

CONTRACT LOCATION MAP

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED, AND IN PART BY THE CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY DISTRICT OF WASHINGTON, AND THE STATE OF WASHINGTON

**DOWNTOWN REDMOND LINK
 EXTENSION
 REDMOND TECH CENTER TO
 DOWNTOWN REDMOND**

**RTA/CN 0148-18
 R200**

**ALTERATION OF GEOLOGIC
 HAZARD PERMIT**

MARCH 2020



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DRAWING No.:	COR-GZK104
FACILITY ID:	EP9 EP29
SHEET No.:	REV: 1

SHT. No.	DWG. No.	REV	TITLE	SHT. No.	DWG. No.	REV	TITLE
GENERAL				UTILITIES			
1	COR-GZK104		PROJECT LOCATION MAP - COR AGHA	47	190-UWP112		COMPOSITE WET UTILITIES
2	COR-GZ1401		INDEX OF DRAWINGS - COR AGHA	48	190-UWP314c		COMPOSITE WET UTILITIES
3	GEN-GZNI01		GENERAL ABBREVIATIONS	49	190-UCP114		COMPOSITE UTILITIES
4	GEN-GZNI02		GENERAL ABBREVIATIONS	50	190-UCP115		COMPOSITE UTILITIES
5	GEN-GZNI03		GENERAL ABBREVIATIONS	51	190-UCP116		COMPOSITE UTILITIES
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7	GEN-GZNI05		GENERAL ABBREVIATIONS	53	190-UCP217		COMPOSITE UTILITIES
8	GEN-GZNI06		GENERAL SYMBOLS AND LEGEND	STRUCTURES WALLS			
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10	L90-KAP106		TRACKWORK				
11	L90-KAP107		TRACKWORK				
12	L90-KAP108		TRACKWORK				
CIVIL							
DEMOLITION AND REMOVAL							
13	L90-CXN101		DEMOLITION AND REMOVAL				
14	L90-CXS101		DEMOLITION AND REMOVAL				
15	L90-CXS102		DEMOLITION AND REMOVAL				
16	L90-CXS103		DEMOLITION AND REMOVAL				
17	L90-CXP112		DEMOLITION AND REMOVAL				
18	L90-CXP113		DEMOLITION AND REMOVAL				
19	L90-CXP114		DEMOLITION AND REMOVAL				
20	L90-CXP115		DEMOLITION AND REMOVAL				
21	L90-CXP116		DEMOLITION AND REMOVAL				
22	L90-CXS302		DEMOLITION AND REMOVAL				
TEMPORARY EROSION AND SEDIMENT CONTROL							
23	L90-CTN001a		CIVIL - TESC	LANDSCAPE			
24	L90-CTN002a		CIVIL - TESC				
25	L90-CTP112a		CIVIL - TESC				
26	L90-CTP113a		CIVIL - TESC				
27	L90-CTP114a		CIVIL - TESC				
28	L90-CTP115		CIVIL - TESC				
29	L90-CTP116		CIVIL - TESC				
SITE							
30	L90-CRP314		CIVIL - SITE				
31	L90-CRP314		CIVIL - SITE				
32	L90-CRD310		CIVIL - SITE				
33	L90-CRD311		CIVIL - SITE				
34	L90-CRD312		CIVIL - SITE				
DRAINAGE							
35	L90-CDN301		CIVIL - DRAINAGE				
36	L90-CDN302		CIVIL - DRAINAGE				
37	L90-CDP112		CIVIL - DRAINAGE				
38	L90-CDP113		CIVIL - DRAINAGE				
39	L90-CDP114		CIVIL - DRAINAGE				
40	L90-CDP115		CIVIL - DRAINAGE				
41	L90-CDP116		CIVIL - DRAINAGE				
42	L90-CDV301		CIVIL - DRAINAGE				
43	L90-CDV302		CIVIL - DRAINAGE				
44	L90-CDV303		CIVIL - DRAINAGE				
45	L90-CDV305		CIVIL - DRAINAGE				
46	L90-CDD104		CIVIL - DRAINAGE				

GENERAL NOTES

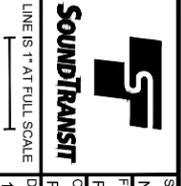
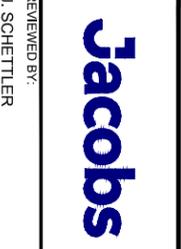
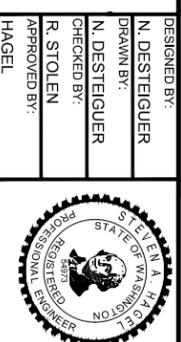
1. COMPLIANCE WITH ARCHAEOLOGICAL AND CULTURAL RESOURCES REGULATIONS REQUIRED AS DESCRIBED IN LETTER OF CONCURRENCE #28

<p>REDMOND CITY AGHA REVIEW</p> <p>ALTERATION OF GEOLOGIC HAZARD</p> <p>ISSUE FOR PERMIT</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DESIGNED BY:</td> <td>N. DESTELGUER</td> </tr> <tr> <td>DRAWN BY:</td> <td>N. DESTELGUER</td> </tr> <tr> <td>CHECKED BY:</td> <td>R. STOLEN</td> </tr> <tr> <td>APPROVED BY:</td> <td>HAGEL</td> </tr> </table>	DESIGNED BY:	N. DESTELGUER	DRAWN BY:	N. DESTELGUER	CHECKED BY:	R. STOLEN	APPROVED BY:	HAGEL
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<p>REVIEWED BY:</p> <p>J. SCHEITTLER</p>	<p>SUBMITTED BY:</p> <p>A. TISCARENO</p>								
									
<p>SCALE:</p> <p>NTS</p> <p>FILENAME:</p> <p>R200-COR-GZ1401</p> <p>CONTRACT NO.:</p> <p>RTA/CN 0148-18</p> <p>DATE:</p> <p>12/20/2019</p>	<p>DESIGN PACKAGE:</p> <p>PERMIT INFORMATION:</p> <p>CITY OF REDMOND</p> <p>ALTERATION OF GEOLOGIC HAZARD AREA</p>								
<p>LINE IS 1" = AT FULL SCALE</p>	<p>DOWNTOWN REDMOND LINK EXTENSION</p> <p>CONTRACT R200</p> <p>CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD</p> <p>INDEX OF DRAWINGS</p>								
<p>DRAWING NO.:</p> <p>COR-GZ1401</p> <p>FACILITY ID:</p> <p>GEN</p> <p>SHEET NO.:</p> <p>2</p>	<p>REV:</p>								

ABBREVIATIONS (CONT'D)

CONN	CONNECTION	DB	DUCT, CONDUIT, DEPTH, DUCTBANK	EIP	EDGE OF PAVEMENT	ES	EACH SIDE, EXTRA STRENGTH	FG	FINISH GRADE
CONST	CONSTRUCTION	DBA	DEFORMED BAR ANCHOR	EIS	EDGE OF SHOULDER	ESC	ESCALATOR	FH	FIRE HYDRANT
CONT	CONTINUOUS/CONTINUATION, CONTAINER GROWN	DBH	DIAMETER BREAST HEIGHT	Ea	ACTUAL TRACK SUPERELEVATION (INCHES)	ESL	ELECTRIC STREET LIGHT	FHC	FIRE HOSE CABINET
CONTTD	CONTINUED	DBL	DOUBLE	EA	EACH, EXHAUST AIR	ESMT	EASEMENT	FHMS	FLAT HEAD MACHINE SCREW
CONTR	CONTRACTOR	Dc	DEGREE OF CIRCULAR CURVE (ARC DEFINITION)	EAT	ENTERING AIR TEMPERATURE	ESP	EXTERNAL STATIC PRESSURE	FHV	FIRE HOSE VALVE
CONTV	CONTROL VALVE	DC	DIRECT CURRENT, DISTRIBUTION CABINET	EB	EASTBOUND	EST	ESTIMATED	FIN	FINISHED
COR	CITY OF REDMOND	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	EBC	EMBEDDED CONDUIT	ETC	ET CETERA	FIX	FIXED
COORD	COORDINATE	DCM	DESIGN CRITERIA MANUAL	EC	ELECTRICAL CONTRACTOR, END CAP,	ETEL	EMERGENCY TELEPHONE	FIXT	FIXTURE
CORP	CORPORATION	DCVA	DOUBLE CHECK VALVE ASSEMBLY	EC	ELECTRICAL CONTRACTOR, END CAP,	ETS	EMERGENCY TRIP STATION	FJ	FEEDER JUMPER
CORR	CORRIDOR, CORRUGATED	DCW	DOMESTIC COLD WATER	ECS	ELECTRICAL CONDUIT, EPOXY-COATED	ETT	ELECTRIC TRANSMISSION TOWER	FJ	FEEDER JUMPER
COV	COVERED	DDCA	DOUBLE DETECTOR CHECK ASSEMBLY	ED	ENVIRONMENTAL CONTROL SYSTEM	Eu	UNBALANCED TRACK SUPERELEVATION (INCHES)	FL	FLOW LINE, FLANGE
CP	CONCRETE PIPE, CONDUIT	DEF	DEFLECTION	EDD	ELECTRICAL DUCT	EUH	ELECTRICAL UNIT HEATER	FL#	FLOW LINE, FLANGE
CPG	CONCRETE PIPE, CONDUIT	DEF JT	DEFLECTION JOINT	EF	EXHAUST DUCT DAMPER	EV	ELECTRIC VALVE I, ELECTRIC VEHICLES	FLEX	FLEXIBLE
CPP	COMMUNICATIONS POWER PANEL	DEG	DEGREE	EF	EACH FACE, EXHAUST FAN	EVP	EMERGENCY VEHICLE PREEMPTION	FLG	FLANGE
CPT	CONTROL POWER TRANSFORMER,	DEL	DELETE	EFAN	EXHAUST FAN	EW	EACH WAY, EASTBOUND TO WESTBOUND	FLH	FLATHEAD
CPW-#	CEMENTITIOUS WALL PANEL - TYPE	DEMO	DEMOLITION	EFC	EXPOSED FINISH CONCRETE	EWG	EACH WAY, EASTBOUND TO WESTBOUND	FLR	FLOOR
CR	CURB RAMP, CONDUIT RISER	DESC	DESCRIPTION	EFD	EPOXY FIBERGLASS CONDUIT	EWH	ELECTRIC WATER COOLER	FLRH	FLOOR HYDRANT
CRL	CANE RAIL	DET, DTL,	DET, DTL,	EFF	EXHAUST FAN DAMPER	EWT	ELECTRIC WATER HEATER	FLSH	FLASHING
CRS	COLD ROLLED STEEL	DTLS	DETAIL(S)	EFW	EFFICIENCY	EWT	ENTERING WATER TEMPERATURE	FLUOR	FLUORESCENT
CS	COMBINED SEWER, CURVE TO SPIRAL	DF	DIRECT FIXATION, DRINKING FOUNTAIN	EG	EFFECTIVE FLUID WEIGHT	EXEXIST	EXISTING	FLUOR	FLUORESCENT
CSBC	CRUSHED SURFACING BASE COURSE	DGA	DOWN GUY ANCHOR	EGR	EXISTING GRADE	EX/EXCAV	EXCAVATION	FM	FORCE MAIN
CSJ	CONSTRUCTION JOINT, CLOSURE STRIP JOINT	DH	DUCT HEATER	EHR	EMERGENCY GUARD RAIL	EXF	EXHAUST FAN	FMP	FIRE MANAGEMENT PANEL
CSK	CASEWORK	DHW	DOMESTIC HOT WATER	EHC	ELECTRIC HEATING COIL	EXH	EXHAUST	FN	FENCE
CSL	CROSSHOLE SONIC LOGGING	DHWC	DOMESTIC HOT WATER CIRCULATION	EHS	EXTRA HIGH STRENGTH	EXP	EXPANSION	FND	FOUNDATION, FAN DAMPER
CSP	CONCRETE SEWER PIPE	DI	DROP INLET, DUCTILE IRON, DISCRETE INPUT	EI	ELECTRICAL INTERLOCK	EXPO	EXPOSED	FNIC	FUTURE NOT IN CONTRACT
CST	CAST STONE	DI	DIAMETER	EJ	EXPANSION JOINT	EXT	EXTERIOR, EXTINGUISHER	FO	FACE OF, FIBER OPTIC
CSTM	COMBINED SEWER MANHOLE	DIA, DIAM	DIAMETER	EJ# / EJC-#	EXPANSION JOINT COVER TYPE	EXT	EXTERIOR, EXTINGUISHER	FOB	FACE OF BRICK
CSMH	COMBINED SEWER MANHOLE	DID	DOOR INTRUSION DETECTOR	EJ# / EJC-#	EXPANSION JOINT COVER TYPE	EXT	EXTERIOR, EXTINGUISHER	FOC	FACE OF CONCRETE, FACE OF CURB
CSMT	CASEMENT	DIF	DIFFUSER	ELAST#	ELASTOMERIC COATING TYPE	F	FLAG POLE, FAHRENHEIT, FIX	FOF	FACE OF FINISH
CSP	CONCRETE SEWER PIPE	DIM	DIMENSION	EL/ELEV	ELEVATION	Fg	28 DAY CONCRETE STRENGTH	FOI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
CST	CAST STONE	DIP	DUCTILE IRON PIPE	ELAST	ELASTOMERIC	F/R	FIRE RATED	FOIO	FURNISHED BY OWNER, INSTALLED BY OWNER
CSTC	CRUSHED SURFACING TOP COURSE	DIR	DIRECTION	ELEC/ELECT	ELECTRICAL	F/T	FIXED TERMINATION	FOP	FACE OF POLE
CT	CERAMIC TILE, CONICAL, TEE,	DISC	DISCONNECT	ELECPBD	ELECTRIC PANEL BOARD	F TO F	FACE TO FACE	FOS	FACE OF SLAB / STUD / STRUCTURE, FACTOR OF SAFETY
CTB	CEMENT TREATED BASE	DISC SW	DISCONNECT SWITCH	ELEV	ELEVATOR	FA	FIRE ALARM, FIXED ANCHOR, FLOOR ASSEMBLY	FOT	FIBER OPTIC TRANSMISSION SYSTEM
CTR	CENTER(S)	DISCH	DISCHARGE	ELP	EMERGENCY LIGHTING PANEL	FAAP	FIRE ALARM ANNUNCIATOR PANEL	FOV	FACE OF WALL
CTRL	CONTROL	DISTR	DISTRIBUTION	EM	ELECTROMAGNETIC MONITORING	FABX	FIRE ALARM BOX	FOW	FACE OF WALL
CTRLR	CONTROLLER	DL	DEAD LOAD	EMB	EMBEDMENT, EMBEDDED PLATE/ITEM	FAC	FACILITY	FP	FIRE PROTECTION
CTY	CABLE TRAY	DLN	DRIPLINE	EMER	EMERGENCY	FACP	FIRE ALARM CONTROL PANEL	FPAP	FALL PROTECTION ANCHOR POST
CU	COPPER, CUBIC, CONDENSING UNIT	DMP#	DECORATIVE METAL PANEL TYPE	EMF	EMERGENCY FAN	FAF	FRESH AIR FAN	PPM	FEET PER MINUTE
CU YD	CUBIC YARD	DN	DOWN	EMH	ELECTRIC MANHOLE	FAI	FRESH AIR INTAKE	PPP	FIBER OPTIC PATCH PANEL
CULV	CULVERT	DO	DITTO, DISCRETE OUTPUT	EMI	ELECTROMAGNETIC INTERFERENCE	FB	FLAT BAR, FORESTED BUFFER	FR	FIRE PROOF
CV	CONTROL VALVE, CONSTANT VOLUME,	DOC	DEGREE OF CURVATURE	EMP	EMERGENCY MANAGEMENT PANEL	FBO	FURNISHED BY OWNER	FR	FROM
CVLV	CABLE VALVE	DOE	DEPARTMENT OF ECOLOGY	EMR	ELEVATOR MACHINE ROOM	FBRGLC	FIBERGLASS CONDUIT	FREQ	FREQUENCY, FREQUENTLY
CW	CONCRETE WALK, CONTACT WIRE,	DOIT	DEPARTMENT OF INFORMATION	EMRF	EMERGENCY REVERSIBLE FAN	FC	FACE OF CURB, FLEXIBLE CONNECTION,	FRP	FIBERGLASS REINFORCED
CWP	COUNTERWEIGHT ANCHOR	DOM	DOMESTIC	EMS	EMERGENCY MANAGEMENT SYSTEM	FC#	FACE COLLECTION	FRT	PLASTIC/POLYMER
CWR	CONTINUOUS WELDED RAIL	DP	DAMP/PROOFING, DEEP	EMT	ELECTRICAL METALLIC TUBING	FC#	FACE COLLECTION	FRT	PLASTIC/POLYMER
CWT	COUNTERWEIGHT	DPR	DAMPER	ENCL	ENCLOSURE	FCC	FIRE COMMAND CENTER	FRT	PLASTIC/POLYMER
CW-#	CURTAIN WALL TYPE	DR	DRIVE, DOOR	ENGR	ENGINEER	FCC	FIRE COMMAND CENTER	FRT	PLASTIC/POLYMER
CY	CUBIC YARD(S)	DRN	DRAIN	ENR	ENTRANCE	FCO	FLOOR CLEANOUT	FSD	FIRE SMOKE DAMPER
D	DEEP, DEPTH, DUCT	DSP	DOWNSPOUT, DOOR SWITCH	EQ	EQUAL	FCS	FIELD CONTROL SYSTEM	FT	FOOT/FEET
DW	DRIVEWAY	DWL	DOWEL	EQNBK	STATION EQUATION BACK	FCU	FAN COIL UNIT	FTB	FLUIDIZED THERMAL BACKFILL
DA	DISABLED	DWR	DRAWER	EONAH	STATION EQUATION AHEAD	FD	FIBER DUCT, FLOOR DRAIN	FTC	FIRE EXTINGUISHER/TELEPHONE CABINET
DB	DRY BULB, DIRECT BURIED, DC BREAKER	DWV	DRAIN, WASTE, VENT	EOP	EQUIPMENT	FDC	FIRE DEPARTMENT CONNECTION	FTG	FOOTING
		DX	DIRECT EXPANSION	EQUIV	EQUIVALENT	FDCP	FIRE DAMPER CONTROL CONNECTION	FUR	FURRING
		E	EAST/EASTING, ELECTRICAL	ERER	EMERGENCY BACKPACK STORAGE	FDN	FOUNDATION	FURN	FURNISH
						FDP	FIBER DISTRIBUTION PANEL	FUT	FUTURE
						FDR	FEEDER	FVE	FARE VENDING EQUIPMENT
						FE#	FIRE EXTINGUISHER TYPE	FVEC	FIRE VALVE & EXTINGUISHER CABINET
						FEC#	FIRE EXTINGUISHER CABINET TYPE	FVNR	FULL VOL. TAG NON-REVERSING
						FF	FINISHED FLOOR, FAR FACE	FW	FIELD WELD
						FFJ	FULL FEEDING JUMPER	FWD	FORWARD
								EXTR	EXTR

REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT



DESIGNED BY:	N. DESTIEGUER
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SCALE:	AS SHOWN
DATE:	12/20/2019
FILENAME:	R200-GEN-GZN102
CONTRACT NO.:	RTA/CN 0148-18
PERMIT INFORMATION:	CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA
PROJECT INFORMATION:	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD GENERAL ABBREVIATIONS
DRAWING NO.:	GEN-GZN102
FACILITY ID.:	GEN
SHEET NO.:	4
REV.:	

ABBREVIATIONS

N		OR	
N	NORTH/NORTHING, NEUTRAL	OR	OUTSIDE RADIUS
N/A	NOT APPLICABLE	ORD	OVERFLOW ROOF DRAIN
NB	NORTHBOUND	ORL	OVERFLOW RAINWATER LEADER
NBR	NON-BRIDGING	OS	OCCUPANCY SENSOR
NC	NORMALLY CLOSED	OSA	OUTSIDE AIR
NCWD	NORTH CITY WATER DISTRICT	OSD	OVERHEAD STORM DRAIN
NE	NORTHEAST	OTC	OVERLAKE TRANSIT CENTER
NEC	NATIONAL ELECTRICAL CODE	OTM	OTHER TRACK MATERIAL
NEG	NEGATIVE	OTS	OPEN TO STRUCTURE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	P	
NESC	NATIONAL ELECTRIC SAFETY CODE	P	PANEL, PIPE, POLE, PAINT, PLASTER
NF	NEAR FACE		OFFSET FROM INITIAL TANGENT TO PC OF THE
NFHB	NON-FREEZE HOSE BIB		SHIFTED CIRCLE
NGPANGPE	NATIVE GROWTH PROTECTION AREA/EASEMENT	P/C	PRECAST
NIC	NOT IN CONTRACT	P/S	PRE-STRESSED
NL	NIGHT LIGHT	P/T	POST TENSIONED, POCKET TRACK
NMC	NON-METALLIC CONDUIT	PA	PUBLIC ADDRESS
NO	NORMALLY OPEN	PADC	PUBLIC ADDRESS DISTRIBUTION CABINET
NO./No.	NUMBER	PAN	(REMOTE AMPLIFIER RACK)
NOM	NOMINAL	PAN#	PANTOGRAPH
NPCW	NON POTABLE COLD WATER	PB#	PAVER - WAYFINDING BRAID - TYPE
NPDES	NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM	PB	PULLBOX, PUSHBUTTON
		PBX	PRIVATE BRANCH EXCHANGE
		PC	POINT OF CURVATURE, POINT OF CHANGE FROM TANGENT TO CIRCULAR CURVE
		PC CONC	PRECAST CONCRETE
		PC#	PRECAST CONCRETE PAVER - TYPE
		PCC	PORTLAND CEMENT CONCRETE, POINT OF COMPOUND CURVATURE
		PCCP	PORTLAND CEMENT CONCRETE PAVEMENT
		PCF	POUNDS PER CUBIC FOOT
		PCP	PLANTING CONTROL POINT
		PCP#	PRECAST CONCRETE PANEL - TYPE
		PD	PLASTIC DUCT/CONDUIT, PERFORATED
		PE	PRELIMINARY ENGINEERING, POLYETHYLENE
		PEF	PLATFORM EXHAUST FAN
		PERF	PERFORATED
		PERP	PERPENDICULAR
		PET	PUBLIC EMERGENCY TELEPHONE
		PF	POINT OF FROG
		PG	PERFORMANCE GRADE
		PGL	PROPOSED/PROFILE GRADE LINE
		PGRS	PVC COATED GRS
		PGRSC	PVC COATED GRS CONDUIT
		PH	PHASE, POTHOLE
		PI	POINT OF INTERSECTION OF TWO TANGENTS
		PIS	POINT OF INTERSECTION OF TANGENTS OF A SPIRAL
		PIP	PROTECT IN PLACE
		PTO	POINT OF INTERSECTION OF TURNOUT STRAIGHT AND DIVERGING SIDES
		P/V	POST INDICATOR VALVE
		PJP	PARTIAL JOINT PENETRATION
		PL	PLATE, PROPERTY LINE, PLACE, PLASTIC
		PLAM	PLASTIC LAMINATE
		PLAM-#	PLASTIC LAMINATE - TYPE
		PLAS	PLASTER
		PLAT	PLATFORM
		PLBG	PLUMBING
		PLC	PLACE(S)
		PLF	POUNDS PER LINEAL FOOT
		PLP	PLASTIC PIPE
		PLUMB	PLUMBING
		PLYWD	PLYWOOD
		PM	PARKING METER
		PMUF	PRE-MOLDED JOINT FILLER
		PNL	PANEL
		PNT	POINT
		PNT-#	PAINT COLOR
		PO	PUSH-ON JOINT, POWER OPERATED
		POB	POINT OF BEGINNING
		POC	POINT ON CURVE, POINT OF CONNECTION
		POE	POINT OF ENDING, POWER OVER ETHERNET
		POH	POWER OVERHEAD
		POS	POINT OF STATIONING, POSITIVE
		PP	PETROLEUM PRODUCTS, POWER POLE
		PPB	POWER PANEL
		PR	PEDESTRIAN PUSH BUTTON
		PRC	PAIR, PROPOSED
		PREFAB	POINT OF REVERSE CURVATURE
		PREFIN	PREFABRICATED
		PRELIM	PREFINISHED
		PROJ	PRELIMINARY PROJECTION
		PROP	PROPOSED
		PRV	PRESSURE REDUCING VALVE
		PRVT	PRIVATE
		PS-#	PRECAST CONCRETE STAIR, TREAD/LANDING
		PS	POINT OF SWITCH, PRESTRESSING
		PSE	PUGET SOUND ENERGY
		PSF	POUNDS PER SQUARE FOOT
		PSI	POUNDS PER SQUARE INCH
		PSIG	POUNDS PER SQUARE INCH GAUGE
		PT	POINT OF TANGENCY, POCKET TRACK, PRESSURE TREATED, POINT OF CHANGE FROM CIRCULAR CURVE TO TANGENT, POST TENSIONING
		PTZ	PAN TILT ZOOM
		PT-#	PORCELAIN TILE - TYPE, SURVEY POINT NUMBER
		PVC	POLYVINYL CHLORIDE (PIPE), POINT OF VERTICAL CURVATURE
		PVCC	POINT OF VERTICAL COMPOUND CURVE
		PVI	POINT OF VERTICAL INTERSECTION
		PVMT	PAVEMENT
		PVT	POINT OF VERTICAL TANGENCY
		PWR	POWER
		Q	QUARRY TILE
		QT	QUANTITY
		QUAD	QUADRANT
		R	REMOTE INPUT/OUTPUT
		R - I/O	RADIUS, RISER, RANGE
		RREG	RETURN REGISTER
		RR	RAILROAD
		RRX	RAILROAD GRADE CROSSING
		RS-A	RIPARIAN SHRUB BUFFER 'A'
		RS-B	RIPARIAN SHRUB BUFFER 'B'
		RSC	RIGID STEEL CONDUIT
		RSCL	RAILROAD SIGNAL AND COMMUNICATIONS LINE
		RSD-#	RESINOUS STATIC DISSIPATIVE FLOORING - TYPE
		RSL	REFRIGERANT SUCTION LINE
		RT#	REFRIGERANT SUCTION LINE ROOF SYSTEM TYPE
		RT	RIGHT
		RTD	RESISTANCE TEMPERATURE DETECTOR
		RTU	REMOTE TERMINAL UNIT
		RVS	REVERSE
		RW	RETAINING WALL
		S	SOUTH SLOPE, SINK, S-SHAPE
		S-SPAN	STEADY SPAN
		S-T	SELF TAPPING
		S/C	SIGNAL/COMMUNICATION
		S/DW	SINK WITH ATTACHED DISHWASHER
		S/S	SERVICE SINK
		S/W	SIDEWALK
		SA	SUPPLY AIR, SURGE ARRESTOR
		SAF	SUPPLY AIR FAN
		SAFP	SELF-ADHERED FLEXIBLE FLASHING
		SAFTP	STAND-ALONE FARE TRANSACTION PROCESSOR
		SAN	SANITARY SEWER
		SAP	SUBSTATION ALARM PANEL
		SAT	SUPPLY AIR TEMPERATURE, SPRAYED ACOUSTIC TREATMENT
		SB	SOUTHBOUND, STRADDLE BENT
		SBR	SEALANT AND BACKER ROD
		SC	SPIRAL TO CURVE
		SCADA	SIGNAL/COMMUNICATION SUPERVISORY CONTROL AND DATA ACQUISITION
		SCAT	SIMPLE CATENARY AUTO TENSION
		SCFT	SIMPLE CATENARY FIXED TERMINATION SCHEDULE
		SCL	SEATTLE CITY LIGHT
		SCR	SMART CARD READER, SCREW SCREEN
		SCRN	SCREEN
		SD	STORM DRAIN, SMOKE DETECTOR
		SDD	SUPPLY DUCT DAMPER
		SDMH	STORM DRAIN MAINTENANCE HOLE, STORM DRAIN MANHOLE
		SDT	SMOKE DETECTOR
		SE	SOUTHEAST
		SEC	SECOND, SECURITY, SECTION
		SECT	SECTION
		SEFN	SMOKE EMERGENCY FAN
		SEG	SEGMENT(AU)
		SEM	SEQUENTIAL EXCAVATION METHOD
		SEQ	SEQUENCE
		SERV	SERVICE
		SF	SQUARE FOOT/FEET, SUPPLY FAN

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY: N. DESTIEGUER

DRAWN BY: N. DESTIEGUER

CHECKED BY: R. STOLEN

APPROVED BY: HAGEL

REMOVED BY: J. SCHEITLER

SUBMITTED BY: A. TISCARENO

DATE: 12/20/2019

LINE IS 1" AT FULL SCALE

SCALE: 1" = 10'

FILENAME: R200-GEN-GZN104

CONTRACT NO.: RTA/CN 0148-18

DESIGN PACKAGE: EWA

PERMIT INFORMATION: CITY OF REDMOND

ALTERATION OF GEOLOGIC HAZARD AREA

PROJECT: DOWNTOWN REDMOND LINK EXTENSION

CONTRACT R200

CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD

GENERAL ABBREVIATIONS

DRAWING NO.: GEN-GZN104

FACILITY ID: GEN

SHEET NO.: 6

REVISIONS:

DATE: 12/20/2019

Attachment 10

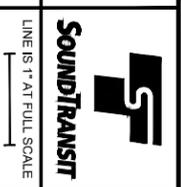
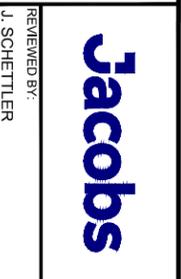
ABBREVIATIONS

SF#	STORE FRONT SYSTEM TYPE	STN#	STONE PANEL TYPE	TDM	TRANSPORTATION DESIGN MANUAL	TWA	TE WIRE ANCHOR	WB	WESTBOUND, WATER BOX, WET BULB
SFD	SUPPLY FAN DAMPER	STOR	STORAGE	TE	TRACTION ELECTRIFICATION	TWC	TRAIN TO WAYSIDE COMMUNICATION	WC	WATER CLOSET, WATER COLUMN
SFRM	SPRAY-APPLIED FIRE RESISTIVE MATERIAL	STP	STEEL PIPE, DUCT, CONDUIT	TEL	TELEPHONE	TMM	TACTILE WARNING MATERIAL	WCL	WALL CONTROL LINE
SH	SHOWERTUB, STANDARD HYDROSEED, SYSTEM HEIGHT	STR	STAIR	TELECOMM	TELECOMMUNICATION	TYP	TYPICAL, TYPICAL AT ALL	WCO	WATER CLEANOUT, WALL CLEANOUT
SHC	SHOTCRETE	STRUCT	STRUCTURE(AL)	TEMP	TEMPORARY, TEMPERATURE	U	UNDER CONSTRUCTION	WE	WESTBOUND TO EASTBOUND
SHT	SHEET	STU	SHOCK TRANSMISSION UNIT	TERM	TERMINAL	US	UNDERSIDE	WD	WOOD
SHTHG	SHEATHING	SU	STUB UP	TES	TRACTION ELECTRIFICATION SYSTEM	UBC	UNIFORM BUILDING CODE	WF	WIDE FLANGE (BEAM)
SI	SECTION INSULATOR	SUB	SUBSTATION	TESC	TEMPORARY EROSION SEDIMENT CONTROL	UD	UNDERDRAIN	WF#	WALL FINISH TYPE
SIG	SIGNAL	SUP	SUPPORT	TF	TOP FACE, TEMPERATURE FAHRENHEIT, TRACK FEET	UG	UNDERGROUND, UNDERGRADE	WGR#	WATER GAUGE
SIM	SIMILAR	SURF	SURFACE	TFD	TUNNEL FAN DAMPER	UH	UNIT HEATER	WH	WATER HEATER
SJM	SIMILAR	SUSP	SUSPENDED	TG	TUNNEL FAN DAMPER	UL	UNDERWRITER LABORATORIES	WHDM	WATT-HOUR DEMAND METER
SJO	STANDARD JUNIOR OIL RESISTANT COMPOUND	SVC,SVCS	SERVICE(S)	TH	TELEGRAPH, TOP OF GRADE, TRANSFER GRILLE, TOP OF GRATE	UNEX	UNEXCAVATED	WHM	WATT-HOUR METER
SJT	SCORE JOINT	SW	SHEARWALL, SIDEWALK, SOUTHWEST, SWITCH	THK	THICKNESS, THRESHOLD	UNK	UNKNOWN	WI	WROUGHT IRON
SL	STREET LIGHT, SHELTER LIGHT, SLOPE, SOUND LINED, SLEEVE	SWA	SINGLE WIRE ANCHOR	THK	THICKNESS	UNO	UNLESS NOTED OTHERWISE	WID	WIDTH
SL#	SLOPED GLAZING - TYPE	SWBD	SWITCHBOARD	THRD	TREADED	UPS	UTILITY POLE, UNION PACIFIC RR	WIN	WINDOW
SLJ	STREET LIGHT JUNCTION BOX	SWFT	SINGLE WIRE FIXED TERMINATION (OCS)	TI	TENANT IMPROVEMENTS	UPS	UNINTERRUPTABLE POWER SUPPLY	WIP	WROUGHT IRON PIPE
SLNT	SEALANT	SWH	SWITCH HEATER	TJB	TRAFFIC JUNCTION BOX	UST	UNDERGROUND STORAGE TANK	WK	WORK
SLSM	SOUND LINED SHEET METAL	SWHT	SWITCH HEATER TRANSFORMER	TL	TENSION LENGTH	UTIL	UTILITY	WL	WORK LINE, WIND LOAD
SM	SHEET METAL	SWPPP	STORM WATER POLLUTION PREVENTION PLAN	TMH	TELEPHONE MANHOLE	UV	ULTRAVIOLET, UTILITY VAULT	WM	WATER METER, WATER MAIN
SMFO	SINGLE MODE FIBER OPTIC	SWR	SEWER	TO	TURNOUT, TOP OF	V	VALVE COVERBOX, DESIGN VELOCITY IN MILES PER HOUR, VERTICAL, VOLT(S)	WMH	WATER MANHOLE
SMR	SURFACE METAL RACEWAY	SYM	SYMBOL, SYMMETRICAL	TOB	TOP OF BEAM	V	VALVE COVERBOX, DESIGN VELOCITY IN MILES PER HOUR, VERTICAL, VOLT(S)	WOM	WORK POINT, WEATHERPROOF WOMEN
SNS	STREET NAME SIGN	SYS	SYSTEM	TOC	TOP OF CONCRETE, TOP OF STRUCTURAL CONCRETE	VA	VOLT AMPS	WPM	WATERPROOFING MEMBRANE
SOE	SUPPORT OF EXCAVATION	T	TOP TANGENT, TELEPHONE, TOWNSHIP	TOD	TRANSIT ORIENTED DEVELOPMENT, TOP OF DUCT	VAC	VACANT	WP	WORK POINT, WEATHERPROOF
SOG	SLAB ON GRADE	T&B	THERMOSTAT, TRANSVERSE, TRIP	TOF	TOP OF FOOTING	VAC	VACANT	WP#	WATERPROOFING SYSTEM
SOP	SET OUT POINT	T&B	TOP AND BOTTOM	TOG	TOP OF GRADE	VAR	VARIABLE/VARIES, VARIETY	WR	WATER RESISTANT
SOV	SHUT OFF VALVE	T/	TOP OF	TOP	TOP OF PIPE	VAV	VARIABLE AIR VOLUME	WRC-1	WATER REPELLANT COATING TYPE
SP	STEEL PIPE/DUCT/CONDUIT, STATIC PRESSURE, SUMP PUMP	T/C	TRACK CENTERS, TOP OF CURB	TOR	TOP OF RAIL	VB	VAPOR BARRIER	WS	WATER STOP
SPA, SPC	SPACES, SPACING	T/C	TRACK CENTERS, TOP OF CURB	TORW	TOP OF RETAINING WALL	VC	VERTICAL CURVE	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
SPB	SOUTH PORTAL ELECTRICAL BUILDING	T/EMB	TOP OF EMBEDMENT	TOS	TOP OF SLAB, TOP OF STRUCTURE, TOP OF STEEL	VCD	VITRIFIED CLAY DUCT, CONDUIT	WSH	WASH, WASHER
SPEC	SPECIFICATIONS(S)	T/G	TOE OF FROG, TOP OF FOUNDATION	TOT	TOTAL	VCT	VITRIFIED CLAY PIPE	WSP	WELDED STEEL PIPE, WET STANDPIPE
SPF	STAIRWELL PRESSURIZATION FAN	T/L	TAX LOT	TOW	TOP OF WALL	VCP	VINYL COMPOSITION TILE	WST	WELDED STEEL PIPE, WET STANDPIPE
SPKR	SPEAKER	T/LR	TOP OF LOW RAIL	TP	TOTAL PRESSURE, TRAP PRIMER	VCZ	VEGETATION CLEAR ZONE	WT	WEIGHT, WARNING TIME
SPL	SOLDIER PILE & LAGGING	T/P	TOP OF PAVEMENT	TPC#	THERMOPLASTIC POLYOLEFIN ROOFING	VD	VOLUME DAMPER	WT#	WALL TILE TYPE
SPP	SPECIES	T/R	TOP OF RAIL	TPSS	TRACTION POWER SUBSTATION	VE	VENT	WUTC	WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION
SPR	SPRINKLER	T/A#	TOILET ACCESSORY TYPE	TR	TRACK RELAY	VENT	VENT	WV	WATER VALVE
SPST	SINGLE POLE SINGLE THROW	TAN	TANGENT	TRAC	TRACTION	VERT	VERTICAL	WWF	WELDED WIRE FABRIC
SPU	SEATTLE PUBLIC UTILITIES	TB	THRUST BLOCK, TAP BOX, TERMINAL BLOCK	TRANSF	TRANSFORMER	VERT	VERTICAL	X BEARING	TYPE CONN W/THREADS EXCLUDED
SQ	SEATTLE PUBLIC UTILITIES	TBB	TELECOMMUNICATIONS BACK BOARD	TRANSV	TRANSVERSE	VFD	VARIABLE FREQUENCY DRIVE	XBM	CROSSBEAM
SQ	SQUARE	TBD	TO BE DETERMINED	TRD	TREAD	VIF	VERIFY IN FIELD, VERTICAL, INSIDE FACE	XCMR	TRANSFORMER
SQ FT	SQUARE FOOT	TRK	TRACK	TRK	TRACK	VLT	VAULT	XMTR	TRANSMITTER
SQ IN	SQUARE INCH	TBF	TUNNEL BOOSTER FAN	Ts1	TANGENT DISTANCE FROM TS TO PI	VMS	VARIABLE MESSAGING SYSTEMS/SIGN	XSPAN	CROSSOVER
SQHD	SQUARE HEAD	TBM	TUNNEL BORING MACHINE	Ts2	TANGENT DISTANCE FROM ST TO PI	VP	VAPOR PROOF	Y	WYE, YARD, YELLOW
SREG	SUPPLY REGISTER	TBR	TO BE REMOVED	TS	TRAFFIC SIGNAL, TEST STATION, TANGENT TO SPIRAL, STRUCTURAL TUBING, TERMINAL STRIP	VPF	VEGETATION PROTECTION FENCING	YD	YARD
SS	SANITARY SEWER, STANDARD SEED, SUBSTATION	TC#	TERRA COTTA RAINSCREEN SYSTEM	TSH	TOP OF SIGNAL HEAD	VPZ	VEGETATION PROTECTION ZONE	YL	YARD LEAD
SSL	SHORT SLOTTED HOLES	Tc	TANGENT DISTANCE FROM SC OR CS TO PI	TSP	TEMPORARY SUPPORT OF EXCAVATION	VOIP	VOICE OVER IP	Z	IMPEDANCE
SSMH	SANITARY SEWER MANHOLE/MAINTENANCE HOLE	To1	SUFFIX (1) DENOTES DATA FOR FIRST TANGENT OF A COMPOUND CURVE	TTOE	TEMPORARY SUPPORT OF EXCAVATION	VTR	VOLT METER SWITCH		
SSS	SANITARY SIDE SEWER	To2	SUFFIX (2) - SAME AS ABOVE, SECOND TANGENT OF COMPOUND CURVE	TTP	TOTAL STATIC PRESSURE	W	WEST, WATT, WATER, WIRE, WASTE, WIDE WIDTH, WIDE FLANGE SHAPE		
SST	STAINLESS STEEL	TC	TOP OF CURB, TRAFFIC CONTROLLER BOX (UNDERGROUND), TRACK CIRCUIT	TT	TRANSFER TRIP, TRACK TRANSFORMER	W.M.	WILLAMETTE MERIDIAN		
ST#	METAL STAIRS TYPE	TC	TOP OF CURB, TRAFFIC CONTROLLER BOX (UNDERGROUND), TRACK CIRCUIT	TTC	TELEPHONE TERMINAL CABINET	W/	WITH		
STA	STATION(ING)	TCAL	TEMPORARY CONSTRUCTION AIRSPACE LEASE	TVF	TUNNEL VENTILATION FAN	W/I	WITHIN		
STD	STANDARD, STANDARD TREE	TOB	TRAFFIC CONTROLLER BOX (ABOVE GROUND)	TVM	TICKET VENDING MACHINE	W/O	WITHOUT		
STE	STEAM	TCE	TEMPORARY CONSTRUCTION EASEMENT	TVOH	TELEVISION OVERHEAD	WAB#	WATER AND AIR BARRIER TYPE		
STIFF	STIFFENER	TOR	TRAIN CONTROL ROOM	TVS	TUNNEL VENTILATION SHAFT	WAT	WATER		
STRIR	STRIRUP(S)	TD	TELEPHONE DUCT, TRENCH DRAIN, TRACK DAMPER	TW	THERMITE WELDING, TOP OF WALL	WABO	WASHINGTON ASSOCIATION OF BUILDING OFFICIALS		
STL	STEEL, STREET LIGHT	TD	TELEPHONE DUCT, TRENCH DRAIN, TRACK DAMPER	TW PR	TWISTED PAIR				

