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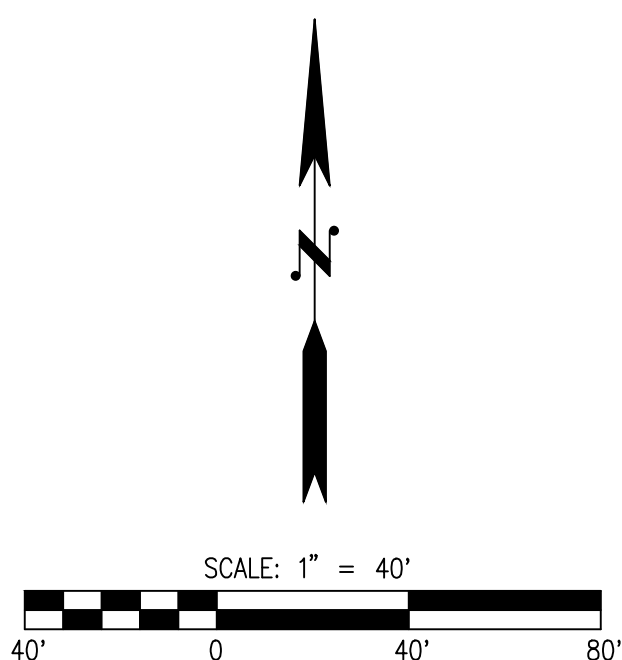
SURVEY

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SURVEY

SURVEY

PLAT OF WEST
OLYMPIA

	EXISTING CONTOURS
	PROPOSED CONTOURS
	CLEARING LIMITS
	SILT FENCE
	STABILIZED CONSTRUCTION ENTRANCE
	STORM DRAIN INLET PROTECTION
	TYPE 1 CATCH BASIN
	ASTM D3034 SDR35 PVC STORM PIPE, UNLESS OTHERWISE NOTED
	INFILTRATION TRENCH
	PRF DEVELOPMENT DRAINAGE FLOW PATH

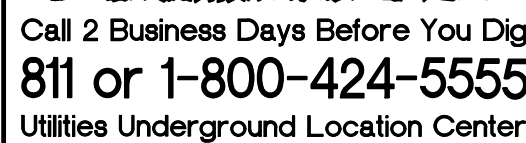
STRUCTURE TABLE				STRUCTURE TABLE			
NAME	TYPE	RIM	INVERTS	NAME	TYPE	RIM	INVERTS
CB #1	TYPE 1	225.80	E=+222.80 (12") N	CB #16	TYPE 1	229.59	E=+224.86 (12") S E=+224.86 (12") N E=+224.86 (12") E
CB #2	TYPE 1	225.78	E=+222.70 (12") S E=+222.70 (12") W	CB #17	TYPE 1	229.59	E=+224.95 (12") W
CB #3	TYPE 2-48"φ	227.99	E=+221.94 (12") E E=+221.94 (12") W E=+221.94 (12") N	CB #18	TYPE 1	229.32	E=+224.71 (12") S E=+224.71 (12") NW
CB #4	TYPE 2-48"φ	227.71	E=+221.72 (12") S E=+221.72 (12") NW E=+221.72 (12") E	CB #19	TYPE 1	229.09	E=+224.59 (12") SE E=+224.59 (12") NW E=+224.59 (12") NE
CB #5	TYPE 1	227.75	E=+224.75 (12") N	CB #20	TYPE 1	229.10	E=+224.68 (12") SW
CB #6	TYPE 2-48"φ	227.58	E=+221.68 (12") SE E=+221.68 (12") W	CB #21	TYPE 1	228.74	E=+224.40 (12") SE E=+224.40 (12") W
CB #7	TYPE 2-48"φ W/ SOLID LOCKING LID	227.99	E=+221.50 (12") E E=+221.50 (12") NW	CB #22	TYPE 1	228.47	E=+224.25 (12") E E=+224.25 (12") W
CB #8	TYPE 1	221.27	E=+220.00 (12") W	CB #23	TYPE 1	228.29	E=+224.15 (12") E E=+224.15 (12") SW E=+224.15 (12") N
CB #10	TYPE 2-48"φ	228.22	E=+225.22 (12") S E=+225.22 (12") N E=+225.22 (12") E	CB #24	TYPE 1	228.29	E=+224.24 (12") S
CB #11	TYPE 1	228.39	E=+225.34 (12") W	CB #25	Null Structure	224.59	E=+223.51 (12") NE E=+223.51 (12") S
CB #12	TYPE 1	229.46	E=+225.83 (12") S E=+225.83 (12") E	CB #26	TYPE 1	227.32	E=+222.82 (12") N E=+222.82 (12") SW
CB #13	TYPE 1	229.46	E=+225.92 (12") W	CB #27	TYPE 1	226.50	E=+222.59 (12") NE E=+222.59 (12") S
CB #14	TYPE 1	230.60	E=+225.69 (12") W	CB #28	TYPE 1	226.50	E=+221.61 (12") N E=+221.61 (12") SE
CB #15	TYPE 1	230.60	E=+225.60 (12") N E=+225.60 (12") E				

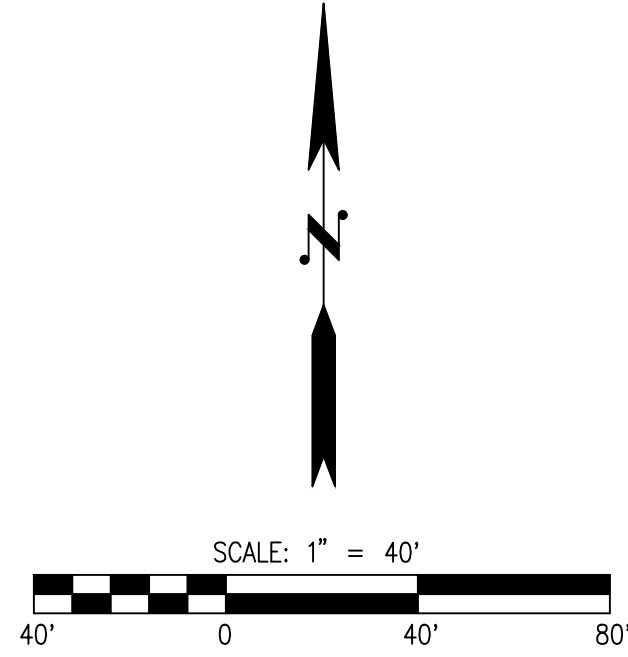
1. ROOF DOWNSPOUT INFILTRATION SYSTEMS SHALL BE PLACED ON EACH LOT. ALL ROOF DOWNSPOUT INFILTRATION SYSTEMS SHALL BE SIZED TO ACCOMMODATE STORM RUN-OFF PER THE THURSTON COUNTY DRAINAGE DESIGN AND EROSION CONTROL MANUAL.

WHEN AN UNANTICIPATED DISCOVERY OF PROTECTED CULTURAL MATERIAL (E.G., BONES, SHELLS, STONE TOOLS, BEADS, CERAMICS, OLD BOTTLES, HEARTHS, ETC.) OR HUMAN REMAINS ARE DISCOVERED, THE PROPERTY OWNER OR CONTRACTOR WILL IMMEDIATELY STOP ALL WORK, COMPLETELY SECURE THE LOCATION, AND CONTACT THE WASHINGTON STATE DEPARTMENT OF ARCHAEOLOGY AND HISTORIC PRESERVATION AND OTHER CONTACTS AS IDENTIFIED BY THURSTON COUNTY.

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.

THE TOPOGRAPHIC SURVEY WAS PERFORMED BY MTN2COAST, LLC. IN DECEMBER 2022. ANY CHANGES TO THE SITE AFTER THIS DATE WILL NOT BE REFLECTED IN THE PLANS. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.



