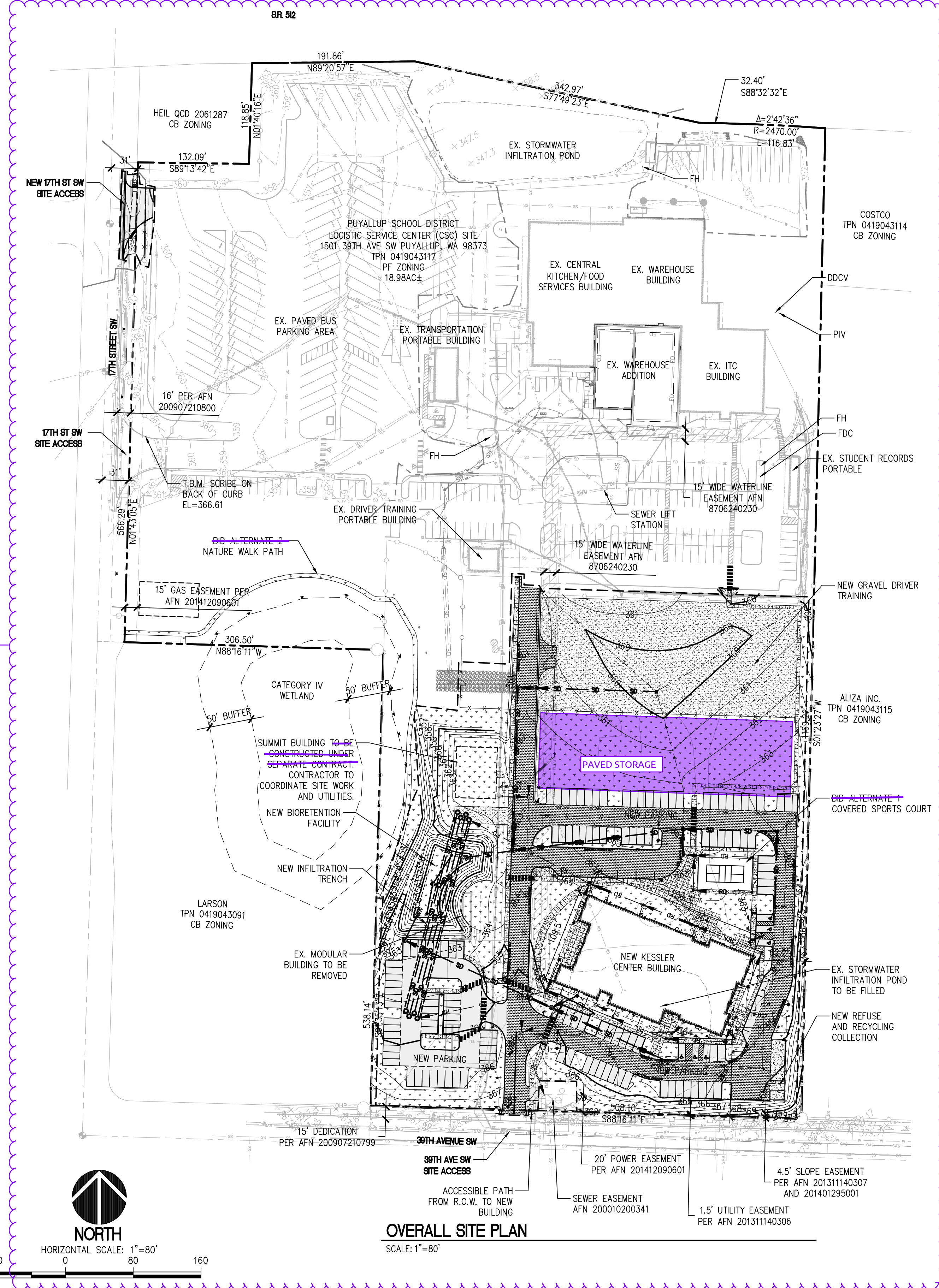


A PORTION OF THE SW 1/4 OF THE SW 1/4 OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 4 EAST,  
W.M. PIERCE COUNTY WASHINGTON



OVERALL SITE PLAN  
SCALE: 1"=80'

**HORIZONTAL DATUM**  
WASHINGTON STATE PLAN COORDINATE SYSTEM, SOUTH ZONE, NAD 83/2011  
BASED ON GPS OBSERVATION UTILIZING THE WASHINGTON STATE REFERENCE NETWORK (WSRN)

**VERTICAL DATUM**  
NAVD 88  
BASED ON GPS OBSERVATION UTILIZING THE WSRN WITH NGS GEOD2012B LOADED

SITE TEMPORARY BENCHMARK ELEVATION = 366.61  
DESCRIPTION: SCRIBE ON BACK OF CURB  
TO CONVERT TO NGVD29 DATUM, SUBTRACT 3.51 FROM ALL ELEVATION VALUES  
MEASURED PUYALLUP PUBLISHED BENCHMARK "SW 31-09" NGVD 29 ELEVATION = 350.52

**SITE DATA**  
TAX PARCEL NO. 0419043117  
ADDRESS: 1501 39TH AVE S.W.  
LAND AREA: 18.35± ACRES

**ZONING INFORMATION**  
PF PUBLIC FACILITIES

**PARKING**  
NEW COMPACT STALLS: 27  
NEW ADA STALLS: 6 (2 VAN)  
TOTAL NEW STALLS: 141

**SURFACE COVERAGE**  
IMPERVIOUS AREA: 538,776 SQ. FT. (67%)  
LANDSCAPE AREA: 260,834 SQ. FT. (33%)  
TOTAL SITE AREA: 799,610 SQ. FT.

**CIVIL DRAWING INDEX**

C0.1 1 OF 33	OVERALL SITE PLAN	C3.6 21 OF 33	GRADING AND DRAINAGE DETAILS
C0.2 2 OF 33	PROJECT ABBREVIATIONS AND NOTES	C3.7 22 OF 33	GRADING AND DRAINAGE DETAILS
C0.3 3 OF 33	CITY OF PUYALLUP STANDARD NOTES	C3.8 23 OF 33	GRADING AND DRAINAGE DETAILS
C1.1 4 OF 33	DEMOLITION AND EROSION CONTROL PLAN - STAGE A	C4.1 24 OF 33	WATER UTILITY PLAN
C1.2 5 OF 33	DEMOLITION AND EROSION CONTROL PLAN - STAGE A	C4.2 25 OF 33	WATER UTILITY DETAILS
C1.3 6 OF 33	DEMOLITION AND EROSION CONTROL PLAN - STAGE A	C4.3 26 OF 33	WATER UTILITY DETAILS
C1.4 7 OF 33	DEMOLITION AND EROSION CONTROL PLAN - STAGE B	C4.4 27 OF 33	WATER UTILITY DETAILS AND NOTES
C1.5 8 OF 33	EROSION CONTROL DETAILS	C4.5 28 OF 33	ENLARGED UTILITY PLAN
C2.1 9 OF 33	SURFACING PLAN	C5.1 29 OF 33	SANITARY SEWER UTILITY PLAN
C2.2 10 OF 33	SURFACING PLAN	C5.2 30 OF 33	SANITARY SEWER PROFILES
C2.3 11 OF 33	SURFACING PLAN	C5.3 31 OF 33	SANITARY SEWER UTILITY DETAILS AND NOTES
C2.4 12 OF 33	SURFACING DETAILS	C5.4 32 OF 33	SANITARY SEWER UTILITY DETAILS AND NOTES
C2.5 13 OF 33	SURFACING DETAILS	C6.1 33 OF 33	SUMMIT BUILDING GRADING AND DRAINAGE PLAN
C2.6 14 OF 33	SURFACING DETAILS		
C2.7 15 OF 33	NO PARKING SIGN PLACEMENT PLAN		
C3.1 16 OF 33	GRADING AND DRAINAGE PLAN		
C3.2 17 OF 33	GRADING AND DRAINAGE PLAN		
C3.3 18 OF 33	GRADING AND DRAINAGE PLAN		
C3.4 19 OF 33	CURB RAMP ENLARGEMENTS		
C3.5 20 OF 33	SITE SECTIONS AND ENLARGEMENTS		

**LEGAL DESCRIPTION**

THE LAND IN THE COUNTY OF PIERCE, STATE OF WASHINGTON, BEING THE WEST HALF OF THE SOUTHWEST QUARTER OF THE WEST HALF OF THE EAST HALF OF THE SOUTHWEST QUARTER OF SECTION 4, TOWNSHIP 19 NORTH, RANGE 4 EAST, WILLAMETTE MERIDIAN;

EXCEPT THE FOLLOWING DESCRIBED PROPERTY BEGINNING 30 FEET NORTH AND 15 FEET EAST OF THE POINT OF BEGINNING;  
THENCE NORTH 553.14 FEET;  
THENCE EAST 315 FEET;  
THENCE SOUTH 553.14 FEET;  
THENCE WEST 315 FEET TO THE POINT OF BEGINNING;

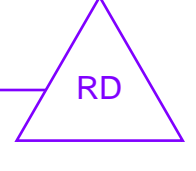
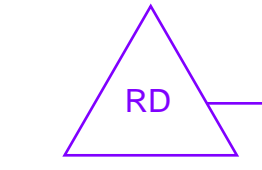
ALSO EXCEPT THE FOLLOWING DESCRIBED PROPERTY BEGINNING AT THE SOUTHWEST CORNER OF THE 1148.90 FEET TO THE TRUE POINT OF BEGINNING;  
THENCE NORTH 89°07'39" EAST A DISTANCE OF 1148.90 FEET TO THE POINT OF BEGINNING;  
THENCE NORTH 0°04'25" EAST A DISTANCE OF 1148.90 FEET TO THE POINT OF BEGINNING;  
THENCE SOUTH 89°07'39" WEST A DISTANCE OF 1148.90 FEET TO THE POINT OF BEGINNING;  
EXCEPT 86TH AVENUE EAST RESERVED FOR COUNTY ROAD (ALSO KNOWN AS 17TH STREET S.W.);

ALSO EXCEPT THAT PORTION THEREOF CONVEYED TO THE STATE OF WASHINGTON BY INSTRUMENTS RECORDED UNDER RECORDING NUMBERS 2227151, 2239840, 9407070774 AND 9407070775;  
ALSO EXCEPT THE SOUTHERLY 30 FEET THEREOF FOR 39TH AVENUE S.W. (ALSO KNOWN AS 112TH STREET EAST);  
SITUATE IN THE CITY OF PUYALLUP, COUNTY OF PIERCE, STATE OF WASHINGTON.

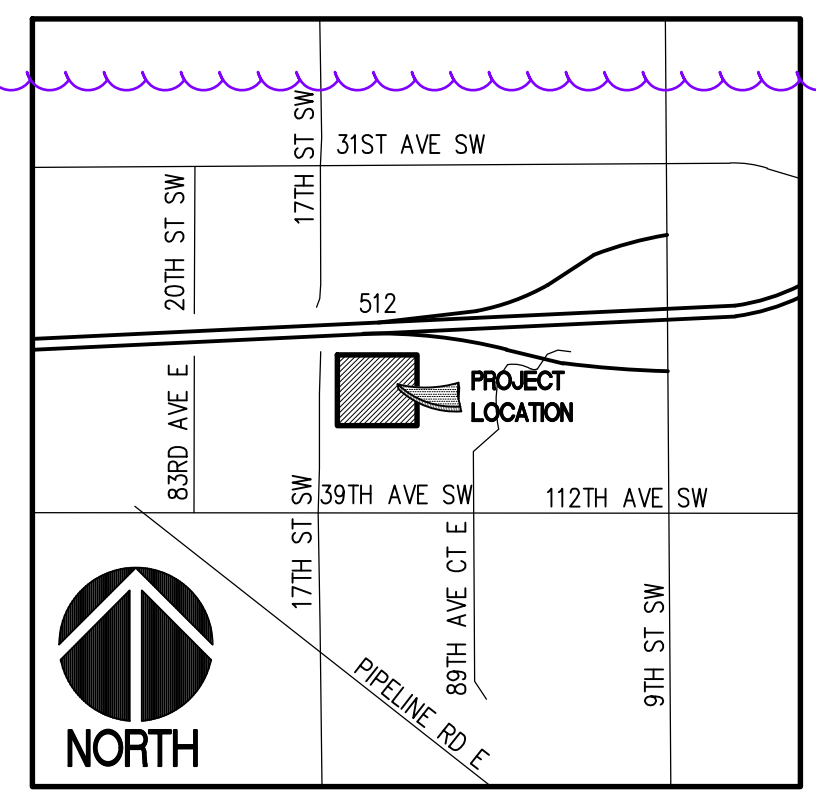
**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

APPROVED  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig



**PROJECT LOCATION**  
1501 39TH AVE SW, PUYALLUP, WA 98373



VICINITY MAP  
SCALE: 1" = 1000'

**SITTS & HILL ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**  
SEAL  
RICHARD C. HAND  
STATE OF WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
LICENSE NO. 24780  
EXPIRES 06/30/2020

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: OVERALL SITE PLAN

**BCRA**  
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SHEET: CIVIL 01 OF 32

**C0.1**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**GENERAL ABBREVIATIONS**

AGP	ASBESTOS CEMENT PIPE	MAX	MAXIMUM
ABND	ABANDON	MIN	MINIMUM
ADA	AMERICAN DISABILITIES ACT	MIP	MALE IRON PIPE THREAD
ALT	ALTERNATE	MISC	MISCELLANEOUS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIAL	MON	MONUMENT
&	AND	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
APPROX	APPROXIMATE	N	NORTH
ARCH'L	ARCHITECTURAL	NE	NORTHEAST
ASPH	ASPHALT	NC	NORMALLY CLOSED
AC	ASPHALTIC CONCRETE	NTS	NOT TO SCALE
AT	AVERAGE	N.I.C.	NOT IN CONTRACT
AUX	AUXILIARY	NO.	NUMBER
AVG	AVERAGE	NW	NORTHWEST
ADS	HDPE STORM PIPING TRADE NAME	O.C.	ON CENTER
BC	BOTTOM CURB, BACK CURB	OHP	OVERHEAD POWER
B.M.	BENCH MARK	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
BMP	BEST MANAGEMENT PRACTICE	OT	OPEN TRENCH
BET	BETWEEN	P	PANEL, POLE, POWER
BITUM	BITUMINOUS	%	PERCENT
BTM	BOTTOM OF STRUCTURE	PP	POWER POLE
BP	BURIED POWER	PP	POLYPROPYLENE PIPE
BW	BOTTOM WALL	PAV	PAVEMENT
BR	BOTTOM RAMP	PCC	PORTLAND CEMENT CONCRETE
C	CALCULATED	PCF	POUND PER CUBIC FOOT
CB	CATCH BASIN	PT	POINT
CEM	CEMENT	P.C.	POINT OF CURVATURE
CIP	CAST IRON PIPE	P.C.R.	POINT OF CURB RETURN
C.I.P.	CAST IN PLACE	P.C.V.C.	POINT OF CURVATURE - VERTICAL CURVE
CJ	CONSTRUCTION JOINT	P.T.V.C.	POINT OF TANGENCY - VERTICAL CURVE POINT OF INTERSECTION
CL	CENTERLINE	P.I.	POST INDICATOR VALVE
CL	CLASS	P.I.V.	POINT OF INTERSECTION FOR VERTICAL CURVE
CMP	CORRUGATED METAL PIPE CONCRETE	P.O.C.	POINT ON CURVE
CMU	MASONRY UNIT	P.R.C.	POINT OF REVERSE CURVE
CO	CLEANOUT	P.T.	POINT OF TANGENCY
CONC	CONCRETE	PREFAB	PREFABRICATED
COND	CONDUIT	PROJ	PROJECT
CONST	CONSTRUCTION	PSF	POUND PER SQUARE FOOT
CONT	CONTINUOUS	PSI	POUND PER SQUARE INCH
CONTR	CONTRACTOR	PVC	POLYVINYL CHLORIDE
CP	CONCRETE PIPE	PWMT	PAVEMENT
CPD	CAPPED	PWR	POWER
CP	CORRUGATED POLYPROPYLENE PIPE	R	RADIUS OR RECORD
C.R.	CRUSHED ROCK	R	RIGHT
CS	COMPOST SOCK	RD	ROOF DRAIN
CSBC	CRUSHED SURFACE BASE COURSE	RP	RADIUS POINT
CSTC	CRUSHED SURFACE TOP COURSE	RCP	REINFORCED CONCRETE PIPE
CU.FT.	CUBIC FOOT	REQD	REQUIRED
CU.YD.	CUBIC YARD	REV	REVISION/REVISED RIGID
D	DRAIN (STORM DRAIN)	RGS	GALVANIZED STEEL
D	DEGREE OF CURVATURE	REF	REFERENCE
DI	DUCTILE IRON	R/W	RIGHT OF WAY
DIA OR Ø	DIAMETER	S	SOUTH OR SLOPE OR SEWER (SANITARY)
DIM	DIMENSION	SC	SEGMENTAL CONCRETE
DIP	DUCTILE IRON PIPE	SCH	SCHEDULE
DN	DOWN	SD	STORM DRAIN
D.P.	DISABILITY PARKING	SDMH	STORM DRAIN MANHOLE
DOE	DEPARTMENT OF ECOLOGY	SDR	STANDARD DIMENSION RATIO
DR	PIPE DIMENSION RATIO	SE	SOUTHEAST
DS	DOWNSPOUT	SEC.	SECTION
DWG	DRAWING	SHT	SHEET
DWGS	DRAWINGS	SPEC	SPECIFICATION(S)
DWV	DRAIN, WASTE AND VENT	SQ	SQUARE
E	EAST	SF	SQUARE FOOT/FEET
EA	EACH	SI	SQUARE INCH/INCHES
ELEC	ELECTRIC/ELECTRICAL	SIM.	SIMILAR
EL OR ELEV	ELEVATION	SS	SANITARY SEWER
EP	EDGE PAVEMENT	SSCO	SANITARY SEWER CLEANOUT
ETM	ELAPSED TIME METER	SSFM	SANITARY SEWER FORCEMAIN
EQ	EQUAL	SSMH	SANITARY SEWER MANHOLE
EQUIV	EQUIVALENT	STA	STATION
EX	EXISTING	STM	STEEL
EXIST.	EXISTING	ST	STREET
EXJ	EXPANSION JOINT	STR	STRUCTURAL
ENGR	ENGINEER	STD	STANDARD
EST	ESTIMATED	SW	SOUTHWEST
FD	FOOTING DRAIN	SWMMWW	STORMWATER MANAGEMENT MANUAL OF WESTERN WASHINGTON
FF	FINISH FLOOR ELEVATION	Sy/SQ. YD.	SQUARE YARD/YARDS
FG	FINISH GRADE	TAN	TANGENT
FM	FORCE MAIN	TC	TOP CURB
FIN	FINISHED	TDW	TEMPORARY DEWATERING
FIPT	FEMALE IRON PIPE THREAD	TEL	TELEPHONE
FT	FOOT (FEET)	TEMP	TEMPORARY
FTG	FOOTING	T.E.	TOP ELEVATION
FH	FIRE HYDRANT	TESC	TEMPORARY EROSION SEDIMENTATION CONTROL
FL	FLOWLINE	THRU	THROUGH
G	GAS	T.O.C.	TOP OF CONCRETE
G	GASKET	T.C.	TOP OF CURB
GALV	GALVANIZED	T.O.P.	TOP OF PAVEMENT
CS	GALVANIZED STEEL	T.P.	TURNING POINT
GND	GROUND	TR., TRANS	TRANSFORMER OR TOP RAMP
GPM	GALLONS PER MINUTE	TSSF	TEMPORARY SANITARY SEWER FORCE MAIN
GPR	GROUND PENETRATING RADAR	TYP	TYPICAL
GR	GRADE	TV	TELEVISION
GS	GROUND SHOT	TW	TOP WALL
H	HUB	UBC	UNIFORM BUILDING CODE
H	HORIZONTAL	UMC	UNIFORM MECHANICAL CODE
HDD	HORIZONTAL DIRECTIONAL DRILL	UPC	UNIFORM PLUMBING CODE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	V	VERTICAL
HP	HIGH POINT	V	VOLTS
HP	HORSEPOWER	V	VENT
HORIZ	HORIZONTAL	VC	VERTICAL CURVE
HMA	HOT MIX ASPHALT	VD	VAULT DRAIN
HWR	HOT WATER RETURN	VERT	VERTICAL
HWS	HOT WATER SUPPLY	VOL	VOLUME
INV	INVERT	VPC	VERTICAL POINT OF CURVATURE
IE	INVERT ELEVATION	VPI	VERTICAL POINT OF INTERSECTION
IRR	IRRIGATION	VPT	VERTICAL POINT OF TANGENCY
JT	JOINT	WAC	WASHINGTON ADMINISTRATIVE CODE
K	VERTICAL CURVE GRADIENT VALUE	WD	WALL DRAINAGE
L	LENGTH	WP	WEATHERPROOF
L	LEFT	WWF	WELODED WIRE FABRIC
LB	POUND	WT W	WEIGHT WATER
LF	LINEAL FEET/FOOT	W	WEST
LIN	LINEAR	W	WATER
LONGIT	LONGITUDE	WSHA	WASHINGTON INDUSTRIAL SAFETY AND HEALTH ADMINISTRATION
LTG	LIGHTING	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
M	MEASURED	WS	WATER SERVICE OR WATER SURFACE
MB	MAILBOX	W/	WITH
MD	MEASURE DOWN	XFMR	TRANSFORMER
MEG	MATCH EXISTING GRADE		
MH	MANHOLE		
MJ	MECHANICAL JOINT		
MECH	MECHANICAL		
MEMB	MEMBRANE		

**LEGEND**

<b>EXISTING FEATURES-</b>	<b>PROPOSED FEATURES-</b>
FOUND MONUMENT AS NOTED CALCULATED MONUMENT POSITION FOUND PROPERTY CORNER AS NOTED SET REBAR & CAP LS 44639 SURVEY CONTROL POINT, AS NOTED SANITARY SEWER MANHOLE SANITARY SEWER CLEAN OUT STORM MANHOLE STORM CATCH BASIN STORM CULVERT STORM CLEAN OUT ROOF DRAIN WATER VALVE WATER METER FIRE HYDRANT WATER VAULT FIRE DEPARTMENT CONNECTION WATER BLOW OFF POST INDICATOR VALVE IRRIGATION CONTROL VALVE GAS VALVE GAS METER GAS MANHOLE UTILITY POLE GUY ANCHOR JUNCTION BOX POWER VAULT POWER CABINET POWER MANHOLE LIGHT POLE UTILITY VAULT COLUMN BOLLARD FINISH FLOOR ELEVATION SIGN MAILBOX MONITORING WELL TAX PARCEL NUMBER	CATCH BASIN PROTECTION SILT FENCE DEMOLITION STOCKPILE AREA SAWCUT LINE LANDSCAPING ASPHALT PAVEMENT CONCRETE GRAVEL SURFACING CAST-IN-PLACE CURB STORM DRAIN PIPE ROOF DRAIN PIPE FOOTING DRAIN PIPE GRADE BREAK QUARRY SPALL PAD TYPE 1 CATCH BASIN TYPE 2 CATCH BASIN ROOF DRAIN CLEANOUT WATER PIPE FIRE SPRINKLER PIPE WATER METER FIRE DEPARTMENT CONNECTION FIRE HYDRANT SANITARY SEWER PIPE SANITARY SEWER MANHOLE WITH ACCESS LOCATION SANITARY SEWER CLEANOUT GATE VALVE THRUST BLOCK CHAINLINK FENCING  BOUNDARY LINE LOT LINE SECTION LINE ROAD CENTERLINE STORM DRAIN LINE SANITARY SEWER LINE BURIED WATER LINE BURIED GAS LINE BURIED FUEL LINE BURIED POWER LINE BURIED TELECOMMUNICATIONS LINE OVERHEAD POWER LINE DITCH LINE CHAIN LINK FENCE RECORD STORM LINE RECORD SANITARY LINE RECORD WATER LINE RECORD GAS LINE RECORD POWER LINE RECORD TELECOMMUNICATIONS LINE  ASPHALT SURFACE CONCRETE SURFACE GRAVEL SURFACE RIPRAP SURFACE

**PROJECT SEQUENCING**

- HOLD A PRE-CONSTRUCTION MEETING WITH THE CITY
- PROVIDE SUBMITTALS AND OBTAIN APPROVALS FROM
- COORDINATE WITH PROJECT LOGISTICS PLAN (SHEET
- ESTABLISH CLEARING AND GRADING LIMITS.
- CONSTRUCT STAGE A EROSION CONTROL DEVICES AS CONTROL PLANS. NO UNCONTROLLED STORMWATER RUNOFF SHALL BE DISCHARGED OFFSITE OR TO ADJACENT CRITICAL AREAS DURING GRADING OPERATIONS.
- CONSTRUCT PROTECTION FENCING FOR CRITICAL AREAS PROPOSED FOR RETENTION.
- SCHEDULE EROSION CONTROL INSPECTION WITH THE CITY
- EXECUTE REQUIRED CLEARING, GRUBBING AND DEMOLITION
- MAINTAIN STAGE A EROSION CONTROL BMP'S. NO UNCONTROLLED STORMWATER RUNOFF SHALL BE DISCHARGED OFFSITE OR TO ADJACENT CRITICAL AREAS DURING GRADING OPERATIONS.
- EXECUTE REQUIRED GRADING AND BUILDING PAD EROSION CONTROL MEASURES.
- EXECUTE REQUIRED UTILITY WORK.
- PROVIDE STAGE B EROSION CONTROL BMP'S. NO UNCONTROLLED STORMWATER RUNOFF SHALL BE DISCHARGED OFFSITE OR TO ADJACENT CRITICAL AREAS DURING GRADING OPERATIONS.
- CONSTRUCT BUILDING IMPROVEMENTS.
- MAINTAIN STAGE B TESC BMP'S. NO UNCONTROLLED STORMWATER RUNOFF SHALL BE DISCHARGED OFFSITE OR TO ADJACENT CRITICAL AREAS DURING GRADING OPERATIONS.
- MAY 2021±, OBTAIN APPROVAL TO REDUCE SIZE OF TEMPORARY INFILTRATION POND.
- COMPLETE SURFACING RESTORATION.
- COMPLETE PROJECT LANDSCAPING EXCEPT FOR BIORETENTION AND TEMPORARY INFILTRATION POND FOOTPRINT.
- INSTALL CB 210 AND PIPING IN AND OUT OF CB 210.
- INSTALL BIORETENTION SOIL MEDIA.
- FILL IN TEMPORARY INFILTRATION POND.
- FOLLOWING FINAL STABILIZATION OF THE ENTIRE PROJECT SITE, AND UPON APPROVAL BY SCHOOL DISTRICT, ENGINEER, AND CITY INSPECTOR, REMOVE ALL TESC MEASURES.

**RECORD DRAWING**  
 RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

APPROVED  
 BY:   
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
 two business days before you dig

**BCRA**  
 BOUNDARY CONTROL RECORDING AND ASSESSMENT  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373  
 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sittshill.com/

PROJECT:  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: PROJECT ABBREVIATIONS AND NOTES

**SITTS & HILL ENGINEERS, INC.**  
 CIVIL • STRUCTURAL • SURVEYING  
 4815 CENTER STREET | TACOMA, WA, 98409  
 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**  
 BOUNDARY CONTROL RECORDING AND ASSESSMENT  
 CIVIL 02 OF 32

**C0.2**  
 CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**CITY OF PUYALLUP GENERAL NOTES**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A PUNCH LIST PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'STANDARD SPECIFICATIONS'), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'CITY STANDARDS').
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
- THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
- POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER, WATER, AND STORM) OF 5 FEET.
- ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
- DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY THE CITY.
- CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
- A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
- ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

**CITY OF PUYALLUP STORMWATER NOTES**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A PUNCH LIST PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'STANDARD SPECIFICATIONS'), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE 'CITY STANDARDS').
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
- MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
- CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
- CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH 'DRAINS TO STREAM'. SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
- STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
  - THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
  - PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
  - CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
  - DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
  - POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D. TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3 FEET.
- TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
- STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
- ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.

**CITY OF PUYALLUP GRADING, EROSION AND SEDIMENTATION NOTES:**

- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A PUNCH LIST PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
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- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE CITY ENGINEER PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ONSITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITEE.
- THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES, SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.
- ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
- NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

**RECORD DRAWING**  
 RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

*Richard C. Hand*

APPROVED  
 BY *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: **06-09-20**

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

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17 06/09/2020

PROJECT  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: **CITY OF PUYALLUP STANDARD NOTES**

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 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

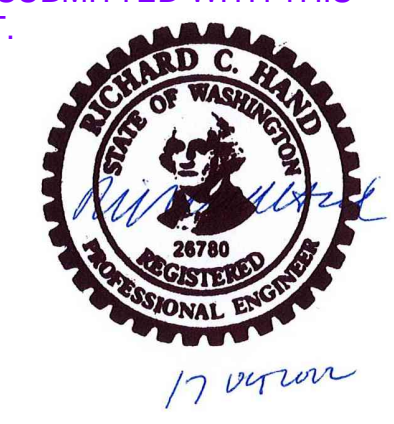
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 SHEET: CIVIL 03 OF 32

**C0.3**  
 CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

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APPROVED  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
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 DATE: 06-09-20  
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HORIZONTAL SCALE: 1"=30'  
 30 0 30 60

**LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

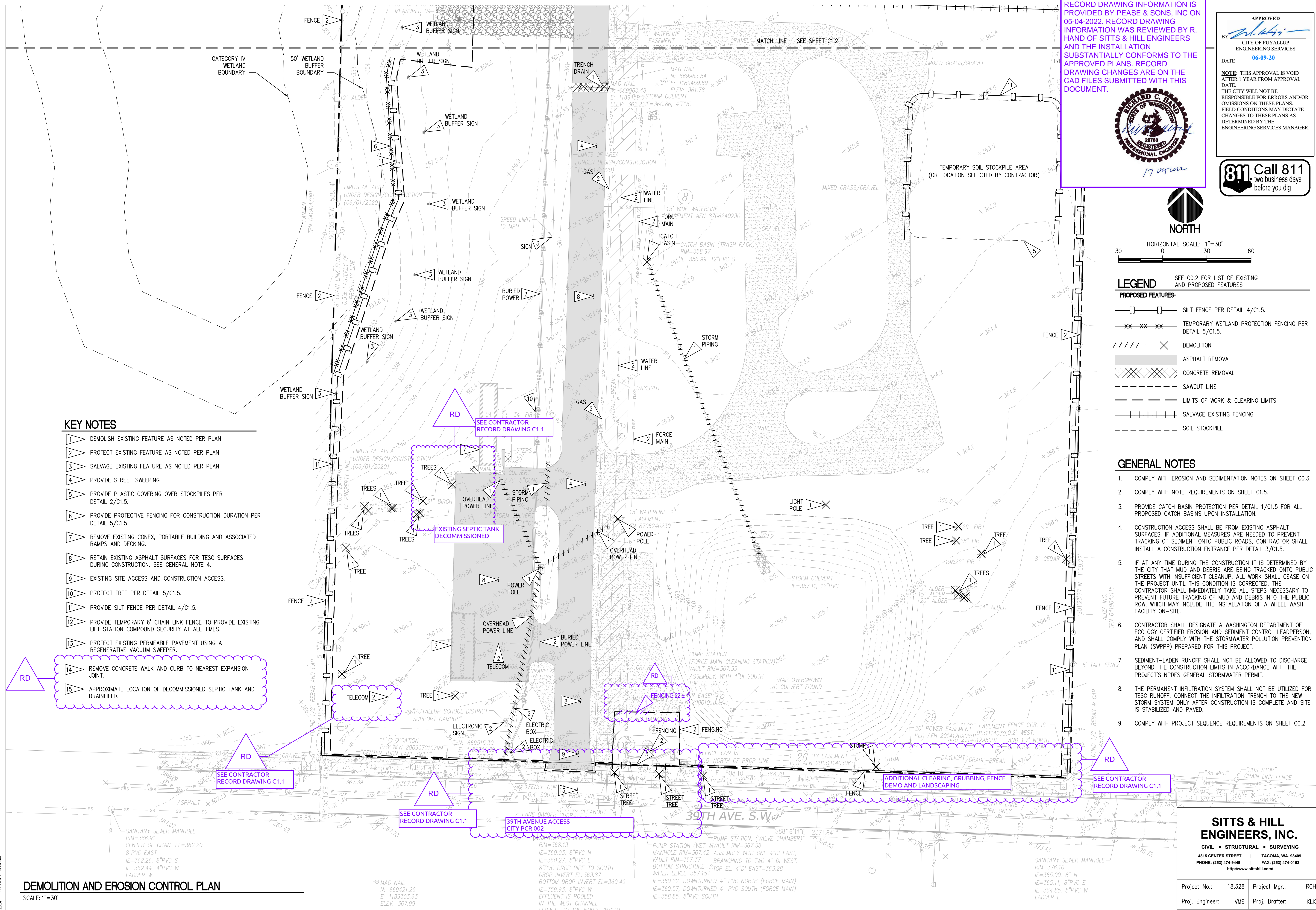
**PROPOSED FEATURES-**

- [Symbol] — SILT FENCE PER DETAIL 4/C1.5.
- xx xx xx — TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
- [Symbol] — DEMOLITION
- [Symbol] — ASPHALT REMOVAL
- [Symbol] — CONCRETE REMOVAL
- [Symbol] — SAWCUT LINE
- [Symbol] — LIMITS OF WORK & CLEARING LIMITS
- [Symbol] — SALVAGE EXISTING FENCING
- [Symbol] — SOIL STOCKPILE

- GENERAL NOTES**
1. COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
  2. COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
  3. PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
  4. CONSTRUCTION ACCESS SHALL BE FROM EXISTING ASPHALT SURFACES. IF ADDITIONAL MEASURES ARE NEEDED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADS, CONTRACTOR SHALL INSTALL A CONSTRUCTION ENTRANCE PER DETAIL 3/C1.5.
  5. IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
  6. CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
  7. SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
  8. THE PERMANENT INFILTRATION SYSTEM SHALL NOT BE UTILIZED FOR TESC RUNOFF. CONNECT THE INFILTRATION TRENCH TO THE NEW STORM SYSTEM ONLY AFTER CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED AND PAVED.
  9. COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.

**KEY NOTES**

1. DEMOLISH EXISTING FEATURE AS NOTED PER PLAN
2. PROTECT EXISTING FEATURE AS NOTED PER PLAN
3. SALVAGE EXISTING FEATURE AS NOTED PER PLAN
4. PROVIDE STREET SWEEPING
5. PROVIDE PLASTIC COVERING OVER STOCKPILES PER DETAIL 2/C1.5.
6. PROVIDE PROTECTIVE FENCING FOR CONSTRUCTION DURATION PER DETAIL 5/C1.5.
7. REMOVE EXISTING CONEX, PORTABLE BUILDING AND ASSOCIATED RAMPS AND DECKING.
8. RETAIN EXISTING ASPHALT SURFACES FOR TESC SURFACES DURING CONSTRUCTION. SEE GENERAL NOTE 4.
9. EXISTING SITE ACCESS AND CONSTRUCTION ACCESS.
10. PROTECT TREE PER DETAIL 5/C1.5.
11. PROVIDE SILT FENCE PER DETAIL 4/C1.5.
12. PROVIDE TEMPORARY 6" CHAIN LINK FENCE TO PROVIDE EXISTING LIFT STATION COMPOUND SECURITY AT ALL TIMES.
13. PROTECT EXISTING PERMEABLE PAVEMENT USING A REGENERATIVE VACUUM SWEEPER.
14. REMOVE CONCRETE WALK AND CURB TO NEAREST EXPANSION JOINT.
15. APPROXIMATE LOCATION OF DECOMMISSIONED SEPTIC TANK AND DRAINFIELD.



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Project No.:	18,328	Project Mgr.:	RCH
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**BCRA**  
 PROJECT: FOR PUYALLUP SCHOOL DISTRICT  
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REVISIONS

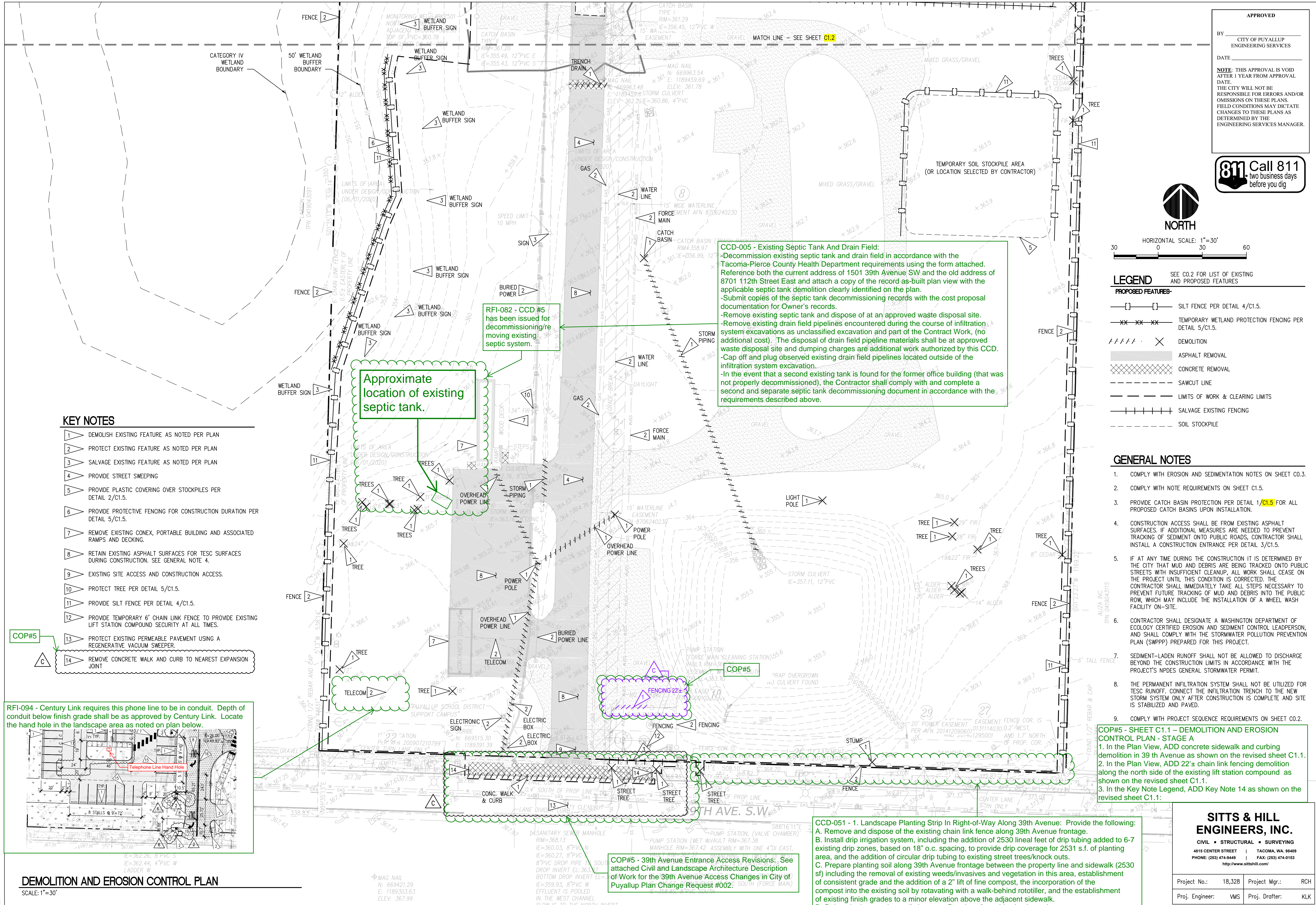
03-16-2020	ADDENDUM 2
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04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: **DEMOLITION AND EROSION CONTROL PLAN - STAGE A**

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 SHEET: CIVIL 04 OF 32

**C1.1**  
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 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
 two business days before you dig



HORIZONTAL SCALE: 1"=30'  
 30 0 30 60

- LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES
- PROPOSED FEATURES-**
- [ ] — SILT FENCE PER DETAIL 4/C1.5.
  - - - - - TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
  - XXXXX DEMOLITION
  - ASPHALT REMOVAL
  - CONCRETE REMOVAL
  - SAWCUT LINE
  - LIMITS OF WORK & CLEARING LIMITS
  - SALVAGE EXISTING FENCING
  - SOIL STOCKPILE

- GENERAL NOTES**
- COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
  - COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
  - PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
  - CONSTRUCTION ACCESS SHALL BE FROM EXISTING ASPHALT SURFACES. IF ADDITIONAL MEASURES ARE NEEDED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADS, CONTRACTOR SHALL INSTALL A CONSTRUCTION ENTRANCE PER DETAIL 3/C1.5.
  - IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
  - CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
  - SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
  - THE PERMANENT INFILTRATION SYSTEM SHALL NOT BE UTILIZED FOR TESC RUNOFF. CONNECT THE INFILTRATION TRENCH TO THE NEW STORM SYSTEM ONLY AFTER CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED AND PAVED.
  - COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.

**COP#5 - SHEET C1.1 - DEMOLITION AND EROSION CONTROL PLAN - STAGE A**

- In the Plan View, ADD concrete sidewalk and curbing demolition in 39th Avenue as shown on the revised sheet C1.1.
- In the Plan View, ADD 22'± chain link fencing demolition along the north side of the existing lift station compound as shown on the revised sheet C1.1.
- In the Key Note Legend, ADD Key Note 14 as shown on the revised sheet C1.1:

**CCD-005 - Existing Septic Tank And Drain Field:**  
 -Decommission existing septic tank and drain field in accordance with the Tacoma-Pierce County Health Department requirements using the form attached. Reference both the current address of 1501 39th Avenue SW and the old address of 8701 112th Street East and attach a copy of the record as-built plan view with the applicable septic tank demolition clearly identified on the plan.  
 -Submit copies of the septic tank decommissioning records with the cost proposal documentation for Owner's records.  
 -Remove existing septic tank and dispose of at an approved waste disposal site.  
 -Remove existing drain field pipelines encountered during the course of infiltration system excavations as unclassified excavation and part of the Contract Work, (no additional cost). The disposal of drain field pipeline materials shall be at approved waste disposal site and dumping charges are additional work authorized by this CCD.  
 -Cap off and plug observed existing drain field pipelines located outside of the infiltration system excavation.  
 -In the event that a second existing tank is found for the former office building (that was not properly decommissioned), the Contractor shall comply with and complete a second and separate septic tank decommissioning document in accordance with the requirements described above.

**RFI-082 - CCD #5** has been issued for decommissioning/re moving existing septic system.

Approximate location of existing septic tank.

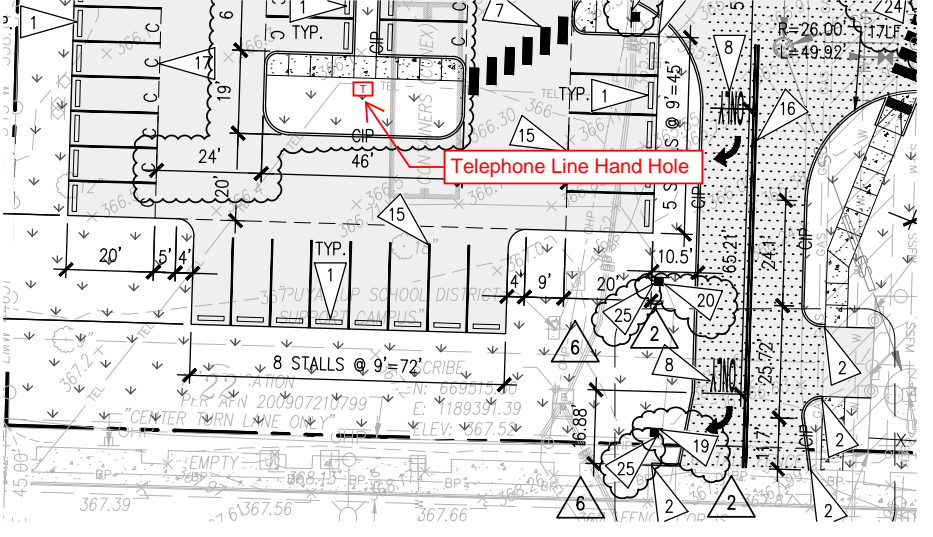
**COP#5 - 39th Avenue Entrance Access Revisions:** See attached Civil and Landscape Architecture Description of Work for the 39th Avenue Access Changes in City of Puyallup Plan Change Request #002.

**CCD-051 - 1. Landscape Planting Strip In Right-of-Way Along 39th Avenue:** Provide the following:  
 A. Remove and dispose of the existing chain link fence along 39th Avenue frontage.  
 B. Install drip irrigation system, including the addition of 2530 lineal feet of drip tubing added to 6-7 existing drip zones, based on 18" o.c. spacing, to provide drip coverage for 2531 s.f. of planting area, and the addition of circular drip tubing to existing street trees/knock outs.  
 C. Prepare planting soil along 39th Avenue frontage between the property line and sidewalk (2530 sf) including the removal of existing weeds/invasives and vegetation in this area, establishment of consistent grade and the addition of a 2" lift of fine compost, the incorporation of the compost into the existing soil by rotavating with a walk-behind rototiller, and the establishment of existing finish grades to a minor elevation above the adjacent sidewalk.  
 D. Delete the imported topsoil shown on Drawings from this planting strip.  
 E. Accomplish this work on time and materials basis for cost not exceeding \$20, 278.

**KEY NOTES**

- DEMOLISH EXISTING FEATURE AS NOTED PER PLAN
- PROTECT EXISTING FEATURE AS NOTED PER PLAN
- SALVAGE EXISTING FEATURE AS NOTED PER PLAN
- PROVIDE STREET SWEEPING
- PROVIDE PLASTIC COVERING OVER STOCKPILES PER DETAIL 2/C1.5.
- PROVIDE PROTECTIVE FENCING FOR CONSTRUCTION DURATION PER DETAIL 5/C1.5.
- REMOVE EXISTING CONEX, PORTABLE BUILDING AND ASSOCIATED RAMPS AND DECKING.
- RETAIN EXISTING ASPHALT SURFACES FOR TESC SURFACES DURING CONSTRUCTION. SEE GENERAL NOTE 4.
- EXISTING SITE ACCESS AND CONSTRUCTION ACCESS.
- PROTECT TREE PER DETAIL 5/C1.5.
- PROVIDE SILT FENCE PER DETAIL 4/C1.5.
- PROVIDE TEMPORARY 6" CHAIN LINK FENCE TO PROVIDE EXISTING LIFT STATION COMPOUND SECURITY AT ALL TIMES.
- PROTECT EXISTING PERMEABLE PAVEMENT USING A REGENERATIVE VACUUM SWEEPER.
- REMOVE CONCRETE WALK AND CURB TO NEAREST EXPANSION JOINT

**RFI-094 - Century Link** requires this phone line to be in conduit. Depth of conduit below finish grade shall be as approved by Century Link. Locate the hand hole in the landscape area as noted on plan below.



**DEMOLITION AND EROSION CONTROL PLAN**

SCALE: 1"=30'



RFI-082 8/31/20 CCD-005 8/28/20  
 RFI-094 - 9/16/20  
 COP#5 3/19/21  
 CCD-051 12/14/21

PROJECT:  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07
10-27-2020	PCR 002 RESUBMITTAL

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:

REVIEWED BY:  
 SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN - STAGE A

**PCR 002**  
 E19-0574



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 SHEET CIVIL 04 OF 32

**C1.1**

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 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

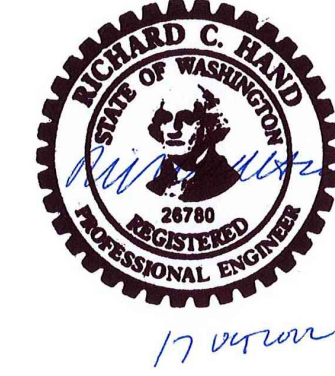
**PROPOSED FEATURES-**

	SILT FENCE PER DETAIL 4/C1.5.
	TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
	DEMOLITION
	ASPHALT REMOVAL
	CONCRETE REMOVAL
	SAWCUT LINE
	LIMITS OF WORK & CLEARING LIMITS
	CATCH BASIN PROTECTION PER DETAIL 1/C1.5.
	SALVAGE EXISTING FENCING

- GENERAL NOTES**
- COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
  - COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
  - PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
  - CONSTRUCTION ACCESS SHALL BE FROM EXISTING ASPHALT SURFACES. IF ADDITIONAL MEASURES ARE NEEDED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADS, CONTRACTOR SHALL INSTALL A CONSTRUCTION ENTRANCE PER DETAIL 3/C1.5.
  - IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
  - CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
  - SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
  - THE PERMANENT INFILTRATION SYSTEM SHALL NOT BE UTILIZED FOR TESC RUNOFF. CONNECT THE INFILTRATION TRENCH TO THE NEW STORM SYSTEM ONLY AFTER CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED AND PAVED.
  - COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.

- KEY NOTES**
- DEMOLISH EXISTING FEATURE AS NOTED PER PLAN
  - PROTECT EXISTING FEATURE AS NOTED PER PLAN
  - SALVAGE EXISTING FEATURE AS NOTED PER PLAN
  - PROVIDE STREET SWEEPING
  - NOT USED
  - PROVIDE PROTECTIVE FENCING FOR CONSTRUCTION DURATION PER DETAIL 5/C1.5.
  - RETAIN EXISTING ASPHALT SURFACES FOR TESC SURFACES DURING CONSTRUCTION. SEE GENERAL NOTE 4.

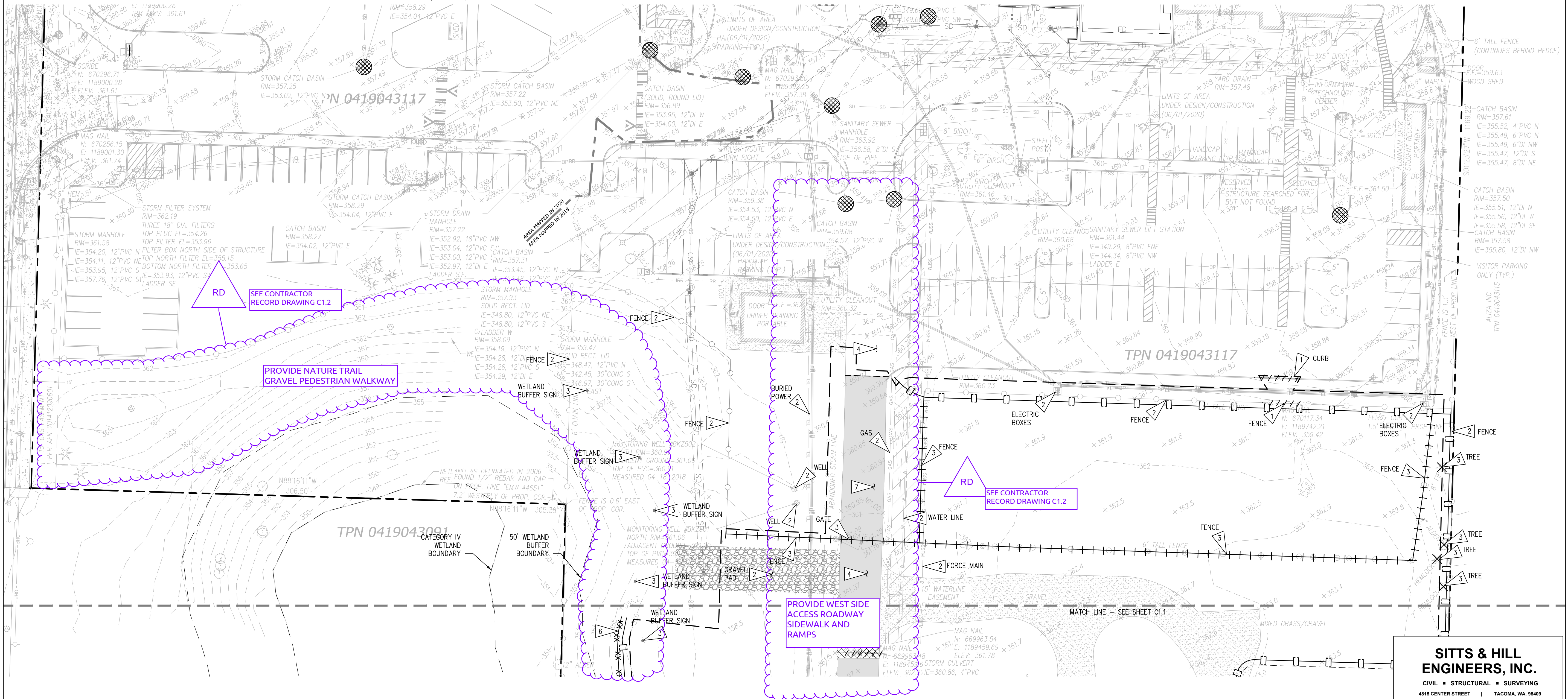
**RECORD DRAWING**  
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**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
 two business days before you dig

HORIZONTAL SCALE: 1"=30'  
 30 0 30 60



**BCRA**

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN - STAGE A

**BCRA**  
 CIVIL 05 OF 32

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 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**C1.2**  
 CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

- PROPOSED FEATURES-**
- SILT FENCE PER DETAIL 4/C1.5.
  - TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
  - DEMOLITION
  - ASPHALT REMOVAL
  - CONCRETE REMOVAL
  - SAWCUT LINE
  - LIMITS OF WORK & CLEARING LIMITS
  - CATCH BASIN PROTECTION PER DETAIL 1/C1.5.
  - SALVAGE EXISTING FENCING

**GENERAL NOTES**

1. COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
2. COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
3. PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
4. CONSTRUCTION ACCESS SHALL BE FROM EXISTING ASPHALT SURFACES. IF ADDITIONAL MEASURES ARE NEEDED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADS, CONTRACTOR SHALL INSTALL A CONSTRUCTION ENTRANCE PER DETAIL 3/C1.5.
5. IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
6. CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
7. SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
8. THE PERMANENT INFILTRATION SYSTEM SHALL NOT BE UTILIZED FOR TESC RUNOFF. CONNECT THE INFILTRATION TRENCH TO THE NEW STORM SYSTEM ONLY AFTER CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED AND PAVED.
9. COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.

**KEY NOTES**

- 1 DEMOLISH EXISTING FEATURE AS NOTED PER PLAN
- 2 PROTECT EXISTING FEATURE AS NOTED PER PLAN
- 3 SALVAGE EXISTING FEATURE AS NOTED PER PLAN
- 4 PROVIDE STREET SWEEPING
- 5 NOT USED
- 6 PROVIDE PROTECTIVE FENCING FOR CONSTRUCTION DURATION PER DETAIL 5/C1.5.
- 7 RETAIN EXISTING ASPHALT SURFACES FOR TESC SURFACES DURING CONSTRUCTION. SEE GENERAL NOTE 4.

**COP7R Revisions On Entrance Road: Make revisions as noted on attached Civil Sheets C1.2, C2.2, C2.6, C3.2 and C3.4:**

1. Delete asphalt pavement on entrance road already installed previously by Owner; refer to attached Sheet C2.2 for location and extent.
2. Revise standard sidewalk on west side of entrance road to thickened sidewalk with rolled curb; refer to attached Drawings for location and extent.
3. Construct ADA accessible ramp at north end of sidewalk as noted on attached Drawings.
4. Add sidewalk on west side of entrance road alongside the existing bus driver's portable as noted on attached Drawings.

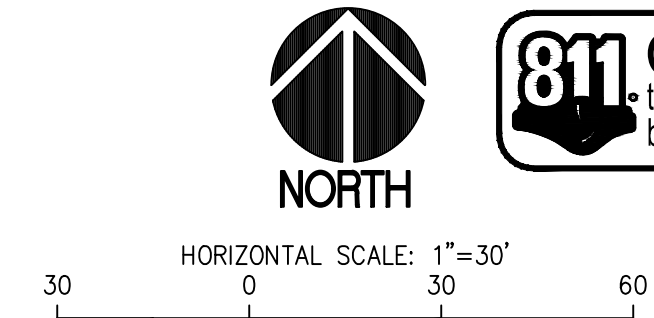
**APPROVED**

BY: CITY OF PUYALLUP ENGINEERING SERVICES

DATE:

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RFI-326 - The nature path and work shown outside the clearing limits are included in the current contract. Reference Addendum No. 4 where the reference to Bid Alternate No. 2 was deleted.

**DEMOLITION AND EROSION CONTROL PLAN**  
SCALE: 1"=30'

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Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

COP7R 10/6/20  
RFI-326 9/28/21

**PROJECT**  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN - STAGE A

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**C1.2**

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**LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

**PROPOSED FEATURES-**

	SILT FENCE PER DETAIL 4/C1.5.
	TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
	DEMOLITION
	ASPHALT REMOVAL
	CONCRETE REMOVAL
	SAWCUT LINE
	LIMITS OF WORK
	CATCH BASIN PROTECTION PER DETAIL 1/C1.5.

- GENERAL NOTES**
1. COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
  2. COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
  3. PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
  4. CONSTRUCTION ACCESS SHALL BE FROM EXISTING ASPHALT SURFACES. IF ADDITIONAL MEASURES ARE NEEDED TO PREVENT TRACKING OF SEDIMENT ONTO PUBLIC ROADS, CONTRACTOR SHALL INSTALL A CONSTRUCTION ENTRANCE PER DETAIL 3/C1.5.
  5. IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
  6. CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
  7. SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
  8. COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.

- KEY NOTES**
1. DEMOLISH EXISTING FEATURE AS NOTED PER PLAN
  2. PROTECT EXISTING FEATURE AS NOTED PER PLAN
  3. PROVIDE STREET SWEEPING
  4. ADJUST RIM TO NEW GRADE AND REPLACE WITH LOCKABLE FRAME AND GRATE AND LOCKABLE FRAME AND LID PER SHEET C3.3.
  5. REMOVE CONCRETE WALK TO NEAREST EXPANSION JOINT (SAWCUT NOT ALLOWED).
  6. REMOVE CURB AND GUTTER TO NEAREST EXPANSION JOINT (SAWCUT NOT ALLOWED).

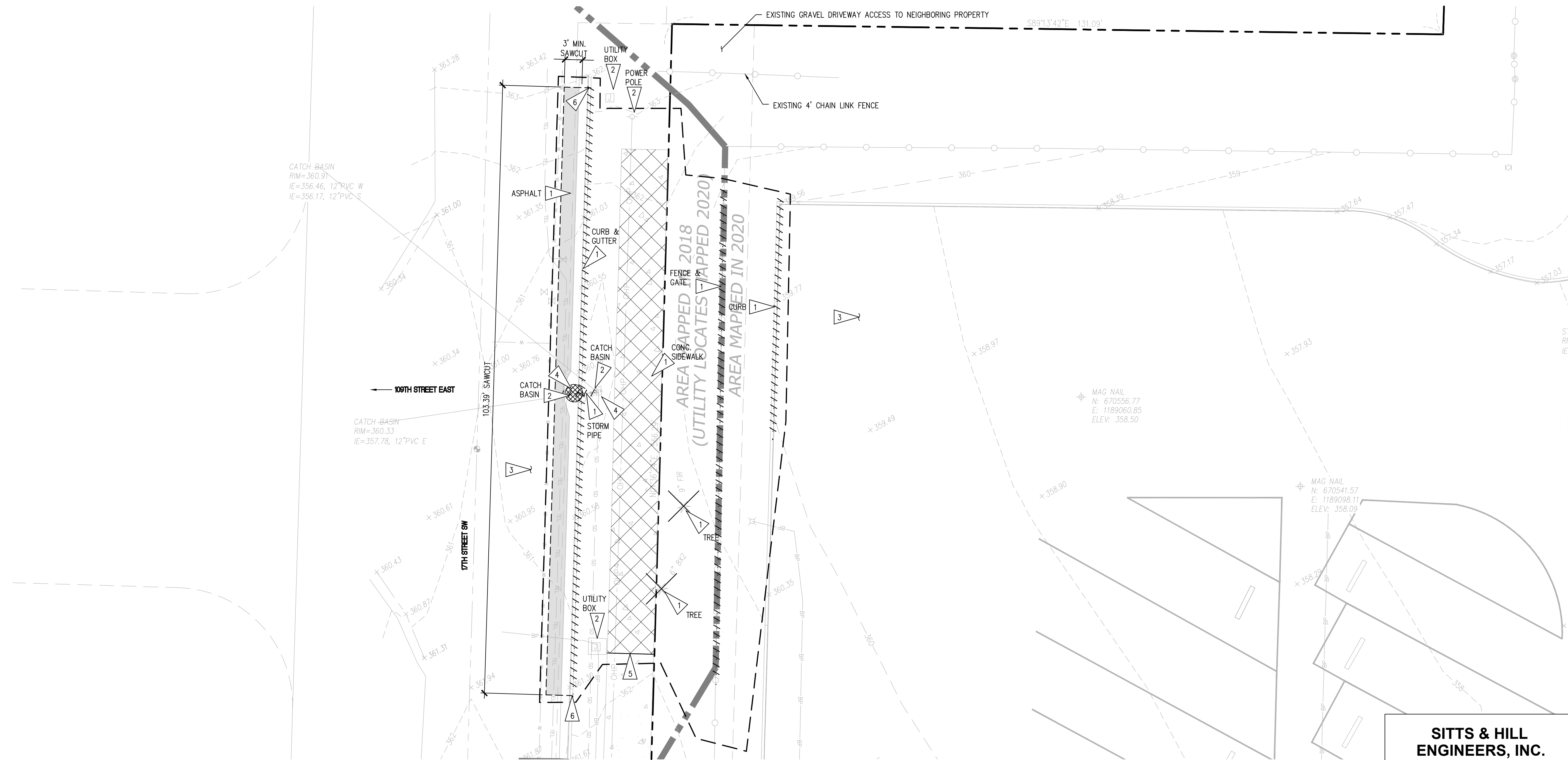
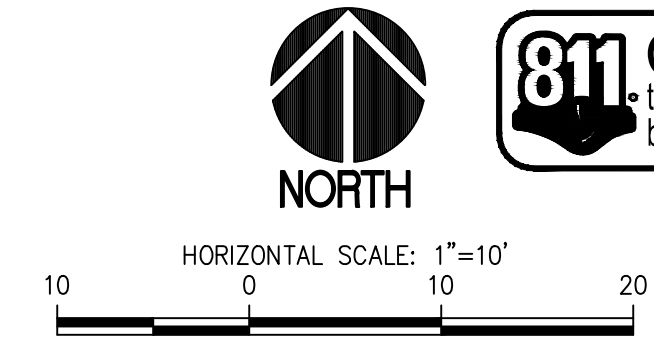
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*Richard C. Hand*

**APPROVED**  
 BY *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: **06-09-20**

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**DEMOLITION AND EROSION CONTROL PLAN**  
 SCALE: 1"=10'

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Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

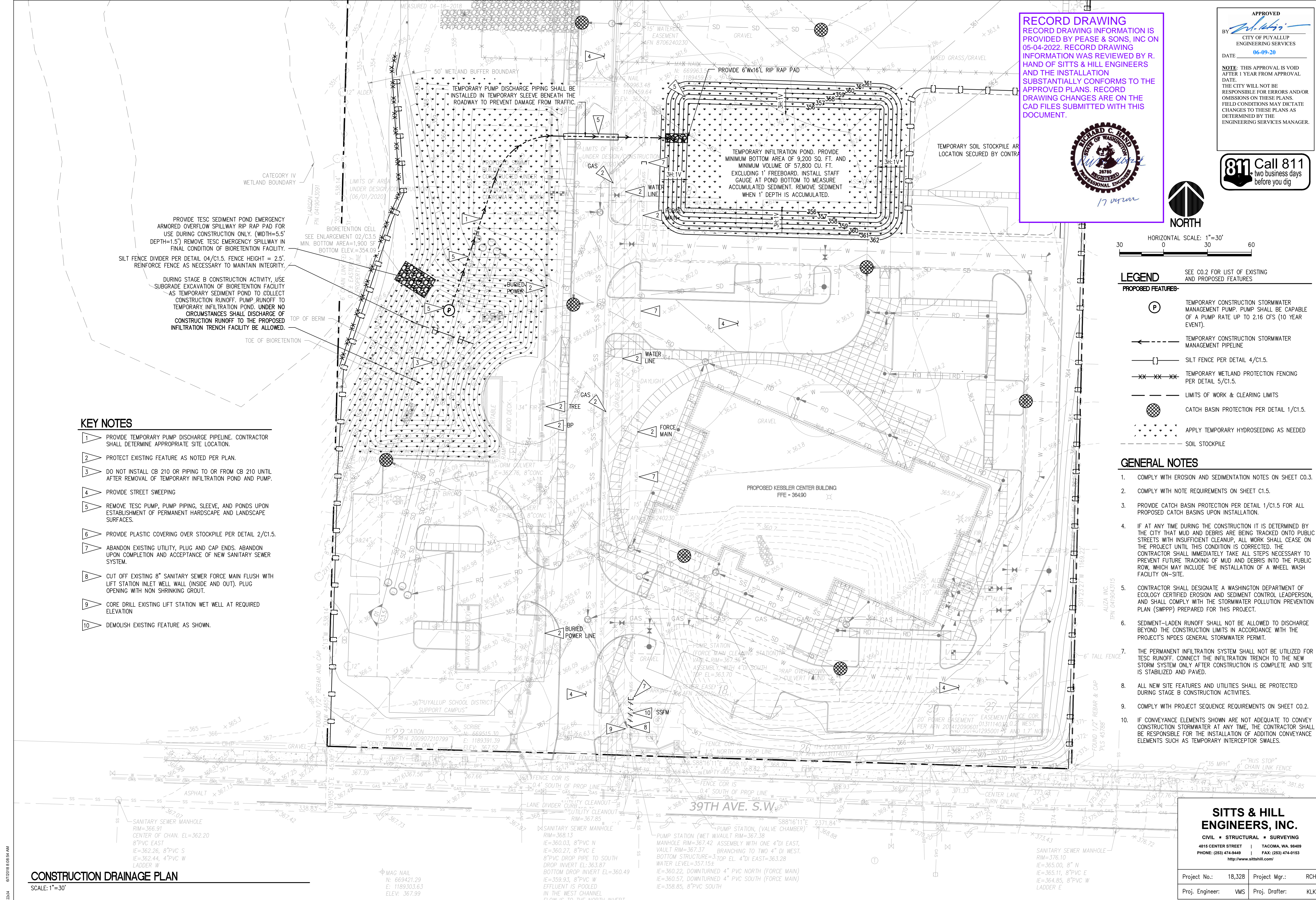
DATE: 02.26.2020  
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 SHEET TITLE: DEMOLITION AND EROSION CONTROL PLAN - STAGE A

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**C1.3**  
 CITY RESUBMITTAL

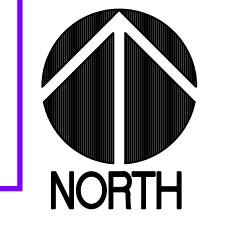
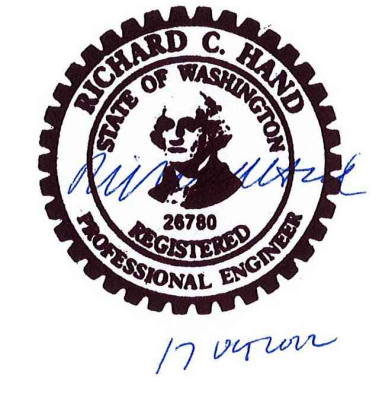
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APPROVED BY: *[Signature]*  
 CITY OF PUYALLUP ENGINEERING SERVICES  
 DATE: 06-09-20  
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**811 Call 811**  
 two business days before you dig

HORIZONTAL SCALE: 1"=30'  
 0 30 60

- LEGEND** SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES
- PROPOSED FEATURES:**
- (P) TEMPORARY CONSTRUCTION STORMWATER MANAGEMENT PUMP. PUMP SHALL BE CAPABLE OF A PUMP RATE UP TO 2.16 CFS (10 YEAR EVENT).
  - TEMPORARY CONSTRUCTION STORMWATER MANAGEMENT PIPELINE
  - SILT FENCE PER DETAIL 4/C1.5.
  - TEMPORARY WETLAND PROTECTION FENCING PER DETAIL 5/C1.5.
  - LIMITS OF WORK & CLEARING LIMITS
  - CATCH BASIN PROTECTION PER DETAIL 1/C1.5.
  - APPLY TEMPORARY HYDROSEEDING AS NEEDED
  - SOIL STOCKPILE

- GENERAL NOTES**
1. COMPLY WITH EROSION AND SEDIMENTATION NOTES ON SHEET CO.3.
  2. COMPLY WITH NOTE REQUIREMENTS ON SHEET C1.5.
  3. PROVIDE CATCH BASIN PROTECTION PER DETAIL 1/C1.5 FOR ALL PROPOSED CATCH BASINS UPON INSTALLATION.
  4. IF AT ANY TIME DURING THE CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
  5. CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPARTMENT OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT.
  6. SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES GENERAL STORMWATER PERMIT.
  7. THE PERMANENT INFILTRATION SYSTEM SHALL NOT BE UTILIZED FOR TESC RUNOFF. CONNECT THE INFILTRATION TRENCH TO THE NEW STORM SYSTEM ONLY AFTER CONSTRUCTION IS COMPLETE AND SITE IS STABILIZED AND PAVED.
  8. ALL NEW SITE FEATURES AND UTILITIES SHALL BE PROTECTED DURING STAGE B CONSTRUCTION ACTIVITIES.
  9. COMPLY WITH PROJECT SEQUENCE REQUIREMENTS ON SHEET CO.2.
  10. IF CONVEYANCE ELEMENTS SHOWN ARE NOT ADEQUATE TO CONVEY CONSTRUCTION STORMWATER AT ANY TIME, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL CONVEYANCE ELEMENTS SUCH AS TEMPORARY INTERCEPTOR SWALES.

- KEY NOTES**
1. PROVIDE TEMPORARY PUMP DISCHARGE PIPELINE. CONTRACTOR SHALL DETERMINE APPROPRIATE SITE LOCATION.
  2. PROTECT EXISTING FEATURE AS NOTED PER PLAN.
  3. DO NOT INSTALL CB 210 OR PIPING TO OR FROM CB 210 UNTIL AFTER REMOVAL OF TEMPORARY INFILTRATION POND AND PUMP.
  4. PROVIDE STREET SWEEPING
  5. REMOVE TESC PUMP, PUMP PIPING, SLEEVE, AND PONDS UPON ESTABLISHMENT OF PERMANENT HARDSCAPE AND LANDSCAPE SURFACES.
  6. PROVIDE PLASTIC COVERING OVER STOCKPILE PER DETAIL 2/C1.5.
  7. ABANDON EXISTING UTILITY, PLUG AND CAP ENDS. ABANDON UPON COMPLETION AND ACCEPTANCE OF NEW SANITARY SEWER SYSTEM.
  8. CUT OFF EXISTING 8" SANITARY SEWER FORCE MAIN FLUSH WITH LIFT STATION INLET WELL WALL (INSIDE AND OUT). PLUG OPENING WITH NON SHRINKING GROUT.
  9. CORE DRILL EXISTING LIFT STATION WET WELL AT REQUIRED ELEVATION
  10. DEMOLISH EXISTING FEATURE AS SHOWN.

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Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**  
 1700 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402  
 253.474.9449  
 253.474.0153  
 www.bcra.com

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

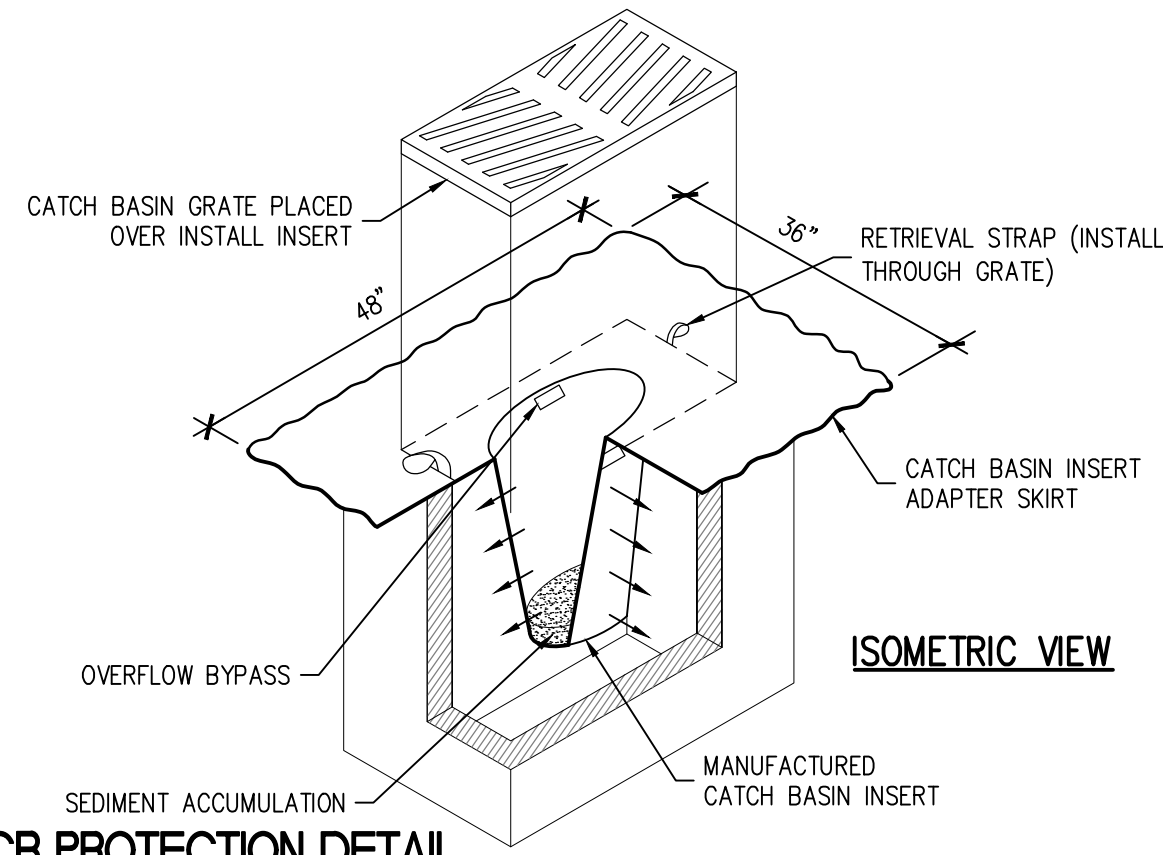
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DATE: 02.26.2020  
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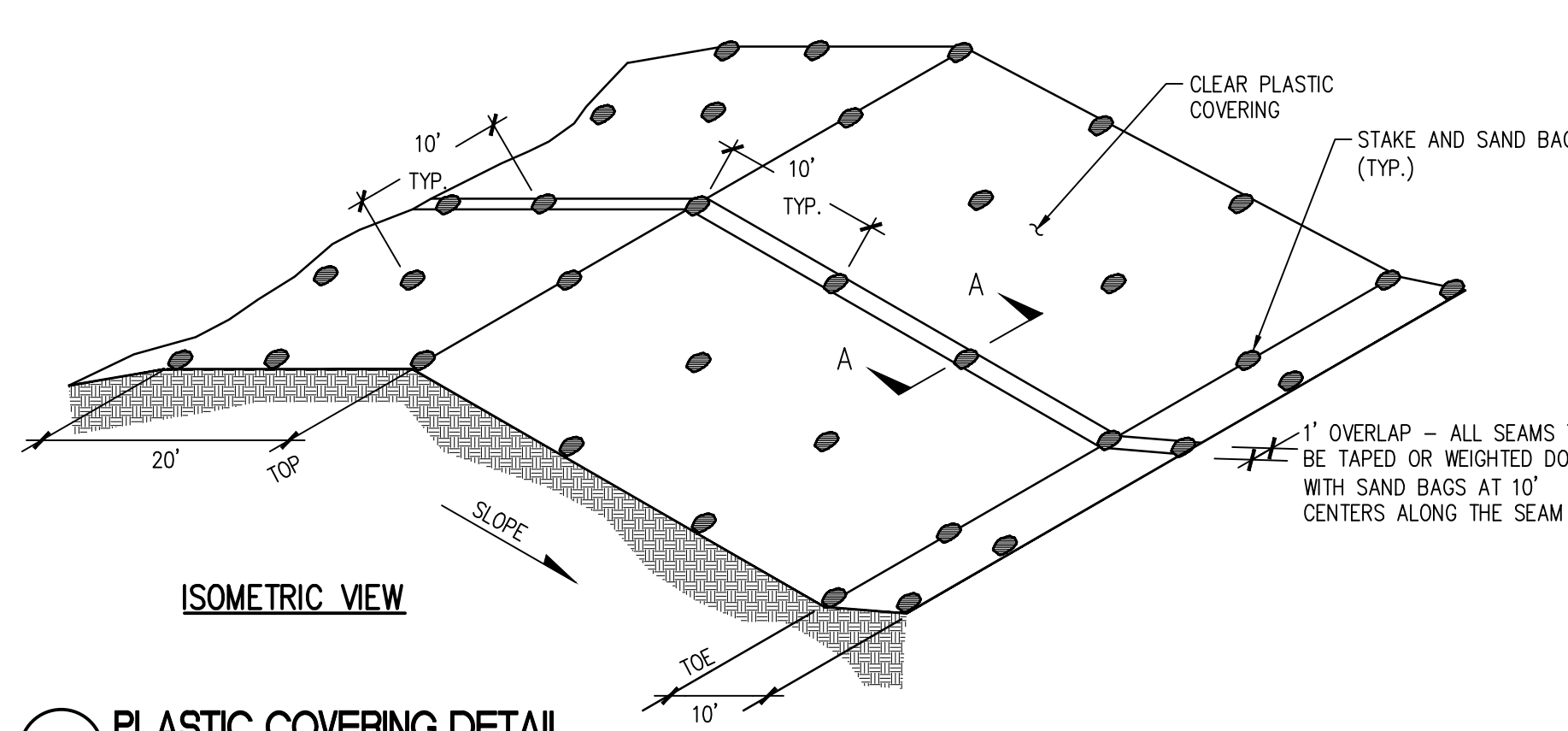
**BCRA**  
 CIVIL 07 OF 32

**C1.4**  
 CITY RESUBMITTAL

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**1 CB PROTECTION DETAIL**  
SCALE: N.T.S.

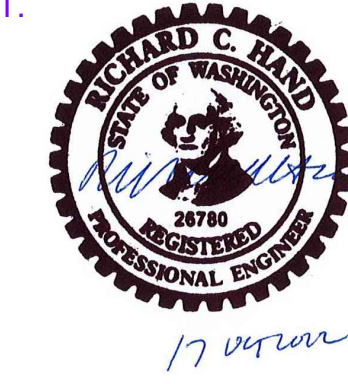


**2 PLASTIC COVERING DETAIL**  
SCALE: N.T.S.

**PLASTIC COVERING NOTES**

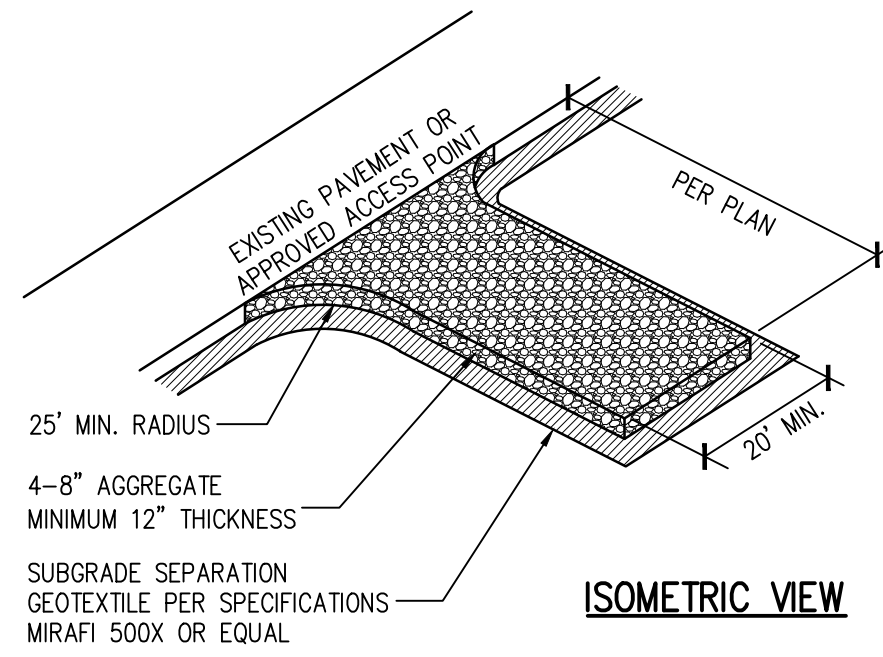
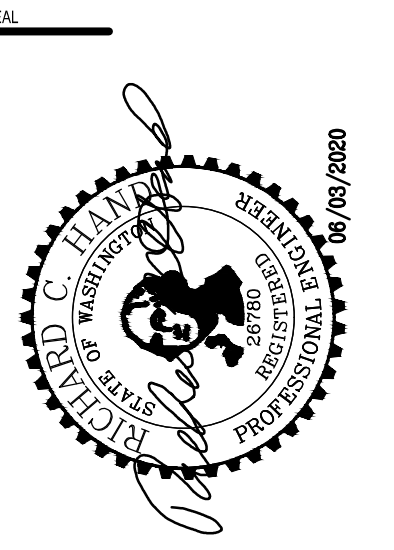
1. PLASTIC SHEETING SHALL HAVE A MINIMUM THICKNESS MEET THE REQUIREMENTS OF THE STATE STANDARD 9-14.5(3).
2. COVERING SHALL BE INSTALLED AND MAINTAINED WITH SANDBAGS OR TIRES ON ROPES WITH A MAXIMUM SPACING OF 12 INCHES. ALL SEAMS SHALL BE TAPED OR WEIGHTED DOWN WITH SAND BAGS AT 12-INCH OVERLAP.
3. CLEAR PLASTIC COVERING SHALL BE INSTALLED BETWEEN NOVEMBER 1 AND MARCH 31 AND REMOVED IMMEDIATELY THEREAFTER.
4. WHEN THE COVERING IS USED ON UN-SEEDED SLOPES, IT SHALL BE REMOVED UNTIL THE NEXT SEEDING PERIOD.
5. PLASTIC COVERING SHEETS SHALL BE BURIED TWO FEET IN ORDER TO PREVENT SURFACE WATER FLOW BEHIND THE COVERING.
6. PROPER MAINTENANCE INCLUDES REGULAR CHECKS AND REPAIRS.

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.



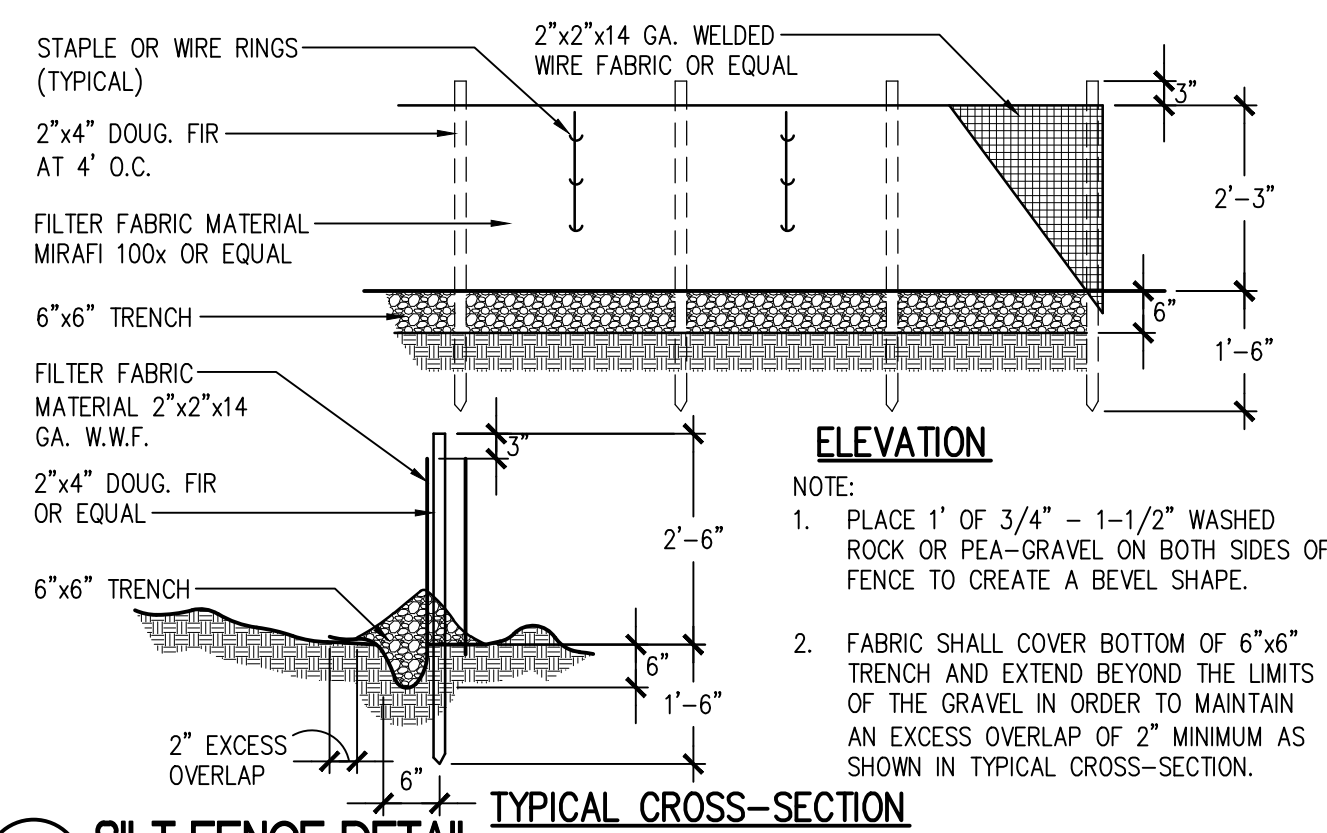
**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: **06-09-20**  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig



**3 CONSTRUCTION ENTRANCE**  
SCALE: N.T.S.

(IF REQUIRED)



**4 SILT FENCE DETAIL**  
SCALE: N.T.S.

**SILT FENCE NOTES**

1. FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY FASTENED AT BOTH ENDS TO POSTS.
2. POSTS SHALL BE SPACED A MAXIMUM OF 6 FEET APART AND DRIVEN SECURELY INTO THE GROUND (MINIMUM OF 30 INCHES).
3. A TRENCH SHALL BE EXCAVATED APPROXIMATELY 8 INCHES WIDE AND 12 INCHES DEEP ALONG THE LINE OF POSTS AND UPSLOPE FROM THE BARRIER. THIS TRENCH SHALL BE BACKFILLED WITH WASHED GRAVEL.
4. WHEN STANDARD STRENGTH FILTER FABRIC IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 1 INCH LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 4 INCHES AND SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
5. THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 20 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 24 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.
6. WHEN EXTRA-STRENGTH FILTER FABRIC AND CLOSER POST SPACING IS USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS WITH ALL OTHER PROVISION OF ABOVE NOTES APPLYING.
7. FILTER FABRIC FENCES SHALL NOT BE REMOVED BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
8. FILTER FABRIC FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
9. SILT FENCES WILL BE INSTALLED PARALLEL TO ANY SLOPE CONTOURS.

