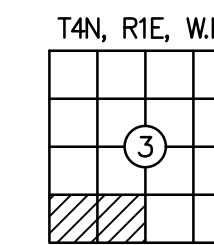






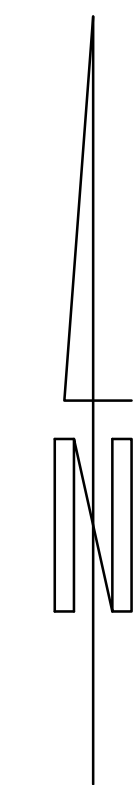
# EXISTING CONDITIONS SURVEY

LOCATED IN A PORTION OF THE SW 1/4 AND THE SW 1/4 OF THE SW 1/4 OF SECTION 3 T. 4 N., R. 1 E., W.M. CLARK COUNTY, WASHINGTON



## LEGEND:

- INDICATES WATER VALVE
- INDICATES FIRE HYDRANT
- INDICATES WATER METER
- INDICATES WATER BLOW OFF
- INDICATES POWER POLE
- INDICATES GUY ANCHOR
- INDICATES JUNCTION BOX
- INDICATES ELECTRIC SERVICE BOX
- INDICATES TELEPHONE VAULT
- INDICATES TELEPHONE SERVICE BOX
- INDICATES TELEPHONE MARKER
- AFN: INDICATES AUDITOR'S FILE NUMBER
- PIN: INDICATES PARCEL IDENTIFICATION NUMBER
- ASPH: INDICATES ASPHALT
- GRV: INDICATES GRAVEL
- INDICATES PROPERTY BOUNDARY
- - - INDICATES EDGE OF ASPHALT
- - - INDICATES EDGE OF CONCRETE
- - - INDICATES EDGE OF GRAVEL
- - - INDICATES 5 FOOT INTERVAL CONTOUR
- - - INDICATES 1 FOOT INTERVAL CONTOUR
- - - INDICATES PAINT STRIPE
- - - INDICATES ELECTRIC LOCATE
- - - INDICATES TELEPHONE LOCATE
- - - INDICATES WATER LOCATE
- - - INDICATES OVER HEAD POWER



SCALE 1 INCH = 10 FEET

HORIZONTAL DATUM:  
NAD 83(2011)(EPOCH 2010.0000), WASHINGTON STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, US SURVEY FEET.

VERTICAL DATUM:  
NAVD 88(GEOD 18)

NOTE:  
A UTILITY LOCATE WAS CALLED FOR BY OTHERS. THE UNDERGROUND UTILITIES AS SHOWN HEREIN ARE AS MARKED AT THE TIME OF THIS SURVEY. UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. UNDERGROUND CONNECTIONS ARE SHOWN AS STRAIGHT LINES BETWEEN SURFACE LOCATIONS BUT MAY CONTAIN BENDS OR CURVES NOT SHOWN. SOME UNDERGROUND LOCATIONS HEREON MAY HAVE BEEN TAKEN FROM PUBLIC RECORDS. M.G.S. ASSUMES NO LIABILITY FOR THE ACCURACY OF PUBLIC RECORDS.

## SHEET 2 EXISTING CONDITIONS

	SCALE: 1"=10'
	JOB NO. 21-220
	DATE: 5/12/2021
	CALC BY: RDH
	DRAWN BY: RDH
CHECKED BY: DAR	
SHEET 2 OF 9	



10.5' W X 16' L FLOW  
STATION BUILDING  
SEE SHEET 8 FOR  
BUILDING PLANS

5' WIDTH CONC.  
SIDEWALK

36' L X 18' W  
GRAVEL DRIVEWAY

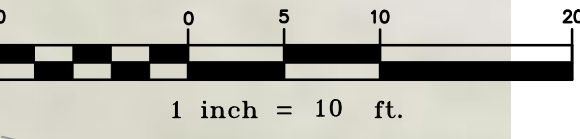
NEW 12" WATER MAIN

NEW 8" WATER  
MAIN

EXTG GRAVEL  
DRIVE

NEW 12" WATER MAIN

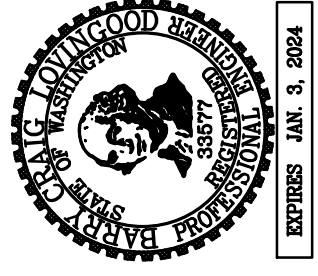
EXTG ASPHALT  
DRIVEWAY



NEW 12" WATER MAIN  
EXTENSION TO BRIDGE AT  
EAST FORK LEWIS RIVER



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UTILITIES  
NOTIFICATION CENTER



DATE	MARK	REVISION

**FLOW STATION #1  
&  
12" WATER MAIN IMPROVEMENTS  
FLOW STATION PLAN**

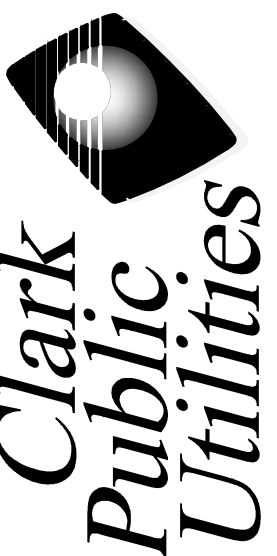
RIO	567073	3	OF	9
DESIGNED	BCL			
DRAWN	BRC			
CHECKED				
SCALE	See Bar Scale			
DATE	5-31-2022			






