



Site Plan Review Committee
Michael Thomas, City Manager

**COMMUNITY DEVELOPMENT
DEPARTMENT**
360-330-7662

Emil Pierson, CD Director
epierson@cityofcentralia.com

Mike Watilo, Building Official
mwatilo@cityofcentralia.com

PUBLIC WORKS DEPARTMENT
360-330-7512

Kim Ashmore, PW Director
kashmore@cityofcentralia.com

Patty Page, City Engineer
ppage@cityofcentralia.com

CENTRALIA CITY LIGHT
360-330-7512
ML Norton, CCL General Manager
mlnorton@cityofcentralia.com

POLICE DEPARTMENT
360-330-7680
Andy Caldwell, Chief
acaldwell@cityofcentralia.com

RIVERSIDE FIRE AUTHORITY
360-736-3975
Kevin Anderson, Chief
kanderson@riversidefire.net

LEGAL DEPARTMENT
360-330-7675
Kyle Manley, City Attorney
kmanley@cityofcentralia.com

SITE PLAN REVIEW COMMITTEE Meeting Agenda

Monday, March 17, 2025

Join Zoom meeting:

<https://us02web.zoom.us/j/89118869218?pwd=11a9b4quXhUyVEqEEoUwe9dV7gehqr.1>

Join by mobile: #1-253-215-8782

Meeting ID: 891 1886 9218 Passcode: 926458

All applicants should join the meeting at 10 AM as time frames are estimations only and subject to change. The public is invited to participate.

9:00 AM

STAFF REVIEW TIME

1. Weekly Permit List (pg. 1)
2. Deviation Request (pgs. 2-6)

10:00 AM – Site Plan Review (pgs. 7-19)

Project Name:	Anderland Short Plat
Applicant/Owner:	Nick Taylor PE / Marv Anderson
Property Address:	0 Russell Road
Contact Phone:	Nick Taylor, 360.890.8955
Email:	ntaylor@irisgroupconsulting.com
Zone:	R:4, Low Density Residential
Comp. Plan:	LDR, Low Density Residential
Parcel Information:	021905-002-002, 1.88 acres
Request:	Final civil plan approval associated with a 6-lot short plat.

Permit Report

Permit #	Permit Date	Building/L and Use	Permit Type	Construction Site Address	Description of work being done under this permit	Applicant Name
20250140	3/5/2025	Building Permit	Change of Occupancy Inspection	313 S Berry Street	Convert recreation room to ADU	Jennifer Kent
20250142	3/5/2025	Building Permit	Deck	505 E Plum St	Addition of self-supporting deck; replaced furnace, install cook range vent	Jessica Stirling
20250143	3/5/2025	Building Permit	Mechanical	701 S Silver St	Installing 12k BTU single zone ductless heat pump 12k fan coil in living room	Sarita David
20250148	3/7/2025	Building Permit	Sign	1006 Kresky Ave Centralia WA	Re-install sign in existing location, new posts, lowering sign to new height	Seth Taylor
20250149	3/7/2025	Building Permit	Single Family Residence - New	1435 Salzer Crk Drive/Lot 64	LOT 64 New SFR 3 bed 2 bath stock plan 1797	Amber Cronister
20250150	3/7/2025	Building Permit	Single Family Residence - New	1426 Salzer Crk Dr	LOT 63 New SFR 3 BED 2.5 BATH STOCK PLAN 1959	Amber Cronister
20250152	3/10/2025	Building Permit	Single Family Residence - New	1407 Salzer Crk Dr / Lot 62	Lot 62 New 2-story SFR stock plan 1535 A Right	Amber Cronister
20250153	3/10/2025	Building Permit	Single Family Residence - New	1397 Salzer Creek Drive/Lot 61	Lot 61 New SFR plan 2378 C Left	Amber Cronister
20250154	3/10/2025	Building Permit	Single Family Residence - New	1387 Salzer Creek Drive /Lot 60	Lot 60 New SFR Stock plan 1797 B Right	Amber Cronister
20250155	3/10/2025	Building Permit	Single Family Residence - New	1432 Salzer Creek Drive/Lot 76	Lot 76 New SFR stock plan 1535 A Right	Amber Cronister
20250156	3/11/2025	Building Permit	Mechanical	2018 Ahlers Avenue	Gas Furnace replacement & Air Conditioner to Heat Pump	Katelynn Pettit
20250159	3/11/2025	Building Permit	Single Family Residence - New	1414 Salzer Creek Drive/Lot 75	Lot 75 New SFR Stock Plan 2621 elevation C Left	Amber Cronister
20250161	3/12/2025	Building Permit	Mechanical	1515 Belmont Ave	Install Mistubishi Heat Pump System	Chehalis Sheet Metal
20250162	3/12/2025	Building Permit	Mechanical	1324 Johnson Rd	Install single head ductless heat pump	Rosy Garcia
20250164	3/12/2025	Building Permit	Sign	1309 Lum Road	Replace Existing wall sign, with new Wall sign for T-Mobile	Renee Owens
20250165	3/13/2025	Building Permit	Accessory Building	617 State Street	Enclose porch, add carport	Adriana Tanedo White
20250166	3/13/2025	Building Permit	Single Family - Addition	2214 Eureka Avenue	24'x48' lean too attached to existing shop	Todd McCann
20250169	3/13/2025	Building Permit	Single Family - Remodel	1405 Central Blvd	rebuild 6'x20'6" covered porch w/ timber beams	Michael Brown
20250167	3/13/2025	Building Permit	Temporary Use Permit	1049 Eckerson Road	Installation of temporary office trailer to support phased construction	Jeff Farrell

IRISGROUP

civil engineers

299 N Market Blvd
Chehalis, WA 98532

3/13/2025

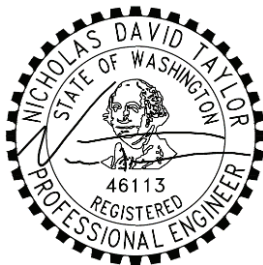
Re: **Pavement Section Deviation Request**
Civil Plans for UGA-SP-24-0559

CMC 14.24.010(B) states "The city engineer may revise or replace a standard specification or approve deviations from the standard specifications based upon the specific circumstances of a particular project. Any revisions, replacements, or deviations shall be based upon the sound engineering judgment of the city engineer and shall be incorporated into the construction contract for the project or otherwise approved in writing by the city engineer." City of Centralia Detail 4-12 provides a standard pavement section of 3" HMA, 2" CSTC, and 8" CSBC, without any assumption of the Soil Resilient Modulus used in design of the pavement section, which appears to indicate that the standard pavement section is meant as a "one-size fits all" section, and that it could likely be more than necessary for certain in-situ soil conditions.

The project geotechnical report, prepared by Pacific Testing and Inspection, Inc, dated 9/30/2024, indicates that a pavement section of 2.5" HMA, 2" CSTC, and 4" CSBC will provide a pavement life of 20 years with 2% trucks, a truck factor of 1.7, a Soil Resilient Modulus of 20,580 psf, and 800 ADT.

Based on the findings of the subject geotechnical report, which is included as an attachment to this request, it is my opinion that substituting the proposed pavement section for the standard pavement section represents "sound engineering judgement". It is also my opinion that approval of this request would be based on "specific circumstances of a particular project".

As I believe that approval of this request would be in conformance with CMC 14.24.010(B), I respectfully request approval of this deviation request to use pavement section of 2.5" HMA, 2" CSTC, and 4" CSBC as the private road pavement section for the above-referenced project.



3/13/2025

Nick Taylor PE
Iris Group Civil Engineers
(360) 890-8955

Geotechnical Report

Multi-Unit Short Plat

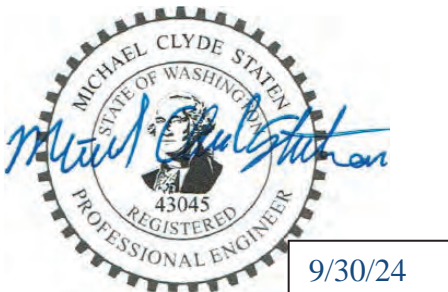
2999 Harrison Avenue
Parcel 023747012000
Centralia, Washington 98531

Prepared For:

Russell Road Developers, LLC
PO Box 281
Galvin, Washington 98544

Prepared By:

Pacific Testing & Inspection Inc.
3215 Harrison Avenue, Centralia, WA 98531
Phone (360) 736-3922 Fax (360) 807-6002
www.ptiinc.net



September 30, 2024

PTI Project # 240054

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Appendix A – Test Pit Location Plan

Appendix B – Test Pit Logs

Appendix C – Laboratory Testing Results

Appendix D - Nomograph

1.0 INTRODUCTION

Pacific Testing & Inspection, Inc. (PTI) has completed a geotechnical investigation for a short plat that will include the development of multiple single family dwelling units. The project is to be located at 2999 Harrison Avenue in Centralia, Washington. See the vicinity map on the following page for a general depiction of the site location.

An initial geotechnical evaluation of the project was conducted by PTI on September 3, 2024. During this site visit, surface and subsurface conditions were assessed. After completion of the field work, laboratory work, and applicable project research, PTI prepared this geotechnical report. At a minimum, this report conforms to the requirements outlined in the International Building Code (IBC) Sections 1603.1.6 and 1803.6.

As presented herein, this report includes information pertaining to the project in this Introduction Section; observations of the property and surrounding terrain in the Surface Conditions Section; field methods and soil descriptions in the Subsurface Investigation Section; and, supporting documentation with relation to the aforesaid IBC sections and project requirements in the Engineering Conclusions and Recommendations Section.

1.1 Project Information

Information pertaining to the planned development of the project was provided by the proponent of the property. The property is currently developed with a single-family residence and multiple detached out buildings. The planned development consists of multiple new buildings, each serving multiple residences, paved ingress/ egress/ parking, drainage facilities, and other ancillary features.

Approximate existing site conditions and test pit locations are illustrated on the Test Pit Location Plan provided in Appendix A of this report.

1.2 Purpose of Investigation and Scope of Work

The purpose of this geotechnical investigation is to minimally address the reporting requirements outlined in the IBC, and further evaluate the project as necessary with respect to geotechnical constraints in order to provide recommendations that should be implemented during development.

In order to fulfill the purpose of investigation, the geotechnical program completed for the proposed improvements of the project include:

- Review project information provided by the proponent of the project;
- Conduct a site visit to document the site conditions that may influence the construction and performance of the proposed improvements of the project;
- Define general subsurface conditions of the site by observing subsoils within test pits, review geological and other soil mapping for the general area, research published references concerning earthquake/ slope/ erosion hazards, and review any other pertinent documents near the project;
- Collect bulk samples as necessary, at various depths and locations;
- Perform laboratory testing to determine selected index and/or engineering properties of

- the site soils;
- Complete an engineering analysis supported by the planned site alterations, and the surface and subsurface conditions that were identified by the field investigation, soil testing, and applicable project research; and,
 - Establish conclusions based on findings, and make recommendations for foundations, drainage, pavements, earthwork construction requirements, and other considerations as outlined in this report.

FILE NAME:Z:\P\MA301\CAD\Sheets\MA301 Civil Improvement Plans v3.dwg DATE/TIME:3/6/2025 12:44:08 PM

PROJECT SPECIFICATIONS

THE WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE 2024 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION (WSDOT) (HEREAFTER "STANDARD SPECIFICATIONS")

ALSO INCORPORATED INTO THESE CONTRACT DOCUMENTS BY REFERENCE ARE:

- A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)
- B. CITY/COUNTY ROW STANDARDS
- C. CITY/COUNTY DRAINAGE STANDARDS
- D. THE INTERNATIONAL BUILDING CODE (IBC)
- E. THE INTERNATIONAL PLUMBING CODE (IPC)
- F. THE INTERNATIONAL FIRE CODE (IFC)
- G. DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON
- H. CITY OF CENTRALIA MUNICIPAL CODE

CURRENT EDITIONS OF THESE STANDARDS SHALL BE USED WHICH EXIST ON THE DATE OF CONTRACT ACCEPTANCE.

CONTRACTOR SHALL OBTAIN COPIES OF THESE PUBLICATIONS AT CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRANSPORTATION, SUPPLIES, AND INCIDENTALS REQUIRED TO COMPLETE ALL WORK SHOWN ON THESE DRAWINGS AND TO OBTAIN ACCEPTANCE BY THE COUNTY AND THE PROJECT OWNER.

THE INTENT OF THESE DRAWINGS IS TO PRESCRIBE A COMPLETE WORK. OMISSIONS FROM THE DRAWINGS OF DETAILS OF WORK WHICH ARE NECESSARY TO CARRY OUT THE INTENT OF THE DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM PERFORMING THE OMITTED WORK.

ANY PROPOSED ALTERATIONS BY THE CONTRACTOR AFFECTING THE REQUIREMENTS AND INFORMATION IN THESE DRAWINGS SHALL BE IN WRITING AND WILL REQUIRE APPROVAL OF THE ENGINEER AND INSPECTOR.