**STOCKPILE NOTES**

1. STOCKPILES SHALL BE STABILIZED (WITH PLASTIC COVERING OR OTHER APPROVED DEVICE) DAILY BETWEEN NOVEMBER 1 AND MARCH 31.
2. IN ANY SEASON, SEDIMENT LEACHING FROM STOCKPILES MUST BE PREVENTED.
3. TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET OR WHEN CONDITIONS EXIST THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING.
4. PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE APPROVED PLAN.

**POLLUTION PREVENTION NOTES**

1. EQUIPMENT LUBRICATION AND FUELING OPERATIONS SHALL OCCUR AT EXISTING PAVED AREAS.
2. PREVENT OILS AND FUELS FROM ENTERING THE STORM DRAINAGE SYSTEM WITH PROPER SPILL PREVENTION, CONTROL AND COUNTERMEASURE POLICIES.
3. ACCESS TO CONSTRUCTION IS VIA ADJACENT EXISTING PAVED STREETS. SWEEP DIRT FROM PAVING DAILY OR AS NEEDED. THE INTENT IS TO PREVENT DIRT AND DEBRIS FROM VEHICLES AND EQUIPMENT FROM BEING DEPOSITED ON CITY STREET PAVEMENT. PROTECT EXISTING PERMEABLE PAVEMENTS. USE A REGENERATIVE VACUUM SWEEPER FOR PERMEABLE PAVEMENTS.
4. THE PROJECT SHALL COMPLY WITH 2017 DOE CONSTRUCTION STORMWATER, GENERAL PERMIT REQUIREMENTS AND PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP) REQUIREMENTS. SEE SPECIFICATIONS.

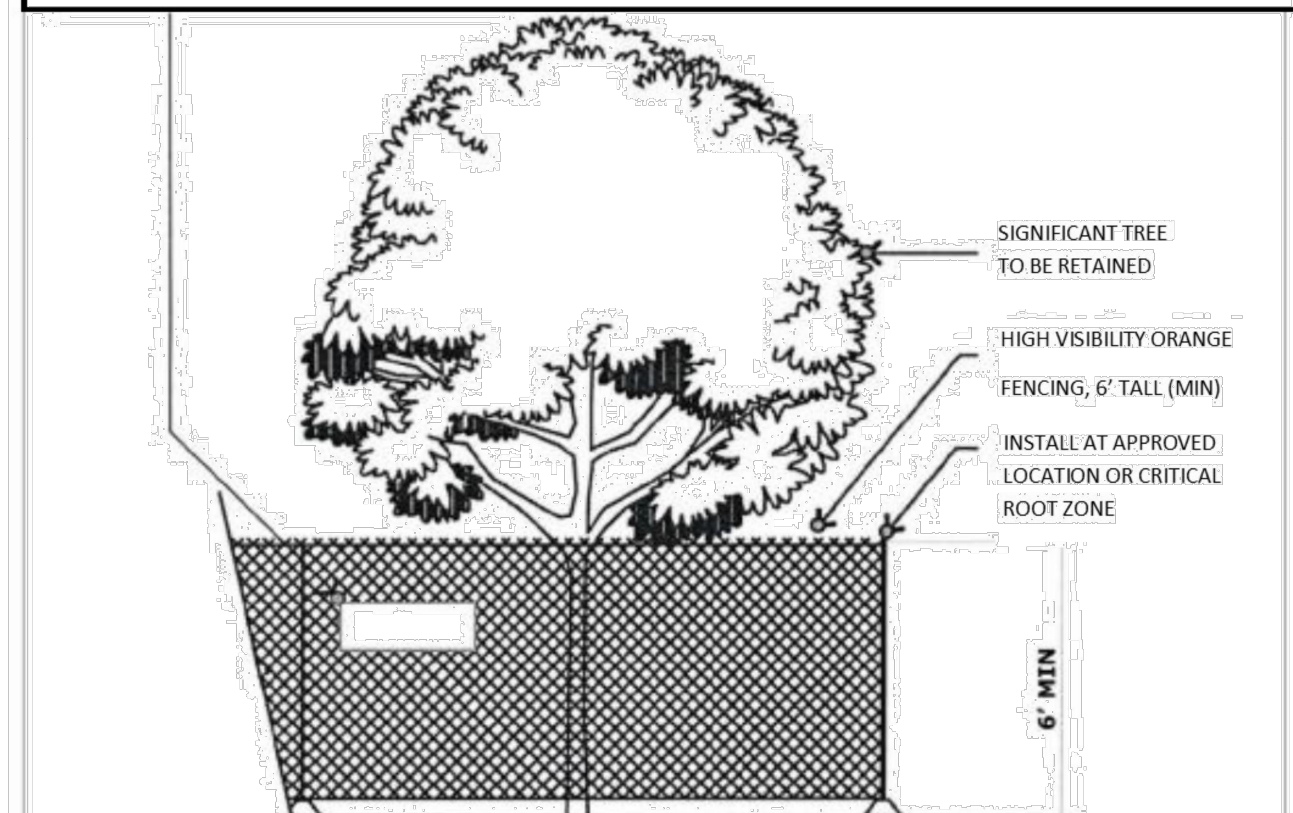
**EROSION CONTROL MAINTENANCE SCHEDULE**

1. EROSION CONTROL FACILITIES SHALL BE INSPECTED AFTER EACH HEAVY RAINFALL EVENT AND REPAIRED OR REVISED FOR IMPROVED EFFECTIVENESS AS NECESSARY.
2. ALL VEHICLES AND EQUIPMENT TO BE ROUTED OVER CONSTRUCTION ENTRANCES PRIOR TO LEAVING THE SITE.
3. DEBRIS TRACKED ONTO THE PAVEMENT SURFACES SHALL BE SWEEPED UP PRIOR TO THE END OF EACH WORKING DAY. CARE MUST BE TAKEN TO KEEP DIRT OUT OF DRAINAGE STRUCTURES AND PUBLIC ROW.

**INSPECTION, MONITORING, DOCUMENTATION AND REPORTING SCHEDULE**

1. EROSION AND SEDIMENT CONTROL (ESC) FACILITIES SHALL NOT BE ALLOWED TO FALL INTO DISREPAIR. THE CONTRACTOR'S TESC LEAD SHALL INSPECT ALL PROJECT FACILITIES IN ACCORDANCE W/DOE NPDES CONSTRUCTION STORMWATER POLLUTION REQUIREMENTS.
2. THE ESC LEAD SHALL IMPLEMENT THE TESC PLAN. IMPLEMENTATION SHALL INCLUDE BUT IS NOT LIMITED TO: INSTALLING, MAINTAINING, INSPECTING MONITORING, DOCUMENTING, REPORTING AND REPAIRING ALL TEMPORARY EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES INCLUDED IN THE PLAN. SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY FIVE WORKING DAYS, EACH WORKING DAY DURING A RUNOFF PRODUCING RAIN EVENT, AND WITHIN 24 HOURS AFTER A RUNOFF PRODUCING RAIN EVENT. ALL PROJECT CONSTRUCTION STORMWATER DISCHARGES SHALL COMPLY W/DOE DISCHARGE REQUIREMENTS.

**TREE PROTECTION ZONE (TPZ)**  
NO ENTRY, NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT, PLACEMENT OF FILL OR TOP SOIL, TRENCHING OR VEHICULAR/FOOT TRAFFIC PERMITTED WITHIN THE TPZ. THIS TREE BARRIER SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM PUYALLUP PLANNING DEPARTMENT—SUBJECT TO FINES AND ENFORCEMENT ACTION BY THE CITY—TO REPORT VIOLATIONS OR FOR MORE INFORMATION—CALL (253) 864-4165



- MINIMUM SIX (6) FOOT HIGH TEMPORARY HIGH VISIBILITY ORANGE CONSTRUCTION FENCING SHALL BE PLACED AT THE CRITICAL ROOT ZONE OR DESIGNATED LIMIT OF DISTURBANCE ON APPROVED FINAL LANDSCAPE PLAN SET. FENCING SHALL BE INSTALLED USING POSTS DRIVEN INTO GROUND—PIER BLOCKS SHALL NOT BE USED. AVOID POSTS DRIVEN INTO ROOTS LARGER THAN 1" DIAMETER. FENCING SHALL BE INSTALLED PRIOR TO WORK COMMENCING ON SITE AND REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION—CALL THE CITY'S PLANNING DIVISION WITH REQUESTS TO MODIFY THE LOCATION OF THE TREE PROTECTION FENCING—(253) 864-4165.
- TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING AND COVERED WITH SOIL AS SOON AS POSSIBLE. OTHER PRE-TREATMENT MEASURES MAY BE REQUIRED TO PROTECT ROOT SYSTEM—SEE APPROVED TREE PROTECTION OR FINAL LANDSCAPE PLAN FOR FURTHER DETAILS.
- NO STOCKPILES OF MATERIALS, VEHICULAR TRAFFIC, PLACEMENT OF TOP SOIL OR FILL MATERIAL, STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE ESTABLISHED FENCING. FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING DIVISION. WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST WITH PRIOR WRITTEN APPROVAL BY THE CITY PLANNING DIVISION.
- THE ABOVE REFERENCED TPZ SIGNS SHALL BE PLACED EVERY 15 FEET ALONG THE FENCING AND SHALL REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION.



**5 TREE AND WETLAND PROTECTION**  
SCALE: N.T.S.

**SITTS & HILL ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

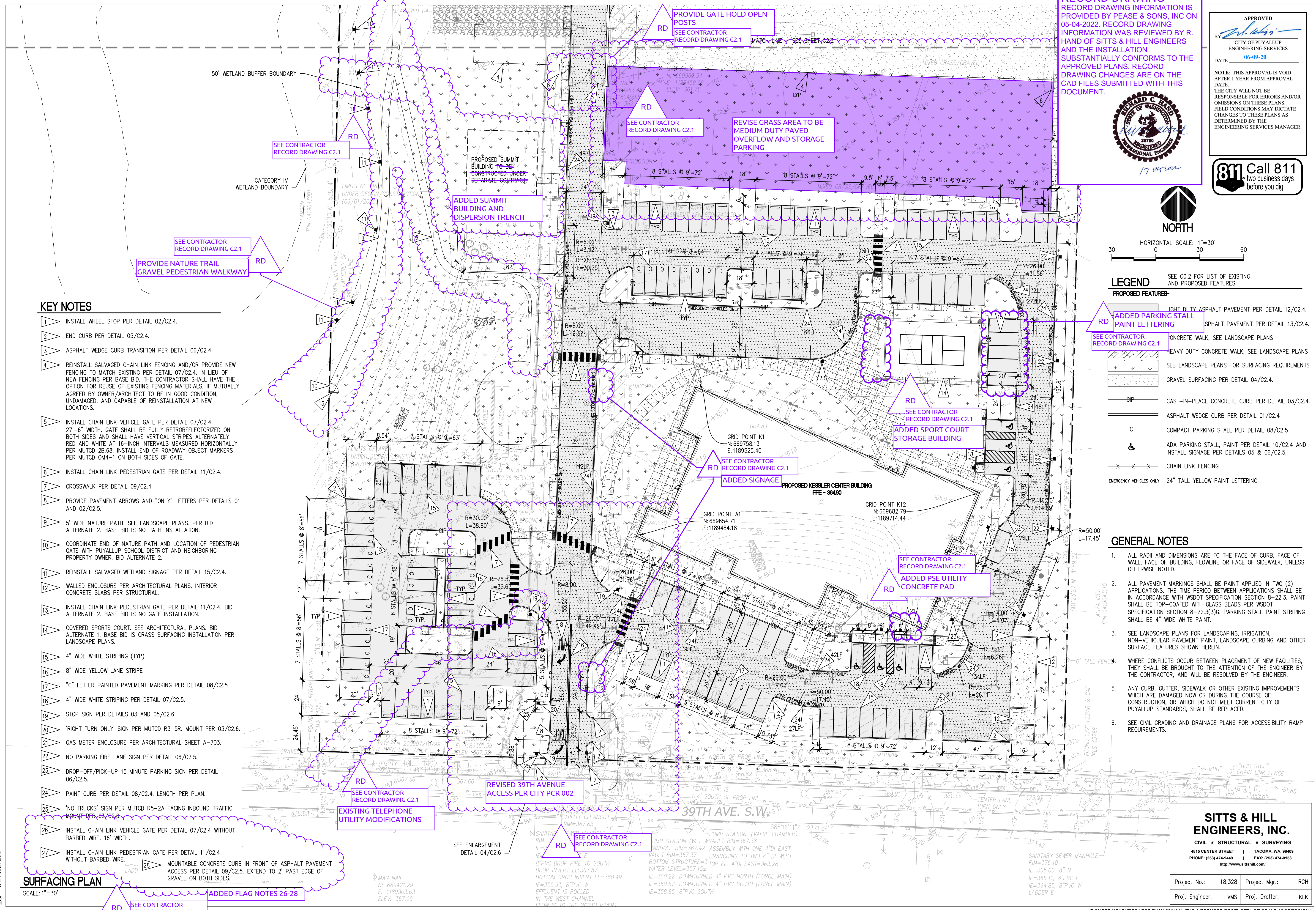
03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: EROSION CONTROL DETAILS



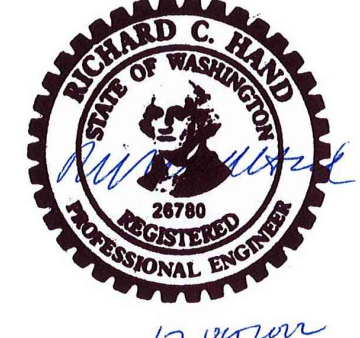
**C1.5**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



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APPROVED  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
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**Call 811**  
 two business days before you dig



HORIZONTAL SCALE: 1"=30'  
 30 0 30 60

**LEGEND** SEE C0.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

- PROPOSED FEATURES-**
- RD ADDED PARKING STALL PAINT LETTERING
  - SEE CONTRACTOR RECORD DRAWING C2.1 CONCRETE WALK, SEE LANDSCAPE PLANS
  - HEAVY DUTY CONCRETE WALK, SEE LANDSCAPE PLANS
  - SEE LANDSCAPE PLANS FOR SURFACING REQUIREMENTS
  - GRAVEL SURFACING PER DETAIL 04/C2.4
  - CIP CAST-IN-PLACE CONCRETE CURB PER DETAIL 03/C2.4
  - ASPHALT WEDGE CURB PER DETAIL 01/C2.4
  - C COMPACT PARKING STALL PER DETAIL 08/C2.5
  - ADA PARKING STALL, PAINT PER DETAIL 10/C2.4 AND INSTALL SIGNAGE PER DETAILS 05 & 06/C2.5
  - CHAIN LINK FENCING
  - EMERGENCY VEHICLES ONLY 24" TALL YELLOW PAINT LETTERING

**GENERAL NOTES**

1. ALL RADII AND DIMENSIONS ARE TO THE FACE OF CURB, FACE OF WALL, FACE OF BUILDING, FLOWLINE OR FACE OF SIDEWALK, UNLESS OTHERWISE NOTED.
2. ALL PAVEMENT MARKINGS SHALL BE PAINT APPLIED IN TWO (2) APPLICATIONS. THE TIME PERIOD BETWEEN APPLICATIONS SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATION SECTION 8-22.3. PAINT SHALL BE TOP-COATED WITH GLASS BEADS PER WSDOT SPECIFICATION SECTION 8-22.3(3). PARKING STALL PAINT STRIPING SHALL BE 4" WIDE WHITE PAINT.
3. SEE LANDSCAPE PLANS FOR LANDSCAPING, IRRIGATION, NON-VEHICULAR PAVEMENT PAINT, LANDSCAPE CURBING AND OTHER SURFACE FEATURES SHOWN HEREIN.
4. WHERE CONFLICTS OCCUR BETWEEN PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
5. ANY CURB, GUTTER, SIDEWALK OR OTHER EXISTING IMPROVEMENTS WHICH ARE DAMAGED NOW OR DURING THE COURSE OF CONSTRUCTION, OR WHICH DO NOT MEET CURRENT CITY OF PUYALLUP STANDARDS, SHALL BE REPLACED.
6. SEE CIVIL GRADING AND DRAINAGE PLANS FOR ACCESSIBILITY RAMP REQUIREMENTS.

**KEY NOTES**

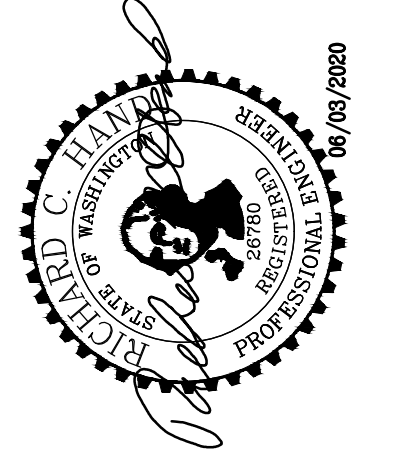
1. INSTALL WHEEL STOP PER DETAIL 02/C2.4.
2. END CURB PER DETAIL 05/C2.4.
3. ASPHALT WEDGE CURB TRANSITION PER DETAIL 06/C2.4.
4. REINSTALL SALVAGED CHAIN LINK FENCING AND/OR PROVIDE NEW FENCING TO MATCH EXISTING PER DETAIL 07/C2.4. IN LIEU OF NEW FENCING PER BASE BID, THE CONTRACTOR SHALL HAVE THE OPTION FOR REUSE OF EXISTING FENCING MATERIALS, IF MUTUALLY AGREED BY OWNER/ARCHITECT TO BE IN GOOD CONDITION, UNDAMAGED, AND CAPABLE OF REINSTALLATION AT NEW LOCATIONS.
5. INSTALL CHAIN LINK VEHICLE GATE PER DETAIL 07/C2.4. 27'-6" WIDTH. GATE SHALL BE FULLY RETROREFLECTORIZED ON BOTH SIDES AND SHALL HAVE VERTICAL STRIPES ALTERNATELY RED AND WHITE AT 16-INCH INTERVALS MEASURED HORIZONTALLY PER MUTCD 2B.68. INSTALL END OF ROADWAY OBJECT MARKERS PER MUTCD 0M4-1 ON BOTH SIDES OF GATE.
6. INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4.
7. CROSSWALK PER DETAIL 09/C2.4.
8. PROVIDE PAVEMENT ARROWS AND "ONLY" LETTERS PER DETAILS 01 AND 02/C2.5.
9. 5' WIDE NATURE PATH. SEE LANDSCAPE PLANS. PER BID ALTERNATE 2. BASE BID IS NO PATH INSTALLATION.
10. COORDINATE END OF NATURE PATH AND LOCATION OF PEDESTRIAN GATE WITH PUYALLUP SCHOOL DISTRICT AND NEIGHBORING PROPERTY OWNER. BID ALTERNATE 2.
11. REINSTALL SALVAGED WETLAND SIGNAGE PER DETAIL 15/C2.4.
12. WALLED ENCLOSURE PER ARCHITECTURAL PLANS. INTERIOR CONCRETE SLABS PER STRUCTURAL.
13. INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4. BID ALTERNATE 2. BASE BID IS NO GATE INSTALLATION.
14. COVERED SPORTS COURT. SEE ARCHITECTURAL PLANS. BID ALTERNATE 1. BASE BID IS GRASS SURFACING INSTALLATION PER LANDSCAPE PLANS.
15. 4" WIDE WHITE STRIPING (TYP)
16. 8" WIDE YELLOW LANE STRIPE
17. "C" LETTER PAINTED PAVEMENT MARKING PER DETAIL 08/C2.5
18. 4" WIDE WHITE STRIPING PER DETAIL 07/C2.5.
19. STOP SIGN PER DETAILS 03 AND 05/C2.6.
20. "RIGHT TURN ONLY" SIGN PER MUTCD R3-5R. MOUNT PER 03/C2.6.
21. GAS METER ENCLOSURE PER ARCHITECTURAL SHEET A-703.
22. NO PARKING FIRE LANE SIGN PER DETAIL 06/C2.5.
23. DROP-OFF/PICK-UP 15 MINUTE PARKING SIGN PER DETAIL 06/C2.5.
24. PAINT CURB PER DETAIL 08/C2.4. LENGTH PER PLAN.
25. "NO TRUCKS" SIGN PER MUTCD R5-2A FACING INBOUND TRAFFIC. MOUNT PER 03/C2.6.
26. INSTALL CHAIN LINK VEHICLE GATE PER DETAIL 07/C2.4 WITHOUT BARBED WIRE. 16" WIDHT.
27. INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4 WITHOUT BARBED WIRE.
28. MOUNTABLE CONCRETE CURB IN FRONT OF ASPHALT PAVEMENT ACCESS PER DETAIL 09/C2.5. EXTEND TO 2' PAST EDGE OF GRAVEL ON BOTH SIDES.

**SURFACING PLAN**

SCALE: 1"=30'

**SITTS & HILL ENGINEERS, INC.**  
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 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK



PROJECT  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
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03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020

BCRA NO.: 18103

DRAWN BY:

REVIEWED BY:

SHEET TITLE: SURFACING PLAN

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 SHEET: CIVIL 09 OF 32

**C2.1**

CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**KEY NOTES**

- 1 INSTALL WHEEL STOP PER DETAIL 02/C2.4.
- 2 END CURB PER DETAIL 05/C2.4.
- 3 ASPHALT WEDGE CURB TRANSITION PER DETAIL 06/C2.4.
- 4 REINSTALL SALVAGED CHAIN LINK FENCING AND/OR PROVIDE NEW FENCING TO MATCH EXISTING PER DETAIL 07/C2.4. IN LIEU OF NEW FENCING PER BASE BID, THE CONTRACTOR SHALL HAVE THE OPTION FOR REUSE OF EXISTING FENCING MATERIALS, IF MUTUALLY AGREED BY OWNER/ARCHITECT TO BE IN GOOD CONDITION, UNDAMAGED, AND CAPABLE OF REINSTALLATION AT NEW LOCATIONS.
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- 6 INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4.
- 7 CROSSWALK PER DETAIL 09/C2.4.
- 8 PROVIDE PAVEMENT ARROWS AND "ONLY" LETTERS PER DETAILS 01 AND 02/C2.5.
- 9 5' WIDE NATURE PATH. SEE LANDSCAPE PLANS. PER BID ALTERNATE 2. BASE BID IS NO PATH INSTALLATION.
- 10 COORDINATE END OF NATURE PATH AND LOCATION OF PEDESTRIAN GATE WITH PUYALLUP SCHOOL DISTRICT AND NEIGHBORING PROPERTY OWNER. BID ALTERNATE 2.
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- 28 MOUNTABLE CONCRETE CURB IN FRONT OF ASPHALT PAVEMENT ACCESS PER DETAIL 09/C2.5. EXTEND TO 2' PAST EDGE OF GRAVEL ON BOTH SIDES.

CCD-051 - 2. Nature Trail At West Side: Delete the Nature Trail, including the wood chip surface from pathway. Cover the Trail pathway with topsoil pulled from both sides of path and hydroseed next Spring along with adjacent areas. Credit for this work shall be (\$2,482.00).

Pothole existing telephone line and confirm depth is 8" to 12" below new finished grade; lower conduit as required to avoid damage from equipment

Lower existing 2" conduit down to a depth of 24" to 30" below finish grade

Slope existing 2" conduit down to a depth of 24" to 30" below finish grade in paved area

CCD-024 - Existing Underground Telephone Line At SW Corner of Site:  
 - Pothole the telephone line at several locations to confirm it is at least 8" to 12" below the new finish grades and will not be damaged by equipment working over it.  
 - Lower the existing conduit with telephone line 24" to 30" below finish grade as shown on attached Partial Site Plan.  
 - Protect existing telephone line from damage during construction.

RFI-094 - Century Link requires this phone line to be in conduit. Depth of conduit below finish grade shall be as approved by Century Link. Locate the hand hole in the landscape area as noted on plan below.

CCD-042 - 2. Hold-Open Latches On Entrance Drive Gate: Install means to hold gate leaves open as shown on attached partial Surfacing Plan C2.1.

STEEL PIPE IN CONCRETE TO RECEIVE DROP ROD ON END OF GATE. LOCATE IN ASPHALT PAVEMENT AT EDGE OF CONCRETE CURB

GATE HOLD-OPEN LATCH MOUNTED ON STEEL PIPE IN CONCRETE

CCD-025 - COP #28R: Proceed with the overflow parking area revisions outlined in COP #28R. Overflow Parking Area Revisions: This COP revises the hydroseeded overflow parking area to be paved with asphalt paving; revise as follows: Sheet C2.1.  
 1. Replace Sheet C2.1 with revised Sheet C2.1 attached;  
 2. Revise surfacing between parking lot and bus turning from gravel to heavy medium duty asphalt pavement.  
 3. Add vehicle access to new pavement area from the east side of the parking lot. This will require the deletion of two parking spaces and an asphalt wedge curb.  
 4. Revise the sidewalk on the east side of the new pavement area. Walk is shifted over to maintain 24' dimension for vehicle access.  
 5. Add landscape islands at west end of new pavement area

RFI-296 - Storage shed top of floor slab elevation shall be at 363.0416 and should be about 1/2" above the concrete walkway elevation of 363.00 contour line shown on Sheet C3.1 at the door on north side; field verify and coordinate with concrete walkway. Concrete walkway slopes down from this doorway to the north. Set concrete walkway at door threshold 1/4" below top of floor elevation in storage shed to accommodate the threshold configuration.

Call 811 two business days before you dig

RFI-292 - 1. Confirmed, the slab on grade reinforcing should be #4 at 18" on center each way. 2. The #5 vertical bars are to be per the attached sketch.

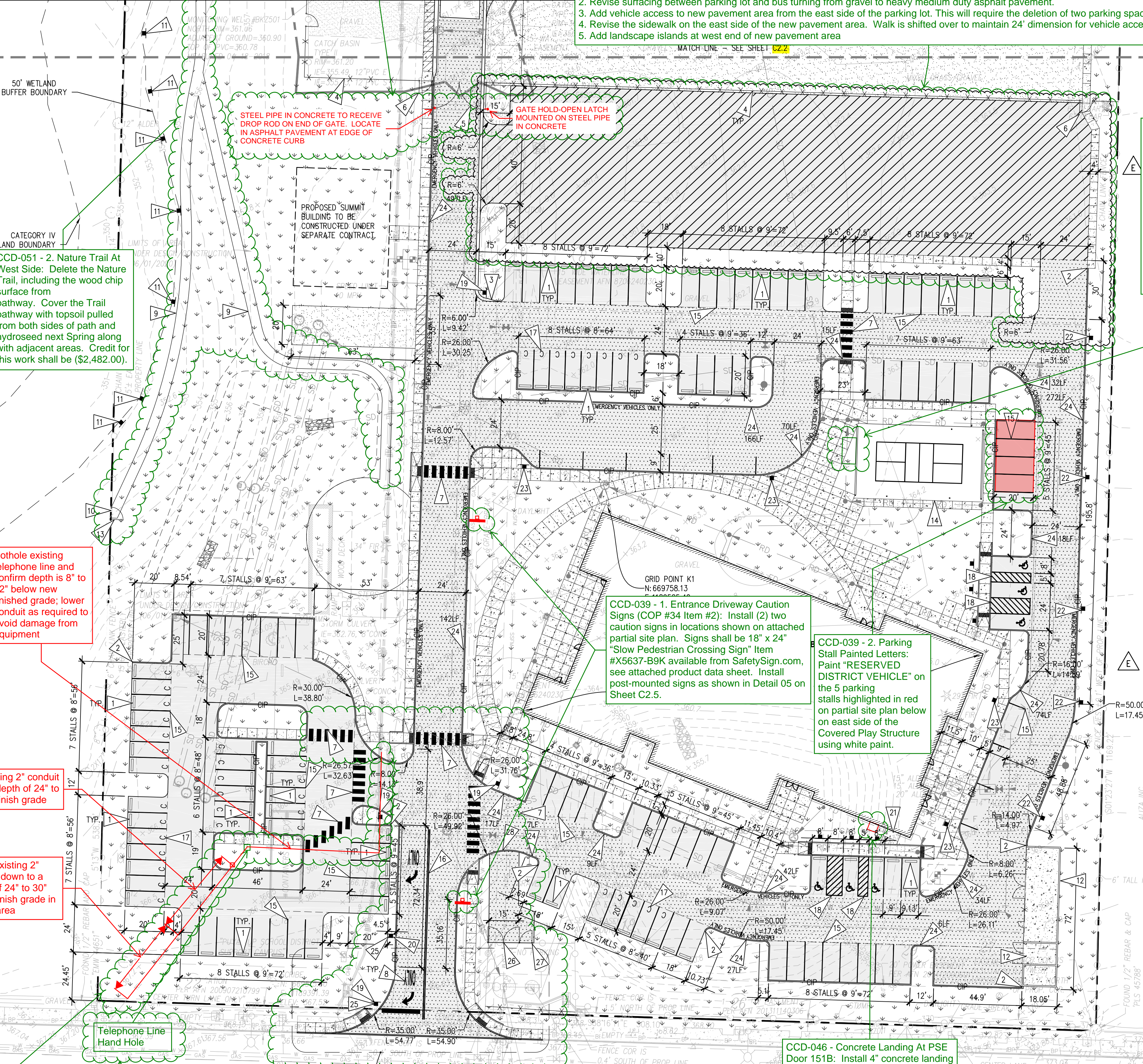
CCD-017 - COP #27 - Storage Room Addition On Covered Sport Court: Proceed with the work of COP #27. Landscape Drawings L-101, L-201, L-301, L-304, L-401 are added for landscape work clarity at this Storage Room. Top of floor slab elevation in Storage Room shall be 1/4" higher than concrete pavement elevation shown on Civil Drawings at door location on north side.

**LEGEND**

- PROPOSED FEATURES-
- [Symbol] LIGHT DUTY ASPHALT PAVEMENT PER DETAIL 12/C2.4.
  - [Symbol] HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 13/C2.4.
  - [Symbol] CONCRETE WALK, SEE LANDSCAPE PLANS
  - [Symbol] HEAVY DUTY CONCRETE WALK, SEE LANDSCAPE PLANS
  - [Symbol] SEE LANDSCAPE PLANS FOR SURFACING REQUIREMENTS
  - [Symbol] GRAVEL SURFACING PER DETAIL 04/C2.4.
  - [Symbol] CAST-IN-PLACE CONCRETE CURB PER DETAIL 03/C2.4.
  - [Symbol] ASPHALT WEDGE CURB PER DETAIL 01/C2.4.
  - [Symbol] COMPACT PARKING STALL PER DETAIL 08/C2.5.
  - [Symbol] ADA PARKING STALL, PAINT PER DETAIL 10/C2.4 AND INSTALL SIGNAGE PER DETAILS 05 & 06/C2.5.
  - [Symbol] CHAIN LINK FENCING
  - [Symbol] EMERGENCY VEHICLES ONLY 24" TALL YELLOW PAINT LETTERING
  - [Symbol] MEDIUM DUTY ASPHALT PAVEMENT PER DETAIL 10/C2.5.

**GENERAL NOTES**

1. ALL RADII AND DIMENSIONS ARE TO THE FACE OF CURB, FACE OF WALL, FACE OF BUILDING, FLOWLINE OR FACE OF SIDEWALK, UNLESS OTHERWISE NOTED.
2. ALL PAVEMENT MARKINGS SHALL BE PAINT APPLIED IN TWO (2) APPLICATIONS. THE TIME PERIOD BETWEEN APPLICATIONS SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATION SECTION 8-22.3. PAINT SHALL BE TOP-COATED WITH GLASS BEADS PER WSDOT SPECIFICATION SECTION 8-22.3(3). PARKING STALL PAINT STRIPING SHALL BE 4" WIDE WHITE PAINT.
3. SEE LANDSCAPE PLANS FOR LANDSCAPING, IRRIGATION, NON-VEHICULAR PAVEMENT PAINT, LANDSCAPE CURBING AND OTHER SURFACE FEATURES SHOWN HEREIN.
4. WHERE CONFLICTS OCCUR BETWEEN PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
5. ANY CURB, GUTTER, SIDEWALK OR OTHER EXISTING IMPROVEMENTS WHICH ARE DAMAGED NOW OR DURING THE COURSE OF CONSTRUCTION, OR WHICH DO NOT MEET CURRENT CITY OF PUYALLUP STANDARDS, SHALL BE REPLACED.
6. SEE CIVIL GRADING AND DRAINAGE PLANS FOR ACCESSIBILITY RAMP REQUIREMENTS.



CCD-039 - 1. Entrance Driveway Caution Signs (COP #34 Item #2): Install (2) two caution signs in locations shown on attached partial site plan. Signs shall be 18" x 24" "Slow Pedestrian Crossing Sign" Item #X5637-B9K available from SafetySign.com, see attached product data sheet. Install post-mounted signs as shown in Detail 05 on Sheet C2.5.

CCD-039 - 2. Parking Stall Painted Letters: Paint "RESERVED DISTRICT VEHICLE" on the 5 parking stalls highlighted in red on partial site plan below on east side of the Covered Play Structure using white paint.

CCD-046 - Concrete Landing At PSE Door 151B: Install 4" concrete landing outside of Door 151B (door added by CCD #7R). Landing shall be 42" wide and extend through planting area to edge of grass as shown on attached partial Landscape Plan.

COP#5 - 39th Avenue Entrance Access Revisions: See attached Civil and Landscape Architecture Description of Work for the 39th Avenue Access Changes in City of Puyallup Plan Change Request #002.

**SITTS & HILL ENGINEERS, INC.**  
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 4815 CENTER STREET | TACOMA, WA 98409  
 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sitts-hill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

- RFI-094 - 9/22/20
- COP#5 3/19/21
- CCD-017 5/19/21
- RFI-292 6/3/21
- RFI-296 6/18/21
- CCD-024 7/14/21
- CCD-025 7/15/21
- CCD-039 9/29/21
- CCD-042 10/13/21
- CCD-046 11/5/21
- CCD-051 12/14/21

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07
10-27-2020	PCR 002 RESUBMITTAL
01-04-2021	RFI 159
05-03-2021	COP 28

DATE: 02.26.2020

BCRA NO.: 18103  
 DRAWN BY: [Blank]  
 REVIEWED BY: [Blank]  
 SHEET TITLE: SURFACING PLAN

**BCRA**  
 CIVIL 09 OF 32

**C2.1**

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**LEGEND** SEE C0.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

- PROPOSED FEATURES-**
- HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 13/C2.4.
  - CONCRETE WALK, SEE LANDSCAPE PLANS
  - HEAVY DUTY CONCRETE WALK, SEE LANDSCAPE PLANS
  - SEE LANDSCAPE PLANS FOR SURFACING REQUIREMENTS
  - GRAVEL SURFACING PER DETAIL 04/C2.4.
  - CAST-IN-PLACE CONCRETE CURB PER DETAIL 03/C2.4
  - ASPHALT WEDGE CURB PER DETAIL 01/C2.4
  - CONCRETE ROLLED CURB PER DETAIL 07/C2.6

RD ADD ROLLED CURB TO LEGEND

**GENERAL NOTES**

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2. ALL PAVEMENT MARKINGS SHALL BE PAINT APPLIED IN TWO (2) APPLICATIONS. THE TIME PERIOD BETWEEN APPLICATIONS SHALL BE IN ACCORDANCE WITH WSDOT SPECIFICATION SECTION 8-22.3. PAINT SHALL BE TOP-COATED WITH GLASS BEADS PER WSDOT SPECIFICATION SECTION 8-22.3(3)G. PARKING STALL PAINT STRIPING SHALL BE 4" WIDE WHITE PAINT.
3. SEE LANDSCAPE PLANS FOR LANDSCAPING, IRRIGATION, NON-VEHICULAR PAVEMENT PAINT, LANDSCAPE CURBING AND OTHER SURFACE FEATURES SHOWN HEREIN.
4. WHERE CONFLICTS OCCUR BETWEEN PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
5. ANY CURB, GUTTER, SIDEWALK OR OTHER EXISTING IMPROVEMENTS WHICH ARE DAMAGED NOW OR DURING THE COURSE OF CONSTRUCTION, OR WHICH DO NOT MEET CURRENT CITY OF PUYALLUP STANDARDS, SHALL BE REPLACED.
6. SEE CIVIL GRADING AND DRAINAGE PLANS FOR ACCESSIBILITY RAMP REQUIREMENTS.

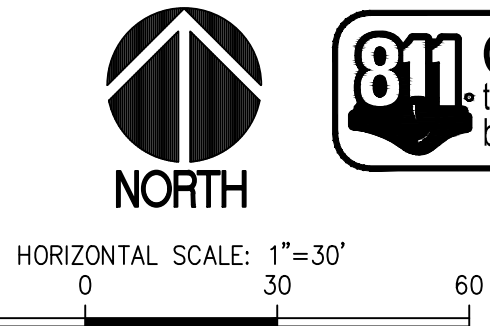
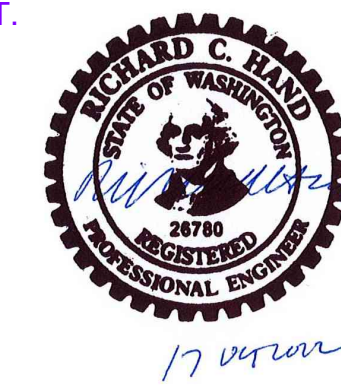
**KEY NOTES**

- 1 REINSTALL SALVAGED CHAIN LINK FENCING AND/OR PROVIDE NEW FENCING TO MATCH EXISTING PER DETAIL 07/C2.4.
- 2 INSTALL CHAIN LINK VEHICLE GATE PER DETAIL 07/C2.4. 27'-6" WIDTH.
- 3 INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4.
- 4 CROSSWALK PER DETAIL 09/C2.4.
- 5 PROVIDE ASPHALT JOINT PER DETAIL 14/C2.4.
- 6 5' WIDE NATURE PATH. SEE LANDSCAPE PLANS. PER BID ALTERNATE 2. BASE BID IS NO PATH INSTALLATION.
- 7 COORDINATE END OF NATURE PATH WITH PUYALLUP SCHOOL DISTRICT AND NEIGHBORING PROPERTY OWNER. BID ALTERNATE 2.
- 8 REINSTALL SALVAGED WETLAND SIGNAGE PER DETAIL 15/C2.4.
- 9 INSTALL NEW WETLAND SIGNAGE PER DETAIL 15/C2.4.
- 10 INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4. IN BID ALTERNATE 2. BASE BID IS NO GATE INSTALLATION.
- 11 ASPHALT WEDGE CURB TRANSITION PER DETAIL 06/C2.4.

12 ROLLED CURB TO CAST-IN-PLACE CURB TRANSITION PER DETAIL 08/C2.6.

RD ADD KEY NOTE 12

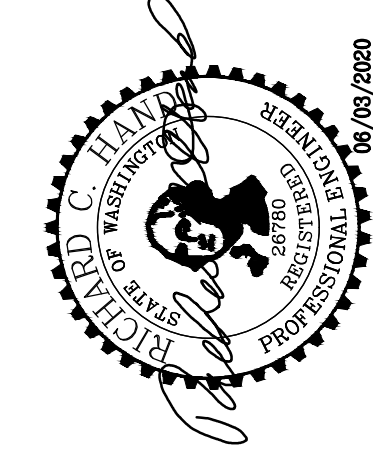
**RECORD DRAWING**  
 RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBMITTED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.



**811 Call 811**  
 two business days before you dig

**APPROVED**  
 BY *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



**PROJECT**  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

**DATE:** 02.26.2020  
**BCRA NO.:** 18103  
**DRAWN BY:**  
**REVIEWED BY:**  
**SHEET TITLE:** SURFACING PLAN

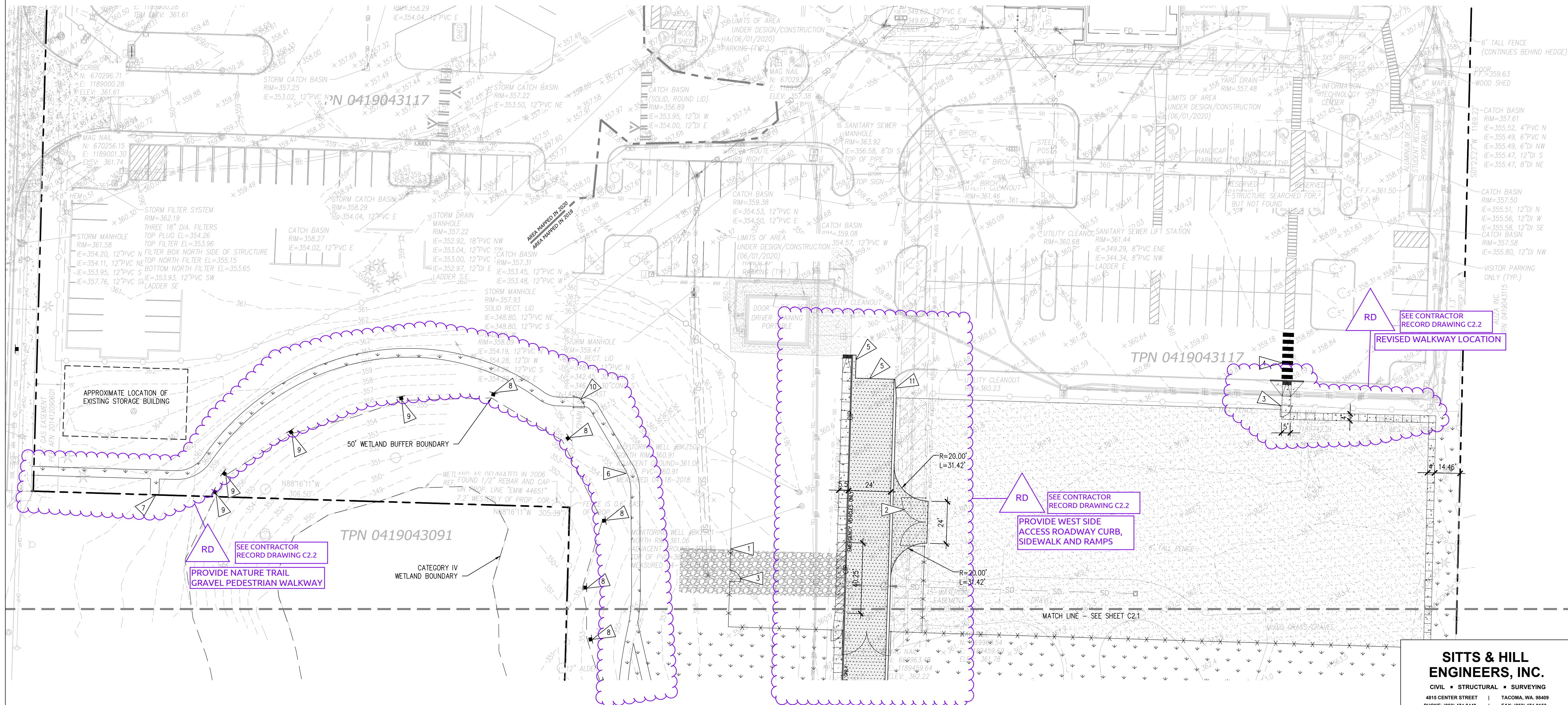
**BCRA**  
 CIVIL 10 OF 32

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 http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
 Proj. Engineer: VMS Proj. Drafter: KLK

**C2.2**  
 CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



**SURFACING PLAN**  
 SCALE: 1"=30'

**LEGEND** SEE C0.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

**PROPOSED FEATURES-**

	HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 13/C2.4.
	CONCRETE WALK, SEE LANDSCAPE PLANS
	HEAVY DUTY CONCRETE WALK, SEE LANDSCAPE PLANS
	SEE LANDSCAPE PLANS FOR SURFACING REQUIREMENTS
	GRAVEL SURFACING PER DETAIL 04/C2.4.
	CAST-IN-PLACE CONCRETE CURB PER DETAIL 03/C2.4
	ASPHALT WEDGE CURB PER DETAIL 01/C2.4
	CONCRETE ROLLED CURB PER DETAIL 07/C2.6

**GENERAL NOTES**

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- SEE CIVIL GRADING AND DRAINAGE PLANS FOR ACCESSIBILITY RAMP REQUIREMENTS.

**KEY NOTES**

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- INSTALL CHAIN LINK VEHICLE GATE PER DETAIL 07/C2.4. 27'-6" WIDTH.
- INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4.
- CROSSWALK PER DETAIL 09/C2.4.
- PROVIDE ASPHALT JOINT PER DETAIL 14/C2.4.
- 5' WIDE NATURE PATH. SEE LANDSCAPE PLANS, PER BID ALTERNATE 2. BASE BID IS NO PATH INSTALLATION.
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- INSTALL CHAIN LINK PEDESTRIAN GATE PER DETAIL 11/C2.4. IN BID ALTERNATE 2. BASE BID IS NO GATE INSTALLATION.
- ASPHALT WEDGE CURB TRANSITION PER DETAIL 06/C2.4.
- ROLLED CURB TO CAST-IN-PLACE CURB TRANSITION PER DETAIL 08/C2.6.

**COP7R - Revisions On Entrance Road:** Make revisions as noted on attached Civil Sheets C1.2, C2.2, C2.6, C3.2 and C3.4:

- Delete asphalt pavement on entrance road already installed previously by Owner; refer to attached Sheet C2.2 for location and extent.
- Revise standard sidewalk on west side of entrance road to thickened sidewalk with rolled curb; refer to attached Drawings for location and extent.
- Construct ADA accessible ramp at north end of sidewalk as noted on attached Drawings.
- Add sidewalk on west side of entrance road alongside the existing bus driver's portable as noted on attached Drawings.

**CCD-014 - Sidewalk Revision:** Revise location of concrete sidewalk as shown on Sheet C2.2 attached.

**RAMP WITH 1:12 SLOPE**  
**RELOCATE SIDEWALK NORTH OF FENCE**  
**GATE**

**CCD-051 - 2. Nature Trail At West Side:** Delete the Nature Trail, including the wood chip surface from pathway. Cover the Trail pathway with topsoil pulled from both sides of path and hydroseed next Spring along with adjacent areas. Credit for this work shall be (\$2,482.00).

**SURFACING PLAN**

SCALE: 1"=30'

**APPROVED**

BY: \_\_\_\_\_  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES

DATE: \_\_\_\_\_

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
 two business days before you dig



HORIZONTAL SCALE: 1"=30'



- COP7R 10/6/20
- CCD-014 5/18/21
- CCD-051 12/14/21

**PROJECT**  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07

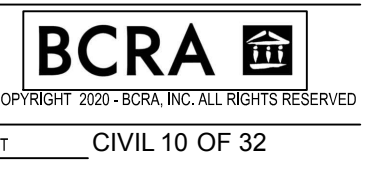
**DATE**  
02.26.2020

**BCRA NO.**  
18103

**DRAWN BY:**

**REVIEWED BY:**

**SHEET TITLE**  
SURFACING PLAN



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Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**C2.2**

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

LEGEND SEE CO.2 FOR LIST OF EXISTING AND PROPOSED FEATURES

- PROPOSED FEATURES-**
- HEAVY DUTY ASPHALT PAVEMENT PER DETAIL 13/C2.4.
  - CONCRETE WALK PER DETAIL 03/C2.5.
  - LANDSCAPING, SEE LANDSCAPE PLANS
  - CURB AND GUTTER PER DETAIL 04/C2.5.
  - CHAIN LINK FENCING

**GENERAL NOTES**

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4. WHERE CONFLICTS OCCUR BETWEEN PLACEMENT OF NEW FACILITIES, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR, AND WILL BE RESOLVED BY THE ENGINEER.
5. SIDEWALK RAMPS SHALL CONFORM TO DETAIL 02/C2.3.
6. ANY CURB, GUTTER, SIDEWALK OR OTHER EXISTING IMPROVEMENTS WHICH ARE DAMAGED NOW OR DURING THE COURSE OF CONSTRUCTION, OR WHICH DO NOT MEET CURRENT CITY OF PUYALLUP STANDARDS, SHALL BE REPLACED.

**KEY NOTES**

1. INSTALL SLIDING HIGH SECURITY VEHICLE GATE. 42' WIDTH. SEE SPECS. GATE SHALL BE FULLY RETROREFLECTORIZED ON BOTH SIDES AND SHALL HAVE VERTICAL STRIPES ALTERNATELY RED AND WHITE AT 16-INCH INTERVALS MEASURED HORIZONTALLY. INSTALL END OF ROADWAY OBJECT MARKERS PER MUTCD 0M4-1 ON BOTH SIDES OF GATE.
2. PROVIDE ASPHALT JOINT PER DETAIL 14/C2.4.
3. CROSS GUTTER PER DETAIL 01 & 02/C2.3.
4. PROVIDE TYPE III BARRICADE PER DETAIL 02/C2.6.
5. NEW FENCING AS REQUIRED FOR NEW VEHICLE GATE. SEE SPECS.
6. PROVIDE GATE RAIL IN CONCRETE PAD. PAD TO BE 12" WIDE X 8" DEEP, REINFORCED WITH TWO #5 BARS.

**RECORD DRAWING**  
 RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

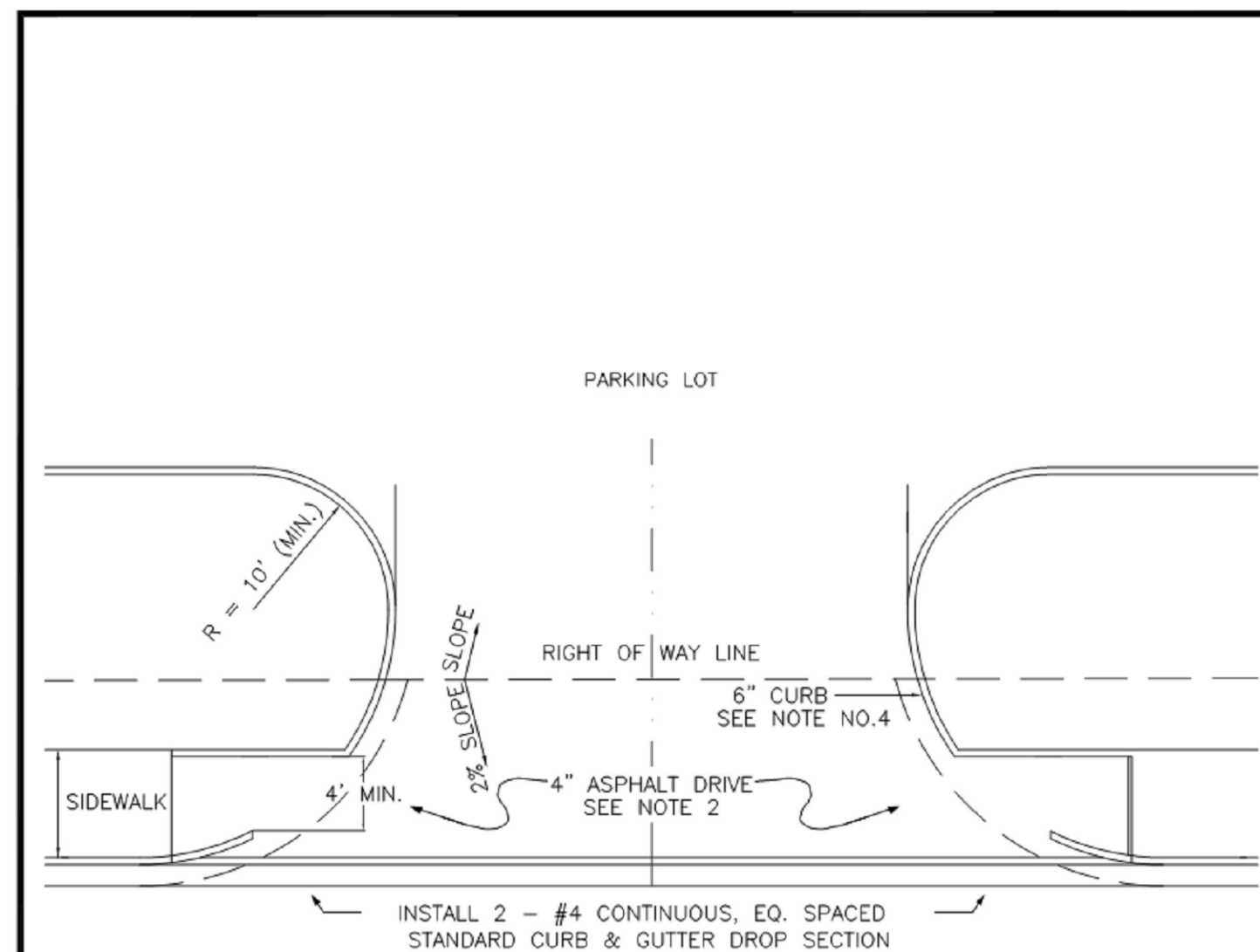


**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

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 two business days before you dig



HORIZONTAL SCALE: 1"=10'  
 10 0 10 20



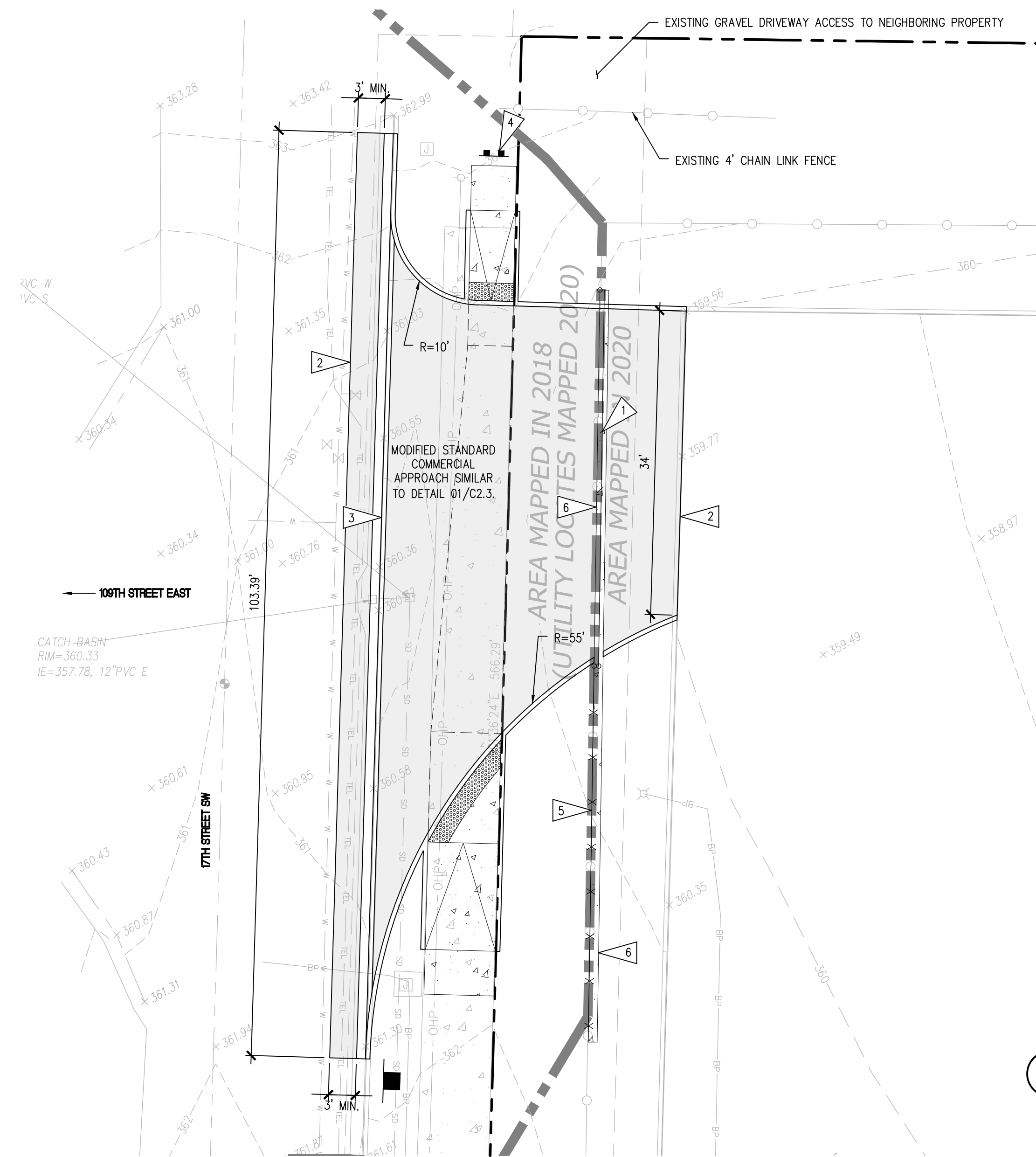
- NOTES:**
1. TYPICAL COMMERCIAL APPROACHES SHALL BE 30' WIDE AND INCLUDE 35' CURB RADI IF TRUCKS ARE EXPECTED TO USE THE APPROACH, DRIVEWAY WIDTH, CHANNELIZATION, AND CURB RADI SHALL BE BASED ON AN APPROVED TURNING MOVEMENT ANALYSIS.
  2. ALL ASPHALT PAVEMENT MUST CONFORM TO CITY STANDARD NO. 01.01.01.
  3. APPROACH SHALL BE ASPHALT WITH STANDARD CURB AND GUTTER PLACED ON EACH SIDE OF THE APPROACH.
  4. WHEEL CHAIR RAMPS SHALL BE INSTALLED IN ACCORDANCE TO ALL APPLICABLE STANDARDS. DETECTABLE WARNING PATTERNS SHALL BE CONSTRUCTED AT A DRIVEWAY ONLY WHEN IT WILL BE SIGNALIZED. CURB RAMP SLOPE SHALL NOT EXCEED 8.3% AS MEASURE BY A SMART LEVEL, UNLESS RAMP LENGTH IS EXTENDED TO 15'. SEE DETAIL 01.02.19 FOR ADDITIONAL ADA RAMP INFORMATION.
  5. SPACING OF COMMERCIAL APPROACHES ON PRINCIPAL AND MINOR ARTERIALS SHALL BE MINIMUM 300' AND SPACING ON COLLECTORS SHALL BE MINIMUM 150', MEASURED BETWEEN THE CLOSEST EDGES OF EACH DRIVEWAY. THIS REQUIREMENT IS ALSO APPLICABLE TO THE DRIVEWAYS THAT ARE ACROSS THE STREET.
  6. SPACING OF COMMERCIAL APPROACHES FROM PRINCIPAL AND MINOR ARTERIALS SHALL BE MINIMUM 300' AND SPACING FROM A COLLECTOR SHALL BE MINIMUM 150', MEASURED FROM NEAREST ROW LINE TO APPROACH PAVEMENT EDGE. THE CITY MAY BE MORE RESTRICTIVE THAN SPECIFIED HEREIN IF DEEMED NECESSARY BASED ON TRAFFIC VOLUMES, CHANNELIZATION AND SIGNALIZATION.
  7. THIS COMMERCIAL APPROACH STANDARD SHALL BE USED ON ARTERIALS AND COLLECTORS WITH SPEED LIMITS OF 35 MPH OR GREATER, AND/OR WHEN TRUCK TRAFFIC WILL BE USING THE APPROACH.

**CITY OF PUYALLUP**  
 DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

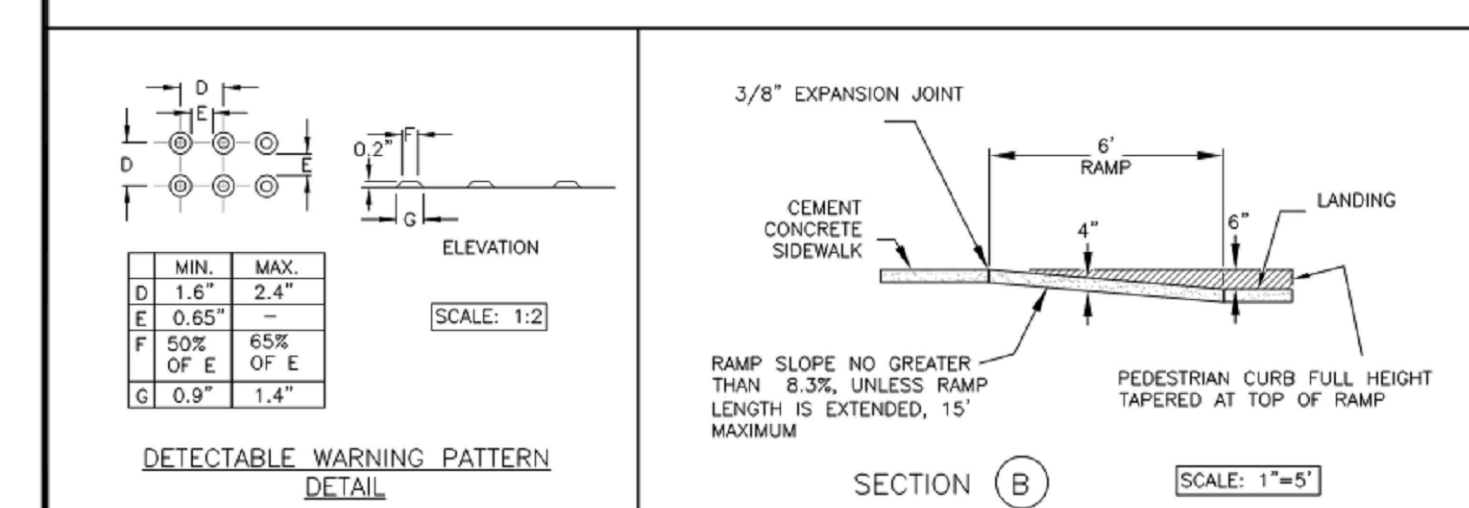
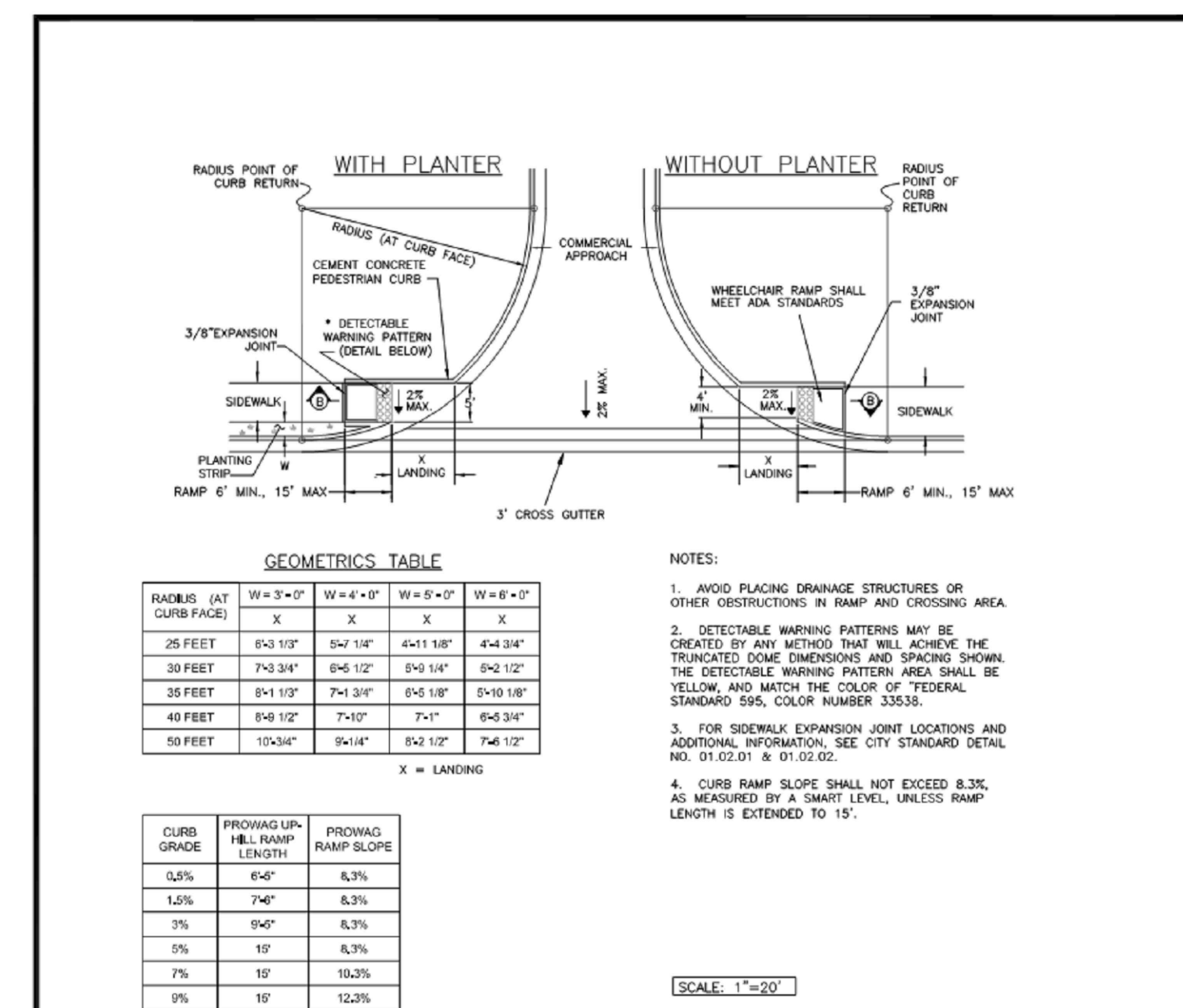
**STANDARD COMMERCIAL APPROACH**

DESIGNED BY: JIM URWIN-SVORODKA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 05/11/2022	CITY STANDARD
FILE NAME: C:\WORK\COMMON\STDCITY\390901_STR01_0201_05_14	DATE APPROVED: 05/11/2022	SCALE: 1"=30'	DATE REVISION: 05/11/2022	01.02.16

**01 STANDARD COMMERCIAL APPROACH**  
 SCALE: N.T.S.



**SURFACING PLAN**  
 SCALE: 1"=10'



**CITY OF PUYALLUP**  
 DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

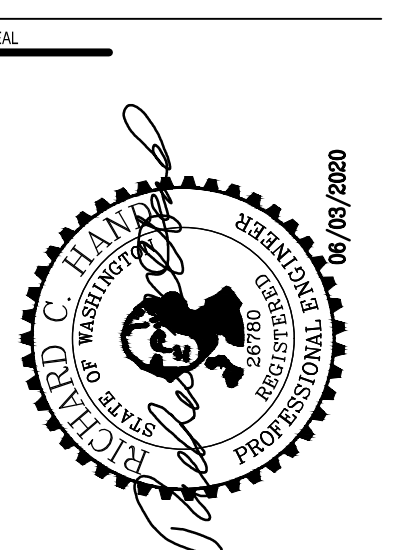
**SIDEWALK RAMP WITH COMMERCIAL APPROACHES**

DESIGNED BY: JIM URWIN-SVORODKA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	DATE APPROVED: 05/11/2022	CITY STANDARD
FILE NAME: C:\WORK\COMMON\STDCITY\390901_STR01_0201_05_14	DATE APPROVED: 05/11/2022	SCALE: 1"=5'	DATE REVISION: 05/11/2022	01.02.19

**02 SIDEWALK RAMP**  
 SCALE: N.T.S.

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Project No.: 18,328	Project Mgr.: RCH
Proj. Engineer: VMS	Proj. Drafter: KLK



**PROJECT**  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: SURFACING PLAN

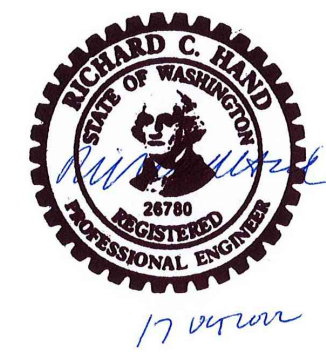


**C2.3**  
 CIVIL RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

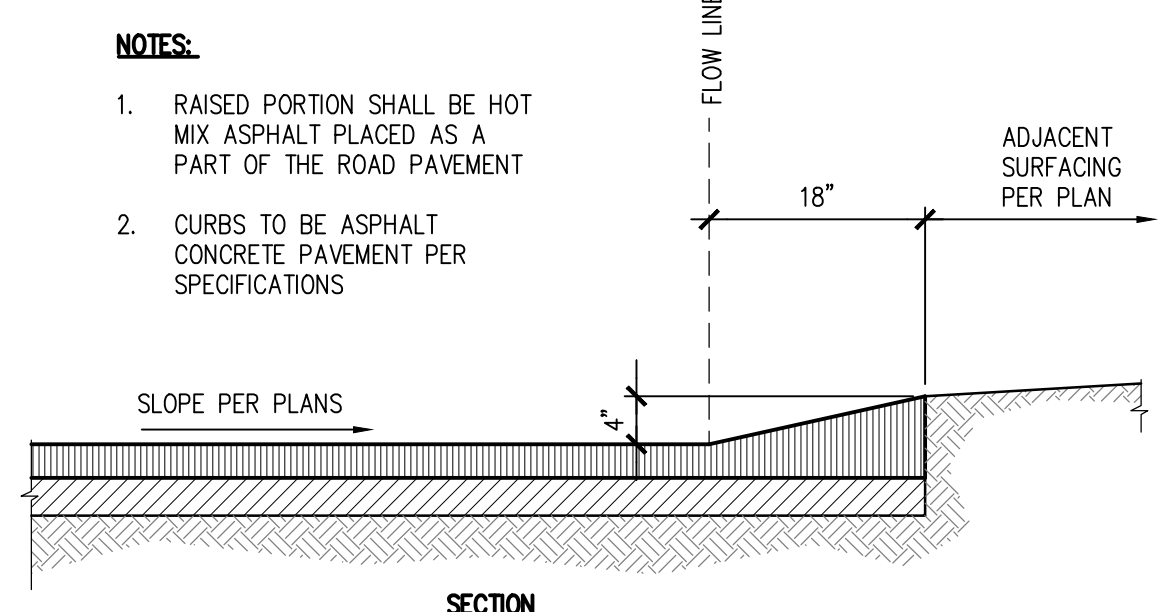
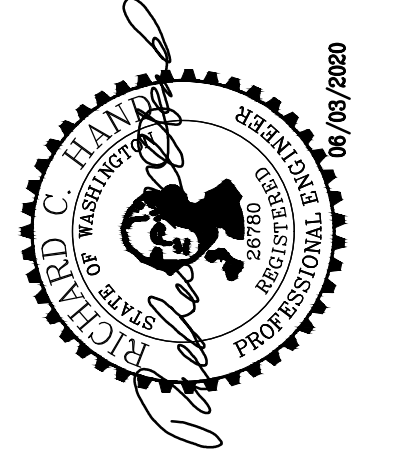
**RECORD DRAWING**  
 RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

**APPROVED**  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

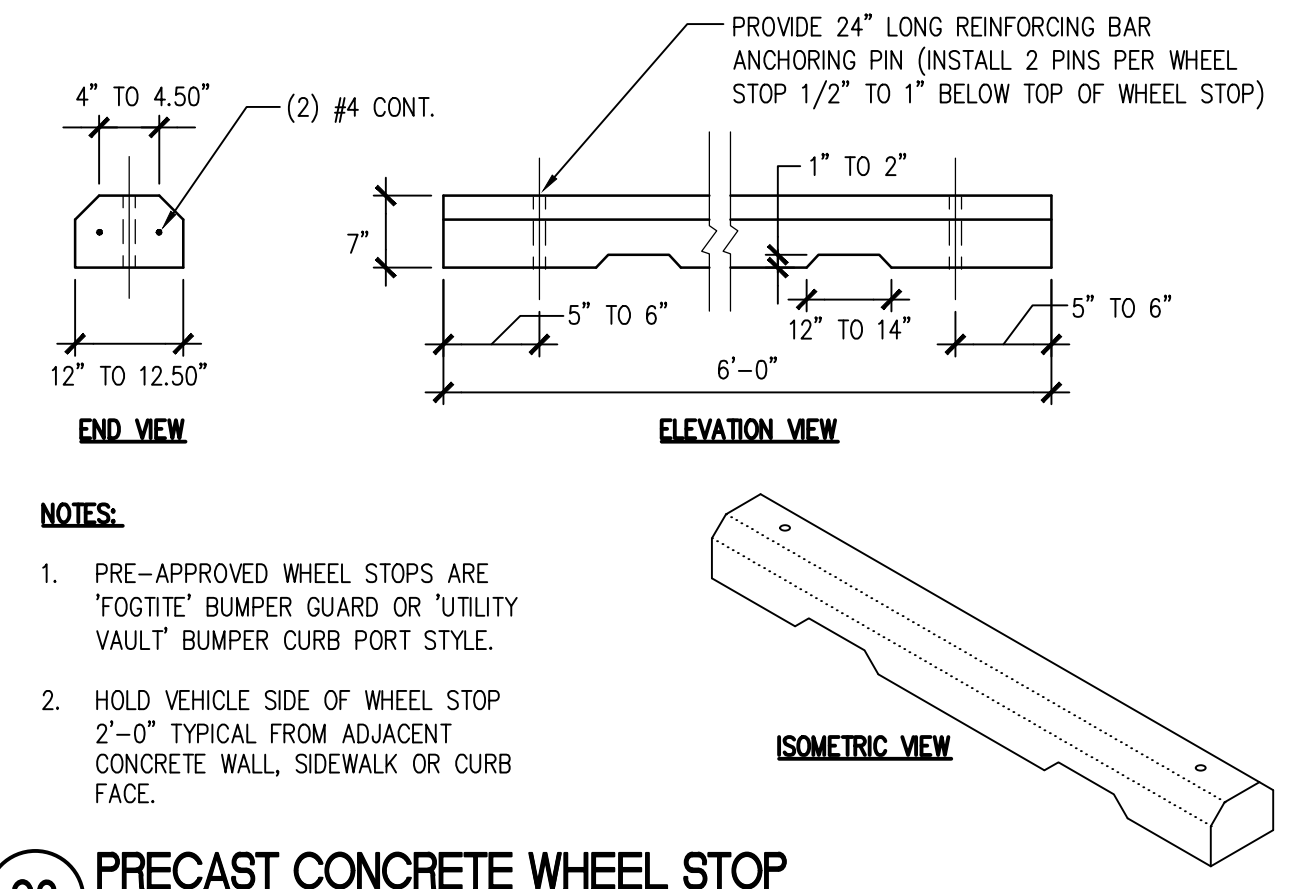


**Call 811**  
 two business days before you dig

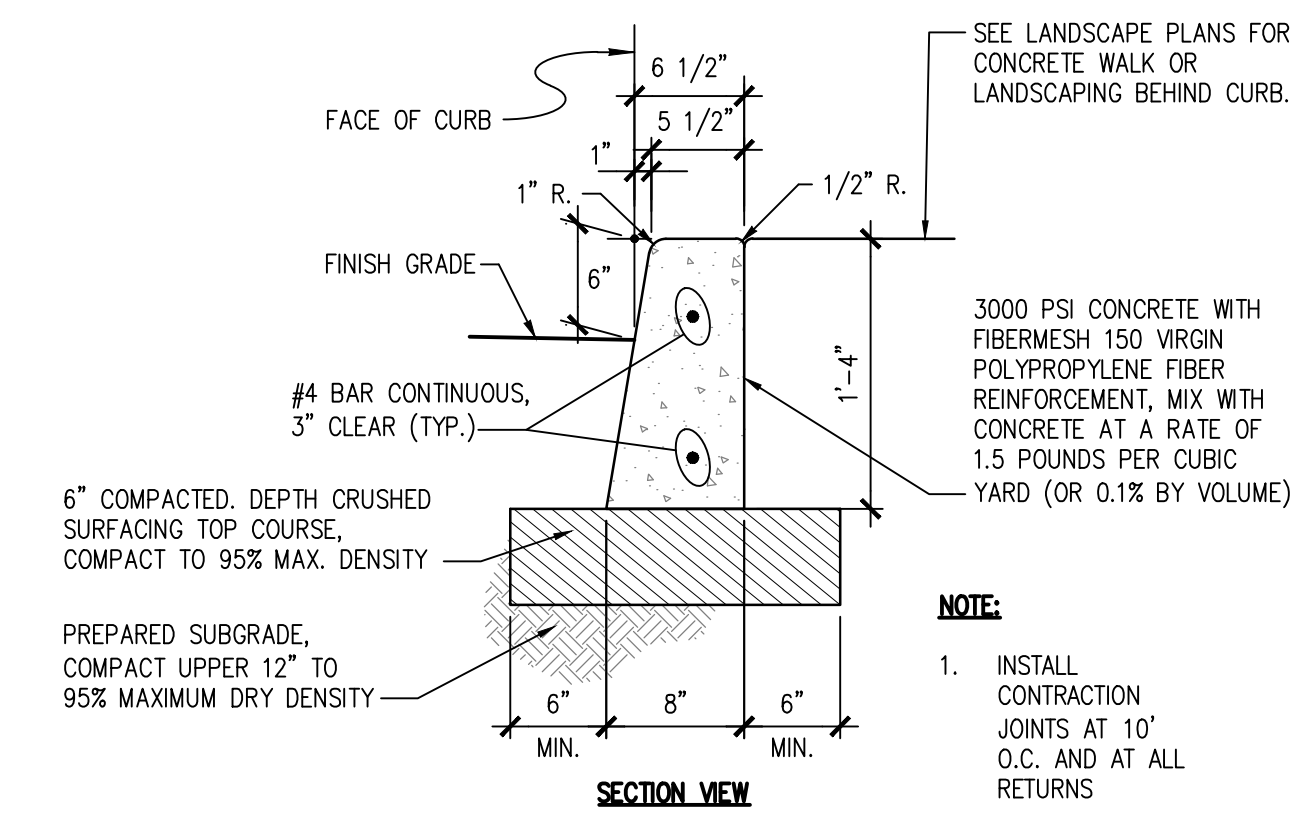
**BCRA**  
 1700 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402



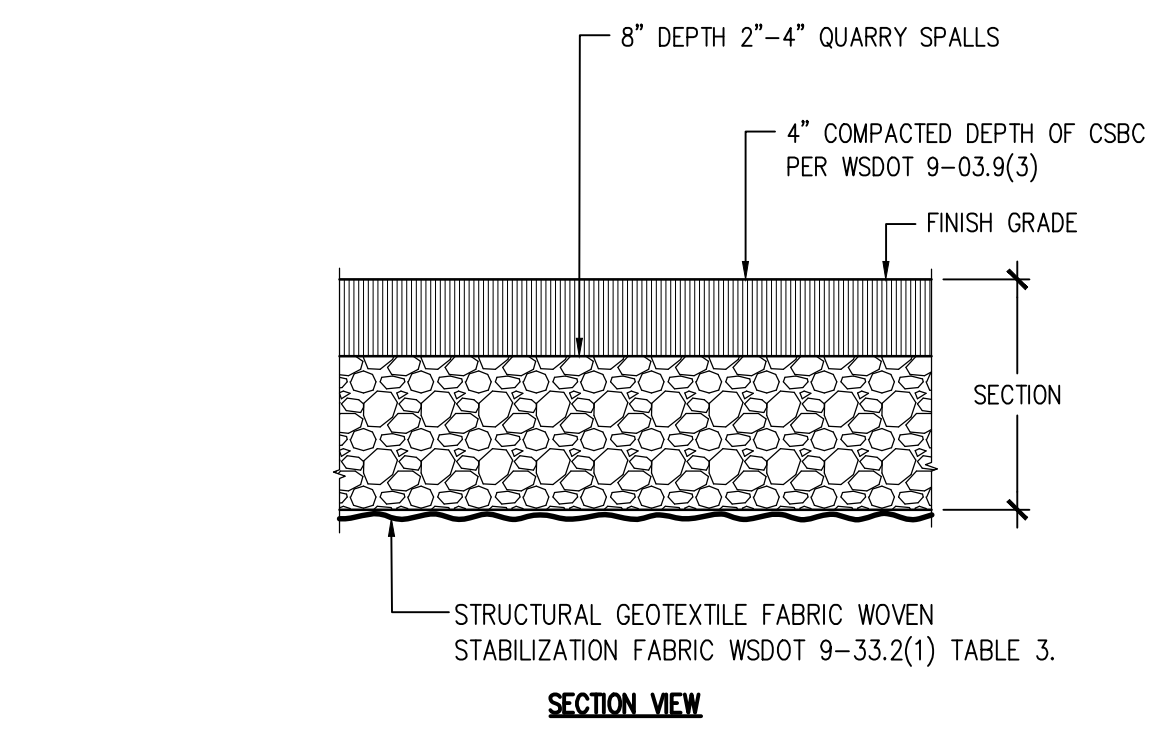
**01 ASPHALT CONCRETE RAISED EDGE CURB**  
 SCALE: N.T.S.



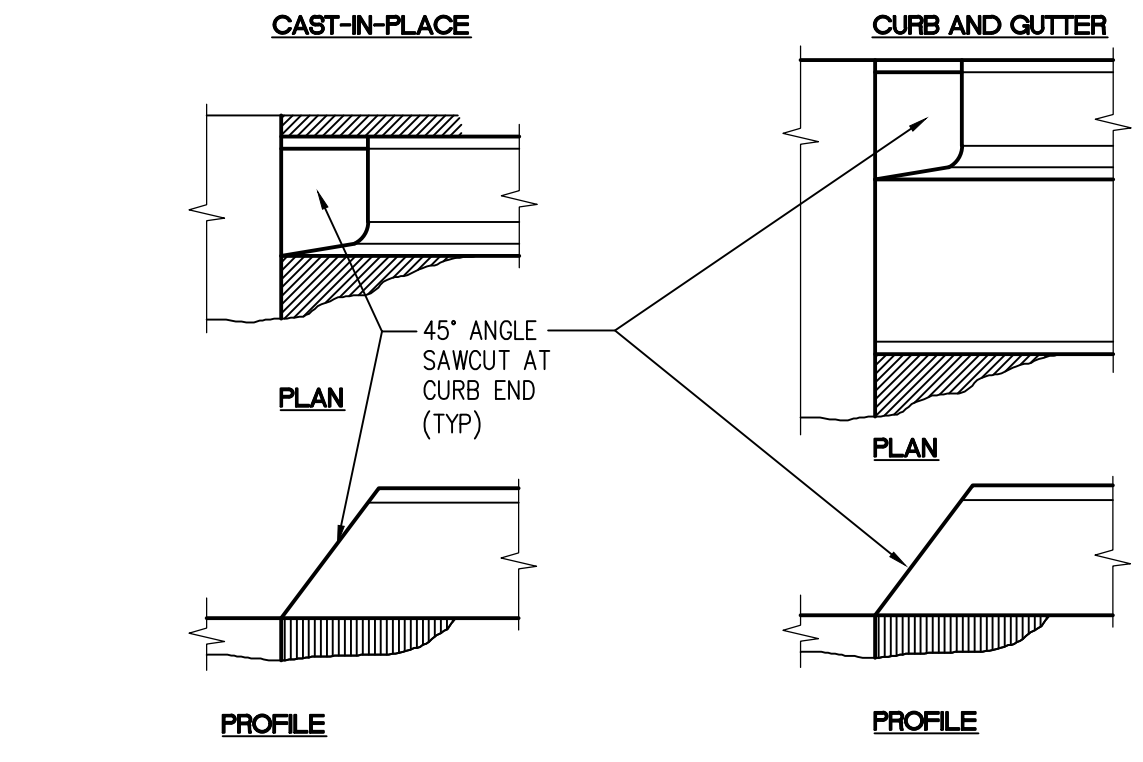
**02 PRECAST CONCRETE WHEEL STOP**  
 SCALE: N.T.S.



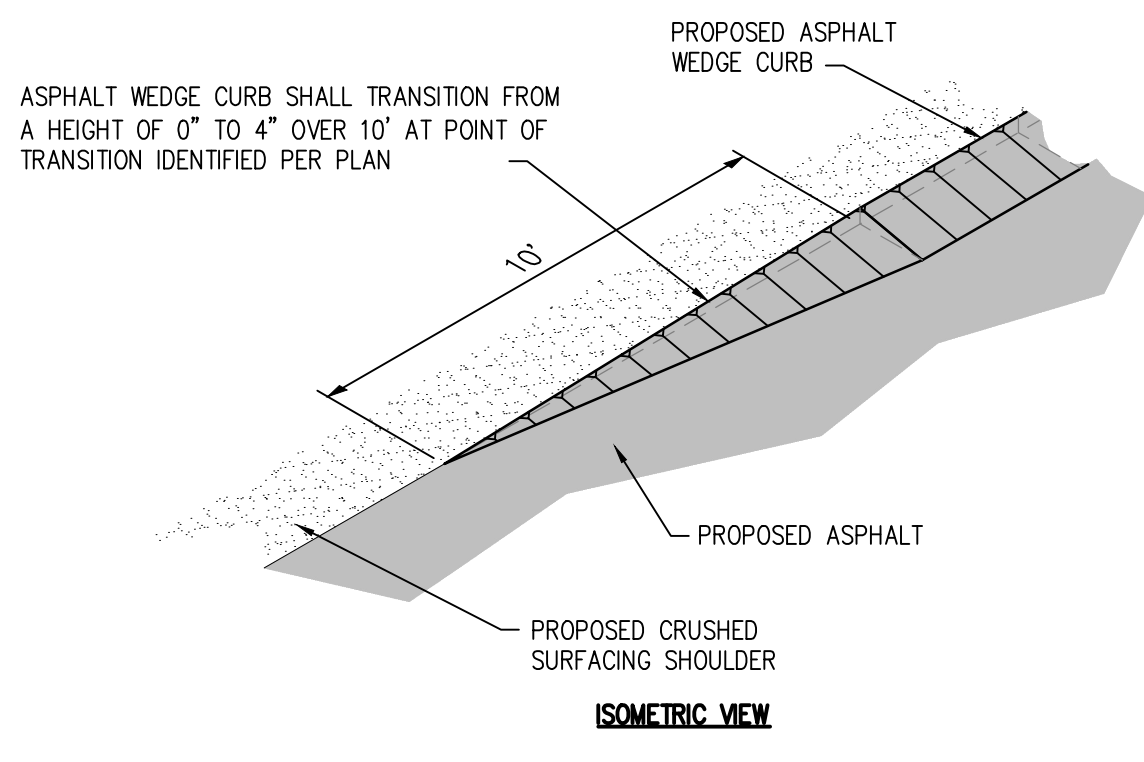
**03 CAST-IN-PLACE CONCRETE CURB**  
 SCALE: N.T.S.