**SURFACES SUMMARY:**

DRIVEWAY AREA	=	723 SF
SIDEWALK AREA	=	630 SF
ROOF AREA	=	168 SF
GRAVEL SLOPE	=	246 SF
TOTAL DISTURBED AREA	=	1,767 SF



**Clark  
Public  
Utilities**

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NOTIFICATION CENTER



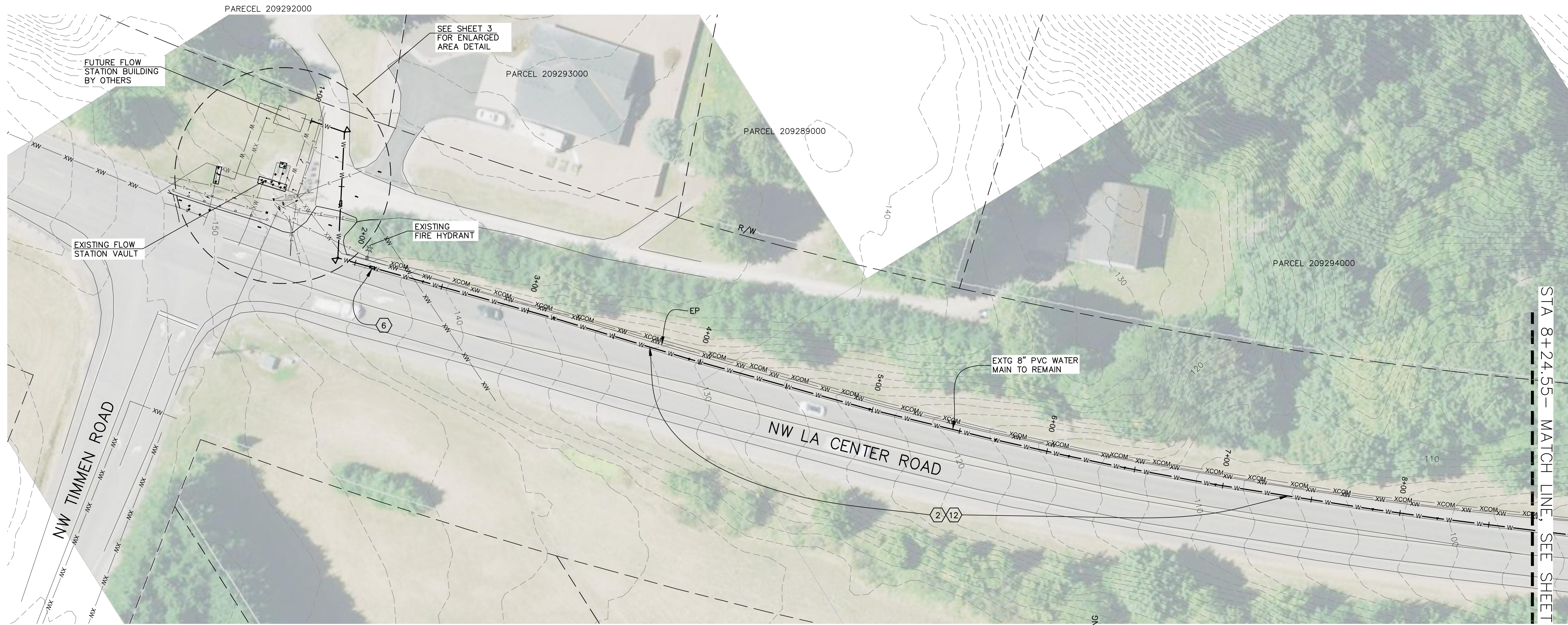
DATE	MARK	REVISION

**FLOW STATION #1  
&  
12" WATER MAIN IMPROVEMENTS**

**STORM DRAIN PLAN**

R/O	567073	DESIGNED	BCL	DRAWN	BRC	CHECKED	See Bar Scale	DATE	5-31-2022	SHEET	4	OF	9
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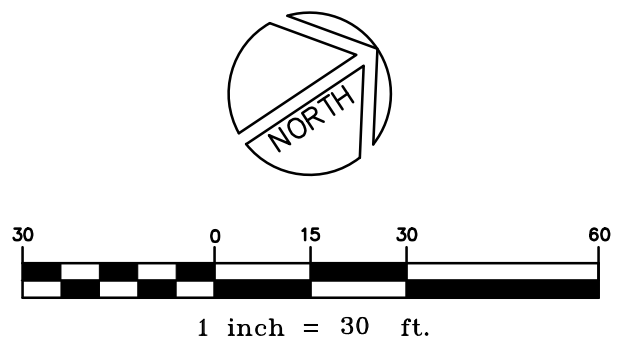
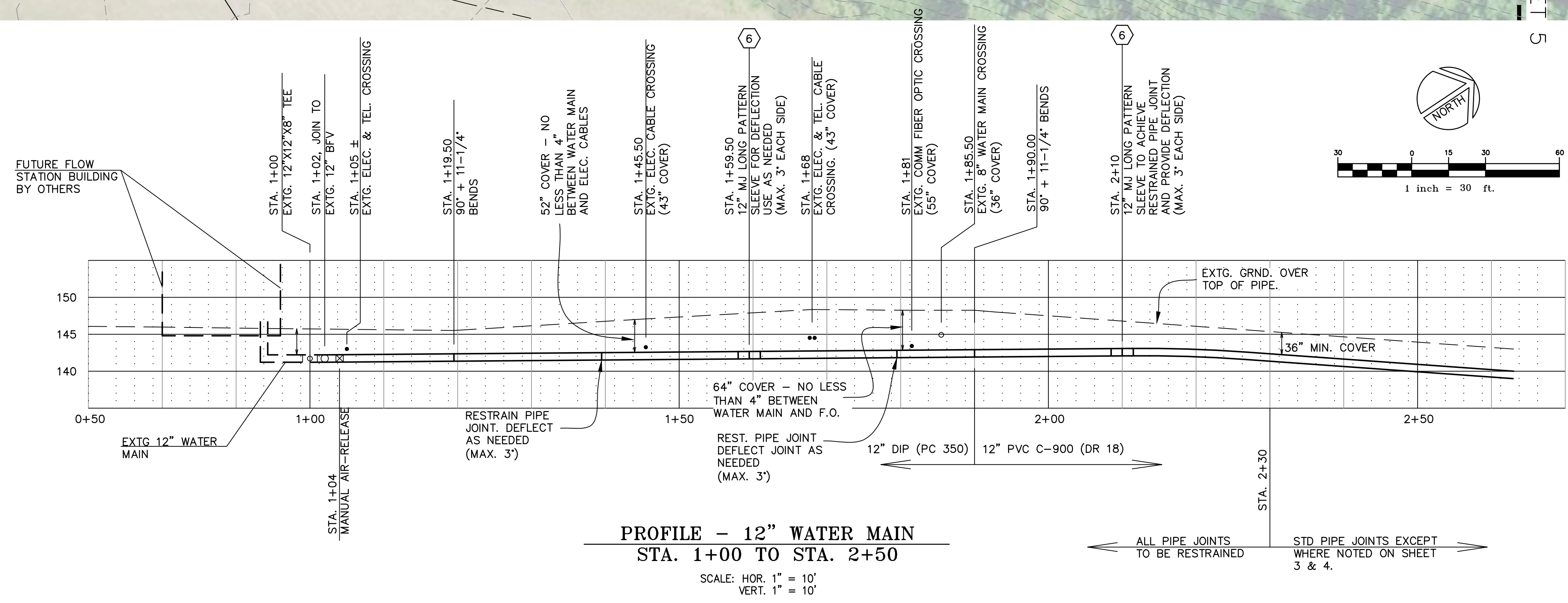
STA 8+24.55 - MATCH LINE - SEE SHEET 5

**GENERAL NOTES**

1. Depths of water main called out on the plan are as measured from finished ground to top of pipe. In no case shall depth be less than 3 feet.
2. Thrust Blocks are required at all tees, bends, and dead ends.
3. All MJ fittings shall be restrained by MJ restraint glands
4. Only the CPU inspector will operate valves.
5. After the water mains are constructed, the CPU inspector will fill all water mains with assistance from the contractor. The CPU inspector will inject chlorine solution with the initial fill to disinfect the mains. After successful disinfection, the CPU inspector will flush the water mains with the assistance of the contractor. After successful disinfection and flushing, the CPU inspector will pressure test the water mains with the assistance of the contractor.
6. Restrained pipe joints are required near fittings, bends, tees, and valves as noted on the plans and as required per the standard details.
7. Vertical bends shall not be used unless specifically noted on the plans and allowed by the CPU engineer. When allowed by the CPU engineer, all pipes either side of the vertical bend shall utilize restrained joints as shown on the plan and standard details.

**CONSTRUCTION NOTES:**

- ② 12" PVC C-900 (DR 18) WATER MAIN, IMPORTED GRANULAR BACKFILL
- ⑥ 12" MJ LONG PATTERN SLEEVE WITH MJ RESTRAINT GLANDS
- ⑫ TRENCH SURFACE RESTORATION WITHIN LA CENTER ROAD ASPHALT ROADWAY SHOULDER - 6" THICKNESS HOT MIX ASPHALT (2 LIFTS)

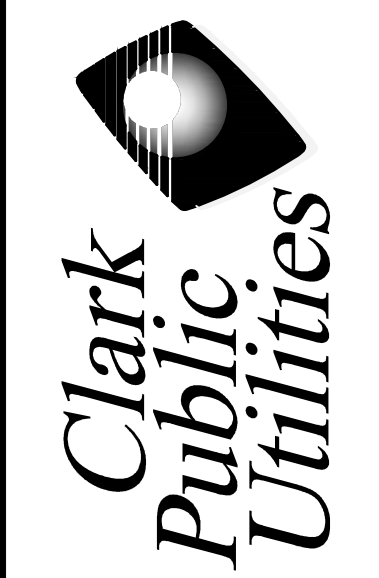
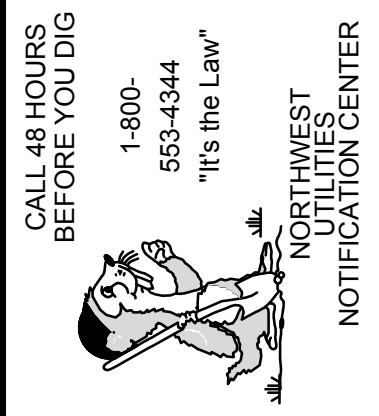