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

DESIGNED BY:	N. DESTIEGUER
DRAWN BY:	N. DESTIEGUER
CHECKED BY:	R. STOLEN
APPROVED BY:	HAGEL



SCALE:	DATE:	DESIGN PACKAGE:	EWA
NTS	12/20/2019	PERMIT INFORMATION:	CITY OF REDMOND
FILENAME:	CONTRACT NO.:	ALTERATION OF:	GEOLOGIC HAZARD AREA
R200-GEN-GZN105	RTA/CN 0148-18		

DESIGNING NO.:	GEN-GZN105
FACILITY ID.:	GEN
SHEET NO.:	7
REV.:	

DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200

CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD GENERAL ABBREVIATIONS

EXISTING	PROPOSED

EXISTING	PROPOSED

EXISTING	PROPOSED

EXISTING	PROPOSED

WSDOT SYMBOLS

MISCELLANEOUS SYMBOLS

UNDERGROUND UTILITIES W/ A DIAMETER OR WIDTH 24" & GREATER

MISCELLANEOUS LINETYPES

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY: N. DESTIEGUER	REVIEWED BY: J. SCHEITLER
DRAWN BY: N. DESTIEGUER	
CHECKED BY: R. STOLEN	
APPROVED BY: HAGEL	

STEVEN A. HAGEL
PROFESSIONAL ENGINEER
No. 15153

JACOBS

SWK
Stacy and Whitbeck / Kuehn

SOUNDTRANSIT

SCALE: NTS	DESIGN PACKAGE: EWA
FILENAME: R200-GEN-GZN107	PERMIT INFORMATION: CITY OF REDMOND
CONTRACT NO.: RTA/CN 0148-18	ALTERATION OF: GEOLOGIC HAZARD AREA
DATE: 12/20/2019	

DOWNTOWN REDMOND LINK EXTENSION

CONTRACT R200

CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD

GENERAL SYMBOLS AND LEGEND

DRAWING NO.: GEN-GZN107	FACILITY ID: GEN
SHEET NO.: 9	REV.:

XREF: 190-KAP106
 XREF: 190-KAP107
 XREF: 190-KAP108
 XREF: 190-KAP109
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07/01/20 | 12:17 PM | TORREYD
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REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY:
 DRAWN BY:
 CHECKED BY:
 APPROVED BY:

REVIEWED BY:
 J. SCHEITTLER

Jacobs

SWK
 Stacy and Whitbeck / Kurney

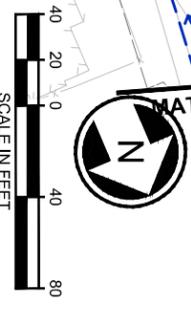
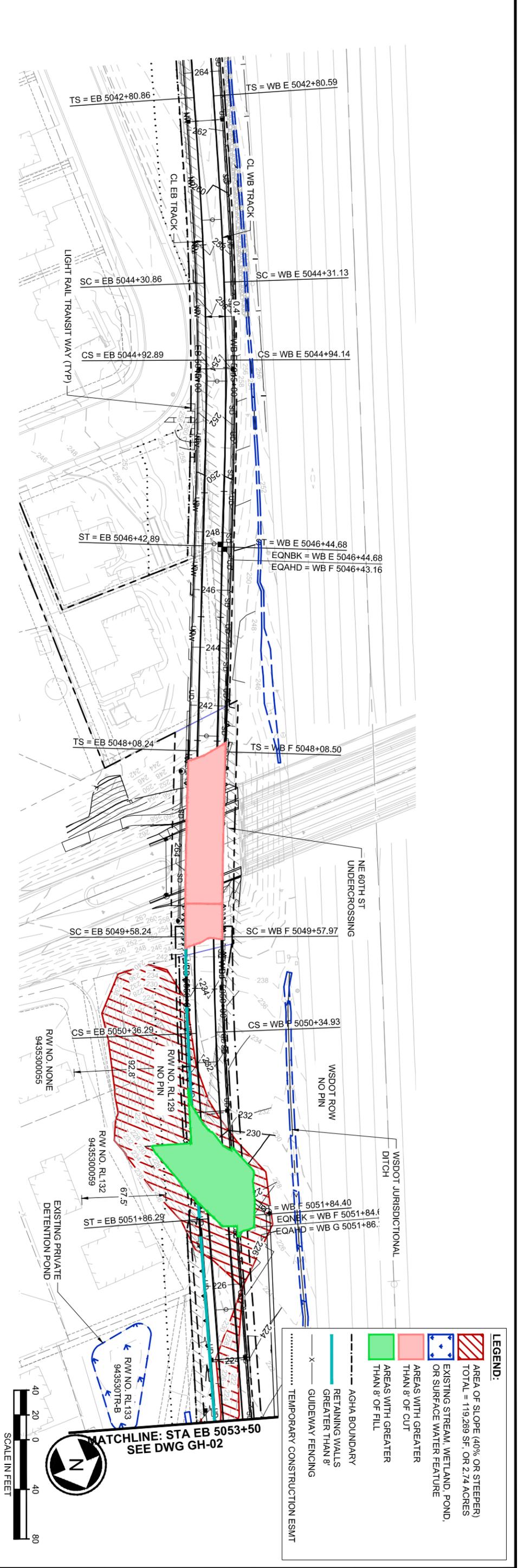
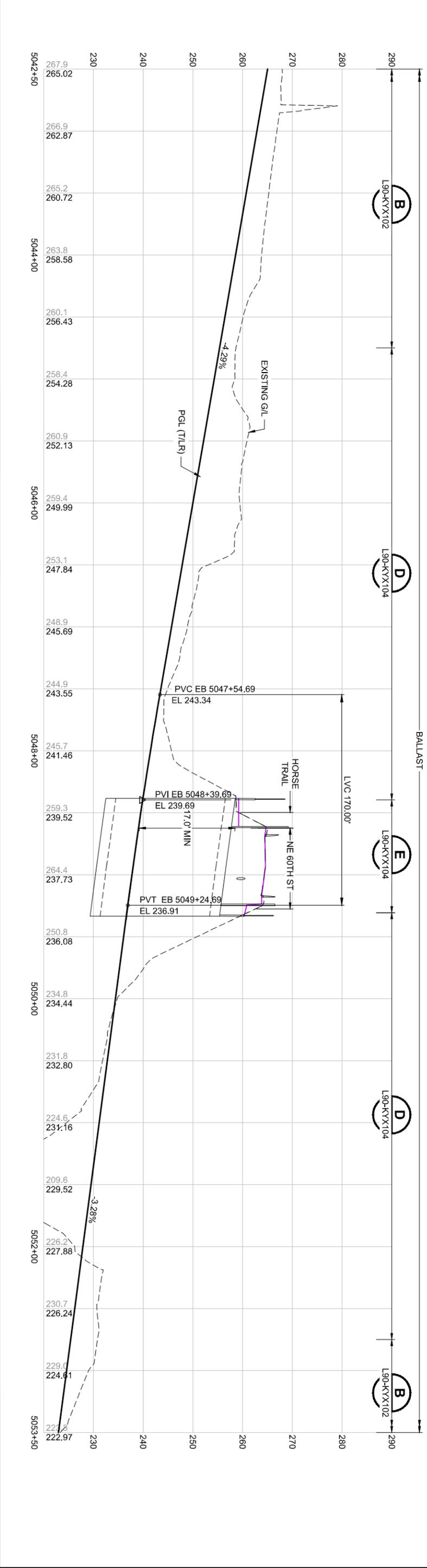
SOUNDTRANSIT
 LINE IS 1" AT FULL SCALE

SCALE:
 H: 1" = 40' V: 1" = 10'
 FILENAME: GH-01
 CONTRACT NO.:
 DATE: 07/01/2020

DESIGN PACKAGE:
 PERMIT INFORMATION:
 CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

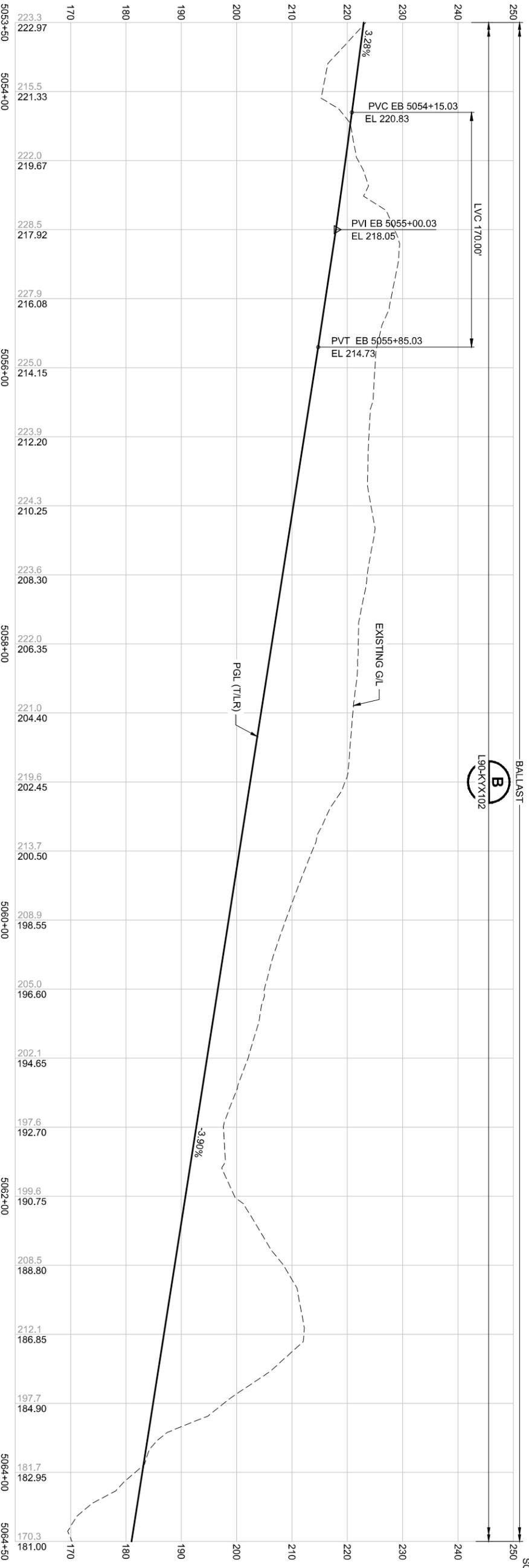
ALTERATION OF GEOLOGIC HAZARD AREA EXHIBIT
 PLAN & EASTBOUND (EB) PROFILE
 EB 5042+50 TO EB 5053+50

DRAWING NO.: L90-KAP106
 FACILITY ID: E28
 SHEET NO.: 10
 REV:



MATCHLINE: STA EB 5053+50
 SEE DWG GH-02

XREF: GH-01-50-00
 XREF: GH-01-50-01
 XREF: GH-01-50-02
 XREF: GH-01-50-03
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LEGEND:

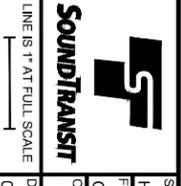
- AREA OF SLOPE (40% OR STEEPER) TOTAL = 119,269 SF, OR 2.74 ACRES
- EXISTING STREAM, WETLAND, POND, OR SURFACE WATER FEATURE
- AREAS WITH GREATER THAN 8' OF CUT
- AREAS WITH GREATER THAN 8' OF FILL
- AGHA BOUNDARY
- RETAINING WALLS GREATER THAN 8'
- GUIDEVANWAY FENCING
- TEMPORARY CONSTRUCTION ESMT

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY:	
DRAWN BY:	
CHECKED BY:	
APPROVED BY:	



SCALE:	H: 1" = 40'; V: 1" = 10'
FILENAME:	GH-02
CONTRACT NO.:	
DATE:	07/01/2020

DESIGN PACKAGE:	CITY OF REDMOND
PERMIT INFORMATION:	ALTERATION OF GEOLOGIC HAZARD AREA

ALTERATION OF GEOLOGIC HAZARD AREA

EXHIBIT

PLAN & EASTBOUND (EB) PROFILE

EB 5053+50 TO EB 5064+50

DRAWING No.:	L90-KAP107
FACILITY ID:	E28
SHEET No.:	11
REV.:	

- KEY NOTES:**
- 1 CONTRACTOR WORKING LIMITS
 - 2 PROTECT EXISTING BARRIER TO REMAIN
 - 3 PROTECT EXISTING POLE TO REMAIN
 - 4 PROTECT EXISTING SIDEWALK TO REMAIN
 - 5 PROTECT EXISTING CURB TO REMAIN
 - 6 PROTECT EXISTING WALL OR ROCKERY TO REMAIN
 - 7 PROTECT EXISTING VAULT IN PLACE
 - 8 PROTECT EXISTING BIKE RACK TO REMAIN
 - 9 PROTECT EXISTING MONUMENT CASE AND COVER
 - 10 SALVAGE MONUMENT
 - 11 REMOVE ASPHALT CONCRETE MEDIAN
 - 12 REMOVE CEMENT CONCRETE PAVEMENT
 - 13 REMOVE ASPHALT CONCRETE PAVEMENT
 - 14 REMOVE CEMENT CONCRETE DRIVEWAY
 - 15 REMOVE ASPHALT CONCRETE DRIVEWAY
 - 16 REMOVE CEMENT CONCRETE SIDEWALK
 - 17 REMOVE ASPHALT CONCRETE SIDEWALK
 - 18 REMOVE CURB
 - 19 REMOVE CURB AND GUTTER
 - 20 REMOVE CEMENT CONCRETE MEDIAN / ISLAND
 - 21 REMOVE BUILDING STRUCTURE AND/OR FOUNDATION
 - 22 REMOVE RETAINING WALL AND FOOTING
 - 23 REMOVE NOISE WALL AND FOOTING
 - 24 REMOVE NEWSPAPER VENDING MACHINE AND FOUNDATION
 - 25 REMOVE WOODEN STEPS
 - 26 REMOVE CONCRETE STAIRS/RAMP, LANDING, AND/OR METAL RAILING
 - 27 REMOVE BOLLARD AND FOUNDATION
 - 28 REMOVE CHAIN LINK FENCE, POST, AND FOUNDATIONS
 - 29 REMOVE WOOD FENCE, POSTS, AND FOUNDATIONS
 - 30 REMOVE ROCKERY
 - 31 REMOVE AND SALVAGE MAILBOX AND FOUNDATION
 - 32 REMOVE AND SALVAGE GUARDRAIL AND ANCHORS
 - 33 REMOVE BIKE LOCKERS, SALVAGE AND DELIVER TO COMMUNITY TRANSIT
 - 34 REMOVE TREE OUTSIDE CLEARING AND GRUBBING LIMIT
 - 35 REMOVE TREES, LANDSCAPING, AND VEGETATION WITHIN CLEARING AND GRUBBING LIMITS
 - 36 REMOVE WOOD PLANTER
 - 37 REMOVE MASONRY PLANTER AND FOUNDATION
 - 38 REMOVE LANDSCAPE ROCKS
 - 39 REMOVE WOODEN DECK STRUCTURE
 - 40 BUS SHELTER TO BE REMOVED BY COMMUNITY TRANSIT PRIOR TO CONSTRUCTION
 - 41 REMOVE MODULAR BLOCK WALL
 - 42 REMOVE METAL RAILING/FENCE AND FOUNDATION

- KEY NOTES (CONTD.):**
- 43 REMOVE GATE, POST, AND FOUNDATION
 - 44 REMOVE EXISTING RAILROAD TRACKS, TIES, AND OTHER TRACK MATERIALS
 - 45 REMOVE EXISTING EMBEDDED RAILS
 - 46 REMOVE RAILROAD BALLAST
 - 47 REMOVE RAILROAD SWITCH
 - 48 REMOVE AND SALVAGE SPECIALTY SIGN, REMOVE FOUNDATION
 - 49 RELOCATE MONITORING WELL
 - 50 REMOVE AND RELOCATE OSPREY NEST
 - 51 REMOVE CONCRETE SLOPE PROTECTION
 - 52 SAWCUT
 - 53 PROTECT EXISTING TREE TO REMAIN
 - 54 REMOVE SILVA CELL, SHRUBBERY, TREE, PERMEABLE CONCRETE, AND WHEEL STOPS
 - 55 PROTECT EXISTING PLANTER WITHIN EASEMENT
 - 56 REMOVE CAST IN PLACE BARRIER
 - 57 REMOVE AND SALVAGE PEDESTRIAN RAILING
 - 58 REMOVE WIND SCREEN
 - 59 REMOVE AND SALVAGE SPECIALTY SIGN, REMOVE FOUNDATION
 - 60 REMOVE AND SALVAGE CONCRETE TRAFFIC BARRIER
 - 61 REMOVE AND DISPOSE OF SUPPORT COLUMN, BILLBOARD, AND FOUNDATION TO 4' BELOW EXISTING GRADE
 - 62 PROTECT ECOLOGY EMBANKMENT TO REMAIN
 - 63 REMOVE AND SALVAGE IMPACT ATTENUATOR
 - 64 REMOVE TRUCK APRON
 - 65 REMOVE BIKE RACK, SALVAGE AND DELIVER TO COMMUNITY TRANSIT
 - 66 REMOVE EXTRUDED CURB
 - 67 REMOVE CONCRETE PATIO
 - 68 REMOVE CANTILEVER SIGN STRUCTURE, FOUNDATION TO REMAIN, REMOVE ANCHOR BOLTS TO BE FLUSH WITH CONCRETE FOUNDATION
 - 69 REMOVE SIGN BRIDGE AND FOUNDATION
 - 70 STRUCTURE AND FOUNDATION REMOVED BY OTHERS
 - 71 NOT USED
 - 72 REPLACE ANY LOOPS THAT ARE CUT DURING REMOVAL OF ASPHALT CONCRETE. INSTALL NEW VEHICLE DETECTION LOOPS PER WSDOT STD J-50.12 AND J-50.15
 - 73 REMOVE AND SALVAGE METAL RAIL ARTWORK (BY OTHERS)
 - 74 NOT USED
 - 75 REMOVE GRAVEL
 - 76 NOT USED
 - 77 REMOVE WOOD WALL, SUPPORTS, AND FOUNDATIONS
 - 78 TEMPORARY WETLAND PROTECTION
 - 79 REMOVE AND SALVAGE CELLULAR TOWER, SUPPORTS AND FOUNDATION
 - 80 REMOVE WOODEN PEDESTRIAN BRIDGE AND CULVERTS
 - 81 NOT USED
 - 82 REMOVE AND SALVAGE VACUUM STATION
 - 83 REMOVE AND SALVAGE AIR AND WATER MACHINE

DEMO AND REMOVAL LEGEND*

	EXISTING GRAVEL TO BE REMOVED
	VEGETATION REMOVAL
	TEMPORARY WETLAND PROTECTION
	REMOVE GUARDRAIL / FENCE / BARRIER
	REMOVE WALL / SOUND WALL
	CLEAR AND GRUB LIMITS LINE
	CONSTRUCTION LIMITS
	EARLY CLEARING AND GRUBBING #4 PERMIT LIMITS

DEMO AND REMOVAL SYMBOLS*

	SIGN REMOVAL CALLOUT
	BUILDING NUMBER

DEMO AND REMOVAL GENERAL NOTES:

- 1 SEE COMPOSITE UTILITY DRAWINGS L90-UCP101 THRU L90-UCP330 AND DRAINAGE DRAWINGS L90-CDP101 THRU L90-CDP336 FOR UTILITIES TO BE REMOVED AND TO REMAIN.
- 2 SEE ILLUMINATION DRAWINGS L90-CLP102 THRU L90-CLP317 FOR LUMINAIRES TO BE REMOVED AND THOSE TO REMAIN, HATCH PATTERNS.
- 3 SEE LEGEND AND ABBREVIATIONS DRAWINGS L90-GZN101 THRU L90-GZN107 FOR ABBREVIATIONS, SYMBOLS, AND HATCH PATTERNS.
- 4 SAWCUTS WITHOUT HORIZONTAL CONTROL NOTED ARE FOR UNDERGROUND UTILITIES OR DRAINAGE IMPROVEMENTS. REFERENCE NOTED STANDARD DRAWINGS ON DRAINAGE (GDP) OR UTILITY (UCP) PLAN SETS FOR LOCATION OF SAWCUTS.
- 5 SAWCUT, REMOVAL, OR PROTECTION OF EXISTING SIDEWALKS AND WALLS SHALL BE FIELD ADJUSTED TO THE NEAREST PANEL JOINT UNLESS OTHERWISE NOTED. SLURRY OR OTHER HIGH PH MATERIAL GENERATED DURING SAWCUTTING SHALL BE CAPTURED, STORED AND DISPOSED OF PER ACQUIRED PROJECT PERMITS AND ASSOCIATED DISPOSAL PLANS.
- 6 FOR MAINTENANCE OF TRAFFIC, PEDESTRIAN ROUTES AND WORK ZONE LIMITATIONS, SEE DRAWINGS L90-TIP101 THRU L90-TIP281 AND L90-TSP101 THRU L90-TSP310.
- 7 CONTRACT WORK LIMITS ARE DEFINED BY THE CLEARING AND GRUBBING LIMITS OR TEMPORARY CONSTRUCTION FENCE AS SHOWN IN THE CONTRACT DRAWINGS AND APPROVED STAGING AREA MANAGEMENT PLAN.
- 8 IN ACCORDANCE WITH RCW 58.09130, WAC 332-120-030 AND RCW 58.24.040, SURVEY MONUMENTS SHALL BE PROTECTED OR RE-ESTABLISHED THROUGH THE PROCESS OF AN "APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT" (DNR FORM) SUBMITTED TO THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. SEE L90-GRMPXXX THRU L90-GRMPXXX FOR MONUMENT LOCATIONS AND ADDITIONAL INFORMATION.
- 9 ALL ITEMS NOT SPECIFIED FOR REMOVAL SHALL BE PROTECTED IN PLACE.
- 10 FOR LOCATIONS OF MONITORING WELLS TO BE DECOMMISSIONED AND REQUIREMENTS, SEE SPECIFICATION 31.09.00, GEOTECHNICAL INSTRUMENTATION AND MONITORING OF EARTHWORK.
- 11 TREE PROTECTION FENCING TO BE INSTALLED PRIOR TO ANY EARTH DISTURBING WORK BEGINS.
- 12 COORDINATE REMOVAL OF BUILDING STRUCTURES AND FOUNDATION WITH REMOVALS INCLUDED AS PART OF THE UTILITY PLAN SHEETS. SEE COMPOSITE UTILITY DRAWINGS L90-UCP101 THRU L90-UCP330.
- 13 ADDITIONAL DEMOLITION MAY BE REQUIRED FOR CONTRACTOR CONSTRUCTION ACCESS. ADDITIONAL DEMOLITION SHALL BE PERMITTED WITH THE AUTHORITY HAVING JURISDICTION AND ANY REMOVALS SHALL BE RESTORED TO EXISTING CONDITIONS OR AS AGREED TO IN THE AHJ PERMIT.
- 14 FOR HAZARDOUS MATERIAL REMOVAL INFORMATION, SEE L90-eCXPXXX TO L90-eCXPXXX.
- 15 SEE SIGNAL DRAWINGS L90-TSP100 THRU L90-TSP310 FOR SIGNAL EQUIPMENT REMOVALS.
- 16 GUARDRAILS INDICATED FOR REMOVAL SHALL NOT BE REMOVED UNTIL APPROVED TRAFFIC CONTROL PLAN ADDRESSING HAZARD PROTECTION IS IN PLACE.
- 17 ALL EXISTING STREAMS WITH STORMWATER RUNOFF DISCHARGING INTO THEM AND WITHIN 100 FEET DOWN GRADIENT OF THE CONTRACT WORK LIMITS SHALL BE PROTECTED PER THE CONTRACT SPECIFICATIONS.
- 18 FOR DEMOLITION AND REMOVALS WITHIN WSDOT RIGHT OF WAY SEE SHEETS L90-CXP270 THRU L90-CXP279
- 19 DB SHALL REMOVE OR DEMOLISH ALL EXISTING STRUCTURES, SURFACE FEATURES, AND VEGETATION NECESSARY FOR CONSTRUCTING PROJECT IMPROVEMENTS.
- 20 FOR DEMOLITION AND REMOVALS OUTSIDE WSDOT RIGHT OF WAY SEE SHEETS L90-CXP123 THRU L90-CXP125 AND SHEETS L90-CXP325 THRU L90-CXP330
- 21 FOR TREE INVENTORY TABLES WITHIN GEOHAZARD AREAS SEE SHEETS L90-CXD107 THRU L90-CXD111
- 22 FOR TREE INVENTORY TABLES WITHIN SPE PERMIT AREAS SEE SHEETS L90-CXD112 AND L90-CXD113
- 23 VEGETATION, EXCLUDING TREE TRUNKS, WILL BE GROUND UP AND USED AS MULCH FOR EROSION CONTROL TO THE EXTENT PRACTICAL
- 24 CONTRACTOR SHALL PROTECT EXISTING UTILITIES INCLUDING ACTIVE SEWER, WATER, GAS, ELECTRIC, FIBER OPTIC AND CABLE, TELECOMMUNICATIONS, AND OTHER UTILITIES FOUND OR OTHERWISE KNOWN TO THE CONTRACTOR BEFORE OR DURING DEMOLITION WORK.
- 25 CALL 1-800-425-555, OR 811, MINIMUM OF 2 AND MAXIMUM OF 10 BUSINESS DAYS BEFORE EXCAVATION FOR UTILITY LOCATES.
- 26 BOUNDARIES OF STREAMS, WETLANDS, AND OTHER REGULATED CRITICAL AREAS WILL BE SURVEYED AND VERIFIED PRIOR TO INSTALLING CLEAR AND GRUB LIMITS.
- 27 OSPREY NEST TO BE RELOCATED AS PART OF A SEPARATE SUP AND CLEAR AND GRUB PERMIT
- 28 SEE EARLY CLEARING AND GRADING PERMIT #4 FOR DEMOLITION AND REMOVALS WITHIN THE EARLY CLEAR AND GRUB LIMITS SHOWN
- 29 SEE HGS DRAWINGS FOR ADDITIONAL DEMOLITION AND REMOVALS
- 30 FOR ALL WORKS OCCURRING ON PARCEL 1425059068 SEE CITY OF REDMOND ADMIN MOD LAND2019-00654
- 31 TREE PRESERVATION AND REMOVAL PLANS SHALL BE IN ACCORDANCE WITH THE ASSOCIATED APPROVED SITE CIVIL CONSTRUCTION PERMIT DRAWINGS.

REFER TO GEN-GZN106 TO GZN107 FOR ADDITIONAL SYMBOLS AND LEGEND

DESIGNED BY: T. HANSLER	DRAWN BY: T. HANSLER	CHECKED BY: A. SHERRY	APPROVED BY: R. LUDWIG	REVIEWED BY: J. SCHEITTLER
JACOBS				
Stacy and Witbeck / Kuey				
SWK				
SoundTransit				
LINE IS 1" AT FULL SCALE				
DATE: 04/13/2020				
SCALE: NTS	DESIGN PACKAGE: EWA	PERMIT INFORMATION: CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA		
FILENAME: R200-L90-CXN101	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200			
CONTRACT NO.: RTA/CN 0148-18	CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD DEMOLITION AND REMOVAL NOTES			
DRAWING NO.: L90-CXN101	FACILITY ID: L90			
SHEET NO.: 13	REV.:			

TREE INVENTORY TABLE - CITY OF REDMOND ALTERATION OF GEOLOGICAL HAZARD AREA												
TREE TAG	SPECIES-COMMON NAME	SPECIES- BOTANIC. NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	SHOR ELINE	NPGA	AGHA EWA
576	Big leaf maple	Acer macrophyllum	9.0	4.5		4.5	Remove	Non-Sig				
577	Shore pine	Pinus contorta var. contorta	0.0	0.0		0.0	Remove	Non-Sig				
600	Big leaf maple	Acer macrophyllum	9.2	4.4		4.4	Remove	Non-Sig				
609	Bigleaf maple	Acer macrophyllum	27.0	18.7	Fair to Good	19.3	Remove	Sig				
611	Western redecedar	Thuja plicata	25.6	17.7	Fair	17.7	Remove	Sig				
612	Cherry	Prunus sp.	8.9	4.2		4.2	Impact	Non-Sig				
613	Bigleaf maple	Acer macrophyllum	10.8	6.8		6.8	Impact	Sig				
614	Bigleaf maple	Acer macrophyllum	11.0	5.8		5.8	Impact	Non-Sig				
615	Cherry	Prunus sp.	8.9	4.9		4.9	Impact	Non-Sig				
616	Western redecedar	Thuja plicata	16.8	18.5		18.5	Remove	Sig				
751	Western redecedar	Thuja plicata	10.0	5.8	Good	5.8	Remove	Non-Sig				
752	Western redecedar	Thuja plicata	15.0	6.6	Good	6.6	Remove	Sig				
753	Douglas fir	Pseudotsuga menziesii	10.0	8.0	Fair	14.0	Remove	Sig				
753	Western redecedar	Thuja plicata	9.0	6.0	Fair	5.9	Remove	Non-Sig				
754	Shore pine	Pinus contorta var. contorta	17.0	10.0	Poor	11.6	Impact	Sig				
755	Western redecedar	Thuja plicata	15.0	17.1	Good	17.1	Retain	Sig				
831	Douglas fir	Pseudotsuga menziesii	20.0	33.9	Good	33.9	Remove	Landm				
832	Douglas fir	Pseudotsuga menziesii	9.0	6.0	Fair	18.1	Remove	Sig				
833	Douglas fir	Pseudotsuga menziesii	10.0	8.0	Fair	14.0	Remove	Sig				
911	Norway Maple	Acer platanoides	27.0	20.5	Good	20.5	Impact	Sig				
969	Oregon Ash	Fraxinus latifolia	15.4	9.4	Good	9.4	Impact	Sig				
1036	Western red cedar	Thuja plicata	12.0	10.0	Fair	10.0	Remove	Sig				
1037	Douglas fir	Pseudotsuga menziesii	19.0	22.0	Fair to Good	22.0	Remove	Sig				
1038	Bigleaf maple	Acer macrophyllum	23.0	19.8	Fair	19.8	Impact	Sig				
1039	Western red cedar	Thuja plicata	15.0	14.0	Fair to Good	14.0	Remove	Sig				
1039	Douglas fir	Pseudotsuga menziesii	11.0	7.0	Fair	7.0	Remove	Sig				
1040	Western red cedar	Thuja plicata	9.0	7.0	Fair	7.0	Remove	Sig				
1041	Western red cedar	Thuja plicata	18.0	14.0	Fair	14.0	Impact	Sig				
1042	Bigleaf maple	Acer macrophyllum	23.0	14.0	Fair	14.0	Impact	Sig				
1044	Douglas fir	Pseudotsuga menziesii	17.0	12.0	Fair to Good	12.0	Remove	Sig				
1049	Willow	Salix species	16.0	6.0	Fair	9.3	Impact	Sig				
1052.1	Western red cedar	Thuja plicata	16.0	14.0	Fair	14.0	Impact	Sig				
1053	Sweetgum	Liquidambar styraciflua	3.0	4.7	Dead	4.7	Retain	Non-Sig				
1067	Bigleaf maple	Acer macrophyllum	15.0	9.0	Fair to Good	9.0	Impact	Sig				
1068	Bigleaf maple	Acer macrophyllum	17.0	15.0	Poor to Fair	15.0	Impact	Sig				
1079	Douglas fir	Pseudotsuga menziesii	18.0	20.0	Fair	20.0	Impact	Sig				
1080	Douglas fir	Pseudotsuga menziesii	18.0	30.0	Fair	30.0	Impact	Landm				
1081	Douglas fir	Pseudotsuga menziesii	18.0	25.0	Fair	25.0	Impact	Sig				
3001	Douglas fir	Pseudotsuga menziesii	14.4	20.0	Fair	20.4	Retain	Sig				
3002	Douglas fir	Pseudotsuga menziesii	7.6	5.8	Fair	6.1	Retain	Sig				
3003	Douglas fir	Pseudotsuga menziesii	15.5	17.5	Fair	21.5	Retain	Sig				
3005	Bigleaf maple	Acer macrophyllum	30.0	8.6	Fair	14.7	Remove	Sig				
3006	Big leaf maple	Acer macrophyllum	18.0	4.9	Fair	4.9	Impact	Non-Sig				
3007	Locus	Gleditsia or Robinia?	10.0	5.6	Fair	5.6	Retain	Non-Sig				
3008	Big leaf maple	Acer macrophyllum	25.0	17.9	Fair	17.9	Impact	Sig				
3027	Bitter cherry	Prunus emarginata	18.0	14.1	Good	21.5	Impact	Sig				
3028	Bitter cherry	Prunus emarginata	20.0	13.4	Good	13.4	Impact	Sig				
3029	Red alder	Alnus rubra	20.0	10.1	Fair	10.1	Impact	Sig				
3030	Bigleaf maple	Acer macrophyllum	55.0	8.9	Fair	8.9	Impact	Sig				
3031	Douglas fir	Pseudotsuga menziesii	15.0	16.0	Fair	16.4	Impact	Sig				
3032	Bigleaf maple	Acer macrophyllum	18.0	14.0	Fair	18.4	Impact	Sig				
3033	Douglas fir	Pseudotsuga menziesii	12.0	9.0	Fair	7.9	Impact	Sig				
3034	Douglas fir	Pseudotsuga menziesii	20.0	20.0	Fair	20.1	Impact	Sig				
3036	Big leaf maple	Thuja plicata	17.0	8.0	Poor	6.3	Impact	Sig				
3037	Bigleaf maple	Acer macrophyllum	6.0	8.0	Very Poor	9.2	Impact	Sig				
3039	Bigleaf maple	Acer macrophyllum	17.0	24.2	Poor	15.0	Impact	Sig				
3040	Bigleaf maple	Acer macrophyllum	15.0	13.0	Fair	13.0	Impact	Sig				
3088	Douglas fir	Pseudotsuga menziesii	16.2	13.5	Fair	13.8	Retain	Sig				
3089	Red Alder	Alnus rubra	9.0	4.2	Poor	4.2	Impact	Non-Sig				
3090	Cherry	Prunus sp.	6.0	5.3	Fair	5.3	Impact	Non-Sig				

TREE INVENTORY TABLE - CITY OF REDMOND ALTERATION OF GEOLOGICAL HAZARD AREA												
TREE TAG	SPECIES-COMMON NAME	SPECIES- BOTANIC. NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	SHOR ELINE	NPGA	AGHA EWA
3091	Douglas fir	Pseudotsuga menziesii	13.0	8.0	Fair	14.2	Remove	Sig				
3093	Red alder	Alnus rubra	7.0	4.5	Good	4.5	Impact	Non-Sig				
3094	Douglas fir	Pseudotsuga menziesii	15.6	20.0	Good	26.5	Impact	Sig				
3095	Douglas fir	Pseudotsuga menziesii	15.2	20.0	Good	31.0	Retain	Landm				
3096	Douglas fir	Pseudotsuga menziesii	16.6	20.0	Good	27.2	Retain	Sig				
3097	Douglas fir	Pseudotsuga menziesii	9.5	20.0	Fair	21.7	Retain	Sig				
3098	Douglas fir	Pseudotsuga menziesii	15.3	20.0	Fair	34.2	Retain	Landm				
3099	Bigleaf maple	Acer macrophyllum	17.5	19.0	Poor	23.8	Impact	Sig				
3100	Douglas fir	Pseudotsuga menziesii	17.2	30.0	Good	23.7	Retain	Sig				
3552	Black cottonwood	Populus trichocarpa	15.0	6.0	Good	12.8	Impact	Sig				
3567	Willow sp	Salix sp.	17.0	12.1	Good	12.1	Impact	Sig				
3568	Lodge pole pine	Pinus contorta	6.0	4.1	Poor	4.1	Impact	Non-Sig				
3569	Red alder	Alnus sp.	8.0	7.5	Poor	7.5	Impact	Sig				
3570	Black cottonwood	Populus	19.0	11.5	Good	11.5	Impact	Sig				
3571	Black cottonwood	Populus trichocarpa	10.0	7.5	Good	8.0	Impact	Sig				
3572	Black cottonwood	Populus trichocarpa	9.0	6.5	Fair	8.6	Impact	Sig				
3574	Douglas fir	Pseudotsuga menziesii	6.0	4.0	Fair	5.2	Impact	Non-Sig				
3575	Willow sp.	Salix sp.	5.0	5.4	Poor	5.4	Impact	Non-Sig				
3576	Willow sp.	Salix sp.	18.0	9.3	Good	9.3	Impact	Sig				
3581	Black cottonwood	Populus trichocarpa	11.0	6.5	Good	10.5	Impact	Sig				
3590	Red alder	Alnus rubra	6.0	5.0	Poor	5.0	Impact	Non-Sig				
3699	Black cottonwood	Populus trichocarpa	16.0	9.0	Good	14.1	Impact	Sig				
3703	Bigleaf maple	Acer macrophyllum	28.0	23.5	Fair	26.8	Impact	Sig				
3703	Douglas fir	Pseudotsuga menziesii	19.0	20.0	Fair	28.8	Impact	Sig				
3704	Bigleaf maple	Acer macrophyllum	20.0	7.2		7.2	Impact	Sig				
3705	Bigleaf maple	Acer macrophyllum	20.0	5.8	Good	5.8	Impact	Non-Sig				
3706	Bigleaf maple	Acer macrophyllum	18.0	6.5	Good	6.5	Impact	Sig				
3707	Douglas fir	Pseudotsuga menziesii	12.0	10.5	Poor	10.5	Impact	Sig				
3708	Bigleaf maple	Acer macrophyllum	12.8	9.7	Fair	9.7	Remove	Sig				
3709	Douglas fir	Pseudotsuga menziesii	30.0	24.6	Good	24.6	Impact	Sig				
3800	Bigleaf maple	Acer macrophyllum	17.0	13.0	Good	13.0	Remove	Sig				
3802	Douglas fir	Pseudotsuga menziesii	20.0	17.0	Good	19.1	Impact	Sig				
3803	Douglas fir	Pseudotsuga menziesii	14.0	16.0	Good	18.9	Impact	Sig				
3804	Western red cedar	Thuja plicata	12.0	18.0	Poor	36.5	Impact	Landm				
3805	Big leaf maple	Acer macrophyllum	15.0	20.7	Fair	20.7	Impact	Sig				
3805	Norway maple	Acer sp.	23.4	17.7	Good	17.7	Impact	Sig				
3901	Douglas fir	Pseudotsuga menziesii	24.3	20.3	Good	20.3	Impact	Sig				
3902	Norway maple	Acer sp.	26.5	19.7	Good	19.7	Impact	Sig				
3903	Oregon Ash	Fraxinus latifolia	28.0	26.9	Good	26.9	Remove	Sig				
3904	Bigleaf maple	Acer macrophyllum	14.8	8.8	Good	8.8	Impact	Sig				
3929	Bigleaf maple	Acer macrophyllum	26.0	9.5	Fair to Good	12.8	Remove	Sig				
5930	Bigleaf maple	Acer macrophyllum	25.0	18.0	Fair to Good	21.6	Remove	Sig				
5932	Douglas fir	Pseudotsuga menziesii	8.0	19.1	Dying/Dead	19.1	Remove	Sig				
5933	Bigleaf maple	Acer macrophyllum	19.0	5.7	Poor to Fair	5.9	Remove	Non-Sig				
5934	Bigleaf maple	Acer macrophyllum	27.0	13.8	Fair to Good	13.5	Remove	Sig				
5935	Bigleaf maple	Acer macrophyllum	26.0	5.1	Fair	6.4	Remove	Sig				
5937	Bigleaf maple	Acer macrophyllum	25.0	16.6	Fair	17.2	Remove	Sig				
5938	Bigleaf maple	Acer macrophyllum	28.0	59.0	Poor to Fair	47.9	Remove	Landm				
5939	Bigleaf maple	Acer macrophyllum	26.0	14.7	Fair	16.3	Remove	Sig				
5940	Bigleaf maple	Acer macrophyllum	18.0	7.1	Fair	8.1	Remove	Sig				
5941	Bigleaf maple	Acer macrophyllum	22.0	12.2	Fair	13.8	Remove	Sig				
5942	Bigleaf maple	Acer macrophyllum	17.0	8.1	Fair	8.8	Remove	Sig				
5946	Bigleaf maple	Acer macrophyllum	24.0	11.3	Fair to Good	12.3	Remove	Sig				
5947	Bigleaf maple	Acer macrophyllum	26.0	18.1	Fair to Good	21.0	Remove	Sig				
5948	Western red cedar	Thuja plicata	15.0	15.0	Fair	16.3	Remove	Sig				
5949	Bigleaf maple	Acer macrophyllum	18.0	11.3	Fair	10.9	Remove	Sig				
5950	Bigleaf maple	Acer macrophyllum	15.0	4.8	Poor to Fair	5.1	Remove	Non-Sig				
5951	Bigleaf maple	Acer macrophyllum	14.0	5.7	Poor to Fair	6.1	Remove	Sig				
5954	Bigleaf maple	Acer macrophyllum	25.0	11.0	Fair	11.8	Remove	Sig				
5955	Bigleaf maple	Acer macrophyllum	22.0	6.1	Fair	7.6	Remove	Sig				
5956	Western red cedar	Thuja plicata	24.0	28.9	Fair	30.6	Remove	Landm				