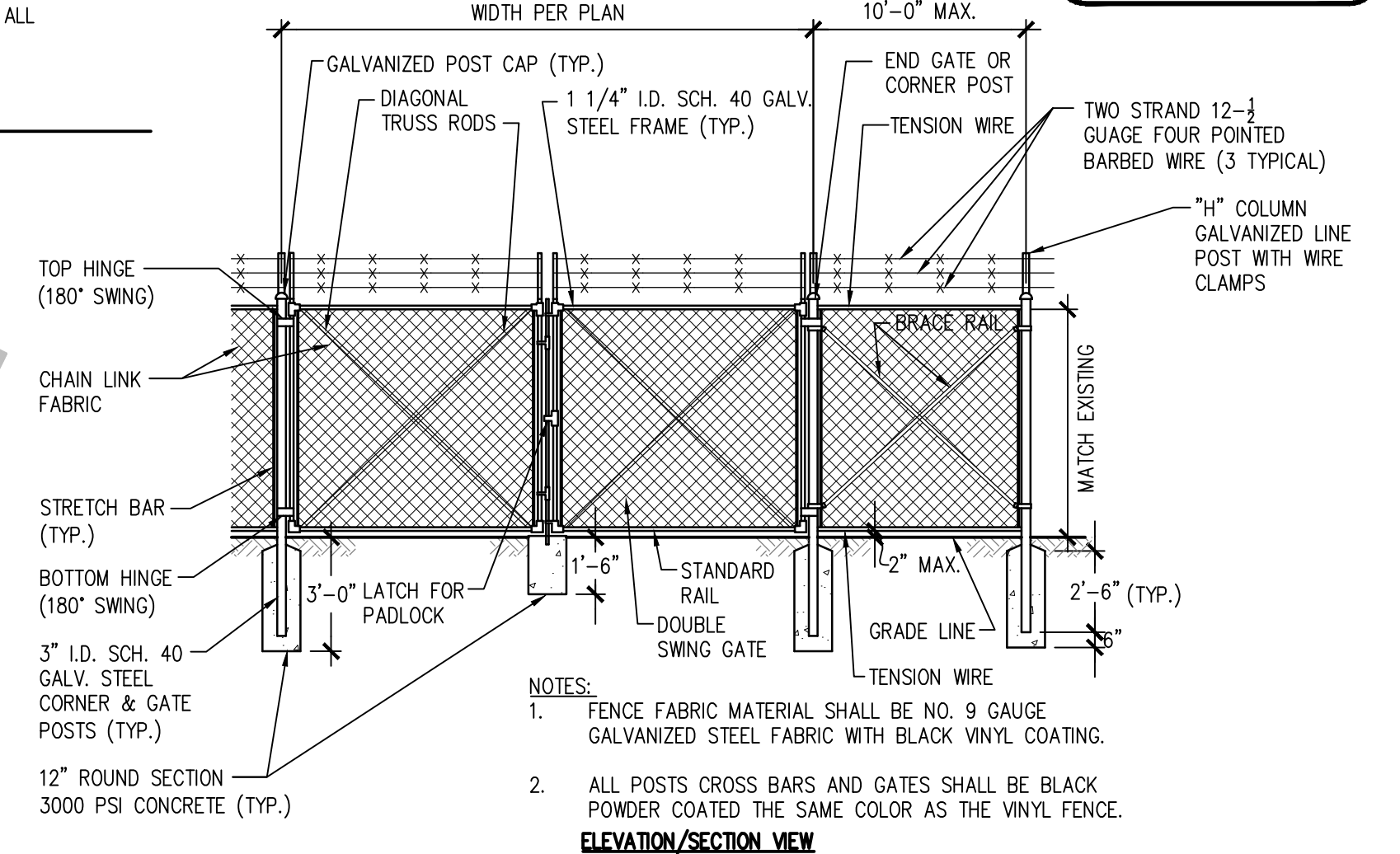
**04 GRAVEL SURFACING DETAIL**  
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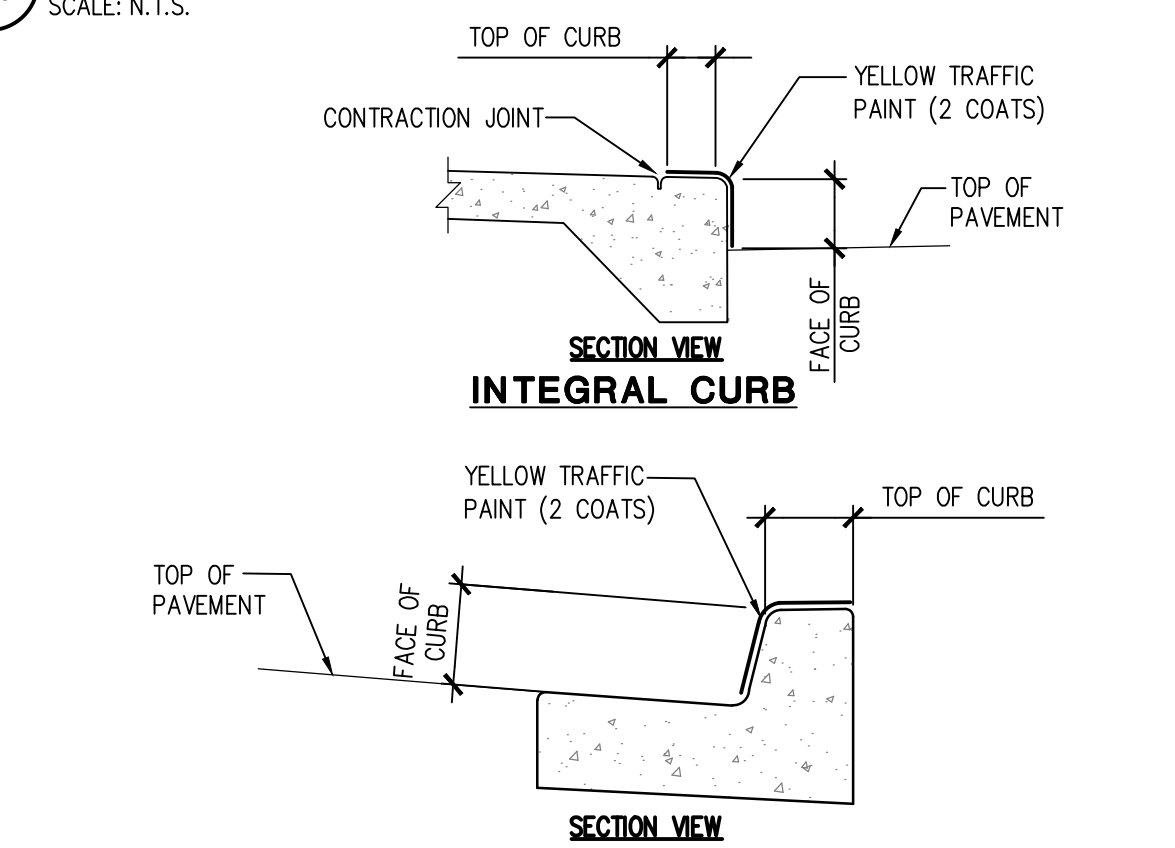
**05 'CAST-IN-PLACE' CEMENT CONCRETE CURB AND 'CURB AND GUTTER' END DETAIL**  
 SCALE: N.T.S.



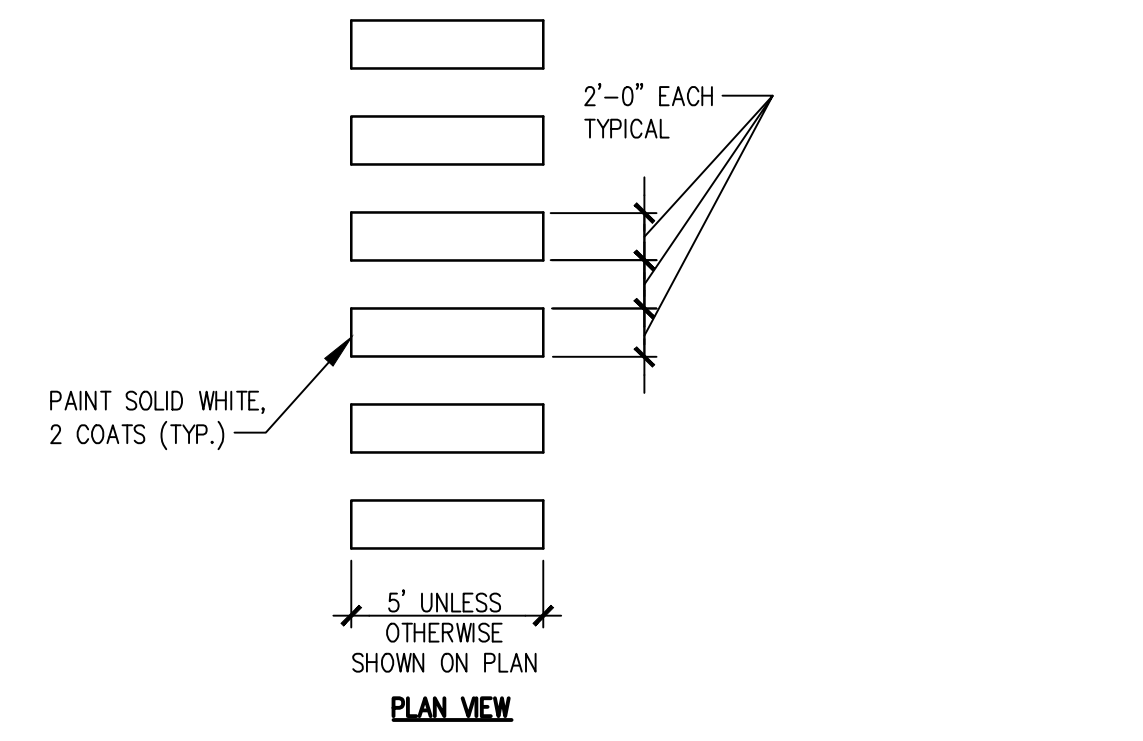
**06 ASPHALT WEDGE CURB TRANSITION**  
 SCALE: N.T.S.



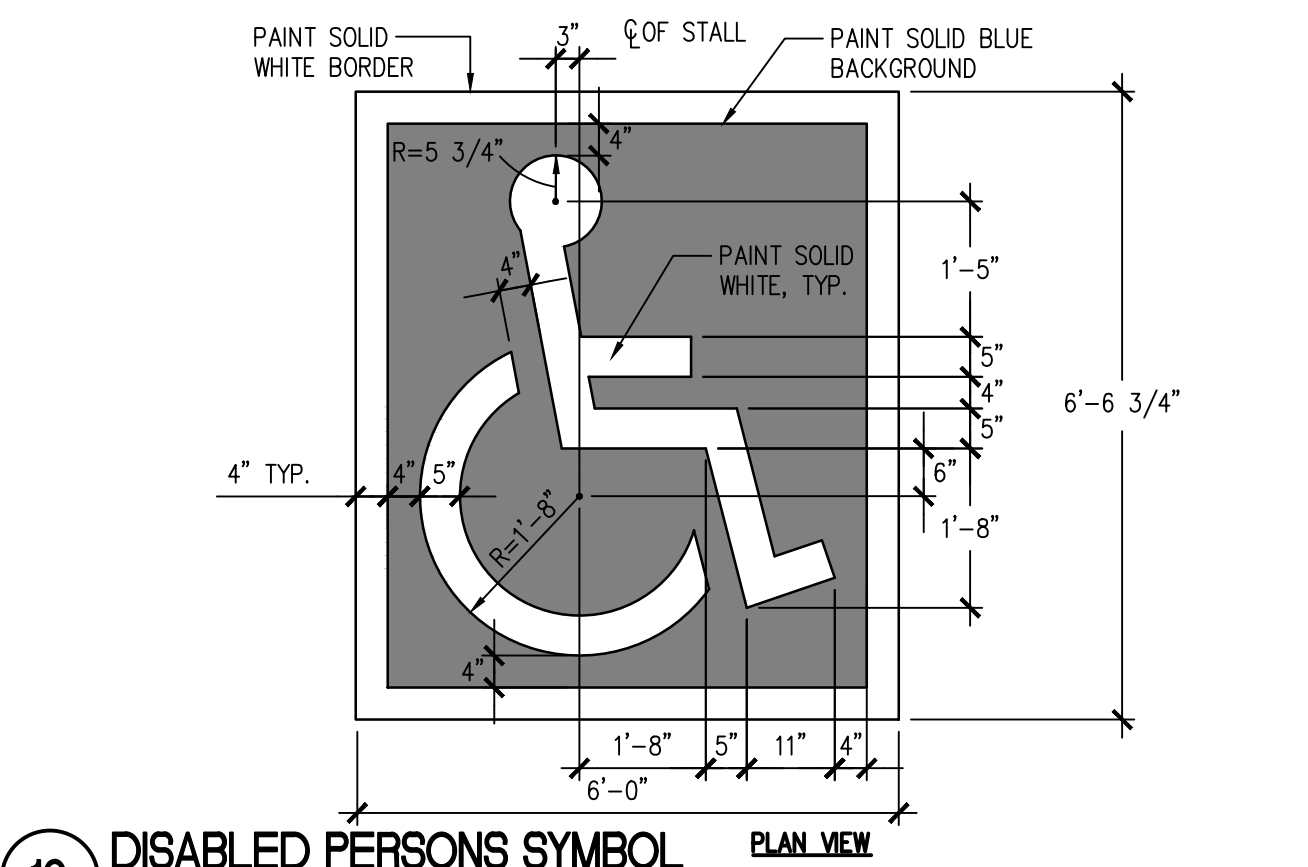
**07 FENCE AND GATE DETAIL**  
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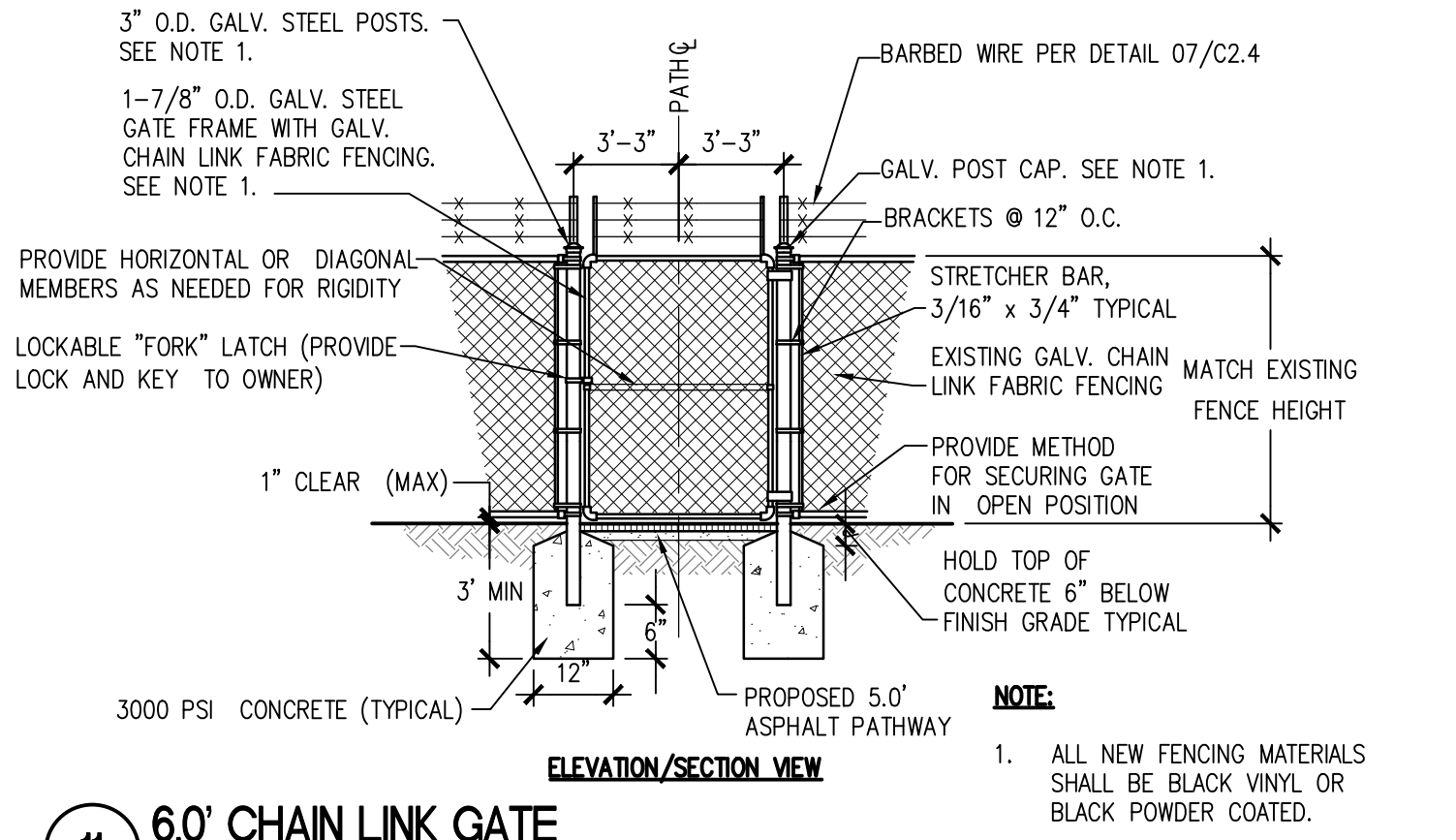
**08 PAINTED CURBING**  
 SCALE: N.T.S.



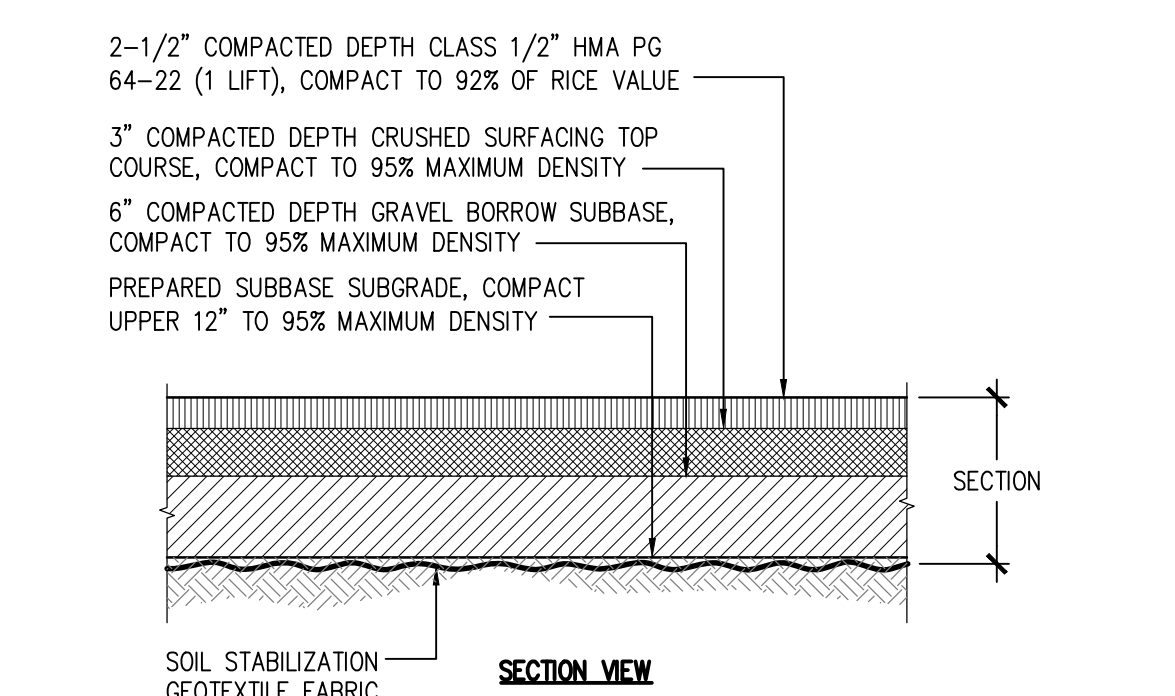
**09 ACCESS PAINT MARKINGS**  
 SCALE: N.T.S.



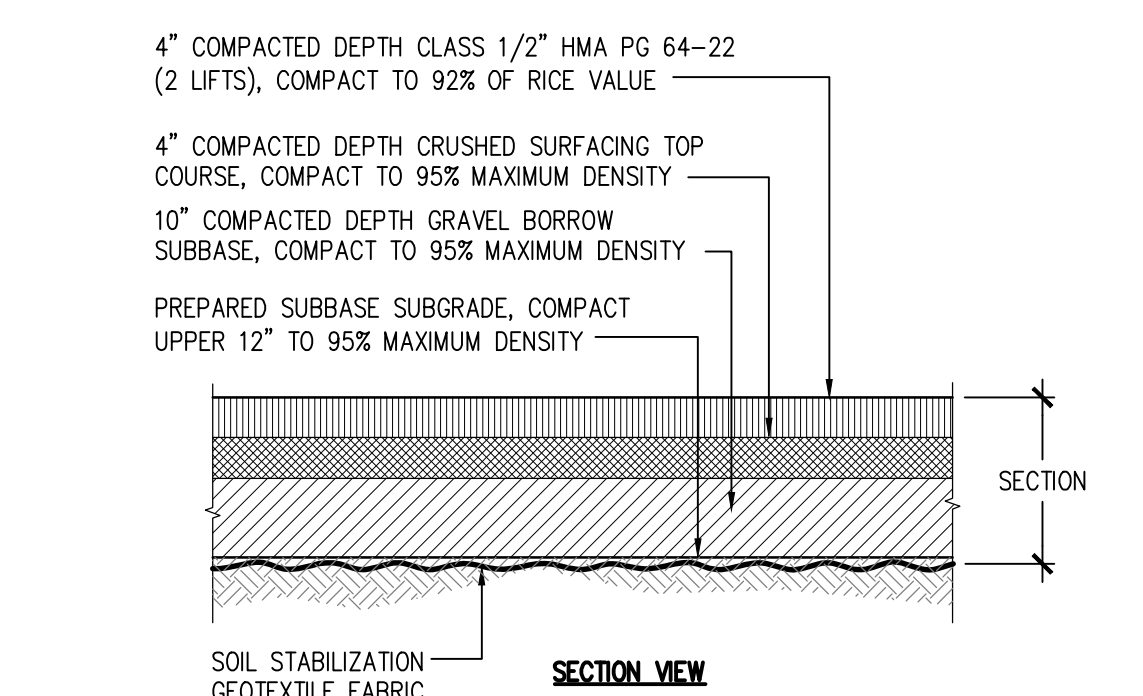
**10 DISABLED PERSONS SYMBOL**  
 SCALE: N.T.S.



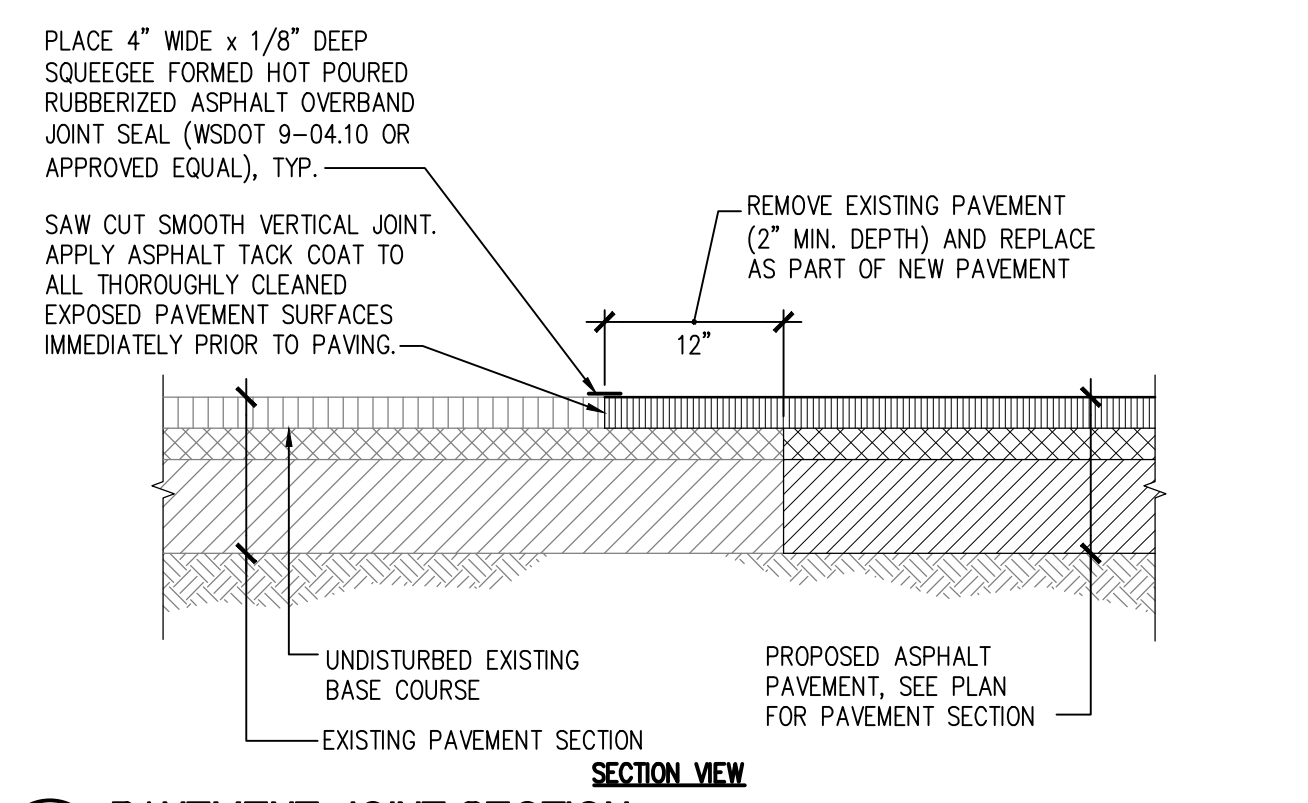
**11 60' CHAIN LINK GATE**  
 SCALE: N.T.S.



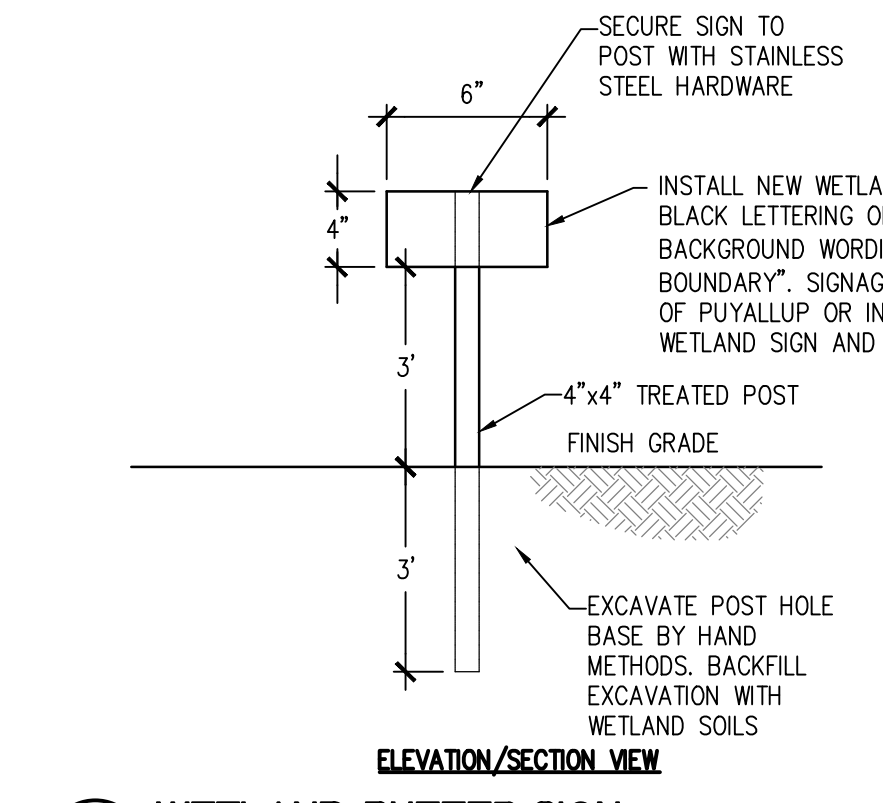
**12 LIGHT DUTY ASPHALT PAVEMENT**  
 SCALE: N.T.S.



**13 HEAVY DUTY ASPHALT PAVEMENT**  
 SCALE: N.T.S.



**14 PAVEMENT JOINT SECTION**  
 SCALE: N.T.S.



**15 WETLAND BUFFER SIGN**  
 SCALE: N.T.S.

**SITTS & HILL ENGINEERS, INC.**  
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 4815 CENTER STREET | TACOMA, WA 98409  
 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

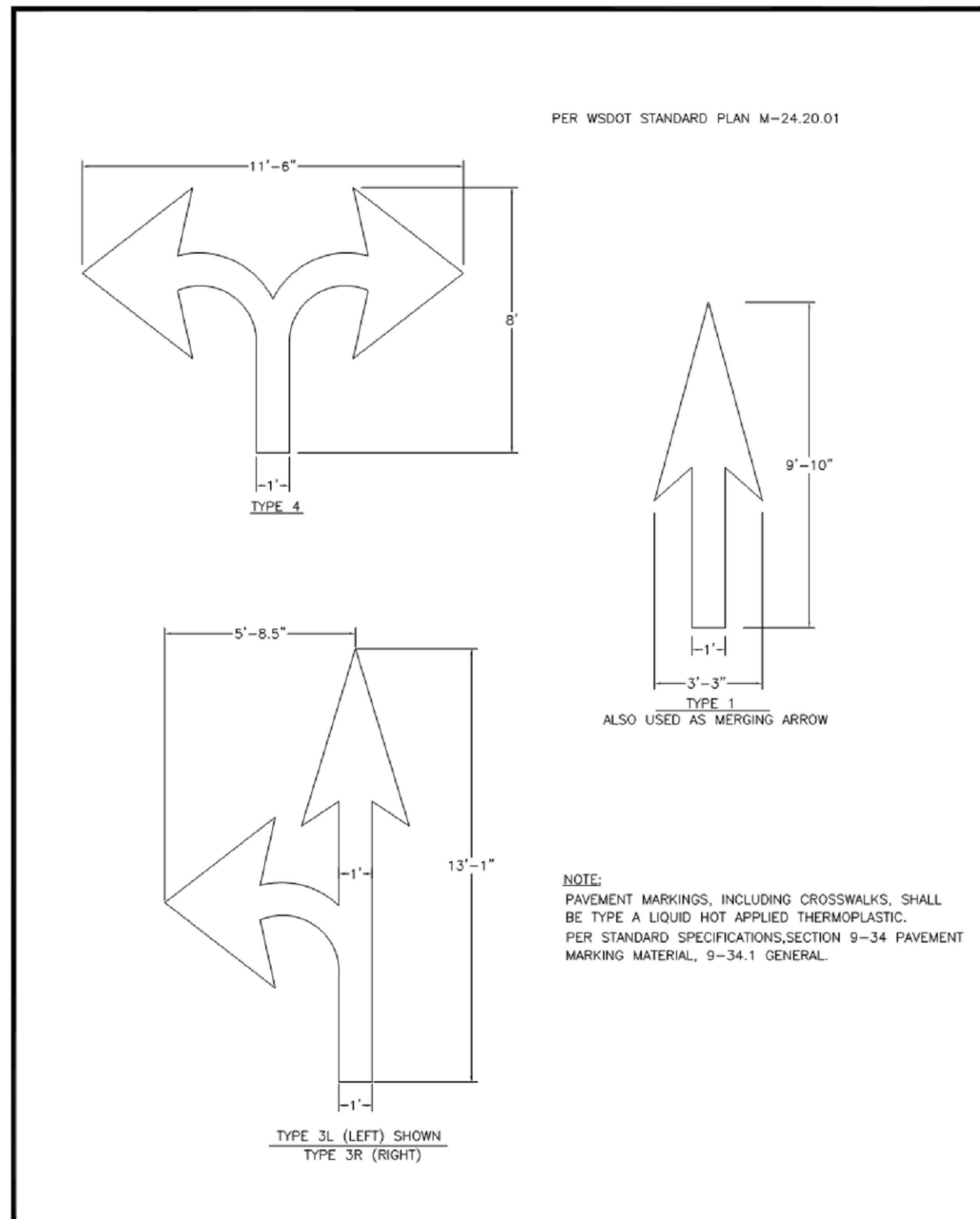
DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: SURFACING DETAILS

**BCRA**  
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 SHEET: CIVIL 12 OF 32

**C2.4**  
 CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



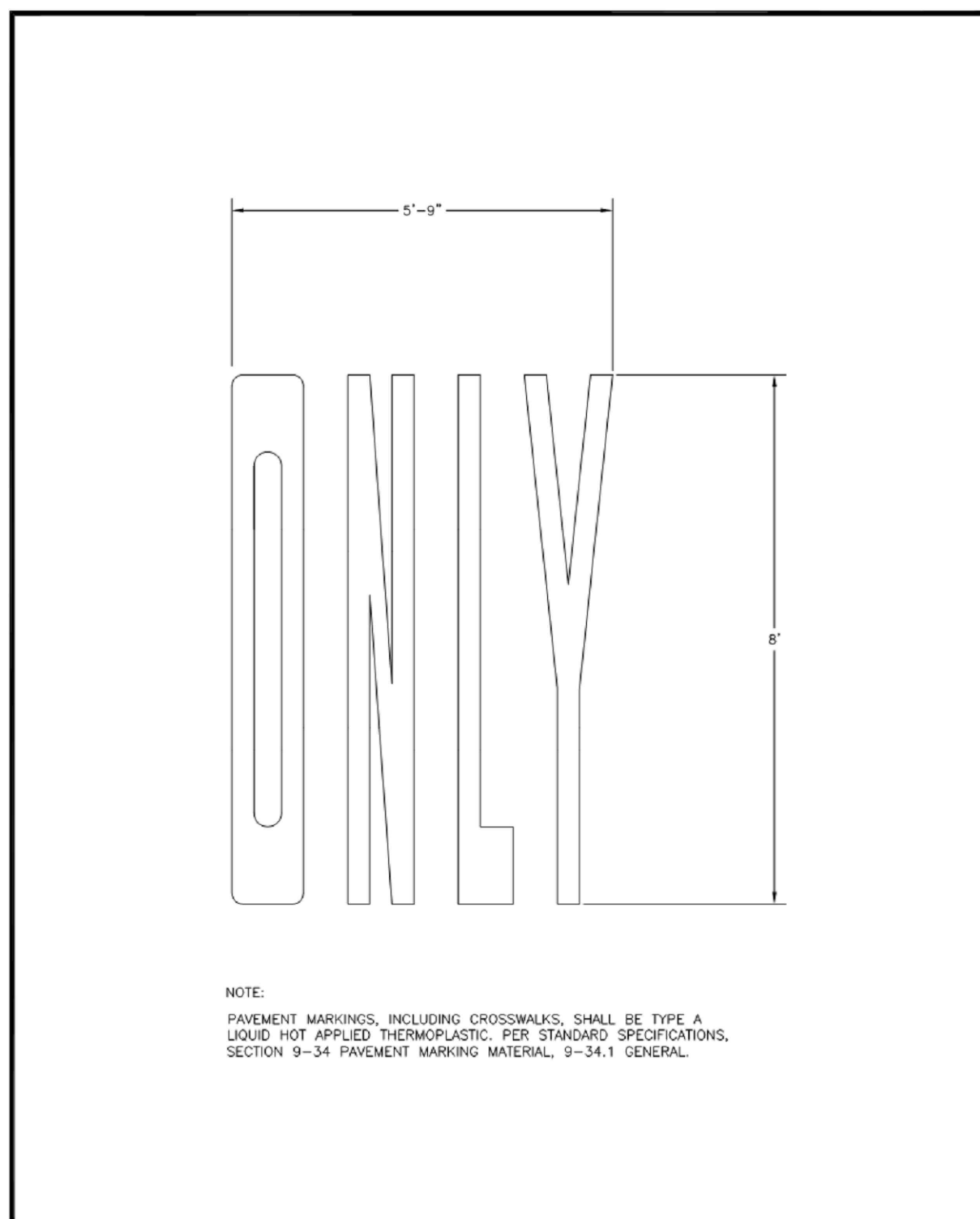


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**PAVEMENT ARROWS**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: 01.03.14

01 PAVEMENT ARROWS  
SCALE: N.T.S.

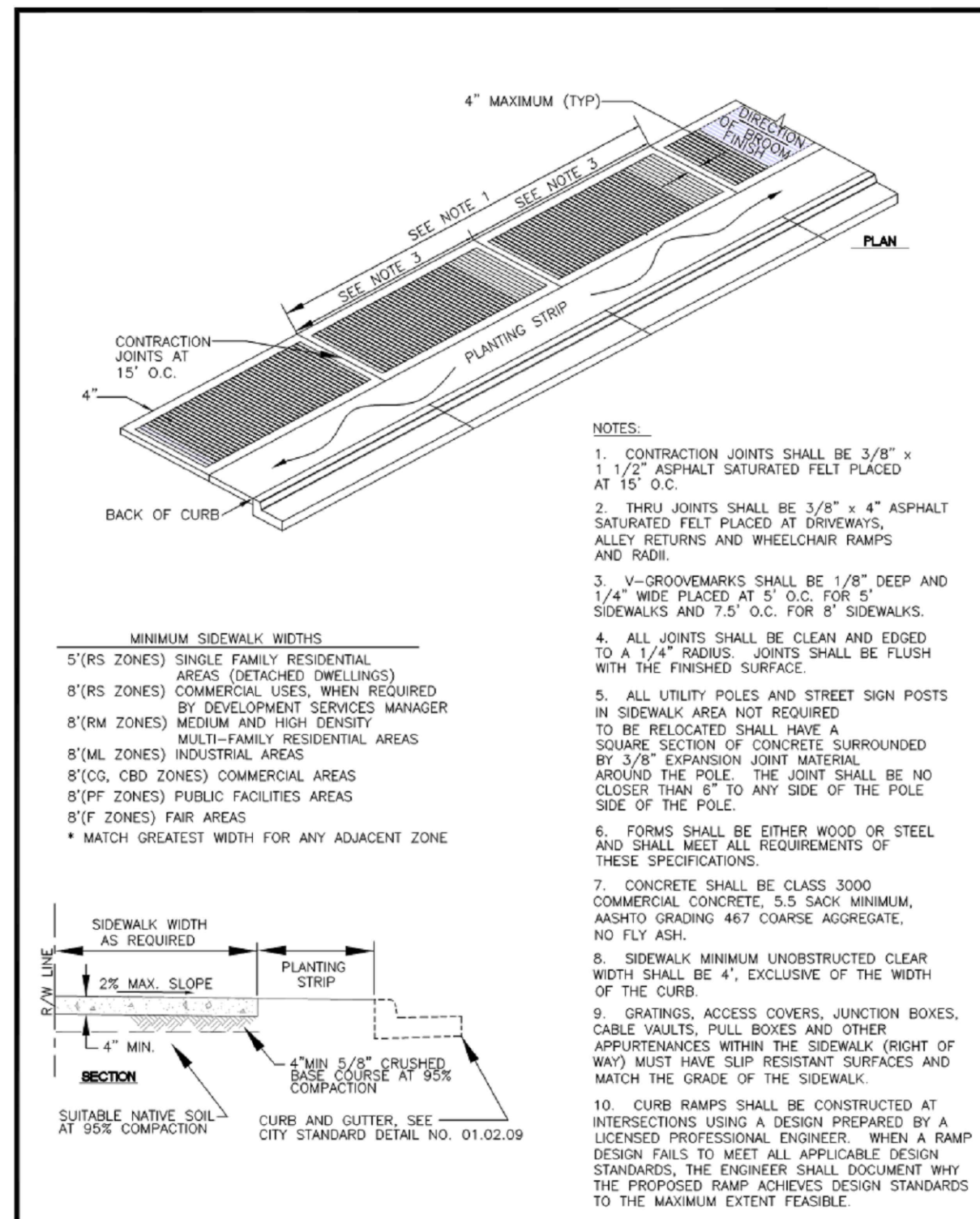


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**PAVEMENT MARKER "ONLY"**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: 01.03.15

02 PAVEMENT MARKER "ONLY"  
SCALE: N.T.S.

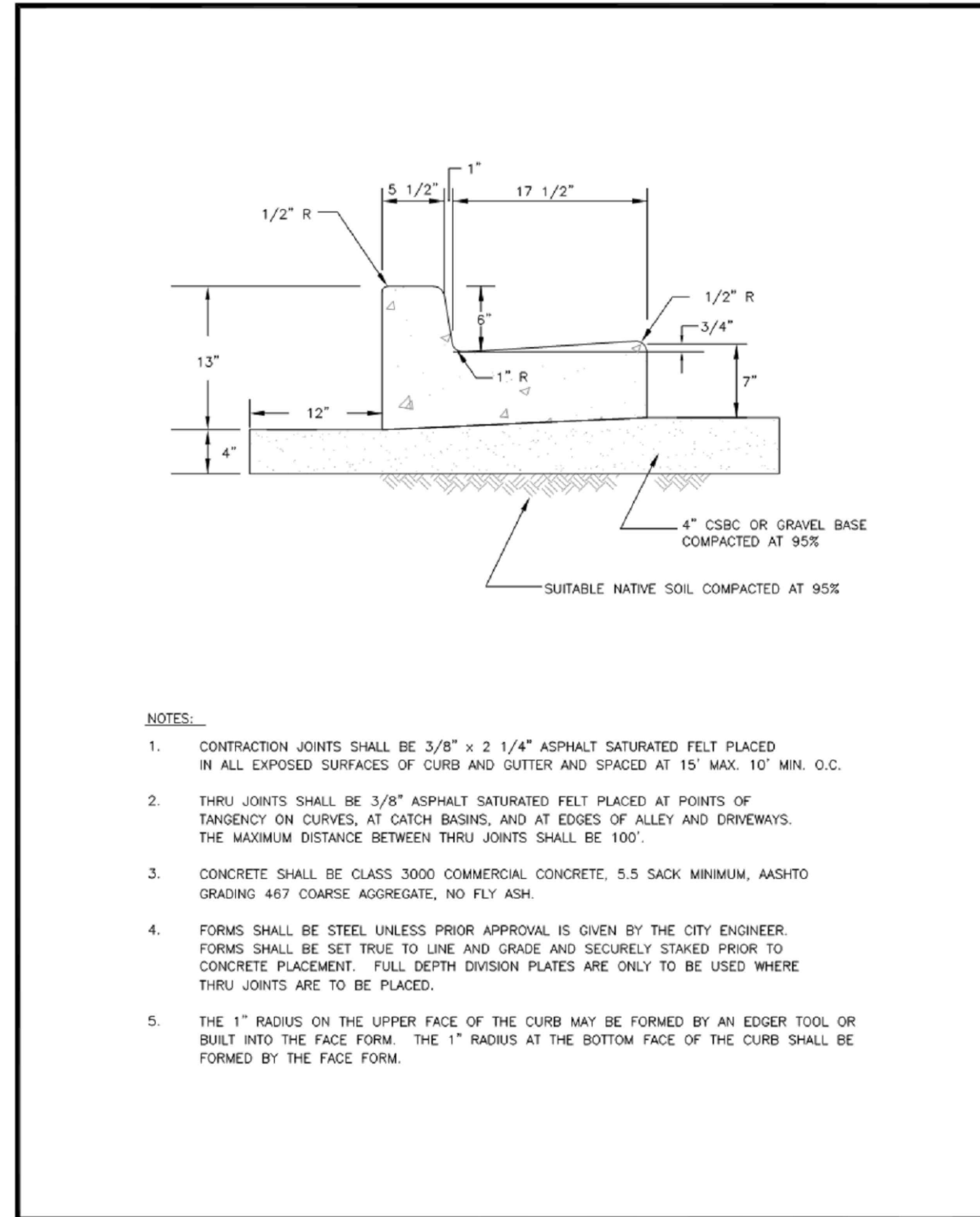


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**SIDEWALK WITH PLANTING STRIP**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: 01.02.02

03 SIDEWALK WITH PLANTING STRIP  
SCALE: N.T.S.

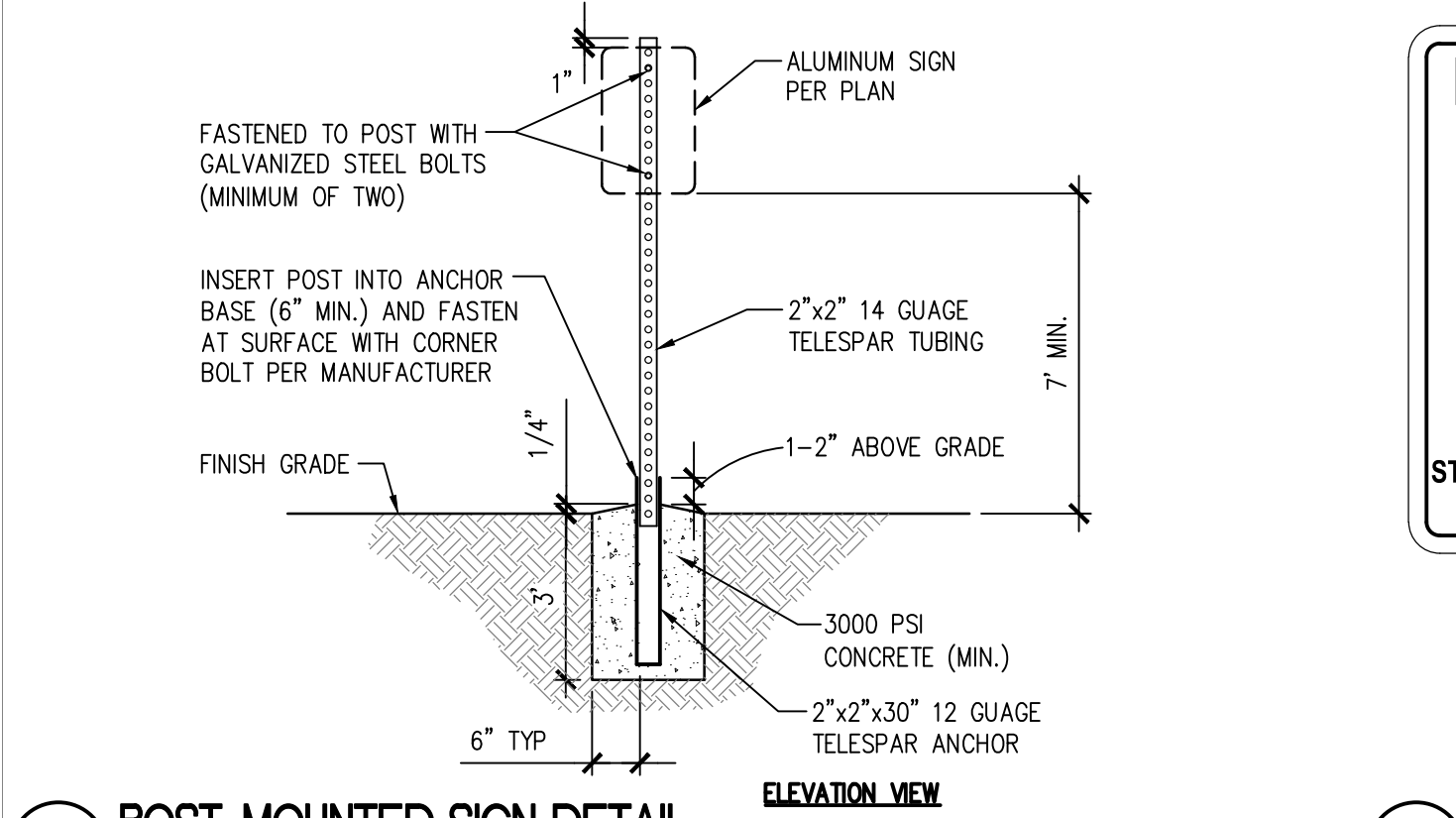


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

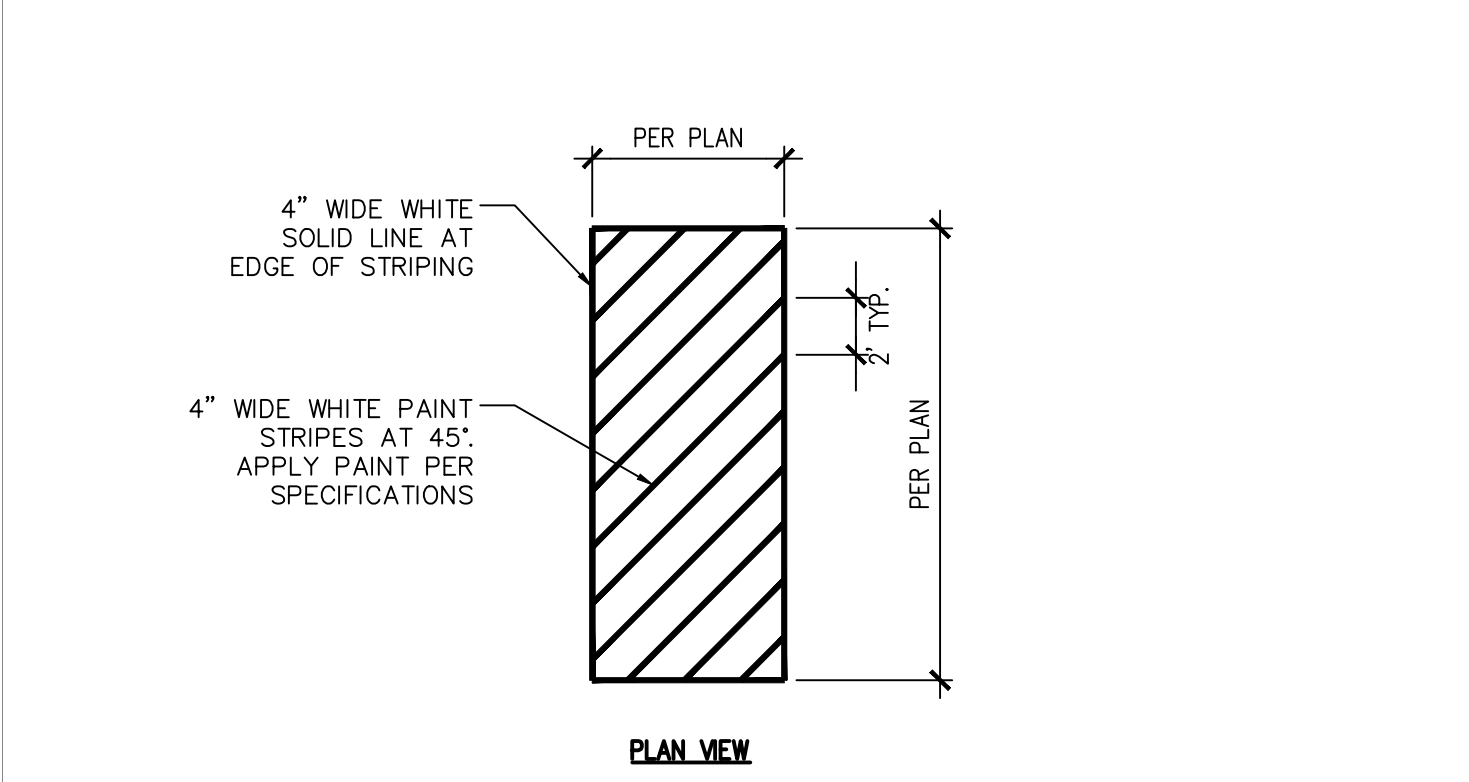
**CURB AND GUTTER**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] DATE: 01.02.09

04 CURB AND GUTTER  
SCALE: N.T.S.



05 POST-MOUNTED SIGN DETAIL  
SCALE: N.T.S.



07 ADA LOADING/UNLOADING STRIPING  
SCALE: N.T.S.



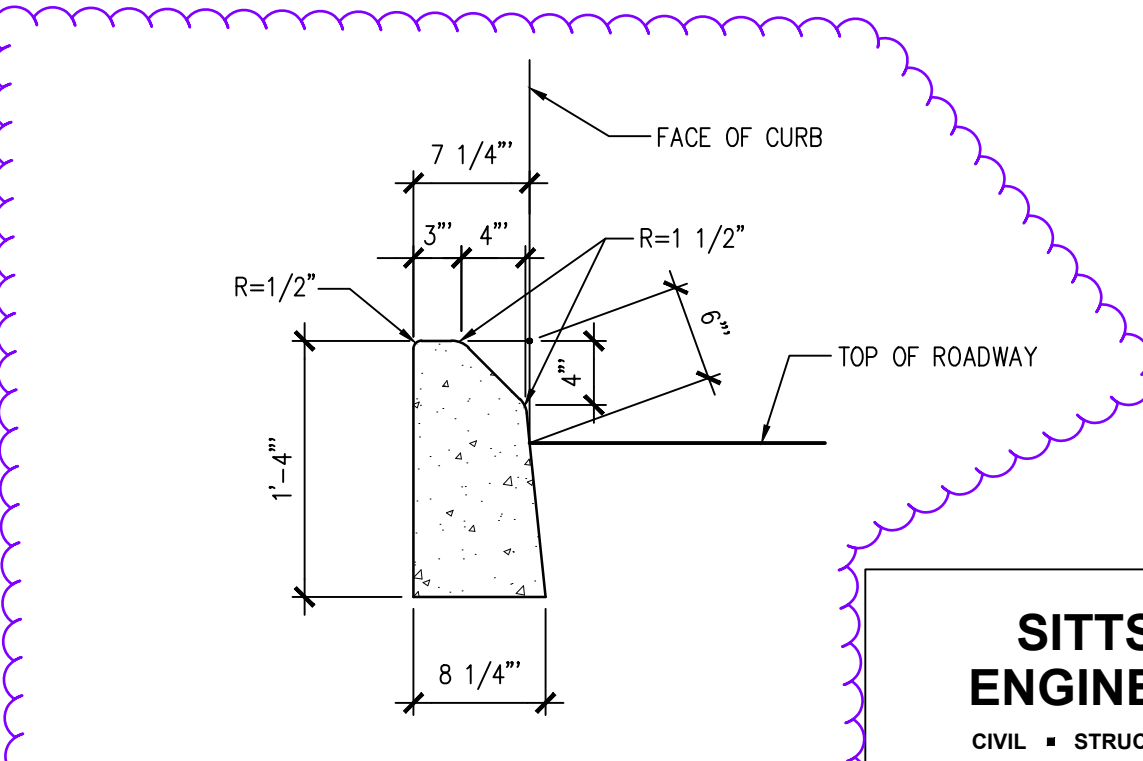
06 SIGN DETAILS  
SCALE: N.T.S.

SCHEDULE OF SITE SIGNAGE

SIGN TYPE	COUNT	DETAIL
ADA PARKING	6	06/C2.5
FIRE LANE	5	06/C2.5
DROP-OFF RIGHT	2	06/C2.5
DROP-OFF LEFT	2	06/C2.5
STOP	4	03/C2.6
RIGHT TURN ONLY	1	MUTCD R3-SR

NOTES:  
1. ALL SIGNS AND STRIPING SHALL BE INSTALLED PER WSDOT STANDARD PLANS AND MUTCD.  
2. SEE SITE SURFACING AND LAYOUT PLANS FOR SIGN LOCATIONS. VERIFY LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.  
3. ALL SIGNS TO BE WHITE BACKGROUND WITH BLACK LEGEND, UNLESS OTHERWISE NOTED.  
4. MOUNT EACH SIGN TO POST PER DETAIL 05/C2.5.

08 COMPACT PARKING STALL PAVEMENT MARKING  
SCALE: N.T.S.



09 MOUNTABLE CEMENT CONCRETE TRAFFIC CURB  
SCALE: N.T.S.

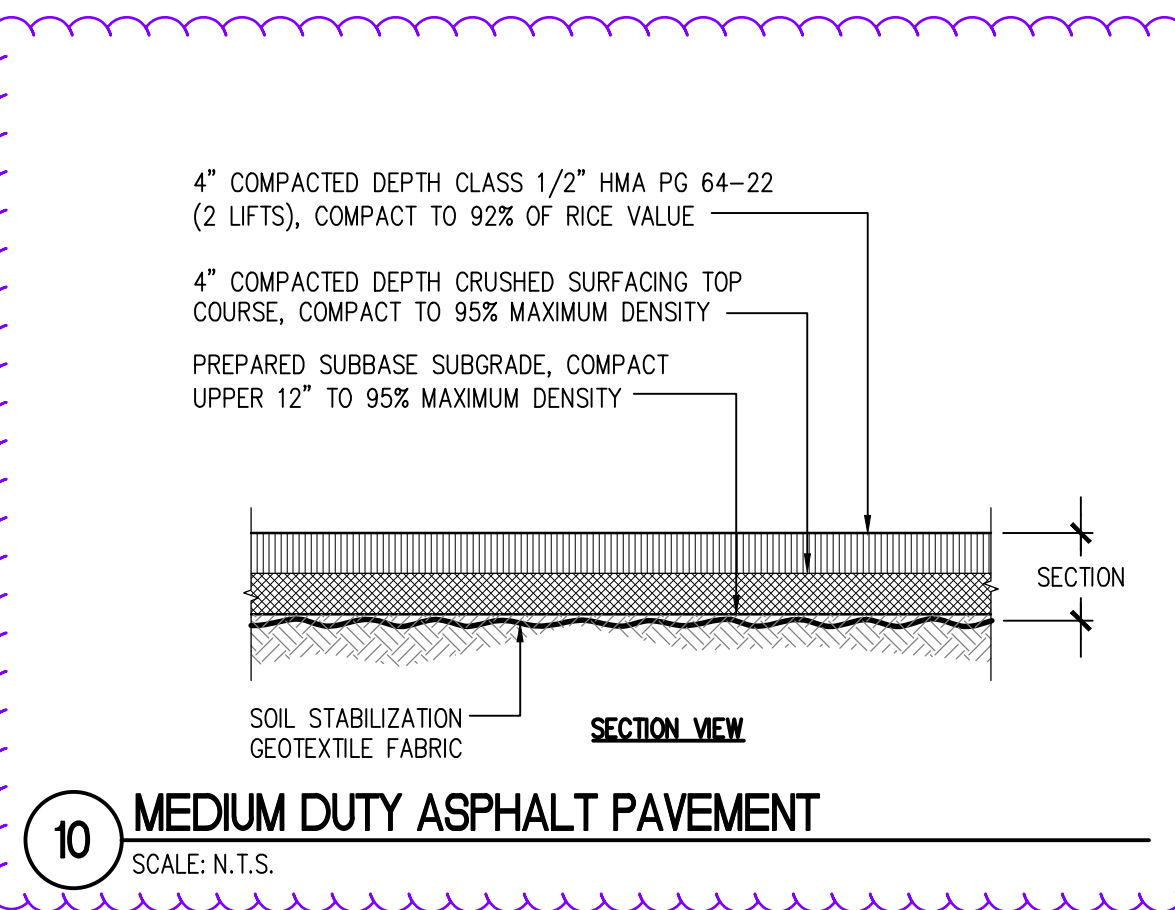
**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

**RICHARD C. HAND**  
REGISTERED PROFESSIONAL ENGINEER  
28780

APPROVED  
BY: [Signature]  
CITY OF PUYALLUP ENGINEERING SERVICES  
DATE: 06-09-20

NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

Call 811 two business days before you dig



10 MEDIUM DUTY ASPHALT PAVEMENT  
SCALE: N.T.S.

**BCRA**

**RICHARD C. HAND**  
REGISTERED PROFESSIONAL ENGINEER  
28780

RD  
ADD DETAIL  
SEE CONTRACTOR RECORD DRAWING C2.5

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

DATE	DESCRIPTION
03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
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06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SURFACING DETAILS

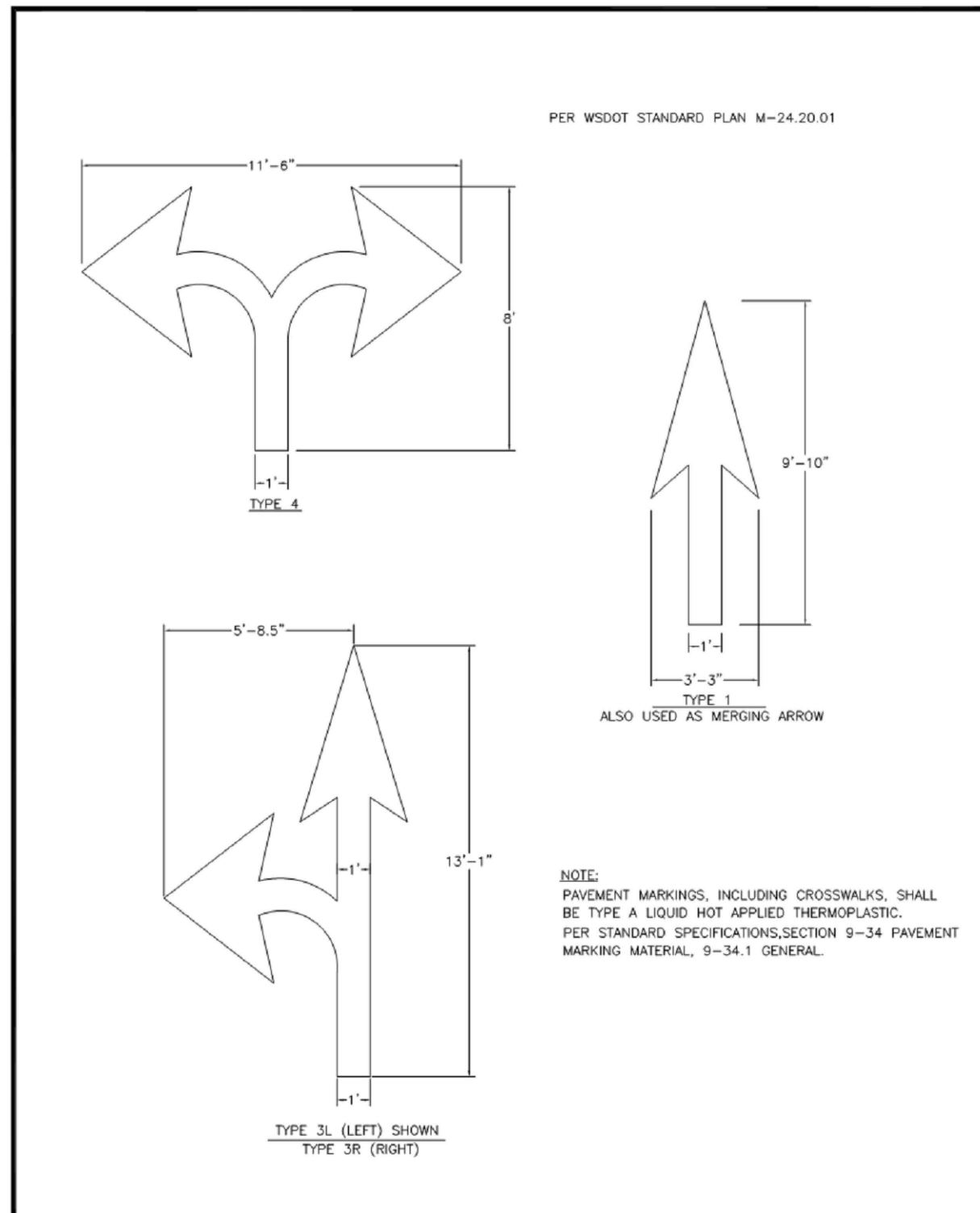
**BCRA**  
CIVIL 13 OF 32

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4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

**C2.5**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

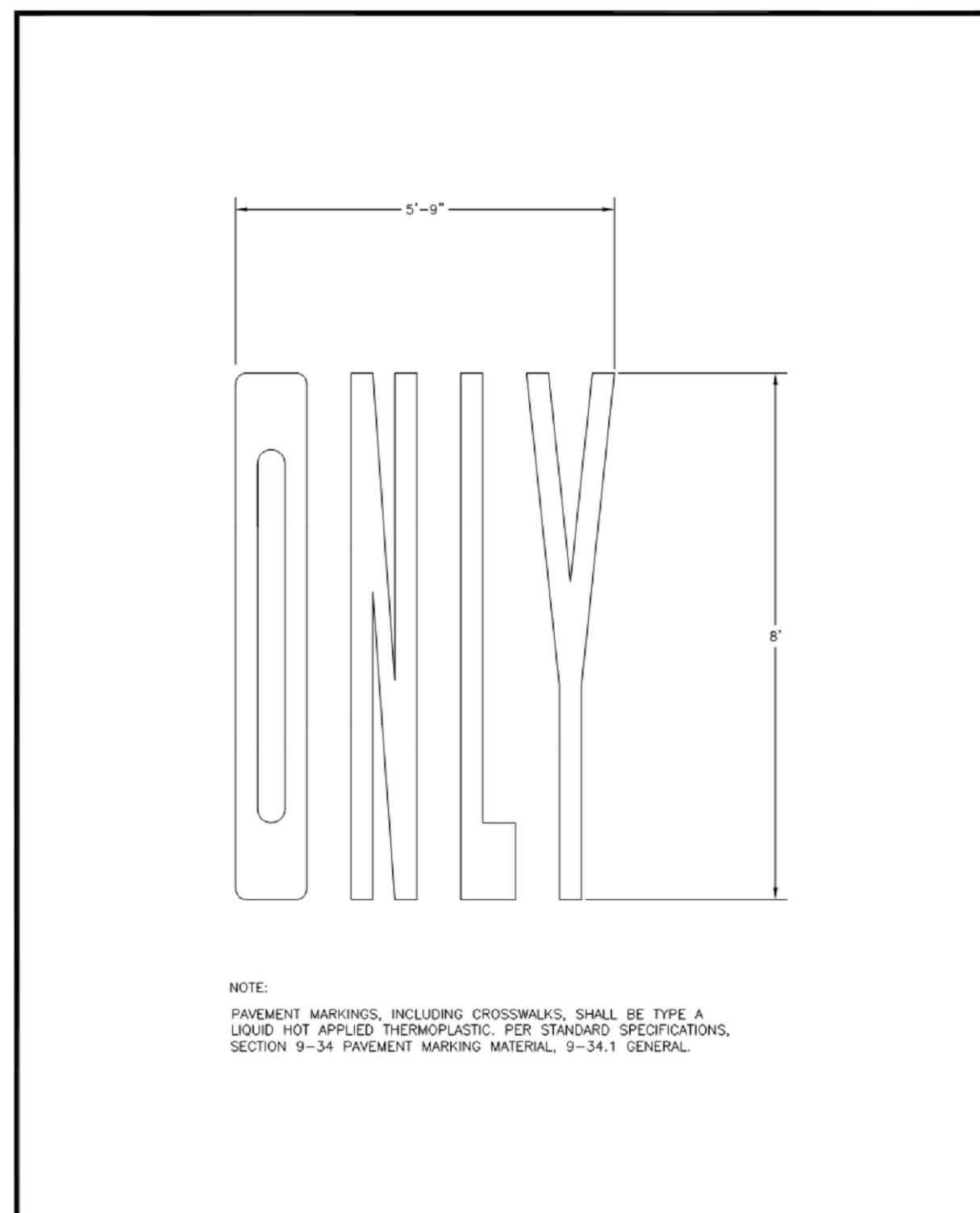


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**PAVEMENT ARROWS**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.03.14

01 PAVEMENT ARROWS  
SCALE: N.T.S.

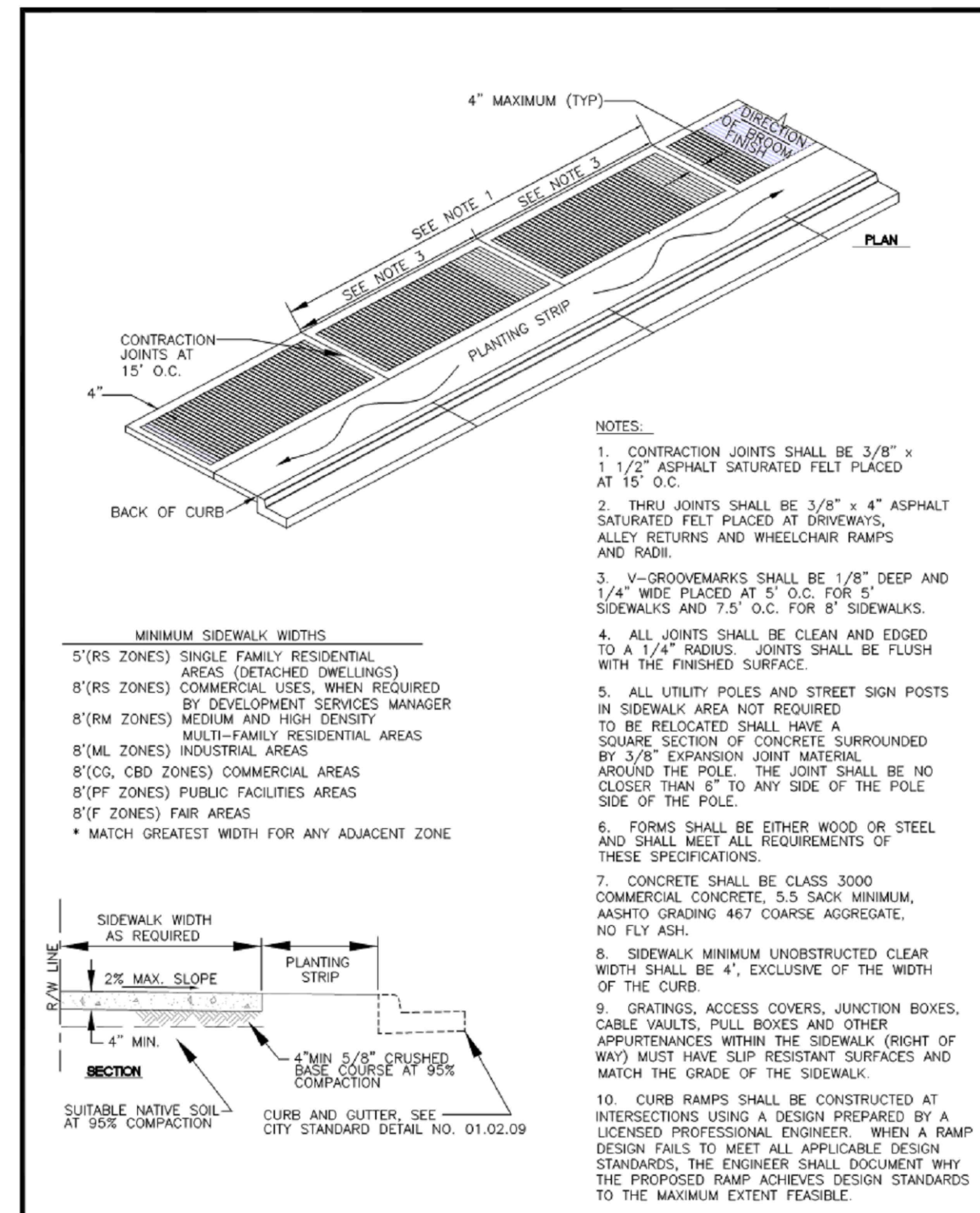


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**PAVEMENT MARKER "ONLY"**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.03.15

02 PAVEMENT MARKER "ONLY"  
SCALE: N.T.S.

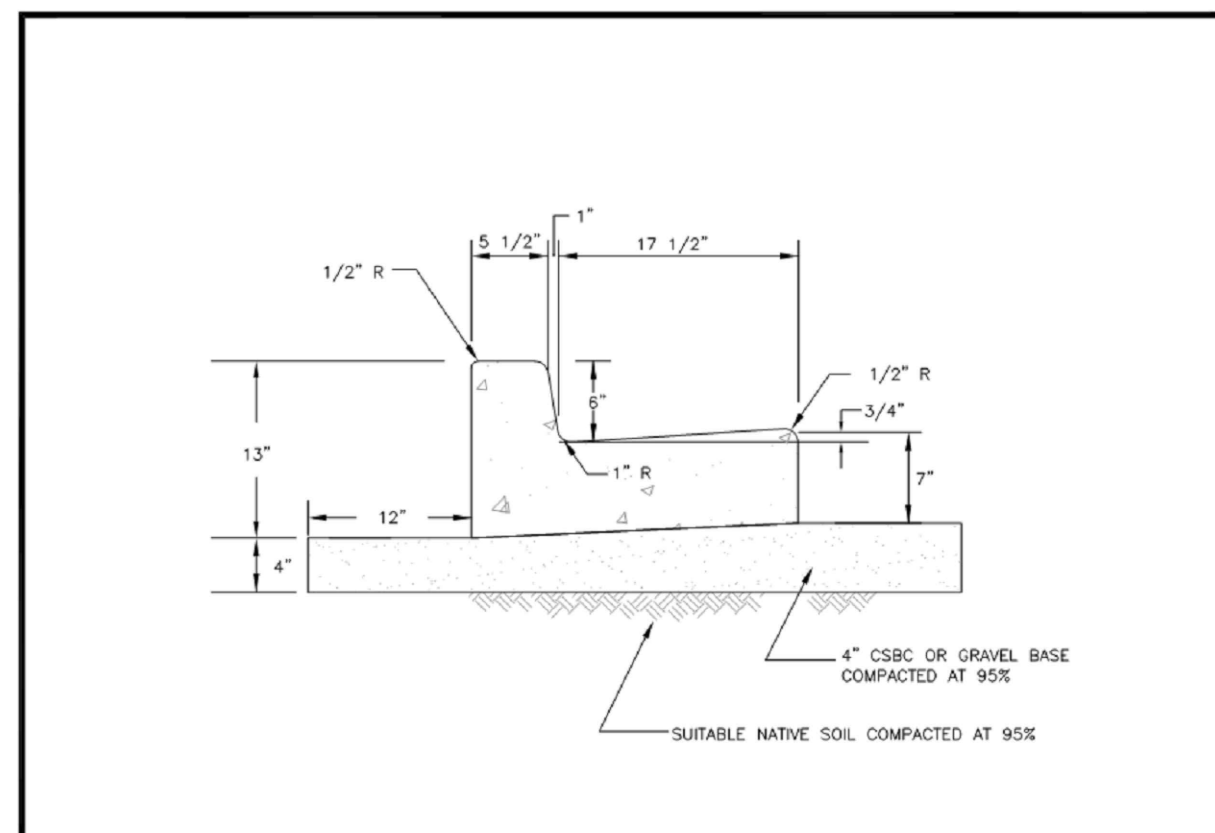


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**SIDEWALK WITH PLANTING STRIP**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.02.02

03 SIDEWALK WITH PLANTING STRIP  
SCALE: N.T.S.

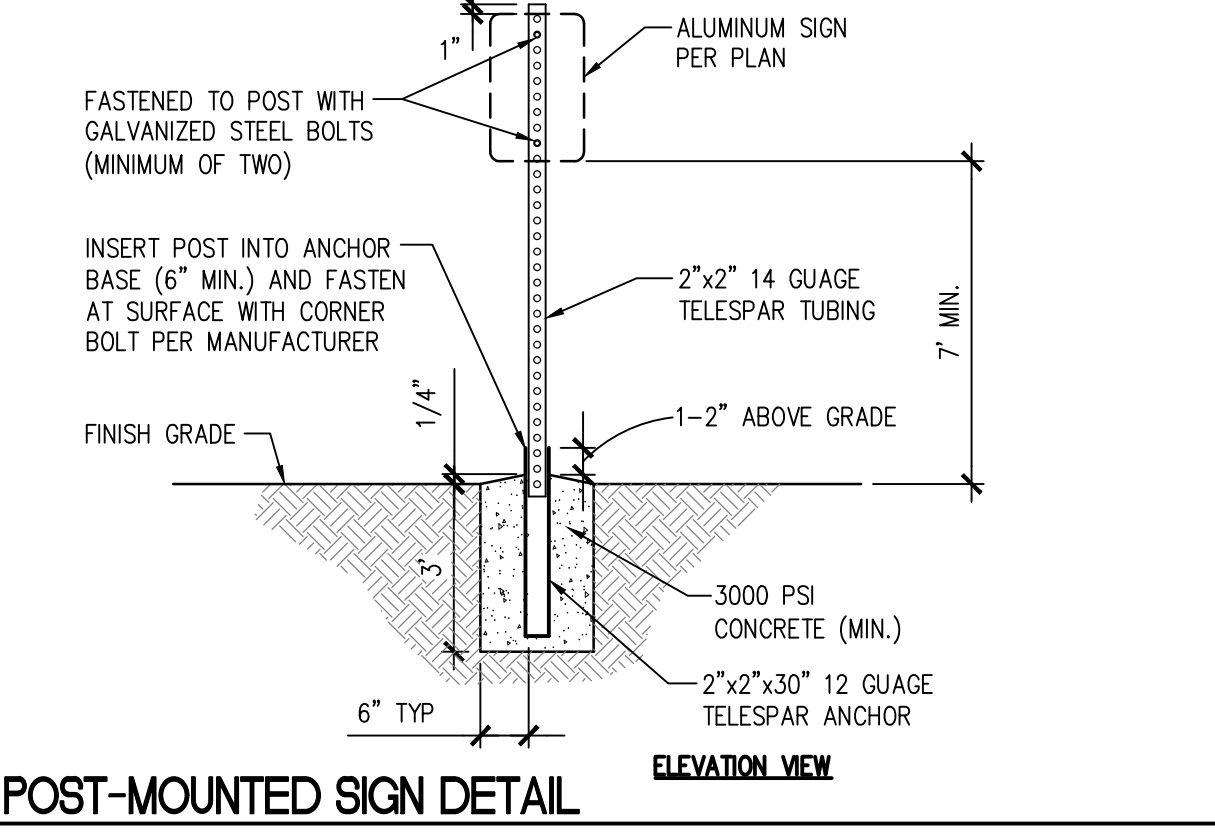


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**CURB AND GUTTER**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.02.09

04 CURB AND GUTTER  
SCALE: N.T.S.

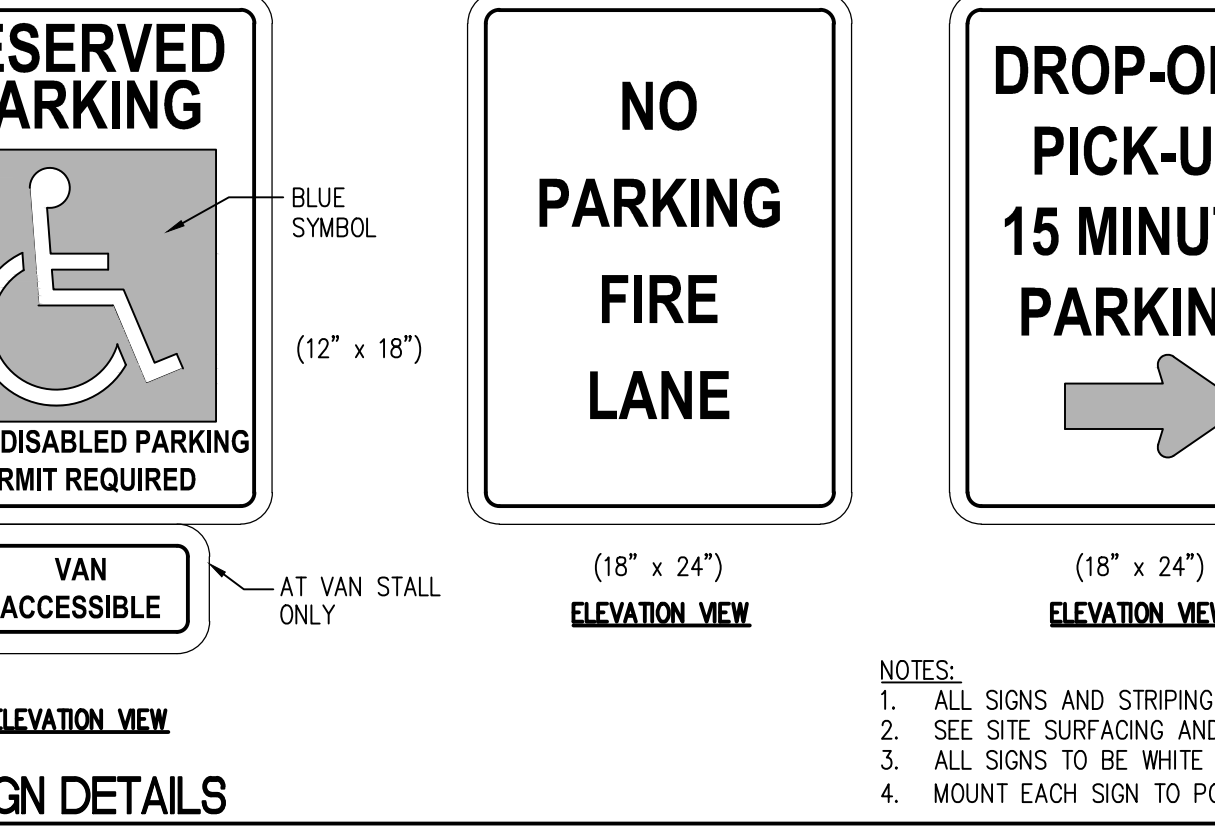


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**POST-MOUNTED SIGN DETAIL**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.02.09

05 POST-MOUNTED SIGN DETAIL  
SCALE: N.T.S.



**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**SIGN DETAILS**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.02.09

06 SIGN DETAILS  
SCALE: N.T.S.

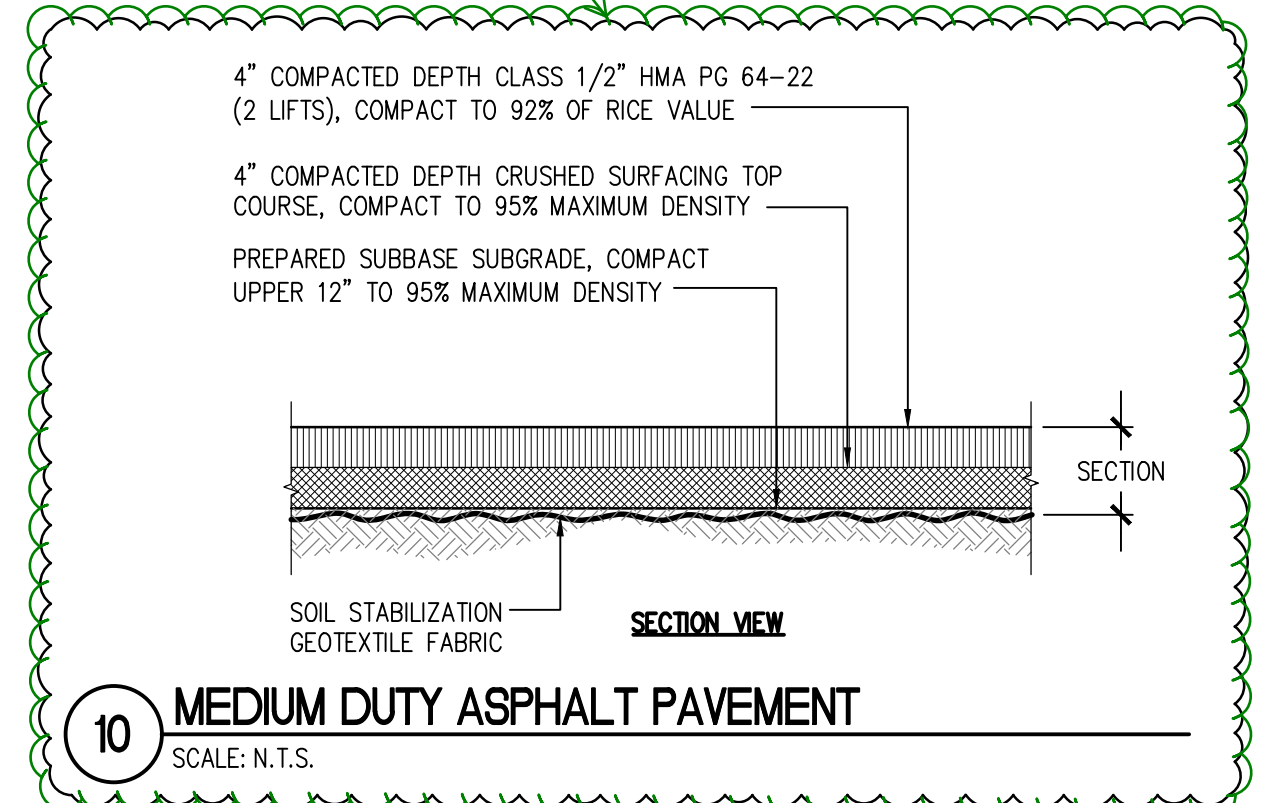
07 ADA LOADING/UNLOADING STRIPING  
SCALE: N.T.S.

08 COMPACT PARKING STALL PAVEMENT MARKING  
SCALE: N.T.S.

CCD-025 - COP #28R: Proceed with the overflow parking area revisions outlined in COP #28R. Overflow Parking Area Revisions: This COP revises the hydroseeded overflow parking area to be paved with asphalt paving; revise as follows:  
Sheet C2.5  
1. Add Detail 10 - Medium Duty Asphalt Pavement.

