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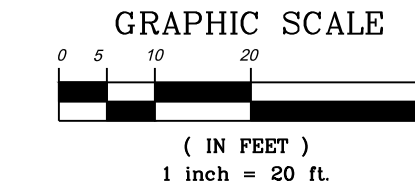
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# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

#### COVER SHEET



**APPROVED**

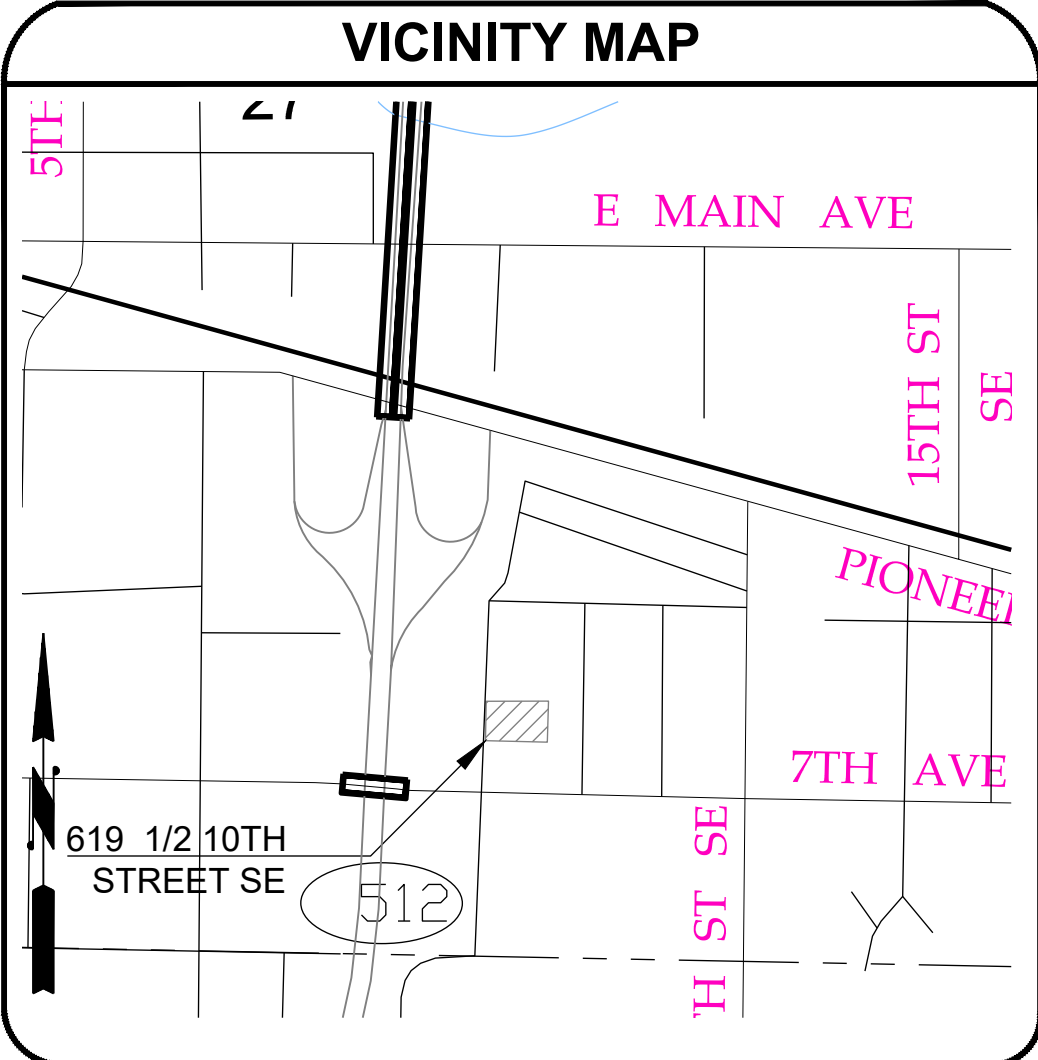
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

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

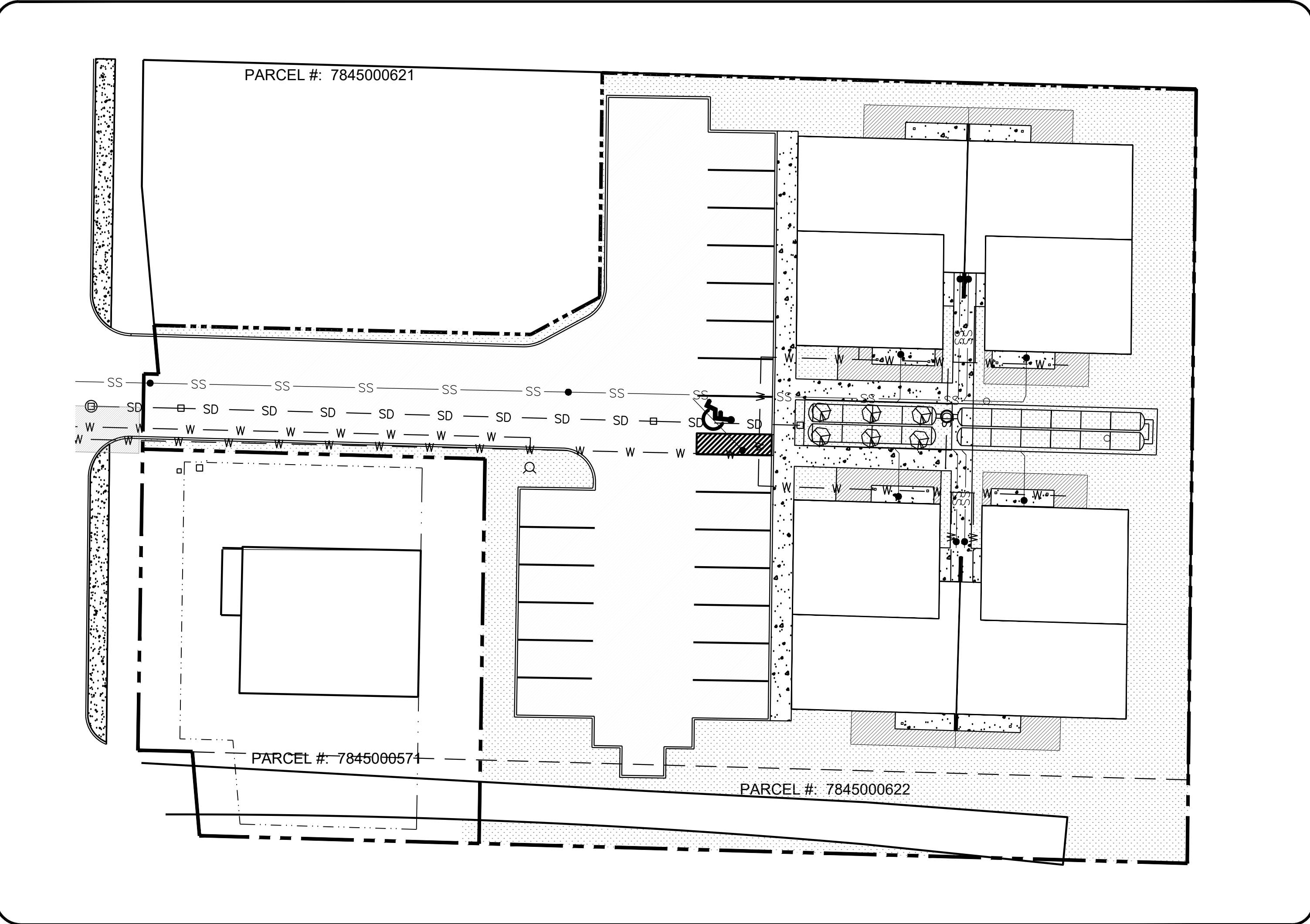
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

10TH Street  
Development Project  
Cover Sheet

P.O. BOX 280  
PUYALLUP, WA 98371



PROJECT SPECIFICATIONS (PROPOSED DEVELOPMENT AREA)	
PROJECT NAME:	10TH STREET DEVELOPEMENT PROJECT ABBEY ROAD JOB#: 04-173-01
APPLICANT/AGENT NAME:	ABBEY ROAD GROUP LAND DEVELOPMENT SERVICES COMPANY ADDRESS: P.O. BOX 1224, PUYALLUP WA 98371 PHONE: (253) 435-3699
PARCEL NO.	7845000622, 7845000591, 7845000600, 7845000571, 7845000621
SITE ADDRESS:	619TH 10TH STREET SE PUYALLUP, WA 98372
ZONING:	R10
PARCEL SIZE:	32,479 SF
SETBACK:	FRONT 10' REAR 15' INTERIOR SIDE 3' (TOTAL COMBINED 13') STREET SIDE 10'
SETBACK, PIPESTEM LOTS:	FRONT 10' REAR 15' INTERIOR SIDE 3'
PROPOSED LAND USE:	MULTI FAMILY
NO. OF DWELLING UNITS:	8
DOMESTIC WATER SOURCE:	CITY OF PUYALLUP
SEWAGE DISPOSAL SYSTEM:	CITY OF PUYALLUP
SITE AREA:	32,479 SF
LANDSCAPE AREA:	10,976.37 SF
BUILDING AREA:	1,185 SF/PER PAD
PARKING:	STANDARD: 14 COMPACT: 6 ADA: 1
PATIO (PATIO AND PORCH) AREA:	400 SF/PER PAD



### SURVEY DATA

**BASIS OF BEARINGS**  
RECORD OF SURVEY NO. 9601230517 (CENTERLINE OF 10TH STREET SE).  
THE COORDINATE SYSTEM IS ASSUMED.  
VERTICAL DATUM  
NGVD 29  
PIERCE COUNTY PUBLISHED BENCHMARK  
DESIGNATION NO. 154-4  
PUBLISHED ELEVATION: 45.43 FEET  
DESCRIPTION: TOP NORTH CORNER OF A 2' BY 2'  
SQUARE BRICK PILLAR FOR "KALLES JR. HIGH SCHOOL" SIGN, 20' EAST OF EAST  
CURB ON 3RD ST. SE AND 60' SOUTH OF CENTERLINE DRIVE TO SCHOOL (PUYALLUP).

**LEGAL DESCRIPTION**  
LOT 1  
THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHWEST CORNER OF BLOCK 54, FRANK R. SPINNING'S FIRST ADDITION TO THE TOWN OF PUYALLUP, AS RECORDED IN VOLUME 4 OF PLATS, AT PAGES 86 AND 87, RECORDS OF SAID COUNTY; THENCE NORTH 00°54'06" EAST 237.65 FEET PARALLEL WITH THE EAST LINE OF SAID BLOCK 54 TO THE POINT OF BEGINNING; THENCE CONTINUING NORTH 00°54'06" EAST 18.00 FEET TO POINT "A" ON THE SOUTH LINE OF 10TH STREET SOUTHEAST; THENCE SOUTH 88°22'57" EAST 3.51 FEET ALONG SAID SOUTH LINE TO A POINT ON THE EAST LINE OF SAID STREET; THENCE NORTH 05°03'30" WEST 12.08 FEET ALONG SAID EAST LINE TO A POINT WHICH LIES 12 FEET NORTH AS MEASURED AT RIGHT ANGLE, FROM SAID SOUTH LINE; THENCE SOUTH 88°22'57" EAST 90.08 FEET; THENCE NORTH 61°37'03" EAST 18.72 FEET; THENCE NORTH 00°40'37" EAST 53.64 FEET PARALLEL WITH THE WEST LINE OF BAREM'S FIRST ADDITION, AS RECORDED IN VOLUME 17 OF PLATS, AT PAGE 36, RECORDS OF SAID COUNTY TO A POINT WHICH LIES NORTH 00°40'37" EAST 330.2/3 FEET AND SOUTH 88°22'57" EAST 109.75 FEET FROM THE SOUTHWEST CORNER OF SAID BLOCK; THENCE SOUTH 88°22'57" EAST 142.02 FEET TO A POINT ON SAID WEST LINE; THENCE SOUTH 00°40'37" WEST 75.00 FEET ALONG SAID WEST LINE TO A POINT WHICH BEARS SOUTH 88°22'57" EAST FROM SAID POINT "A"; THENCE NORTH 88°22'57" WEST 119.36 FEET TO A POINT WHICH LIES SOUTH 88°22'57" EAST 131.40 FEET FROM SAID POINT "A"; THENCE SOUTH 61°37'03" WEST 36.00 FEET TO A POINT WHICH LIES 18 FEET SOUTH, AS MEASURED AT RIGHT ANGLE, FROM THE SOUTH LINE OF SAID STREET EXTENDED EASTERLY; THENCE NORTH 88°22'57" WEST 100.00 FEET PARALLEL WITH SAID SOUTH LINE TO THE POINT OF BEGINNING.

LOT 2:  
THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

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LOT 3:  
THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

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LOT 4:  
THAT PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 27, TOWNSHIP 20 NORTH, RANGE 4 EAST OF THE WILLAMETTE MERIDIAN, PIERCE COUNTY, WASHINGTON, DESCRIBED AS FOLLOWS:

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### UTILITIES

<b>SEWER:</b> CITY OF PUYALLUP 333 S MERIDIAN - 3RD FLOOR PUYALLUP, WA 98371 (253) 841-5494	<b>CABLE:</b> COMCAST 410 Valley Ave NW PUYALLUP, WA 98371 (253) 268-3102	<b>TELEPHONE:</b> CENTURY LINK 1-865-465-2313
<b>WATER:</b> CITY OF PUYALLUP 333 S MERIDIAN - 3RD FLOOR PUYALLUP, WA 98371 (253) 841-5494	<b>POWER:</b> PUGET SOUND ENERGY P.O. BOX 91269 BELLEVUE, WA 98009 (888) 225-5773	<b>REFUSE:</b> D.M. Disposal P.O. BOX 91269 PUYALLUP, WA 98371 (253) 414-0347
<b>FIRE:</b> CENTRAL PIERCE FIRE & RESCUE 311 W PIONEER AVE PUYALLUP, WA 98371 (253) 538-6400	<b>SCHOOL:</b> Puyallup School District 302 2nd St SE PUYALLUP, WA 98372 (888) 225-5773	<b>GAS:</b> PUGET SOUND ENERGY P.O. BOX 91269 BELLEVUE, WA 98009 (888) 225-5773

### CONSULTANTS

<b>OWNER:</b> THE FAMILY FARM LLC PO BOX 1442 GRAHAM, WA 98338	<b>PROJECT MANAGER:</b> ABBEY ROAD GROUP LAND DEV. SERVICES COMPANY P.O. BOX 1224 PUYALLUP, WA 98371 (253) 435-3699 W (253) 446-3159 F GIL.HULSMANN@ABBEOYROADGROUP.COM
<b>CIVIL ENGINEER:</b> ABBEY ROAD GROUP LAND DEV. SERVICES COMPANY RYAN JEFFRIES P.O. BOX 1224 PUYALLUP, WA 98371 (253) 435-3699 W (253) 446-3159 F RYAN.JEFFRIES@ABBEOYROADGROUP.COM	<b>TRAFFIC ENGINEER:</b> HEATH & ASSOCIATES, INC GREG HEATH, PE 2214 TACOMA RD PUYALLUP, WA 98371 (253) 770-1401 WORK (253) 770-1473 FAX GHEATH@HEATHTRAFFIC.COM
<b>SURVEY:</b> ABBEY ROAD GROUP LAND DEV. SERVICES COMPANY LARRY WALKER, PLS P.O. BOX 1224 PUYALLUP, WA 98371 (253) 435-3699 W (253) 446-3159 F LARRY.WALKER@ABBEOYROADGROUP.COM	<b>LANDSCAPE ARCHITECT:</b> TBD
<b>GENERAL CONTRACTOR:</b> TBD	<b>GEOTECHNICAL ENGINEER:</b> PHIL HABERMAN GEOTECHNICAL ENGINEERING COBALTEO@GMAIL.COM (206) 331-1097 (206) 462-9871 FAX PO BOX 82243 KENMORE, WA 98028

### SITE SPECIFICATIONS (EXISTING)

**SITE DATA:**  
ASSESSORS/TAX PARCEL NUMBER(S): 7845000622, 7845000571, 7845000591, 7845000600

PARCEL/SITE SIZE: 0.3232 / 0.1652 / 0.3053 / 0.1061 ACRES  
SECTION/TOWNSHIP/RANGE: 27/20/04E  
DEVELOPMENT JURISDICTION: CITY OF PUYALLUP  
SITE ADDRESS: 619 10th St SE  
PUYALLUP, WA 98372

ZONING: R10

DENSITY: N/A  
PRESENT USE: LOT 1, VACANT  
PRESENT USE: LOT 2, SINGLE FAMILY HOME  
PRESENT USE: LOT 3, VACANT  
PRESENT USE: LOT 4, SINGLE FAMILY HOME  
PRESENT USE: LOT 5, SINGLE FAMILY HOME

SENSITIVE AREAS: N/A  
WETLANDS: NO  
FLOOD PLAIN HAZARD AREAS: N/A  
EROSION HAZARD AREAS: NO  
LANDSLIDE HAZARD AREAS: NO  
COAL MINE HAZARD AREAS: NO  
SEISMIC HAZARD AREAS: NO  
CREEKS/STREAMS: NO  
LAKES: NO  
STEEP SLOPES(10% OR GREATER): NO  
VOLCANIC: NO  
WILDLIFE HABITAT: N/A  
SHORELINE CLASSIFICATION: N/A  
IMPERVIOUS AREAS: 0  
PERVIOUS AREAS: 4.16 ACRES  
ADJACENT ZONING:  
NORTH: R10  
SOUTH: R10  
EAST: R10  
WEST: R10

### PHASING

NO PHASING HAS BEEN PROPOSED. THE PROJECT IS ANTICIPATED TO BE COMPLETED UPON PERMIT APPROVALS AND ALSO AS SPECIFIC TENANTS ARE DETERMINED.

### TABLE OF CONTENTS

SHEET C1.01	COVER SHEET
SHEET C1.02	MASTER LEGEND
SHEET C1.03	EXISTING CONDITIONS
SHEET C1.04	PROPOSED BLA MAP EXHIBIT
SHEET C1.05	MONITORING WELL EXHIBIT
SHEET C2.01	SITE PLAN
SHEET C2.02	FLOOR PLAN
SHEET C3.01	GRADING PLAN
SHEET C4.01	STORM PLAN
SHEET C5.01	WATER PLAN
SHEET C5.02	SANITARY SEWER PLAN
SHEET C6.01	NOTES & DETAILS
SHEET C6.02	NOTES & DETAILS 2
SHEET C6.03	NOTES & DETAILS 3
SHEET C6.04	NOTES & DETAILS 4

### PARCEL / LOT INFORMATION

<b>EXISTING:</b>	<b>PROPOSED:</b>
LOT #1 14,080 SF	LOT #1 32,479 SF
LOT #2 13,299 SF	LOT #4 6,868 SF
LOT #3 4,779 SF	LOT #5* 6,799 SF
LOT #4 7,197 SF	

**Abbey Road Group**

Land Development  
Services Company, LLC

2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699; Fax (253) 446-3159

08/10/2021

REVISIONS:	CHK:	APP:	DATE:	PER:

DESIGNED BY: PB  
DEVELOPMENT REVIEW: PB  
APPROVED BY: PB  
DRAFTED BY: CL  
DATE: 08/10/21  
SHEET: C1.01

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

**CALL BEFORE YOU DIG (811)**  
**WWW.WASHINGTON811.COM**

JOB #: 04-173



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# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON  
MASTER LEGEND

APPROVED

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

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

**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS 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 DEVELOPMENT ENGINEERING MANAGER.

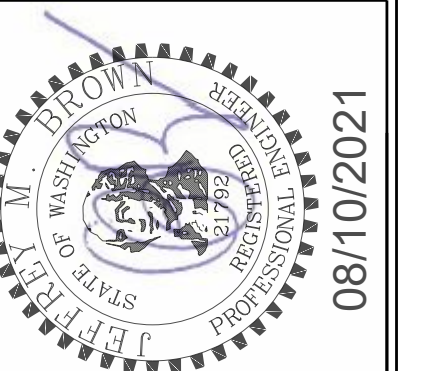
10TH Street  
Development Project  
Master Legend

P.O. BOX 280  
PUYALLUP, WA 98371

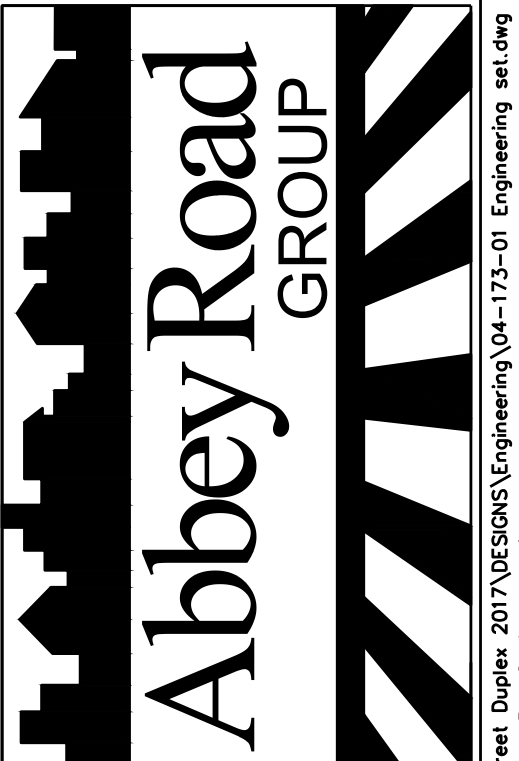
TITLE:

FOR: Greg Helle

P.O. BOX 280  
PUYALLUP, WA 98371



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



DESIGNED BY: PB	DEVELOPMENT REVIEW: PB	APPROVED BY: PB	DRAFTED BY: CL	DATE: 08/10/21	SHEET: C1.02
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REVISIONS:	CHK:	APR:	DATE:	PER:
BY:				

JOB #: 04-173

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM

## CHANNELIZATION

SYMBOL	DESCRIPTION
EXST	PROP
	BIKE PATH
	HANDICAP SYMBOL
	H.O.V. LANE SYMBOL
	ONLY
	RAILROAD CROSSING
	SCHOOL
	STOP
	LANE CONTROL ARROWS: STRAIGHT ARROW
	LT, RT, STR. ARROW
	LEFT-RIGHT ARROW

## CHANNELIZATION

SYMBOL	DESCRIPTION
EXIST.	PROP.
	2-WAY LEFT TURN
	LEFT TURN ARROW
	RIGHT TURN ARROW
	LEFT-STRAIGHT ARROW
	RIGHT-STRAIGHT ARROW
	RAISED MARKERS: LANE MARKERS TYPE I
	LANE MARKERS TYPE II
	CONCRETE BARRIER*
	CONCRETE BARRIER TERMINAL END*

## ABBREVIATIONS

AC = ASPHALTIC CONCRETE SURFACE	PVC = POLY VINYL CHLORIDE
BRW = BOTTOM OF RETAINING WALL	R = RADIUS
BR = BOTTOM OF ROCKERY	ROW = RIGHT OF WAY
BS = BOTTOM OF SWALE	SF = SQUARE FEET
CB = CATCH BASIN CC=CONCRETE CURB	SL = SLOPE
CG = CONCRETE GUTTER	SS = SANITARY SEWER
CL = CENTERLINE	SSCO = SANITARY SEWER CLEANOUT
CONC = CONCRETE	SSMH = SANITARY SEWER MANHOLE
CTR = CENTER	SD = STORM DRAIN
DI = DUCTILE IRON	TA = TOP OF ASPHALT
EA = EDGE OF ASPHALT	TC = TOP OF CONCRETE
EX = EXISTING	TRW = TOP OF RETAINING WALL
FF = FINISH FLOOR	TR = TOP OF ROCKERY
FL = FLOW LINE	TW = TOP OF SIDEWALK
G = GAS MAIN	TYP = TYPICAL
HC = HANDICAP PARKING STALL	W = WATER
IE = INVERT ELEVATION	VP = VENT PIPE
LS = LANDSCAPE	(P) = PER PLAT UNDER RECORDING
OHP = OVERHEAD POWER	(M) = MEASURED DATA
P = PROPERTY LINE	(R) = RECORD DATA
LPT = POINT	

## SIGNALIZATION

SYMBOL	DESCRIPTION
EXST	PROP
	AERIAL: AERIAL DISCONNECT
	AERIAL TERMINAL COMPARTMENT
	DETECTORS: DETECTOR LOOP TYPE I
	DETECTOR LOOP TYPE II
	PEDESTRIAN DETECTOR
	EMERGENCY VEHICLE INDICATOR LIGHTS: FLASHING WARNING SYSTEM
	INDICATOR LIGHTS
	EVP SENSOR
	EVP SENSOR W/ INDICATOR LIGHTS
	J_BOX/CONTROLLERS: JUNCTION BOX (TYPE I, II, III)
	CONTROL CABINET
	SERVICE CABINET
	NOTES: POLE NOTE
	WIRE NOTE

## SIGNALIZATION

SYMBOL	DESCRIPTION
EXIST.	PROP.
	POLES: PEDESTRIAN PUSHBUTTON POST W/ PUSHBUTTON
	SIGNAL POLE TYPE I *
	SIGNAL POLE TYPE II *
	SIGNAL POLE TYPE III *
	STREET LIGHT ASSEMBLY
	RAILROAD CROSSING: R/R CROSSING GATE
	R/R CROSSING SIGNAL
	SIGNAL HEADS: PEDESTRIAN SIGNAL HEAD
	VEHICLE SIGNAL HEAD
	TRAFFIC SIGNS: SIGN *
	BRIDGE
	CANTILEVERED
	DOUBLE POST
	SINGLE POST

## SURFACES

	ASPHALT
	CLEARING LIMITS
	CONCRETE
	FILTER FABRIC FENCE
	INTERCEPTOR SWALE
	PARKING COUNT

## WATER

SYMBOL	DESCRIPTION
EXST	PROP
	CAP/PLUG
	COUPLING
	GUARD POST
	REDUCER
	THRUST BLOCK
	SPRINKLER HEAD
	WATER METER
	FIRE HYDRANTS: 2-NOZZLE 3-NOZZLE
	FLANGE/BLIND FL
	MECHANICAL
	PUSH-ON/HUB
	THREAD
	AIR RELIEF
	BLOW-OFF
	BUTTERFLY CHECK
	GATE/GENERAL PLUG VALVE
	ADAPTER, FL. x M.J.
	BENDS: 90 DEGREE BEND, FL. 45 DEGREE BEND, FL. 22.5 DEGREE BEND, FL. 11.25 DEGREE BEND, FL. 90 DEGREE BEND, M.J. 45 DEGREE BEND, M.J. 22.5 DEGREE BEND, M.J. 11.25 DEGREE BEND, M.J. VERTICAL BEND, FL. VERTICAL BEND, M.J.
	REDUCERS: REDUCER, FL. REDUCER, M.J. REDUCER, M.J. x FL. REDUCER, M.J. x P.E. REDUCER, P.E. x M.J. FL. x M.J.
	TEES: TAPPING TEE & VALVE FL. x M.J. TEE, FL. TEE, M.J. TEE, M.J. x FL.
	VALVES: BUTTERFLY VALVE FL. x M.J. BUTTERFLY VALVE, M.J. GATE VALVE, FL. x M.J. GATE VALVE, M.J.

## SURVEY

SYMBOL	DESCRIPTION
THEOR./ EXIST.	FOUND/ PROP.
	ANGLE POINT
	BENCH MARK
	BLOCK CORNER
	IRON PIPE
	MONUMENT (IN CASE)
	MONUMENT (SURFACE)
	OWNERSHIP TIE
	SECTION DATA:
	SECTION CENTER
	QUARTER CORNER
	SIXTEENTH CORNER
	CLOSING CORNER
	MEANDER CORNER
	WITNESS CORNER
	SOIL BORING
	SPOT ELEVATION
	TAX LOT / ASSESSOR NUMBER

## UTILITIES

SYMBOL	DESCRIPTION
EXST	PROP
	GAS METER
	GAS VALVE
	GAS VENT/BLOW-OFF
	PAD MOUNTED TRANSFORMER
	POWER VAULT
	TRANSMISSION TOWER
	UTILITY POLE
	UTILITY POLE ANCHOR
	TELEPHONE RISER
	TELEPHONE VAULT
	TELEPHONE BOOTH
	MISC UTIL BOX
	MISC UTIL MANHOLE
	CONDUIT
	GUY POLE

NOTES: EXISTING UTILITY COLORS CORRESPOND TO COLOR CODE SPECIFIED BY THE UTILITIES UNDERGROUND LOCATION CENTER AS FOLLOWS:

ELECTRIC/POWER - RED (1)  
GAS & OIL - YELLOW (2)  
PHONE & CATV - ORANGE (30)  
WATER - BLUE (5)  
SEWER - GREEN (106)

## SANITARY/STORM

SYMBOL	DESCRIPTION
EXST	PROP
	SAN. SEWER CLEAN OUT
	SAN. SEWER MANHOLE
	STORM DRAIN CATCH BASIN
	STORM DRAIN + CULVERT
	MANHOLE STORM DRAIN
	STORM DRAIN DRYWELL
	STORM DRAIN INLET
	SEPTIC TANK
	LOG WEIR
	STORM DRAINAGE RESTRICTOR/OIL POLLUTION CONTROL DEVICE

## SURFACE FEATURES

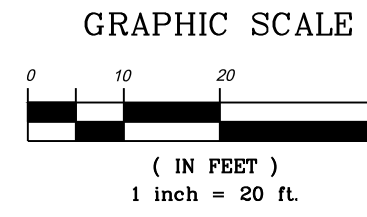
SYMBOL	DESCRIPTION
EXST	PROP
	BUS STOP
	EMBANKMENT
	MAIL BOX
	RIP RAP
	ROCKERY
	SHRUB
	SIGN
	TREE (Conifer)
	TREE (Deciduous)
	YARD LIGHT
	MARSH/WETLANDS



# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON  
EXISTING CONDITIONS



APPROVED

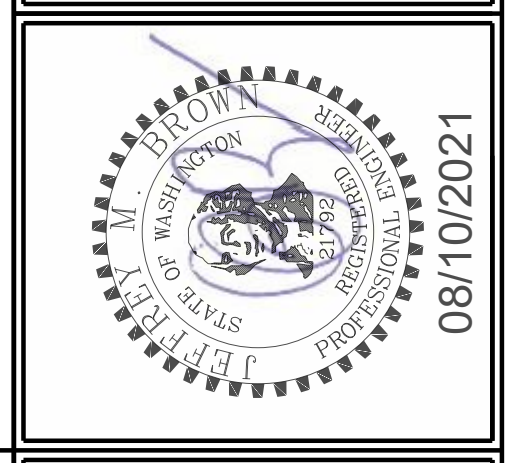
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

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

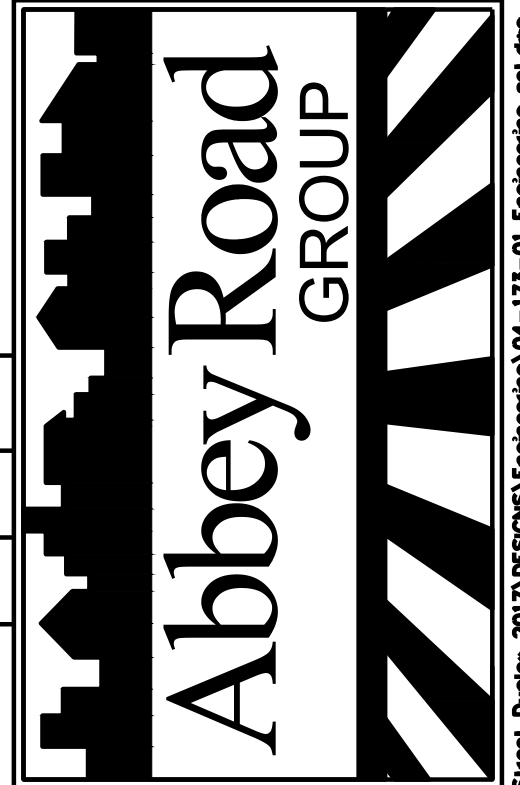
NOTE: THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

TITLE: 10TH Street Development Project Existing Conditions

FOR: Greg Helle P.O. BOX 280 PUYALLUP, WA 98371



Abbey Road Group Land Development Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



REVISIONS: \_\_\_\_\_

NO.	CHK.	APR.	DATE	PER.

JOB # 04-173

DESIGNED BY: PB

DEVELOPMENT REVIEW: PB

APPROVED BY: PB

DRAFTED BY: CL

DATE: 08/10/21

SHEET: C1.03

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM

SANITARY MANHOLE  
RIM=46.82  
C/L CHANNEL=42.07  
N & S 10" CONC. -  
FLOWS NORTH LADDER  
ON SOUTH

S88°23'43"W  
30.00(R1)

CATCH BASIN  
RIM=46.61  
I.E. 12" CONC.=40.91 S.  
I.E. 24" CONC.=38.17 N.  
I.E. 24" CONC.=40.91 S.

CATCH BASIN  
RIM=46.62  
I.E. 12" CONC.=42.67 SW  
I.E. 12" CONC.=42.37 N.

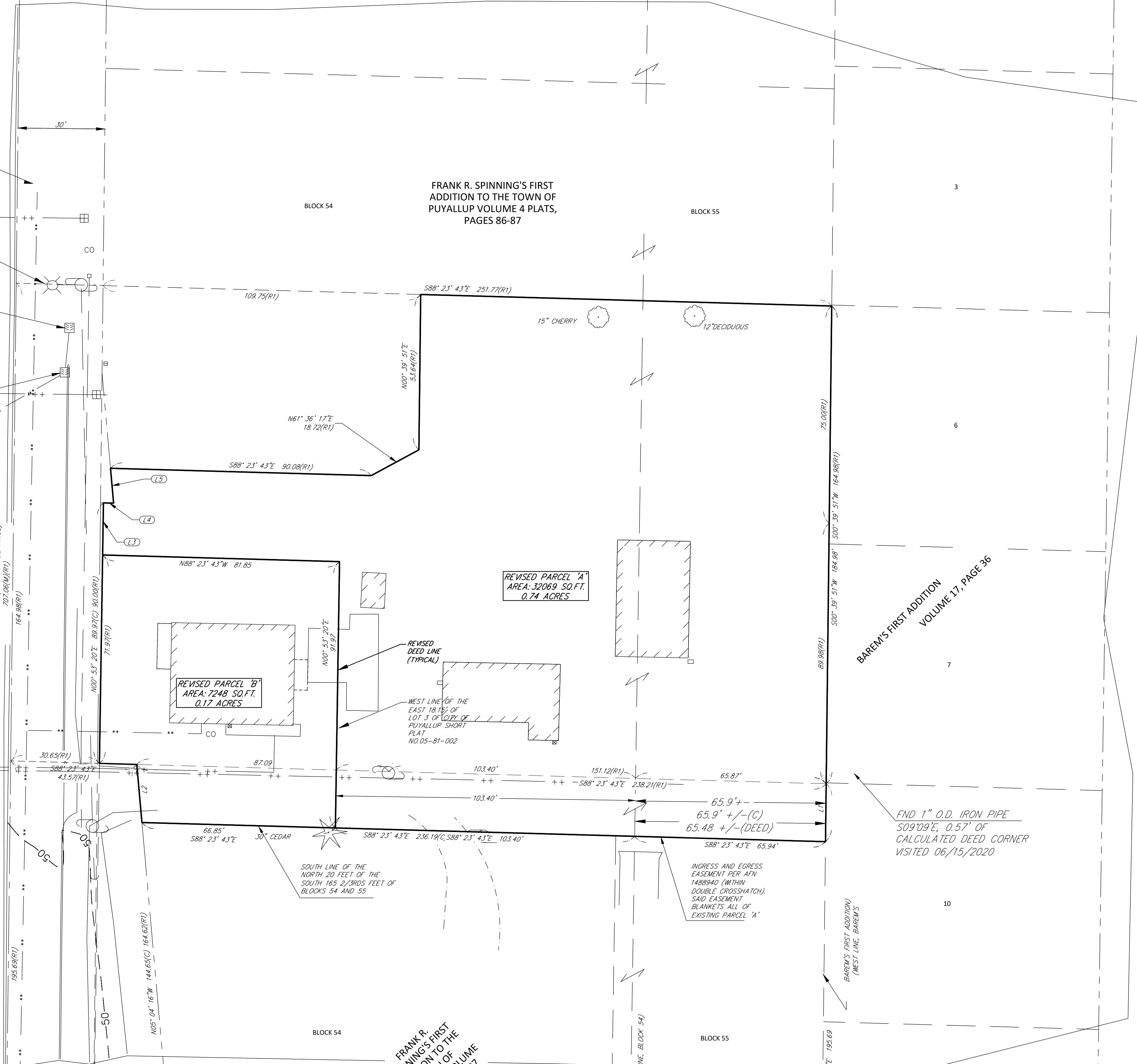
CATCH BASIN  
RIM=46.91  
I.E. 12" CONC.=43.27 NE

(SPINNING STREET)  
10TH STREET SE

11TH STREET SE

FRANK R. SPINNING'S FIRST  
ADDITION TO THE TOWN OF  
PUYALLUP VOLUME 4 PLATS,  
PAGES 86-87

BAREM'S FIRST ADDITION  
VOLUME 17, PAGE 36



REVISED PARCEL 'B'  
AREA: 7248 SQ.FT.  
0.17 ACRES

REVISED PARCEL 'A'  
AREA: 32069 SQ.FT.  
0.74 ACRES

FND 1" O.D. IRON PIPE  
S09°09'E, 0.57' OF  
CALCULATED DEED CORNER  
VISITED 06/15/2020

INGRESS AND EGRESS  
EASEMENT PER AEN  
1488940 (WITHIN  
DOUBLE CROSSHATCH).  
SAID EASEMENT  
BLANKETS ALL OF  
EXISTING PARCEL 'A'

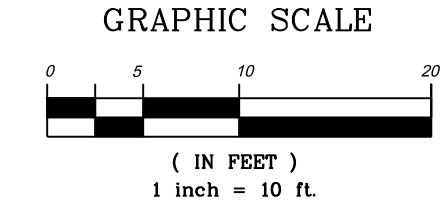
FRANK R.  
SPINNING'S FIRST  
ADDITION TO THE  
TOWN OF  
PUYALLUP VOLUME  
4, PAGES 86-87

FILE: \PROJECTS FILES (ACTIVE)\04-173\_ 10th Street Dupe - 2017\081021\Engineering\04-173-01\_Engineering\_sch.dwg  
Printed: 8/10/2021 11:37 AM  
Plotted By: Caleb Lundgren

# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

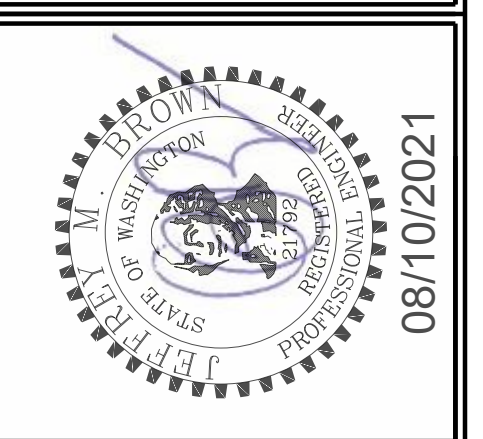
CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON  
PROPOSED BLA MAP EXHIBIT



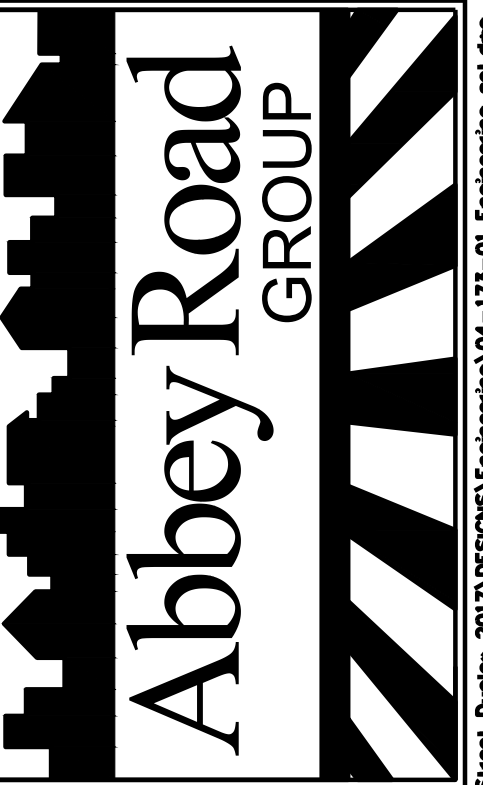
**APPROVED**  
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE: \_\_\_\_\_  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

**10TH Street**  
Development Project  
Proposed BLA Map Exhibit  
P.O. BOX 280  
PUYALLUP, WA 98371

FOR:  
**Greg Helle**  
P.O. BOX 280  
PUYALLUP, WA 98371

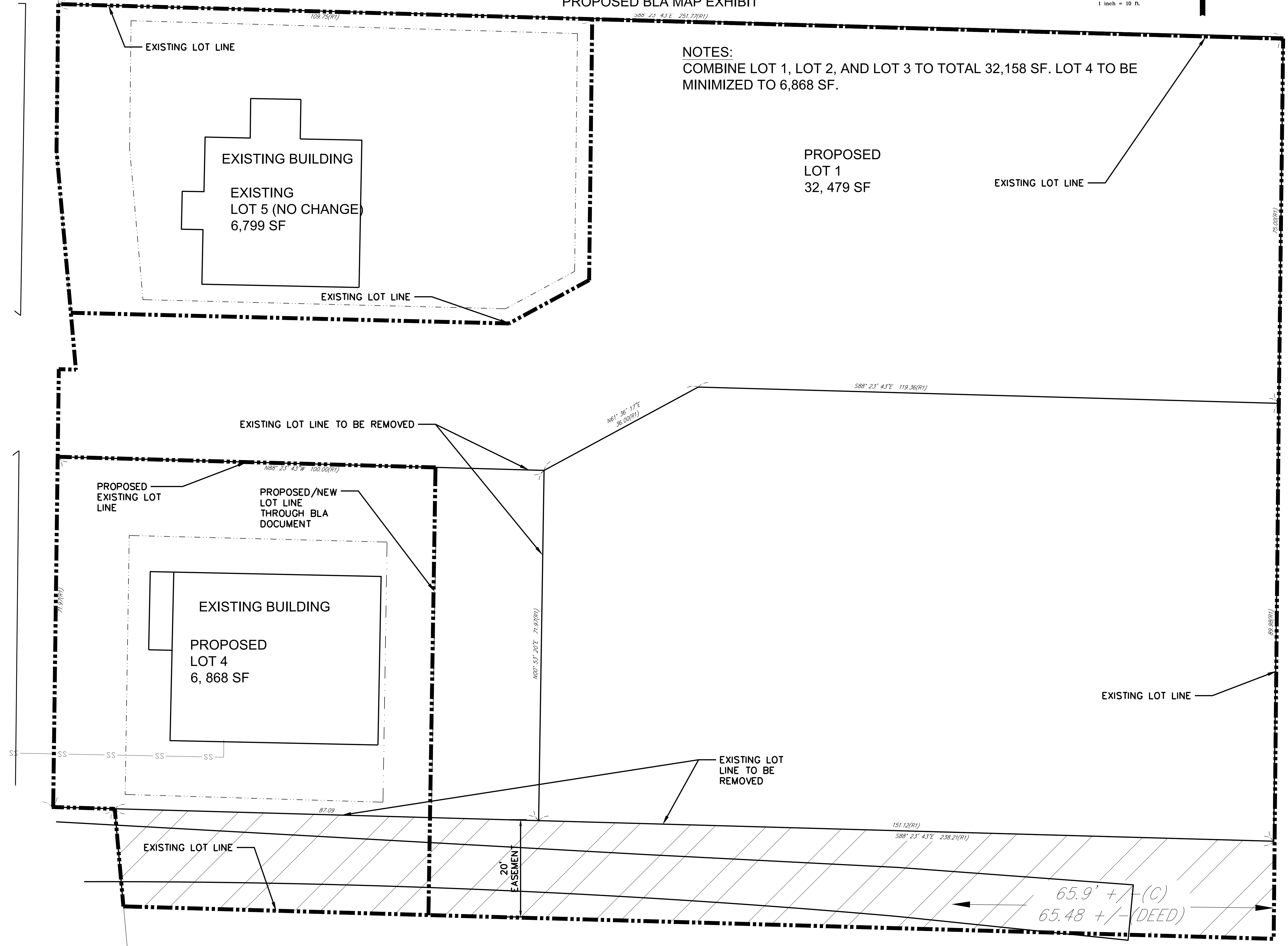


**Abbey Road Group**  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



REVISIONS:  
BY: \_\_\_\_\_  
CHK: \_\_\_\_\_  
APR: \_\_\_\_\_  
DATE: \_\_\_\_\_  
PER: \_\_\_\_\_

DESIGNED BY: PB
DEVELOPMENT REVIEW: PB
APPROVED BY: PB
DRAFTED BY: CL
DATE: 08/10/21
SHEET: _____



THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

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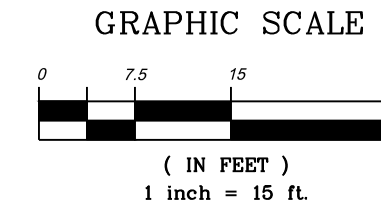


# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

#### SITE PLAN



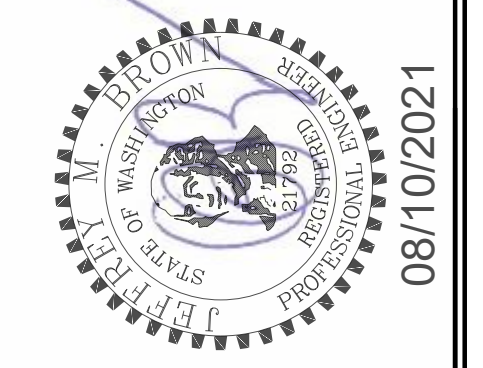
**APPROVED**

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

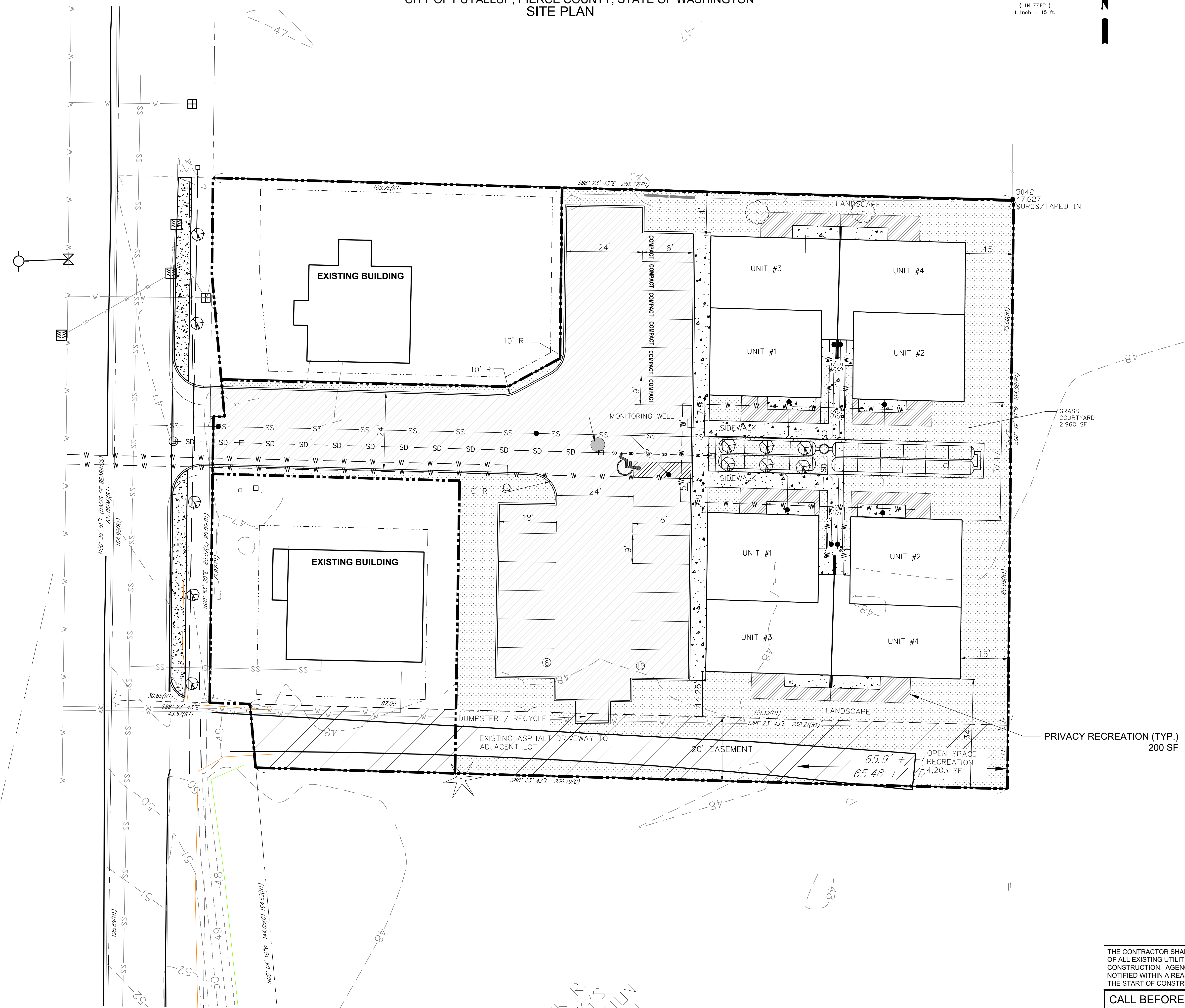
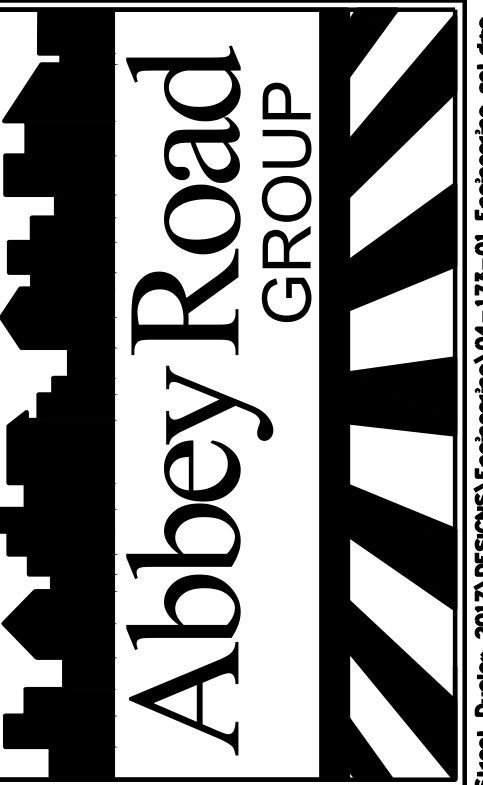
DATE: \_\_\_\_\_  
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10TH Street  
Development Project  
Site Plan

FOR:  
**Greg Helle**  
P.O. BOX 280  
PUYALLUP, WA 98371



**Abbey Road Group  
Land Development  
Services Company, LLC**  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



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**CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM**

REVISIONS:	BY:	CHK:	APR:	DATE:	PER:

JOB # 04-173	DESIGNED BY: PB	DEVELOPMENT REVIEW: PB	APPROVED BY: PB	DRAFTED BY: CL

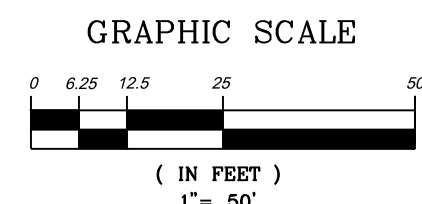


# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

#### FLOOR PLAN



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS 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 DEVELOPMENT ENGINEERING MANAGER.

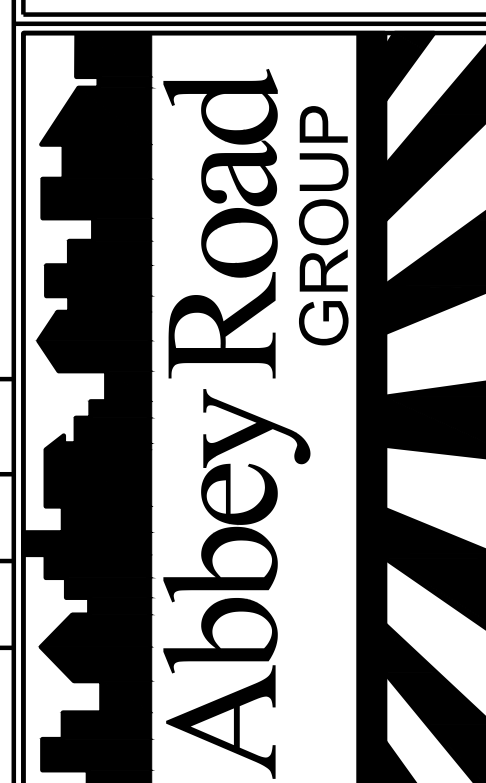


10TH Street  
Development Project  
Floor Plan

FOR:  
Greg Helle  
P.O. BOX 280  
PUYALLUP, WA 98371



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



REVISIONS:	CHK:	APR:	DATE:	PER:

JOB #:	04-173
DESIGNED BY:	PB
DEVELOPMENT REVIEW:	PB
APPROVED BY:	PB
DRAFTED BY:	CL
DATE:	08/10/21
SHEET:	C2.02

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

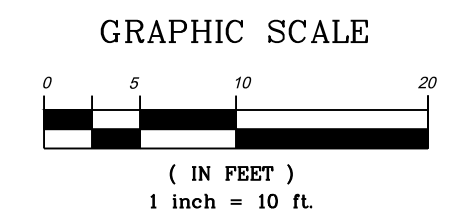
CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM



# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON GRADING PLAN



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

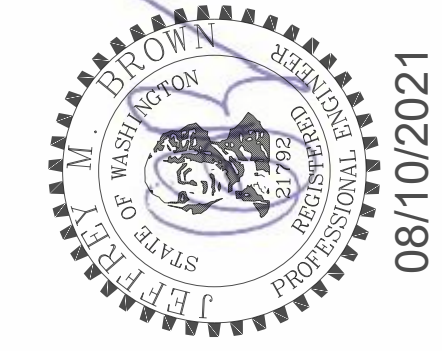
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10TH Street  
Development Project  
Grading Plan

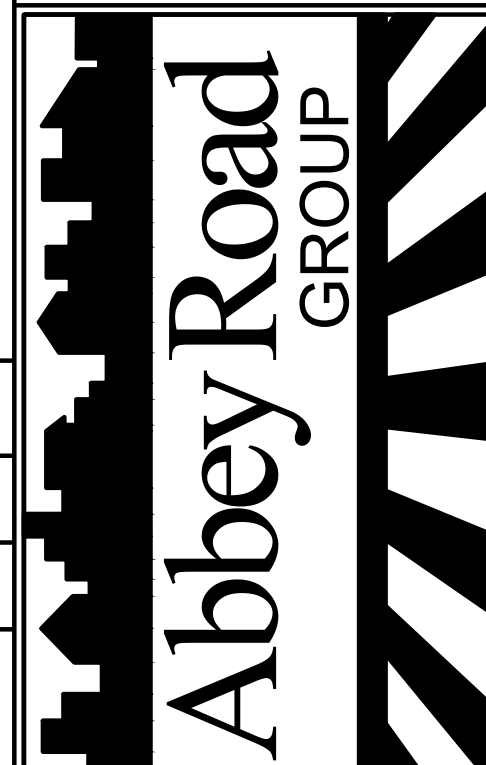
P.O. BOX 280  
PUYALLUP, WA 98371

FOR:  
Greg Helle

P.O. BOX 280  
PUYALLUP, WA 98371



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



NOTE:  
PROVIDE PERMEABLE PAVEMENT  
PER DETAIL, SHEET C6.01

LANDSCAPE

FF 50.00

GRASS  
COURTYARD  
2,960 SF

CONSTRUCT 4.5' SIDEWALK  
PER CITY STANDARD  
DETAIL 01.02.16, SHEET 6.01

RAMP  
PER DETAIL  
01.02.19,  
SHEET 6.01

RAMP  
PER DETAIL  
01.02.19,  
SHEET 6.01

FIRE ACCESS LANE

MONITORING WELL

COMMERCIAL DRIVEWAY  
ENTRANCE PER CITY STANDARD  
DETAIL 01.02.16, SHEET 6.01

EXISTING BUILDING

CONSTRUCT 4.5' SIDEWALK  
PER CITY STANDARD  
DETAIL 01.02.16, SHEET 6.01

EXISTING ASPHALT DRIVEWAY TO  
ADJACENT LOT

OPEN SPACE  
RECREATION  
4,203 SF

THE CONTRACTOR SHALL VERIFY THE LOCATION  
OF ALL EXISTING UTILITIES PRIOR TO ANY  
CONSTRUCTION. AGENCIES INVOLVED SHALL BE  
NOTIFIED WITHIN A REASONABLE TIME PRIOR TO  
THE START OF CONSTRUCTION.

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REVISIONS:	CHK:	APP:	DATE:	PER:

JOB #:	04-173
DESIGNED BY:	PB
DEVELOPMENT REVIEW:	PB
APPROVED BY:	PB
DRAFTED BY:	CL
DATE:	08/10/21
SHEET:	C3.01

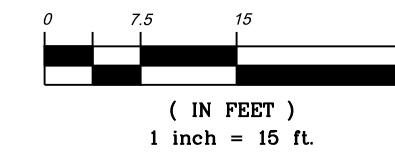


# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON  
STORM PLAN

GRAPHIC SCALE



APPROVED

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

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

**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS 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 DEVELOPMENT ENGINEERING MANAGER.

10TH Street  
Development Project  
Storm Plan

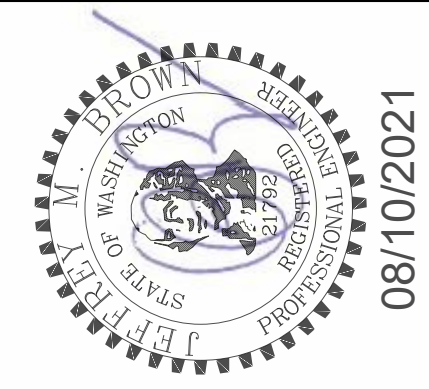
P.O. BOX 280  
PUYALLUP, WA 98371

TITLE:

FOR: Greg Helle

P.O. BOX 280  
PUYALLUP, WA 98371

FOR:



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



REVISIONS:

BY: \_\_\_\_\_

CHK: \_\_\_\_\_

APR: \_\_\_\_\_

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

PER: \_\_\_\_\_

DESIGNED BY: PB

DEVELOPMENT REVIEW: PB

APPROVED BY: PB

DRAFTED BY: CL

DATE: 08/10/21

SHEET: C4.01

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WWW.WASHINGTON811.COM

SANITARY MANHOLE  
RIM=46.82  
C/L CHANNEL=42.07  
N & S 10" CONC. -  
FLOWS NORTH LADDER  
ON SOUTH

CATCH BASIN  
RIM=46.61  
I.E. 12" CONC.=40.91 S  
I.E. 24" CONC.=38.17 N  
I.E. 24" CONC.=40.91 S

CATCH BASIN  
RIM=46.62  
I.E. 12" CONC.=42.67 SW  
I.E. 12" CONC.=42.37 N

CATCH BASIN  
RIM=46.91  
I.E. 12" CONC.=43.27 NE

SDCB TYPE II - 48"  
RIM = 47.00 (VERIFY)  
IE = 41.20 EX. 24" CONC. (N,S)  
(VERIFY)  
IE = 42.20 12" PVC (E)

EX. 24" CONC. STROM

EXISTING BUILDING

SDCB TYPE I W/GRATE  
RIM = 47.80  
IE = 43.95 12" PVC (E,W)  
SDCB TYPE I W/GRATE  
RIM = 47.00  
IE = 42.82 12" PVC (E,W)

UNIT #3

UNIT #1

UNIT #4

UNIT #2

GRASS  
COURTYARD  
2,960 SF

CONTECH CHAMBERMAXX  
INFILTRATION SYSTEM  
(20 CHAMBERS REQUIRED)  
BOTTOM EL = 44.30  
OVERFLOW EL = 47.80

PRIVACY RECREATION (TYP.)  
200 SF

EXISTING BUILDING

SDCB TYPE I  
RIM = 49.30  
IE = 44.30 12" PVC (W)  
W/ OVERFLOW UPTURNED  
ELBOW IE = 47.80

UNIT #1

UNIT #3

UNIT #2

UNIT #4

20' EASEMENT

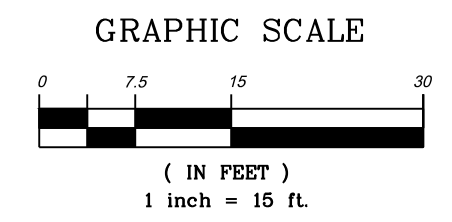


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# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON



**APPROVED**

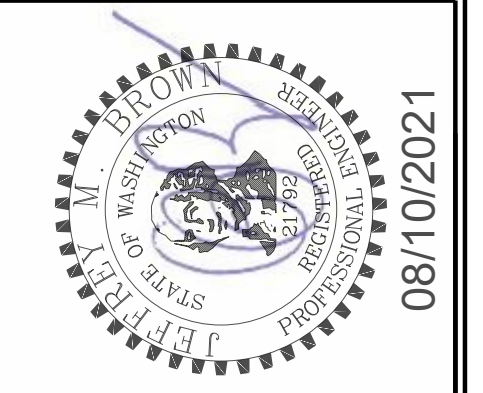
BY: \_\_\_\_\_  
 CITY OF PUYALLUP  
 DEVELOPMENT ENGINEERING

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

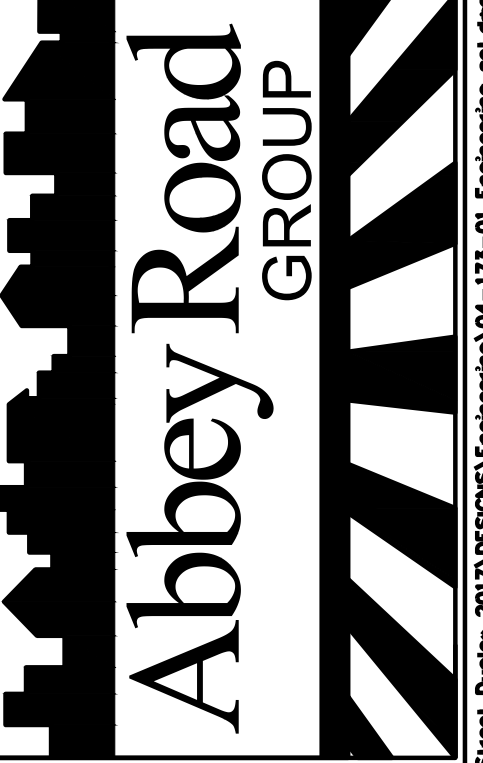
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**10TH Street  
 Development Project  
 Water Plan**

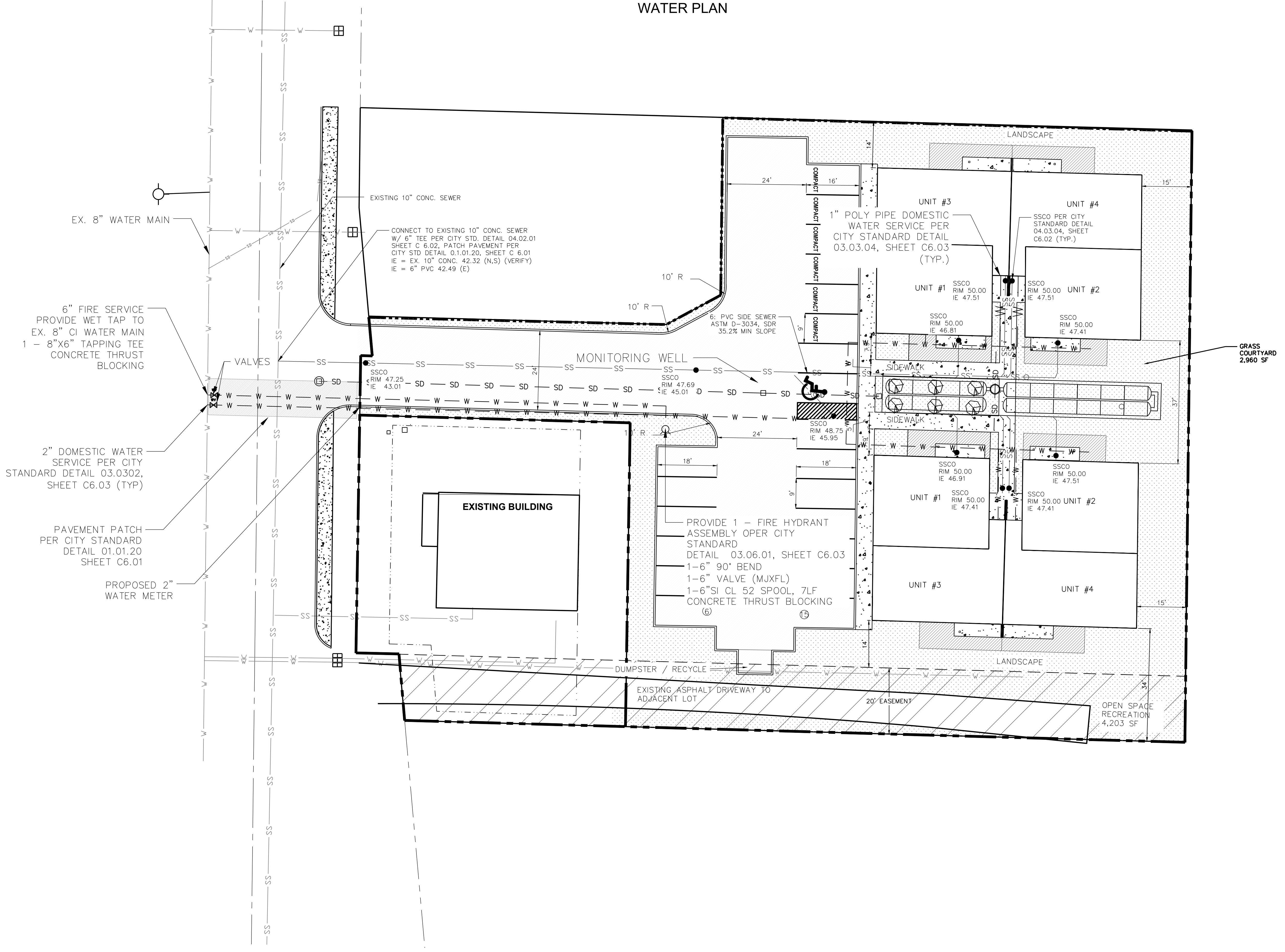
**FOR:**  
 Greg Helle  
 P.O. BOX 280  
 PUYALLUP, WA 98371



**Abbey Road Group  
 Land Development  
 Services Company, LLC**  
 2102 E MAIN AVE, SUITE 109  
 PUYALLUP, WA 98372  
 P.O. Box 1224, Puyallup, WA 98371  
 (253) 435-3699, Fax (253) 446-3159



## WATER PLAN



THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

**CALL BEFORE YOU DIG (811)  
 WWW.WASHINGTON811.COM**

REVISIONS:	BY:	CHK:	APR:	DATE:	PER:

JOB #:	04-173
DESIGNED BY:	PB
DEVELOPMENT REVIEW:	PB
APPROVED BY:	PB
DRAFTED BY:	CL
DATE:	08/10/21
SHEET:	C5.01

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 Plotted By: Cecil Lundgren



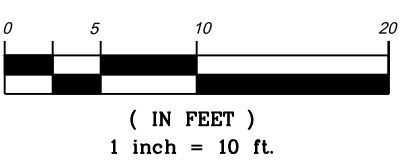
# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

## SANITARY SEWER PLAN

GRAPHIC SCALE



APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

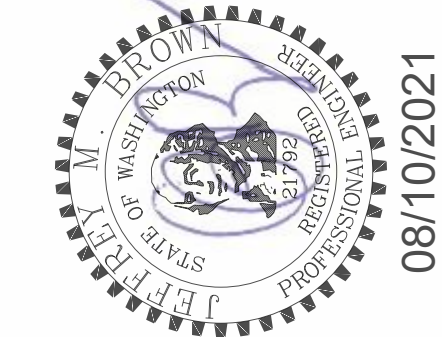
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10TH Street  
Development Project  
Sanitary Sewer Plan

P.O. BOX 280  
PUYALLUP, WA 98371

FOR: Greg Helle

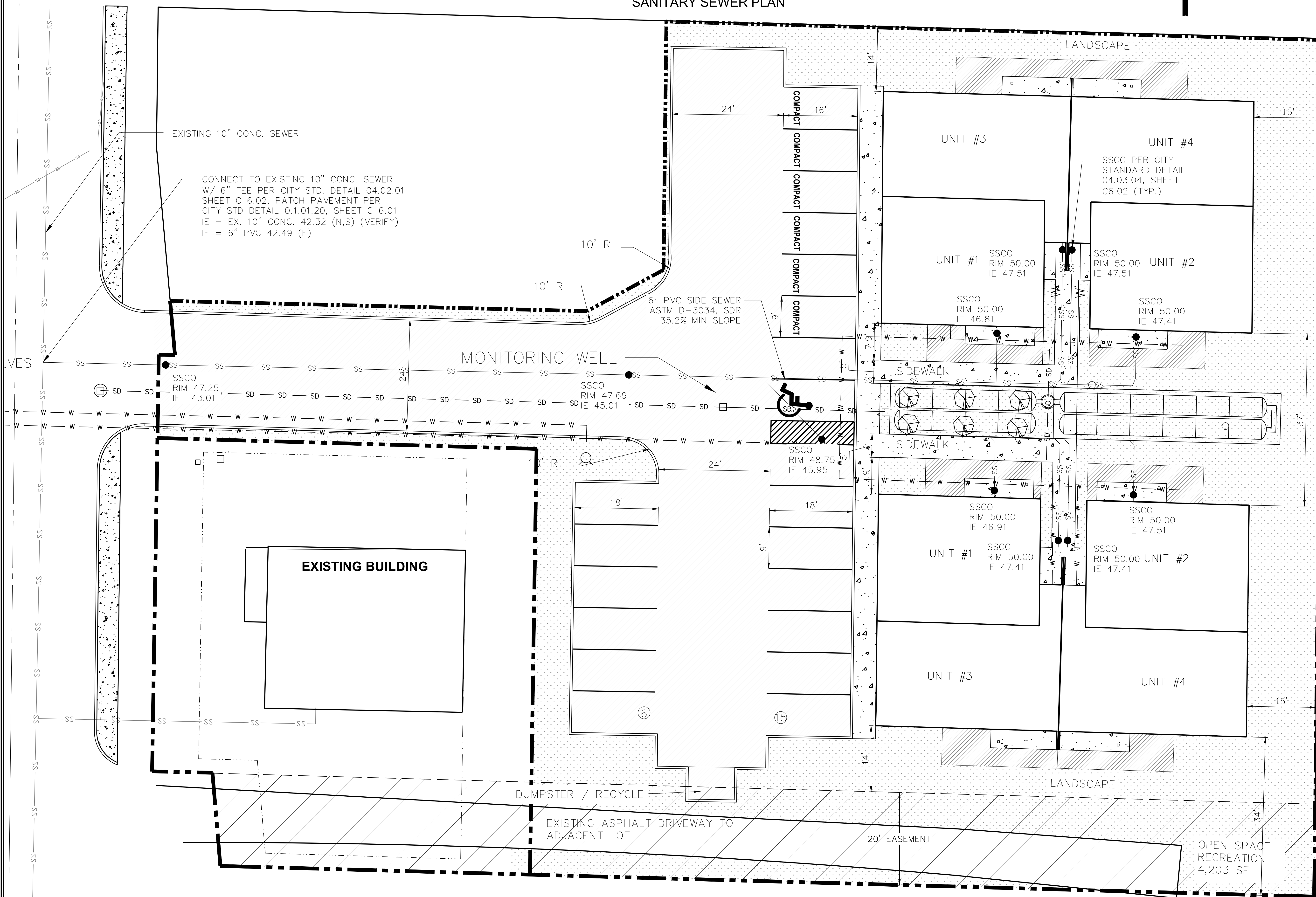
P.O. BOX 280  
PUYALLUP, WA 98371



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159



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Printed: 8/10/2021 11:38 AM



EXISTING 10" CONC. SEWER

CONNECT TO EXISTING 10" CONC. SEWER  
W/ 6" TEE PER CITY STD. DETAIL 04.02.01  
SHEET C 6.02, PATCH PAVEMENT PER  
CITY STD DETAIL 0.1.01.20, SHEET C 6.01  
IE = EX. 10" CONC. 42.32 (N,S) (VERIFY)  
IE = 6" PVC 42.49 (E)

MONITORING WELL

EXISTING BUILDING

DUMPSTER / RECYCLE

EXISTING ASPHALT DRIVEWAY TO  
ADJACENT LOT

20' EASEMENT

OPEN SPACE  
RECREATION  
4,203 SF

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM

REVISIONS:	CHK:	APPR:	DATE:	PER:
BY:				
DESIGNED BY: PB				
DEVELOPMENT REVIEW: PB				
APPROVED BY: PB				
DRAFTED BY: CL				
DATE: 08/10/21				
SHEET: C5-02				

JOB #: 04-173

DESIGNED BY: PB

DEVELOPMENT REVIEW: PB

APPROVED BY: PB

DRAFTED BY: CL

DATE: 08/10/21

SHEET: C5-02



# 10TH STREET DEVELOPEMENT PROJECT

## SEC 27 / TWP 20 / RGE 4 E, W.M.

### CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON NOTES & DETAILS

APPROVED

BY: CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING

DATE:

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10TH Street  
Development Project  
Notes & Details

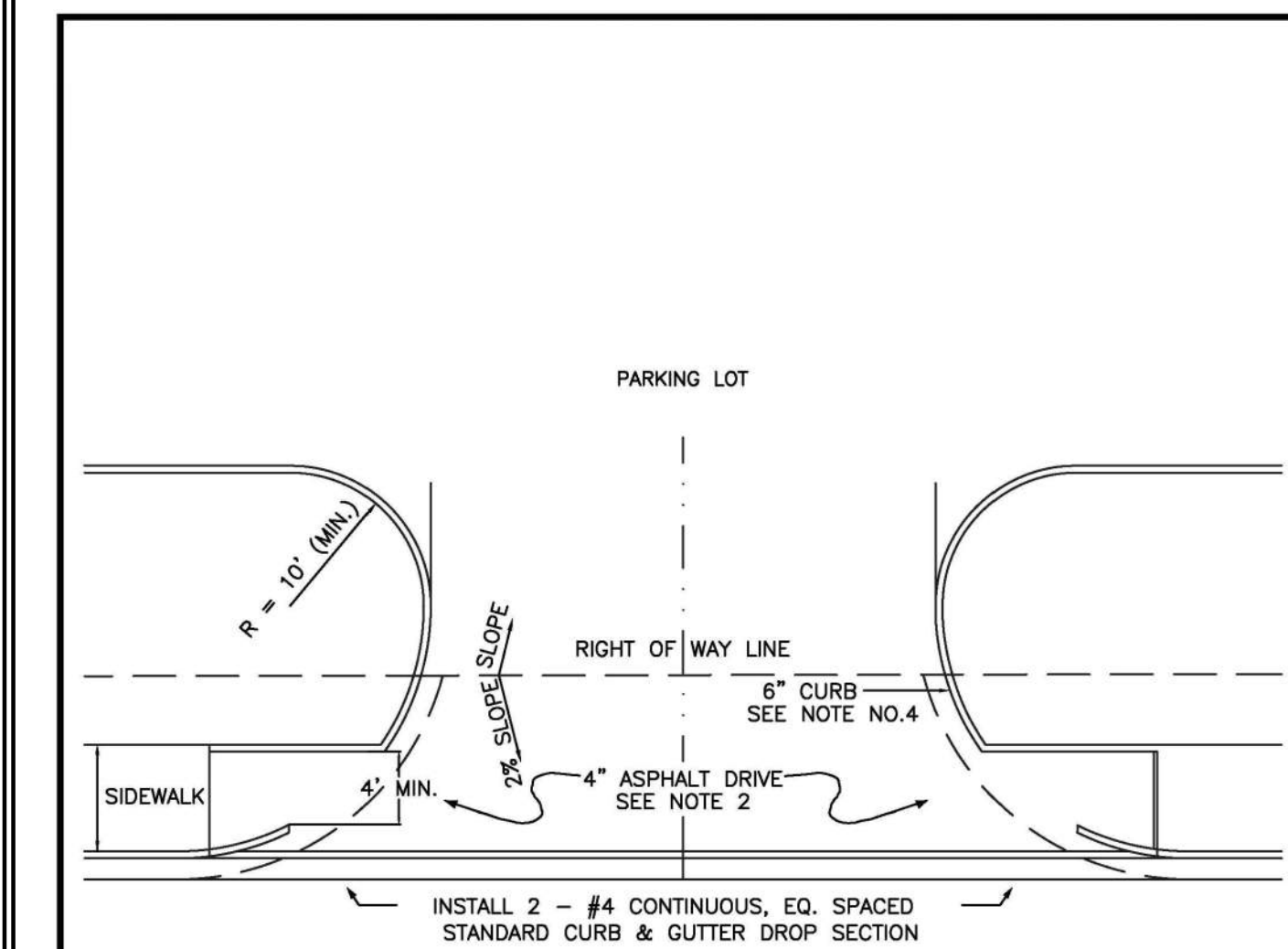
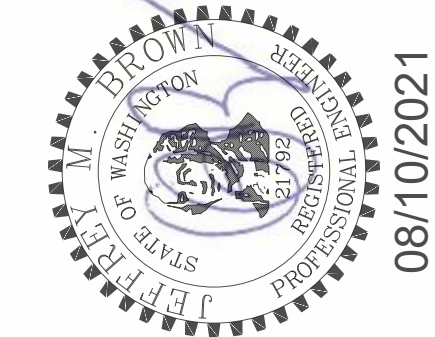
P.O. BOX 280  
PUYALLUP, WA 98371

TITLE:

FOR: Greg Helle

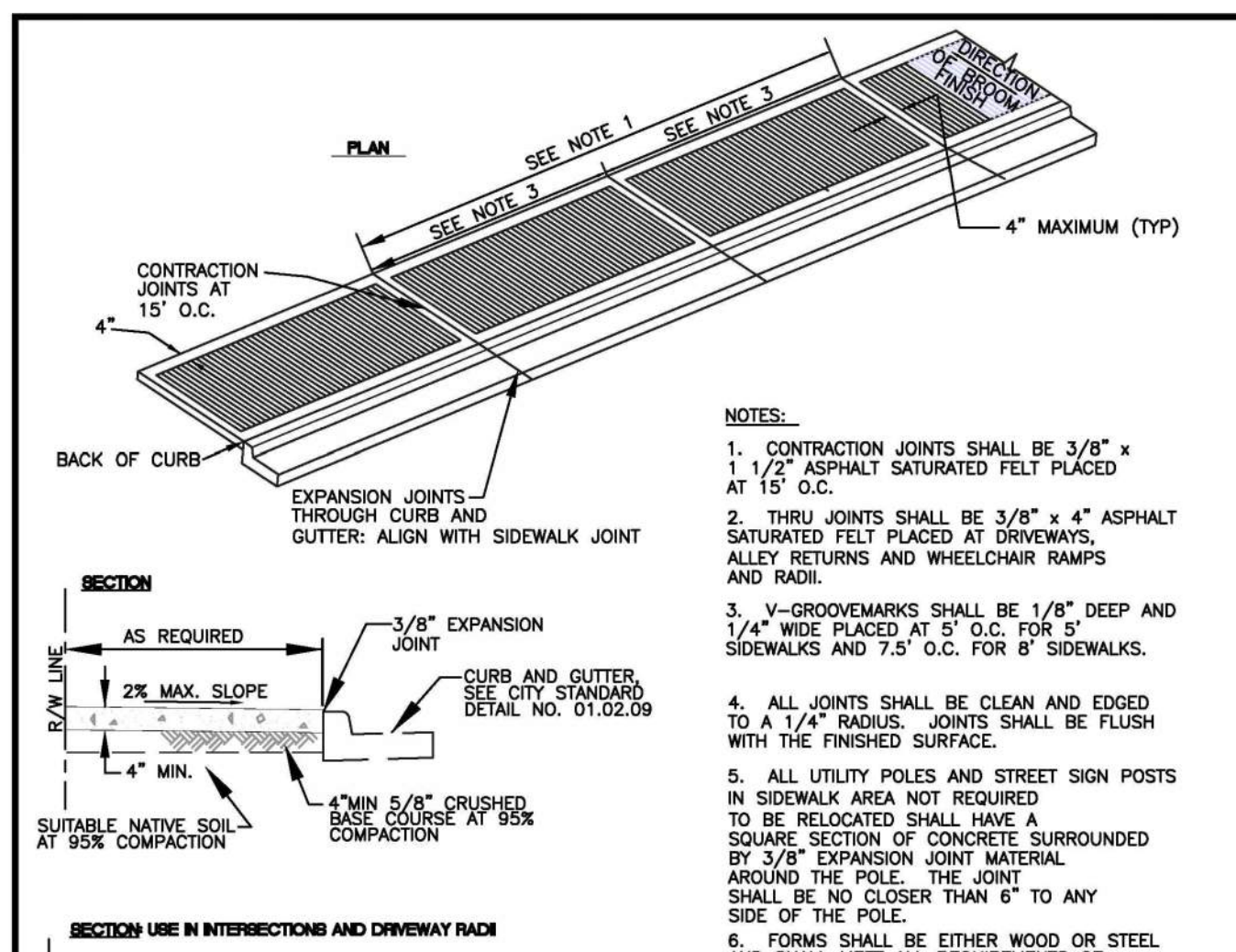
P.O. BOX 280  
PUYALLUP, WA 98371

FOR:



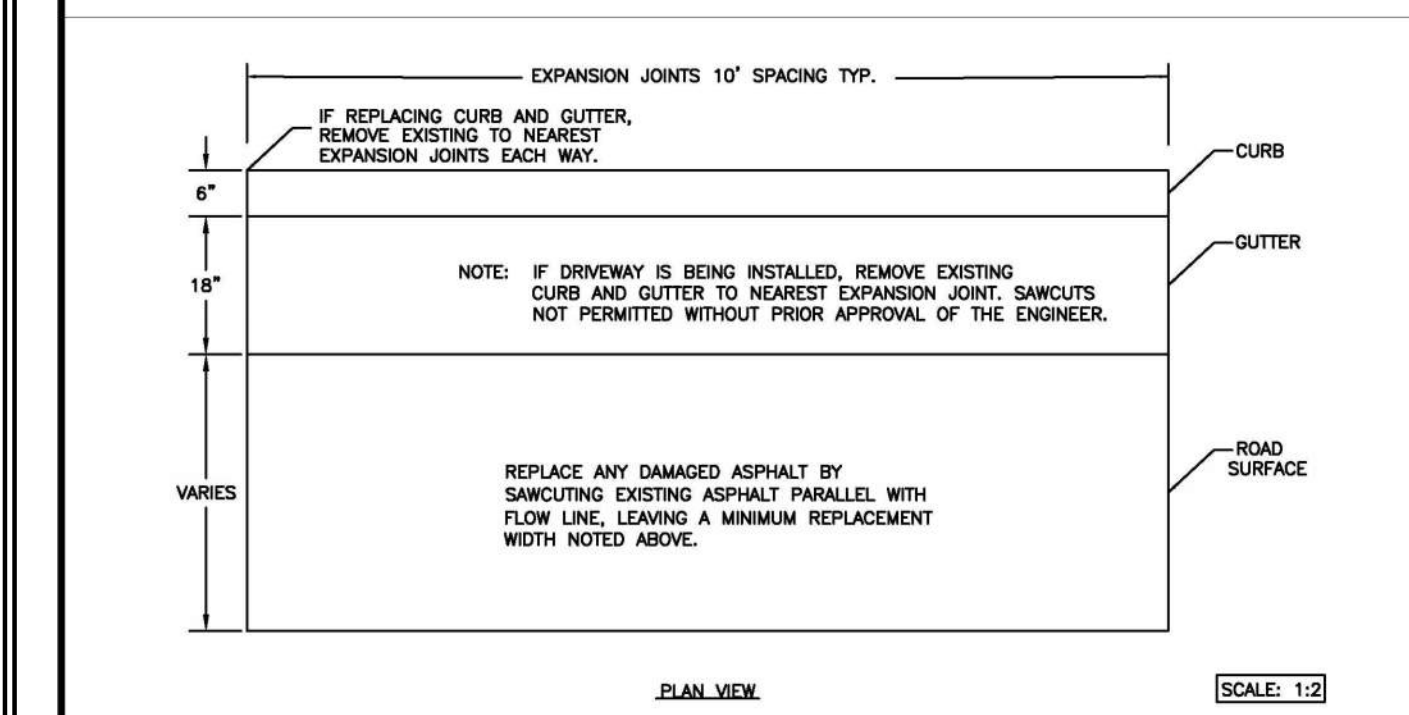
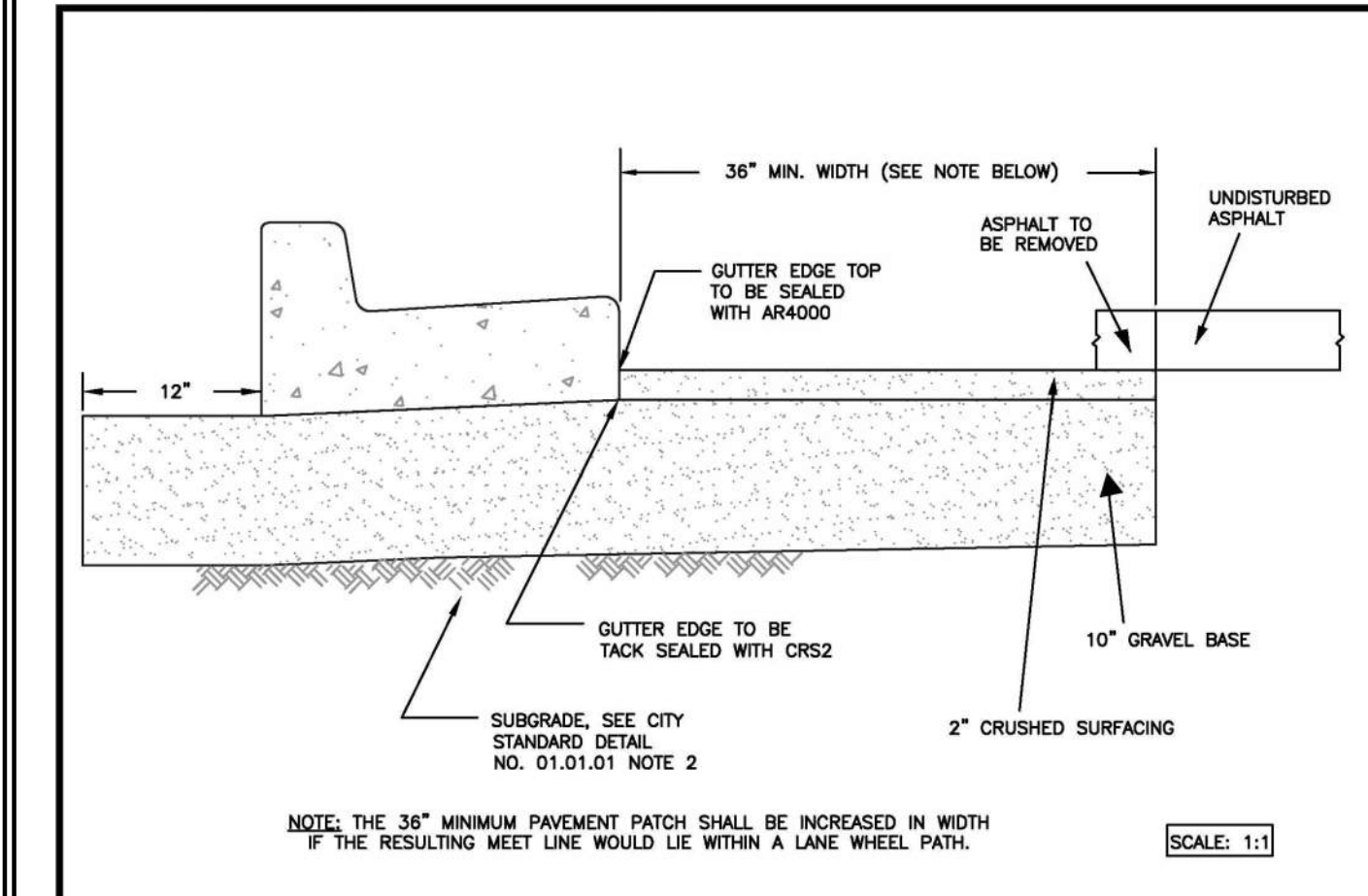
- 1. TYPICAL COMMERCIAL APPROACHES SHALL BE 30' WIDE AND INCLUDE 35' CURB RADI... IF TRUCKS ARE EXPECTED TO USE THE APPROACH, DRIVEWAY WIDTH, CHANNELIZATION, AND CURB RADI SHALL BE BASED ON AN APPROVED TURNING MOVEMENT ANALYSIS.
- 2. ALL ASPHALT PAVEMENT MUST CONFORM TO CITY STANDARD NO. 01.01.01.
- 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 MEASURED 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 STANDARD COMMERCIAL APPROACH. DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS. APPROVED BY: LINDA LIAN, CHECKED BY: COLLEEN BARBER, REVISION: 01.02.16.

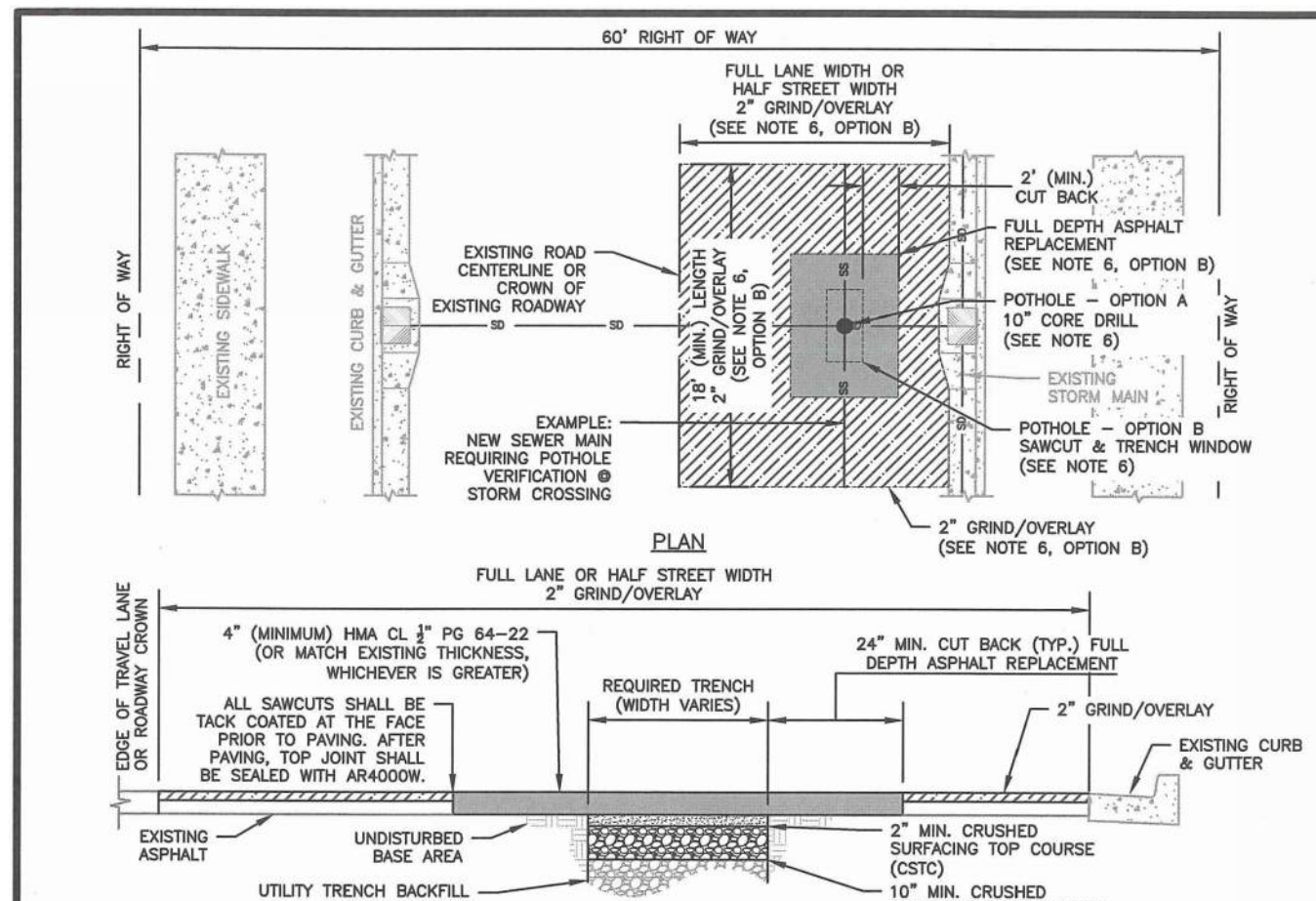


- 5' (RS ZONES) SINGLE FAMILY RESIDENTIAL AREAS (DETACHED DWELLINGS)
- 6' (RS ZONES) COMMERCIAL USES WHEN REQUIRED BY DEVELOPMENT SERVICES MANAGER
- 6' (RM ZONES) MEDIUM AND HIGH DENSITY MULTI-FAMILY RESIDENTIAL AREAS
- 8' (ML ZONES) INDUSTRIAL AREAS
- 8' (CG, CBD ZONES) COMMERCIAL AREAS
- 8' (PF ZONES) PUBLIC FACILITIES AREAS
- 8' (F ZONES) FAIR AREAS
- \* MATCH GREATEST WIDTH FOR ANY ADJACENT ZONE

CITY OF PUYALLUP SIDEWALK WITHOUT PLANTING STRIP. DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS. APPROVED BY: LINDA LIAN, CHECKED BY: COLLEEN BARBER, REVISION: 01.02.01.



CITY OF PUYALLUP CURB CUT. DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS. APPROVED BY: LINDA LIAN, CHECKED BY: COLLEEN BARBER, REVISION: 01.02.10.



- 1. BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
- 2. ALL DEPTHS INDICATED ARE A MINIMUM COMPACTED DEPTH.
- 3. INITIAL BACKFILLING SHALL BE PERFORMED ONLY AFTER INSPECTION AND APPROVAL OF THE INSTALLED PIPE OR STRUCTURE. THE TRENCH BACKFILL MATERIAL SHALL BE ACCORDANCE WITH CITY STANDARD DETAIL NO. 02.01.01.
- 4. ALL BACKFILL FOR PIPE TRENCHES SHALL BE MECHANICALLY COMPACTED BY A POWER-OPERATED MECHANICAL TAMPER(S) AS SPECIFIED IN WSDOT STANDARD SPEC. 2-03.3 (1+), COMPACTING EARTH EMBANKMENTS, METHOD C OF THE WSDOT STANDARD SPECIFICATIONS.
- 5. IF PAVING SURFACES ADJACENT TO THE TRENCH OPENING MAY BE DAMAGED WHERE TRENCHES ARE MADE PARALLEL TO THE STREET, OR WHERE A NUMBER OF CROSS TRENCHES ARE LAID IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THE EQUIPMENT USED MAY CAUSE SUCH DAMAGE, THE CITY ENGINEER MAY REQUIRE A NEGOTIATED CONTRIBUTION FROM THE PERMITTEE FOR RESURFACING IN LIEU OF PAVING.
- 6. POTHOLES FOR UTILITIES: OPTION A - UP TO A 10\"/>

CITY OF PUYALLUP STREET PATCH. DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS. APPROVED BY: LINDA LIAN, CHECKED BY: COLLEEN BARBER, REVISION: 01.01.20.

#### NOTES:

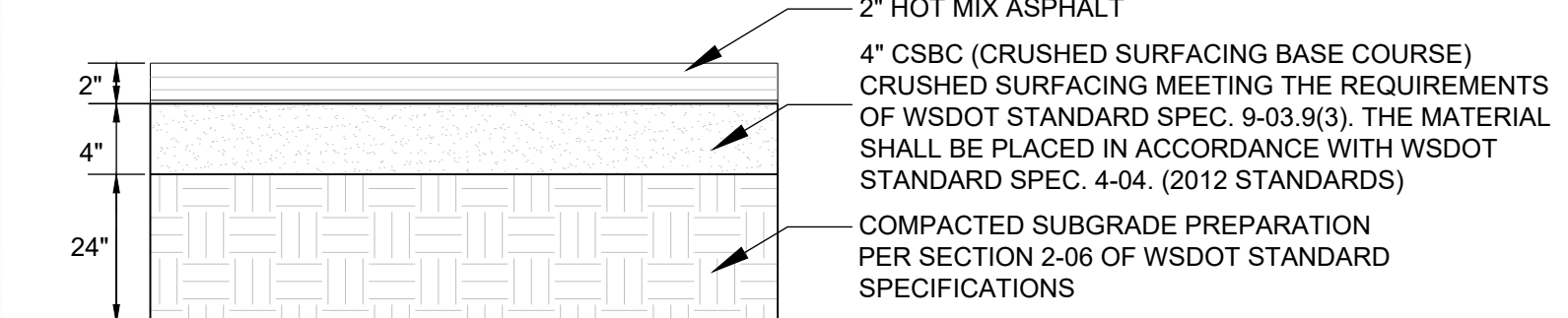
- 1. AT ANY TIME DURING CONSTRUCTION IT IS DETERMINED BY THE CITY THAT MUD AND DEBRIS ARE BEING TRACKED ONTO PUBLIC STREETS WITH INSUFFICIENT CLEANUP, ALL WORK SHALL CEASE ON THE PROJECT UNTIL THIS CONDITION IS CORRECTED. THE CONTRACTOR AND/OR THE OWNER SHALL IMMEDIATELY TAKE ALL STEPS NECESSARY TO PREVENT FUTURE TRACKING OF MUD AND DEBRIS INTO THE PUBLIC ROW, WHICH MAY INCLUDE THE INSTALLATION OF A WHEEL WASH FACILITY ON-SITE.
- 2. SEDIMENT-LADEN RUNOFF SHALL NOT BE ALLOWED TO DISCHARGE BEYOND THE CONSTRUCTION LIMITS IN ACCORDANCE WITH THE PROJECT'S NPDES CONSTRUCTION STORMWATER GENERAL PERMIT.
- 3. CONTRACTOR SHALL DESIGNATE A WASHINGTON DEPT. OF ECOLOGY CERTIFIED EROSION AND SEDIMENT CONTROL LEADPERSON, AND SHALL COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR THE PROJECT.
- 4. CONSTRUCTION SWPPP AND NPDES CONSTRUCTION STORMWATER GENERAL PERMIT SHALL BE KEPT ON-SITE AT ALL TIMES.
- 5. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY AT (360)407-6300.

#### GENERAL NOTES:

- 1. 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 PRE-CONSTRUCTION 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 REPRESENTATIVES OF INVOLVED UTILITIES AND THE CITY OF PUYALLUP. CONTACT THE ENGINEERING SERVICES TO SCHEDULE THE MEETING (253-841-5568). THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF PLANS AT THE MEETING.
- 2. 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.
- 3. 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").
- 4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
- 5. 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.
- 6. 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.
- 7. ANY STRUCTURE AND/OR OBSTRUCTION THAT REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.

#### CONSTRUCTION SEQUENCE:

- 1. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRECONSTRUCTION MEETING MUST BE HELD BETWEEN CITY OF PUYALLUP, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE, AND CONTRACTOR PERMITTEE.
- 2. FLAG CLEARING LIMITS.
- 3. REPAIR OR REPLACE SILT FENCE AS NEEDED.
- 4. RE-GRADE TEMPORARY SEDIMENT POND
- 5. SCHEDULE EROSION CONTROL INSPECTION WITH CITY.
- 6. CLEAR AND GRUB.
- 7. ROUGH GRADE ROADWAYS.
- 8. INSTALL WATER, SEWER & STORM LINES.
- 9. FINISH GRADE ROADWAY.
- 10. CONSTRUCT CURB AND GUTTER
- 11. INSTALL PHONE, CABLE, POWER, ETC..
- 12. CONSTRUCT SIDEWALKS ALONG TRACTS ONLY PAVE ROADS..
- 13. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF PUYALLUP STANDARDS AND MANUFACTURER'S RECOMMENDATIONS, AND NPDES CONSTRUCTION STORMWATER GENERAL PERMIT.
- 14. RELOCATE SURFACE WATER CONTROLS OR EROSION CONTROL MEASURES, INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE EROSION AND SEDIMENTATION CONTROL IS IN ACCORDANCE WITH CITY OF PUYALLUP REQUIREMENTS, AND NPDES CONSTRUCTION STORMWATER GENERAL PERMIT.
- 15. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN FIVE DAYS DURING THE DRY SEASON OR TWO DAYS DURING THE WET SEASON, OR AS NECESSARY BASED ON THE WEATHER FORECAST, WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT. (MAY 1ST TO SEPTEMBER 30 AND OCTOBER 1 TO MAY 30, RESPECTIVELY).
- 16. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.
- 17. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- 18. UPON COMPLETION OF PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMP'S AS APPROPRIATE.
- 19. UPON COMPLETION OF PROJECT CLEAN STORM PIPE
- 20. REMOVE EROSION CONTROL MEASURES.
- 21. CLEAN-UP.



SITE ASPHALT CROSS SECTION  
N.T.S.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.  
CALL BEFORE YOU DIG (811)  
WWW.WASHINGTON811.COM

Abbey Road Group Land Development Services Company, LLC. 2102 E MAIN AVE, SUITE 109 PUYALLUP, WA 98372. P.O. Box 1224, Puyallup, WA 98371 (253) 435-3699, Fax (253) 446-3159. Abbey Road GROUP. DESIGNED BY: PB. DEVELOPMENT REVIEW: PB. APPROVED BY: PB. DRAFTED BY: CL. DATE: 08/10/21. SHEET: C6-01. JOB #: 04-173. REVISIONS: CHK: APR: DATE: PER: DESIGNER: PB. DEVELOPMENT REVIEW: PB. APPROVED BY: PB. DRAFTED BY: CL. DATE: 08/10/21. SHEET: C6-01.







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# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

## NOTES & DETAILS 3

**APPROVED**  
 BY: \_\_\_\_\_  
 CITY OF PUYALLUP  
 DEVELOPMENT ENGINEERING  
 DATE: \_\_\_\_\_

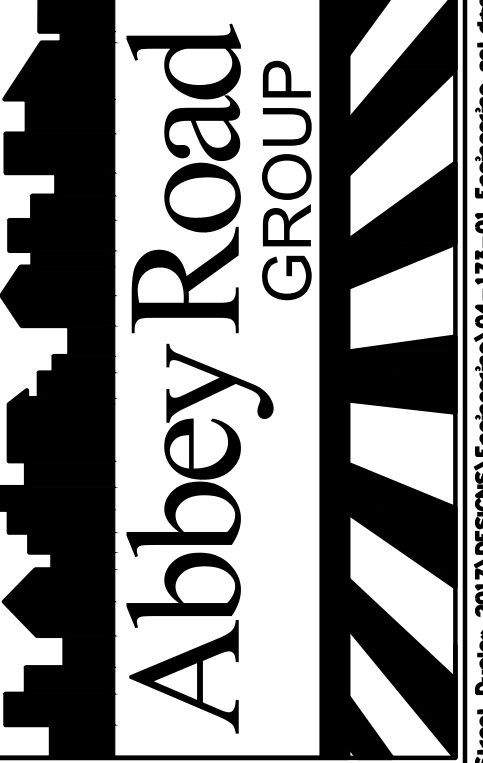
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

**10TH Street**  
**Development Project**  
**Notes & Details 3**  
 P.O. BOX 280  
 PUYALLUP, WA 98371

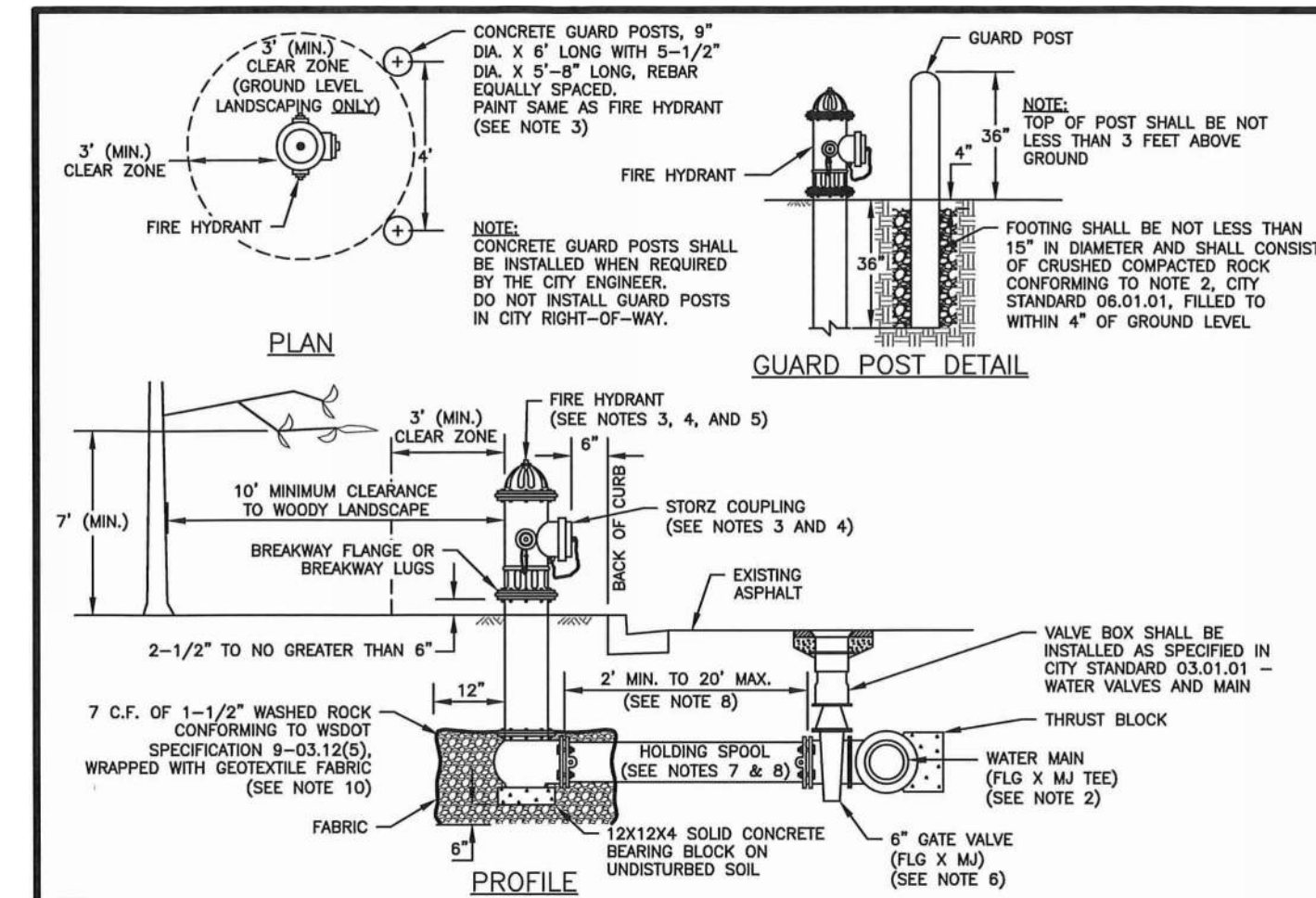
**Greg Helle**  
 P.O. BOX 280  
 PUYALLUP, WA 98371



**Abbey Road Group**  
**Land Development**  
**Services Company, LLC**  
 2102 E MAIN AVE, SUITE 109  
 PUYALLUP, WA 98372  
 P.O. Box 1224, Puyallup, WA 98371  
 (253) 435-3699, Fax (253) 446-3159

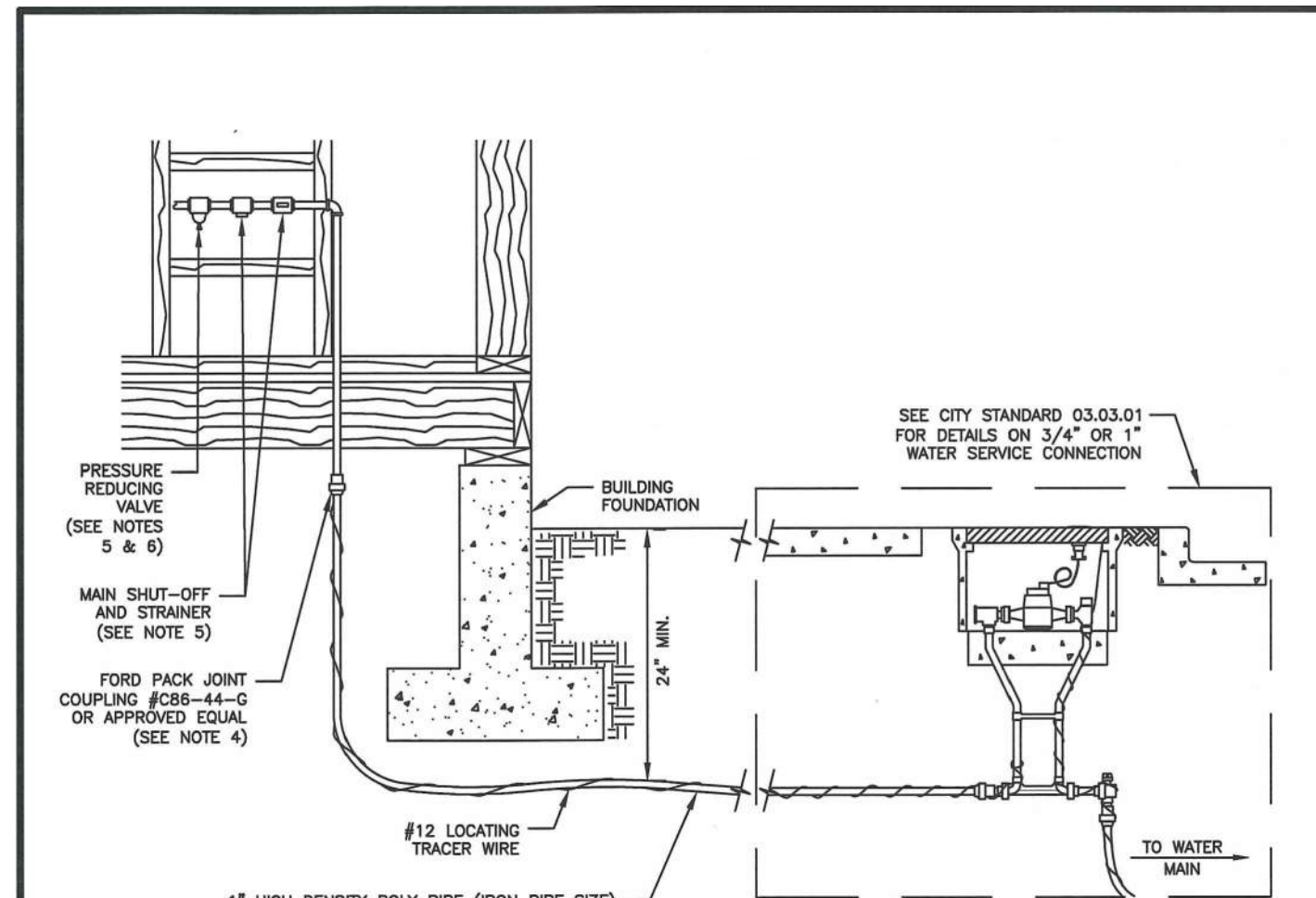


**Abbey Road**  
**GROUP**



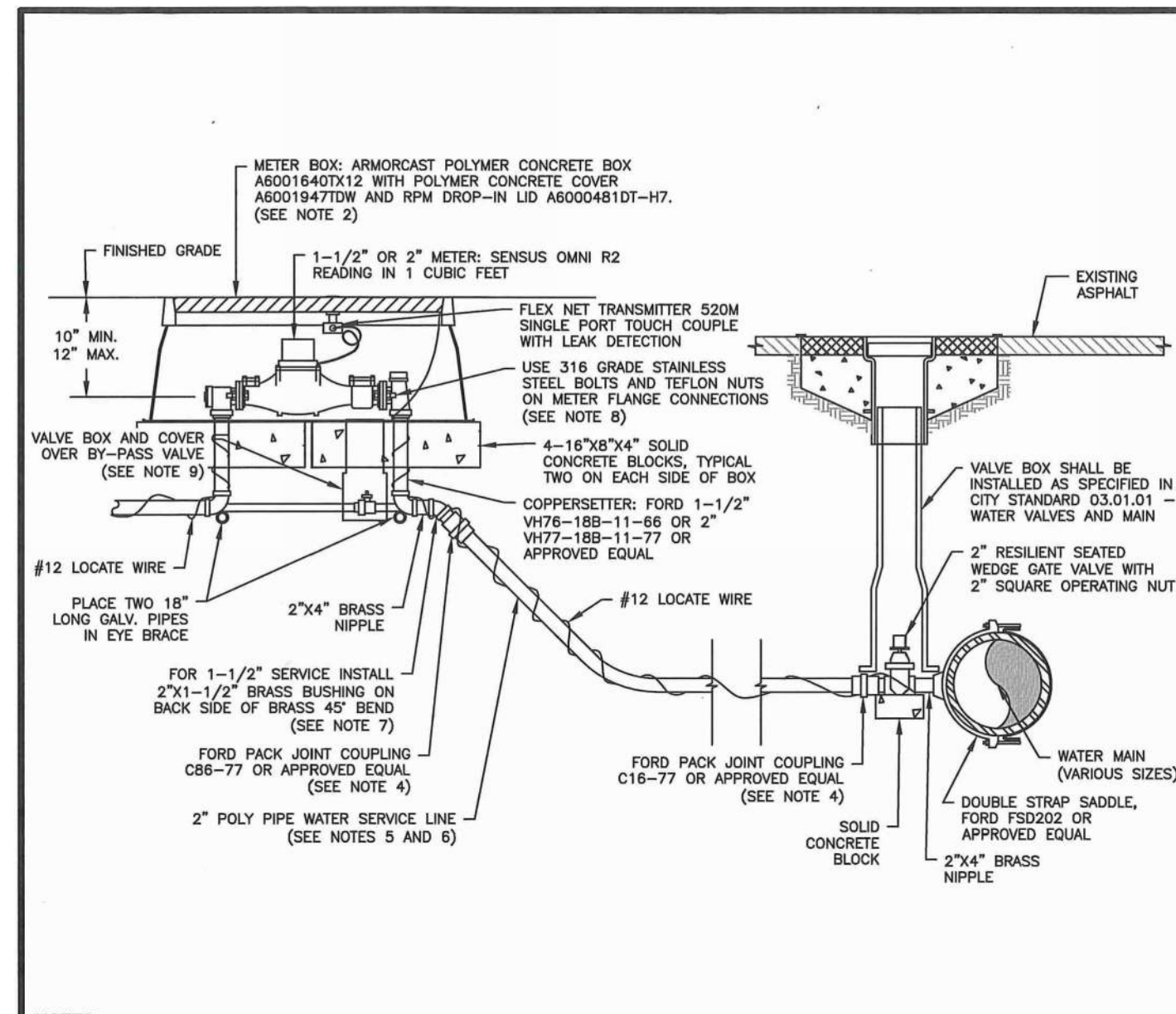
- NOTES:**
1. ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL.
  2. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
  3. THE FIRE HYDRANT AND CONCRETE GUARD POSTS SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 (TWO COATS) OR AN APPROVED EQUAL. THE STORZ FITTING SHALL NOT BE PAINTED.
  4. FIRE HYDRANTS SHALL HAVE TWO 2-1/2" HOSE PORTS (NATIONAL STANDARD THREAD) WITH CAPS AND CHAINS AND ONE 4" PUMPER PORT (8B TACOMA STEAMER PORT THREAD) WITH A 6" STORZ COUPLING AND BLIND CAP INSTALLED ON THE STEAMER PORT. (STEAMER PORT SHALL FACE THE STREET). 1-1/4" PENNSYLVANIA OPERATING NUT (COUNTER-CLOCKWISE ORNING), O-RING TYRE STOPPING BOX, AUTOMATIC BARREL DRAINS AND 2-1/4" MAIN VALVE OPENING. HYDRANTS SHALL BE DESIGNED IN A MANNER THAT WILL PREVENT BARREL BREAKAGE WHEN STRUCK BY A VEHICLE. HYDRANTS SHALL CONFORM TO THE LATEST REVISION OF AWWA SPECIFICATIONS NO. C 502-73 FOR FIRE HYDRANTS FOR ORDINARY WATER SERVICE. FIRE HYDRANTS SHALL INCLUDE THE ENTIRE ASSEMBLY COMPLETE, INCLUDING HYDRANT, GATE VALVE AND BOX, CONNECTING PIPING, FITTINGS, AND ACCESSORIES.
  5. FIRE HYDRANTS SHALL BE AWK, CLOW MEDALLION, M & H 1295, MUELLER CENTURION, OR WATEROUS.
  6. GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, RESILIENT SEATED WEDGE GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE BORN-BROOK BRONZE-BEARING, NON-FRIBING STEEL, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT BY FLANGED. VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.
  7. THE HOLDING SPOOL SHALL BE A MECHANICAL-JOINT (M.J.) HOLDING SPOOL, WITH THE USE OF MEGA-LUG CONNECTORS OR APPROVED EQUAL WITH CLASS 52 DUCTILE IRON PIPE.
  8. IF DISTANCE BETWEEN WATER MAIN AND FIRE HYDRANT IS GREATER THAN 17 FEET, RESTRAINED JOINTS ARE REQUIRED ON ANY ADDITIONAL JOINTS. THE MAXIMUM 8-INCH HYDRANT RUN ALLOWED IS 20 FEET. ANY PROPOSED HYDRANT RUN EXCEEDING 20' IN LENGTH SHALL BE SIZED USING AN ENGINEERED HYDRANT FIRE FLOW MODEL. ANY HYDRANT RUN EXCEEDING 50 FEET IN LENGTH SHALL BE NO LESS THAN 8-INCHES IN DIAMETER.
  9. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A BUILDING OR STRUCTURE.
  10. THE CONTRACTOR SHALL PLACE A 6 OZ. GEOTEXTILE FABRIC AROUND THE WASHED ROCK AREA, ENDS TO OVERLAP.
  11. A FLUORESCENT ORANGE BAG MUST COVER AND BE SECURED TO THE FIRE HYDRANT UNTIL APPROVED FOR USE BY CITY ENGINEER.
  12. A MINIMUM THREE FOOT (3') RADIUS UNOBSTRUCTED CLEAR ZONE (WORK AREA) SHALL BE PROVIDED AROUND ALL FIRE HYDRANTS. ADDITIONALLY, NO WOODY LANDSCAPE SHALL BE PLANTED WITHIN TEN FEET (10') OF ANY FIRE HYDRANT. OVERREACHING BRANCHES OF TREES ADJACENT TO HYDRANTS SHALL HAVE A MAINTAINED VERTICAL CLEARANCE OF SEVEN (7) FEET ABOVE FINISHED GRADE OF THE FIRE HYDRANT.

	<b>CITY OF PUYALLUP</b> OFFICE OF THE CITY ENGINEER		<b>FIRE HYDRANT ASSEMBLY</b>	CITY STANDARD 03.05.01
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- NOTES:**
1. SERVICE LINE MAY BE 200 PSI POLY PIPE IN UNCONTAMINATED SOILS. IN SOILS THAT MAY CONTAIN HYDROCARBONS USE 1" x 1" COPPER PIPE.
  2. PIPE TO BE BEDDED WITH MATERIAL FREE OF ROCKS.
  3. POLY PIPE SHOULD BE PLACED IN THE TRENCH IN A SNAKELIKE FASHION (NOT STRAIGHT WITHOUT SLACK). THIS WILL ACCOMMODATE GROUND MOVEMENT AND KEEP PRESSURE OFF THE FITTINGS.
  4. PLASTIC WATER SERVICE PIPING MAY TERMINATE WITHIN A BUILDING, PROVIDED THE CONNECTION TO THE POTABLE WATER DISTRIBUTION SYSTEM SHALL BE ACCESSIBLE. SEE THE CURRENT UNIFORM PLUMBING CODE FOR MORE INFORMATION.
  5. THE MAIN SHUT-OFF VALVE, PRESSURE REDUCING VALVE, AND STRAINER SHALL BE LOCATED INSIDE THE BUILDING IN AN ACCESSIBLE LOCATION. THEY SHOULD BE LOCATED BEFORE ANY BRANCH CONNECTIONS, AND PROTECTED FROM FREEZING. THE MAIN SHUT-OFF VALVE SHALL BE BRASS.
  6. ALL PROPERTIES WITH WATER SERVICE CONNECTIONS LOCATED SOUTH OF 15TH AVE SE AND SOUTH OF 15TH AVE SW SHALL HAVE AN APPROVED PRIVATELY OWNED AND PRIVATELY MAINTAINED PRESSURE REDUCING VALVE (PRV) LOCATED ON THEIR WATER SERVICE LINE.
  7. ALL PROPERTIES WITH IRRIGATION BRANCH CONNECTIONS LOCATED SOUTH OF 15TH AVE SE AND SOUTH OF 15TH AVE SW SHOULD HAVE AN APPROVED PRIVATELY OWNED AND PRIVATELY MAINTAINED PRESSURE REDUCING VALVE (PRV) LOCATED ON THEIR IRRIGATION BRANCH LINE.
  8. ALL INSTALLATIONS WITHIN TWO (2) FEET OF THE BUILDING SHALL COMPLY WITH THE CURRENT UNIFORM PLUMBING CODE.

	<b>CITY OF PUYALLUP</b> OFFICE OF THE CITY ENGINEER		<b>PRIVATE WATER SERVICE LINES</b>	CITY STANDARD 03.05.04
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- NOTES:**
1. ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
  2. 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 UNAWARDABLE, EXCEPTIONS CAN BE MADE AT END OF CUL-DE-SACS OR PAN HANDLED LOTS.
  3. 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.
  4. ALL POLY PIPE COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
  5. 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.
  6. ALL POLY PIPE SHALL BE HIGH DENSITY POLY (HDPE) MEETING ASTM D-2239-SDR 7, BLUE IN COLOR, 200 PSI MINIMUM.
  7. FOR A 1-1/2" WATER SERVICE, ALL MATERIAL SHALL BE 2" FROM THE WATER MAIN TO THE COPPERSETER. REDUCE FROM 2" TO 1-1/2" IMMEDIATELY BEFORE COPPERSETER.
  8. THE STAINLESS STEEL METER FLANGE BOLTS SHALL BE 5/8" DIAMETER FOR THE 1-1/2" METER, AND 3/4" DIAMETER FOR THE 2" METER.
  9. PROVIDE A 6" CIRCULAR VALVE BOX WITH COVER (APPLIED ENGINEERING PRODUCT MODEL 708 WITH GREEN LID OR AN APPROVED EQUAL) OVER BY-PASS VALVE.

	<b>CITY OF PUYALLUP</b> OFFICE OF THE CITY ENGINEER		<b>1-1/2" AND 2" WATER SERVICE CONNECTION</b>	CITY STANDARD 03.03.02
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### WATER SYSTEM NOTES:

1. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES IN IMPROVED RIGHT-OF-WAY AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OF-WAY AND EASEMENTS.
2. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A21.4-1964.
3. CONNECTIONS TO EXISTING WATER MAINS SHALL TYPICALLY BE WET TAPS THROUGH A TAPPING 'TEE' AND TAPPING VALVE AND SHALL BE MADE BY A CITY-APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE EPOXY COATED OR DUCTILE IRON. STAINLESS SLEEVES SHALL ONLY BE USED ON AC PIPE. THE CITY (OR FMWC, VW, OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
4. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH CITY STANDARDS.
5. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.
6. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
7. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
8. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
9. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
10. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT NORTHWEST GAS BEFORE THE CROSSING IS MADE.
11. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.
12. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTIFAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW, OR TCW WHEN SERVED BY THAT PURVEYOR. CONFORMING TO CITY STANDARD DETAILS 03.04.01 ZNC 03.04.02-1, 03.04.02-2 AND 03.04.03
13. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL FITTING AT CONTRACTOR EXPENSE.

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.

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DESIGNED BY: PB	DEVELOPMENT REVIEW: PB	APPROVED BY: PB	DRAFTED BY: CL	DATE: 08/10/21	SHEET: C6.03
JOB # 04-173	REVISIONS:	CHK: _____	APR: _____	DATE: _____	PER: _____



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# 10TH STREET DEVELOPEMENT PROJECT

SEC 27 / TWP 20 / RGE 4 E, W.M.

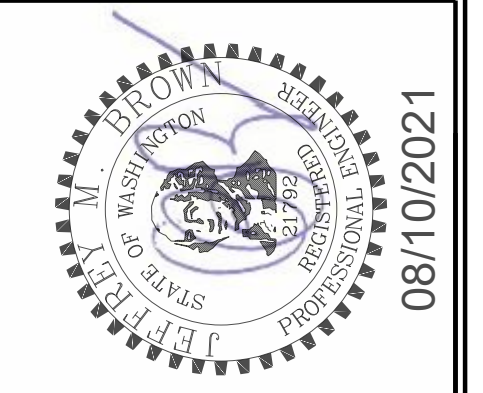
CITY OF PUYALLUP, PIERCE COUNTY, STATE OF WASHINGTON

## NOTES & DETAILS 4

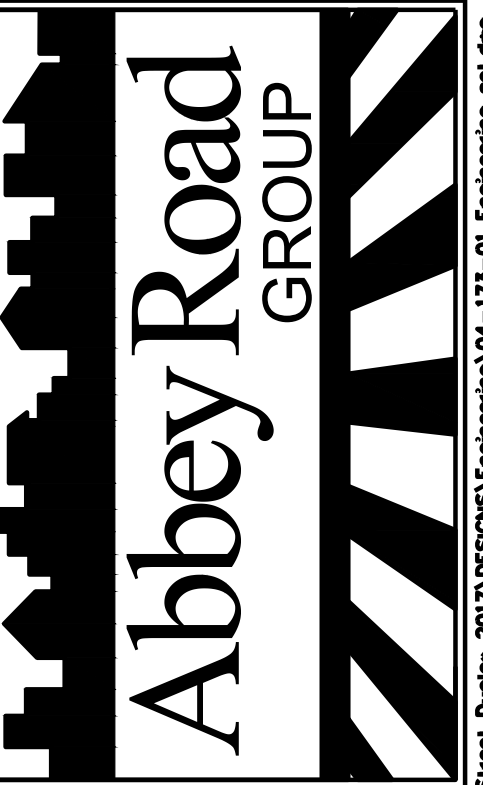
APPROVED  
BY: \_\_\_\_\_  
CITY OF PUYALLUP  
DEVELOPMENT ENGINEERING  
DATE: \_\_\_\_\_  
**NOTE:** THIS APPROVAL IS VOID AFTER 180 DAYS FROM APPROVAL DATE. THE CITY WILL NOT BE RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY DICTATE CHANGES TO THESE PLANS AS DETERMINED BY THE DEVELOPMENT ENGINEERING MANAGER.

10TH Street  
Development Project  
Notes & Details 4  
P.O. BOX 280  
PUYALLUP, WA 98371

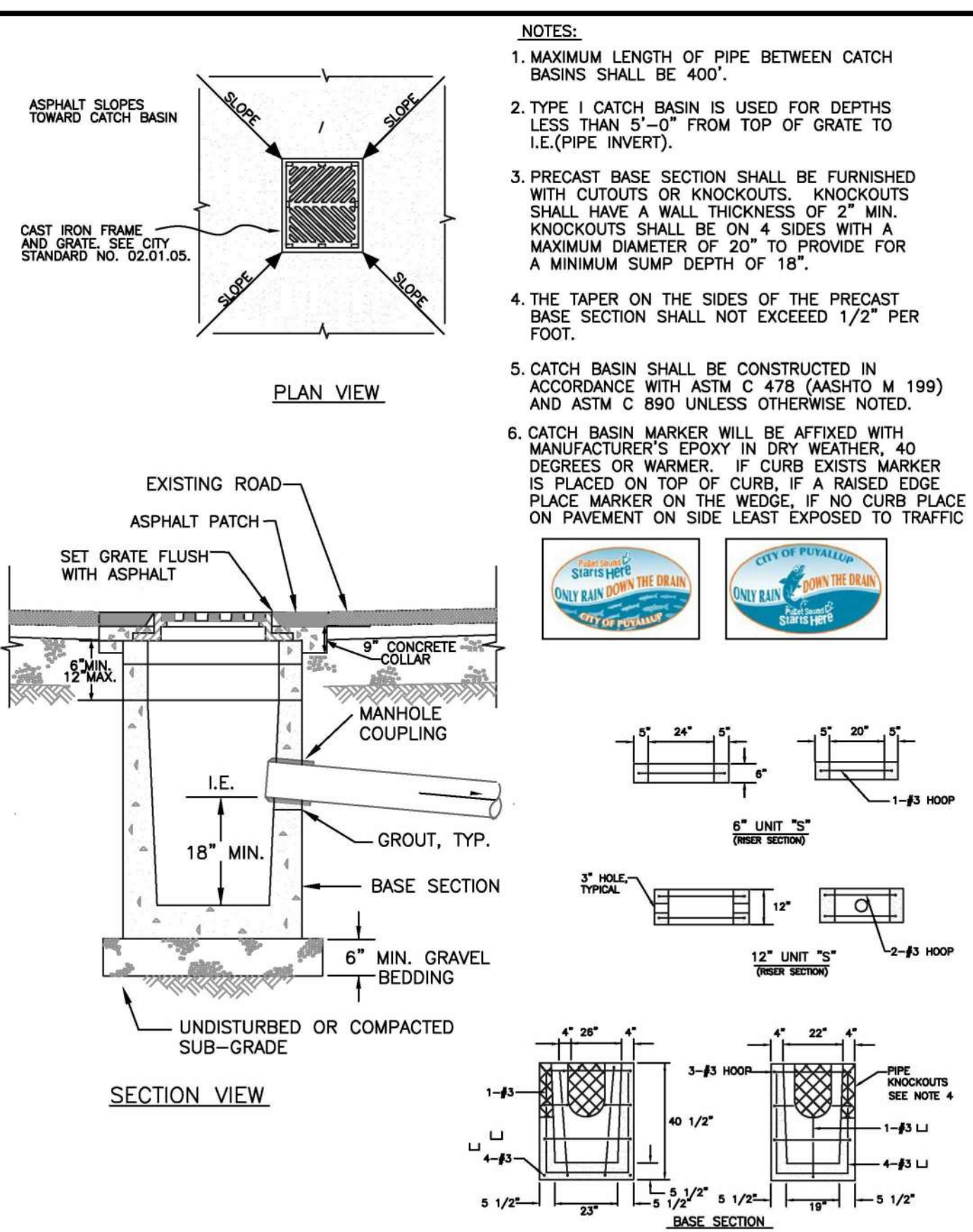
FOR: Greg Helle  
P.O. BOX 280  
PUYALLUP, WA 98371



Abbey Road Group  
Land Development  
Services Company, LLC  
2102 E MAIN AVE, SUITE 109  
PUYALLUP, WA 98372  
P.O. Box 1224, Puyallup, WA 98371  
(253) 435-3699, Fax (253) 446-3159

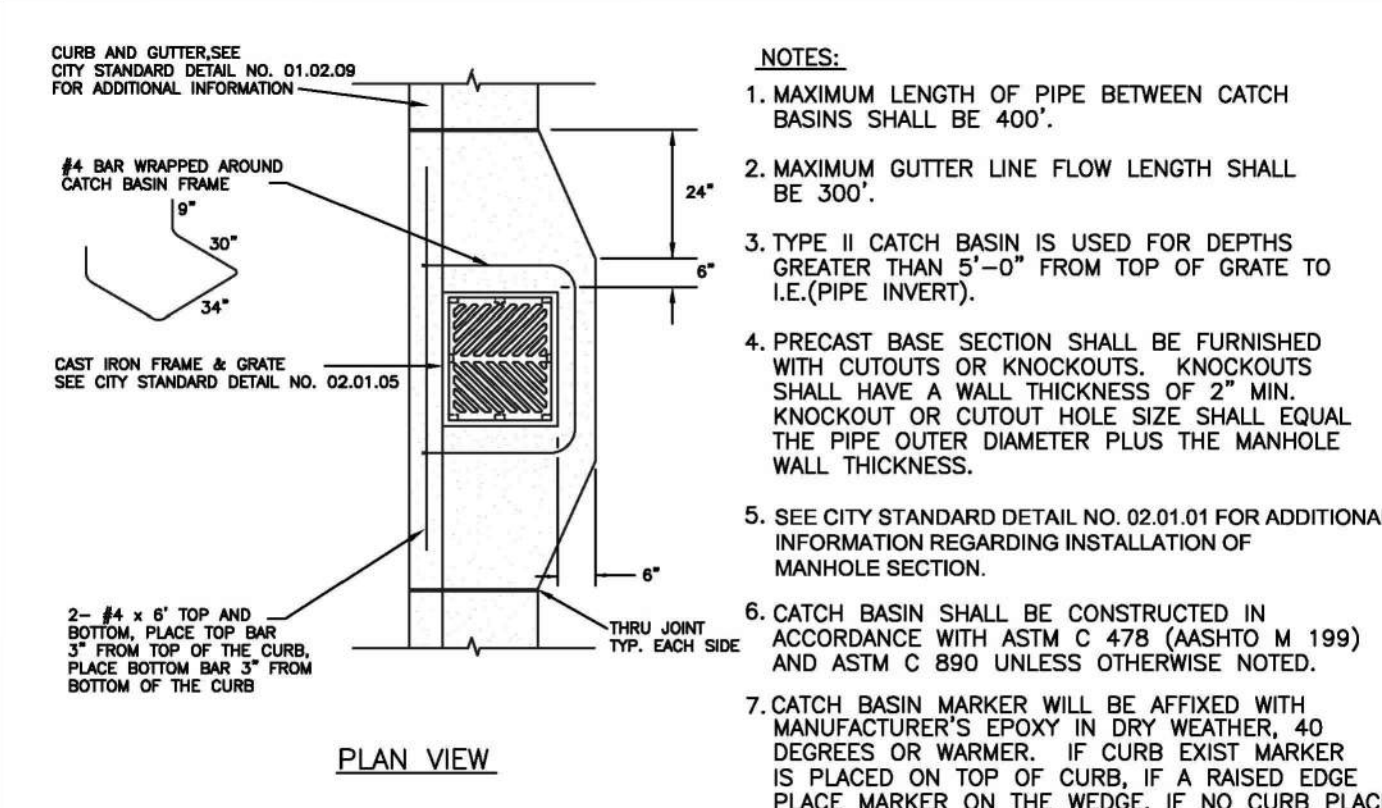


DESIGNED BY: PB  
DEVELOPMENT REVIEW: PB  
APPROVED BY: PB  
DRAFTED BY: CL  
DATE: 08/10/21  
SHEET: C6.04

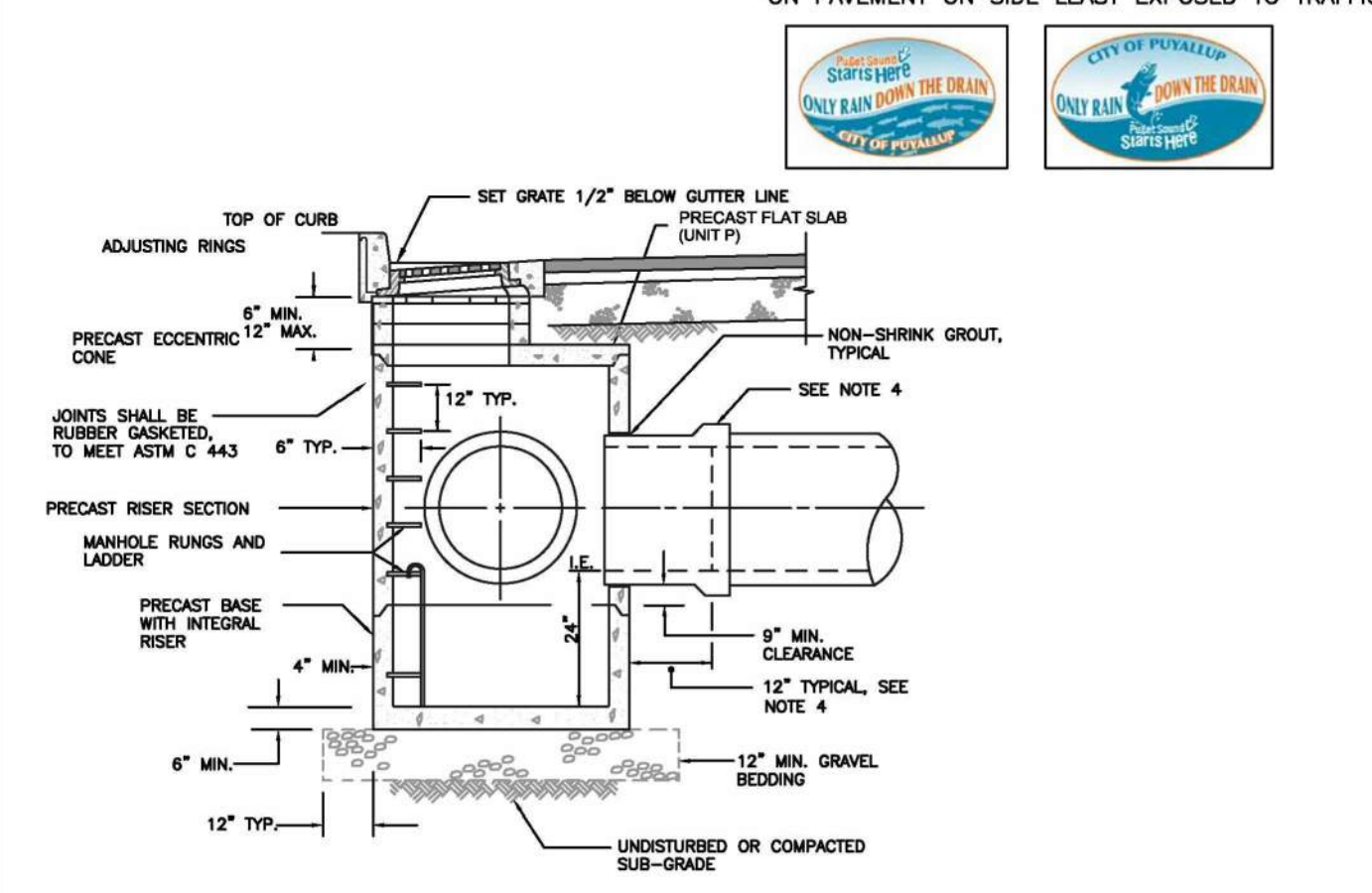


- NOTES:**
1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
  2. TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'-0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
  3. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
  4. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEED 1/2" PER FOOT.
  5. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
  6. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXISTS MARKER IS PLACED ON TOP OF CURB. IF A RAISED EDGE PLACE MARKER ON THE WEDGE. IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC.

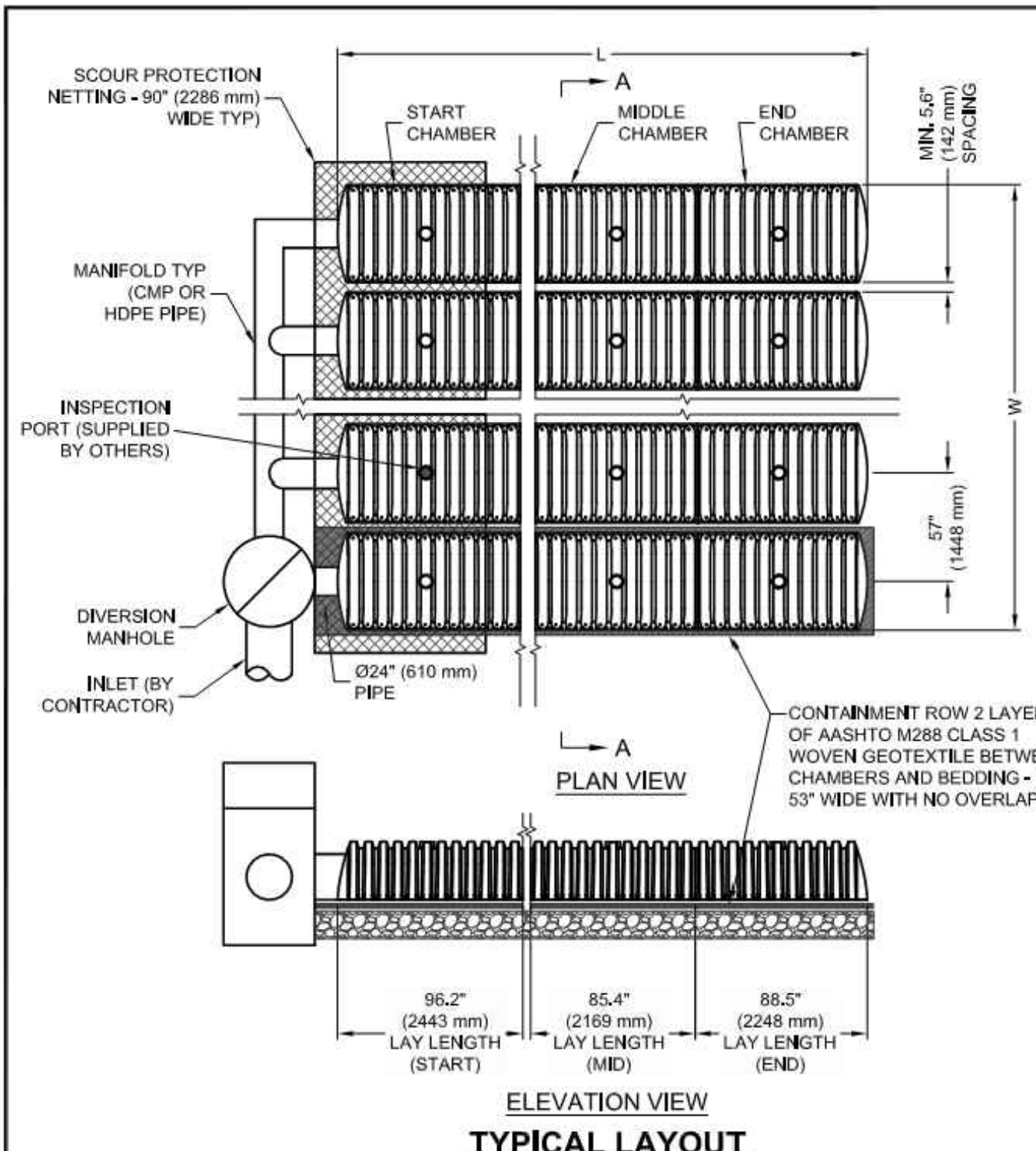
**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS  
DRAWN BY: LINDA LANSING  
CHECKED BY: LINDA LIAN  
APPROVED BY: COLLEEN HARKER  
DATE APPROVED: 08/10/21  
SCALE: NTS  
CITY STANDARD: 02.01.02



- NOTES:**
1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
  2. MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
  3. TYPE II CATCH BASIN IS USED FOR DEPTHS GREATER THAN 5'-0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
  4. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL THE PIPE OUTER DIAMETER PLUS THE MANHOLE WALL THICKNESS.
  5. SEE CITY STANDARD DETAIL NO. 02.01.01 FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF MANHOLE SECTION.
  6. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (ASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
  7. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXIST MARKER IS PLACED ON TOP OF CURB. IF A RAISED EDGE PLACE MARKER ON THE WEDGE. IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC.



**CITY OF PUYALLUP**  
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS  
DRAWN BY: LINDA LANSING  
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DATE APPROVED: 08/10/21  
SCALE: NTS  
CITY STANDARD: 02.01.04



FEATURE	START CHAMBER	MIDDLE CHAMBER	END CHAMBER
OVERALL CHAMBER HEIGHT - IN (mm)	30.3 (770)	30.3 (770)	30.3 (770)
OVERALL CHAMBER WIDTH - IN (mm)	51.4 (1306)	51.4 (1306)	51.4 (1306)
ACTUAL LENGTH - IN (mm)	98.4 (2500)	91.0 (2311)	92.0 (2337)
INSTALLED LAY LENGTHS - IN (mm)	98.2 (2443)	85.4 (2169)	88.5 (2248)
CHAMBER STORAGE VOLUME - CF (m³)	50.2 (1,421)	47.2 (1,336)	46.2 (1,307)
CHAMBER STORAGE PER LINEAR FOOT - CF/LF (m³/m)	6.3 (0.582)	6.6 (0.616)	6.3 (0.582)
*INSTALLED CHAMBER VOLUME - CF (m³)	78.1 (2,211)	75.1 (2,127)	74.1 (2,098)
*INSTALLED CHAMBER VOLUME PER LINEAR FOOT - CF/LF (m³/m)	9.7 (0.905)	10.6 (0.981)	10.0 (0.934)
CHAMBER WEIGHT - LB (kg)	83 (37.65)	73 (33.11)	76 (34.47)

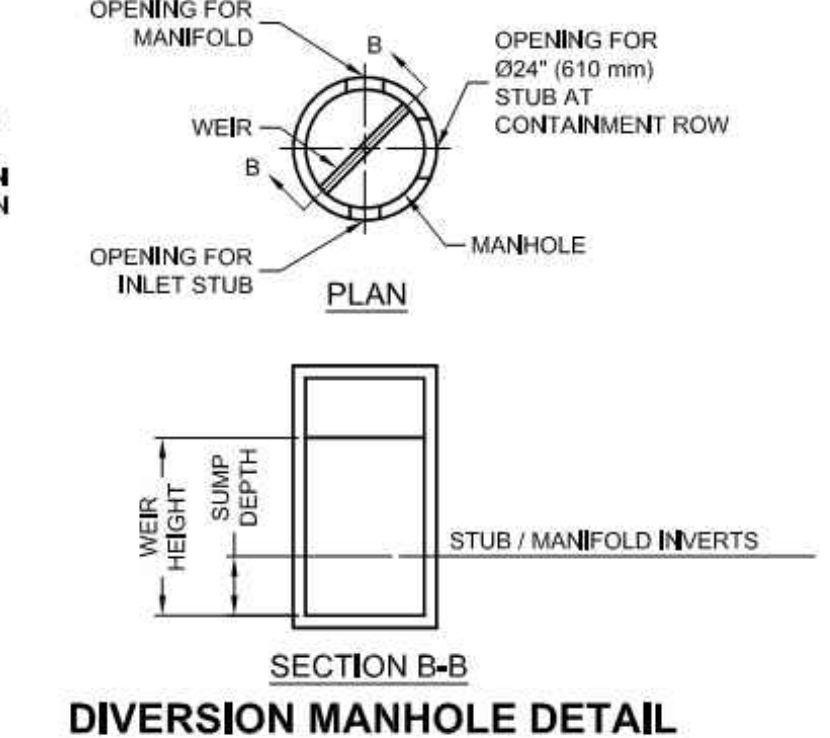
\* 6" (152 mm) OF STONE ABOVE AND BELOW CHAMBER, 5/8" (142 mm) CHAMBER SPACING AND 40% POROSITY

**\* SITE SPECIFIC DATA REQUIREMENTS**

FOR DETAILED DESIGN ASSISTANCE REFERENCE CHAMBERMAXX DYODS (DESIGN YOUR OWN DETENTION SYSTEM) SOFTWARE AND CHAMBERMAXX STAGE STORAGE CALCULATOR @ WWW.CONTECHSTORMWATER.COM

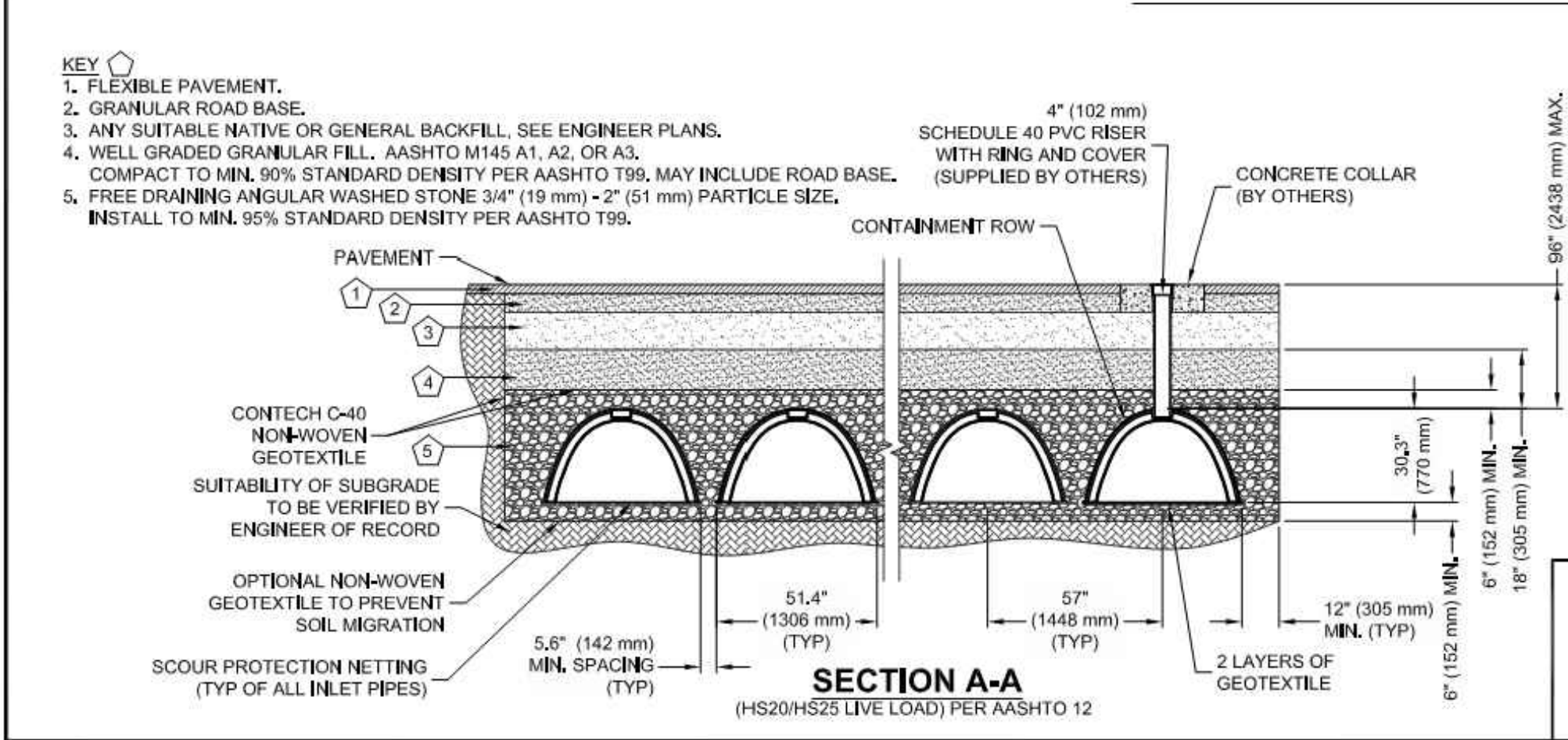
TOTAL REQUIRED STORAGE VOLUME (CF OR m³)	
DEPTH TO INVERT BELOW ASPHALT (FT OR m)	
LIMITING WIDTH (FT OR m)	
LIMITING LENGTH (FT OR m)	
POROUS STONE ABOVE CHAMBER (IN OR mm)	
POROUS STONE BELOW CHAMBER (IN OR mm)	
STONE POROSITY (0 TO 40%)	
MANIFOLD SYSTEM DIAMETER (IN OR mm)	

\* PER ENGINEER OF RECORD



- GENERAL NOTES**
1. ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
  2. PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
  3. CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
  4. CHAMBERMAXX SYSTEM TO MEET ASHTO H20/H25 LIVE LOADING, PER ASHTO LRFD SECTION 12.
  5. ACCESS COVERS TO MEET ASHTO H20/H25 LIVE LOADING.
  6. MINIMUM COVER IS 18-INCHES (457 mm) AND MAXIMUM COVER IS 96-INCHES (2438 mm) TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 96-INCHES (2438 mm) CONTACT YOUR LOCAL REPRESENTATIVE.
  7. ALL PARTS PROVIDED BY CONTECH UNLESS OTHERWISE NOTED.
  8. FOR INFORMATION ON PRE-TREATMENT SYSTEMS, REFERENCE CONTECH PRE-TREATMENT SYSTEM STANDARD DETAILS OR CONTACT YOUR LOCAL REPRESENTATIVE.
  9. CHAMBERMAXX BY CONTECH ENGINEERED SOLUTIONS, LLC.

- INSTALLATION NOTES**
1. CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
  2. PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
  3. THE SCOUR PROTECTION NETTING TO EXTEND 1'-0" (305 mm) BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
  4. COVER ANY OPEN VOID SPACES GREATER THAN 1/2" (19 mm) ON CHAMBERS WITH A NON-WOVEN GEOTEXTILE TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
  5. STONE EMBEDMENT MATERIAL SHALL BE INSTALLED TO 95% STANDARD PROCTOR DENSITY AND PLACED IN 6-INCH (152 mm) TO 8-INCH (203 mm) LIFTS SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME. GRANULAR BACKFILL MATERIAL SHALL BE COMPACTED TO 90% SPD, BACKFILLING SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER ROWS AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING AND DISPLACEMENT OF THE CHAMBERS. THE MINIMUM CHAMBER SPACING MUST BE MAINTAINED.
  6. REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
  7. IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW OSHA GUIDELINES FOR SAFE PRACTICES.
  8. GENERAL INSTALLATION METHODS AND MATERIALS TO BE IN ACCORDANCE WITH ASTM D2321.



**CONTECH**  
ENGINEERED SOLUTIONS LLC  
www.ContechES.com  
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069  
800-338-1122 513-645-7000 513-645-7993 FAX

CHAMBERMAXX STORMWATER RETENTION  
STANDARD DETAIL  
CONTAINMENT ROW OPTION

THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. AGENCIES INVOLVED SHALL BE NOTIFIED WITHIN A REASONABLE TIME PRIOR TO THE START OF CONSTRUCTION.  
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