**NW LA CENTER ROAD  
12" WATER MAIN**

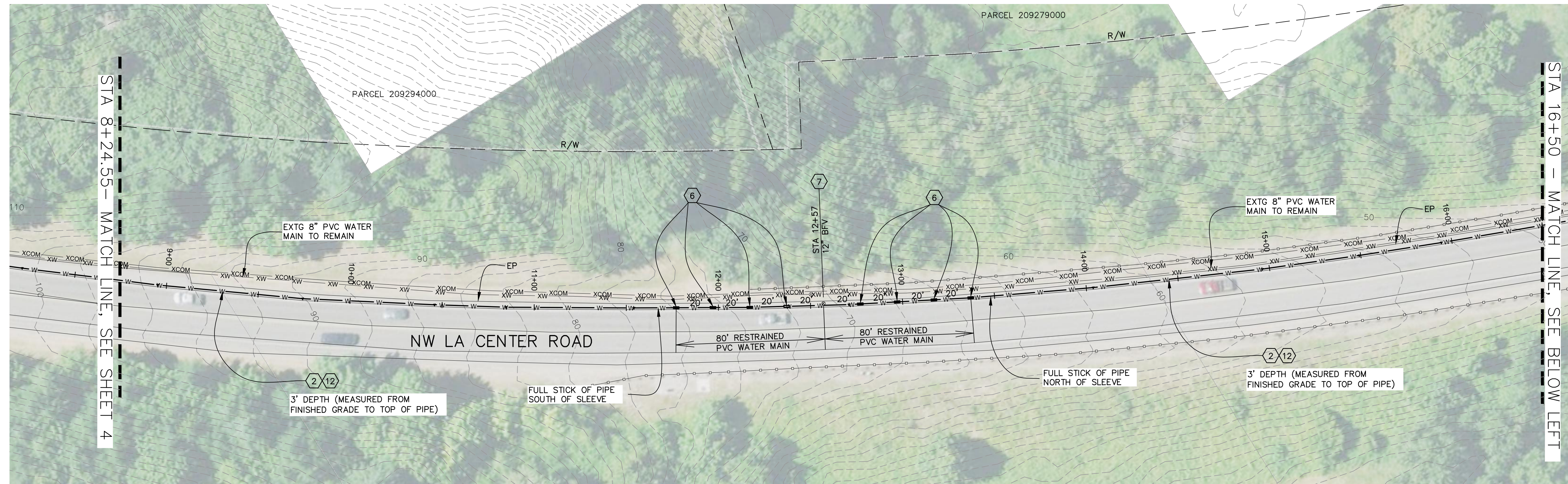
**WATER MAIN PLAN**

RIO	567073
DESIGNED	BCL
DRAWN	BRC
CHECKED	See Bar Scale
SCALE	5-31-2022
DATE	SHEET 5 OF 9

DATE	MARK	REVISION

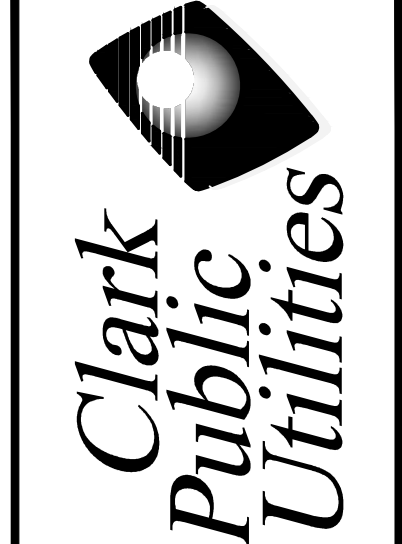
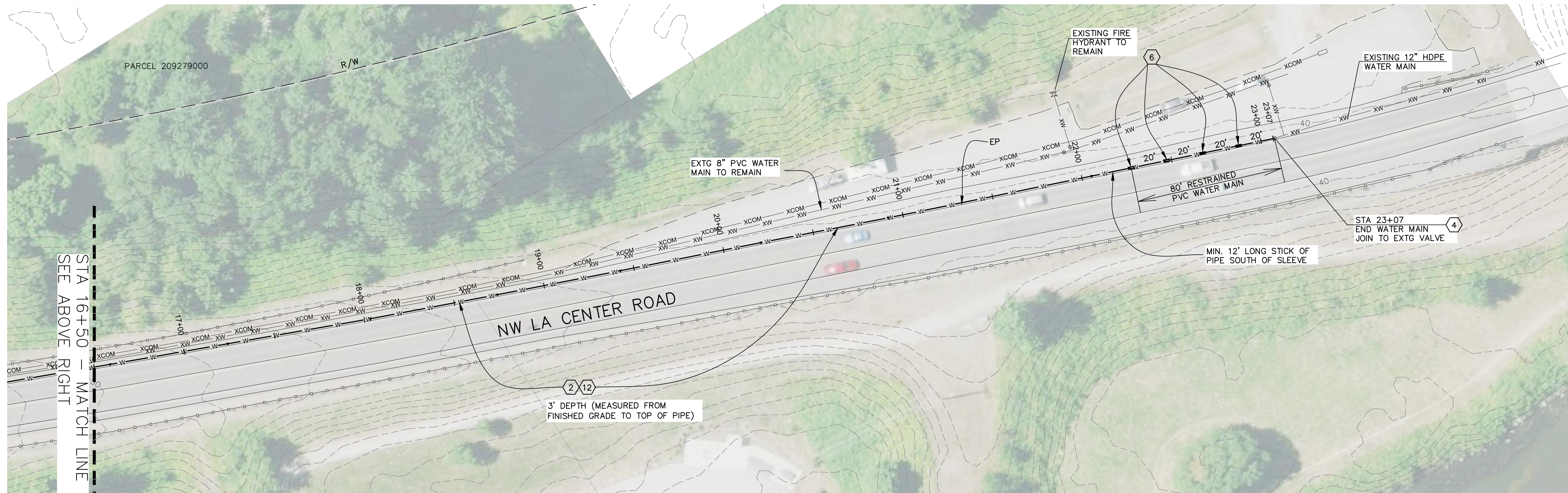
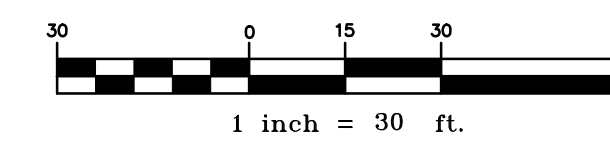




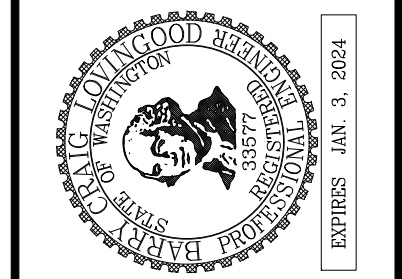


**CONSTRUCTION NOTES:**

- ② 12" PVC C-900 (DR 18) WATER MAIN, IMPORTED GRANULAR BACKFILL
- ④ CONNECT TO EXTG 12" BFV. WEST END OF BFV IS MJ. CONNECT TO MJ END WITH PE PIPE AND MJ RESTRAINT GLAND.
- ⑥ 12" MJ LONG PATTERN SLEEVE WITH MJ RESTRAINT GLANDS
- ⑦ 1 EA - 12" BFV, MJ X MJ  
2 EA - 12" MJ RESTRAINT GLAND
- ⑫ TRENCH SURFACE RESTORATION WITHIN LA CENTER ROAD ASPHALT ROADWAY SHOULDER - 6" THICKNESS HOT MIX ASPHALT (2 LIFTS)



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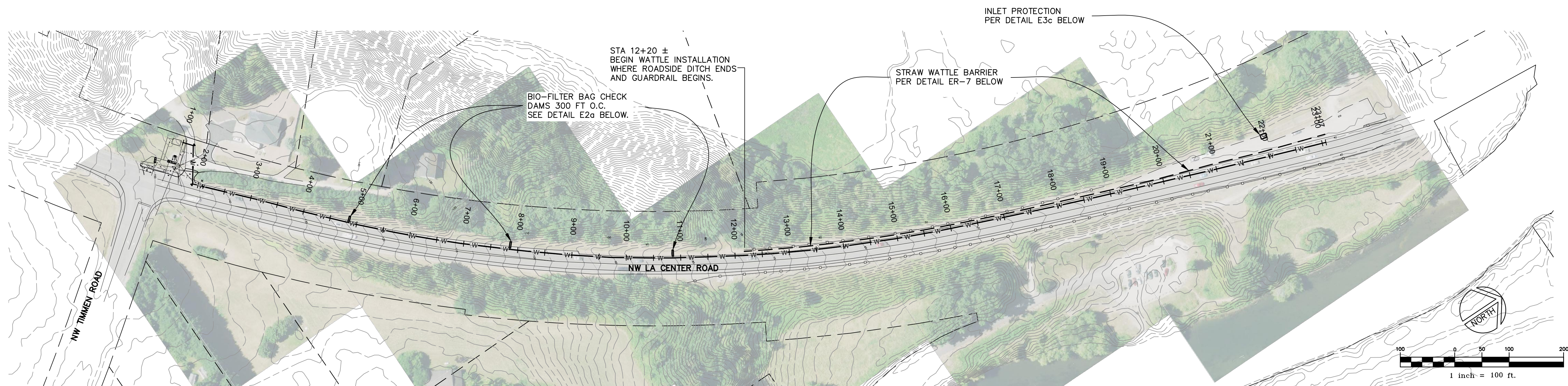
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NO.	DATE	MARK	REVISION

**NW LA CENTER ROAD  
12" WATER MAIN  
WATER MAIN PLAN**

R/O	567073
DESIGNED	BCL
DRAWN	BRC
CHECKED	
SCALE	NTS
DATE	5-31-2022
SHEET	6 OF 9





- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE AND IN WORKING CONDITION PRIOR TO ANY LAND DISTURBING ACTIVITY CAUSED BY CLEARING OR GRADING. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE APPROVED BY THE CITY PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL CALL FOR AN ON-SITE INSPECTION WHEN EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND PRIOR TO COMMENCEMENT OF WORK.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SITED, DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS IN THE CITY OF LA CENTER ENGINEERING STANDARDS FOR PUBLIC WORKS CONSTRUCTION.
- THE DEVELOPER IS RESPONSIBLE FOR MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROL MEASURES DURING AND AFTER INSTALLATION OF ALL UTILITY WORK ASSOCIATED WITH UTILITY TRENCHES.
- PRIOR TO ANY SITE EXCAVATION, ALL STORM DRAINAGE INLETS SHALL BE PROTECTED DOWN SLOPE FROM ANY DISTURBED OR CONSTRUCTION AREAS PER THE STANDARD DETAILS TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAINAGE SYSTEM PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREAS. CLEAN THE FILTER FABRIC AS NECESSARY TO MAINTAIN DRAINAGE. REMOVE FILTER AND CLEAN CATCH BASINS FOLLOWING COMPLETION OF SITEWORK.
- THE CONTRACTOR SHALL NOT ALLOW SEDIMENT OR DEBRIS TO ENTER NEW OR EXISTING PIPES, CATCH BASINS OR INFILTRATION SYSTEMS.
- NEWLY CONSTRUCTED OR MODIFIED INLETS AND CATCH BASINS ARE TO BE PROTECTED IMMEDIATELY UPON INSTALLATION.
- TEMPORARY SEEDING AND MULCHING OF FILLS SLOPES AND DIVERSION DIKES SHALL BE COMPLETED WITHIN ONE WEEK AFTER ROUGH GRADING.
- ALL EXPOSED AND UNWORKED SOILS SHALL BE STABILIZED BY THE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPs). DURING THE PERIOD FROM OCTOBER 1 TO APRIL 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN TWO (2) DAYS. FROM MAY 1 TO SEPTEMBER 30 NO SOIL SHALL BE EXPOSED FOR MORE THAN SEVEN (7) DAYS.
- MATERIAL STOCKPILES ARE TO BE PROTECTED BY THE FOLLOWING MEANS:  
-TEMPORARY: COVER PILES WITH TARPS OR PLASTIC SHEETING WEIGHTED WITH CONCRETE BLOCKS, LUMBER OR TIRES.  
-PERMANENT: COVER PILES WITH TARPS OR PLASTIC, OR RESEED. PERIMETER AREAS AROUND PILES ARE TO BE SURROUNDED WITH EROSION CONTROL. FILTER FABRIC FENCES UNTIL SOIL SURFACE IS STABILIZED WITH RESEEDING.
- THE CONTRACTOR SHALL MAINTAIN ON SITE A WRITTEN DAILY LOG OF EROSION CONTROL BMP MAINTENANCE.
- IF THE CITY INSPECTOR OR ENGINEER HAS EVIDENCE OF POOR CONSTRUCTION PRACTICES OR IMPROPER EROSION PREVENTION BMPs, CITATIONS AND/OR A STOP WORK ORDER SHALL BE ISSUED UNTIL PROPER MEASURES HAVE BEEN TAKEN AND APPROVED BY THE CITY OF LA CENTER. IF THE BMPs APPLIED TO A SITE ARE INSUFFICIENT TO PREVENT SEDIMENT FROM REACHING WATER BODIES, ADJACENT PROPERTIES, OR PUBLIC RIGHT-OF-WAY, THEN THE CITY SHALL REQUIRE ADDITIONAL BMPs.
- ALTERNATIVE BMPs NOT SHOWN IN THESE DETAILS ARE ACCEPTABLE PROVIDED THEY ARE PART OF ECOLOGY'S WESTERN WASHINGTON STORMWATER MANAGEMENT MANUAL AND THE CITY ENGINEER REVIEWS AND APPROVES THE ALTERNATIVE BMPs AS PART OF THE EROSION CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION.