PLAT OF WEST
OLYMPIA

	SANITARY SEWER GRINDER PUMP
	SANITARY SEWER MANHOLE
	ASTM D 3034 SDR 35 PVC SANITARY SEWER PIPE
	AWWA C900 PVC DR14 WATER LINE
	WATER METER
	GATE VALVE
	THRUST BLOCKING
	FIRE HYDRANT PER DETAIL XXX ON SHEET XXX
	WATER BEND FITTING

1. AUTOMATIC SPRINKLERS REQUIRED FOR LOTS 31-34.

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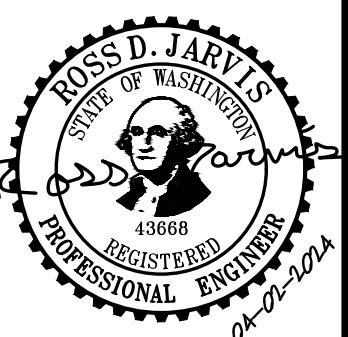
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321 CLEVELAND AVE SE, SUITE 209	TUMWATER, WA 98501	
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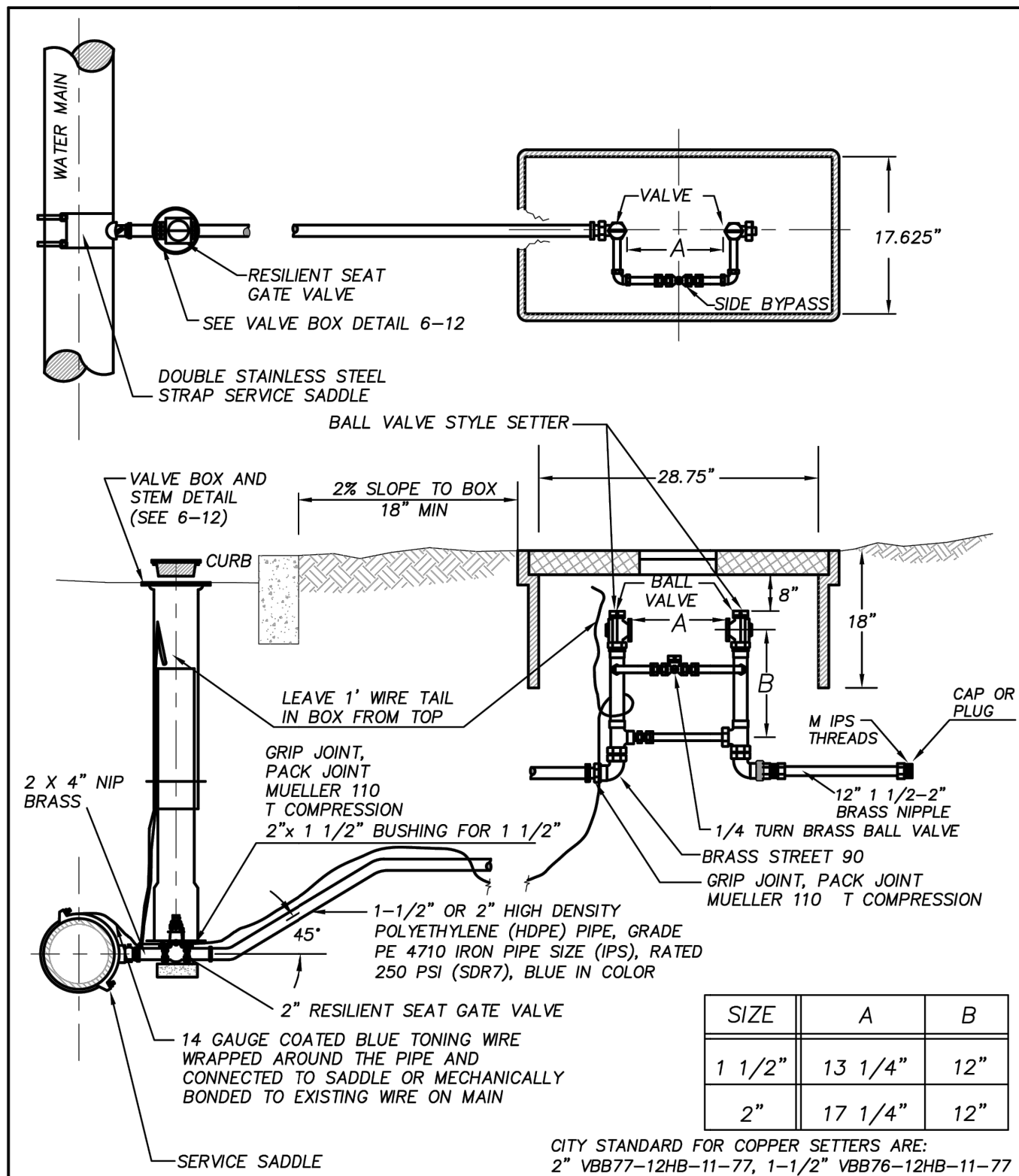
RJ DEVELOPMENT
WEST OLYMPIA DEVELOPMENT
2000 24TH AVE NW
PRELIMINARY WATER AND SEWER PLAN