WORK IN RIGHT OF WAY

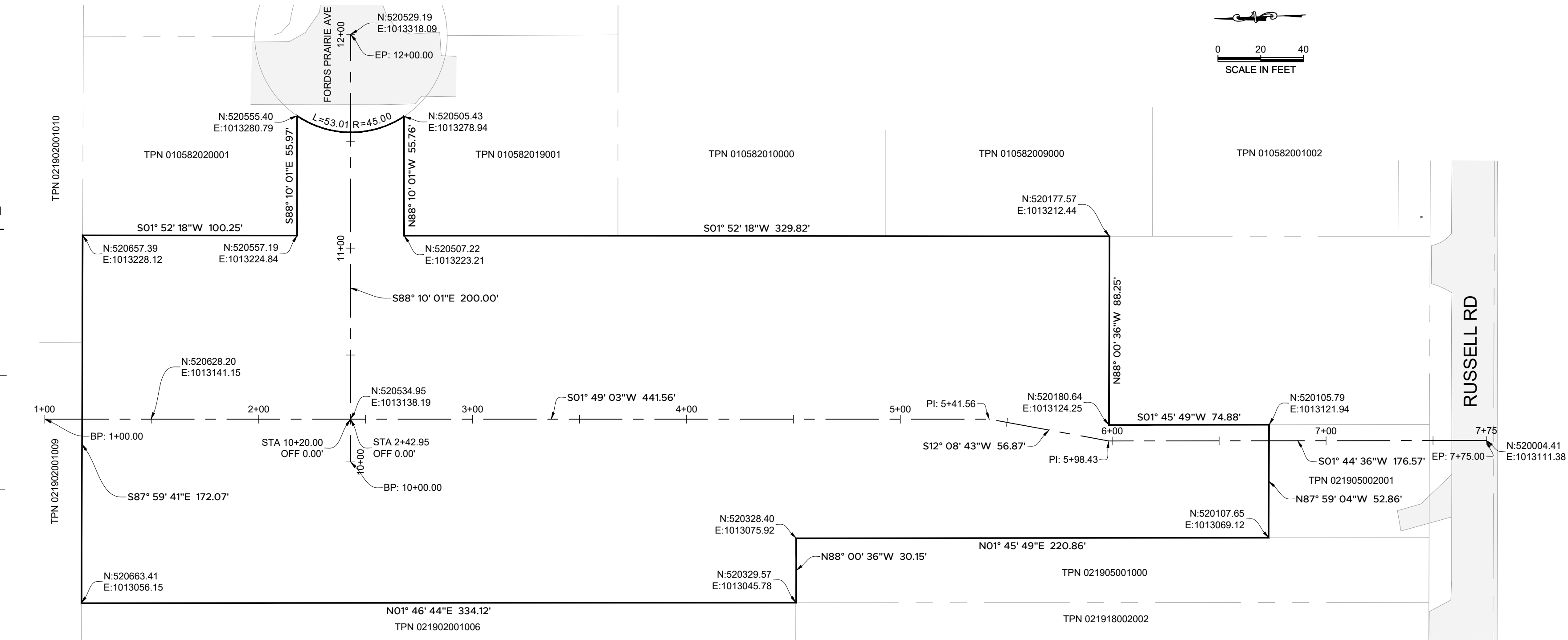
CONTRACTOR SHALL OBTAIN A RIGHT OF WAY PERMIT PRIOR TO COMMENCING ANY WORK LOCATED IN THE RIGHT OF WAY. ALL WORK PERFORMED IN THE RIGHT OF WAY SHALL ADHERE TO DRAWINGS, STANDARD SPECIFICATIONS, AND REQUIREMENTS OUTLINED IN THE RIGHT OF WAY PERMIT.

RECORD DRAWINGS

THE IRIS GROUP IS REQUIRED BY THE CITY TO PROVIDE RECORD DRAWING CERTIFICATION PRIOR TO FINAL CITY ACCEPTANCE. THE IRIS GROUP WILL NOT CERTIFY RECORD DRAWINGS WITHOUT INSPECTION OF BELOW GRADE UTILITIES AND STRUCTURES. PRIOR TO BACKFILLING, CONTRACTOR SHALL NOTIFY THE IRIS GROUP OF NECESSARY INSPECTIONS. CONTRACTOR SHALL MAINTAIN A PLAN SET ONSITE (ASBUILT PLAN SET) AND SHALL INDICATE IN RED INK ON THE ASBUILT PLAN SET ANY DEVIATIONS FROM THE CONTRACT PLANS. CONTRACTOR SHALL PROVIDE ASBUILT PLANS TO THE IRIS GROUP PRIOR TO FINAL INSPECTION BY THE IRIS GROUP.

CONSTRUCTION NOTES

1. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR BEING FAMILIAR WITH THE PROVISIONS AND REQUIREMENTS CONTAINED IN JURISDICTIONAL STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL HAVE A COPY AVAILABLE AT THE JOB SITE AT ALL TIMES.
2. THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING DEPARTMENT AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
3. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC OR PRIVATE UTILITY COMPANIES 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO EXISTING UTILITY LINES UNLESS AN ENCROACHMENT PERMIT SPECIFIES OTHERWISE.
4. THE CONTRACTOR SHALL PROVIDE EMERGENCY TELEPHONE NUMBERS TO THE POLICE, FIRE, AND PUBLIC WORKS DEPARTMENTS AND KEEP THEM INFORMED DAILY REGARDING STREETS UNDER CONSTRUCTION AND DETOURS. TEMPORARY TRAFFIC CONTROL AND ROAD DETOURS MUST BE APPROVED BY THE CITY ENGINEER.
5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT BARRICADES TO PROVIDE FOR THE SAFETY OF THE GENERAL PUBLIC TO THE SATISFACTION OF THE CITY ENGINEER.
6. ALL MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
7. THE CONTRACTOR SHALL CONFORM TO EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC., AND AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
8. THE CONTRACTOR SHALL COORDINATE ALL NECESSARY UTILITY RELOCATIONS, IF REQUIRED, WITH THE APPROPRIATE UTILITY COMPANIES.
9. THE CONTRACTOR SHALL CONDUCT ALL GRADING OPERATIONS IN SUCH A MANNER AS TO PRECLUDE WIND BLOWN DIRT AND DUST AND RELATED DAMAGE TO NEIGHBORING PROPERTIES. SUFFICIENT WATERING TO CONTROL DUST IS REQUIRED AT ALL TIMES. THE CONTRACTOR SHALL ASSUME ALL LIABILITY FOR CLAIMS RELATED TO WIND BLOWN MATERIAL. IF THE DUST CONTROL IS INADEQUATE AS DETERMINED BY THE CITY ENGINEER OR HIS DESIGNATED REPRESENTATIVE, THE CONSTRUCTION WORK SHALL BE TERMINATED UNTIL SUCH CORRECTIVE MEASURES ARE TAKEN.
10. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AGENCIES AND DEPARTMENTS FOR ALL REQUIRED INSPECTIONS PRIOR TO PLACING ANY UTILITIES INTO SERVICE.
11. SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY OF CENTRALIA DEVELOPMENT GUIDELINES AND PUBLIC WORKS STANDARDS, AS WELL AS THE WSDOT STANDARD SPECIFICATIONS, WHICH ARE HERE BY REFERENCED AS PART OF THESE PLANS.
12. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THIS PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY.

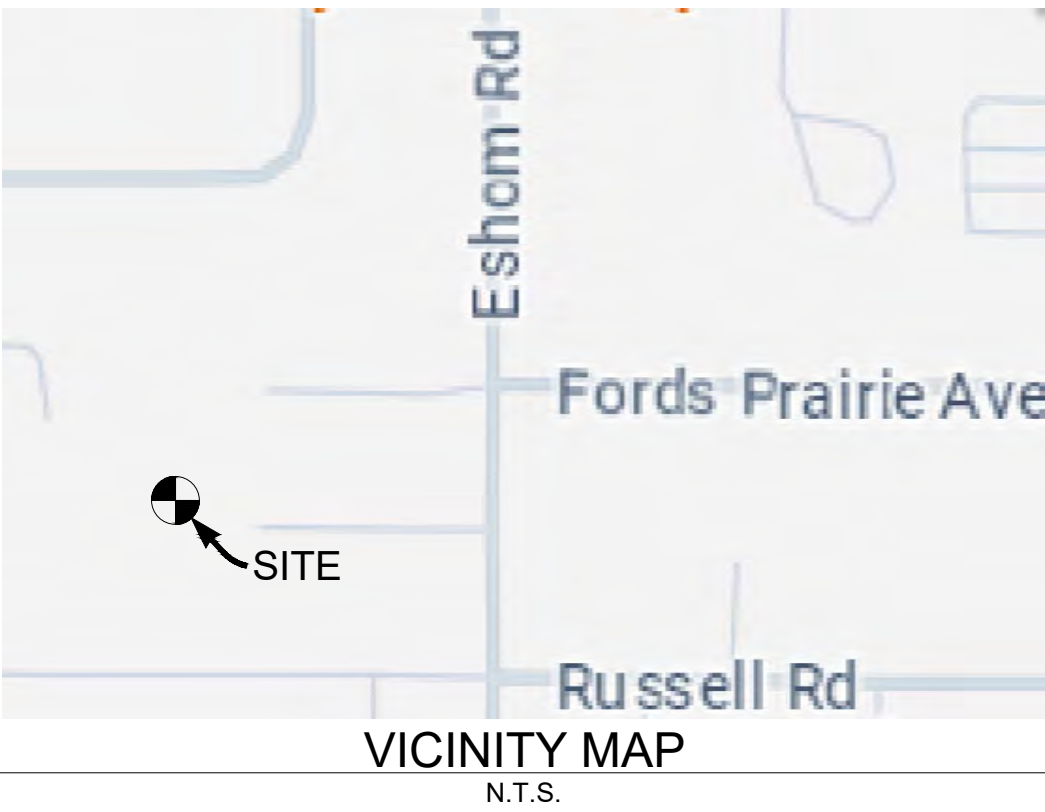


ABBREVIATIONS

ACC	ASPHALTIC CEMENT CONCRETE	L	LEFT
APPROX	APPROXIMATE(LY)	LF	LINEAR FEET
ARCH	ARCHITECT(URAL)	MAX	MAXIMUM
BLDG	BUILDING	ME	MATCH EXISTING ELEVATION
BVC	BEGINNING OF VERTICAL CURVE	MH	MANHOLE
CB	CATCH BASIN	MJ	MECHANICAL JOINT
CF	CUBIC FEET (FOOT)	MIN	MINIMUM
CL	CLASS	N	NORTHING
CO	CLEANOUT	OFF	OFFSET
CY	CUBIC YARD	PCC	PORTLAND CEMENT CONCRETE
DI	DUCTILE IRON	PT	POINT OF TANGENCY
E	EASTING	PVC	POLYVINYL CHLORIDE
ELEV	ELEVATION	PVI	POINT OF VERTICAL INFLECTION
EOP	EDGE OF PAVEMENT	R	RIGHT
EVC	END OF VERTICAL CURVE	ROW	RIGHT OF WAY
FFE	FINISH FLOOR ELEVATION	STA	STATION
FG	FINISHED GRADE	SS	SANITARY SEWER
FL	FLANGED (PIPING)	SD	STORM DRAIN
FL	FLOWLINE (GRADING)	TC	TOP OF CURB
FT (')	FOOT (FEET)	TEMP	TEMPORARY
HDPE	HIGH DENSITY POLYETHYLENE	TPN	TAX PARCEL NUMBER
HMA	HOT MIX ASPHALT	TYP	TYPICAL
ID	INSIDE DIAMETER	VC	VERTICAL CURVE
IE	INVERT ELEVATION		

EXISTING	LEGEND	PROPOSED
	FEATURE*	
	BUILDING	
	CENTERLINE	
	SAWCUT	
	PAVEMENT	
	CONCRETE	
	GRAVEL	
	WOOD	
	ROOF OUTLINE	
	CONTOUR MAJOR	
	CONTOUR MINOR	
	SUBJECT PROPERTY	
	ADJACENT PROPERTY	
	FENCE	
	LIMITS OF DISTURBANCE	
	SWALE/DITCH	
	EASEMENT	
	SILT FENCE	
	STORM DRAIN	
	ROOF DRAIN	
	FOOTING DRAIN	
	GAS-LINE	
	OVERHEAD POWER	
	UNDERGROUND POWER	
	SEWER PIPE	
	OVERHEAD TELE	
	UNDERGROUND TELE	
	WATER PIPE	
	SS MANHOLE	
	TYPE 1 CB	
	SS CO	
	CAP	
	POWER PEDESTAL	
	TRANSFORMER	
	HYDRANT	
	THRUST BLOCKING	
	SD CO	
	POWER METER	

* HATCH AND LINETYPE SCALES MAY NOT MATCH PLANS. SEE SHEET C2 FOR EXISTING FEATURES.



PROJECT DATA

PRE-PLAT PARCEL: 021905002002
APPLICANT: MARV ANDERSON
SITE ADDRESS: 0 RUSSELL RD
CENTRALIA, WA 98531
SITE AREA: 1.88 AC
GRADING QUANTITIES: CUT: 289 CY
FILL: 264 CY

GEOTECHNICAL INFORMATION

THE GEOTECHNICAL REPORT BY MUD BAY GEOTECHNICAL, DATED 9/12/2024, SHALL BE ADHERED TO, AND IF ADDITIONAL GEOTECHNICAL DATA AND GUIDANCE IS REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS IT IS THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO OBTAIN SUCH INFORMATION PRIOR TO CONSTRUCTION. THE IRIS GROUP ASSUMES NO RESPONSIBILITY FOR THE MEANS AND METHODS OF ANY EARTHWORK OR FOUNDATION PREPARATION/CONSTRUCTION. THE IRIS GROUP RECOMMENDS THAT ALL SOIL-RELATED CONSTRUCTION, INCLUDING PLACEMENT AND COMPACTION, IS OBSERVED, TESTED, AND DOCUMENTED BY A THIRD PARTY TESTING AGENCY, AND THAT ALL TEST RESULTS ARE REVIEWED AND APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER PRIOR TO FURTHER CONSTRUCTION.

BASIS OF BEARING

HOLDING SURVEY CONTROL BEARINGS PER STATE PLANE COORDINATES NAD83.

BASIS OF ELEVATION

NAVD 88

TOPOGRAPHIC DATA

DESIGN FOR THIS PROJECT IS BASED ON THE BOUNDARY AND TOPOGRAPHY SURVEY PREPARED BY FORESIGHT SURVEYING, DATED 10/18/2024.

ALL EXISTING FEATURES AND TOPOGRAPHY SHOWN SHALL BE VERIFIED PRIOR TO BEGINNING CONSTRUCTION. ANY AND ALL DISCREPANCIES FOUND BETWEEN ACTUAL EXISTING CONDITIONS AND THE EXISTING CONDITIONS SHOWN HERE SHALL BE IDENTIFIED TO THE PROJECT ENGINEER PRIOR TO CONTINUANCE OF ANY WORK.