APPROVED  
BY: CITY OF PUYALLUP ENGINEERING SERVICES  
DATE:  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

Call 811 two business days before you dig

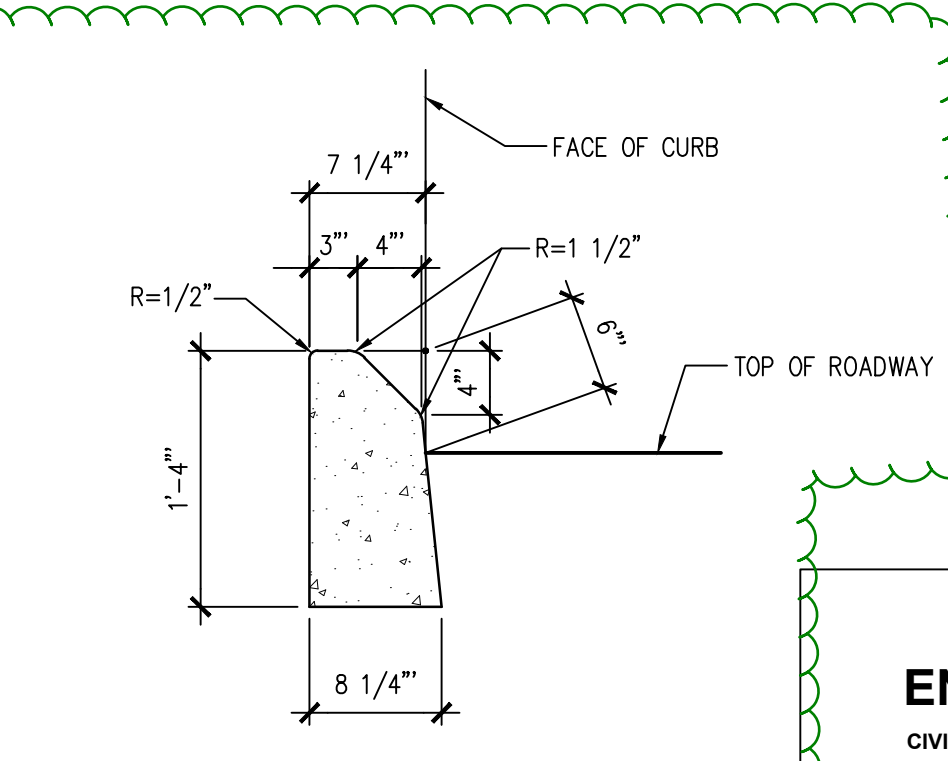


**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**MEDIUM DUTY ASPHALT PAVEMENT**

DESIGNED BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name] CITY ENGINEER: [Name] DATE: 01.02.02

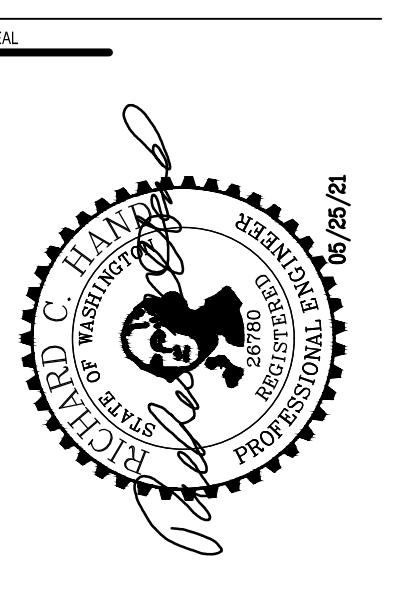
10 MEDIUM DUTY ASPHALT PAVEMENT  
SCALE: N.T.S.



**SITTS & HILL ENGINEERS, INC.**  
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PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sitts-hill.com/

Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

09 MOUNTABLE CEMENT CONCRETE TRAFFIC CURB  
SCALE: N.T.S.



COP#5 3/19/21  
CCD-025 7/15/21

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07
10-27-2020	PCR 002 RESUBMITTAL
01-04-2021	RFI 159
05-03-2021	COP 28

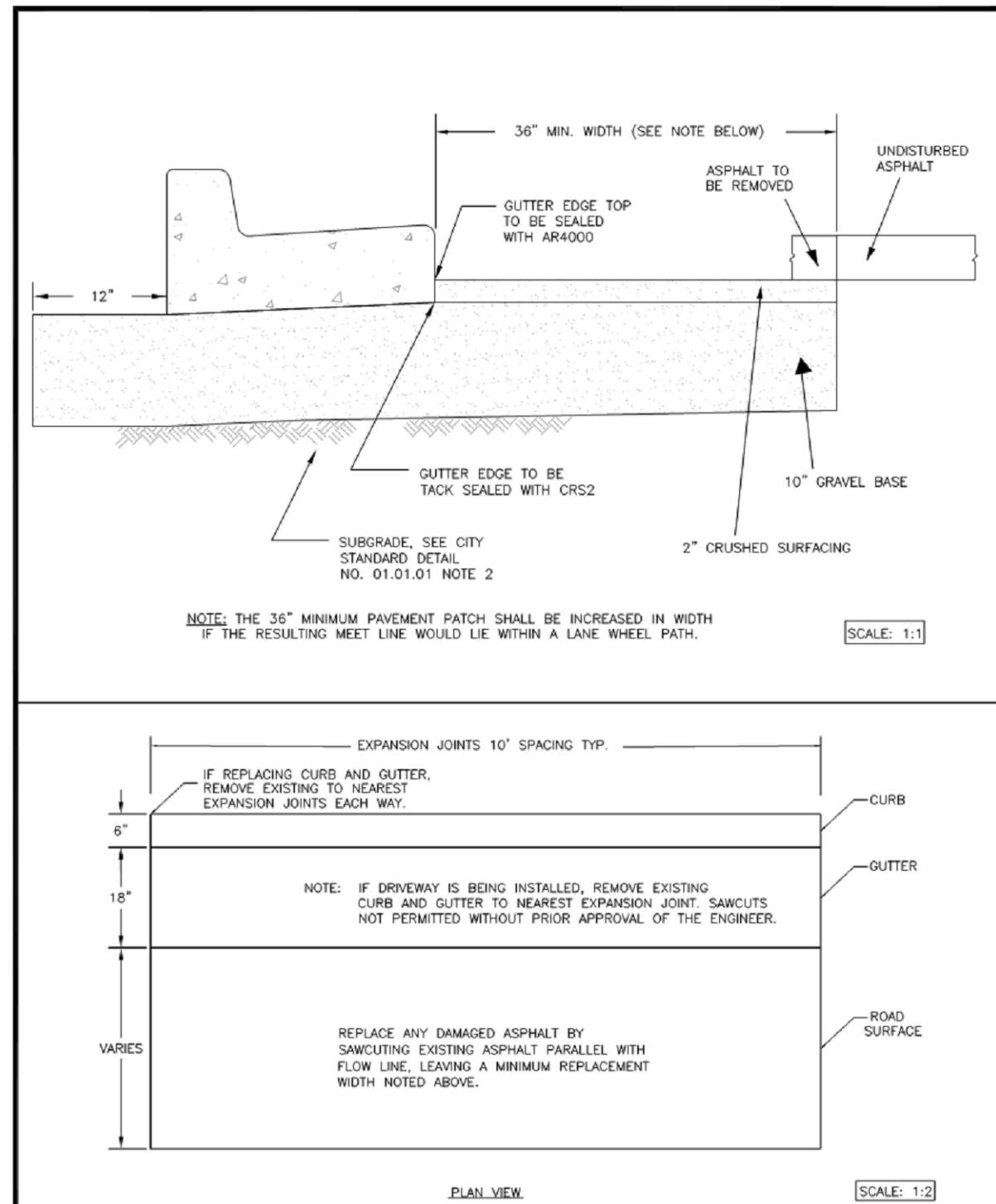
DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SURFACING DETAILS

PCR 002  
E19-0574

BCRA  
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SHEET: CIVIL 13 OF 32

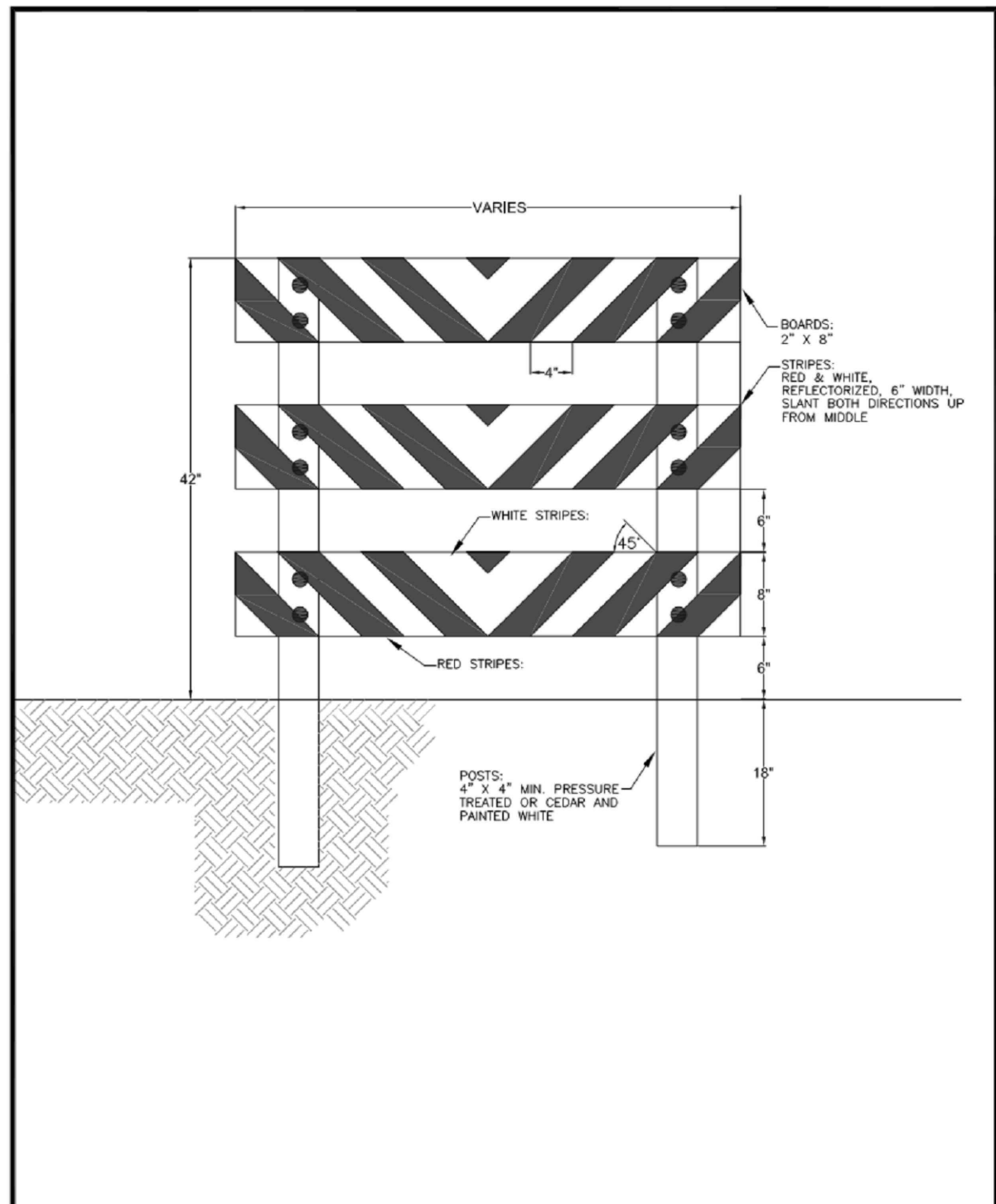
C2.5





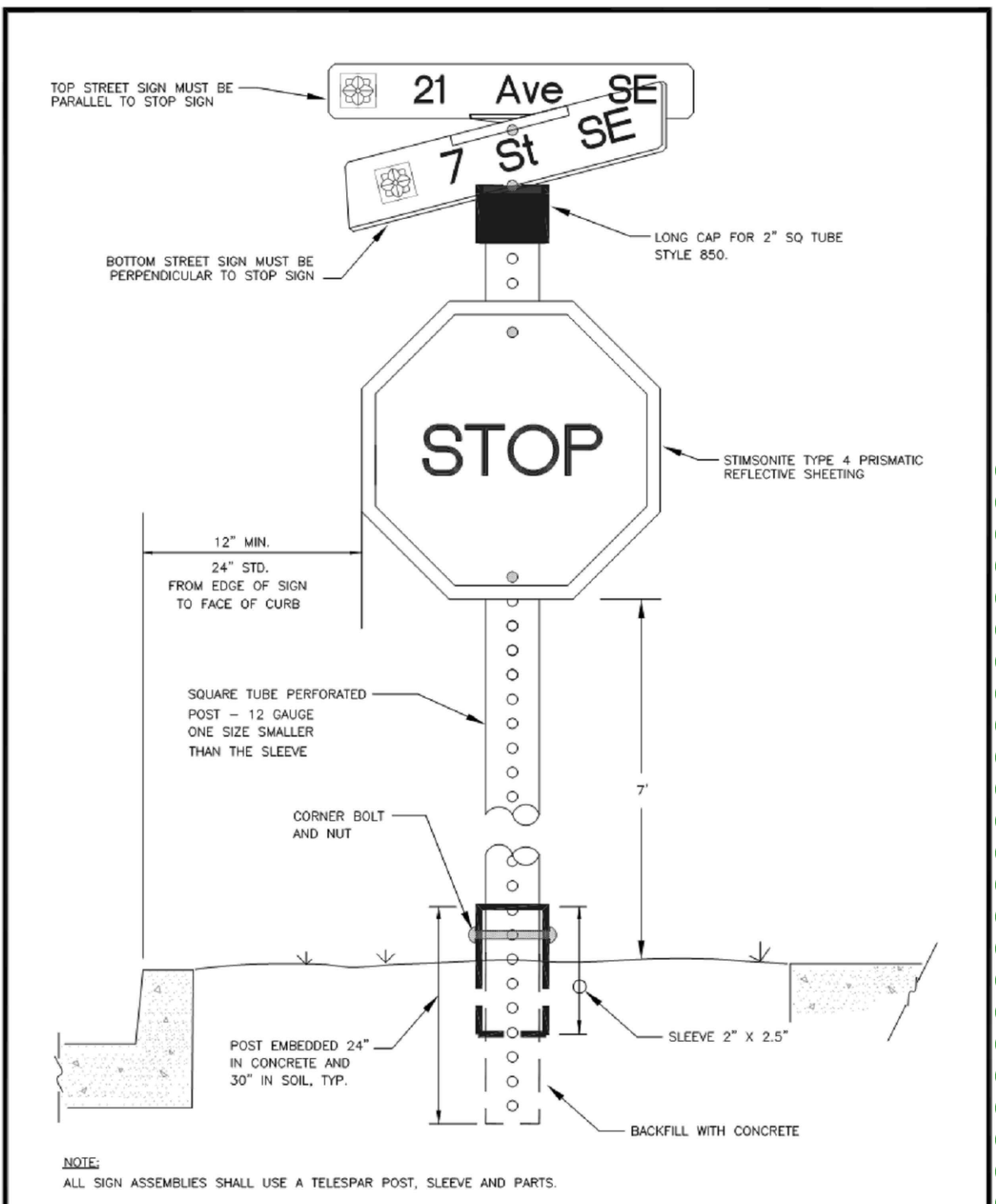
<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>CURB CUT</b>			
	DRAWN BY: [Name] CHECKED BY: [Name] DATE APPROVED: [Date]	DESIGNED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Name] DATE APPROVED: [Date]	CITY STANDARD: [Code] DATE: [Date]

**01 CURB CUT**  
SCALE: N.T.S.



<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>TYPE III BARRICADE FOR FUTURE EXTENDED SIDEWALKS</b>			
	DRAWN BY: [Name] CHECKED BY: [Name] DATE APPROVED: [Date]	DESIGNED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Name] DATE APPROVED: [Date]	CITY STANDARD: [Code] DATE: [Date]

**02 SIDEWALK BARRICADE**  
SCALE: N.T.S.



<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>STREET SIGN DETAIL</b>			
	DRAWN BY: [Name] CHECKED BY: [Name] DATE APPROVED: [Date]	DESIGNED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Name] DATE APPROVED: [Date]	CITY STANDARD: [Code] DATE: [Date]

**03 STREET SIGN DETAIL**  
SCALE: N.T.S.

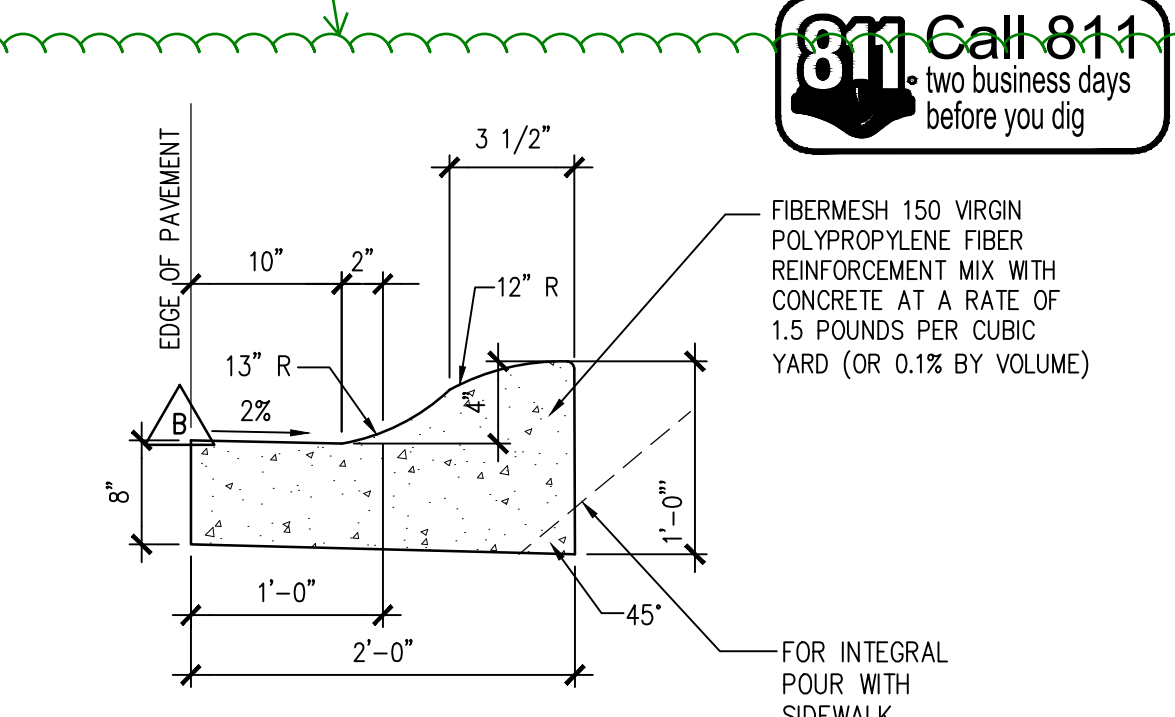
**COP7R - Revisions On Entrance Road:**  
 Make revisions as noted on attached Civil Sheets C1.2, C2.2, C2.6, C3.2 and C3.4:  
 1. Delete asphalt pavement on entrance road already installed previously by Owner; refer to attached Sheet C2.2 for location and extent.  
 2. Revise standard sidewalk on west side of entrance road to thickened sidewalk with rolled curb; refer to attached Drawings for location and extent.  
 3. Construct ADA accessible ramp at north end of sidewalk as noted on attached Drawings.  
 4. Add sidewalk on west side of entrance road alongside the existing bus driver's portable as noted on attached Drawings.

**APPROVED**

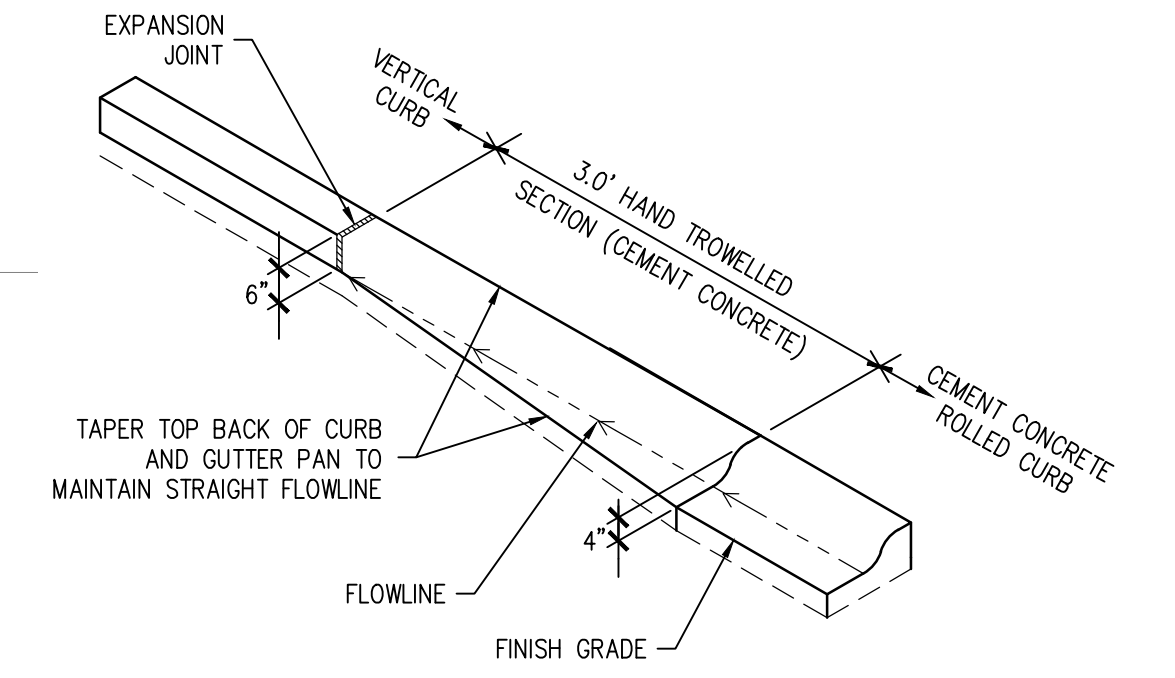
BY: \_\_\_\_\_  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES

DATE: \_\_\_\_\_

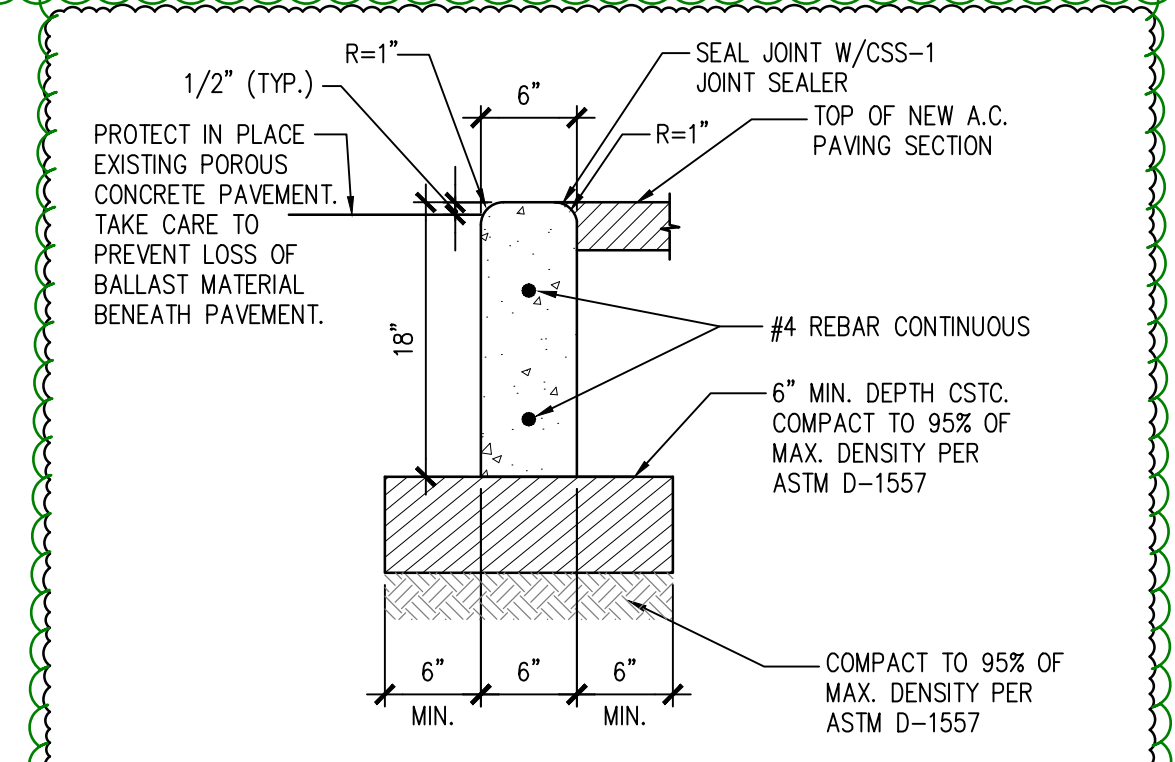
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



**07 CEMENT CONCRETE ROLLED CURB**  
SCALE: N.T.S.



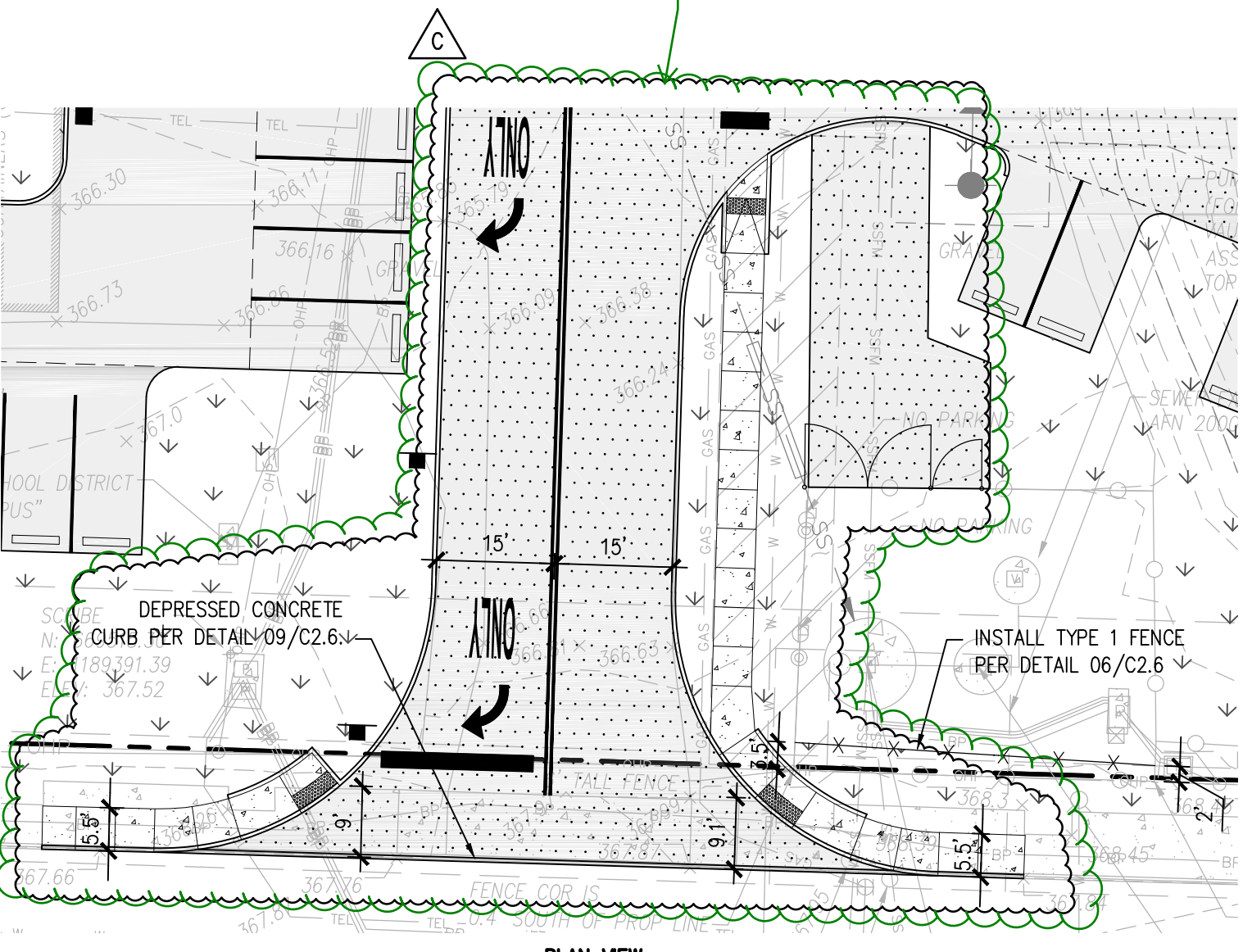
**08 CEMENT CONCRETE ROLLED CURB TRANSITION TO VERTICAL CURB**  
SCALE: N.T.S.



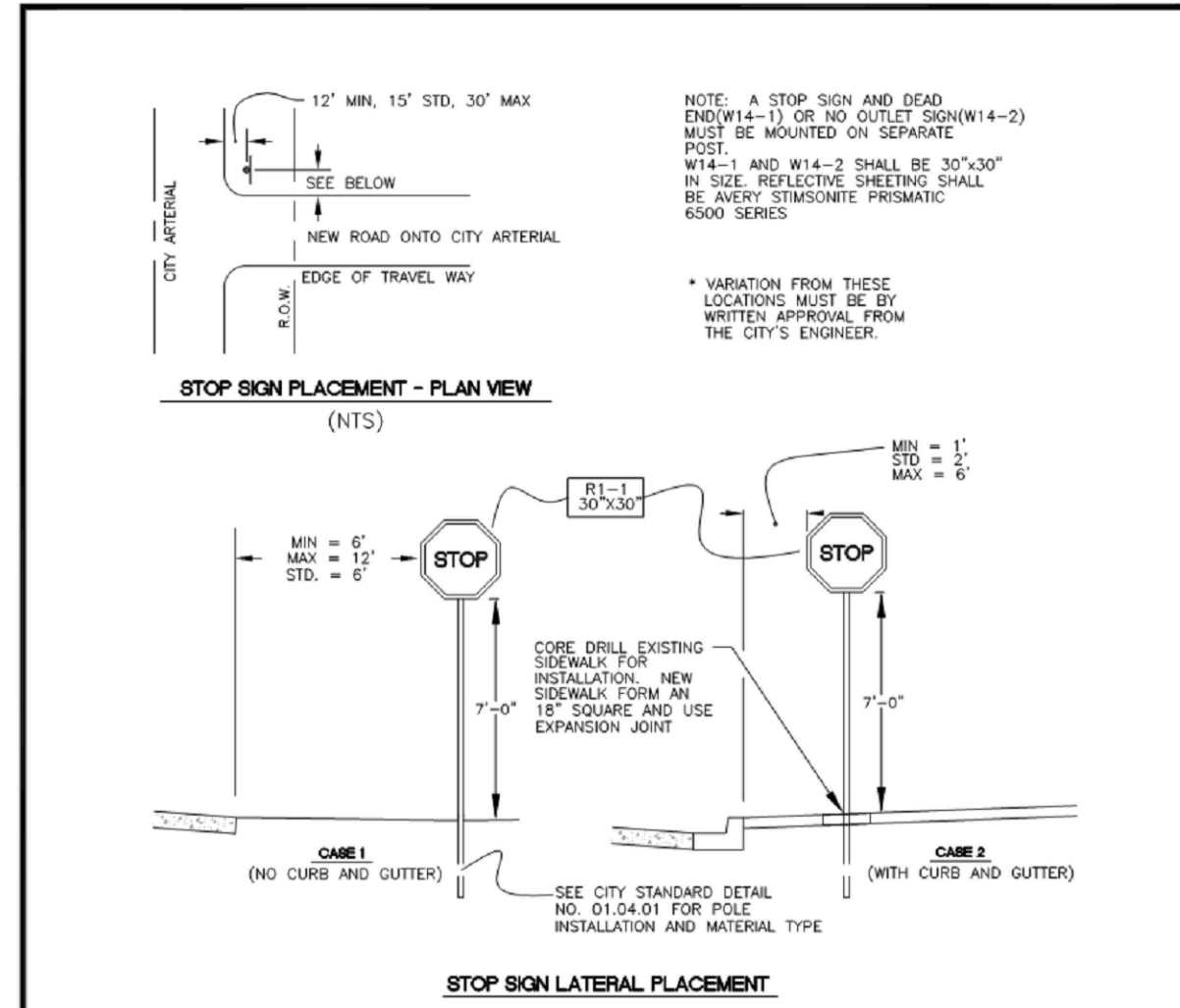
**09 DEPRESSED CONCRETE CURB**  
SCALE: N.T.S.

**COP#5 - 39th Avenue Entrance Access Revisions:** See attached Civil and Landscape Architecture Description of Work for the 39th Avenue Access Changes in City of Puyallup Plan Change Request #002.

**SHEET C2.6 - SURFACING DETAILS**  
 1. REVISE Detail 04 - Enlargement Detail to graphically reflect the change described on Sheet C2.1 as shown on the revised sheet C2.6. ADDED depressed concrete curb callout to the detail.

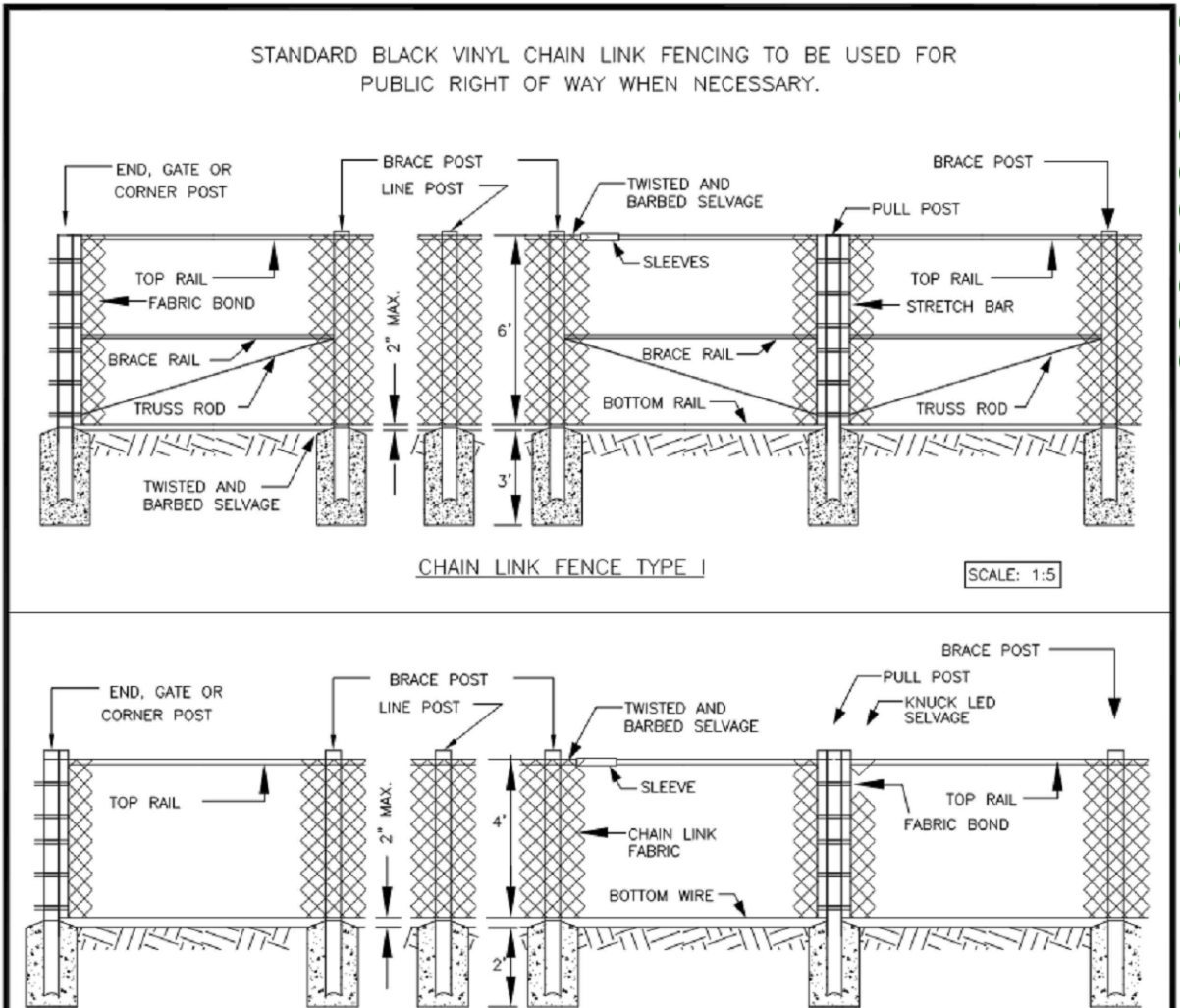


**04 ENLARGEMENT DETAIL**  
SCALE: 1"=20'



<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>STOP SIGN DETAIL</b>			
	DRAWN BY: [Name] CHECKED BY: [Name] DATE APPROVED: [Date]	DESIGNED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Name] DATE APPROVED: [Date]	CITY STANDARD: [Code] DATE: [Date]

**05 STOP SIGN DETAIL**  
SCALE: N.T.S.



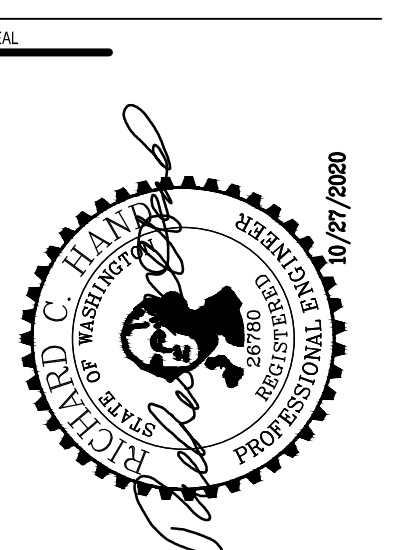
<b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	<b>CHAIN LINK FENCE TYPE 1 AND TYPE 6</b>			
	DRAWN BY: [Name] CHECKED BY: [Name] DATE APPROVED: [Date]	DESIGNED BY: [Name] DATE APPROVED: [Date]	APPROVED BY: [Name] DATE APPROVED: [Date]	CITY STANDARD: [Code] DATE: [Date]

**06 PUMP STATION FENCING**  
SCALE: N.T.S.

**COP#5 - 39th Avenue Entrance Access Revisions:** See attached Civil and Landscape Architecture Description of Work for the 39th Avenue Access Changes in City of Puyallup Plan Change Request #002.

**SHEET C2.6 - SURFACING DETAILS**  
 2. ADD Detail 09 - Depressed Concrete Curb detail as shown on the revised sheet C2.6.

<b>SITTS &amp; HILL ENGINEERS, INC.</b>	
CIVIL • STRUCTURAL • SURVEYING	
4815 CENTER STREET   TACOMA, WA 98409	
PHONE: (253) 474-9449   FAX: (253) 474-9153	
<a href="http://www.sittshill.com/">http://www.sittshill.com/</a>	
Project No.: 18,328	Project Mgr.: RCH
Proj. Engineer: VMS	Proj. Drafter: KLK



COP7R 10/6/20  
COP#5 3/19/21

**PROJECT**  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

**REVISIONS**

03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07
10-27-2020	PCR 002 RESUBMITTAL

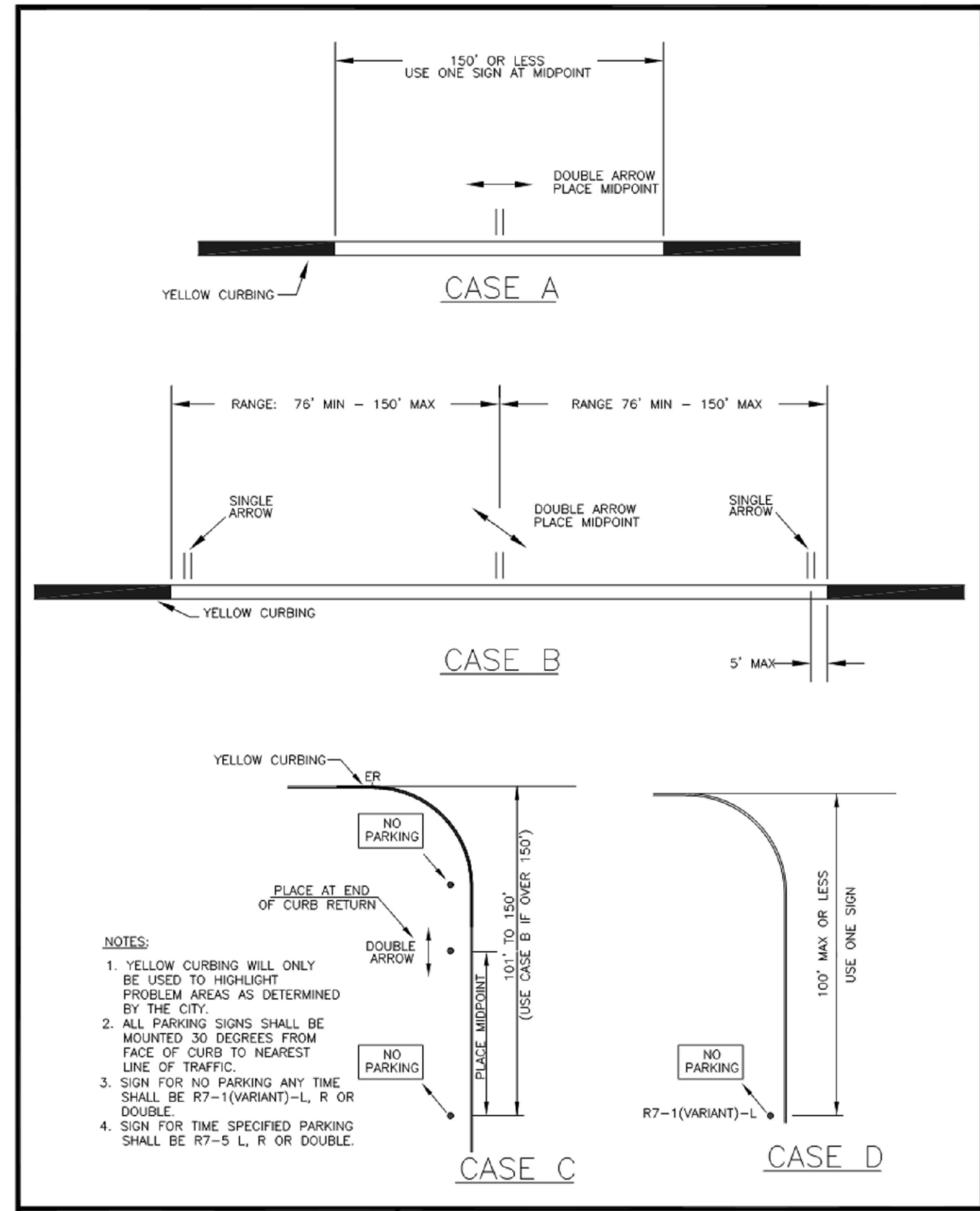
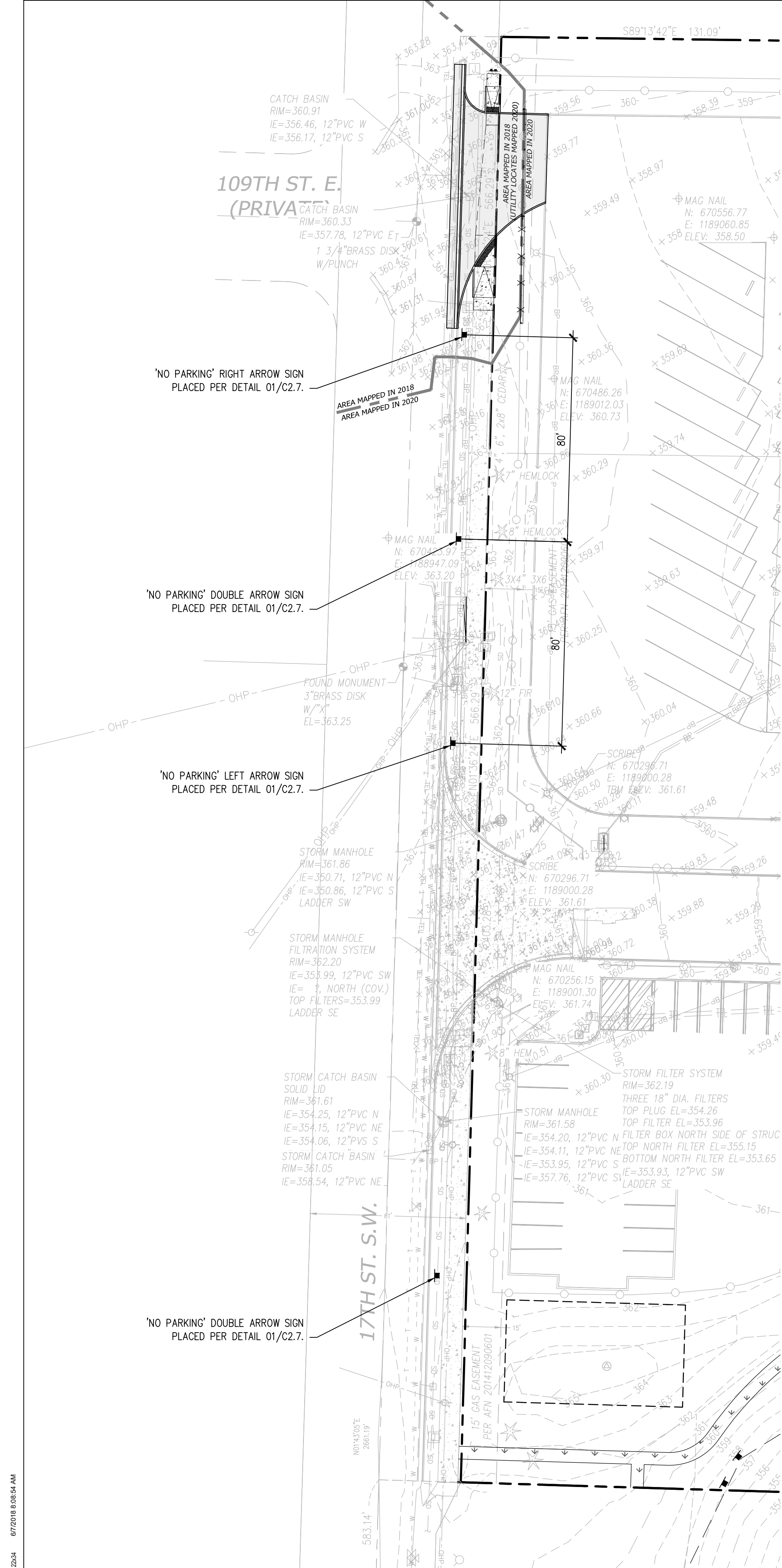
**DATE:** 02.26.2020  
**BCRA NO.:** 18103  
**DRAWN BY:**  
**REVIEWED BY:**  
**SHEET TITLE:** SURFACING DETAILS

**PCR 002**  
E19-0574

**BCRA**  
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 SHEET CIVIL 14 OF 32

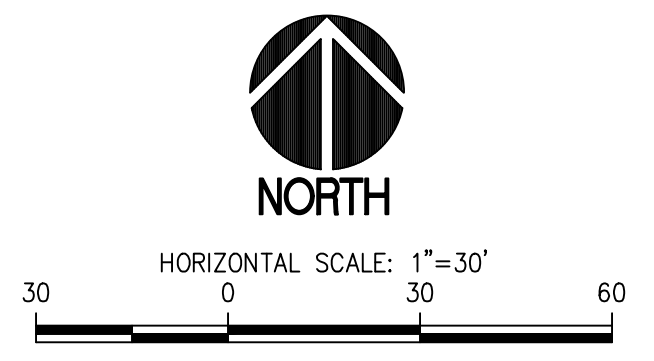
**C2.6**

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



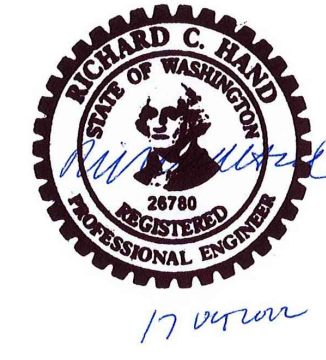
<p><b>CITY OF PUYALLUP</b> DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS</p>	<b>STANDARD LOCATION OF RESTRICTED PARKING SIGNS</b>				
	<p>DESIGN BY: JIM LEWIS-ROBERTS</p>	<p>CHECKED BY: LINDA LEAN</p>	<p>APPROVED BY: COLLEEN HARRIS</p>	<p>REVISION BY: KUNUCK</p>	<p>CITY STANDARD</p>

**01 STANDARD LOCATION OF RESTRICTED PARKING SIGNS**  
SCALE: N.T.S.



**NO PARKING SIGN PLACEMENT PLAN**  
SCALE: 1"=30'

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.



**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: **06-09-20**

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig

**BCRA**

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS:

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: NO PARKING SIGN PLACEMENT PLAN

**BCRA**

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SHEET: CIVIL 15 OF 32

**C2.7**  
CITY RESUBMITTAL

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4815 CENTER STREET | TACOMA, WA. 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

CATCH BASIN (CB) SCHEDULE				
CB ID	STRUCTURE	COVER	RIM	IE
CB 100	TYPE 2-48"	SOLID LOCKING LID	365.52	355.87 12" SE (N) 356.39 6" NE (N) 355.87 12" NW (OUT)
CB 101	TYPE 2-48"	VANED GRATE	362.82	357.00 12" NW (OUT)
CB 102	TYPE 2-48"	VANED GRATE	362.55	354.44 12" SE (N) 354.44 12" NE (OUT)
CB 103	TYPE 1	VANED GRATE	362.15	358.91 12" N (OUT)
CB 104	TYPE 1	SOLID LOCKING LID	363.03	358.03 12" S (N) 358.03 12" W (OUT)
CB 105	TYPE 1	VANED GRATE	361.91	356.92 12" E (N) 357.39 6" S (N) 356.92 12" W (OUT)
CB 106	TYPE 1	VANED GRATE	359.16	356.64 12" W (OUT)
CB 107	TYPE 2-48"	VANED GRATE	361.35	355.82 12" E (N) 355.81 12" S (OUT)
CB 107A	TYPE 2-48"	VANED GRATE	361.37	358.92 12" E (N) 355.92 12" W (OUT)
CB 108	TYPE 2-48"	VANED GRATE	363.25	354.85 12" E (N) 354.85 12" N (N) 354.36 18" W (OUT)
CB 201	TYPE 2-54"	SOLID LOCKING LID	362.47	345.50 30" S (OUT) 341.00 30" S (OUT)
CB 202	TYPE 2-54"	SOLID LOCKING LID	362.39	345.50 30" S (OUT) 341.00 30" S (OUT)
CB 203	TYPE 2-54"	SOLID LOCKING LID	362.70	345.50 30" S (OUT) 341.00 30" S (OUT)
CB 204	TYPE 2-54"	SOLID LOCKING LID	362.57	356.00 8" SE (N) 341.00 30" S (OUT) 345.50 30" S (OUT)
CB 205	TYPE 2-54"	SOLID LOCKING LID	364.24	345.50 30" N (N) 341.00 30" N (N)
CB 206	TYPE 2-54"	SOLID LOCKING LID	364.37	345.50 30" N (N) 341.00 30" N (N)
CB 207	TYPE 2-54"	SOLID LOCKING LID	364.33	345.50 30" N (N) 341.00 30" N (N)
CB 208	TYPE 2-54"	SOLID LOCKING LID	364.47	345.50 30" N (N) 341.00 30" N (N)
CB 209	TYPE 2-54"	SOLID LOCKING LID	359.83	341.00 30" N (N) 351.27 18" W (N) 345.50 30" N (N) 341.00 30" S (OUT) 345.50 30" S (OUT)
CB 210	TYPE 2-48"	BEEHIVE GRATE SEE DETAIL 07/C3.6	355.09	351.34 6" NE (N) 351.34 6" S (N) 351.34 18" E (OUT)
CB 301	TYPE 2-48"	SOLID LOCKING LID	365.01	360.08 6" E (N) 360.08 6" N (N) 360.00 8" W (OUT)
CB 302	TYPE 2-48"	SOLID LOCKING LID	363.91	357.70 6" E (N) 357.70 6" S (N) 360.70 4" S (N) FD 357.61 8" NW (OUT)
YD 01	TYPE 1	HERRINGBONE GRATE	364.16	360.70 4" N (N) FD 360.70 6" SW (OUT)

**KEY NOTES**

- ROOF DRAIN PIPING AND CLEANOUTS FOR COVERED SPORTS COURT ALTERNATE. FOR INFORMATION ONLY. BID ALTERNATE 1.
- PROVIDE STORM DRAIN LINE ENCASEMENT PER DETAIL 03/C4.2 TO PROTECT STORM DRAIN FROM TREES WITHIN 10' OF PIPE. MINIMUM ENCASEMENT LENGTH SHALL BE 20' CENTERED ON THE TREE. COORDINATE WITH LANDSCAPE.

SEE CONTRACTOR RECORD DRAWING C3.1  
ADDED SUMMIT BUILDING AND DISPERSION TRENCH

SEE CONTRACTOR RECORD DRAWING C3.1  
BIORETENTION CELL SEE ENLARGEMENT 02/C3.5 AND SECTION 01/C3.5. MIN. BOTTOM AREA=1,900 SF. BOTTOM ELEV.=354.09

SEE CONTRACTOR RECORD DRAWING C3.1  
TOPOGRAPHIC SURVEY FOR AS-BUILT INSTALLATION

SEE CONTRACTOR RECORD DRAWING C3.1  
OVEREXCAVATION OF INFILTRATION TRENCH TO GOOD SOILS

SEE CONTRACTOR RECORD DRAWING C3.1  
ADD YD 02 & 03

**CATCH BASIN NOTES**

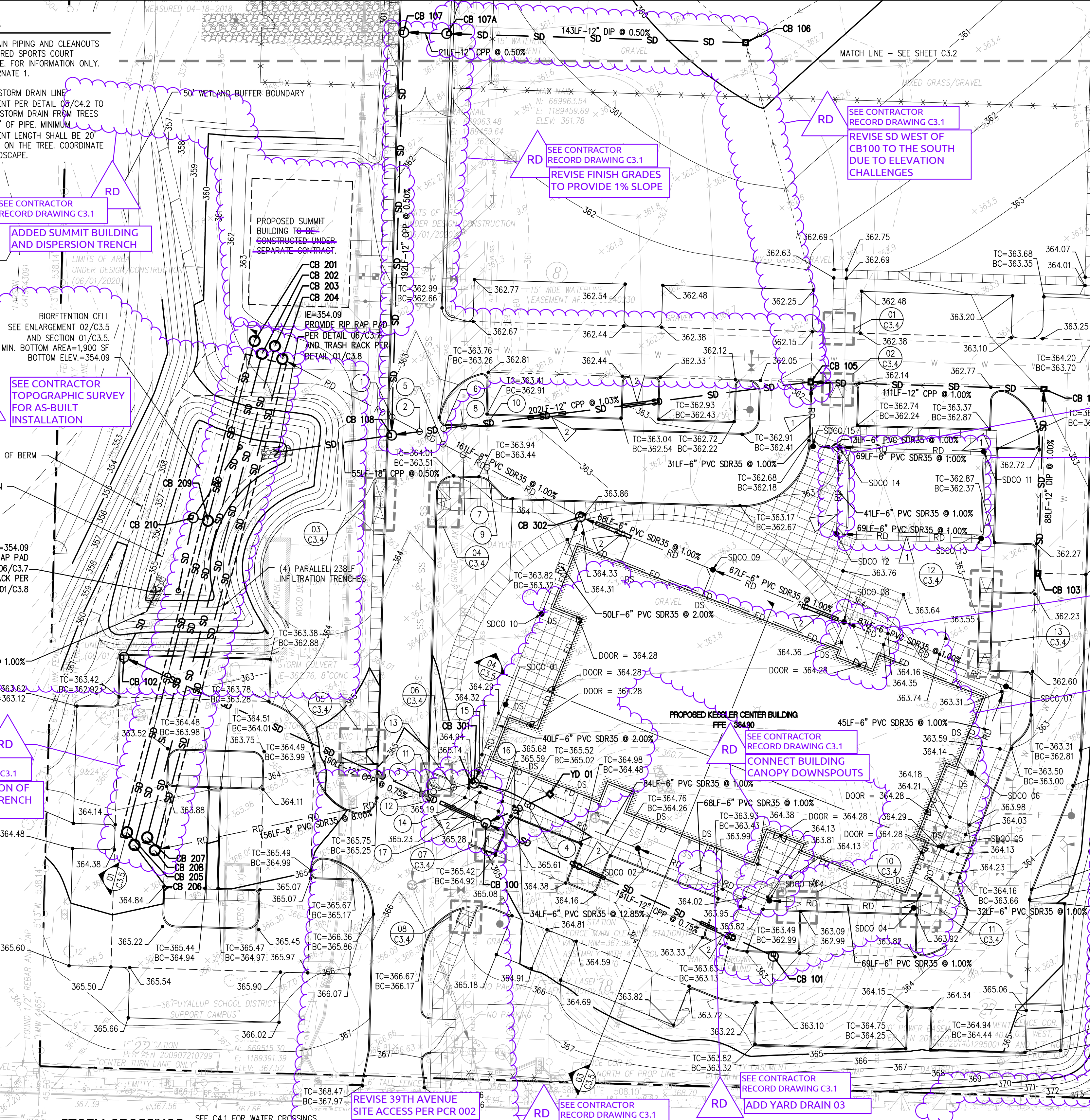
- CB 100, CB 106, CB 201, CB 202, CB 203, AND CB 204: SEE GENERAL NOTE 6.
- CB 102 AND CB 108: PROVIDE SPILL CONTROL TEE ON OUTLET PIPE SIMILAR TO DETAIL 07/C3.6.

CLEANOUT (CO) SCHEDULE				
CB ID	RIM	IE	NOTES	
SDCO 01	364.31	360.89 6" S	6" CO	
SDCO 02	364.56	360.92 6" E 360.92 6" W	6" CO	
SDCO 03	363.79	361.60 6" E 361.60 6" W	6" CO	
SDCO 04	363.91	362.29 6" NE 362.29 6" W	6" CO	
SDCO 05	364.26	362.61 6" SW	6" CO	
SDCO 06	364.08	360.33 6" N	6" CO	
SDCO 07	363.26	359.88 6" S 359.88 6" W	6" CO	
SDCO 08	364.26	359.05 6" E 359.05 6" W	6" CO	

CLEANOUT (CO) SCHEDULE				
CB ID	RIM	IE	NOTES	
SDCO 09	364.37	358.38 6" E 358.38 6" W	6" CO	
SDCO 10	364.31	358.69 6" N	6" CO	
SDCO 11	363.13	358.51 6" W	6" CO	
SDCO 12	363.33	358.24 6" E 358.24 6" W	6" CO	
SDCO 13	362.97	358.93 6" W	6" CO	
SDCO 14	362.92	357.82 6" S 357.82 6" W	6" CO	
SDCO 15	362.74	357.70 6" E 357.70 6" N	6" CO	

**GRADING AND DRAINAGE PLAN**

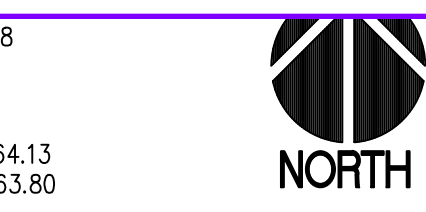
SCALE: 1"=30'



**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

APPROVED  
BY: [Signature]  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig



HORIZONTAL SCALE: 1"=30'

- LEGEND**
- SD - STORM DRAIN PIPE
  - RD - ROOF DRAIN PIPE
  - FD - FOOTING DRAIN PIPE
  - - TYPE 1 CB
  - - TYPE 2 CB
  - SD - INFILTRATION TRENCH PER DETAIL 01/C3.6
  - - GRADE BREAK
  - - FLOW LINE

**GENERAL NOTES**

- TYPE 1 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.02 (SEE DETAIL 01/C3.7) AND DETAIL 02.01 (SEE CONTRACTOR RECORD DRAWING C3.1). EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
- TYPE 2 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.02 (SEE CONTRACTOR RECORD DRAWING C3.1). EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
- CB FRAMES AND GRATES SHALL BE LOCKING AND COMPLY WITH CITY STANDARD DETAIL 02.01.05 (SEE DETAIL 04/C3.7). SOLID COVER SHALL COMPLY WITH WSDOT STANDARD PLAN B-30.20-04.
- TYPICAL SD UTILITY TRENCH AND STRUCTURE EXCAVATION, BEDDING & BACKFILL REQUIREMENTS SHALL COMPLY WITH DETAILS 04 & 05/C3.6 UNLESS OTHERWISE DETAILED.
- BUILDING DOWNSPOUT CONNECTION SHALL COMPLY WITH DETAIL 05/C3.7 REQUIREMENTS. COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS FOR EXACT HORIZONTAL LOCATIONS.
- PROVIDE CONCRETE COLLARS FOR CATCH BASINS NOT IN PAVED LOCATIONS PER DETAIL 03/C3.6.
- AT THE COMPLETION OF THE BIORETENTION CELLS CONSTRUCTION, THE ENGINEER-OF-RECORD SHALL PROVIDE A WRITTEN STATEMENT TO THE CITY OF PUYALLUP THAT THE BIORETENTION CELLS WERE BUILT PER THE APPROVED DESIGN.
- THE BIORETENTION SOIL MEDIA (BSM) SUPPLIER SHALL CERTIFY IN WRITING THAT THE BSM MEETS THE GUIDELINES FOR ECOLOGY-APPROVED BSM INCLUDING MINERAL AGGREGATE GRADATION, COMPOST GUIDELINES, AND MIX STANDARDS AS SPECIFIED IN THE 2012 LOW IMPACT DEVELOPMENT TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND. AND, IF SO VERIFIED, NO LABORATORY TESTING, CATION EXCHANGE, OR ORGANIC CONTENT TESTING IS REQUIRED.
- INSTALL STORM DRAIN CLEANOUTS PER DETAIL 02/C3.6.

**STORM CROSSINGS**

- BOTTOM OF 8" ROOF DRAIN=356.58  
TOP OF 12" STORM DRAIN=356.01  
SEPARATION=0.57
- BOTTOM OF 8" ROOF DRAIN=356.72  
TOP OF 12" STORM DRAIN=356.10  
SEPARATION=0.62
- BOTTOM OF 8" ROOF DRAIN=357.95  
TOP OF 12" STORM DRAIN=356.73  
SEPARATION=1.22
- BOTTOM OF 6" ROOF DRAIN=360.34  
TOP OF 6" STORM DRAIN=359.71  
SEPARATION=0.63
- ESTIMATED BOTTOM OF EXISTING GAS=359.20  
TOP OF 8" ROOF DRAIN=357.56  
SEPARATION=1.64
- ESTIMATED BOTTOM OF EXISTING GAS=359.20  
TOP OF 12" STORM DRAIN=356.22  
SEPARATION=2.98
- ESTIMATED BOTTOM OF EXISTING 8" WATER=358.35  
TOP OF 8" ROOF DRAIN=357.67  
SEPARATION=0.69
- ESTIMATED BOTTOM OF EXISTING 8" WATER=358.35  
TOP OF 12" STORM DRAIN=356.32  
SEPARATION=2.03
- ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=359.26  
TOP OF 8" ROOF DRAIN=357.80  
SEPARATION=1.46
- ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=359.26  
TOP OF 12" STORM DRAIN=356.44  
SEPARATION=2.82
- ESTIMATED BOTTOM OF EXISTING GAS=361.26  
TOP OF 8" ROOF DRAIN=359.11  
SEPARATION=2.15
- ESTIMATED BOTTOM OF EXISTING GAS=361.26  
TOP OF 12" STORM DRAIN=356.77  
SEPARATION=4.49
- ESTIMATED BOTTOM OF EXISTING 8" WATER=360.77  
TOP OF 8" ROOF DRAIN=359.88  
SEPARATION=0.89
- ESTIMATED BOTTOM OF EXISTING 8" WATER=360.77  
TOP OF 12" STORM DRAIN=356.85  
SEPARATION=3.92
- ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=362.00  
TOP OF 6" ROOF DRAIN=360.73  
SEPARATION=1.27
- ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=362.00  
TOP OF 6" ROOF DRAIN=360.62  
SEPARATION=1.38
- ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=362.00  
TOP OF 12" STORM DRAIN=356.95  
SEPARATION=5.05

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4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

**BCRA**  
REGISTERED PROFESSIONAL ENGINEER  
LICENSE NO. 100000000  
1700 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

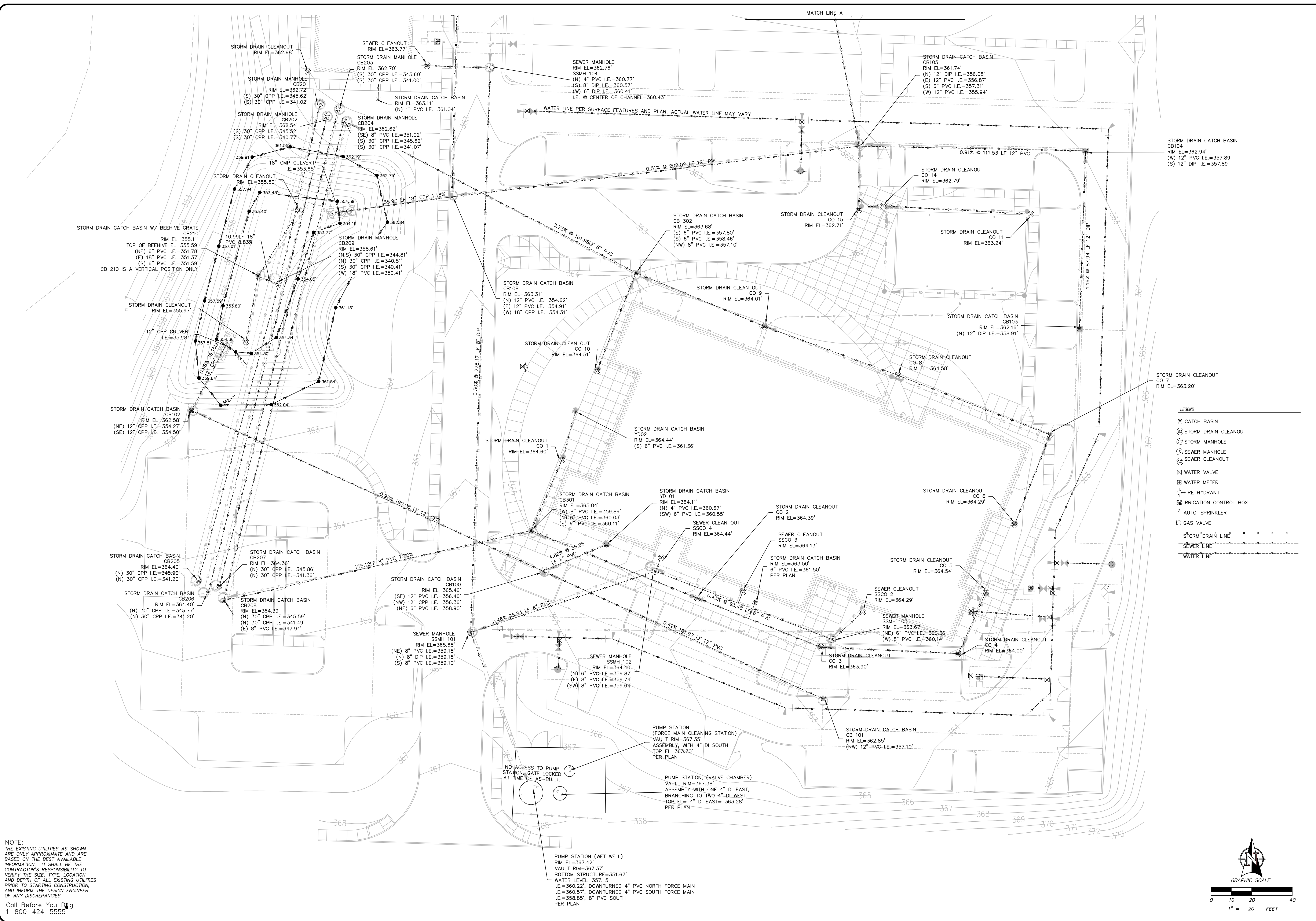
DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE:  
**GRADING AND DRAINAGE PLAN**

**BCRA**  
CIVIL 16 OF 32

**C3.1**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY





NOTE:  
 THE EXISTING UTILITIES AS SHOWN  
 ARE ONLY APPROXIMATE AND ARE  
 BASED ON THE BEST AVAILABLE  
 INFORMATION. IT SHALL BE THE  
 CONTRACTOR'S RESPONSIBILITY TO  
 VERIFY THE SIZE, TYPE, LOCATION,  
 AND DEPTH OF ALL EXISTING UTILITIES  
 PRIOR TO STARTING CONSTRUCTION,  
 AND INFORM THE DESIGN ENGINEER  
 OF ANY DISCREPANCIES.

Call Before You Dig  
 1-800-424-5555

SHT. 2 OF 2

TOPOGRAPHIC SURVEY

1501 39TH AVE SW  
 PUYALLUP, WA 98375  
 TAX PARCEL NO. 0419043117

PEASE & SONS INC  
 PUYALLUP, PIERCE COUNTY, WA

CHECKED: ENM  
 JOB NO.: PEASE-200506  
 FIELD DREW: DA. ES. AO. MB

DRAFTED: AG  
 DATE: 8/30/2022  
 SCALE: 1" = 20'

informed land survey  
 PO Box 5137  
 Tacoma, WA 98415-0137  
 Phone: 361.632.2070  
 admin@landsurvey.com  
 www.landsurvey.com

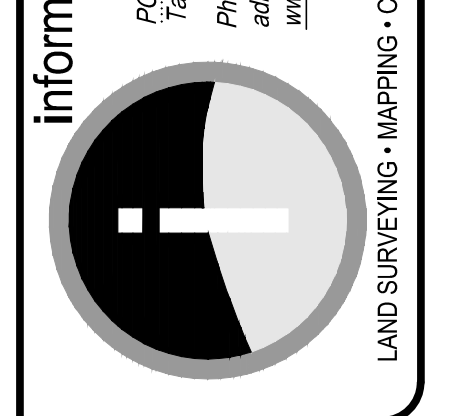
LAND SURVEYING • MAPPING • CONSTRUCTION LAYOUT

LOCATED IN SW 1/4 OF THE SW 1/4 OF SECTION 4, TOWNSHIP 19N, RANGE 4E,  
 W.M.

FOR:

LEGEND

- ☐ CATCH BASIN
- ⊗ STORM DRAIN CLEANOUT
- ⊙ STORM MANHOLE
- ⊕ SEWER MANHOLE
- ⊖ SEWER CLEANOUT
- ⊗ WATER VALVE
- ⊕ WATER METER
- ⊖ FIRE HYDRANT
- ⊗ IRRIGATION CONTROL BOX
- ⊕ AUTO-SPRINKLER
- ⊖ GAS VALVE
- STORM DRAIN LINE
- SEWER LINE
- WATER LINE





**LEGEND**

- PROPOSED FEATURES-**
- SD — STORM DRAIN PIPE
  - RD — ROOF DRAIN PIPE
  - TYPE 1 CB
  - TYPE 2 CB

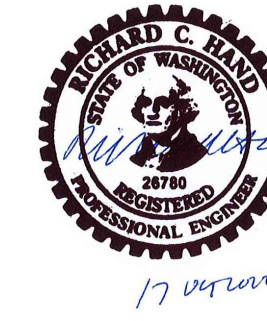
**GENERAL NOTES**

- TYPE 1 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.02 (SEE DETAIL 01/C3.7) AND DETAIL 02.01.03 (SEE DETAIL 02/C3.7) REQUIREMENTS. EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
- TYPE 2 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.04 REQUIREMENTS (SEE DETAIL 03/C3.7). EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
- CB FRAMES AND GRATES SHALL BE LOCKING AND COMPLY WITH CITY STANDARD DETAIL 02.01.05 (SEE DETAIL 04/C3.7). SOLID COVER SHALL COMPLY WITH WSDOT STANDARD PLAN B-30.20-04.
- TYPICAL SD UTILITY TRENCH AND STRUCTURE EXCAVATION, BEDDING & BACKFILL REQUIREMENTS SHALL COMPLY WITH DETAILS 04 & 05/C3.6 UNLESS OTHERWISE DETAILED.
- PROVIDE CONCRETE COLLARS FOR CATCH BASINS NOT IN PAVED LOCATIONS PER DETAIL 03/C3.6.

CATCH BASIN (CB) SCHEDULE				
CB ID	STRUCTURE	COVER	RIM	IE
CB 106	TYPE 1	VANED GRATE	359.19	356.64 12" W (OUT)
CB 107	TYPE 2-48"	VANED GRATE	361.35	355.82 12" E (IN) 355.81 12" S (OUT)
CB 107A	TYPE 2-48"	VANED GRATE	361.37	355.92 12" E (IN) 355.92 12" W (OUT)

RD  
SEE CONTRACTOR RECORD DRAWING C3.2  
REVISE ELEVATIONS AND/OR STRUCTURES

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

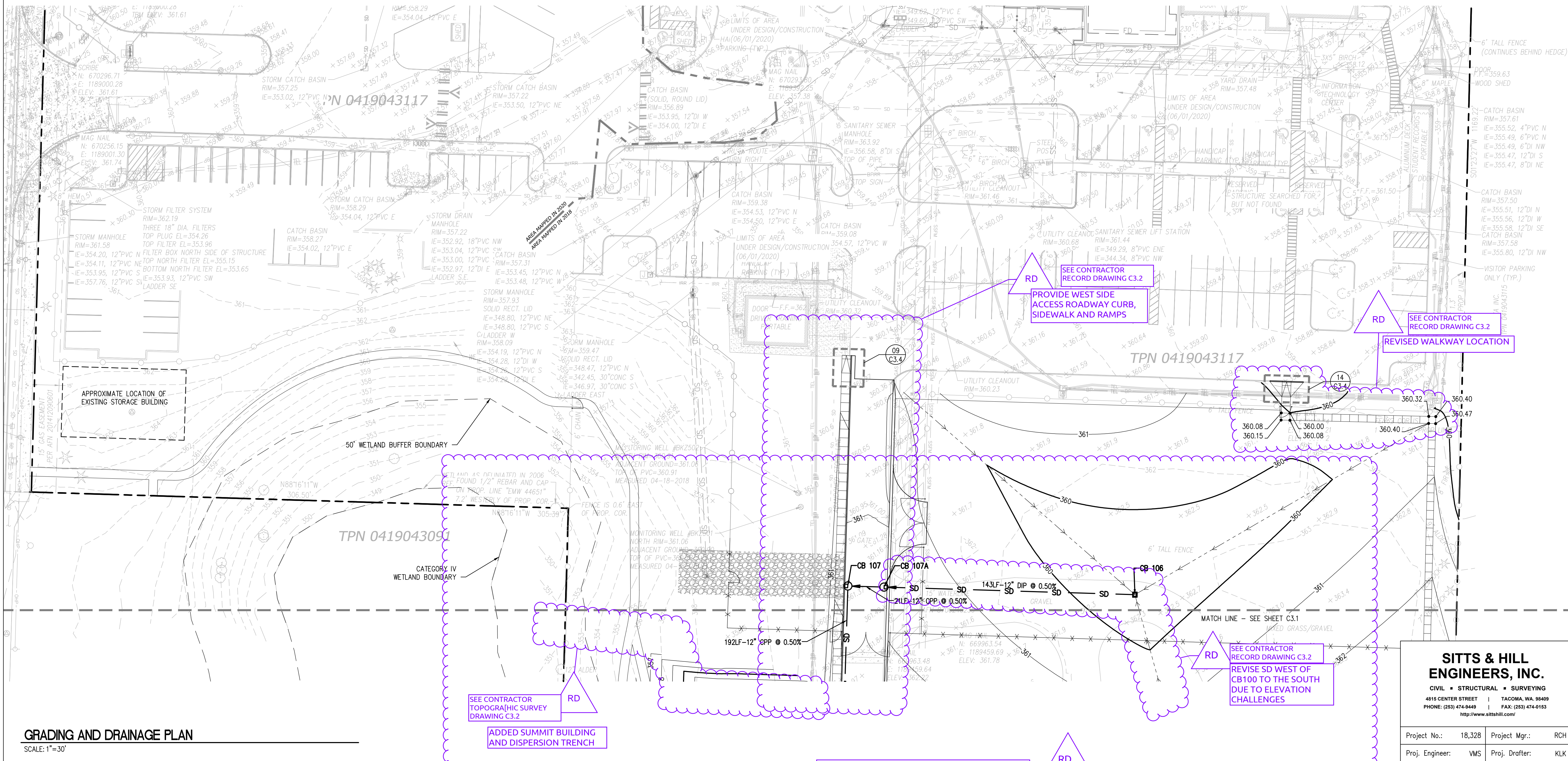


**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig



HORIZONTAL SCALE: 1"=30'



**GRADING AND DRAINAGE PLAN**  
SCALE: 1"=30'

**SITTS & HILL ENGINEERS, INC.**  
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4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

**PROJECT**  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: GRADING AND DRAINAGE PLAN

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SHEET CIVIL 17 OF 32

**C3.2**  
CITY RESUBMITTAL

**BCRA**  
T 253.697.0337 F 253.697.4386 WWW.BCRAENGINEERS.COM  
2100 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402

**SEAL**  
RICHARD C. HILL  
LICENSED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
LICENSE NO. 26789

**LEGEND**

- PROPOSED FEATURES-**
- SD STORM DRAIN PIPE
  - RD ROOF DRAIN PIPE
  - TYPE 1 CB
  - TYPE 2 CB

**GENERAL NOTES**

- TYPE 1 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.02 (SEE DETAIL 01/C3.7) AND DETAIL 02.01.03 (SEE DETAIL 02/C3.7) REQUIREMENTS. EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
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CATCH BASIN (CB) SCHEDULE				
CB ID	STRUCTURE	COVER	RIM	IE
CB 106	TYPE 1	VANED GRATE	359.19	356.80 12" S (OUT)
CB 107	TYPE 2-48"	VANED GRATE	361.34	355.57 12" E (IN) 355.57 12" S (OUT)
CB 107A	TYPE 1	VANED GRATE	361.32	356.36 12" W (OUT)

**COP7R - Revisions On Entrance Road:** Make revisions as noted on attached Civil Sheets C1.2, C2.2, C2.6, C3.2 and C3.4:

- Delete asphalt pavement on entrance road already installed previously by Owner; refer to attached Sheet C2.2 for location and extent.
- Revise standard sidewalk on west side of entrance road to thickened sidewalk with rolled curb; refer to attached Drawings for location and extent.
- Construct ADA accessible ramp at north end of sidewalk as noted on attached Drawings.
- Add sidewalk on west side of entrance road alongside the existing bus driver's portable as noted on attached Drawings.

**RFI-030 - Sitts & Hill initial response requested supplemental information per July 1, 2020 email.**  
Pease & Sons provided requested supplemental information on July 2, 2020 per attached email.  
**RFI Response:** The pipe segment from CB 106 will be redirected to CB 105, instead of CB 107A. CB 105 will be changed from a Type 1 to a Type 2-48". CB 107A will be changed from a Type 2-48" to a Type 1. The new IE at CB 106 will be 356.80. The IE at CB 107A will be changed to 356.36. The new North IE at CB 105 will be 355.97. The West IE at CB 105 will be changed to 355.95. The IEs at CB 107 will be revised to 355.57. The IEs at CB 108 will be revised to 354.74 12" E, 354.61 12" N, and 354.25 18" W. The crossing notes on sheet C3.1 have been revised to reflect these changes.

CCD-001 - Proceed with work outlined in response to RFI #030 as follows:

**APPROVED**

BY: CITY OF PUYALLUP ENGINEERING SERVICES

DATE:

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



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two business days before you dig

HORIZONTAL SCALE: 1"=30'

30 0 30 60



RFI-030 - 7/1/20  
COP7R 10/6/20  
CCD-001 7/6/20

**PROJECT**  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
08-15-2020	CONFORMED SET
08-20-2020	PCR 002
09-30-2020	COP 07

**DATE**  
02.26.2020

**BCRA NO.**  
18103

**DRAWN BY:**

**REVIEWED BY:**

**SHEET TITLE**  
GRADING AND DRAINAGE PLAN

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SHEET CIVIL 17 OF 32

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Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**C3.2**

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

# AS-BUILT SURVEY

## SURVEYOR'S NOTES

1. THE PURPOSE OF THIS SURVEY IS TO PROVIDE POST CONSTRUCTION AS-BUILTS.
2. THIS SURVEY WAS MADE BY FIELD TRAVERSE USING A GEOMAX ZOOM 90 2" ROBOTIC TOTAL STATION AND TOPCON HIPER SR GPS WITH RESULTING CLOSURES EXCEEDING THE MINIMUM ACCURACY STANDARDS AS SET FORTH BY WAC 332-130.

## HORIZONTAL DATUM

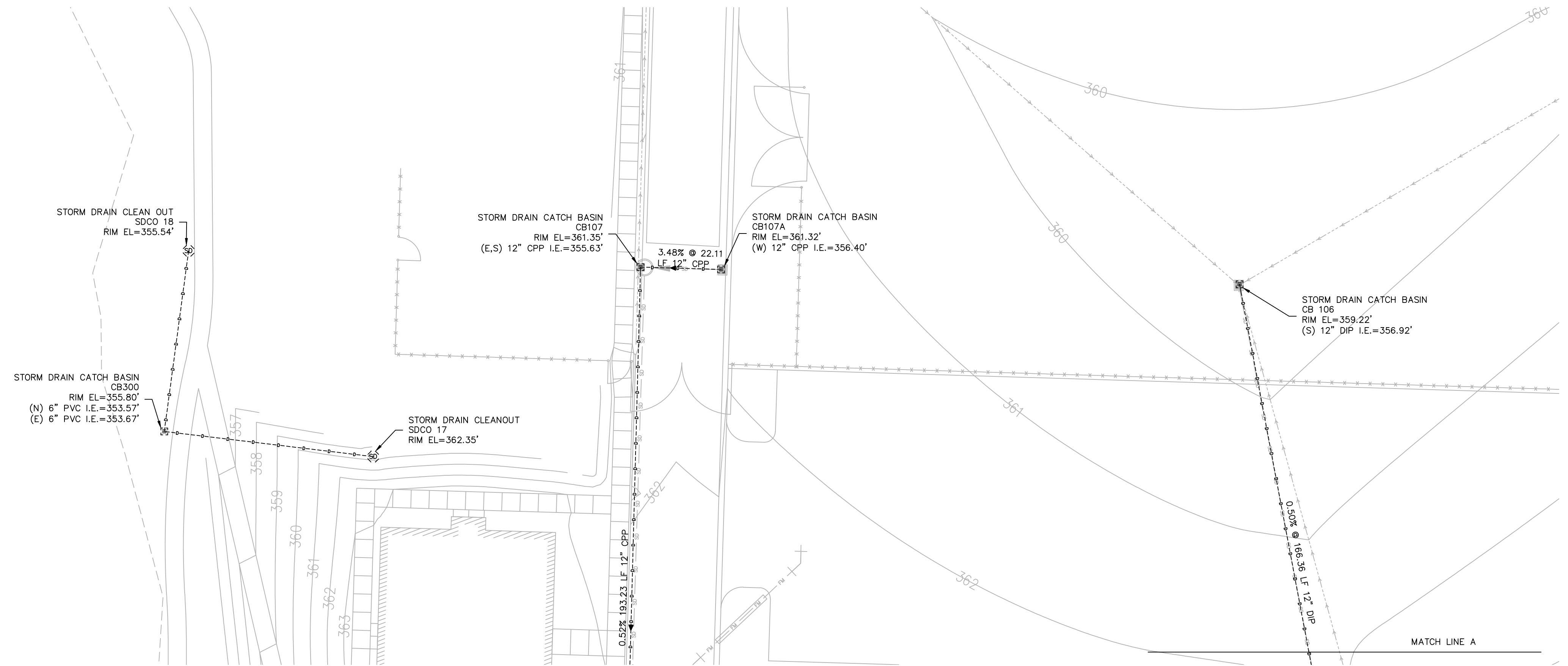
NAD 1983(2011) SOUTH ZONE, PER RTK GPS TIES AND THE WASHINGTON STATE REFERENCE NETWORK (WSRN). UNITS OF MEASUREMENT ARE U.S. SURVEY FEET.

## VERTICAL DATUM

THE VERTICAL DATUM FOR THIS SURVEY IS NAVD88, PER TIES TO SITE BENCHMARK, ELEVATION 366.61 FEET. UNITS OF MEASUREMENT ARE U.S. SURVEY FEET.

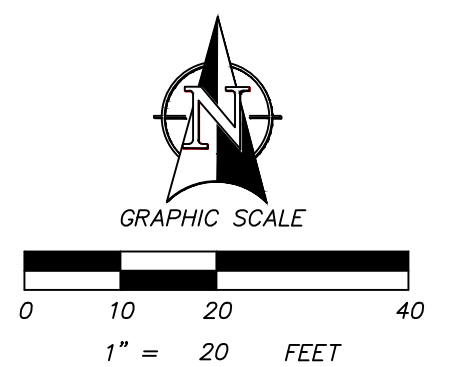
## LEGEND

- STORM DRAIN CATCH BASIN
- STORM DRAIN CLEANOUT
- STORM DRAIN MANHOLE
- SEWER CLEANOUT
- SEWER MANHOLE
- STORM DRAIN LINE
- SEWER LINE



NOTE:  
THE EXISTING UTILITIES AS SHOWN ARE ONLY APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE SIZE, TYPE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO STARTING CONSTRUCTION, AND INFORM THE DESIGN ENGINEER OF ANY DISCREPANCIES.

Call Before You Dig  
1-800-424-5555



SHT. 1 OF 2

LOCATED IN SW 1/4 OF THE SW 1/4 OF SECTION 4, TOWNSHIP 19N, RANGE 4E, W.M.