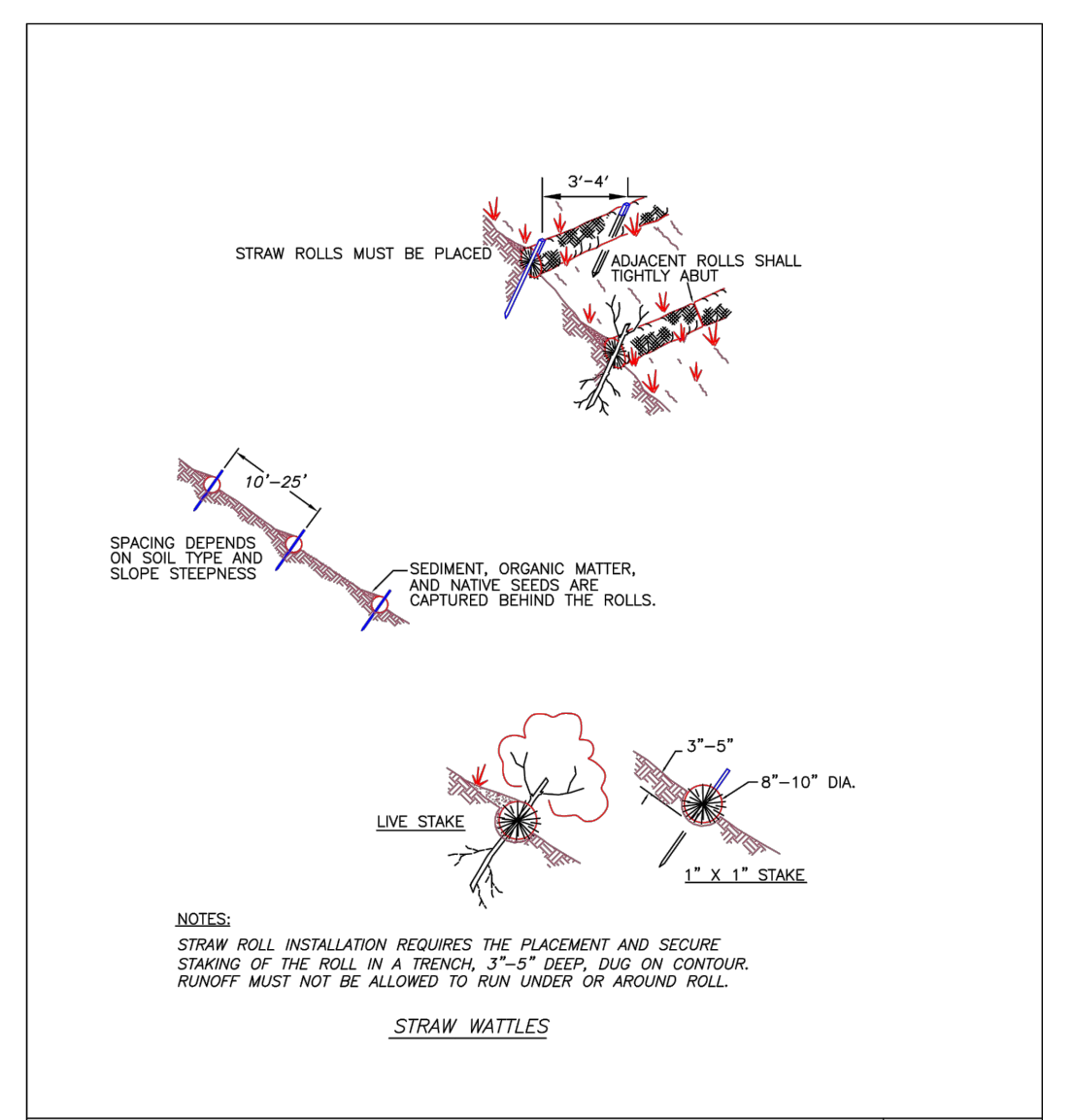
**EROSION CONTROL GENERAL NOTES I**

CITY OF LA CENTER	REVISIONS	DATE	DRAWN/DESIGNED	PLAN #
<i>Barb Stepp, PE 7/23/09</i>				ER-1A
CITY ENGINEER				

- PROVIDE A 12-INCH DEEP PAD OF CRUSHED ROCK FOR A DISTANCE OF 100 FEET INTO THE SITE FOR ALL ACCESS POINTS UTILIZED BY CONSTRUCTION EQUIPMENT AND TRUCKS. WIDTH OF THE PAD SHALL BE A MINIMUM OF 20 FEET. ALL TRUCKS LEAVING THE SITE SHALL CROSS THE PAD. ACCUMULATED SOIL SHALL BE PERIODICALLY REMOVED, OR ADDITIONAL ROCK SHALL BE PLACED UPON THE PAD SURFACE. ROCK SHALL BE CLEAN 4 INCH TO 8 INCH QUARRY SPALLS. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- PAVEMENT SWEEPING AND SHOVELING IS REQUIRED. WASHING THE PAVEMENT INTO THE STORM SYSTEM IS NOT PERMITTED.
- AT SITES WITH LESS THAN 1 ACRE OF EXPOSED SOIL, PAD LENGTH MAY BE REDUCED TO 50 FEET. SINGLE FAMILY LOT ENTRANCES MAY HAVE THE PAD LENGTH REDUCED TO 20 FEET.
- INSTALL SEDIMENT FENCE IN ACCORDANCE WITH DETAIL ER-3 PRIOR TO BUILDING CONSTRUCTION AND/OR EXCAVATION TO PREVENT SILT INTRUSION UPON ADJACENT LOTS. IF CONSTRUCTION OCCURS SIMULTANEOUSLY ON ADJACENT LOTS AND THE LOTS HAVE THE SAME OWNER DURING CONSTRUCTION, THE SILT FENCE ALONG THE COMMON LOT LINE MAY BE ELIMINATED.
- CONSTRUCTION ROADS AND PARKING AREAS SHALL BE STABILIZED WHEREVER THEY ARE CONSTRUCTED, WHETHER PERMANENT OR TEMPORARY, FOR THE USE OF CONSTRUCTION TRAFFIC.
- MAINTAIN AND REMOVE ALL SEDIMENT CONTROLS AS SPECIFIED IN THE STANDARD DETAILS. THE CONTRACTOR SHALL REMOVE ALL ACCUMULATED SEDIMENT FROM THE CATCH BASINS, DRYWELLS, UTILITY TRENCHES AND STORM PIPES PRIOR TO ACCEPTANCE BY THE CITY.
- SEDIMENT CONTROL BMPs SHALL BE INSPECTED WEEKLY AND AFTER ANY STORM EVENT PRODUCING RUNOFF. THE INSPECTION FREQUENCY FOR STABILIZED, INACTIVE SITES SHALL BE ONCE EVERY TWO WEEKS OR MORE FREQUENTLY AS DETERMINED BY THE LOCAL PERMITTING AUTHORITY BASED ON THE LEVEL OF SOIL STABILITY AND POTENTIAL FOR ADVERSE ENVIRONMENTAL IMPACTS.
- ALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER SITE STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.
- IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST ONE OR MORE OF THE FOLLOWING PREVENTATIVE MEASURES SHALL BE TAKEN FOR DUST CONTROL:  
-MINIMIZE THE PERIOD OF SOIL EXPOSURE THROUGH THE USE OF TEMPORARY GROUND COVER AND OTHER TEMPORARY STABILIZATION PRACTICES.  
-SPRINKLE THE SITE WITH WATER UNTIL THE SURFACE IS WET.  
-SPRAY EXPOSED SOIL AREAS WITH A DUST PALLETING. NOTE: USE OF PETROLEUM PRODUCTS OR POTENTIALLY HAZARDOUS MATERIALS ARE PROHIBITED.
- EXPOSED SURFACES THAT WILL NOT BE BROUGHT TO FINAL GRADING OR GIVEN A PERMANENT COVER TREATMENT WITHIN 30 DAYS OF THE EXPOSURE SHALL HAVE SEED MIX AND MULCH PLACED TO STABILIZE THE SOIL AND REDUCE EROSION/SEDIMENTATION. SEEDING AREAS SHALL BE CHECKED REGULARLY TO ASSURE A GOOD STAND OF GRASS IS BEING MAINTAINED. AREAS THAT FAIL TO ESTABLISH VEGETATION COVER ADEQUATE TO PREVENT EROSION WILL BE RESEED AS SOON AS SUCH AREAS ARE IDENTIFIED.
- APPLY AN APPROVED TEMPORARY SEEDING MIXTURE TO THE PREPARED SEED BED AT A RATE OF 120 LBS/ACRE. NOTE: "HYDROSEEDING" APPLICATIONS WITH APPROVED SEED-MULCH-FERTILIZER MIXTURES MAY ALSO BE USED.