NOTE

SEE DETAIL SHEETS FOR ADDITIONAL NOTES.

SHEET INDEX

PAGE #	SHEET #	SHEET TITLE
1	C1	COVER
2	C2	EXISTING CONDITIONS 1 (SURVEY)
3	C3	EXISTING CONDITIONS 2 (SURVEY)
4	C4	DEMOLITION AND TESC
5	C5	SITE AND HORIZONTAL CONTROL
6	C6	DRAINAGE
7	C7	GRADING
8	C8	UTILITY
9	C9	DETAILS 1
10	C10	DETAILS 2
11	C10	DETAILS 3
12	C12	DETAILS 4
13	C13	DETAILS 5

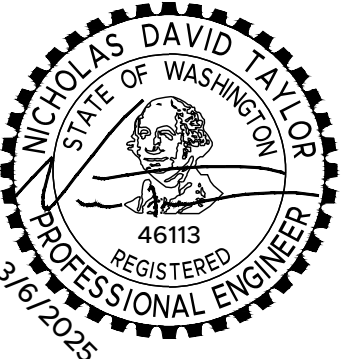
IRISGROUP
civil engineers

ANDERLAND
SUBDIVISION
SEC 01, T2N 14N, R3G 03W, WM
LEWIS COUNTY TPN 021918002002
0 RUSSELL RD
CENTRALIA, WA 98531

COVER

PROJ. NO:	MA301
REVIEWED BY:	NDT
DESIGNED BY:	NDT
DRAWN BY:	RCB
DATE:	03-06-2025

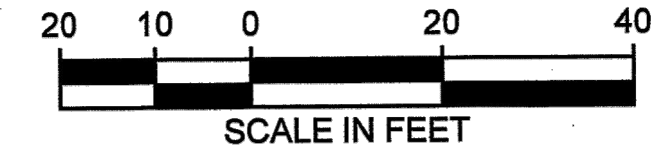
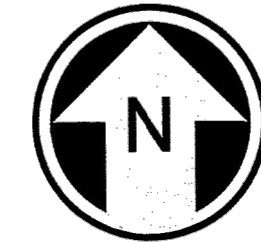
Know what's BELOW
Call 811 before you dig.



C1
1 of 13

APPROVED FOR CONSTRUCTION	
CITY ENGINEER	DATE
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE	

CITY OF CENTRALIA TOPOGRAPHIC SURVEY
PORTION OF THE NW 1/4 NE 1/4 SEC 01, T 14 N, R 3 W, W.M.
CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON



BASIS OF BEARING
HOLDING SURVEY CONTROL BEARINGS PER STATE PLANE COORDINATES NAD83.

VERTICAL DATUM
NAVD 88

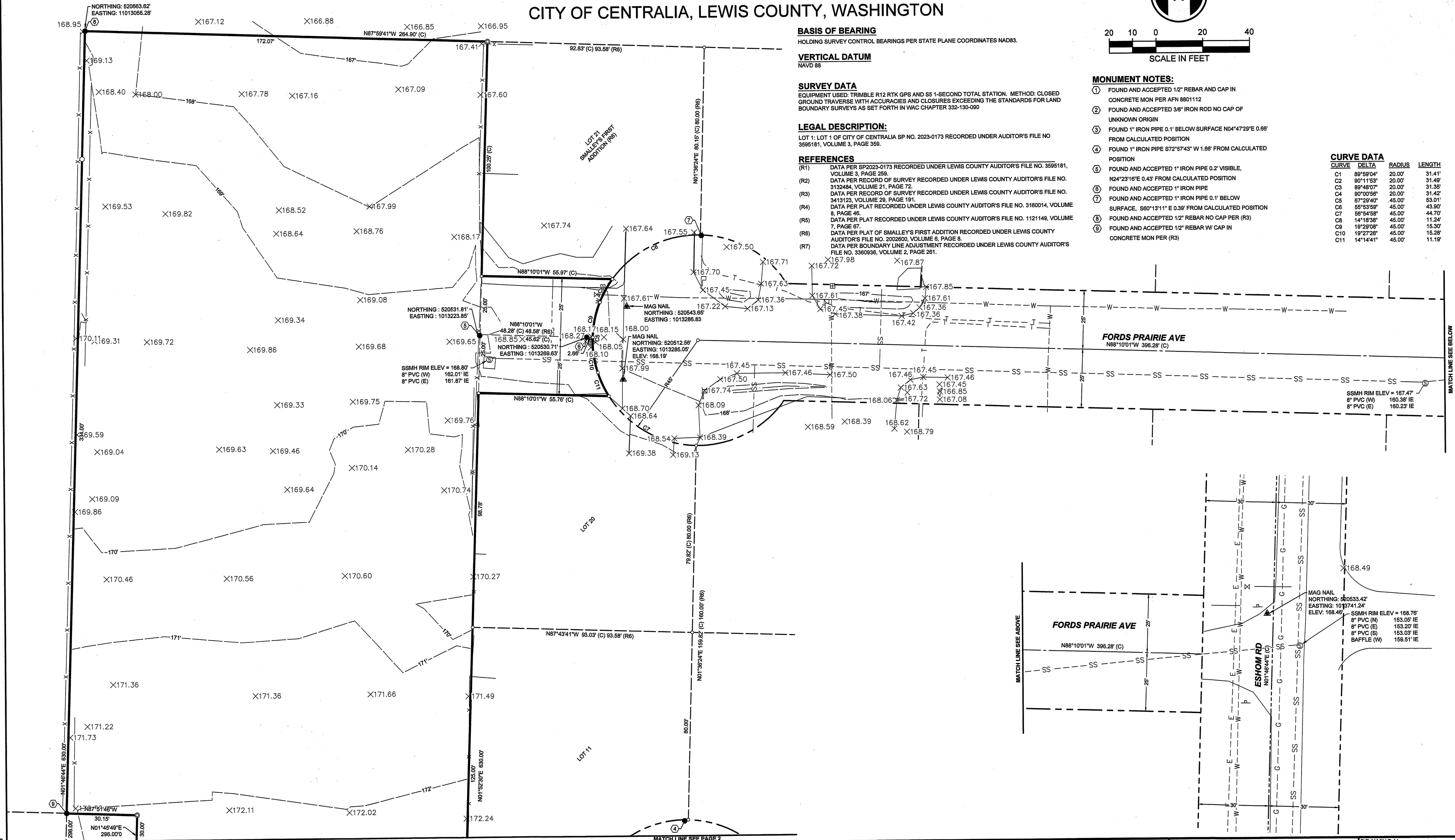
SURVEY DATA
EQUIPMENT USED: TRIMBLE R12 RTK GPS AND SS 1-SECOND TOTAL STATION. METHOD: CLOSED GROUND TRAVERSE WITH ACCURACIES AND CLOSURES EXCEEDING THE STANDARDS FOR LAND BOUNDARY SURVEYS AS SET FORTH IN WAC CHAPTER 332-130-090

LEGAL DESCRIPTION:
LOT 1: LOT 1 OF CITY OF CENTRALIA SP NO. 2023-0173 RECORDED UNDER AUDITOR'S FILE NO 3595181, VOLUME 3, PAGE 359.

REFERENCES
(R1) DATA PER SP2023-0173 RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 3595181, VOLUME 3, PAGE 259.
(R2) DATA PER RECORD OF SURVEY RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 3132484, VOLUME 21, PAGE 72.
(R3) DATA PER RECORD OF SURVEY RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 3413123, VOLUME 29, PAGE 181.
(R4) DATA PER PLAT RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 3160014, VOLUME 8, PAGE 46.
(R5) DATA PER PLAT RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 1121149, VOLUME 7, PAGE 67.
(R6) DATA PER PLAT OF SMALLLEY'S FIRST ADDITION RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 2002600, VOLUME 6, PAGE 8.
(R7) DATA PER BOUNDARY LINE ADJUSTMENT RECORDED UNDER LEWIS COUNTY AUDITOR'S FILE NO. 3380938, VOLUME 2, PAGE 261.

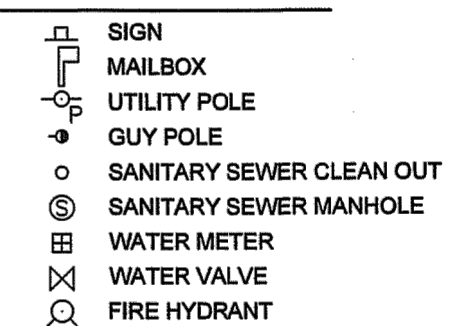
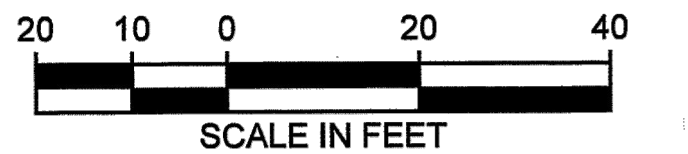
- MONUMENT NOTES:**
- ① FOUND AND ACCEPTED 1/2" REBAR AND CAP IN CONCRETE MON PER AFN 8801112
 - ② FOUND AND ACCEPTED 3/8" IRON ROD NO CAP OF UNKNOWN ORIGIN
 - ③ FOUND 1" IRON PIPE 0.1' BELOW SURFACE N04°47'29"E 0.66' FROM CALCULATED POSITION
 - ④ FOUND 1" IRON PIPE S72°57'43" W 1.66' FROM CALCULATED POSITION
 - ⑤ FOUND AND ACCEPTED 1" IRON PIPE 0.2' VISIBLE, N24°23'16"E 0.43' FROM CALCULATED POSITION
 - ⑥ FOUND AND ACCEPTED 1" IRON PIPE
 - ⑦ FOUND AND ACCEPTED 1" IRON PIPE 0.1' BELOW SURFACE, S80°13'11" E 0.39' FROM CALCULATED POSITION
 - ⑧ FOUND AND ACCEPTED 1/2" REBAR NO CAP PER (R3)
 - ⑨ FOUND AND ACCEPTED 1/2" REBAR W/ CAP IN CONCRETE MON PER (R3)

CURVE DATA			
CURVE	DELTA	RADIUS	LENGTH
C1	89°59'04"	20.00'	31.41'
C2	90°11'53"	20.00'	31.49'
C3	89°48'07"	20.00'	31.35'
C4	90°00'58"	20.00'	31.42'
C5	87°23'40"	45.00'	53.01'
C6	55°53'59"	45.00'	43.90'
C7	56°54'58"	45.00'	44.70'
C8	14°18'38"	45.00'	11.24'
C9	19°29'08"	45.00'	15.30'
C10	19°27'28"	45.00'	15.28'
C11	14°14'41"	45.00'	11.19'



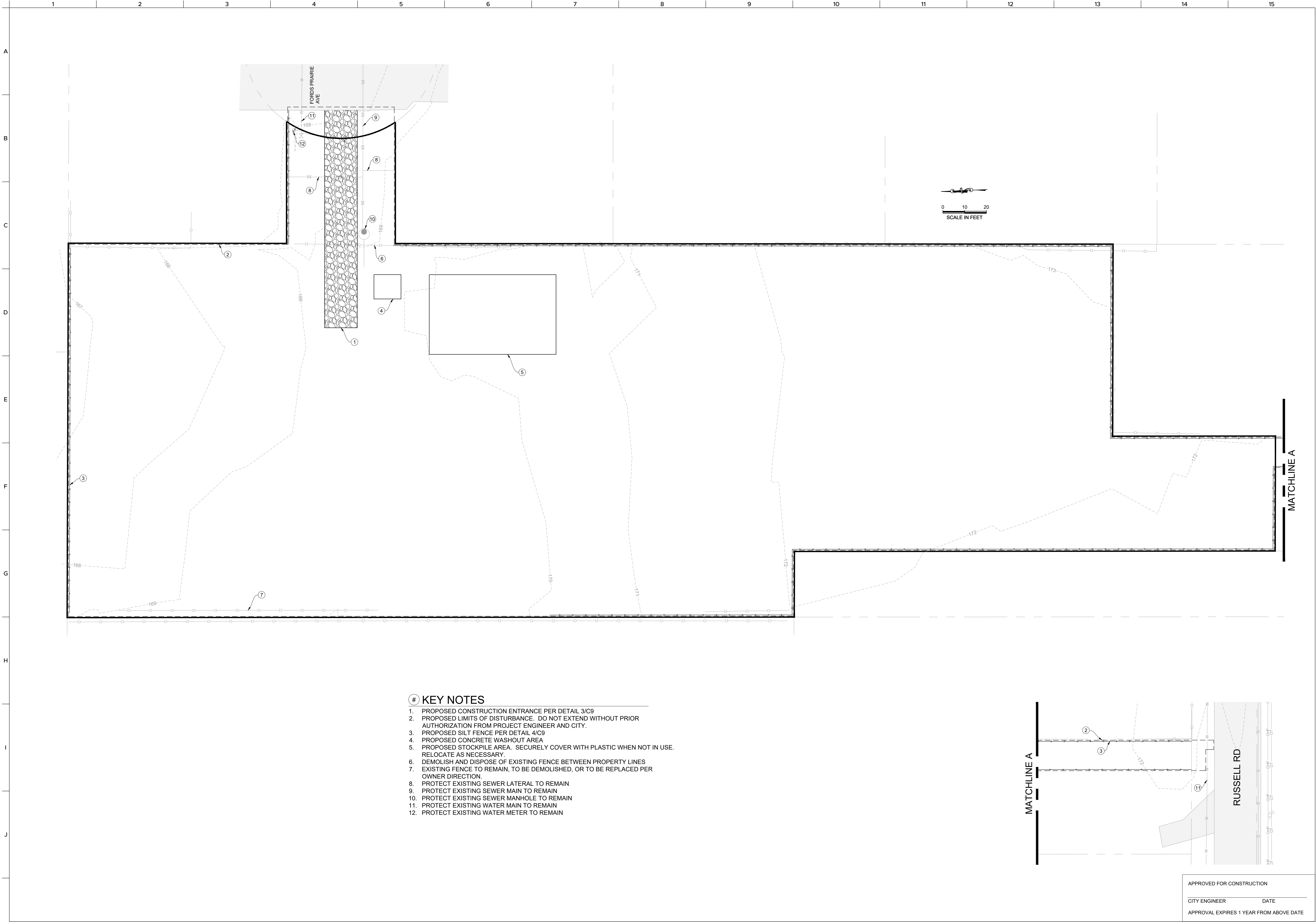
10/19/24 1:18 PM J. GOODMAN Y:14-3W-0114-3W-01-BASE.DWG					DESIGNED BY: M. WILHELM DRAWN BY: M. WILHELM CHECKED BY: J. GOODMAN APPROVED BY: J. GOODMAN									DATE: REVIEWED BY: DATE:		SCALE: 1" = 20' FILENAME: 14-3W-01-BASE CONTRACT No.: 5231 DATE: 09/09/2024		CITY OF CENTRALIA TOPOGRAPHIC SURVEY APN: 021905002002		DRAWING No.: 14-3W-01-BASE LOCATION ID: 14-3W-01-BASE SHEET No.: REV: 1 OF 2	
No.	DATE	DSN	CHK	APP	REVISION																

CITY OF CENTRALIA, LEWIS COUNTY, WASHINGTON

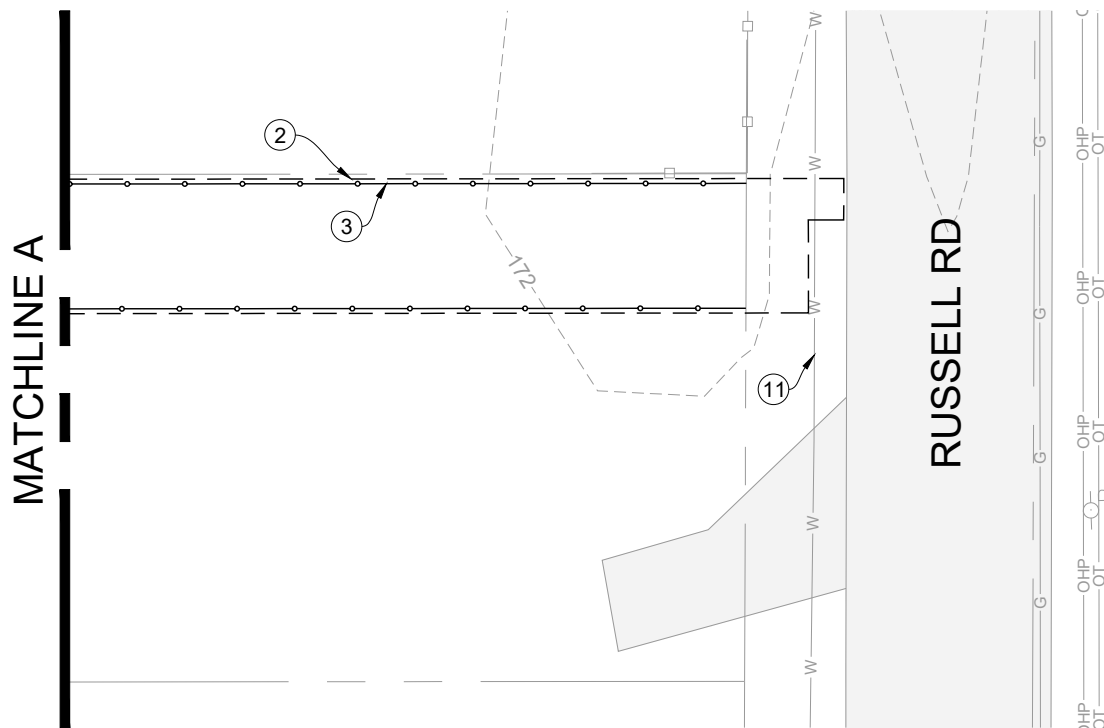


DRAWING No.:	
14-3W-01-BASE	
LOCATION ID:	
14-3W-01-BASE	
SHEET No.:	REV:
2 OF 2	

FILE NAME:Z:\P\MA301\CAD\Sheets\MA301 Civil Improvement Plans v3.dwg DATE/TIME:3/6/2025 12:44:08 PM



- # KEY NOTES
1. PROPOSED CONSTRUCTION ENTRANCE PER DETAIL 3/C9
 2. PROPOSED LIMITS OF DISTURBANCE. DO NOT EXTEND WITHOUT PRIOR AUTHORIZATION FROM PROJECT ENGINEER AND CITY.
 3. PROPOSED SILT FENCE PER DETAIL 4/C9
 4. PROPOSED CONCRETE WASHOUT AREA
 5. PROPOSED STOCKPILE AREA. SECURELY COVER WITH PLASTIC WHEN NOT IN USE. RELOCATE AS NECESSARY.
 6. DEMOLISH AND DISPOSE OF EXISTING FENCE BETWEEN PROPERTY LINES
 7. EXISTING FENCE TO REMAIN, TO BE DEMOLISHED, OR TO BE REPLACED PER OWNER DIRECTION.
 8. PROTECT EXISTING SEWER LATERAL TO REMAIN
 9. PROTECT EXISTING SEWER MAIN TO REMAIN
 10. PROTECT EXISTING SEWER MANHOLE TO REMAIN
 11. PROTECT EXISTING WATER MAIN TO REMAIN
 12. PROTECT EXISTING WATER METER TO REMAIN



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

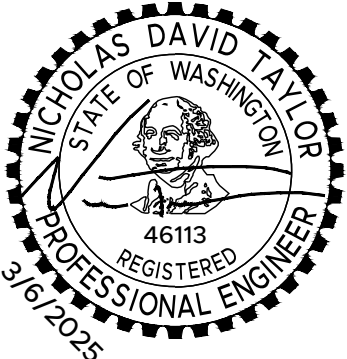
ANDERLAND
SUBDIVISION

SEC 01, T4N 14N, R4G 03W, WM
LEWIS COUNTY TPN 021918002002
0 RUSSELL RD
CENTRALIA, WA 98531

DEMO AND TESC

PROJECT NO:	MA301
REVIEWED BY:	NDT
DESIGNED BY:	NDT
DRAWN BY:	RCB
DATE:	03-06-2025

Know what's BELOW
Call 811 before you dig.



C4

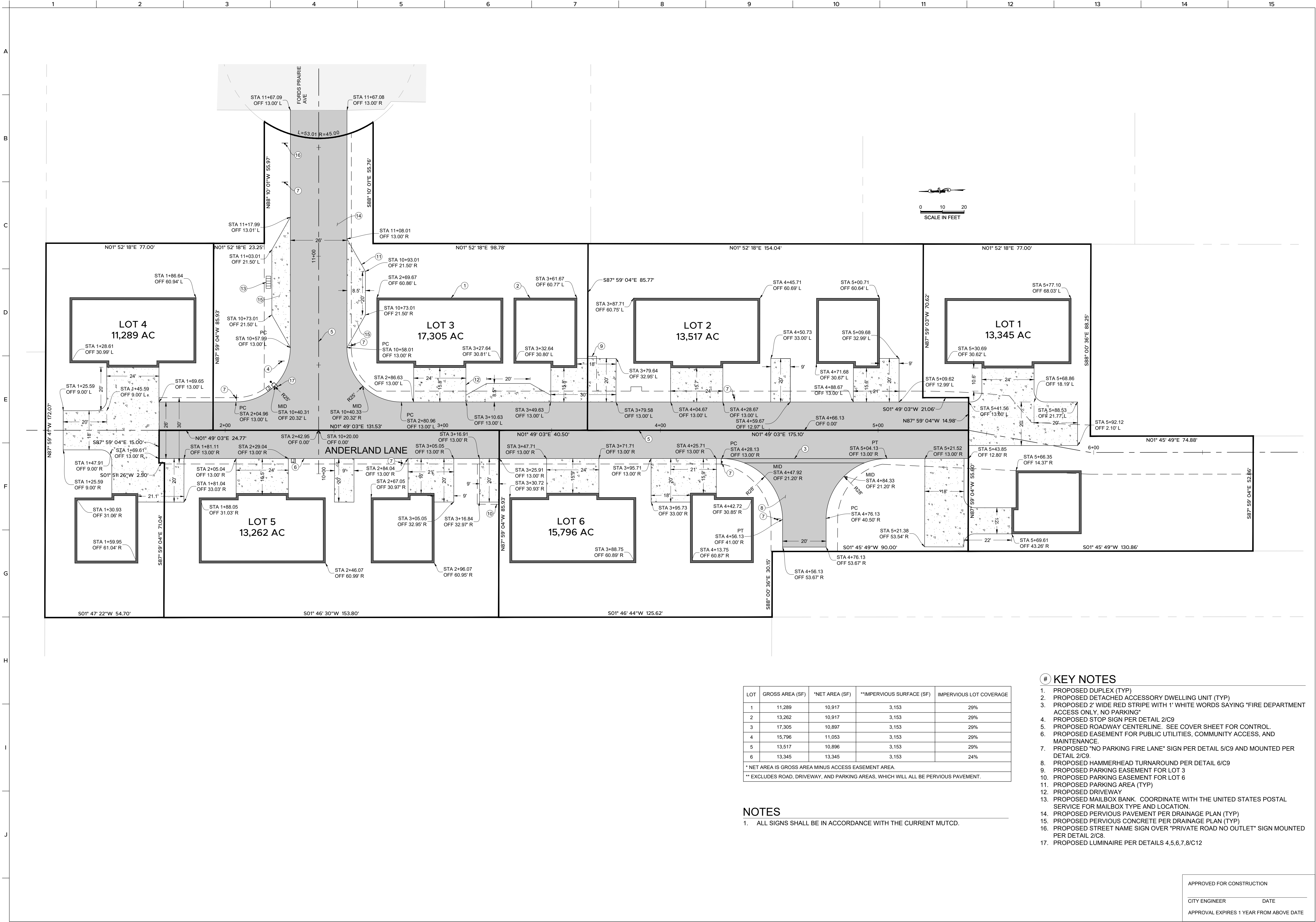
4 of 13

IRISGROUP

civil engineers

360-890-8955 | 299 N Market Blvd, Chehalis, WA 98532

FILE NAME:Z:\P\MA301\CAD\Sheets\MA301 Civil Improvement Plans v3.dwg DATE/TIME:3/6/2025 12:44:08 PM



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SUBDIVISION
SEC 01, T4N 14N, R4E 03W, WM
LEWIS COUNTY TPN 021918002002
0 RUSSELL RD
CENTRALIA, WA 98531

**SITE AND HORIZONTAL
CONTROL**

PROJECT NO:	MA301
REVIEWED BY:	NDT
DESIGNED BY:	NDT
DRAWN BY:	RCB
DATE:	03-06-2025

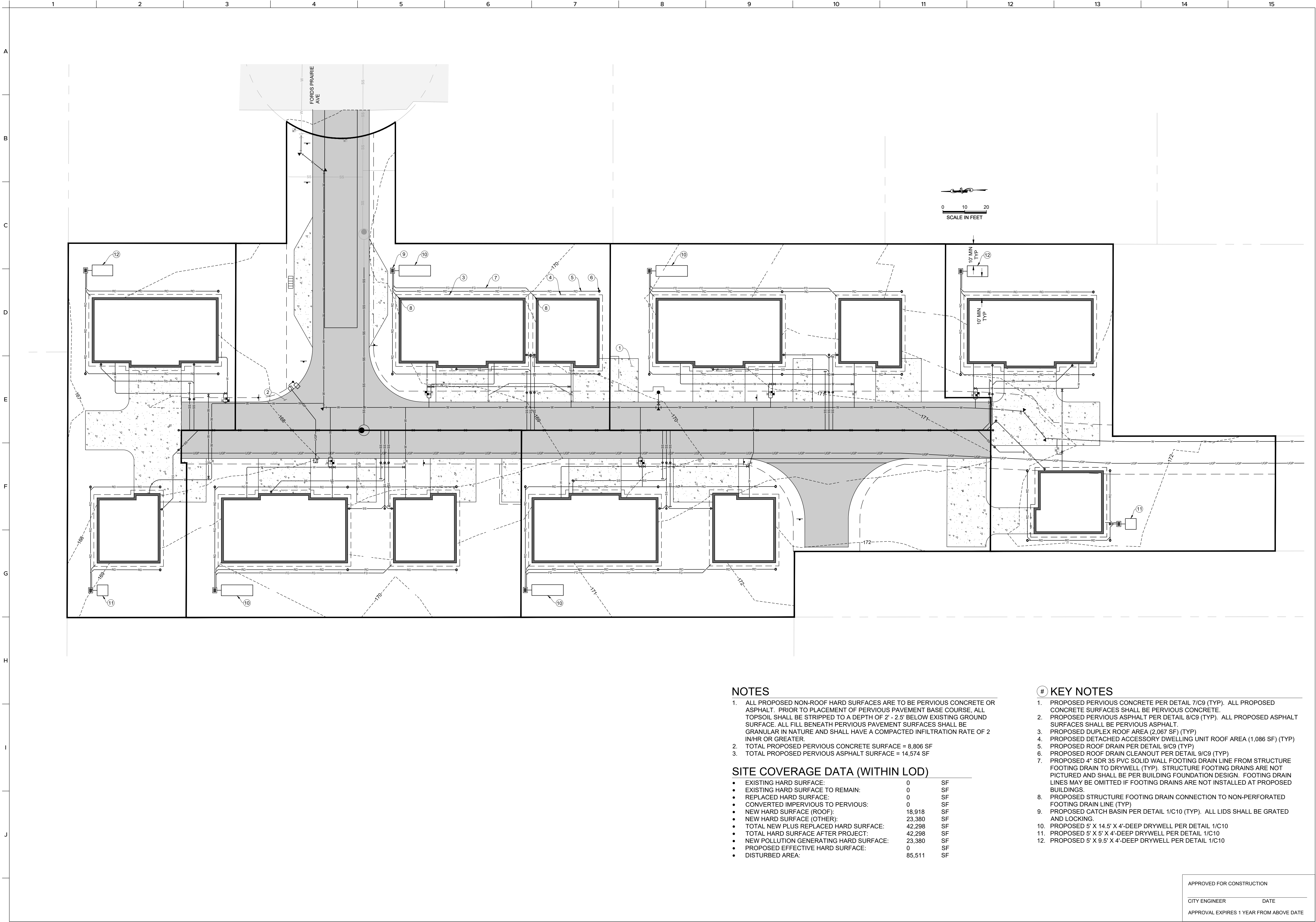
Know what's BELOW
Call 811 before you dig.



C5
5 of 13

APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE
APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

FILE NAME:Z:\P\MA301\CAD\Sheets\MA301 Civil Improvement Plans v3.dwg DATE/TIME:3/6/2025 12:44:08 PM



NOTES

- ALL PROPOSED NON-ROOF HARD SURFACES ARE TO BE PERVIOUS CONCRETE OR ASPHALT. PRIOR TO PLACEMENT OF PERVIOUS PAVEMENT BASE COURSE, ALL TOPSOIL SHALL BE STRIPPED TO A DEPTH OF 2' - 2.5' BELOW EXISTING GROUND SURFACE. ALL FILL BENEATH PERVIOUS PAVEMENT SURFACES SHALL BE GRANULAR IN NATURE AND SHALL HAVE A COMPACTED INFILTRATION RATE OF 2 IN/HR OR GREATER.
- TOTAL PROPOSED PERVIOUS CONCRETE SURFACE = 8,806 SF
- TOTAL PROPOSED PERVIOUS ASPHALT SURFACE = 14,574 SF

SITE COVERAGE DATA (WITHIN LOD)

• EXISTING HARD SURFACE:	0	SF
• EXISTING HARD SURFACE TO REMAIN:	0	SF
• REPLACED HARD SURFACE:	0	SF
• CONVERTED IMPERVIOUS TO PERVIOUS:	0	SF
• NEW HARD SURFACE (ROOF):	18,918	SF
• NEW HARD SURFACE (OTHER):	23,380	SF
• TOTAL NEW PLUS REPLACED HARD SURFACE:	42,298	SF
• TOTAL HARD SURFACE AFTER PROJECT:	42,298	SF
• NEW POLLUTION GENERATING HARD SURFACE:	23,380	SF
• PROPOSED EFFECTIVE HARD SURFACE:	0	SF
• DISTURBED AREA:	85,511	SF

KEY NOTES

- PROPOSED PERVIOUS CONCRETE PER DETAIL 7/C9 (TYP). ALL PROPOSED CONCRETE SURFACES SHALL BE PERVIOUS CONCRETE.
- PROPOSED PERVIOUS ASPHALT PER DETAIL 8/C9 (TYP). ALL PROPOSED ASPHALT SURFACES SHALL BE PERVIOUS ASPHALT.
- PROPOSED DUPLEX ROOF AREA (2,067 SF) (TYP)
- PROPOSED DETACHED ACCESSORY DWELLING UNIT ROOF AREA (1,086 SF) (TYP)
- PROPOSED ROOF DRAIN PER DETAIL 9/C9 (TYP)
- PROPOSED ROOF DRAIN CLEANOUT PER DETAIL 9/C9 (TYP)
- PROPOSED 4" SDR 35 PVC SOLID WALL FOOTING DRAIN LINE FROM STRUCTURE FOOTING DRAIN TO DRYWELL (TYP). STRUCTURE FOOTING DRAINS ARE NOT PICTURED AND SHALL BE PER BUILDING FOUNDATION DESIGN. FOOTING DRAIN LINES MAY BE OMITTED IF FOOTING DRAINS ARE NOT INSTALLED AT PROPOSED BUILDINGS.
- PROPOSED STRUCTURE FOOTING DRAIN CONNECTION TO NON-PERFORATED FOOTING DRAIN LINE (TYP)
- PROPOSED CATCH BASIN PER DETAIL 1/C10 (TYP). ALL LIDS SHALL BE GRATED AND LOCKING.
- PROPOSED 5' X 14.5' X 4'-DEEP DRYWELL PER DETAIL 1/C10
- PROPOSED 5' X 5' X 4'-DEEP DRYWELL PER DETAIL 1/C10
- PROPOSED 5' X 9.5' X 4'-DEEP DRYWELL PER DETAIL 1/C10

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

APPROVAL EXPIRES 1 YEAR FROM ABOVE DATE

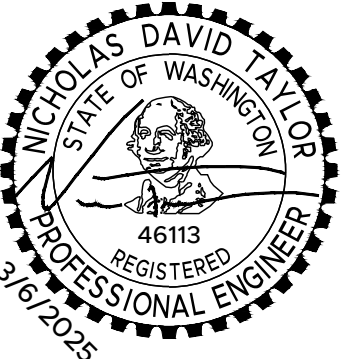
ANDERLAND
SUBDIVISION

SEC 01, T4N 14N, R9G 03W, WM
LEWIS COUNTY TPN 021918002002
0 RUSSELL RD
CENTRALIA, WA 98531

DRAINAGE

PROJ. NO:	MA301
REVIEWED BY:	NDT
DESIGNED BY:	NDT
DRAWN BY:	RCB
DATE:	03-06-2025

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C6

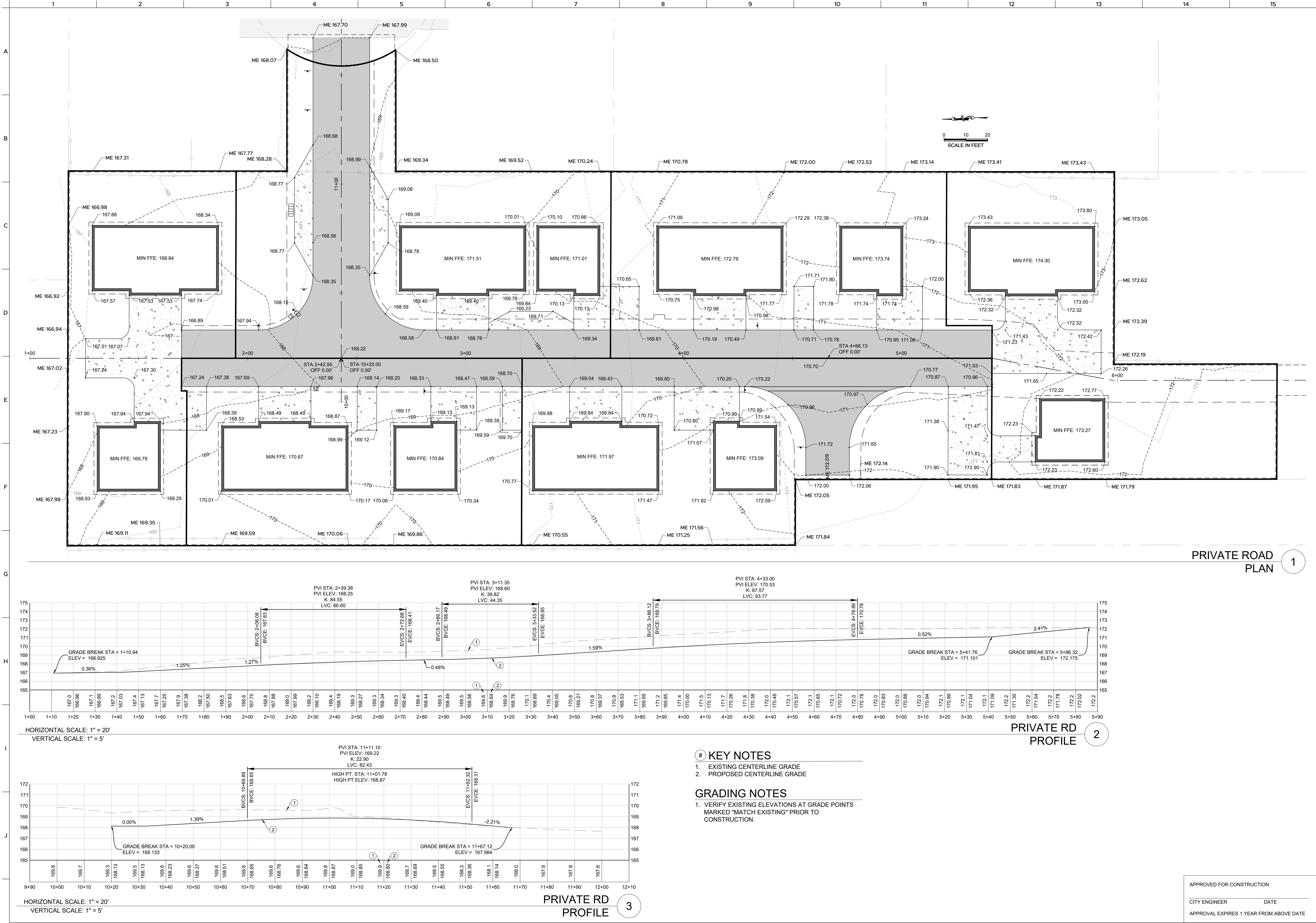
6 of 13

IRISGROUP

civil engineers

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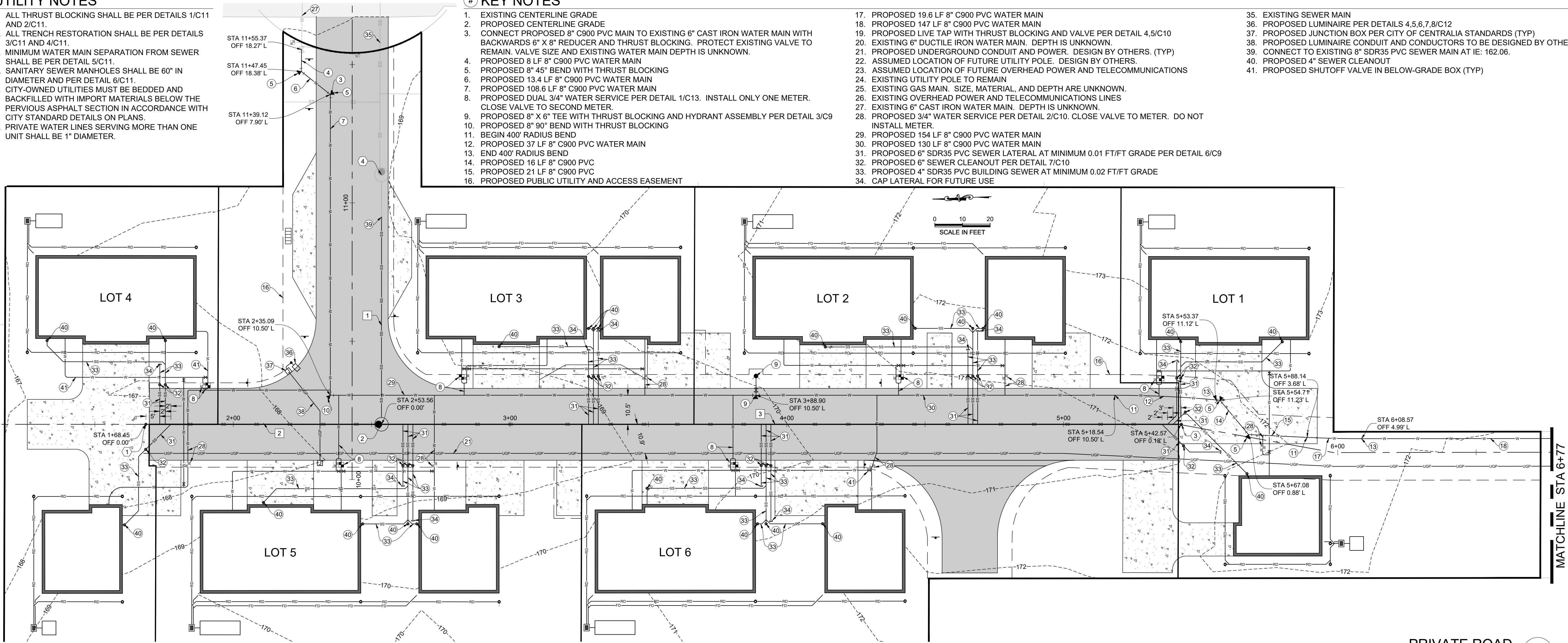
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UTILITY NOTES

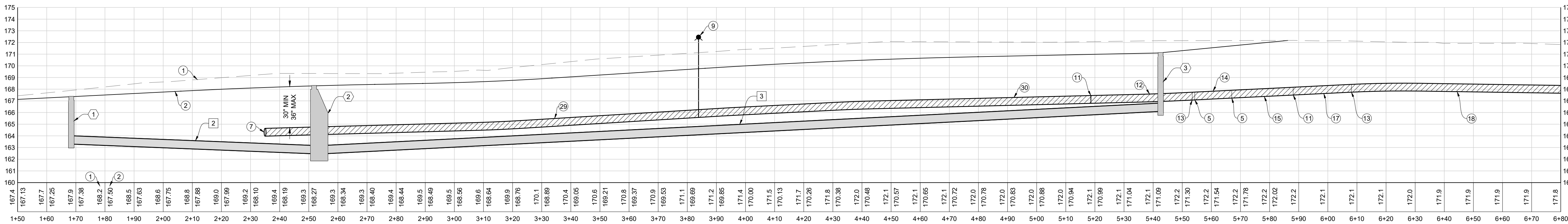
1. ALL THRUST BLOCKING SHALL BE PER DETAILS 1/C11 AND 2/C11.
2. ALL TRENCH RESTORATION SHALL BE PER DETAILS 3/C11 AND 4/C11.
3. MINIMUM WATER MAIN SEPARATION FROM SEWER SHALL BE PER DETAIL 5/C11.
4. SANITARY SEWER MANHOLES SHALL BE 60" IN DIAMETER AND PER DETAIL 6/C11.
5. CITY-OWNED UTILITIES MUST BE BEDDED AND BACKFILLED WITH IMPORT MATERIALS BELOW THE PERVIOUS ASPHALT SECTION IN ACCORDANCE WITH CITY STANDARD DETAILS ON PLANS.
6. PRIVATE WATER LINES SERVING MORE THAN ONE UNIT SHALL BE 1" DIAMETER.

KEY NOTES

1. EXISTING CENTERLINE GRADE
2. PROPOSED CENTERLINE GRADE
3. CONNECT PROPOSED 8" C900 PVC MAIN TO EXISTING 6" CAST IRON WATER MAIN WITH BACKWARDS 6" X 8" REDUCER AND THRUST BLOCKING. PROTECT EXISTING VALVE TO REMAIN. VALVE SIZE AND EXISTING WATER MAIN DEPTH IS UNKNOWN.
4. PROPOSED 8 LF 8" C900 PVC WATER MAIN
5. PROPOSED 8" 45° BEND WITH THRUST BLOCKING
6. PROPOSED 13.4 LF 8" C900 PVC WATER MAIN
7. PROPOSED 108.6 LF 8" C900 PVC WATER MAIN
8. PROPOSED DUAL 3/4" WATER SERVICE PER DETAIL 1/C13. INSTALL ONLY ONE METER.
9. PROPOSED 8" X 6" TEE WITH THRUST BLOCKING AND HYDRANT ASSEMBLY PER DETAIL 3/C9
10. PROPOSED 8" 90° BEND WITH THRUST BLOCKING
11. BEGIN 400' RADIUS BEND
12. PROPOSED 37 LF 8" C900 PVC WATER MAIN
13. END 400' RADIUS BEND
14. PROPOSED 16 LF 8" C900 PVC
15. PROPOSED 21 LF 8" C900 PVC
16. PROPOSED PUBLIC UTILITY AND ACCESS EASEMENT
17. PROPOSED 19.6 LF 8" C900 PVC WATER MAIN
18. PROPOSED 147 LF 8" C900 PVC WATER MAIN
19. PROPOSED LIVE TAP WITH THRUST BLOCKING AND VALVE PER DETAIL 4.5/C10
20. EXISTING 6" DUCTILE IRON WATER MAIN. DEPTH IS UNKNOWN.
21. PROPOSED UNDERGROUND CONDUIT AND POWER. DESIGN BY OTHERS. (TYP)
22. ASSUMED LOCATION OF FUTURE UTILITY POLE. DESIGN BY OTHERS.
23. ASSUMED LOCATION OF FUTURE OVERHEAD POWER AND TELECOMMUNICATIONS
24. EXISTING UTILITY POLE TO REMAIN
25. EXISTING GAS MAIN. SIZE, MATERIAL, AND DEPTH ARE UNKNOWN.
26. EXISTING OVERHEAD POWER AND TELECOMMUNICATIONS LINES
27. EXISTING 6" CAST IRON WATER MAIN. DEPTH IS UNKNOWN.
28. PROPOSED 3/4" WATER SERVICE PER DETAIL 2/C10. CLOSE VALVE TO METER. DO NOT INSTALL METER.
29. PROPOSED 154 LF 8" C900 PVC WATER MAIN
30. PROPOSED 130 LF 8" C900 PVC WATER MAIN
31. PROPOSED 6" SDR35 PVC SEWER LATERAL AT MINIMUM 0.01 FT/FT GRADE PER DETAIL 6/C9
32. PROPOSED 6" SEWER CLEANOUT PER DETAIL 7/C10
33. PROPOSED 4" SDR35 PVC BUILDING SEWER AT MINIMUM 0.02 FT/FT GRADE
34. CAP LATERAL FOR FUTURE USE
35. EXISTING SEWER MAIN
36. PROPOSED LUMINAIRE PER DETAILS 4,5,6,7,8/C12
37. PROPOSED JUNCTION BOX PER CITY OF CENTRALIA STANDARDS (TYP)
38. PROPOSED LUMINAIRE CONDUIT AND CONDUCTORS TO BE DESIGNED BY OTHERS
39. CONNECT TO EXISTING 8" SDR35 PVC SEWER MAIN AT IE: 162.06.
40. PROPOSED 4" SEWER CLEANOUT
41. PROPOSED SHUTOFF VALVE IN BELOW-GRADE BOX (TYP)

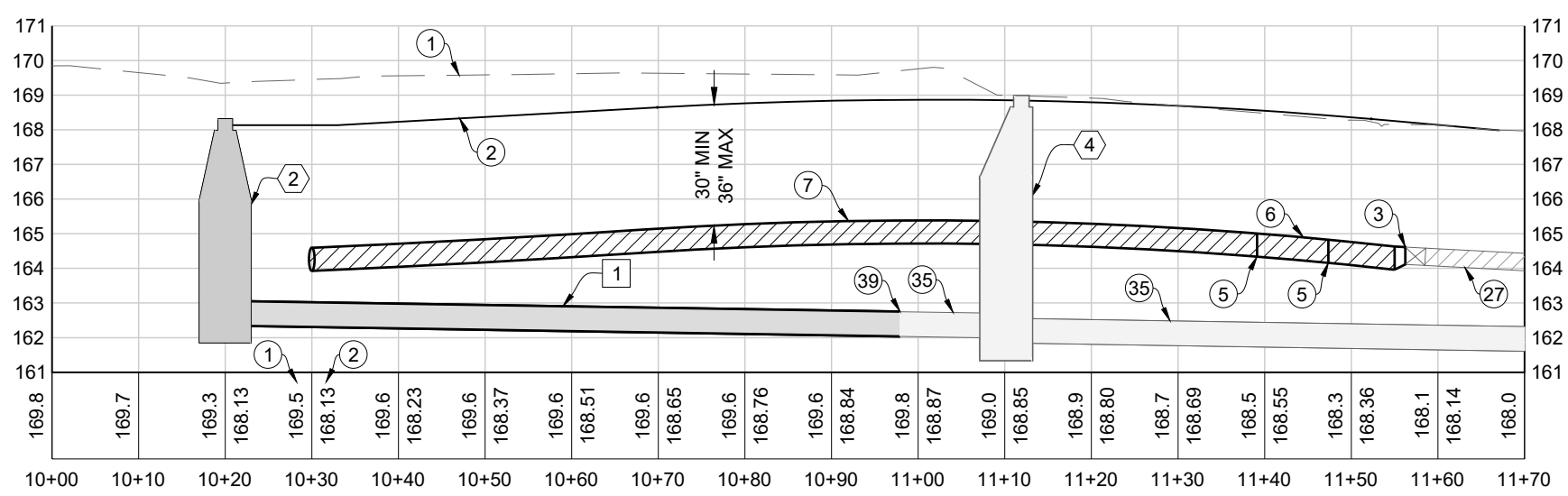


PRIVATE ROAD
PLAN A & B



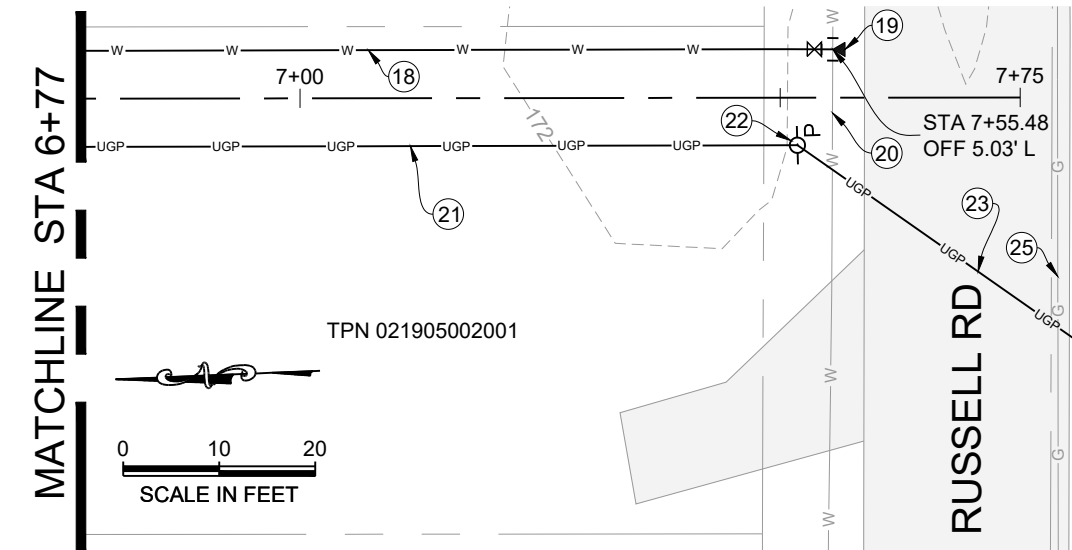
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

PRIVATE RD
PROFILE A

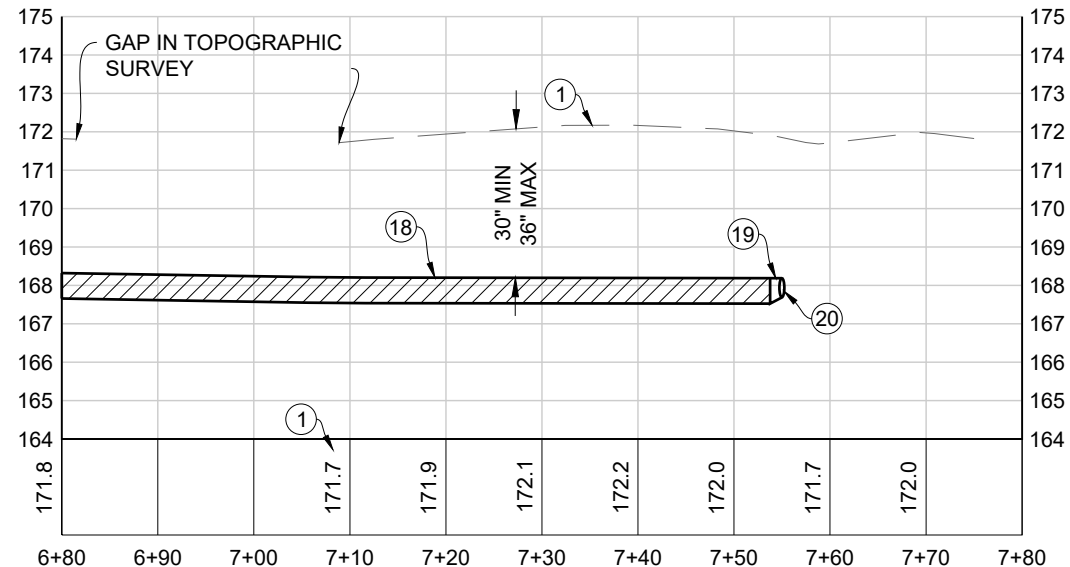


HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

PRIVATE RD
PROFILE B



PRIVATE RD
PLAN C



HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 5'

PRIVATE RD
PROFILE C

SEWER STRUCTURE TABLE

X	TYPE	RIM	INVERTS
1	PROPOSED CLEANOUT	167.36	8" IE: 163.32 (S)
2	PROPOSED TYPE 3 MANHOLE	168.30	8" IE: 162.47 (S) 8" IE: 162.47 (N) 8" IE: 162.37 (E)
3	PROPOSED CLEANOUT	171.12	8" IE: 166.12 (N)
4	EXISTING MANHOLE	168.96	8" IE: 161.87 (E) 8" IE: 162.01 (W)

SEWER PIPE TABLE

X	MATERIAL	SIZE	LENGTH	GRADE (FT/FT)
1	SDR35 PVC	8"	78'	0.004
2	SDR35 PVC	8"	85'	0.010
3	SDR35 PVC	8"	289'	0.013

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DATE

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WATER MAIN INSTALLATION GENERAL NOTES

16. Where the water line crosses a sanitary sewer, the water line shall be above the sewer line whenever possible with a separation of at least 18 inches between the invert of the water line and the crown of the sewer pipe. If this criteria can not be achieved the sewer pipe shall be cased within ductile iron pipe for a distance of 10 feet either side of the water line.
17. All "LONG SIDE SERVICES" shall be cased in 160 psi pipe.
18. Water services not using "long side" shall require a schedule 160 PVC pipe as a casing to cross the R.O.W.
3/4" service - casing dia. 1.5" 1.5" service - casing dia. 3"
1" service - casing dia. 2" 2" service - casing dia. 3"
19. ALL ASBESTOS PIPE WORKSMANSHIP MUST FOLLOW THE GUIDE LINES SET FORTH BY THESE AGENCIES: Southwest Washington Air Pollution Control Authority (SWAPCA) and Labor and Industries (L&I).
20. Call the Underground Location Center at 1-800-424-5555 or 811 at least 48 hours before any excavation.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	02/2020	WATER MAIN INSTALLATION GENERAL NOTES	2 OF 2
2022 Standard Drawings			

NOT TO
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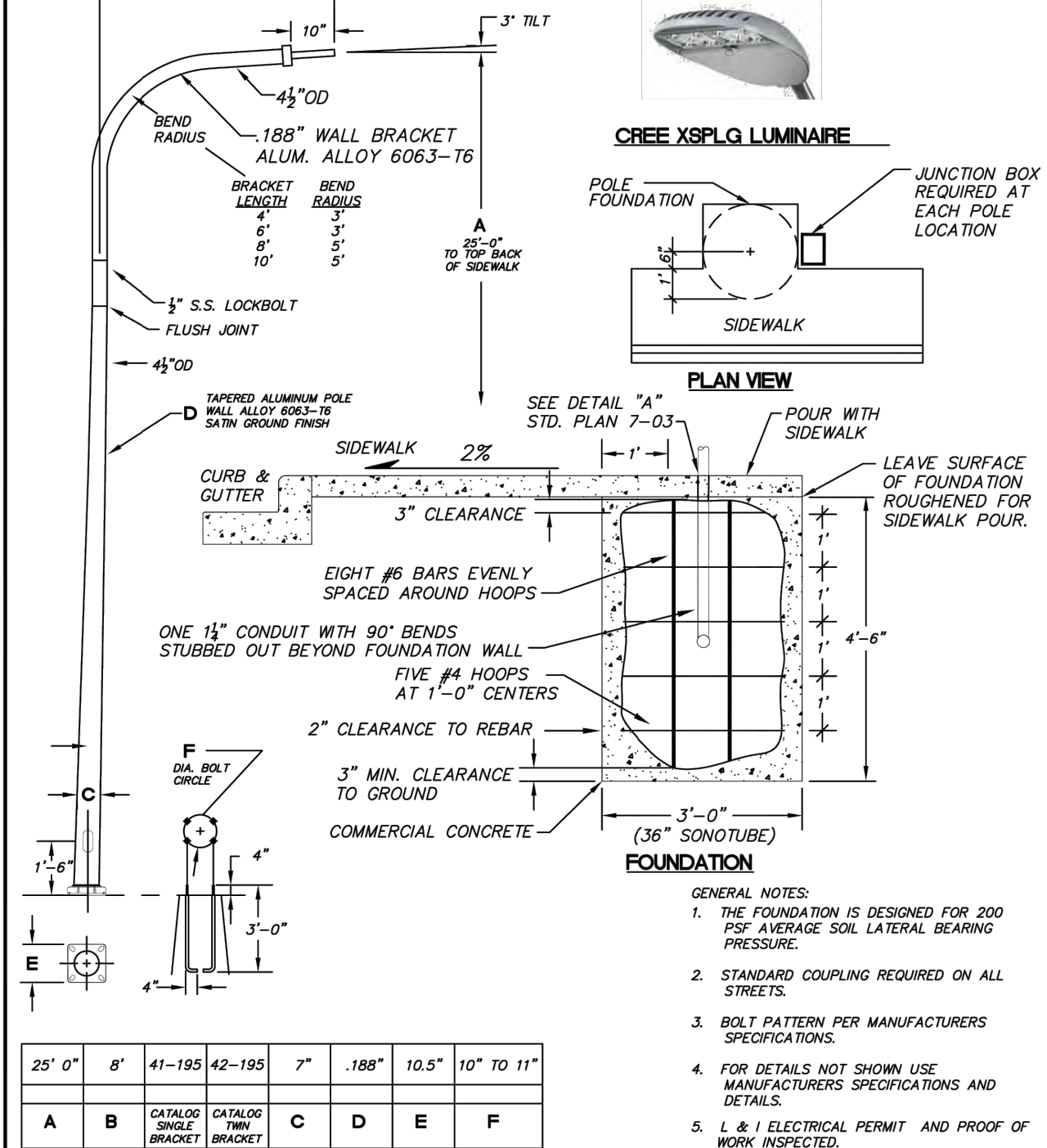
STREET LIGHT CONSTRUCTION GENERAL NOTES

4. All workmanship, materials and testing shall be in accordance with WSDOT/APWA, NEC and City of Centralia Design and Development Guidelines and Centralia Street Light Construction guidelines unless otherwise specified below. In cases of conflict the most stringent guideline shall apply.
5. A right-of-way permit, electrical permits and inspections are required for all street lighting installations within the City of Centralia. The contractor is responsible for obtaining said permits prior to any type of actual construction. The right-of-way permit is available at the Engineering Department. The electrical permit is available from the City Engineer for the electrical permit can be obtained from Centralia City Light, 1100 N Tower Ave, Centralia.
6. A clearly marked service disconnect shall be provided for every lighting circuit. The location and installation of the disconnect shall conform to National Electric Code (NEC) and City of Centralia Standards. The photo cell window shall face north unless otherwise directed by the City. The service disconnect shall be a minimum 100 amp, 240 volt, 3 phase, 4 wire, 1" minimum conduit of a type equal to a Myers MEG16-UW-100-31 or Milbank CP3811110AZ2SL1 service, 120/240 VAC, 1Ø, 3W, Catwans Type 3UB with conductors, photo electric cell and test switch. Place one spare 1" conduit stub-out in service base 1' foot beyond concrete for future expansion. All service disconnects shall be installed in a readily accessible location (i.e. maximum number of luminaires per section). See Centralia Standard drawing 7-02.
7. All lighting wire shall be copper with a minimum size of #8 UF. All wire shall be suitable for wet locations. All wire shall be installed in schedule 40 PVC conduit with a minimum diameter of 1 1/2". A bushing or bell-end shall be used at the end of a conduit that terminate at a junction box or luminaire pole. Conductor identification shall be an integral part of installation of the conductors through the system (i.e. color-coding wires). Equipment grounding conductor shall be #6 UF copper. All splices or taps shall be made by approved methods utilizing epoxy kits rated at 600 volts (i.e. #1 SM 82-42). All splices shall be made with pressure type connectors. Wire nuts will not be allowed. Direct burial cable shall be allowed. All other installation shall conform to NEC, WSDOT/APWA and MUTCD standards.
8. Each luminaire pole shall have an in-line, fused, watertight electrical disconnect located at the base of the pole. The hand-handle shall be facing away from oncoming traffic. Additional conductor length shall be left inside the pole at the handle, pull box, or junction box, equal to a loop having a diameter of 18" within the back side of in-line fuse. The loop shall be cable and pole marked and labeled with the luminaire pole number. 18 inch spool by approved means. The CREE XSPGL LUMINAIRE (Order No. XSPGL D H7 2ME 18L 40K7 UL SV S4) must be used in all installations.
9. Approved pull boxes or junction boxes shall be installed when conduit runs are more than 200' feet. In addition, a pull box or junction box shall be installed within 10 feet of each luminaire pole and at every run crossing. Box shall be clearly and indelibly marked as lighting boxes by the legend "Lighting" or "L.T.". See WSDOT standard plan J-40-10.04 Type 1 and Centralia Standard Drawing 7-01.
10. All street light poles shall be spaced at 125 foot intervals and staggered. Any variation from the 125 ft. spacing to accommodate a specific installation must be approved by the City Engineer. All poles shall be HAPCO 25" Round Tapered Aluminum Pole with a Single Davit Arm, existing developed areas, the City may approve/require use of other poles to maintain consistency within the developed area.
11. Mounting heights, arm length, power source, luminaire, and bolt patterns shall be as

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
	06/2020	STREET LIGHT CONSTRUCTION GENERAL NOTES	1 of 2
CITY ENGINEER			
2022 Standard Drawings			

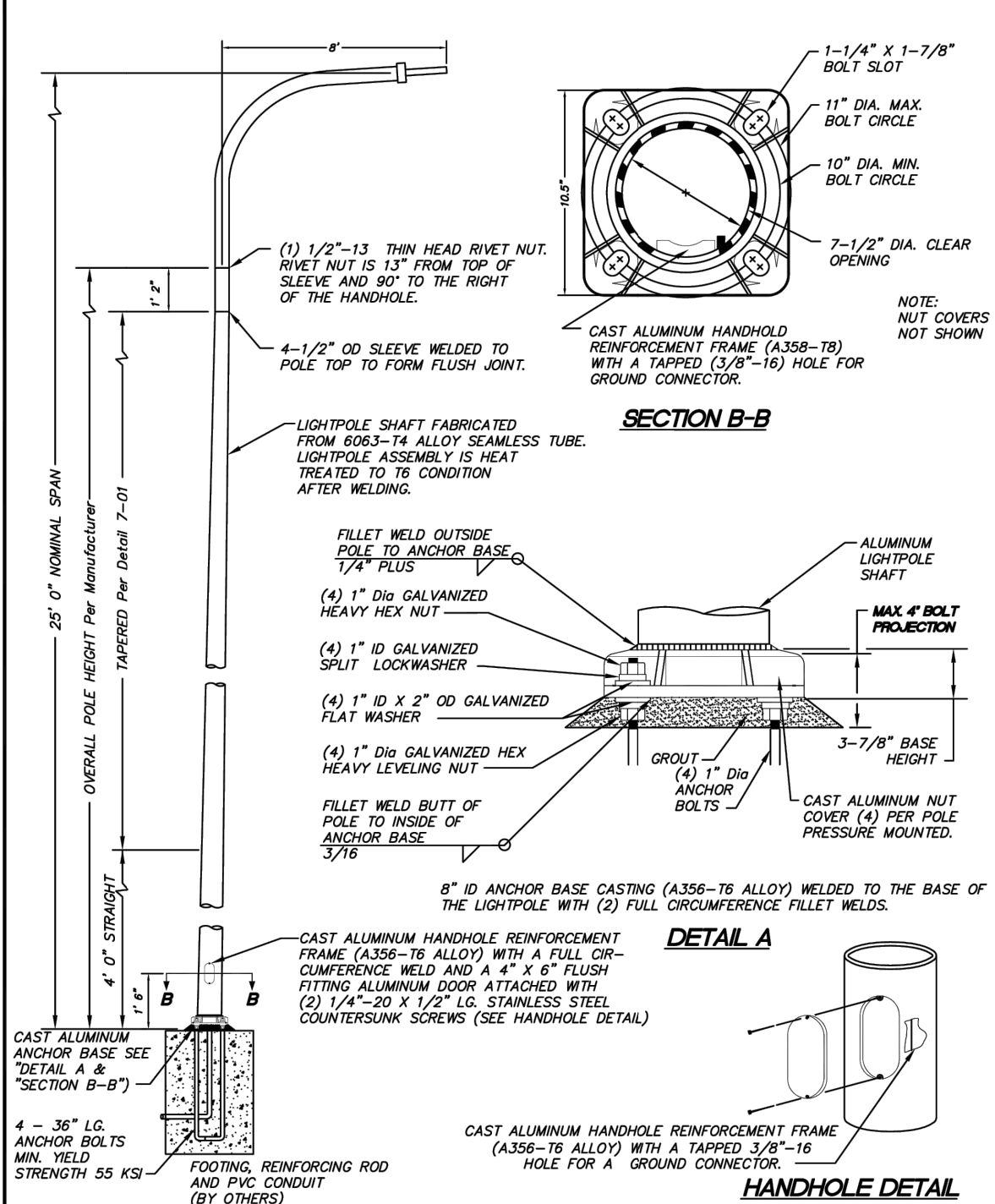
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Lumen Package	CCT/CRI	Voltage	Color Options	Options
18L	40K7	UL	SV	X4



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CITY ENGINEER	02/2020	STREET LIGHT DETAILS	7-01
2022 Standard Drawings			

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(BY OTHERS)		DATE: 02/20/2020	
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	02/20/2020	LIGHT POLE DETAIL	7-03
2022 Standard Drawings			

NOT TO
SCALE

WATER MAIN INSTALLATION GENERAL NOTES

1. All workmanship and material shall be in accordance with the City of Centennial standards and the most current copy of the State of Washington Specifications for Road, Bridge and Municipal Construction, including the Department of Transportation and the Department of Ecology standards.
2. All water lines 12" and larger shall be made of ductile iron, thickness class 52 and a rated working pressure of 350 PSI conforming to AWWA C151. All pipe shall be cement mortar lined per AWWA C104 with push on joints conforming to AWWA C111. Water lines under 12" diameter may be P.V.C. C-90 DR14.
3. Fittings shall be class 250 cement mortar lined ductile iron with mechanical joint or ANSI flanges. All bolted fittings shall be dressed with Anti-Seize product for protection. All ductile iron fitting connection(s) shall be completed by the City Engineer. All fittings shall be installed with a 1/2" to 1" extra flange water main, all connections will be made using a Ductile Iron (D) sleeve, with mega-lugs, or Romac Alpha coupling except when connecting to a AC main where a Hymac coupler (or equal) will be used.
4. Gate valves shall be resilient wedge, NRS (Non-Rising Stem) with O-ring seals. Valve ends shall be completed by the City Engineer. Gate valves shall conform to AWWA (latest 500 std. Valves shall be Mueller, M & H, Clow, Waterson, Kennedy or American A/C. Existing valves shall be operated by City employees only.
5. All NBSC Gate Valves must have brass handles.
6. A valve stem riser shall be installed on all valves where the depth from finish grade to the top of the valve exceeds 1.5'.
7. Fire hydrants shall be 3-port M & H Reliant Style 129, Mueller Centurian, 5 1/4" with steamer port thread of 498. The distance between operating nut and break away flange shall be 32 inches in vertical measurement. All hydrant shoes shall be epoxy coated. Each hydrant shall be provided with a Storz coupler the hydrant shall be located in a fire hydrant access area.
8. Brass wedges shall be installed in all ductile iron joints for continuity, two (2) per section of pipe. P.V.C. pipe, C.T.S. HDPE sch. 200 psi pipe shall be installed with a toning (tracer) wire. Toning wire shall be UL listed, type UF, solid core, 12 gauge insulated copper and shall be topped to the top of the pipe to be present continuously during installation and shall be located in a trench to prevent stretching and damage. The wire shall be brought up and tied off at valve body or meter setting.
9. The contractor shall maintain a min. cover of 30 inches and a max. cover of 36 inches over the pipe at all times.
10. All water mains shall be staked for grade and alignment by the design engineer or a licensed land surveyor. All vertical control shall be established using the 1988 USGS Datum.
11. All new water mains shall be filled and chlorinated for a minimum of 24 hrs prior to flushing. Contractor shall provide the chlorine.
12. Bacteria sampling of potable water lines shall be performed by the City prior to hydrostatic pressure testing. Contractor shall provide an approved sampling bottle from the Lewis County Health Dept., 360 NW North St., Chehalis, WA 98532
13. All pipe and appurtenances shall be hydrostatically tested at 225 PSI (min.) for 15 minutes and witnessed by the City. Fire line testing behind the metering vault shall be coordinated with Riverside Fire Authority.
14. Service lines of 3/4" and 1" shall be type "K" copper or copper tubing size (C.T.S.) Blue HDPE Polyethylene, 1/2" and 3/4" size. Groundwater fittings shall not use any combination of service lines. Note: In soil sensitive areas, service lines may be constructed of HDPE (40-200psi). Toning (tracer) wire is required when using HDPE pipe water mains/services. Services larger than 1" may be Blue HDPE or brass.
15. For any water main tap to existing City mains where the contractor encounters a coupling or existing assemblies, the contractor shall provide a minimum of 18" of clearance from coupling or assemblies to edge of existing pipe. Coupling shall be installed in a trench 18" deep and 18" wide.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	02/2020	WATER MAIN INSTALLATION GENERAL NOTES	1 OF 2
2022 Standard Drawings			

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SIDE SEWER REGULATIONS (Ord. 2051)

GENERAL NOTES

- Any work involving installation, replacement and repair on the sanitary sewer sewer requires an inspection permit. This must be obtained – in advance of the work – from the City utilities building at 1100 N Teller Ave.
- Inspection permit fees:

• *Single-family dwelling:	\$ 50.00
• *Multiple-family dwelling:	\$ 75.00
• *Commercial/Industrial:	\$ 100.00
• Alteration, repair and abandonment of existing lateral	\$ 50.00
• *I & Rehabilitation:	No charge—must be approved by Public Works
• After hours or holiday inspections:	\$ 100.00
• *Re-inspection:	\$ 50.00
• Grinder pump connection permit	\$ 150.00
• Grinder pumps commercial or industrial connection	\$ 150.00
 - For inspection, call the Public Works Office at (360) 330-7512. Inspections will be made 8:00 A.M. – Noon and 1:00 P.M. – 3:00 P.M.
 - "Side Sewer" means that part of the horizontal piping of a drainage system which extends from the end of the building drain and which receives the discharge of the building drain and conveys it to a public sewer, private sewer, individual sewage disposal system or other point of disposal.
 - All costs and expenses incident to the installation and connection, operation and maintenance and replacement of the side sewer shall be borne by the owner.
 - Pipes acceptable for side sewers: polyvinyl chloride(PVC) ASTM D 3034, SDR 35; cast iron soil pipe, federal spec. WWP-401; ductile iron, ANSI A 2151, thickness class S1; not acceptable for side sewer: black ABS pipe, glued joint pipes, glued fittings.
 - Side sewer for single family dwelling shall be no less than 4" diameter from dwelling to property line and 6" from property line to public sewer. All multiple family, commercial and industrial side sewer lines shall be no less than 6" diameter. Each building must have a separate side sewer.
 - No 90 degree bends allowed.
 - A cleanout is required within 36" of all buildings and at intervals of not more than 100 feet. Cleanouts shall be extended to within 18" of surface and capped except where surface is paved: in paved area, cleanouts shall be extended flush with surface and plugged with an acceptable threaded metal plug.
 - Backwater valves— The Uniform Plumbing Code requires backwater valves on building sewers where the finished floor is below the rim of the upstream manhole. Backwater valves, if they are installed, must be located within the building footprint upstream of the cleanout. The city is not responsible for their installation, maintenance, or operation.
 - Lines shall be laid on uniform slope not less than 1/4" per foot for 4" pipe and 1/8" per foot for 6" pipe. Pipe shall be bedded in and covered with suitable fine material. Alignment of both vertical and horizontal shall be straight and true.
 - Minimum cover for side sewers shall be 18" on private property.
 - Side sewer shall be water or air tested for their entire length. Inspection of the test must be witnessed by a Public Works employee before backfill(see#3). (See paragraph 15.10.240, ordinance 2051 for details.)
 - City staff has 24 hours to make inspection.

Any questions regarding the above regulations may be directed to the Public Works Office (360) 330-7512

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
	06-2022	SEWER MAIN INSTALLATION GENERAL NOTES	2 OF 2
CITY ENGINEER			
2022 Standard Drawings			

NOT TO
SCALE

STREET LIGHT CONSTRUCTION GENERAL NOTES

9. Cement concrete bases are shown in Centralia Standard Drawing 7-01. Conduit shall extend between 3 and 6 inches above the concrete base.
10. Refer to Centralia Standard Drawings 7-01, 7-02, and 7-03 for typical street light installation layout.
11. Any modification to approved plans made by the licensed engineer and so stamped, shall be reviewed and approved by the City prior to installation.
12. For connection to a pole mounted transformer the following must be provided: 35' of wire from the base of the pole, three sections of schedule 80 conduit and three standoff brackets.
13. Street light foundations will be formed with 36" Dia. Sonotube.

* NOTE: When ordering from Lexington, specify that the order is for the City of Centralia.

APPROVED BY	REVISED DATE 06/2020	CITY OF CENTRALIA	2 of 2
CITY ENGINEER		STREET LIGHT CONSTRUCTION GENERAL NOTES	
2022 Standard Drawings			

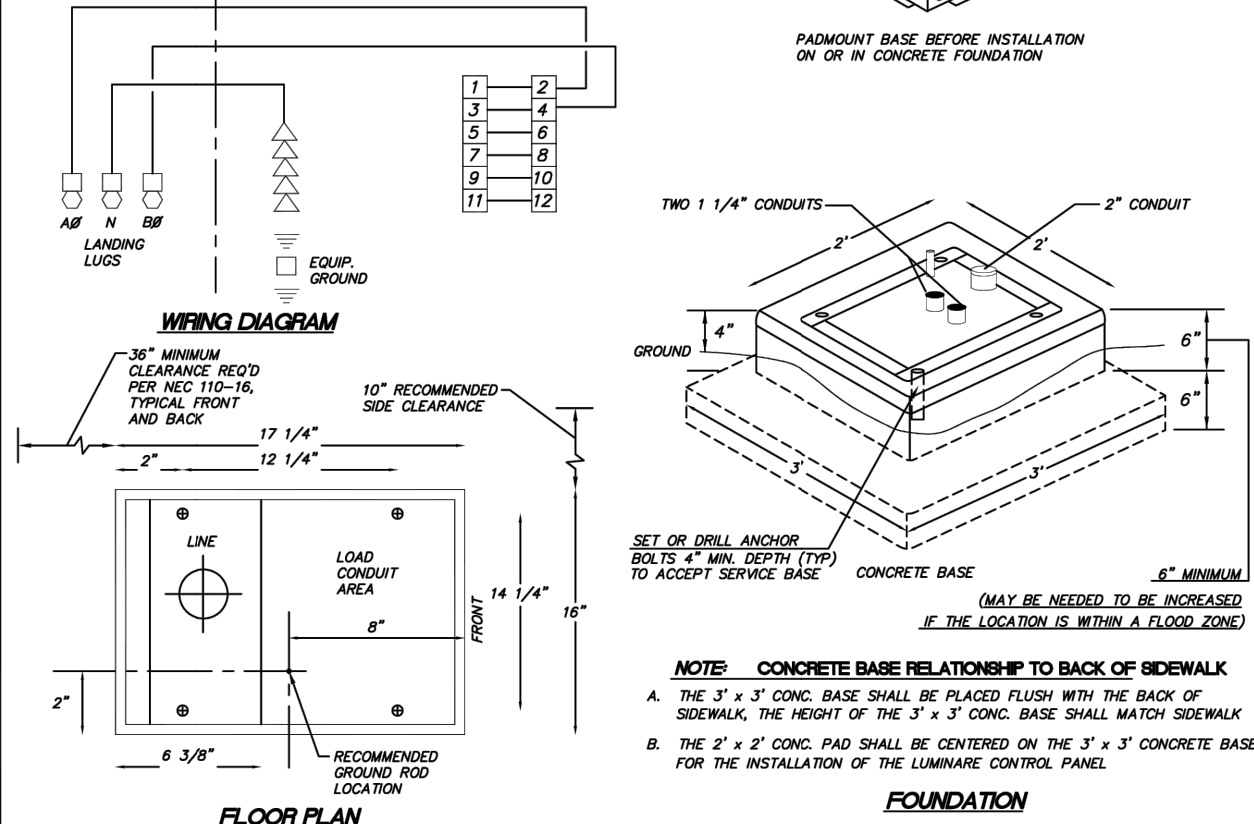
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SCALE

SPECIFICATIONS

1. STANDARD VOLTAGE IS 120/240V 103W
2. CALTRANS TYPE 3B SERVICE OR
UL APPROVED EQUAL
3. TYPE 3B RAINPROOF ENCLOSURE
4. 12 GAUGE ZINC COATED FLUG- IN CONNECTION
INTERIORS WILL ACCEPT STAG IN BREAKERS
(BUT NOT 6.5 INSTRUCTIONS) (SEE CR-USE-HH)
5. STANDARD FINISH: LIGHT GREEN BAKED
ENAMEL OVER CORROSION RESISTANT ZINC
CHROMATE PRIMER. EXCEEDS 250 HOURS SAL
SALT SPRAY ASTM B-117
6. DETACHABLE PADMOUNT SUB-BASE
7. COPPER BUSSED INTERIOR HAS PROVISIONS
FOR LIVE FIRE FULFILL
8. SUITABLE FOR USE WITHOUT A MAIN WHEN
NO MORE THAN SIX SERVICE DISCONNECTS
ARE INSTALLED AND USED IN ACCORDANCE
WITH ARTICLE 384 OF THE NEC.

THE UNIT SHALL CONTAIN THE FOLLOWING
ADDITIONAL EQUIPMENT:
TWO MERCURY RELAYS
ONE TEST SWITCH
ONE PHOTOCCELL

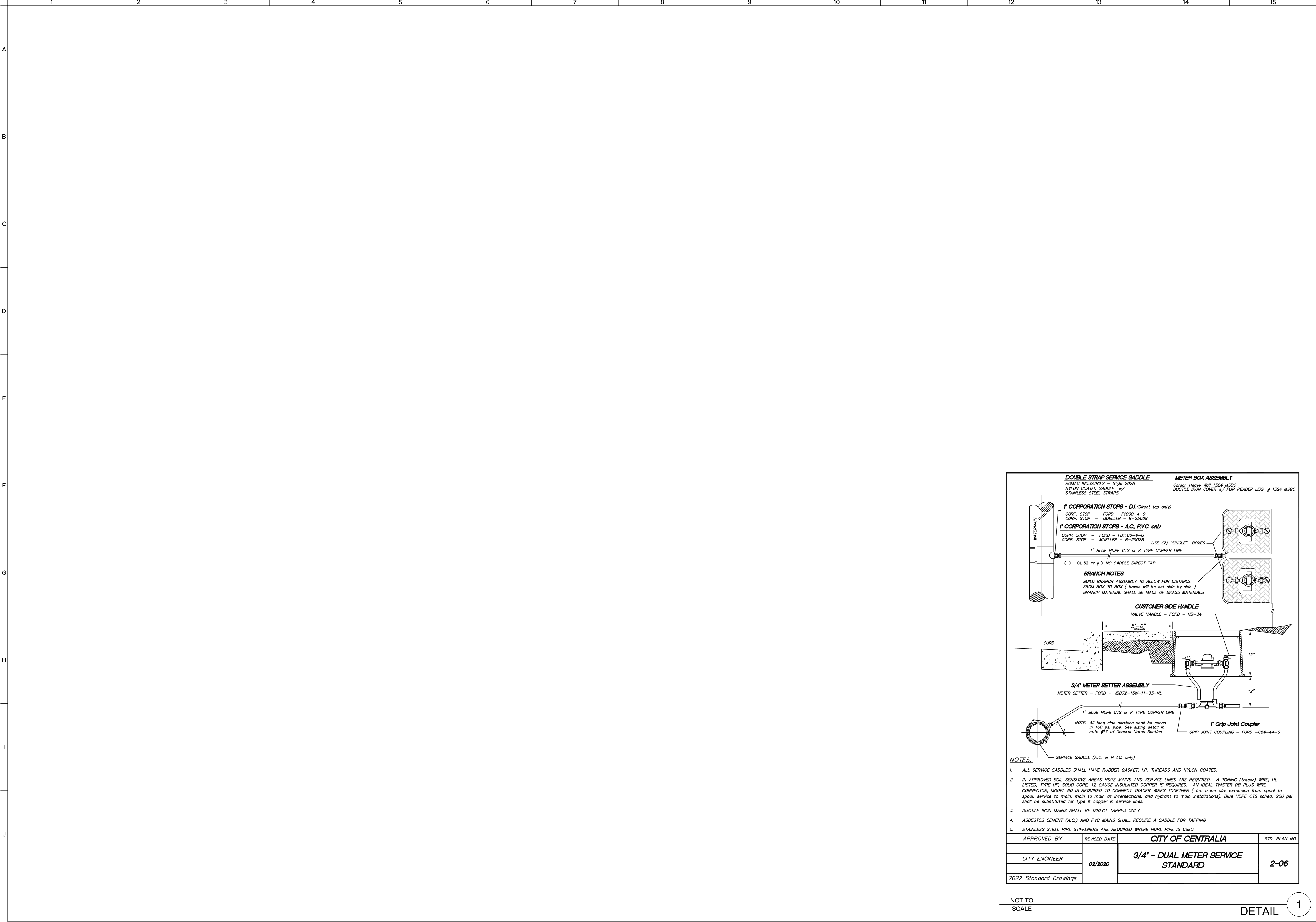
THE UNIT SHALL BE SET UP TO ACCEPT:
ONE TIME CLOCK



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	LUMINAIRE WIRING	7-02
2022 Standard Drawings			

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SCALE

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NOT TO SCALE

DETAIL 1

ANDERLAND
SUBDIVISION
SEC 01, T4N 14N, R4G 03W, WM
LEWIS COUNTY TPN 021918002002
0 RUSSELL RD
CENTRALIA, WA 98531

DETAILS 5

PROJ NO:	MA301
REVIEWED BY:	NDT
DESIGNED BY:	NDT
DRAWN BY:	RCB
DATE:	03-06-2025

Know what's BELOW
Call 811 before you dig.