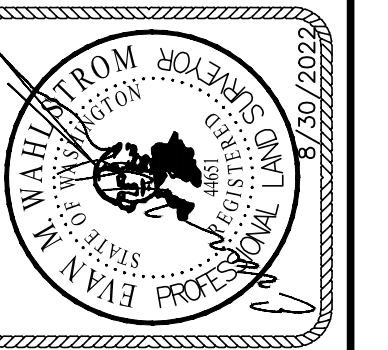
FOR: PEASE & SONS INC

PUYALLUP, PIERCE COUNTY, WA

TOPOGRAPHIC SURVEY

CHECKED: ENM  
JOB NO.: PEASE-200506  
FIELD CREW: DA, ES, AO, MB

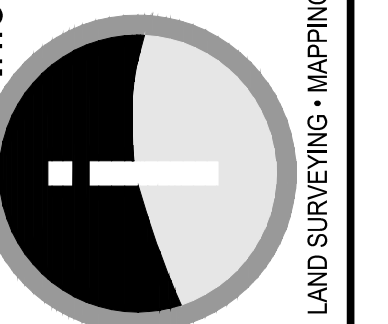
DRAFTED: AG  
DATE: 8/30/2022  
SCALE: 1" = 20'



1501 39TH AVE SW  
PUYALLUP, WA 98375  
TAX PARCEL NO. 0419043117

informed land survey

PO Box 5137  
Tacoma, WA 98415-0137  
Phone: 362.637.2070  
admin@landsurvey.com  
www.landsurvey.com



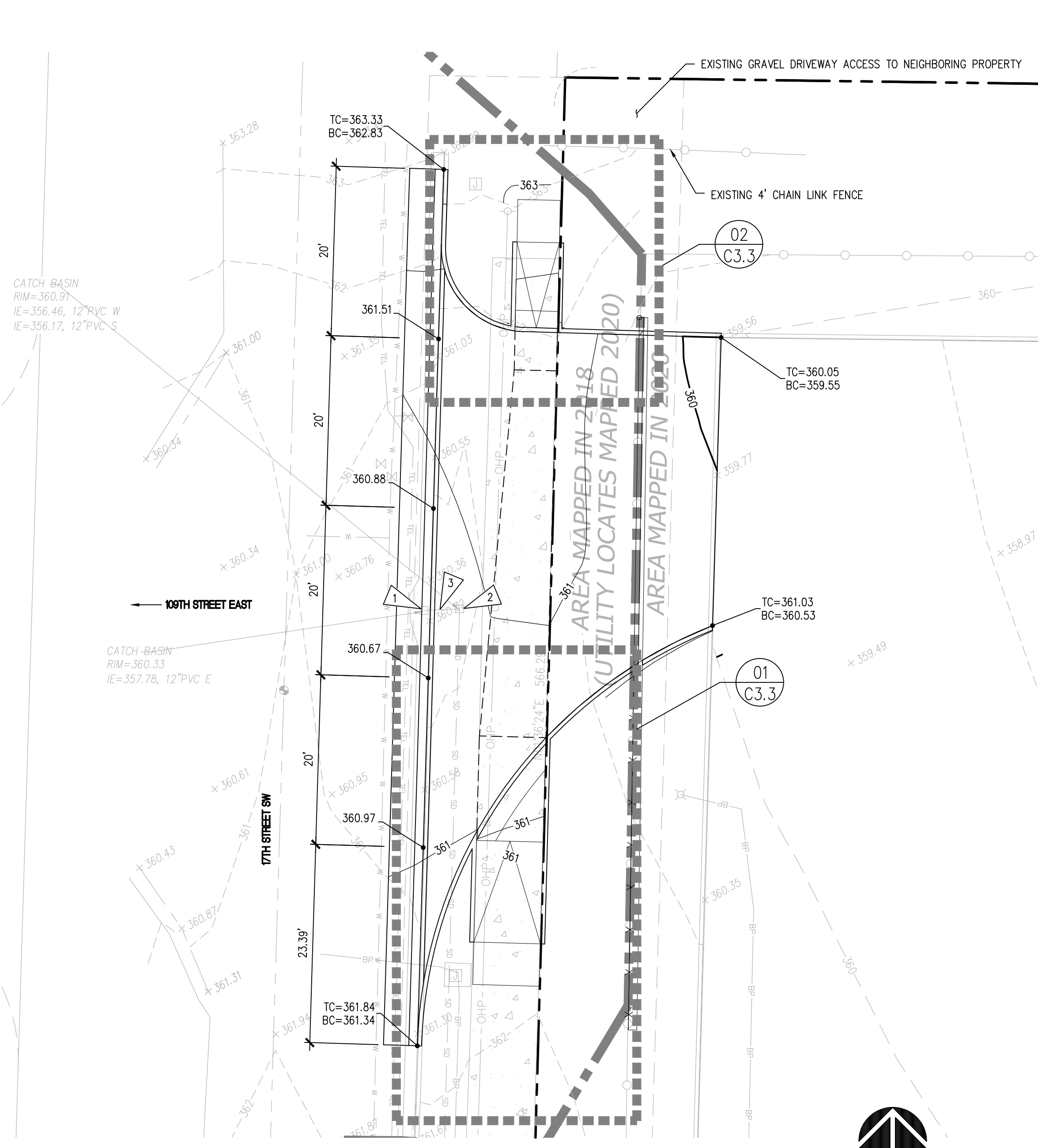
LAND SURVEYING • MAPPING • CONSTRUCTION LAYOUT

**GENERAL NOTES**

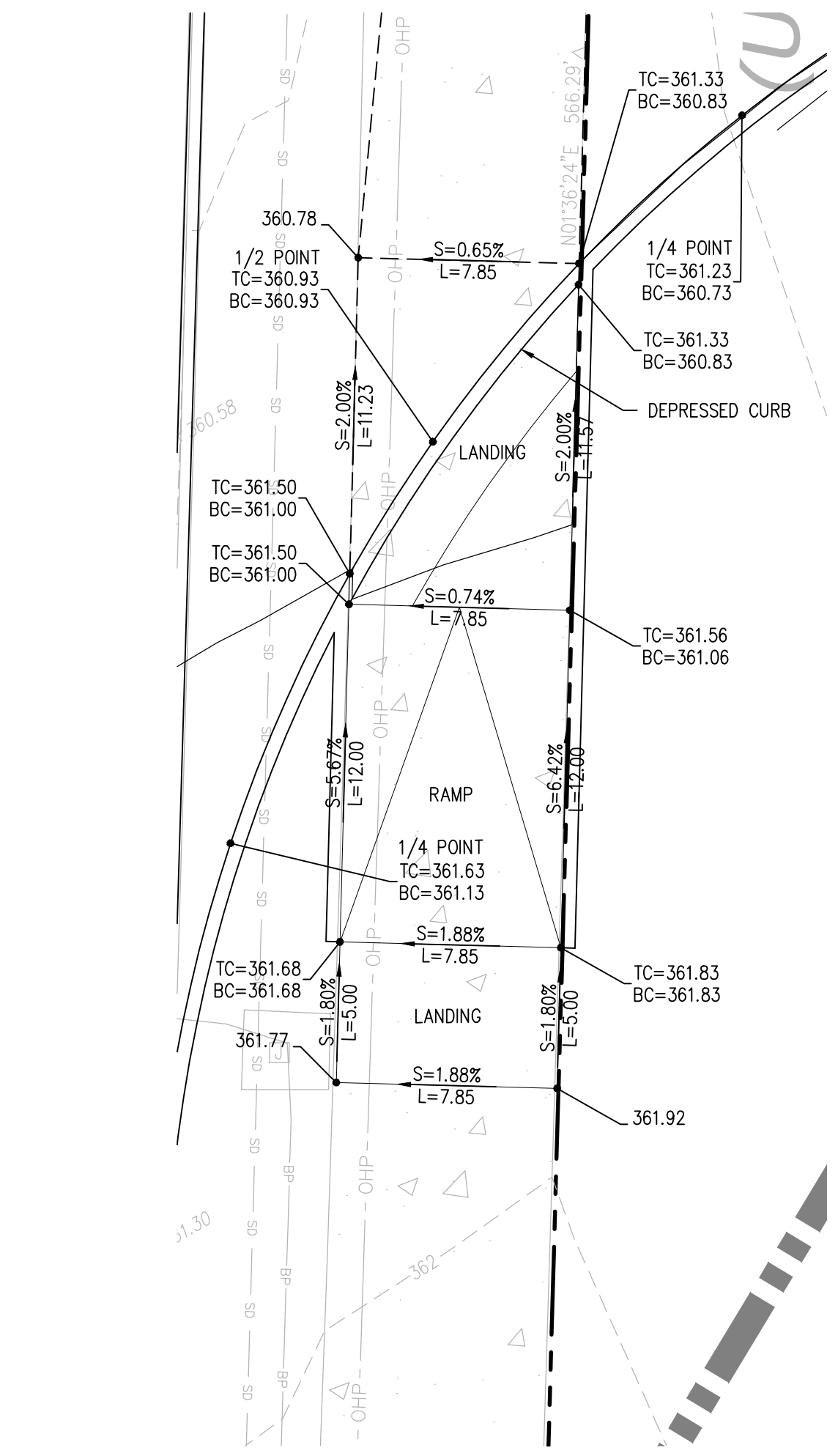
- ADJUST THE FRAMES OF EXISTING UTILITY STRUCTURES TO MATCH THE PROPOSED GRADE.
- ADDITIONAL TRIMMING AND/OR REMOVAL OF TREES BEHIND THE SIDEWALK MAY BE REQUIRED TO ACHIEVE ADEQUATE ENTERING SIGHT DISTANCE ALONG 17TH STREET SW.

**KEY NOTES**

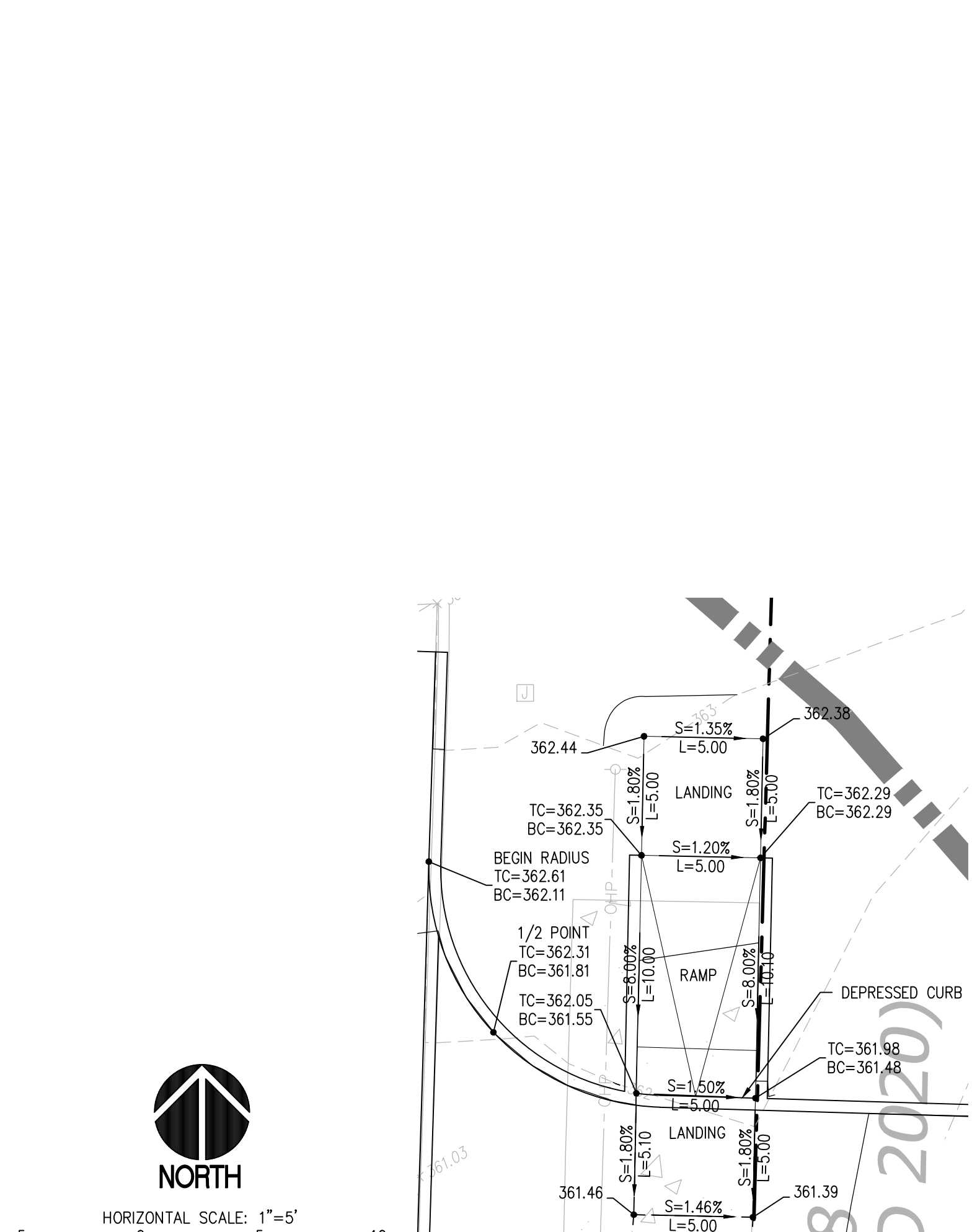
- REPLACE WITH LOCKABLE FRAME AND VANED GRATE PER DETAIL 04/C3.7. NEW RIM = 360.49
- REPLACE WITH CITY STANDARD FRAME AND SOLID COVER PER DETAIL 02/C5.3. NEW RIM = 360.62
- REPLACE EXISTING 12" PVC PIPE WITH NEW 12" DI PIPE. MATCH EXISTING PIPE SLOPE AND ELEVATIONS.



**GRADING AND DRAINAGE PLAN**  
SCALE: 1"=10'



**01 ADA RAMP ENLARGEMENT**  
SCALE: 1"=5'



**02 ADA RAMP ENLARGEMENT**  
SCALE: 1"=5'

**RECORD DRAWING**  
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APPROVED  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

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**811 Call 811**  
two business days before you dig

**BCRA**

1709 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS:

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04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: GRADING AND DRAINAGE PLAN

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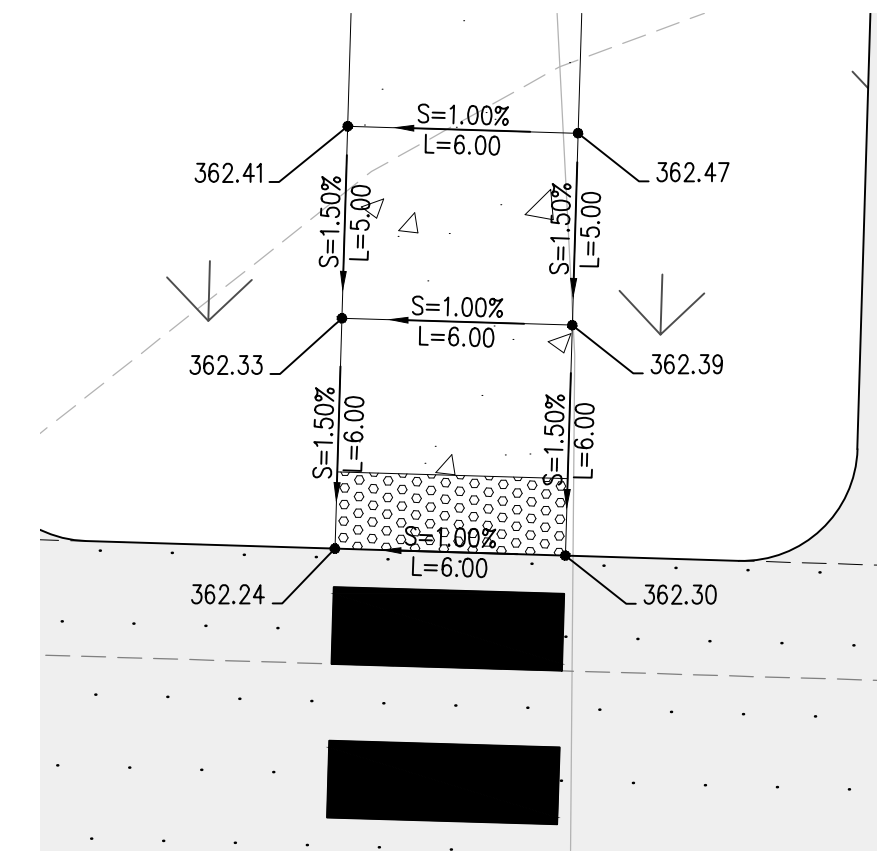
Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**

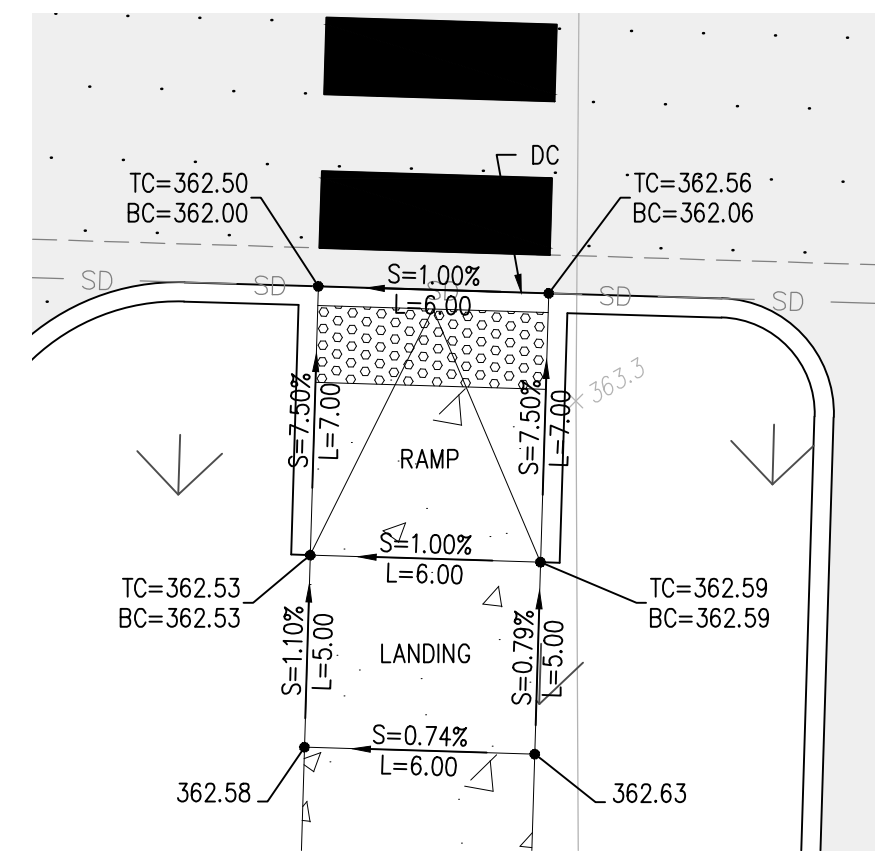
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SHEET: CIVIL 18 OF 32

**C3.3**  
CITY RESUBMITTAL

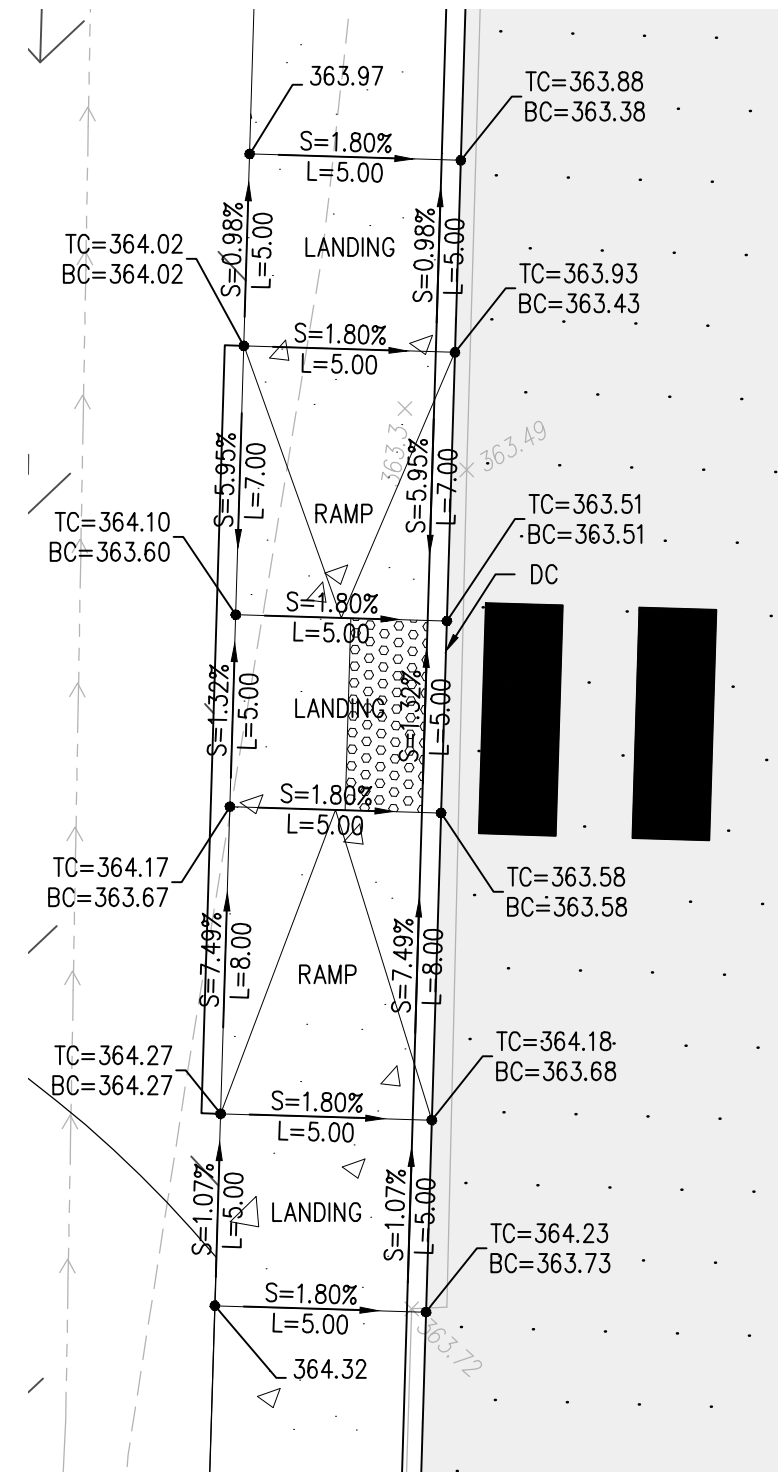
IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



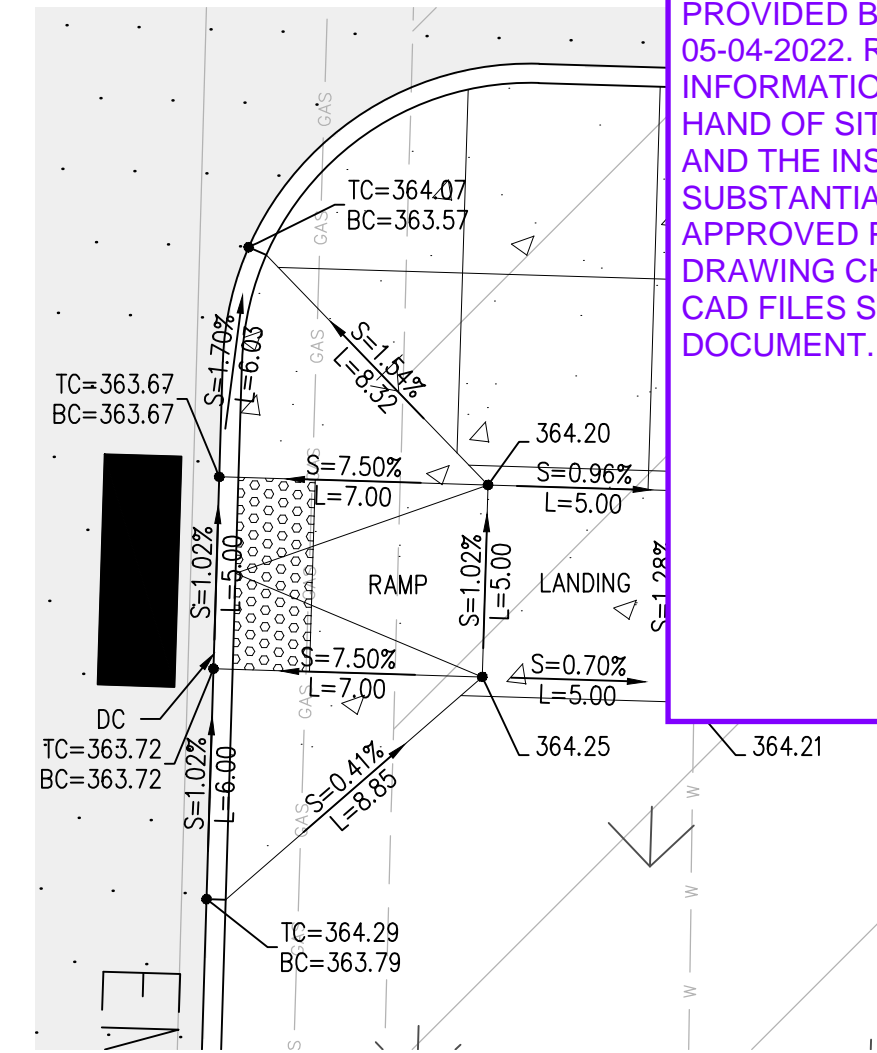
**01 CURB RAMP ENLARGEMENT**  
SCALE: 1"=10'



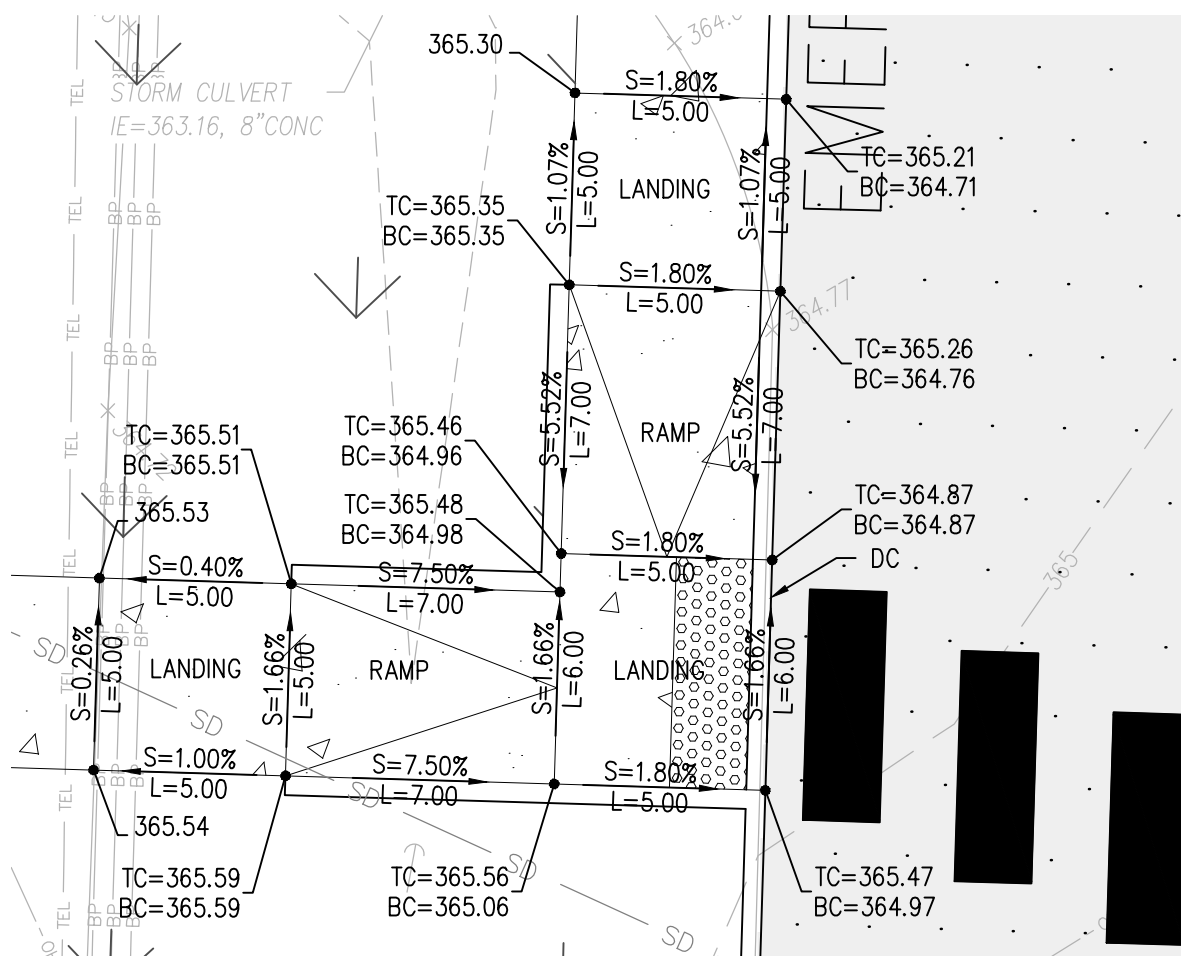
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SCALE: 1"=10'



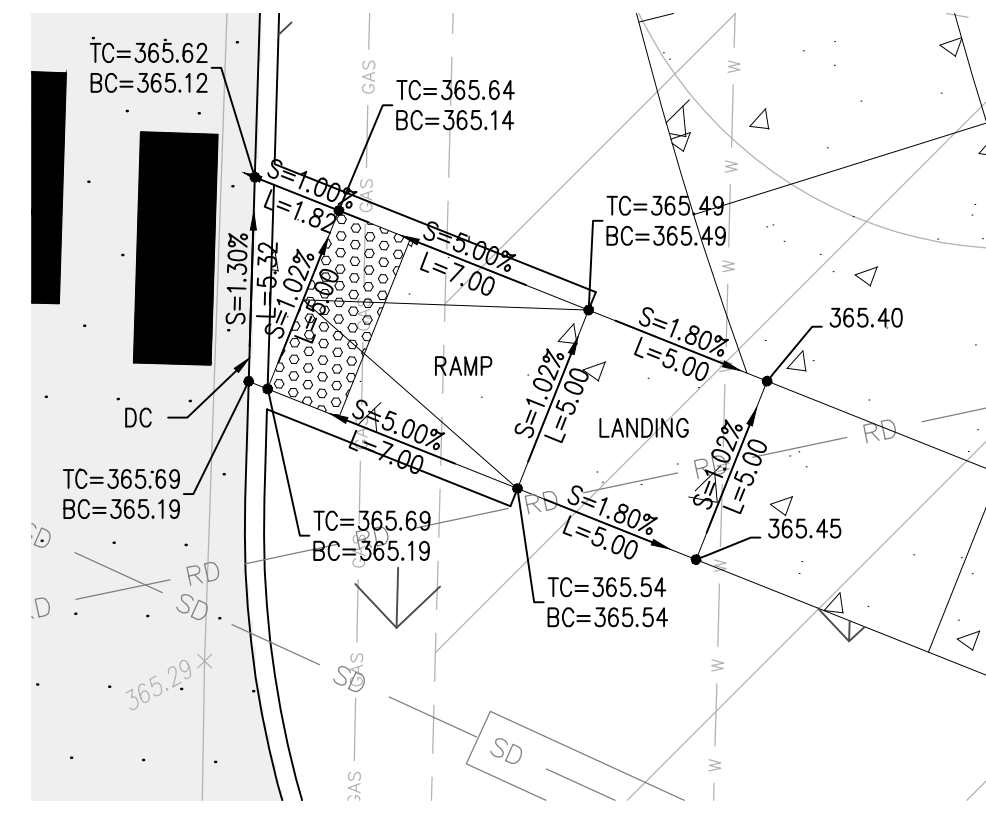
**03 CURB RAMP ENLARGEMENT**  
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SCALE: 1"=10'



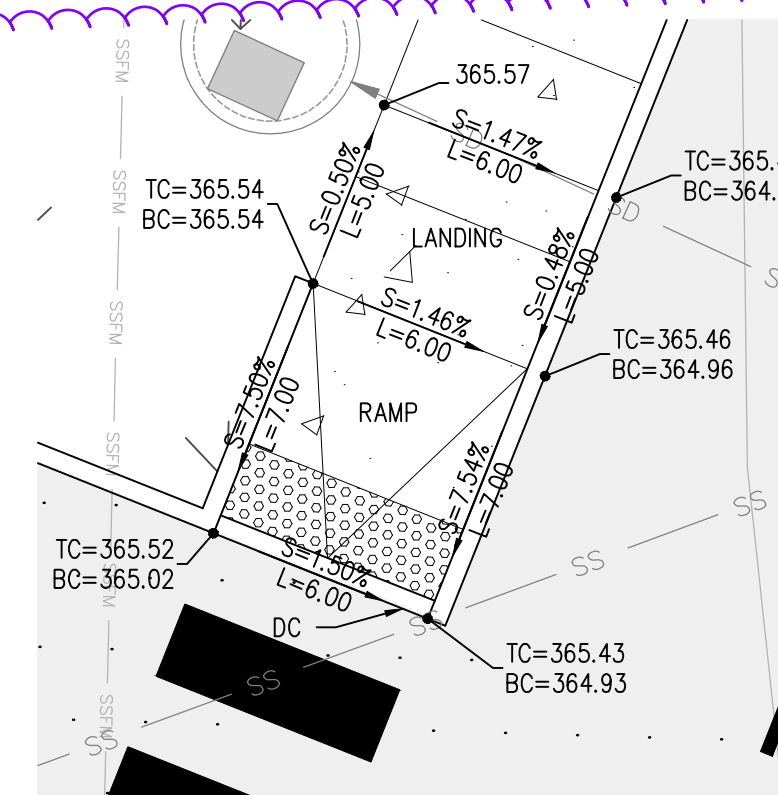
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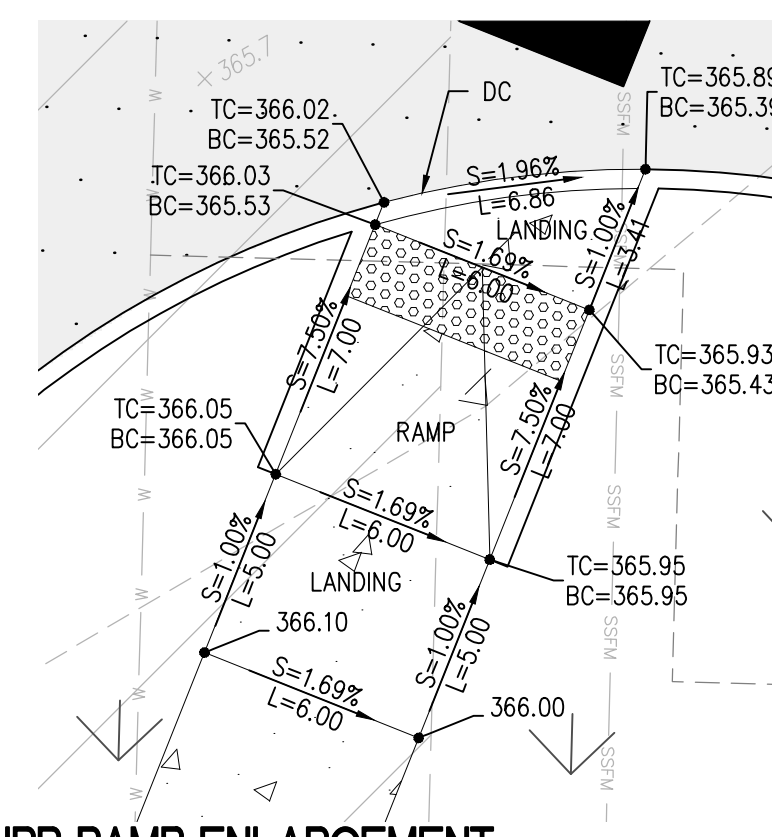
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TYPE: COMBINATION  
SCALE: 1"=10'



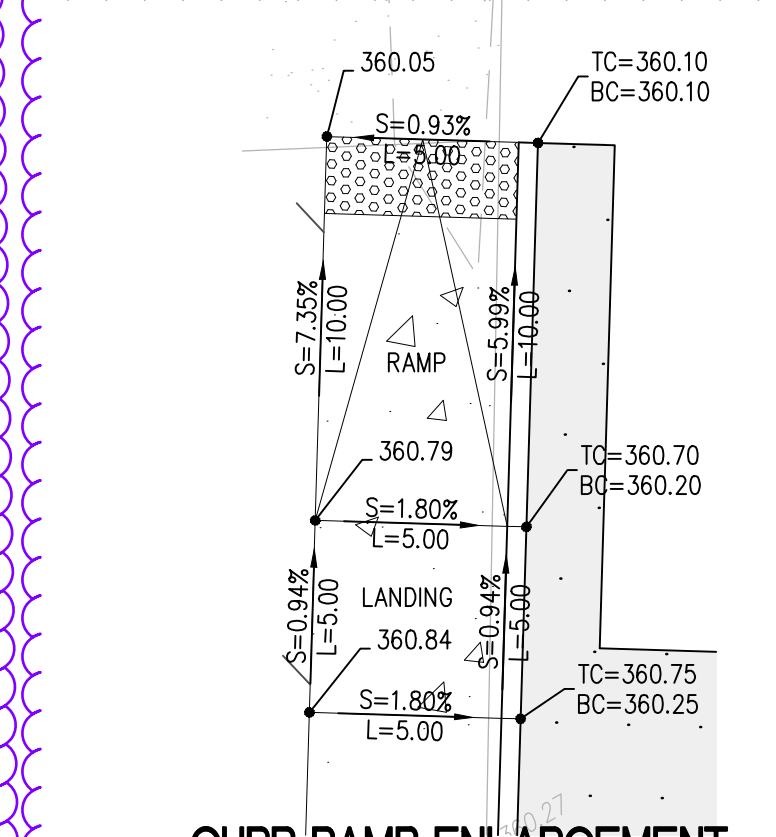
**06 CURB RAMP ENLARGEMENT**  
TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



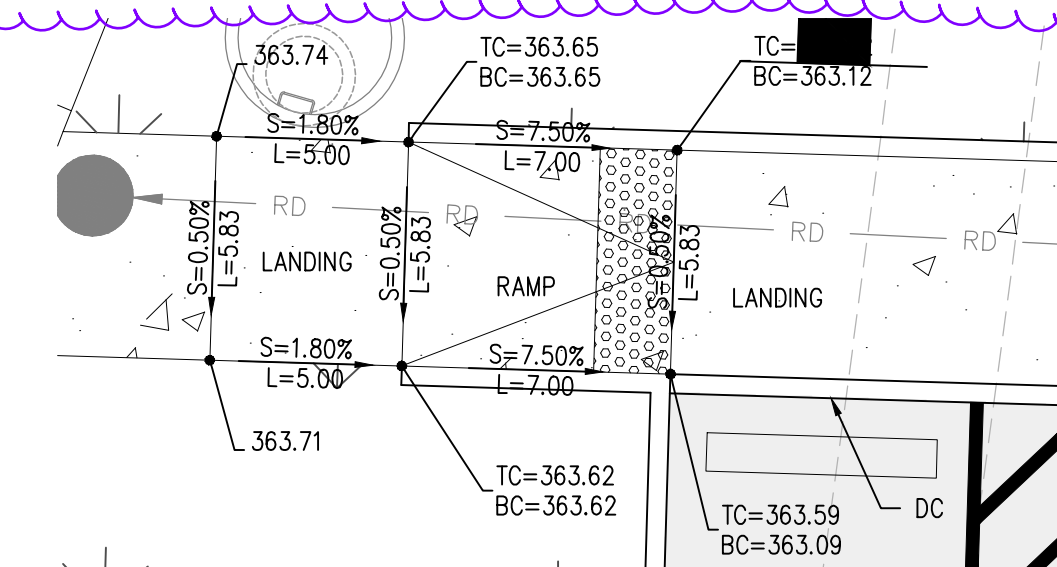
**07 CURB RAMP ENLARGEMENT**  
TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



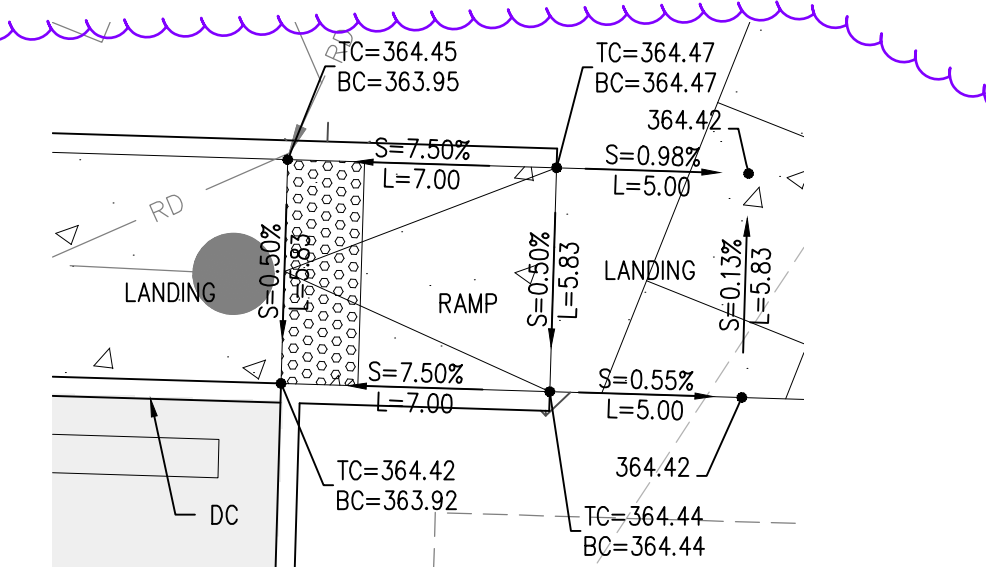
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TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



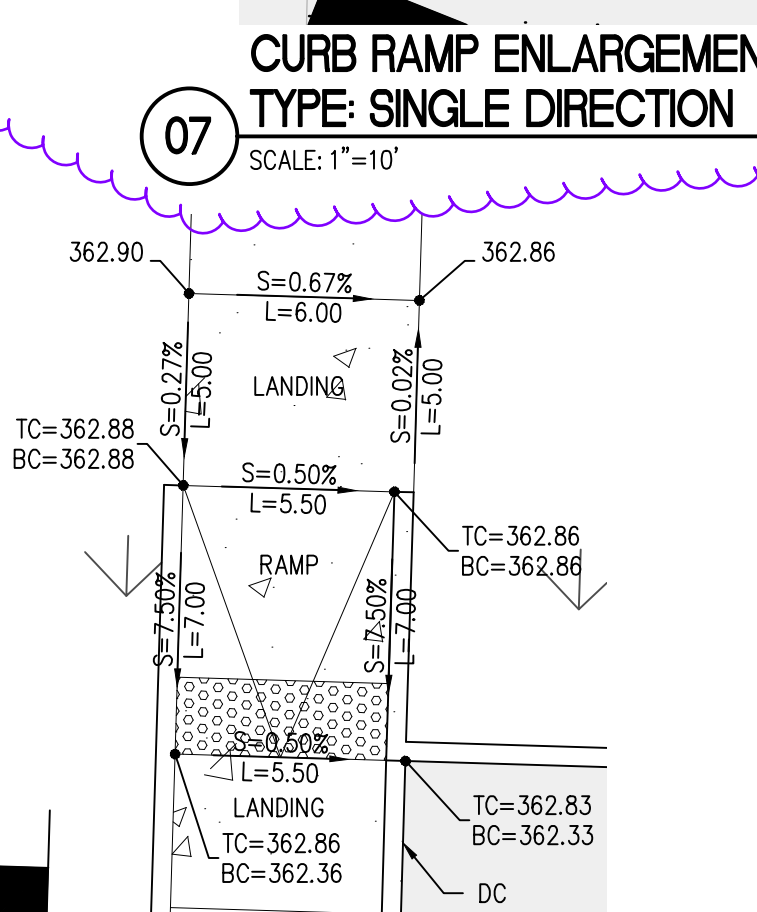
**09 CURB RAMP ENLARGEMENT**  
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SCALE: 1"=10'



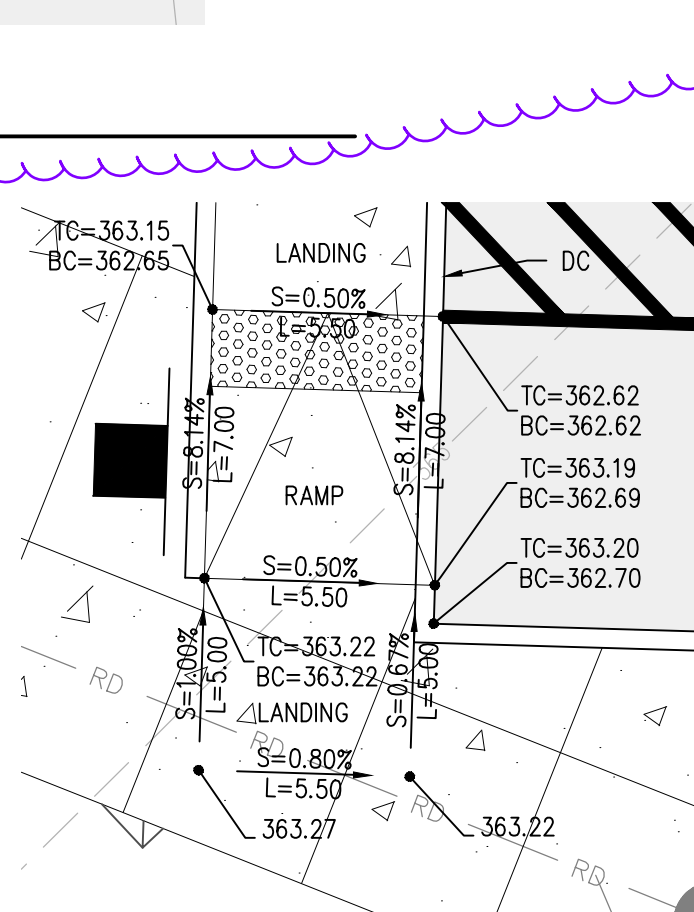
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SCALE: 1"=10'



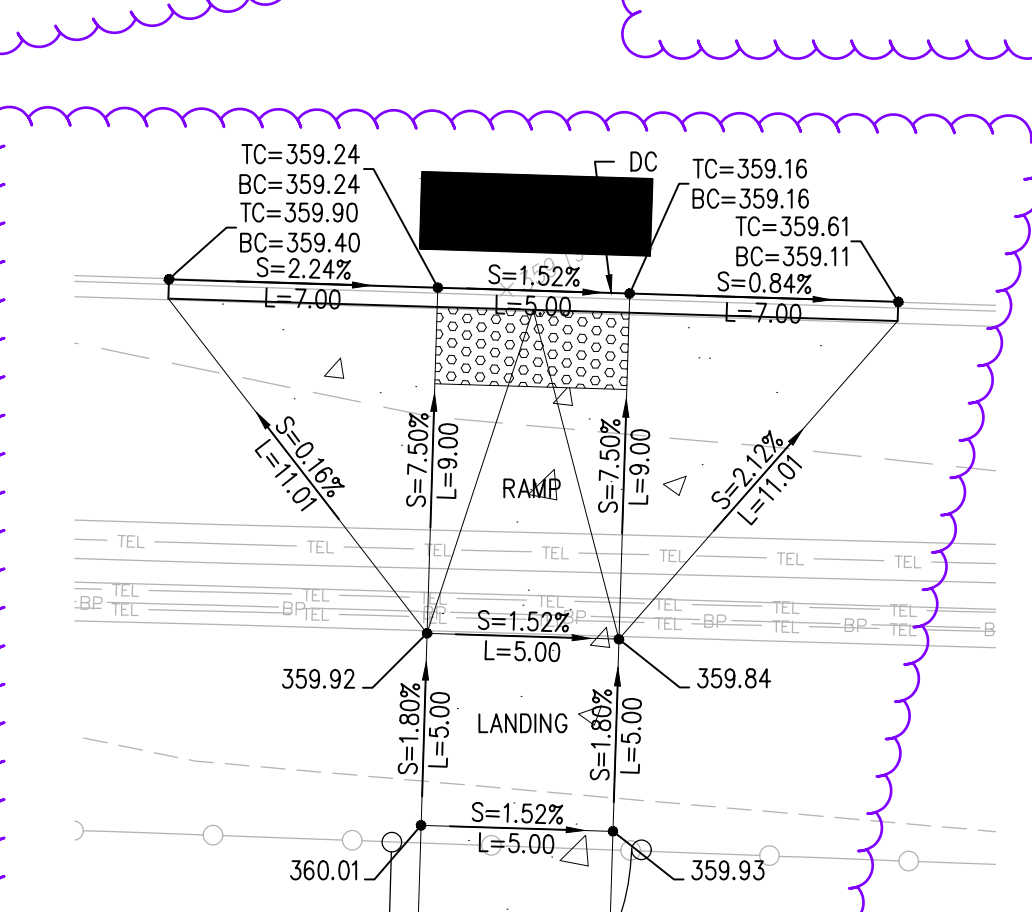
**11 CURB RAMP ENLARGEMENT**  
TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



**12 CURB RAMP ENLARGEMENT**  
TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



**13 CURB RAMP ENLARGEMENT**  
TYPE: SINGLE DIRECTION  
SCALE: 1"=10'



**14 CURB RAMP ENLARGEMENT**  
TYPE: PERPENDICULAR A  
SCALE: 1"=10'

**CURB RAMP NOTES**

- CURB RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF PUYALLUP STANDARDS AND CURRENT ADA REGULATIONS. IF THERE IS A CONFLICT BETWEEN THE CITY STANDARDS AND THE ADA REGULATIONS, THE ADA REGULATIONS SHALL TAKE PRECEDENCE OVER THE CITY'S REQUIREMENTS. SEE DETAIL 02/C3.8.

DC = DEPRESSED CURB

RD  
ADD RAMPS 15 & 16 PER PCR 002

RD  
ADD RAMP 17

**RECORD DRAWING**  
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APPROVED  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

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PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
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PUYALLUP, WA 98373

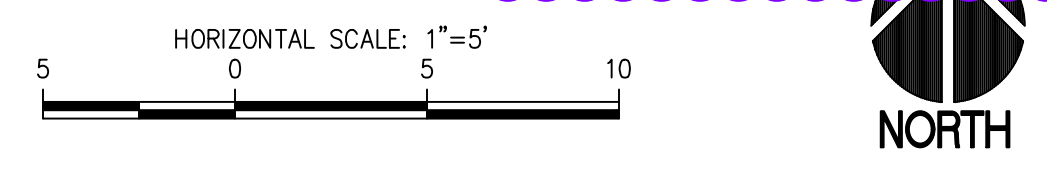
REVISIONS:

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: CURB RAMP ENLARGEMENTS

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SHEET: CIVIL 19 OF 32

**C3.4**  
CITY RESUBMITTAL

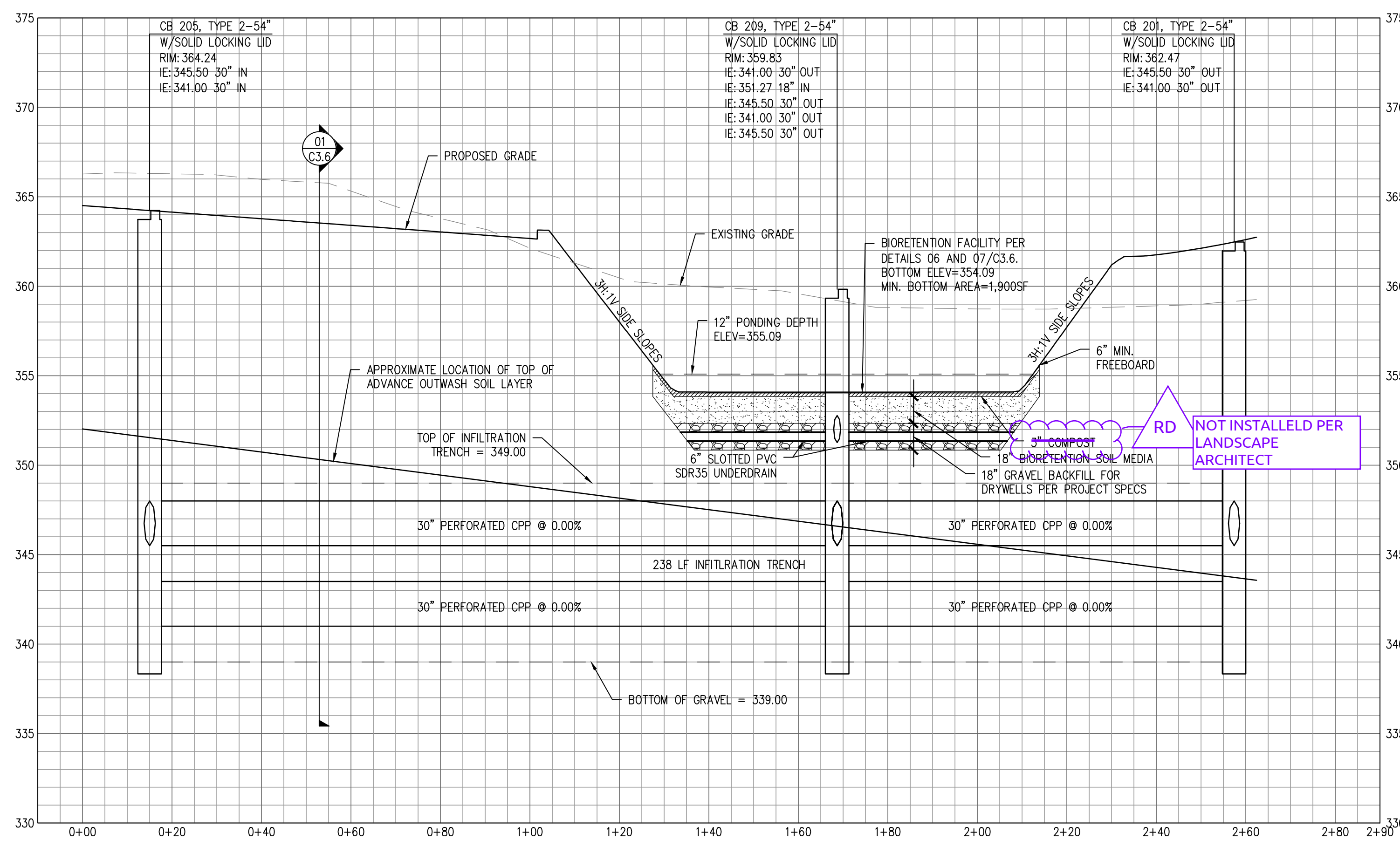


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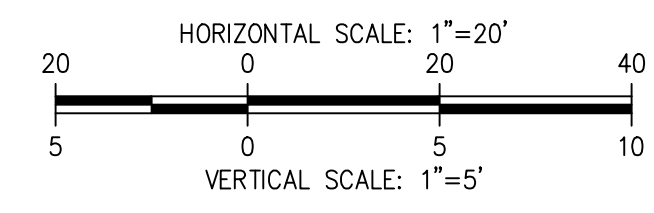
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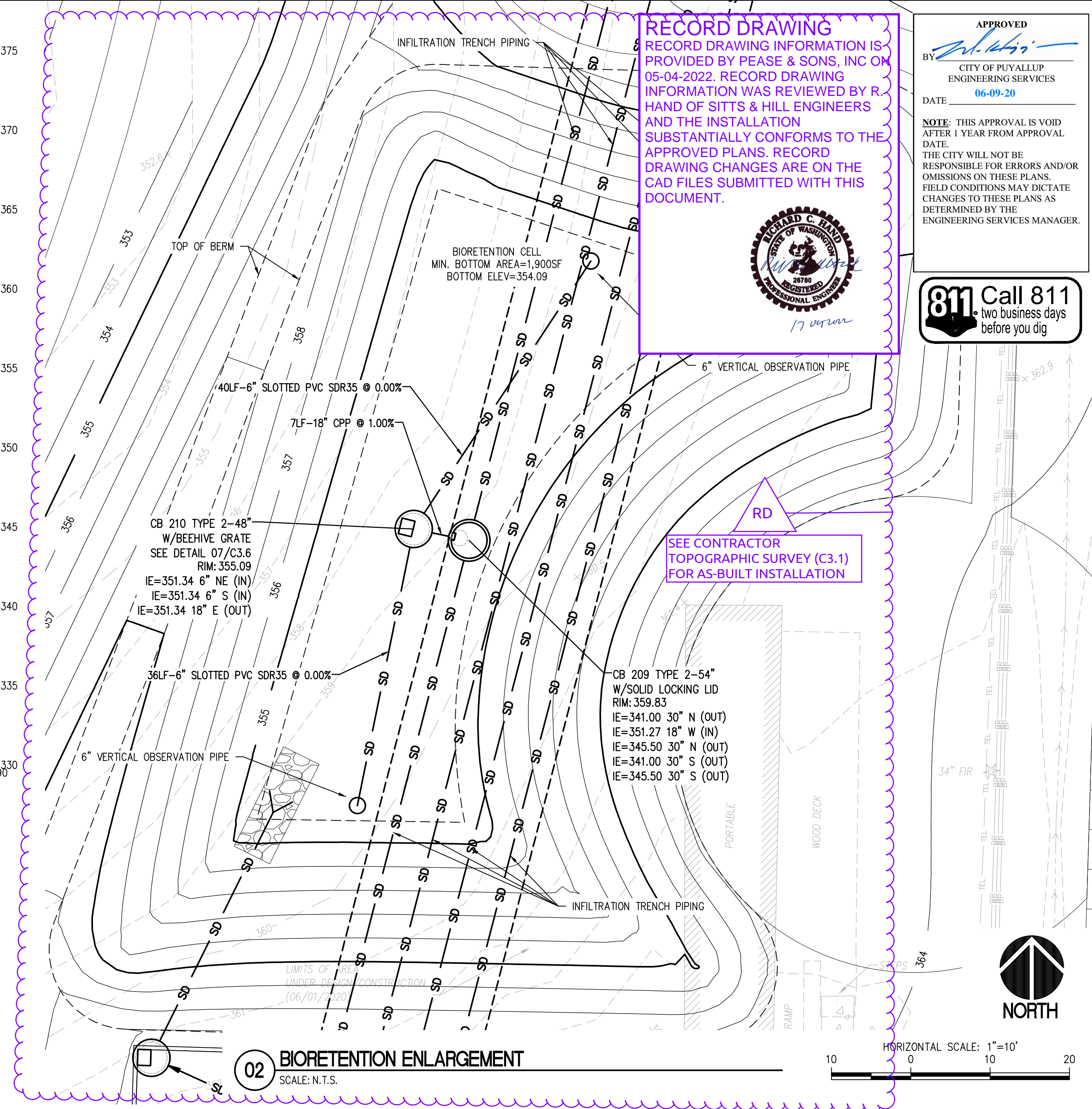
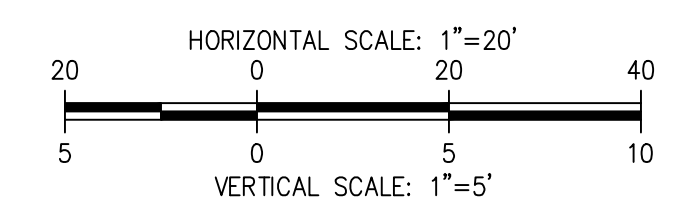


**01 INFILTRATION TRENCH PROFILE**  
SCALE: H: 1"=20' V: 1"=5'

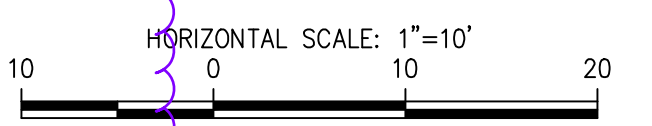


**EARTHWORK SECTION KEY NOTES**

- |   |  |   |   |
|---|--|---|---|
| 1 | EXISTING GRADE   | 5 | PROVIDE VAPOR RETARDER BENEATH SLAB PER ARCHITECTURAL REQUIREMENTS.   |
| 2 | EXISTING GRADE MINUS 6" STRIPPING DEPTH  | 6 | CAPILLARY BREAK PER ARCHITECTURAL REQUIREMENTS.   |
| 3 | SLAB, FOOTINGS AND STEM WALLS PER STRUCTURAL   | 7 | PROPOSED FINISH GRADE, SURFACING PER PLAN.  |
| 4 | CONTRACT FOOTING OVEREXCAVATION: OVEREXCAVATE A MINIMUM OF 18" BELOW BASE OF FOOTINGS. EXTEND THE EXCAVATION LATERALLY BEYOND THE FOOTING EDGE A DISTANCE EQUAL TO THE OVEREXCAVATION DEPTH. EXPOSED SUBGRADE SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER FOR SUITABILITY. IF SUITABLE, THE SOIL SUBGRADE SHALL BE COVERED WITH A SEPARATION GEOTEXTILE (MIRAFI 500X OR APPROVED EQUAL) AND BACKFILLED. IF SUBGRADE IS NOT SUITABLE, THE CONTRACTOR SHALL OBTAIN AUTHORIZED OVEREXCAVATION APPROVAL TO EXCAVATE BEYOND CONTRACT LINES AND GRADES WITH GEOTECHNICAL SUPERVISION. UPON GEOTECHNICAL ENGINEER APPROVAL, THE AUTHORIZED OVEREXCAVATION SHALL BE BACKFILLED WITH CRUSHED GRAVEL PER GEOTECHNICAL REQUIREMENTS AND REIMBURSED IN ACCORDANCE WITH CONTRACT CHANGE ORDER PROVISIONS. | 8 | STRUCTURAL FILL TO BE PLACED BENEATH BUILDING AND PAVEMENT AREAS IN HORIZONTAL LIFTS NOT TO EXCEED 8 INCHES IN LOOSE THICKNESS. EACH LIFT SHALL BE COMPACTED TO AT LEAST 95% BASED ON THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. |



**02 BIORETENTION ENLARGEMENT**  
SCALE: N.T.S.



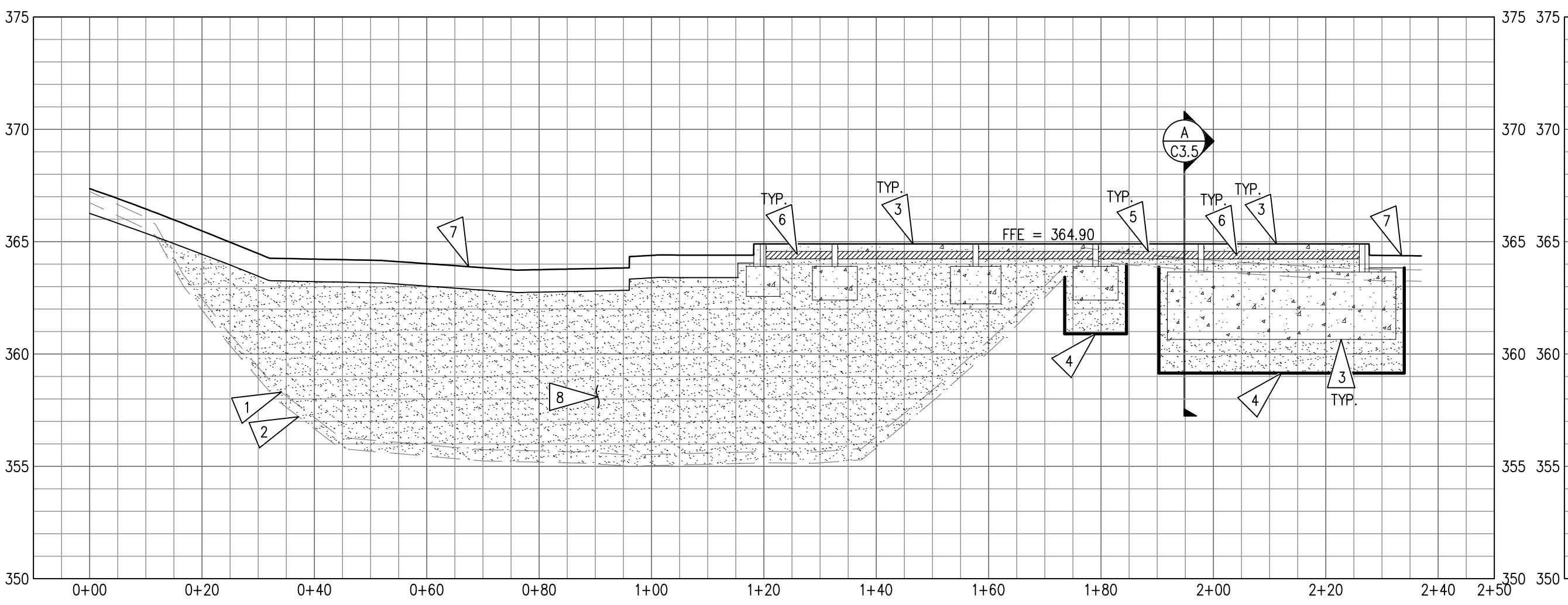
**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.



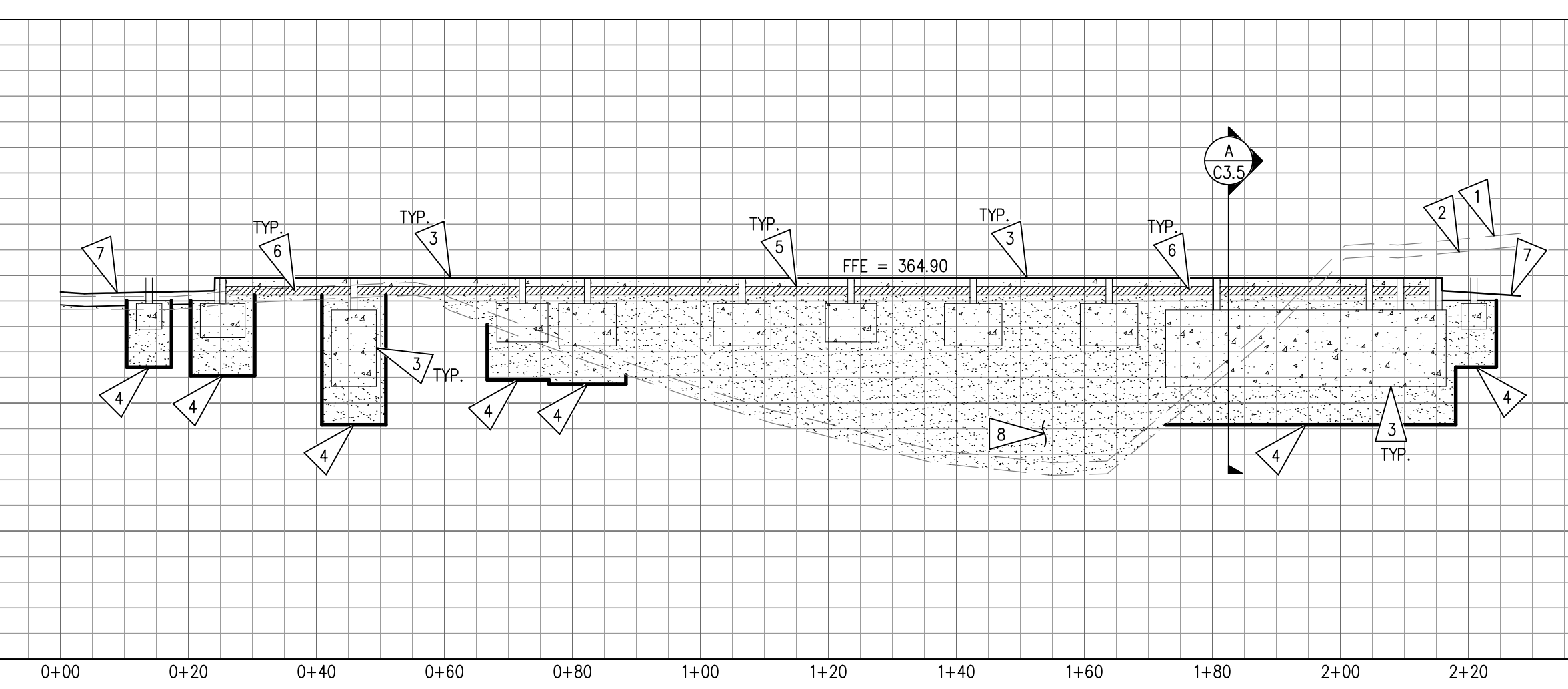
APPROVED  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig

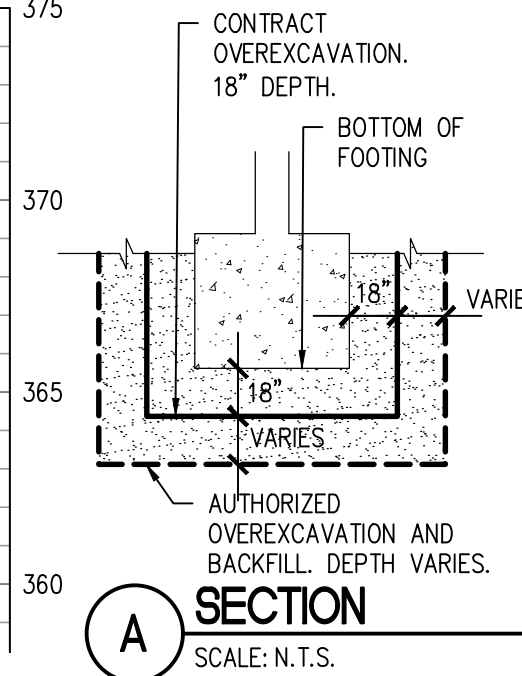
RD  
SEE CONTRACTOR TOPOGRAPHIC SURVEY (C3.1) FOR AS-BUILT INSTALLATION



**03 EARTHWORK SECTION**  
SCALE: H: 1"=20' V: 1"=5'



**04 EARTHWORK SECTION**  
SCALE: H: 1"=20' V: 1"=5'



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4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

**BCRA**  
PROJECT: FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

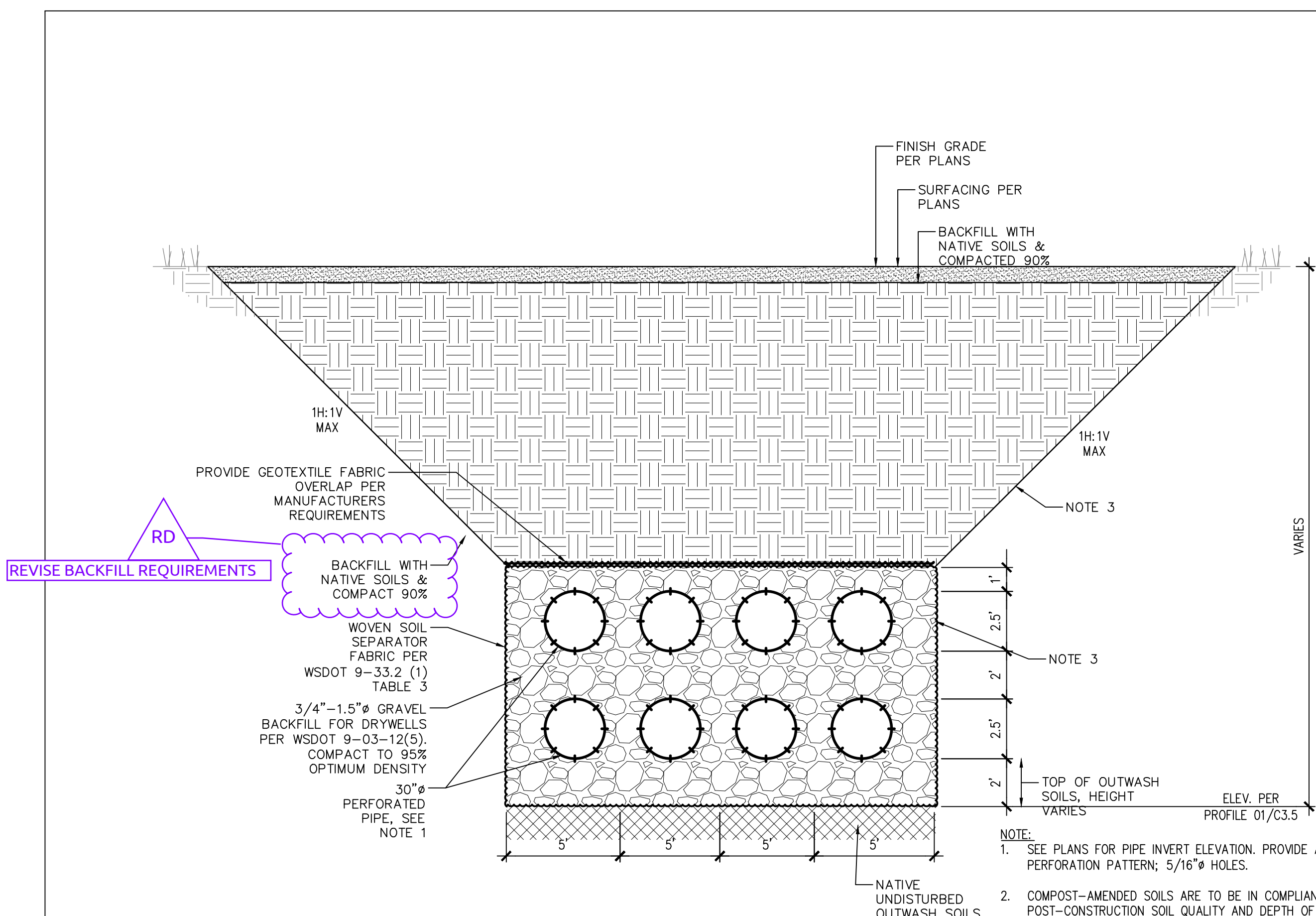
REVISIONS:  
03-16-2020 ADDENDUM 2  
03-19-2020 ADDENDUM 3  
03-31-2020 CITY RESUBMITTAL  
04-03-2020 CONFORMED SET  
06-03-2020 CITY RESUBMITTAL  
10-17-2022 RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SITE SECTIONS AND ENLARGEMENTS

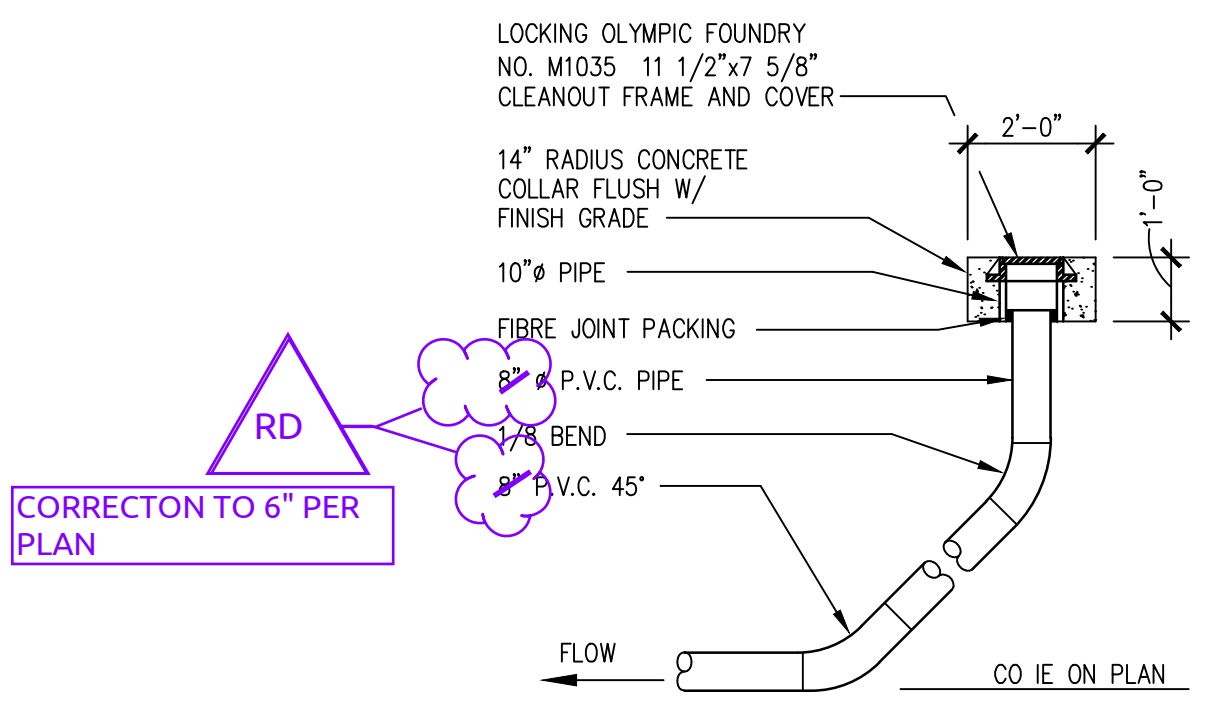
**BCRA**  
CIVIL 20 OF 32

**C3.5**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

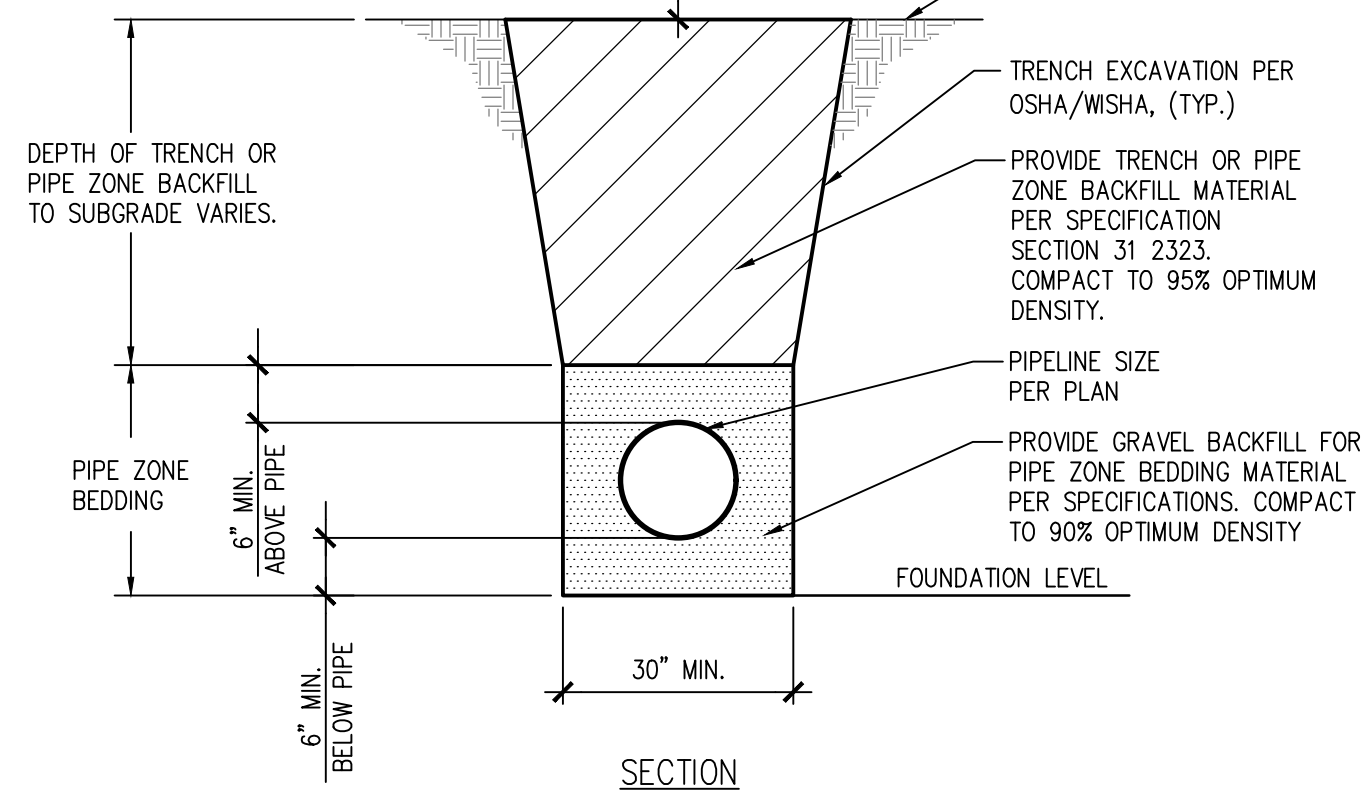


**01 INFILTRATION TRENCH SECTION**  
SCALE: N.T.S.



**02 CLEAN-OUT DETAIL**  
SCALE: N.T.S.

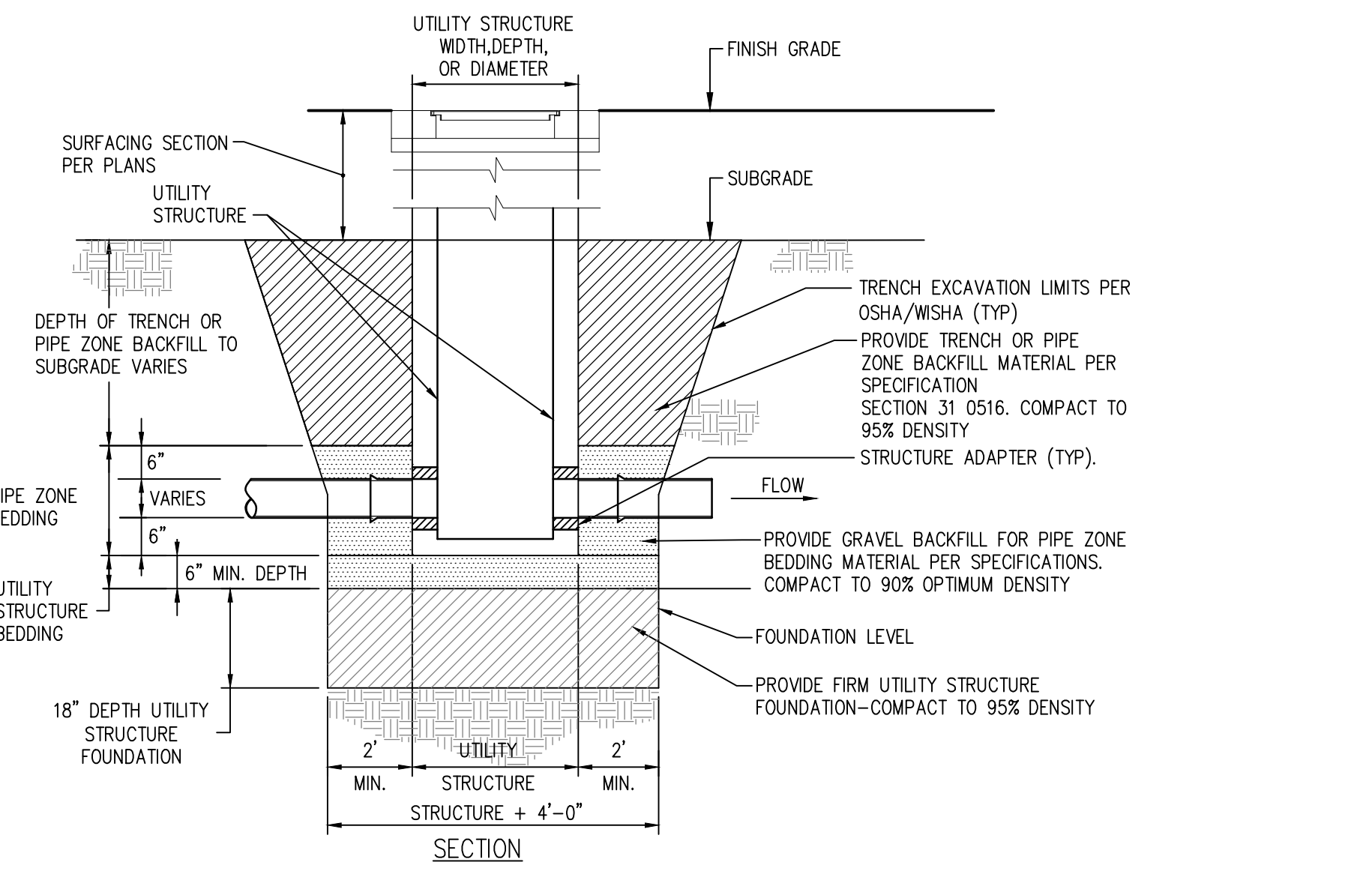
RD  
CORRECTON TO 6" PER PLAN



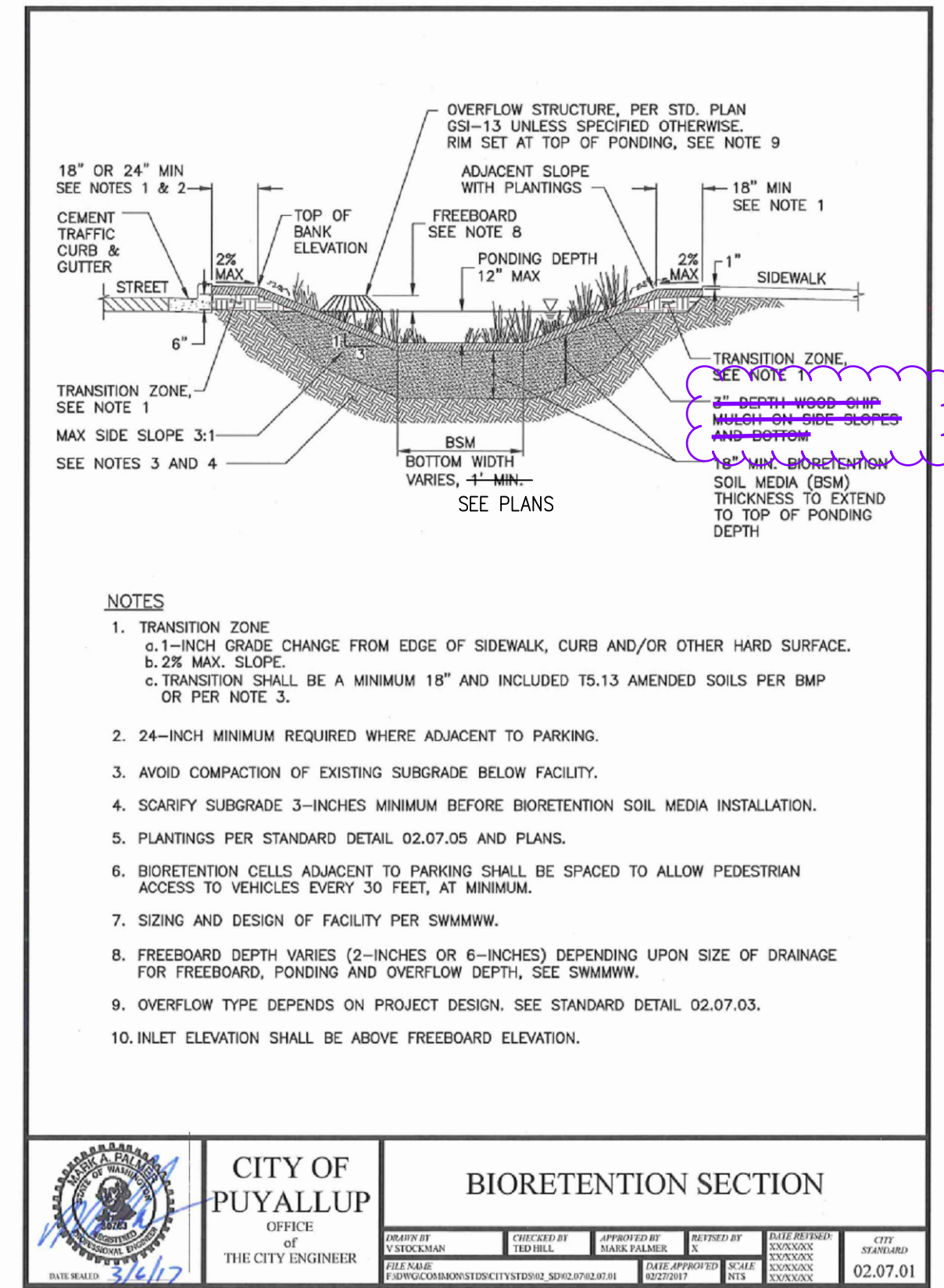
**04 TYPICAL SD UTILITY TRENCH EXCAVATION, BEDDING AND BACKFILL DETAIL**  
SCALE: N.T.S.