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: L. FRENCH
DRAWN BY: L. FRENCH
CHECKED BY: L. CRICKMORE
APPROVED BY: L. FRENCH

REVIEWED BY: J. SCHELLER

SUBMITTED BY: A. TISCARENO

SCALE: NTS
FILENAME: R200-L90-CXS101
CONTRACT NO.: R1A/CN 0148-18
DATE: 4/3/2014

DESIGN PACKAGE: **EWA**
PERMIT INFORMATION:
CITY OF REDMOND
ALTERATION OF GEOLOGIC HAZARD AREA

TREE INVENTORY TABLE - CITY OF REDMOND ALTERATION OF GEOLOGICAL HAZARD AREA														
TREE TAG	SPECIES-COMMON NAME	SPECIES-BOTANIC NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	SHOR ELINE	NGPA	AGHA	EWA	CLG4
5957	Douglas fir	Pseudotsuga menziesii	18.0	25.1	Fair to Good	Fair to Good	28.6	Remove	Sig		Y	Y	Y	
5958	Bigleaf maple	Acer macrophyllum	16.0	6.3	Fair to Good	Fair	6.6	Remove	Sig		Y	Y	Y	
5959	Bigleaf maple	Acer macrophyllum	9.0	4.1	Poor to Fair	Poor to Fair	4.4	Remove	Non-Sig		Y	Y	Y	
5960	Bigleaf maple	Acer macrophyllum	24.0	9.7	Fair	Fair	10.8	Remove	Sig		Y	Y	Y	
6065	Western red cedar	Thuja plicata	14.0	14.1	Fair	Fair	14.2	Impact	Sig		Y	Y	Y	
6551	Western red cedar	Thuja plicata	15.0	7.5	Poor to Fair	Fair	10.1	Remove	Sig		Y	Y	Y	
6980	Bigleaf maple	Acer macrophyllum	23.0	18.2	Good	Fair	17.3	Remove	Sig		Y	Y	Y	
6981	Bigleaf maple	Acer macrophyllum	17.0	11.8	Poor	Poor	13.1	Remove	Sig		Y	Y	Y	
6982	Bigleaf maple	Acer macrophyllum	28.0	14.0	Fair	Fair	16.0	Remove	Sig		Y	Y	Y	
6983	Bigleaf maple	Acer macrophyllum	13.0	9.7	Fair	Fair	12.8	Impact	Sig		Y	Y	Y	
6984	Bigleaf maple	Acer macrophyllum	15.0	13.7	Fair	Fair	15.9	Impact	Sig		Y	Y	Y	
6985	Bigleaf maple	Acer macrophyllum	16.0	13.0	Fair	Fair	14.0	Impact	Sig		Y	Y	Y	
6986	Bigleaf maple	Acer macrophyllum	23.0	5.7	Fair	Fair	9.0	Remove	Sig		Y	Y	Y	
6987	Bigleaf maple	Acer macrophyllum	26.0	5.0	Fair	Fair	8.6	Remove	Sig		Y	Y	Y	
6988	Bigleaf maple	Acer macrophyllum	14.0	4.0	Fair	Fair	5.0	Remove	Non-Sig		Y	Y	Y	
6989	Bigleaf maple	Acer macrophyllum	15.0	4.7	Poor	Poor	5.6	Remove	Non-Sig		Y	Y	Y	
6990	Bigleaf maple	Acer macrophyllum	30.0	39.7	Fair	Fair	39.5	Impact	Landm		Y	Y	Y	
6991	Bigleaf maple	Acer macrophyllum	27.0	11.4	Fair	Poor to Fair	16.6	Remove	Sig		Y	Y	Y	
6992	Bigleaf maple	Acer macrophyllum	25.0	17.7	Good	Fair	20.0	Remove	Sig		Y	Y	Y	
6993	Bigleaf maple	Acer macrophyllum	25.0	7.7	Fair	Fair	9.5	Impact	Sig		Y	Y	Y	
6994	Bigleaf maple	Acer macrophyllum	25.0	16.1	Poor	Poor	15.8	Remove	Sig		Y	Y	Y	
6995	Western red cedar	Thuja plicata	15.0	21.0	Good	Good	18.6	Impact	Sig		Y	Y	Y	
6997	Big leaf maple	Acer macrophyllum	25.0	18.2	Fair	Fair	18.2	Impact	Sig		Y	Y	Y	
6998	Bigleaf maple	Acer macrophyllum	25.0	25.4	Fair	Fair	24.1	Impact	Sig		Y	Y	Y	
9001	Cherry laurel	Prunus laurocerasus	15.0	11.7	Excellent	Good	13.7	Impact	Sig		Y	Y	Y	
9002	Douglas fir	Pseudotsuga menziesii	22.0	9.8	Fair	Poor	10.9	Remove	Sig		Y	Y	Y	
9003	Douglas fir	Pseudotsuga menziesii	19.0	29.5	Good	Good	32.7	Impact	Landm		Y	Y	Y	
9005	Western red cedar	Thuja plicata	12.0	11.3	Poor	Fair	11.4	Impact	Sig		Y	Y	Y	
9006	Western red cedar	Thuja plicata	12.0	9.1	Fair	Fair	9.6	Impact	Sig		Y	Y	Y	
9007	Western red cedar	Thuja plicata	7.0	17.4	Very Poor	Very Poor	6.4	Impact	Sig		Y	Y	Y	
9008	Giant sequoia	Sequoiadendron giganteum	23.0	42.7	Good	Fair	42.8	Impact	Landm		Y	Y	Y	
9009	Douglas fir	Pseudotsuga menziesii	19.0	29.2	Good	Good	30.4	Impact	Landm		Y	Y	Y	
9010	Douglas fir	Pseudotsuga menziesii	30.0	40.4	Good	Fair to Good	40.6	Impact	Landm		Y	Y	Y	
9011	Western red cedar	Thuja plicata	21.0	24.0	Good	Good	25.4	Retain	Sig		Y	Y	Y	
9012	Douglas fir	Pseudotsuga menziesii	21.0	24.7	Fair	Fair	27.3	Retain	Sig		Y	Y	Y	
9013	Western red cedar	Thuja plicata	19.0	19.7	Good	Fair	21.2	Retain	Sig		Y	Y	Y	
9015	Douglas fir	Pseudotsuga menziesii	16.0	20.8	Poor	Poor	22.2	Retain	Sig		Y	Y	Y	
9016	Douglas fir	Pseudotsuga menziesii	15.0	27.0	Good	Good	27.0	Retain	Sig		Y	Y	Y	
9017	Douglas fir	Pseudotsuga menziesii	20.0	15.7	Good	Fair	15.9	Impact	Sig		Y	Y	Y	
9018	Bigleaf maple	Acer macrophyllum	18.1	17.3	Dead	Dead	17.3	Impact	Sig		Y	Y	Y	
9019	Bigleaf maple	Acer macrophyllum	15.0	19.3	Fair	Fair	23.6	Impact	Sig		Y	Y	Y	
9020	Cherry laurel	Prunus laurocerasus	20.0	4.3	Good	Poor	5.8	Impact	Non-Sig		Y	Y	Y	
9021	Bigleaf maple	Acer macrophyllum	30.0	22.2	Fair	Fair	23.5	Remove	Sig		Y	Y	Y	
9022	Bigleaf maple	Acer macrophyllum	25.0	9.0	Fair	Poor	11.5	Remove	Sig		Y	Y	Y	
9023	Bigleaf maple	Acer macrophyllum	12.0	12.2	Fair	Poor	12.8	Impact	Sig		Y	Y	Y	
9024	Douglas fir	Pseudotsuga menziesii	14.0	12.7	Good	Very Poor	13.6	Impact	Sig		Y	Y	Y	
9025	Douglas fir	Pseudotsuga menziesii	18.0	23.4	Fair	Fair	23.0	Impact	Sig		Y	Y	Y	
9026	Bigleaf maple	Acer macrophyllum	14.0	11.0	Very Poor	Very Poor	12.7	Impact	Sig		Y	Y	Y	
9027	Western red cedar	Thuja plicata	21.0	20.3	Fair	Good	22.4	Retain	Sig		Y	Y	Y	
9028	Douglas fir	Pseudotsuga menziesii	25.0	32.3	Fair	Good	33.2	Retain	Landm		Y	Y	Y	
9029	Douglas fir	Pseudotsuga menziesii	10.0	20.0	Fair	Fair	19.4	Retain	Sig		Y	Y	Y	
9030	Bigleaf maple	Acer macrophyllum	20.0	9.1	Fair	Fair	9.0	Impact	Sig		Y	Y	Y	
9031	Douglas fir	Pseudotsuga menziesii	10.0	19.9	Fair	Fair	19.9	Retain	Sig		Y	Y	Y	
9032	Douglas fir	Pseudotsuga menziesii	26.0	26.3	Fair to Good	Fair	26.3	Retain	Sig		Y	Y	Y	
9033	Western red cedar	Thuja plicata	12.0	21.4	Fair to Good	Fair	21.4	Retain	Sig		Y	Y	Y	
9034	Western red cedar	Thuja plicata	14.0	10.0	Fair	Fair	10.0	Retain	Sig		Y	Y	Y	
9035	Douglas fir	Pseudotsuga menziesii	14.0	15.2	Fair	Fair	15.2	Retain	Sig		Y	Y	Y	
9036	Douglas fir	Pseudotsuga menziesii	27.0	30.6	Fair	Fair	30.6	Retain	Landm		Y	Y	Y	
9037	Douglas fir	Pseudotsuga menziesii	28.0	39.3	Fair to Good	Fair to Good	39.3	Retain	Landm		Y	Y	Y	
9038	Douglas fir	Pseudotsuga menziesii	16.0	26.6	Fair	Fair	26.6	Retain	Sig		Y	Y	Y	

TREE INVENTORY TABLE - CITY OF REDMOND ALTERATION OF GEOLOGICAL HAZARD AREA														
TREE TAG	SPECIES-COMMON NAME	SPECIES-BOTANIC NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	SHOR ELINE	NGPA	AGHA	EWA	CLG4
9039	Western red cedar	Thuja plicata	17.0	21.5	Fair	Fair	21.5	Retain	Sig		Y	Y	Y	
9040	Douglas fir	Pseudotsuga menziesii	25.0	42.1	Fair to Good	Fair to Good	42.1	Retain	Landm		Y	Y	Y	
9041	Douglas fir	Pseudotsuga menziesii	19.0	35.0	Fair to Good	Fair	35.0	Retain	Landm		Y	Y	Y	
9042	Douglas fir	Pseudotsuga menziesii	17.0	24.7	Fair	Fair	24.7	Retain	Sig		Y	Y	Y	
9043	Giant sequoia	Sequoiadendron giganteum	28.0	79.1	Fair to Good	Good	79.1	Retain	Landm		Y	Y	Y	
9044	Douglas fir	Pseudotsuga menziesii	27.0	27.9	Fair	Fair to Good	27.9	Retain	Sig		Y	Y	Y	
9045	Douglas fir	Pseudotsuga menziesii	23.0	25.3	Fair	Fair to Good	25.3	Retain	Sig		Y	Y	Y	
9046	Douglas fir	Pseudotsuga menziesii	27.0	16.7	Fair	Fair	16.7	Retain	Sig		Y	Y	Y	
9047	Douglas fir	Pseudotsuga menziesii	25.0	25.6	Poor to Fair	Fair	25.6	Retain	Sig		Y	Y	Y	
9048	Douglas fir	Pseudotsuga menziesii	27.0	32.4	Fair to Good	Fair to Good	32.4	Retain	Landm		Y	Y	Y	
9049	Douglas fir	Pseudotsuga menziesii	27.0	22.4	Fair to Good	Fair to Good	22.4	Retain	Sig		Y	Y	Y	
9050	Douglas fir	Pseudotsuga menziesii	24.0	32.5	Fair	Fair	32.5	Retain	Landm		Y	Y	Y	
9051	Douglas fir	Pseudotsuga menziesii	27.0	36.5	Fair	Fair to Good	36.5	Retain	Landm		Y	Y	Y	
9052	Bigleaf maple	Acer macrophyllum	30.0	37.5	Fair	Fair	37.5	Retain	Sig		Y	Y	Y	
9053	Bigleaf maple	Acer macrophyllum	30.0	24.7	Good	Fair	34.4	Impact	Landm		Y	Y	Y	
9054	Douglas fir	Pseudotsuga menziesii	30.0	17.0	Good	Fair	25.0	Impact	Sig		Y	Y	Y	
9055	Douglas fir	Pseudotsuga menziesii	30.0	17.0	Good	Fair	18.2	Impact	Sig		Y	Y	Y	
9056	Douglas fir	Pseudotsuga menziesii	17.0	17.6	Good	Good	18.2	Impact	Sig		Y	Y	Y	
9057	Douglas fir	Pseudotsuga menziesii	30.0	29.9	Good	Good	31.3	Impact	Landm		Y	Y	Y	
9058	Douglas fir	Pseudotsuga menziesii	10.0	13.2	Good	Fair	12.9	Impact	Sig		Y	Y	Y	
9059	Douglas fir	Pseudotsuga menziesii	15.0	14.8	Poor	Poor	15.4	Impact	Sig		Y	Y	Y	
9060	Bigleaf maple	Acer macrophyllum	13.0	18.4	Very Poor	Very Poor	21.0	Remove	Sig		Y	Y	Y	
9061	Douglas fir	Pseudotsuga menziesii	28.0	30.1	Good	Fair	31.6	Impact	Landm		Y	Y	Y	
9062	Douglas fir	Pseudotsuga menziesii	20.0	14.5	Good	Fair	14.9	Impact	Sig		Y	Y	Y	
9063	Western red cedar	Thuja plicata	16.0	23.3	Fair	Fair	24.3	Retain	Sig		Y	Y	Y	
9064	Douglas fir	Pseudotsuga menziesii	17.0	24.3	Fair	Fair	24.3	Retain	Sig		Y	Y	Y	
9065	Douglas fir	Pseudotsuga menziesii	27.0	39.6	Fair to Good	Fair	39.6	Retain	Landm		Y	Y	Y	
9066	Douglas fir	Pseudotsuga menziesii	25.0	24.3	Fair to Good	Fair	24.3	Retain	Sig		Y	Y	Y	
9067	Douglas fir	Pseudotsuga menziesii	22.0	20.3	Poor to Fair	Poor to Fair	20.3	Retain	Sig		Y	Y	Y	
9068	Douglas fir	Pseudotsuga menziesii	19.0	17.5	Fair	Fair	15.9	Retain	Sig		Y	Y	Y	
9069	Douglas fir	Pseudotsuga menziesii	13.0	15.9	Fair	Fair	15.9	Retain	Sig		Y	Y	Y	
9070	Douglas fir	Pseudotsuga menziesii	13.0	15.6	Fair	Fair	15.6	Retain	Sig		Y	Y	Y	
9071	Douglas fir	Pseudotsuga menziesii	14.0	25.3	Fair	Fair	25.3	Retain	Sig		Y	Y	Y	
9072	Douglas fir	Pseudotsuga menziesii	17.0	11.9	Poor to Fair	Fair	11.9	Retain	Sig		Y	Y	Y	
9073	Bigleaf maple	Acer macrophyllum	19.0	16.9	Fair	Poor to Fair	12.7	Retain	Sig		Y	Y	Y	
9074	Western red cedar	Thuja plicata	27.0	31.2	Fair to Good	Fair	31.2	Retain	Landm		Y	Y	Y	
9075	Western red cedar	Thuja plicata	25.0	27.3	Fair	Fair to Good	27.3	Retain	Sig		Y	Y	Y	
9076	Western red cedar	Thuja plicata	27.0	34.1	Fair to Good	Fair to Good	34.1	Retain	Landm		Y	Y	Y	
9081	Western red cedar	Thuja plicata	23.0	19.0	Fair	Fair	19.4	Impact	Sig		Y	Y	Y	
9083	Bitter cherry	Prunus emarginata	23.0	11.8	Fair	Fair	15.0	Impact	Sig		Y	Y	Y	
9084	Bigleaf maple	Acer macrophyllum	15.0	19.3	Good	Fair	12.0	Impact	Sig		Y	Y	Y	
9086	Bigleaf maple	Acer macrophyllum	20.0	6.7	Fair	Fair	7.7	Impact	Sig		Y	Y	Y	
9087	Bigleaf maple	Acer macrophyllum	17.0	18.6	Fair	Poor	19.1	Impact	Sig		Y	Y	Y	
9088	Bigleaf maple	Acer macrophyllum	30.0	16.3	Poor	Poor	13.4	Remove	Sig		Y	Y	Y	
9089	Bigleaf maple	Acer macrophyllum	20.0	26.3	Fair	Poor	30.2	Remove	Landm		Y	Y	Y	
9091	Bigleaf maple	Acer macrophyllum	25.0	16.5	Fair	Poor	16							

TREE TAG	SPECIES-COMMON NAME	SPECIES- BOTANIC. NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	BUF	SHOR ELINE	NGPA	AGHA	EWA	CLG4
9159	Douglas fir	Pseudotsuga menziesii	5.0	8.9	Poor to Fair	Fair	8.9	Retain	Sig		Y	Y	Y		
9160	Douglas fir	Pseudotsuga menziesii	16.0	10.4	Fair	Fair	10.4	Retain	Sig		Y	Y	Y		
9162	Douglas fir	Pseudotsuga menziesii	14.0	8.7	Poor to Fair	Poor to Fair	8.7	Retain	Sig		Y	Y	Y		
9163	Douglas fir	Pseudotsuga menziesii	20.0	35.0	Fair to Good	Fair to Good	35.0	Retain	Landm		Y	Y	Y		
9164	Douglas fir	Pseudotsuga menziesii	16.0	14.4	Fair	Fair to Good	14.4	Impact	Sig		Y	Y	Y		
9165	Douglas fir	Pseudotsuga menziesii	18.0	17.4	Fair to Good	Fair to Good	17.4	Impact	Sig		Y	Y	Y		
9166	Douglas fir	Pseudotsuga menziesii	19.0	16.2	Fair to Good	Fair to Good	16.2	Impact	Sig		Y	Y	Y		
9167	Douglas fir	Pseudotsuga menziesii	21.0	31.7	Fair to Good	Fair to Good	31.7	Retain	Landm		Y	Y	Y		
9168	Bigleaf maple	Acer macrophyllum	22.0	11.2	Fair	Poor to Fair	11.2	Retain	Sig		Y	Y	Y		
9169	Western red cedar	Thuja plicata	18.0	36.8	Fair to Good	Fair	36.8	Retain	Landm		Y	Y	Y		
9170	Douglas fir	Pseudotsuga menziesii	17.0	17.2	Fair	Fair	17.2	Retain	Sig		Y	Y	Y		
9171	Douglas fir	Pseudotsuga menziesii	19.0	29.8	Fair to Good	Fair to Good	29.8	Retain	Sig		Y	Y	Y		
9172	Douglas fir	Pseudotsuga menziesii	17.0	41.7	Fair	Fair	39.0	Retain	Landm		Y	Y	Y		
9173	Western red cedar	Thuja plicata	19.0	27.3	Fair	Fair	28.0	Retain	Sig		Y	Y	Y		
9174	Bigleaf maple	Acer macrophyllum	14.3	8.6	Poor	Fair	8.3	Retain	Sig		Y	Y	Y		
9175	Bigleaf maple	Acer macrophyllum	8.0	4.3	Fair	Poor	4.1	Retain	Non-Sig		Y	Y	Y		
9176	Western red cedar	Thuja plicata	10.0	8.5	Fair	Fair	7.9	Retain	Sig		Y	Y	Y		
9177	Western red cedar	Thuja plicata	8.0	8.3	Fair	Fair	8.7	Retain	Sig		Y	Y	Y		
9178	Western red cedar	Thuja plicata	15.0	13.3	Fair	Fair	12.6	Retain	Sig		Y	Y	Y		
9179	Western red cedar	Thuja plicata	11.0	7.5	Fair	Fair	7.8	Retain	Sig		Y	Y	Y		
9180	Douglas fir	Pseudotsuga menziesii	20.0	10.5	Fair	Fair	11.5	Retain	Sig		Y	Y	Y		
9181	Douglas fir	Pseudotsuga menziesii	14.0	6.8	Fair	Fair	7.0	Retain	Sig		Y	Y	Y		
9182	Western hemlock	Tsuga heterophylla	20.0	16.0	Dead	Dead	18.6	Impact	Sig		Y	Y	Y		
9183	Western red cedar	Thuja plicata	12.0	8.0	Poor	Fair	9.0	Retain	Sig		Y	Y	Y		
9184	Bigleaf maple	Acer macrophyllum	24.0	14.0	Fair to Good	Fair	14.0	Impact	Sig		Y	Y	Y		
9185	Western red cedar	Thuja plicata	19.0	24.0	Fair	Fair to Good	24.0	Retain	Sig		Y	Y	Y		
9186	Western hemlock	Tsuga heterophylla	23.0	23.0	Fair to Good	Fair	23.0	Impact	Sig		Y	Y	Y		
9187	Red alder	Alnus rubra	14.0	8.0	Good	Fair	8.5	Impact	Sig		Y	Y	Y		
9188	Red alder	Alnus rubra	8.0	4.0	Good	Fair	5.5	Impact	Non-Sig		Y	Y	Y		
9189	Red alder	Alnus rubra	11.0	5.0	Fair to Good	Fair to Good	5.0	Impact	Non-Sig		Y	Y	Y		
9190	Red alder	Alnus rubra	9.0	4.0	Fair	Fair	4.0	Impact	Non-Sig		Y	Y	Y		
9191	Red alder	Alnus rubra	12.0	4.0	Fair to Good	Fair to Good	4.0	Impact	Non-Sig		Y	Y	Y		
9192	Red alder	Alnus rubra	9.5	5.0	Fair	Fair	5.2	Impact	Non-Sig		Y	Y	Y		
9202	Western red cedar	Thuja plicata	25.3	31.5	Poor	Good	34.0	Impact	Landm		Y	Y	Y		
9203	Western red cedar	Thuja plicata	21.5	30.3	Fair	Good	34.0	Impact	Landm		Y	Y	Y		
9204	Bigleaf maple	Acer macrophyllum	33.0	41.5	Poor	Poor	42.3	Impact	Landm		Y	Y	Y		
9205	Western red cedar	Thuja plicata	14.0	35.5	Poor	Poor	34.5	Impact	Landm		Y	Y	Y		
9206	Douglas fir	Pseudotsuga menziesii	16.5	9.0	Good	Good	10.7	Impact	Sig		Y	Y	Y		
9207	Western red cedar	Thuja plicata	11.0	8.0	Good	Good	8.0	Impact	Sig		Y	Y	Y		
9208	Western white pine	Pinus monticola	10.4	9.3	Fair	Fair	9.3	Impact	Sig		Y	Y	Y		
9209	Western red cedar	Thuja plicata	11.0	7.8	Good	Good	10.0	Impact	Sig		Y	Y	Y		
9210	Liquid amber	Liquidambar styraciflua	9.0	6.3	Fair	Fair	6.5	Impact	Sig		Y	Y	Y		
9211	Western red cedar	Thuja plicata	8.5	10.2	Fair	Good	10.7	Impact	Sig		Y	Y	Y		
9212	Western red cedar	Thuja plicata	6.0	8.4	Fair	Good	9.0	Impact	Sig		Y	Y	Y		
9213	Leyland cypress	Cupressus x leylandii	15.3	10.5	Good	Good	13.6	Impact	Sig		Y	Y	Y		
9214	Western red cedar	Thuja plicata	10.5	9.7	Good	Good	11.0	Impact	Sig		Y	Y	Y		
9215	European mountain ash	Sorbus aucuparia	24.0	18.4	Fair	Poor	17.7	Impact	Sig		Y	Y	Y		
9216	Sitka spruce	Picea sitchensis	6.0	4.7	Good	Good	5.5	Impact	Non-Sig		Y	Y	Y		
9217	Western red cedar	Thuja plicata	7.0	5.3	Fair	Good	6.5	Impact	Sig		Y	Y	Y		
9218	Western red cedar	Thuja plicata	26.0	33.8	Fair	Fair	33.3	Impact	Landm		Y	Y	Y		
9219	Western red cedar	Thuja plicata	27.7	34.8	Poor	Fair	36.7	Impact	Landm		Y	Y	Y		
9220	Douglas fir	Pseudotsuga menziesii	7.2	5.6	Fair	Fair	6.4	Impact	Sig		Y	Y	Y		
9221	Bigleaf maple	Acer macrophyllum	16.2	27.5	Fair	Poor	29.6	Impact	Sig		Y	Y	Y		
9223.2	Mazzard cherry	Prunus avium	26.0	39.9	Poor	Poor	48.2	Impact	Landm		Y	Y	Y		
9224	Western red cedar	Thuja plicata	7.0	9.0	Fair	Very Poor	10.4	Impact	Sig		Y	Y	Y		
9225	Western red cedar	Thuja plicata	13.2	30.7	Fair	Fair	34.0	Impact	Landm		Y	Y	Y		
9226	Bigleaf maple	Acer macrophyllum	25.0	16.5	Poor	Poor	17.6	Impact	Sig		Y	Y	Y		
9228	Western red cedar	Thuja plicata	20.0	22.0	Fair	Good	30.9	Impact	Landm		Y	Y	Y		
9229	Bigleaf maple	Acer macrophyllum	11.0	26.7	Poor	Poor	33.5	Impact	Landm		Y	Y	Y		
9230	Bigleaf maple	Acer macrophyllum	13.6	26.0	Poor	Poor	33.6	Impact	Landm		Y	Y	Y		
9232	Western red cedar	Thuja plicata	15.0	20.3	Fair	Good	19.4	Impact	Sig		Y	Y	Y		

TREE TAG	SPECIES-COMMON NAME	SPECIES- BOTANIC. NAME	DRIP RAD. (ft)	CRZ VIGOR	STRUCT	DBH (in.)	DETER MIN.	TREE CAT	WETL AND	BUF	SHOR ELINE	NGPA	AGHA	EWA	CLG4
9232	Western red cedar	Thuja plicata	15.0	20.3	Fair	Good	19.4	Impact	Sig		Y	Y	Y		
9233	Western red cedar	Thuja plicata	9.0	17.4	Fair	Poor	16.7	Impact	Sig		Y	Y	Y		
9234	Western red cedar	Thuja plicata	10.0	18.7	Poor	Fair	18.4	Impact	Sig		Y	Y	Y		
9235	Bigleaf maple	Acer macrophyllum	30.0	25.3	Fair	Fair	26.5	Impact	Sig		Y	Y	Y		

TREE TYPE	REMOVAL		IMPACTED		RETAINED		TOTAL
	QTY. REMOVED	% REMOVED	QTY. IMPACTED	% IMPACTED	QTY. RETAINED	% RETAINED	
LANDMARK P-30" DBH)	2	5%	21	53%	17	43%	40
SIGNIFICANT (6" - 30")	40	22%	91	51%	47	26%	178
TOTALS	42	22%	112	52%	64	29%	218

- NOTE:
- TREE QUANTITIES INCLUDE TREES WITHIN CLEAR AND GRADE PERMIT #4 AND IN EARLY WORK PACKAGE A
 - TREE QUANTITIES OMIT TREES WITHIN CRITICAL AREAS (INCLUDING NGPAS).

SEE CORRIDOR LANDSCAPE PLANS FOR TREE REPLACEMENT QUANTITIES.

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: L. FRENCH
DRAWN BY: L. FRENCH
CHECKED BY: L. CRICKMORE
APPROVED BY: L. FRENCH



REVIEWED BY: J. SCHELLER

SUBMITTED BY: A. TISCARENO







LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: R200-L90-CXS103
CONTRACT No.: RTA/CN 0148-18
DATE: 4/3/2014

DESIGN PACKAGE: **EWA**
PERMIT INFORMATION: **CITY OF REDMOND**
ALTERATION OF GEOLOGIC HAZARD AREA

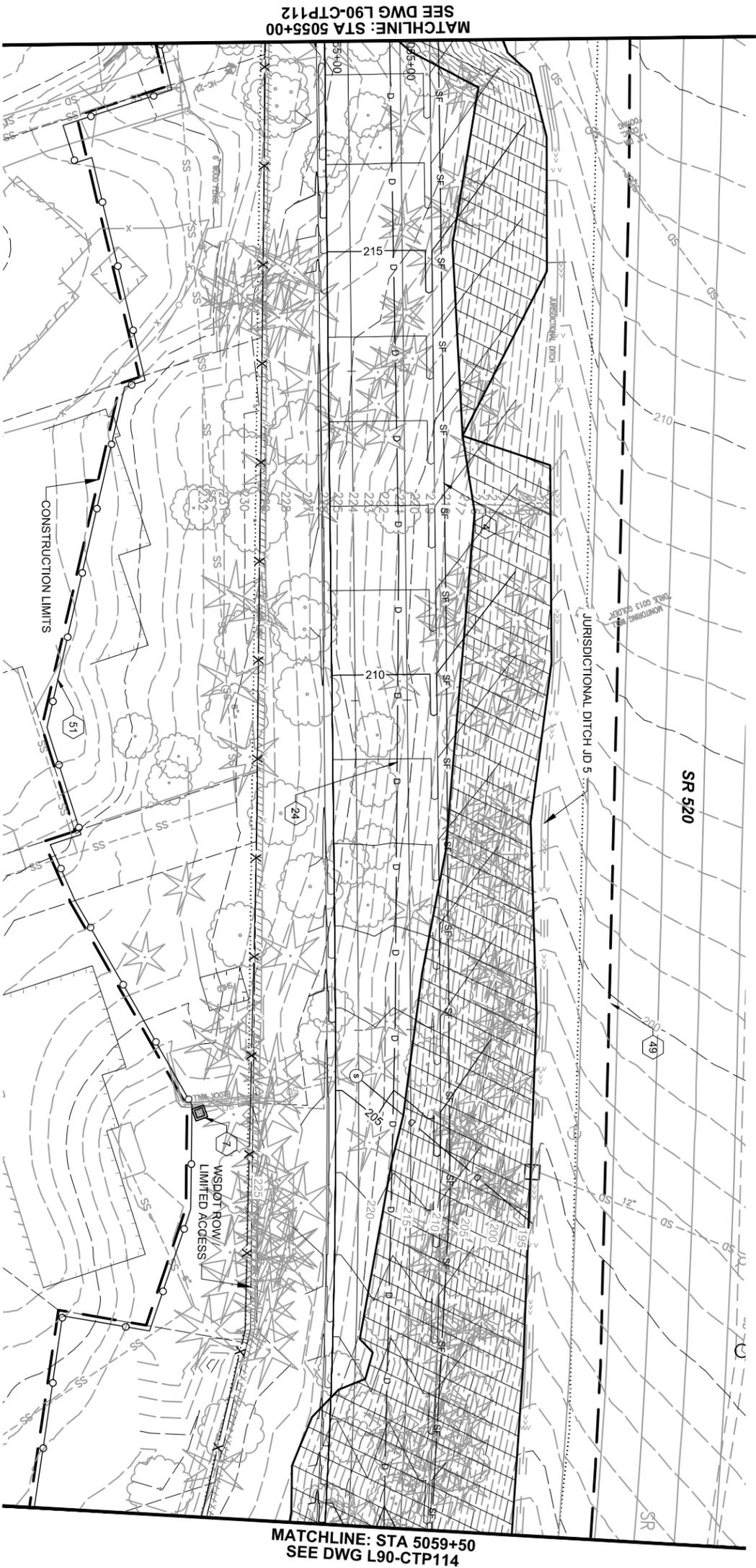
DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
DEMOLITION AND REMOVAL
EXISTING TREE INVENTORY TABLE
3 OF 32

DRAWING No.: **L90-CXS103**
FACILITY ID: L90
SHEET No.: 16
REV:

DATE: 4/3/2014

<p>TEMPORARY EROSION AND SEDIMENT CONTROL GENERAL NOTES:</p> <ol style="list-style-type: none"> 1. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER QUALITY STANDARDS. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL. 2. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS. SUBJECT TO APPROVAL BY THE ENGINEER AND THE AHJ INSPECTOR. 3. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. 4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THE CONTRACTOR'S ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED. 5. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITEE/CONTRACTOR AT LEAST ONCE EVERY CALENDAR WEEK DURING NON-RAINFALL PERIODS, AND WITHIN 24 HOURS AFTER ANY DISCHARGE EVENT. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED. PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES. 6. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT. 7. THE ENGINEER HAS THE AUTHORITY TO HALT CONSTRUCTION IF EROSION CONTROLS ARE NOT MAINTAINED PROPERLY OR IF A VIOLATION HAS NOT BEEN CORRECTED. THE CONTRACTOR SHALL BEAR ALL RISK AND ALL COSTS OF ANY WORK DELAYS CAUSED BY THESE ACTIONS. 8. THE CONTRACTOR SHALL MONITOR AND REPORT THE STORM WATER DISCHARGE IN ACCORDANCE WITH THE GENERAL PERMIT. 9. FOR TURBIDITY NONCOMPLIANCE ISSUES, THE CONTRACTOR SHALL CONTACT DEPARTMENT OF ECOLOGY WATER QUALITY MANAGER, FOR SPILL OF IMMEDIATE DANGER TO LIFE AND HEALTH, THE CONTRACTOR SHALL CONTACT THE AHJ AGENCIES SPILL RESPONSE PERSONNEL FIRST, THEN CONTACT THE DEPARTMENT OF ECOLOGY NW REGIONAL OFFICE (425-649-7000). 10. TEMPORARY SLOPES REQUIRE PROTECTION IN ACCORDANCE WITH AHJ OR DEPARTMENT OF ECOLOGY REQUIREMENTS. <p>CITY OF REDMOND TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES:</p> <ol style="list-style-type: none"> 1. ALL WORK AND MATERIALS TO BE PER CITY OF REDMOND STANDARDS. 2. KEEP OFF-SITE STREETS CLEAN AT ALL TIMES. FLUSHING STREETS SHALL NOT BE ALLOWED. ALL STREETS SHOULD BE SWEPT. 3. ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY CITY INSPECTOR. 4. WHEN WORK IS STOPPED/COMPLETED IN AN AREA, THE CITY INSPECTOR MAY REQUIRE POST-CONSTRUCTION EROSION CONTROL, INCLUDING SEEDING OR OTHER MEASURES. 5. LOCATIONS SHOWN OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE CORRECT LOCATIONS TO AVOID DAMAGE OR DISTURBANCE. 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION. 7. ALL GROUND COVERS IS TO REMAIN UNDISTURBED OUTSIDE OF CLEARING AREAS. 8. THE TEMPORARY EROSION/SEDIMENT CONTROLS SHALL BE INSTALLED, INSPECTED, AND OPERATING BEFORE ANY GRADING OR EXTENSIVE LAND CLEARING. THESE CONTROLS MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING ARE COMPLETE. 9. THE IMPERVIOUS SURFACES (ROOF, STREETS, DRIVEWAYS, ETC.) TO COMPLETED DRAINAGE SYSTEM AS SOON AS POSSIBLE. 10. A PRE-CONSTRUCTION MEETING WITH THE CONSTRUCTION DIVISION AND ALL PERMITS MUST BE COMPLETED BEFORE START OF CONSTRUCTION. 11. CLEARING LIMITS SHALL BE LOCATED BY A LICENSED CIVIL ENGINEER OR LAND SURVEYOR. 12. APPROVAL OF THIS TEMPORARY EROSION/SEDIMENTATION CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN. 13. THIS APPROVAL FOR TESC IS VALID FOR CONSTRUCTION BETWEEN MAY 1 AND SEPTEMBER 30. THIS APPROVAL FOR TESC IS NOT VALID FOR THE RAINY SEASON (OCTOBER 1 THROUGH APRIL 30). 14. REMOVE ALL TESC MEASURES ONCE ALL WORK IS COMPLETED AND SITE IS PERMANENTLY STABILIZED. <p>ADDITIONAL CITY OF REDMOND TEMPORARY EROSION/SEDIMENTATION CONTROL REQUIREMENTS:</p> <ol style="list-style-type: none"> 1. WORK WITHIN CRITICAL AQUIFER RECHARGE ZONE: <ol style="list-style-type: none"> A. PROJECT SITE THAT IS LOCATED WITHIN CITY OF REDMOND CRITICAL AQUIFER RECHARGE AREA (CARA) ZONE I OR II, CONTRACTOR SHALL PREVENT GROUNDWATER CONTAMINATION, ALL WORK SHALL COMPLY WITH CITY OF REDMOND RZC 21.64.050.D. B. CONTRACTOR TO PREPARE ADEQUATE SPILL CONTAINMENT KIT AT PROJECT SITE. C. CONTRACTOR TO MONITOR THE WATER QUALITY OF THE WATER TO BE DISCHARGED. 	<p>SEQUENCE OF WORK:</p> <ol style="list-style-type: none"> 1. INSTALL PERIMETER BMPs. 2. CLEAR AND GRUB SELECT AREAS. 3. INSTALL TEMPORARY OR PERMANENT DRAINAGE TO BYPASS OFFSITE FLOWS THROUGH THE WORK ZONE. 4. INSTALL TREATMENT BMPs. <p>POT HOLE AND TRENCHING RESTORATION NOTE:</p> <ol style="list-style-type: none"> 1. FOR POT HOLE AND TRENCHING RESTORATION SEE CITY OF REDMOND STANDARD DETAIL 201. <p>BOREHOLE FIELD LOCATION NOTE:</p> <ol style="list-style-type: none"> 1. GEOTECHNICAL BORINGS WILL BE FIELD ADJUSTED BASED UPON UTILITIES LOCATED IN THE FIELD. <p>ADDITIONAL BEST MANAGEMENT PRACTICES (BMPs) INSTALLATION, MAINTENANCE, AND DISCHARGES NOTES</p> <ol style="list-style-type: none"> 1. INLET PROTECTION SHALL BE INSTALLED IN ANY ROAD DRAINAGE SYSTEM INLETS, EXISTING OR NEWLY INSTALLED, WHICH ARE LIKELY TO RECEIVE RUNOFF FROM THE DISTURBED AREAS DURING CONSTRUCTION. INLET PROTECTION SHOWN ON THE TESC PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL ADD INLET PROTECTION AS NECESSARY TO ALL CATCH BASINS THAT RECEIVE STORM WATER RUNOFF WITHIN THE PROJECT AREA AND THAT MAY OR MAY NOT BE SHOWN ON THE TESC PLANS. 2. ALL EXPOSED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G. SEEDING, MULCHING, PLASTIC COVERING, CRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES: <ol style="list-style-type: none"> A. MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING. B. OCTOBER 1 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING. 3. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE). 4. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2". 5. STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET OR TRAIL SYSTEM, THE STREET OR PATH SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS OR TRAIL. 6. CLEARING LIMITS ARE DELINEATED WITH A HIGH VISIBILITY FENCE OR SILT FENCE. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY. 7. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. 8. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM. 9. DO NOT FLUSH CONCRETE BY-PRODUCTS INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE. 10. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STREAMS, STORM WATER SYSTEM INLETS, OR DRAINAGE DITCHES IN ACCORDANCE WITH THE GENERAL PERMIT. 11. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT SHALL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES (INCLUDING WETLANDS AND DITCHES). SPILLS SHOULD BE PREVENTED FROM HITTING THE GROUND PER CSWPPP. 12. SECONDARY CONTAINMENT SHALL BE REQUIRED AT ANY STORAGE OF FUEL OR HAZARD MATERIALS, AND AT DESIGNATED VEHICLE AND EQUIPMENT REFUELING AREA. 13. THE CONTRACTOR SHALL SET ASIDE A SEPARATE AREA FOR THE WASH-OUT OF CONSTRUCTION EQUIPMENT AND TOOLS. SEE CSWPPP PLANS FOR MORE DETAILS FOR CLEANING AND WASHING OF EQUIPMENT OR TOOLS THAT HAVE OIL, CONCRETE OR OTHER HAZAROUS MATERIAL. 14. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS IN AN APPROVED AND PERMITTED LANDFILL FACILITY. 15. PROVIDE TEMPORARY CURB TO PREVENT RUNOFF FLOWS FROM ENTERING EXCAVATED AREAS. 16. CONTRACTOR SHALL VERIFY THE FEASIBILITY AND SEEK APPROVAL FROM SEWER DISTRICT TO DISCHARGE ANY CONSTRUCTION RUNOFF TO THE SANITARY SEWER PRIOR TO DISCHARGE OF ANY CONSTRUCTION RUNOFF. 										
<p>REDMOND CITY AGHA REVIEW</p> <p>ALTERATION OF GEOLOGIC HAZARD</p> <p>ISSUE FOR PERMIT</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 2px;">DESIGNED BY: R. CHUNG</td> <td style="width: 50%; padding: 2px;">DRAWN BY: R. REISER</td> </tr> <tr> <td style="padding: 2px;">CHECKED BY: J. ETULIAN</td> <td style="padding: 2px;">APPROVED BY: W. HICKEY</td> </tr> </table>	DESIGNED BY: R. CHUNG	DRAWN BY: R. REISER	CHECKED BY: J. ETULIAN	APPROVED BY: W. HICKEY						
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FACILITY ID: L90	REV.:										
<p>DOWNTOWN REDMOND LINK EXTENSION</p> <p>REDMOND TECH CENTER TO DOWNTOWN REDMOND</p> <p>CIVIL - TESC</p> <p>TESC GENERAL NOTES</p>	<p>REDMOND LINK EXTENSION</p> <p>REDMOND TECH CENTER TO DOWNTOWN REDMOND</p> <p>CIVIL - TESC</p> <p>TESC GENERAL NOTES</p>										