PP-03

24TH AVE NW

ROAD A
NOT TO SCALE

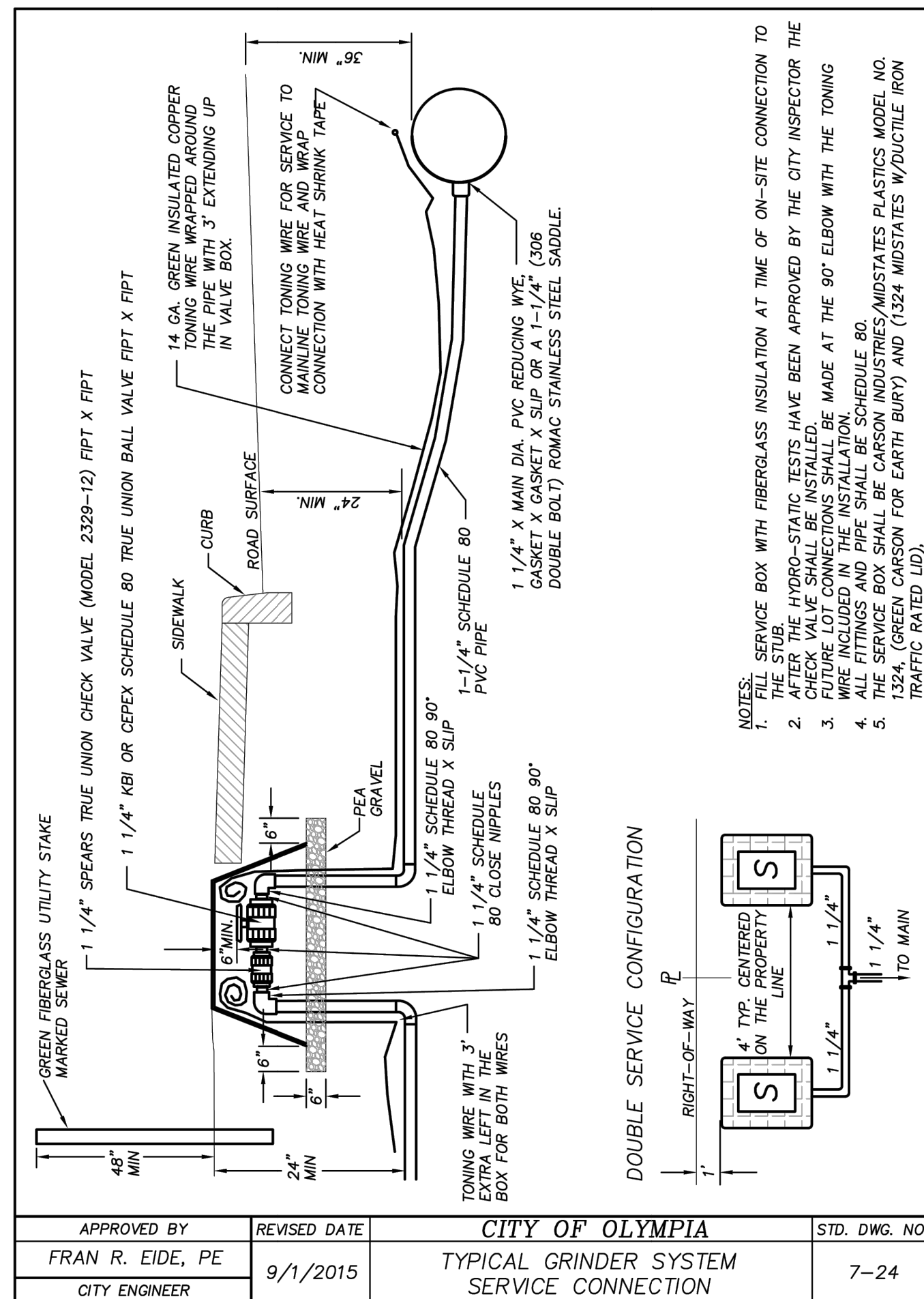


- NOTES:
1. ALL SERVICE SADDLES SHALL HAVE RUBBER GASKET AND I.P. THREADS.
 2. SETTERS SHALL BE CENTERED IN METER BOXES.
 3. STAINLESS STEEL INSERTS REQUIRED FOR ALL PACK JOINTS, OR GRIP JOINTS.
 4. STEEL SHOULDER AND HOPE MID-METASTATES CPT730-18 OR APPROVED EQUAL, WITH MID-STATES CBC-1730-R DUCTILE IRON COVER OR APPROVED EQUAL.
 5. SEE STANDARD DRAWINGS 6-29 AND 6-29A FOR COVER DETAIL.

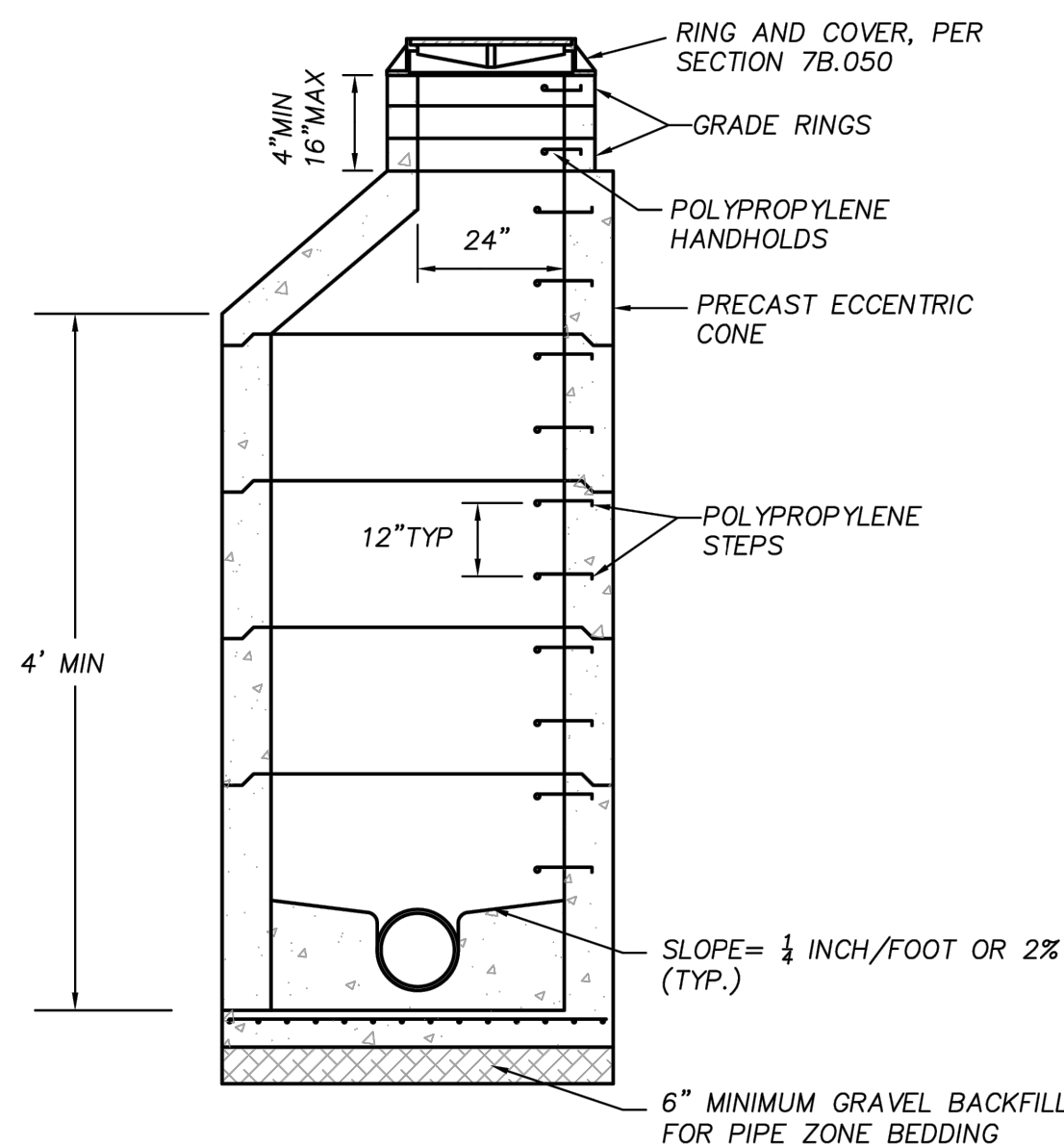
SIZE	A	B
1 1/2"	13 1/4"	12"
2"	17 1/4"	12"

CITY STANDARD FOR COPPER SETTERS ARE:
2" VBB77-12HB-11-77, 1-1/2" VBB76-12HB-11-77

APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	11/13/2018	1-1/2" AND 2" STANDARD SETTER WITH BYPASS	6-3
CITY ENGINEER			

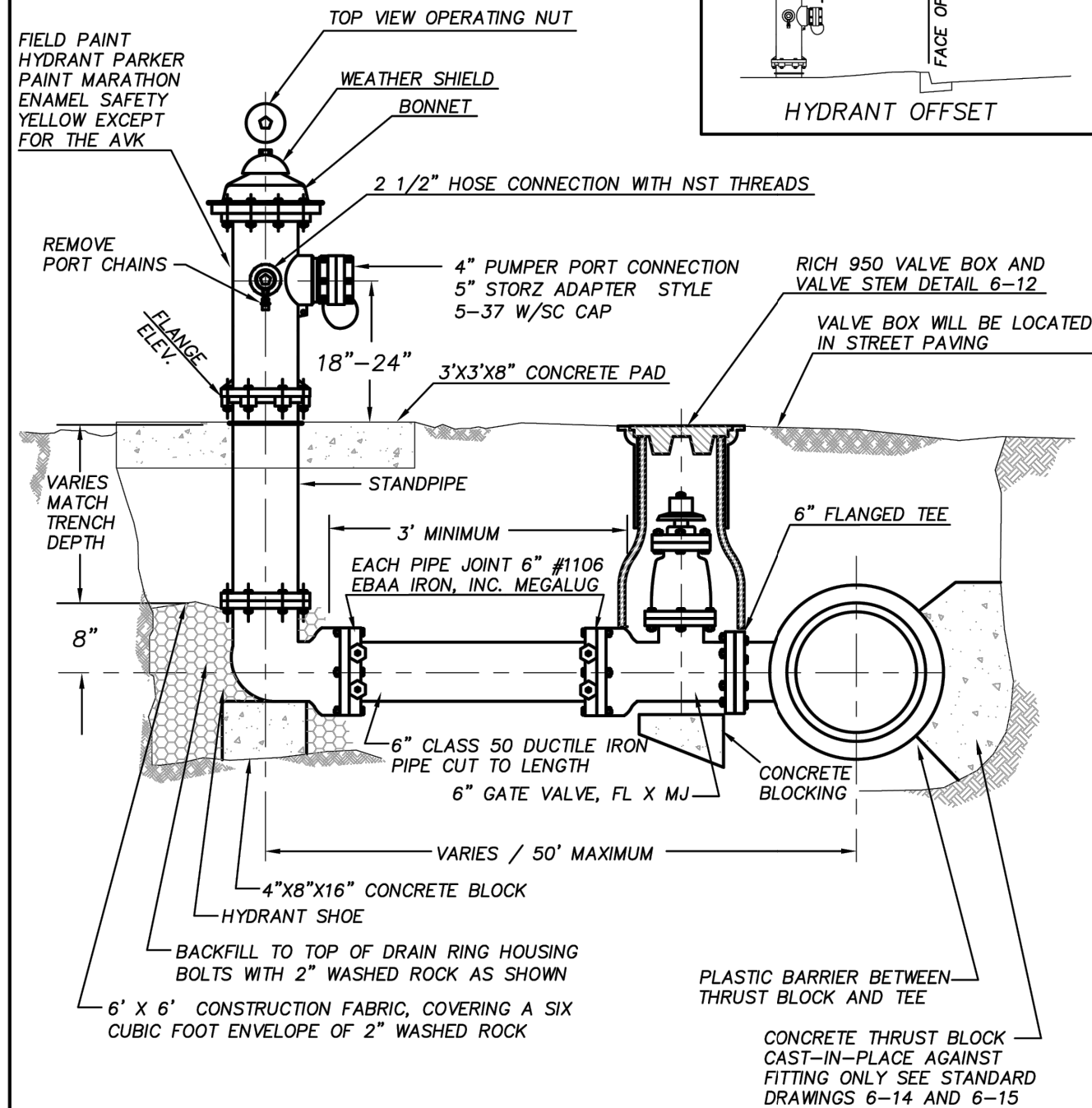
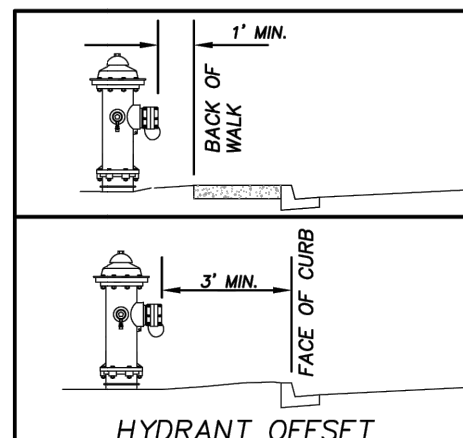


1. NOTES:
2. FILL SERVICE BOX WITH FIBERGLASS INSULATION AT TIME OF ON-SITE CONNECTION TO THE HYDRO.
3. AFTER THE HYDRO-STATIC TESTS HAVE BEEN APPROVED BY THE CITY INSPECTOR THE CHECK VALVE SHALL BE INSTALLED.
4. FUTURE CONNECTIONS SHALL BE MADE AT THE 90° ELBOW WITH THE TONGUE AND GROOVE JOINTS.
5. ALL FITTINGS AND PIPE SHALL BE SCHEDULE 80.
6. THE SERVICE BOX SHALL BE CARSON INDUSTRIES/MIDSTATES PLASTICS MODEL NO. 1324, (GREEN CARSON FOR EARTH BURY) AND (1324 MIDSTATES W/DUCTILE IRON TRAFFIC RAISED LID).

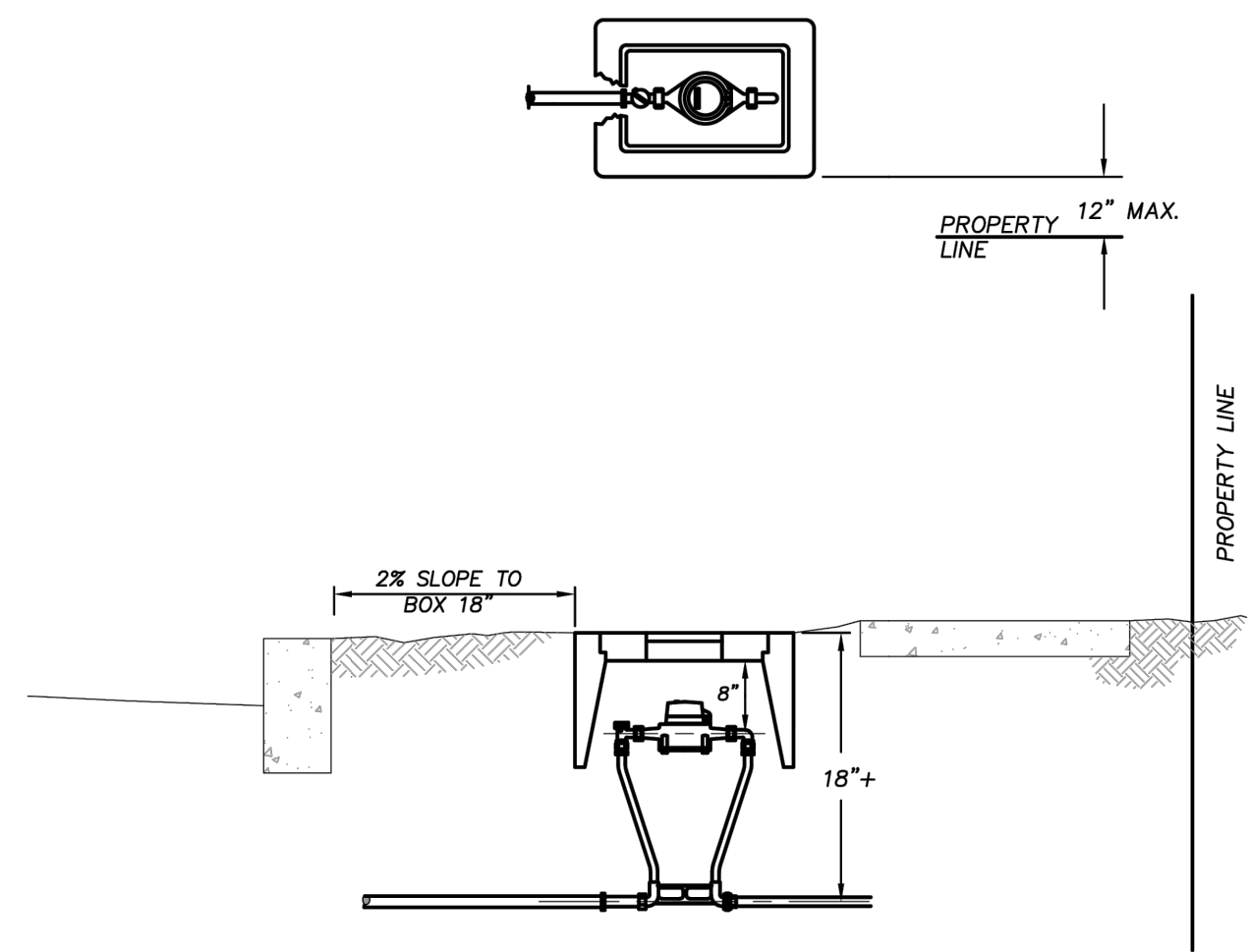


1. NOTES:
1. THIS DETAIL OUTLINES THE CITY OF OLYMPIA MODIFICATIONS TO THE WSDOT TYPE 1-48 INCH, 54 INCH AND 60 INCH MANHOLE.
2. PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C478. JOINTS SHALL BE RUBBER GASKETED, CONFORMING TO ASTM C443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES SHALL BE GROUTED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
3. THE TOP STEP OR HANDHOLD SHALL BE A MAXIMUM OF 12 INCHES FROM THE TOP OF THE COVER.
4. CONNECTION TO MANHOLE SHALL BE MADE BY KOR-N-SEAL FITTING ONLY. KOR-N-SEAL SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS. WOODWORK SHALL BE AS SHOWN.
5. SEE OLYMPIA STANDARD DRAWING 7-3 FOR MANHOLE COLLAR INSTALLATION.

- NOTES:**
1. HYDRANTS SHALL BE LOCATED WITH A MINIMUM THREE FOOT RADIUS UNOBSTRUCTED WORKING AREA PROVIDED AROUND ALL HYDRANTS, AND IN NO CASE SHALL BE LOCATED IN SIDEWALK.
 2. WHEN R/W IS NOT ADEQUATE, A MINIMUM 5' EASEMENT IS REQUIRED ON ALL SIDES OF THE HYDRANT.
 3. HYDRANT SHALL BE DRESSER M&H RELIANT STYLE 929, WATEROUS PACER 250, MUELLER CENTURION, CLOW MEDALLION OR AVK.



- CAST-IN-PLACE AGAINST
FITTING ONLY SEE STANDARD
DRAWINGS 6-14 AND 6-15



APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.	APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.	APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.	APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	9/1/2015	TYPICAL GRINDER SYSTEM SERVICE CONNECTION	7-24	FRAN R. EIDE, PE	4/21/2021	TYPE 1 MANHOLE	7-1	FRAN R. EIDE, PE	11/13/2018	HYDRANT ASSEMBLY	6-8	FRAN R. EIDE, PE	7/25/2017	TYPICAL METER PLACEMENT	6-7
QTY ENGINEER				CITY ENGINEER				CITY ENGINEER				CITY ENGINEER			

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Call 2 Business Days Before You Dig
811 or 1-800-424-5555
Utilities Underground Location Center

LDC

RJ DEVELOPMENT

**WEST OLYMPIA DEVELOPMENT
2000 24TH AVE NW**

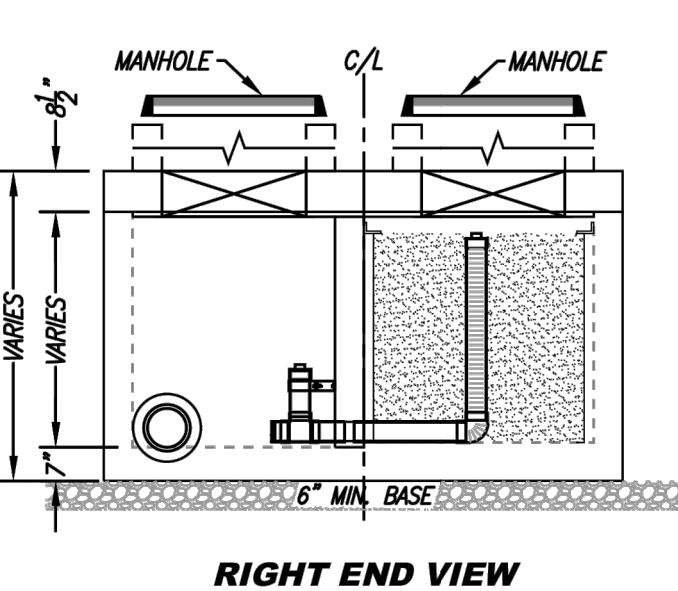
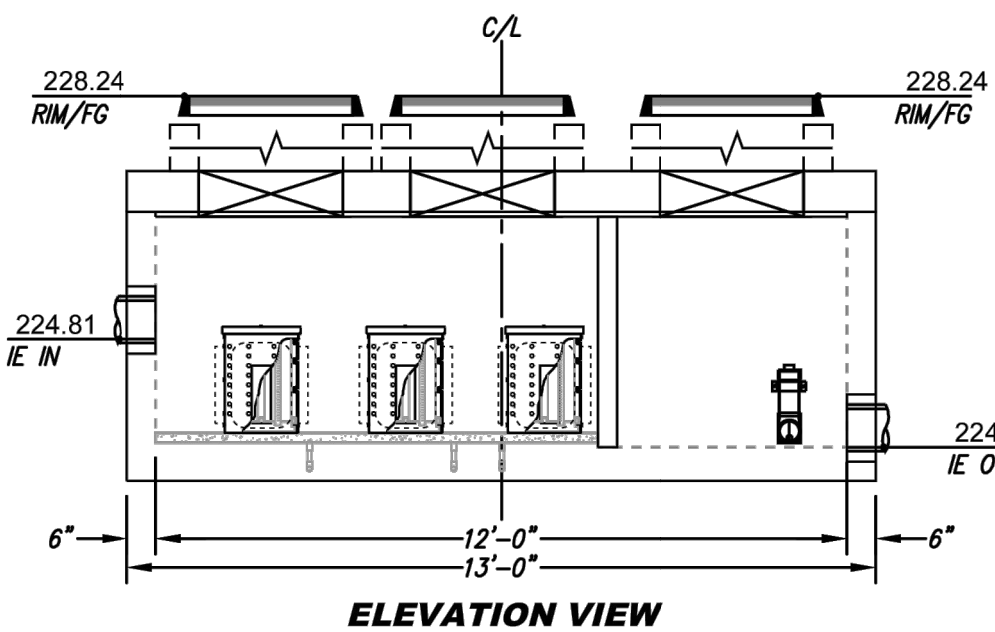
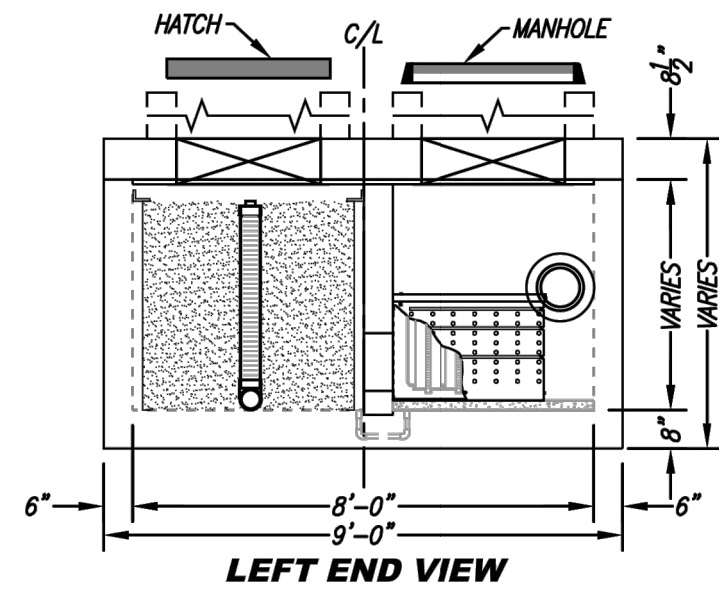
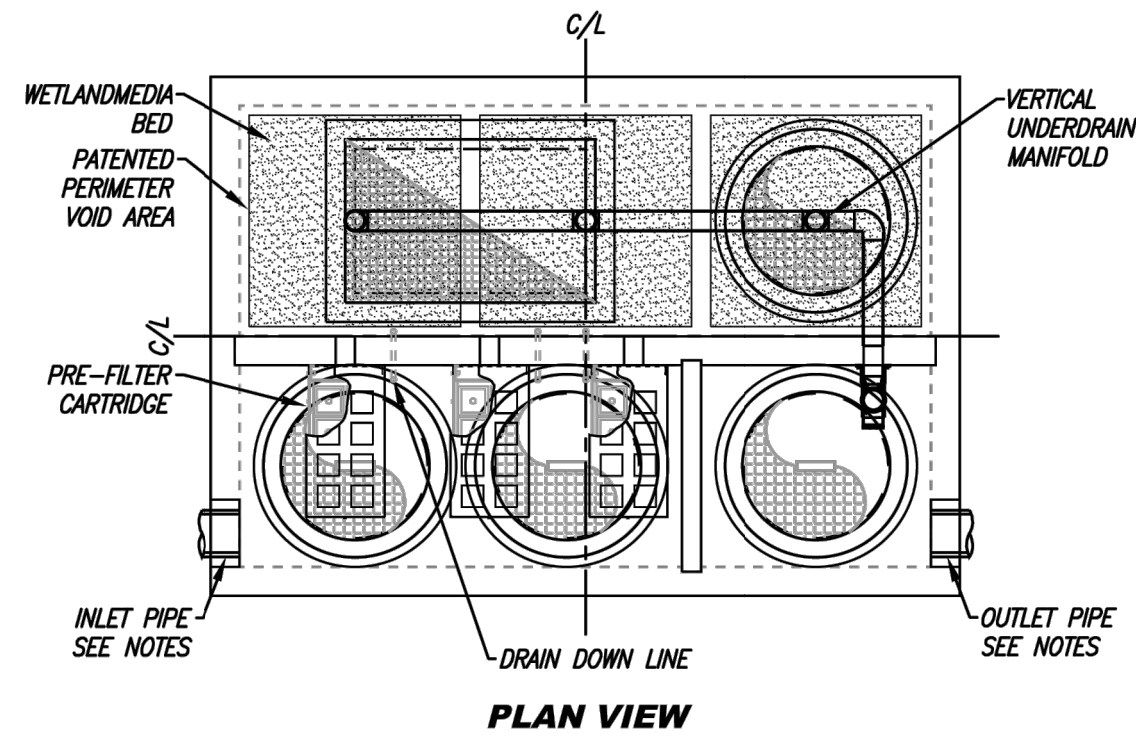
PRELIMINARY PLAT DETAILS AND NOTES



JOB NUMBER:	C23-127
DRAWING NAME:	C23-127 PP-01
DESIGNER:	KH
DRAFTING BY:	ES
DATE:	APRIL 2024
SCALE:	AS NOTED
JURISDICTION:	THURSTON

PP-04

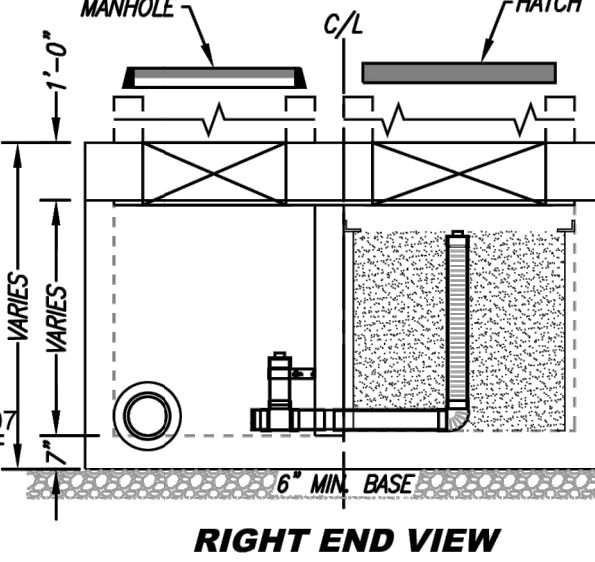
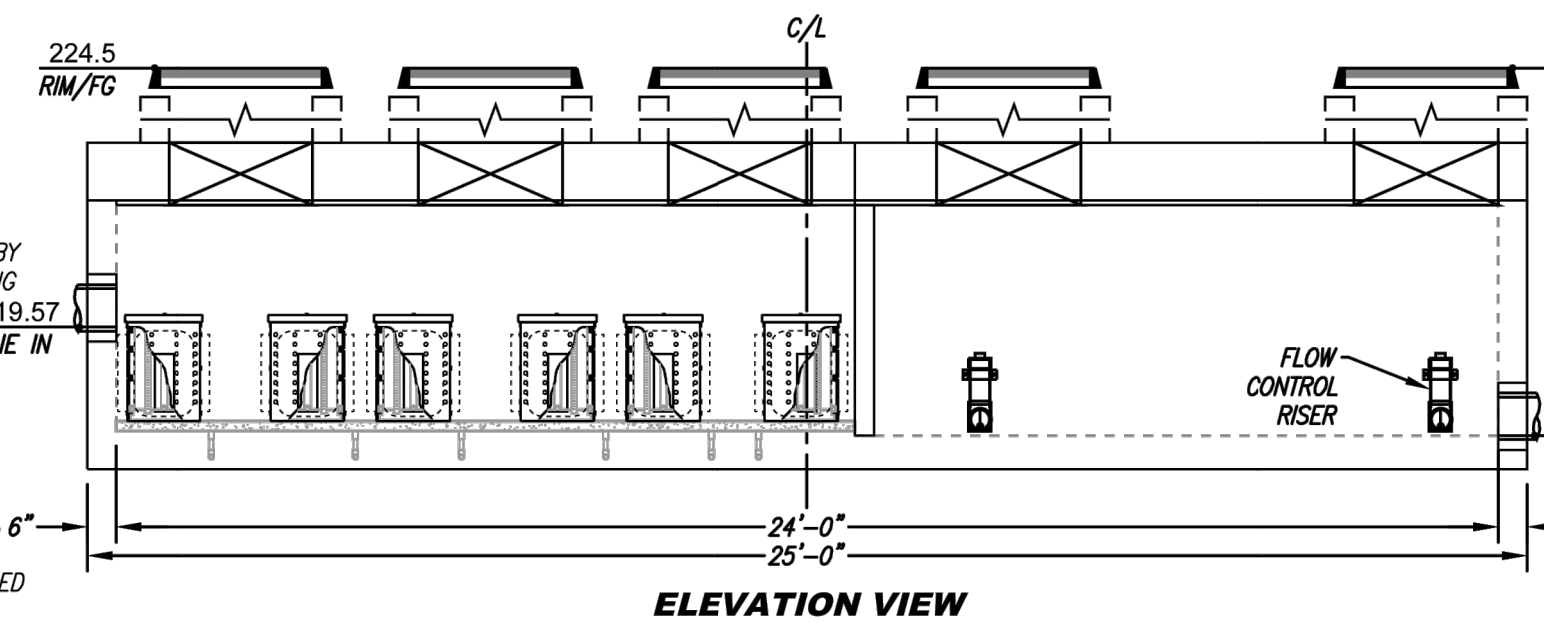
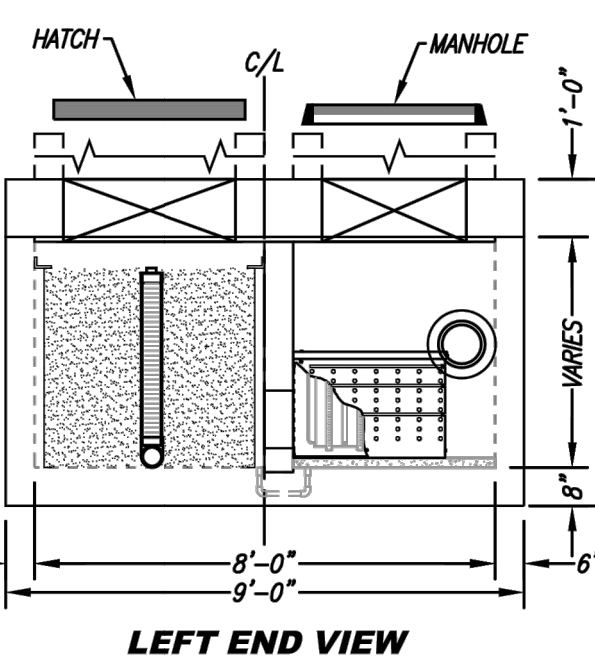
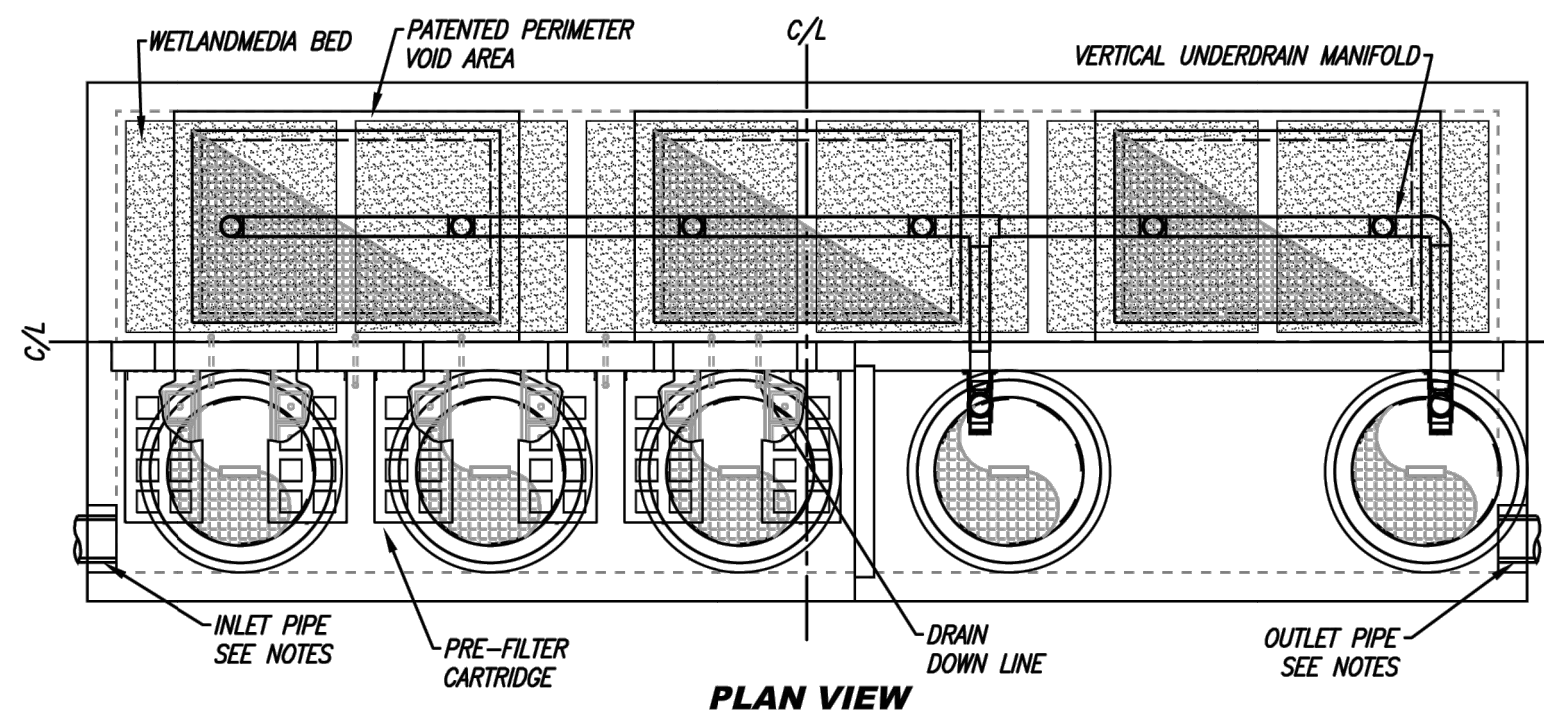
SITE SPECIFIC DATA			
PROJECT NUMBER	C23-127		
PROJECT NAME	WEST OLYMPIA DEV.		
PROJECT LOCATION	OLYMPIA, WA		
STRUCTURE ID	1 (SOUTH)		
TREATMENT REQUIRED			
FLOW BASED (CFS)			
0.264			
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE		OFFLINE	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	224.81	PVC	12"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	224.31	PVC	12"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION		228.24	
SURFACE LOAD		DIRECT TRAFFIC	
NOTES:			



TREATMENT FLOW (CFS)	0.264
OPERATING HEAD (FT)	2.6
PRE-TREATMENT LOADING RATE (GPM/SF)	1.5
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

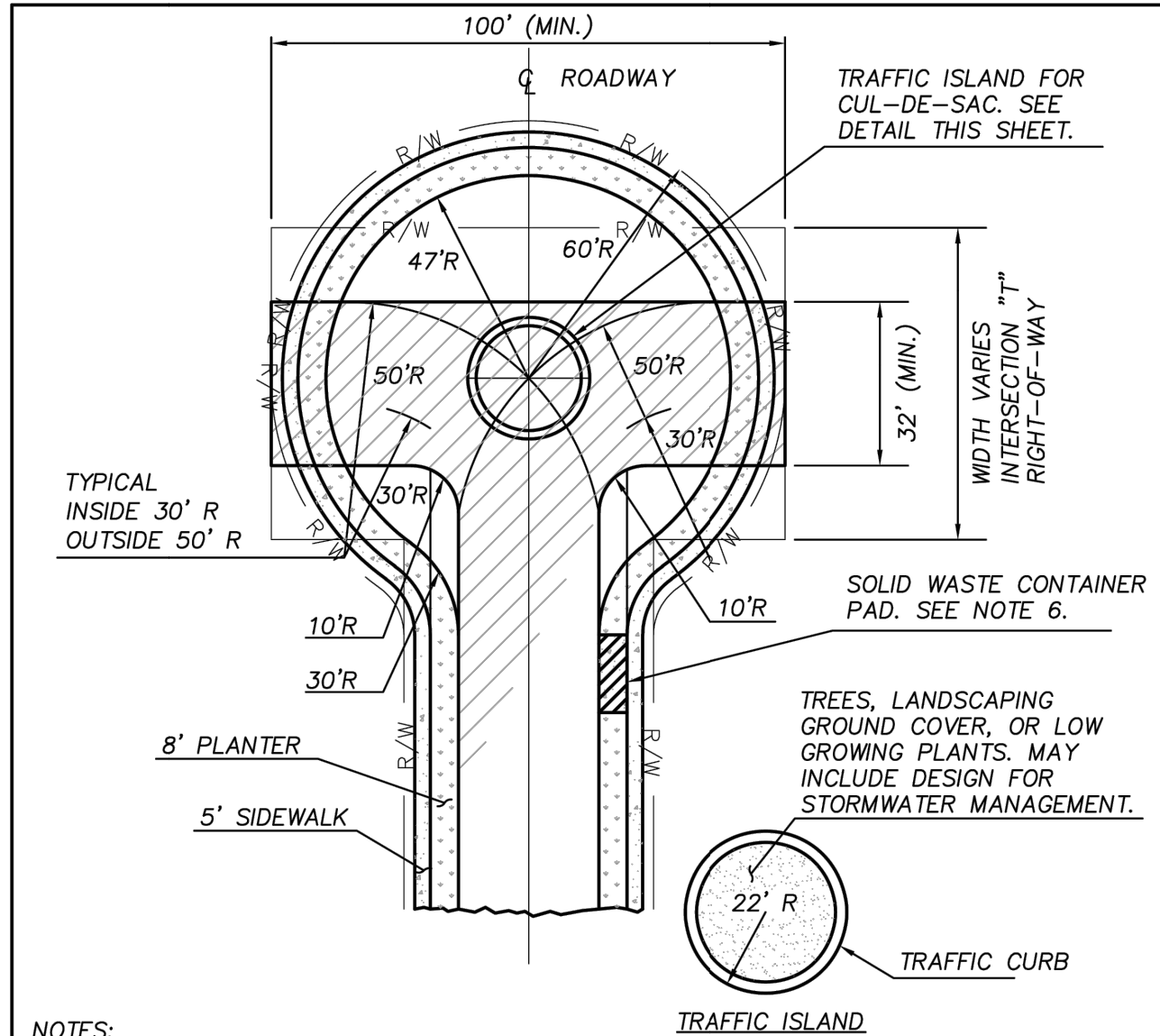
MWS-L-8-12-V-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

SITE SPECIFIC DATA			
PROJECT NUMBER	C23-127		
PROJECT NAME	WEST OLYMPIA DEV.		
PROJECT LOCATION	OLYMPIA, WA		
STRUCTURE ID	2 (NORTH)		
TREATMENT REQUIRED			
FLOW BASED (CFS)			
0.668			
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE		OFFLINE	
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	219.57	PVC	12"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	219.07	PVC	12"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION		224.50	
SURFACE LOAD		DIRECT TRAFFIC	
NOTES:			



TREATMENT FLOW (CFS)	0.668
OPERATING HEAD (FT)	3.3
PRE-TREATMENT LOADING RATE (GPM/SF)	2.0
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

MWS-L-8-24-V-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL



- NOTES:
- INTERSECTION "T" PERMITTED ONLY IN SINGLE FAMILY DEVELOPMENTS AND ON DEDICATED RIGHT-OF-WAY. THE "T" SEGMENT ORIENTATION MAY VARY TO MATCH LOCAL CONDITION.
 - THE TEMPORARY TEE CONFIGURATION MAY ONLY BE USED UPON WRITTEN APPROVAL FROM THE PUBLIC WORKS DEPARTMENT.
 - CUL-DE-SACS AND INTERSECTION "T" MUST BE FREE OF OBSTRUCTIONS AND SIGNED "NO PARKING ANY TIME".
 - R/W IS DEPENDENT UPON ROADWAY WIDTH REQUIREMENTS.
 - TRAFFIC ISLAND IS REQUIRED WITH CUL-DE-SAC CONSTRUCTION.
 - LENGTH OF PAD = $2.3(X) + (X-1)2 + 6'$; X = NUMBER OF UNITS IN CUL-DE-SAC.

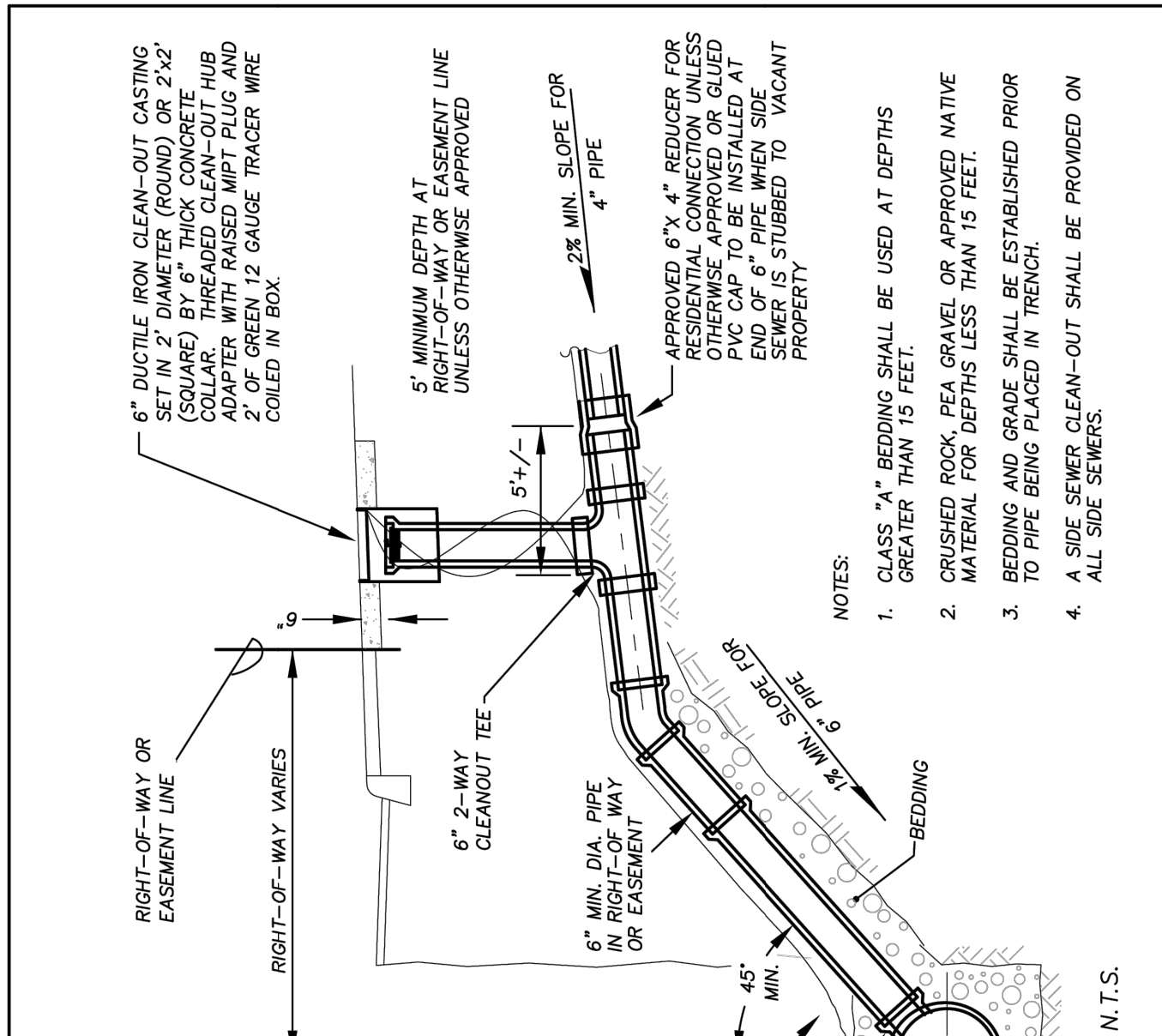
LEGEND:

— R/W — DEDICATED RIGHT-OF-WAY

— PAVING —

DEPICTS THE TEMPORARY "T" CONFIGURATION

APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	8/1/2021	CUL-DE-SAC OR TEMPORARY INTERSECTION "T"	4-5
CITY ENGINEER			



APPROVED BY	REVISED DATE	CITY OF OLYMPIA	STD. DWG. NO.
FRAN R. EIDE, PE	7/7/2021	SIDE SEWER WITH CLEANOUT	7-19
CITY ENGINEER			

UTILITY NOTE

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DISCLAIMER

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NO.	DATE	REVISIONS	DESCRIPTION

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www.LDCcorp.com

RJ DEVELOPMENT
WEST OLYMPIA DEVELOPMENT
2000 24TH AVE NW
PRELIMINARY PLAT DETAILS AND NOTES



JOB NUMBER:	C23-127
DRAWING NAME:	C23-127 PP-04
DESIGNER:	KH
DRAFTING BY:	ES
DATE:	APRIL 2024
SCALE:	AS NOTED
JURISDICTION:	THURSTON

PP-05
SHEET 5 OF 5