**03 CONCRETE COLLAR DETAIL**  
SCALE: N.T.S.

RD  
REVISE BACKFILL REQUIREMENTS

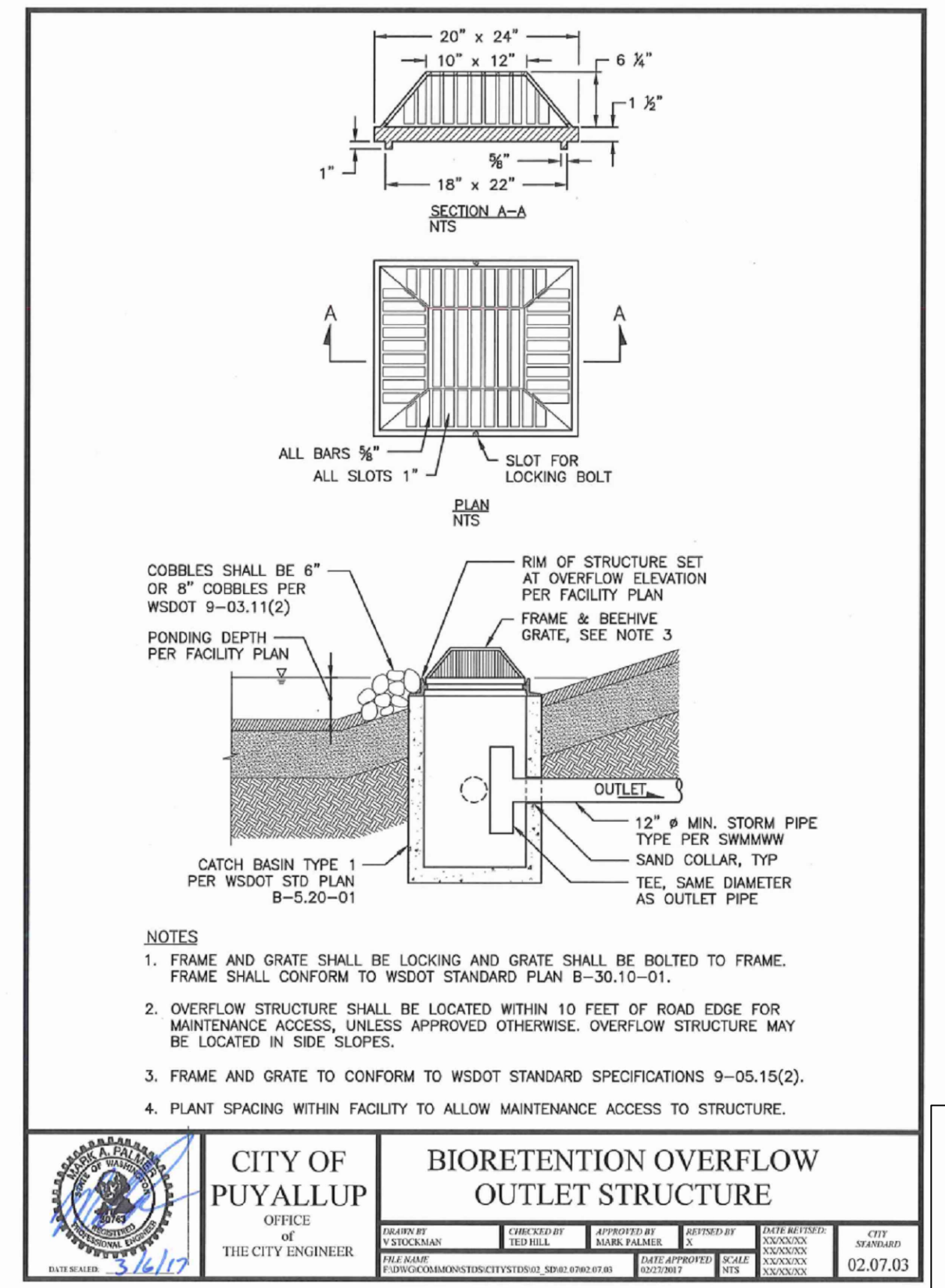


**05 TYPICAL UTILITY STRUCTURE EXCAVATION, BEDDING AND BACKFILL DETAIL**  
SCALE: N.T.S.



**06 BIORETENTION SECTION**  
SCALE: N.T.S.

RD  
NOT INSTALLED PER LANDSCAPE ARCHITECT DIRECTION



**07 BIORETENTION OVERFLOW OUTLET STRUCTURE**  
SCALE: N.T.S.

**RECORD DRAWING**  
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APPROVED  
BY: *R. Hand*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

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two business days before you dig

**BCRA**

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS:

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: GRADING AND DRAINAGE DETAILS  
SHEET: CIVIL 21 OF 32

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SHEET: CIVIL 21 OF 32

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http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**C3.6**  
CITY RESUBMITTAL

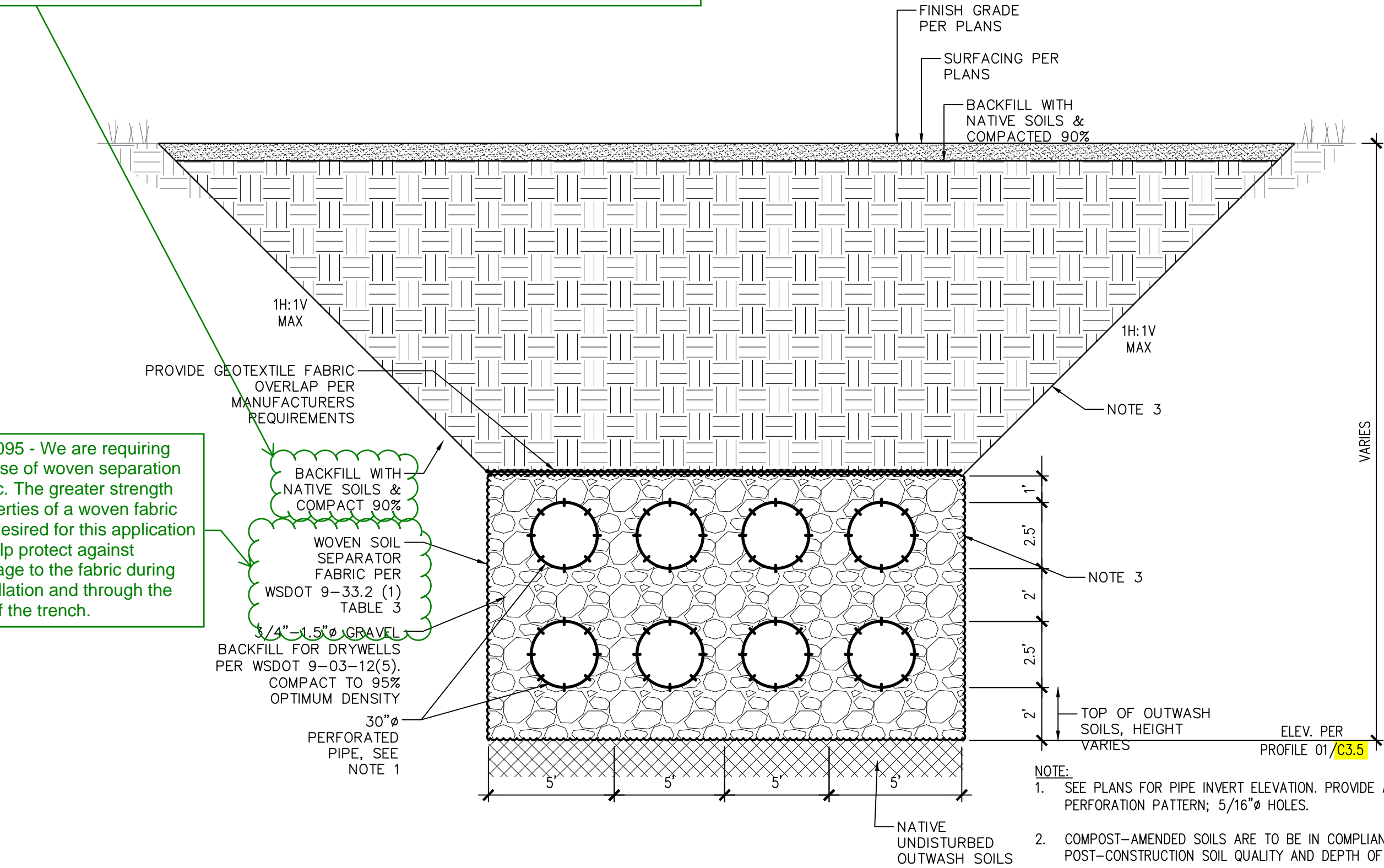
IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



RFI-105 - 1. Structural Area subgrades shall pass a proof roll test per 31 2323 3.05.C. 2. The infiltration trench is located in structural AND non-structural areas. Infiltration trench installations that are located in structural areas shall pass a proof roll test. Infiltration trench installations that are located in non-structural areas are compacted to 90% per detail 1/C3.6 and 31 2323 3.09.A.2. In response to the note that the excavated native soils are being sampled for potential re-use, we offer the following: The native soils may be re-used for gravel borrow material provided it complies with gravel borrow material specification requirements. If the material does not comply with or meet gravel borrow specifications, then we do not recommend installation of non-conforming material in required gravel borrow installations.

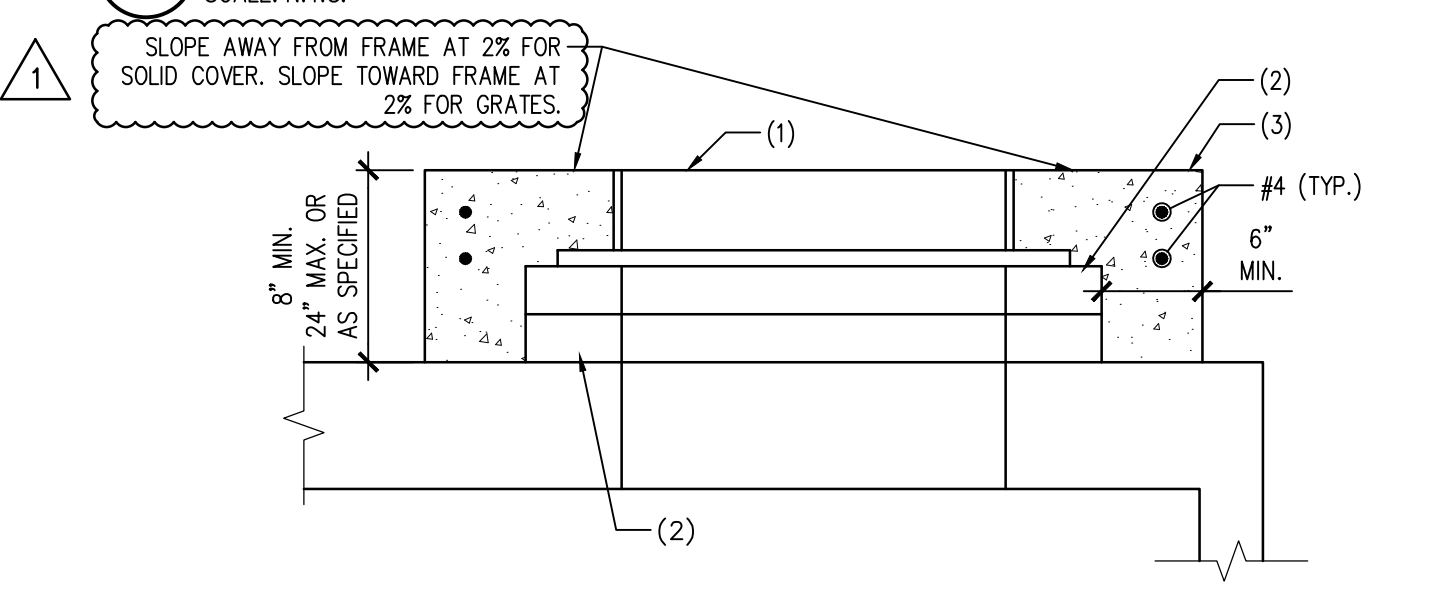
RFI-095 - We are requiring the use of woven separation fabric. The greater strength properties of a woven fabric are desired for this application to help protect against damage to the fabric during installation and through the life of the trench.

**01 INFILTRATION TRENCH SECTION**  
SCALE: N.T.S.

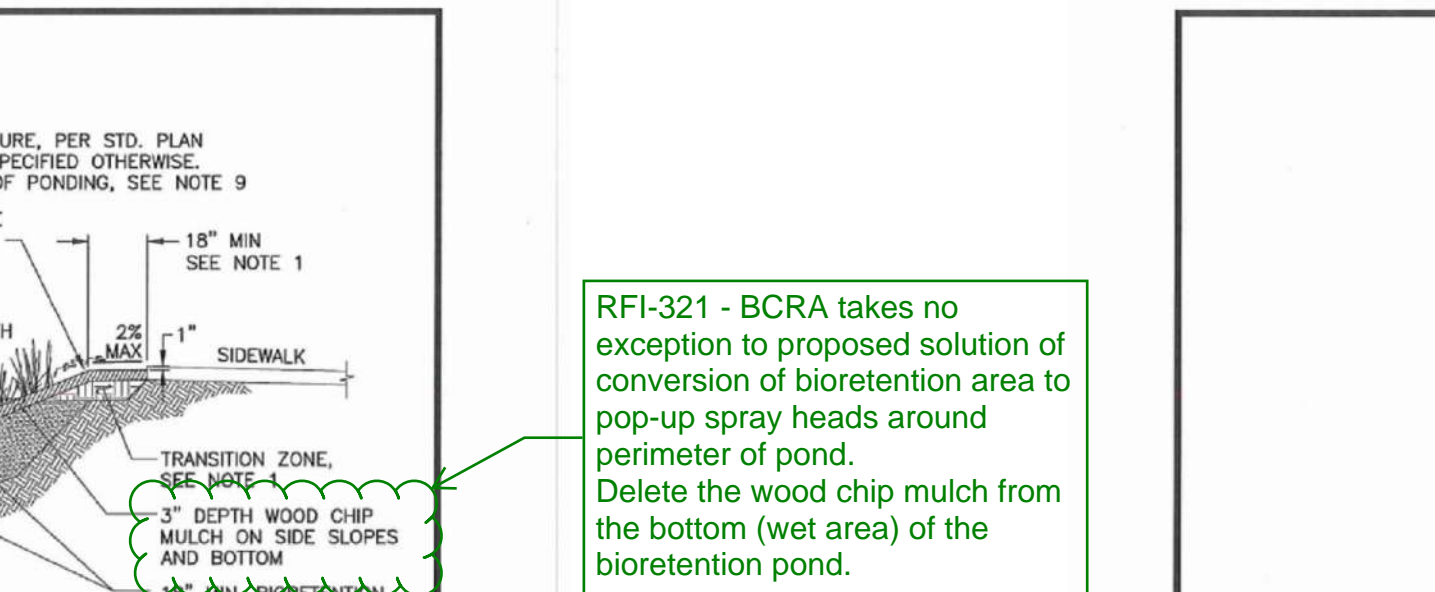


RFI-116 - 6" pipe size for roof drains and SDCO's is confirmed. Detail 2/C3.6 is in error and should indicate 6" PVC instead of 8" PVC.

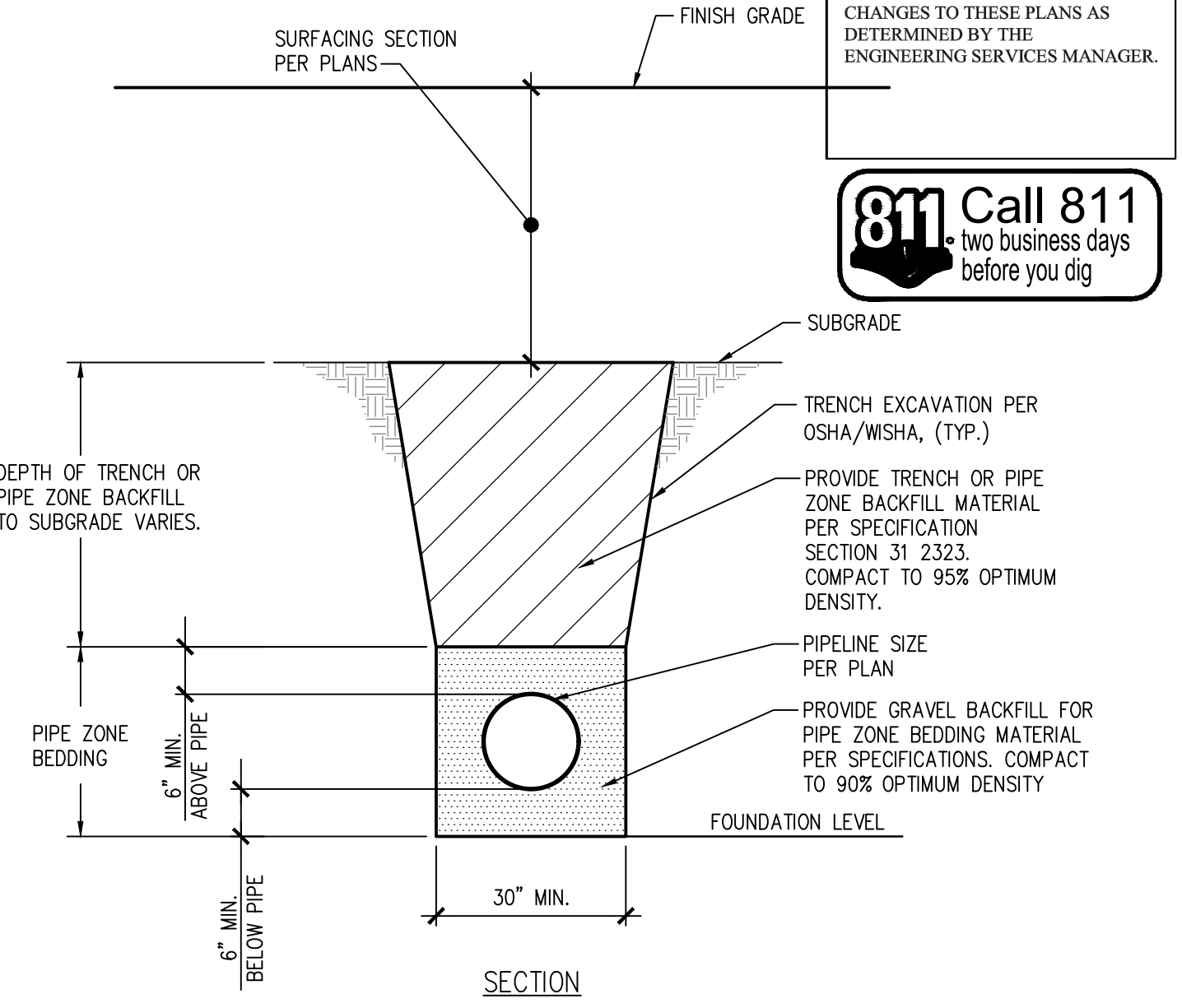
**02 CLEAN-OUT DETAIL**  
SCALE: N.T.S.



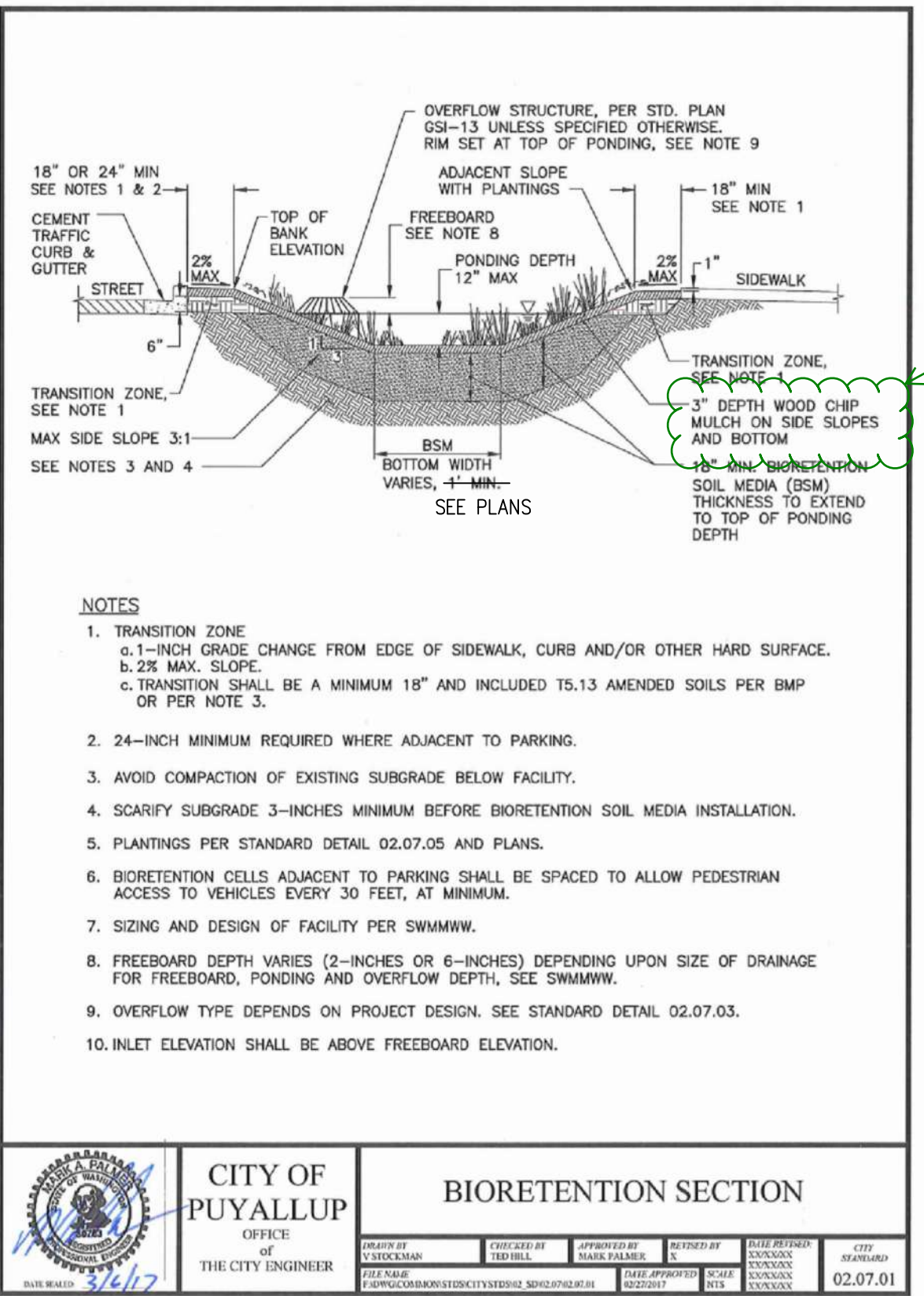
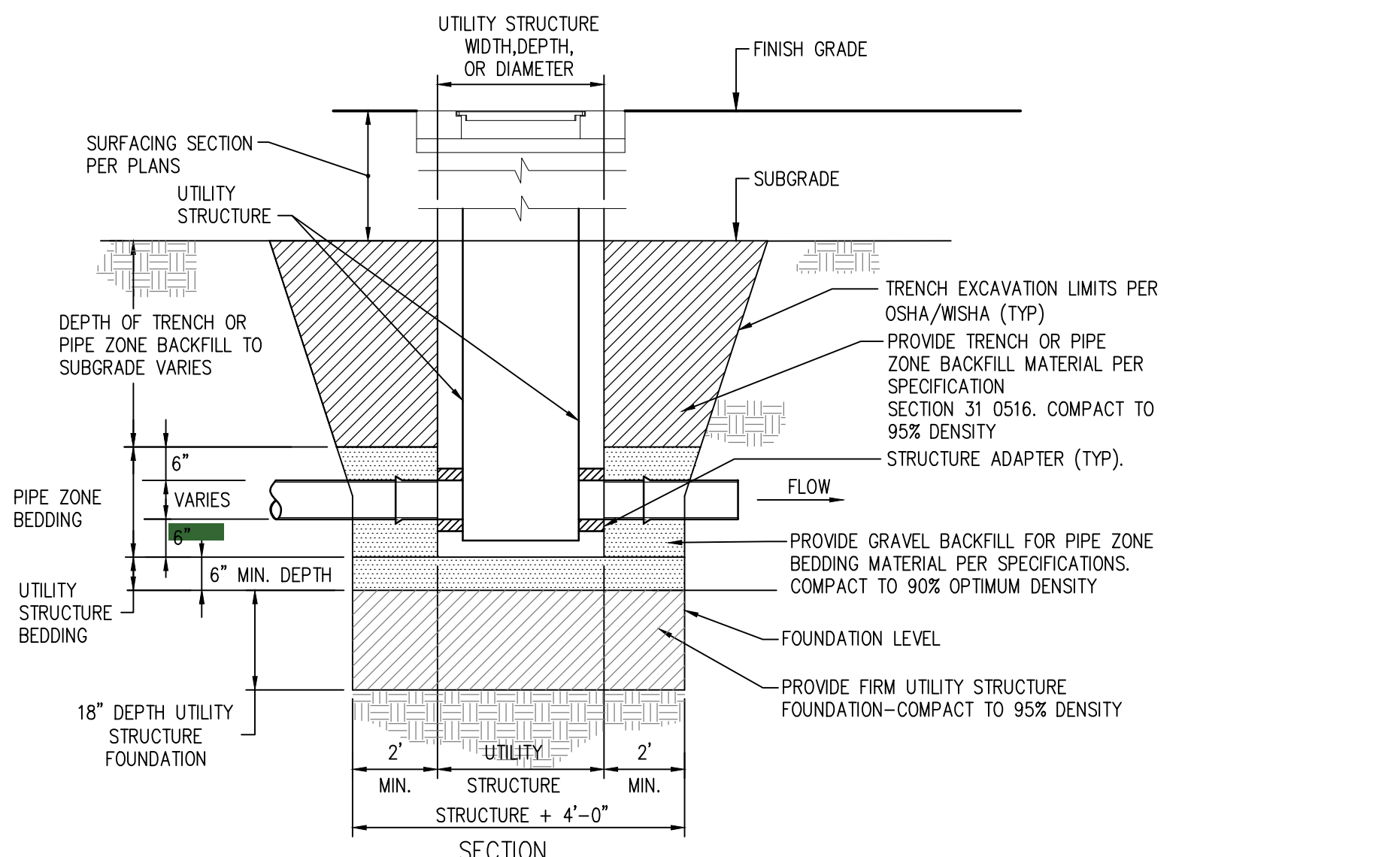
**03 CONCRETE COLLAR DETAIL**  
SCALE: N.T.S.



**04 TYPICAL SD UTILITY TRENCH EXCAVATION, BEDDING AND BACKFILL DETAIL**  
SCALE: N.T.S.

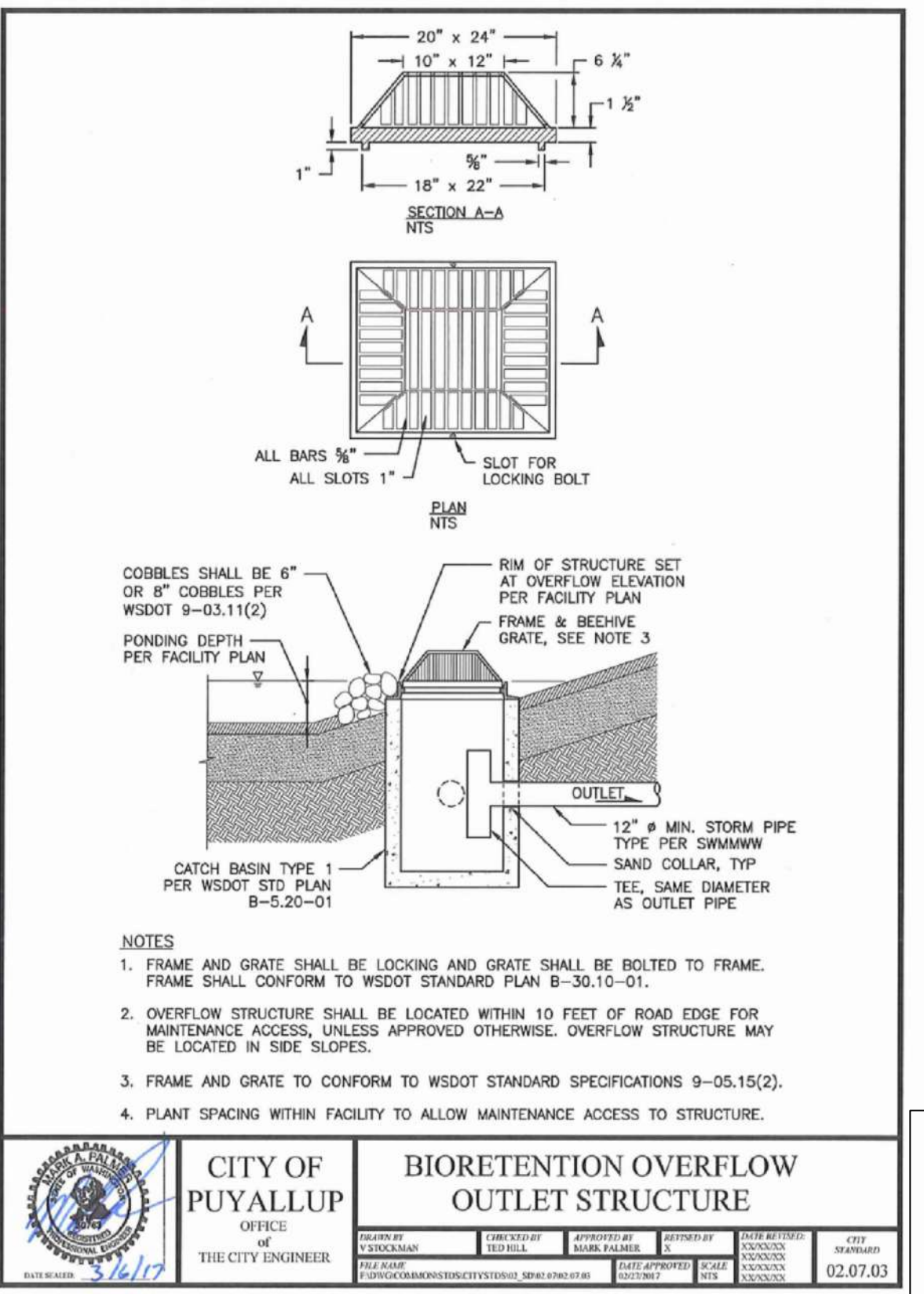


**05 TYPICAL UTILITY STRUCTURE EXCAVATION, BEDDING AND BACKFILL DETAIL**  
SCALE: N.T.S.



**06 BIORETENTION SECTION**  
SCALE: N.T.S.

RFI-321 - BCRA takes no exception to proposed solution of conversion of bioretention area to pop-up spray heads around perimeter of pond. Delete the wood chip mulch from the bottom (wet area) of the bioretention pond.



**07 BIORETENTION OVERFLOW OUTLET STRUCTURE**  
SCALE: N.T.S.

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http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**BCRA**  
REGISTERED PROFESSIONAL ENGINEER  
1750 637 0377 F 253 637 4386 WWW.BCRAENGINEERS.COM  
2109 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402

**SITTS & HILL ENGINEERS, INC.**  
REGISTERED PROFESSIONAL ENGINEER  
1750 637 0377 F 253 637 4386 WWW.SITTSANDHILL.COM  
2109 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
06-15-2020	CONFORMED SET

PROJECT: FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1507 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98473

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE:

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SHEET CIVIL 21 OF 32

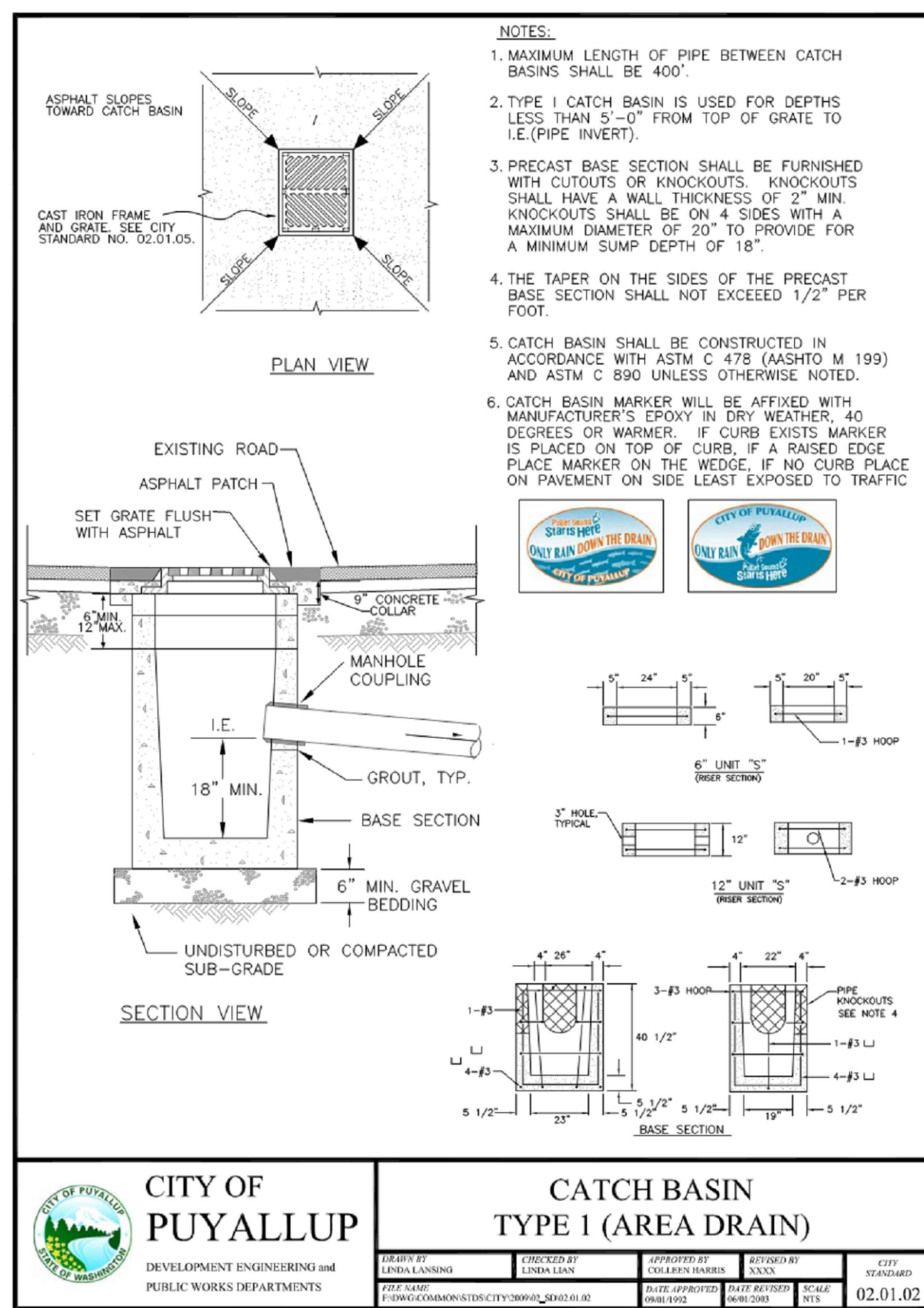
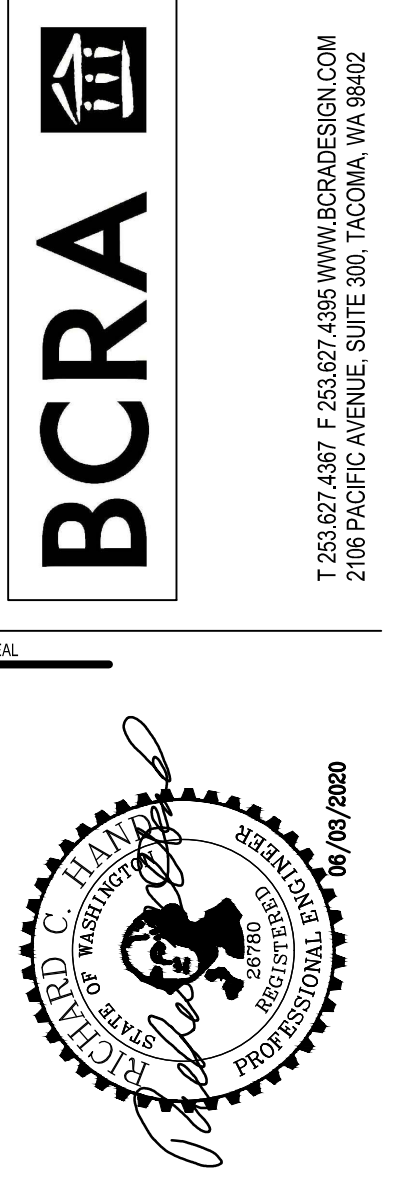
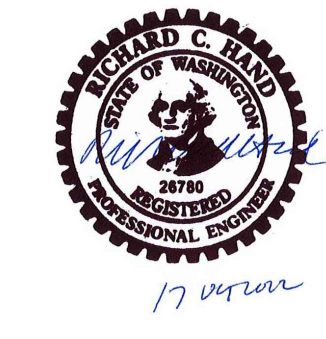
**C3.6**  
CONFORMED SET

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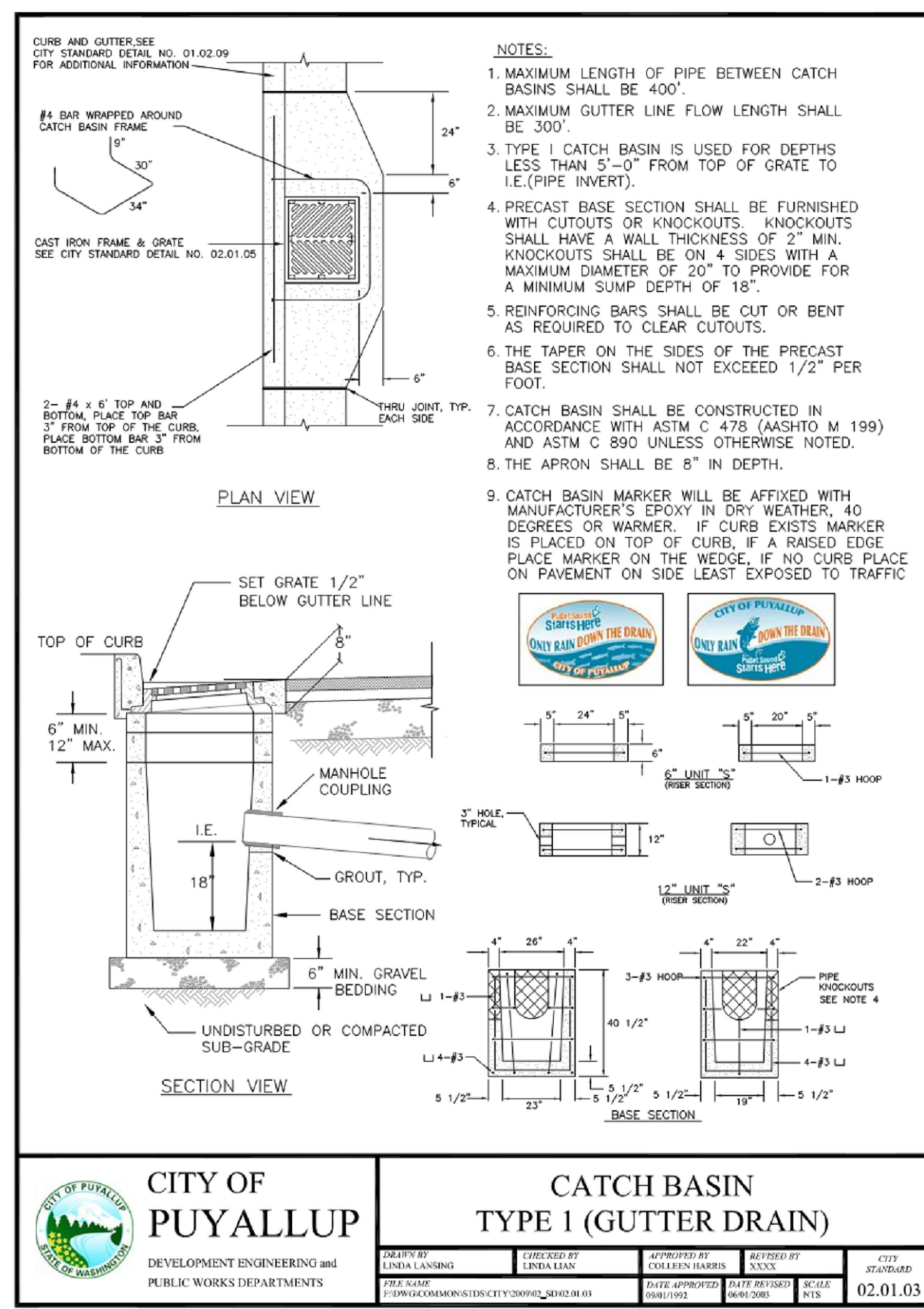
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APPROVED  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
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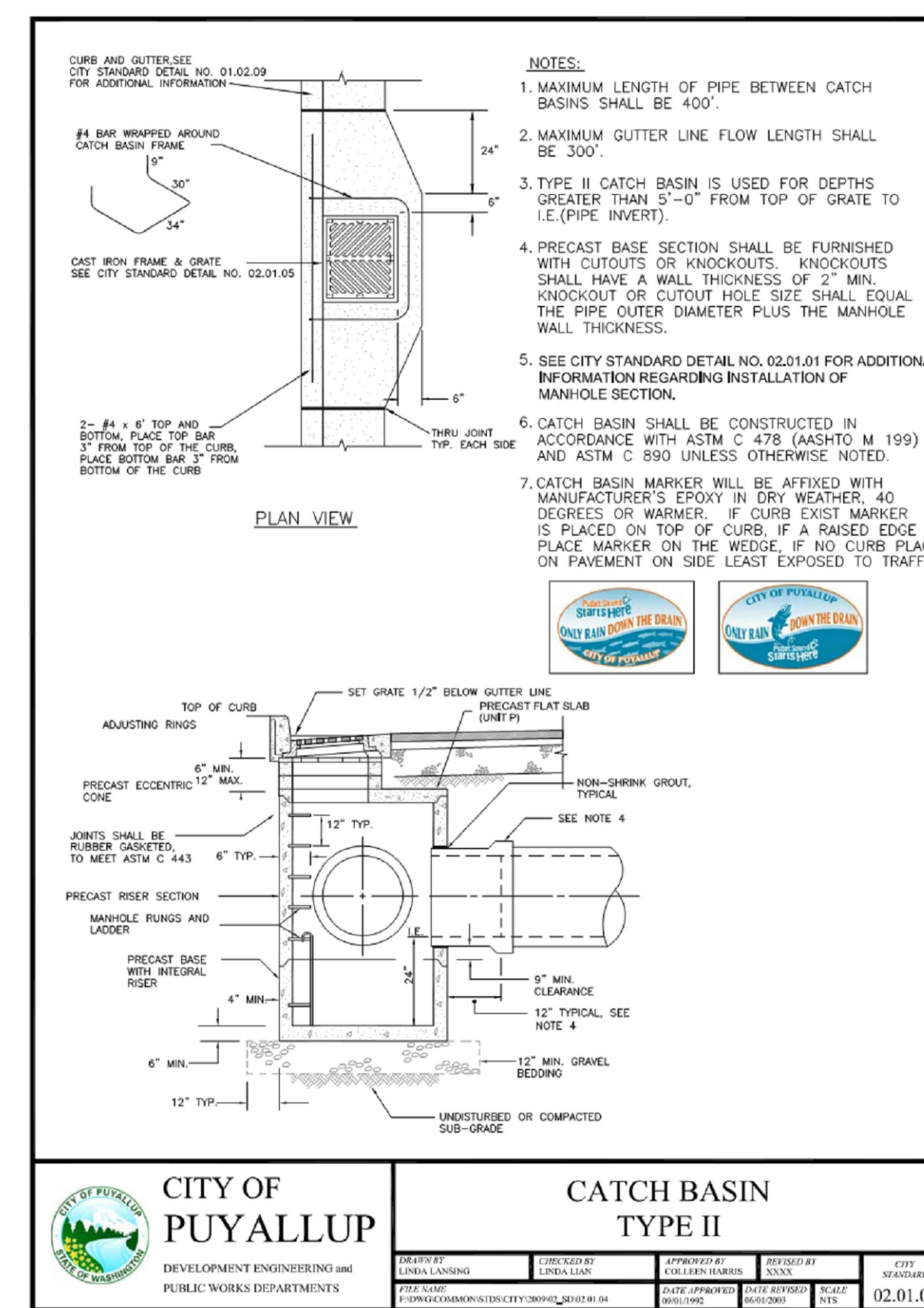
**811 Call 811**  
 two business days before you dig



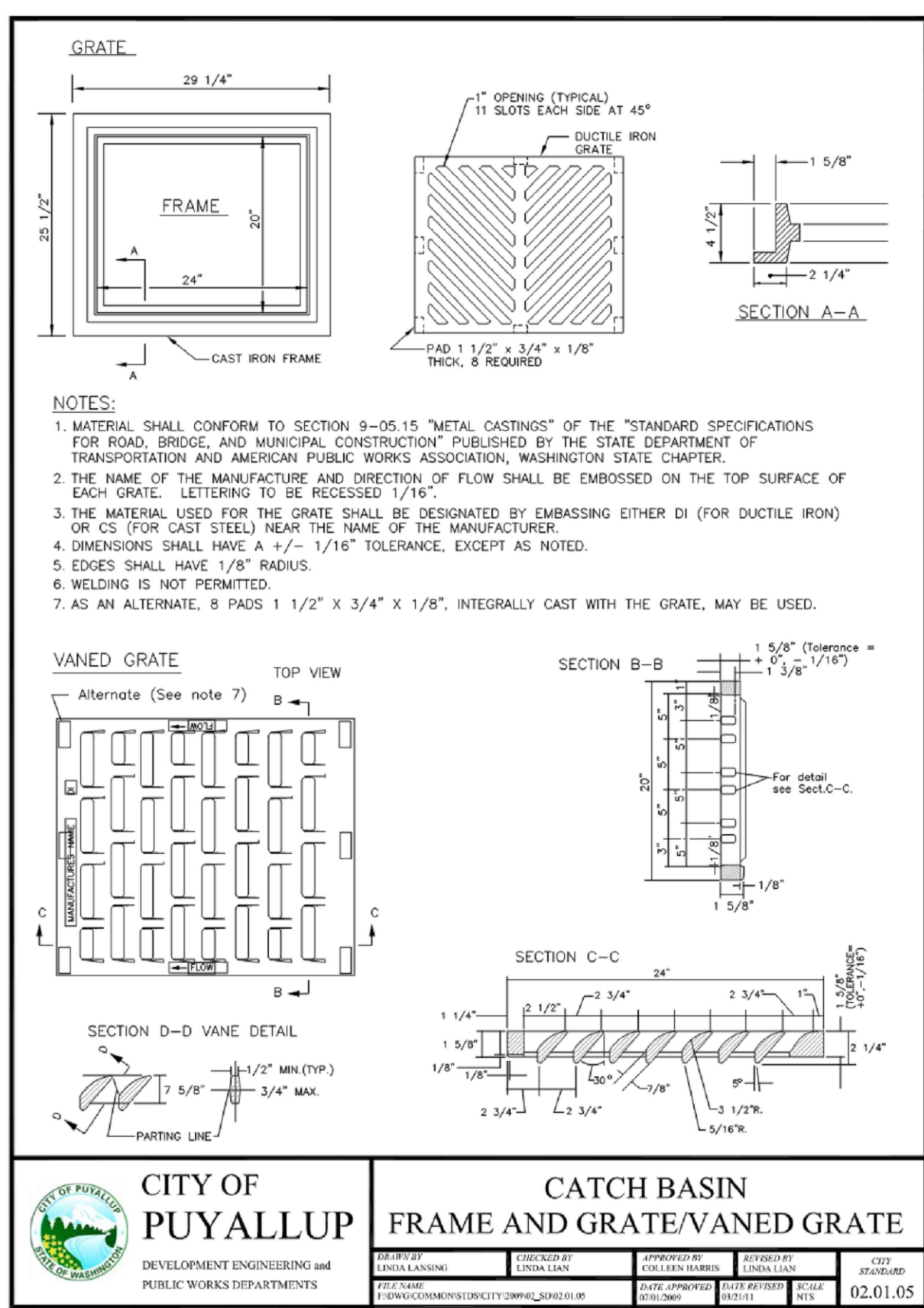
**01 CATCH BASIN TYPE 1 (AREA DRAIN)**  
 SCALE: N.T.S.



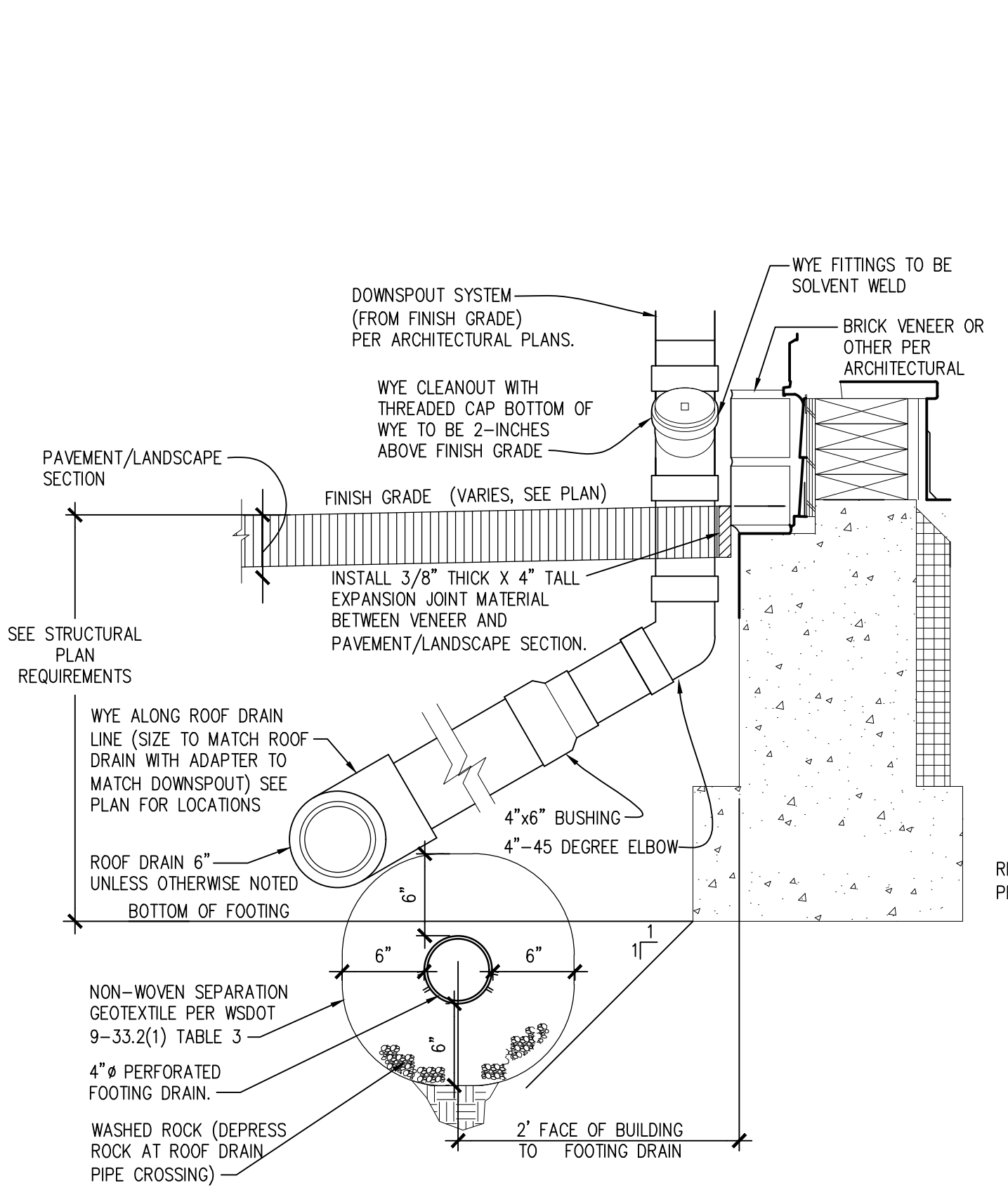
**02 CATCH BASIN TYPE 1 (GUTTER DRAIN)**  
 SCALE: N.T.S.



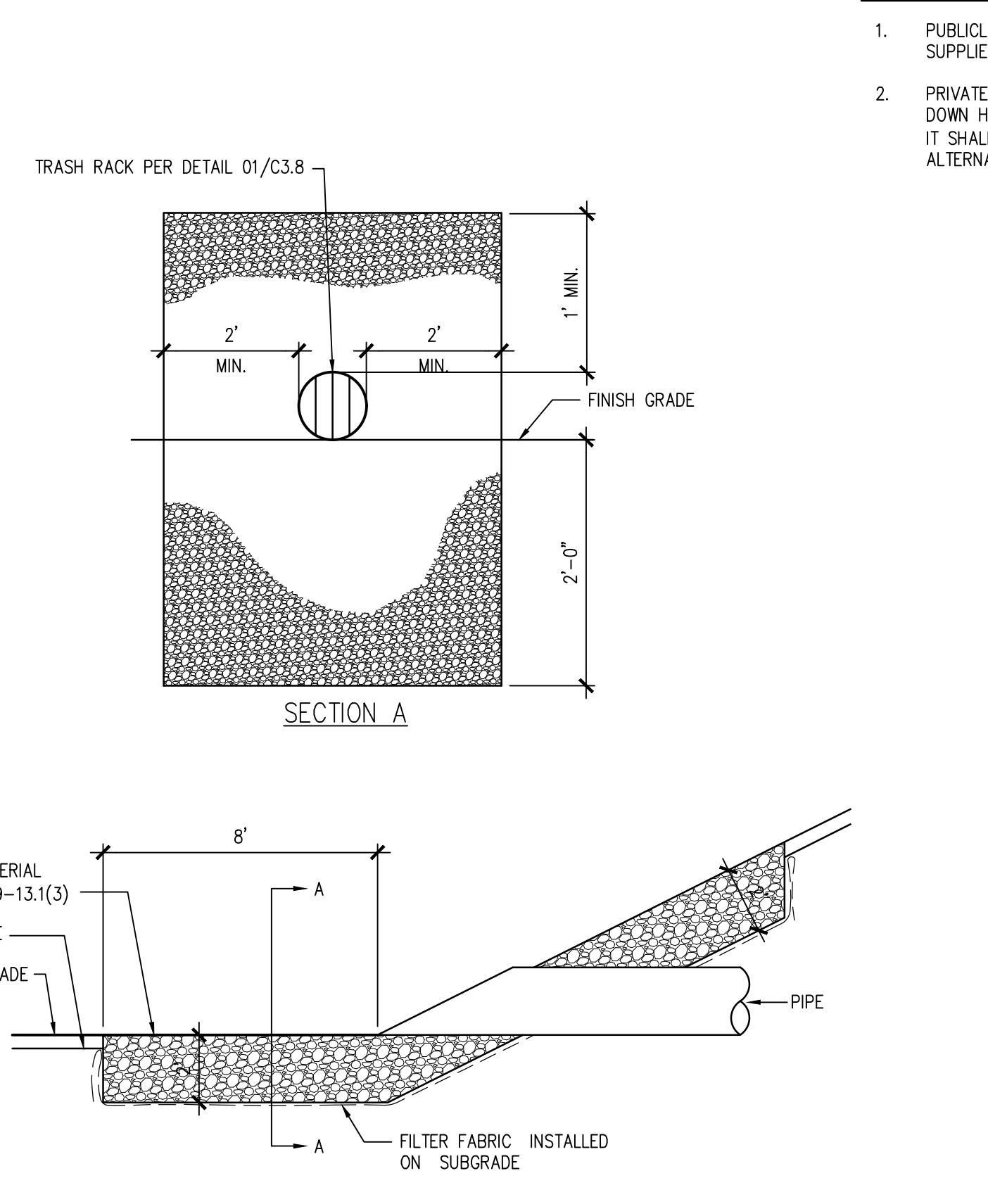
**03 CATCH BASIN TYPE 2**  
 SCALE: N.T.S.



**04 CATCH BASIN FRAME AND GRATE**  
 SCALE: N.T.S.



**05 DOWNSPOUT TERMINATION AND FOUNDATION DRAIN**  
 SCALE: N.T.S.



**06 RIP RAP PAD SECTION**  
 SCALE: N.T.S.

**CATCH BASIN SIGNAGE NOTES**

- PUBLICLY MAINTAINED STORMWATER CATCH BASINS SHALL BE SIGNED USING GLUE-DOWN MARKERS SUPPLIED BY THE CITY AND INSTALLED BY THE CONTRACTOR.
- PRIVATELY MAINTAINED STORMWATER CATCH BASINS SHALL BE SIGNED WITH PRE-CUT 90ml TORCH DOWN HEAVY-DUTY, INTERSECTION-GRADE PREFORMED THERMOPLASTIC PAVEMENT MARKING MATERIAL. IT SHALL READ EITHER "ONLY RAIN DOWN THE DRAIN" OR "NO DUMPING, DRAINS TO STREAM". ALTERNATIVELY, THE GLUE-DOWN MARKERS MAY BE PURCHASED FROM THE CITY FOR A NOMINAL FEE.

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 http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH  
 Proj. Engineer: VMS Proj. Drafter: KLK

PROJECT:  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98373

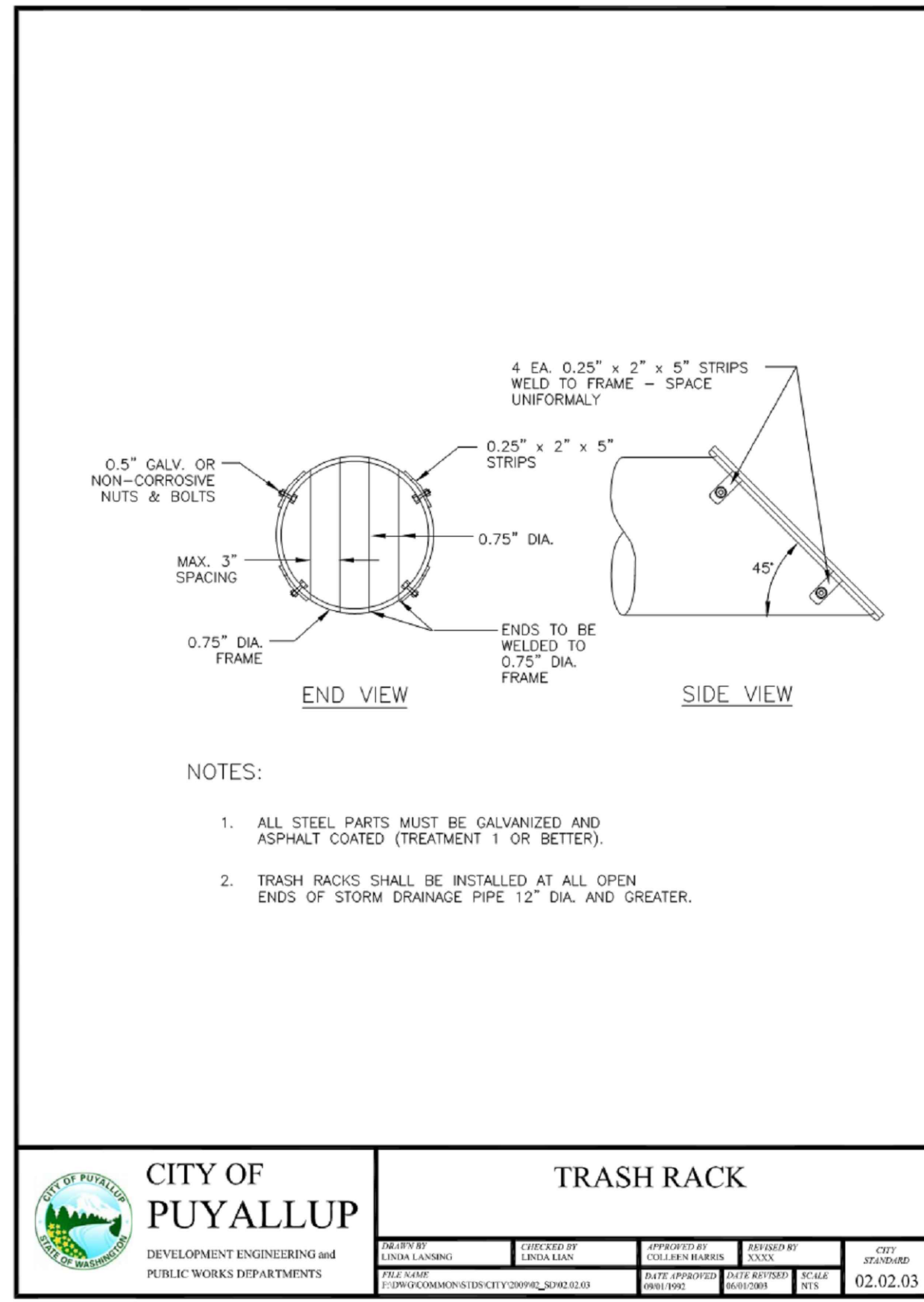
REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: GRADING AND DRAINAGE DETAILS

**BCRA**  
 CIVIL 22 OF 32

**C3.7**  
 CITY RESUBMITTAL



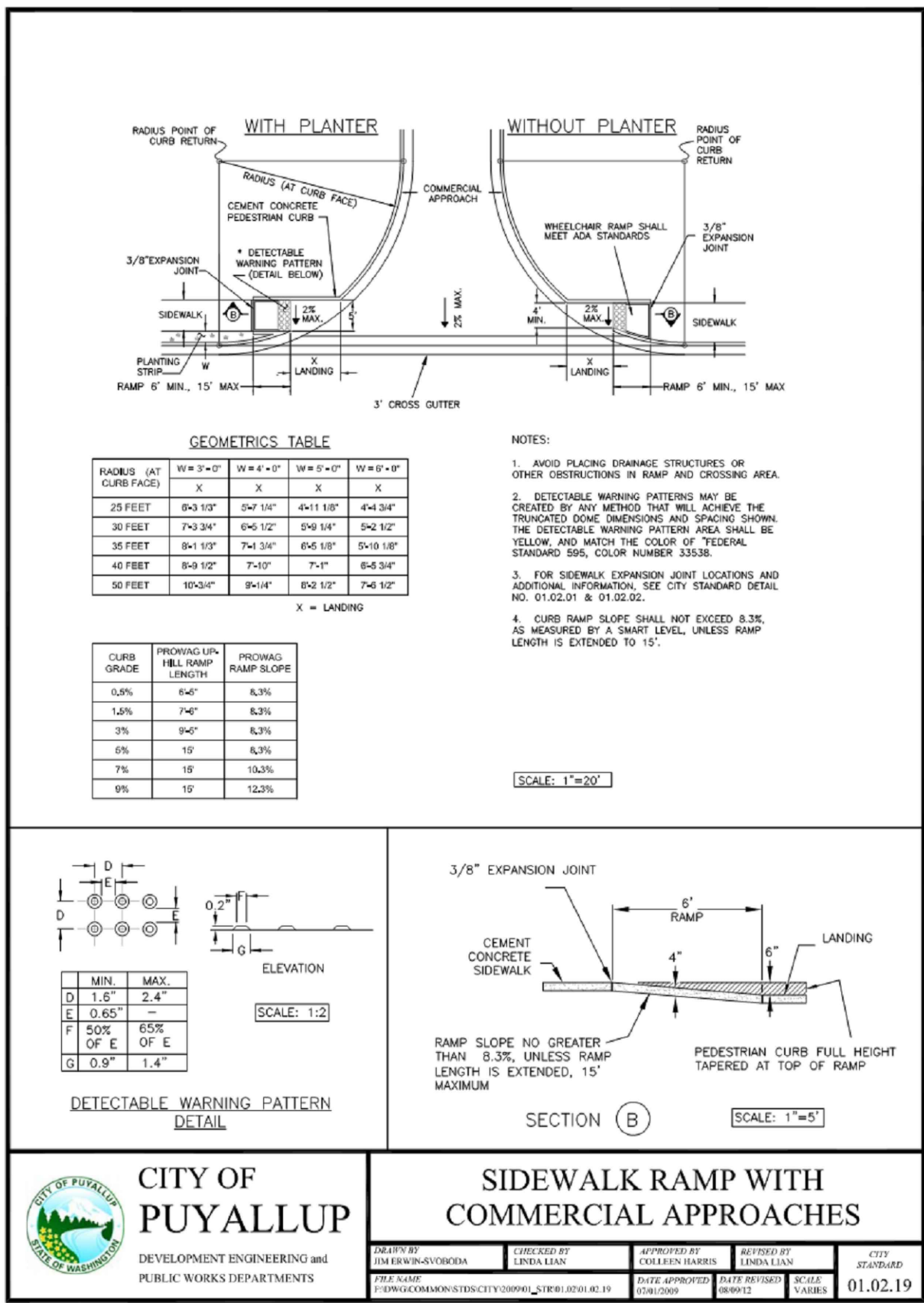
- NOTES:
1. ALL STEEL PARTS MUST BE GALVANIZED AND ASPHALT COATED (TREATMENT 1 OR BETTER).
  2. TRASH RACKS SHALL BE INSTALLED AT ALL OPEN ENDS OF STORM DRAINAGE PIPE 12" DIA. AND GREATER.

**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**TRASH RACK**

DESIGNED BY: LINDA ELAN	CHECKED BY: LINDA ELAN	APPROVED BY: LINDA ELAN	DATE: 02.02.03
-------------------------	------------------------	-------------------------	----------------

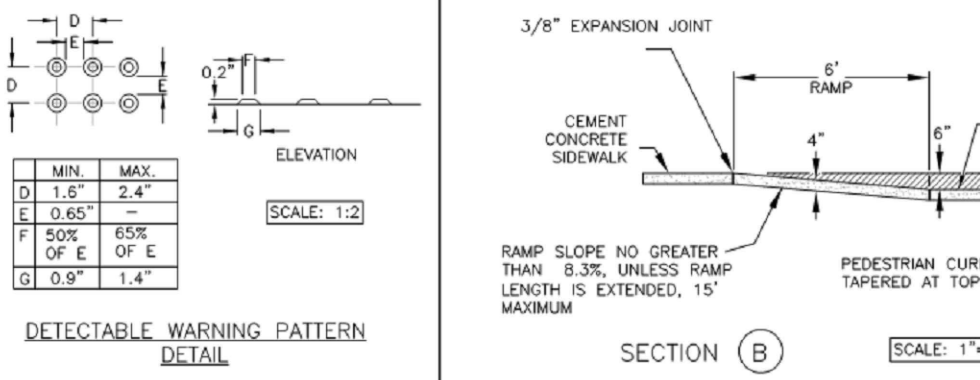
01 TRASH RACK  
SCALE: N.T.S.



GEOMETRICS TABLE

LENGTH (AT CURB FACE)	W=3'-0"	W=4'-0"	W=5'-0"	W=6'-0"
25 FEET	8x12"	8x12"	8x12"	8x12"
30 FEET	8x12"	8x12"	8x12"	8x12"
35 FEET	8x12"	8x12"	8x12"	8x12"
40 FEET	8x12"	8x12"	8x12"	8x12"
45 FEET	8x12"	8x12"	8x12"	8x12"

CURB GRADE	PROPOSED RAMP SLOPE	PROPOSED RAMP SLOPE
0.8%	1.4%	6.3%
1.2%	1.4%	6.3%
3%	1.4%	6.3%
5%	1.4%	6.3%
7%	1.4%	6.3%
9%	1.4%	6.3%



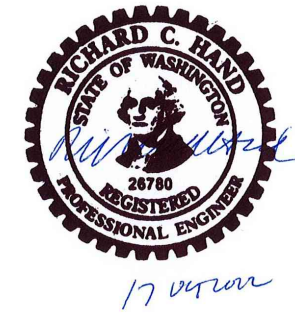
**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

**SIDEWALK RAMP WITH COMMERCIAL APPROACHES**

DESIGNED BY: LINDA ELAN	CHECKED BY: LINDA ELAN	APPROVED BY: LINDA ELAN	DATE: 01.02.19
-------------------------	------------------------	-------------------------	----------------

02 ADA RAMP  
SCALE: N.T.S.

**RECORD DRAWING**  
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**APPROVED**  
BY: [Signature]  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

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**811 Call 811**  
two business days before you dig

**BCRA**

1000 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

10/19/2020

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98473

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
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10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: GRADING AND DRAINAGE DETAILS

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http://www.sittshill.com/

Project No.: 18,328	Project Mgr.: RCH
Proj. Engineer: VMS	Proj. Drafter: KLK

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SHEET CIVIL 23 OF 32

**C3.8**  
CITY RESUBMITTAL

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**WATER CROSSINGS**

- 1 BOTTOM OF 1" WATER=359.6  
TOP OF 12" STORM=356.34  
SEPARATION=3.3'
- 2 BOTTOM OF 1" WATER=359.6  
ESTIMATED TOP OF EXISTING GAS=359.0±  
WITH 3' COVER  
SEPARATION=0.60'±
- 3 ESTIMATED BOTTOM OF 8" WATER=358.3  
WITH 3' COVER  
ESTIMATED TOP OF EXISTING 4" SEWER  
ESTIMATED FORCE MAIN=356.95  
SEPARATION=1.3'±
- 4 NOT USED
- 5 E.G.=365.7±  
ESTIMATED BOTTOM OF EXISTING 4"  
SEWER FORCE MAIN=362.24  
F.G.=365.5  
TOP OF 8" WATER=360.74  
ESTIMATED SEPARATION=1.5'±
- 6 FG=362.5±  
IE 12" SD=356.58  
TOP 12" SD=357.75  
BOTTOM 6" W=359.0  
SEPARATION=1.3'

**KEY NOTES**

- 1 PROVIDE:  
1 - 8" FL SS TAPPING TEE  
1 - 8" FL MJ GATE VALVE  
1 - THRUST BLOCK
- 2 PROVIDE:  
1 - 8"x6" MJ FL TEE  
1 - 6" FL MJ GATE VALVE  
1 - FH ASSEMBLY  
1 - THRUST BLOCK
- 3 PROVIDE:  
1 - 8" - 22.5" MJ ELL  
1 - THRUST BLOCK
- 4 PROVIDE:  
1 - 8" - 90" MJ ELL  
1 - THRUST BLOCK
- 5 PROVIDE:  
1 - 1" WATER SERVICE CONNECTION  
PER DETAIL 1/C4.3.
- 6 PROVIDE:  
1" WATER METER PER DETAIL 1/C4.3.
- 7 PROVIDE:  
POTHOLE EXCAVATIONS TO CONFIRM  
EXISTING UTILITY ELEVATIONS.  
INSTALL WATER UNDER EXISTING GAS  
TO PROVIDE 12" MINIMUM VERTICAL  
CLEARANCE.
- 8 PROVIDE:  
POTHOLE EXCAVATION TO CONFIRM  
EXISTING UTILITY ELEVATION.  
RELOCATE SANITARY SEWER FORCE  
MAIN UNDER WATER TO PROVIDE 1.5'  
MINIMUM VERTICAL CLEARANCE AND  
PROVIDE 20LF CONCRETE  
ENCASEMENT PER DETAIL 02/C4.2  
AND 03/C4.2
- 9 PROVIDE  
3/4" HDPE WATER SERVICE PIPELINE  
WITH ALTERNATE. COORDINATE EXACT  
LOCATION WITH MECHANICAL. NO  
WATER SERVICE PIPE IN BASE BID.
- 10 PROVIDE  
1" DCVA PER DETAIL 04/C4.4
- 11 PROVIDE FIELD-LOK GASKETS IN ALL  
PIPE JOINTS WITHIN SOLE OF FITTING
- 12 1" SCH40 PVC SLUMP PUMP  
DISCHARGE LINE, 2' COVER MIN.
- 13 PROVIDE 1-1/2" METER AND BOX PER  
DETAIL 05/C4.4.
- 14 PROVIDE 1-1/2" IRRIGATION DCVA  
PER DETAIL 04/C4.4. SEE ALSO  
LANDSCAPE PLANS.

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS  
PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING  
INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND  
THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS.  
RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS  
DOCUMENT.

**DELETED WATER MAIN, FH AND METER INSTALLATION  
LOCATED WITHIN THE WATER EASEMENT FROM  
CONTRACT WORK. WATER SYSTEM MATERIALS AND  
INSTALLATION BY FRUITLAND WATER AND/OR THEIR  
CONTRACTOR. WATER AND FIRE SERVICES BETWEEN  
THE METER AND BUILDING BY DISTRICT CONTRACTOR.**



**FIRE HYDRANT/FDC  
LOCATION/ACCESS APPROVED**  
BY: *Ray C. Hill*  
CITY OF PUYALLUP  
FIRE CODE OFFICIAL  
DATE: **June 9, 2020**

**NOTE:** THIS APPROVAL IS VOID  
AFTER 1 YEAR FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS AND/OR  
OMISSIONS ON THESE  
PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE FIRE CODE  
OFFICIAL.

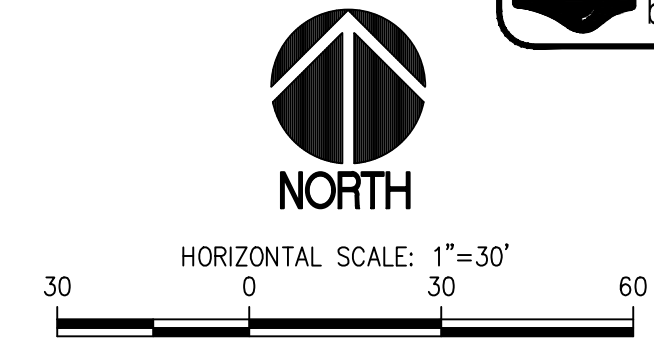
**APPROVED**  
BY: *John M. ...*  
FRUITLAND MUTUAL WATER COMPANY  
DATE: **9 Jun 20**

**NOTE:** THIS APPROVAL IS VOID  
AFTER 1 YEAR FROM APPROVAL  
DATE.  
WATER PURVEYOR WILL NOT BE  
RESPONSIBLE FOR ERRORS AND/OR  
OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE WATER  
PURVEYOR.

**APPROVED**  
BY: *John M. ...*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: **06-09-20**

**NOTE:** THIS APPROVAL IS VOID  
AFTER 1 YEAR FROM APPROVAL  
DATE.  
THE CITY WILL NOT BE  
RESPONSIBLE FOR ERRORS AND/OR  
OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE  
CHANGES TO THESE PLANS AS  
DETERMINED BY THE  
ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days  
before you dig



**LEGEND**

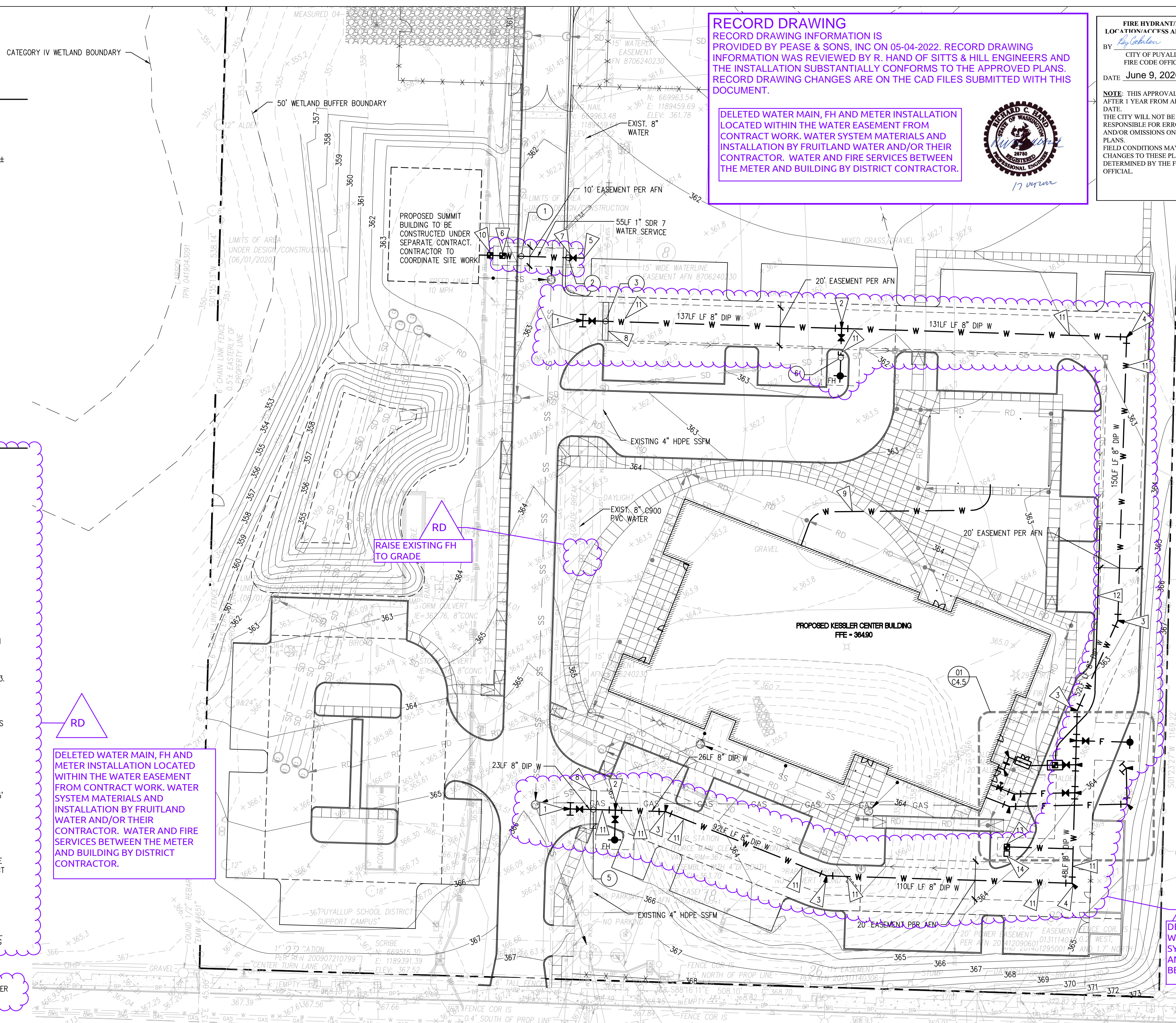
- PROPOSED FEATURES-**
- W — WATER PIPING
  - F — FIRE WATER PIPING
  - W Fittings — WATER FITTING W/THRUST BLOCKS
  - X — GATE VALVE
  - M — WATER METER
  - P — POST INDICATOR VALVE
  - ◇ — FIRE DEPARTMENT CONNECTION
  - — FIRE HYDRANT

**GENERAL NOTES**

1. THE WATER SYSTEM SHALL BE CONSTRUCTED TO CURRENT CITY OF PUYALLUP (FIRE) AND FRUITLAND MUTUAL WATER COMPANY STANDARDS.
2. TYPICAL UTILITY TRENCH EXCAVATION, BEDDING AND BACKFILL SHALL COMPLY WITH CITY STANDARD DETAIL 06.01.01 REQUIREMENTS (SEE DETAIL 02/C4.4).
3. ADJUST OR SET THE FRAMES OF EXISTING AND PROPOSED UTILITY GRATES AND COVERS AS NECESSARY TO MATCH THE CROSS SLOPE OF THE PROPOSED FINISH GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITY GRATES AND COVERS.
4. ALL WATER AND FIRE WATER PIPING 3" AND LARGER SHALL BE THRUST BLOCKED PER DETAILS 4-6/C4.2. 3" THRUST BLOCKS SHALL MATCH 4" SIZES.
5. ALL WATER AND FIRE WATER FITTINGS 3" AND LARGER SHALL HAVE MEGALUG RESTRAINED JOINTS.
6. COMPLY WITH WATERMAIN CLEARANCE REQUIREMENT IN DETAILS 2 & 3/C4.2.
7. FH INSTALLATIONS SHALL CONFORM TO DETAIL 3/C4.3 REQUIREMENTS.
8. COMPLY WITH WATER NOTE REQUIREMENTS ON C4.4.
9. PROVIDE WATER VALVE INSTALLATIONS PER DETAIL 1/C4.2 REQUIREMENTS.
10. PROVIDE 3'-0" MINIMUM COVER OVER WATER PIPELINE UNLESS OTHERWISE SPECIFIED.
11. FRUITLAND MUTUAL WATER COMPANY JURISDICTION ENDS AT METER/SERVICE AND FIRE LINE ISOLATION VALVE.

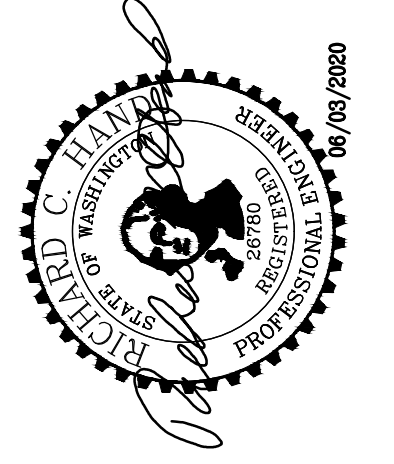
**DELETED WATER MAIN, FH AND METER INSTALLATION  
LOCATED WITHIN THE WATER EASEMENT FROM  
CONTRACT WORK. WATER SYSTEM MATERIALS AND  
INSTALLATION BY FRUITLAND  
WATER AND/OR THEIR  
CONTRACTOR. WATER AND FIRE  
SERVICES BETWEEN THE METER  
AND BUILDING BY DISTRICT  
CONTRACTOR.**

**DELETED WATER MAIN, FH AND METER INSTALLATION  
LOCATED WITHIN THE WATER EASEMENT FROM  
CONTRACT WORK. WATER  
SYSTEM MATERIALS AND INSTALLATION BY FRUITLAND WATER  
AND/OR THEIR CONTRACTOR. WATER AND FIRE SERVICES  
BETWEEN THE METER AND BUILDING BY DISTRICT CONTRACTOR.**



**SITTS & HILL  
ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

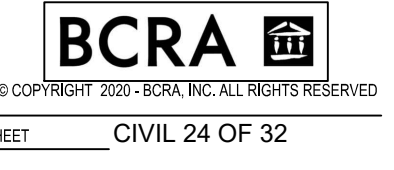


**PROJECT**  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98473

**REVISIONS**

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: WATER UTILITY PLAN



**C4.1**  
CITY RESUBMITTAL

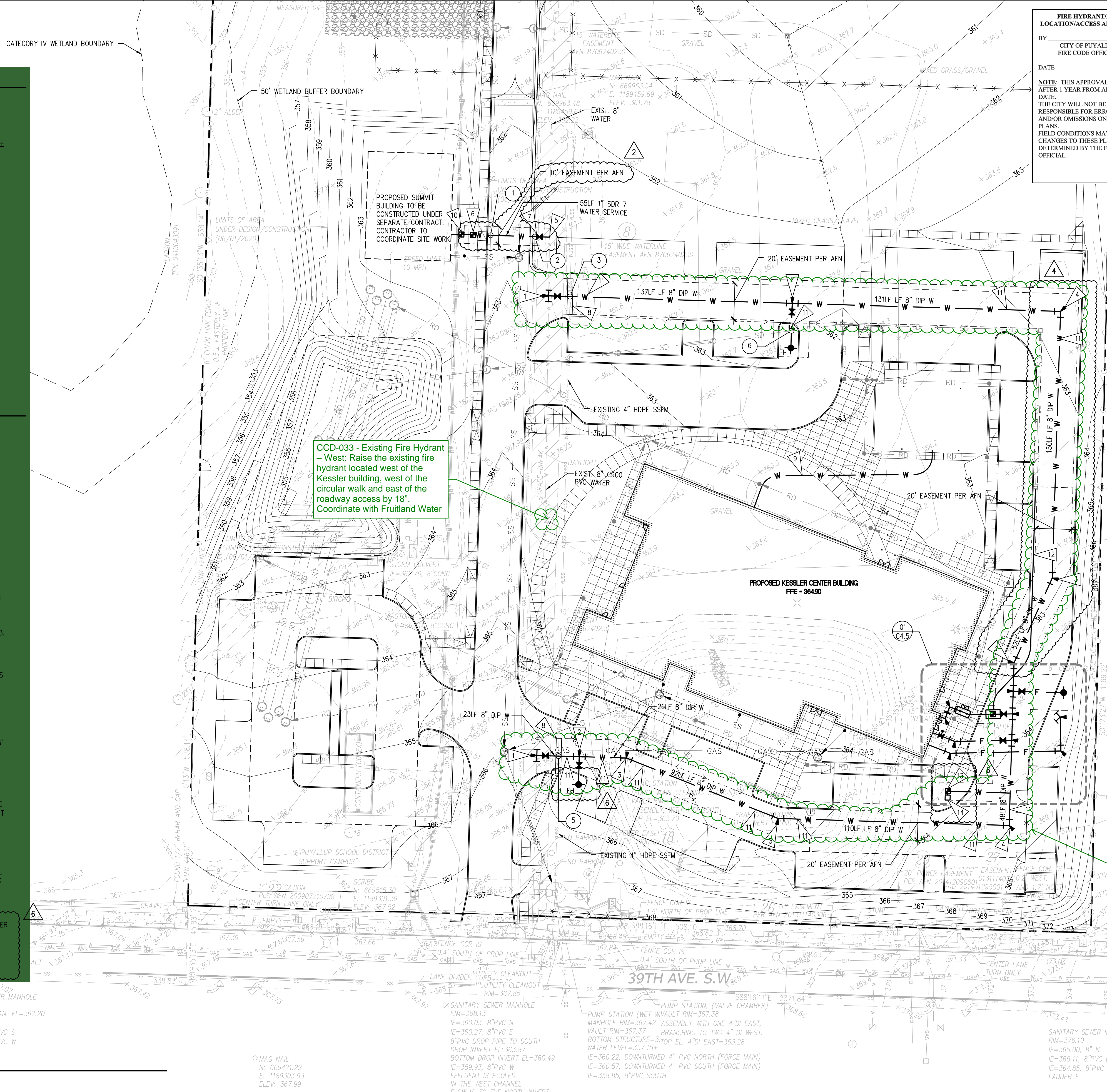
IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**WATER CROSSINGS**

- 1 BOTTOM OF 1" WATER=359.6  
TOP OF 12" STORM=356.34  
SEPARATION=3.3'
- 2 BOTTOM OF 1" WATER=359.6  
ESTIMATED TOP OF EXISTING GAS=359.0±  
WITH 3' COVER  
SEPARATION=0.60'±
- 3 ESTIMATED BOTTOM OF 8" WATER=358.3  
WITH 3' COVER  
ESTIMATED TOP OF EXISTING 4" SEWER  
ESTIMATED FORCE MAIN=356.95  
SEPARATION=1.3'±
- 4 NOT USED
- 5 E.G.=365.7±  
ESTIMATED BOTTOM OF EXISTING 4" SEWER FORCE MAIN=362.24  
F.G.=365.5  
TOP OF 8" WATER=360.74  
ESTIMATED SEPARATION=1.5'±
- 6 FG=362.5±  
IE 12" SD=356.58  
TOP 12" SD=357.75  
BOTTOM 6" W=359.0  
SEPARATION=1.3'

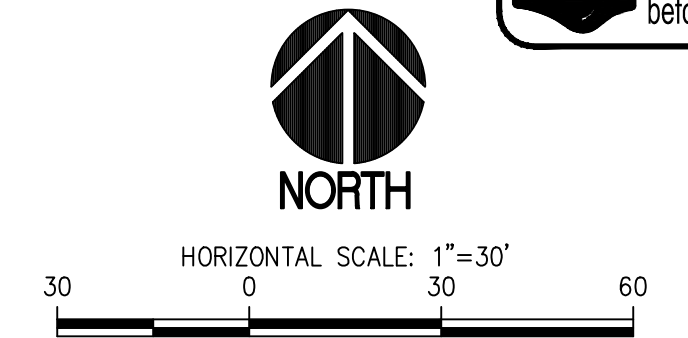
**KEY NOTES**

- 1 PROVIDE:  
1 - 8" FL SS TAPPING TEE  
1 - 8" FL MJ GATE VALVE  
1 - THRUST BLOCK
- 2 PROVIDE:  
1 - 8"x6" MJ FL TEE  
1 - 6" FL MJ GATE VALVE  
1 - FH ASSEMBLY  
1 - THRUST BLOCK
- 3 PROVIDE:  
1 - 8" - 22.5' MJ ELL  
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- 4 PROVIDE:  
1 - 8" - 90' MJ ELL  
1 - THRUST BLOCK
- 5 PROVIDE:  
1 - 1" WATER SERVICE CONNECTION  
PER DETAIL 1/C4.3.
- 6 PROVIDE:  
1" WATER METER PER DETAIL 1/C4.3.
- 7 PROVIDE:  
POTHOLE EXCAVATIONS TO CONFIRM EXISTING UTILITY ELEVATIONS.  
INSTALL WATER UNDER EXISTING GAS TO PROVIDE 12" MINIMUM VERTICAL CLEARANCE.
- 8 PROVIDE:  
POTHOLE EXCAVATION TO CONFIRM EXISTING UTILITY ELEVATION.  
RELOCATE SANITARY SEWER FORCE MAIN UNDER WATER TO PROVIDE 1.5' MINIMUM VERTICAL CLEARANCE AND PROVIDE 20L CONCRETE ENCASEMENT PER DETAIL 02/C4.2 AND 03/C4.2
- 9 PROVIDE:  
3/4" HDPE WATER SERVICE PIPELINE WITH ALTERNATE. COORDINATE EXACT LOCATION WITH MECHANICAL. NO WATER SERVICE PIPE IN BASE BID.
- 10 PROVIDE:  
1" DCVA PER DETAIL 04/C4.4
- 11 PROVIDE FIELD-LOK GASKETS IN ALL PIPE JOINTS WITHIN 50LF OF FITTING
- 12 1" SCH40 PVC SLUMP PUMP DISCHARGE LINE. 2' COVER MIN.
- 13 PROVIDE 1-1/2" METER AND BOX PER DETAIL 05/C4.4.
- 14 PROVIDE 1-1/2" IRRIGATION DCVA PER DETAIL 04/C4.4. SEE ALSO LANDSCAPE PLANS.