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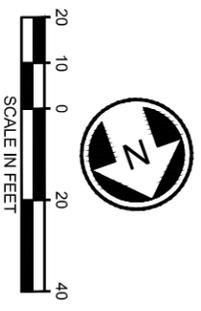
GENERAL NOTES:

1. FOR TEMPORARY EROSION AND SEDIMENT CONTROL NOTES, SEE L90-CTN001
2. FOR DRAINAGE, SEE L90-CDP101 THRU L90-CDP336
3. FOR DEMO, SEE L90-CXP101 THRU L90-CXP382

KEY NOTES:

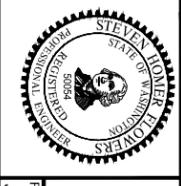
4. INSTALL SILT FENCE PER WSDOT STD PLAN L-30, 10-02 OR COR DETAIL 502
7. INSTALL INLET PROTECT PER WSDOT STD PLAN L-40,20-00
24. INSTALL TEMPORARY DRAIN PIPE
49. TEMPORARY TRAFFIC BARRIER, SEE MOT PLANS
50. FIELD FIT SUMP
51. CONSTRUCTION FENCE

KEY NOTES CONTINUED:



REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: S. DARST
 DRAWN BY: J. STEWART
 CHECKED BY: S. DARST
 APPROVED BY: S. FLOWERS



SCALE: 1" = 20'
 FILENAME: R200-L90-CTP113A
 CONTRACT NO.: RTA/CN 0148-18
 DATE: 04/27/2020

DESIGN PACKAGE: EWA
 PERMIT INFORMATION: CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
 REDMOND TECH CENTER TO DOWNTOWN REDMOND
 CIVIL - TESC
 TESC PLAN
 EB STA 5055+00 TO 5059+50

DRAWING NO.: L90-CTP113a
 FACILITY ID: E28
 SHEET NO.:
 REV:

Attachment 10

TESC NARRATIVE AND GENERAL NOTES

DEPARTMENT OF ECOLOGY CONSTRUCTION STORMWATER GENERAL PERMIT - WAR308750
SCHEDULE OF ACTIVITIES - JULY 2020 TO OCTOBER 2020
DISTURBED AREA - 21.1 ACRES

APPROACH TO EROSION CONTROL:

THE ELEMENTS DEPICTED ON THESE TESC DRAWINGS ARE THE MINIMUM REQUIRED TO COMPLY WITH THE CONDITIONS OF THE CONSTRUCTION GENERAL STORMWATER PERMIT. ADDITIONAL TESC ELEMENTS WILL BE INSTALLED WHENEVER THEY ARE NEEDED TO ENSURE COMPLIANCE WITH OUR PERMITS AND COMMITMENTS. TESC ELEMENTS WILL ALSO BE INSTALLED WHEN CONDITIONS CHANGE IN THE FIELD. OR EVIDENCE SUGGESTS OUR BEST MANAGEMENT PRACTICES NEEDED TO BE CHANGED OR MODIFIED TO MAINTAIN COMPLIANCE. A PROJECT CESC WILL PERFORM DAILY INSPECTIONS THROUGHOUT CONSTRUCTION AND OUR FIELD CREWS WILL BE MAINTAINING AND INSTALLING BMPs EACH DAY. A PROJECT SWPPP HAS BEEN WRITTEN IN ACCORDANCE WITH ECOLOGY REQUIREMENTS AND IS STORED IN THE SWPPP BINDER MAINTAINED BY THE PROJECT CESC AND ENVIRONMENTAL MANAGER. ENVIRONMENTAL MANAGER (CEMS): SCOTT DARST - (429) 681-9295 (24-HOUR CONTACT)
PROJECT CESC - JOBERTH MINNIEAR - (260) 224-2497

1. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER QUALITY STANDARDS, WHEREVER POSSIBLE. MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
 2. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS. LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE ENGINEER AND THE AHJ INSPECTOR.
 3. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
 4. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THE CONTRACTORS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
 5. THE ESC FACILITIES SHALL BE INSPECTED BY THE PERMITTEE/CONTRACTOR AT LEAST ONCE EVERY CALENDAR WEEK DURING NON-RAINFALL PERIODS, AND WITHIN 24 HOURS AFTER ANY DISCHARGE EVENT. IN ADDITION, ALL TEMPORARY SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED. PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED. WRITTEN RECORDS SHALL BE KEPT DOCUMENTING THE REVIEWS OF THE ESC FACILITIES.
 6. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
 7. THE ENGINEER HAS THE AUTHORITY TO HALT CONSTRUCTION IF EROSION CONTROLS ARE NOT MAINTAINED PROPERLY OR IF A VIOLATION HAS NOT BEEN CORRECTED. THE CONTRACTOR SHALL BEAR ALL RISK AND ALL COSTS OF ANY WORK DELAYS CAUSED BY THESE ACTIONS.
 8. THE CONTRACTOR SHALL MONITOR AND REPORT THE STORM WATER DISCHARGE IN ACCORDANCE WITH THE GENERAL PERMIT.
 9. FOR TURBIDITY NONCOMPLIANCE ISSUES, THE CONTRACTOR SHALL CONTACT DEPARTMENT OF ECOLOGY WATER QUALITY MANAGER. FOR SPILL OF IMMEDIATE DANGER TO LIFE AND HEALTH, THE CONTRACTOR SHALL CONTACT THE AHJ AGENCIES SPILL RESPONSE PERSONNEL. FIRST, THEN CONTACT THE DEPARTMENT OF ECOLOGY NW REGIONAL OFFICE (425-649-7000).
 10. GRATE INLET TYPE 2 PER WSDOT STANDARD PLANS B-35.40-00 AND B-30.30.03. TEMPORARY STORM DRAINS WILL BE FIELD FIT.
- CITY OF REDMOND TEMPORARY EROSION/SEDIMENTATION CONTROL NOTES:**
1. ALL WORK AND MATERIALS TO BE PER CITY OF REDMOND STANDARDS.
 2. KEEP OFF-SITE STREETS CLEAN AT ALL TIMES. FLUSHING STREETS SHALL NOT BE ALLOWED. ALL STREETS SHOULD BE SWEEP.
 3. ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY CITY INSPECTOR.
 4. WHEN WORK IS STOPPED/COMPLETED IN AN AREA, THE CITY INSPECTOR MAY REQUIRE POST-CONSTRUCTION EROSION CONTROL INCLUDING SEEDING OR OTHER MEASURES.
 5. LOCATIONS SHOWN OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE CORRECT LOCATIONS TO AVOID DAMAGE OR DISTURBANCE.
 6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN STREET USE AND OTHER RELATED PERMITS PRIOR TO ANY CONSTRUCTION.
 7. ALL GROUND COVER IS TO REMAIN UNDISTURBED OUTSIDE OF CLEARING AREAS.
 8. THE TEMPORARY EROSION/SEDIMENT CONTROLS SHALL BE INSTALLED, INSPECTED, AND OPERATING BEFORE ANY GRADING OR EXTENSIVE LAND CLEARING. THESE CONTROLS MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING ARE COMPLETE.
 9. THE IMPERVIOUS SURFACES (ROOF, STREETS, DRIVEWAYS, ETC.) TO COMPLETED DRAINAGE SYSTEM AS SOON AS POSSIBLE.
 10. A PRE-CONSTRUCTION MEETING WITH THE CONSTRUCTION DIVISION AND ALL PERMITS MUST BE COMPLETED BEFORE START OF CONSTRUCTION.
 11. CLEARING LIMITS SHALL BE LOCATED BY A LICENSED CIVIL ENGINEER OR LAND SURVEYOR.

12. APPROVAL OF THIS TEMPORARY EROSION/SEDIMENTATION CONTROL (TESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN.
13. THIS APPROVAL FOR TESC IS VALID FOR CONSTRUCTION BETWEEN MAY 1 AND SEPTEMBER 30. THIS APPROVAL FOR TESC IS NOT VALID FOR THE RAINY SEASON (OCTOBER 1 THROUGH APRIL 30).
14. REMOVE ALL TESC MEASURES ONCE ALL WORK IS COMPLETED AND SITE IS PERMANENTLY STABILIZED.

ADDITIONAL CITY OF REDMOND TEMPORARY EROSION/SEDIMENTATION CONTROL REQUIREMENTS:

1. WORK WITHIN CRITICAL AQUIFER RECHARGE ZONE:
 - A. PROJECT SITE THAT IS LOCATED WITHIN CITY OF REDMOND CRITICAL AQUIFER RECHARGE AREA (CARA) ZONE I OR II, CONTRACTOR SHALL PREVENT GROUNDWATER CONTAMINATION. ALL WORK SHALL COMPLY WITH CITY OF REDMOND RZC 21.64.050.D.
 - B. CONTRACTOR TO PREPARE ADEQUATE SPILL CONTAINMENT KIT AT PROJECT SITE.
 - C. CONTRACTOR TO MONITOR THE WATER QUALITY OF THE WATER TO BE DISCHARGED.
2. RAINY SEASON ADDITIONAL INSPECTION AND MONITORING REQUIREMENTS (OCTOBER 1 THROUGH APRIL 30):
 - A. MINIMUM INSPECTION FREQUENCY:
 1. AFTER EACH DAY OF SITE WORK (BUT NOT LESS THAN 3 TIMES PER WEEK EVEN IF NO SITE WORK HAS OCCURRED)
 - II. AFTER EACH STORM
 - III. TWICE PER DAY DURING STORMS.
 - B. USE PORTABLE ELECTRONIC TURBIDITY METER FOR MONITORING THE TURBIDITY OF THE SURFACE WATER DISCHARGE. A LOG SHALL BE PREPARED TO DOCUMENT THE MONITORING RESULTS AS REQUIRED BY THE CITY.
 - C. ADDITIONAL MONITORING OF THE DISCHARGES OF THE RECEIVING WATER IS REQUIRED IF DIRECTED BY THE CITY.

ADDITIONAL BEST MANAGEMENT PRACTICES (BMPs) INSTALLATION, MAINTENANCE, AND DISCHARGES NOTES

1. INLET PROTECTION SHALL BE INSTALLED IN ANY ROAD DRAINAGE SYSTEM INLETS, EXISTING OR NEWLY INSTALLED, WHICH ARE LIKELY TO RECEIVE RUNOFF FROM THE DISTURBED AREAS DURING CONSTRUCTION. INLET PROTECTION SHOWN ON THE TESC PLANS ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL ADD INLET PROTECTION AS NECESSARY TO ALL CATCH BASINS THAT RECEIVE STORM WATER RUNOFF WITHIN THE PROJECT AREA AND THAT MAY OR MAY NOT BE SHOWN ON THE TESC PLANS.
2. ALL EXPOSED SOILS MUST BE STABILIZED WITH AN APPROVED TESC METHOD (E.G., SEEDING, MULCHING, PLASTIC COVERING, GRUSHED ROCK) WITHIN THE FOLLOWING TIMELINES:
 - A. MAY 1 TO SEPTEMBER 30 - SOILS MUST BE STABILIZED WITHIN 7 DAYS OF GRADING.
 - B. OCTOBER 1 TO APRIL 30 - SOILS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING.

3. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
4. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF 2".
5. STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET OR TRAIL SYSTEM, THE STREET OR PATH SHALL BE IMMEDIATELY CLEANED WITH POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS OR TRAIL.
6. CLEARING LIMITS ARE DELINEATED WITH A HIGH VISIBILITY FENCE OR SILT FENCE. IF ANY PART(S) OF THE CLEARING LIMIT BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE REPAIRED IMMEDIATELY.
7. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF.
8. AT NO TIME SHALL MORE THAN 1' OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN, ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. DO NOT FLUSH CONCRETE BY-PRODUCTS INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT COULD MEAN RE-CLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RE-LAYING THE STORM LINE.
10. THE CONTRACTOR SHALL NOT DISCHARGE TURBID WATER GENERATED FROM CONSTRUCTION ACTIVITIES DIRECTLY TO ANY STREAMS, STORM WATER SYSTEM INLETS, OR DRAINAGE DITCHES IN ACCORDANCE WITH THE GENERAL PERMIT.

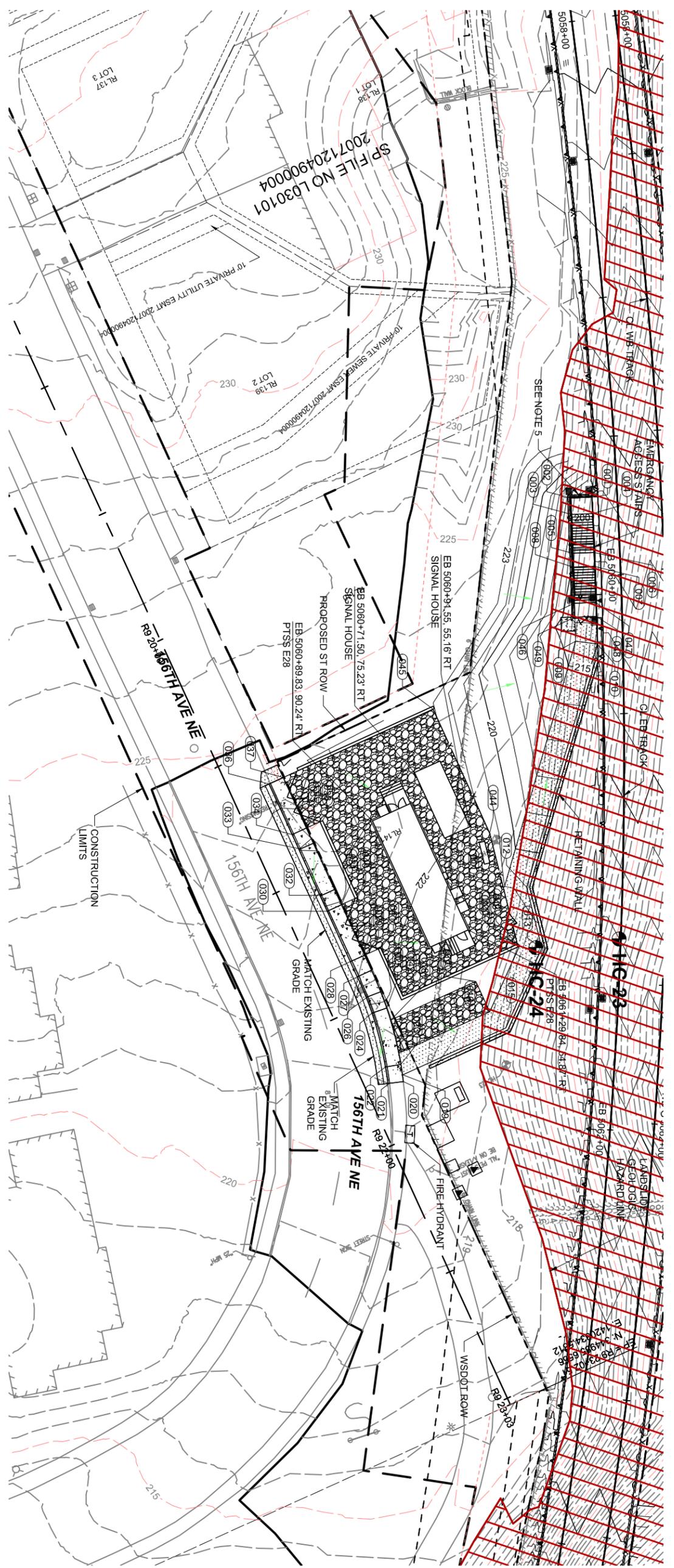
11. THE CONTRACTOR SHALL NOT DISCHARGE ANY CLEANING SOLVENTS OR CHEMICALS UTILIZED FOR TOOL OR EQUIPMENT CLEANING TO THE GROUND. REFUELING OF EQUIPMENT SHALL BE CONDUCTED AWAY FROM THE DRAINAGE FACILITIES AND DONE IN SUCH A MANNER AS TO PREVENT SPILLS FROM ENTERING THE GROUNDWATER OR WATER BODIES (INCLUDING WETLANDS AND DITCHES). SPILLS SHOULD BE PREVENTED FROM HITTING THE GROUND PER CSWPPP.
12. SECONDARY CONTAINMENT SHALL BE REQUIRED AT ANY STORAGE OF FUEL OR HAZARD MATERIALS, AND AT DESIGNATED VEHICLE AND EQUIPMENT REFUELING AREA.
13. THE CONTRACTOR SHALL SET ASIDE A SEPARATE AREA FOR THE WASH-OUT OF CONSTRUCTION EQUIPMENT AND TOOLS. SEE CSWPPP PLANS FOR MORE DETAILS FOR CLEANING AND WASHING OF EQUIPMENT OR TOOLS THAT HAVE OIL, CONCRETE OR OTHER HAZARDOUS MATERIAL.
14. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS IN AN APPROVED AND PERMITTED LANDFILL FACILITY.
15. PROVIDE TEMPORARY CURB TO PREVENT RUNOFF FLOWS FROM ENTERING EXCAVATED AREAS.
16. CONTRACTOR SHALL VERIFY THE FEASIBILITY AND SEEK APPROVAL FROM SEWER DISTRICT TO DISCHARGE ANY CONSTRUCTION RUNOFF TO THE SANITARY SEWER PRIOR TO DISCHARGE OF ANY CONSTRUCTION RUNOFF.

KING COUNTY TEMPORARY EROSION AND SEDIMENT CONTROL GENERAL NOTES:

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTIONS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
 2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPDATING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
 3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING. IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
 4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.
 5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, FLOW CONTROL BMP LOCATIONS (EXISTING AND PROPOSED), AND ADJACENT PROPERTIES IS MINIMIZED.
 6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERMETER PROTECTION ETC.), AS DIRECTED BY KING COUNTY.
 7. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.
 8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
 9. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
 10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH DURING THE DRY SEASON, BI-MONTHLY DURING THE WET SEASON, OR WITHIN TWENTY-FOUR (24) HOURS FOLLOWING A STORM EVENT.
 11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
 12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY. FLOW CONTROL BMP AREAS (EXISTING OR PROPOSED) SHALL NOT BE USED AS TEMPORARY FACILITIES AND SHALL BE PROTECTED FROM SEDIMENTATION AND INTRUSION.
 13. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE KING COUNTY SURFACE WATER DESIGN MANUAL.
 14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DPER INSPECTOR.
- SEQUENCE OF WORK:**
1. INSTALL PERMETER BMPs.
 2. CLEAR AND GRUB SELECT AREAS.
 3. INSTALL TEMPORARY OR PERMANENT DRAINAGE TO BYPASS OFFSITE FLOWS THROUGH THE WORK ZONE.
 4. INSTALL TREATMENT BMPs.

<p>REDMOND CITY AGHA REVIEW</p> <p>ALTERATION OF GEOLOGIC HAZARD</p> <p>ISSUE FOR PERMIT</p>	DESIGNED BY: S. DARST DRAWN BY: J. STEWART CHECKED BY: S. DARST APPROVED BY: S. FLOWERS					SCALE: IN/5 FILENAME: R200-L90-CTN001 CONTRACT No.: RTA/CN 0148-18 DATE: 04/27/2020	DESIGN PACKAGE: EWA PERMIT INFORMATION: CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA	<p>DOWNTOWN REDMOND LINK EXTENSION</p> <p>CONTRACT R200</p> <p>REDMOND TECH CENTER TO DOWNTOWN REDMOND</p> <p>CIVIL - TESC</p> <p>TESC GENERAL NOTES</p>	DRAWING NO.: L90-CTN001 FACILITY ID: L90 SHEET NO.: 129 REV.:
	REVIEWED BY: J. SCHELLER					SUBMITTED BY: A. TISCARENO	DATE: 04/27/2020		

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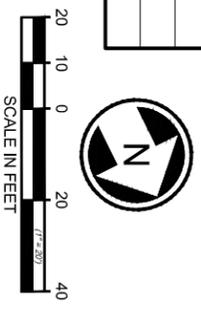


- GENERAL NOTES:**
- FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS SEE DRAWING L90-CGN301.
 - ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.
 - HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
 - ELEVATION ARE MEASURED AT FLOW LINE OF CURB/GUTTER UNLESS OTHERWISE NOTED.
 - FOR HORIZONTAL AND VERTICAL DATUM INFORMATION, SEE L90-RMP-101.

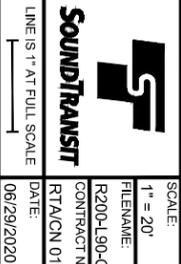
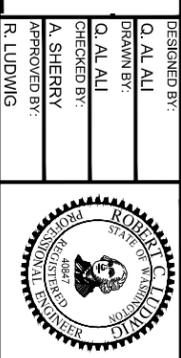
LEGEND:

AREA OF SLOPE (40% OR STEEPER)
 TOTAL = 119,289 SF, OR 2.74 ACRES

POINT TABLE				POINT TABLE				POINT TABLE				POINT TABLE							
PNT	STATION	OFFSET	ELEV	NOTES	PNT	STATION	OFFSET	ELEV	NOTES	PNT	STATION	OFFSET	ELEV	NOTES	PNT	STATION	OFFSET	ELEV	NOTES
001	EB 5059+71.51	9.11 RT	199.30	LANDING	014	EB 5061+35.20	36.32 RT	221.16	GRAVEL BEND	027	EB 5061+48.88	93.44 RT	222.59	BOC	041	EB 5061+37.80	86.00 RT	222.17	GRAVEL BEND
002	EB 5059+71.38	16.81 RT	199.30	LANDING	015	EB 5061+65.40	39.80 RT	221.21	WALK BEGIN	028	EB 5061+43.53	96.70 RT	222.35	DRIVEWAY BEGIN	042	EB 5061+55.66	77.27 RT	221.61	GRAVEL BEND
003	EB 5059+77.44	16.89 RT	199.30	STAIRS END	016	EB 5061+59.78	45.90 RT	221.29	WALK BEGIN	029	EB 5061+40.85	91.71 RT	222.42	DRIVEWAY BEGIN	043	EB 5061+34.44	37.05 RT	221.16	GRAVEL BEND
004	EB 5059+77.54	9.19 RT	199.30	STAIRS END	017	EB 5061+48.83	51.42 RT	221.35	GRAVEL	030	EB 5061+24.80	105.70 RT	222.79	DRIVEWAY END	044	EB 5060+93.82	48.02 RT	221.61	GRAVEL BEND
005	EB 5059+91.57	17.02 RT	206.80	STAIRS BEGIN	018	EB 5061+64.89	81.20 RT	221.66	GRAVEL	031	EB 5061+21.95	100.66 RT	222.87	DRIVEWAY END	045	EB 5060+47.77	68.53 RT	223.10	GRAVEL BEND
006	EB 5059+91.61	9.32 RT	206.80	STAIRS BEGIN	019	EB 5061+85.15	75.70 RT	221.25	GRAVEL	032	EB 5061+18.60	107.82 RT	223.47	BOC	046	EB 5060+09.74	17.02 RT	213.85	LANDING
007	EB 5059+96.63	9.34 RT	206.85	GRAVEL END	020	EB 5061+87.70	75.27 RT	221.92	SIDEWALK BEGIN	033	EB 5061+01.03	115.85 RT	224.02	BOC	047	EB 5060+09.70	9.32 RT	213.85	LANDING
008	EB 5059+96.62	17.04 RT	206.85	GRAVEL END	021	EB 5061+88.68	80.18 RT	221.84	CURB BEGIN	034	EB 5060+95.52	118.98 RT	223.69	DRIVEWAY BEGIN	048	EB 5060+14.73	9.29 RT	213.90	LANDING
009	EB 5060+23.59	16.90 RT	214.33	GARVEL BEND	022	EB 5061+82.65	82.03 RT	221.25	DRIVEWAY BEGIN	035	EB 5060+92.93	113.90 RT	223.77	DRIVEWAY BEGIN	049	EB 5060+14.79	16.99 RT	213.90	LANDING
010	EB 5060+24.75	9.19 RT	214.32	GARVEL BEND	023	EB 5061+81.31	76.62 RT	221.25	DRIVEWAY BEGIN	036	EB 5060+76.09	127.49 RT	224.29	DRIVEWAY END					
011	EB 5061+13.53	42.37 RT	221.04	GRAVEL BEND	024	EB 5061+82.64	88.06 RT	221.66	DRIVEWAY END	037	EB 5060+73.56	122.41 RT	224.37	DRIVEWAY END					
012	EB 5061+13.38	34.37 RT	220.94	GRAVEL BEND	025	EB 5061+80.45	82.86 RT	221.73	DRIVEWAY END	038	EB 5060+90.02	108.14 RT	223.51	GRAVEL BEND					
013	EB 5061+35.63	28.19 RT	221.05	GRAVEL BEND	026	EB 5061+56.54	89.89 RT	222.33	BOC	040	EB 5061+18.97	94.94 RT	222.61	GRAVEL BEND					



REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT



DESIGNED BY: Q. ALI ALI
 DRAWN BY: Q. ALI ALI
 CHECKED BY: A. SHERRY
 APPROVED BY: R. LUDWIG

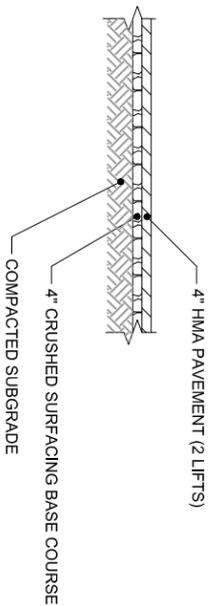
REVIEWED BY: J. SCHEITLER
 SUBMITTED BY: A. TISCARENO

SCALE: 1" = 20'
 FILENAME: R200-L90-CGP314
 CONTRACT NO.: RTA/CN 0148-18
 DATE: 06/29/2020

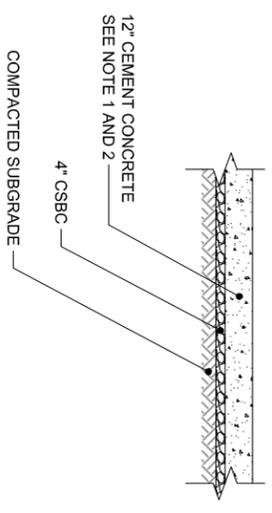
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 PERMIT INFORMATION: CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DRAWING NO.: L90-CGP314
 FACILITY ID: E28
 SHEET NO.:
 REV:

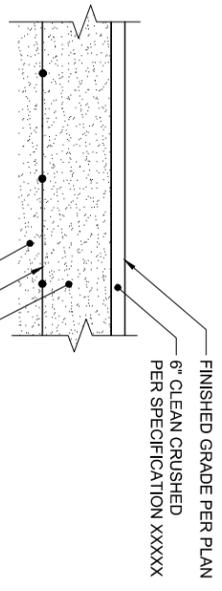
PROJECT: DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 REDMOND TECH STATION TO DOWNTOWN REDMOND
 CIVIL - SITE GRADING
 TPSS E-28



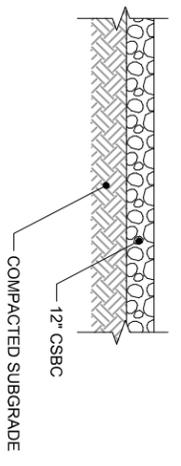
PARKING LOT HMA PAVEMENT SECTION
 SCALE: NTS
 L90-CMP360



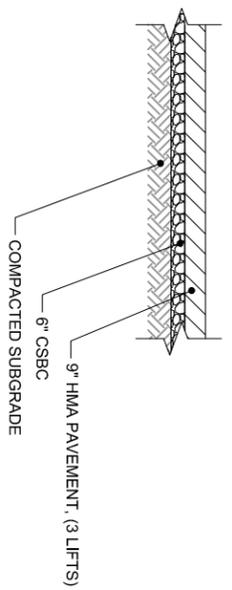
ROADWAY CEMENT CONCRETE SECTION
 SCALE: NTS
 L90-CPDXXX



ROADWAY HMA PAVEMENT SECTION
 SCALE: NTS
 L90-CRD325, L90-CRP328
 L90-CRP329



HEAVY DUTY GRAVEL SECTION
 SCALE: NTS
 L90-CRP335, L90-CRP336
 L90-CRP337



MAIN ACCESS ROAD

- GENERAL NOTES:**
1. SEE WSDOT STD PLAN A-40.00 AND A-40.15 FOR CEMENT CONCRETE PAVEMENT JOINTS.
 2. SEE L90-CPD100 SERIES FOR CEMENT CONCRETE PAVEMENT JOINTING PLANS.
 3. ALL HMA BINDER SHALL BE PG 58H-22

TPSS YEAD PAVEMENT SECTION
 SCALE: NTS
 L90-CRP314

REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT

DESIGNED BY: E. GOLLER
 DRAWN BY: E. GOLLER
 CHECKED BY: A. SHERRY
 APPROVED BY: R. LUDWIG



Jacobs
 REVIEWED BY: J. SCHEITLER

Stacy and Witbeck / Kurry
 SUBMITTED BY: A. TISCARENO

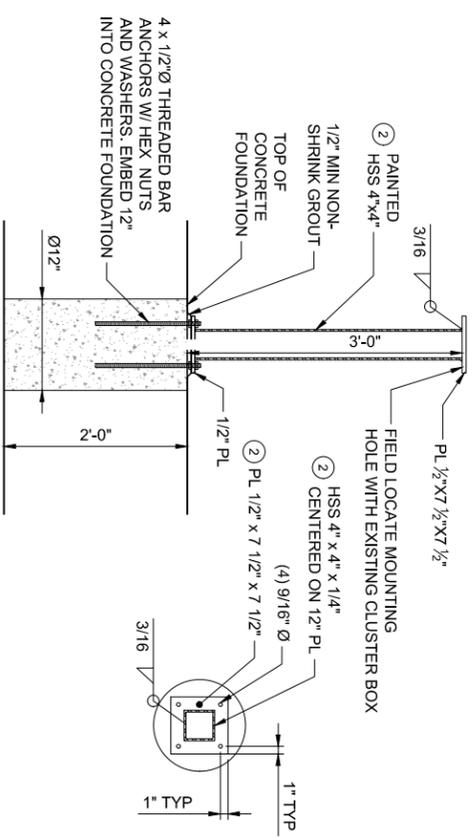
SOUNDTRANSIT
 LINE IS 1" AT FULL SCALE

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 AS NOTED
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 CONTRACT NO.: RTA/CN 0148-18
 DATE: 06/29/2020

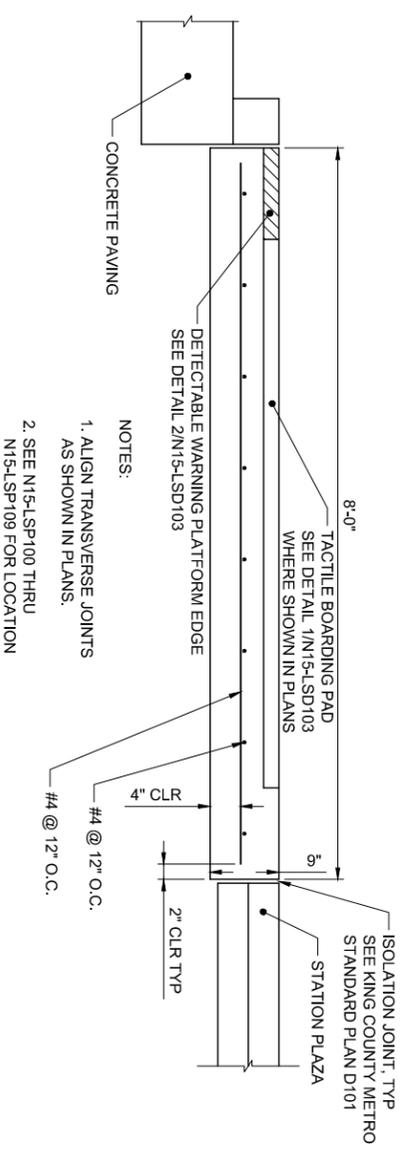
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 PERMIT INFORMATION: CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 REDMOND TECH STATION TO DOWNTOWN REDMOND
 CIVIL - SITE DETAILS
 SECTIONS

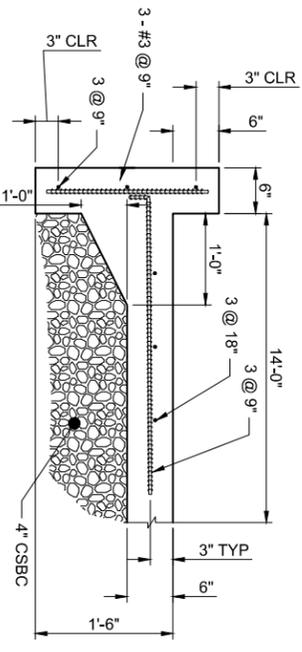
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 FACILITY ID: L90
 SHEET NO.: REV:



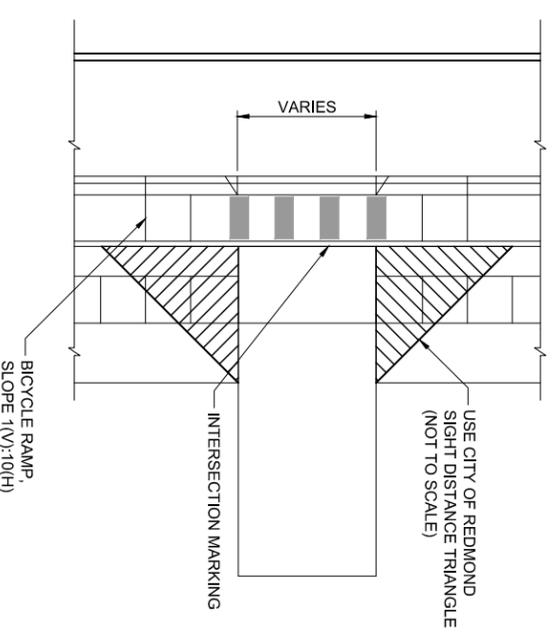
CLUSTER MAILBOX STAND
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 L90-CDPXXX
A



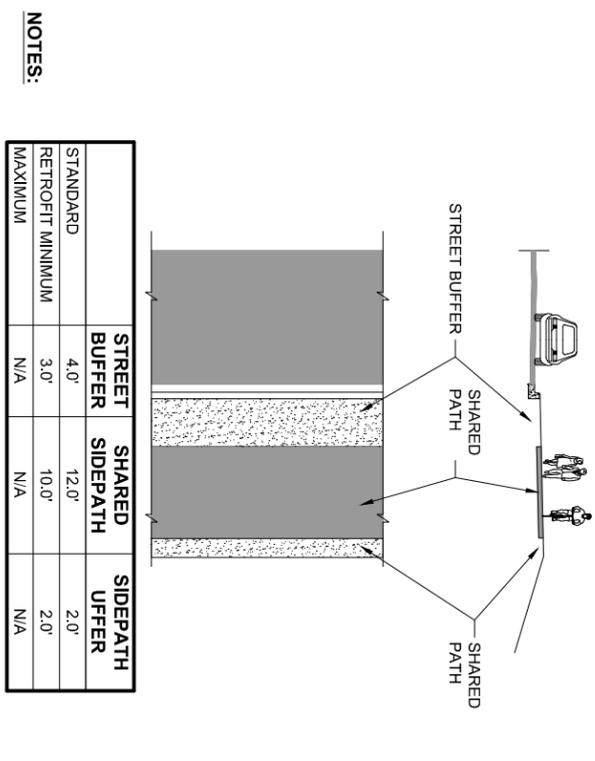
REINFORCED PLAZA SLAB
 SCALE: NTS
 L90-CDPXXX
B



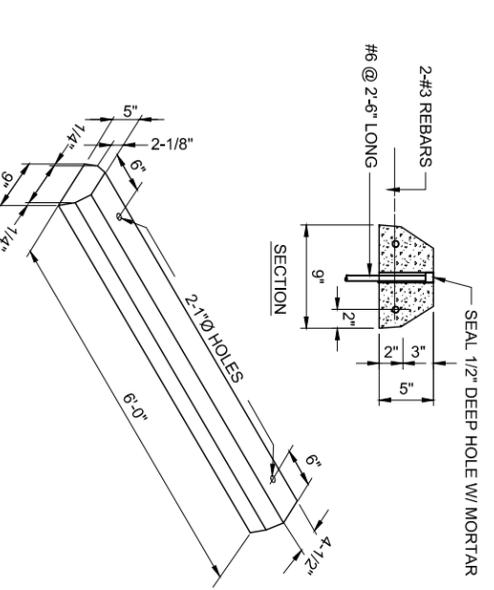
DOWNTURNED SIDEWALK SECTION
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 L90-CDPXXX
C



ENHANCED DRIVEWAY CROSSING
 SCALE: NTS
 L90-CDPXXX
1



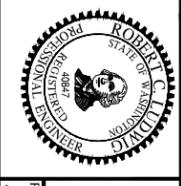
SHARED SIDEWALK
 SCALE: NTS
 L90-CDPXXX
2



PRECAST CONCRETE WHEEL STOP
 SCALE: NTS
 L90-CDPXXX
D

REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT

DESIGNED BY: E. GOLLER
 DRAWN BY: E. GOLLER
 CHECKED BY: A. SHERRY
 APPROVED BY: R. LUDWIG



Jacobs
 REVIEWED BY: J. SCHEITLER

SWK
 Submitted by: A. TISCARENO

SoundTransit
 LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
 FILENAME: R200-L90-CRD312
 CONTRACT No.: RTA/CN 0148-18
 DATE: 12/20/2019

DESIGN PACKAGE: **HCGS**
 PERMIT INFORMATION: CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 CIVIL - SITE DETAILS
 STANDARD 3 OF 3

DRAWING No.: L90-CDPXXX
 FACILITY ID: L94
 SHEET No.: 34
 REV:

CITY OF REDMOND STORM DRAINAGE GENERAL NOTES:
1.

CITY OF REDMOND STORM DRAINAGE GENERAL NOTES: (CONTINUED)
2.

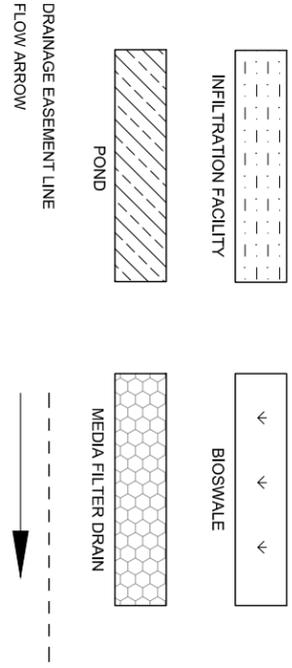
- DRAINAGE PLAN NOTES:**
1. AT LOCATIONS WHERE THERE ARE CONNECTIONS OR ADJUSTMENTS TO EXISTING STRUCTURES, THE CONTRACTOR SHALL INSPECT THE EXISTING STRUCTURE AND PIPE WITH THE ENGINEER AND VERIFY STRUCTURE AND PIPES ARE IN GOOD WORKING CONDITION. THE ENGINEER WILL DETERMINE IF THE EXISTING STRUCTURE AND/OR PIPES NEED REPLACEMENT. COORDINATION, DOCUMENTATION, AND APPROVAL OF THE OWNER OF THE STRUCTURE IS REQUIRED.
 2. CLEANOUTS ON FOOTING AND WALL UNDERDRAINS SHALL BE PROVIDED EVERY 100' AT BENDS, JUNCTIONS AND WHERE INDICATED ON THE CONTRACT PLANS. UNDERDRAINS SHALL BE MINIMUM 6" DIAMETER PVC (SDR35) PERFORATED PIPE PER WSDOT STANDARD SPECIFICATION 9-05.2(6), UNLESS NOTED OTHERWISE.
 3. STATION AND OFFSET CALL-OUTS FOR DRAINAGE STRUCTURE ARE TO THE CENTER OF STRUCTURE, UNLESS NOTED OTHERWISE.
 4. ORIENTATION OF SOLID LIDS FOR DRAINAGE STRUCTURES IS INDICATED ON THE PLANS.
 5. ALL CATCH BASINS SHALL BE INSTALLED WITH A VANED GRATE. UNLESS NOTED OTHERWISE.
 6. ALL DRAINAGE GRATES ALONG CURB LINES SHALL BE INSTALLED SO GRATE SETS FLUSH AND AGAINST CURB LINE.
 7. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE AS-BUILT INFORMATION FOR LOCATIONS OF ALL INSTALLED CLEANOUTS.

- DRAINAGE PROFILE NOTES:**
1. ALL STORM SEWER PIPES SHALL BE PVC UNLESS NOTED OTHERWISE.
 2. CONTRACTOR TO FIELD LOCATE AND VERIFY SIZE OF EXISTING STORM DRAINAGE PRIOR TO CONSTRUCTION ACTIVITIES AS REQUIRED.

- WSDOT NOTES:**
1. ALL WORK WITHIN THE WSDOT RIGHT-OF-WAY SHALL CONFORM TO THE 2018 WSDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES AND MUNICIPAL CONSTRUCTION. REFER TO WSDOT STANDARD PLANS FOR STANDARD DETAILS WITHIN WSDOT RIGHT-OF-WAY.
 2. TEMPORARY EROSION AND SEDIMENT CONTROL (TESC) WITHIN WSDOT RIGHT-OF-WAY SHALL CONFORM TO THE 2019 HIGHWAY RUNOFF MANUAL AND THE 2019 TEMPORARY EROSION AND SEDIMENT CONTROL MANUAL (TESCM). SEE SPECIFICATION 01 57 00 "TEMPORARY ENVIRONMENTAL PROTECTION AND CONTROL" FOR MORE DETAIL.
 3. ALL CATCH BASINS WITHIN WSDOT RIGHT-OF-WAY SHALL HAVE BOLT-DOWN VANED GRATE PER WSDOT STANDARD PLAN B-30-30-01, UNLESS NOTED OTHERWISE.
 4. SEE WSDOT STANDARD PLAN B-55-20-02 FOR PIPE ZONE BEDDING AND BACKFILL WITHIN WSDOT ROW.