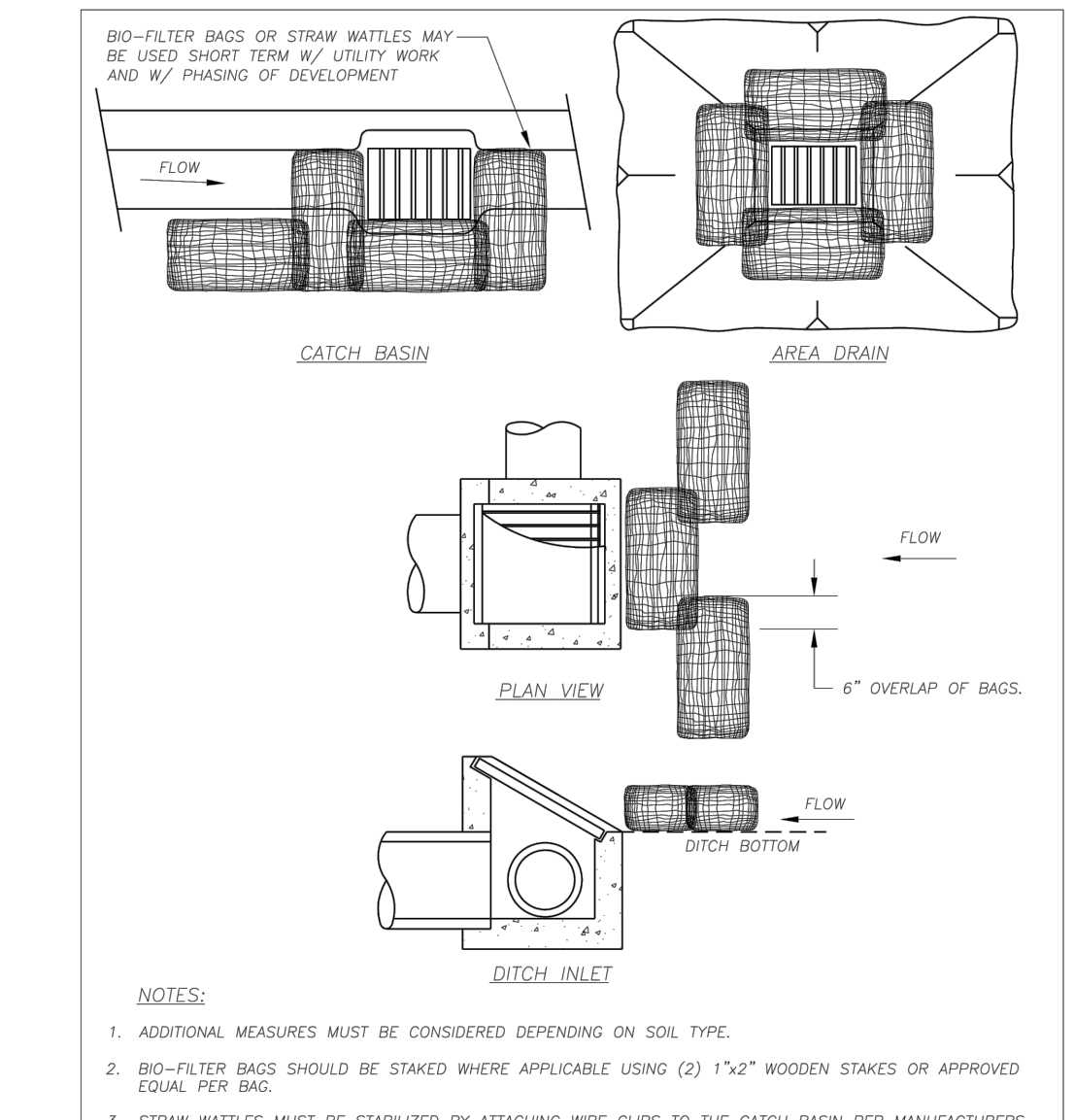
**EROSION CONTROL GENERAL NOTES II**

CITY OF LA CENTER	REVISIONS	DATE	DRAWN/DESIGNED	PLAN #
<i>Barb Stepp, PE 7/23/09</i>				ER-1B
CITY ENGINEER				



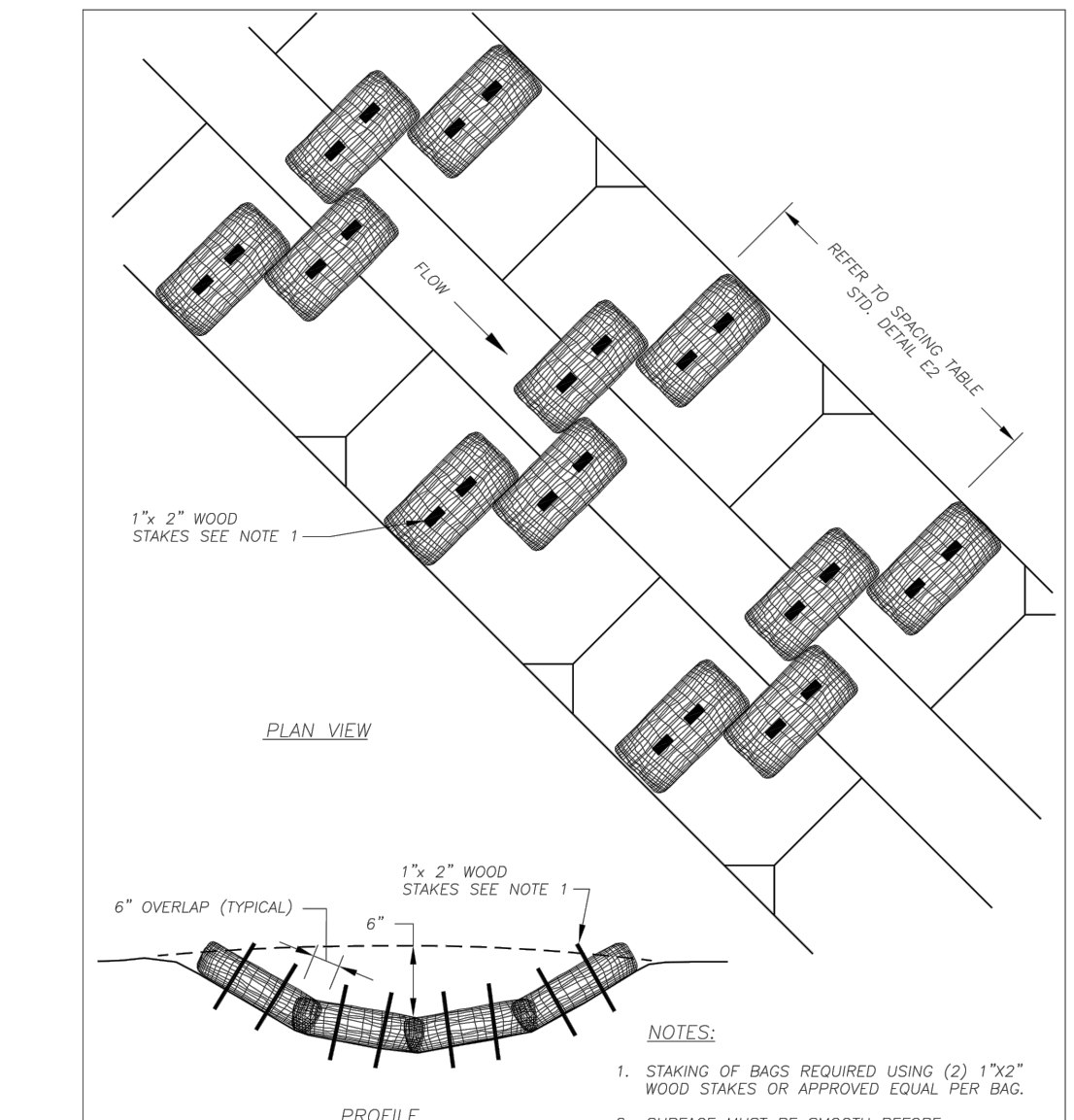
**STRAW WATTLES BARRIER**

CITY OF LA CENTER	REVISIONS	DATE	DRAWN/DESIGNED	PLAN #
<i>Barb Stepp, PE 7/23/09</i>				ER-7
CITY ENGINEER				



**INLET PROTECTION TYPE 4 BIO-FILTER BAGS**

CITY OF LA CENTER	REVISIONS	DATE	DRAWN/DESIGNED	PLAN #
<i>Barb Stepp, PE 7/23/09</i>				ER-7
CITY ENGINEER				

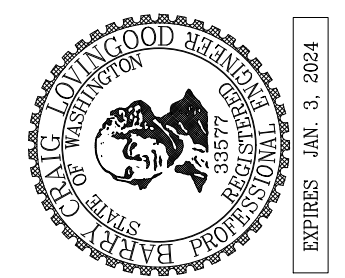


**BIO-FILTER BAGS CHECK DAM**

CITY OF LA CENTER	REVISIONS	DATE	DRAWN/DESIGNED	PLAN #
<i>Barb Stepp, PE 7/23/09</i>				E2a