<p><b>FIRE HYDRANT/FDC LOCATION/ACCESS APPROVED</b></p> <p>BY: CITY OF PUYALLUP FIRE CODE OFFICIAL</p> <p>DATE:</p> <p><b>NOTE:</b> THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE FIRE CODE OFFICIAL.</p>	<p><b>APPROVED</b></p> <p>BY: FRUITLAND MUTUAL WATER COMPANY</p> <p>DATE:</p> <p><b>NOTE:</b> THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. WATER PURVEYOR WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE WATER PURVEYOR.</p>	<p><b>APPROVED</b></p> <p>BY: CITY OF PUYALLUP ENGINEERING SERVICES</p> <p>DATE:</p> <p><b>NOTE:</b> THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.</p>
--	--	---

**811 Call 811**  
two business days before you dig



**LEGEND**

- PROPOSED FEATURES**
- W WATER PIPING
  - F FIRE WATER PIPING
  - Water fitting w/thrust blocks
  - GATE VALVE
  - WATER METER
  - POST INDICATOR VALVE
  - FIRE DEPARTMENT CONNECTION
  - FIRE HYDRANT

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11. FRUITLAND MUTUAL WATER COMPANY JURISDICTION ENDS AT METER/SERVICE AND FIRE LINE ISOLATION VALVE.

**COP#6 - Water System:** Delete the installation of the water system shown on the Civil Drawings between the point of connection to water main and the water meter to include the water system components described in attached list from Sitts & Hill Engineers. Fruitland Water, or their designated subcontractor will install the water system shown on the Civil Drawings; the cost of which is covered by the connection fee charged to the Owner.

**SITTS & HILL ENGINEERS, INC.**  
 CIVIL • STRUCTURAL • SURVEYING  
 4815 CENTER STREET | TACOMA, WA 98409  
 PHONE: (253) 474-9449 | FAX: (253) 474-0153  
 http://www.sitts-hill.com/

Project No.: 18,328	Project Mgr.: RCH
Proj. Engineer: VMS	Proj. Drafter: KLK

**BCRA**  
 2109 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402  
 253.474.9449  
 253.474.0153  
 10/15/2020

**COP#6 8/3/20**

PLEASE NOTE THAT ADDENDUM 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

**FOR PUYALLUP SCHOOL DISTRICT  
 KESSLER CENTER  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98473**

**REVISIONS**

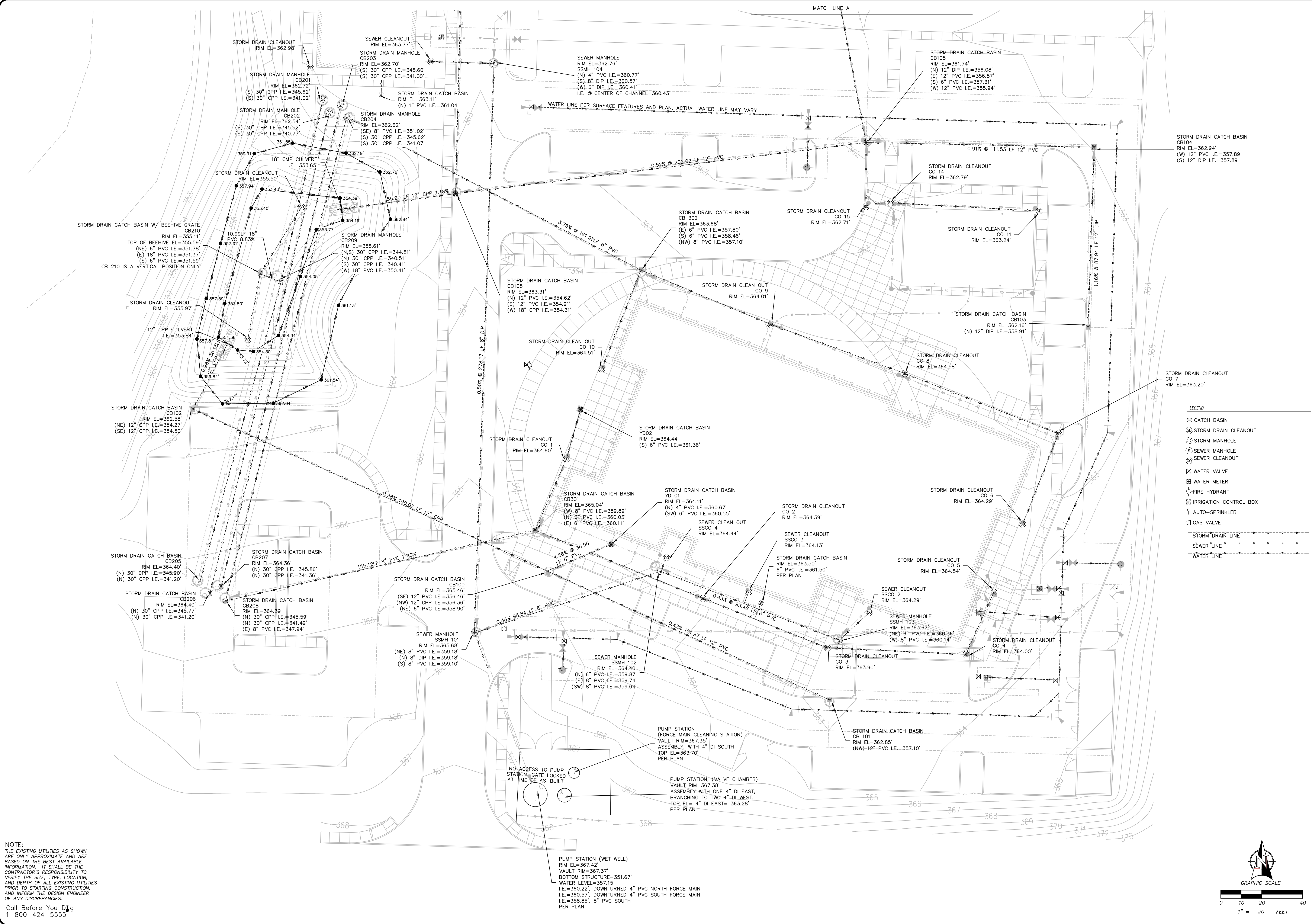
03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
06-15-2020	CONFORMED SET

DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE:

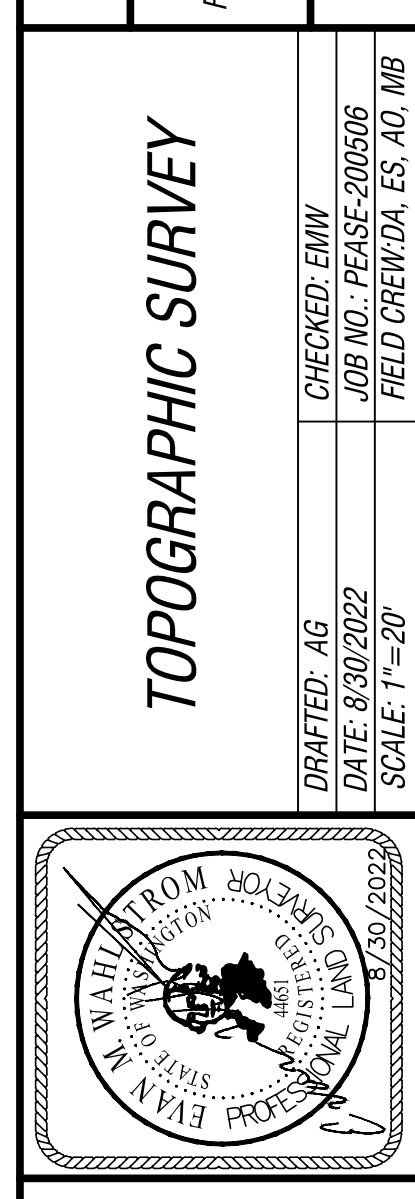
**BCRA**  
 CIVIL 24 OF 32

**C4.1**  
 CONFORMED SET

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



LOCATED IN SW 1/4 OF THE SW 1/4 OF SECTION 4, TOWNSHIP 19N, RANGE 4E, W4M.  
 FOR:



1501 39TH AVE SW  
 PUYALLUP, WA 98375  
 TAX PARCEL NO. 0419043117  
 informed land survey  
 PO Box 5137  
 Tacoma, WA 98415-0137  
 Phone: 362.632.2070  
 adm@landsurvey.com  
 www.landsurvey.com  
 LAND SURVEYING • MAPPING • CONSTRUCTION LAYOUT

**WATER VALVES AND MAINS**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.01.01  
SCALE: N.T.S.

**WATER MAIN CROSSING OTHER UTILITIES**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.01.03-1  
SCALE: N.T.S.

**WATER MAIN CROSSING OTHER UTILITIES NOTES**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.01.03-2  
SCALE: N.T.S.

**RECORD DRAWING**  
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**DELETED WATER MAIN, FH AND METER INSTALLATION LOCATED WITHIN THE WATER EASEMENT FROM CONTRACT WORK. WATER SYSTEM MATERIALS AND INSTALLATION BY FRUITLAND WATER AND/OR THEIR CONTRACTOR. WATER AND FIRE SERVICES BETWEEN THE METER AND BUILDING BY DISTRICT CONTRACTOR.**

**APPROVED**  
BY: *[Signature]*  
FRUITLAND MUTUAL WATER COMPANY  
DATE: 9 Jun 20

**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. WATER PURVEYOR WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE WATER PURVEYOR.

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**811 Call 811**  
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**01 WATER VALVES AND MAINS**  
SCALE: N.T.S.

**02 WATER MAIN CROSSING OTHER UTILITIES**  
SCALE: N.T.S.

**03 WATER MAIN CROSSING OTHER UTILITIES NOTES**  
SCALE: N.T.S.

**HORIZONTAL THRUST BLOCKING**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.02.01-1  
SCALE: N.T.S.

**NOTES:**  
1. THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:  
A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.  
B. THE PIPE FITTINGS AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.  
C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.  
D. RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.  
E. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.  
2. ALL PIPE SHALL BE PROPERLY BEDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.  
3. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.  
4. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.  
5. BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

**VERTICAL THRUST BLOCKING**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.02.01-2  
SCALE: N.T.S.

**TABLE 1: CONCRETE BLOCKING FOR VERTICAL BENDS**

PIPE DIAMETER (INCHES)	TEST PRESSURE (PSI)	BEND ANGLE (DEG)	CONCRETE VOLUME (CY)	CURE SIZE (FEET)	CHAIN SIZE (INCHES)	CHAIN EMBEUREMENT (INCHES)
4"	200	11.25°	6	1.8	3/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	200	11.25°	14	2.4	3/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	200	11.25°	25	2.9	3/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	200	11.25°	38	3.4	3/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	200	11.25°	55	3.8	3/8"	17"
		22.5°	108	4.8		
		45°	200	5.8		
14"	200	11.25°	75	4.2	3/8"	17"
		22.5°	147	5.3		
		45°	272	6.5		
16"	200	11.25°	98	4.6	3/8"	17"
		22.5°	192	5.8		
		45°	355	7.1		

**NOTES:**  
ALL NOTES ON CITY STANDARD 03.02.01-1 SHALL APPLY TO THIS DETAIL.  
SEE CITY STANDARD 03.02.01-3 FOR ADDITIONAL INFORMATION.

**THRUST BLOCKING TABLE**  
CITY OF PUYALLUP  
OFFICE OF THE CITY ENGINEER  
APPROVED FOR PUBLICATION: 2/5/2018  
CITY STANDARD: 03.02.01-3  
SCALE: N.T.S.

**TABLE 2: THRUST AT FITTINGS AT 200 PSI**

SIZE	TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI				
		A	B	C	D	E
4"	200	3,140	4,440	2,405	1,225	615
6"	200	7,070	9,995	5,410	2,760	1,385
8"	200	12,565	17,770	9,820	4,905	2,465
10"	200	18,835	27,770	15,030	7,660	3,850
12"	200	26,275	39,985	21,640	11,030	5,545
14"	200	36,485	54,425	29,455	15,015	7,545
16"	200	50,265	71,085	38,470	19,615	9,855

**TABLE 3: BEARING VALUE OF SOIL**

SOIL TYPE	SAFE BEARING LOAD (LBS/SF)
MUCK, PEAT, ETC.	0
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

**NOTES:**  
① TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE TO 200 PSI.  
EXAMPLE: THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.  
 $39,985 \times \frac{300}{200} = 59,978$  LBS  
② TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):  
SEE TABLE 3, BEARING VALUE OF SOIL.  
EXAMPLE: FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF.  
 $59,978 \text{ LBS} \div 3,000 \text{ LBS/SF} = 20 \text{ SF OF AREA}$   
③ CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.  
④ AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.  
⑤ NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.A.) PLUS OR CH.

**04 HORIZONTAL THRUST BLOCKING**  
SCALE: N.T.S.

**05 VERTICAL THRUST BLOCKING**  
SCALE: N.T.S.

**06 THRUST BLOCKING TABLE**  
SCALE: N.T.S.

**SITTS & HILL ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 | Project Mgr.: RCH  
Proj. Engineer: VMS | Proj. Drafter: KLK

**BCRA**  
2100 PACIFIC AVENUE, SUITE 300, TACOMA, WA 98402

**PROJECT:** FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98473

**REVISIONS:**

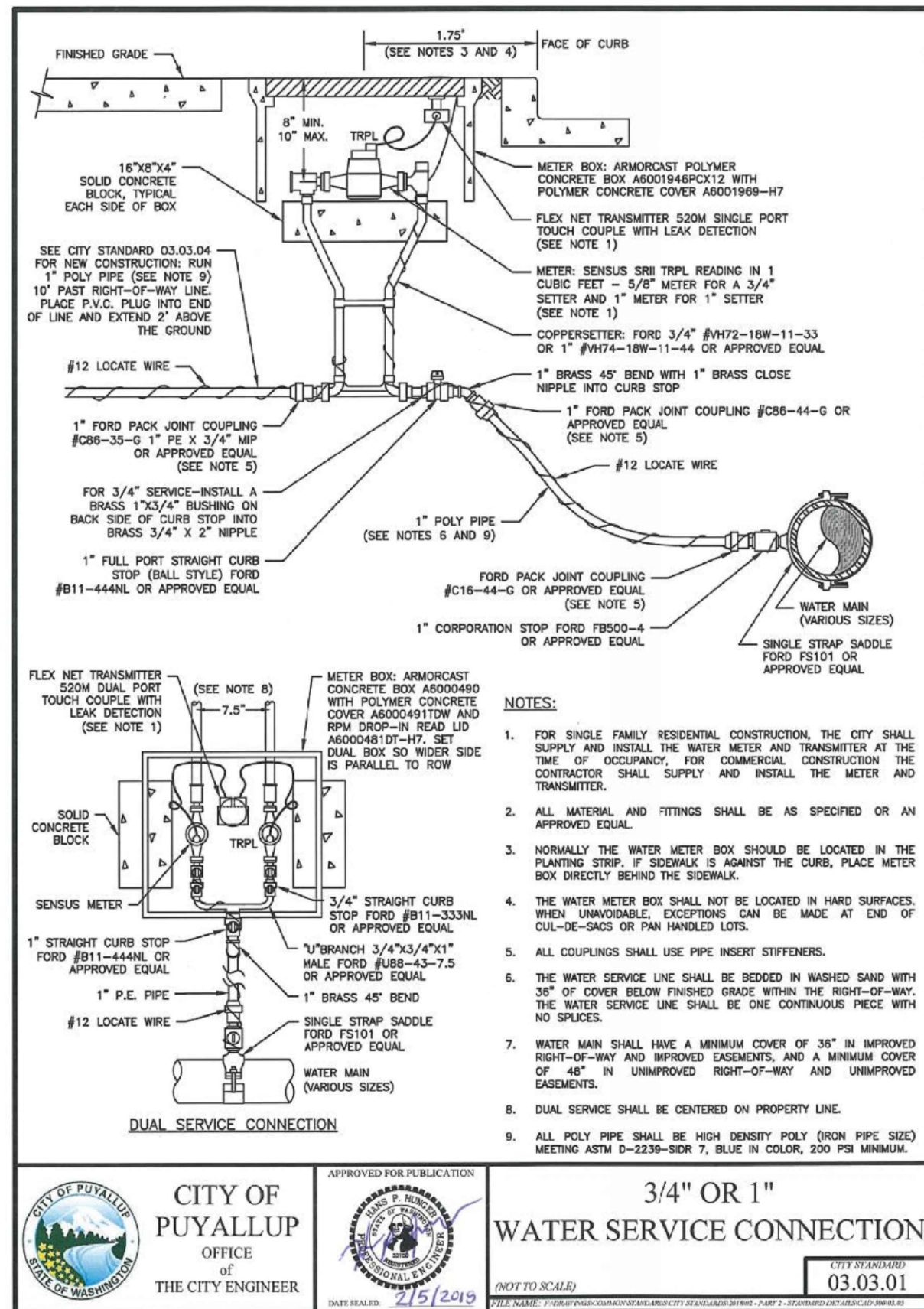
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03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: WATER UTILITY DETAILS

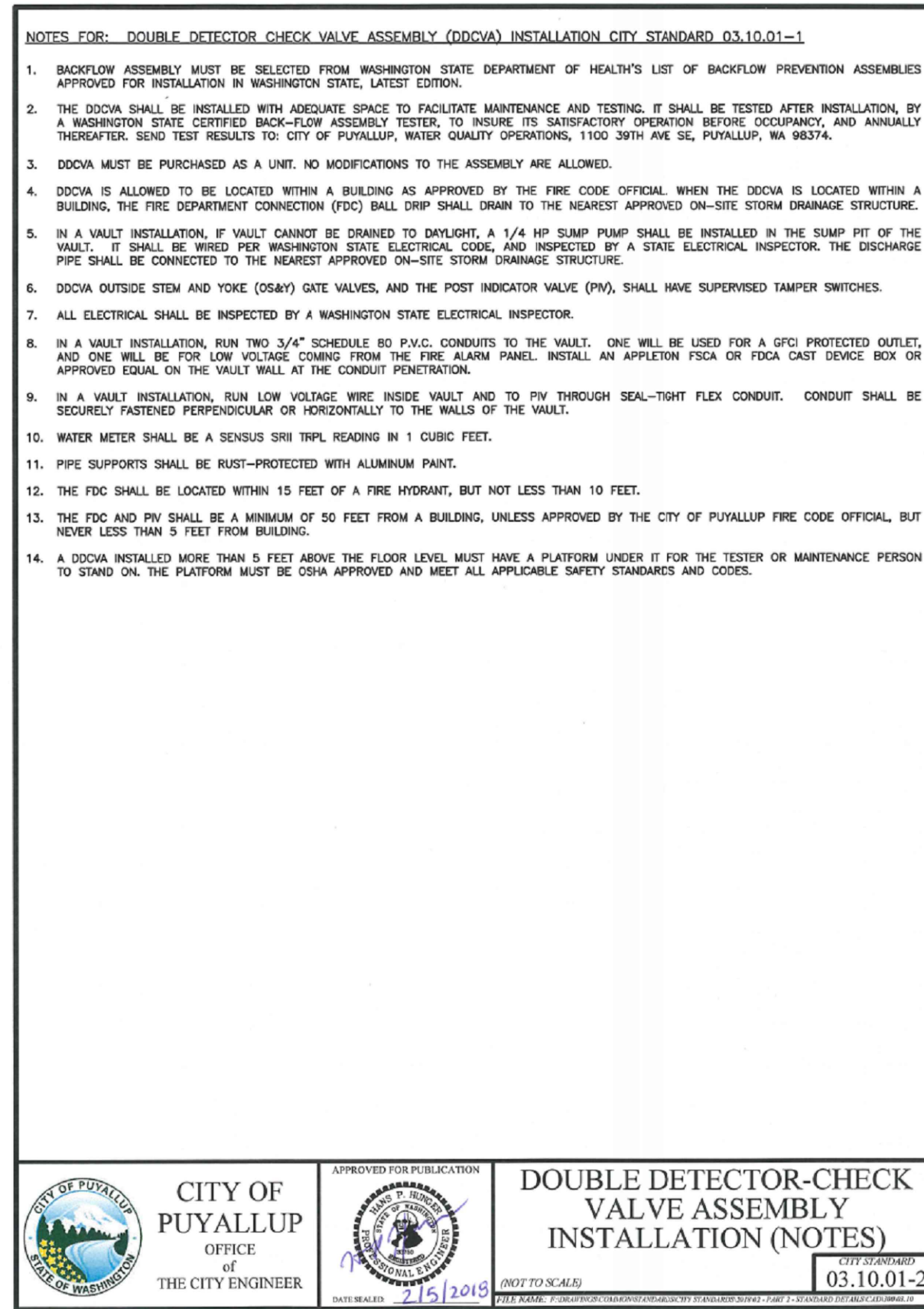
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**C4.2**  
CITY RESUBMITTAL

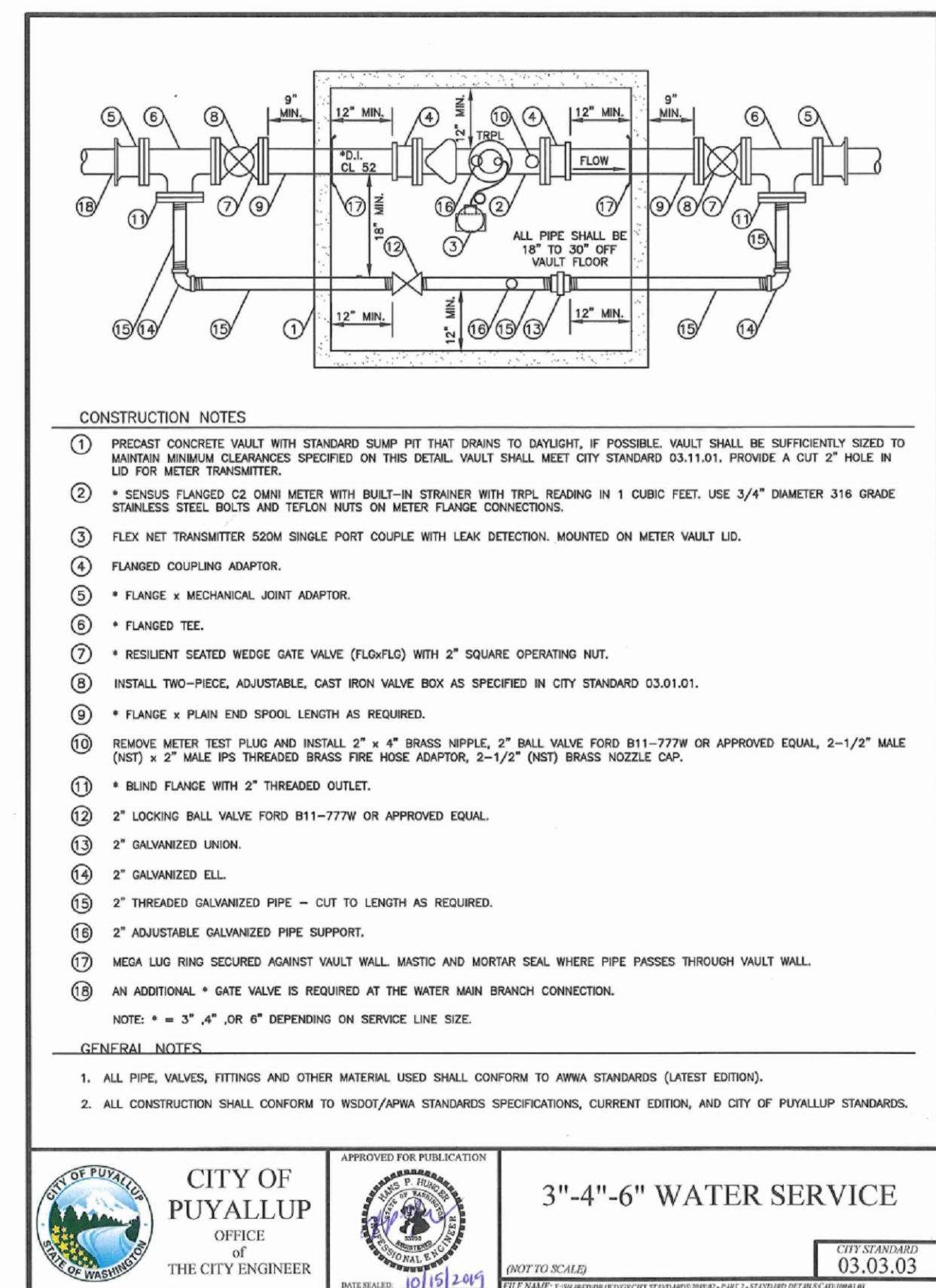
IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



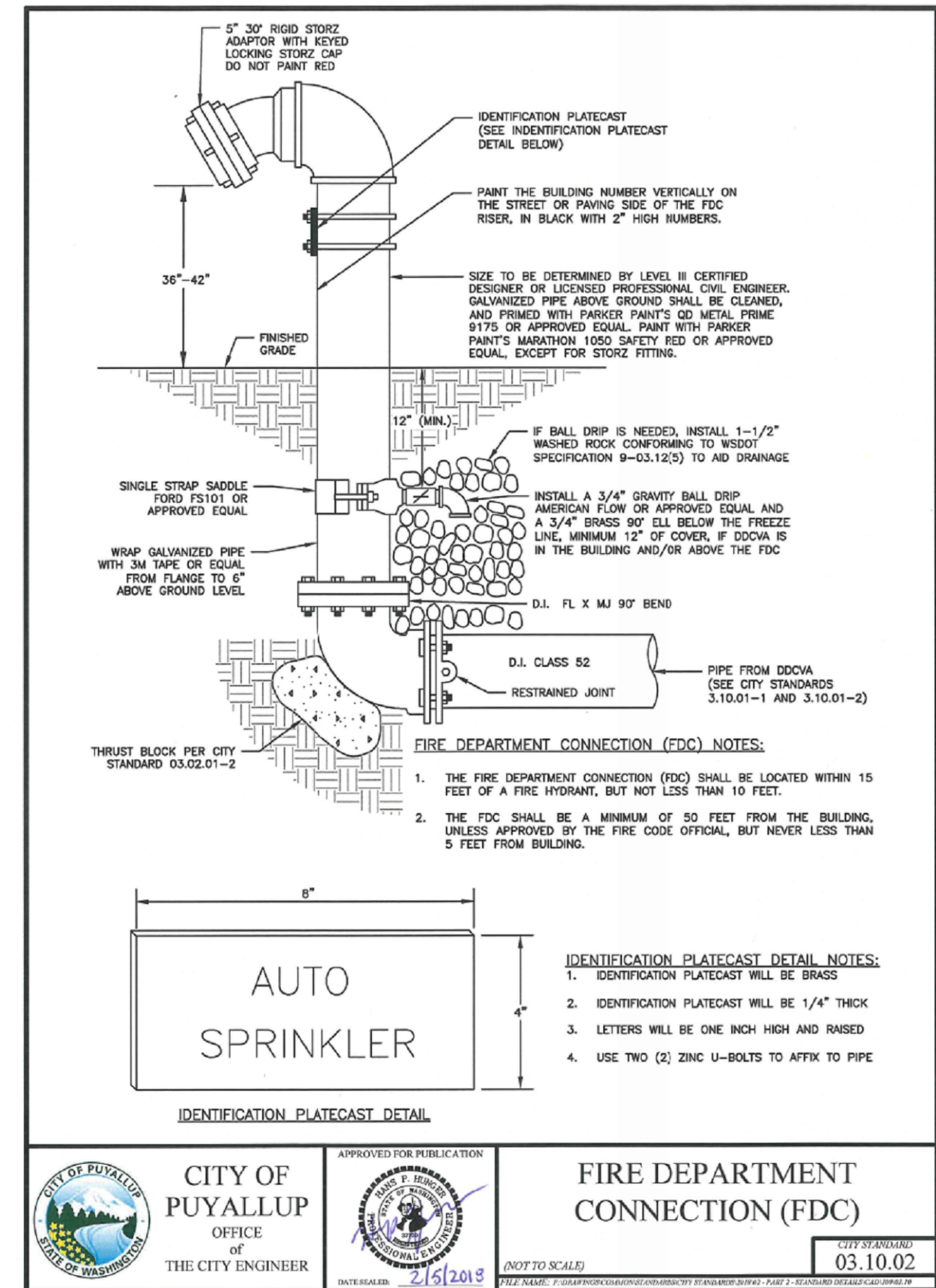
**01 3/4" OR 1" WATER SERVICE**  
SCALE: N.T.S.



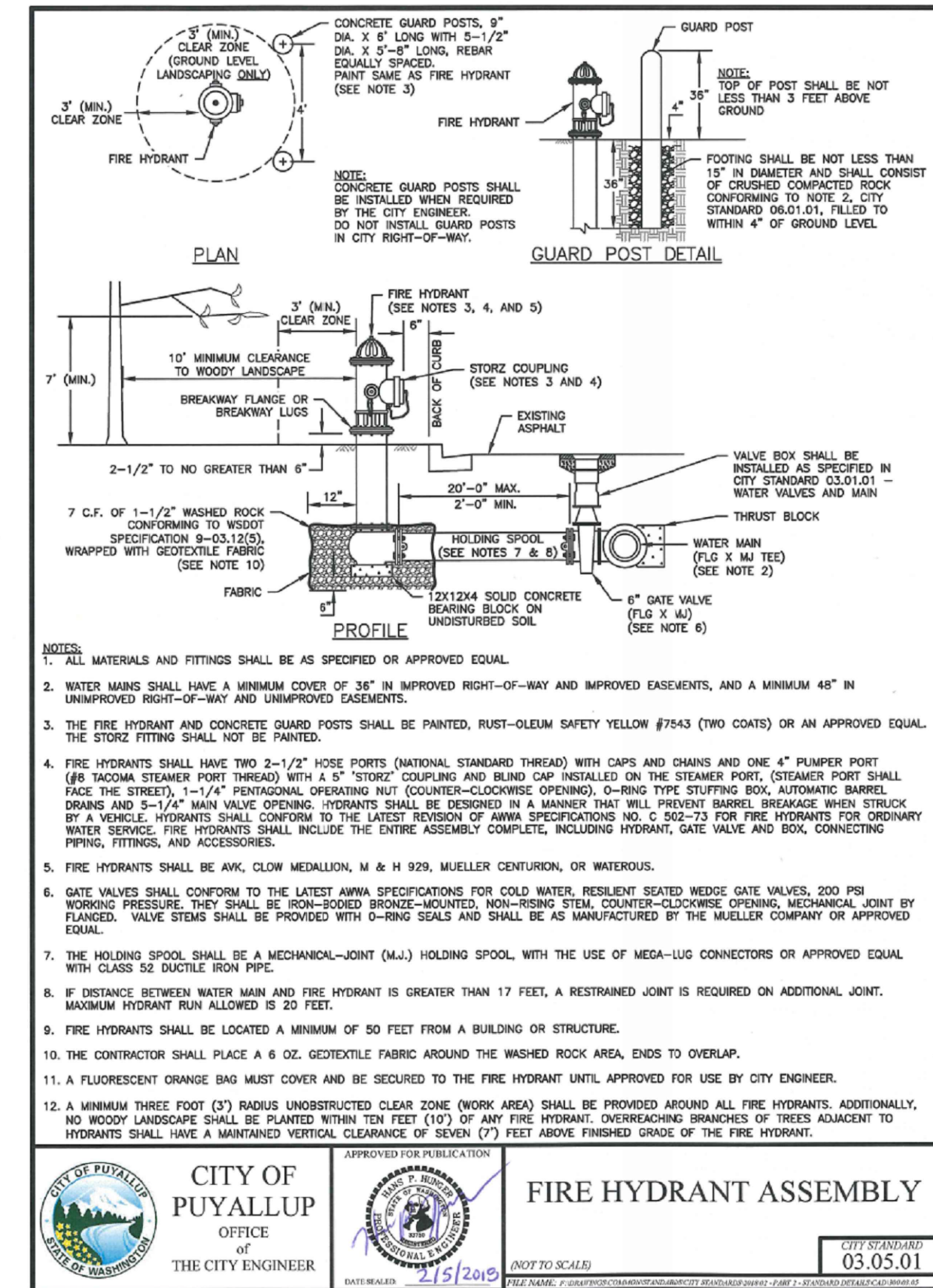
**04 DOUBLE DETECTOR CHECK VALVE INSTALLATION NOTES**  
SCALE: N.T.S.



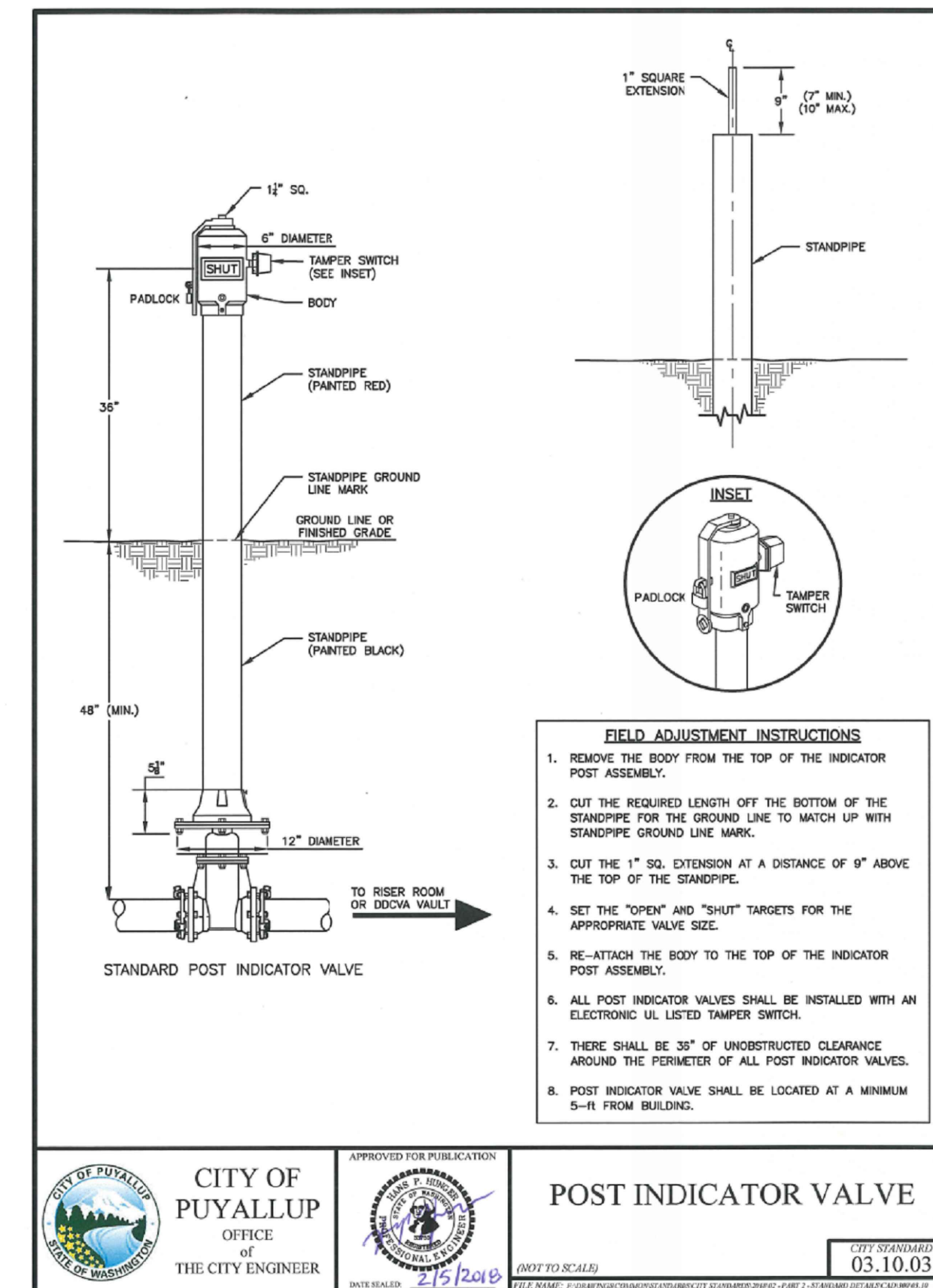
**02 3\"/>**



**05 FIRE DEPARTMENT CONNECTION (FDC)**  
SCALE: N.T.S.



**03 FIRE HYDRANT ASSEMBLY**  
SCALE: N.T.S.

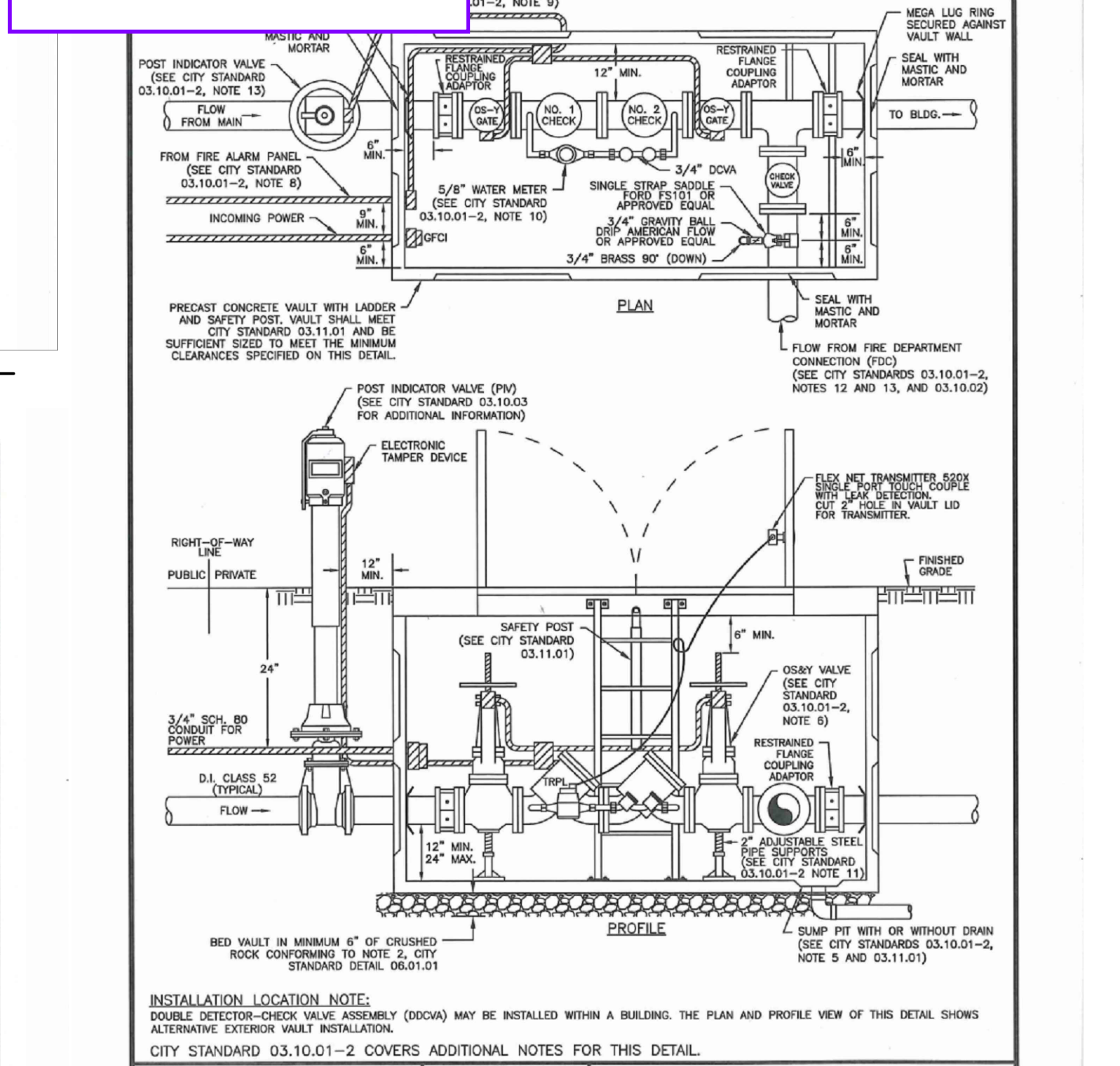
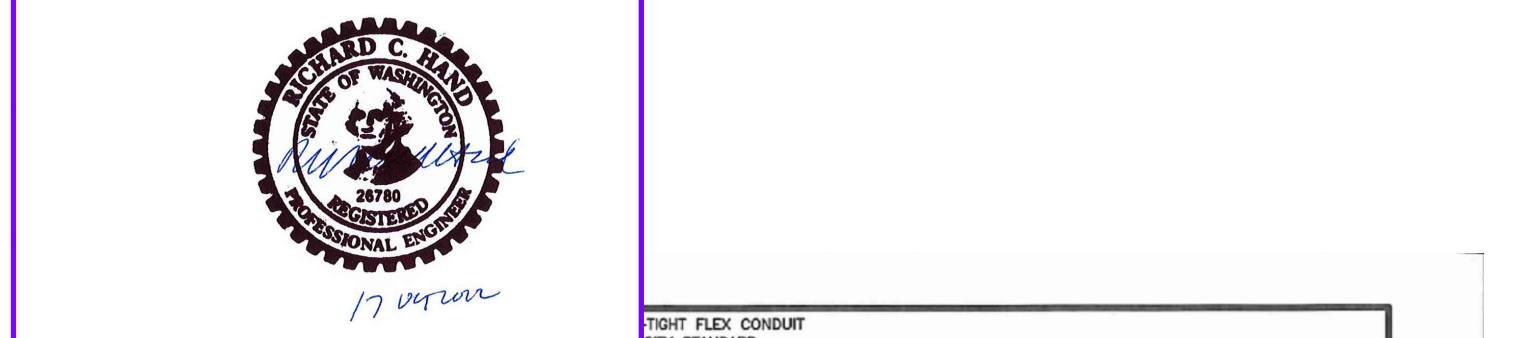


**06 POST INDICATOR VALVE**  
SCALE: N.T.S.

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**811 Call 811**  
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**07 DOUBLE DETECTOR-CHECK VALVE ASSEMBLY**  
SCALE: N.T.S. (DETAIL PROVIDED FOR REFERENCE ONLY. DDCA TO BE LOCATED INSIDE BUILDING.)

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Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK

**BCRA**  
CIVIL 26 OF 32

**PROJECT FOR PUYALLUP SCHOOL DISTRICT**  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

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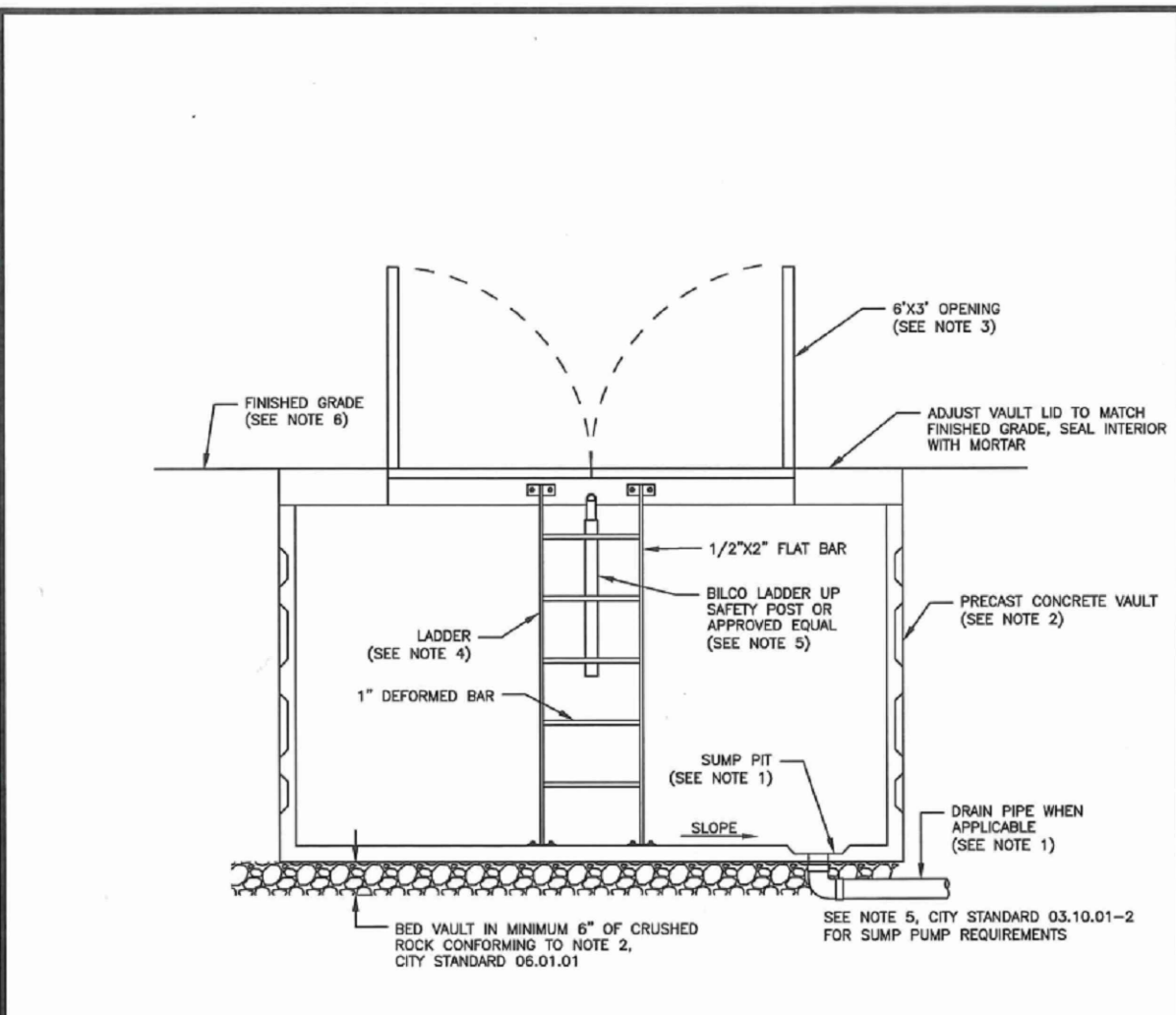
03-16-2020	ADDENDUM 2
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DATE: 02.26.2020  
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DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: WATER UTILITY DETAILS

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CIVIL 26 OF 32

**C4.3**  
CITY RESUBMITTAL





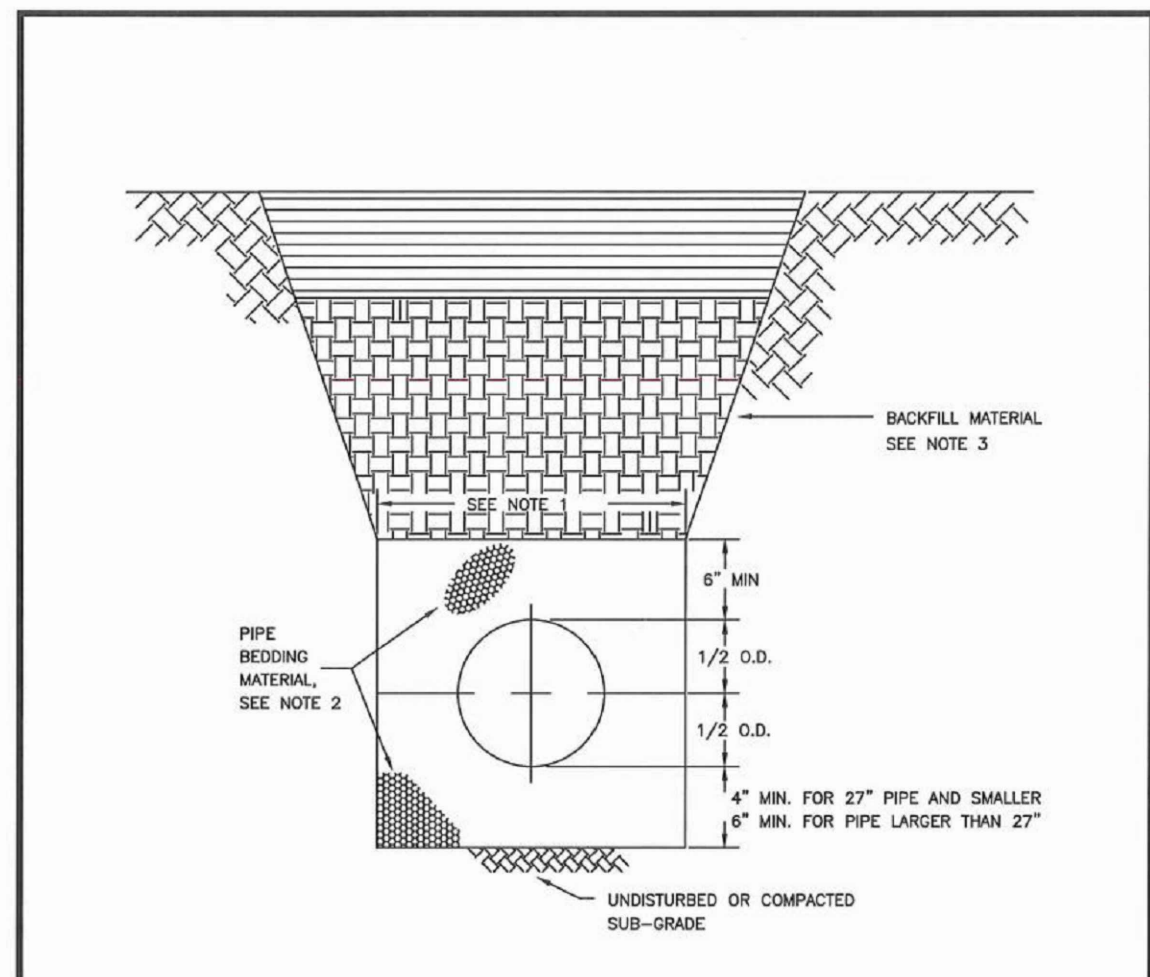
- NOTES:**
- IF POSSIBLE, DRAIN VAULT TO DAYLIGHT OR APPROVED STORM DRAINAGE STRUCTURE (2% MINIMUM SLOPE). VAULT DRAIN SHALL BE 4" SCH 80 PVC PIPE WITH 1/4" GALVANIZED MESH SCREEN OR APPROVED EQUAL ATTACHED TO PIPE INLET AND OUTFALL MASTED AND MORTAR SEAL WHERE DRAIN PIPE PASSES THROUGH SUMP PIT AT FLOOR OF VAULT. WHEN DRAIN IS INFEASIBLE, A SUMP PUMP SHALL BE INSTALLED MEETING THE REQUIREMENTS OF NOTE 5, CITY STANDARD 03.10.01-2.
  - THE VAULT SHALL BE A PRECAST CONCRETE, SIZED TO MEET THE MINIMUM CLEARANCE REQUIREMENTS SHOWN ON DETAILS 03.03.03, 03.01.01, OR 03.10.01-1. VAULT SHALL BE RATED FOR HS-20 LOADING. NO MODIFICATIONS TO PRECAST CONCRETE VAULT WALLS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM PRECAST SUPPLIER AND/OR ENGINEER OF RECORD.
  - REMOVABLE DOORS SHALL BE A MINIMUM OF 6'-0" X 3'-0" ALUMINUM DIAMOND PLATE HINGED LOCKING DOORS, WITH HINGES LOCATED AT EACH END OF OPENING, AND WITH COVERED RECESSED PARALLEL HANDLERS. DOORS SHALL BE SPRING LOADED AND LOCK IN THE OPEN POSITION. DOOR AND FRAME SHALL BE RATED FOR HS-20 LOADING.
  - A GALVANIZED LADDER SHALL BE SET INSIDE THE VAULT FOR ACCESS. IT SHALL BE SECURED TO THE VAULT WITH 1/2" DIA. BOLTS EPOXYED TO THE VAULT LID AND FLOOR.
  - A RILCO LADDER UP SAFETY POST MODEL NO. 2 (OR APPROVED EQUAL) SHALL BE ATTACHED TO AND CENTERED ON THE LADDER STEPS.
  - THE VAULT SHALL BE PLACED IN A UTILITY EASEMENT OUT OF VEHICLE AND PEDESTRIAN TRAFFIC.
  - CAST-IN-PLACE VAULTS SHALL BE PERMITTED BY THE CITY'S BUILDING DIVISION PRIOR TO CONSTRUCTION.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**WATER VAULT DETAILS**

CITY STANDARD 03.11.01

**01 WATER VAULT DETAILS**  
SCALE: N.T.S.



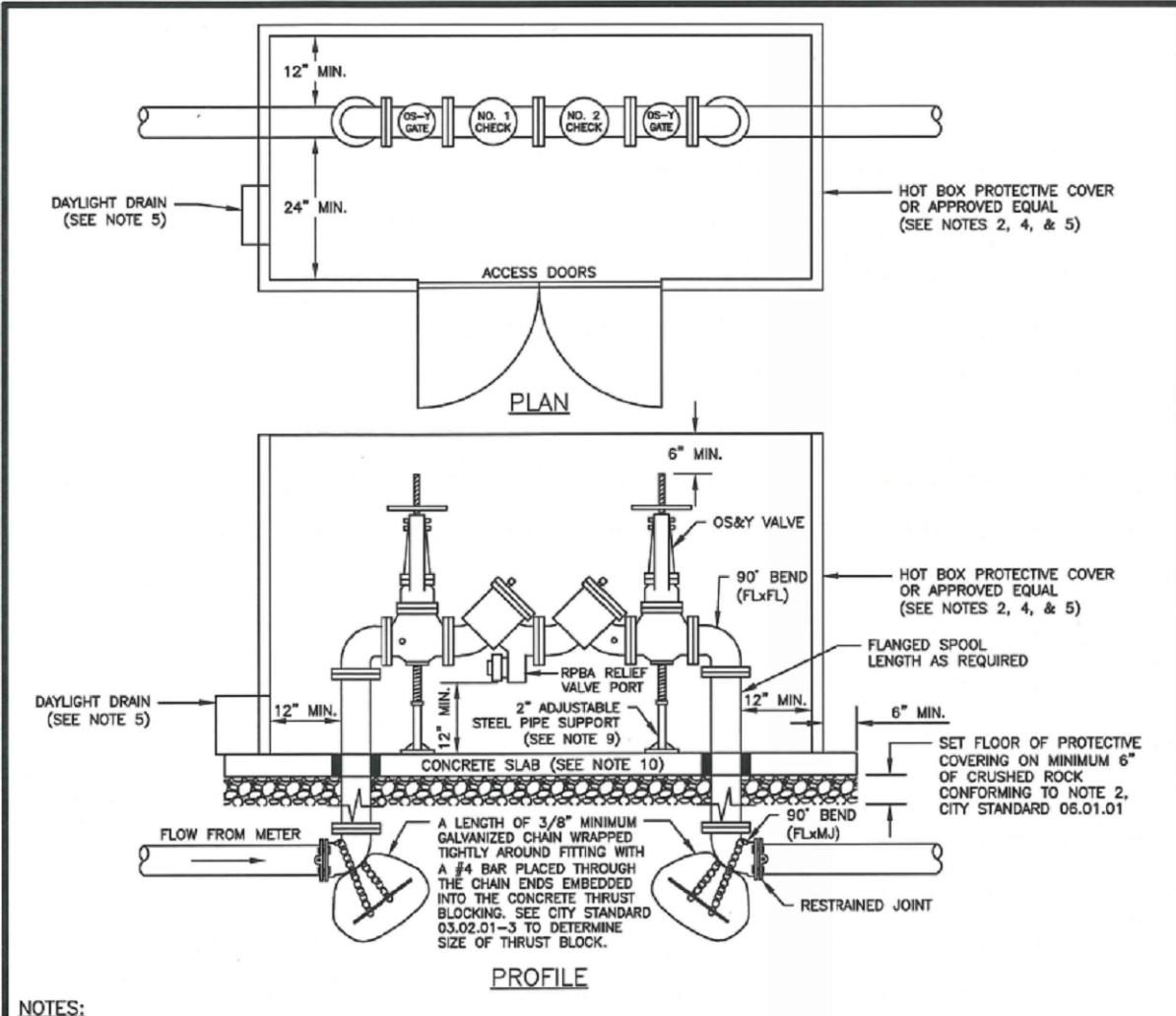
- TRENCHING SHALL MEET THE REQUIREMENTS OF SECTION 7-08.3(1)A AND 2-06.3(1) OF THE RCSD SPECIFICATIONS.
- BEDDING MATERIAL SHALL CONFORM TO 9-03.12(3) GRAVEL BACKFILL FOR PIPE ZONE BEDDING.
- GRAVEL BACKFILL SHALL CONFORM TO 9-03.12(1)A GRAVEL BACKFILL FOR FOUNDATIONS, CLASS A.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**PIPE TRENCHING BEDDING AND BACKFILL**

CITY STANDARD 06.01.01

**02 PIPE TRENCHING BEDDING AND BACKFILL**  
SCALE: N.T.S.



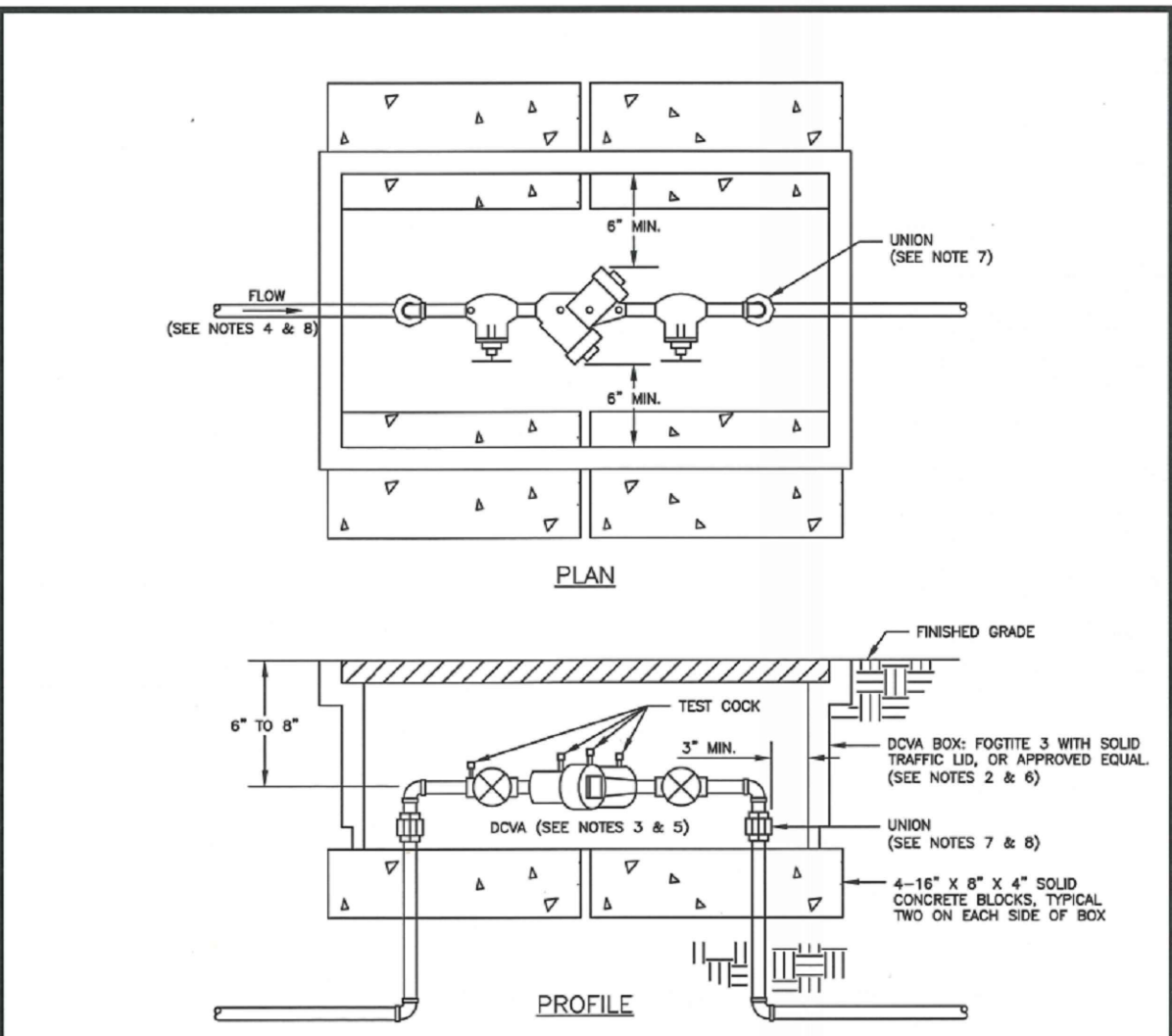
- NOTES:**
- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
  - THE RPBA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98744.
  - THE RPBA SHALL NOT BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
  - THE RPBA SHALL NOT BE INSTALLED IN A PIT BELOW GROUND LEVEL.
  - THE PROTECTIVE COVERING FOR THE RPBA, WHICH PROTECTS THE ASSEMBLY FROM FREEZING, MUST INCLUDE A DAYLIGHT DRAIN. THE DRAIN MUST BE INSTALLED ABOVE GROUND OR ABOVE THE MAXIMUM FLOODING LEVEL. THE DRAIN MUST BE A MINIMUM OF 1/2" ABOVE THE SIZE OF THE RPBA. IT IS TO BE ABLE TO HANDLE THE VOLUME OF WATER THAT POTENTIALLY COULD BE DISCHARGED FROM THE RELIEF VALVE PORT.
  - THE RPBA SHALL BE SIZED EQUAL OR COMPARABLE TO THE METER SIZE.
  - THE RPBA SHALL BE LOCATED IMMEDIATELY DOWN STREAM OF THE METER, AND NOT BE INSTALLED INSIDE OF A BUILDING, DUE TO THE SPHERE OF INFLUENCE OF THE WATER THAT POTENTIALLY COULD BE DISCHARGED FROM THE RELIEF VALVE PORT DURING A FLOODED CHECK VALVE SITUATION.
  - ALL ELECTRICAL SHALL BE INSPECTED BY A WASHINGTON STATE ELECTRICAL INSPECTOR.
  - PIPE SUPPORTS SHALL BE RUST-PROTECTED WITH ALUMINUM PAINT.
  - POUR A 4 INCH CONCRETE SLAB FOR RPBA PROTECTIVE COVER. PROVIDE A 2 INCH ANNULAR SPACE BETWEEN THE PIPE AND FLOOR. EXTEND THE CONCRETE SLAB 6 INCHES BEYOND THE PROTECTIVE COVERING TO PROVIDE ADEQUATE ANCHORING.
  - PROVIDE FREEZE PROTECTION AS DIRECTED BY OWNER.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**3" AND ABOVE REDUCED PRESSURE BACKFLOW ASSEMBLY INSTALLATION**

CITY STANDARD 03.04.03

**03 3" AND ABOVE RPBA INSTALLATION**  
SCALE: N.T.S.



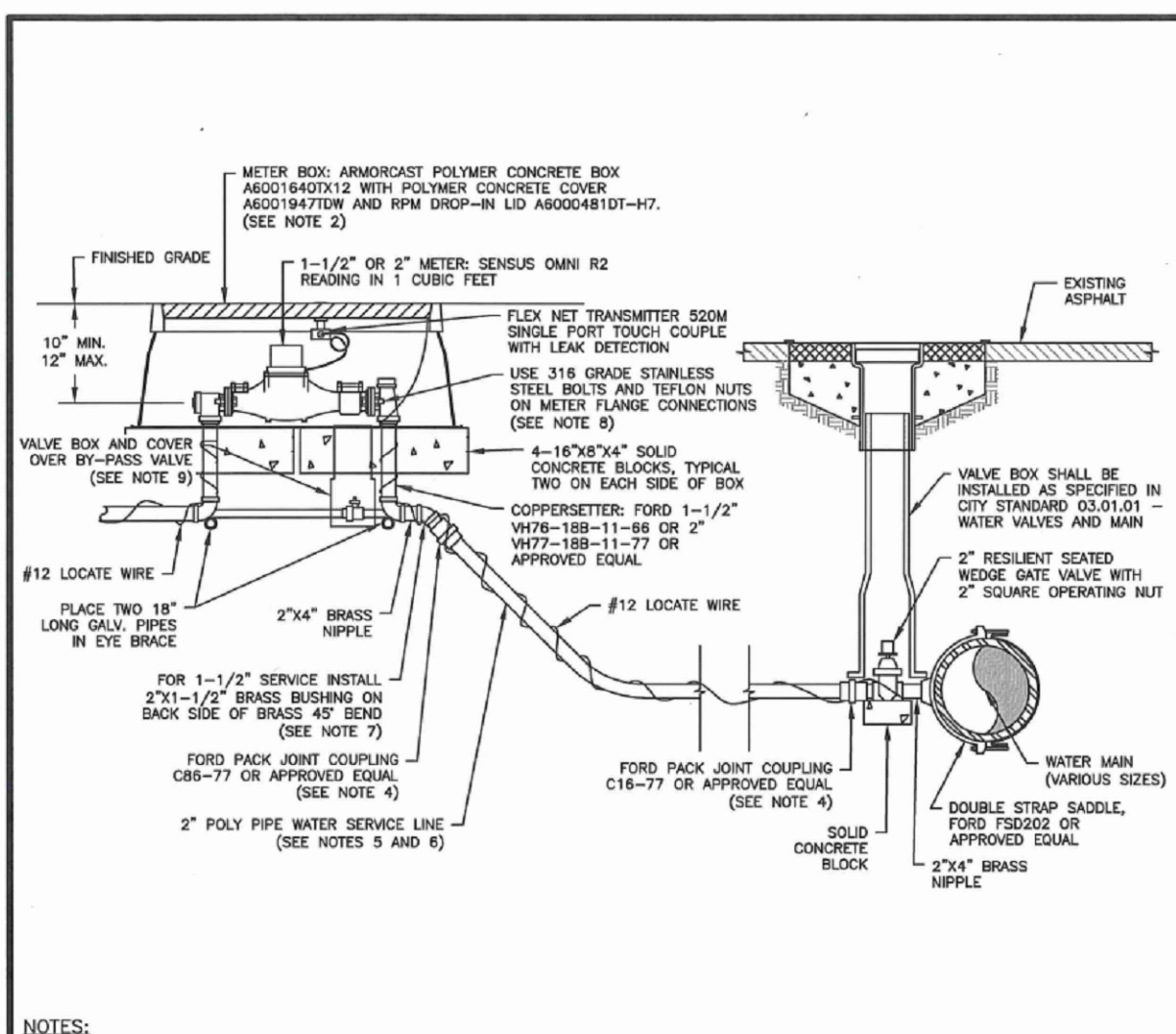
- NOTES:**
- BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
  - THE DCVA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98744.
  - DCVA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
  - DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER. WHEN IRRIGATION SYSTEM IS CONNECTED OFF DOMESTIC WATER LINE, IRRIGATION DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
  - DCVA SHALL BE SIZED EQUAL OR COMPARABLE TO METER SIZE.
  - METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A H-20 LOADING.
  - DIELECTRIC UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
  - USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DCVA.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**2" AND SMALLER DCVA INSTALLATION**

CITY STANDARD 03.04.01

**04 2" AND SMALLER DCVA INSTALLATION**  
SCALE: N.T.S.



- NOTES:**
- ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
  - NORMALLY THE WATER METER BOX SHOULD BE LOCATED IN THE PLANTING STRIP. IF SIDEWALK IS AGAINST THE CURB, PLACE METER BOX DIRECTLY BEHIND THE SIDEWALK. THE WATER METER BOX SHALL NOT BE LOCATED IN HARD SURFACES. WHEN UNAVOIDABLE, EXCEPTIONS CAN BE MADE AT END OF CUL-DE-SACS OR PAN HANDLED LOTS.
  - WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
  - ALL POLY PIPE COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
  - THE WATER SERVICE LINE SHALL BE BEDDED IN WASHED SAND WITH 36" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.
  - ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SER 7, BLUE IN COLOR, 200 PSI MINIMUM.
  - FOR A 1-1/2" WATER SERVICE, ALL MATERIAL SHALL BE 2" FROM THE WATER MAIN TO THE COPPERSETTER. REDUCE FROM 2" TO 1-1/2" IMMEDIATELY BEFORE COPPERSETTER.
  - THE STAINLESS STEEL METEER FLANGE BOLTS SHALL BE 5/8" DIAMETER FOR THE 1-1/2" METER, AND 3/4" DIAMETER FOR THE 2" METER.
  - PROVIDE A 6" CIRCULAR VALVE BOX WITH COVER (APPLIED ENGINEERING PRODUCT MODEL 708 WITH GREEN LID OR AN APPROVED EQUAL) OVER BY-PASS VALVE.

**CITY OF PUYALLUP**  
OFFICE OF THE CITY ENGINEER

**1-1/2" AND 2" WATER SERVICE CONNECTION**

CITY STANDARD 03.03.02

**05 1-1/2" AND 2" WATER SERVICE CONNECTION**  
SCALE: N.T.S.

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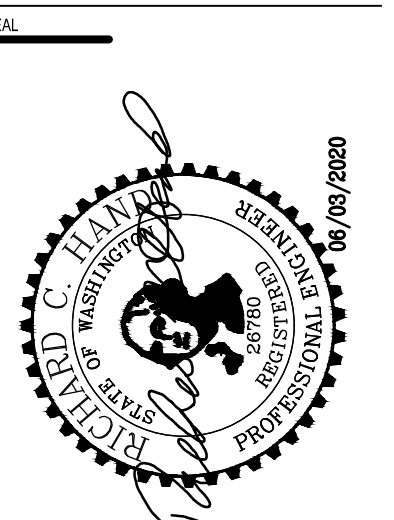
**APPROVED**  
BY: *[Signature]*  
FRUITLAND MUTUAL WATER COMPANY  
DATE: 9 Jun 20

**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. WATER PURVEYOR WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE WATER PURVEYOR.

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two business days before you dig



PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98737

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: WATER UTILITY DETAILS AND NOTES

**SITTS & HILL ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.: 18,328 | Project Mgr.: RCH  
Proj. Engineer: VMS | Proj. Drafter: KLK

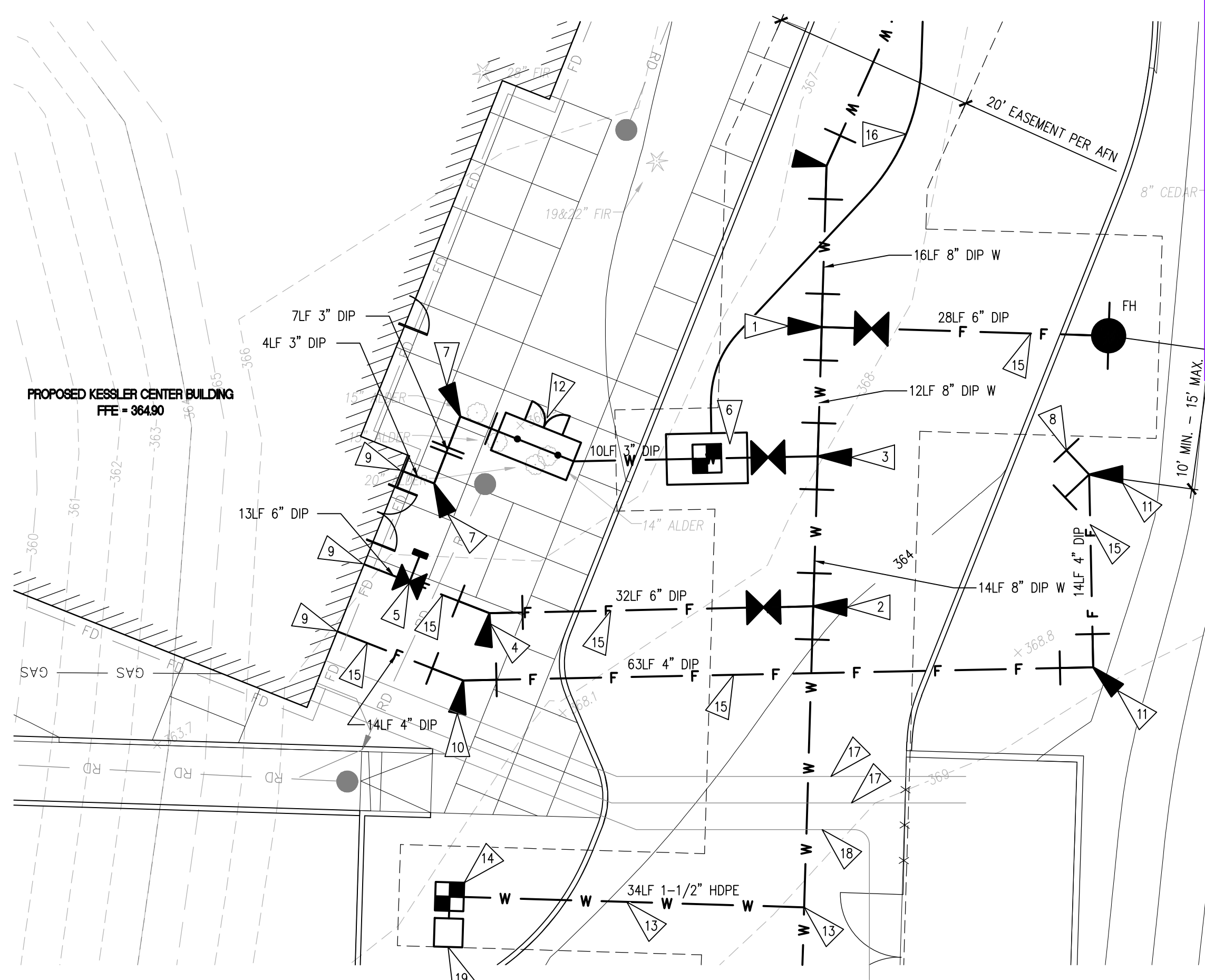
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SHEET: CIVIL 27 OF 32

**C4.4**  
CITY RESUBMITTAL

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### KEY NOTES

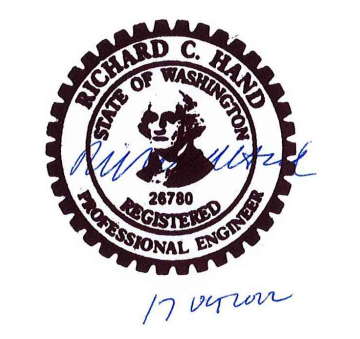
- 1 PROVIDE:  
1 - 8"x6" MJxFL TEE  
1 - 6" FLxMJ GATE VALVE  
1 - FH ASSEMBLY  
1 - THRUST BLOCK
- 2 PROVIDE:  
1 - 8"x6" MJxFL TEE  
1 - 6" FLxMJ GATE VALVE  
1 - THRUST BLOCK
- 3 PROVIDE:  
1 - 8"x3" FL TEE  
1 - 3" FLxMJ GATE VALVE  
1 - 8" FLxMJ GATE VALVE  
1 - 8" FCA  
1 - THRUST BLOCK
- 4 PROVIDE:  
1 - 6" - 22.5" MJ ELL  
1 - THRUST BLOCK
- 5 PROVIDE:  
6" MJ INDICATOR VALVE  
PER DETAIL 6/C4.3
- 6 PROVIDE:  
3" WATER METER  
1 - OLD CASTLE 676-LA VAULT  
& 676-1-T-332P VAULT TOP  
PER DETAILS 2/C4.3, 1/C4.4,  
AND 4/C4.3  
PROVIDE:  
SUMP PUMP PER DETAILS  
04/C4.3 AND 01/C4.4.  
COORDINATE WITH ELECTRICAL  
FOR POWER REQUIREMENTS.
- 7 PROVIDE:  
1 - 3" - 90" MJ ELL  
1 - THRUST BLOCK
- 8 PROVIDE:  
4" FIRE DEPARTMENT CONNECTION  
PER DETAIL 5/C4.3
- 9 PROVIDE:  
COORDINATE CONNECTION TO  
BUILDING WITH MECHANICAL
- 10 PROVIDE:  
1 - 4" - 22.5" MJ ELL  
1 - THRUST BLOCK
- 11 PROVIDE:  
1 - 4" - 90" ELL  
1 - THRUST BLOCK
- 12 PROVIDE:  
1 - 3"REDUCED PRESSURE  
BACKFLOW ASSEMBLY PER DETAIL  
03/C4.4  
1 - CONCRETE PAD  
1 - SAFE-T-COVER ENCLOSURE  
"HOT BOX" MODEL 400D-AL OR  
EQUAL. COORDINATE WITH  
ELECTRICAL FOR POWER  
REQUIREMENTS.
- 13 PROVIDE 1-1/2" IRRIGATION  
SERVICE PER DETAIL 05/C4.4.
- 14 PROVIDE 1-1/2" METER AND BOX  
PER DETAIL 05/C4.4.
- 15 PROVIDE FIELD-LOK GASKETS IN  
ALL PIPE JOINTS.
- 16 1" SCH40 PVC SUMP PUMP  
DISCHARGE LINE. 2' COVER MIN.
- 17 4" CHILLED WATER PIPING TO SERVICE YARD. SEE  
MECHANICAL. DEFLECT PROPOSED WATER MAIN TO  
AVOID VERTICAL CONFLICT. PROVIDE VERTICAL  
CLEARANCES PER DETAILS 02 & 03/C4.2.
- 18 1" GAS LINE TO SERVICE YARD. SEE MECHANICAL.  
DEFLECT PROPOSED WATER MAIN TO AVOID  
VERTICAL CONFLICT. PROVIDE VERTICAL  
CLEARANCES PER DETAILS 02 & 03/C4.2.
- 19 PROVIDE 1-1/2" IRRIGATION DCVA PER DETAIL  
04/C4.4. SEE ALSO LANDSCAPE PLANS.



**01 ENLARGED UTILITY PLAN**  
SCALE: 1"=10'

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

DELETED WATER MAIN, FH AND METER INSTALLATION LOCATED WITHIN THE WATER EASEMENT FROM CONTRACT WORK. WATER SYSTEM MATERIALS AND INSTALLATION BY FRUITLAND WATER AND/OR THEIR CONTRACTOR. WATER AND FIRE SERVICES BETWEEN THE METER AND BUILDING BY DISTRICT CONTRACTOR.

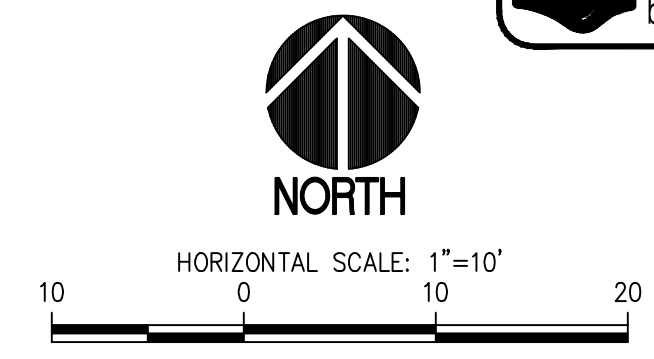


**FIRE HYDRANT/FDC LOCATION/FDC'S APPROVED**  
BY: *Ray C. Hill*  
CITY OF PUYALLUP  
FIRE CODE OFFICIAL  
DATE: June 9, 2020  
**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE FIRE CODE OFFICIAL.

**APPROVED**  
BY: *John M. ...*  
FRUITLAND MUTUAL WATER COMPANY  
DATE: 9 Jun 20  
**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. WATER PURVEYOR WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE WATER PURVEYOR.

**APPROVED**  
BY: *John M. ...*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

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two business days before you dig



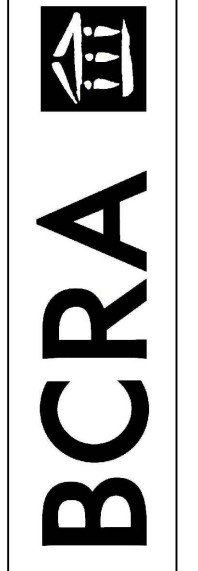
### LEGEND

- PROPOSED FEATURES-**
- W — WATER PIPING
  - F — FIRE WATER PIPING
  - W with fitting symbol — WATER FITTING W/THRUST BLOCKS
  - X — GATE VALVE
  - M — WATER METER
  - P — POST INDICATOR VALVE
  - FD — FIRE DEPARTMENT CONNECTION
  - FD with circle — FIRE HYDRANT

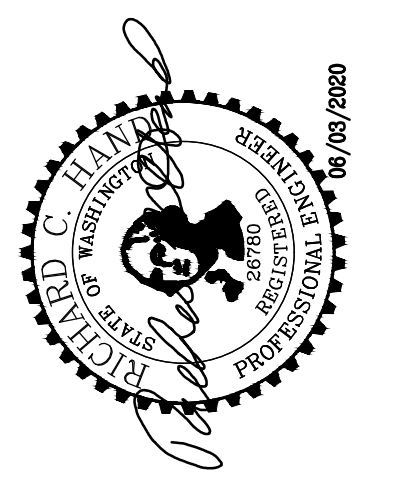
### GENERAL NOTES

- THE WATER SYSTEM SHALL BE CONSTRUCTED TO CURRENT CITY OF PUYALLUP (FIRE) AND FRUITLAND MUTUAL WATER COMPANY STANDARDS.
- TYPICAL UTILITY TRENCH EXCAVATION, BEDDING AND BACKFILL SHALL COMPLY WITH CITY STANDARD DETAIL 06.01.01 REQUIREMENTS (SEE DETAIL 02/C4.4).
- ADJUST OR SET THE FRAMES OF EXISTING AND PROPOSED UTILITY GRATES AND COVERS AS NECESSARY TO MATCH THE CROSS SLOPE OF THE PROPOSED FINISH GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITY GRATES AND COVERS.
- ALL WATER AND FIRE WATER PIPING 3" AND LARGER SHALL BE THRUST BLOCKED PER DETAILS 4-6/C4.2. 3" THRUST BLOCKS SHALL MATCH 4" SIZES.
- ALL WATER AND FIRE WATER FITTINGS 3" AND LARGER SHALL HAVE MEGALUG RESTRAINED JOINTS.
- COMPLY WITH WATERMAIN CLEARANCE REQUIREMENT IN DETAILS 2 & 3/C4.2.
- FH INSTALLATIONS SHALL CONFORM TO DETAIL 3/C4.3 REQUIREMENTS.
- COMPLY WITH WATER NOTE REQUIREMENTS ON C4.4.
- PROVIDE WATER VALVE INSTALLATIONS PER DETAIL 1/C4.2 REQUIREMENTS.
- PROVIDE 3'-0" MINIMUM COVER OVER PIPELINE UNLESS OTHERWISE SPECIFIED.
- FRUITLAND MUTUAL WATER COMPANY JURISDICTION ENDS AT METER/SERVICE AND FIRE LINE ISOLATION VALVE.
- COORDINATE WITH FIRE SPRINKLER / MECHANICAL DRAWING REQUIREMENTS FOR FIRE SPRINKLER PIPELINE INSTALLATION REQUIREMENTS WITHIN 5' OF BUILDING.
- FOR INSTALLATION ON SYSTEMS WITH FIRE PUMP(S), THE FIRE DEPARTMENT CONNECTION (FDC) SHALL BE MADE ON THE SPRINKLER SIDE OF THE DISCHARGE CHECK VALVE OF THE FIRE PUMP.

DELETED WATER MAIN, FH AND METER INSTALLATION LOCATED WITHIN THE WATER EASEMENT FROM CONTRACT WORK. WATER SYSTEM MATERIALS AND INSTALLATION BY FRUITLAND WATER AND/OR THEIR CONTRACTOR. WATER AND FIRE SERVICES BETWEEN THE METER AND BUILDING BY DISTRICT CONTRACTOR.