LEGEND

NOTE: HATCH PATTERNS AND SYMBOLS MAY BE SHOWN AT DIFFERENT ORIENTATIONS AND/OR OVERLAP DIFFERENT HATCH PATTERNS ON DRAWINGS.



ABBREVIATIONS

- BSE BOTTOM SURFACE ELEVATION
- WISE WATER SURFACE ELEVATION

REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY:
R. CHUNG
DRAWN BY:
M. CASTELL
CHECKED BY:
W. HICKEY
APPROVED BY:
W. HICKEY



REVIEWED BY:
J. SCHELLER



SUBMITTED BY:
A. TISCARENO



LINE IS 1" AT FULL SCALE



SCALE:
NTS
FILENAME:
R200-L90-CDN301
CONTRACT No.:
RTA/CN 0148-18
DATE:
4/3/2018

DESIGN PACKAGE:
PERMIT INFORMATION:
CITY OF REDMOND
ALTERATION OF
GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
CIVIL - DRAINAGE
DRAINAGE GENERAL NOTES

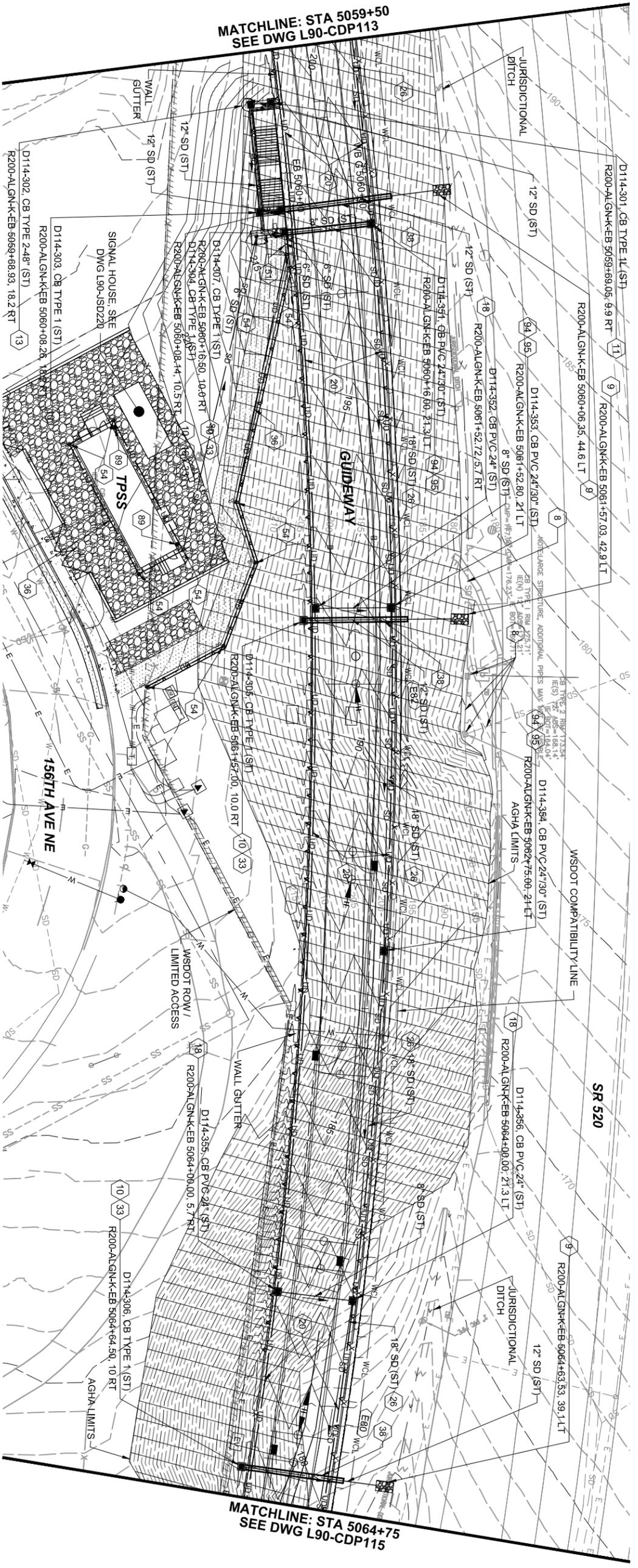
DRAWING NO.:
L90-CDN301
FACILITY ID:
L90
SHEET NO.:
35
REV.:

DRAINAGE KEY NOTES	
1	REMOVE EXISTING DRAINAGE STRUCTURE.
2	REMOVE EXISTING DRAINAGE PIPE.
3	PLUG AND ABANDON DRAINAGE STRUCTURE.
4	PLUG AND ABANDON DRAINAGE PIPE.
5	ADJUST RIM ELEVATION TO GRADE.
6	CONNECT TO EXISTING STORM PIPE.
7	CONNECT TO EXISTING DRAINAGE STRUCTURE.
8	PROTECT IN PLACE - EXISTING STORM STRUCTURE/PIPE.
9	INSTALL ROCK OUTFALL PROTECTION, PER DETAIL X ON DWG L90-CDDXXX.
10	INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-02.
11	INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5.40-02.
12	INSTALL CATCH BASIN TYPE 1P PER WSDOT STD PLAN B-5.60-02.
13	INSTALL CATCH BASIN TYPE 2 PER WSDOT STD PLAN B-10.20-02.
14	INSTALL COMBINATION (THRU-CURB) INLET PER WSDOT STD PLAN B-25.20-02.
15	INSTALL GRATE INLET TYPE 2 PER WSDOT STD PLAN B-35.40-00.
16	INSTALL RECTANGULAR SOLID COVER ON CATCH BASINS AND CONCRETE INLETS. PER WSDOT STD PLAN B-30.20-04.
17	INSTALL CIRCULAR FRAME AND COVER PER WSDOT STD PLAN B-30.70-04.
18	INSTALL CATCH BASIN-PVC PER WSDOT DETAIL B-10.70-00.
19	INSTALL MANHOLE TYPE 1 PER WSDOT STD PLAN B-15.20-01.
20	INSTALL UNDERDRAIN ALONG GUIDEWAY. SEE DETAILS PER DWG L90-CDDXXX. UNDERDRAIN 8" DIA, UNLESS NOTED OTHERWISE.
21	INSTALL BIORETENTION SIDE CURB CUT PER CITY OF REDMOND STD PLAN 665.
22	INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-02.
23	INSTALL MANHOLE TYPE 3 PER WSDOT STD PLAN B-15.60-02.
24	INSTALL UNDERDRAIN ALONG GUIDEWAY. SEE DETAILS PER DWG L90-CDDXXX. UNDERDRAIN 12" DIA, UNLESS NOTED OTHERWISE.
25	INSTALL CURB INLET PER KING COUNTY STD PLAN FIGURE 7-012.
26	SEE STACKED UNDERDRAIN PIPE AND STORM DRAIN PIPE UNDER GUIDEWAY DETAIL ON SHEET L90-CDDXXX.
27	INSTALL DEBRIS CAGE PER DETAIL ON DWG L90-CDDXXX.
28	PROTECT EXISTING STORM DRAIN IN PLACE.
29	INSTALL 18" BIORETENTION CELL OVERFLOW STRUCTURE WITH BEEHIVE GRATE. SEE DETAIL ON DWG L90-CDDXXX.
30	INSTALL DOWNSPOUT PER DETAIL ON DWG L90-CDDXXX AND CONNECT TO AERIAL/OVERHEAD PIPE ABOVE.
31	INSTALL AERIAL GUIDEWAY DRAIN (ST) ON STRUCTURE ABOVE. CONNECT TO DOWNSPOUT OR AERIAL PIPE. AS SHOWN ON PLANS. SEE DWG L90-CDDXXX FOR DETAILS.
32	OVERHEAD STORM DRAIN (OSD) SUSPENDED BELOW THE GUIDEWAY. SEE PIPE PROFILES CDVXXX THROUGH CDVXXX. SEE UNDERDECK PIPE SUPPORT DETAILS ON DWGS L90-XXX THRU L90-XXX.
33	INSTALL EXTERNAL WALL DROP. PER DETAIL 2 ON DWG L90-CDDXXX.
34	INSTALL INTERNAL GUIDEWAY VERTICAL DROP. SEE DETAIL DWG L90-CDDXXX.
35	INSTALL CLEANOUT AND COVER PER WSDOT STD PLAN B-85.40-00 FOR 8" SEWER CLEANOUT.
36	INSTALL 6" DIAMETER WALL UNDERDRAIN. SEE STRUCTURES WALL DWGS L90-XXX TO L90-XXXX FOR MORE INFORMATION.
37	INSTALL BEVEL PIPE END PER DETAIL L90-CDDXXX.
38	INSTALL STORM DRAIN PIPE ENCASED IN CASING PER DETAIL L90-CDDXXX USING A PVC CASING PER SPECIFICATION SECTION XX XX XX.
39	INSTALL 8" TRENCH DRAIN, HS-20 RATED. SEE DETAIL ON DWG L90-CDD105.
40	INSTALL FLOW CONTROL STRUCTURE. SEE FACILITY DETAIL SHEETS.
41	CONTRACTOR TO FIELD LOCATE AND VERIFY LOCATIONS AND CONNECTIONS OF THE EXISTING STORM LINE PRIOR TO ORDERING AND PROCUREMENT OF MATERIALS FOR CONSTRUCTION ACTIVITIES. COORDINATE WITH ENGINEER ON ANY REQUIRED MODIFICATIONS.
42	REMOVE EXISTING QUARRY SPALL.
43	CONNECT UNDERDRAIN PIPES AND INSTALL CLEANOUTS AT CONNECTION POINTS.
44	INSTALL PIPE ANCHORS ALONG STORM DRAIN PIPE. REFER TO THE CONCRETE COLLAR OPTION SHOWN ON WSDOT STD PLAN B-60.20-01.
45	[NOT USED]
46	INSTALL FOOTING UNDERDRAIN. SEE DETAILS ON DWG L90-CDDXXX.
47	GARAGE ROOF DOWNSPOUT LOCATION. CONNECT DOWNSPOUTS TO STORM DRAIN, AND INSTALL CLEANOUT.
48	INSTALL TRASH RACK PER DETAIL SHOWN ON DWG L90-CDDXXX.

DRAINAGE KEY NOTES (CONTINUED)	
49	INSTALL 6" PERF PIPE UNDERDRAIN AND CONNECT TO EXISTING ROCK WALL UNDERDRAIN SYSTEM.
50	INSTALL 8" STORM DRAIN. CONNECT TO STRUCTURE WITH 2% MIN SLOPE.
51	CONNECT UNDERDRAIN TO DRAINAGE STRUCTURE WITH 2% MINIMUM SLOPE.
52	INSTALL AREA INLET PER DETAIL ON DWG L90-CDDXXX.
53	DISCHARGE UNDERDRAIN OR WALL GUTTER TO ROCK PAD OUTFALL.
54	INSTALL CLEANOUT TO GRADE PER DETAIL ON DWG L90-CDDXXX.
55	INSTALL 6" STORM DRAIN WITH 2% MINIMUM SLOPE.
56	[NOT USED]
57	INSTALL 6" UNDERDRAIN. SEE DETAIL ON DWG L90-CDDXXX.
58	[NOT USED]
59	GRADE TO DRAIN AROUND COLUMNS.
60	MAINTAIN EXISTING DRAINAGE DURING CONSTRUCTION. TEMPORARY DRAINAGE RE-ROUTE REQUIRED.
61	[NOT USED]
62	ENCASE STORM PIPE SEGMENT THROUGH WALL. SEE DETAIL ON DWG L90-CDDXXX.
63	ADJUST PLINTH OPENINGS TO ALLOW RUNOFF TO FLOW TO INLETS ALONG SAG.
64	[NOT USED]
65	INSTALL BIORETENTION PLANTER. SEE DETAIL ON DWG L90-CDD104.
66	INSTALL POND LINER: PVC GEOMEMBRANE TEXTURED LINER ON THE POND BOTTOM AND SIDE SLOPES.
67	JACK AND BORE PIPE UNDERNEATH EXISTING WSDOT RAMP. INSTALL PIPE CASING FOR CARRIER PIPE.
68	INSTALL MEDIA FILTER FACILITY. (STORM FILTER) SEE DWG L90-CDDXXX.
69	DOWNSPOUT TO DISCHARGE INTO RAISED PLANTER. SEE DWG XXX DETAIL X. RAISED PLANTER.
70	INSTALL ENHANCED MEDIA FACILITY. SEE DETAIL ON DWG L90-CDDXXX.
71	INSTALL MEDIA FILTER DRAIN. SEE DETAIL ON DWG L90-CDDXXX.
72	REMOVE EXISTING MEDIA FILTER DRAIN.
73	CONNECT TO EXISTING UNDERDRAIN.
74	CONTRACTOR TO LOCATE PRIOR TO CONSTRUCTION ACTIVITIES, AND COORDINATE WITH ENGINEER ON ANY REQUIRED MODIFICATIONS.
75	SEE MECHANICAL DWGS XXX THRU XXX FOR CONNECTIONS TO STATION DOWNSPOUTS.
76	INSTALL INFILTRATION GALLERY. SEE DETAIL ON DWG L90-CDDXXX.
77	INSTALL INFILTRATION TRENCH ALONG SIDE SLOPE. SEE DETAIL ON DWG L90-CDDXXX.
78	INSTALL INFILTRATION CHAMBER. SEE DETAIL ON DWG L90-CDDXXX.
79	INSTALL INFILTRATION TRENCH ALONG KING COUNTY TRAIL. SEE DETAIL ON DWG L90-CDD006.
80	[NOT USED]
81	PARKING GARAGE SLAB AND FOOTING UNDERDRAINS. SEE DETAILS ON L90-CDDXXX.
82	[NOT USED]
83	DEEP EXCAVATION REQUIRED ADJACENT TO ROADWAY. COLUMN OR STRUCTURE STRUCTURAL SHORING WILL BE REQUIRED.
84	PLUG EXISTING PIPE AND HOLE INTO VAULT WITH GROUT.
85	[NOT USED]
86	[NOT USED]
87	PRIOR TO REMOVAL, CONTRACTOR TO CONFIRM OTHER PIPE END AND CONNECTION NOT REQUIRED.
88	[NOT USED]
89	[NOT USED]
90	STRUCTURE OR PIPE LABELED ON ANOTHER SHEET.
91	REFER TO PACKAGE EWA FOR PROPOSED WORK.
92	REFER TO PACKAGE EWB FOR PROPOSED WORK.

<p>REDMOND CITY AGHA REVIEW</p> <p>ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT</p>	<p>DESIGNED BY: R. CHUNG</p> <p>DRAWN BY: M. CASTELL</p> <p>CHECKED BY: W. HICKEY</p> <p>APPROVED BY: W. HICKEY</p>		<p>REVIEWED BY: J. SCHEITLER</p>	<p>SUBMITTED BY: A. TISCARENO</p>		<p>SCALE: NTS</p> <p>FILENAME: R200-L90-CDN302</p> <p>CONTRACT No.: RTA/CN 0148-18</p> <p>DATE: 43983</p>	<p>DESIGN PACKAGE: PERMIT INFORMATION:</p> <p>CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA</p>	<p>SoundTransit</p>	<p>DRAWING No.: L90-CDN302</p> <p>FACILITY ID: L90</p> <p>SHEET No.: REV:</p>																																								
<p>REDMOND CITY AGHA REVIEW</p> <p>ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT</p>	<p>Jacobs</p>									<p>REVIEWED BY: A. TISCARENO</p>		<p>DESIGN PACKAGE: PERMIT INFORMATION:</p> <p>CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA</p>	<p>SoundTransit</p>	<p>DRAWING No.: L90-CDN302</p> <p>FACILITY ID: L90</p> <p>SHEET No.: REV:</p>																																			
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GENERAL NOTES:

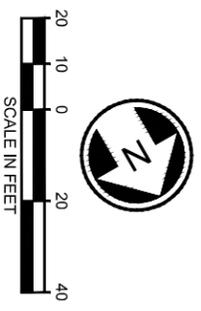
1. FOR STORM DRAINAGE GENERAL NOTES, SEE DWG L90-CDN301.
2. FOR PROJECT KEY PLAN FOR SHEET LAYOUT, SEE GEN-GZK120 THRU GEN-GZK121.
3. FOR ABBREVIATION, SEE DRAWINGS GEN-GZNI01 THRU GEN-GZNI05.
4. FOR GENERAL SYMBOLS, SEE DRAWINGS GEN-GZNI06 AND GEN-GZNI07.
5. FOR STORM DRAINAGE ABBREVIATIONS, SYMBOLS AND HATCHES, SEE DWG L90-CDN301.
6. FOR FULL KEY NOTE LIST AND DEFINITIONS, SEE DWG L90-CDN302.

KEY NOTES:

- 9) INSTALL ROCK OUTFALL PROTECTION, PER DETAIL ON DWG L90-CDD309.
- 10) INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5-20-02.
- 11) INSTALL CATCH BASIN TYPE 1L PER WSDOT STD PLAN B-5-40-02.
- 16) INSTALL RECTANGULAR SOLID COVER ON CATCH BASINS AND CONCRETE INLETS, PER WSDOT STD PLAN B-30-20-04.
- 18) INSTALL CATCH BASIN-PVC PER WSDOT DETAIL B-10-70-00.
- 20) INSTALL 8" UNDERDRAIN ALONG GUIDEWAY. SEE DETAILS PER DWG L90-CDD305.
- 26) SEE STACKED UNDERDRAIN PIPE AND STORM DRAIN PIPE UNDER GUIDEWAY DETAIL ON SHEET L90-CDD305.
- 33) INSTALL EXTERNAL WALL DROP, PER DETAIL 1 ON DWG L90-CDD316.

KEY NOTES CONTINUED:

- 36) INSTALL 6" DIAMETER WALL UNDERDRAIN, SEE STRUCTURES WALL DWGS FOR MORE INFORMATION.
- 38) INSTALL STORM DRAIN PIPE ENCASED IN CASING PER DETAIL L90-CDD317 USING A PVC CASING PER SPECIFICATION SECTION 33 40 00.
- 51) CONNECT UNDERDRAIN TO DRAINAGE STRUCTURE WITH 2% MINIMUM SLOPE.
- 54) INSTALL CLEANOUT TO GRADE PER DETAIL ON DWG L90-CDD103.
- 89) TPSS DOWNSPOUT, SEE DWG L90-JTD103 FOR MORE INFORMATION. DOWNSPOUT DISCHARGES ONTO TPSS GRAVEL PAD.
- 94) INSTALL CATCH BASIN-PVC 24" WITH 30" BASE PER DETAIL ON L90-CDD305.
- 95) SEE L90-SWD401 FOR CATCH BASIN WALL BLOCKOUT DETAIL.



REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY:	M. ROJAS
DRAWN BY:	M. ROJAS
CHECKED BY:	R. CHUNG
APPROVED BY:	W. HICKEY

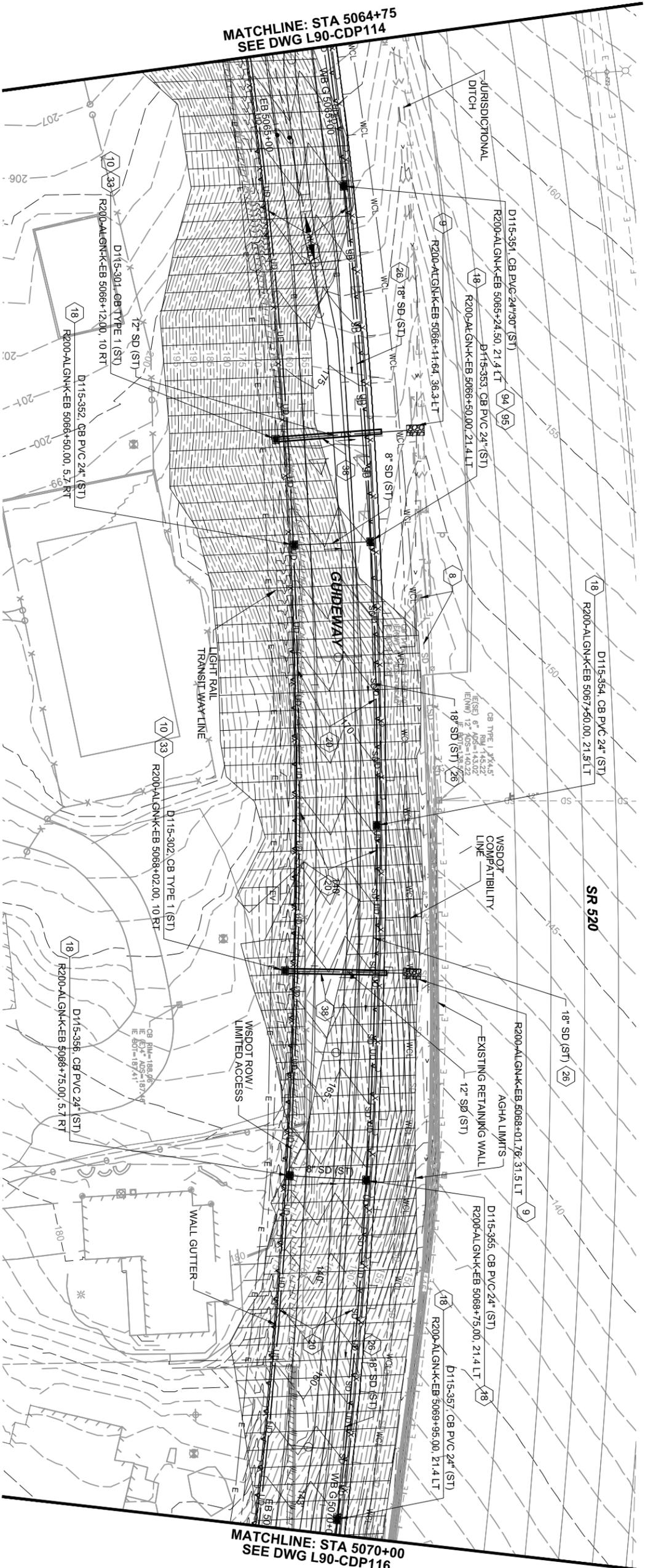


SCALE:	1" = 20'
FILENAME:	R200-L90-CDP114
CONTRACT NO.:	RTA/CN 0148-18
DATE:	06/29/2020

DESIGN PACKAGE:	HCGS
PERMIT INFORMATION:	CITY OF REDMOND
	ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
REDMOND TECH STATION TO DOWNTOWN REDMOND
CIVIL - DRAINAGE
DRAINAGE PLAN
EB STA 5059+50 TO 5064+75

DRAWING NO.:	L90-CDP114
FACILITY ID.:	E28
SHEET NO.:	REV:



GENERAL NOTES:

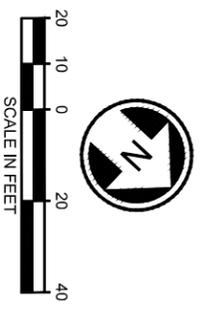
1. FOR STORM DRAINAGE GENERAL NOTES, SEE DWG L90-CDN301.
2. FOR PROJECT KEY PLAN FOR SHEET LAYOUT, SEE GEN-GZK120 THRU GEN-GZK121.
3. FOR ABBREVIATION, SEE DRAWINGS GEN-GZNI01 THRU GEN-GZNI05.
4. FOR GENERAL SYMBOLS, SEE DRAWINGS GEN-GZNI06 AND GEN-GZNI07.
5. FOR STORM DRAINAGE ABBREVIATIONS, SYMBOLS AND HATCHES, SEE DWG L90-CDN301.
6. FOR FULL KEY NOTE LIST AND DEFINITIONS, SEE DWG L90-CDN302.

KEY NOTES:

8. PROTECT IN PLACE - EXISTING STORM STRUCTURE/PIPE.
9. INSTALL ROCK OUTFALL PROTECTION, PER DETAIL ON DWG L90-CDN309.
10. INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-02.
18. INSTALL CATCH BASIN-PVC PER WSDOT DETAIL B-10.70-00.
20. INSTALL 8" UNDERDRAIN ALONG GUIDEWAY, SEE DETAILS PER DWG L90-CDN305.
26. SEE STACKED UNDERDRAIN PIPE AND STORM DRAIN PIPE UNDER GUIDEWAY DETAIL ON SHEET L90-CDN305.
33. INSTALL EXTERNAL WALL DROP, PER DETAIL 1 ON DWG L90-CDN316.
38. INSTALL STORM DRAIN PIPE ENCASED IN CASING PER DETAIL L90-CDN317 USING A PVC CASING PER SPECIFICATION SECTION 33 40 00.

KEY NOTES CONTINUED:

94. INSTALL CATCH BASIN-PVC 24" WITH 30" BASE PER DETAIL ON L90-CDN305.
95. SEE L90-SWD401 FOR CATCH BASIN WALL BLOCKOUT DETAIL.



REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY:	M. ROJAS
DRAWN BY:	M. ROJAS
CHECKED BY:	R. CHUNG
APPROVED BY:	W. HICKEY



REVIEWED BY:	J. SCHELLER
SUBMITTED BY:	A. TISCARENO

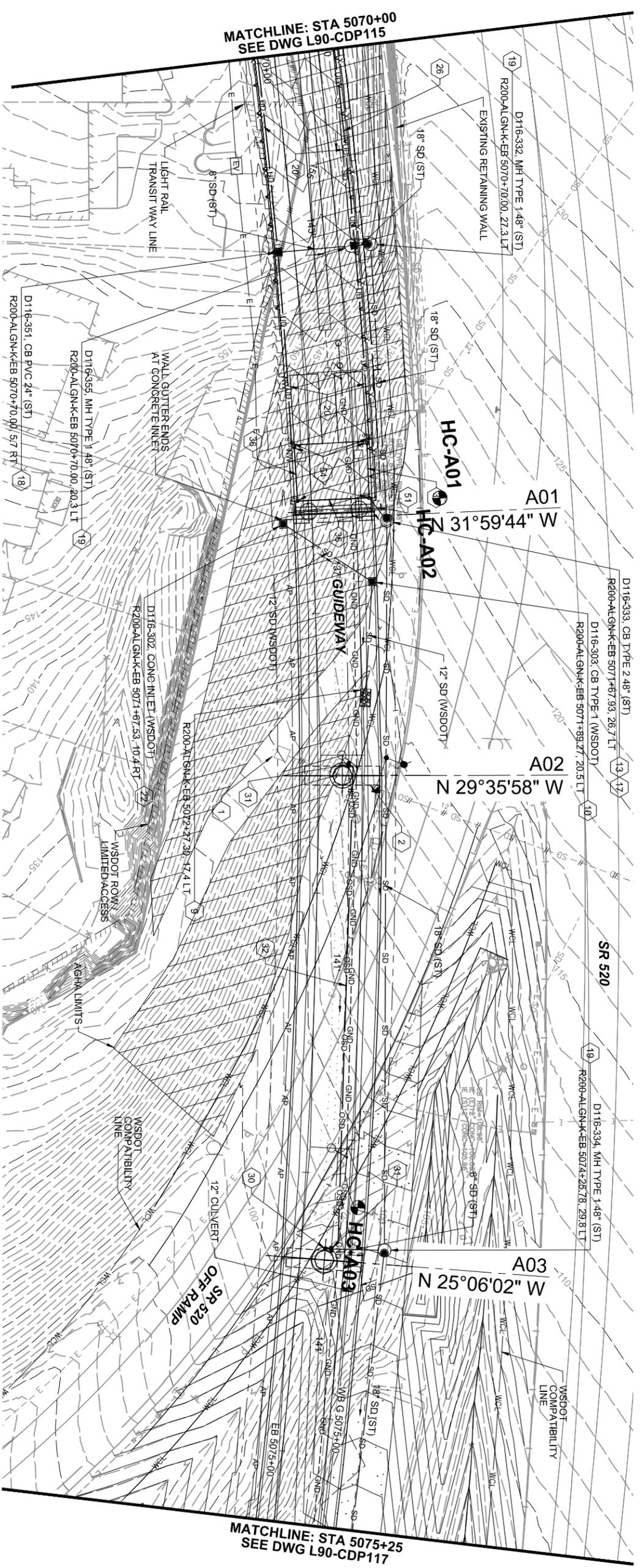


SCALE:	1" = 20'
FILENAME:	R200-L90-CDP115
CONTRACT NO.:	RTACN 0148-18
DATE:	06/29/2020

DESIGN PACKAGE:	HCGS
PERMIT INFORMATION:	CITY OF REDMOND
	ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
 REDMOND TECH STATION TO DOWNTOWN REDMOND
 CIVIL - DRAINAGE
 DRAINAGE PLAN
 EB STA 5064+75 TO 5070+00

DRAWING NO.:	L90-CDP115
FACILITY ID.:	E28
SHEET NO.:	REV:



GENERAL NOTES:

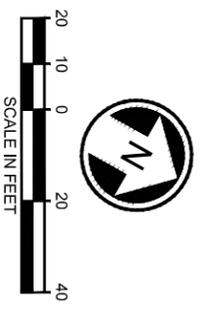
1. FOR STORM DRAINAGE GENERAL NOTES, SEE DWG L90-CDN301.
2. FOR PROJECT KEY PLAN FOR SHEET LAYOUT, SEE GEN-GZK120 THRU GEN-GZK121.
3. FOR ABBREVIATION, SEE DRAWINGS GEN-GZNI01 THRU GEN-GZNI05.
4. FOR GENERAL SYMBOLS, SEE DRAWINGS GEN-GZNI06 AND GEN-GZNI07.
5. FOR STORM DRAINAGE ABBREVIATIONS, SYMBOLS AND HATCHES, SEE DWG L90-CDN301.
6. FOR FULL KEY NOTE LIST AND DEFINITIONS, SEE DWG L90-CDN302.

KEY NOTES:

- 1 REMOVE EXISTING DRAINAGE STRUCTURE.
- 2 REMOVE EXISTING DRAINAGE PIPE.
- 9 INSTALL ROCK OUTFALL PROTECTION, PER DETAIL ON DWG L90-CDD309.
- 10 INSTALL CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5-20-02.
- 13 INSTALL CATCH BASIN TYPE 2 PER WSDOT STD PLAN B-10-20-02.
- 17 INSTALL CIRCULAR FRAME AND COVER PER WSDOT STD PLAN B-30-70-04.
- 18 INSTALL CATCH BASIN-PVC PER WSDOT DETAIL B-10-70-00.
- 19 INSTALL MANHOLE TYPE 1 PER WSDOT STD PLAN B-15-20-01.
- 20 INSTALL 8" UNDERDRAIN ALONG GUIDEWAY, SEE DETAILS PER DWG L90-CDD305.

KEY NOTES CONTINUED:

- 22 INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25-06-02.
- 26 SEE STACKED UNDERDRAIN PIPE AND STORM DRAIN PIPE UNDER GUIDEWAY DETAIL ON SHEET L90-CDD305.
- 30 INSTALL DOWNSPOUT PER DETAIL ON DWG L90-CDD314 AND CONNECT TO AERIAL/OVERHEAD PIPE ABOVE.
- 31 INSTALL AERIAL GUIDEWAY DRAIN (ST) ON STRUCTURE ABOVE, CONNECT TO DOWNSPOUT OR AERIAL PIPE, AS SHOWN ON PLANS. SEE DWG L90-CDD315 FOR DETAILS.
- 32 OVERHEAD STORM DRAIN (OSD), SUSPENDED BELOW THE GUIDEWAY, FOR DRAIN PIPE HANGER DETAILS, SEE DWGS L90SED-345 AND L90-SED346.
- 36 INSTALL 6" DIAMETER WALL UNDERDRAIN, SEE STRUCTURES WALL DWGS FOR MORE INFORMATION.
- 51 CONNECT UNDERDRAIN TO DRAINAGE STRUCTURE WITH 2% MINIMUM SLOPE.
- 54 INSTALL CLEANOUT TO GRADE PER DETAIL ON DWG L90-CDD317.



REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT

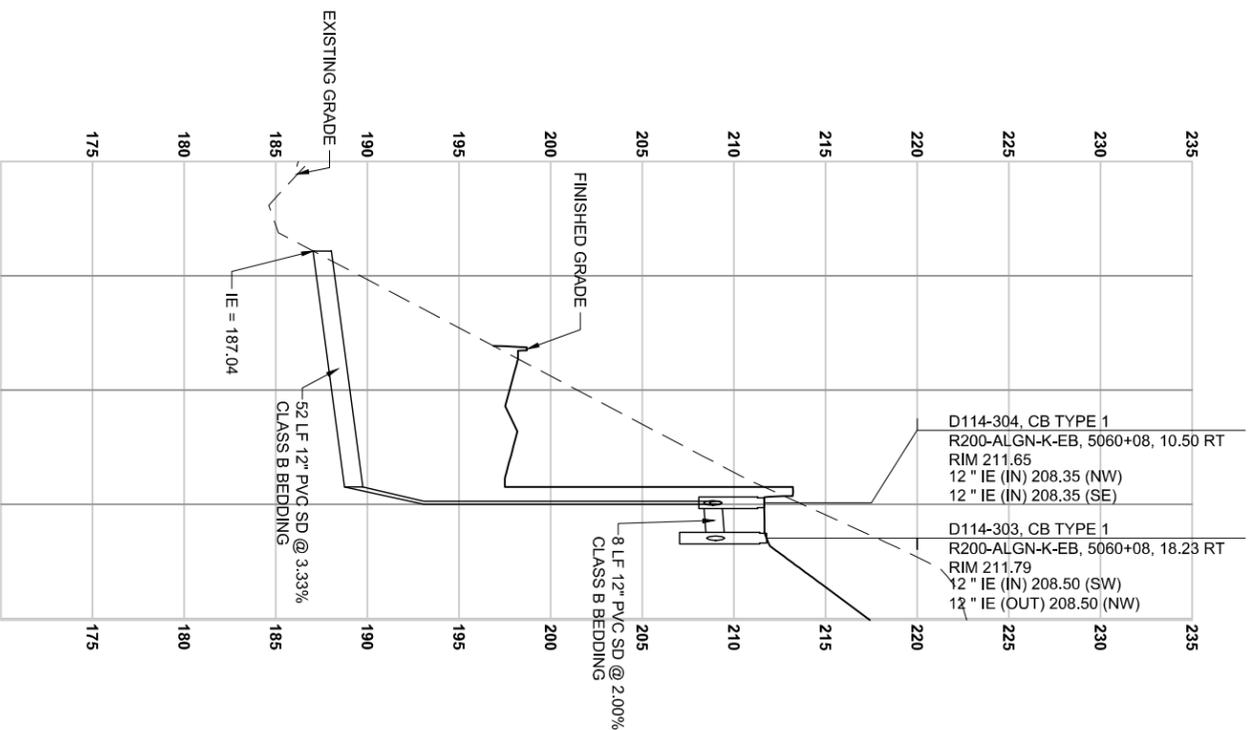
DESIGNED BY:	M. ROJAS
DRAWN BY:	M. ROJAS
CHECKED BY:	R. CHUNG
APPROVED BY:	W. HICKEY



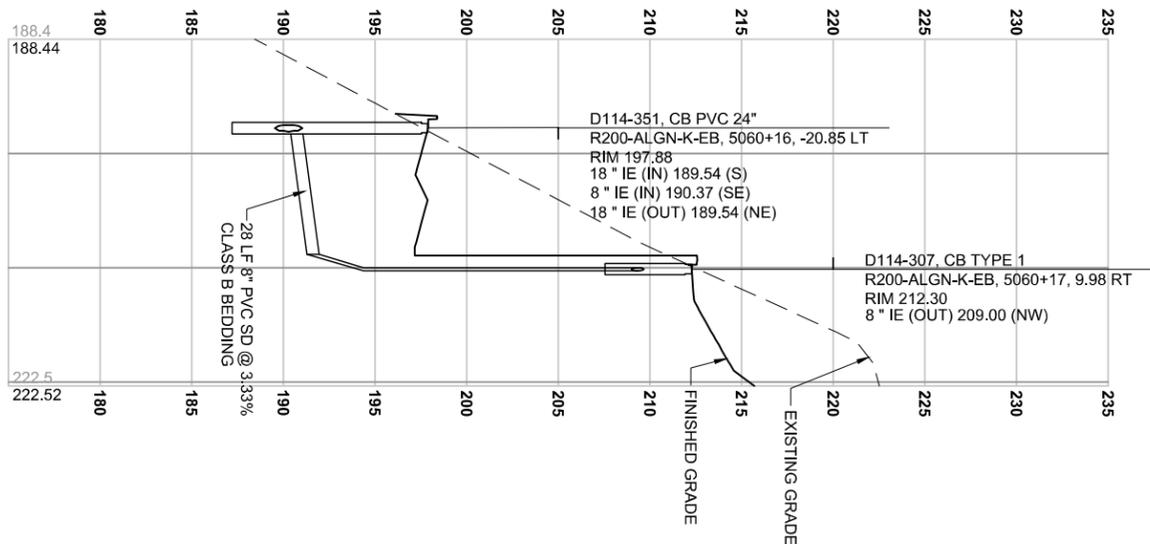
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FILENAME:	R200-L90-CDP116
CONTRACT NO.:	RTA/CN 0148-18
DATE:	08/29/2020
DESIGN PACKAGE:	HC GS
PERMIT INFORMATION:	CITY OF REDMOND
	ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 REDMOND TECH STATION TO DOWNTOWN REDMOND
 CONTRACT R200
 CIVIL - DRAINAGE
 DRAINAGE PLAN
 EB STA 5070+00 TO 5075+25

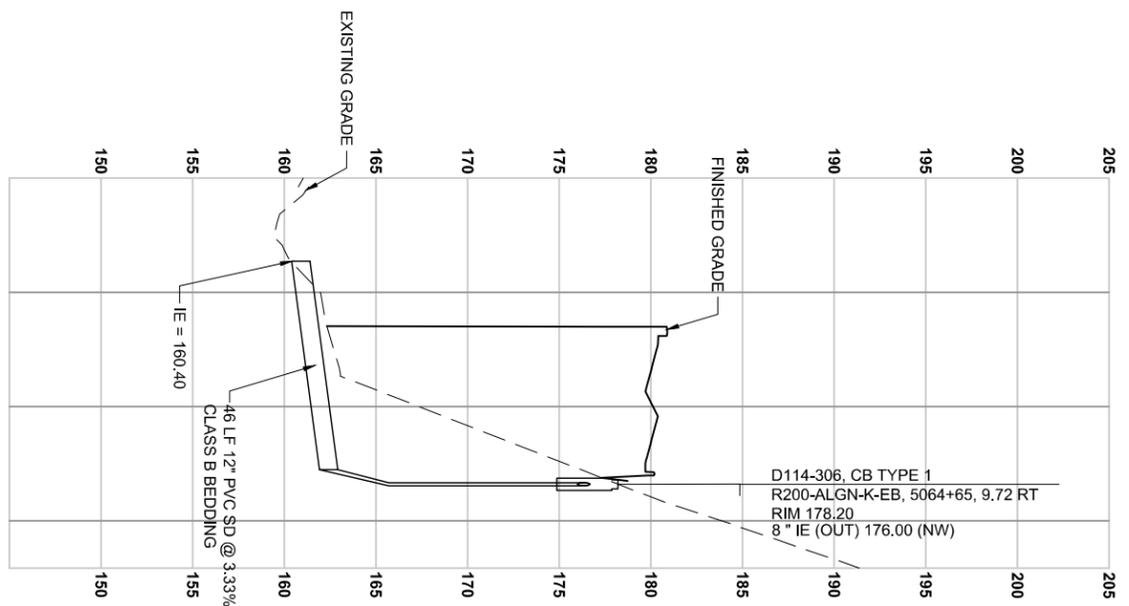
DRAWING No.:	L90-CDP116
FACILITY ID:	E28
SHEET No.:	REV:



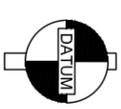
NOTE:
 1. SEE DWG L90-CDP114 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
OUTFALL TO D114-303
 SCALE: 1"=20'; 1"=5'V



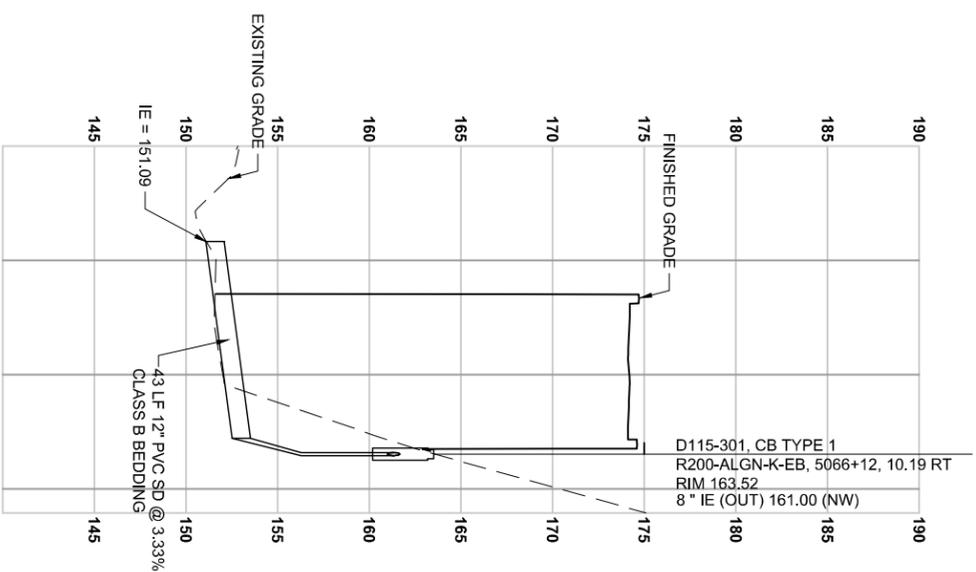
NOTE:
 1. SEE DWG L90-CDP114 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
D114-351 TO D114-307
 SCALE: 1"=20'; 1"=5'V