CITY ENGINEER				



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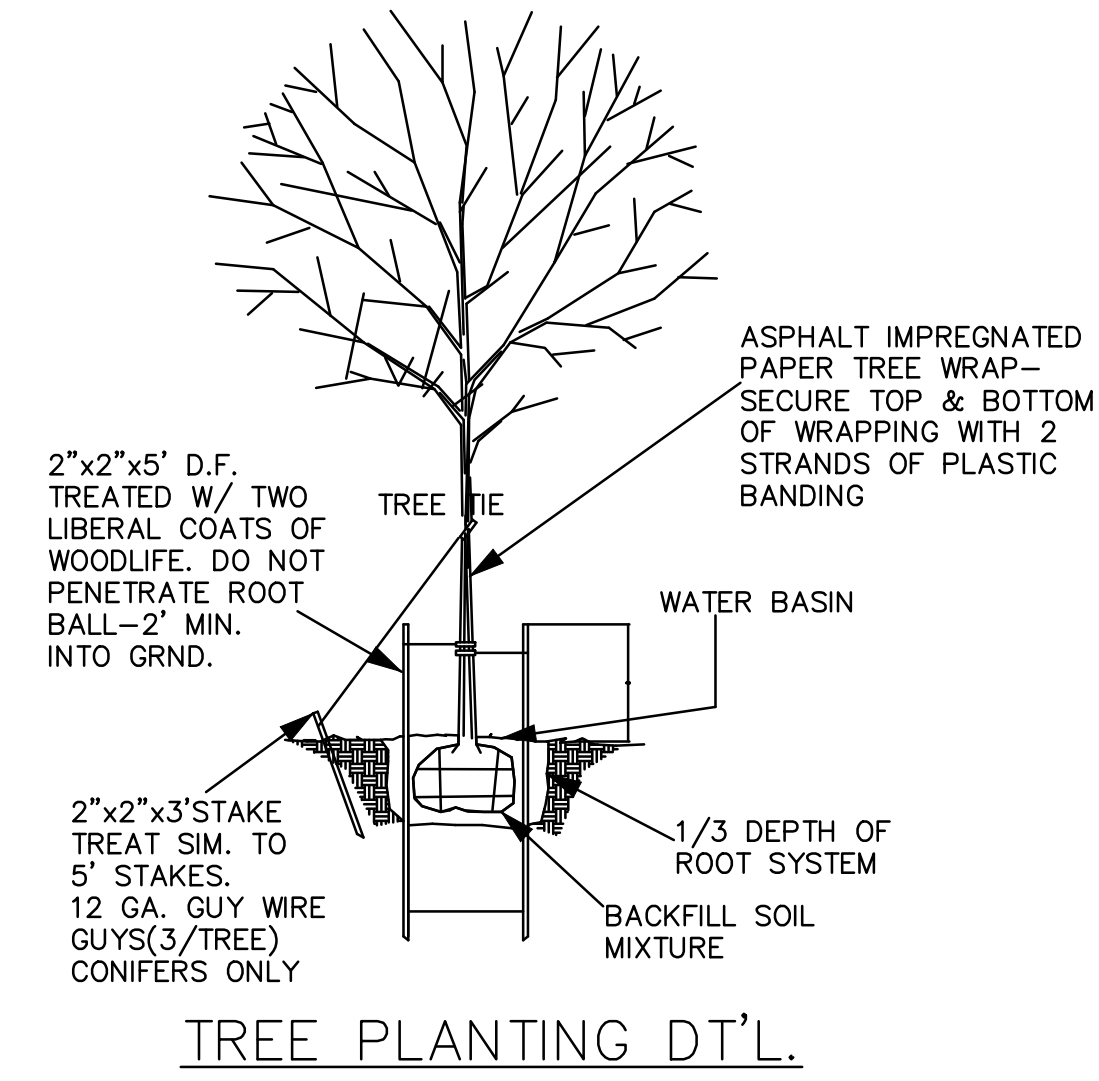
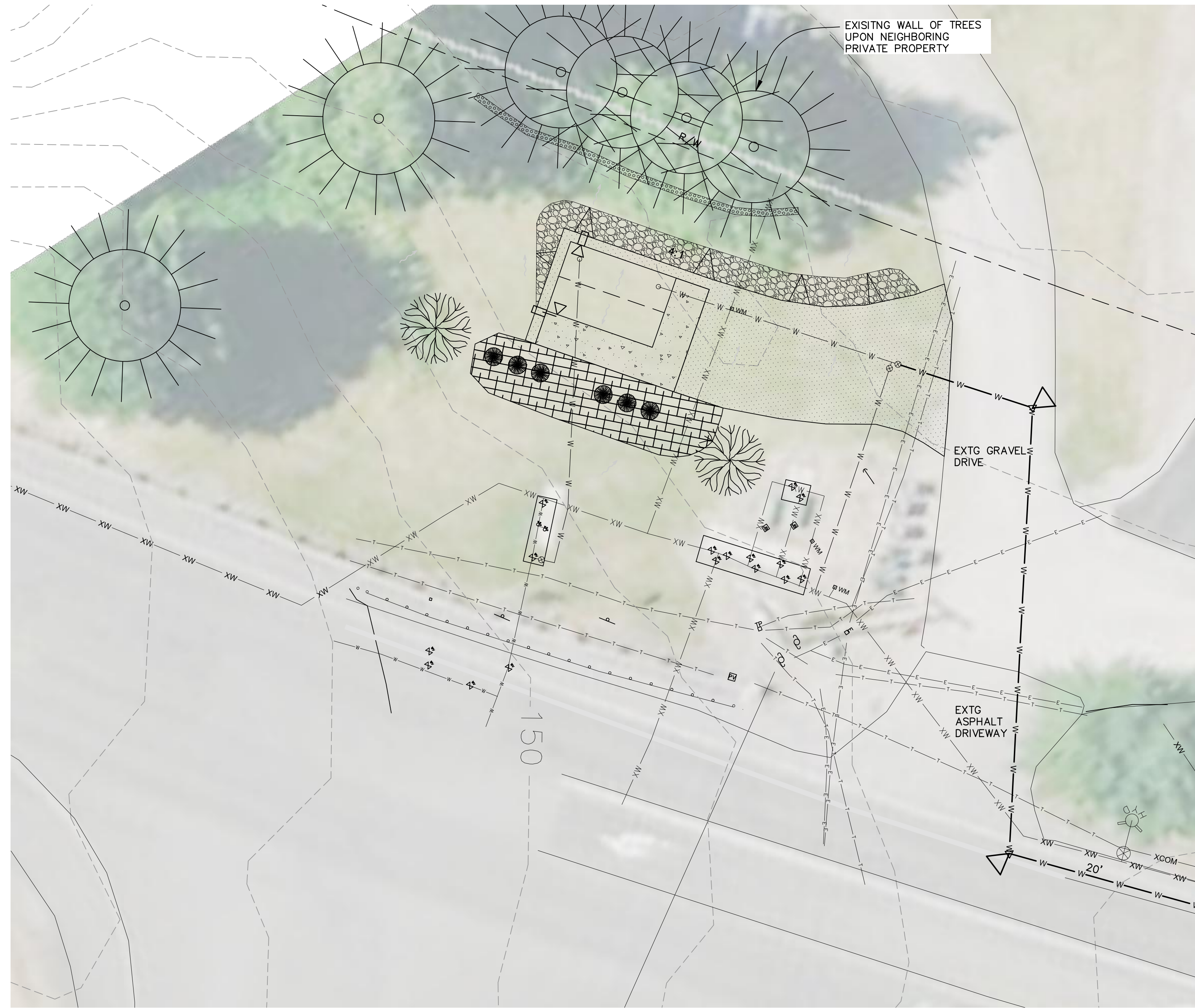


DATE	MARK	REVISION

**NW LA CENTER ROAD  
12" WATER MAIN  
EROSION CONTROL PLAN  
SNW TIMMEN ROAD TO BRIDGE**

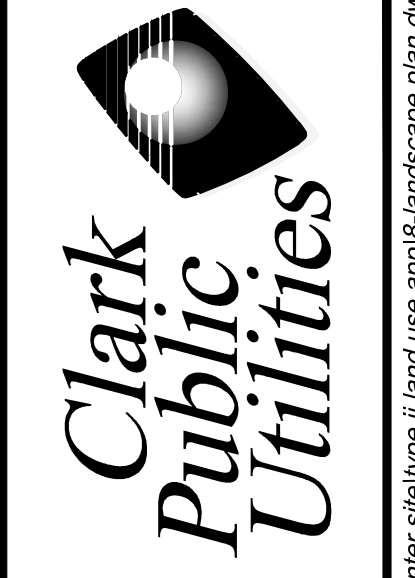
RIO	567073	DESIGNED	BCL	DRAWN	BRC	CHECKED	NTS	DATE	6-31-2022	SHEET	7 OF 9
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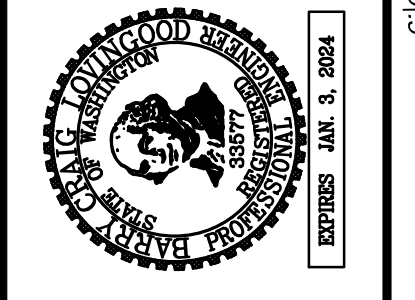


**LANDSCAPE LEGEND**

SYMBOL	BOTANICAL/COMMON NAME	SIZE	QTY	CONDITION
	Cloud 9 Dogwood Cornus Florida	2" cal.	2	As Shown
	Emerald Green Arborvitae Thuja occidentalis	2 gal	6	3' o.c.
	Kinnikinnick	315 sf	3 ft o.c.	Groundcover