T 252.697.4037 F 252.697.4386 WWW.BCRADESIGN.COM  
2108 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402



PROJECT  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: ENLARGED UTILITY PLAN

**SITTS & HILL ENGINEERS, INC.**  
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http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

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SHEET CIVIL 28 OF 32

**C4.5**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

CATEGORY IV WETLAND BOUNDARY  
50' WETLAND BUFFER BOUNDARY

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APPROVED  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.



**811 Call 811**  
two business days before you dig



HORIZONTAL SCALE: 1"=30'  
30 0 30 60

**LEGEND**

- PROPOSED FEATURES:**
- SS — SANITARY SEWER PIPING
  - SANITARY SEWER CLEANOUT, SEE DETAIL 03/C5.3
  - SANITARY SEWER MANHOLE, SEE DETAILS 01 & 02/C5.3
  - FM — SANITARY SEWER FORCE MAIN

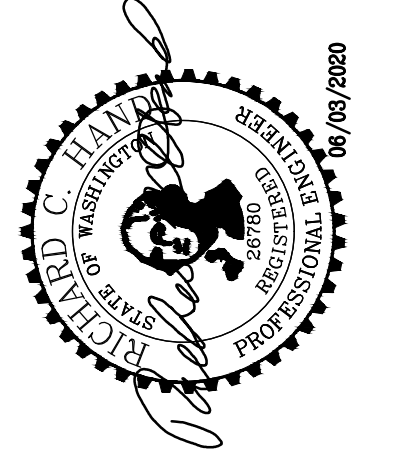
**GENERAL NOTES**

1. TYPICAL UTILITY TRENCH EXCAVATION, BEDDING AND BACKFILL SHALL COMPLY WITH CITY STANDARD DETAIL 06.01.01 REQUIREMENTS (SEE DETAIL 01/C5.3).
2. ADJUST OR SET THE FRAMES OF EXISTING AND PROPOSED UTILITY GRATES AND COVERS AS NECESSARY TO MATCH THE CROSS SLOPE OF THE PROPOSED FINISH GRADE AND SUCH THAT NO PONDING OCCURS AROUND UTILITY GRATES AND COVERS.
3. THE MINIMUM DISTANCE BETWEEN WATER LINES AND SEWER LINES SHALL BE 10 FEET HORIZONTALLY AND 18 INCHES VERTICALLY. IF THIS CRITERION CANNOT BE MET, THE CONTRACTOR SHALL ISOLATE THE SEWER AND WATER LINES BY ENCASEMENT, SHIELDING, OR OTHER APPROVED METHODS.
4. COMPLY WITH CITY STANDARD SEWER NOTES ON C5.3.
5. SANITARY SEWER FORCE MAIN PIPING SHALL BE DR 11, FUSED OR ELECTRO FUSION WELDED, DE-BEAD PIPELINE INTERIOR.

**KEY NOTES**

1. COORDINATE EXACT LOCATION OF BUILDING CONNECTION AND ASSOCIATED CLEANOUT WITH MECHANICAL.
2. PROVIDE SANITARY SEWER CROSSING ENCASEMENT PER DETAILS 02/C4.2 AND 03/C4.2.
3. PROVIDE 4" SANITARY SEWER FORCE MAIN CONNECTION.
4. ROLL 45° ELBOW TO MEET REQUIRED GRADES.
5. PROVIDE CONCRETE ENCASEMENT PER DETAIL 02 & 03/C4.2.
6. COORDINATE WITH SANITARY SEWER FORCE MAIN REQUIREMENTS ON SHEET C1.4.

**BCRA**  
1750 697 4037 F 253 627 4386 WWW.BCRAENGINEERS.COM  
2100 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402



PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
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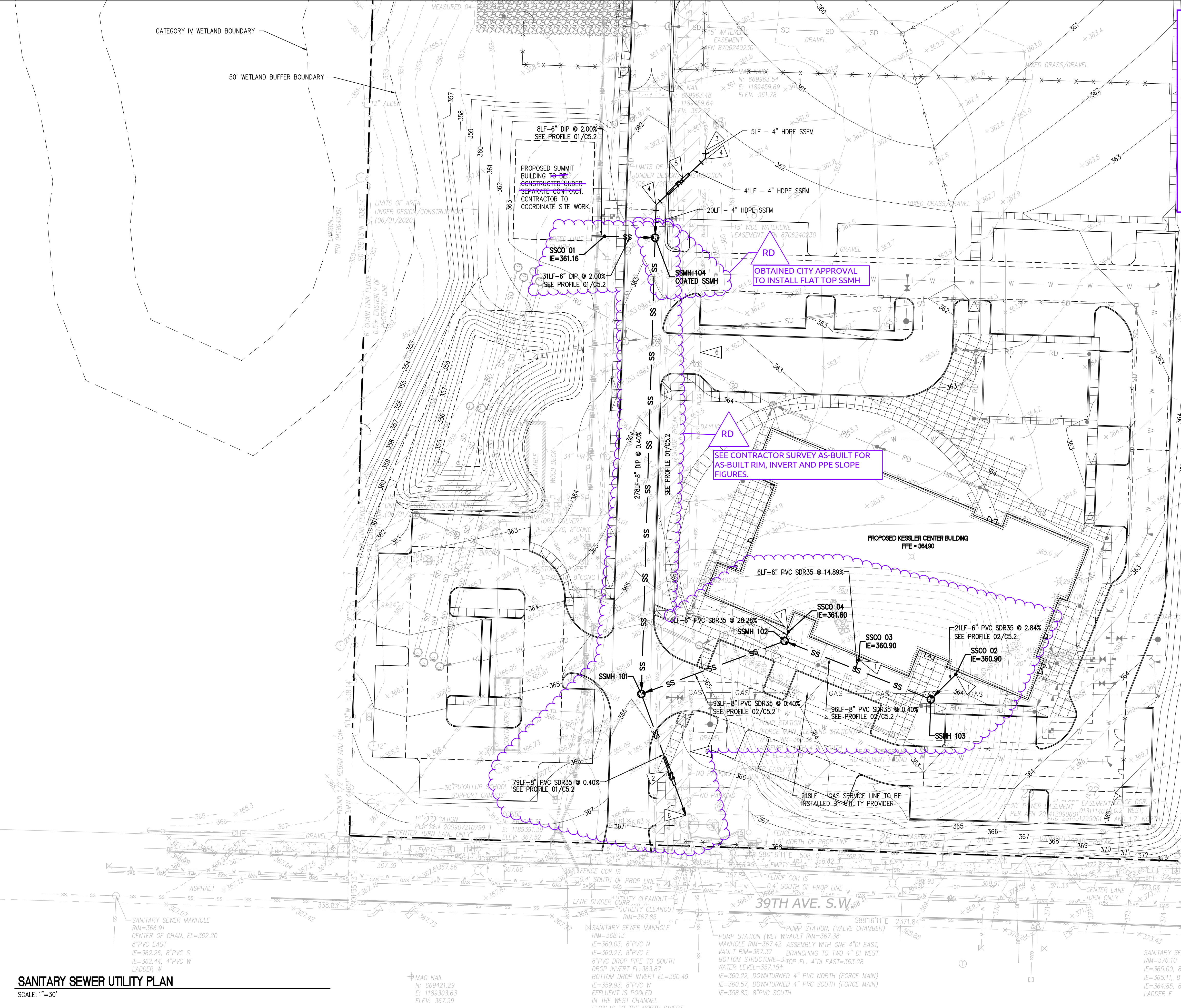
DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: **SANITARY SEWER UTILITY PLAN**

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SHEET: CIVIL 29 OF 32

**C5.1**  
CITY RESUBMITTAL

**SITTS & HILL ENGINEERS, INC.**  
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Project No.: 18,328 Project Mgr.: RCH  
Proj. Engineer: VMS Proj. Drafter: KLK



**SANITARY SEWER UTILITY PLAN**  
SCALE: 1"=30'

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

CATEGORY IV WETLAND BOUNDARY

50' WETLAND BUFFER BOUNDARY

APPROVED

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ENGINEERING SERVICES

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30 0 30 60

**LEGEND**

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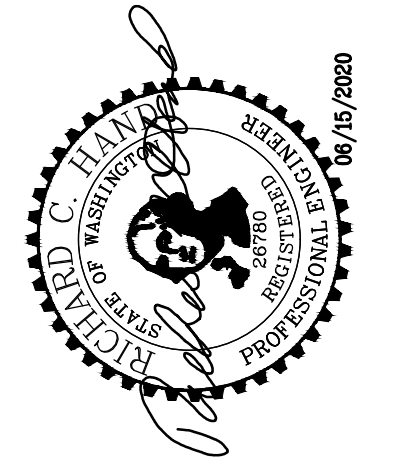
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6. COORDINATE WITH SANITARY SEWER FORCE MAIN REQUIREMENTS ON SHEET C1.4.

RFI-111 - R. Hand spoke with Michael Rosenau about the flat top and cone section options and their respective details. The City does allow a flat top SSMH for private sewer installations. After consideration, provide a flat top SSMH versus a cone section SSMH. Provide Kor-N-Seal boots at all pipe penetrations into SSMH. The attached sketch communicates the details.



RFI-111 11/13/20

SUPER CONFORMED SET DATE: 02/26/2020  
Please note that Addendum 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

PROJECT: FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
04-03-2020	CONFORMED SET
03-20-2020	ADDENDUM 4
05-21-2020	PERMIT RESPONSE
06-15-2020	CONFORMED SET

DATE: 02.26.2020

BCRA NO.: 18103

DRAWN BY:

REVIEWED BY:

SHEET TITLE:

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SHEET: CIVIL 29 OF 32

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PHONE: (253) 474-9449 | FAX: (253) 474-0153

http://www.sittshill.com/

Project No.: 18,328 Project Mgr.: RCH

Proj. Engineer: VMS Proj. Drafter: KLK

**C5.1**

CONFORMED SET

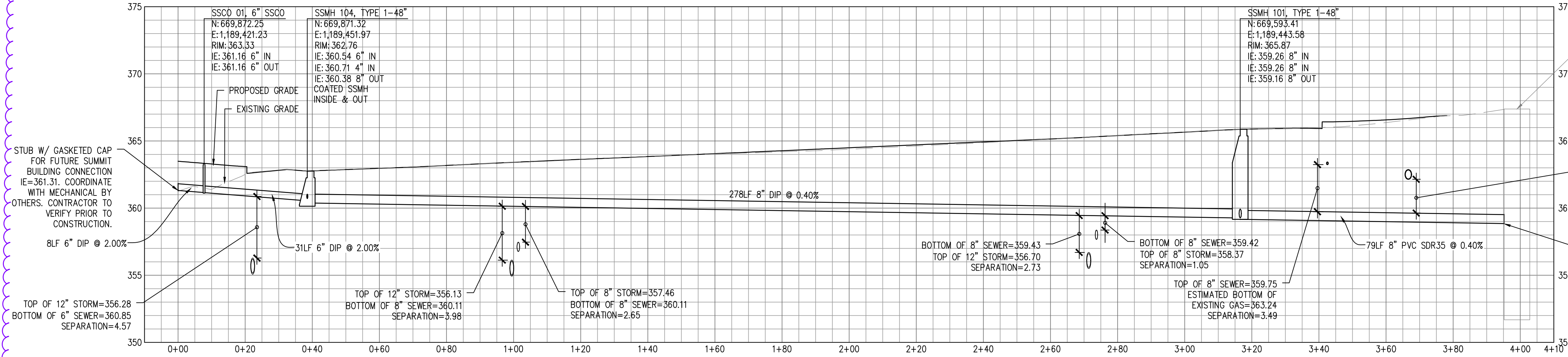
IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY

**SANITARY SEWER UTILITY PLAN**

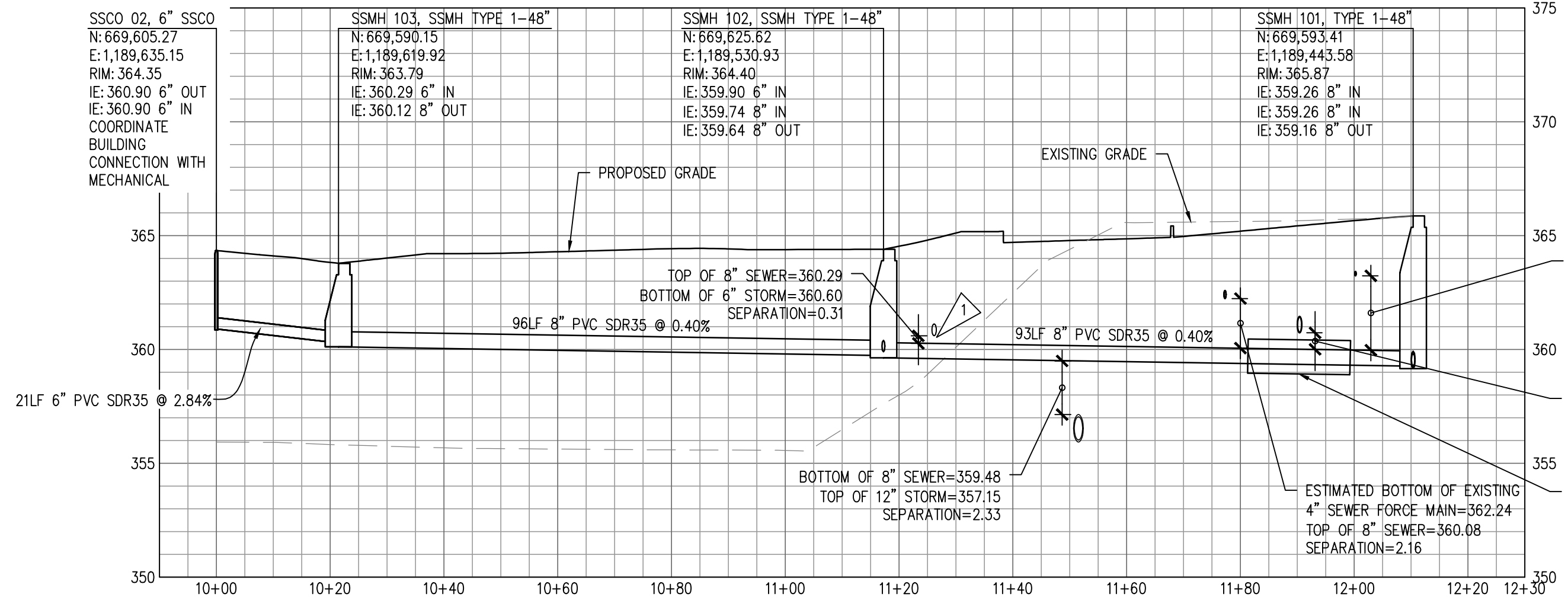
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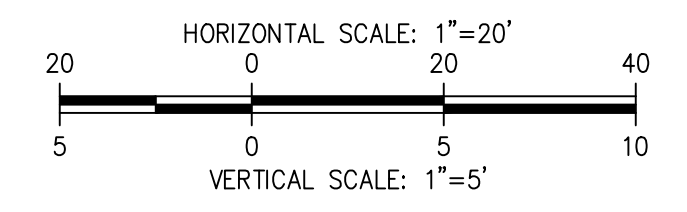




**01 SEWER PROFILE**  
SCALE: H: 1"=20' V: 1"=5'

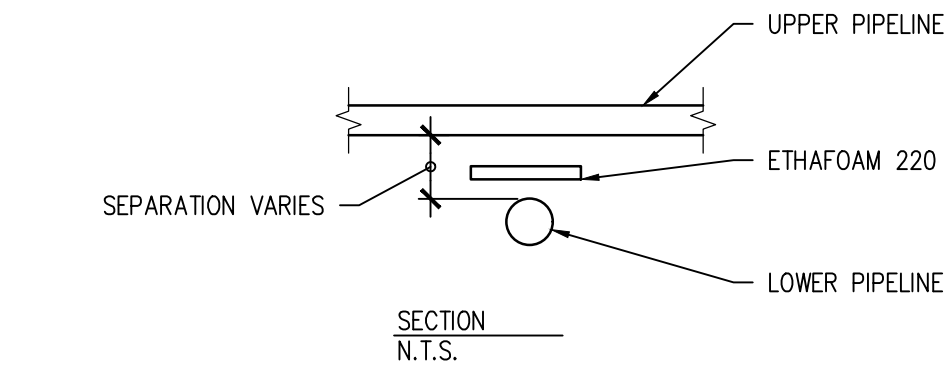


**02 SEWER PROFILE**  
SCALE: H: 1"=20' V: 1"=5'



**KEY NOTES**

1 PROVIDE 1 - 3" THICK X 48" WIDE X 108" LONG SHEET OF ETHAFOAM 220 BETWEEN THE PIPELINES IN SAND BEDDING.



**RD** SEE CONTRACTOR SURVEY AS-BUILT FOR AS-BUILT RIM, INVERT AND PPE SLOPE FIGURES.

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.

**APPROVED**  
BY: *[Signature]*  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**Call 811**  
two business days before you dig

**BCRA**

PROJECT:  
FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: **SANITARY SEWER PROFILES**

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SHEET: CIVIL 30 OF 32

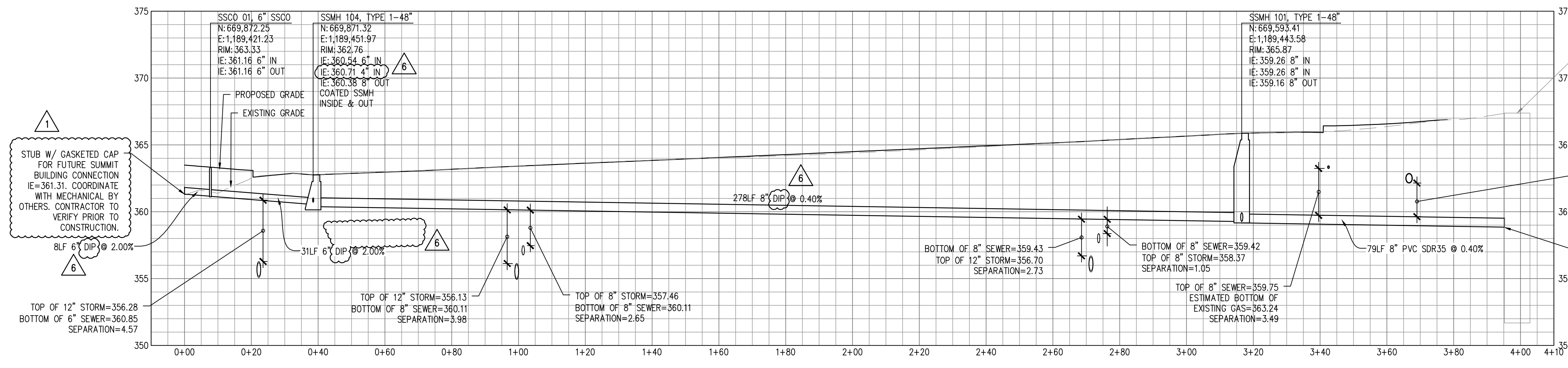
**C5.2**  
CITY RESUBMITTAL

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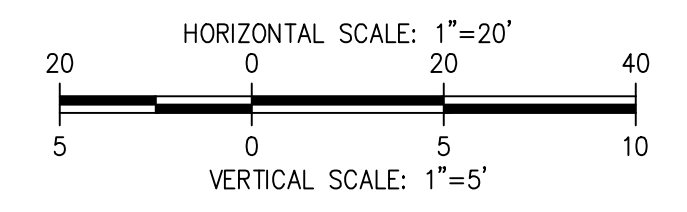
Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

22/34 07/20/18 8:08:54 AM

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



**01 SEWER PROFILE**  
SCALE: H: 1"=20' V: 1"=5'



EXISTING PUMP STATION (WET WELL)  
MANHOLE RIM=367.42  
VAULT STRUCTURE=351.67  
WATER LEVEL=357.15±  
IE=360.22, DOWNTURNED 4" PVC NORTH (FORCE MAIN)  
IE=360.57, DOWNTURNED 4" PVC SOUTH (FORCE MAIN)  
IE=358.85, 8" PVC SOUTH  
TOP OF 8" SEWER=359.65  
ESTIMATED BOTTOM OF EXISTING 8" WATER=362.14  
SEPARATION=2.49

TIE INTO EXISTING PUMP STATION VAULT AT IE=358.85  
PROVIDE LOW DROP LINE SEAL.  
CONTRACTOR TO COORDINATE CONNECTION WITH CITY OF PUYALLUP.

**APPROVED**

BY \_\_\_\_\_  
CITY OF PUYALLUP  
ENGINEERING SERVICES

DATE \_\_\_\_\_

**NOTE:** THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE.  
THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS.  
FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
two business days before you dig

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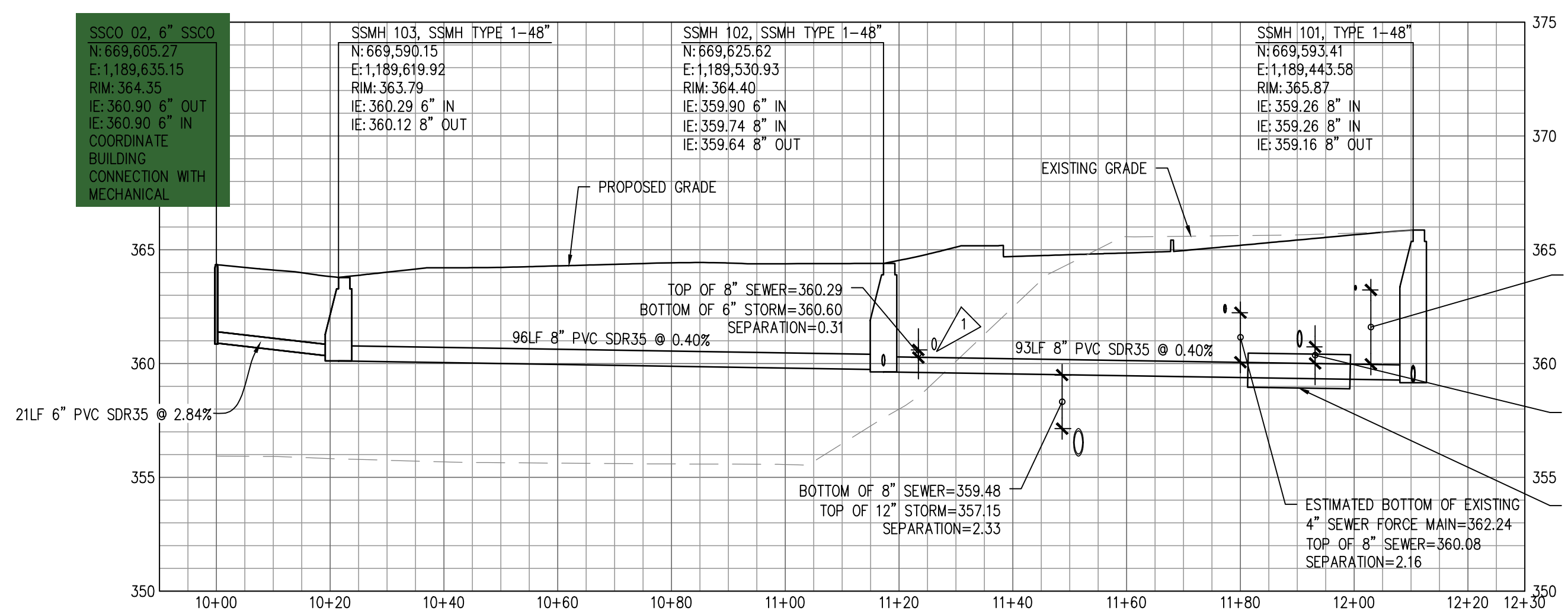
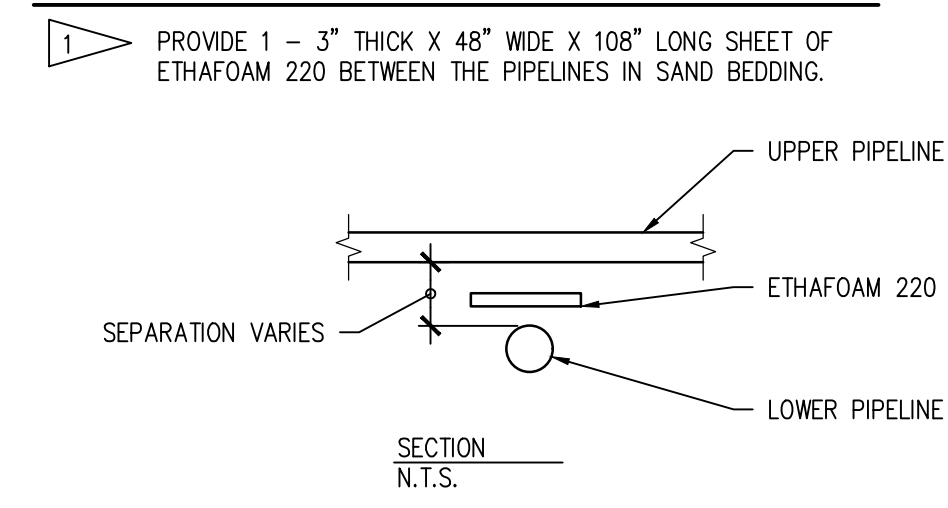
1750 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402

SEAL

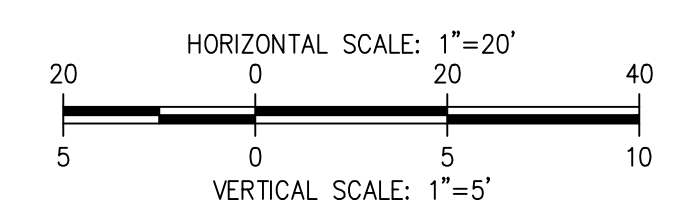
PROFESSIONAL REGISTERED ENGINEER  
RICHARD C. HILLMAN  
NOVEMBER 1988  
NOVEMBER 2020

PLEASE NOTE THAT ADDENDUM 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

**KEY NOTES**



**02 SEWER PROFILE**  
SCALE: H: 1"=20' V: 1"=5'



ESTIMATED BOTTOM OF EXISTING GAS=363.24  
TOP OF 8" SEWER=359.99  
SEPARATION=3.25

ESTIMATED BOTTOM OF EXISTING 8" WATER=360.73  
TOP OF 8" SEWER=360.03  
SEPARATION=0.70

PROVIDE CONCRETE ENCASEMENT FOR SANITARY SEWER PER DETAILS 02/C4.2 & 03/C4.2

**SITTS & HILL ENGINEERS, INC.**

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PHONE: (253) 474-9449 | FAX: (253) 474-0153  
http://www.sittshill.com/

Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

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SHEET CIVIL 30 OF 32

**C5.2**

CONFORMED SET

PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
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05-21-2020	PERMIT RESPONSE
06-15-2020	CONFORMED SET

DATE  
02.26.2020

BCRA NO.  
18103

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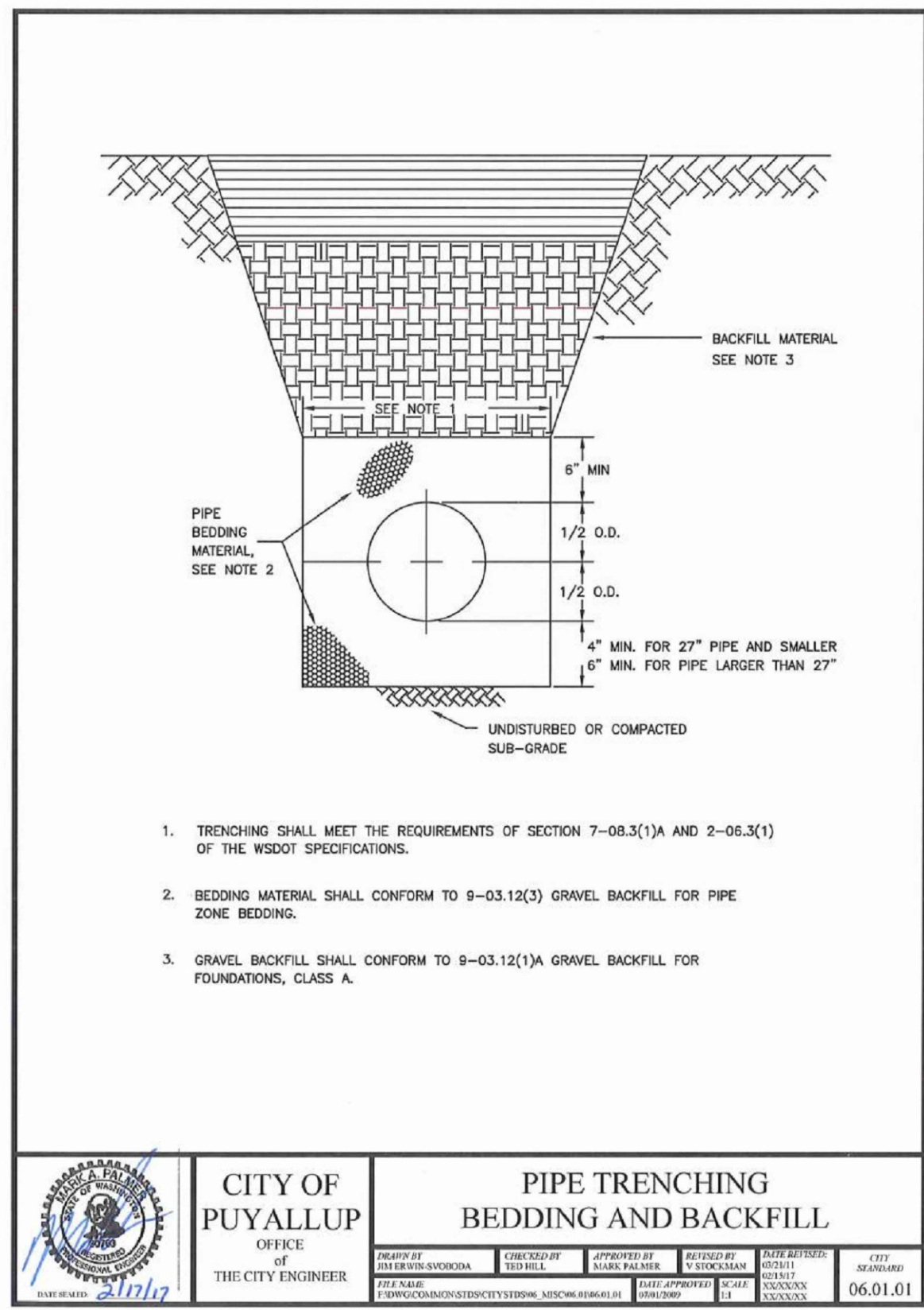
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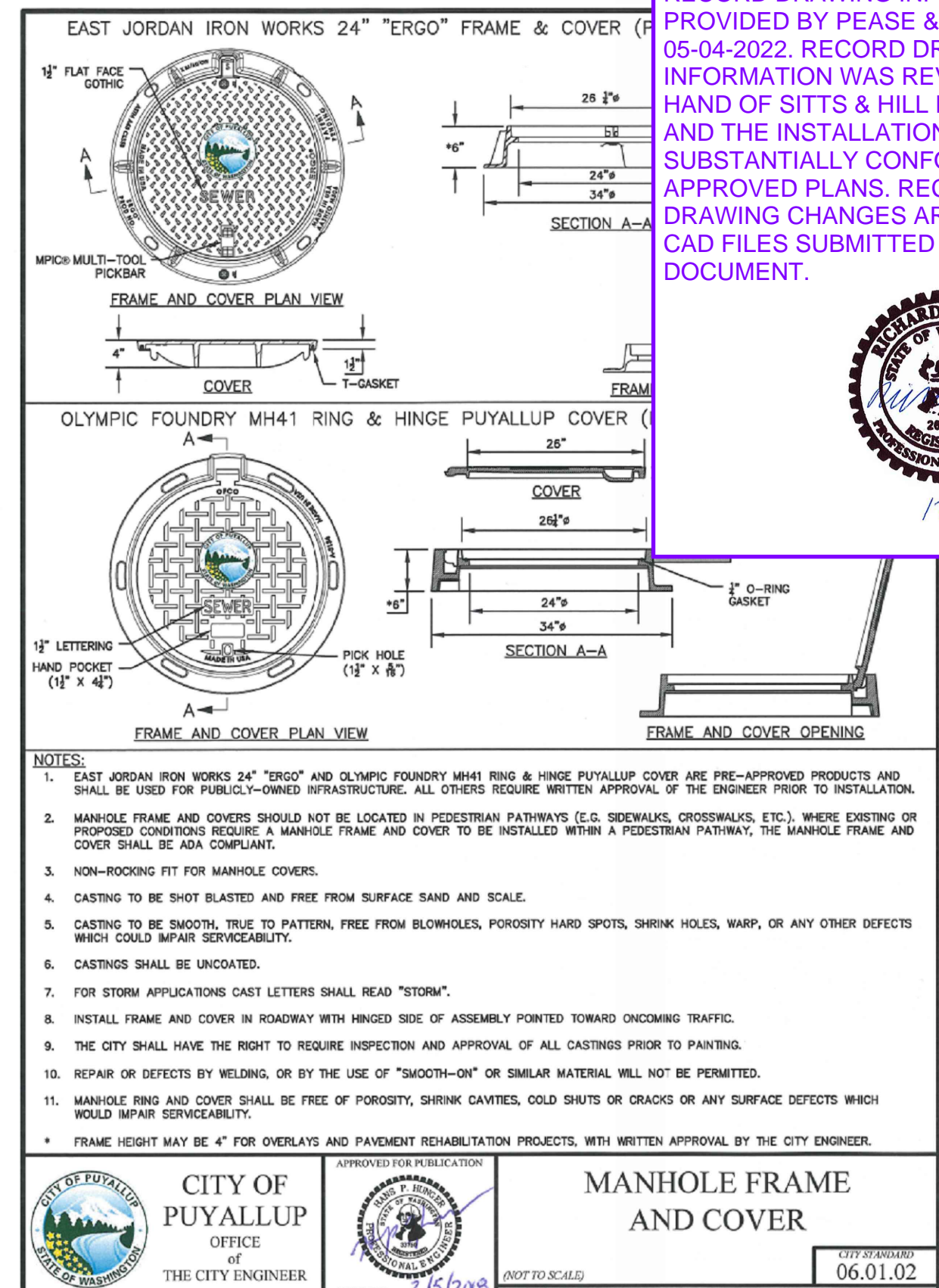
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**CITY OF PUYALLUP  
SANITARY SEWER NOTES**

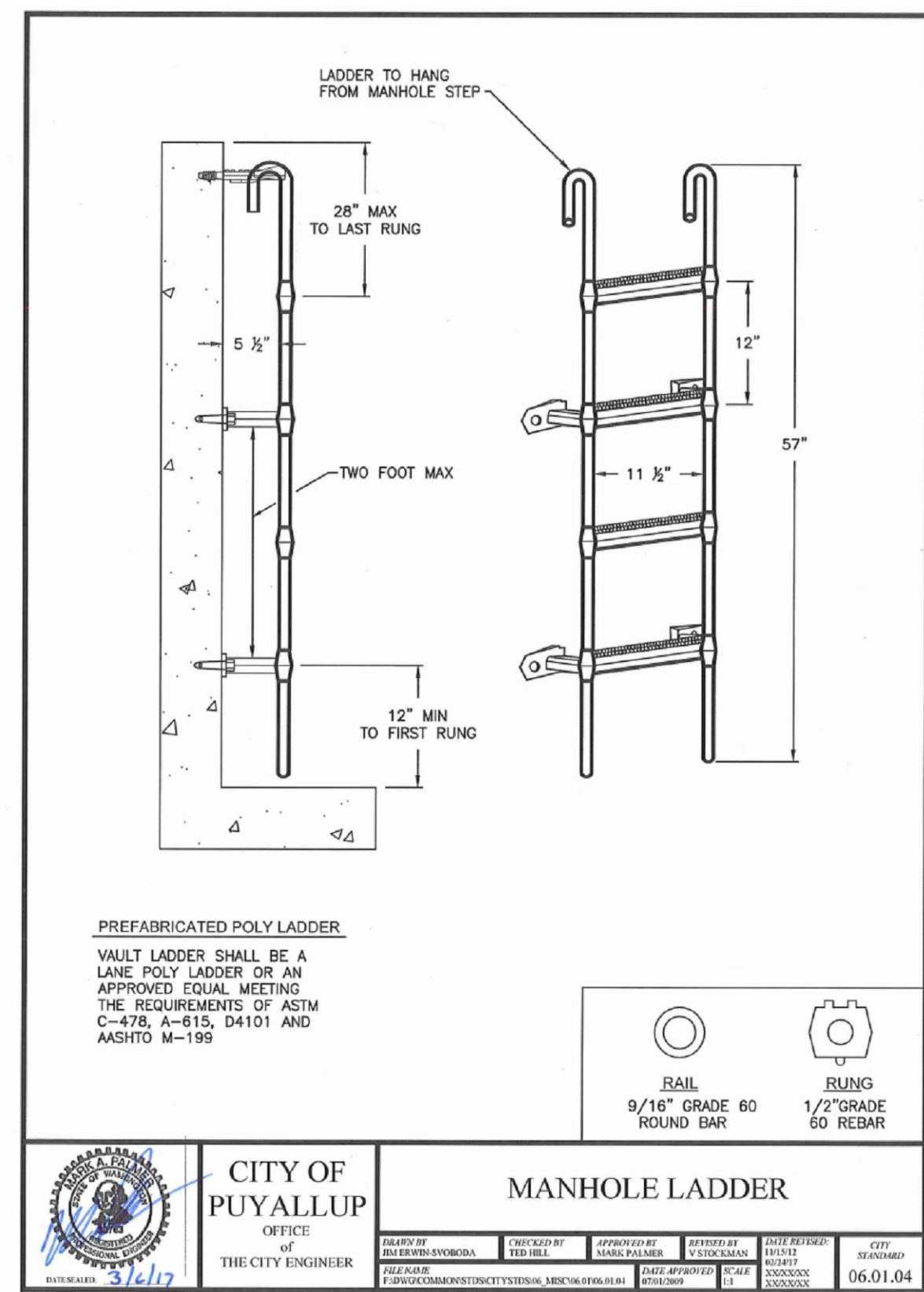
- ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
- AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SEWER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
- A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
- THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.
- SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
- ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM CITY OF PUYALLUP - CITY STANDARDS SANITARY SEWER REVISED 10/2019 400-8 EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PI WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
- SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
- SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHANNIELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
- SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
- NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
- FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
- ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.



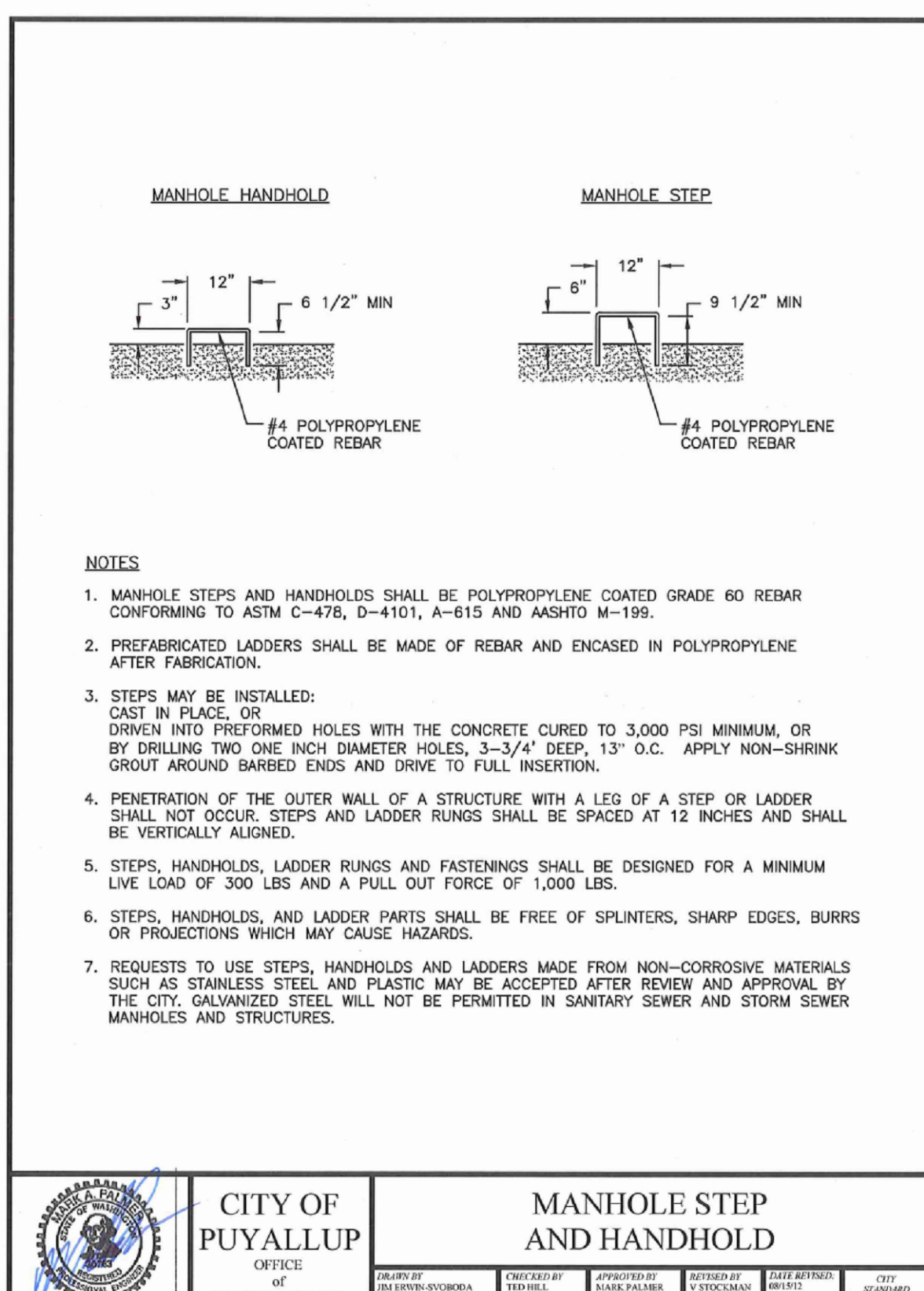
**01 PIPE TRENCHING BEDDING AND BACKFILL**  
SCALE: N.T.S.



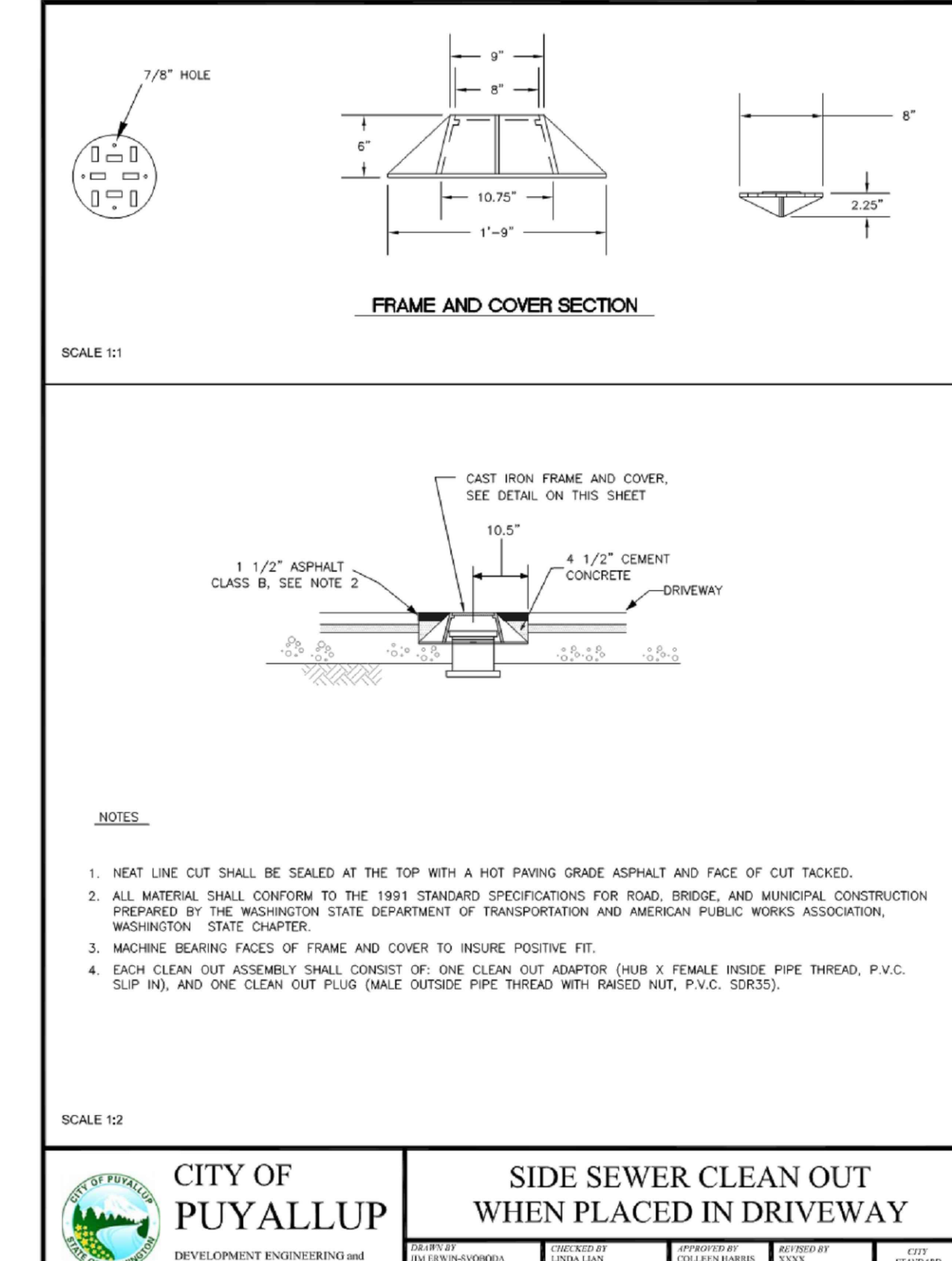
**02 MANHOLE FRAME AND COVER**  
SCALE: N.T.S.



**03 MANHOLE LADDER**  
SCALE: N.T.S.

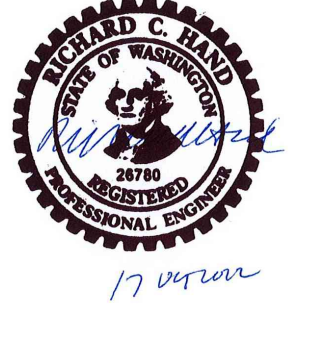


**04 MANHOLE STEP AND HANDHOLD**  
SCALE: N.T.S.



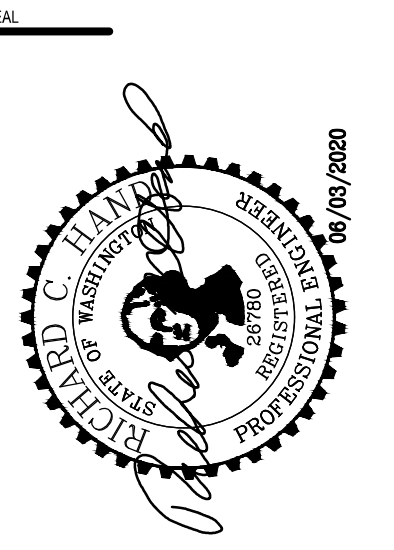
**05 SIDE SEWER CLEAN OUT**  
SCALE: N.T.S.

**RECORD DRAWING**  
RECORD DRAWING INFORMATION IS PROVIDED BY PEASE & SONS, INC ON 05-04-2022. RECORD DRAWING INFORMATION WAS REVIEWED BY R. HAND OF SITTS & HILL ENGINEERS AND THE INSTALLATION SUBSTANTIALLY CONFORMS TO THE APPROVED PLANS. RECORD DRAWING CHANGES ARE ON THE CAD FILES SUBMITTED WITH THIS DOCUMENT.



**APPROVED**  
BY: [Signature]  
CITY OF PUYALLUP  
ENGINEERING SERVICES  
DATE: 06-09-20  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**Call 811**  
two business days before you dig



PROJECT FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
1501 39TH AVENUE SOUTHWEST  
PUYALLUP, WA 98373

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY:  
REVIEWED BY:  
SHEET TITLE: SANITARY SEWER UTILITY DETAILS AND NOTES



**SITTS & HILL ENGINEERS, INC.**  
CIVIL • STRUCTURAL • SURVEYING  
4815 CENTER STREET | TACOMA, WA 98409  
PHONE: (253) 474-8449 | FAX: (253) 474-0153  
http://www.sittshill.com/

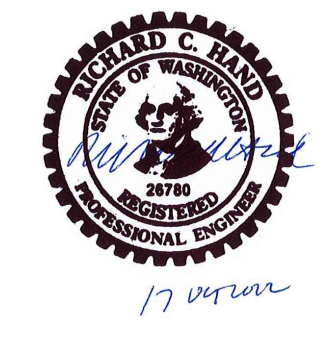
Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

**C5.3**  
CITY RESUBMITTAL

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY



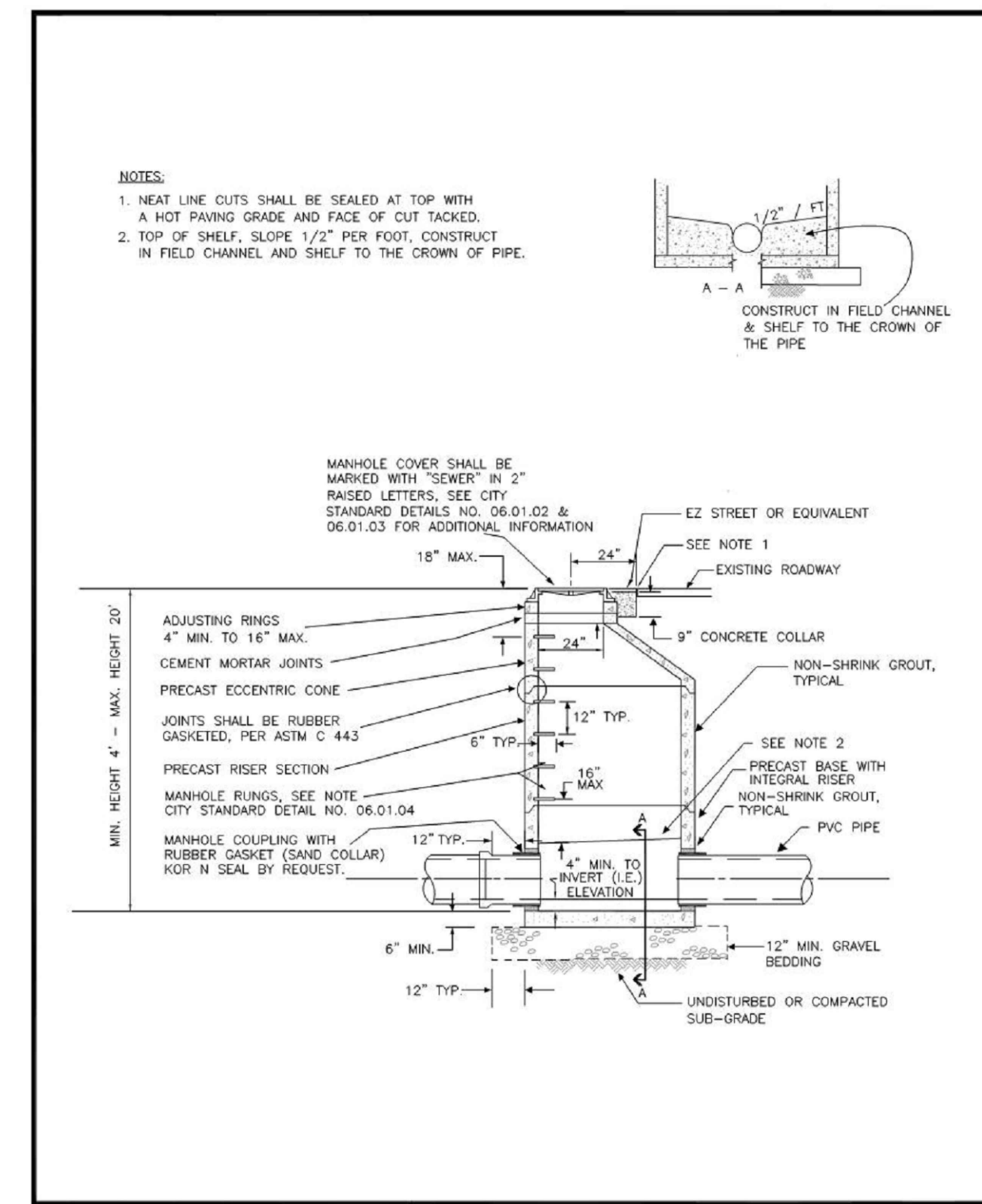
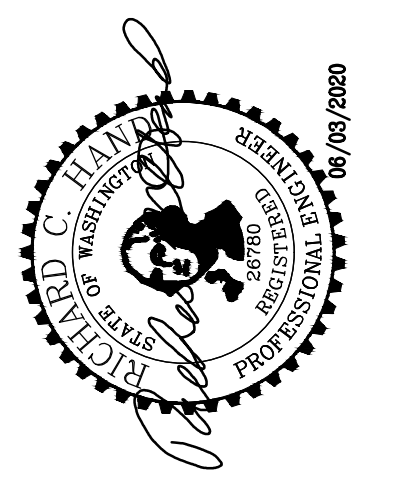
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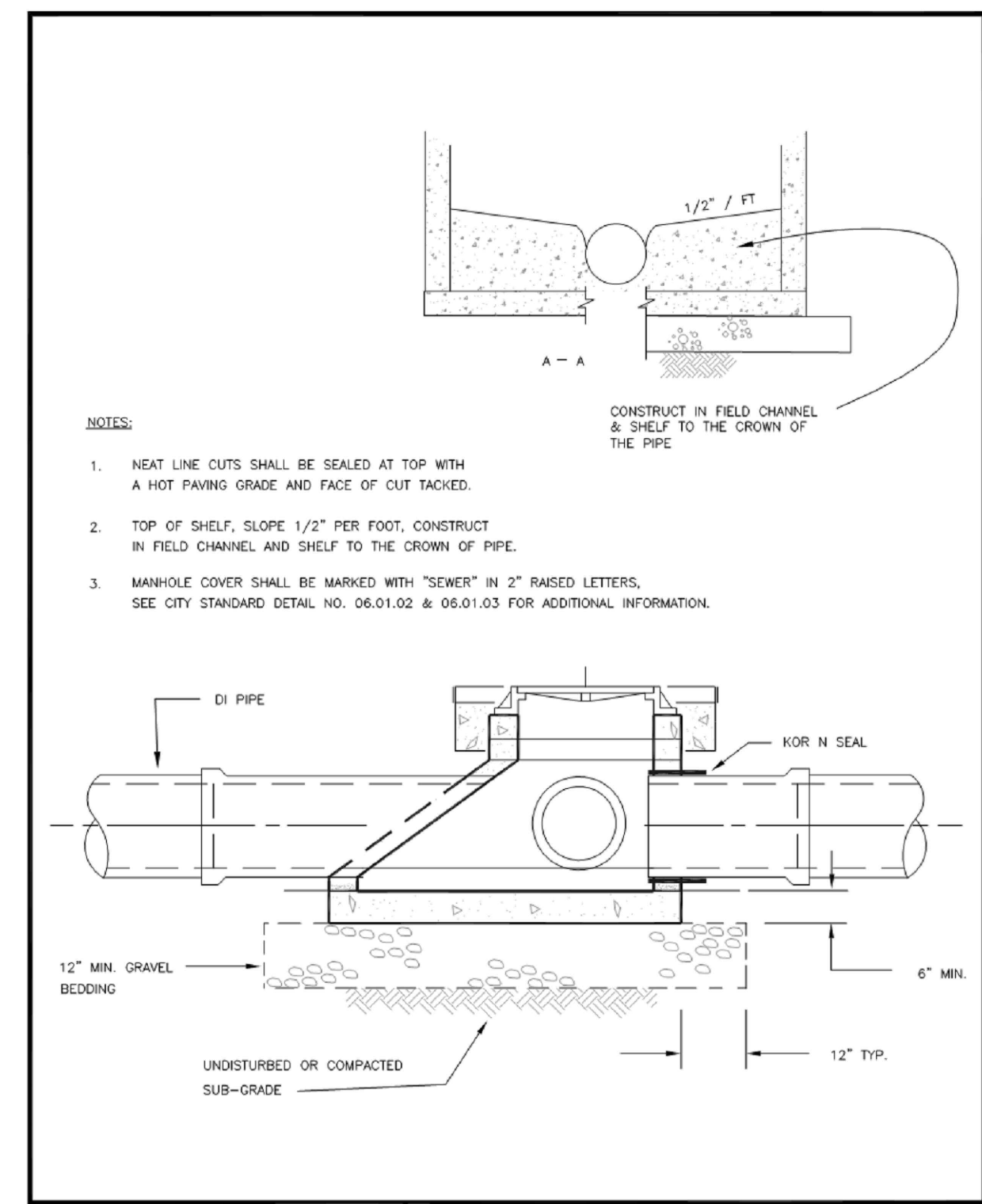
APPROVED  
 BY: *[Signature]*  
 CITY OF PUYALLUP  
 ENGINEERING SERVICES  
 DATE: 06-09-20  
 NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**811 Call 811**  
 two business days before you dig

**BCRA**  
 1705 637 4037 F 2535 637 4386 WWW.BCRAENGINEERS.COM  
 2105 PACIFIC AVENUE SUITE 300, TACOMA, WA 98402



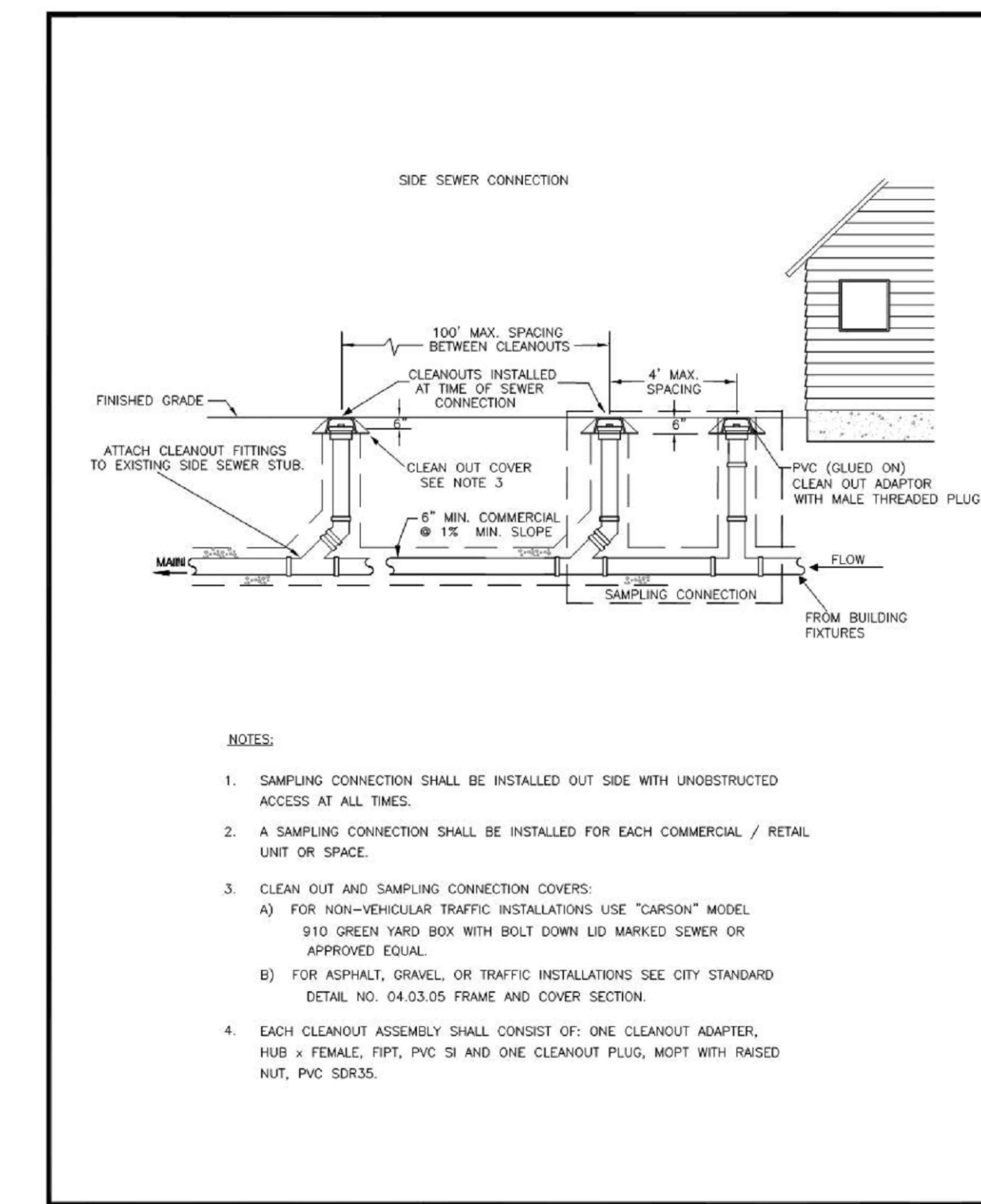
CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SANITARY SEWER MANHOLE		CITY STANDARD 04.01.01
	DESIGNED BY: RUI LOPES/ANthonio	CHECKED BY: LINDA LEAT	



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	SHALLOW SANITARY SEWER MANHOLE		CITY STANDARD 04.01.04
	DESIGNED BY: RUI LOPES/ANthonio	CHECKED BY: LINDA LEAT	

**01 SANITARY SEWER MANHOLE**  
 SCALE: N.T.S.

**02 SHALLOW SANITARY SEWER MANHOLE**  
 SCALE: N.T.S.



CITY OF PUYALLUP DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION		CITY STANDARD 04.03.04
	DESIGNED BY: RUI LOPES/ANthonio	CHECKED BY: LINDA LEAT	

**03 COMMERCIAL SIDE SEWER CONNECTION**  
 SCALE: N.T.S.

PROJECT:  
 FOR PUYALLUP SCHOOL DISTRICT  
**KESSLER CENTER**  
 1501 39TH AVENUE SOUTHWEST  
 PUYALLUP, WA 98473

REVISIONS

03-16-2020	ADDENDUM 2
03-19-2020	ADDENDUM 3
03-31-2020	CITY RESUBMITTAL
04-03-2020	CONFORMED SET
06-03-2020	CITY RESUBMITTAL
10-17-2022	RECORD DRAWINGS

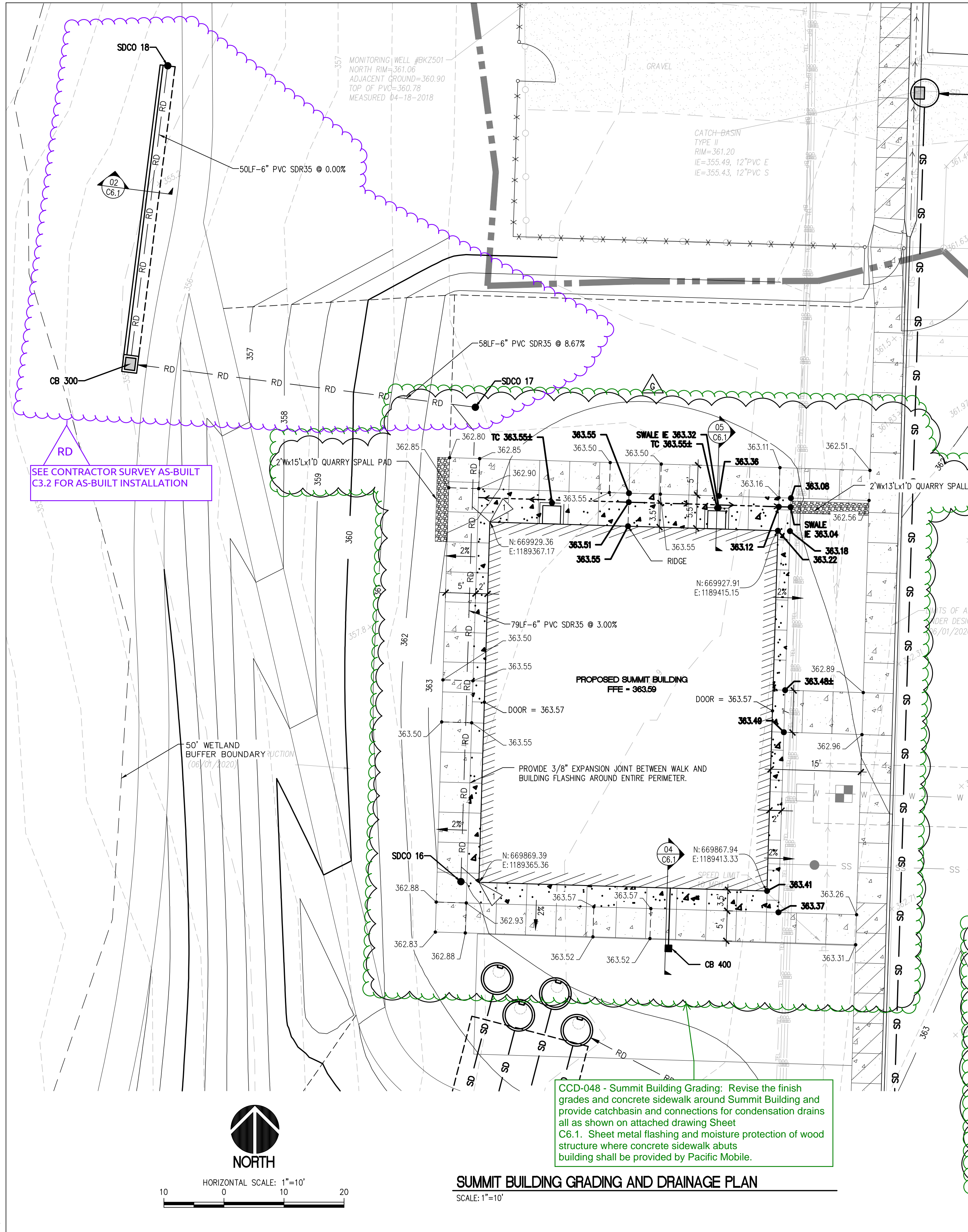
DATE: 02.26.2020  
 BCRA NO.: 18103  
 DRAWN BY:  
 REVIEWED BY:  
 SHEET TITLE: SANITARY SEWER UTILITY DETAILS AND NOTES

**SITTS & HILL ENGINEERS, INC.**  
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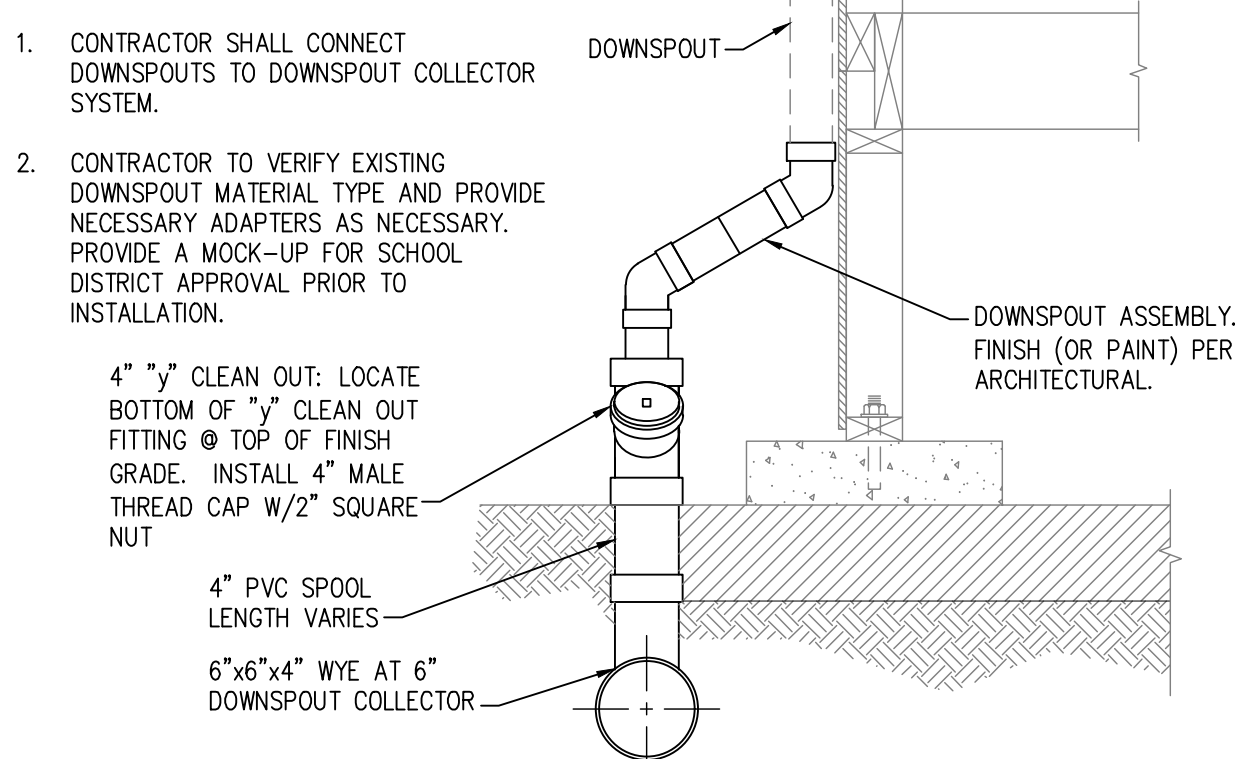
Project No.:	18,328	Project Mgr.:	RCH
Proj. Engineer:	VMS	Proj. Drafter:	KLK

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 SHEET: CIVIL 32 OF 32

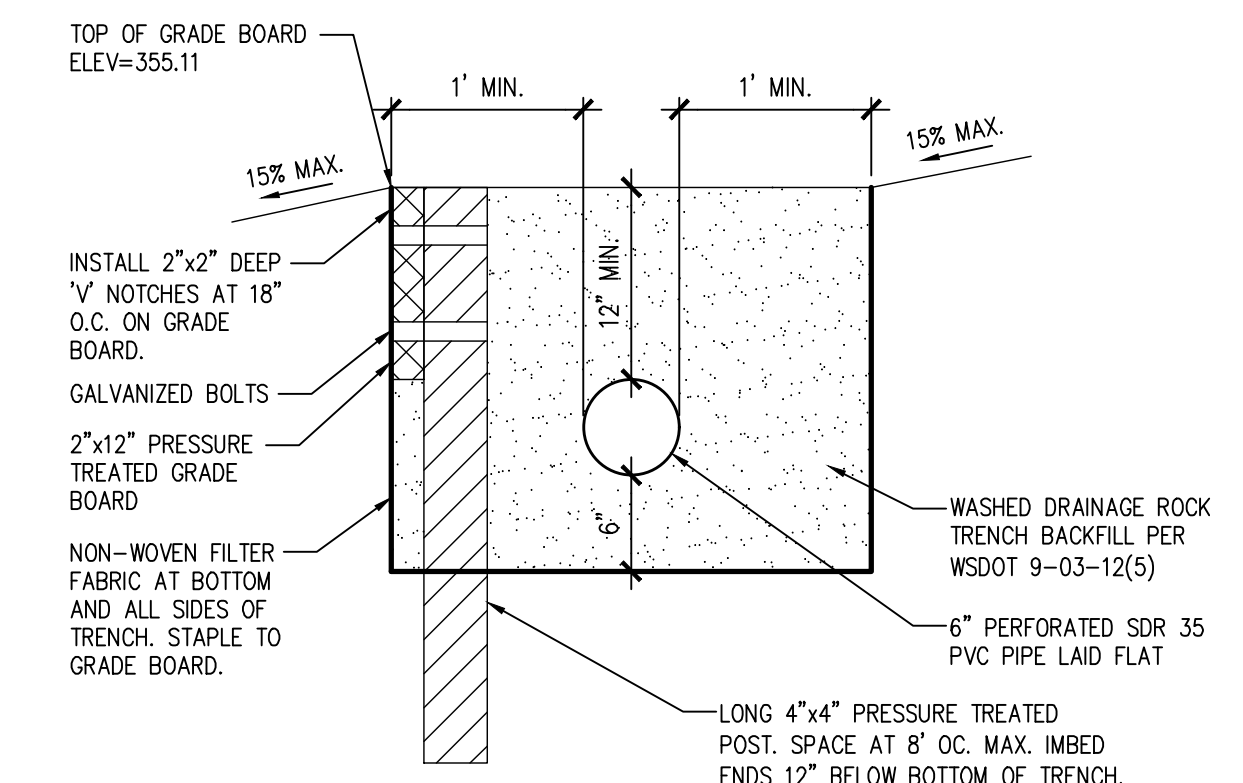
**C5.4**  
 CITY RESUBMITTAL



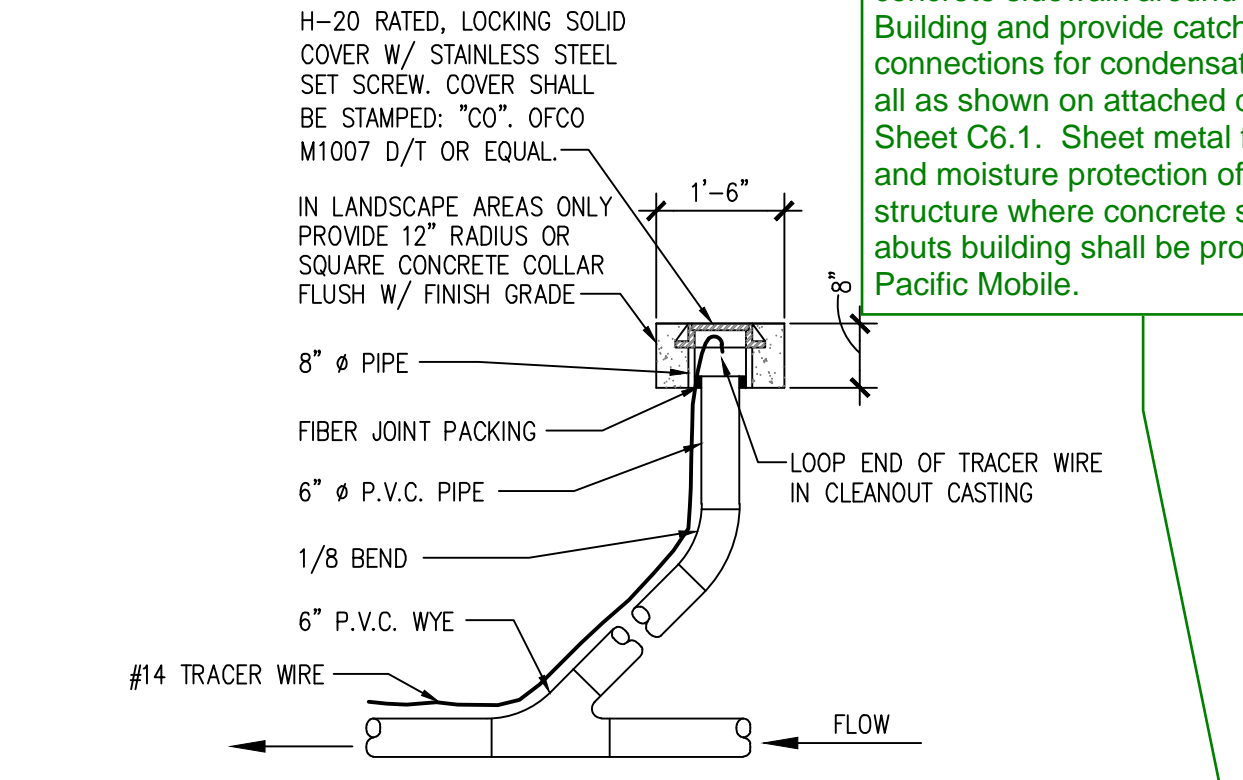
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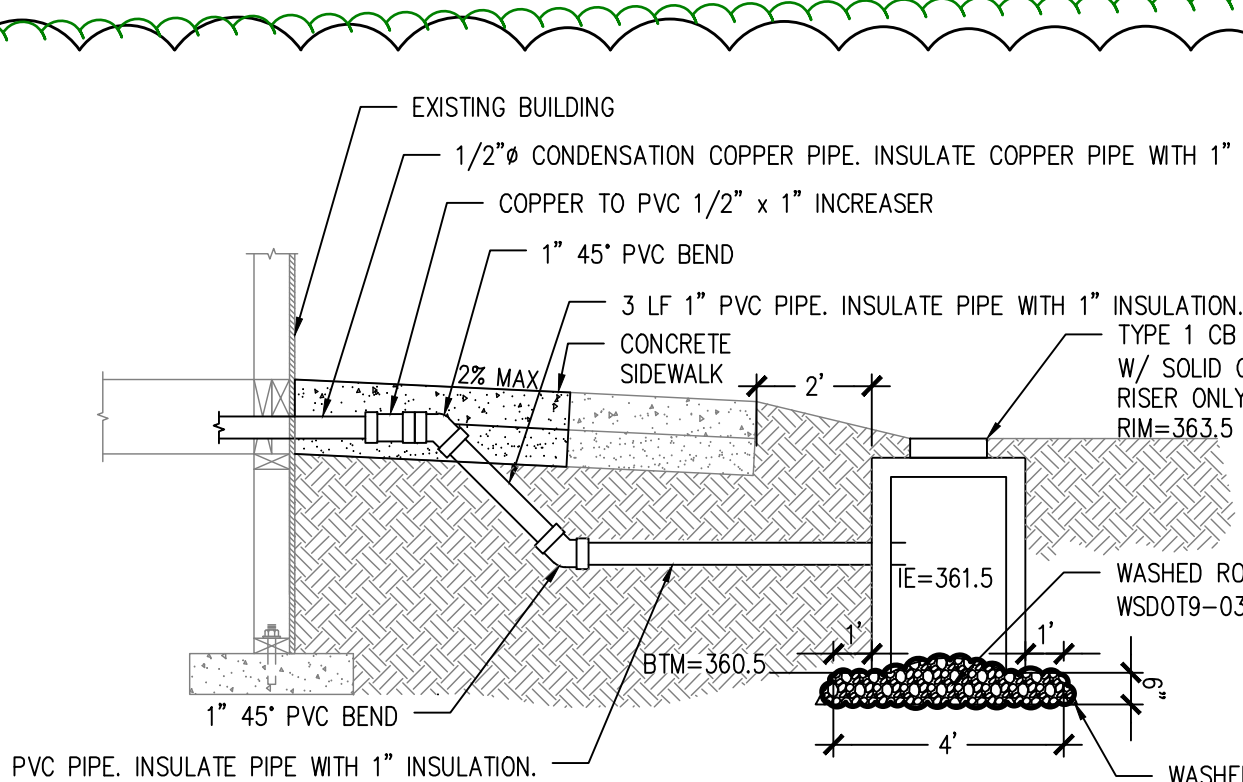
**01 SUMMIT BUILDING DOWNSPOUT ASSEMBLY**  
SCALE: N.T.S.



**02 SECTION AT DISPERSION TRENCH**  
SCALE: N.T.S.



**03 6\"/>**



**04 SUMMIT BUILDING CONDENSATION CONNECTION**  
SCALE: N.T.S.

**CCD-019R - Summit Building Site Work:**  
Provide site work for the Summit Building as follows:  
- Provide excavation and backfill for concrete foundations provided by Pacific Mobile.  
- Sheet C3.1: Revise rim elevations for CB 201, CB 202, CB 203, and CB 204.  
- Sheet C6.1 (New sheet created for Summit Building): Provide grading and new concrete walk around Summit Building.  
- Revised Sheet C6.1: Install dispersion trench and storm drain lines for roof downspouts on Summit Building as shown.

**APPROVED**  
BY: CITY OF PUYALLUP ENGINEERING SERVICES  
DATE: \_\_\_\_\_  
NOTE: THIS APPROVAL IS VOID AFTER 1 YEAR FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE ENGINEERING SERVICES MANAGER.

**LEGEND**

- PROPOSED FEATURES:**
- GRADE BREAK
  - 360 MAJOR CONTOUR
  - 362 MINOR CONTOUR
  - 362.84 SPOT ELEVATION
  - CONCRETE SIDEWALK PER DETAIL 4/C2.4

**GENERAL NOTES**

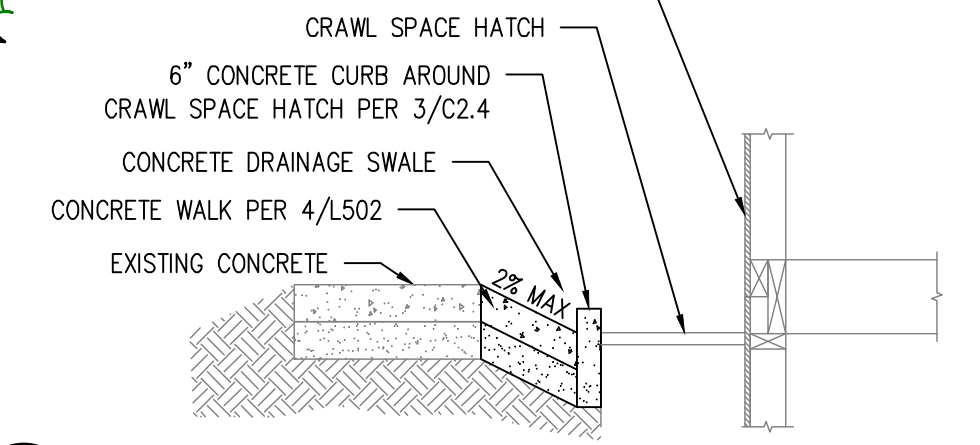
1. CONTRACTOR IS RESPONSIBLE TO PROTECT EXISTING UTILITY/COVERS BY ANY MEANS NECESSARY (SUCH AS METAL PLATES, ETC.) DURING PORTABLE INSTALLATION. DAMAGED SURFACE FEATURES OR UTILITIES SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
2. TYPE 1 CB'S SHALL CONFORM WITH CITY STANDARD DETAIL 02.01.02 (SEE DETAIL 01/C3.7) AND DETAIL 02.01.03 (SEE DETAIL 02/C3.7) REQUIREMENTS. EARTHWORK REQUIREMENTS SHALL COMPLY WITH GENERAL NOTE 4 REQUIREMENTS.
3. CB FRAMES AND GRATES SHALL BE LOCKING AND COMPLY WITH CITY STANDARD DETAIL 02.01.05 (SEE DETAIL 04/C3.7). SOLID COVER SHALL COMPLY WITH WSDOT STANDARD PLAN B-30.20-04.
4. TYPICAL SD UTILITY TRENCH AND STRUCTURE EXCAVATION, BEDDING & BACKFILL REQUIREMENTS SHALL COMPLY WITH DETAILS 04 & 05/C3.6 UNLESS OTHERWISE DETAILED.
5. INSTALL STORM DRAIN CLEANOUTS PER DETAIL 03/C6.1.

**KEY NOTES**

- 1. CONNECT DOWNSPOUT TO ROOF DRAIN PER DETAIL 01/C6.1.

CATCH BASIN (CB) SCHEDULE				
CB ID	STRUCTURE	COVER	RIM	IE
CB 300	TYPE 1	SOLID LOCKING LID	363.11	353.61 6" N (OUT)
CB 400	TYPE 1	SOLID LOCKING LID	363.50	361.50 6" N (N)

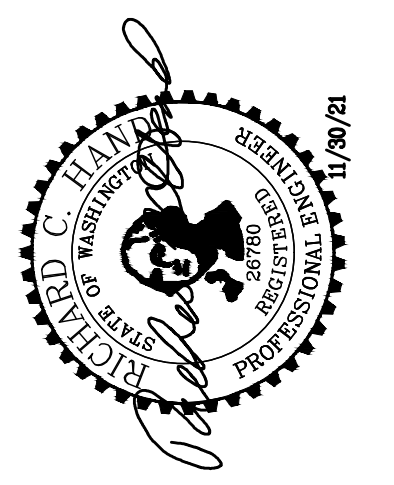
CLEANOUT (CO) SCHEDULE				
CB ID	RIM	IE	NOTES	
SDCO 16	362.99	361.00	6" N	6" CO
SDCO 17	362.69	358.63	6" S	6" CO
SDCO 18	355.11	353.61	6" S	6" CO



**05 SUMMIT BUILDING CRAWL SPACE**  
SCALE: N.T.S.

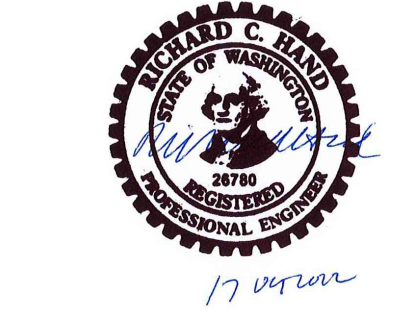
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Project No.: 18,328 | Project Mgr.: RCH  
Proj. Engineer: VMS | Proj. Drafter: KLK



CCD-019R 6/18/21  
CCD-048 12/1/21

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PROJECT FOR PUYALLUP  
**KESSEL**  
1501 39TH AVENUE  
PUYALLUP, WA 98449

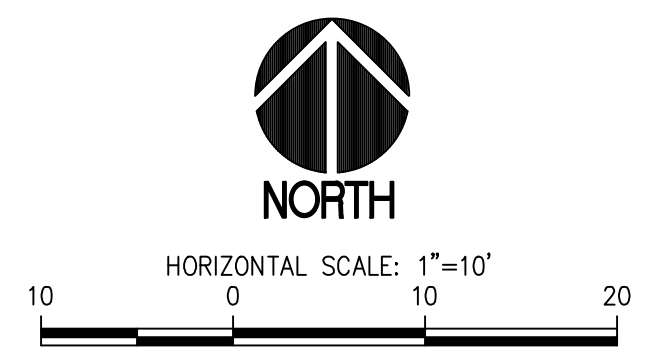
REVISIONS

DATE	DESCRIPTION
10-27-2020	PCR 002 RESUBMITTAL
01-04-2021	RFI 159
05-03-2021	COP 28
08-02-2021	CCD 19
06-11-2021	GRADING REVISION
06-18-2021	CCD 19
06-29-2021	SPOT ELEV
11-30-2021	SUMMIT BLDG GRADING

DATE: 02.26.2020  
BCRA NO.: 18103  
DRAWN BY: \_\_\_\_\_  
REVIEWED BY: \_\_\_\_\_  
SHEET TITLE: SUMMIT BUILDING GRADING AND DRAINAGE PLAN

**BCRA**  
CIVIL 33 OF 33

**C6.1**



**SUMMIT BUILDING GRADING AND DRAINAGE PLAN**  
SCALE: 1"=10'

IF SHEET MEASURES LESS THAN 22"x34", IT IS A REDUCED PRINT. REDUCE SCALE ACCORDINGLY