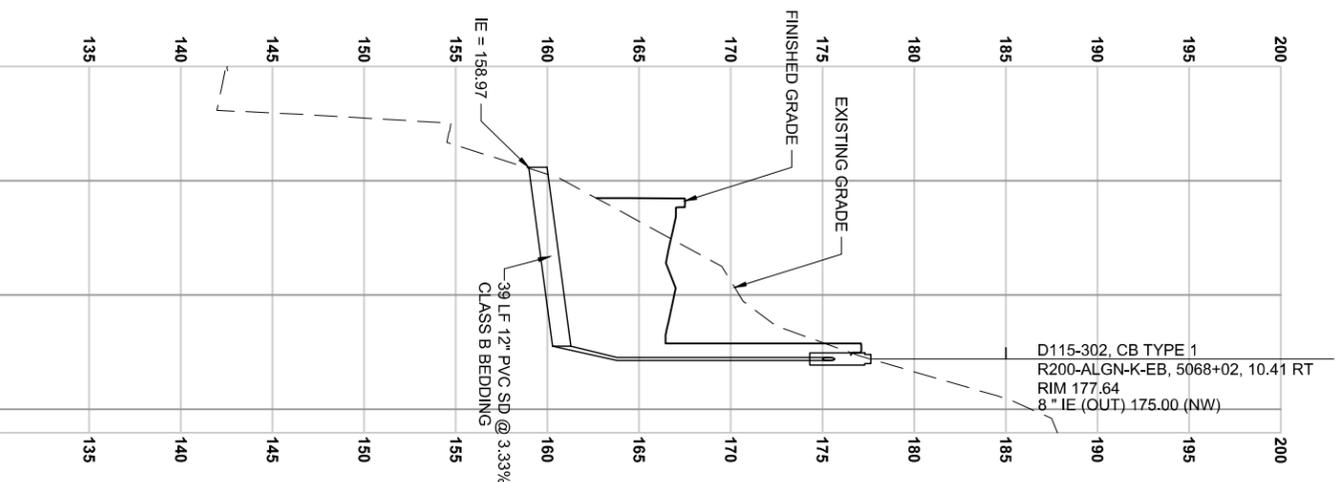
NOTE:
 1. SEE DWG L90-CDP114 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
OUTFALL TO D114-306
 SCALE: 1"=20'; 1"=5'V



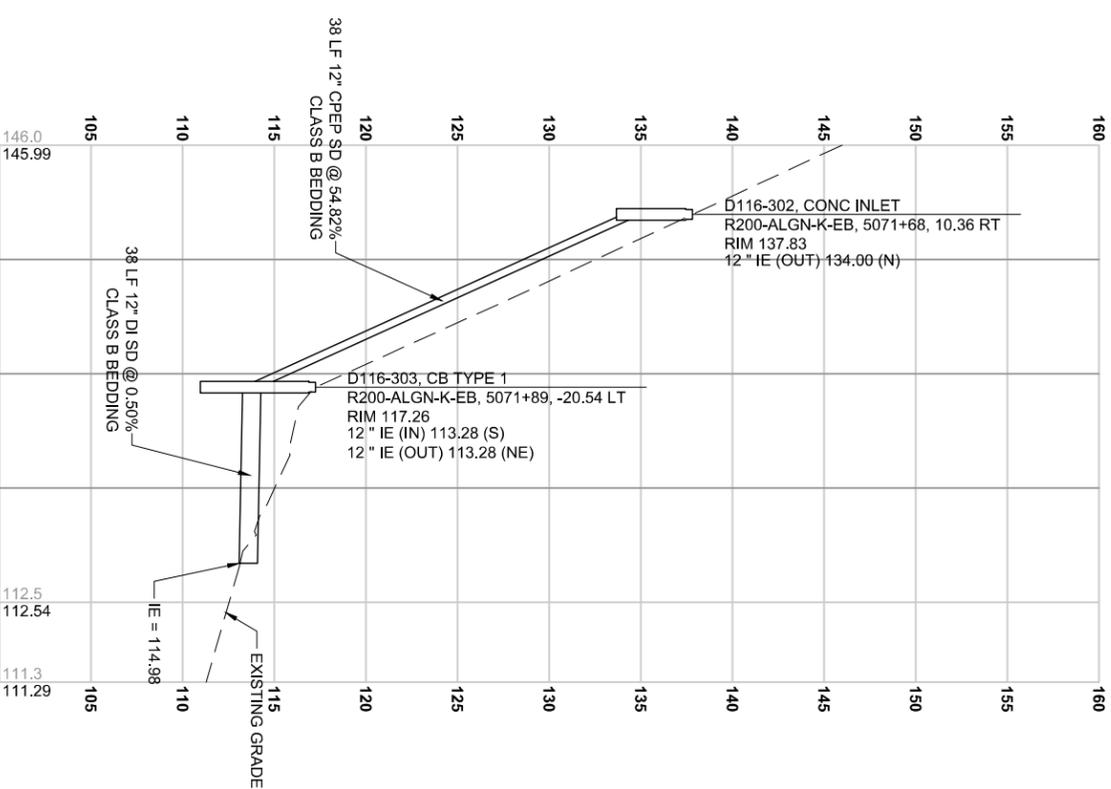
REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT		DESIGNED BY: L. ELKIN DRAWN BY: L. ELKIN CHECKED BY: R. CHUNG APPROVED BY: W. HICKEY		REVIEWED BY: J. SCHELLER		SUBMITTED BY: A. TISCARENO			SCALE: H: 1" = 20'; V: 1" = 5' FILENAME: R200-L90-CDV302 CONTRACT NO.: RTACN 0148-18 DATE: 4/3/88	DESIGN PACKAGE: PERMIT INFORMATION: CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD CIVIL - DRAINAGE DRAINAGE PIPE PROFILE	DRAWING NO.: L90-CDV302 FACILITY ID: SHEET NO.: 43 REV:
--	--	---	--	-----------------------------	--	-------------------------------	--	--	--	---	--	--



NOTE:
 1. SEE DWG L90-CDP115 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
OUTFALL TO D115-301
 SCALE: 1"=20', 1"=5'V

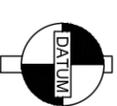


NOTE:
 1. SEE DWG L90-CDP115 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
OUTFALL TO D115-302
 SCALE: 1"=20', 1"=5'V



NOTE:
 1. SEE DWG L90-CDP116 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
D116-302 TO OUTFALL
 SCALE: 1"=20', 1"=5'V

ALL DIMENSIONS SHOWN IN FEET
 UNLESS OTHERWISE
 DESIGNATED.



REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

DESIGNED BY: L. ELKIN
 DRAWN BY: L. ELKIN
 CHECKED BY: R. CHUNG
 APPROVED BY: W. HICKEY



REVIEWED BY: J. SCHEITLER



SUBMITTED BY: A. TISCARENO



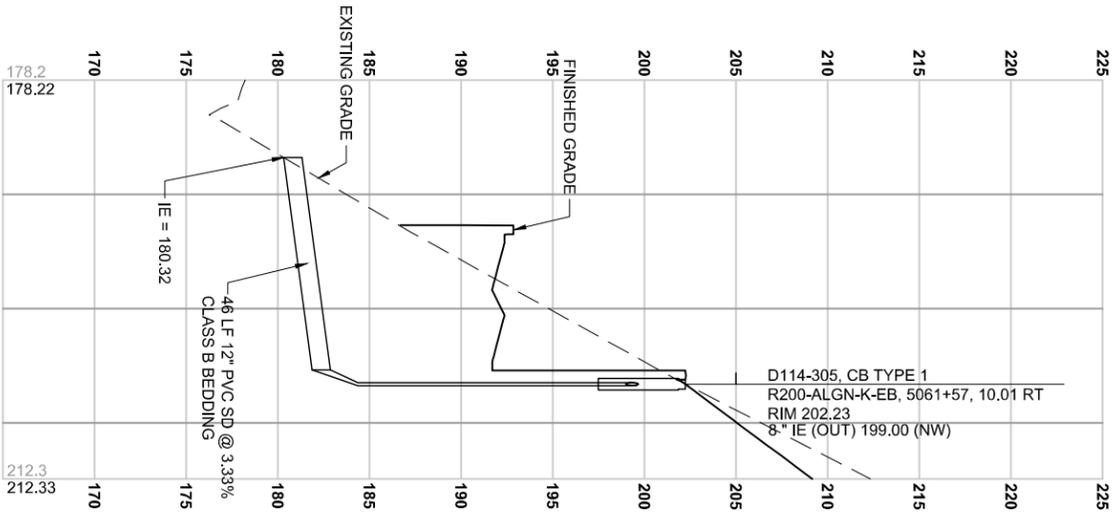
LINE IS 1" AT FULL SCALE

SCALE: H: 1" = 20', V: 1" = 5'
 FILENAME: R200-L90-CDV303
 CONTRACT NO.: RTA/CN 0148-18
 DATE: 4/3/20

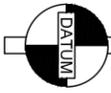
DESIGN PACKAGE: PERMIT INFORMATION:
CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 CIVIL - DRAINAGE
 DRAINAGE PIPE PROFILE

DRAWING No.: L90-CDV303
 FACILITY ID:
 SHEET No.: 44
 REV:



NOTE:
 1. SEE DWG L90-CDP114 FOR PLAN VIEW.
 2. SEE DWG XXX-XXXXXX FOR DETAIL.
OUTFALL TO D114-305
 SCALE: 1"=20'; 1"=5'V


 NAVD '88
 ALL DIMENSIONS SHOWN IN FEET
 UNLESS OTHERWISE
 DESIGNATED.

REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY:
 M. ROJAS
 DRAWN BY:
 M. ROJAS
 CHECKED BY:
 R. CHUNG
 APPROVED BY:
 W. HICKEY



REVIEWED BY:

 J. SCHELLER

SUBMITTED BY:

 A. TISCARENO

LINE IS 1" AT FULL SCALE

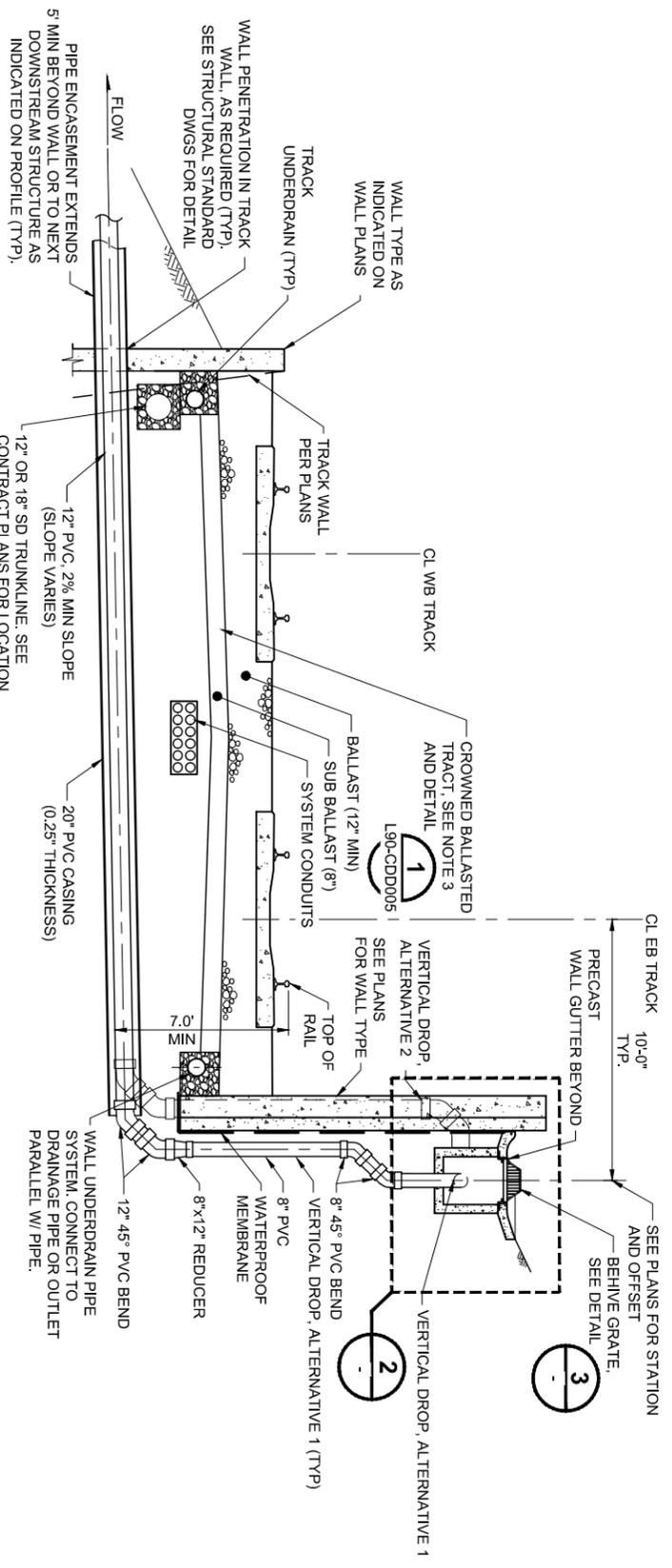
 DATE: 4/3/20

SCALE:
 H: 1" = 20'; V: 1" = 5'
 FILENAME:
 R200-L90-CDV305
 CONTRACT No.:
 RTA/CN 0148-18

DESIGN PACKAGE:
 PERMIT INFORMATION:
CITY OF REDMOND
 ALTERATION OF
 GEOLOGIC HAZARD AREA

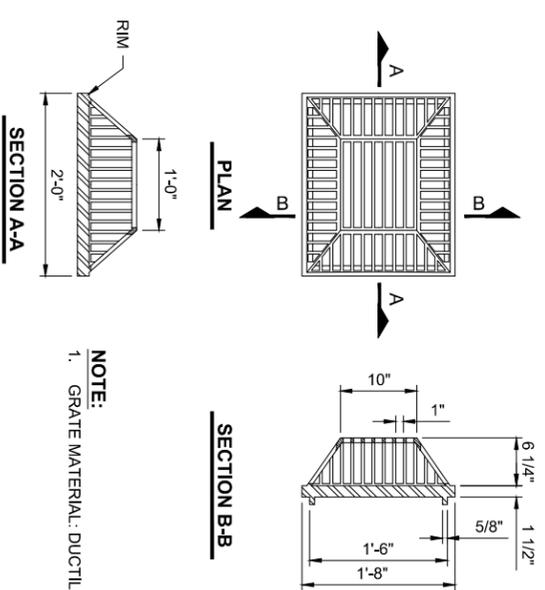
DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 CIVIL - DRAINAGE
 DRAINAGE PIPE PROFILE

DRAWING No.:
L90-CDV305
 FACILITY ID:
 SHEET No.:
45
 REV:

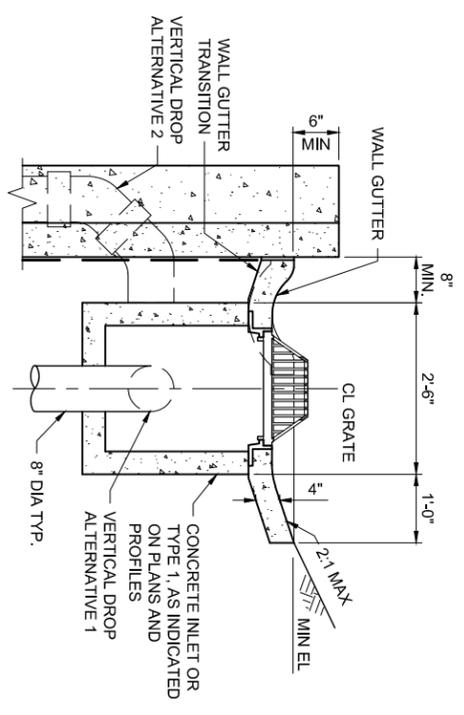


- NOTE:**
- AS INDICATED ON PLAN SET, INSTALL CONCRETE INLET PER WSDOT STD PLAN B-25.60-02 OR CATCH BASIN TYPE 1 PER WSDOT STD PLAN B-5.20-02 BEHIND BACK OF WALL AND CONTOUR CONCRETE GUTTER TO FLOW INTO INLET.
 - INSTALL BEEHIVE FRAME AND GRATE. SEE DETAIL BELOW.
 - DETAIL INDICATES WALL SECTION ALONG TRACK WITH CROWNED BALLAST. USE SIMILAR DETAIL FOR SINGLE SLOPED BALLAST SECTIONS, AND FOR WALL SEGMENTS NOT LOCATED ADJACENT TO TRACK.
 - FOR SOIL NAIL WALL TYPES USE VERTICAL DROP ALTERNATIVE 2 WITH DISCHARGE COMING DOWN INSIDE FASCIA PANEL. COORDINATE WITH WALL DETAILS.
 - FOR ALL OTHER WALL TYPES USE VERTICAL DROP ALTERNATIVE 1.
 - CROSSING PIPE IS SHOWN AS 12" SD TYPICAL, BUT PLANS MAY HAVE SOME LOCATIONS WITH 8" SD. REVISE PIPE CASING AND CONNECTIONS AS REQUIRED.

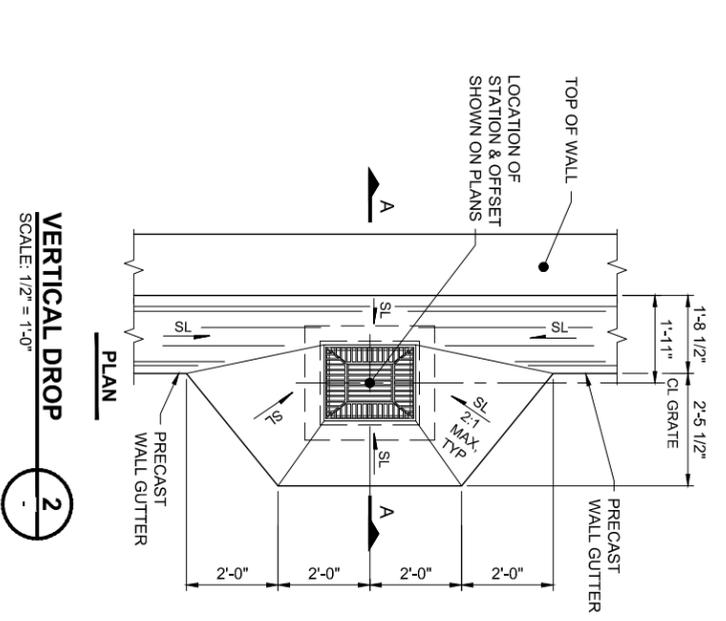
EXTERNAL DRAINAGE DROP STRUCTURE BEHIND WALL



BEEHIVE GRATE DETAIL



SECTION A-A



VERTICAL DROP



REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT

DESIGNED BY: K. ENRIGHT
 DRAWN BY: M. CASTELL
 CHECKED BY: R. CHUNG
 APPROVED BY: W. HICKEY



Jacobs
 REVIEWED BY: J. SCHELLTNER

SWK
 Stacy and Witbeck / Kuey
 SUBMITTED BY: A. TISCARENO

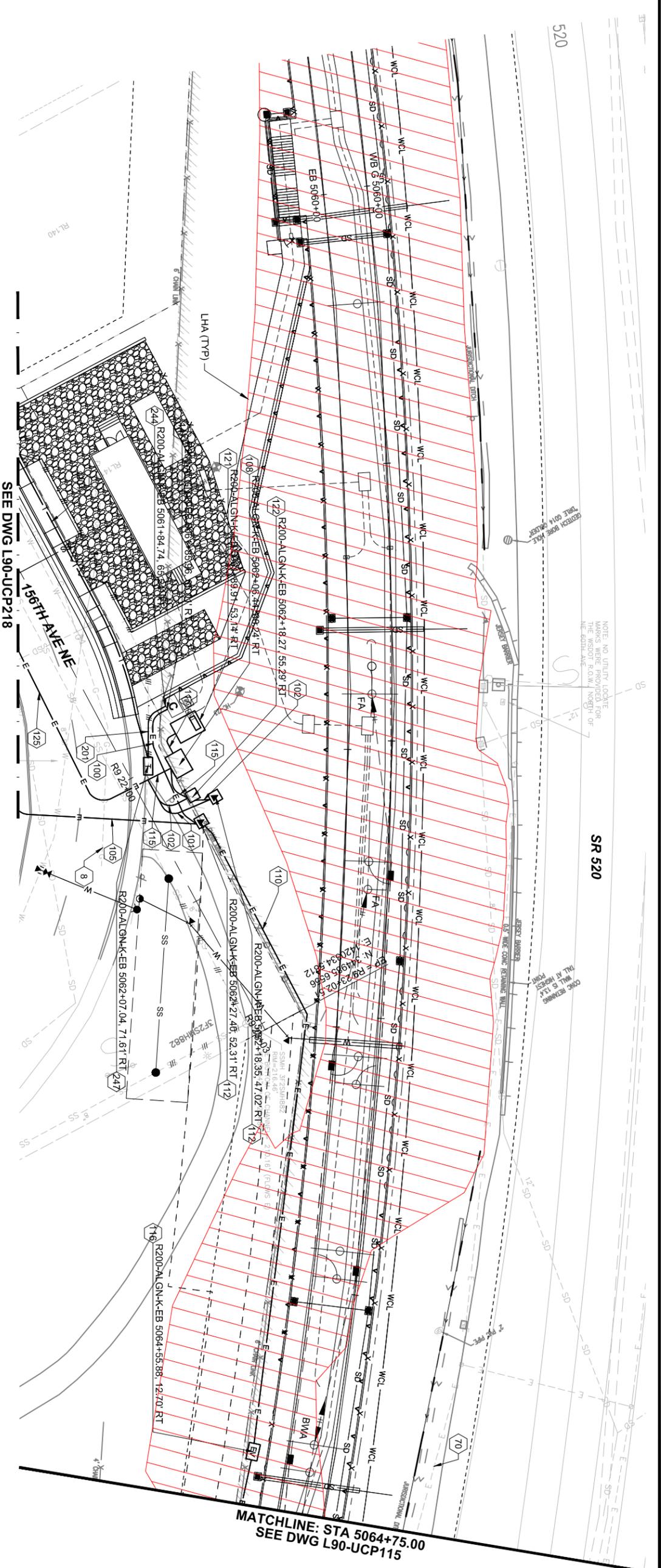
SoundTransit
 LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
 FILENAME: R200-L90-CDD104
 CONTRACT No.: RTA/CN 0148-18
 DATE: 4/3/24

DESIGN PACKAGE: PERMIT INFORMATION
 CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

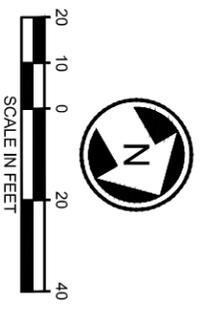
DOWNTOWN REDMOND LINK EXTENSION
 REDMOND TECH CENTER TO DOWNTOWN REDMOND
 CIVIL - DRAINAGE
 DRAINAGE GENERAL DETAILS

DRAWING No.: L90-CDD104
 FACILITY ID: L90
 SHEET No.: REV:

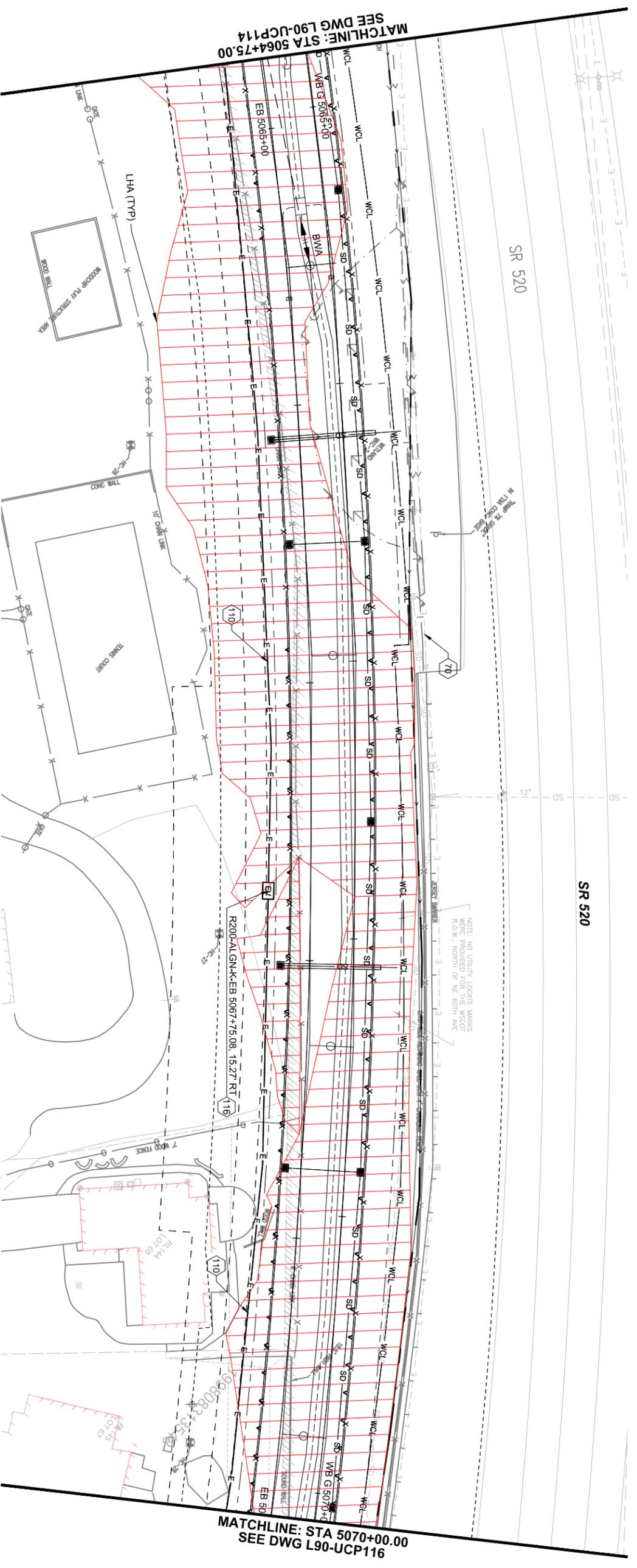


- KEY NOTES:**
- 8 PIP EXIST G
 - 23 RMW EXIST T
 - 70 LTG COND
 - 105 CONST 2.2IN E
 - 108 CONST SWITCH
 - 100 CONST E
 - 101 CONST 2IN E
 - 102 CONST 3IN E
 - 110 CONST 2.4IN E
 - 112 CONST E TRANSF
 - 115 CONST 2.6IN E
 - 116 CONST TYPE 444-LA HH
 - 117 CONST 2.4IN
 - 121 CONST PRIMARY METER
 - 122 CONST LIVE CAB
 - 125 CONST 2.6IN, 1.3IN, & 1.2IN E
 - 147 CONN E TO IRR SYS
 - 201 CONST T
 - 244 CONN T TO IRR SYS
 - 247 CONN TO EXIST T VLT

- NOTES:**
1. REFER TO GEN-GZN106 AND GEN-GZN107 FOR ADDITIONAL SYMBOLS AND LEGENDS.
 2. SEE CLP DRAWINGS FOR DISPOSITION OF LIGHTING CONDUITS.

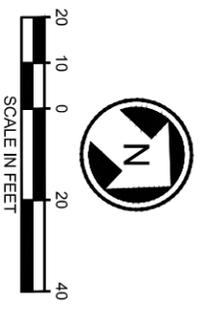


REDMOND CITY AGHA REVIEW		DESIGNED BY: W. COAN		Jacobs			SCALE: 1" = 20'	DESIGN PACKAGE: HCGS	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200 REDMOND TECH STATION TO DOWNTOWN REDMOND COMPOSITE UTILITIES DRY PLAN EB STA 5059+50 TO 5064+75	DRAWING No.: L90-UCP114				
ALTERATION OF GEOLOGIC HAZARD		CHECKED BY: J. WILLIAMS					FILENAME: R200-L90-UCP114	PERMIT INFORMATION: CITY OF REDMOND		CONTRACT No.: RTACN 0148-18	DATE: 08/29/2020	REVIEWED BY: J. SCHELLER	ALTERNATION OF GEOLOGIC HAZARD AREA	FACILITY ID: E28
ISSUE FOR PERMIT		APPROVED BY: P. WHITE					REVIEWED BY: A. TISCARENO	DATE: 08/29/2020		DATE: 08/29/2020	DATE: 08/29/2020	DATE: 08/29/2020	DATE: 08/29/2020	REV:

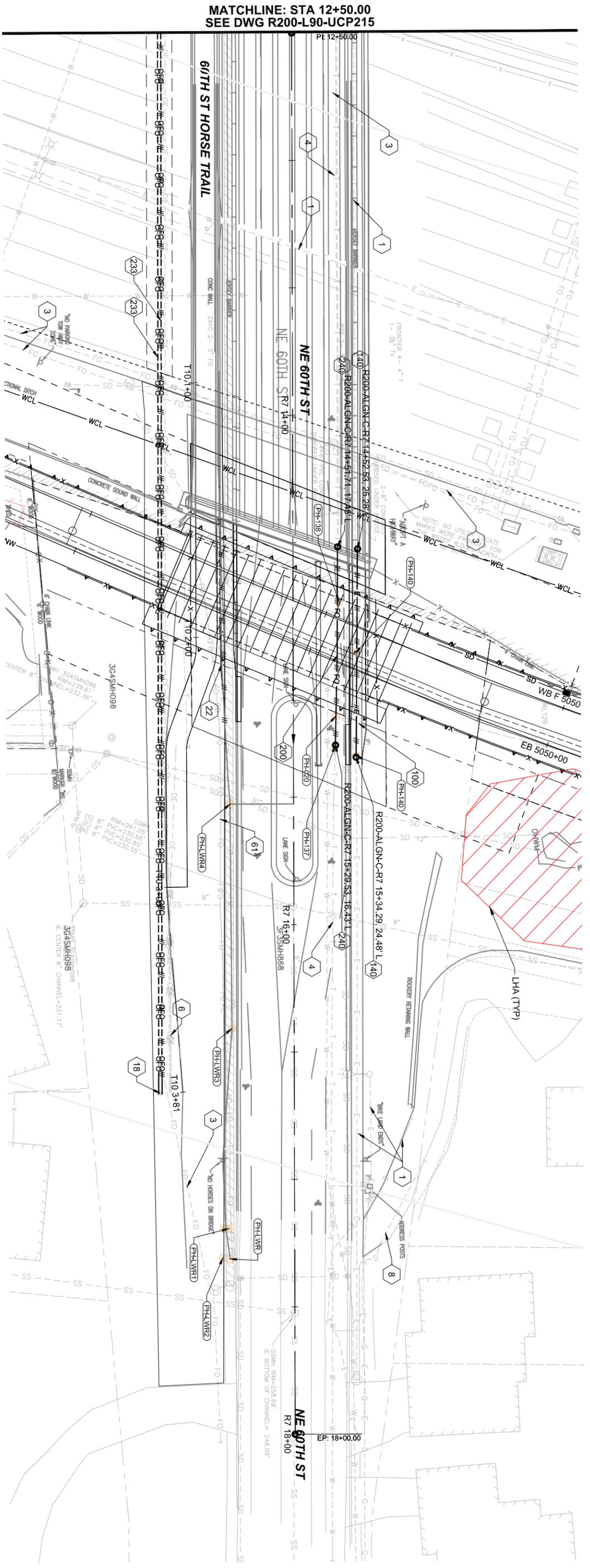


- KEY NOTES:**
- ⑦ LTG CONDUIT
 - ①⑩ CONST 2 4IN E
 - ①①⑥ CONST TYPE 444-LA HH

- NOTES:**
1. REFER TO GEN-GZN106 AND GEN-GZN107 FOR ADDITIONAL SYMBOLS AND LEGENDS.
 2. SEE CLIP DRAWINGS FOR DISPOSITION OF LIGHTING CONDUITS.

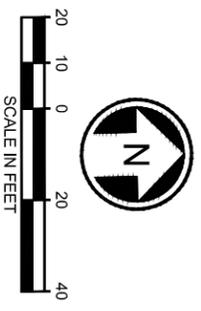


REDMOND CITY AGHA REVIEW		DESIGNED BY: W. COAN					FILENAME: R200-L90-UCP115	DESIGN PACKAGE: HCGS	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200 REDMOND TECH STATION TO DOWNTOWN REDMOND COMPOSITE UTILITIES DRY PLAN EB STA 5064+75 TO 5070+00	DRAWING No.: L90-UCP115
ALTERATION OF GEOLOGIC HAZARD		DRAWN BY: W. GODETTE					CONTRACT No.: RTA/CN 0148-18	PERMIT INFORMATION: CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA		FACILITY ID: E28
ISSUE FOR PERMIT		CHECKED BY: J. WILLIAMS					DATE: 08/29/2020	REVIEWED BY: J. SCHEITTLER		REV:
		APPROVED BY: P. WHITE		SUBMITTED BY: A. TISCARENO						



- KEY NOTES:**
- 1 PIP EXIST E
 - 3 PIP EXIST FO
 - 4 PIP EXIST T
 - 6 PIP EXIST HV OH E
 - 8 PIP EXIST G
 - 18 PIP EXIST POLE
 - 22 RMV EXIST FO
 - 61 PIP LAKE WASHINGTON RING FO
 - 100 CONST E
 - 140 CONN TO EXIST E
 - 200 CONST FO
 - 233 RAISE EXIST OH FO
 - 240 CONN TO EXIST FO

- NOTES:**
1. REFER TO GEN-GZN106 AND GEN-GZN107 FOR ADDITIONAL SYMBOLS AND LEGENDS.
 2. (EH###) DENOTES POT HOLE. SEE DRAWINGS L90-UCN304 - L90-UCN305 FOR MORE INFORMATION.

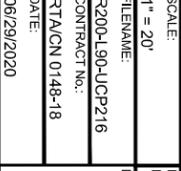


REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: W. COANI
 DRAWN BY: W. GODETTE
 CHECKED BY: J. WILLIAMS
 APPROVED BY: P. WHITE



REVIEWED BY: J. SCHEITTLER

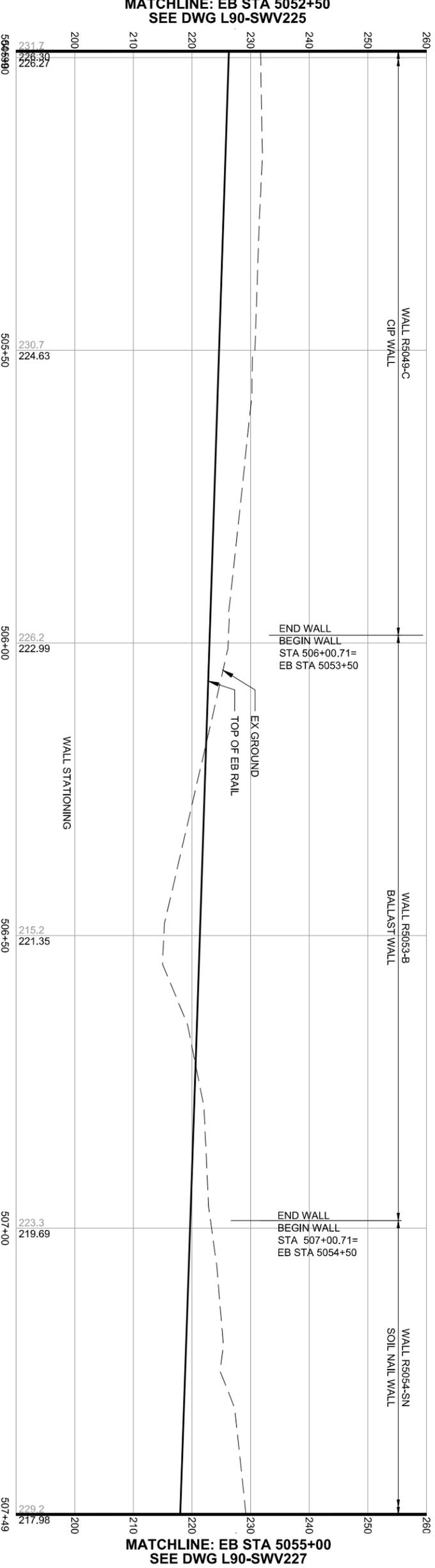
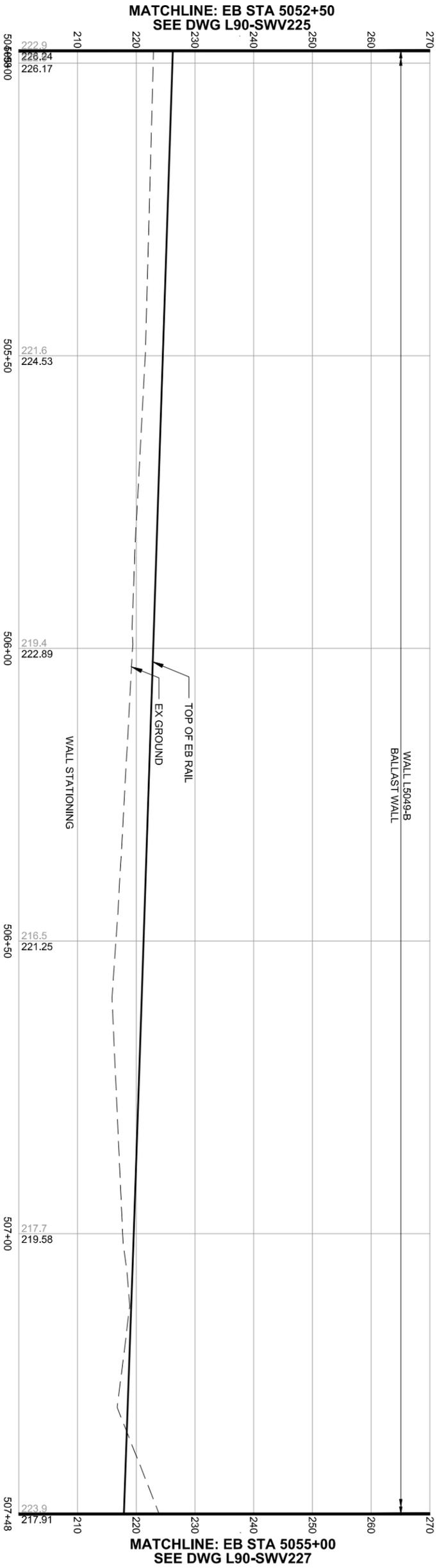


SCALE: 1" = 20'
 FILENAME: R200-L90-UCP216
 CONTRACT NO.: RTA/CN 0148-18
 DATE: 08/29/2020

DESIGN PACKAGE: **HCGS**
 PERMIT INFORMATION: **CITY OF REDMOND**
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
 REDMOND TECH STATION TO DOWNTOWN REDMOND
 COMPOSITE UTILITIES
 DRY PLAN
 R7 STA 12+50.00 TO R7 STA 18+00.00

