FACILITATE TRANSITIONS. STEEL SHEETS MUST BE PROPERLY ANCHORED TO PREVENT MOVEMENT.
- STREETS AND ROADS MAY REMAIN IN A DISTURBED STATE FOR NO LONGER THAN ONE WEEK. ALL CRUSHED ROCK AND CONSTRUCTION DEBRIS MUST BE CLEANED FROM EXISTING SURFACES DAILY.
- ANY INSPECTIONS BY THE CITY, COUNTY, STATE, FEDERAL AGENCY, PROJECT ENGINEER OR INSPECTOR SHALL NOT IN ANYWAY RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE, CODES, AND AGENCY REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN OF MUD, DUST, AND DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER.
- NO GEOTECHNICAL INVESTIGATIONS HAVE BEEN PERFORMED. HOWEVER, BASED ON PREVIOUS CONSTRUCTION WORK IN GENERAL AREA AND ON THE MOST RECENT USGS GEOLOGIC STUDIES IT IS ESTIMATED THE FIRST ONE TO THREE FEET OF SUBSURFACE WILL YIELD SOIL AND LOOSE ROCK AND FOR DEPTHS GREATER THAN THREE FEET, THE SUBSURFACE IS EXPECTED TO BE BASALT ROCK.
- CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITY CONFLICTS NOT SHOWN ON THE PLANS AND SHALL KEEP EXISTING UTILITIES ON SERVICE AND PROTECT THEM DURING CONSTRUCTION, WHERE INTERRUPTION OF EXISTING FACILITIES IS REQUIRED, CONTRACTOR SHALL PROVIDE 72 HOUR NOTICE TO ENGINEER AND AFFECTED UTILITY. CONTRACTOR SHALL ARRANGE FOR THE RELOCATION OF ANY UTILITIES IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
- CONTRACTOR SHALL REMOVE ASPHALT AS SHOWN ON THE PLANS. CITY CONSTRUCTION INSPECTOR MAY ADJUST WIDTH OF ASPHALT REMOVAL.
- CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS AND STRIPING WITHIN THE PROJECT AREA.
- CONTRACTOR TO DISPOSE OF ALL ASPHALT TAILINGS UPON COMPLETION OF PAVING OPERATIONS.
- CONTRACTOR SHALL ADJUST ALL EXISTING VALVES, BLOWOFFS AND OTHER MISCELLANEOUS BOXES AS NECESSARY TO MATCH NEW ASPHALT SURFACE GRADE.
- MANHOLES THAT REQUIRE REMOVAL OF LOWER LEVEL OF ASPHALT TO ADD CONCRETE GRADE RINGS OR OTHERWISE ADJUST THE FRAME WILL BE CONSIDERED INCIDENTAL TO THE "LEVEL 2, 1/2" ACP MIXTURE" PAVING BID ITEMS. THERE WILL BE NO PAYMENT FOR MANHOLE FRAMES THAT ONLY NEED TO HAVE THE ASPHALT GRENDED AROUND AND NEW ASPHALT OVERLAY MATCHING THE FRAME.
- MAXIMUM LIFT THICKNESS OF THE HMAC SHALL BE 3". SUBGRADE MUST BE COMPACTED TO 95% OF AASHTO T-99.
- FLAGGERS MUST BE USED FOR SINGLE LANE CLOSURES ON OLD PORTLAND ROAD. SINGLE LANE CLOSURES MAY ONLY OCCUR BETWEEN THE HOURS OF 8:30AM AND 4:30PM.

**LEGEND AND SYMBOLS:**

**GENERAL SYMBOLS**

- GRAVEL DRIVEWAY
- GRAVEL ROAD
- PAVED DRIVEWAY
- PAVED ROAD
- CURBED ROAD
- RAILROAD
- STREAM OR RIVER
- CITY PARKS
- BUILDING
- TAX LOT

**ROADWAY SYMBOLS**


- ROADWORK OVERVIEW
- 2 INCH GRIND AND OVERLAY
- 3 INCH GRIND AND OVERLAY
- 4 INCH GRIND AND (2) 2 INCH OVERLAY - 4 INCH TOTAL THICKNESS
- FULL DEPTH PAVEMENT SECTION - PER DETAIL 2, SHEET R6

**ABBREVIATIONS:**

ABAN	ABANDON, ABANONED	OD	OUTSIDE DIAMETER
AC, A/C, HMAC	ASPHALT CONCRETE	ODOT	OREGON DEPARTMENT OF TRANSPORTATION
AGG	AGGREGATE	OHW	OVERHEAD WIRE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	PERF	PERFORATED
APPROX	APPROXIMATELY	PERM	PERMANENT
ASSY	ASSEMBLY	PK	PARKING
AWWA	AMERICAN WATER WORKS ASSOCIATION	P/L	PROPERTY LINE
BLDG	BUILDING	PROP	PROPOSED
BM	BENCHMARK	PS	PUMP STATION
CB	CATCH BASIN	PSI	POUNDS PER SQUARE INCH
CCTV	CLOSED CIRCUIT TELEVISION	PVC	POLYVINYL CHLORIDE
CDF	CONTROLLED DENSITY FILL	PVMT	PAVEMENT
CI	CAST IRON	RCP	REINFORCED CONCRETE PIPE
CIPP	CURED IN PLACE PIPE	RD	ROAD
C/L, €	CENTERLINE	REHAB	REHABILITATION
CL	CLASS	R-O-W, R/W	RIGHT OF WAY
CLSM	CONTROLLED LOW STRENGTH MATERIAL	REQ'D	REQUIRED
CO, C/O	CLEANOUT	SS, SAN	SANITARY SEWER
CONC	CONCRETE	SSCO	SANITARY SEWER CLEANOUT
CONST	CONSTRUCTION	SPECS	SPECIFICATIONS
CP	CONCRETE PIPE	SQ	SQUARE
CR	CRUSHED ROCK	SQFT	SQUARE FOOT/FEET
CY, CYD	CUBIC YARD	ST	STREET
D	DRAIN	STA	STATION
DET	DETAIL	STD	STANDARD
DI, DIP	DUCTILE IRON PIPE	SD, STM	STORM DRAIN
DIA, Ø	DIAMETER	SDWK, S/W	SIDEWALK
DR	DRIVE	TEL	TELEPHONE
DWG	DRAWING	TEMP	TEMPORARY
DWY	DRIVEWAY	THRU	THROUGH
EA	EACH	TYP	TYPICAL
EG	EXISTING GRADE	VCP	VITRIFIED CLAY PIPE
EL, ELEV.	ELEVATION	VERT	VERTICAL
EOP	EDGE OF PAVEMENT	W, WL, WAT, WTR	WATER
EQUIP	EQUIPMENT	W/	WITH
ESC	EROSION AND SEDIMENTATION CONTROL	W/IN	WITHIN
ESMT	EASEMENT	W/O	WITHOUT
EXIST.	EXISTING		
FL	FLOWLINE		
FT	FEET, FOOT		
FTG	FITTING		
GAS	NATURAL GAS		
GAL, GALV	GALVANIZED		
GRVL	GRAVEL		
GV	GATE VALVE		
HDPE	HIGH DENSITY POLYETHELENE		
HORIZ	HORIZONTAL		
HWY	HIGHWAY		
ID	INSIDE DIAMETER		
IE	INVERT ELEVATION		
LF	LINEAR FEET		
LN	LANE		
MATL(S)	MATERIAL(S)		
MFR	MANUFACTURER		
MAX	MAXIMUM		
MH, MHL	MANHOLE		
MIN	MINIMUM		
MJ	MECHANICAL JOINT		
NO	NUMBER		
NTS	NOT TO SCALE		
OC	ON CENTER		

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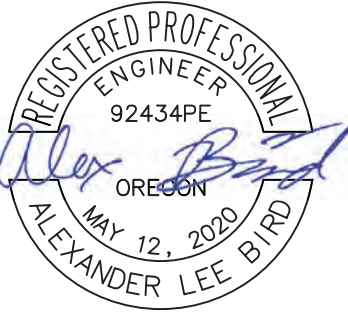
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## CITY OF ST. HELENS

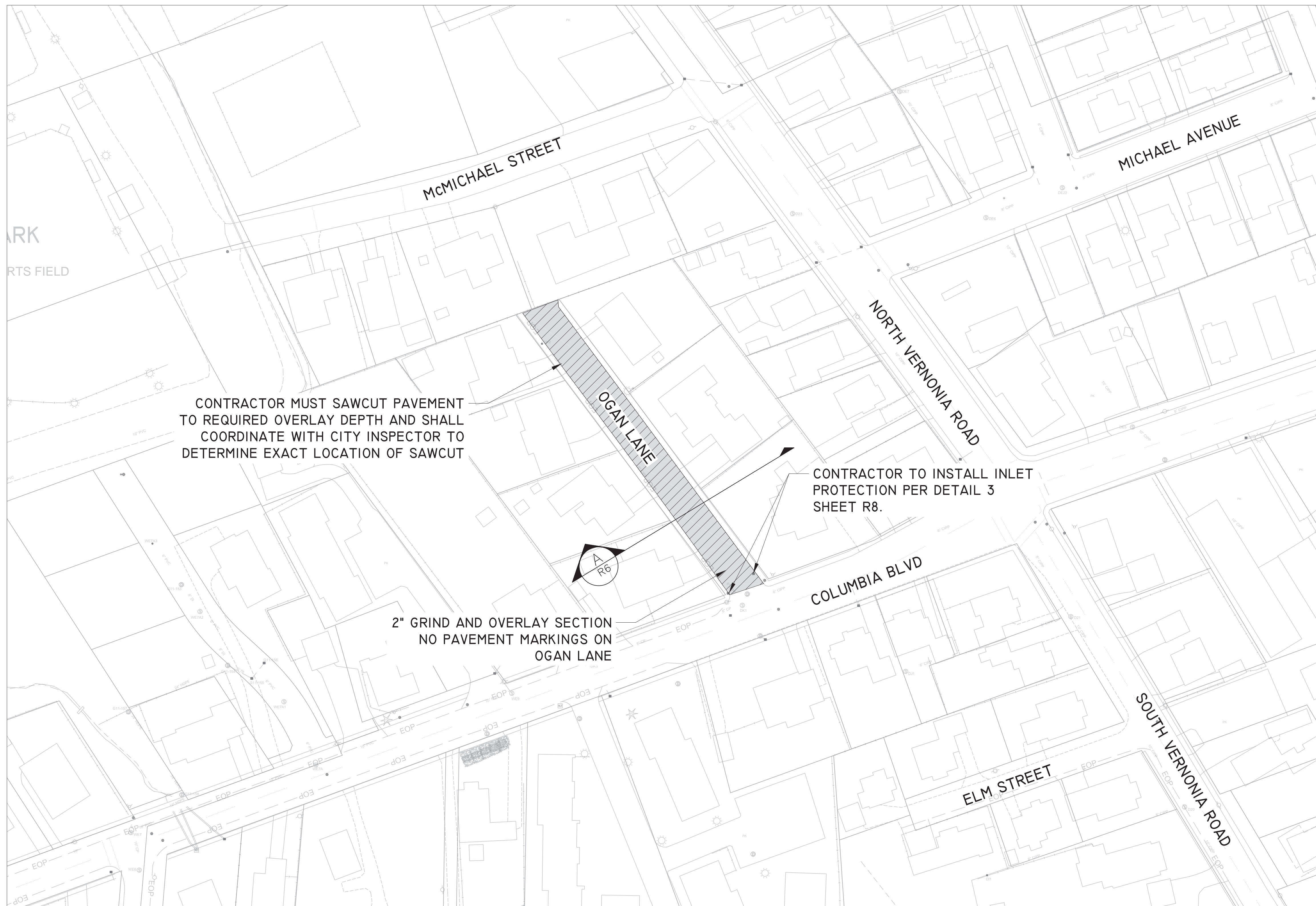
DEPARTMENT OF PUBLIC WORKS

265 Strand Street  
St. Helens, Oregon 97051  
(503) 397-6272  
www.sthelensoregon.gov



REGISTERED PROFESSIONAL ENGINEER  
92434PE  
ALEXANDER LEE BIRD  
MAY 12, 2005  
EXPIRES: 12/31/2023

DESIGN BY: AB	SHEET TITLE: GENERAL NOTES, LEGEND, AND ABBREVIATIONS		PROJECT NO: RD-710
DRAWN BY: AB	PROJECT NAME: 2022 PAVING OVERLAY AND PATCHING PROJECT		DRAWING NO: G2
CHECKED BY: SD	DATE: 5/11/2022	SCALE: NTS	SHEET NO: 2 OF 10
NOTE: ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS NOTED OTHERWISE.		LINE MEASURES 1 INCH AT FULL SCALE ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.	ISSUED FOR: CONSTRUCTION



**PLAN VIEW**

SCALE: HORZ. 1" = 50'

GRINDING QUANTITY			
LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
330	28	9580	1065
ASPHALT QUANTITY			
AREA (SY)	DEPTH (IN)	VOLUME (CY)	TONS
1065	2	59	120

NOTE: TABLE SUMMARIZES THE ENGINEER'S ESTIMATE. ACTUAL FIELD CONDITIONS AND QUANTITIES MAY VARY.

**GENERAL NOTES:**

- SEE SHEET R6 FOR TYPICAL SECTION DETAILS.
- ONE LANE MUST REMAIN OPEN DURING CONSTRUCTION. BOTH LANES ON OGAN LANE MUST BE OPENED AT THE END OF EACH WORK DAY.
- 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 PRIOR TO PAVING.
- NEW ASPHALT SHALL MATCH EDGE OF CATCH BASINS. THERE WILL BE NO ADJUSTING OF CATCH BASIN GRATES ALLOWED EXCEPT AS APPROVED BY THE ENGINEER.

FILE: P:\WORKING\2022\PROJECTS\OGAN LANE\2022 PAVING OVERLAY AND PATCHING PROJECT\DESIGN FILES\710 OVERLAY AND PATCHING 2022\DWG\A01.DWG (A01) DATE: [10/10/2022]

NO.	REV. DATE	DESCRIPTION	REVISED BY	CHECKED BY	APPROVED BY



**CITY OF ST. HELENS**  
DEPARTMENT OF PUBLIC WORKS

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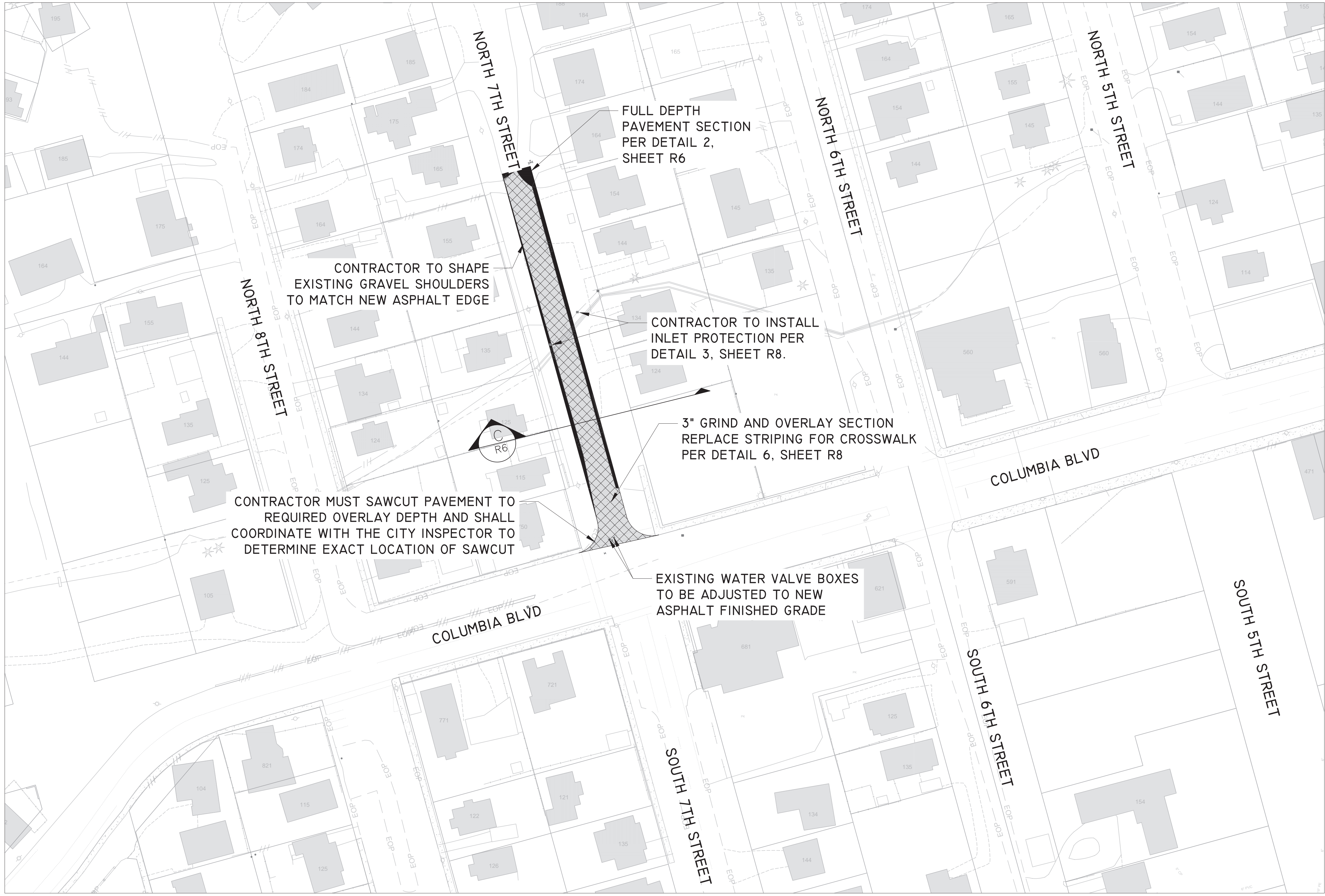


DESIGN BY:	AB
DRAWN BY:	AB
CHECKED BY:	SD
NOTE: ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS NOTED OTHERWISE.	

PROJECT NAME:	OGAN LANE
PROJECT TITLE:	2022 PAVING OVERLAY AND PATCHING PROJECT
DATE:	5/11/2022
SCALE:	1" = 50'
LINE MEASURES 1 INCH AT FULL SCALE ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.	ISSUED FOR: CONSTRUCTION

PROJECT NO:	RD-710
DRAWING NO:	R1
SHEET NO:	3 OF 10





**GENERAL NOTES:**

1. SEE SHEET R6 FOR TYPICAL SECTION DETAILS.
2. ONE LANE MUST REMAIN OPEN DURING CONSTRUCTION. BOTH LANES ON NORTH 7TH STREET MUST BE OPENED AT THE END OF EACH WORK DAY.
3. 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 PRIOR TO PAVING.
4. NEW ASPHALT SHALL MATCH EDGE OF CATCH BASINS. THERE WILL BE NO ADJUSTING OF CATCH BASIN GRATES ALLOWED EXCEPT AS APPROVED BY THE ENGINEER.
5. EXISTING SURFACE IS A COMBINATION OF DETERIORATED ASPHALT AND OIL MAT. CONTRACTOR MAY OPT TO REMOVE AND DISPOSE OF THE ASPHALT INSTEAD OF GRINDING.

**PLAN VIEW**  
SCALE: HORZ. 1" = 50'

GRINDING QUANTITY			
LENGTH (FT)	WIDTH (FT)	AREA (SF)	AREA (SY)
350	24	8440	938
ASPHALT QUANTITY			
AREA (SY)	DEPTH (IN)	VOLUME (CY)	TONS
938	3	78	160

NOTE: TABLE SUMMARIZES THE ENGINEER'S ESTIMATE. ACTUAL FIELD CONDITIONS AND QUANTITIES MAY VARY.

FULL DEPTH ROCK SECTION QUANTITY			
AREA (SF)	AREA (SY)	DEPTH (IN)	VOLUME (CY)
1856	207	6	35
FULL DEPTH ASPHALT QUANTITY			
AREA (SY)	DEPTH (IN)	VOLUME (CY)	TONS
207	3	17	35

NOTE: TABLE SUMMARIZES THE ENGINEER'S ESTIMATE. ACTUAL FIELD CONDITIONS AND QUANTITIES MAY VARY.

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NO.	REV. DATE	DESCRIPTION	REVISED BY	CHECKED BY	APPROVED BY



**CITY OF ST. HELENS**  
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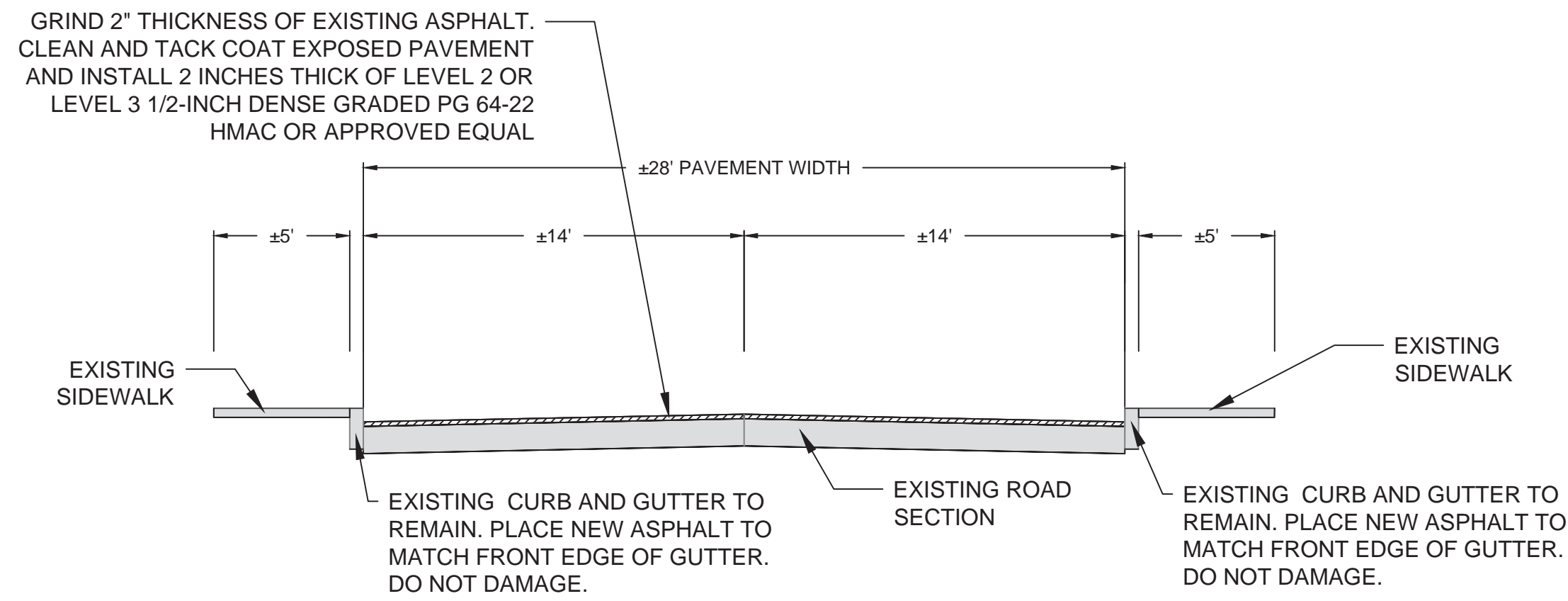


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DRAWN BY:	AB
CHECKED BY:	SD
NOTE: ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS NOTED OTHERWISE.	

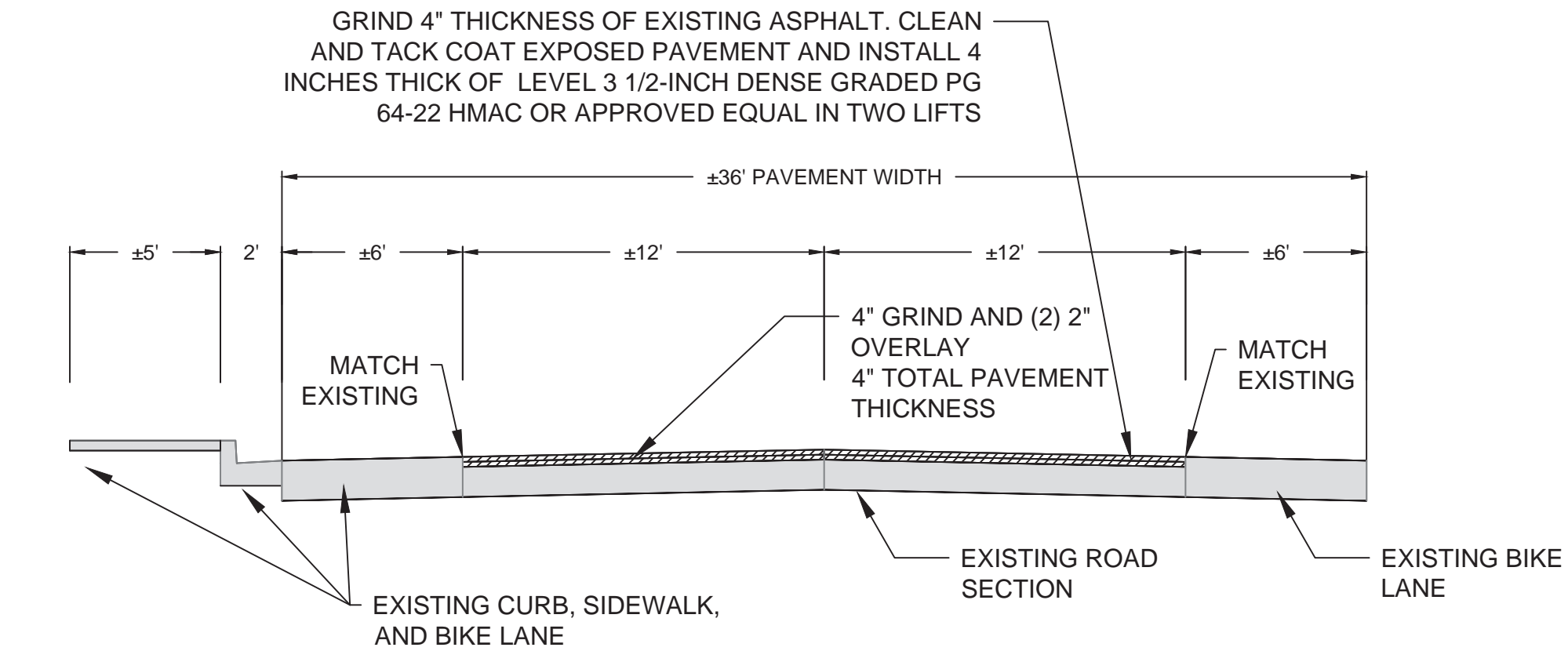
PROJECT NO:	RD-710
DRAWING NO:	R3
SHEET NO:	5 OF 10
DATE:	5/11/2022
SCALE:	1" = 50'
LINE MEASURES 1 INCH AT FULL SCALE ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.	ISSUED FOR: CONSTRUCTION



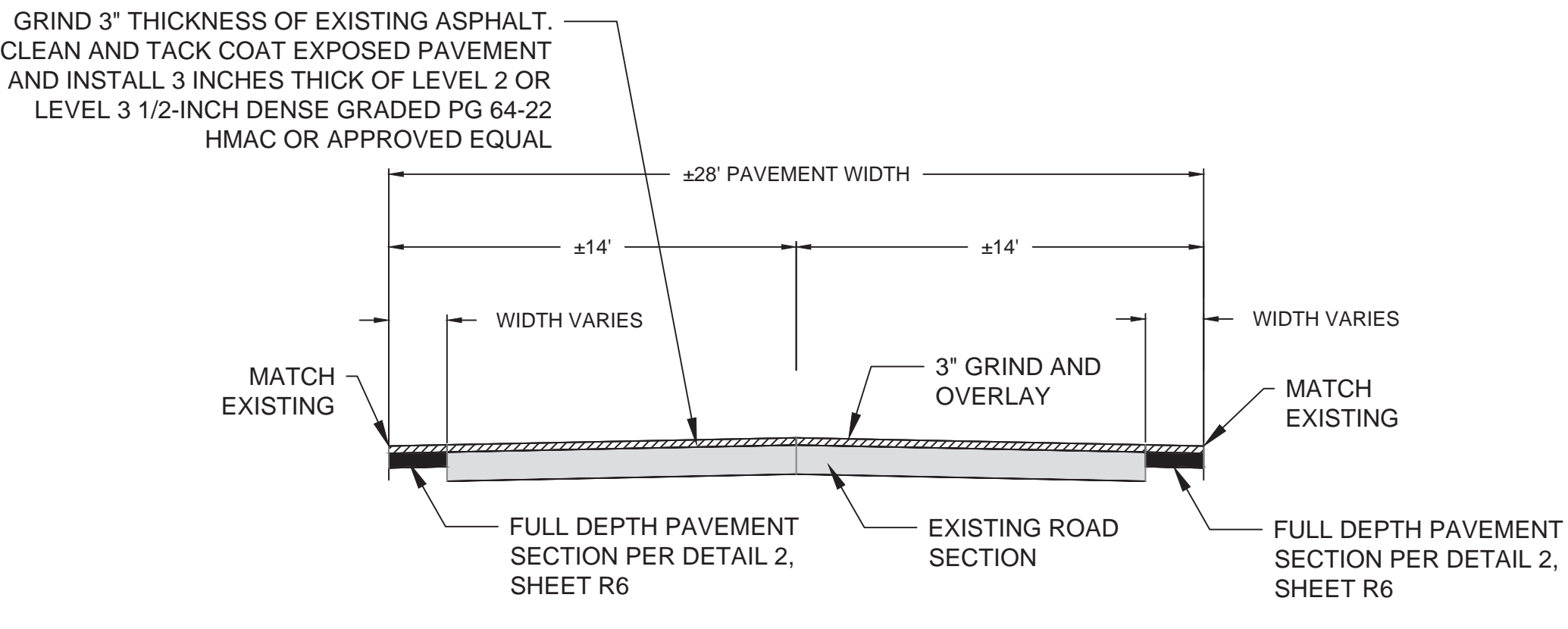




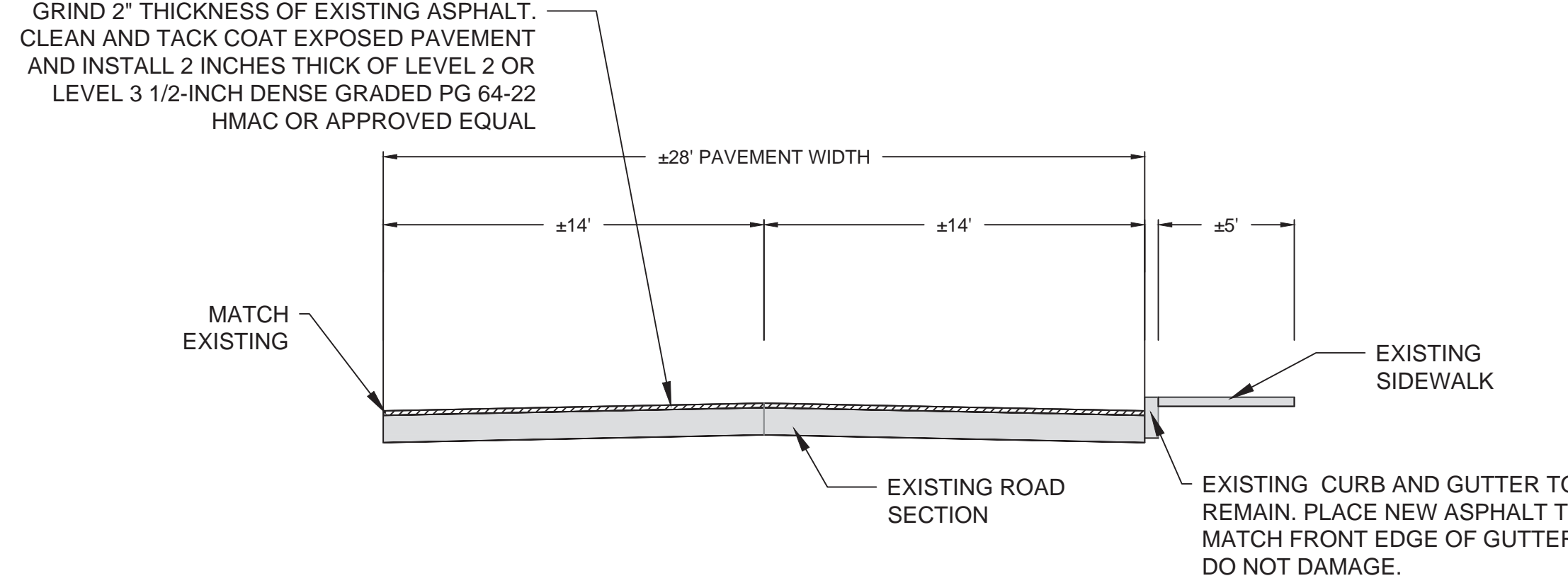
**A**  
R6  
**OGAN LANE TYPICAL SECTION**



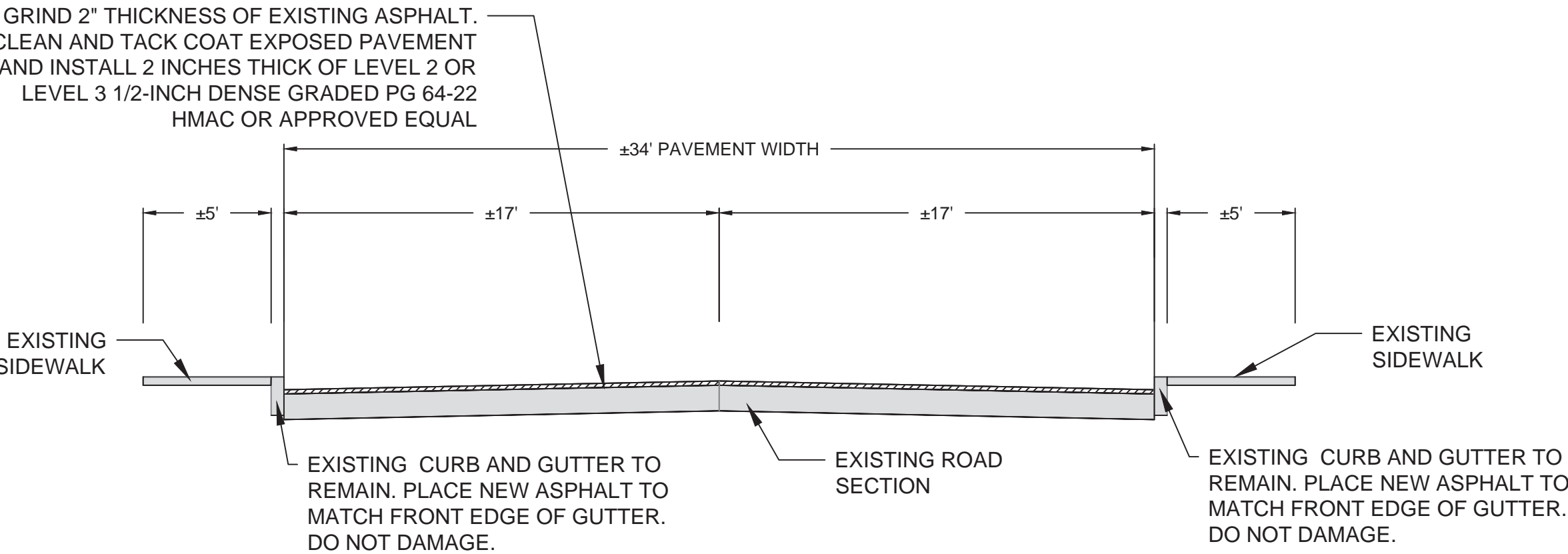
**B**  
R6  
**OLD PORTLAND ROAD TYPICAL SECTION**



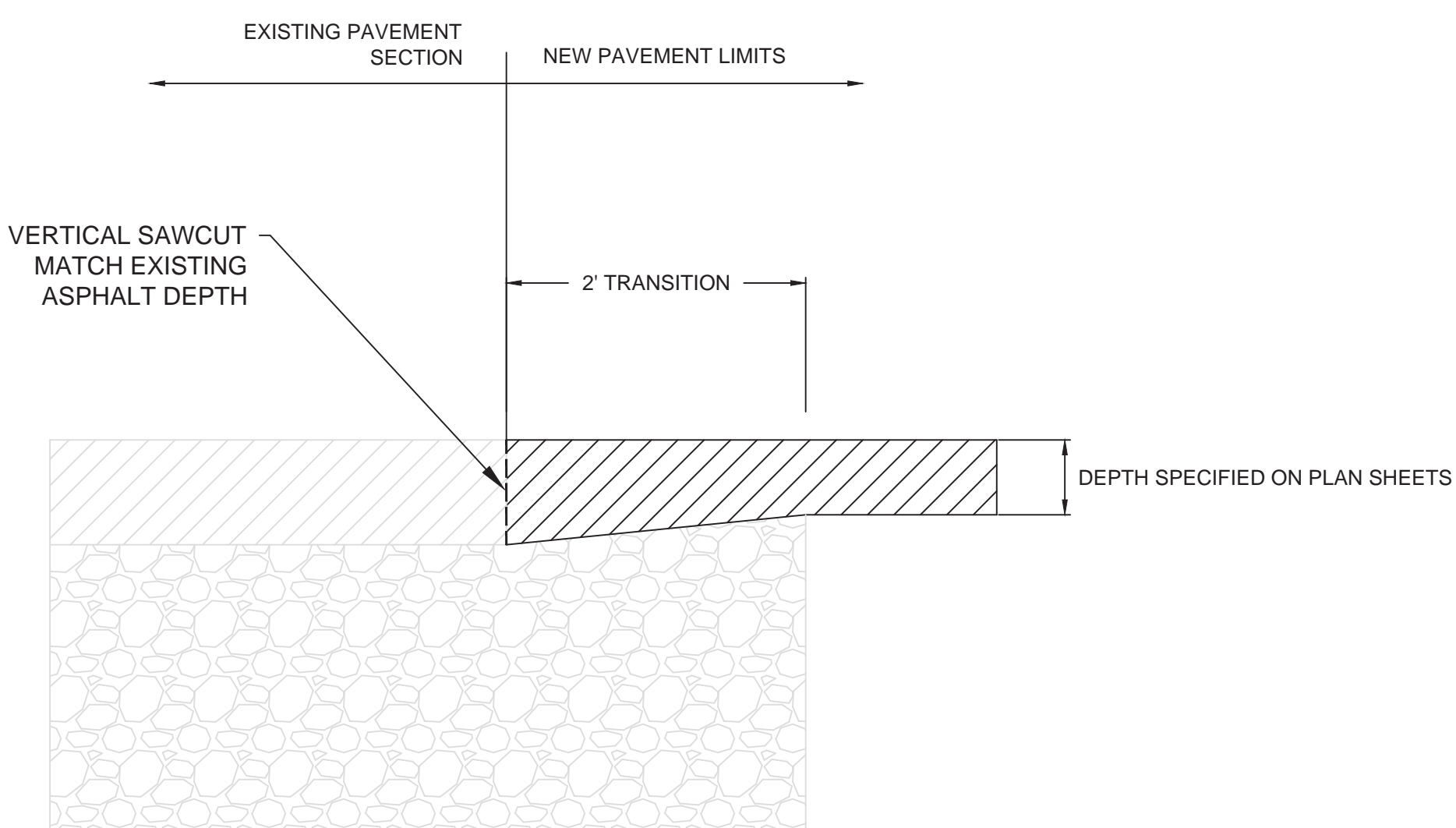
**C**  
R6  
**7TH STREET TYPICAL SECTION**



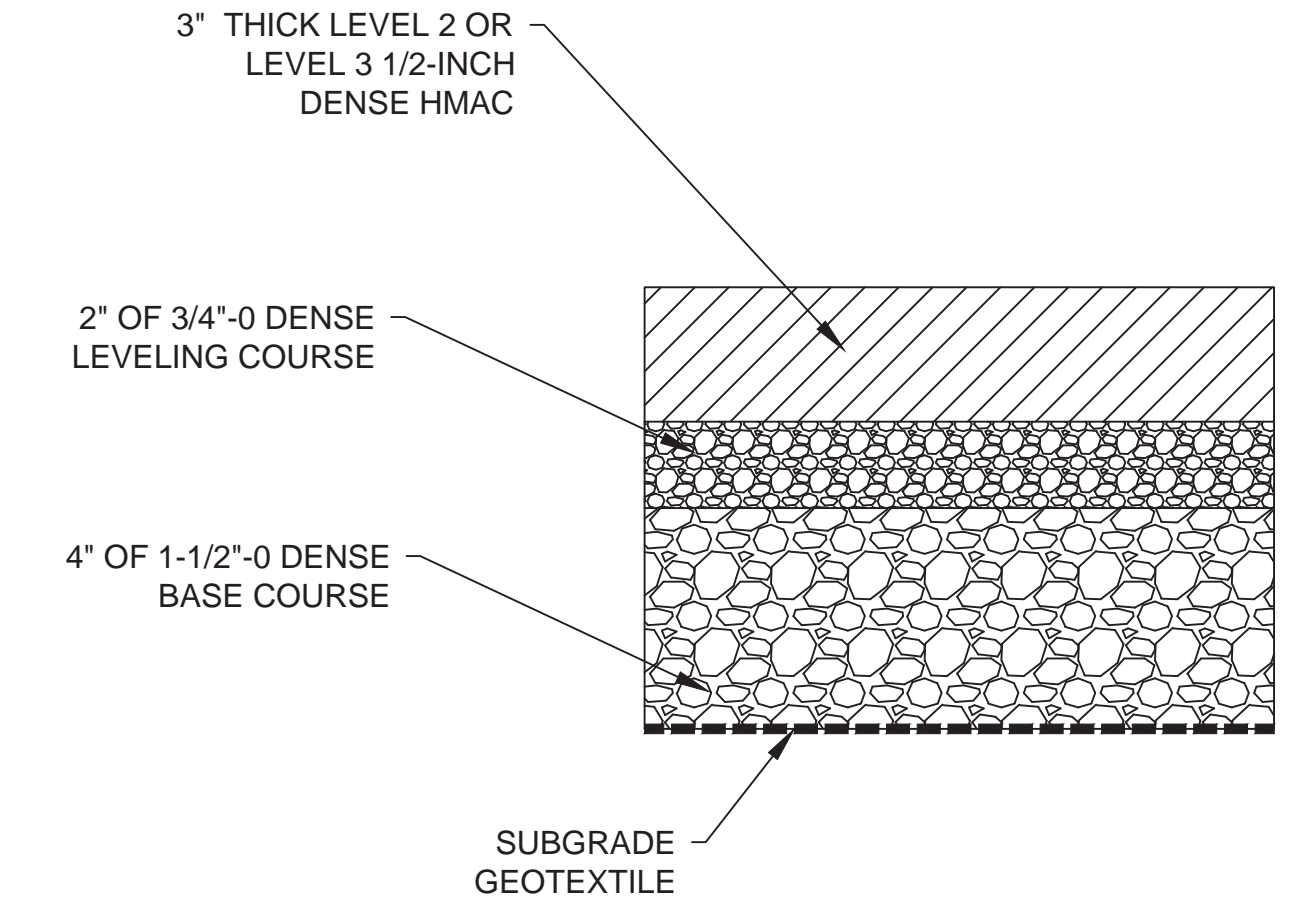
**D**  
R6  
**MILTON WAY TYPICAL SECTION**



**E**  
R6  
**MCBRIDE STREET TYPICAL SECTION**



**1**  
R6  
**PAVEMENT TRANSITION DETAIL**  
SCALE: N.T.S.



**2**  
R6  
**FULL DEPTH PAVEMENT SECTION**  
SCALE: N.T.S.

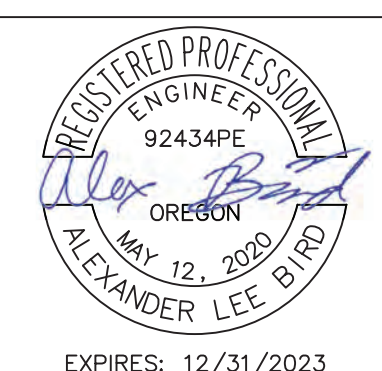
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NO.	REV. DATE	DESCRIPTION	REVISED BY	CHECKED BY	APPROVED BY



**CITY OF ST. HELENS**  
DEPARTMENT OF PUBLIC WORKS

265 Strand Street  
St. Helens, Oregon 97051  
(503) 397-6272  
www.sthelensoregon.gov



DESIGN BY: AB  
DRAWN BY: AB  
CHECKED BY: SD

NOTE: ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS NOTED OTHERWISE.

SHEET TITLE: TYPICAL SECTIONS  
PROJECT NAME: 2022 PAVING OVERLAY AND PATCHING PROJECT

DATE: 5/11/2022  
SCALE: N.T.S.

LINE MEASURES 1 INCH AT FULL SCALE. ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.

ISSUED FOR: CONSTRUCTION

PROJECT NO: RD-710  
DRAWING NO: R6  
SHEET NO: 8 OF 10





PLAN VIEW  
SCALE: HORZ. 1" = 500'

GENERAL PATCHING PROCEDURES:

1. CONFIRM SAWCUT LIMITS AND PAVEMENT REMOVAL AREA WITH CITY INSPECTOR.
2. SAWCUT AND REMOVE PAVEMENT TO THE DEPTH SHOWN IN TABLE.
3. CLEAN AND TACK COAT EXPOSED PAVEMENT OR ROCK SECTION. TACK COAT SHALL BE APPLIED AGAINST CONCRETE CURB 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.
4. INSTALL LEVEL 2 OR LEVEL 3 1/2-INCH DENSE GRADED PG 64-22 HMAC TO THE DEPTH SPECIFIED IN THE TABLE.
5. RE-STRIPLE AND MATCH ANY EXISTING PAVEMENT MARKINGS

PATCHING PROJECT LIST

PROJECT NUMBER	LOCATION	AREA (SF)	PATCHING DESCRIPTION	COMMENT
1	2044 COWLITZ	48	SANITARY SEWER REPAIR	3" DEPTH
2	145 MELVIN AVE	35	STORM CATCH BASIN	3" DEPTH
3	130 TO 150 MELVIN AVE	300	VALLEY GUTTER STORM DRAINAGE	3" DEPTH
4	11TH & UMATILLA	180	WATER MAIN (PW PROJECT)	3" DEPTH
5	11TH & UMATILLA	20	WATER MAIN (PW PROJECT)	3" DEPTH
6	1070 UMATILLA	294	WATER MAIN (PW PROJECT)	3" DEPTH
7	1065 UMATILLA	30	WATER SERVICE	3" DEPTH
8	150 N 15TH ST	43	WATER SERVICE	3" DEPTH
9	DEER ISLAND RD AT WEST STREET	340	CROSSWALK SURFACE FAILURE	4" DEPTH
10	261 WYETH ST	15	WATER LEAK REPAIR	4" DEPTH
11	265 N 3RD ST	40	NEW CATCH BASIN	3" DEPTH
12	CORNER N 4TH & WYETH	20	POTHOLE	4" DEPTH
13	N 4TH & WYETH	20	POTHOLE	4" DEPTH
14	WONDERLY DR NORTH OF S VERNONIA	15	POTHOLE	3" DEPTH
15	HARRIS ST SOUTH OF S VERNONIA	51	SURFACE FAILURE	3" DEPTH
16	174 BRADLEY ST	64	WATER SERVICE	3" DEPTH
17	59297 CHERRYWOOD DR	24	POTHOLES	3" DEPTH
18	35175 FIRLOCK PARK BLVD	180	WATER LEAK REPAIR	4" DEPTH
19	IGA & LEWIS AND CLARK SCHOOL	36	WATER LEAK REPAIR	3" DEPTH
20	IGA & LEWIS AND CLARK SCHOOL	20	WATER LEAK REPAIR	3" DEPTH
21	IGA & LEWIS AND CLARK SCHOOL	11	WATER LEAK REPAIR	3" DEPTH
22	N 2ND ST & WYETH	320	DRIVEWAY APPROACH REPAIR	4" DEPTH

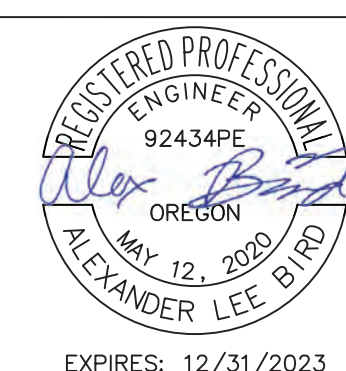
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DESIGN BY: AB	SHEET TITLE: PATCHING MAP AND TABLE	PROJECT NO: RD-710
DRAWN BY: AB		DRAWING NO: R7
CHECKED BY: SD	PROJECT NAME: 2022 PAVING OVERLAY AND PATCHING PROJECT	SHEET NO: 9 OF 10
DATE: 5/11/2022	SCALE: 1" = 500'	ISSUED FOR: CONSTRUCTION
LINE MEASURES 1 INCH AT FULL SCALE ADJUST SCALE ACCORDINGLY IF LINE DOES NOT MEASURE 1 INCH.		