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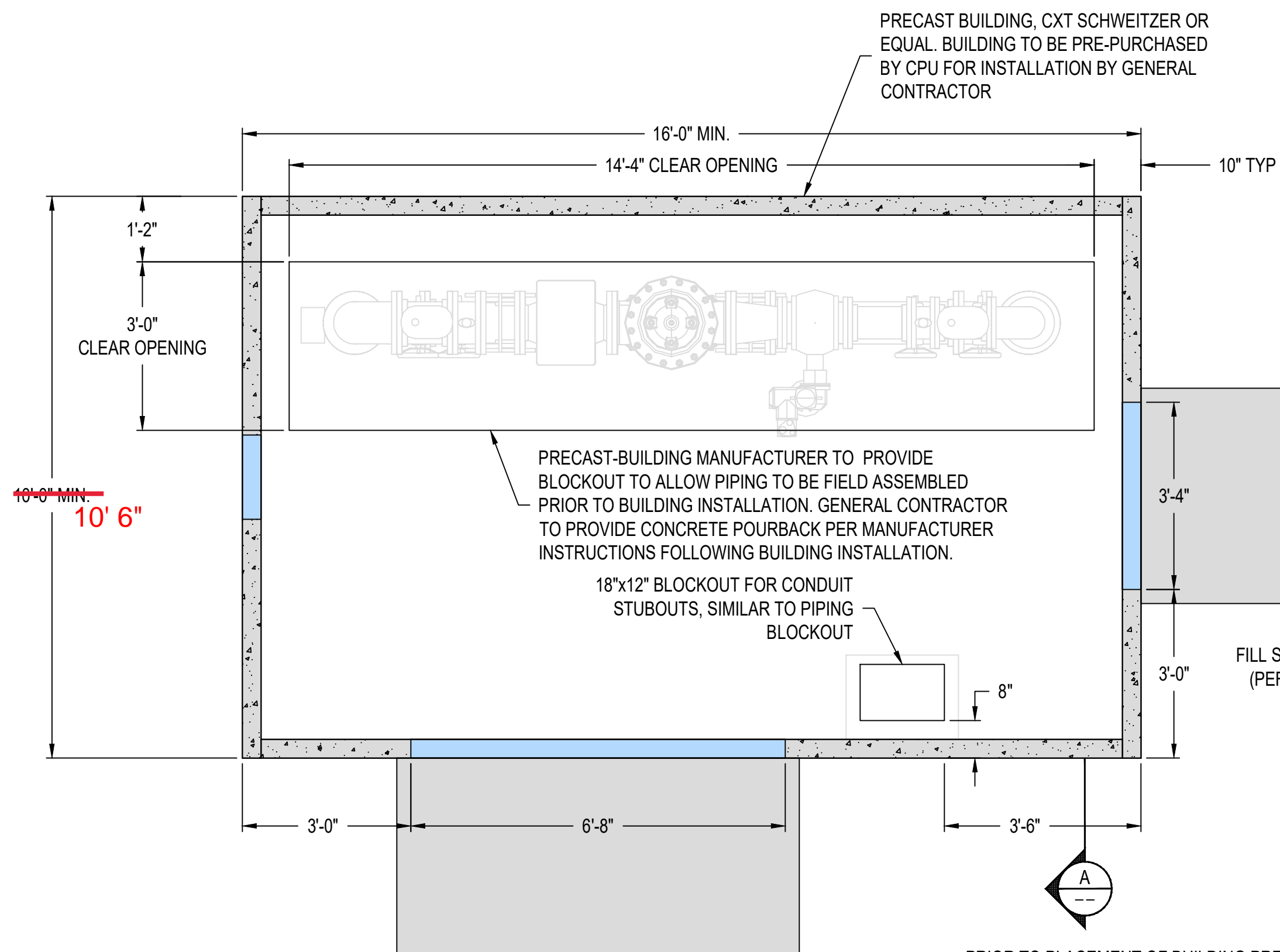
REVISION	MARK	DATE

**FLOW STATION #1 & 12" WATER MAIN IMPROVEMENTS LANDSCAPE PLAN**

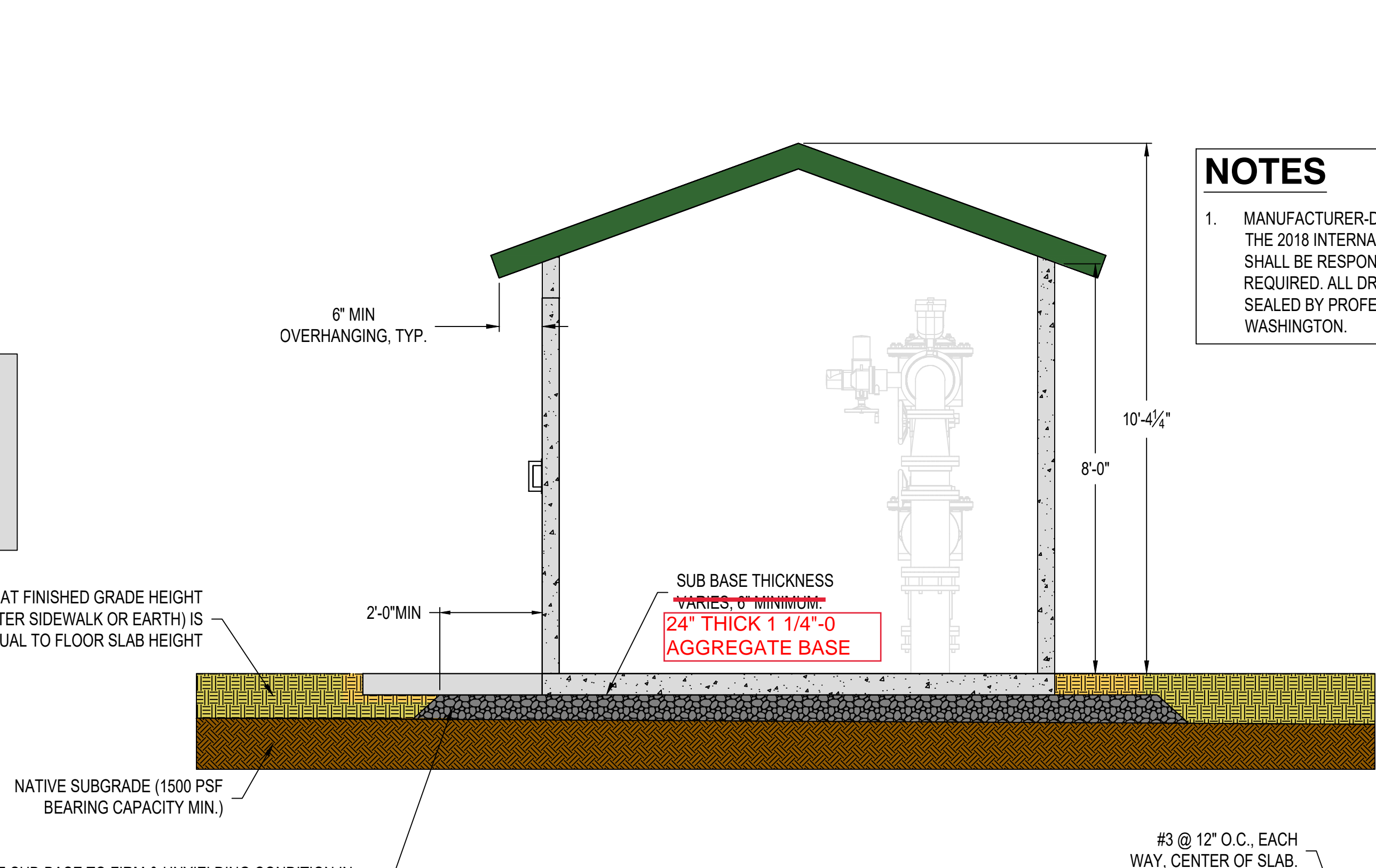
R/O	667073	SHEET	8	OF	9
DESIGNED	BCL	CHECKED	See Bar Scale	DATE	5-31-2022
DRAWN	BRC	SCALE	See Bar Scale		

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**PLAN VIEW**  
1/2" = 1'-0"

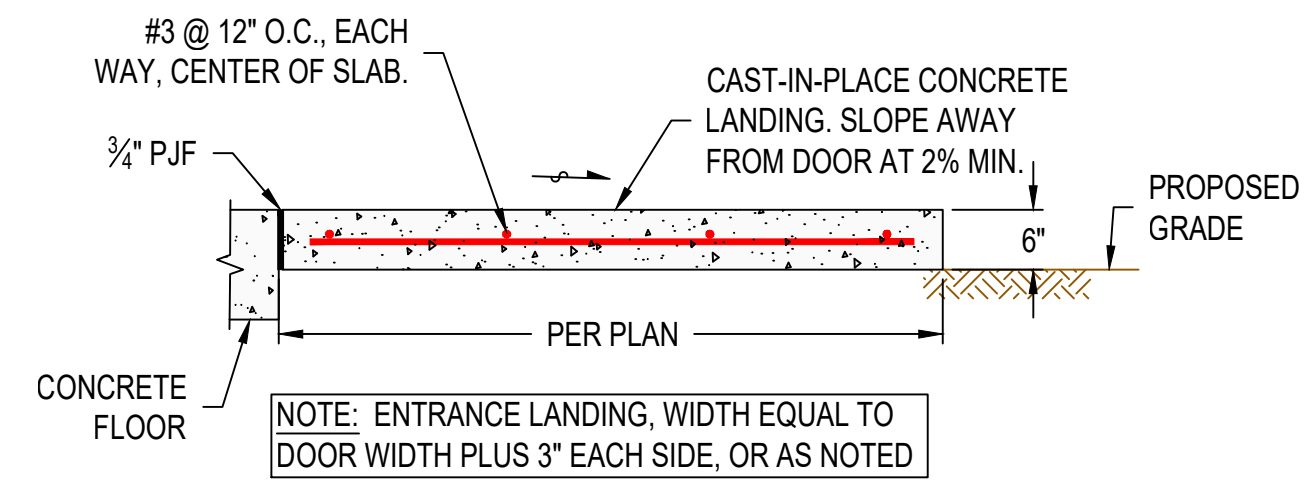


**SECTION**  
1/2" = 1'-0"

**NOTES**

1. MANUFACTURER-DESIGNED PRECAST BUILDING TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC). MANUFACTURER SHALL BE RESPONSIBLE FOR ALL ENGINEERING & PERMITTING REQUIRED. ALL DRAWINGS & CALCULATIONS SHALL BE SIGNED & SEALED BY PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.

PRIOR TO PLACEMENT OF BUILDING PREPARE SUB-BASE TO FIRM & UNYIELDING CONDITION IN ACCORDANCE W/ PRECAST BUILDING MANUFACTURER'S STRUCTURAL DESIGN REQUIREMENTS. SUB-BASE SHALL BE A MINIMUM OF 6" THICK AND CONSIST OF 3/4" MINUS CRUSHED ROCK (ROAD BASE MATERIAL) COMPACTED TO 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557. FINISHED SURFACE OF SUB-BASE SHALL BE FLAT AND LEVEL, WITH A MAXIMUM DEVIATION OF -1/2", +0" FROM A TRUE HORIZONTAL PLANE. REFER TO MANUFACTURER'S BUILDING HANDLING SHEET FOR SUB-BASE REQUIREMENTS DURING BUILDING PLACEMENT.

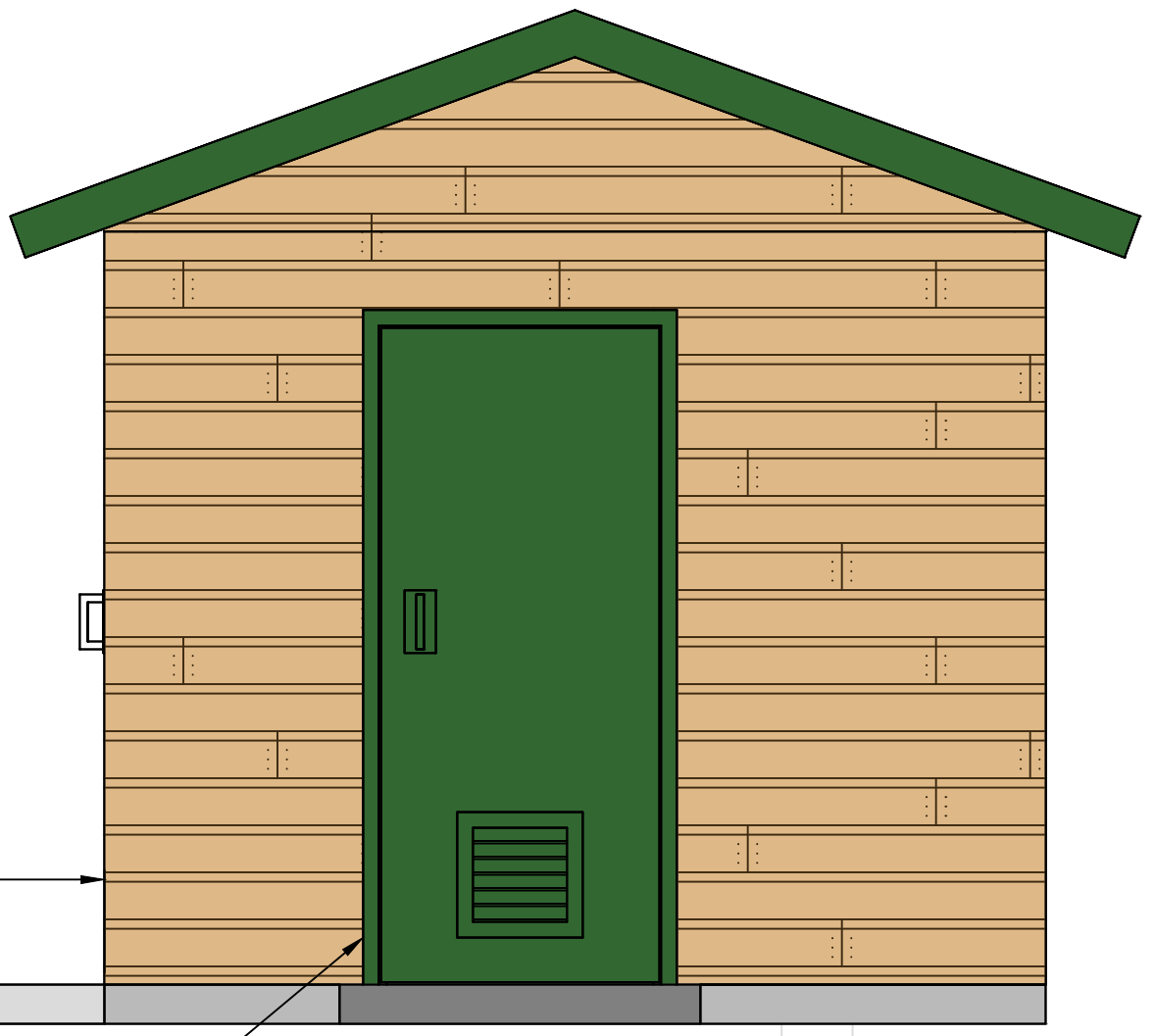


**TYPICAL ENTRANCE LANDING DETAIL**  
NOT TO SCALE

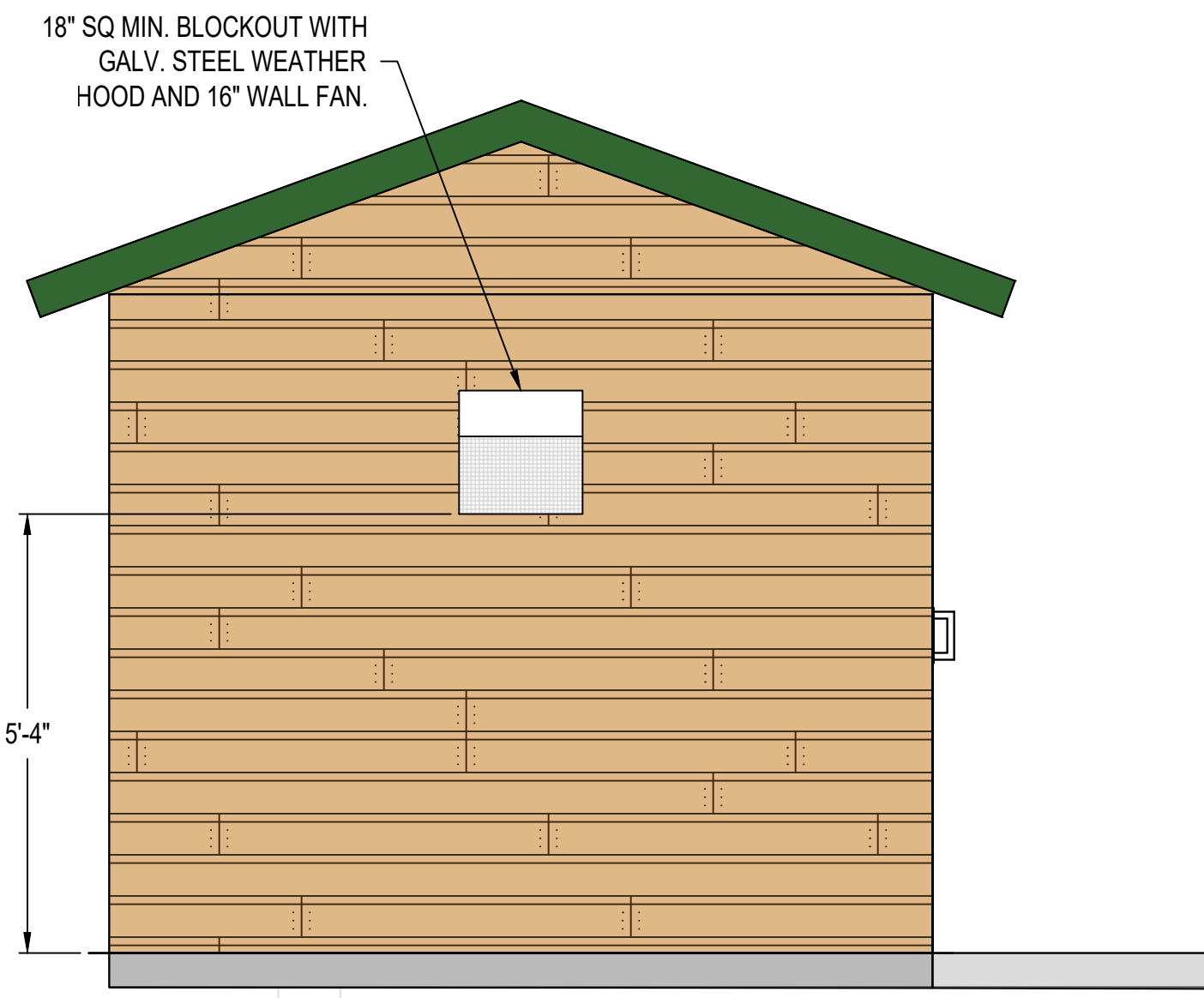
CONCRETE ENTRANCE LANDING PROVIDED BY INSTALLING CONTRACTOR, TYP.



**FRONT ELEVATION**  
1/2" = 1'-0"



**SIDE ELEVATION**  
1/2" = 1'-0"



**SIDE ELEVATION**  
1/2" = 1'-0"

CLARK PUBLIC UTILITIES  
LACENTER FLOW CONTROL STATION

FLOOR PLAN

NO.	DATE	DESCRIPTION	BY	REVIEW

ENGINEER: PGL	DATE: Feb 4, 2022	CLIENT: CPU	JOB NO.: 21-0088
REVIEWED: KMP	DATE: Feb 4, 2022	FILENAME: CPU/FLST-D-A01.DWG	

SCALE: SHOWN  
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"  
DWG NO.: A01 SHEET NO.: 6 OF 28