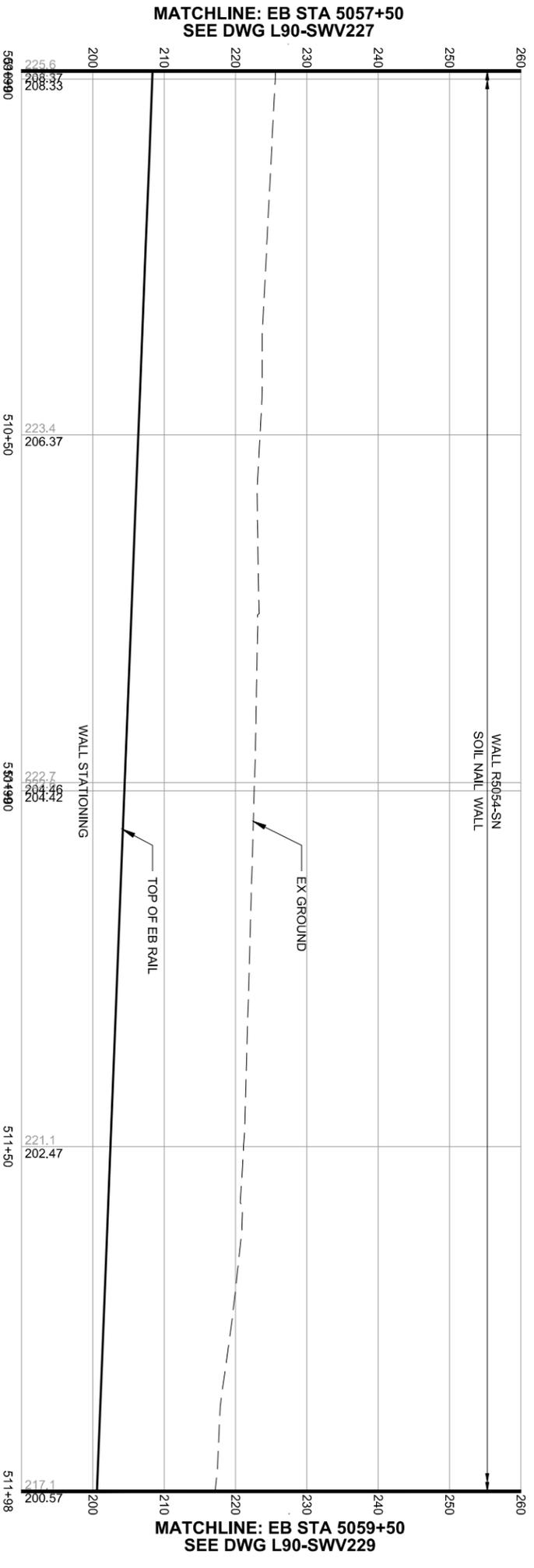
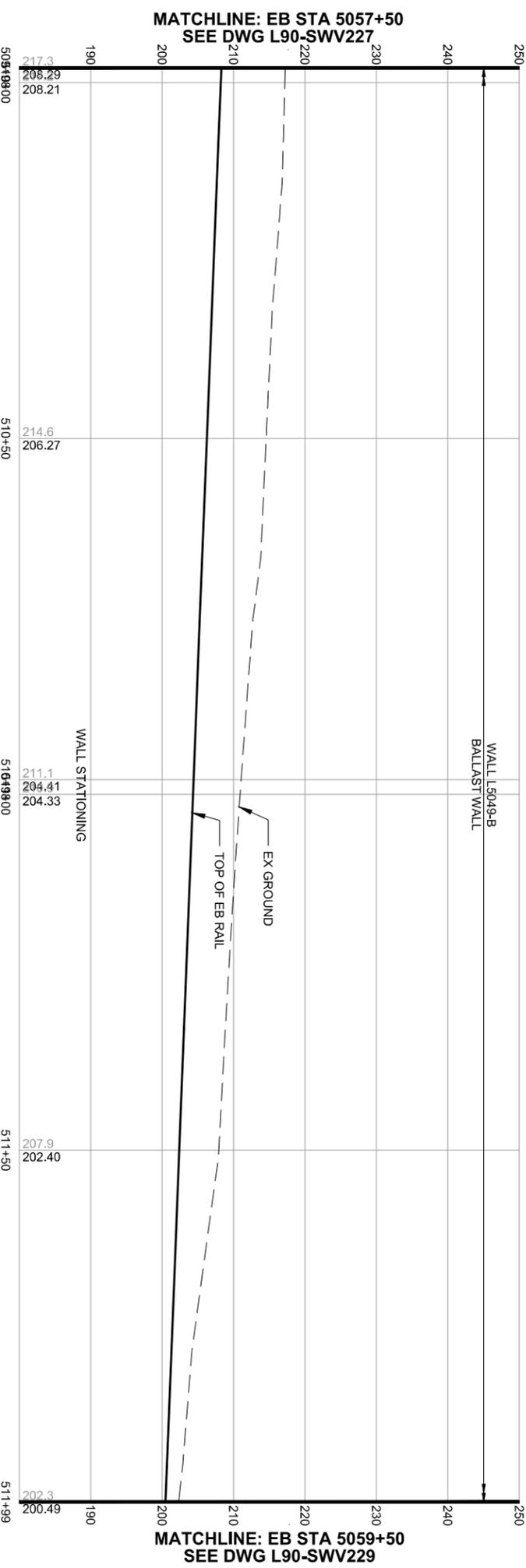
DRAWING No.: **L90-UCP216**
 FACILITY ID: E28
 SHEET No.:
 REV:



EB GUIDEWAY WALL DEVELOPED ELEVATION
SCALE: 1" = 10'

WB GUIDEWAY WALL DEVELOPED ELEVATION
SCALE: 1" = 10'

REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT		DESIGNED BY: R. PATEL DRAWN BY: H. ONG CHECKED BY: Y. LIU APPROVED BY: D.C. ONG					SCALE: 1"=10' FILENAME: R200-L90-SWV226 CONTRACT No.: RTA/CN 0148-18 DATE: 4/9/23	DESIGN PACKAGE: HCGS PERMIT INFORMATION: CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD AREA	DOWNTOWN REDMOND LINK EXTENSION CONTRACT R200 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD STRUCTURES - GUIDEWAY WALL ELEVATIONS STA 5052+50 TO 5055+00	DRAWING No.: L90-SWV226 FACILITY ID: E28 SHEET No.: 63 REV:
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REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: R. PATEL
 DRAWN BY: H. ONG
 CHECKED BY: Y. LIU
 APPROVED BY: D.C. ONG



REVIEWED BY: J. SCHELLER

SUBMITTED BY: A. TISCARENO

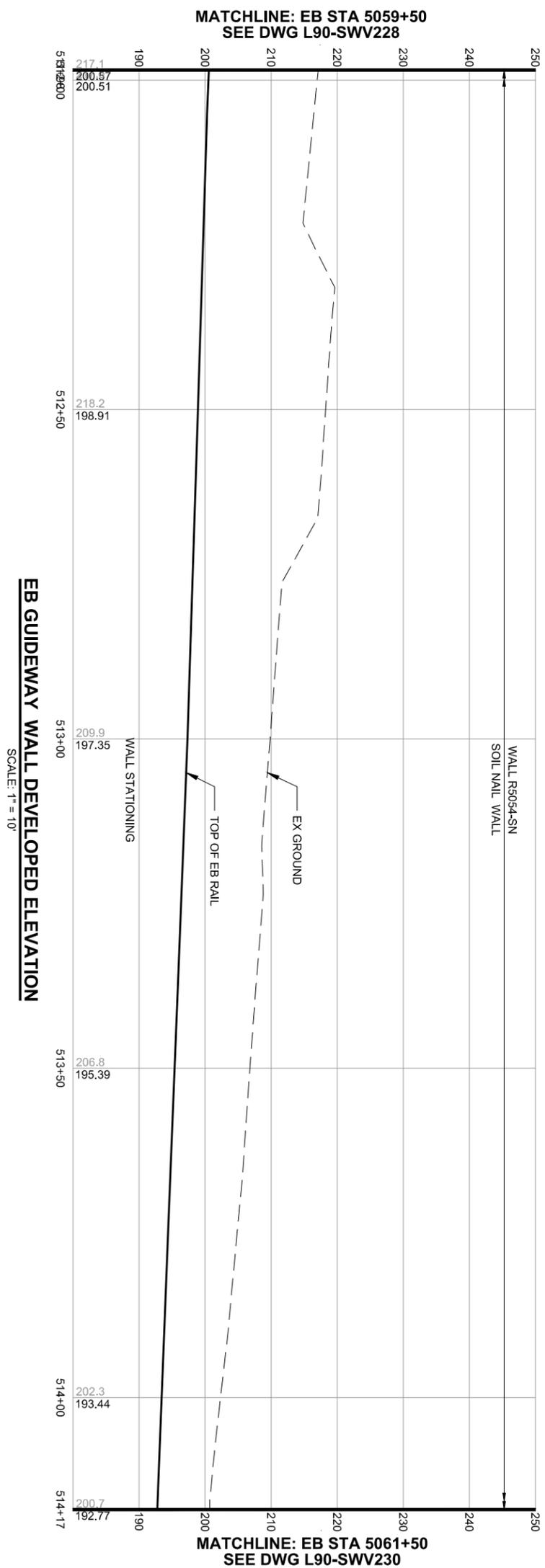
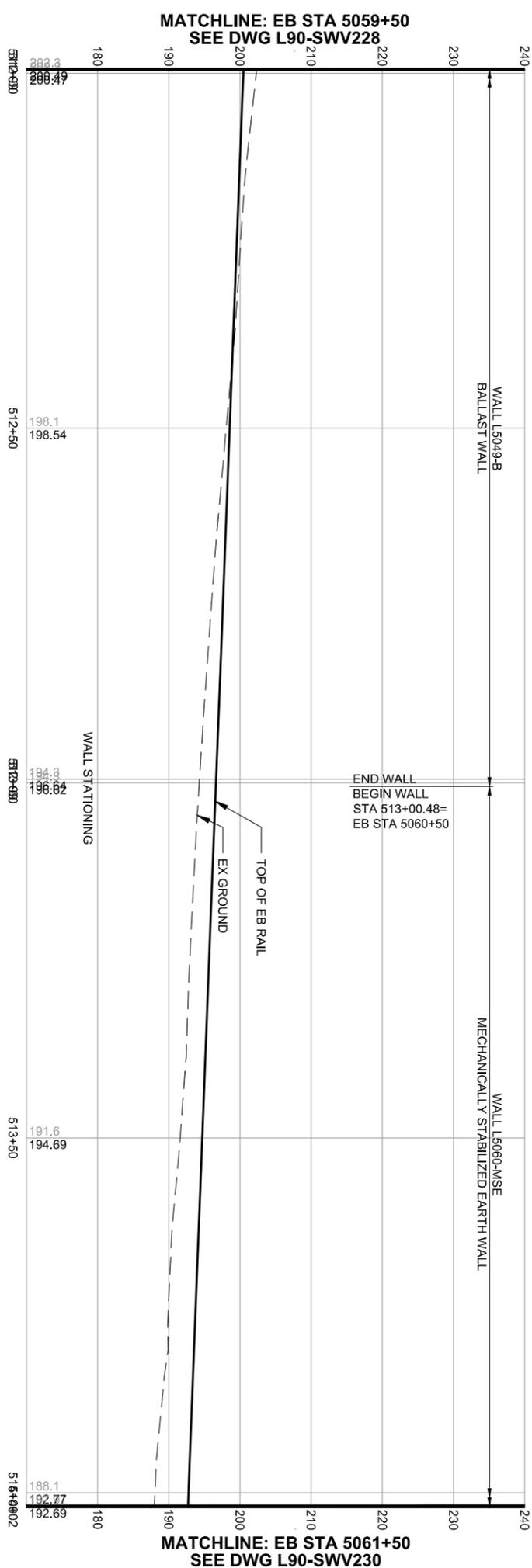
LINE IS 1" AT FULL SCALE

SCALE: 1" = 10'
 FILENAME: R200-L90-SWV228
 CONTRACT No.: RTA/CN 0148-18
 DATE: 4/3/23

DESIGN PACKAGE: **HCGS**
 PERMIT INFORMATION: **CITY OF REDMOND**
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD STRUCTURES - GUIDEWAY WALL ELEVATIONS
 STA 5057+50 TO 5059+50

DRAWING No.: **L90-SWV228**
 FACILITY ID: **E28**
 SHEET No.: **65**
 REV:



REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY: R. PATEL		REVIEWED BY: J. SCHELLER
DRAWN BY: H. ONG		SUBMITTED BY: A. TISCARENO
CHECKED BY: Y. LIU		
APPROVED BY: D.C. ONG		DATE: 4/3/2018

SCALE: 1" = 10'

FILENAME: R200-L90-SWV229

CONTRACT No.: RTACN 0148-18

DESIGN PACKAGE: **HCGS**

PERMIT INFORMATION: **CITY OF REDMOND**

ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION

CONTRACT R200

CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD STRUCTURES - GUIDEWAY WALL ELEVATIONS

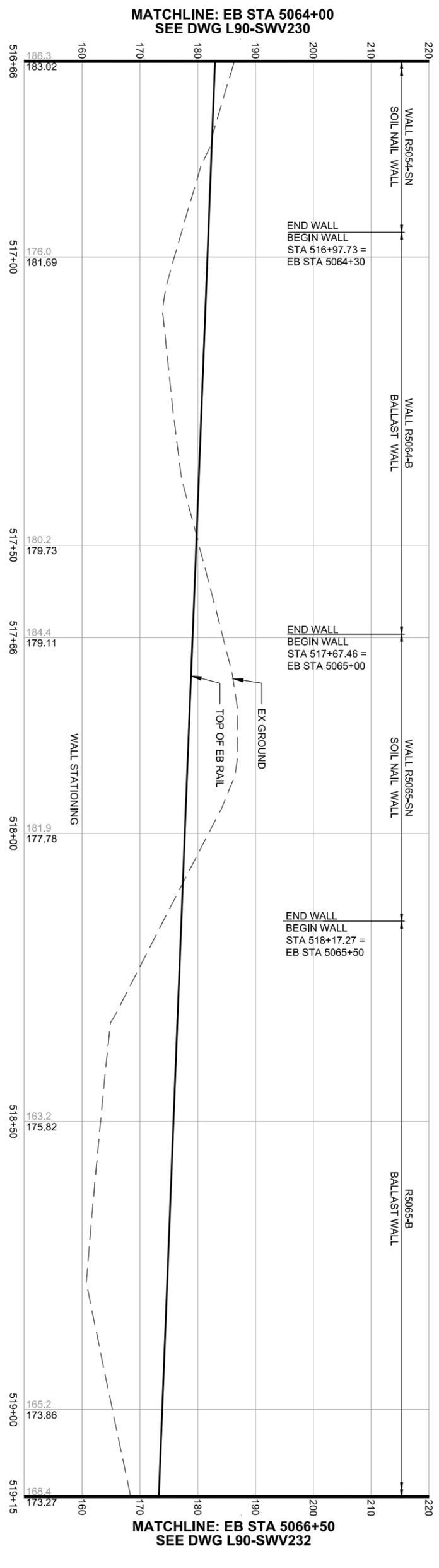
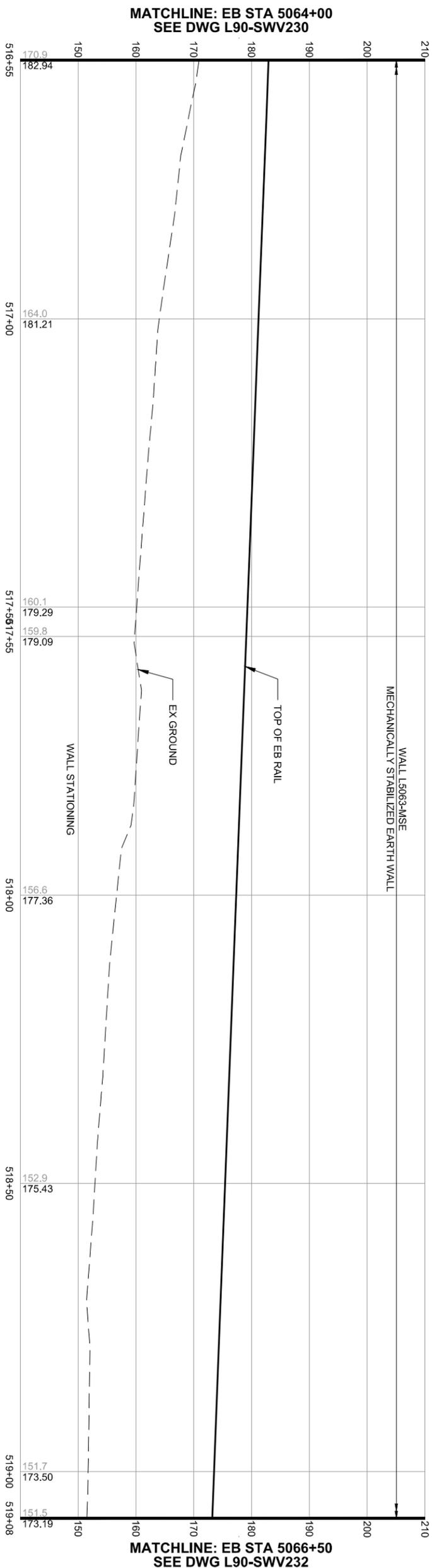
STA 5059+50 TO 5061+50

DRAWING No.: **L90-SWV229**

FACILITY ID: **E28**

SHEET No.: **66**

REV:

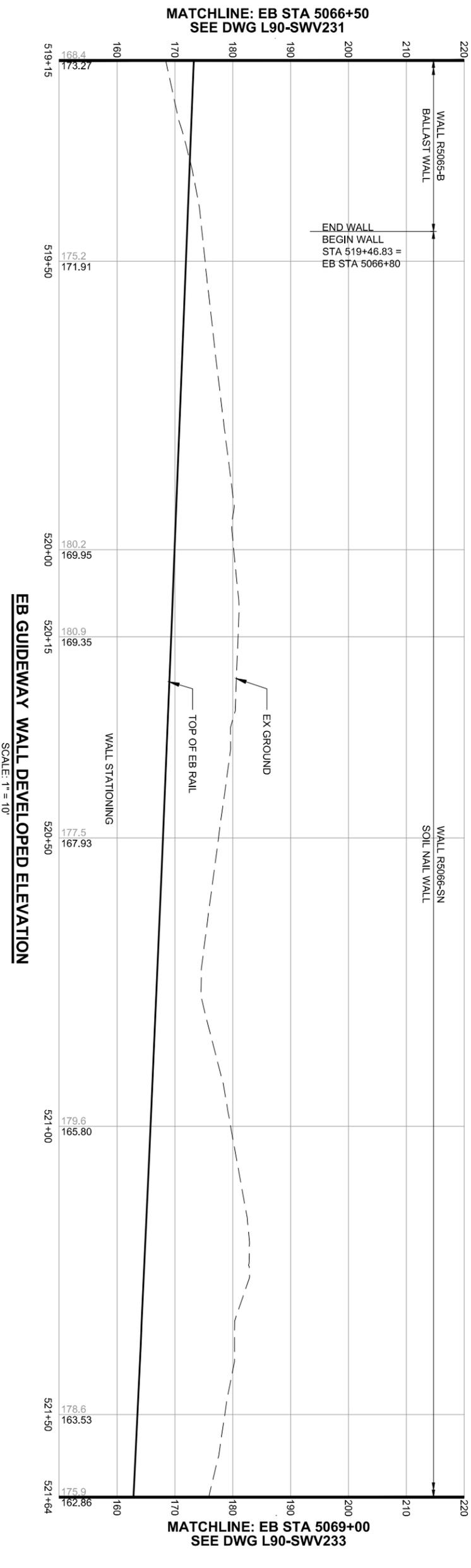
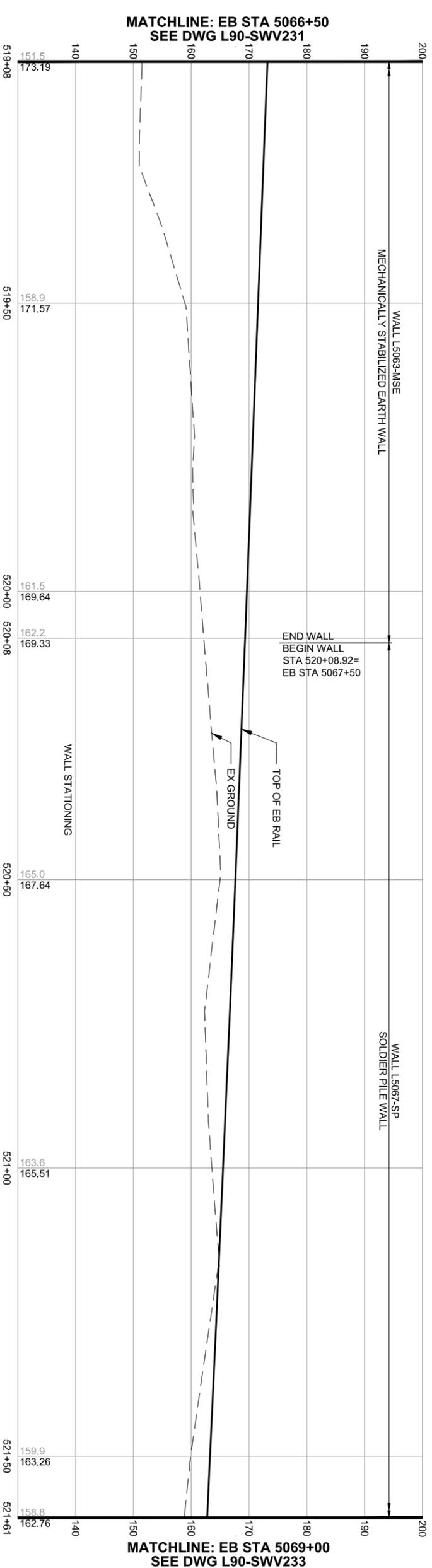


REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY: R. PATEL	DRAWN BY: H. ONG	CHECKED BY: Y. LIU	APPROVED BY: D.C. ONG
			
REVIEWED BY: J. SCHEITLER		SUBMITTED BY: A. TISCARENO	
			
			
			
SCALE: 1"=10'	FILENAME: R200-L90-SWV231	DESIGN PACKAGE: HCGS	DRAWING NO.:
CONTRACT NO.:	PERMIT INFORMATION:	CITY OF REDMOND	L90-SWV231
DATE: 4/3/23	RTA/CN 0148-18	ALTERATION OF GEOLOGIC HAZARD AREA	FACILITY ID: E28
<p>DOWNTOWN REDMOND LINK EXTENSION</p> <p>CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD</p> <p>STRUCTURES - GUIDEWAY WALL ELEVATIONS</p> <p>STA 5064+00 TO 5066+50</p>			
SHEET NO.:		REV.:	
68			



REDMOND CITY AGHA REVIEW
 ALTERATION OF GEOLOGIC HAZARD
 ISSUE FOR PERMIT

DESIGNED BY: R. PATEL
 DRAWN BY: H. ONG
 CHECKED BY: Y. LIU
 APPROVED BY: D.C. ONG



REVIEWED BY: J. SCHELLER
 CIVILTECH engineering

SUBMITTED BY: A. TISCARENO
 SWK Stacy and Witbeck / Kuey

SOUNDTRANSIT
 LINES 1" AT FULL SCALE

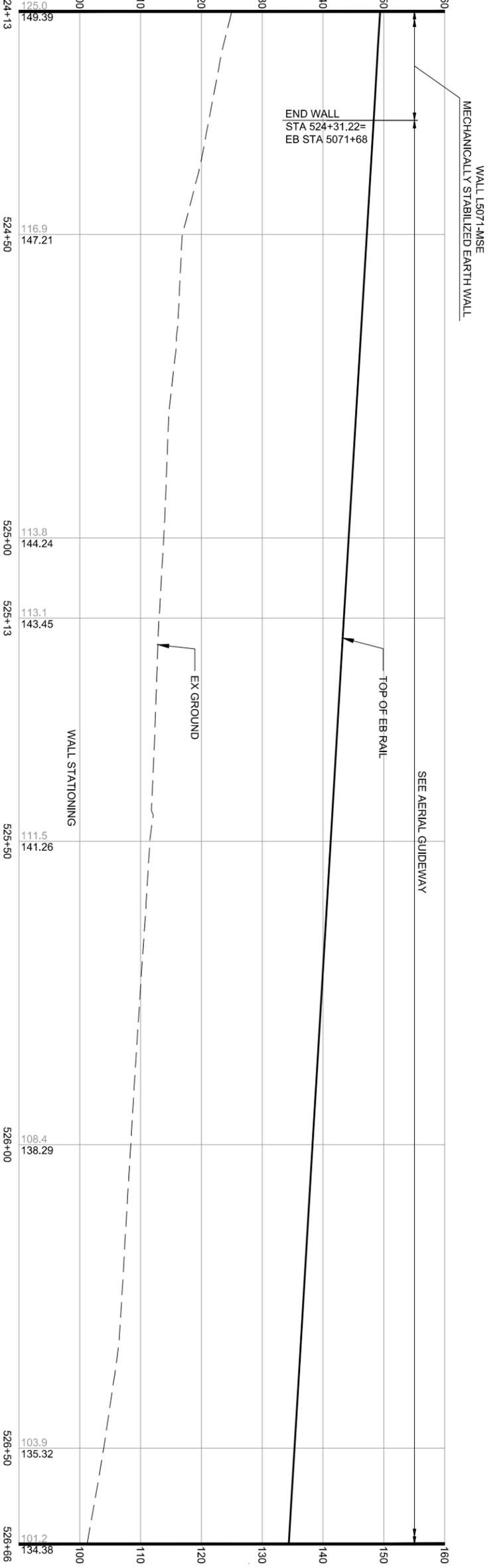
SCALE: 1" = 10'
 FILENAME: R200-L90-SWV232
 CONTRACT NO.: RTACN 0148-18
 DATE: 4/3/20

DESIGN PACKAGE: HC GS
 PERMIT INFORMATION: CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 STRUCTURES - GUIDEWAY WALL
 ELEVATIONS
 STA 5066+50 TO 5069+00

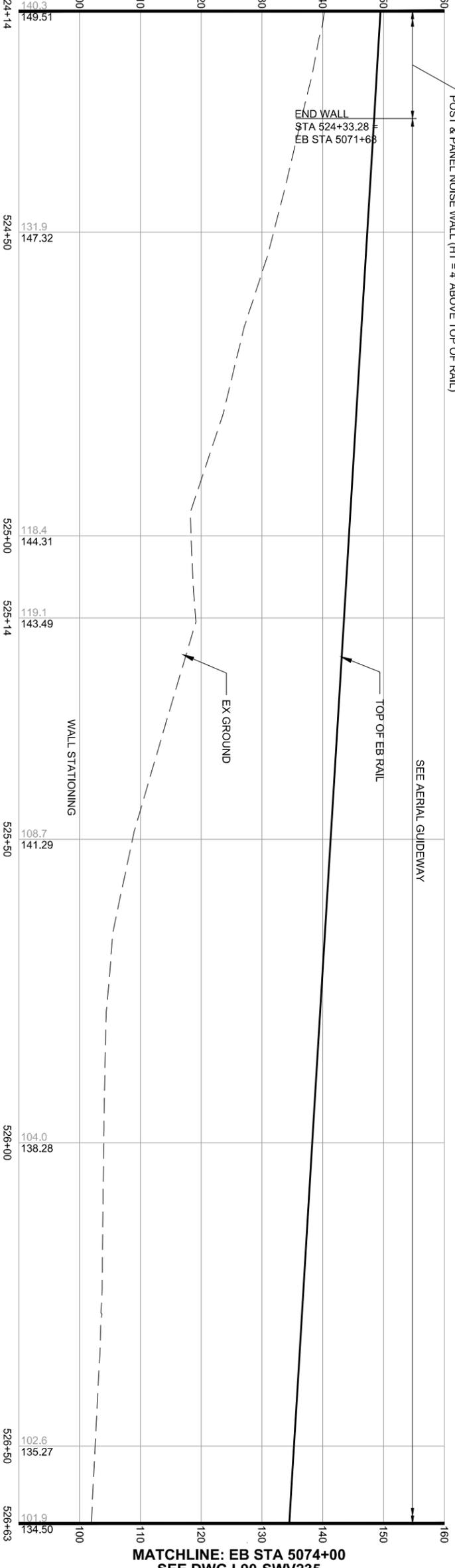
DRAWING NO.: L90-SWV232
 FACILITY ID: E28
 SHEET NO.: 69
 REV:

MATCHLINE: EB STA 5071+50
SEE DWG L90-SWV233



MATCHLINE: EB STA 5074+00
SEE DWG L90-SWV235

MATCHLINE: EB STA 5071+50
SEE DWG L90-SWV233



MATCHLINE: EB STA 5074+00
SEE DWG L90-SWV235

EB GUIDEWAY WALL DEVELOPED ELEVATION
SCALE: 1" = 10'

WB GUIDEWAY WALL DEVELOPED ELEVATION
SCALE: 1" = 10'

REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: R. PATEL
DRAWN BY: H. ONG
CHECKED BY: Y. LIU
APPROVED BY: D.C. ONG



REVIEWED BY: J. SCHEITLER
CIVILTECH
Engineering

SUBMITTED BY: A. TISCARENO
SWK
Stacy and Witbeck / Kuey

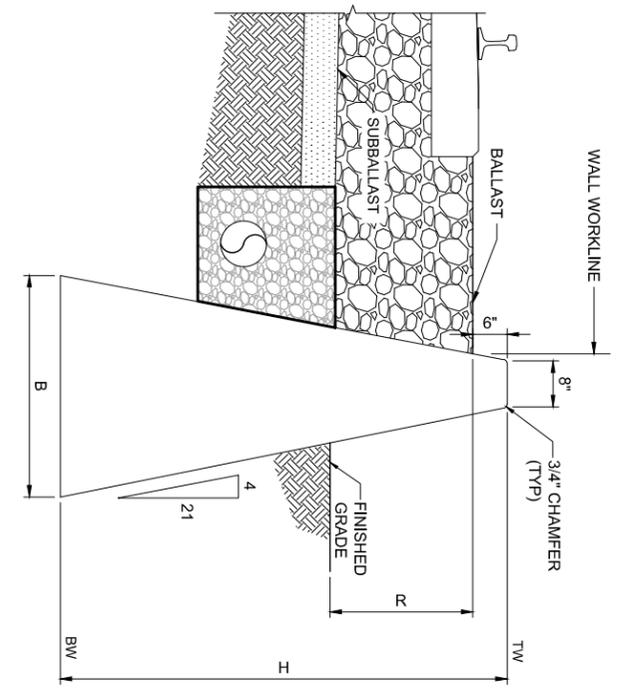
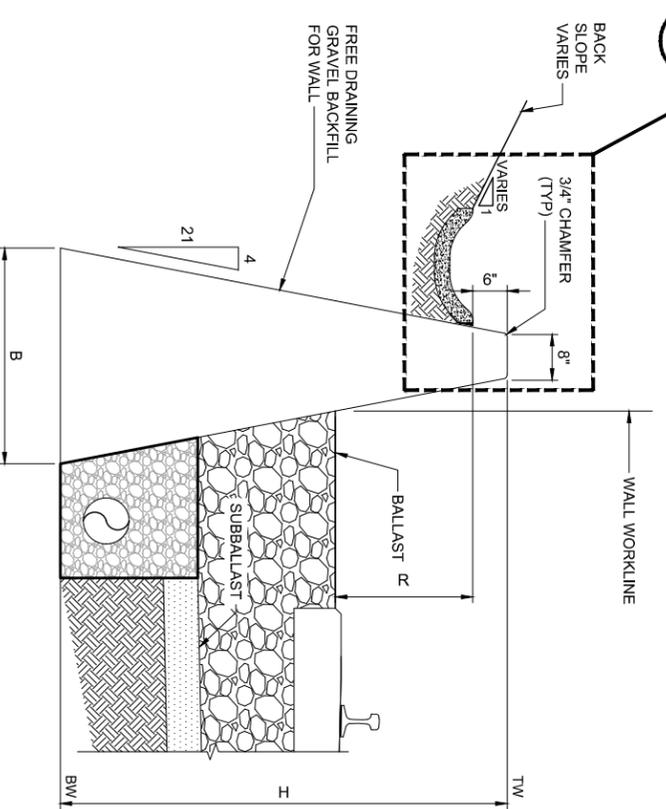
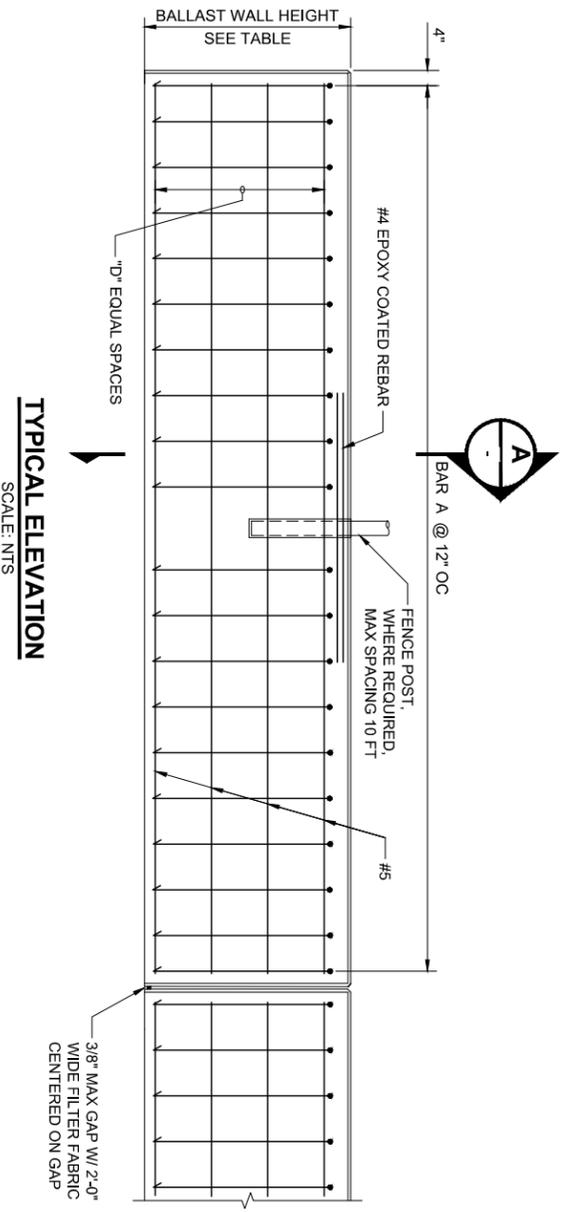
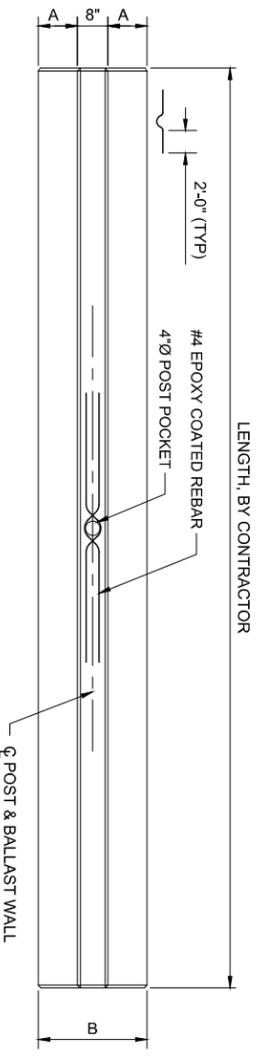
LINE IS 1" AT FULL SCALE
SoundTransit

SCALE: 1" = 10'
FILENAME: R200-L90-SWV234
CONTRACT No.: RTA/CN 0148-18
DATE: 4/3/20

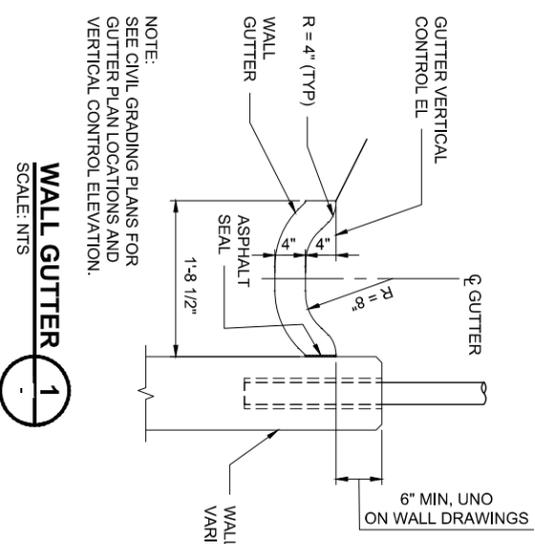
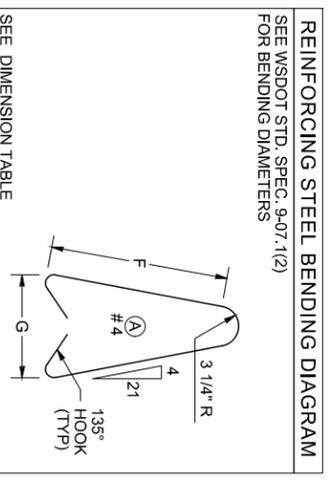
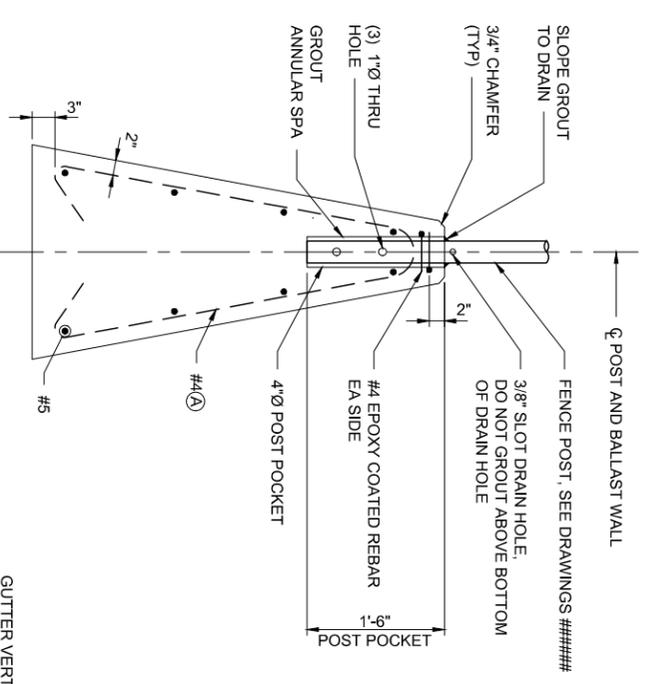
DESIGN PACKAGE: **HCGS**
PERMIT INFORMATION: **CITY OF REDMOND**
ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
STRUCTURES - GUIDEWAY WALL ELEVATIONS
STA 5071+50 TO 5074+00

DRAWING No.: **L90-SWV234**
FACILITY ID: E28
SHEET No.: 71
REV:



- GENERAL NOTES:**
1. INSTALL BALLAST WALL AS SHOWN. INSTALL 3/8" PREMOULDED JOINT FILLER BETWEEN SEGMENTS.
 2. FOR FENCE GROUNDING DETAILS, SEE DRAWING #####.



TYPE	TOTAL HEIGHT, H	BALLAST WALL DIMENSIONAL TABLE					FILL CONDITION	A	B	D	F	G
		MAX RETAINED HEIGHT, R										
		4:1 SLOPE BACKFILL	3:1 SLOPE BACKFILL	2:1 SLOPE BACKFILL	TRACK BALLAST							
BWS4	4'-6"	1'-0"	0'-9"	0'-9"	0'-6"	10 1/4"	2'-4 1/2"	5	3'-9"	1'-1 1/4"		
BW66	5'-6"	2'-0"	1'-9"	1'-9"	1'-3"	1'-0 1/2"	2'-9 1/8"	7	4'-9"	2'-3"		
BW78	6'-6"	3'-0"	2'-9"	2'-6"	2'-0"	1'-2 7/8"	3'-1 3/4"	9	5'-9"	2'-8"		
BW90	7'-6"	4'-0"	3'-9"	3'-6"	2'-9"	1'-5 1/8"	3'-6 1/4"	11	6'-10"	3'-0"		

REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

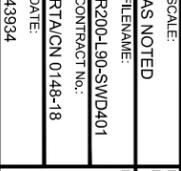
DESIGNED BY: R. PATEL
DRAWN BY: H. ONG
CHECKED BY: Y. LIU
APPROVED BY: D.C. ONG



REVIEWED BY: J. SCHELLER



SUBMITTED BY: A. TISCARENO



SCALE: AS NOTED
FILENAME: R200-L90-SWD401
CONTRACT NO.: RTA/CN 0148-18
DATE: 4/3/24

DESIGN PACKAGE: EWA
PERMIT INCORPORATION: CITY OF REDMOND
ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD STRUCTURES - GUIDEWAY WALL BALLAST WALL DETAILS 1

DRAWING NO.: L90-SWD401
FACILITY ID: L90
SHEET NO.: 72
REV:

REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

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 J. SCHELLER



SUBMITTED BY:
 A. TISCARENO



LINE IS 1" AT FULL SCALE

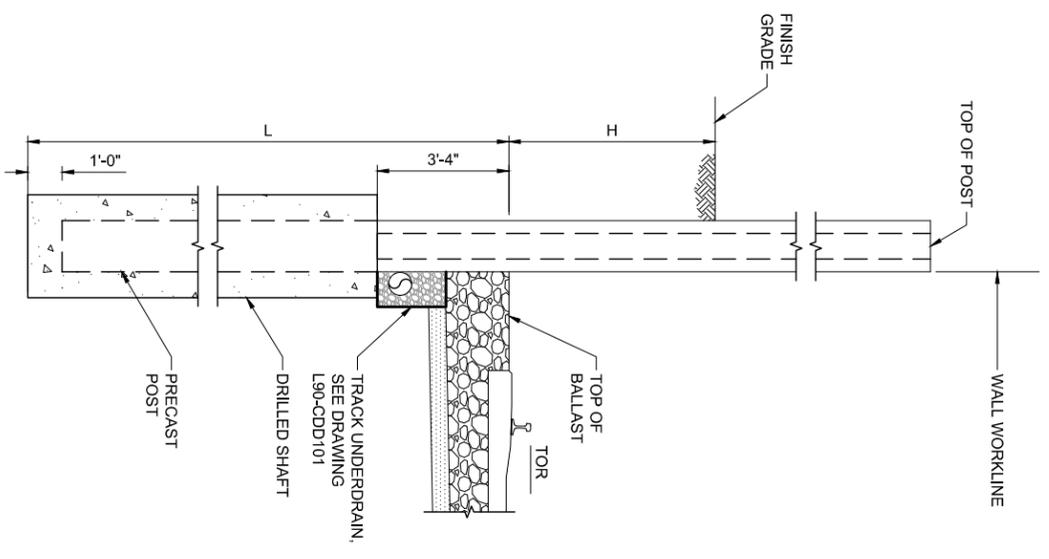


SCALE:
 AS NOTED
 FILENAME:
 R200-L90-SWD462
 CONTRACT No.:
 RTA/CN 0148-18
 DATE:
 4/3/24

DESIGN PACKAGE:
EWA
 PERMIT INFORMATION:
CITY OF REDMOND
 ALTERATION OF
 GEOLOGIC HAZARD AREA

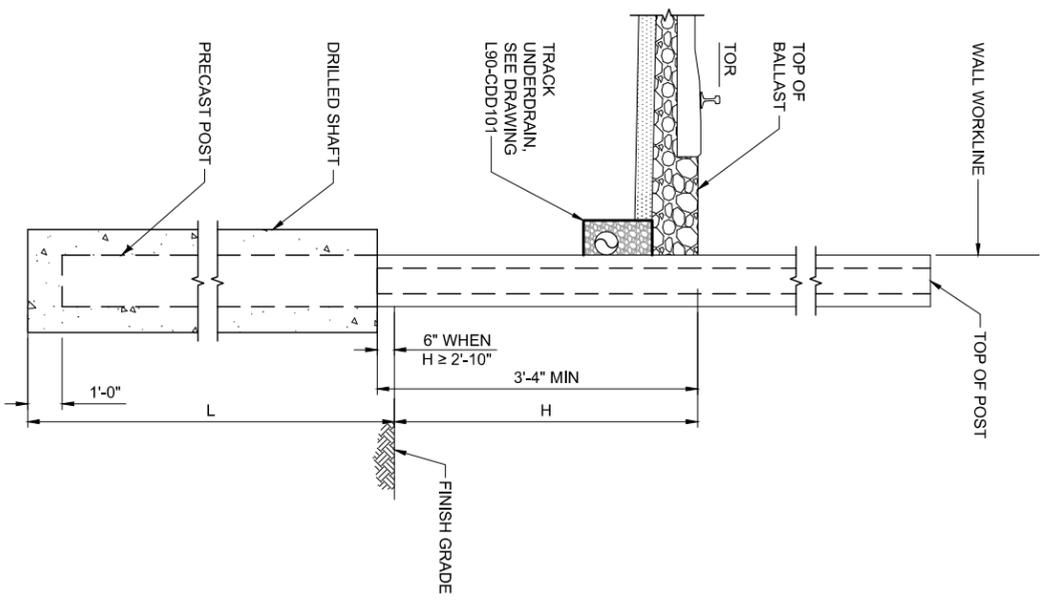
DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 STRUCTURES - GUIDEWAY WALL
 POST & PANEL NOISE WALL
 DETAILS 2

DRAWING No.:
L90-SWD462
 FACILITY ID:
 L90
 SHEET No.:
 74
 REV:

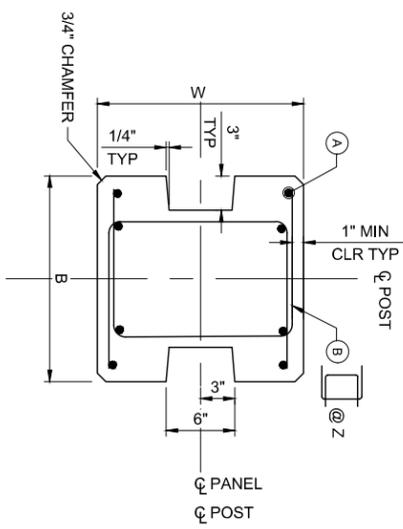


TYPICAL SECTION - CUT CONDITION
 SCALE: NTS

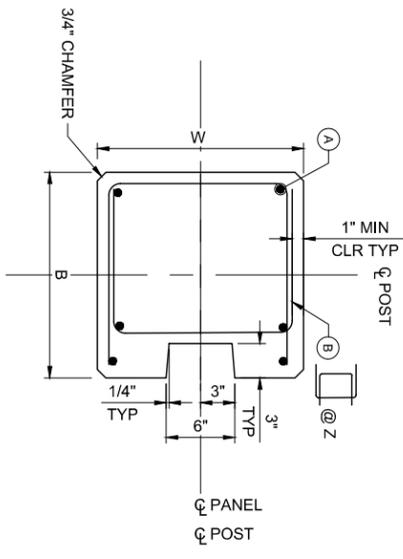
SECTION D
 SCALE: NTS
 L90-SWD461



TYPICAL SECTION - FILL CONDITION
 SCALE: NTS



TYPICAL SECTION
 SCALE: 1 1/2" = 1'-0"

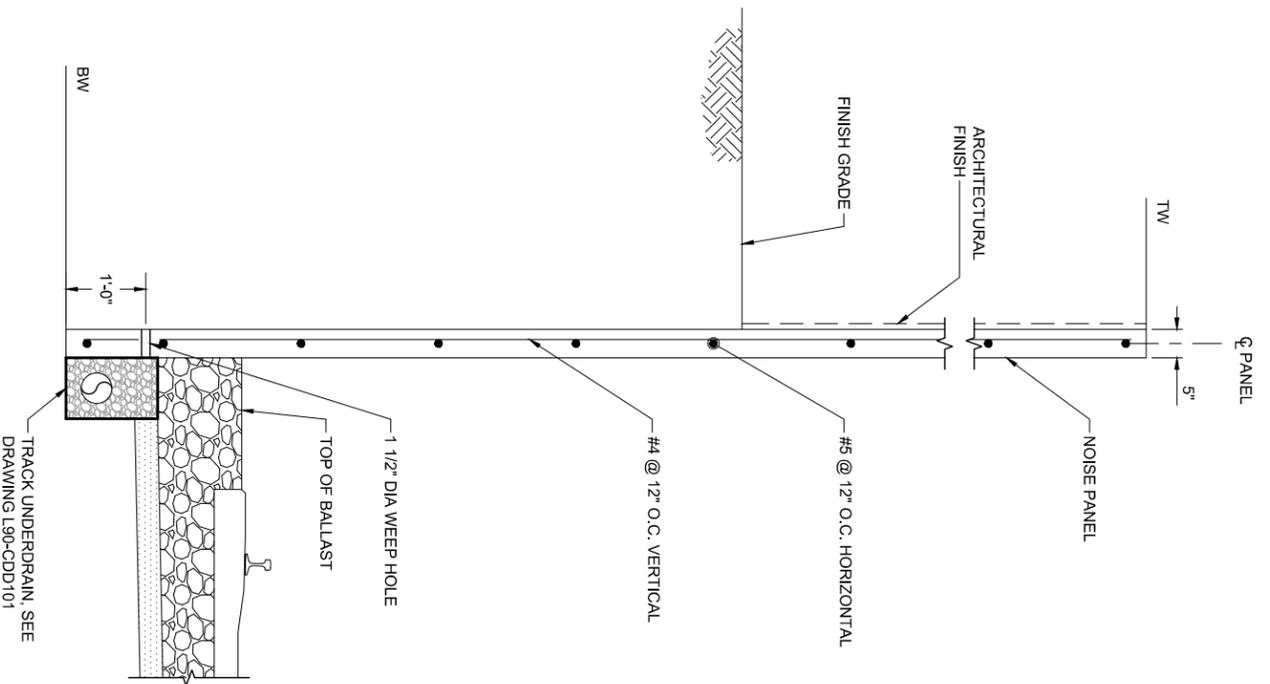


SECTION AT END POST
 SCALE: 1 1/2" = 1'-0"

CONCRETE STRENGTH, F_{CD} = 5000 PSI

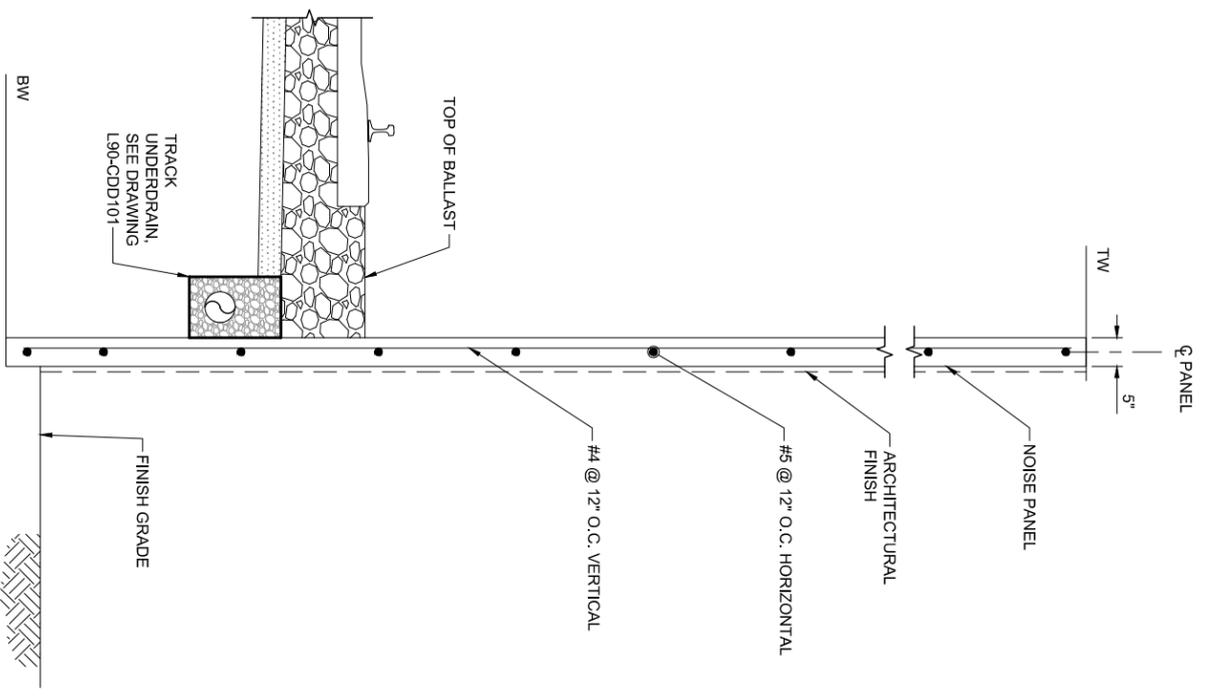
WALL SCHEDULE

DESIGN H	10'-0"
L	14'-0"
S	8'-0"
B	18"
W	18"
D	2'-6"
A	#11
B	#5
Z	8"



TYPICAL SECTION - CUT CONDITION
SCALE: NTS

SECTION E
SCALE: NTS L90-SWD461



TYPICAL SECTION - FILL CONDITION
SCALE: NTS

REDMOND CITY AGHA REVIEW
ALTERATION OF GEOLOGIC HAZARD
ISSUE FOR PERMIT

DESIGNED BY: R. PATEL
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APPROVED BY: D.C. ONG



REVIEWED BY: J. SCHELLER
CIVILTECH
Engineering

SUBMITTED BY: A. TISCARENO
SWK
Stacy and Witbeck / Kurey

LINE IS 1" AT FULL SCALE
SoundTransit

SCALE: AS NOTED
FILENAME: R200-L90-SWD463
CONTRACT No.: RTA/CN 0148-18
DATE: 4/3/20

DESIGN PACKAGE: **EWA**
PERMIT INFORMATION: **CITY OF REDMOND**
ALTERATION OF GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD STRUCTURES - GUIDEWAY WALL POST & PANEL NOISE WALL DETAILS 3

DRAWING No.: **L90-SWD463**
FACILITY ID: L90
SHEET No.: 75
REV:

GENERAL NOTES

LANDSCAPE NOTES:

- VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- SEE SURVEY FOR EXISTING CONDITIONS.
- MAINTAIN LANDSCAPE PROTECTION FENCING IN PLACE THROUGHOUT DURATION OF CONSTRUCTION.
- ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE RESIDENT ENGINEER PRIOR TO PROCEEDING W/ CONSTRUCTION.
- COORDINATE PLANT MATERIAL LOCATIONS WITH SPRINKLER IRRIGATION HEAD LOCATIONS TO AVOID ANY CONFLICTS.
- INSTALL GROUNDCOVERS IN A TRIANGULAR PATTERN AT SPACING SHOWN IN THE PLANT SCHEDULE. WHERE GROUNDCOVERS ABUT CURBS, WALLS, SIDEWALKS OR PATHS, PLANTING DISTANCE SHALL BE A MINIMUM OF 1/2 THE SPECIFIED SPACING FROM SAME, UNLESS OTHERWISE NOTED. INSTALL GROUNDCOVERS IN BETWEEN SHRUBS AND TREES, UNLESS OTHERWISE NOTED.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- FINISHED, SETTLED GRADE OF TOPSOIL IN LAWN AREAS SHALL BE 1" BELOW ADJACENT HARDSCAPE. FINISHED, SETTLED GRADE OF BARK OR WOOD CHIP MULCH SHALL BE FLUSH WITH ADJACENT HARDSCAPE, UNLESS OTHERWISE NOTED.
- MEET AND MATCH THE GRADES OF EXISTING PLANTED AREAS TO CREATE A SMOOTH TRANSITION BETWEEN EXISTING PLANTING AND NEW PLANTING AREAS.
- SEE PLANTING SCHEDULE FOR PLANT SYMBOLS. FOR ALL PLANTS IDENTIFIED WITH AN INDIVIDUAL PLANT SYMBOL, FIELD STAKE THE PLANTING LAYOUT FOR APPROVAL BY RESIDENT ENGINEER PRIOR TO PLANTING.
- WITHIN SIX (6) CALENDAR MONTHS AFTER NOTICE TO PROCEED IS PROVIDED, CONTRACTOR SHALL SUBMIT WRITTEN DOCUMENTATION TO THE RESIDENT ENGINEER THAT ALL SPECIFIED PLANT MATERIALS HAVE BEEN SECURED, SHOULD THE CONTRACTOR NEGLECT TO PROVIDE THIS DOCUMENTATION WITHIN THE ALLOCATED TIME. CONTRACTOR MAY FOREFEIT ANY OPTION TO SUBSTITUTE PLANT MATERIALS. CONTRACTOR SHALL SUBMIT SALES RECEIPTS OR OTHER DOCUMENTATION TO VERIFY PLANT MATERIAL HAS BEEN SECURED, INCLUDING THE SUPPLIER'S NAME, ADDRESS AND PHONE NUMBERS, RESPECTIVE GROWING OR STORAGE LOCATIONS WITH ADDRESSES, AND TEMPORARY STORAGE METHODS FOR PLANT MATERIAL UNTIL FINAL DELIVERY TO THE SITE.
- SUBMIT COLOR PHOTOGRAPHS OF REPRESENTATIVE SPECIMENS OF EACH TYPE OF TREE ON THE PLANT SCHEDULE FOR RESIDENT ENGINEER REVIEW AND APPROVAL PRIOR TO DELIVERY TO THE PROJECT SITE. PHOTOS SHALL BE MINIMUM 3 X 5 INCHES AND MINIMUM 150 DPI IN DIGITAL FORMAT. PHOTOGRAPHS SHALL BE TAKEN FROM AN ANGLE THAT DEPICTS THE CONDITION OF FOLIAGE, THE ROOTBALL AND THE SIZE OF EACH TYPICAL PLANT TO BE FURNISHED. A SCALE ROD, CALIPER MEASUREMENT OR OTHER MEASURING DEVICE SHALL BE INCLUDED IN THE PHOTOGRAPH, FOR SPECIES WHERE MORE THAN TWENTY (20) PLANTS ARE REQUIRED. INCLUDE A MINIMUM OF THREE (3) PHOTOS THAT SHOW THE AVERAGE PLANT, THE BEST QUALITY PLANT, AND THE WORST QUALITY PLANT TO BE PROVIDED. LABEL EACH PHOTOGRAPH WITH THE PLANT NAME, PLANT SIZE, AND NAME OF THE GROWING NURSERY. APPROVAL OF THE TREE FOR DELIVERY TO THE SITE DOES NOT GARANTTEE FINAL ACCEPTANCE OF THE PLANT MATERIAL. THE RESIDENT ENGINEER RESERVES THE RIGHT TO REJECT ANY OR ALL PLANT MATERIAL AT ANY TIME UNTIL FINAL ACCEPTANCE.
- COORDINATE WITH RESIDENT ENGINEER TO SCHEDULE INITIAL INSPECTION OF PLANT MATERIAL ONCE IT IS DELIVERED. THIS INSPECTION WILL INCLUDE REVIEW FOR OVERALL PLANT HEALTH, GOOD BRANCH STRUCTURE, AND APPROPRIATE ROOT STRUCTURE. CONTRACTOR SHALL ASSIST RESIDENT ENGINEER IN EXCAVATING A REPRESENTATIVE ROOT BALL OF EACH TREE SPECIES PER SOURCE (NURSERY), WHICH MAY INCLUDE REMOVAL OF SOIL WITH WATER. THE RESIDENT ENGINEER MAY REJECT TREES BASED ON POOR QUALITY OF ROOT OR BRANCH STRUCTURE, OR THEY MAY REQUIRE CONTRACTOR TO DO CORRECTIVE PRUNING, AT THE RESIDENT ENGINEER'S DISCRETION.

PLANT MATERIAL SETBACK CHART

	GUARDRAIL BARRIER	EDGE OF ROADWAY	WALL	INTERSECTION	DRIVEWAY	FENCE	SIGN	EXISTING TREE, TRUNK	EXISTING VEGETATION MASS	LIGHT POLE	OVERHEAD POWER	DRAINAGE STRUCTURE	DRAINAGE ACCESS ROAD	UNDERGROUND SEWER/WATER LINE	UNDERGROUND GAS LINE	UNDERGROUND HIGH-PRESSURE GAS LINE
GROUNDCOVER	5'	5'	1.5'	-	-	1.5'	1.5'	5'	5'	1.5'	-	5'	5'	-	-	-
SMALL SHRUB (< 3 FT TALL)	5'	5'	3'	-	-	3'	6'	10'	10'	3'	-	10'	10'	-	-	-
MEDIUM SHRUB (3-5 FT TALL)	5'	15'	5'	-	-	3'	6'	10'	10'	5'	-	15'	15'	-	-	-
TALL SHRUB (5-12 FT TALL)	10'	20'	10'	15'	-	5'	6'	10'	10'	5'	-	15'	15'	-	-	-
DECIDUOUS TREE	10'	30'	20'	30'	10'	10'	15'	20'	10'	20'	20'	15'	15'	8'	1'	3'
EVERGREEN TREE	10'	30'	20'		10'	10'	15'	20'	10'	20'	30'	15'	15'	8'	1'	3'
BIG LEAF MAPLE, RED ALDER, BLACK COTTONWOOD	100'	100'	20'		20'	20'	100'	20'	10'	20'	100'	100'	100'	8'	1'	3'

SETBACK NOTES:

- THE SETBACKS ABOVE ARE MINIMUM SETBACKS FROM CENTER OF PLANT MATERIAL (TRUNK OR STEM) TO FEATURE LISTED IN EACH COLUMN.
- IN AREAS WHERE SMALL SHRUBS AND GROUNDCOVERS ARE SHOWN ON PLANTING PLAN, BUT THEY CANNOT BE PLANTED WITH REQUIRED SETBACKS, A MIN ONE ROW OF PLANTS SHALL BE PLANTED AT THE SPECIFIED SPACING CENTERED IN THE MIDDLE OF PLANTING AREA.
- TREE LOCATIONS SHOWN ON PLANTING PLANS ARE APPROXIMATE. IF FIELD ADJUSTMENTS ARE NECESSARY, THE SETBACKS ABOVE SHALL APPLY.

IRRIGATION NOTES:

- SEE PLANTING SCHEDULE FOR IRRIGATION REQUIREMENTS FOR EACH AHJ.
- SEE COMPOSITE WET UTILITY PLANS FOR IRRIGATION WATER METER LOCATIONS FOR EACH AHJ.

TREE MITIGATION AND REPLACEMENT PER AHJ NOTES:

- SEE L90-CXP DWGS FOR TREE PROTECTION, APPROXIMATE QUANTITY OF TREES TO BE REMOVED, AND EXISTING VEGETATION TO REMAIN.
- PLANTING/RESTORATION LIMITS EQUALS LIMITS OF DEMOLITION. SEE L90-CXP SHEETS FOR LIMITS OF DEMOLITION AND REMOVAL SURFACE FEATURES.
- SEE L90-CXP SHEETS FOR DEMOLITION AND REMOVAL SURFACE FEATURES FOR APPROXIMATE QUANTITY OF TREES TO BE REMOVED AND TREE PROTECTION.
- SEE L90-CST SHEETS FOR WSDOT & COR CLEAR ZONE AND SIGHTLINES.
- VEGETATION WILL BE COORDINATED W/ TPSS BLANK WALLS TO PROVIDE A VISUAL SCREEN FROM PUBLIC VIEW.

PLANTING DESIGN NARRATIVE:

PLANTING DESIGN FOR CORRIDOR WILL RESTORE ALL PLANTING AREAS DISTURBED BY CONSTRUCTION. PLANTS WILL BE SELECTED TO MEET AHJ LANDSCAPE REQUIREMENTS.

IRRIGATION DESIGN NARRATIVE:

SEE PLANTING PLANS AND PLANT SCHEDULE FOR LIMITS OF IRRIGATION AND AHJ. SEE PLANT SCHEDULE FOR IRRIGATION EQUIPMENT REQUIREMENTS. SEE PLANTING PLANS FOR IRRIGATION METER AND BACKFLOW PREVENTER SIZE AND LOCATION.

REDMOND CITY AGHA REVIEW ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

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D. KOONTS
APPROVED BY:
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REVIEWED BY:
J. SCHELLER



SUBMITTED BY:
A. TISCARENO



SCALE:
NTS
FILENAME:
R200-L90-LZN001
CONTRACT NO.:
RTA/CN 0148-18
DATE:
12/20/2019

DESIGN PACKAGE:
PERMIT INFORMATION:
CITY OF REDMOND
ALTERATION OF
GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
CONTRACT R200
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
CORRIDOR - LANDSCAPE
GENERAL NOTES

DRAWING NO.:
L90-LZN001
FACILITY ID:
L90
SHEET NO.:
76
REV.:

CORRIDOR PLANT SCHEDULE

SYM	QTY	BOTANICAL NAME	COMMON NAME	REPLACEMENT TREES	SIZE / REMARKS	SYM	JURISDICTION	SYM	JURISDICTION
WSDOT AREAS									
57		ACER CIRCINATUM	VINE MAPLE		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT				
17		ACER PLANTANOIDES 'EMERALD QUEEN'	EMERALD QUEEN MAPLE		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT				
16		ACER TRUNCATUM X A. PLANTANOIDES 'WARRENRED'	PACIFIC SUNSET MAPLE		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT				
126		CALOCEDRUS DECURRENS	INCENSE CEDAR		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT				
165		CORYLUS CORNUTA	WESTERN BEAKED HAZELNUT		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; SYMMETRICAL BRANCHING HABIT				
171		MYRICA CALIFORNICA	PACIFIC WAX MYRTLE		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
78		PINUS CONTORTA VAR. CONTORTA	SHORE PINE		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
124		PSEUDOTSUGA MENZIESII	DOUGLAS FIR		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
113		THUJA PLICATA	WESTERN RED CEDAR		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
188		THUJA PLICATA 'EXCELSA'	EXCELSA CEDAR		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
217		THUJA PLICATA 'HOGAN'	HOGAN CEDAR		5 GAL: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
KING COUNTY/ MARYMOOR PARK AREAS									
93		PINUS CONTORTA VAR. CONTORTA	SHORE PINE		6' HT: B&B: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
75		PSEUDOTSUGA MENZIESII	DOUGLAS FIR		6' HT: B&B: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
70		THUJA PLICATA	WESTERN RED CEDAR		6' HT: B&B: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT; NOT SHEARED				
24		ACER CIRCINATUM	VINE MAPLE		7' HT: B&B: FULL, WELL BRANCHED & WELL ROOTED; MULTI-TRUNK; SYMMETRICAL BRANCHING HABIT				
19		POPULUS TREMULOIDES	QUAKING ASPEN		3' CAL: B&B: FULL, WELL BRANCHED & WELL ROOTED; STRAIGHT CENTRAL LEADER & SINGLE TRUNK; SYMMETRICAL BRANCHING HABIT				
STATION TREES									
SEE PLANT SCHEDULE ON DWG E31-LPS100									
SEE PLANT SCHEDULE ON DWG E29-LPS100									
SEE PLANT SCHEDULE ON DWG E29-LPS100									
WSDOT									
					PLANTING - LESS STEEP THAN 3:1 SLOPE: 1. 10' WIDTH HYDROSEED ADJACENT TO HIGHWAY PAVEMENT EDGE 2. 5 GALLON CONTAINER TREES WITH HYDROSEED, BEYOND 10' HYDROSEED EDGE TREES SPACED 12'-20' ON CENTER WITH 4" DIAMETER MULCH RING PLANTING - STEEPER THAN 3:1 SLOPE: 1. 10' WIDTH HYDROSEED ADJACENT TO HIGHWAY PAVEMENT EDGE 2. MIXTURE OF 5 GALLON CONTAINER TREES (SPACED 8'-12' ON CENTER) WITH 1 GALLON SHRUBS (SPACED 3'-4' ON CENTER) SOIL PREPARATION: 1. DECOMPACT EXISTING SOIL TO 18" DEPTH 2. 4" DEPTH COMPOST SCARIFIED TO 18" DEPTH WITH 2" DEPTH COMPOST TOP DRESSING 3. WHERE NATIVE TOPSOIL REMAINS, INSTALL 4" DEPTH COMPOST AND SCARIFY TO 10" DEPTH 4. 4" DEPTH BARK OR WOOD CHIP MULCH AT TREE MULCH RING IRRIGATION: 1. TEMPORARY AUTOMATIC IRRIGATION REQUIRED FOR ALL TREE AND SHRUB PLANTING AREAS 2. BATTERY OPERATED CONTROL VALVES				
					WSDOT TREE MITIGATION ESTIMATE (REPLACEMENT TREES): 1. APPROXIMATE QUANTITY OF TREES TO BE REMOVED (PER V3-04.10 DRLE TREE MITIGATION REPORT) 1.1. LOW ESTIMATE 1,025 1.2. HIGH ESTIMATE 1,069 1.3. APPROXIMATE QUANTITY OF REPLACEMENT TREES (PER V3-04.10 DRLE TREE MITIGATION REPORT) 1.4. LOW ESTIMATE 1,278 1.5. HIGH ESTIMATE 1,379 2. PROPOSED WSDOT TREE QTY 1,272 2.1. ON SITE 3. REPLACEMENT TREES PER V3-04.10 DRLE TREE MITIGATION REPORT. 4. RESTORE THIRD PARTY PLANTING AREAS AND IRRIGATION SYSTEMS TO PRECONSTRUCTION CONDITION PER PROPERTY COMMITMENT MATRIX (S.13, 4.3.5)				
					RIP-RAP/ROCK MULCH INSTALL UNDER GUIDEWAY IN LOCATIONS WHERE GUIDEWAY IS <25' HEIGHT				
					SEE E29-LPS100 AND E31-LPS100 FOR CITY OF REDMOND PLANT SCHEDULE AROUND STATIONS SEE REDMOND CENTRAL CONNECTOR TRAIL DESIGN GUIDANCE PLANS (V3-01.05.10) FOR PLANTING REQUIREMENTS				
					SOUND TRANSIT STATION/GARAGE SEE E29-LPS100 AND E31-LPS100 FOR SOUND TRANSIT PLANT SCHEDULE AT STATIONS AND GARAGE				
					INFILTRATION POND BIORETENTION CELLS AND SWALES SEE STATION SCHEDULES E31-LPS100 AND E29-LPS100				
					NOTE: SEE DWG L90-LZND001 FOR TREE AND PLANT MATERIAL SETBACK CHART. LANDSCAPE NOTES, IRRIGATION NOTES, TREE MITIGATION AND REPLACEMENT PER ANY NOTES, AND SETBACK NOTES.				
					KING COUNTY TREE MITIGATION (REPLACEMENT TREES): 1. APPROXIMATE QUANTITY OF TREES TO BE REMOVED (PER V3-04.10 DRLE TREE MITIGATION REPORT) 1.1. LOW ESTIMATE 139 1.2. HIGH ESTIMATE 245 2. APPROXIMATE QUANTITY OF REPLACEMENT TREES (PER V3-04.10 DRLE TREE MITIGATION REPORT) (3" CALIPER TREES) 2.1. LOW ESTIMATE 246 2.2. HIGH ESTIMATE 348 3. PROPOSED KING COUNTY TREE QTY 3.1. MARYMOOR PARK 101 3.2. KC TRAIL 181 TOTAL 282 4. REPLACEMENT TREES PER V3-04.10 DRLE TREE MITIGATION REPORT.				
					MARYMOOR PARK PLANTING (PER S.13, 4.3.3): 1. TREE REPLACEMENT PLANTING REQUIRED PER VOLUME 3-04, KING COUNTY TREE MITIGATION 2. EXISTING SHRUB AND GROUND COVER AREAS MUST BE RESTORED TO PRE-CONSTRUCTION CONDITION (PER S.13, 4.3.3) SOIL PREPARATION 1. INSTALL 3" DEPTH COMPOST AND SCARIFY TO 12" DEPTH 2. 4" DEPTH WOOD CHIP MULCH IRRIGATION (PER S.13, 4.2.1) 1. COORDINATE WITH EXISTING PARK IRRIGATION SYSTEM- MAY BE PERMANENT OR TEMPORARY DEPENDING ON PROXIMITY TO EXISTING SYSTEM AND TYPE OF PLANTING				
					EAST LAKE SAMMAMISH TRAIL (PER V3-01.06.01 ELST NORTH EXTENSION) TREE SIZE 1. 3" CALIPER TREES PLANTING 1. 5' WIDTH HYDROSEED ADJACENT TO TRAIL EXCEPT AT SOUTHEAST STATION WHERE LANDSCAPE SCREENING IS REQUIRED 2. PLANTIN 5'-12" FROM TRAIL OFFSET - SHRUBS (1 GALLON CONTAINER @ 4' ON CENTER) WITH GROUND COVERS (1 GALLON CONTAINER @ 24" ON CENTER) 3. PLANTING >12" TRAIL OFFSET - TREES 6'-8" HEIGHT @ 8'-10' ON CENTER WITH SHRUBS (1 GALLON CONTAINER 4' ON CENTER) SOIL PREPARATION 1. SCARIFY SUBGRADES TO AN 18" DEPTH 2. INSTALL 3" DEPTH COMPOST AND SCARIFY TO 12" DEPTH 3. 4" DEPTH WOOD CHIP MULCH IRRIGATION (PER S.13, 4.2.1) 1. MUST BE COORDINATED WITH EXISTING TRAIL IRRIGATION SYSTEM- MAY BE PERMANENT OR TEMPORARY DEPENDING ON PROXIMITY TO EXISTING SYSTEM AND TYPE OF PLANTING				

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

DESIGNED BY: J. HOWARD
 DRAWN BY: M. WALTON
 CHECKED BY: D. KOONTS
 APPROVED BY: J. YONG



REVIEWED BY: J. SCHELLER



SUBMITTED BY: A. TISCARENO




SCALE: NTS
 FILENAME: R200-L90-LPS100
 CONTRACT NO.: RT/ACN 0148-18
 DATE: 12/20/2019

DESIGN PACKAGE: PERMIT INCORPORATION:
 CITY OF REDMOND
 ALTERATION OF GEOLOGIC HAZARD AREA

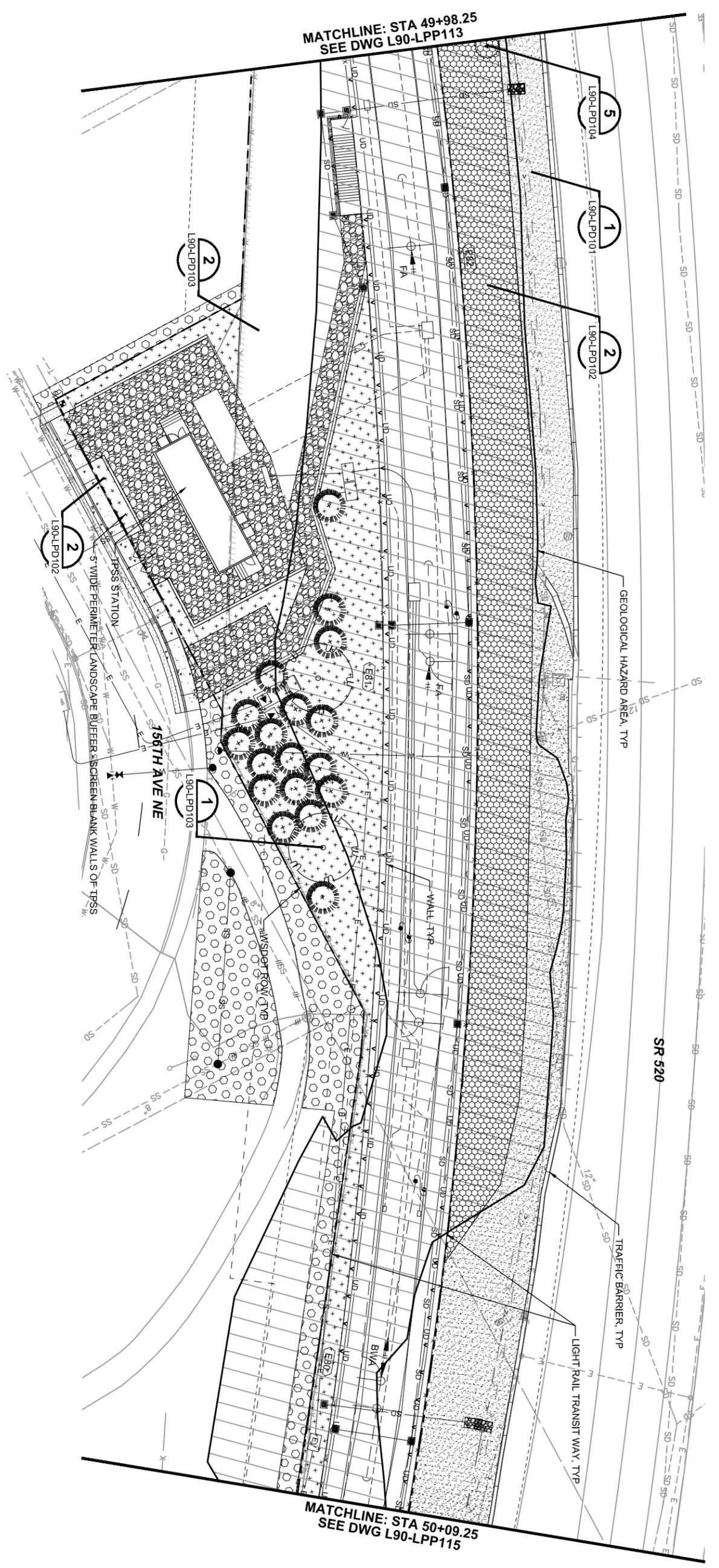
DRAWING NO.: L90-LPS100
 FACILITY ID: L90
 SHEET NO.: 77

DOWNTOWN REDMOND LINK EXTENSION

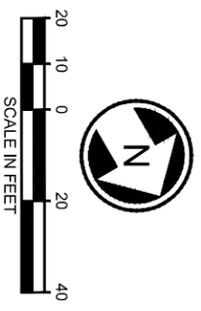
CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD CORRIDOR - LANDSCAPE PLANT SCHEDULE & NOTES

CONTRACT R200

Xref: K:\200-182\234
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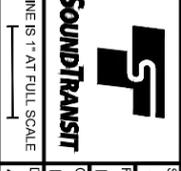
- NOTE:**
- REFER TO GEN-GZK120 AND GEN-GZK121 FOR KEY LAYOUT OF SHEETS.



REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD ISSUE FOR PERMIT

DESIGNED BY:
J. HOWARD
 DRAWN BY:
M. WALTON
 CHECKED BY:
D. KOONTS
 APPROVED BY:
J. YONG



SCALE:
1" = 20'
 FILENAME:
R200-L90-LPP114
 CONTRACT NO.:
RTA/CN 0148-18
 DATE:
4/3/98

DESIGN PACKAGE:
PERMIT INFORMATION:
CITY OF REDMOND
ALTERATION OF
GEOLOGIC HAZARD AREA

DOWNTOWN REDMOND LINK EXTENSION
 CONTRACT R200
 CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD
 CORRIDOR - LANDSCAPE
 PLANTING PLAN
 STA 5059+50 TO 5064+75

DRAWING NO.:
L90-LPP114
 FACILITY ID:
E28
 SHEET NO.:
80
 REV:

SOUTH EAST STATION PLANT SCHEDULE

SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE / REMARKS	SYM	JURISDICTION
REPLACEMENT TREES						
	27	STYRAX JAPONICA	JAPANESE SNOWBELL	3" CAL. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
	39	AMELANCHIER GRANDIFLORA / PRINCESS DIANA	PRINCESS DIANA SERVICEBERRY	3" CAL. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
	6	ACER CIRCINATUM	VINE MAPLE	3" CAL. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
	51	THUJA PLUCATA	WESTERN RED CEDAR	10' HT. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
	150	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6' HT. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
	13	CITY OF REDMOND STREET TREE		2 1/2" CAL. B&B: FULL, WELL BRANCHED & WELL ROOTED. STRAIGHT CENTRAL LEADER & SINGLE TRUNK. SYMMETRICAL BRANCHING HABIT. NOT SHEARED		
SHRUBS/GROUNDCOVER						

SYM	JURISDICTION	SHRUBS/GROUNDCOVER
	INFILTRATION POND:	
	PLANTING	
	1. POND BOTTOM PLANTING TO BE BARE ROOT WETLAND PLANTS AT 12" ON CENTER	
	SOIL PREPARATION:	
	1. PER STORMWATER MANUAL REQUIREMENTS	
	IRRIGATION	
	1. SEE PLANTING SCHEDULE FOR AHJ IRRIGATION REQUIREMENTS	
	BOULDER	
	GABION WALL	
	BIORETENTION CELLS & SWALES:	
	PLANTING	
	1. 1 GALLON CONTAINER GROUNDCOVER AT 24" ON CENTER	
	2. 2 GALLON CONTAINER SHRUBS AT 36" ON CENTER	
	3. 100% OF PLANTS INSTALLED TO BE NORTHWEST ADAPTIVE OR NATIVE	
	SOIL PREPARATION	
	1. PER STORMWATER MANUAL REQUIREMENT	
	IRRIGATION	
	1. SEE PLANT SCHEDULE FOR AHJ IRRIGATION REQUIREMENT	
	RIP-RAP/ROCK MULCH	
	INSTALL UNDER GUIDEWAY IN LOCATIONS WHERE GUIDEWAY IS <25' HEIGHT	
	HYDROSEED AT FUTURE DEVELOPMENT SITES	
	THIRD PARTY PLANTING AREAS	
	WSDOT PLANTING AREAS	
	KING COUNTY PLANTING AREAS	
	SEE L90-L-PS100 FOR: WSDOT, KING COUNTY, THIRD PARTY PLANTING, AND FUTURE DEVELOPMENT HYDROSEED PLANT SCHEDULES	
	CITY OF REDMOND TREE MITIGATION PLAN ESTIMATE (REPLACEMENT TREES):	
	1. APPROXIMATE QUANTITY OF TREES TO BE REMOVED (PER V3-01, 01.05 COR TREE MITIGATION PLAN, APPENDIX A)	286
	1.1. LOW ESTIMATE	944
	1.2. HIGH ESTIMATE	1,253
	2. APPROXIMATE QUANTITY OF REPLACEMENT TREES (PER V3-01, 01.05 COR TREE MITIGATION PLAN, APPENDIX A) (3" CALIPER TREES)	721
	2.1. LOW ESTIMATE	1,203
	2.2. HIGH ESTIMATE	1,203
	3. PROPOSED CITY OF REDMOND TREE QTY'S	286
	3.1. SOUTHEAST STATION	78
	3.2. DOWNTOWN STATION	116
	3.3. CORRIDOR	449
	OFFSITE TREES PLANTED AT 15' OC	125
	3.4. COSTELLO PROPERTY (2-3 ACRES)	112
	3.5. ARTHUR JOHNSON PARK (>1 ACRE)	125
	3.6. SE REDMOND PARK (.5 ACRE)	112
	3.7. SE REDMOND TRAIL (.5 ACRE)	125
	3.8. VIEWPOINT OPEN SPACE (>1 ACRE)	125
	3.9. CONRAD-OLSEN PARK (<1 ACRE)	1528
	TOTAL TREES	1528
	NOTE:	
	1. SEE DWG R200-L90-L2N001 FOR TREE AND PLANT MATERIAL SETBACK CHART, LANDSCAPE NOTES, IRRIGATION NOTES, TREE MITIGATION AND REPLACEMENT PER ANY NOTES, AND SETBACK NOTES.	
	2. SEE DWG E29-LPD101 FOR CITY OF REDMOND CODE SUMMARY.	
	3. REPLACEMENT TREES PER RZC 21.72.080 AND V3-04.10 DRLE TREE MITIGATION REPORT.	

REDMOND CITY AGHA REVIEW

ALTERATION OF GEOLOGIC HAZARD

ISSUE FOR PERMIT

DESIGNED BY: J. YONG

DRAWN BY: M. WALTON

CHECKED BY: D. KOONTS

APPROVED BY: J. YONG



REVIEWED BY: J. SCHELLER



LANDSCAPE ARCHITECTURE

SCOTTIE WA 98108

206.835.1234



SUBMITTED BY: A. TISCARENO



LINE IS 1" AT FULL SCALE

SCALE: NTS

FILENAME: R200-E29-LPS100

CONTRACT NO.: RTA/CN 0148-18

DATE: 12/20/2019

DESIGN PACKAGE: PERMIT INFORMATION:

CITY OF REDMOND

ALTERATION OF GEOLOGIC HAZARD

DOWNTOWN REDMOND LINK EXTENSION

CITY OF REDMOND ALTERATION OF GEOLOGIC HAZARD

CONTRACT R200

DRAWING NO.: E29-LPS100

FACILITY ID: E29

SHEET NO.: 83

REV:

