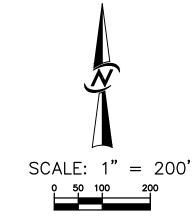
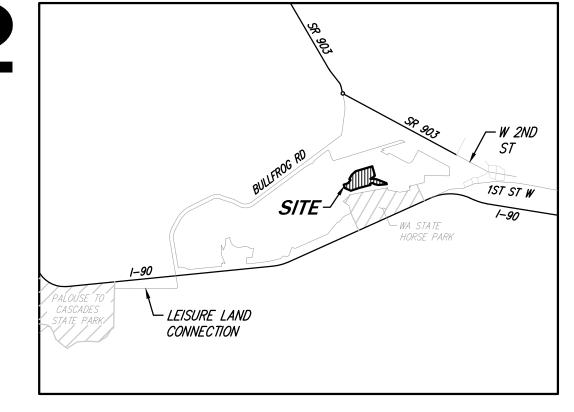


BULLFROG FLATS - PHASE S-2

SITE CONSTRUCTION PLANS CLE ELUM, WASHINGTON







VICINITY MAP1" = 5,000'

C1.01 PROJECT NUMBER *24019*

OWNER

SUN 47 NORTH, LLC 27777 FRANKLIN ROAD SUITE 300, SOUTHFIELD, MI 48034 (248) 208-2606 CONTACT: BILL RAFFOUL EMAIL: BRAFFOUL@SUNCOMMUNITIES.COM

APPLICANT

BULLFROG FLATS, LLC 18300 REDMOND WAY, SUITE 120 REDMOND, WA 98052 (425) 629-3854 CONTACT: MICHELLE BRANLEY EMAIL: ADMIN@BLUEFERN.COM

SURVEYOR

ESM CONSULTING ENGINEERS LLC 33400 8TH AVE S, SUITE 205 FEDERAL WAY, WA 98003 (253) 838-6113 CONTACT: ZACHARY T. LENNON

ENGINEER/LANDSCAPE ARCHITECT SURVEYOR/PLANNER

CORE DESIGN INC. 12100 N.E. 195TH ST, SUITE 300 BOTHELL, WASHINGTON 98011 QUENTIN CHALMERS, P.E. - DESIGN ENGINEER, DIRECT: (425) 420-8467 HOLLI H. HEAVRIN, P.E. - PROJECT MANAGER LINDSEY B. SOLORIO, P.L.A. - LANDSCAPE ARCHITECT ROBERT D. WEST, P.L.S. — SURVEYOR IAN G. FAULDS - PLANNER

VERTICAL DATUM

FOR SITE LEGAL DESCRIPTION, BASIS OF BEARINGS, HORIZONTAL DATUM, BENCHMARKS AND EXCEPTIONS CONTAINED IN TITLE, SEE SEPARATE DOCUMENT TITLED BULLFROG FLATS ALTA/NSPS LAND TITLE SURVEY.

SITE STATISTICS

FUTURE PARCEL I, PENDING BULLFROG FLATS BLA

ZONING	PLANNED MIXED USE	
PARCEL I AREA	<u>(S.F.)</u> 1,551,031	<u>(ACRES)</u> 35.61
PHASE S-2 AREA	1,198,114	27.50
ROW DEDICATION	258,733	5.94
PRIVATE ACCESS TRACTS (TRACTS S, T & U)	4,001	0.09
WETLANDS AND/OR CRITICAL AREAS	0	0
OPEN SPACES (TRACTS D, & M-R)	173,937	3.99
MINIMUM DENSITY (3 UNITS PER ACRE)	83 (PHASE S-2 AREA	TIMES 3)
MAXIMUM DENSITY (7 UNITS PER ACRE)	193 (PHASE S-2 AREA	TIMES 7)
LOTS PROPOSED DENSITY PROPOSED	130 4.73 DU/AC (PHASE S-	1 AREA)

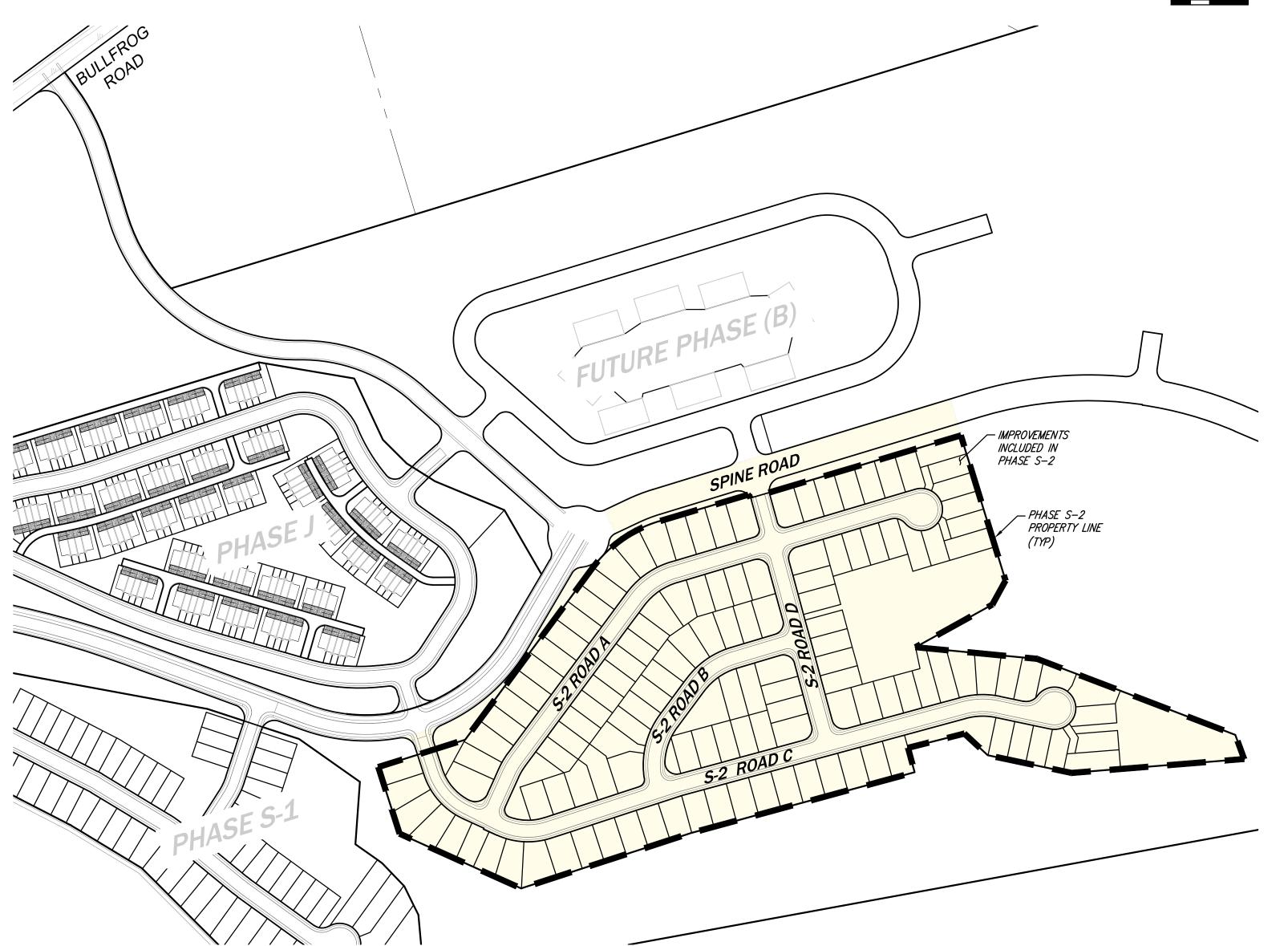
PUBLIC UTILITIES & SERVICES

CITY OF CLE ELUM CITY OF CLE ELUM STORM: CITY OF CLE ELUM POWER: CITY OF CLE ELUM SCHOOL: CITY OF CLE ELUM

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.

TOPOGRAPHIC NOTE

THE EXISTING TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED BY OTHERS. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, CORE DESIGN CANNOT ENSURE ITS ACCURACY AND THUS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.



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2	C1.02	GENERAL NOTES			
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20	C3.32	GRADING DETAILS			
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23	C4.02	STORM DRAINAGE PLAN 2			
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UNDERGROUND LOCATOR SERVICE

PRELIMINARY LANDSCAPE PLAN

PRELIMINARY LANDSCAPE PLAN

LANDSCAPE DETAILS

LANDSCAPE SCHEDULE & NOTES

L2.06

L2.31

CALL BEFORE YOU DIG!

CITY STANDARD NOTES:

THE FOLLOWING CITY OF CLE ELUM (COCE) STANDARD NOTES SHALL APPLY UNLESS THEY ARE IN CONFLICT WITH PROVISIONS IN THE APPROVED DEVELOPMENT AGREEMENT (DA) IN WHICH CASE THE DA SHALL GOVERN. A STRIKE THROUGH HAS BEEN ADDED TO NOTES THAT ARE IN CONFLICT WITH THE DA.

- 1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS, THE LATEST EDITION OF STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION PREPARED BY THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION, AND THE WASHINGTON STATE CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION, THE CITY OF CLE ELUM DEVELOPMENT STANDARDS, REFERENCED CODES AND ORGANIZATIONS, AND THESE SPECIAL PROVISIONS.
- 2. CONSTRUCTION HOURS WITHIN THE UGA SHALL BE LIMITED TO 7:00 AM TO 7:00 PM, MONDAY THROUGH
 SATURDAY. SUNDAY CONSTRUCTION SHALL BE ON AN EMERGENCY BASIS ONLY AND SHALL BE APPROVED BY
 THE CITY. EQUIPMENT SERVICING AND MAINTENANCE TIMES WILL BE UNRESTRICTED.
- 3. THE DEVELOPER'S CONTRACTOR SHALL GIVE A MINIMUM OF TEN (10) DAYS PRIOR NOTICE TO THE PUBLIC WORKS DIRECTOR OF THE START OF ANY CONSTRUCTION ACTIVITIES.
- 4. BEFORE THE DEVELOPER'S CONTRACTOR COMMENCES ANY WORK, HE SHALL BE REQUIRED TO ATTEND A PRECONSTRUCTION CONFERENCE WITH THE DEPARTMENT OF PUBLIC WORKS, THE CITY'S ENGINEER, AND UTILITY COMPANIES AS DETERMINED BY THE CITY OF CLE ELUM. THE PURPOSE OF THE MEETING IS TO DISCUSS THE SCHEDULING, METHOD OF CONSTRUCTION, RESPONSIBILITIES, CONCERNS OF OTHER UTILITIES, AND OTHER PERTINENT PROJECT CONDITIONS. THE CONTRACTOR WILL SUBMIT HIS INSURANCE AND CONSTRUCTION SCHEDULE AT OR PRIOR TO THIS MEETING. SEE SPECIAL PROVISION 1–08.3 FOR CONSTRUCTION SCHEDULE SUBMITTAL REQUIREMENTS.
- 5. THE DEVELOPER SHALL MAINTAIN A NEATLY MARKED, FULL—SIZED SET OF RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL NEW CONSTRUCTION OF THE PUBLIC FACILITIES.
- 6. WATER SUPPLY: WATER FOR USE ON THE PROJECT MAY BE OBTAINED/PURCHASED FROM THE CITY OF CLE ELUM AND THE CONTRACTOR SHALL ARRANGE FOR AND CONVEY THE WATER FROM THE NEAREST CONVENIENT HYDRANT OR OTHER SOURCE AT HIS OWN EXPENSE. THE HYDRANTS SHALL BE USED IN ACCORDANCE WITH THE CITY OF CLE ELUM WATER DEPARTMENT REGULATIONS.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING AND PAYING FOR ALL MATERIAL TESTING REQUIRED BY THESE CONTRACT DOCUMENTS. ALL TESTING SERVICES SHALL BE PERFORMED BY AN INDEPENDENT, CERTIFIED TESTING FIRM AND/OR LABORATORY MEETING THE APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL SUBMIT INFORMATION RELATING TO THE QUALIFICATIONS OF THE PROPOSED TESTING FIRM TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE PRECONSTRUCTION CONFERENCE. SEE SPECIAL PROVISION 1-05.18 FOR REQUIRED TEST TYPES AND FREQUENCIES.
- 8. LOCATIONS AND DIMENSIONS SHOWN ON THE PLANS FOR EXISTING FACILITIES ARE IN ACCORDANCE WITH AVAILABLE INFORMATION OBTAINED WITHOUT UNCOVERING, MEASURING, OR OTHER VERIFICATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE THE PRESENCE AND LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL CALL FOR FIELD LOCATION NOT LESS THAN TWO NOR MORE THAN TEN BUSINESS DAYS BEFORE THE SCHEDULED DATE FOR COMMENCEMENT OF EXCAVATION WHICH MAY AFFECT UNDERGROUND UTILITY FACILITIES, UNLESS OTHERWISE AGREED UPON BY THE PARTIES INVOLVED.

WATER STANDARD NOTES:

ALL EXTENSIONS TO THE CITY OF CLE ELUM'S DOMESTIC WATER SYSTEM SHALL CONFORM TO THE DESIGN STANDARDS OF THE CITY OF CLE ELUM AND THE STATE DEPARTMENT OF HEALTH AS FOLLOWS:

- 1. ALL NEW LOTS AND DEVELOPMENTS SHALL BE SERVED BY A PUBLIC WATER SUPPLY LINE MAINTAINED BY THE CITY OF CLE ELUM AND LOCATED ADJACENT TO THE LOT OR DEVELOPMENT SITE. THE WATER SUPPLY LINE SHALL BE CAPABLE OF PROVIDING SUFFICIENT FLOW AND PRESSURE TO SATISFY THE FIRE FLOW AND DOMESTIC SERVICE REQUIREMENTS OF THE PROPOSED LOTS AND DEVELOPMENT REQUIREMENTS.
- 2. WATER LINES SHALL BE EXTENDED BY THE OWNER OR DEVELOPER TO THE POINT WHERE THE ADJOINING PROPERTY OWNER'S RESPONSIBILITY FOR FURTHER EXTENSION BEGINS. THIS TYPICALLY REQUIRES AN EXTENSION ACROSS THE ENTIRE FRONTAGE OF THE PROPERTY TO THE PROPERTY LINE OF THE ADJOINING OWNER. IN SOME CASES, IT WILL REQUIRE DEDICATION OF AN EASEMENT AND A LINE EXTENSION ACROSS THE PROPERTY OR EXTENSION ACROSS TWO OR MORE SIDES OF THE DEVELOPING PROPERTY. EXTENSIONS WILL BE CONSISTENT WITH AND IMPLEMENT THE CITY'S ADOPTED WATER COMPREHENSIVE PLAN.
- 3. ALL NEW PUBLIC DOMESTIC WATER MAINS SHALL BE A MINIMUM DIAMETER OF 8—INCH. FIRE HYDRANT RUNS LESS THAN 50 FEET FROM THE WATER MAIN TO THE FIRE HYDRANT SHALL BE A MINIMUM OF 6—INCH. LARGER PUBLIC WATER MAINS MAY BE REQUIRED DEPENDING UPON FIRE FLOW REQUIREMENTS AS DETERMINED BY THE CITY FIRE CHIEF AND CITY BUILDING OFFICIAL.
- 4. WATER MAIN OVERSIZING, ABOVE THAT REQUIRED FOR THE PARTICULAR DEVELOPMENT BEING SUBMITTED, MAY BE REQUIRED BY THE CITY OF CLE ELUM TO BE INSTALLED FOR FUTURE EXTENSION. THE COST OF THE MATERIALS ONLY FOR THE OVERSIZING SHALL BE REIMBURSED TO THE DEVELOPER BY THE CITY. THE DEVELOPER SHALL SUBMIT ACTUAL MATERIAL INVOICES SHOWING THE ACTUAL COST OF THE MATERIALS FURNISHED AND THE COST OF THE SAME MATERIALS OF THE SIZE REQUIRED FOR THE DEVELOPMENT.
- 5. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESSURE REDUCING VALVE STATIONS IN AREAS OF EXCESSIVE PRESSURE.
- 6. EIGHT-INCH DEAD-END WATER MAIN OVER 1,500 FEET IN LENGTH WILL ONLY BE ALLOWED WHERE FUTURE LOOPING VIA PUBLIC RIGHT OF WAY CAN BE ASSURED. DEAD-END MAINS EXCEEDING 1,500 FEET IN LENGTH WILL BE AT LEAST 10-INCH DIAMETER PIPE WHERE LOOPING IS NOT PRACTICAL OR IS UNLIKELY TO OCCUR IN THE FUTURE.
- 7. MAXIMUM VALVE SPACING IN PUBLIC WATER MAINS WILL BE 1,200 LINEAR FEET. VALVES WILL BE FURNISHED AND INSTALLED ON ALL LEGS OF NEW WATER MAIN INTERSECTIONS.
- 8. ALL NEW WATER METERS SHALL BE A MINIMUM OF 3/4—INCH AND SHALL BE FURNISHED AND INSTALLED BY THE CITY OF CLE ELUM. IF MORE THAN 10 METERS ARE REQUIRED, THEY SHALL BE FURNISHED AND INSTALLED BY THE DEVELOPER TO CITY OF CLE ELUM STANDARDS.
- 9. ONLY ONE METER SHALL BE SERVED FROM EACH MAIN TAP. WATER AND SEWER SERVICE LINES MAY NOT BE LAID IN THE SAME TRENCH EXCEPT AS PROVIDED IN SECTION 1008 OF THE UNIFORM PLUMBING CODE (UPC) AND WITH WRITTEN APPROVAL OF THE CITY OF CLE ELUM BUILDING INSPECTOR.
- 10. MINIMUM TWO—INCH AIR AND VACUUM RELEASE VALVES SHALL BE FURNISHED AND INSTALLED AT HIGH POINTS IN THE SYSTEM.
- 11. FIRE HYDRANTS SHALL BE SPACED NO GREATER THAN EVERY 300 FEET. ADDITIONAL HYDRANTS MAY BE REQUIRED TO PROTECT STRUCTURES AS DETERMINED BY THE CITY FIRE CHIEF. ADDITIONAL FIRE HYDRANTS REQUIRED ON A SITE MAY REQUIRE A LOOPED, ON—SITE FIRE HYDRANT MAIN. EASEMENTS WILL BE PROVIDED FOR ALL ON—SITE, PUBLIC, LOOPED WATER MAINS.
- 12. ALL IRRIGATION SERVICES SHALL BE INSTALLED WITH A STATE APPROVED, DOUBLE CHECK VALVE ASSEMBLY.
 WATER AND SEWER MAINS SHALL BE SEPARATED IN ACCORDANCE WITH SECTION C1—9.1 OF THE LATEST EDITION
 OF THE CRITERIA FOR SEWAGE WORKS DESIGN BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY.
- 13. THE DESIGN OF WATER MAINS AND APPURTENANCES IS SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF CLE ELUM DIRECTOR OF PUBLIC WORKS. THE DIRECTOR OF PUBLIC WORKS MAY, AT HIS DISCRETION, ADJUST THESE STANDARDS AS NECESSARY TO FACILITATE INSTALLATION OF WATER LINES AND APPURTENANCES FOR THE HEALTH, SAFETY, AND PROTECTION OF THE GENERAL PUBLIC.
- 14. ALL DOUBLE DETECTOR CHECK VALVE ASSEMBLIES SHALL CONFORM TO CITY OF CLE ELUM STANDARDS. INITIAL AND ANNUAL TESTING WILL BE REQUIRED.

SEWER STANDARD NOTES:

ALL EXTENSIONS TO THE SEWER SYSTEM SHALL CONFORM TO THE DESIGN STANDARDS OF THE CITY OF CLE ELUM AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS FOLLOWS:

- 1. ALL NEW LOTS AND DEVELOPMENTS SHALL BE SERVED BY A PUBLIC SANITARY SEWER LINE ADJACENT TO THE LOT OR DEVELOPMENT SITE.
- 2. SEWER LINES SHALL BE EXTENDED BY THE OWNER OR DEVELOPER TO THE POINT WHERE THE ADJOINING PROPERTY OWNER'S RESPONSIBILITY FOR FURTHER EXTENSION BEGINS. THIS TYPICALLY REQUIRES AN EXTENSION ACROSS THE ENTIRE FRONTAGE OF THE PROPERTY TO THE PROPERTY LINE OF THE ADJOINING OWNER. IN SOME CASES. IT WILL REQUIRE DEDICATION OF AN EASEMENT AND A LINE EXTENSION ACROSS THE PROPERTY OR EXTENSION ACROSS TWO OR MORE SIDE OF THE DEVELOPING PROPERTY. EXTENSIONS WILL BE CONSISTENT WITH AND IMPLEMENT THE CITY'S ADOPTED SEWER COMPREHENSIVE PLAN.
- 3. SEWER LINES SHALL BE LOCATED IN STREETS TO SERVE ABUTTING PROPERTIES. WHEN NECESSARY, SEWER LINES MAY BE LOCATED WITHIN PUBLIC EASEMENTS. LINES LOCATED IN STREETS WILL BE OFFSET FROM THE STREET CENTERLINE AND NOT LOCATED WITHIN VEHICLE WHEEL PATH. SEWER LINES LOCATED IN EASEMENTS SHALL GENERALLY BE LOCATED IN THE CENTER OF THE EASEMENT, BUT MAY, WITH THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS. BE OFFSET TO ACCOMMODATE THE INSTALLATION OF OTHER UTILITIES OR TO SATISFY SPECIAL CIRCUMSTANCES.
- 4. THE MINIMUM SIZE FOR PUBLIC SEWER MAINS IS EIGHT (8) INCHES IN DIAMETER. THE DEVELOPER'S SEWER SYSTEM MUST PROVIDE CAPACITY FOR THE PROPOSED DEVELOPMENT. BUT MUST ALSO PROVIDE CAPACITY FOR FUTURE EXTENSIONS.
- 5. SEWER LINES SHALL BE TERMINATED WITH A MANHOLE. IN SPECIAL CIRCUMSTANCES. A FLUSH—END (CLEAN—OUT) MAY BE INSTALLED ON THE END OF A SEWER MAIN EXTENSION, PROVIDED THE END IS NO FURTHER THAN 150 FEET FROM THE LAST MANHOLE AND THE SEWER MAIN LINE AND GRADE WILL PERMIT FURTHER EXTENSION.
- 6. MANHOLES SHALL BE INSTALLED AT INTERVALS OF NO GREATER THAN 400 FEET AND AT ALL VERTICAL AND HORIZONTAL ANGLE POINTS IN THE SEWER MAIN. EACH BUILDING CONTAINING SANITARY SEWER FACILITIES SHALL BE SERVED BY A SEPARATE PRIVATE SIDE SEWER LINE. BRANCHED SIDE SEWERS SERVING MULTIPLE BUILDINGS AND PROPERTIES SHALL NOT BE PERMITTED. SIDE SEWERS SERVING MULTI-UNIT BUILDINGS ARE PERMITTED.
- 7. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH THE UNIFORM PLUMBING CODE (UPC) AND SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF CLE ELUM BUILDING INSPECTOR. WATER AND SEWER LINES SHALL NOT BE LAID IN THE SAME TRENCH, EXCEPT AS PROVIDED IN SECTION 1008 OF THE UPC AND WITH WRITTEN APPROVAL OF THE CITY OF CLE ELUM BUILDING INSPECTOR.
- 8. SEWER LINES SHALL BE DESIGNED FOR GRAVITY FLOW OPERATION. LIFT STATIONS AND FORCE MAINS SHALL BE LIMITED TO THOSE LOCATIONS AND CIRCUMSTANCES WHERE THEY ARE CONSISTENT WITH THE COMPREHENSIVE SEWER PLAN AND ARE THE ONLY VIABLE SOLUTION TO SERVE THE PROPOSED DEVELOPMENT AND OTHER PROPERTIES IN THE VICINITY. LIFT STATIONS AND FORCE MAINS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON.
- 9. THE DESIGN OF SEWER MAINS AND APPURTENANCES IS SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF CLE ELUM DIRECTOR OF PUBLIC WORKS. THE DIRECTOR OF PUBLIC WORKS MAY. AT HIS DISCRETION, ADJUST THESE STANDARDS AS NECESSARY TO FACILITATE INSTALLATION OF SEWER LINES AND APPURTENANCES FOR THE HEALTH, SAFETY, AND PROTECTION OF THE GENERAL PUBLIC.

STORM STANDARD NOTES:

ALL CITY OF CLE ELUM STORM SEWER IMPROVEMENTS SHALL CONFORM TO THE FOLLOWING DESIGN STANDARDS OF THE CITY:

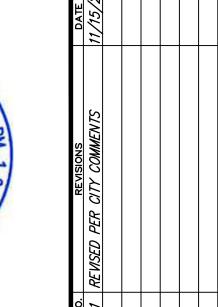
- 1. STORM RUNOFF OCCURRING ON ALL NEW LOTS AND DEVELOPMENTS (PRIVATE PROPERTY) SHALL BE RETAINED AND DISPOSED OF ONSITE. NO STORM RUNOFF WILL BE ALLOWED TO ENTER PUBLIC PROPERTY OR PUBLIC STORM DRAINAGE SYSTEM.
- 2. STORM DRAINAGE FACILITIES SHOWN ON THESE PLANS, INCLUDING BIORETENTION AREAS AND INFILTRATION FACILITIES WILL BE OWNED AND MAINTAINED BY THE CITY OF CLE ELUM.
- 3. STORM RUNOFF FOR NEW PUBLIC STREETS SHALL BE DESIGNED AND CONSTRUCTED AS REQUIRED TO THE POINT WHERE THE ADJOINING PROPERTY OWNER'S RESPONSIBILITY FOR FURTHER EXTENSION BEGINS. THIS TYPICALLY REQUIRES AN EXTENSION ACROSS THE ENTIRE FRONTAGE OF THE PROPERTY TO THE PROPERTY LINE OF THE ADJOINING OWNER.
- 4. ALL STORM SEWER DESIGNS FOR NEW PUBLIC STREETS SHALL BE BASED UPON AN ENGINEERING ANALYSIS WHICH TAKES INTO ACCOUNT TOTAL DRAINAGE AREAS, RUNOFF RATES, PIPE AND INLET CAPACITIES, AND ANY OTHER FACTORS PERTINENT TO THE DESIGN.
- 5. ALL NEW STORM DRAINAGE FACILITIES, PUBLIC OR PRIVATE, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON. COMPLETE STORM WATER RUNOFF AND DRAINAGE FACILITIES SIZING CALCULATIONS SHALL BE SUBMITTED TO THE CITY OF CLE ELUM FOR REVIEW AND COMMENT.
- 6. STORM SEWER FACILITIES AND PIPELINES SHALL BE DESIGNED TO MEET A MINIMUM 10—YEAR STORM* CRITERIA. SMALL PRIVATE DEVELOPMENTS MAY BE DESIGNED TO ACCOMMODATE 1—INCH OF PRECIPITATION OVER THE ON—SITE IMPERVIOUS SURFACES. SMALL DEVELOPMENTS ARE DEFINED TO BE 20,000 SF OR LESS OF IMPERVIOUS SURFACE AREA. IMPERVIOUS SURFACES MUST BE CLEARLY NOTED AND SHOWN ON THE PROJECT SITE PLAN. *THIS DEVELOPMENT HAS BEEN DESIGNED TO FULLY INFILTRATE THE 25 YEAR STORM.
- 7. ALL STORM WATER FACILITIES SHALL HAVE OIL AND SILT SEPARATION.
- 8. INLET SPACING SHALL BE DESIGNED IN ACCORDANCE WITH THE WSDOT HYDRAULICS MANUAL, CHAPTER 5. GENERALLY, INLET SPACING SHALL NOT EXCEED 300 FEET. THERE SHALL BE INSTALLED A MANHOLE OR TYPE II CATCH BASIN AT THE INTERSECTION OF TWO COLLECTOR STORM SEWERS. A COLLECTOR STORM SEWER IS A SEWER SERVICING MORE THAN ONE CATCH BASIN.

STREET STANDARD NOTES:

ALL NEW STREET CONSTRUCTION MUST CONFORM TO THESE DESIGN STANDARDS OF THE CITY OF CLE ELUM AND THE CLE ELUM MUNICIPAL CODE:

- 1. THE MAXIMUM LENGTH OF A CUL—DE—SAC STREET SHALL BE 600 FEET MEASURED ALONG THE STREET CENTERLINE FROM THE NEAREST STREET INTERSECTION TO THE CENTER OF THE CUL—DE—SAC.
- 2. CEMENT CONCRETE BARRIER CURB SHALL BE INSTALLED ALONG ALL NEW STREETS, ROLLED CURB MAY BE PERMITTED ALONG CERTAIN RESIDENTIAL STREETS AS DETERMINED BY THE CITY PUBLIC WORKS DIRECTOR. IF ROLLED CURB IS ALLOWED, BARRIER CURB MUST BE INSTALLED AROUND ALL NEW RADII. NEW SIDEWALKS BEHIND ROLLED CURB SHALL BE A MINIMUM OF 6 INCHES THICK.
- 3. SIDEWALKS SHALL BE CONSTRUCTED ON BOTH SIDES OF ALL NEW STREETS. IF THE DEVELOPER BELIEVES THERE ARE SPECIAL CIRCUMSTANCES WHEREBY THE CONSTRUCTION OF SIDEWALK ON ONE SIDE SHOULD BE DEFERRED, HE MAY MAKE A WRITTEN REQUEST TO THE CITY PUBLIC WORKS DIRECTOR.
- 4. NEW STREET LIGHTING SHALL BE DESIGNED TO PROVIDE REQUIRED LEVELS OF LIGHTING BASED UPON STREET CLASSIFICATION AND LOCATION AS DETERMINED BY THE CITY OF CLE ELUM. AT A MINIMUM, A STREET LIGHT SHALL BE INSTALLED AT EACH STREET INTERSECTION, AT MID BLOCK, NO MORE THAN THREE HUNDRED (300) FEET APART, AND AT ENDS OF CUL—DE—SACS. STREETLIGHTS SHALL MEET THE DESIGN AND PLACEMENT REQUIREMENTS OF THESE STANDARDS AND THE CITY PUBLIC WORKS DIRECTOR. ALL ELECTRICAL PANELS WILL BE DESIGNED TO CITY OF CLE ELUM STANDARDS.







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GENERAL NOTES

LIFROG FLATS - PHAS

BULLFROG FLATS, LI

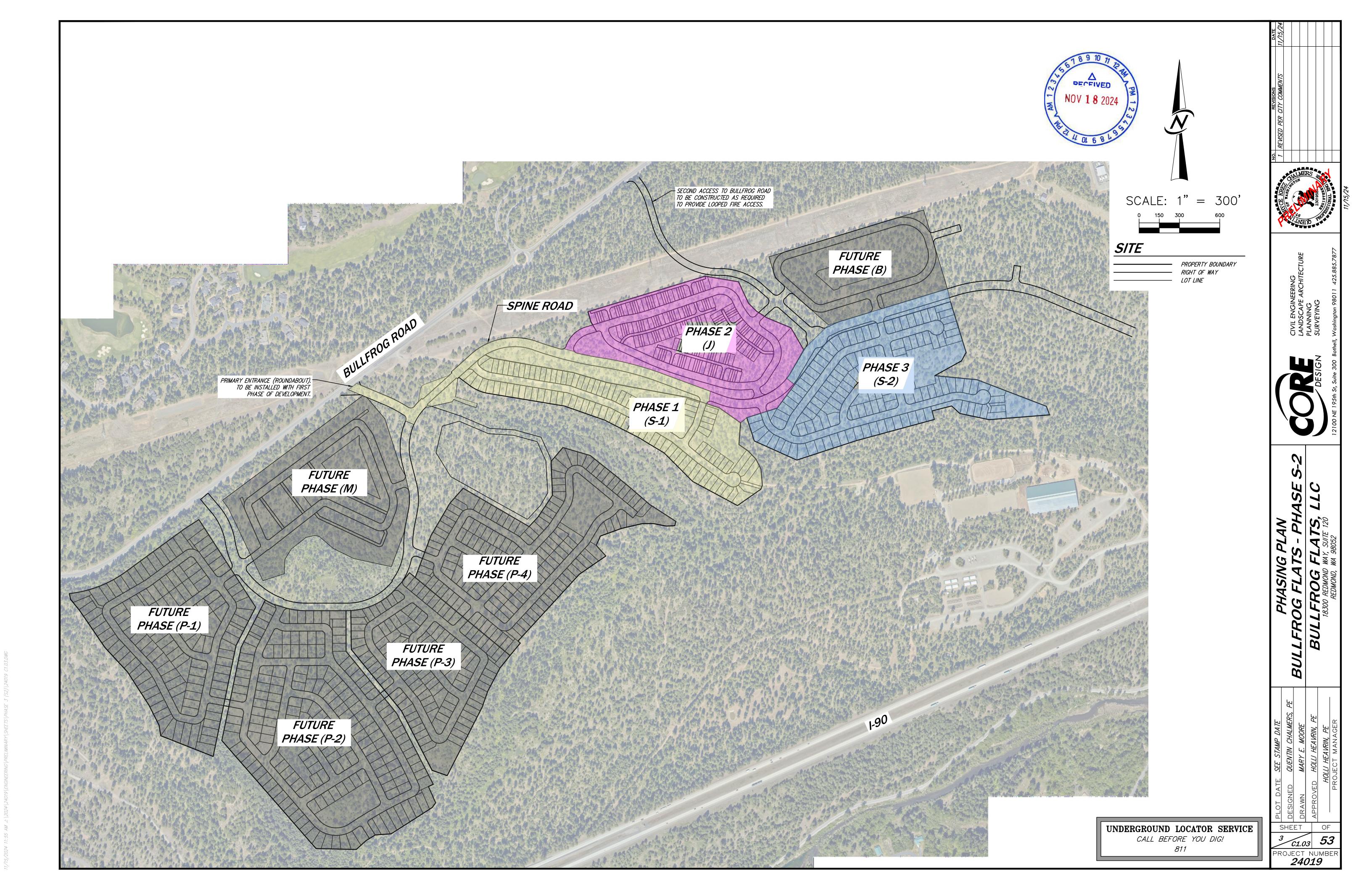
SIGNED QUENTIN CHALMERS, PE
RAWN MARY E. MOORE
PPROVED HOLL! HEAVRIN, PE
PROJECT MANAGER

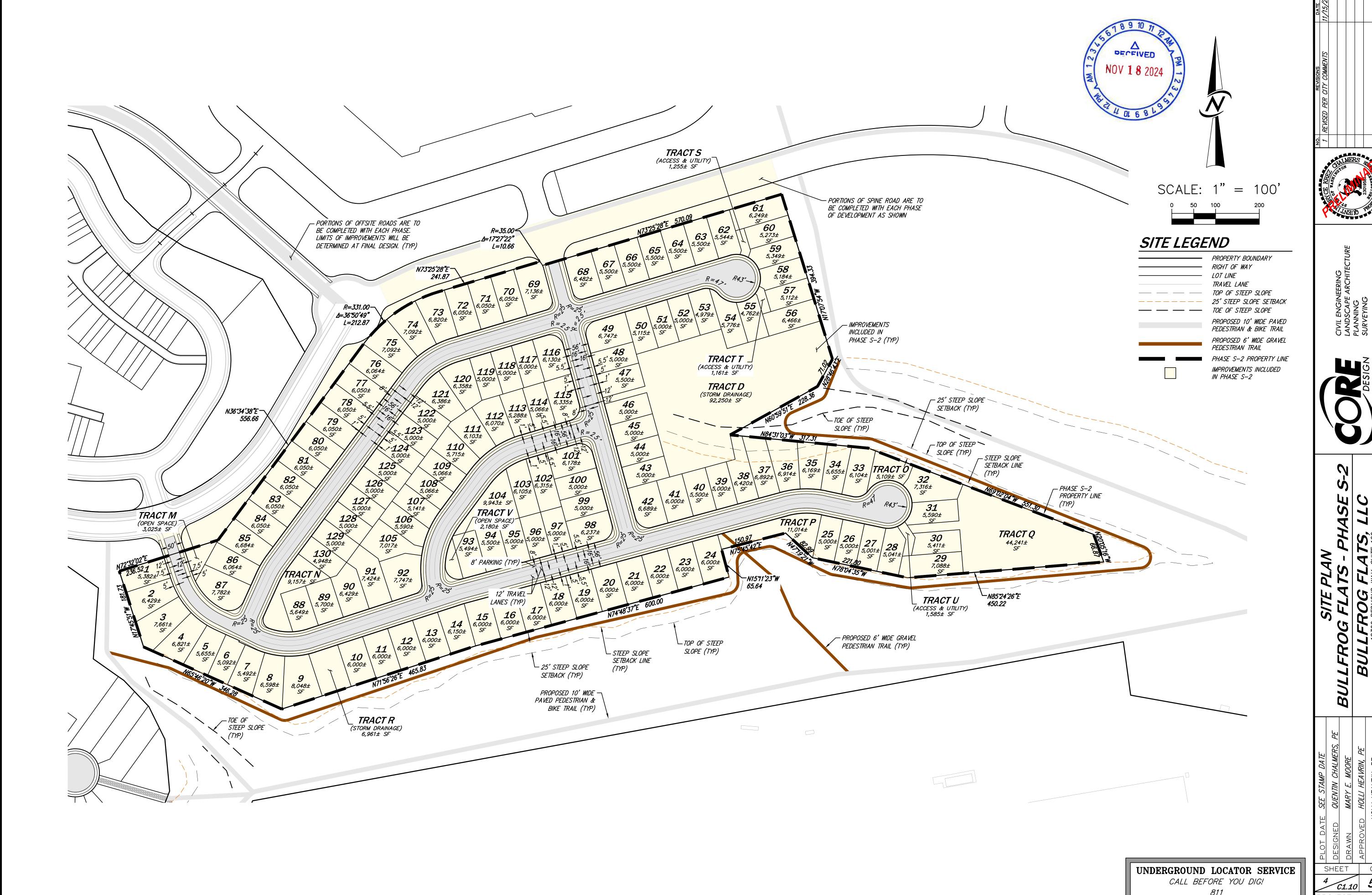
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UNDERGROUND LOCATOR SERVICE

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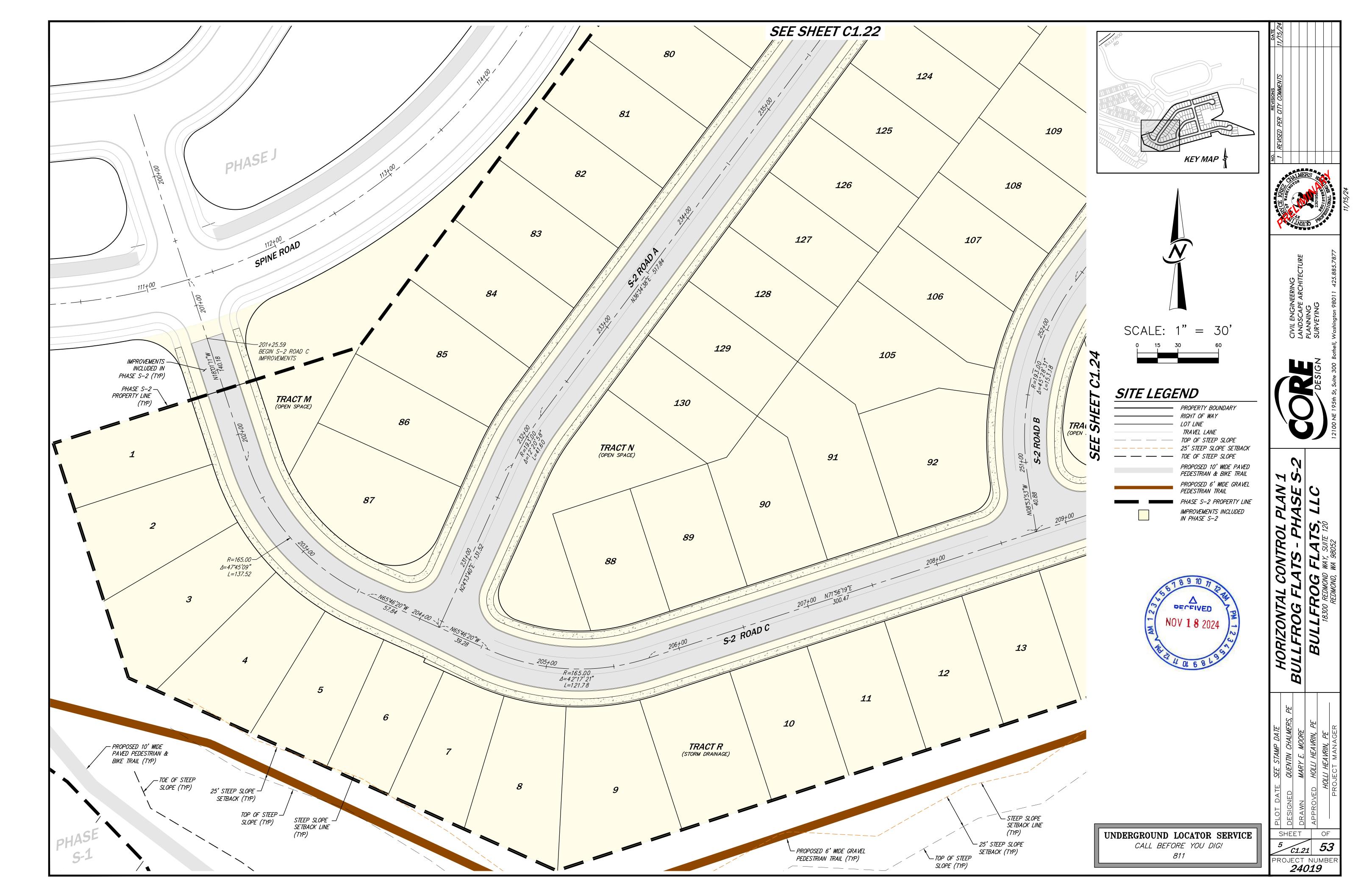
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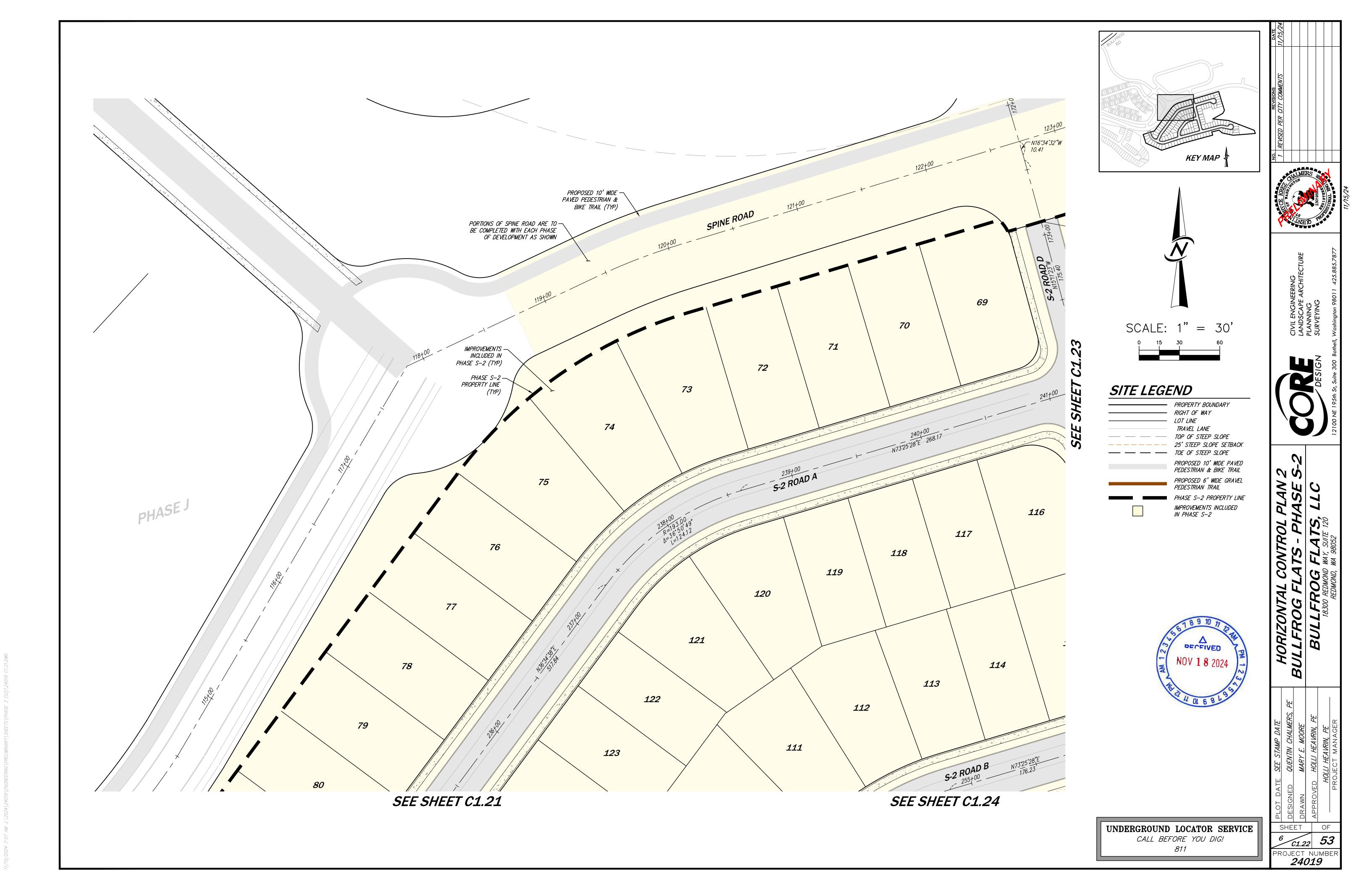


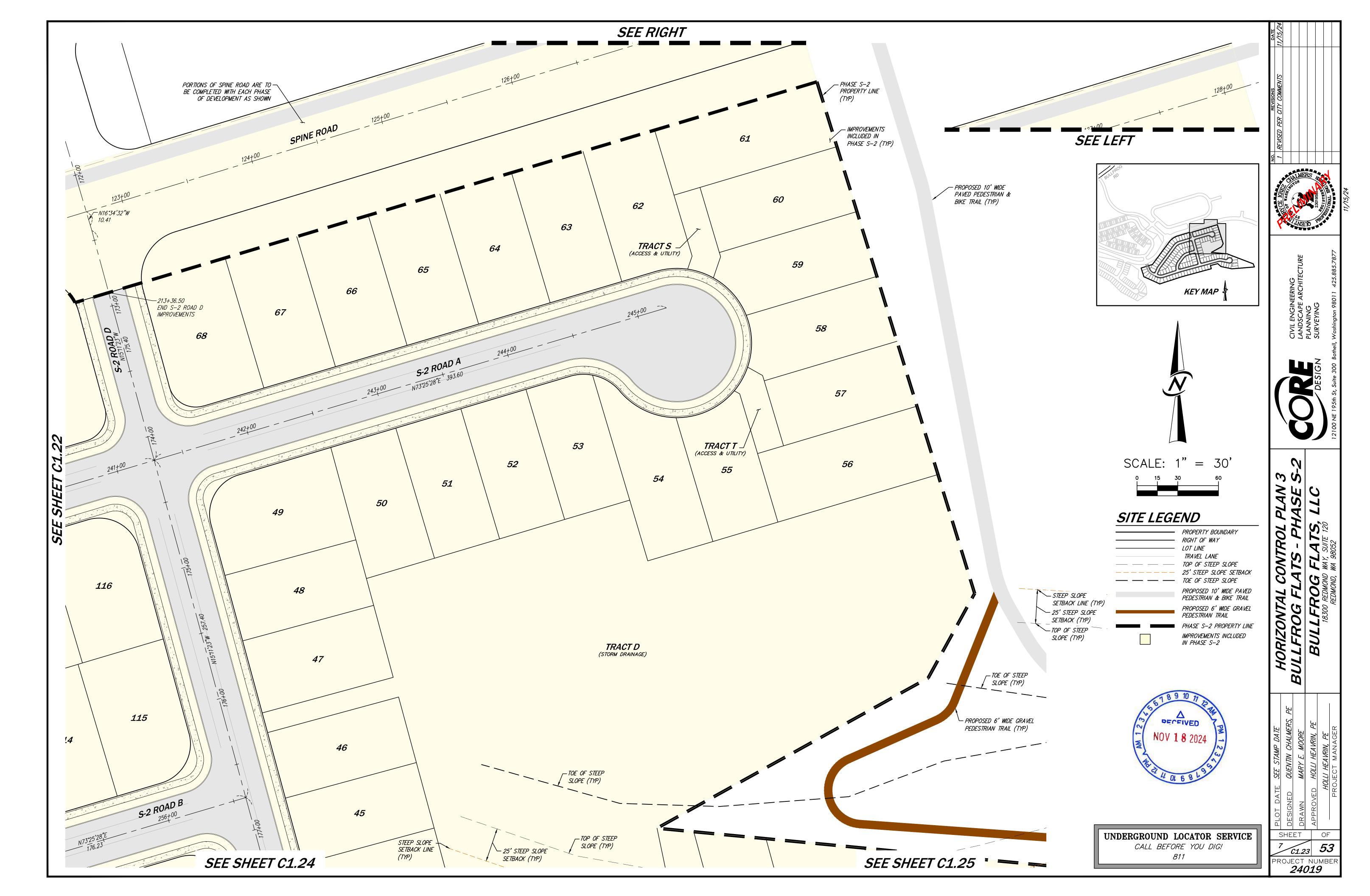


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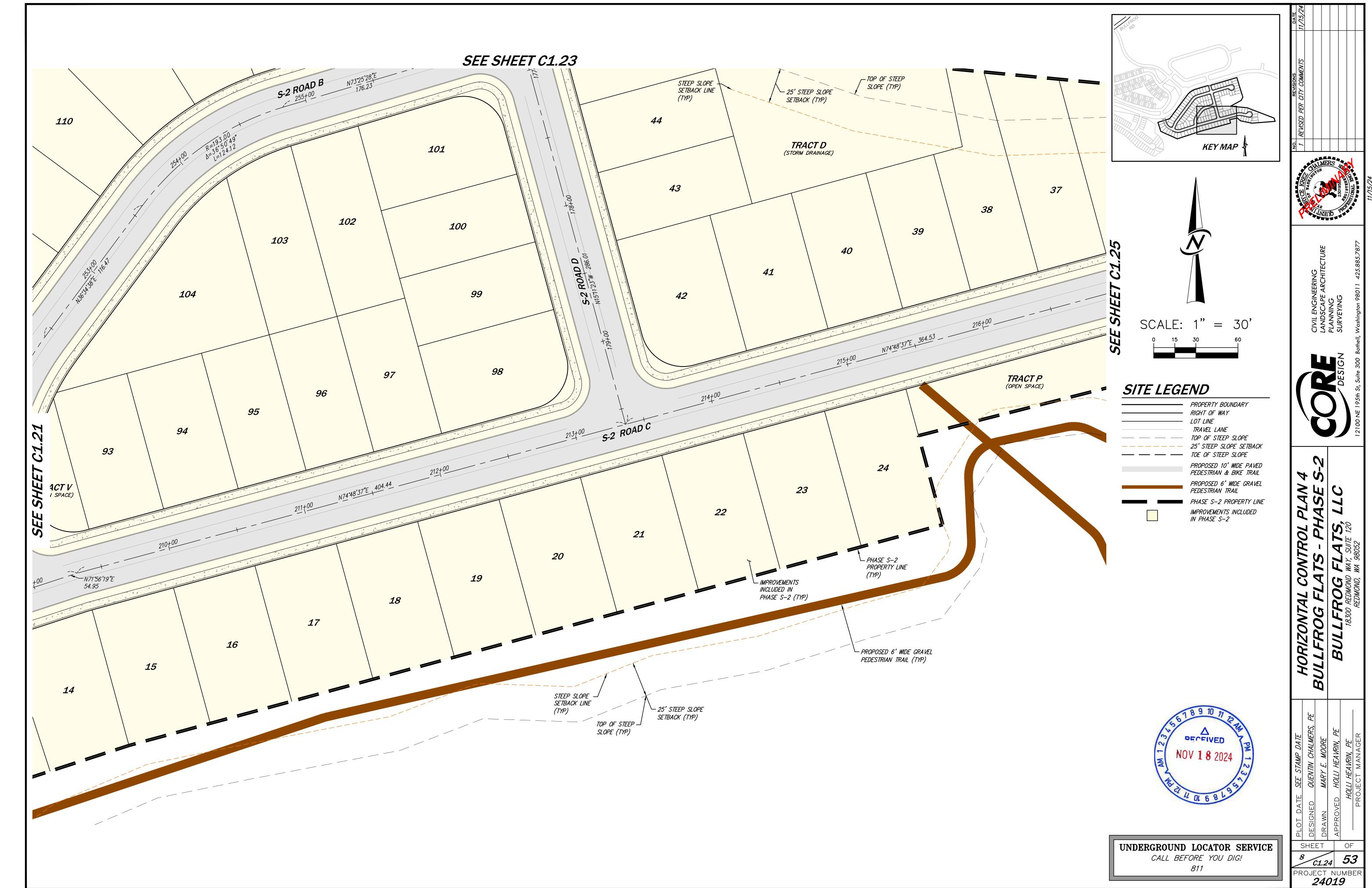


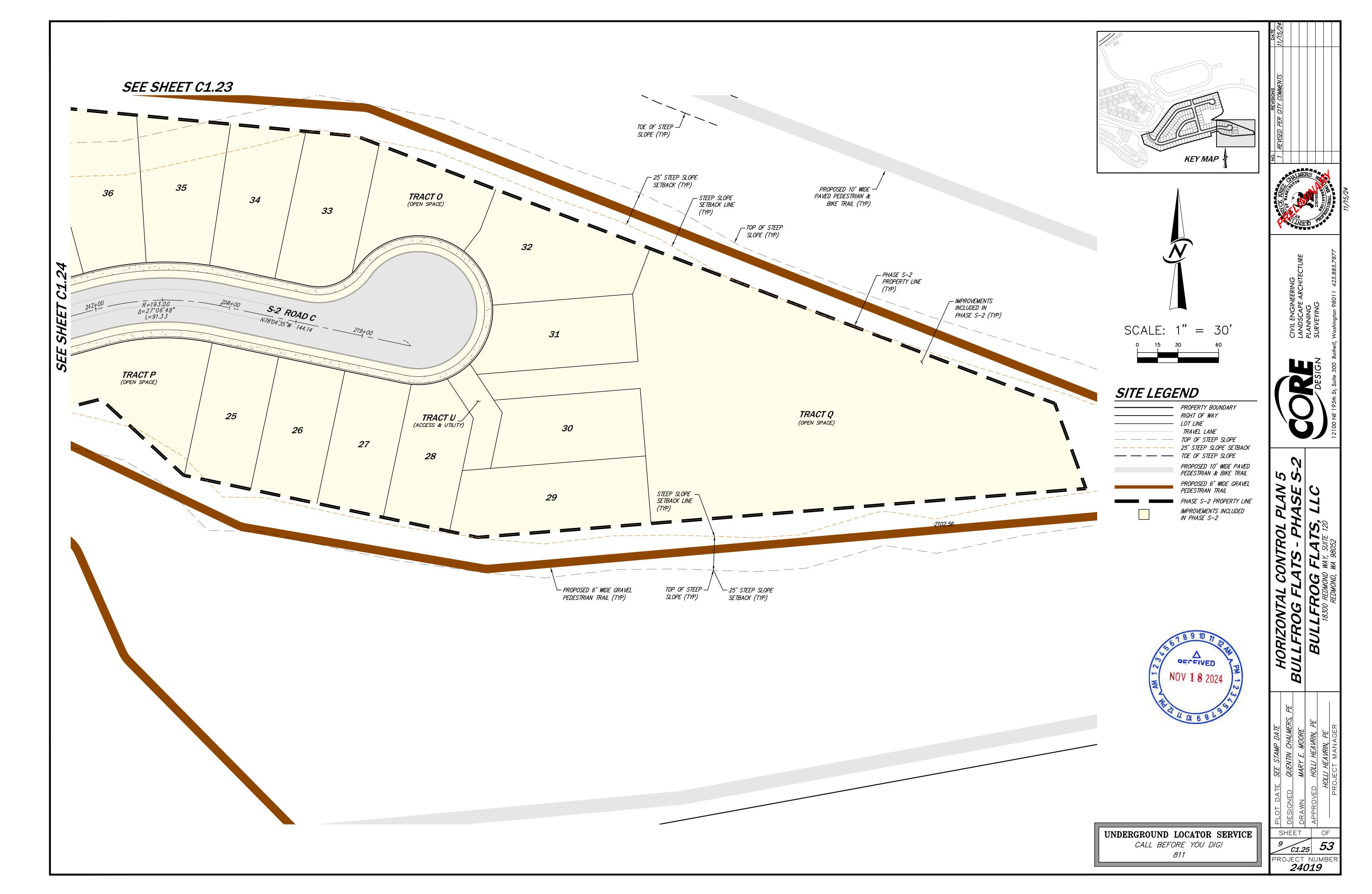
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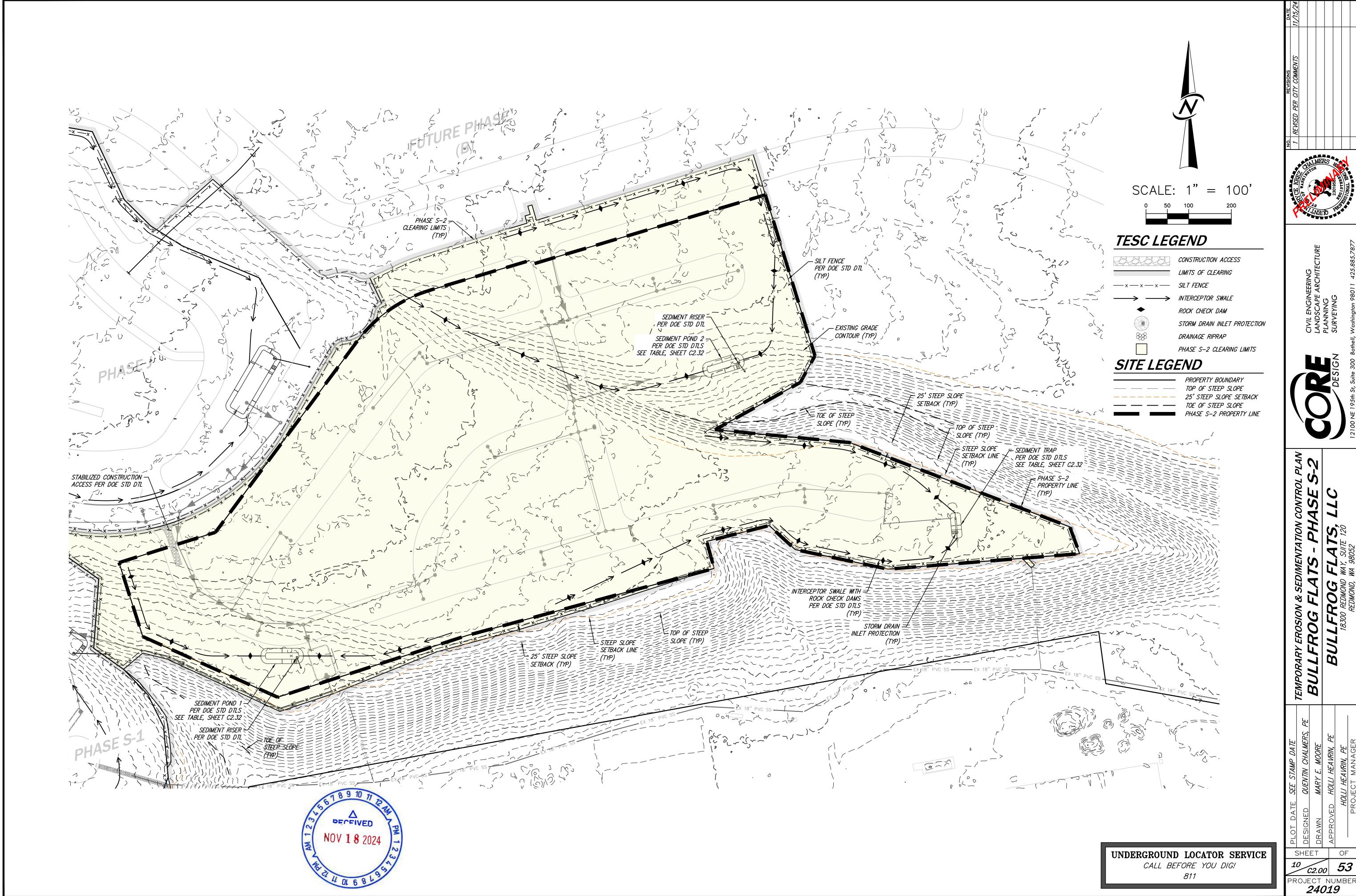


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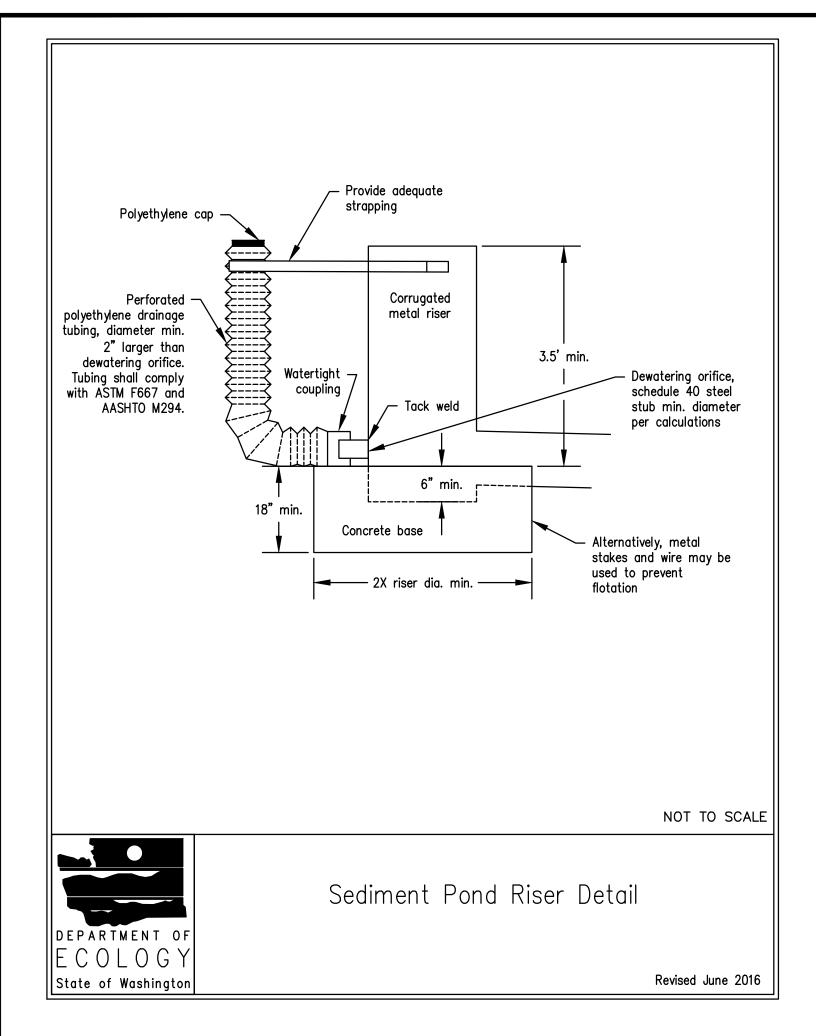


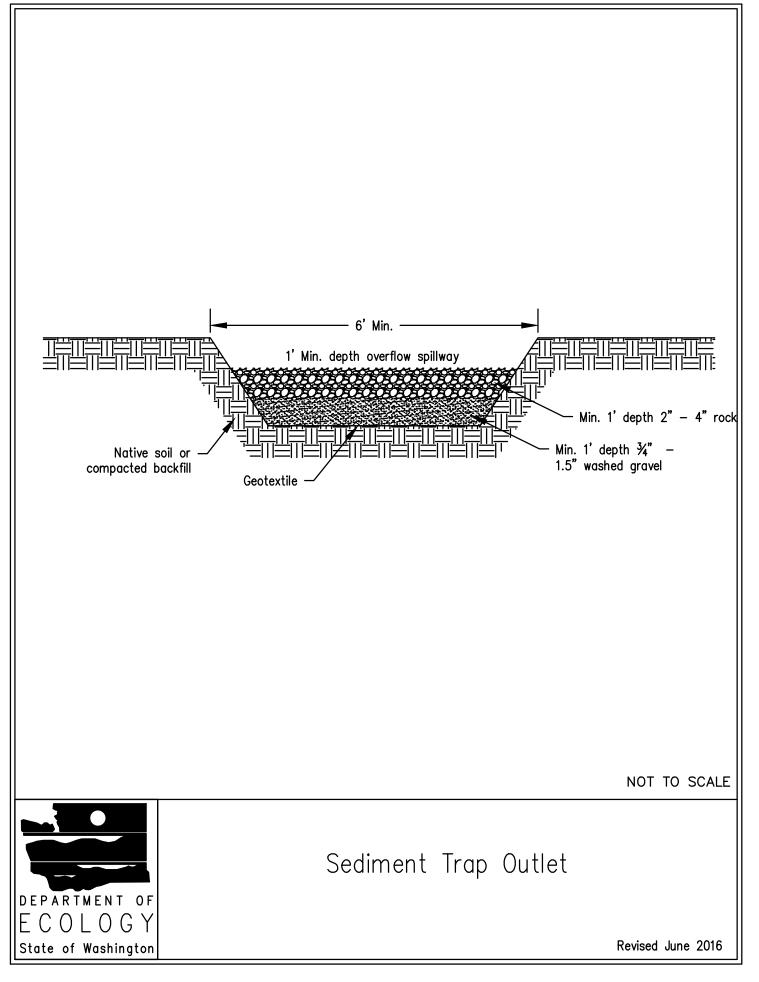
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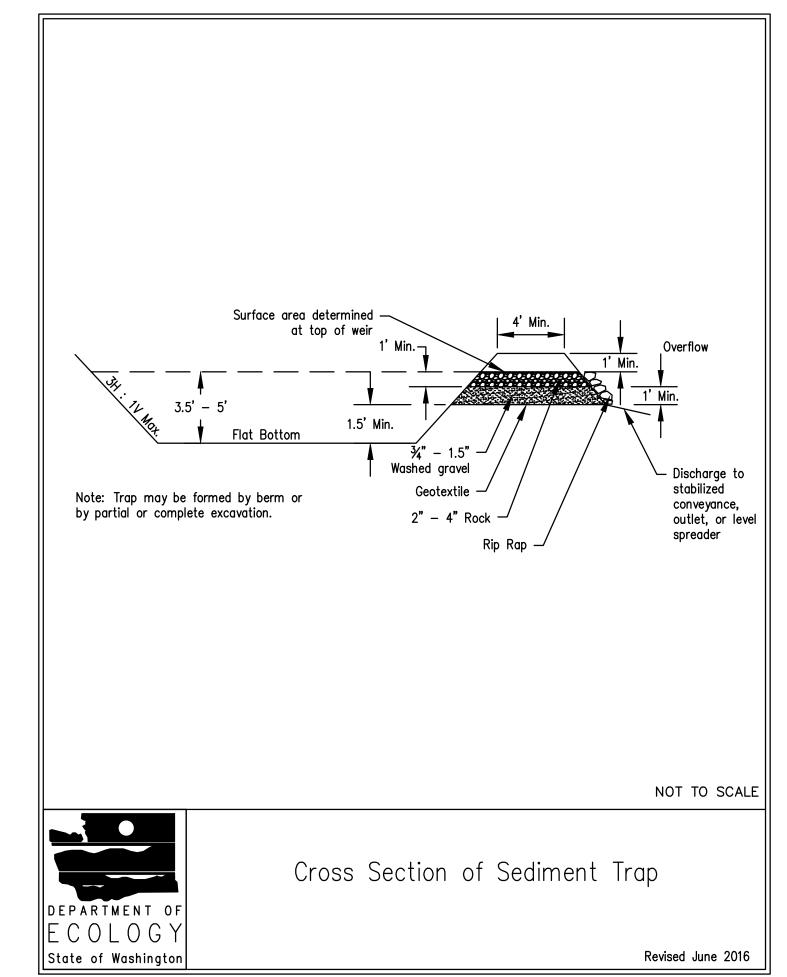




10 c2.00 **53**







BMP C241: Sediment Pond 1 Properties			
Impervious Tributary Area	3.00 ac		
Pervious Tributary Area	0.00 ac		
2-yr 24 hr Storm Precip.	1.74 in		
10-yr 24 hr Storm Precip.	2.90 in		
100-yr 24 hr Storm Precip.	4.64 in		
2-yr 24 hr Flow Rate	1.17 cfs		
10-yr 24 hr Flow Rate	2.02 cfs		
100-yr 24 hr Flow Rate	3.28 cfs		
Riser Diameter	12 in		
Dewatering Orifice Diameter	2.25 in		
Emergency Overflow Spillway Length	6.0'		
Required Pond Surface Area	2,438 sf		
Approx. Dimension at W.S. (L x W)	86' x 29'		
Riser Depth	3.5'		
Freeboard	1.0'		
<u> </u>			

BMP C241: Sediment Pond 2 Properties		
Impervious Tributary Area	3.36 ac	
Pervious Tributary Area	0.00 ac	
2-yr 24 hr Storm Precip.	1.74 in	
10-yr 24 hr Storm Precip.	2.90 in	
100-yr 24 hr Storm Precip.	4.64 in	
2-yr 24 hr Flow Rate	1.31 cfs	
10-yr 24 hr Flow Rate	2.26 cfs	
100-yr 24 hr Flow Rate	3.68 cfs	
Riser Diameter	12 in	
Dewatering Orifice Diameter	2.25 in	
Emergency Overflow Spillway Length	6.0'	
Required Pond Surface Area	2,729 sf	
Approx. Dimension at W.S. (L x W)	91' x 31'	
Riser Depth	3.5'	
Freeboard	1.0'	

BMP C240: Sediment Trap Properties		
Impervious Tributary Area	.89 ac	
Pervious Tributary Area	0.00 ac	
2-yr 24 hr Storm Precip.	1.74 in	
10-yr 24 hr Storm Precip.	2.90 in	
100-yr 24 hr Storm Precip.	4.64 in	
2-yr 24 hr Flow Rate	0.35 cfs	
10-yr 24 hr Flow Rate	0.60 cfs	
100-yr 24 hr Flow Rate	0.97 cfs	
Riser Diameter	-	
Dewatering Orifice Diameter	-	
Emergency Overflow Spillway Length	6.0'	
Required Pond Surface Area	729 sf	
Approx. Dimension at W.S. (L x W)	47' x 16'	
Riser Depth	3.5'	
Freeboard	1.0'	



UNDERGROUND LOCATOR SERVICE
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PLOT DATE SEE STAMP DATE

DESIGNED QUENTIN CHALMERS, P

DRAWN MARY E. MOORE

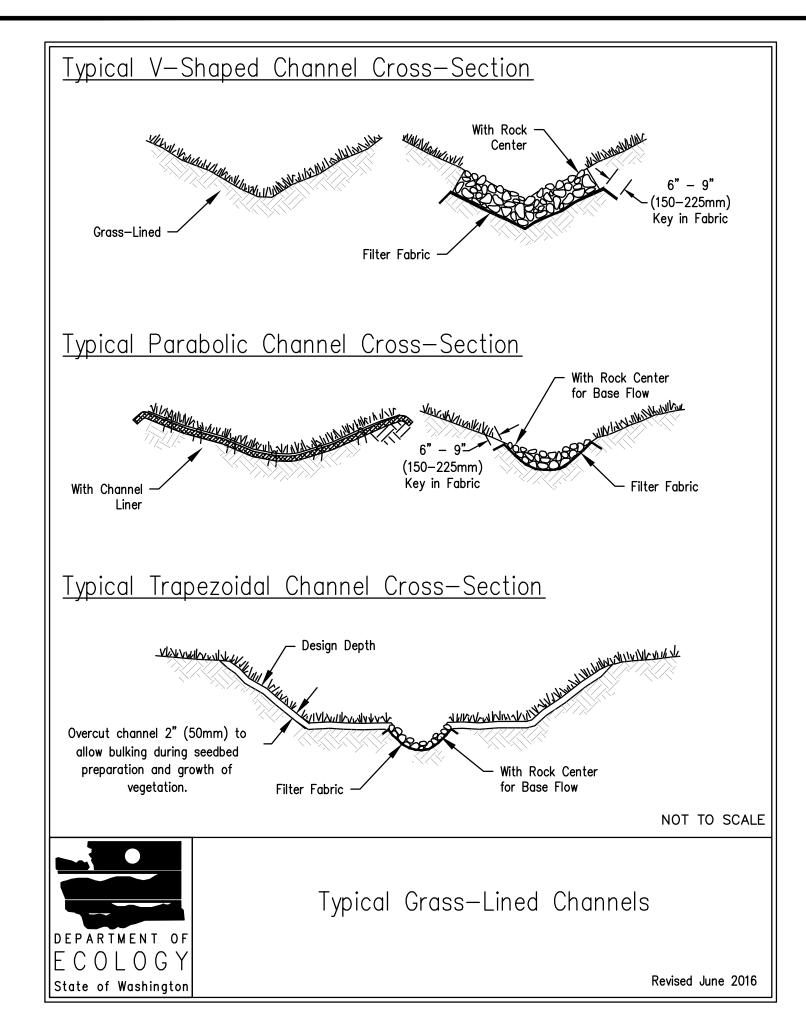
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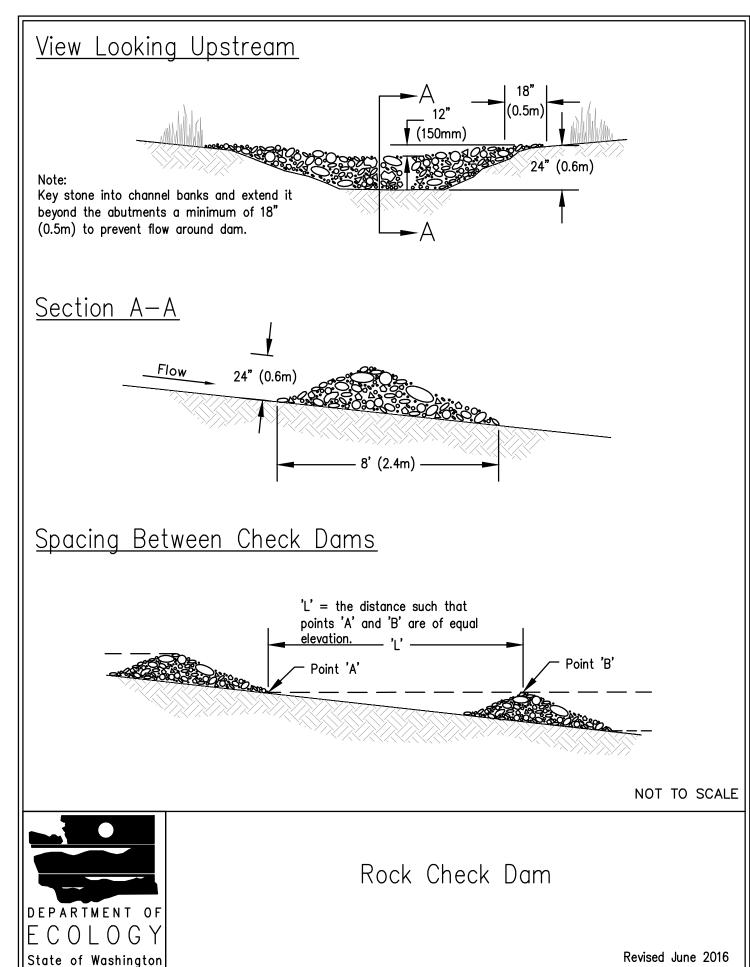
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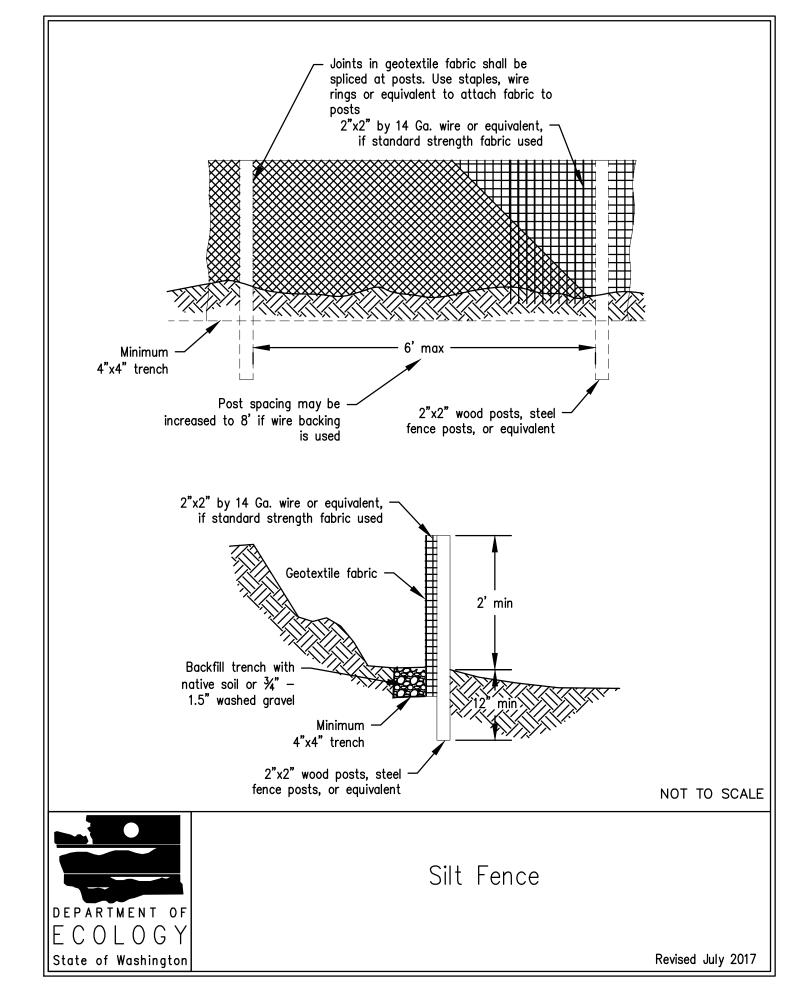
PROJECT MANAGER

PROJECT NUMBER **24019**

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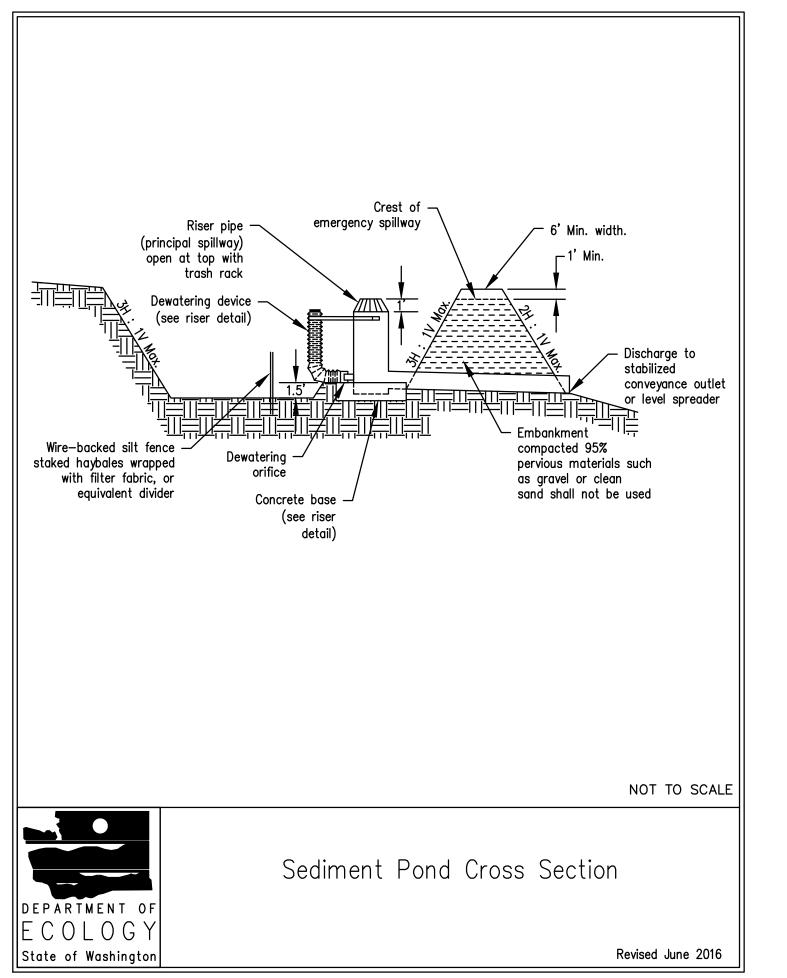
DETAILS S-2

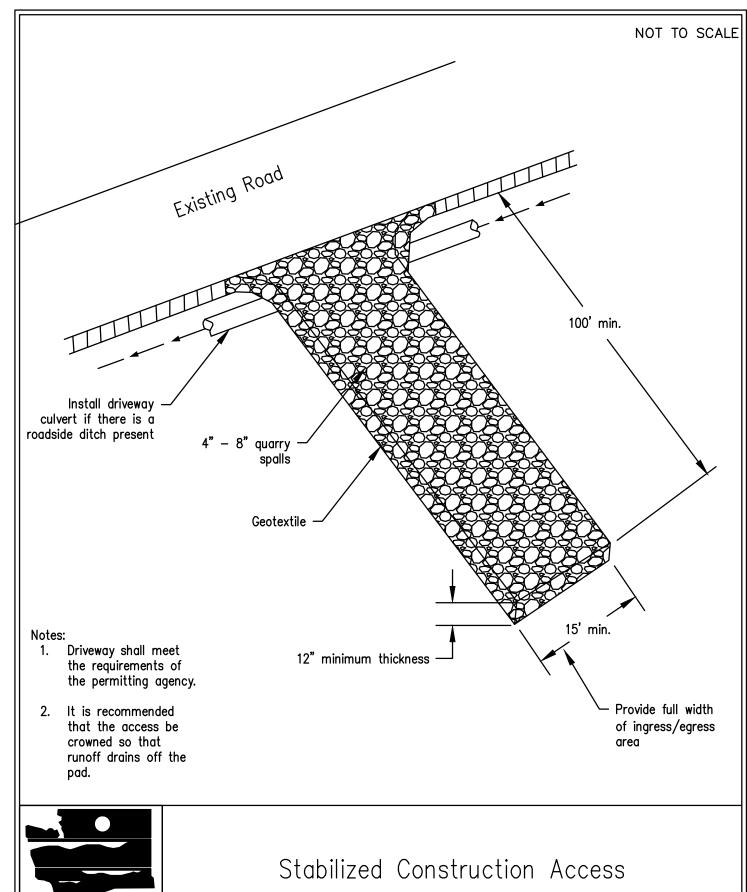
15E 1SE 1C

SHEET 12 C2.31 *53*

24019

Key divider into slope to \frown prevent flow around sides - Emergency overflow spillway The pond length shall — be 3 to 6 times the maximum pond width -Discharge to stabilized conveyance, outlet, or level spreader Silt fence or equivalent divider Note: Pond may be formed by berm or by partial or complete NOT TO SCALE Sediment Pond Plan View DEPARTMENT O ECOLOGY State of Washington







Revised June 2018

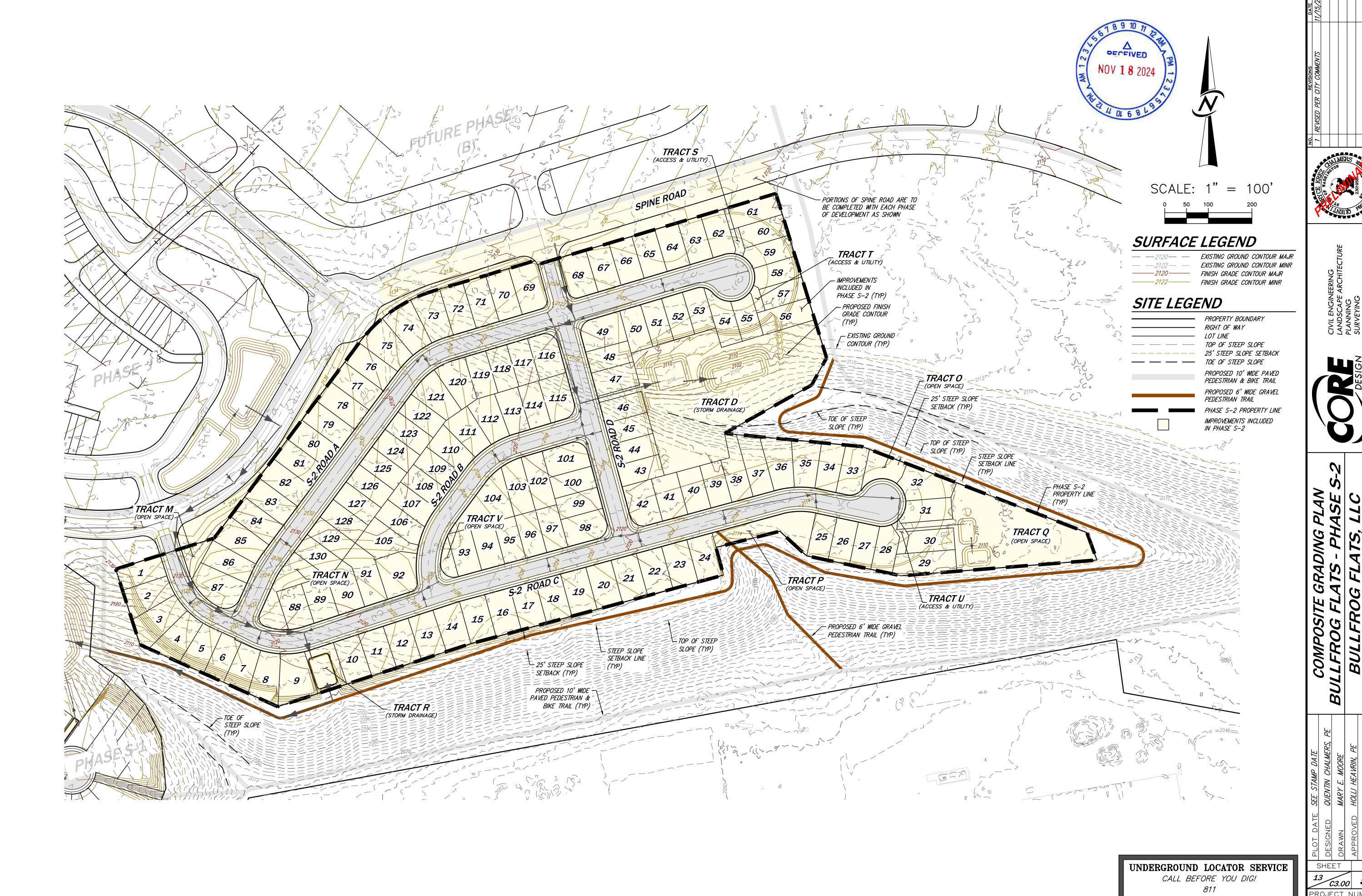
Revised June 2016

DEPARTMENT OF

ECOLOGY

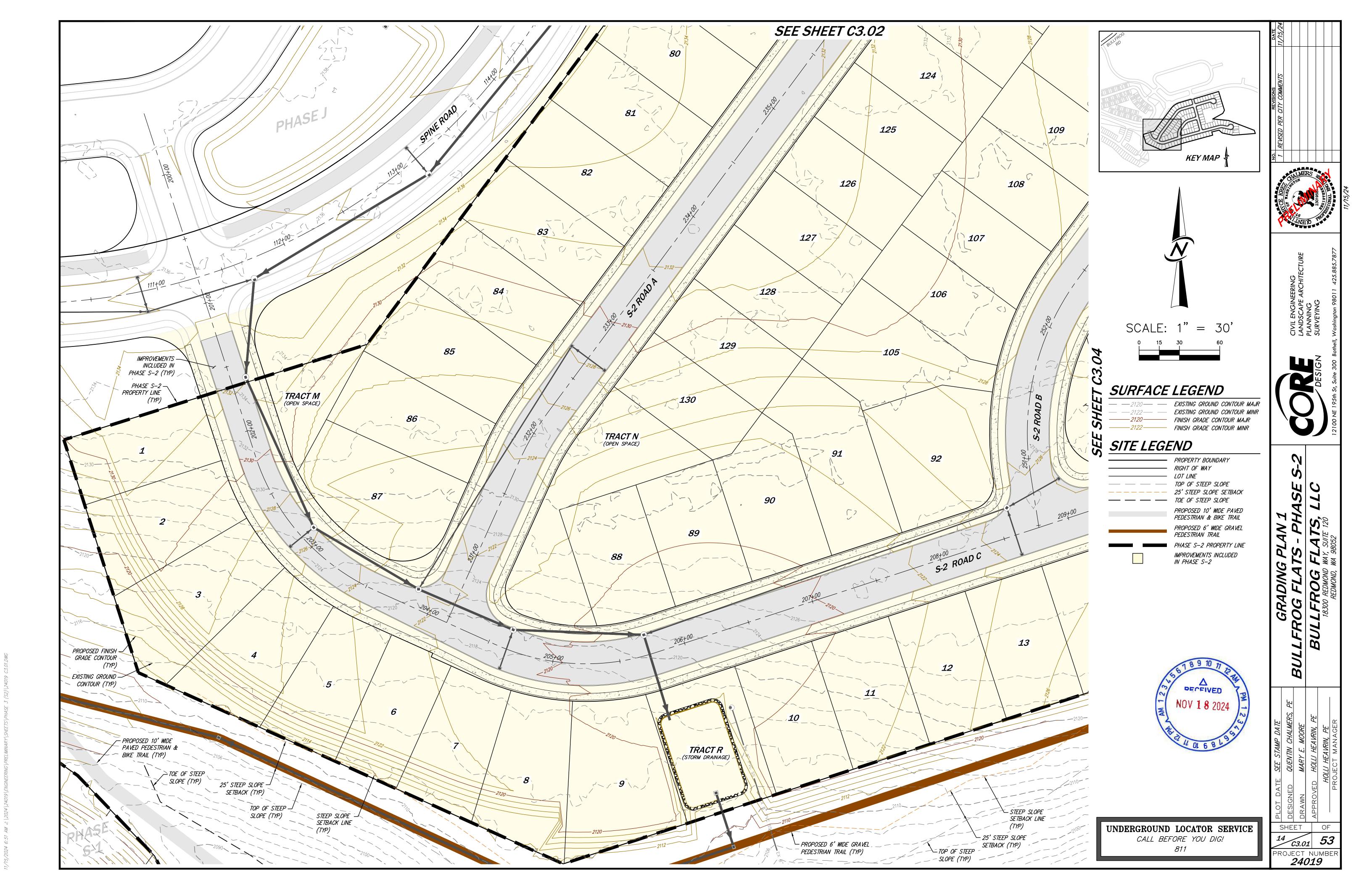
State of Washington

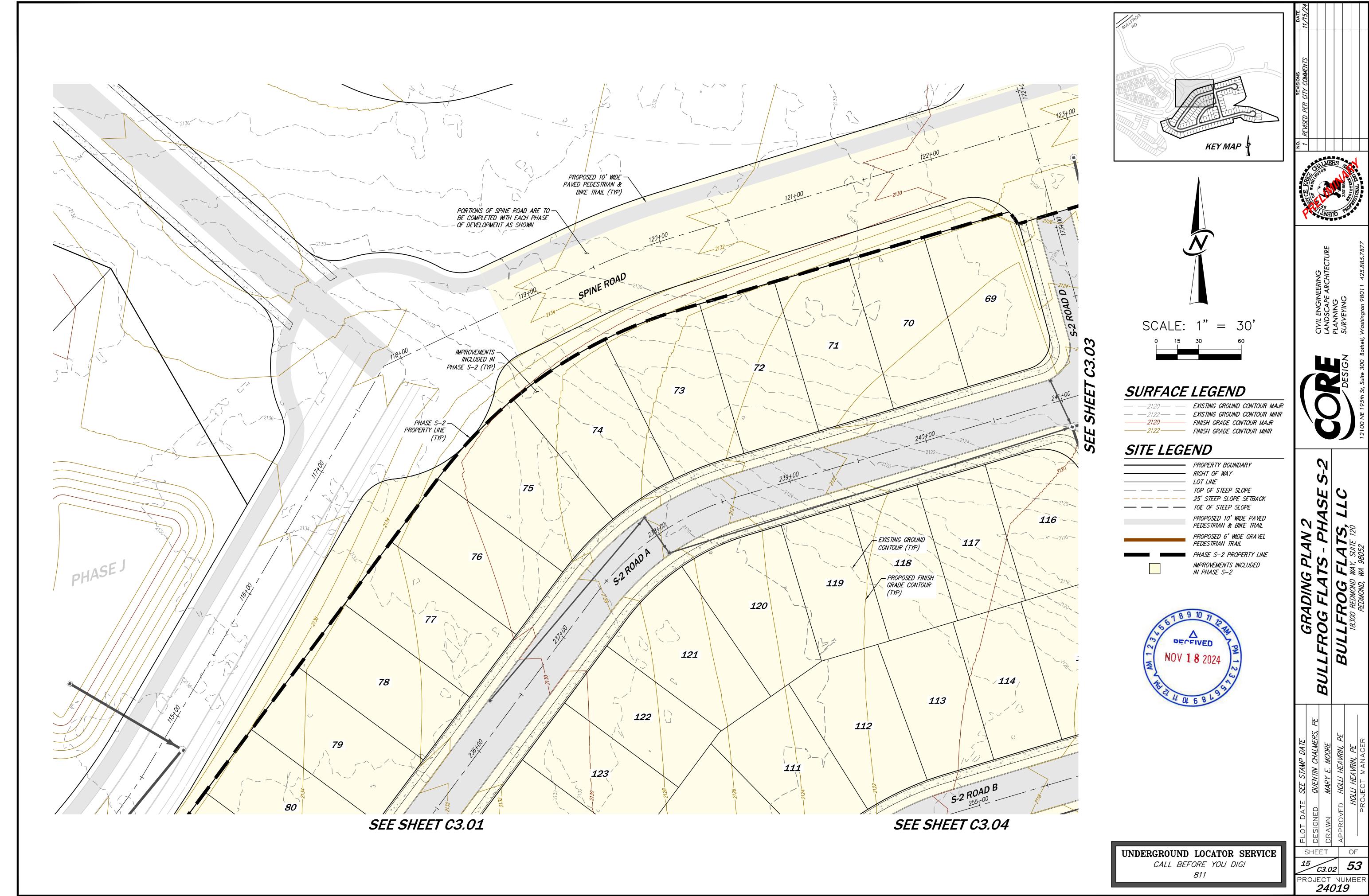
UNDERGROUND LOCATOR SERVICE CALL BEFORE YOU DIG!

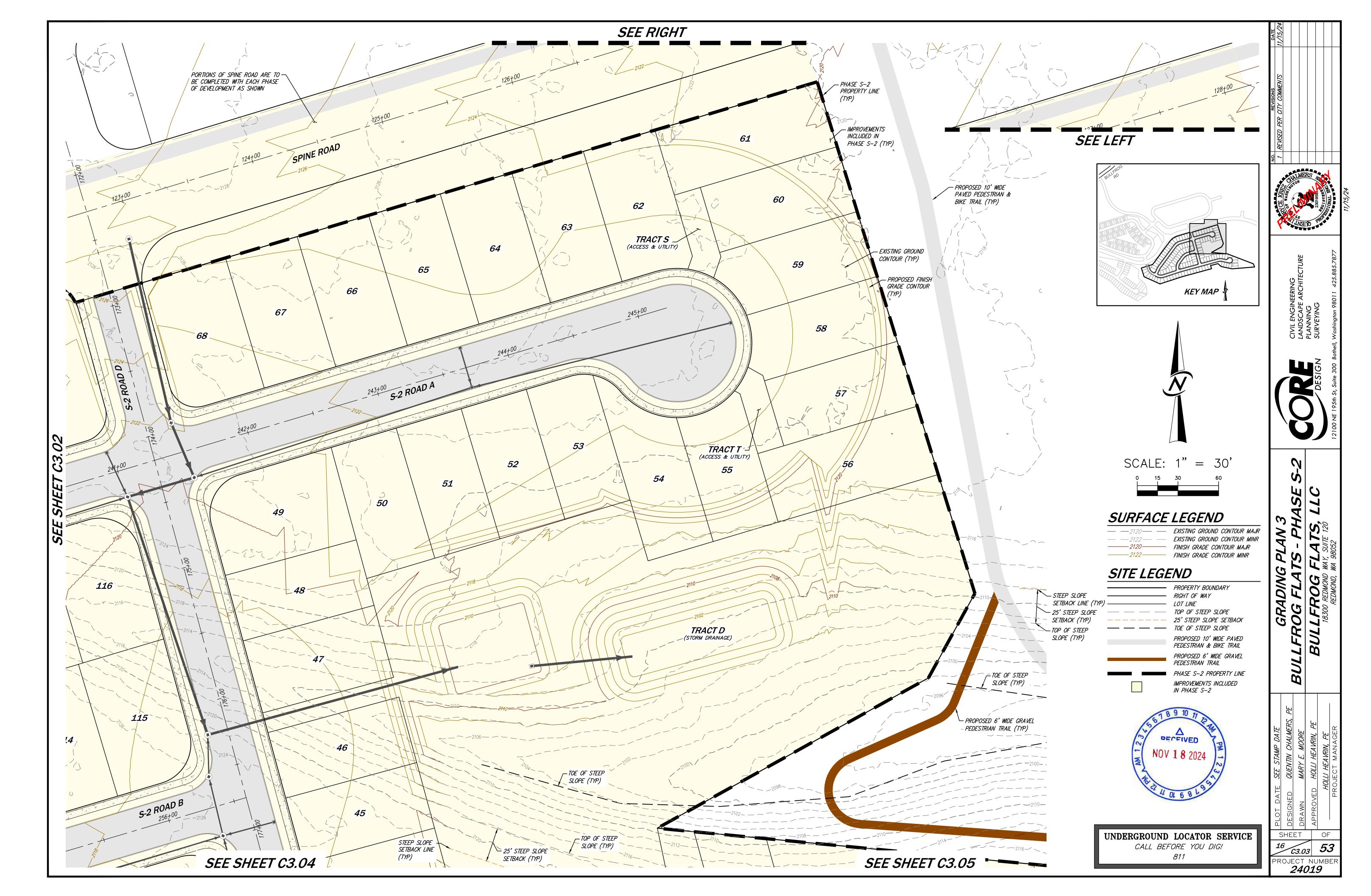




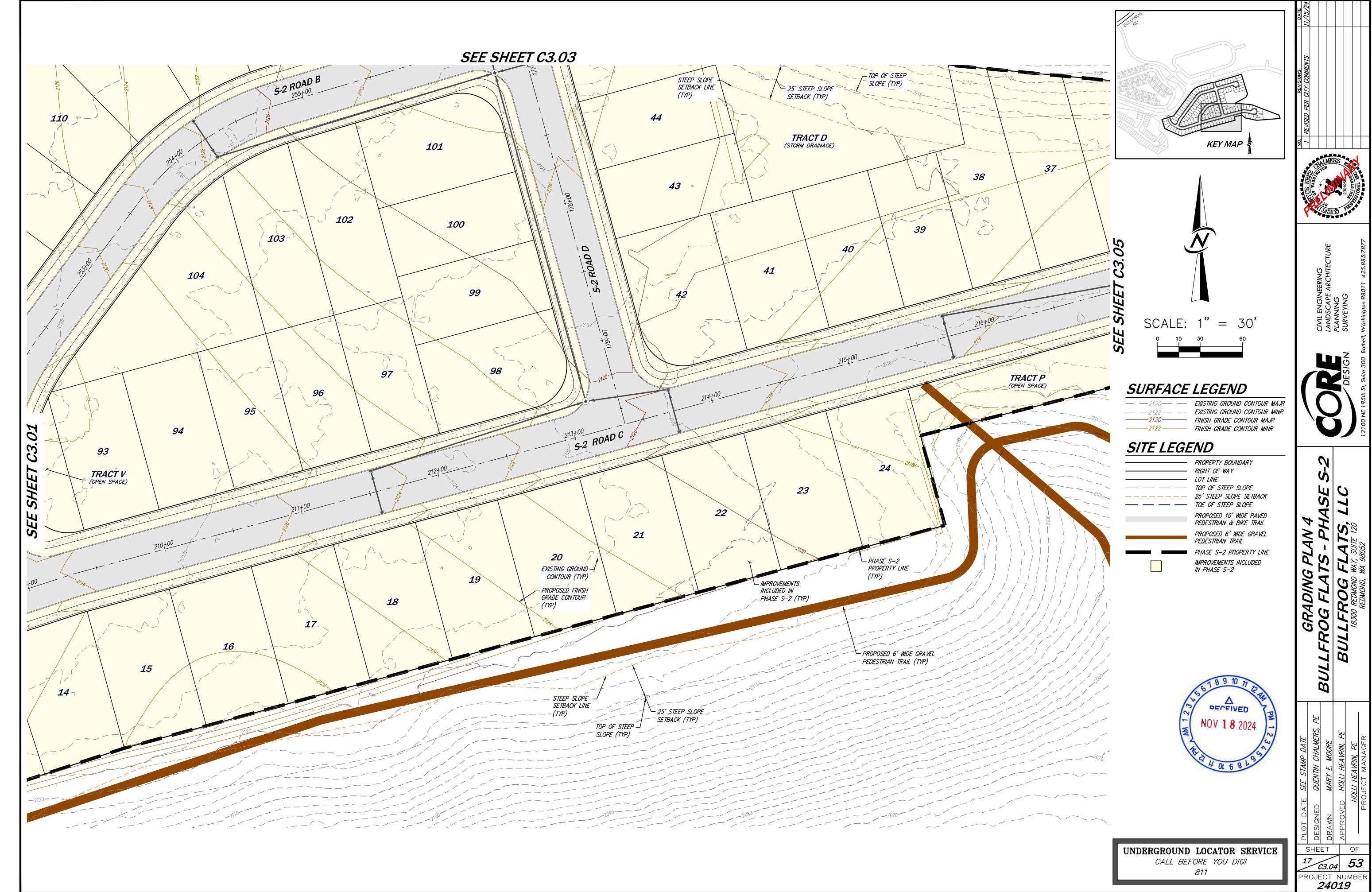
13 C3.00 **53**

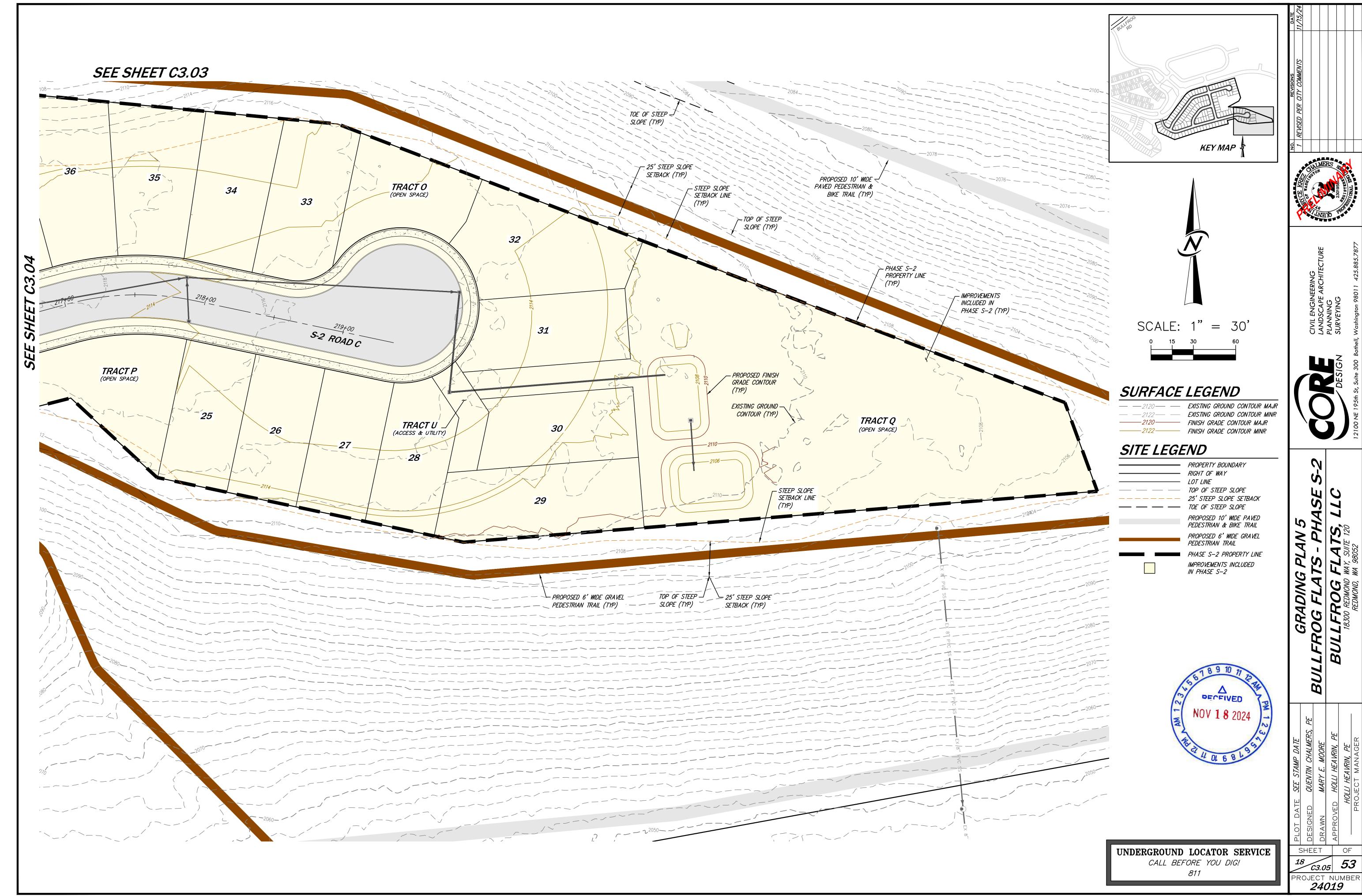


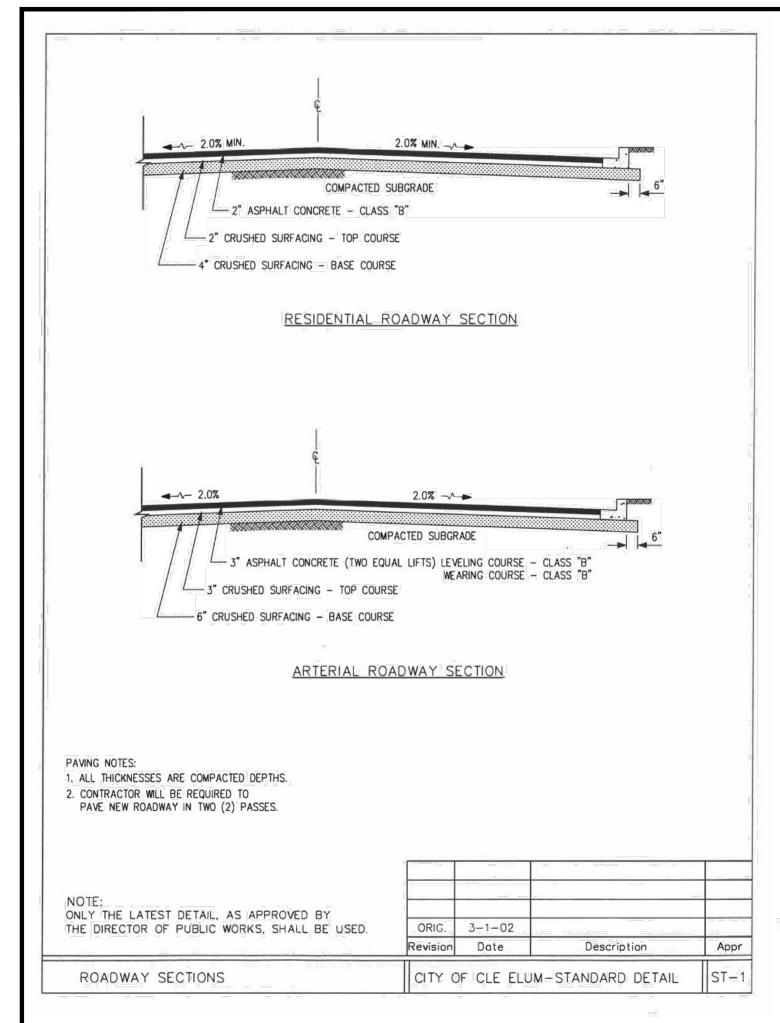


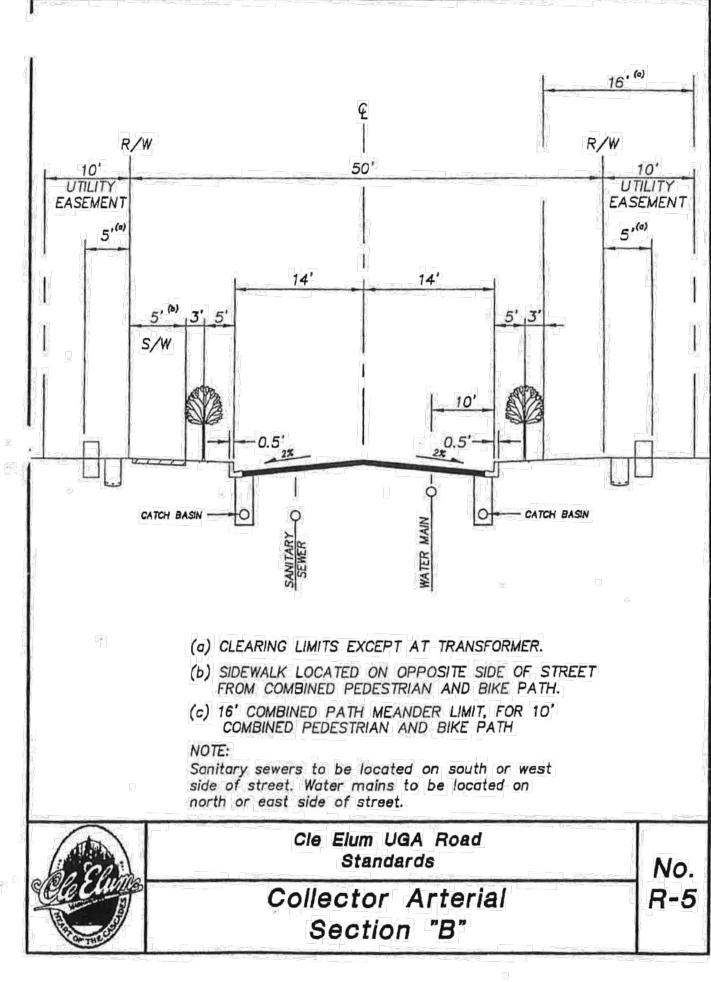


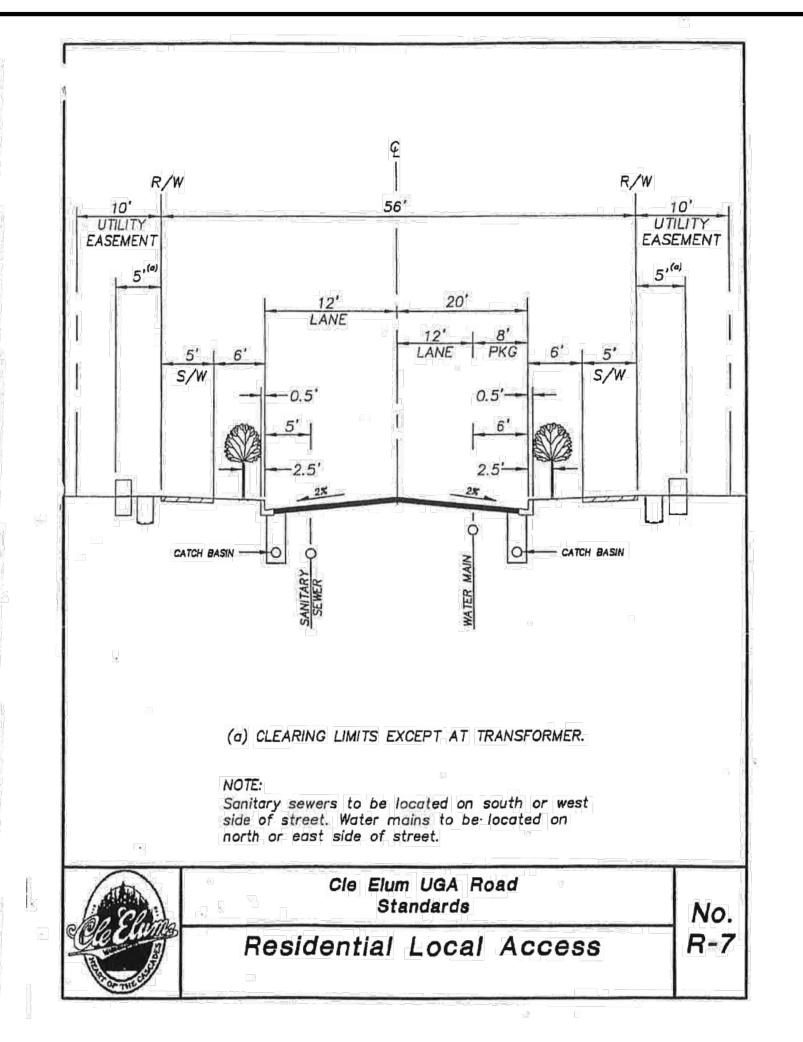
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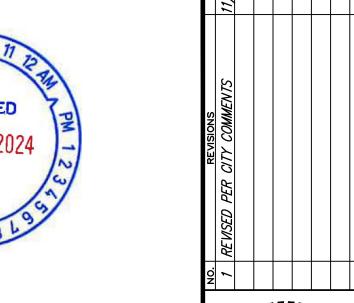












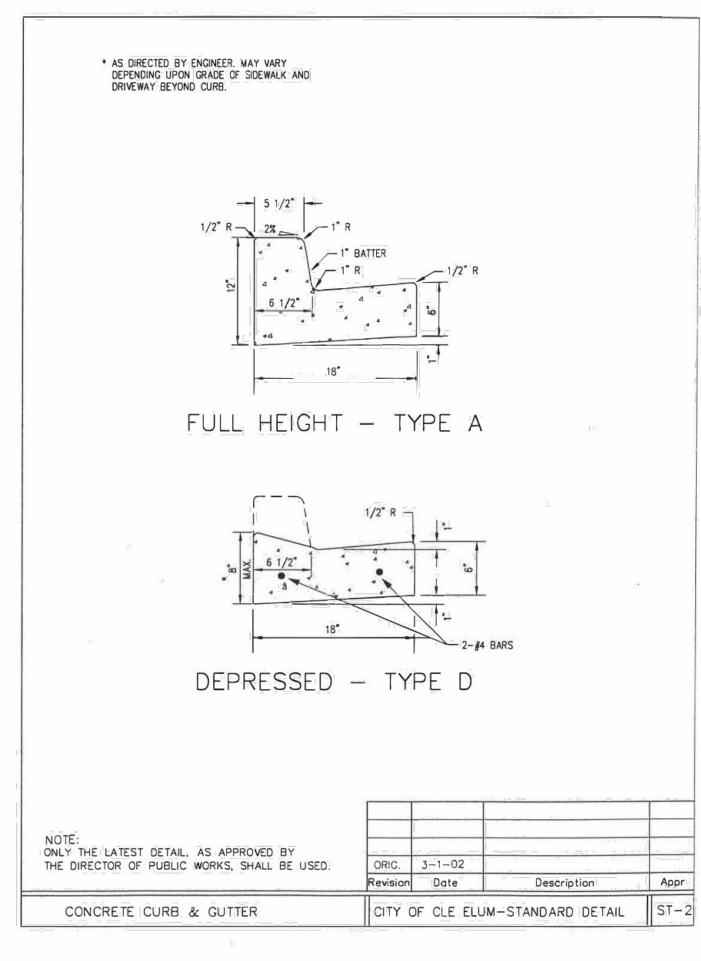


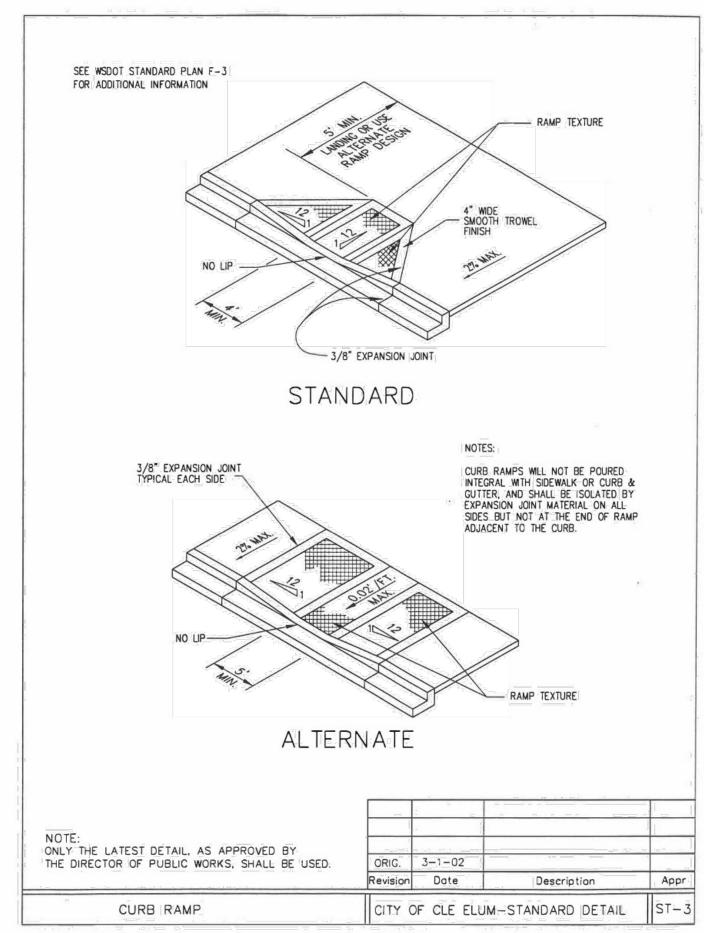


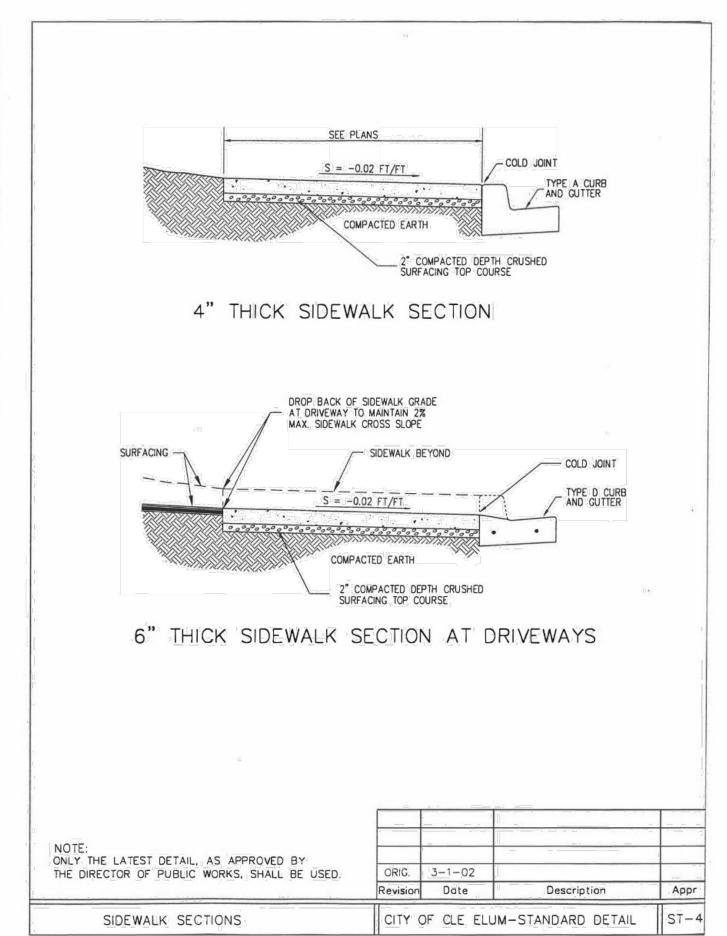


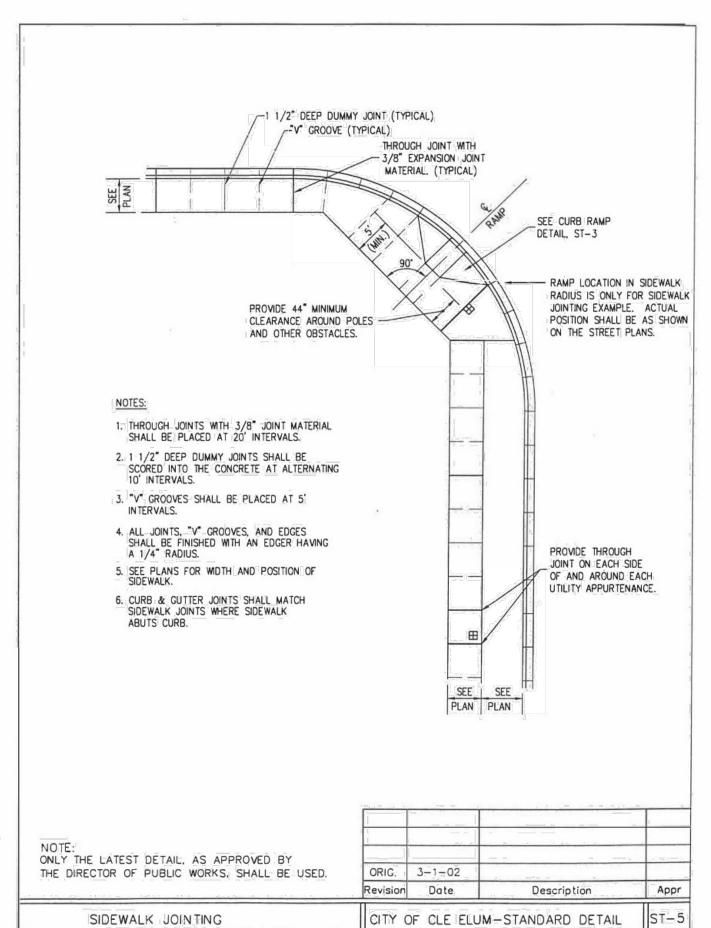
SHEET 19 C3.31 PROJECT NUMBER **24019**

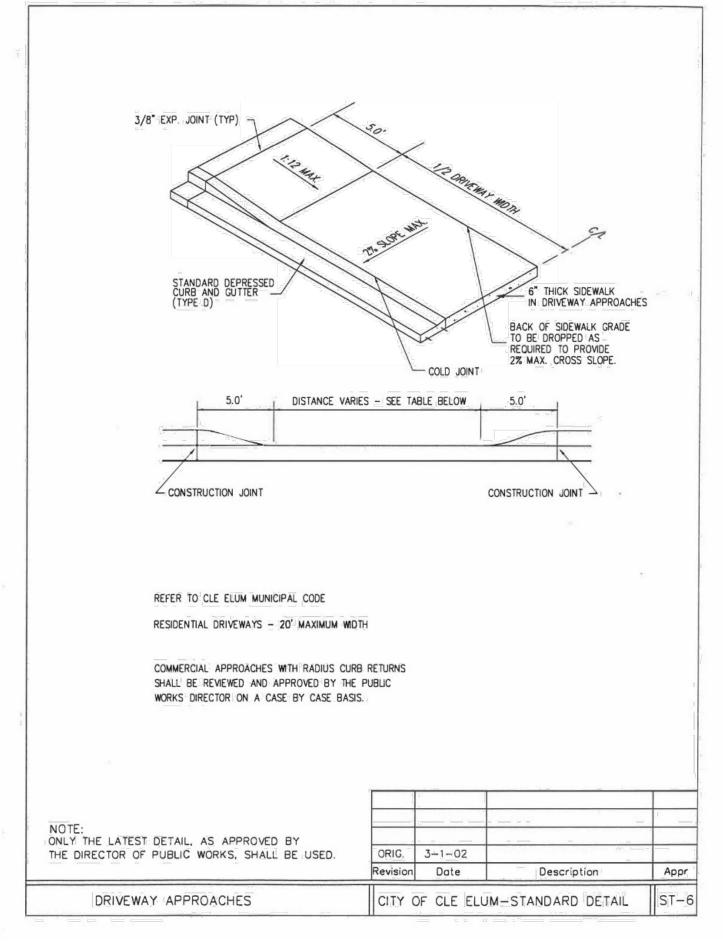
UNDERGROUND LOCATOR SERVICE
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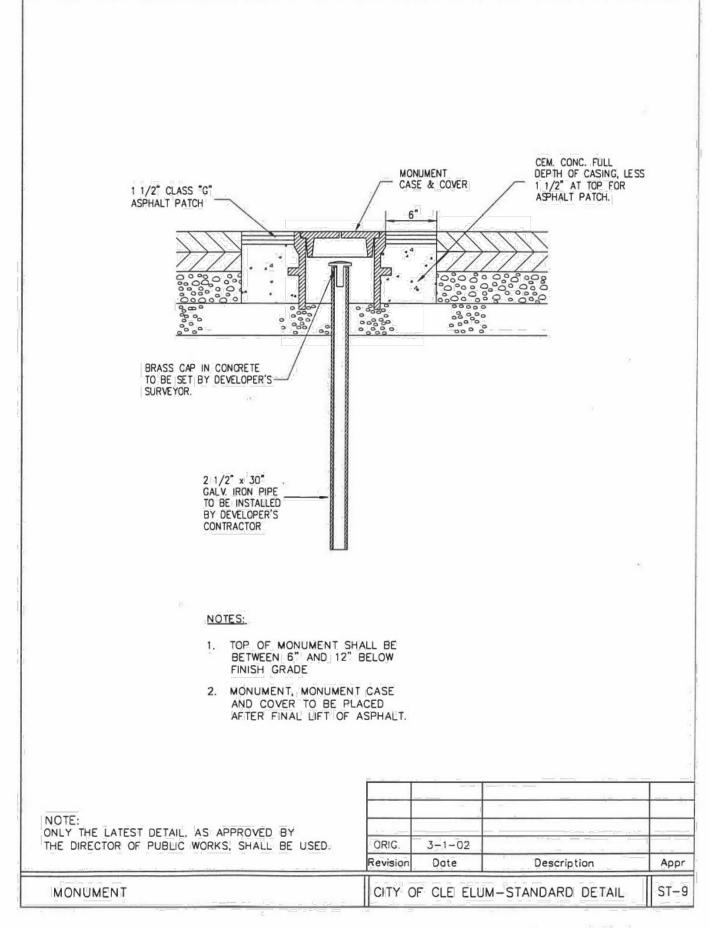




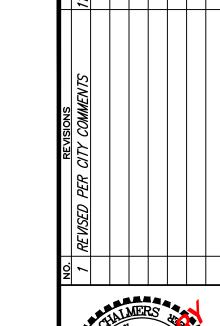










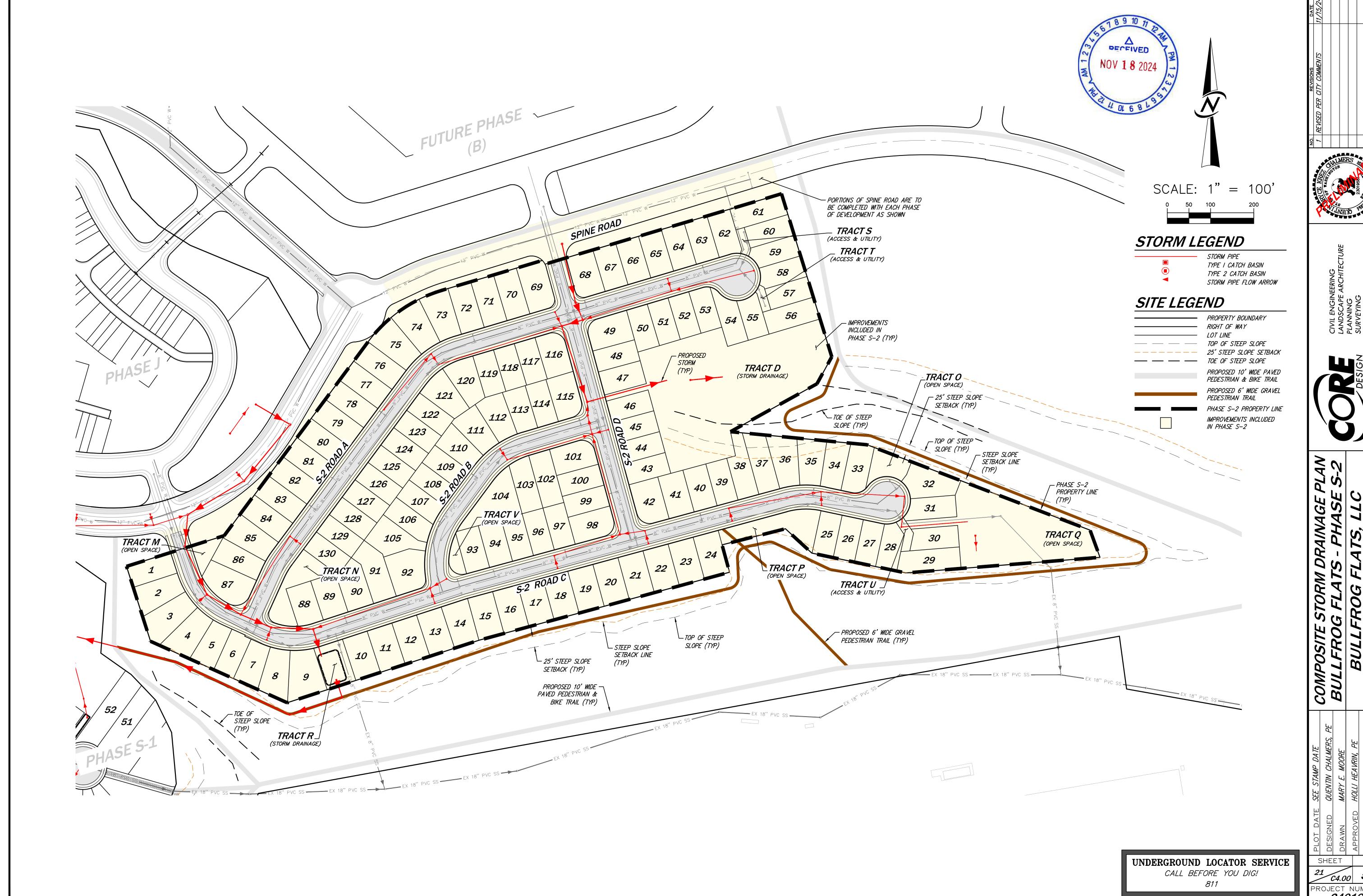




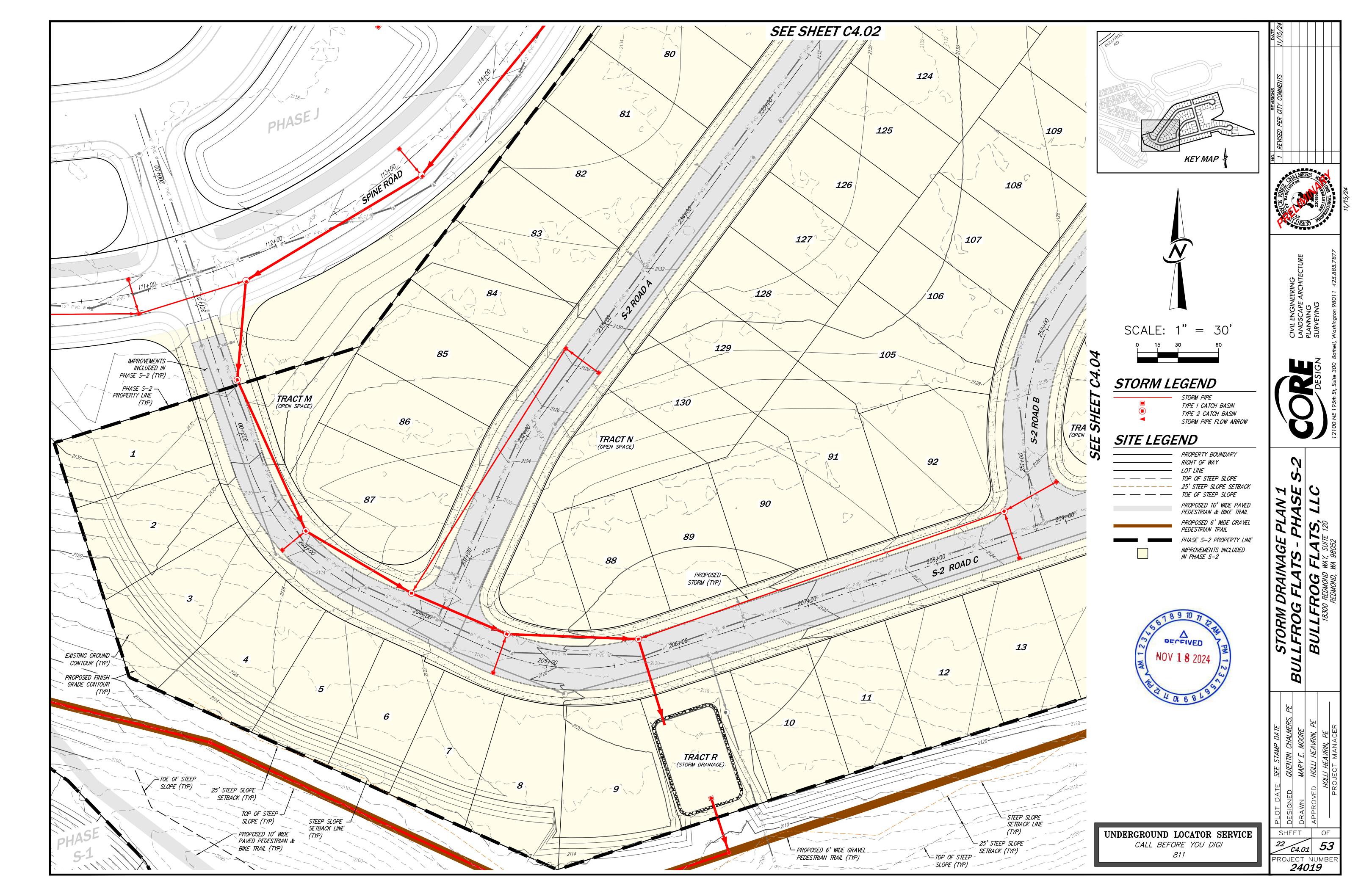
SHEET ²⁰ C3.32 53

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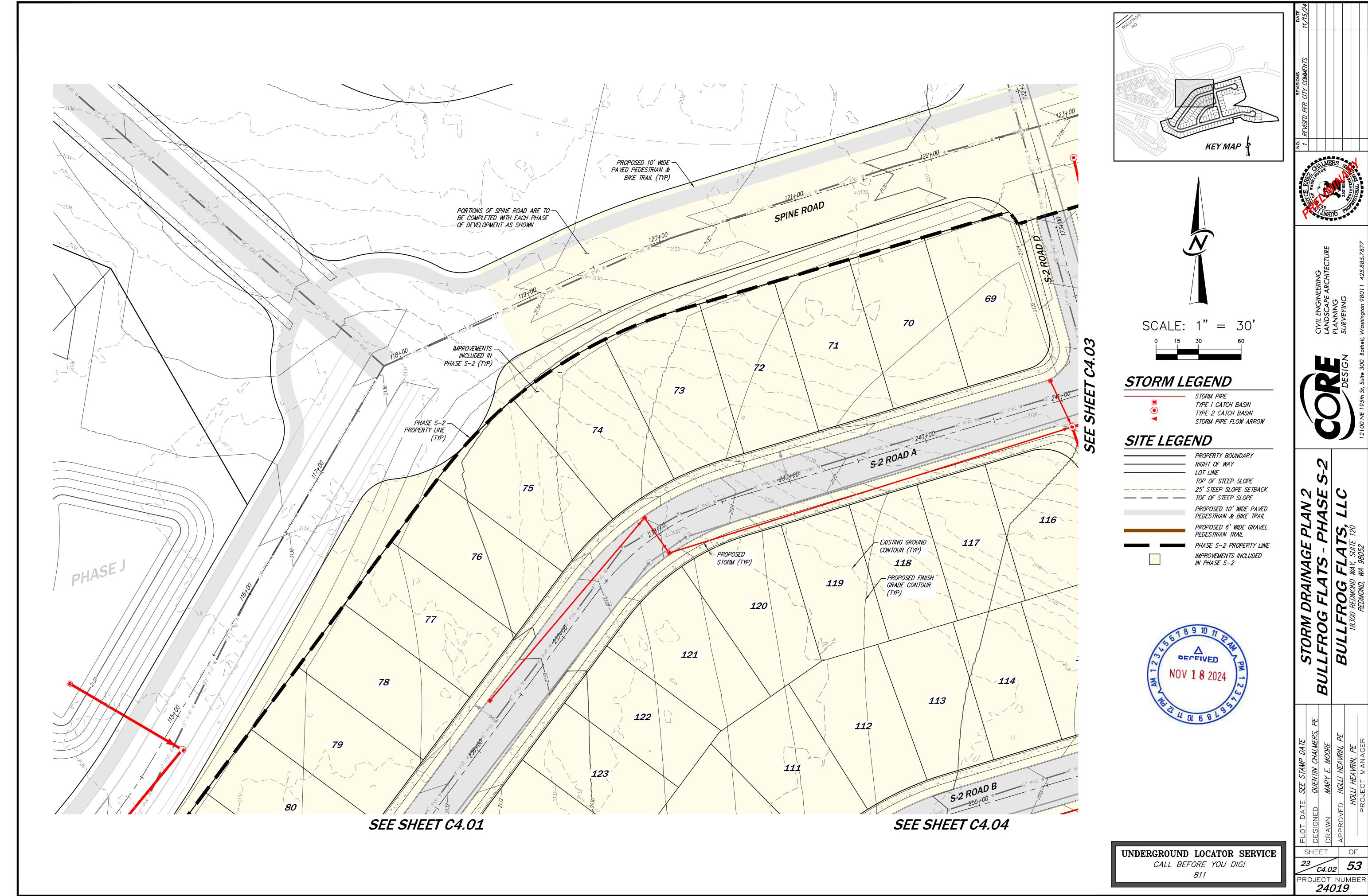
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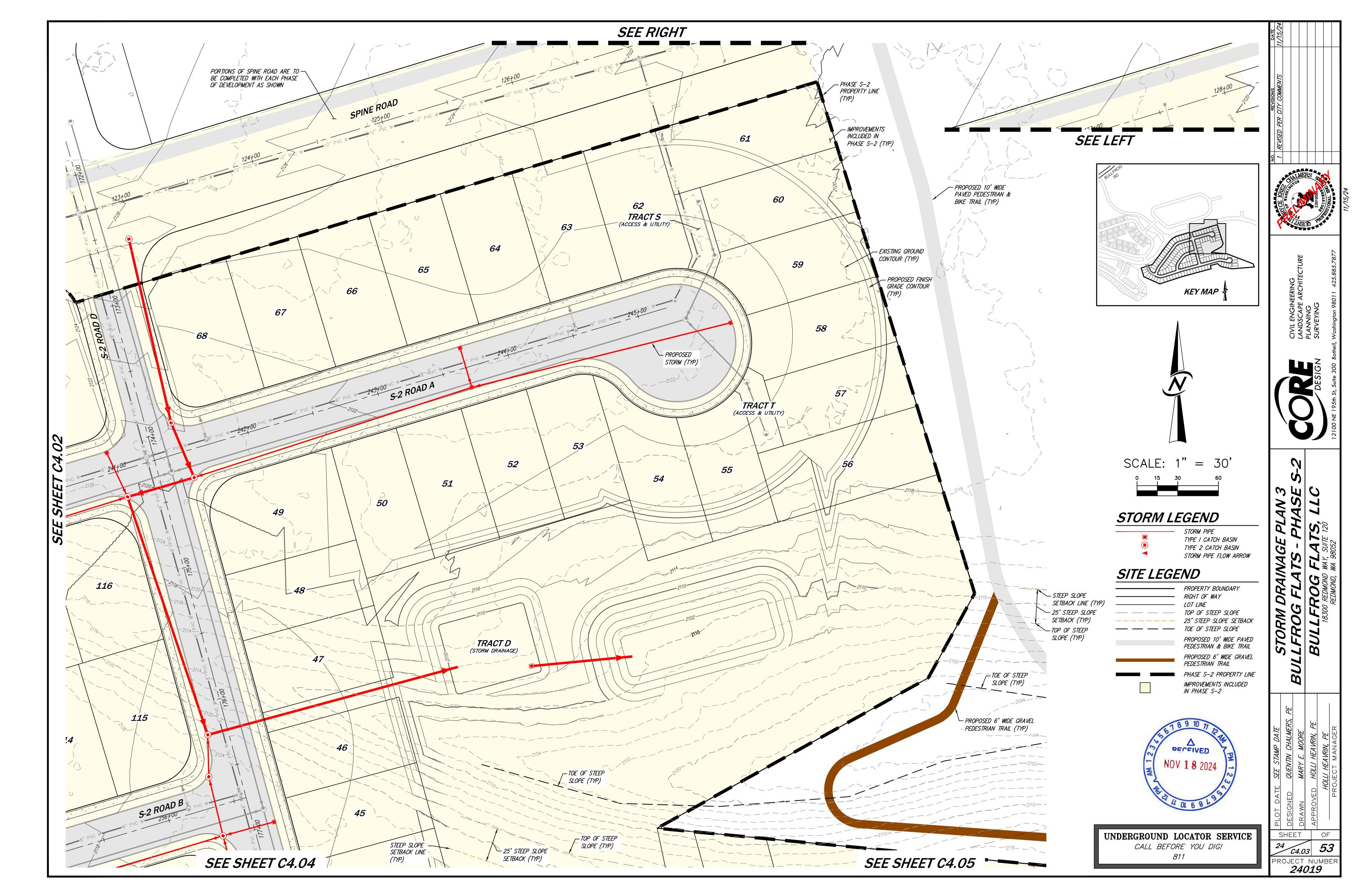


21 C4.00 **53**

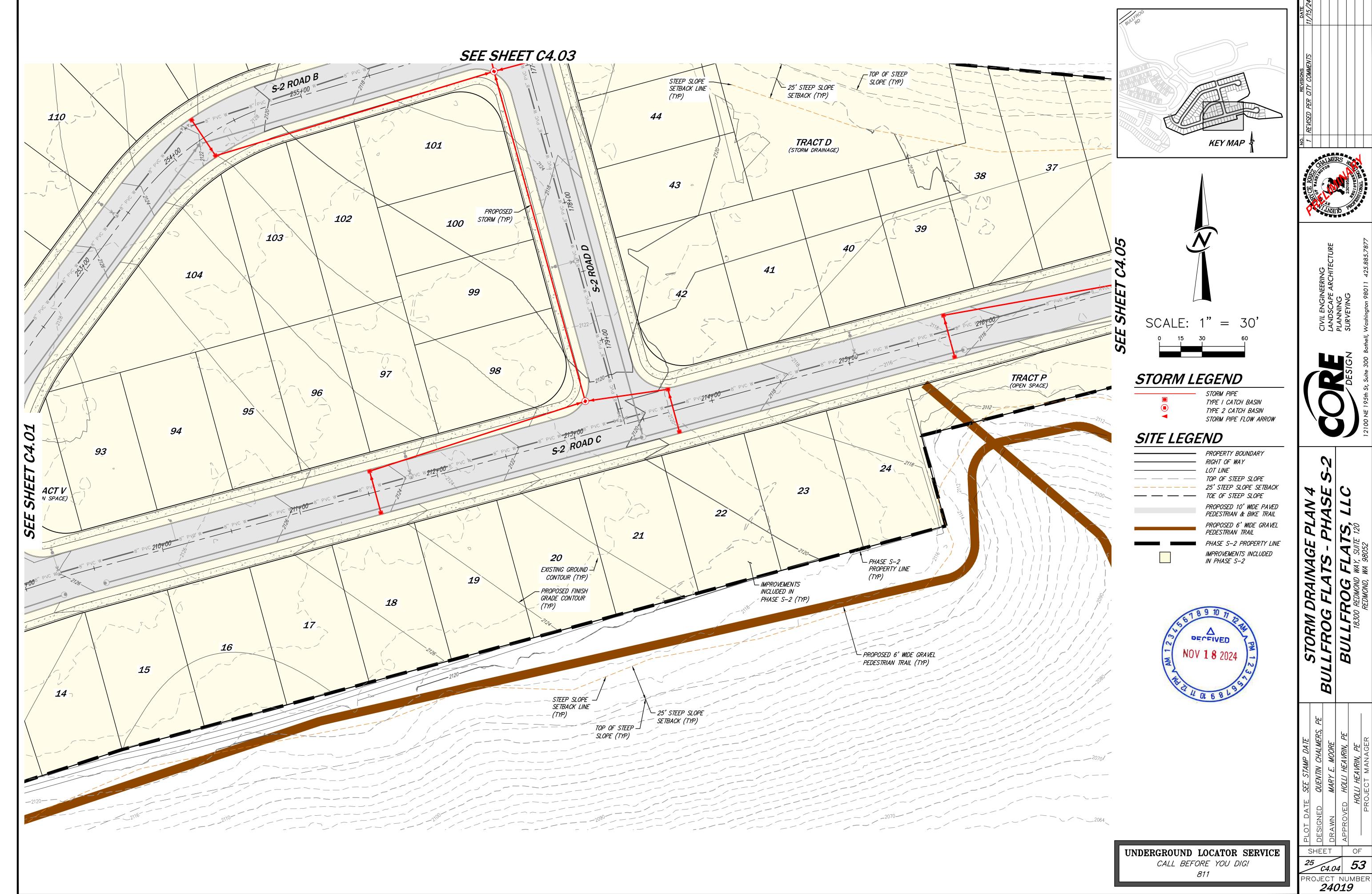


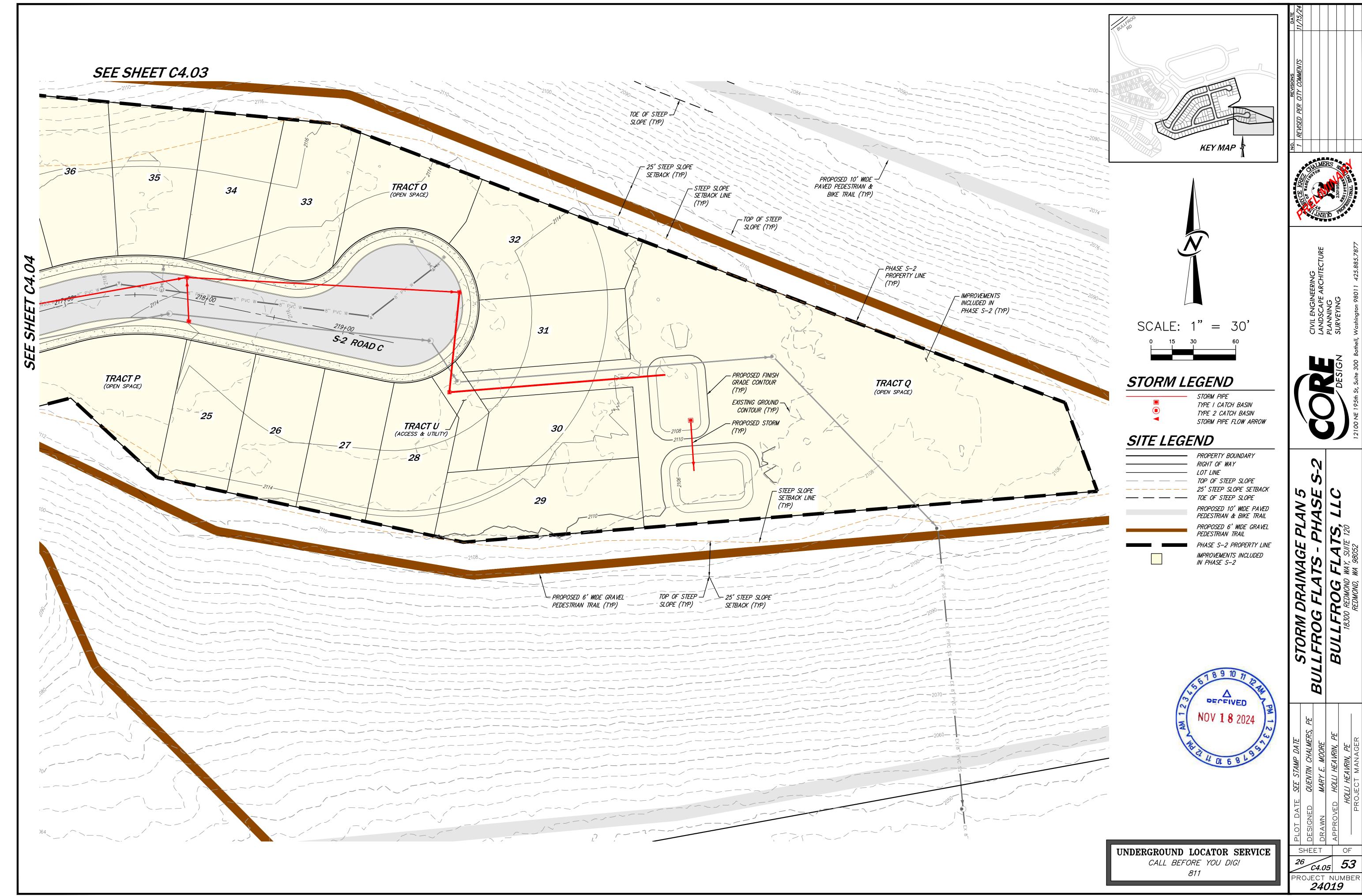
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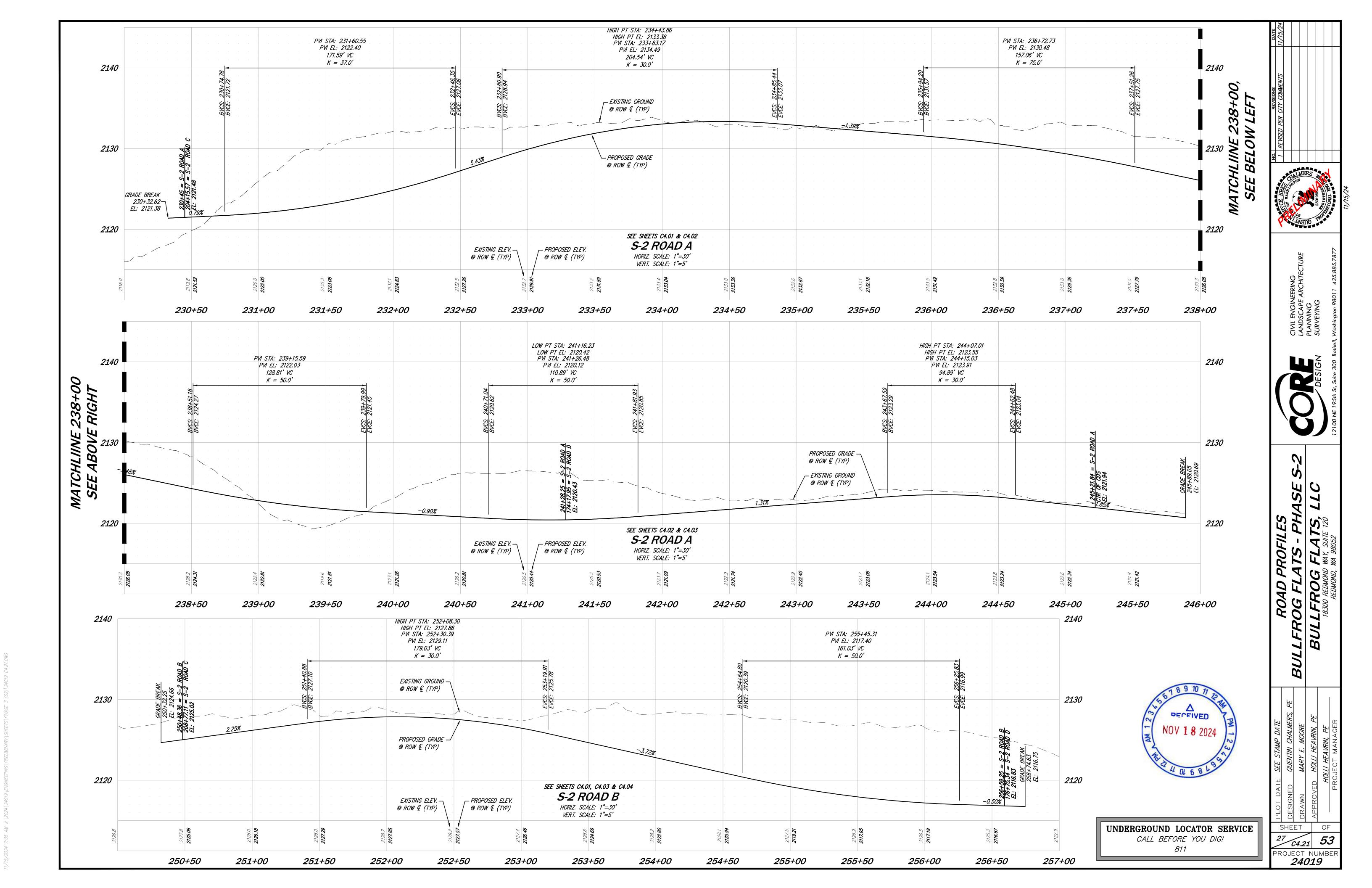


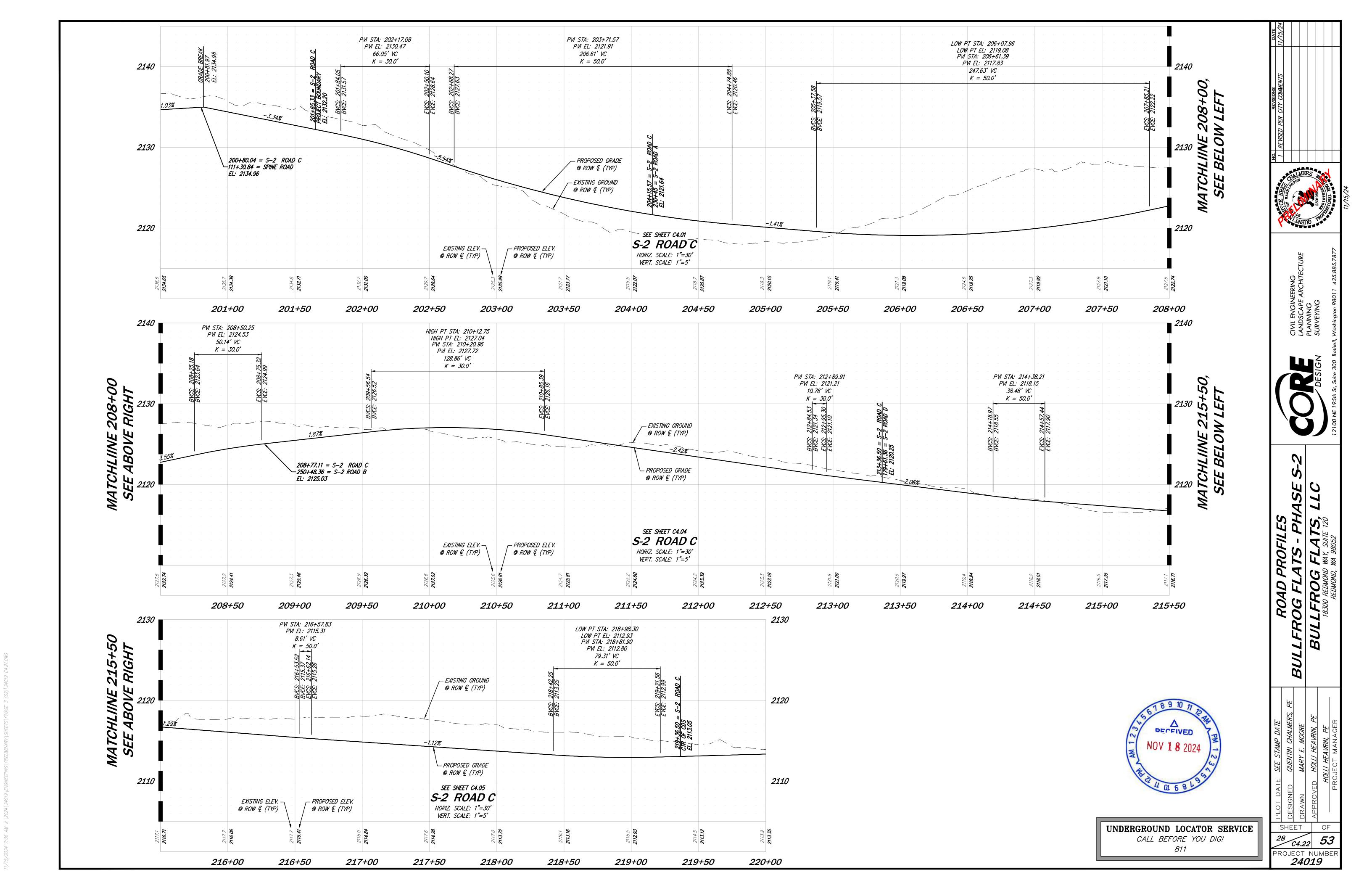


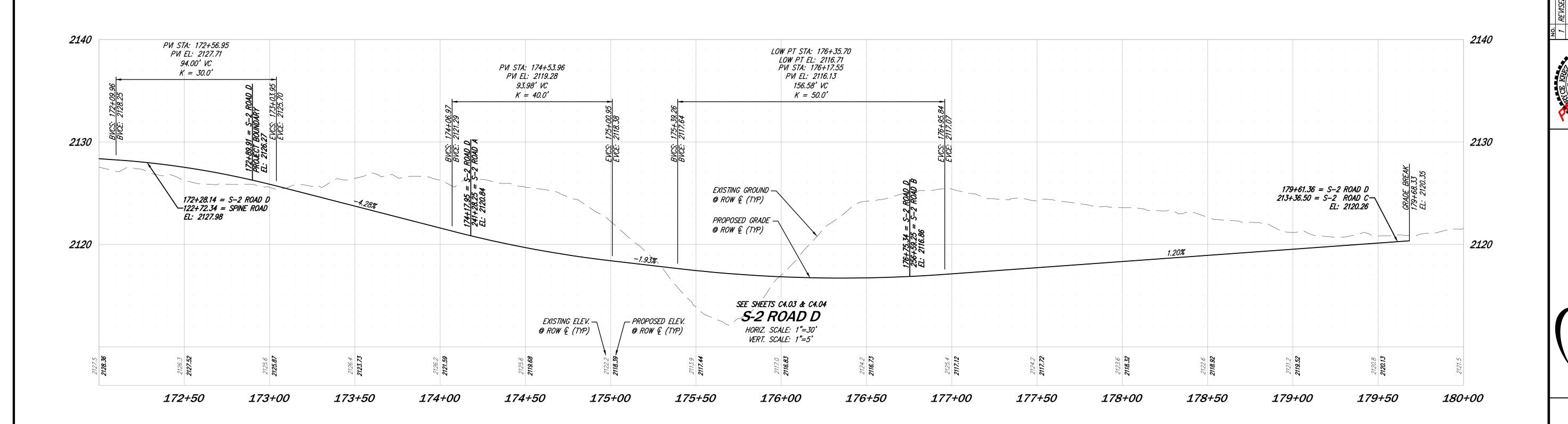
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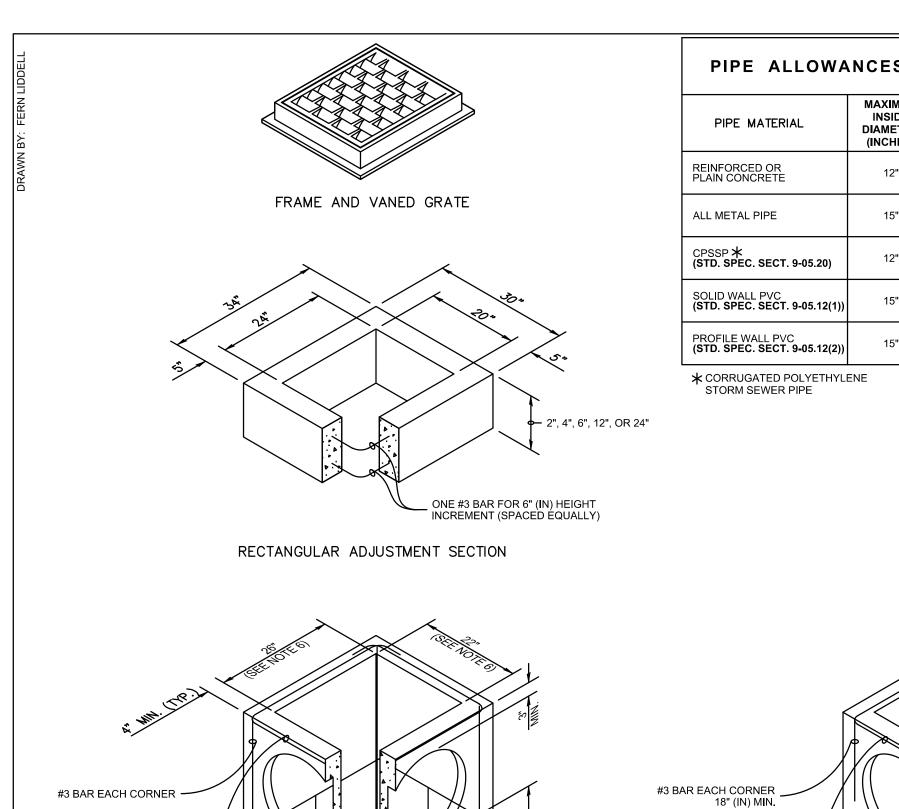


UNDERGROUND LOCATOR SERVICE

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811

SHEET OF 29 C4.23 53 PROJECT NUMBER **24019**



PRECAST BASE SECTION

#3 BAR HOOP -

#3 BAR EACH WAY ——

PIPE ALLOWANCES MAXIMUM INSIDE DIAMETER (INCHES) 12" 15" 12"

#3 BAR HOOP —

(SEE NOTE 1)

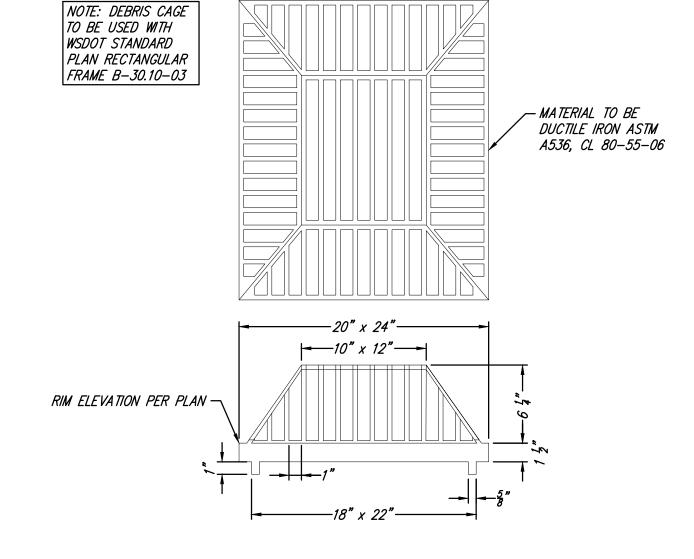
ALTERNATIVE PRECAST BASE SECTION

NOTES

- 1. As acceptable alternatives to the rebar shown in the **PRECAST BASE** SECTION, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the ALTERNATIVE PRECAST BASE SECTION. Wire mesh shall not be placed in the
- 2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
- 3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
- The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
- 5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
- 6. The opening shall be measured at the top of the **Precast Base Section**.

CATCH BASIN TYPE 1

7. All pickup holes shall be grouted full after the basin has been placed.

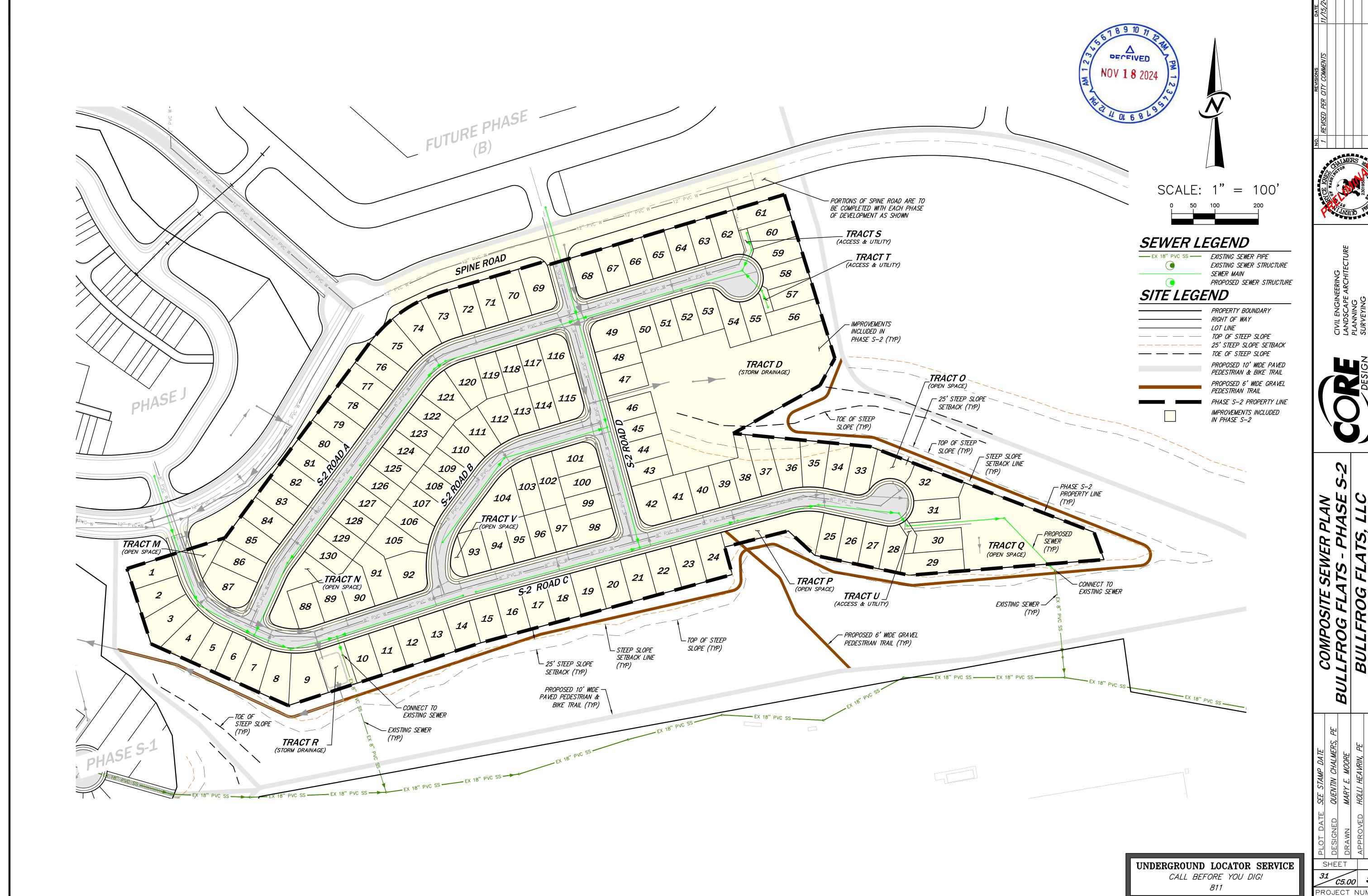


BEEHIVE OVERFLOW GRATE



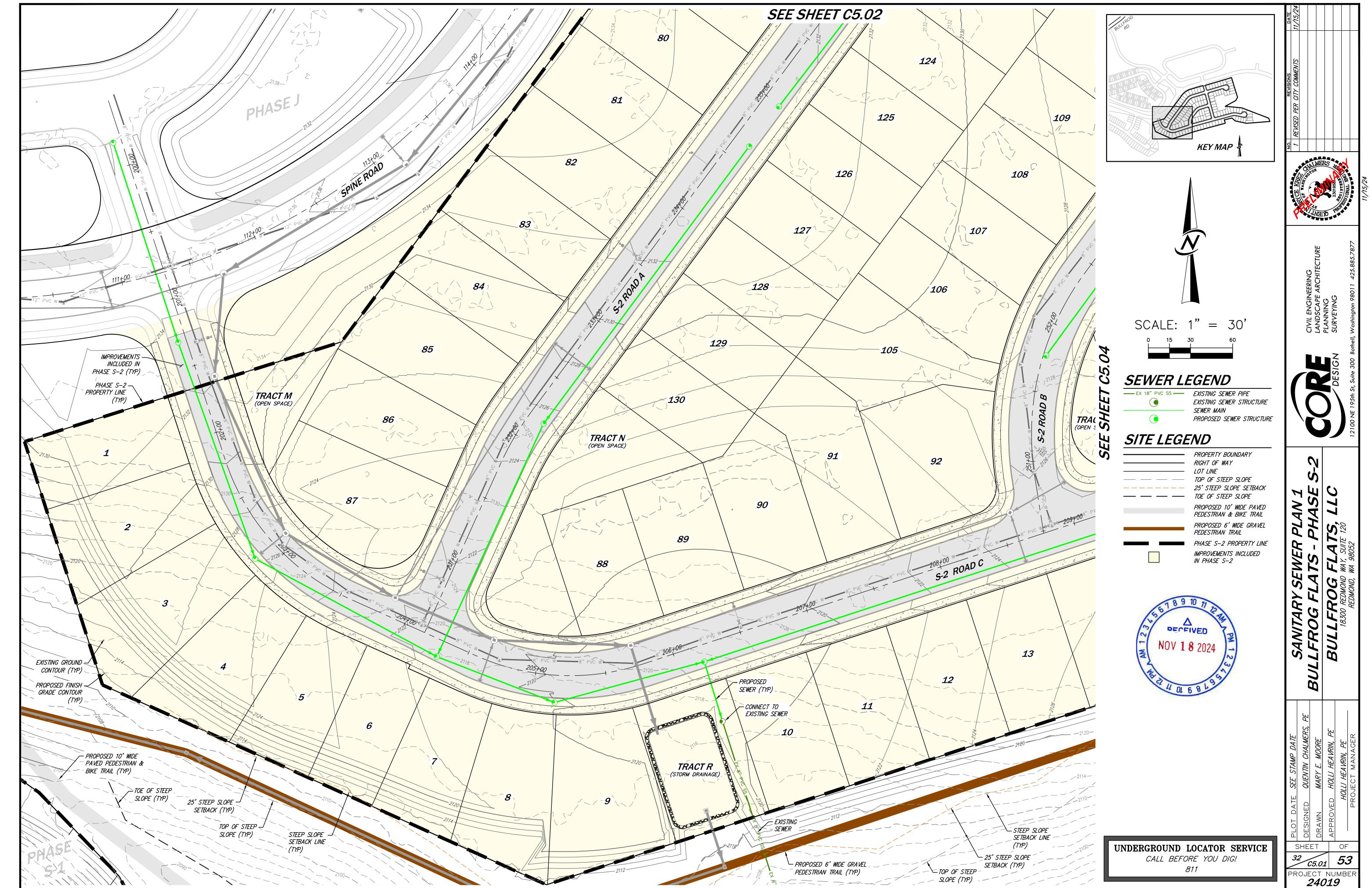
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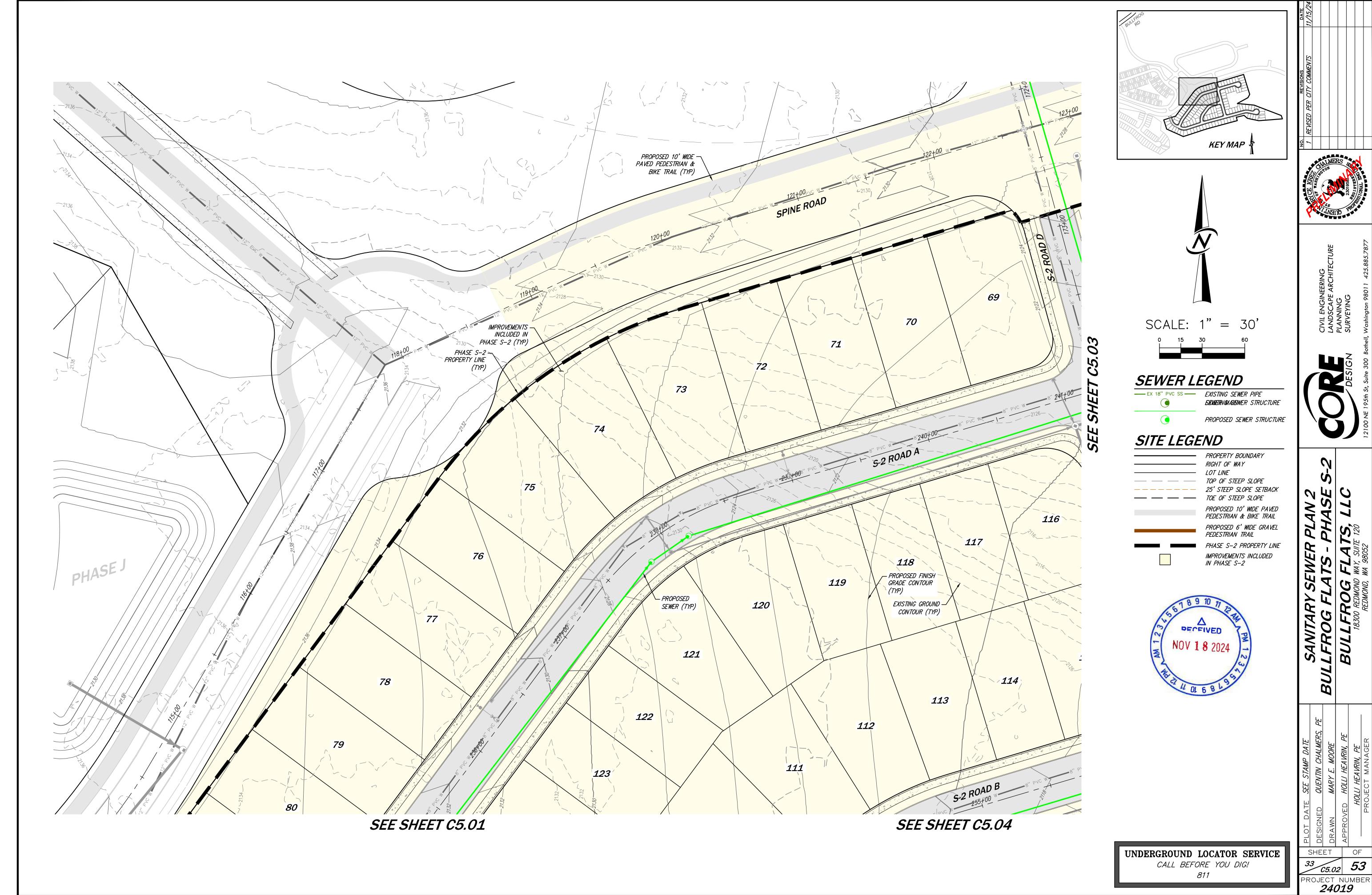
30 C4.31

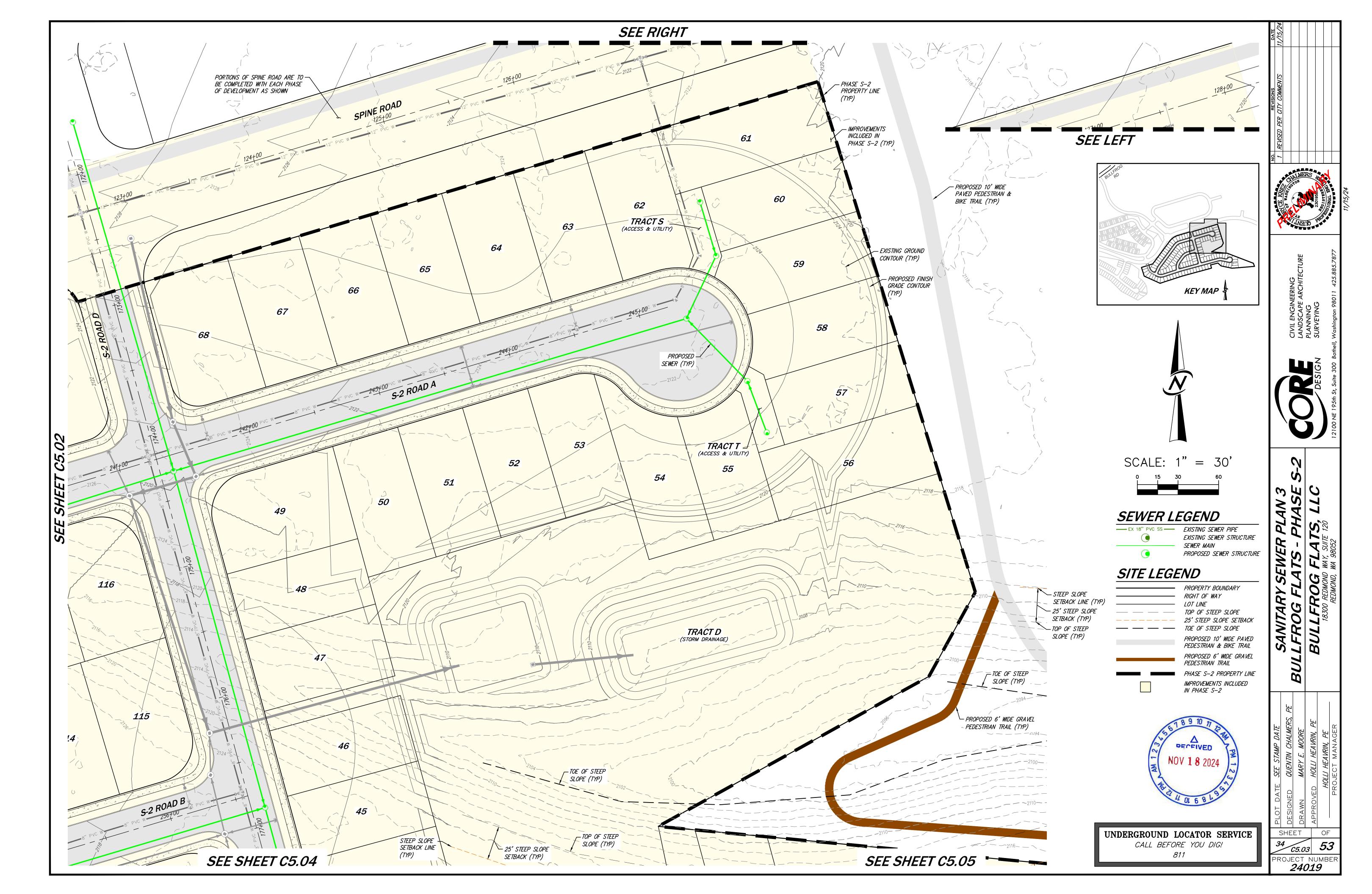




31 C5.00 **53**

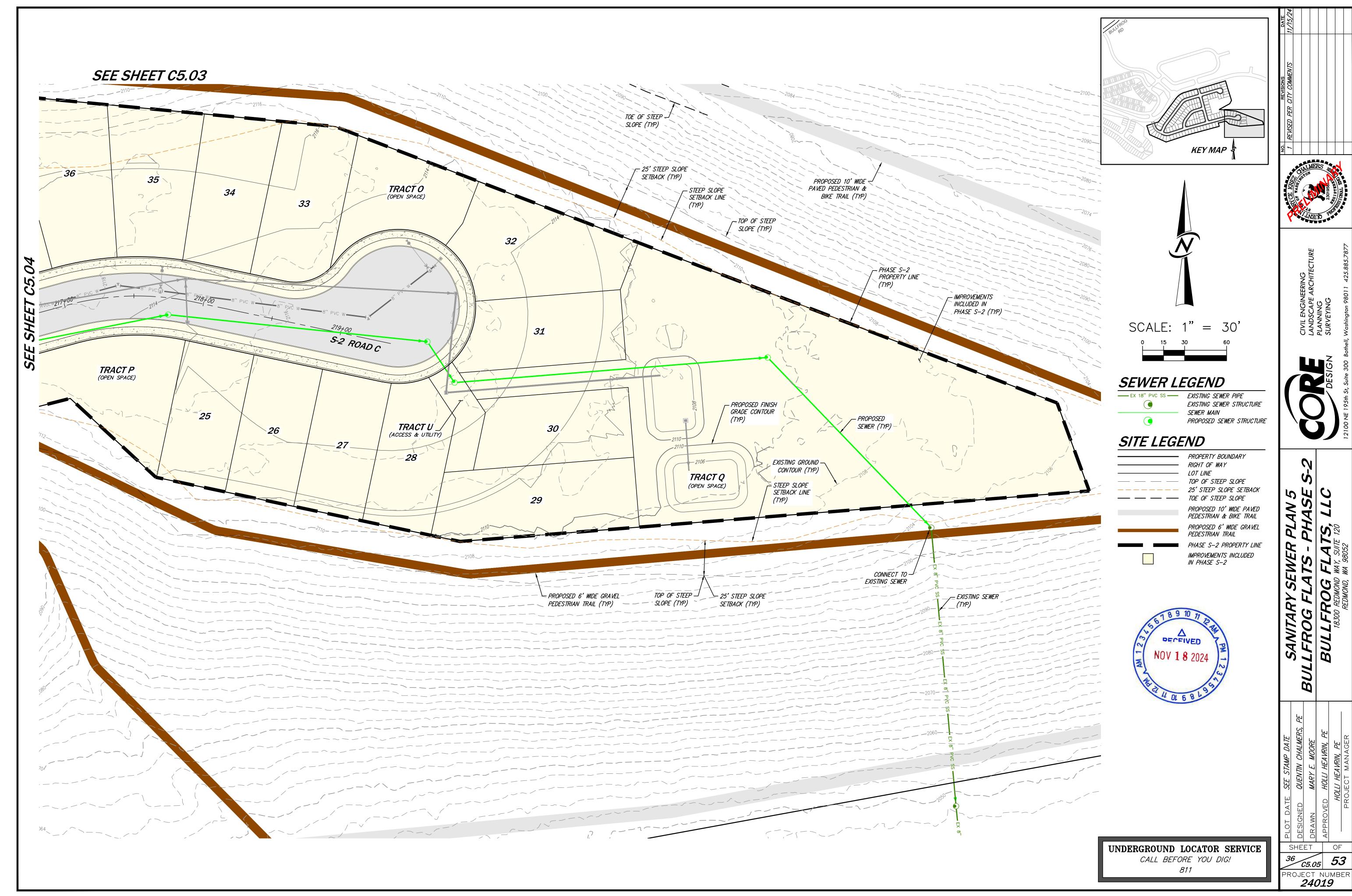


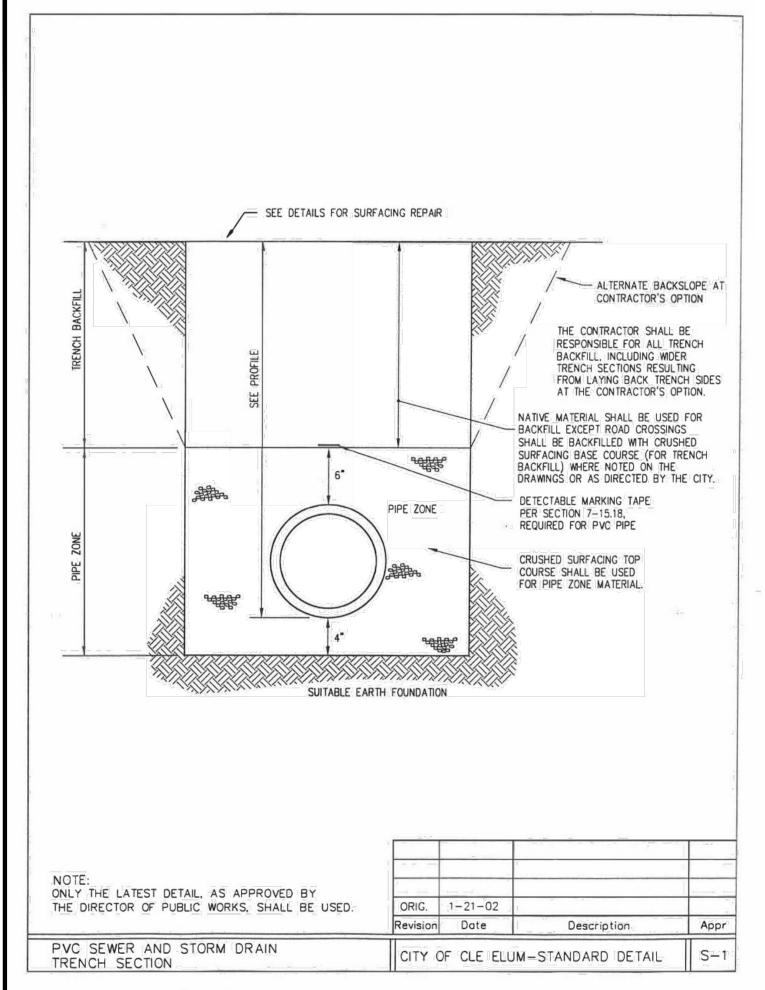


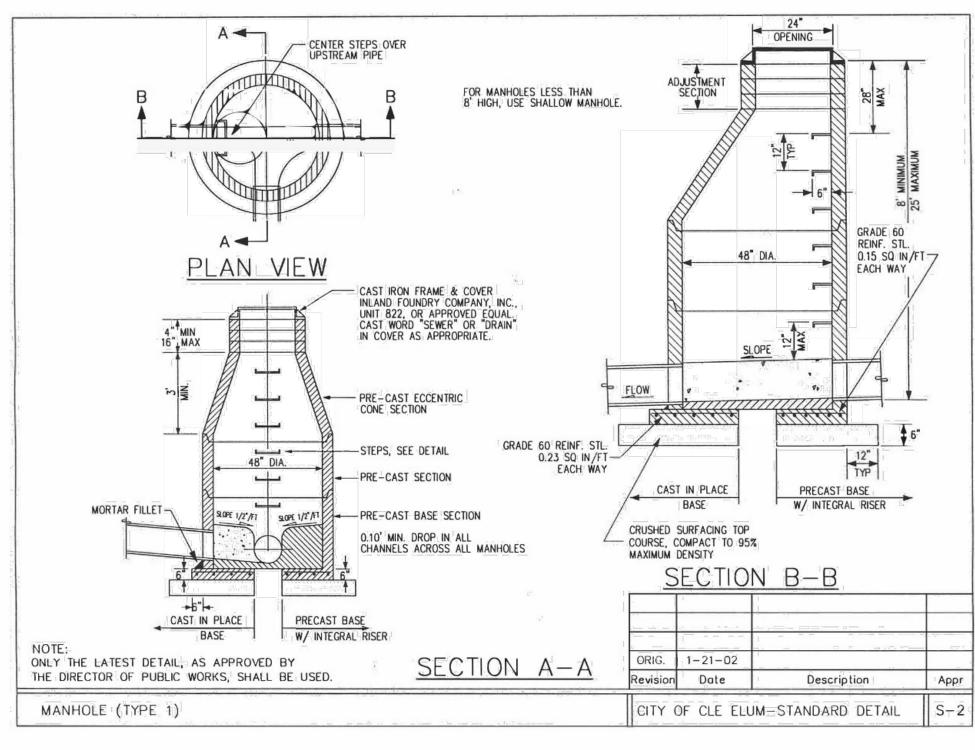


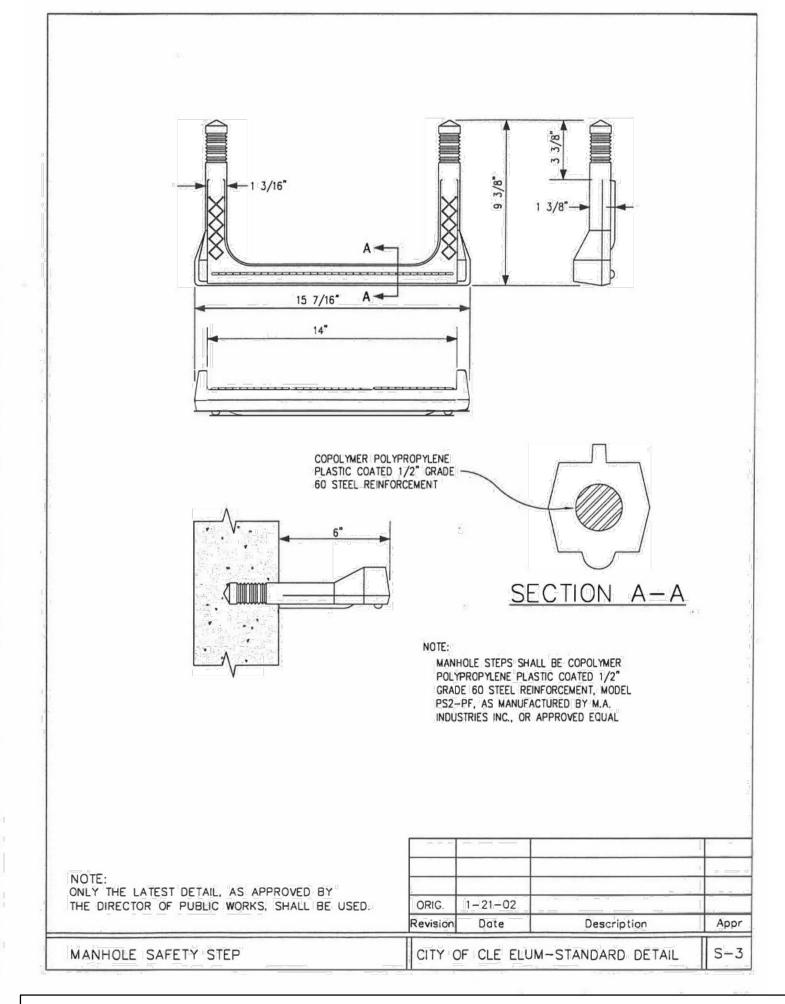
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MANHOLE RING AND COVER

- PRECAST RISER SECTIONS

FLAT SLAB TOP

STEPS OR LADDER -

MANHOLE TYPE 3

GRAVEL BACKFILL FOR _ PIPE ZONE BEDDING

SEPARATE BASE

INTEGRAL BASE

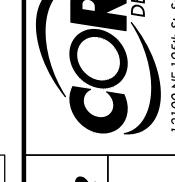
PRECAST WITH RISER









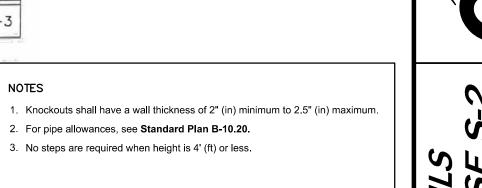


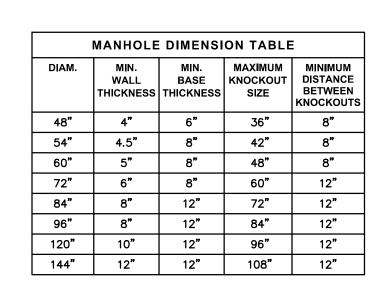
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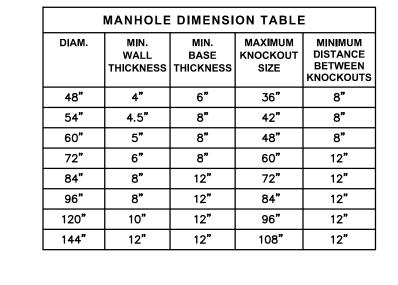
37 C5.31

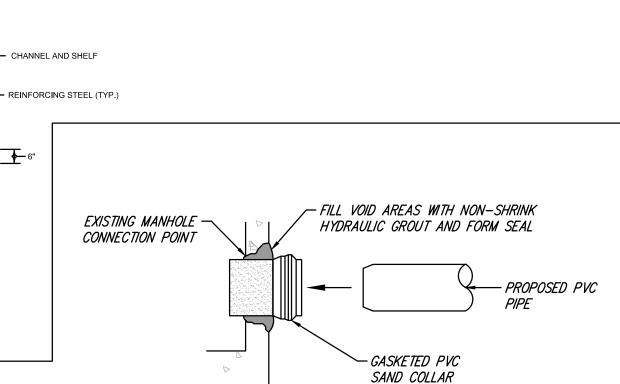
PROJECT NUMBER *24019*

53

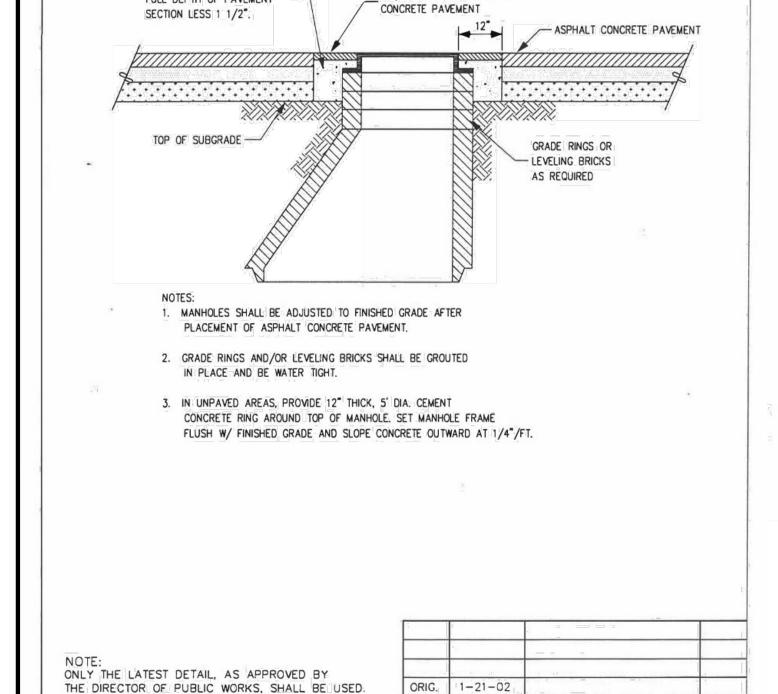








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Revision Date

Description

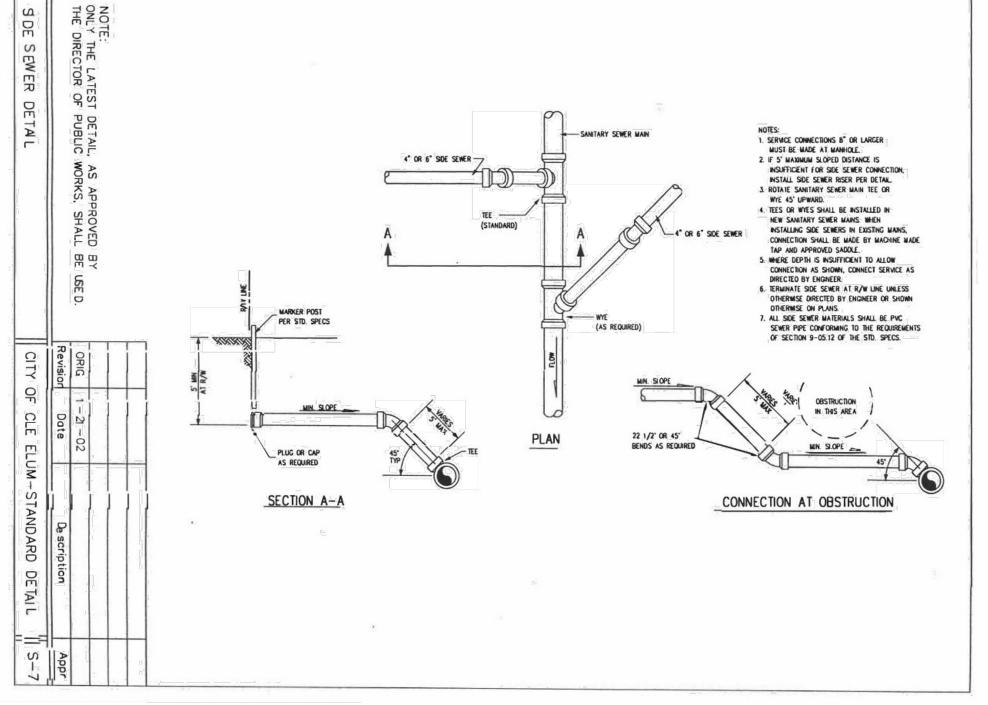
CITY OF CLE ELUM-STANDARD DETAIL

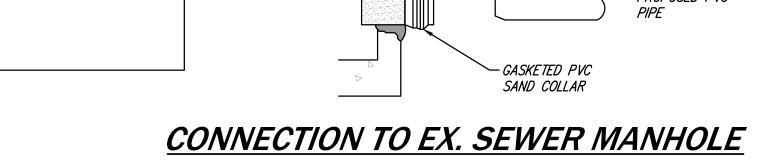
1 1/2" CLASS "G" ASPHALT

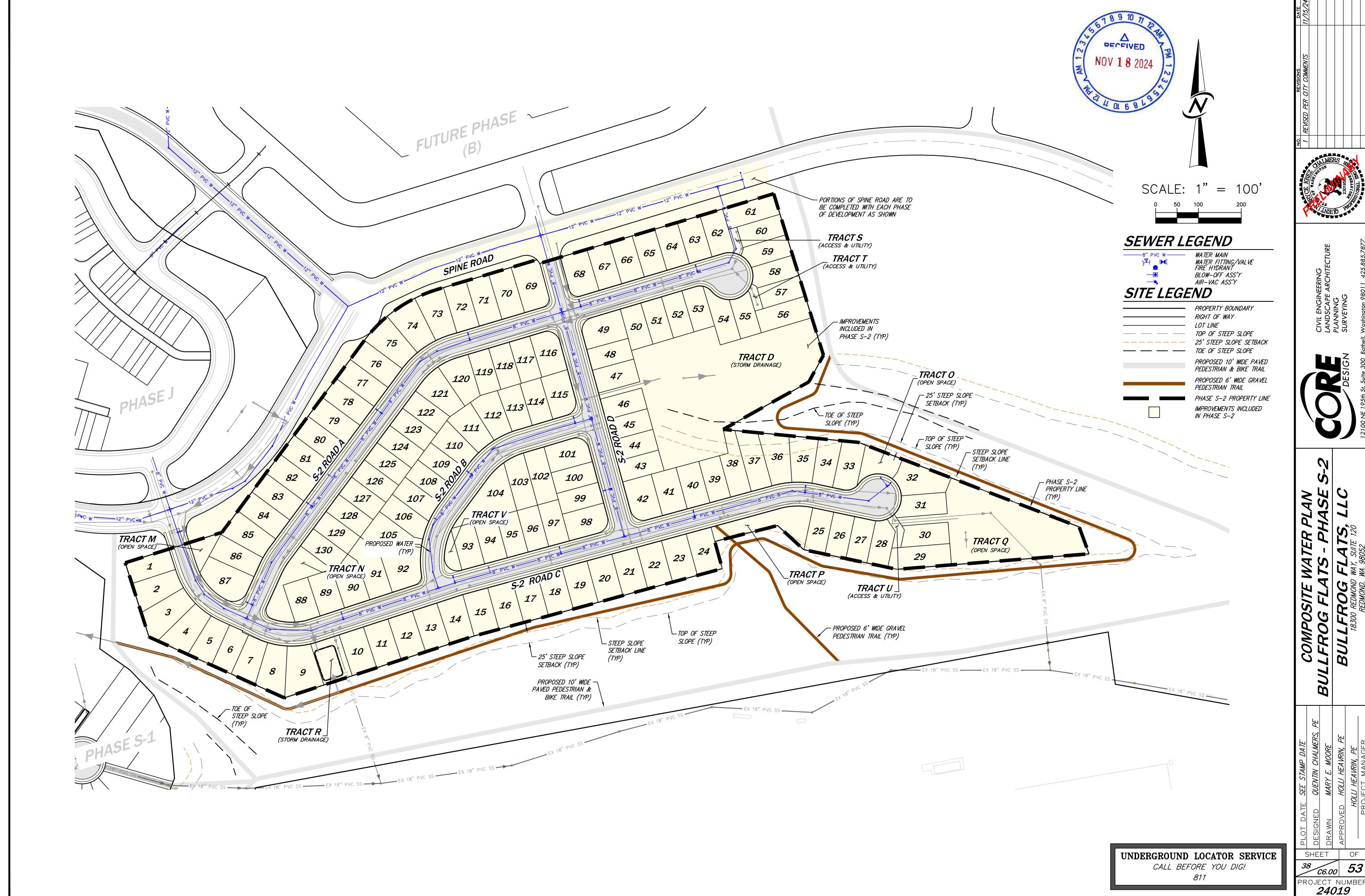
CLASS 3000 CEMENT CONCRETE

FULL DEPTH OF PAVEMENT

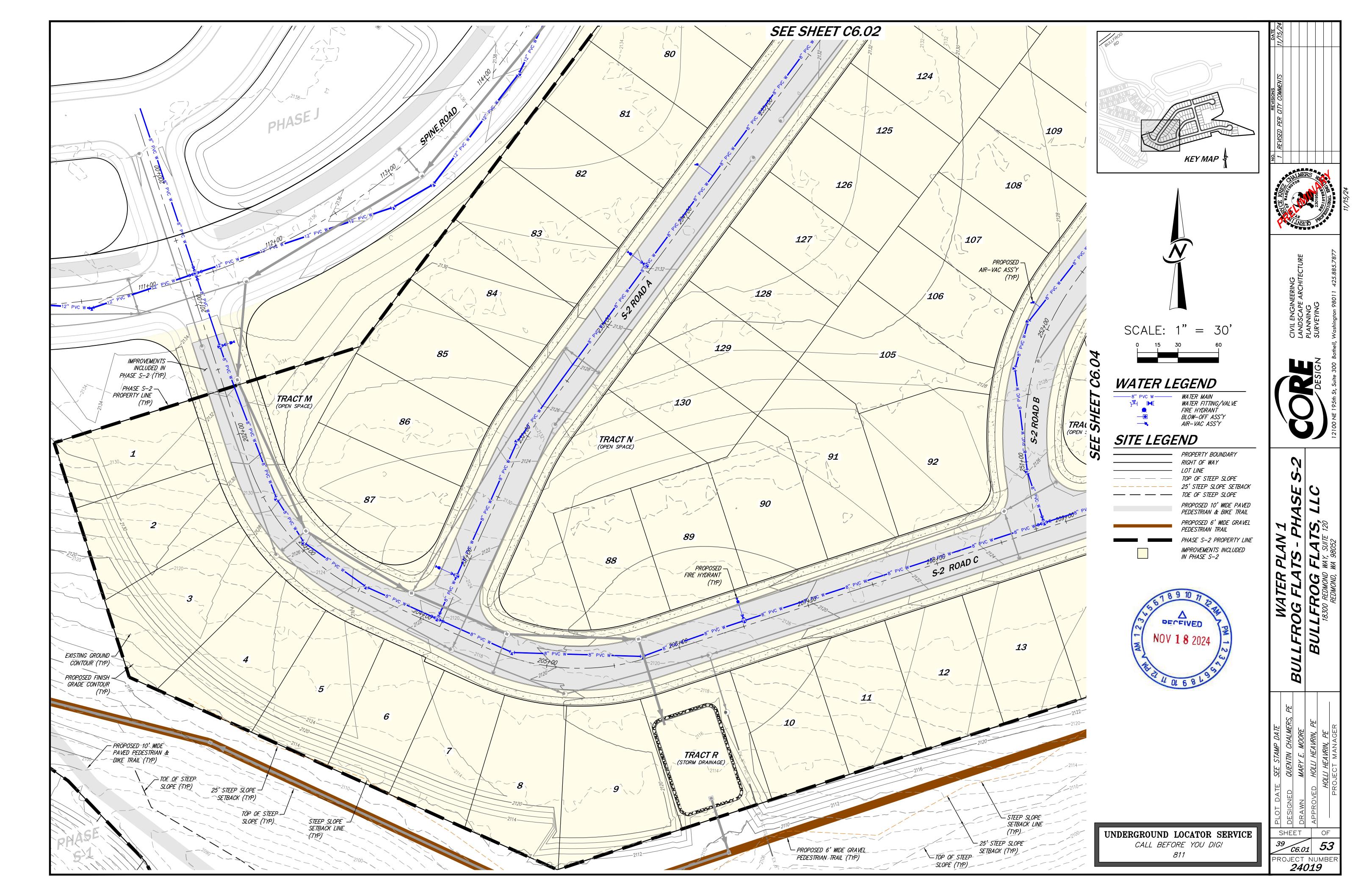
MANHOLE ADJUSTMENT DETAIL



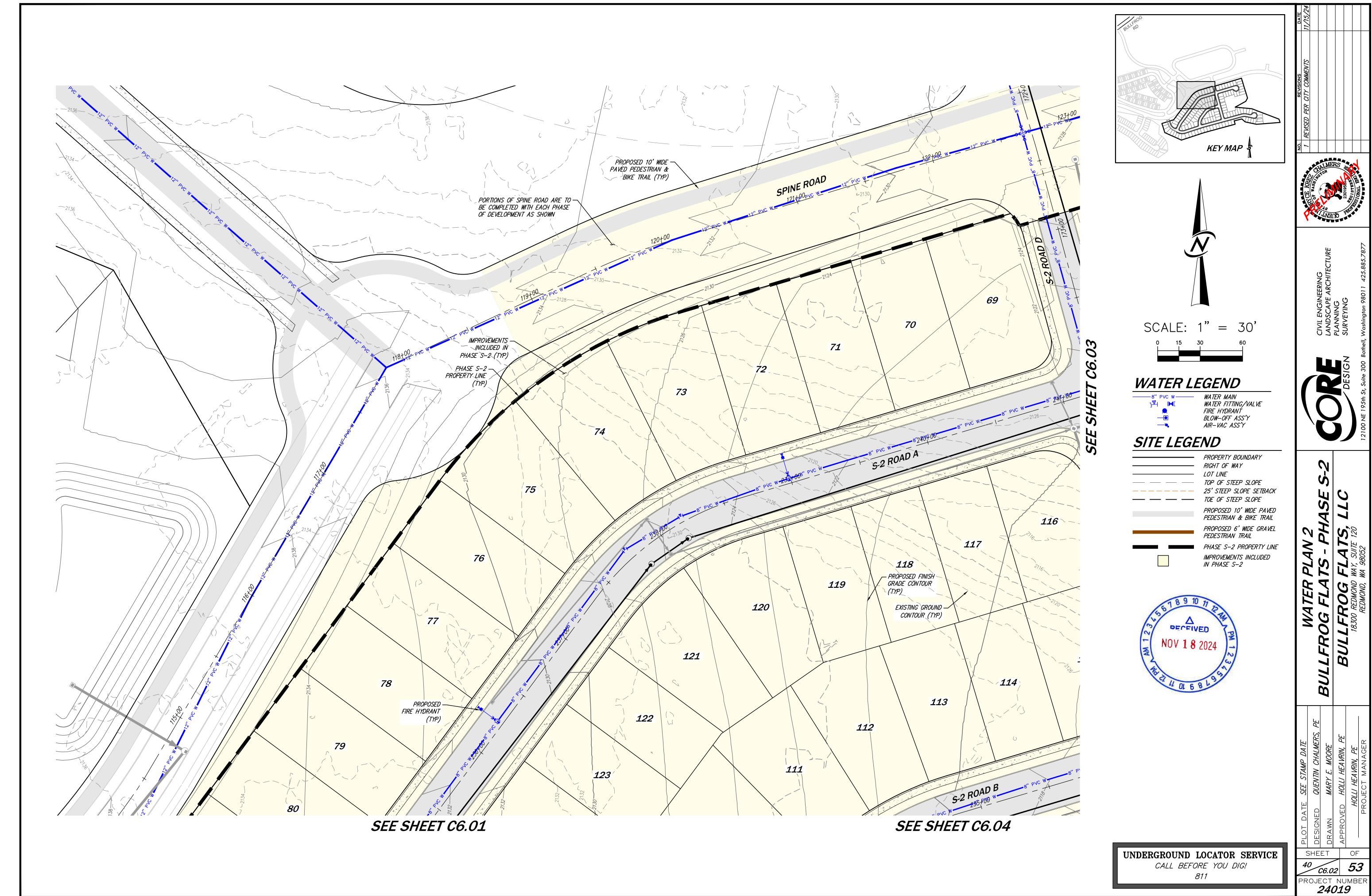


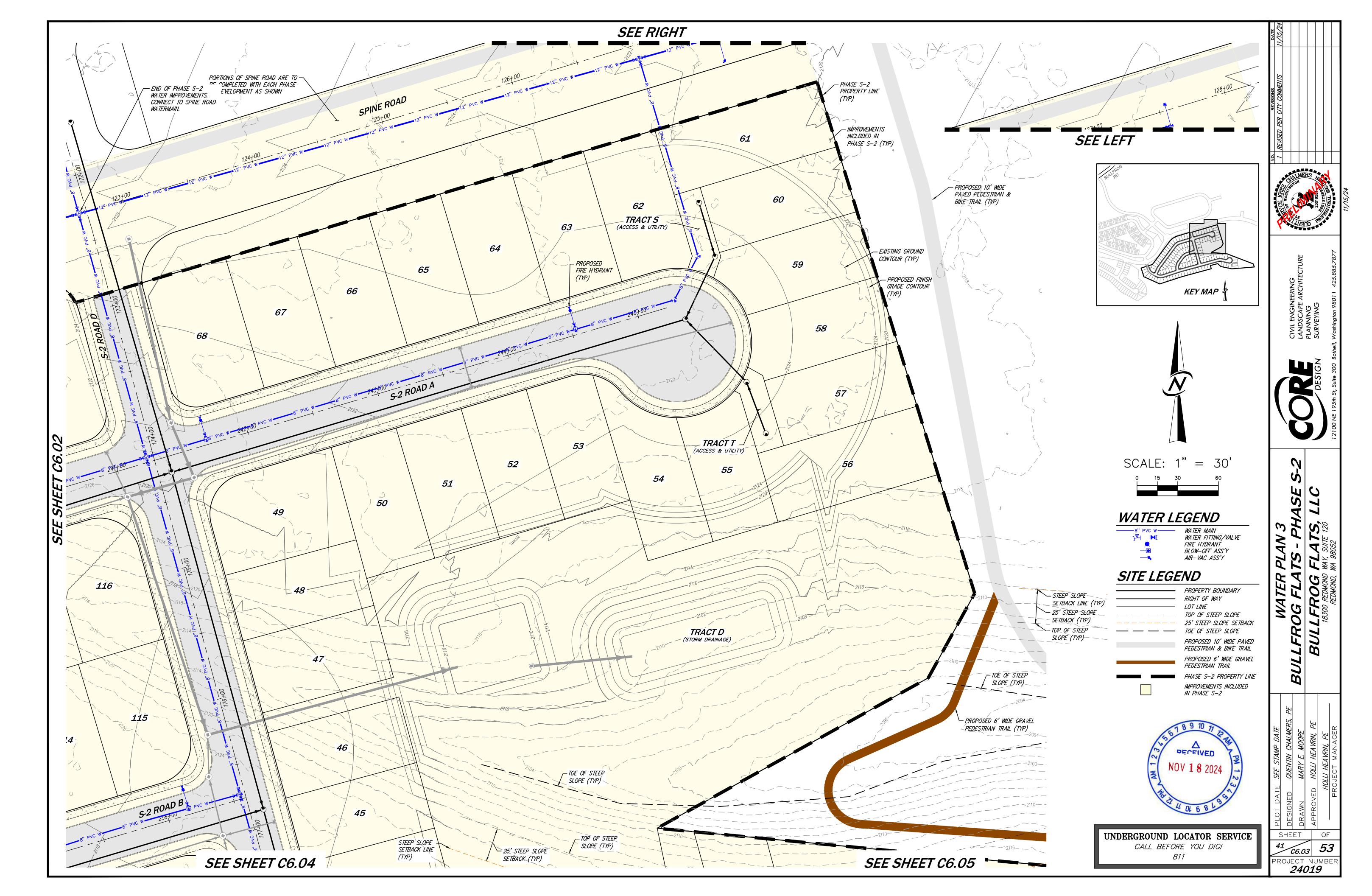


38 C6.00 **53**

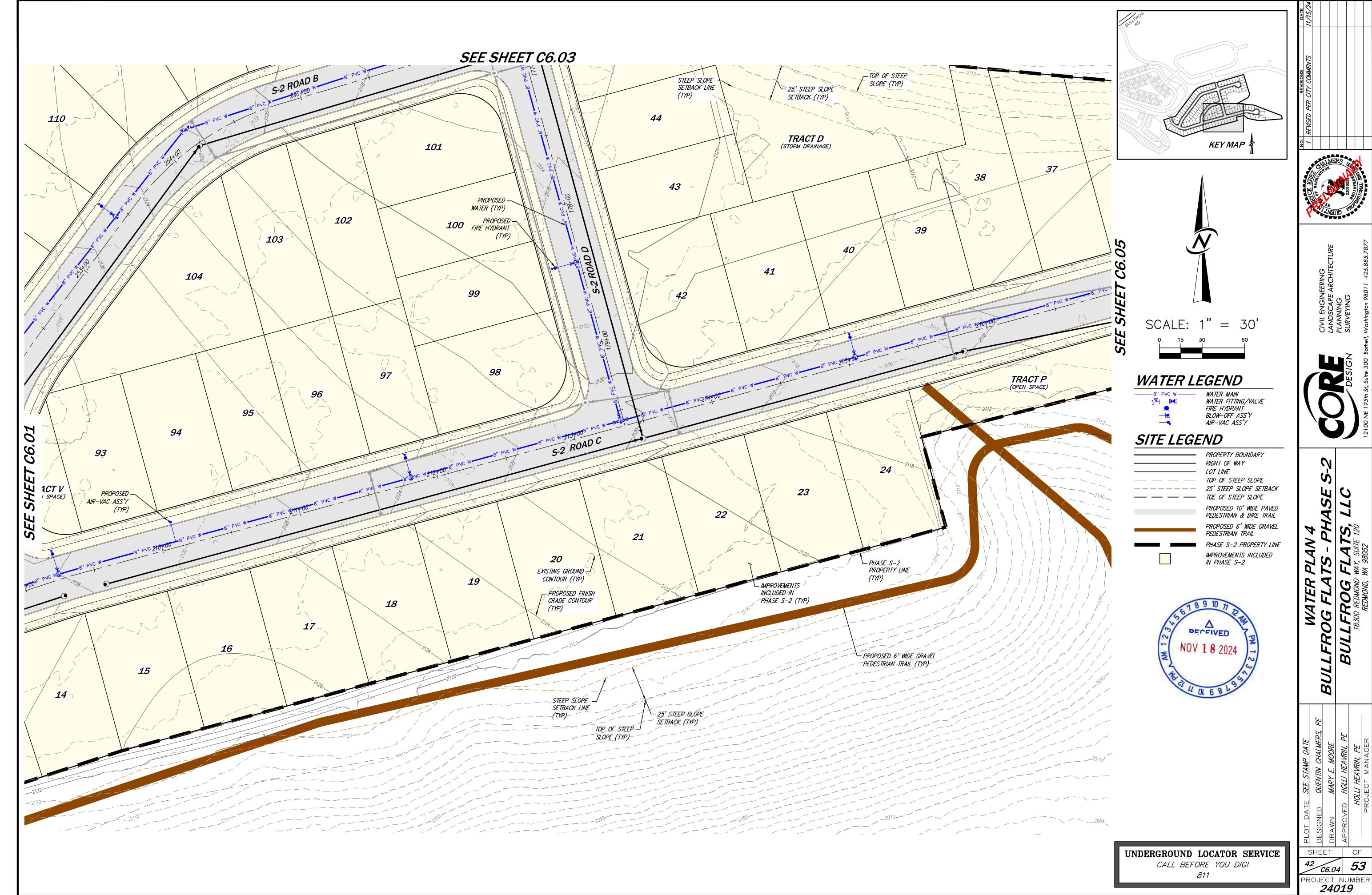


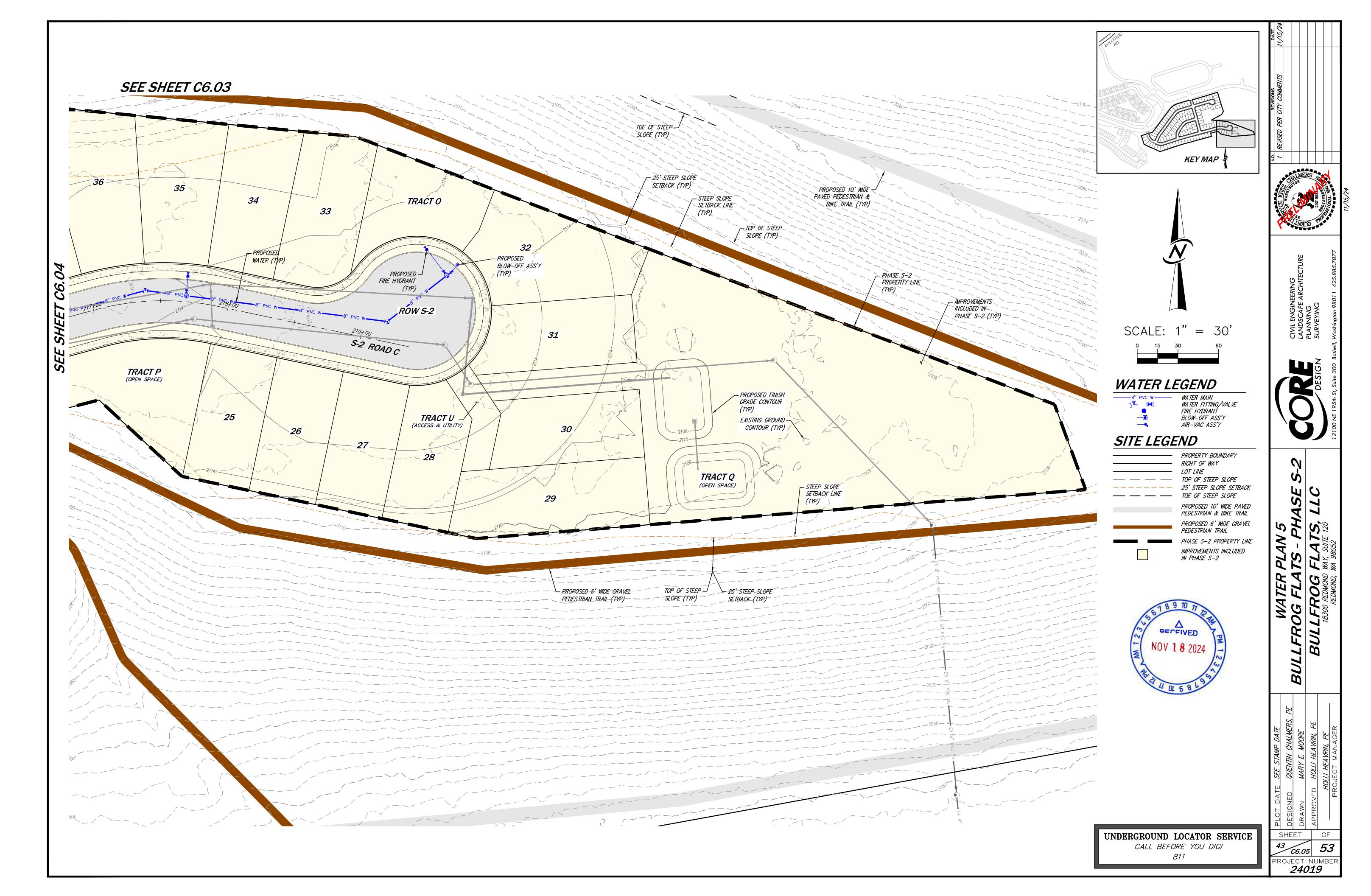
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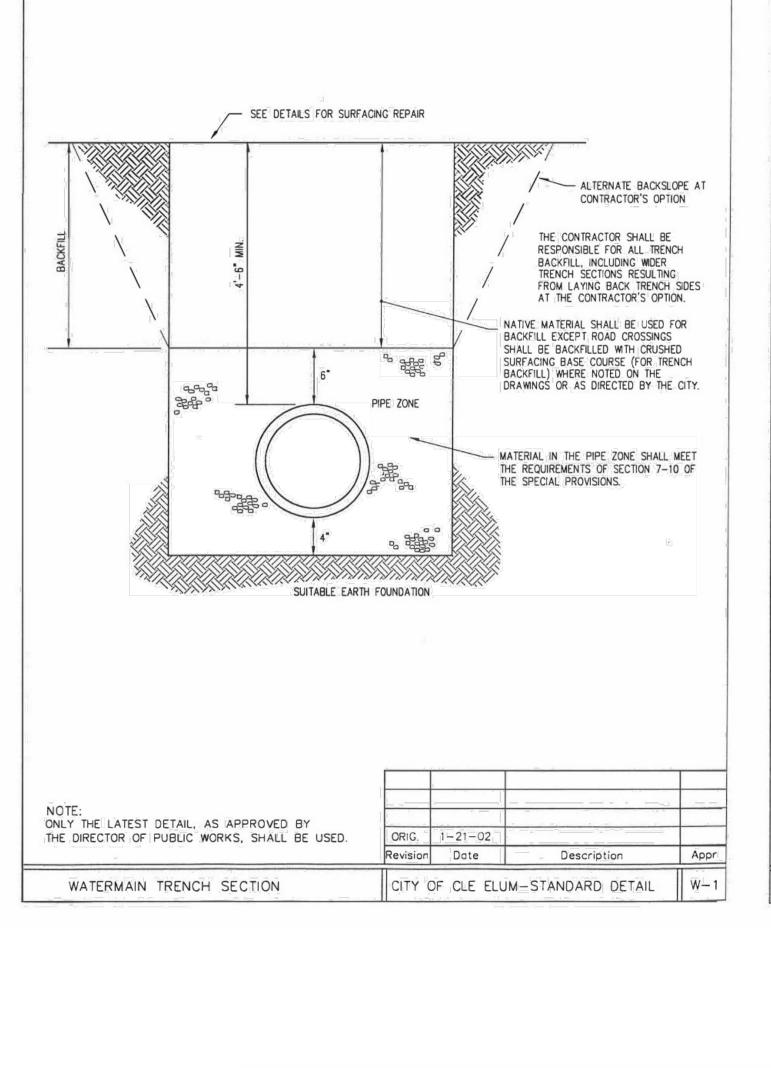


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/15/2024 7:13 AM J:\2024\24019\ENGNEERING\PRELIMINARY\SHEETS\PHASE 3 (S2)\246



CLASS 3000 CONCRETE POURED IN PLACE

CLASS 3000 CONCRETE-

UNDISTURBED EARTH?

THIS VIEW TYPICAL OF ALL BLOCKING

SIDE VIEW

ONLY THE LATEST DETAIL, AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE USED.

TYPICAL THRUST BLOCKING

POURED IN PLACE W

10"

FORM CONCRETE TO ALLOW REMOVAL OF BOLTS

MINIMUM END AREAS

TEES 90' BENDS 45' BENDS 11 1/4' AND 22 1/2' BENDS

5.1 SQ FT 7.2 SQ FT 3.9 SQ FT 2.0 SQ FT

8.8 SQ FT | 12.4 SQ FT | 6.7 SQ FT | 3.4 SQ FT

14.3 SQ FT | 20.2 SQ FT | 11.0 SQ FT | 5.6 SQ FT

20.4 SQ FT | 28.9 SQ FT | 15.7 SQ FT | 7.9 SQ FT

27.7 SQ FT 39.2 SQ FT 21.2 SQ FT 10.7 SQ FT

35.8 SQ FT 51.2 SQ FT 27.5 SQ FT 13.9 SQ FT

CLASS 3000 CONCRETE -POURED IN PLACE

UNDISTURBED EARTH

FOR SPECIAL THRUST BLOCK DESIGN.

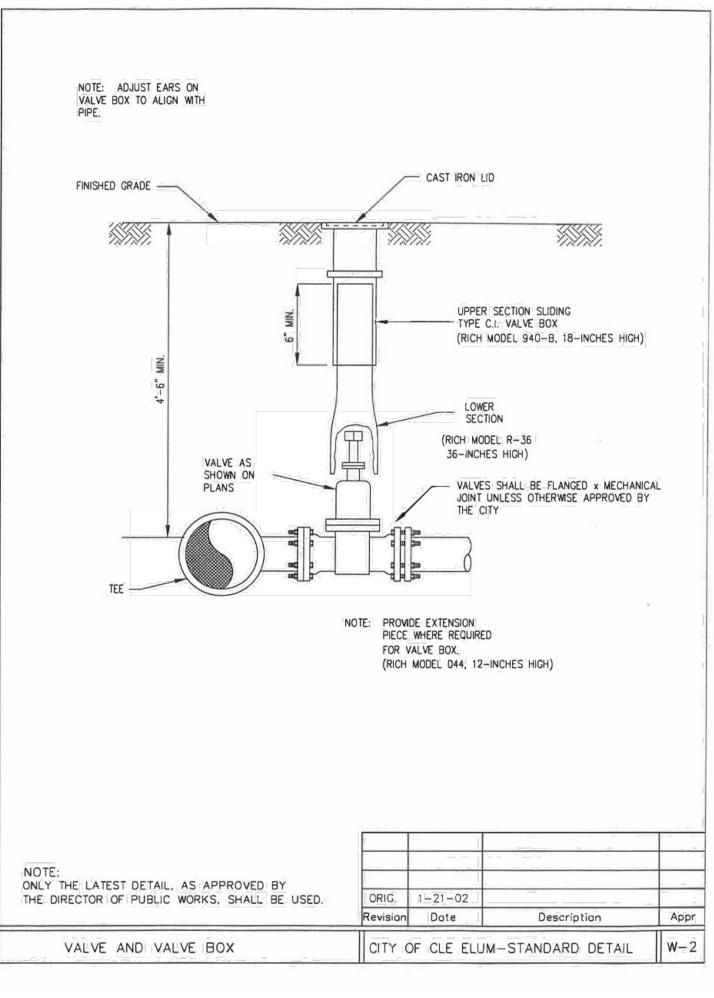
PLUGS AND CAPS

1. D IS APPROXIMATE PIPE DIAMETER. THE ABOVE END AREAS ARE BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSE AND 250 PSI TEST PRESSURE

2. DIMENSIONS LISTED DENOTE MINIMUM STANDARDS FOR SOIL AND TEST PRESSURES SHOWN, SHOULD TEST PRESSURE AND/OR SOIL CONDITIONS VARY, THE CONTRACTOR SHALL CONTACT THE ENGINEER

3. ALL FITTINGS AND/OR PIPE MAKING DIRECT CONTACT WITH CONCRETE SHALL BE WRAPPED WITH 4 MIL POLYETHYLENE

SHEETING PRIOR TO PLACEMENT OF CONCRETE.



CONCRETEPOURED IN PLACE

VERTICAL OVERBEND

2.0 FT

2.0 FT

2.0 FT

2.5 FT

3.0 FT

4.0 FT

Appr

#7

Description

BENDS

FORM CONCRETE TO ALLOW REMOVAL OF BOLTS

VERTICAL OVERBEND

PIPE SIZE 22 1/2' BEND 45' BEND REBAR SIZE L

39 CU FT

110 CU FT

157 CU FT

1-21-02

Date

CITY OF CLE ELUM-STANDARD DETAIL

34 CU FT 67 CU FT

107 CU FT 212 CU FT

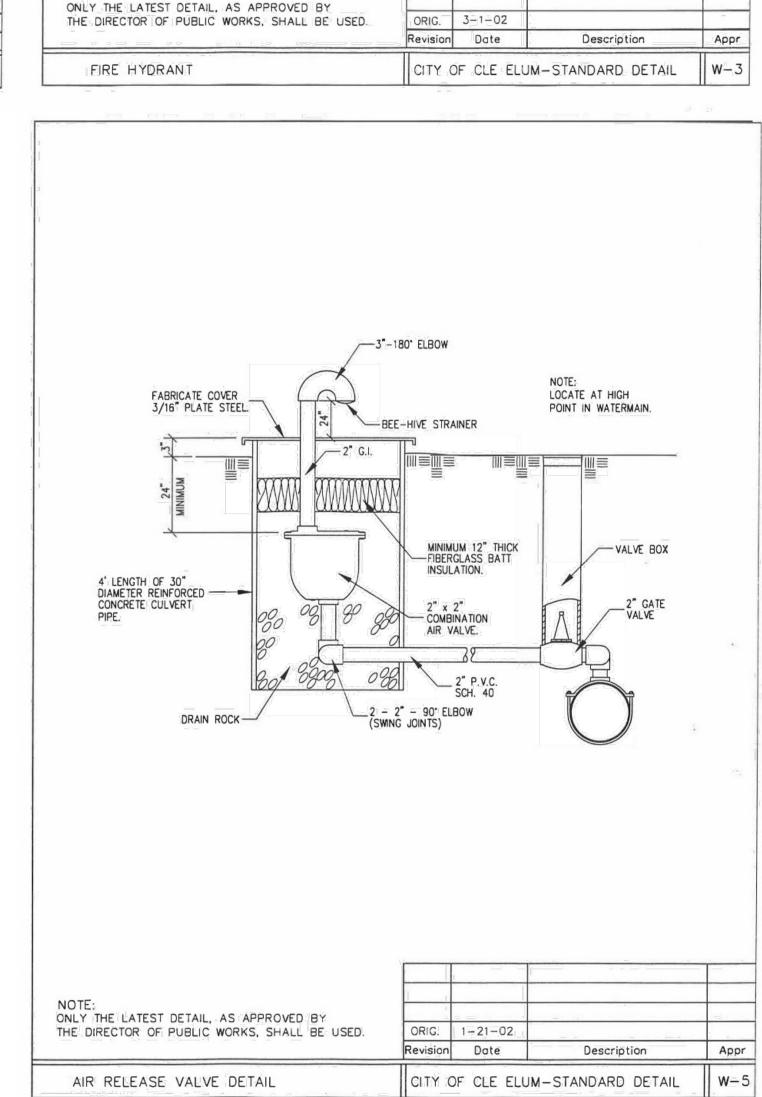
139 CU FT | 275 CU FT

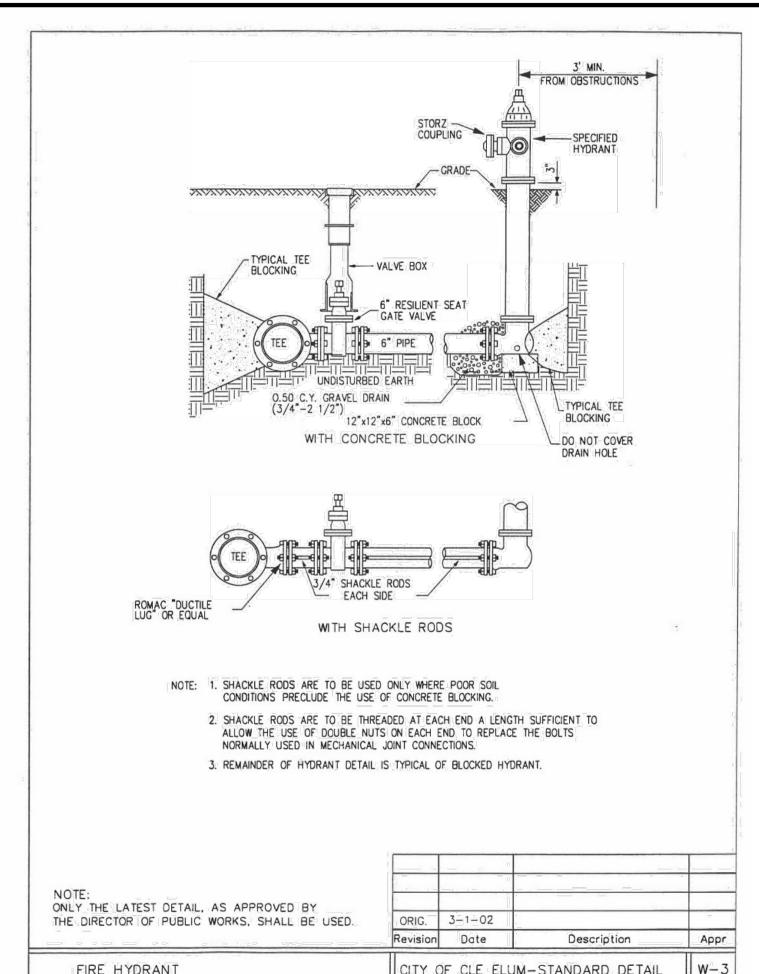
20 CU FT

56 CU FT

79 CU FT

10"









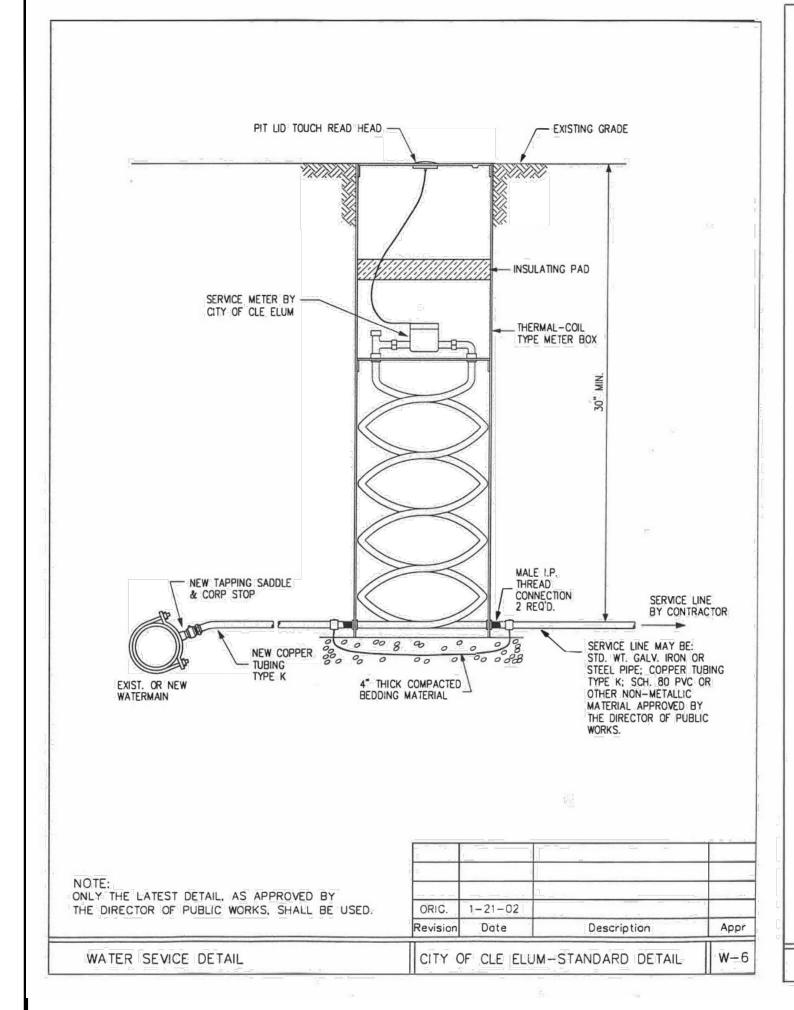
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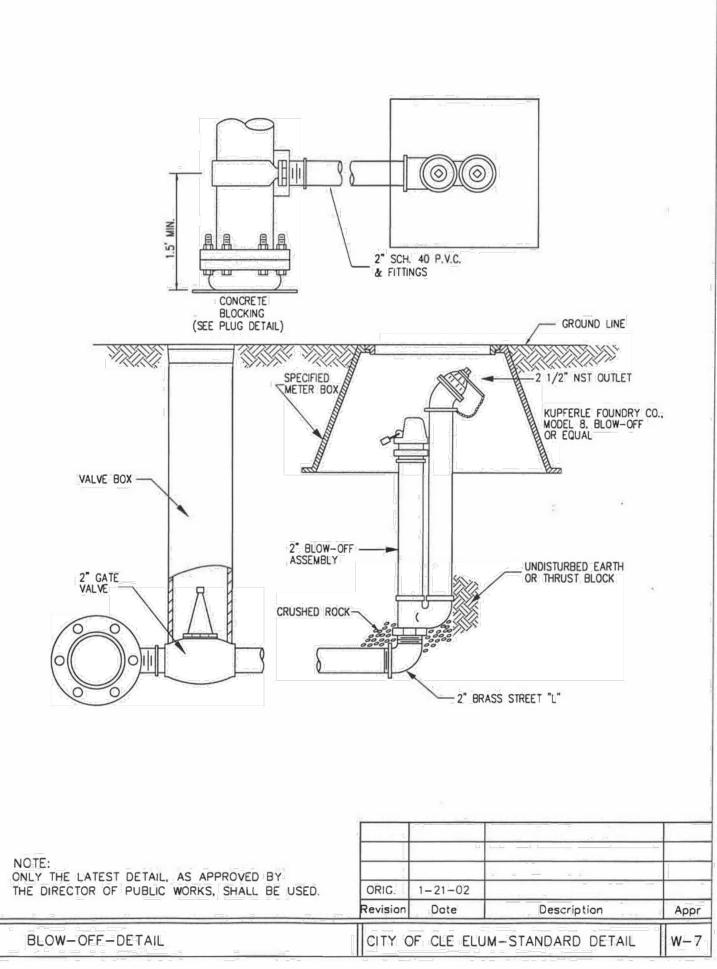
SHEET *53* C6.31 PROJECT NUMBER

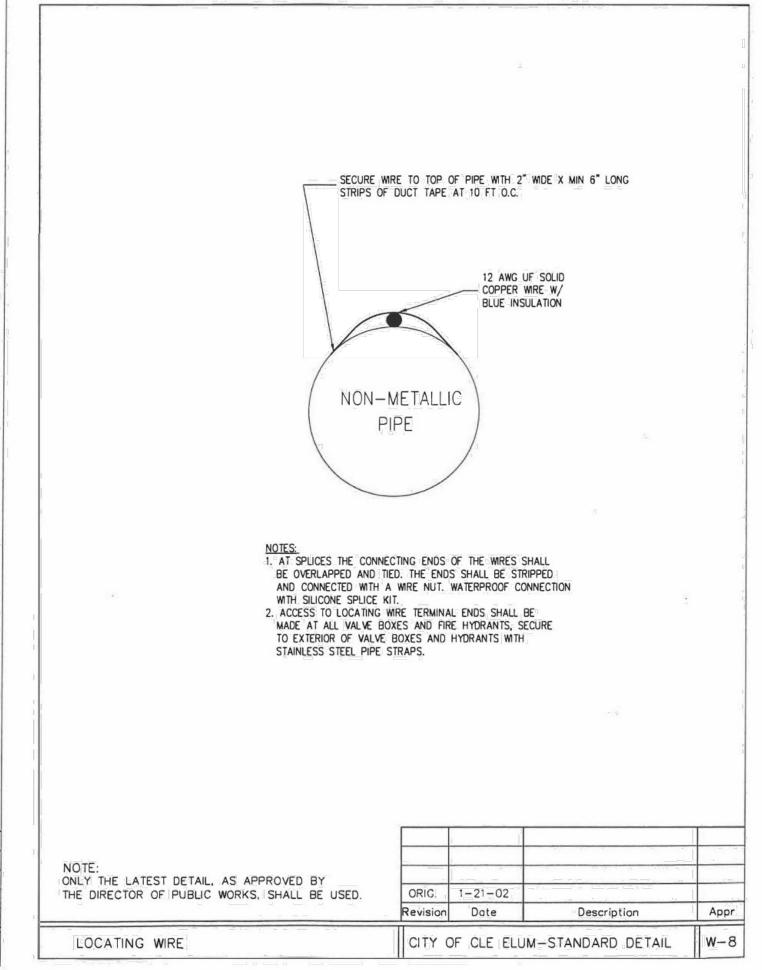
24019

UNDERGROUND LOCATOR SERVICE

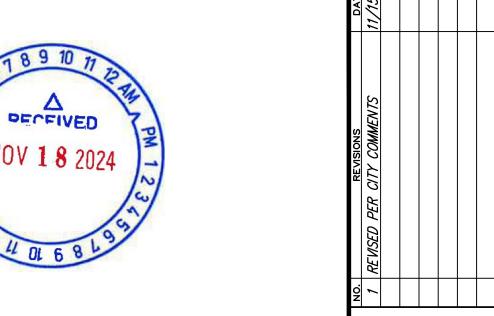
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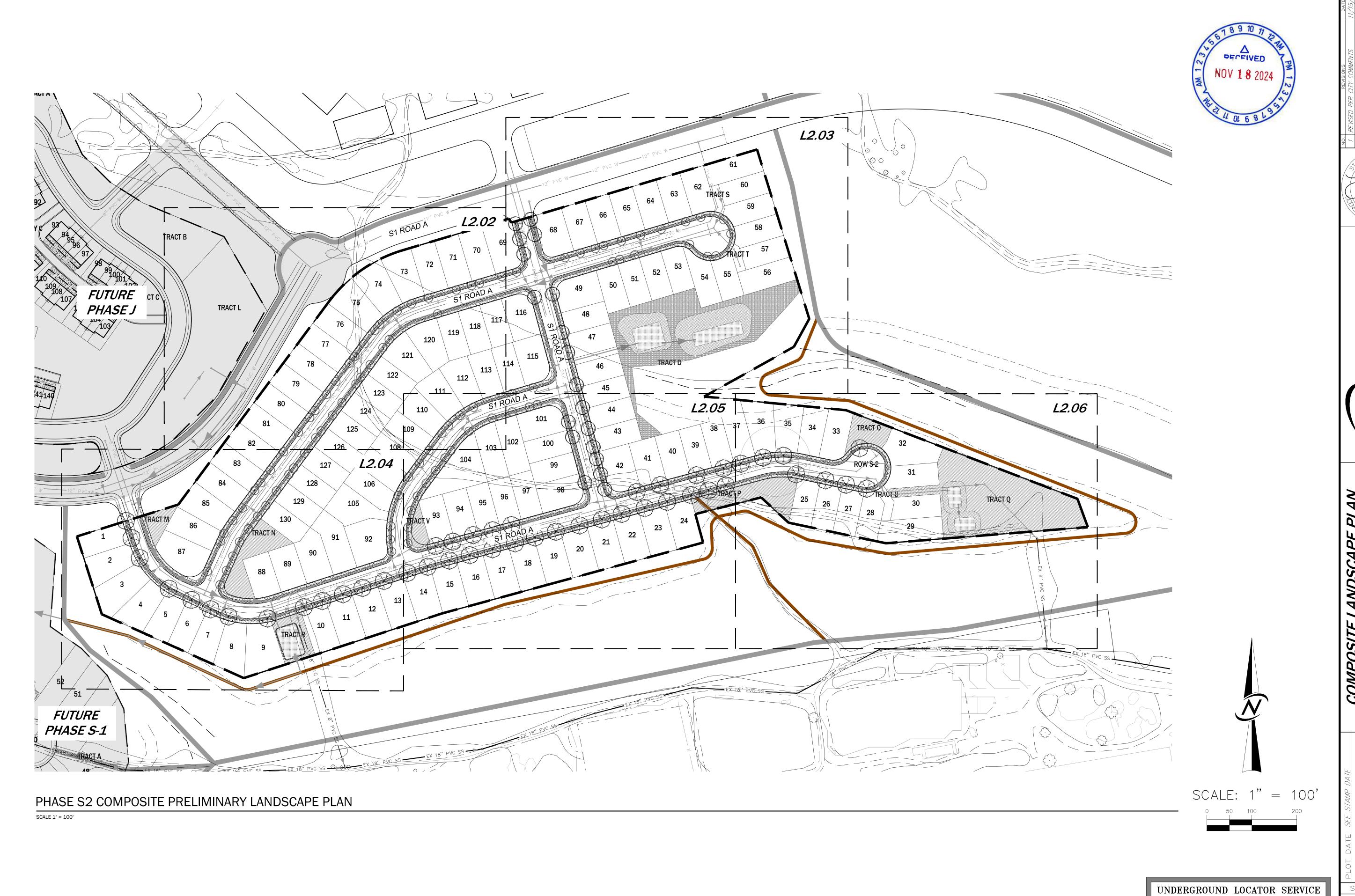






SHEET OF 45 C6.32 53 PROJECT NUMBER **24019**

UNDERGROUND LOCATOR SERVICE
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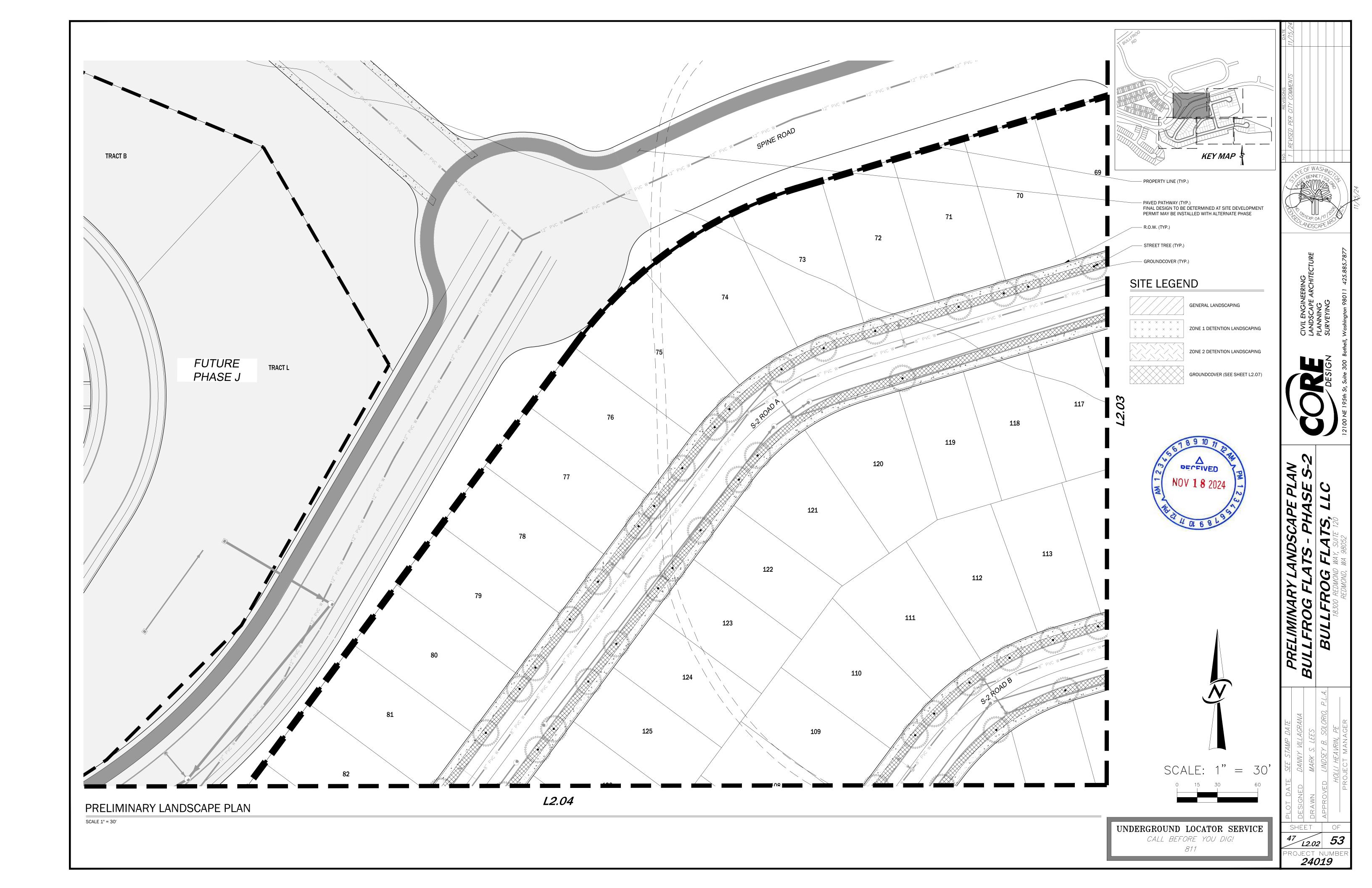
UNDERGROUND LOCATOR SERVICE

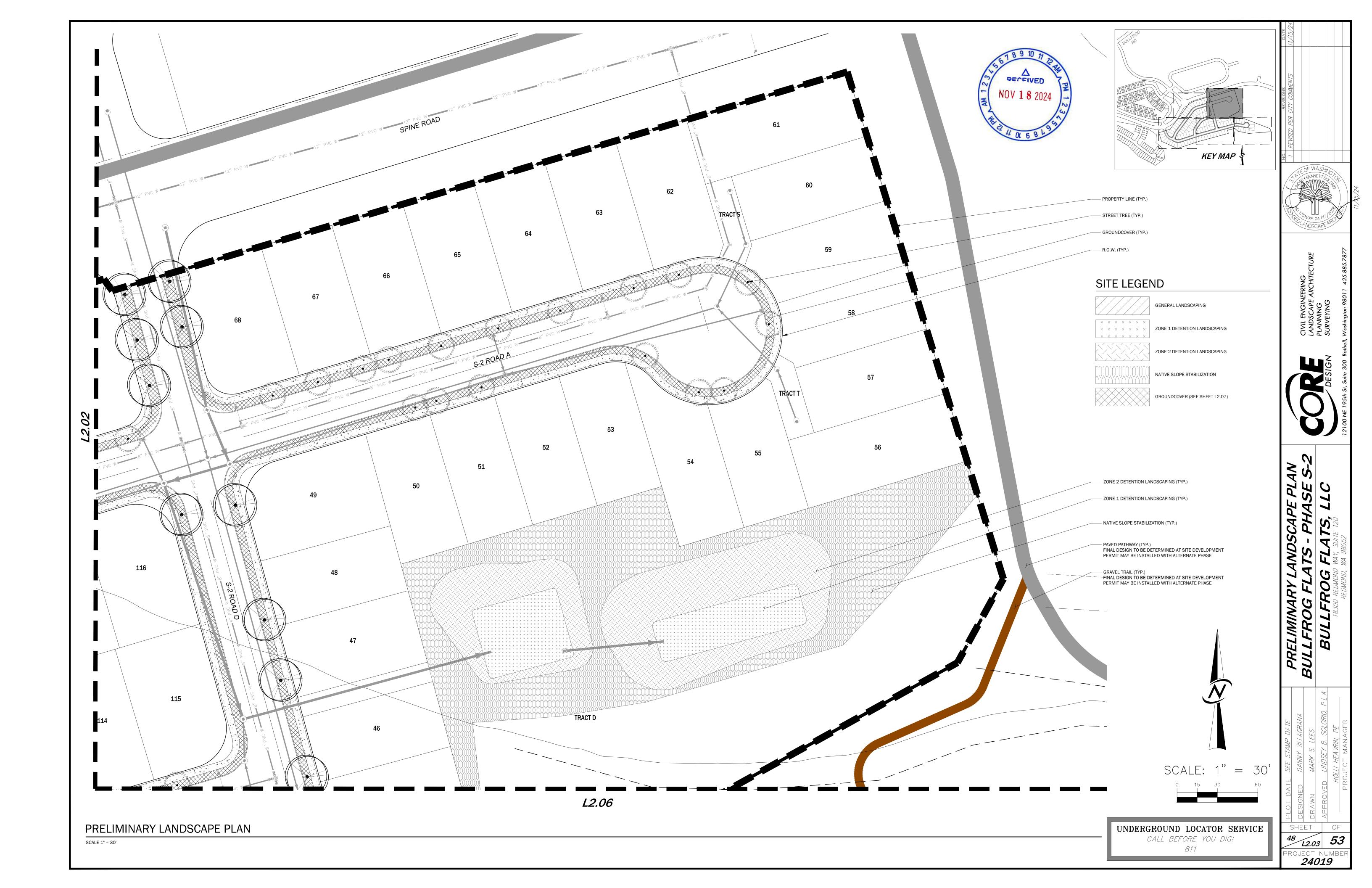
CALL BEFORE YOU DIG!

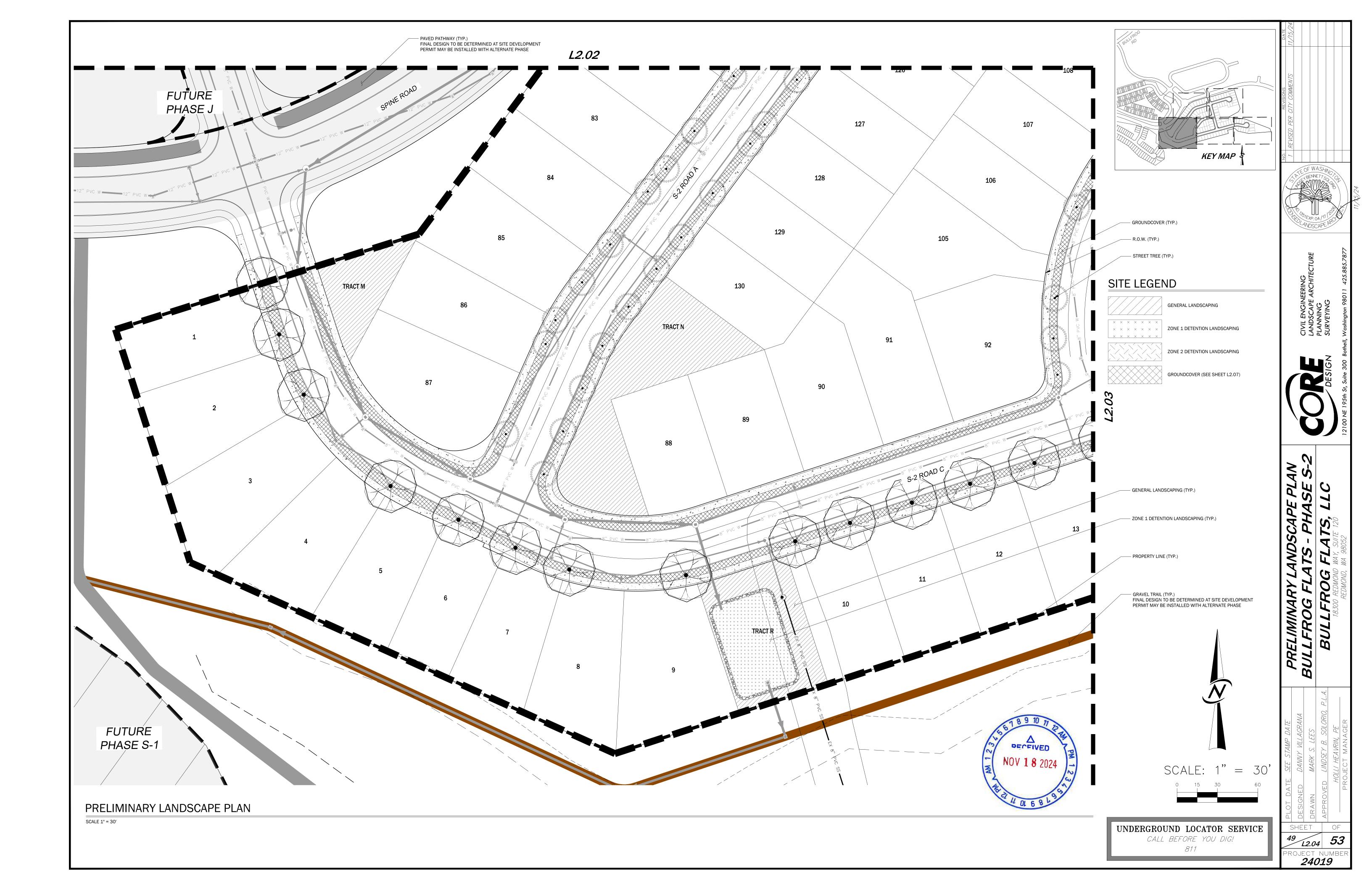
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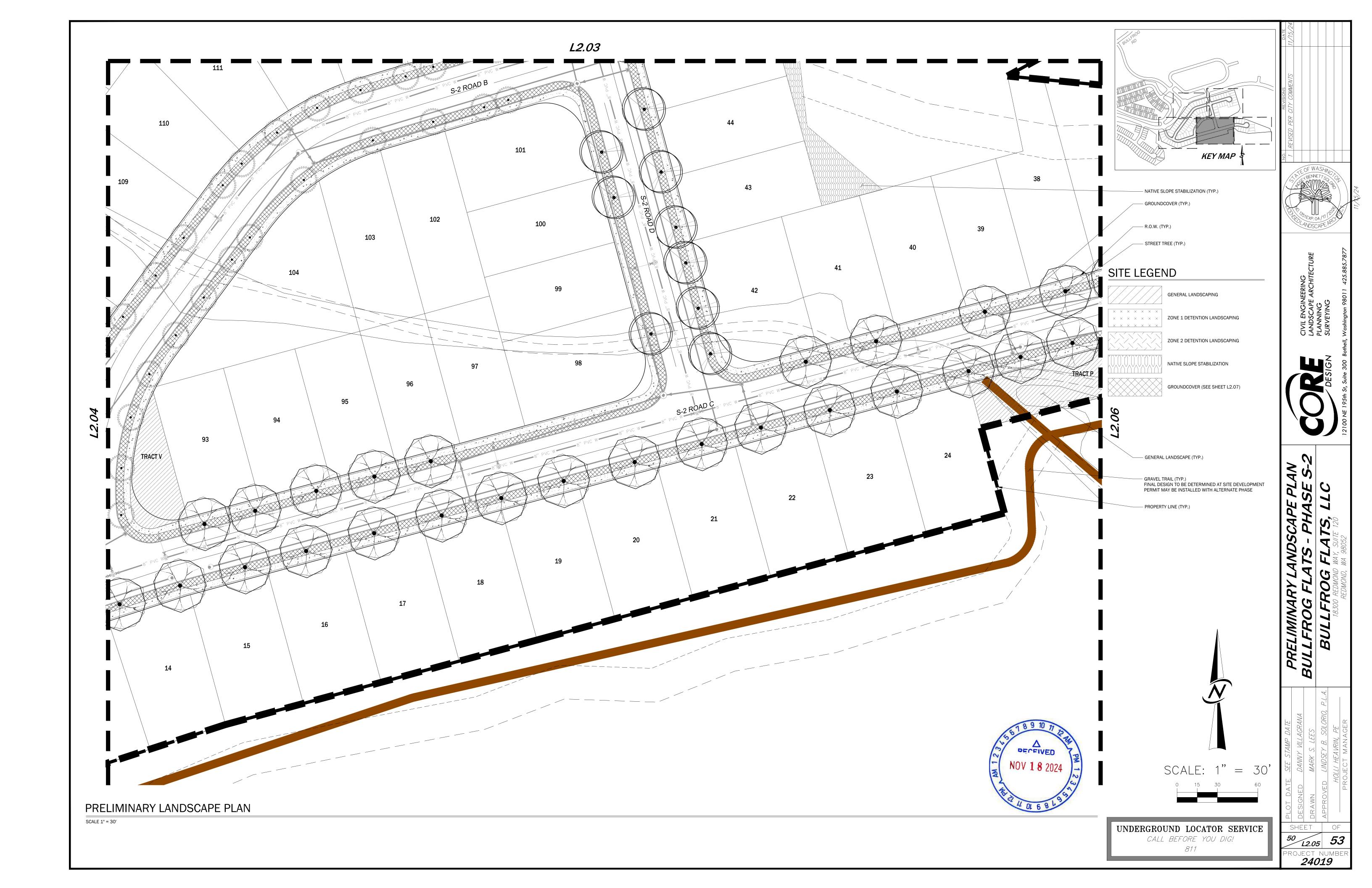
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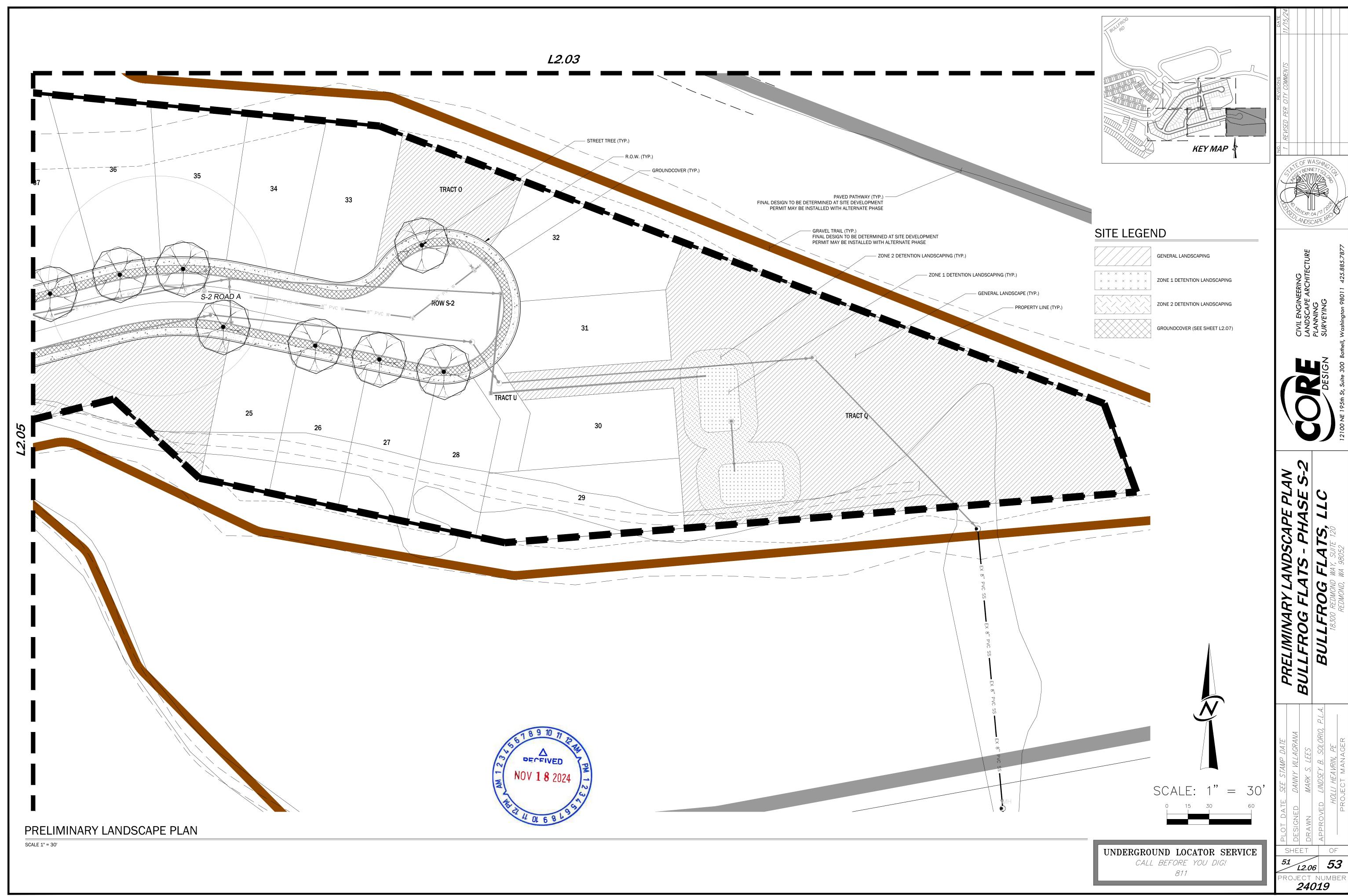
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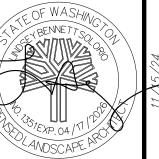












PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE		
STREET TE	REES					
	19	GLEDITSIA TRIACANTHOS F. INERMIS DROUGHT TOLERANT	THORNLESS HONEY LOCUST	2" CAL. MIN. AND 12' HT. MIN,		
000000000000000000000000000000000000000	93	PARROTIA PERSICA DROUGHT TOLERANT	PERSIAN PARROTIA	2" CAL. MIN. AND 12' HT. MIN,		
	46	QUERCUS VELUTINA DROUGHT TOLERANT	BLACK OAK	2" CAL. MIN. AND 12' HT. MIN,		
SYMBOL	<u>QTY</u>	BOTANICAL NAME	COMMON NAME	SIZE		
SHRUB AR	PEAS					
	72,660 SF	GENERAL LANDSCAPING GENERAL LANDSCAPING LOCATED 30` NEAR BUILDING SETBACKS TO CONSIST OF NON-TO-LOW-FLAMMABLE PLANTINGS.				
		ARBUTUS UNEDO `COMPACTA`	DWARF STRAWBERRY TREE	2 GAL./24" HT. MIN.		
		DROUGHT TOLERANT GAULTHERIA SHALLON	SALAL	2 GAL./24" HT. MIN.		
		DROUGHT TOLERANT HOLODISCUS DISCOLOR	OCEAN-SPRAY	2 GAL./24" HT. MIN.		
		DROUGHT TOLERANT ACER MACROPHYLLUM	BIG LEAF MAPLE	5 GAL./24" HT. MIN.		
		LAWN FERN MIX 75% POLYSTICHUM MUNITUM 25% BLECHNUM SPICANT DROUGHT TOLERANT NATIVE POLLINATOR MEADOW SEED MIX ANNUAL WILDFLOWERS 29% PERENNIAL WILDFLOWERS 47% GRASSES 24%	WEST OF THE CASCADES	5 GAL./24" HT. MIN. 1 GAL. HYDROSEED		
	19,550 SF	ZONE 2 DETENTION LANDSCAPING				
		ARTEMISIA FRIGIDA DROUGHT TOLERANT CHAMAEBATIARIA MILLEFOLIUM CORNUS SERICEA PAXISTIMA MYRSINITES PHILADELPHUS LEWISII FRAGARIA CHILOENSIS ZONE 2 NATIVE GRASS SEED MIX	FRINGED WORMWOOD FERNBUSH RED TWIG DOGWOOD OREGON BOXWOOD WILD MOCK ORANGE BEACH STRAWBERRY	2 GAL./24" HT. MIN. 4" POT HYDROSEED		
× × × × × × × × ×	12,727 SF	ZONE 1 DETENTION LANDSCAPING				
x x x x x x x x x x x x x x x x x x x		MAHONIA NERVOSA DROUGHT TOLERANT	OREGON GRAPE	2 GAL./24" HT. MIN.		
* * * * * * * *		PHYSOCARPUS MALVACEUS	MALLOW NINEBARK	2 GAL./24" HT. MIN.		
× × × × × × × × × × × × × × × × × × ×		DROUGHT TOLERANT SPIRAEA DOUGLASII ZONE 1 NATIVE GRASS SEED MIX	WESTERN SPIREA	2 GAL./24" HT. MIN. HYDROSEED		
V_V_V_V_V_V	28,101 SF	NATIVE SLOPE STABILIZATION				
GROUND COVERS						
GROUND (49,795 SF	ARCTOSTAPHYLOS UVA-URSI DROUGHT TOLERANT	KINNIKINNICK	4" POT		

GENERAL NOTES

- 1. THE LANDSCAPE CONTRACTOR MUST BE LICENSED AND OR BONDED. CONTRACTOR MUST BE EXPERIENCED IN LANDSCAPE WORK OF THE BEST TRADE PRACTICES AND HAVE THE NECESSARY EQUIPMENT AND PERSONNEL TO PERFORM WORK.
- 2. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HER/HIMSELF WITH THE SITE AND ALL OTHER SITE IMPROVEMENTS PRIOR TO THE START
- 3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND USE CAUTION WHILE EXCAVATING IN ORDER TO AVOID DISTURBING ANY EXISTING UTILITIES. THE LANDSCAPE CONTRACTOR WILL PROMPTLY NOTIFY THE GENERAL CONTRACTOR AND OWNER OF ANY CONFLICTS. IN THE EVENT OBSTRUCTIONS ARE ENCOUNTERED DURING PLANTING ACTIVITIES, ALTERNATIVE LOCATIONS MAY BE SELECTED BY THE OWNER'S REPRESENTATIVE.
- 4. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL WORK RELATED TO OTHER TRADES AS REQUIRED.
- 5. THE LANDSCAPE CONTRACTOR SHALL PROVIDE ALL PLANTS OF THE CORRECT SIZE, SPECIES VARIETY, QUANTITY AND QUALITY AS SPECIFIED ON PLANT SCHEDULE AND SYMBOLS ON LANDSCAPE PLAN. IF UNAVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY AND PROVIDE THE NAMES AND TELEPHONE NUMBERS OF THREE NURSERY SUPPLIERS OR PLANT BROKERS THAT HAVE BEEN CONTACTED. SUBSTITUTIONS SHALL ONLY BE MADE UPON THE APPROVAL OF THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- 6. ALL PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING. ALL PLANT MATERIAL SHALL CONFORM TO THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANSI Z60.1).
- 7. THE LANDSCAPE CONTRACTOR SHALL DELIVER, MAINTAIN AND WATER PLANT MATERIAL UNTIL OWNERS FINAL ACCEPTANCE IS RECEIVED.
- 8. THE LANDSCAPE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ALL PROPERTY, INCLUDING PAVEMENT, WALKWAYS, CURBS, FENCING, STRUCTURES, ETC.. DURING CONSTRUCTION.
- 9. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING INFORMED OF ALL EXISTING CODES, LAWS AND ORDINANCES RELATING TO THE WORK REQUIRED ON SITE, AND SHALL COMPLY ACCORDINGLY.
- 10. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ASSURE PROPER SUBGRADES ARE MET.
- 11. THE LANDSCAPE CONTRACTOR SHALL SUBMIT THREE REPRESENTATIVE SOIL SAMPLES TO THE OWNER'S REPRESENTATIVE FOR TESTING BY AN APPROVED SOIL TESTING LABORATORY. AMENDMENTS SHALL BE ADDED TO THE SOIL MIX AS RECOMMENDED BY SOIL TESTING LAB.
- 12. THE LANDSCAPE CONTRACTOR SHALL RAKE PREPARED AREAS AND REMOVE ANY ROCK OR DEBRIS OVER 1". ALL LAWN AREAS SHALL BE ROLLED TO PROVIDE A FIRM, SMOOTH SURFACE FREE OF DIVOTS OR MOUNDS.
- 13. THE LANDSCAPE CONTRACTOR SHALL PROVIDE A 2" DEEP LAYER OF MULCH IN ALL PLANTING BEDS.
- 14. MULCH SHALL BE 100% NATURAL FIR OR HEMLOCK, FINE GROUND, OF UNIFORM COLOR, FREE FROM DYES, WEED SEEDS, SAWDUST & SCRAP LUMBER FIBER, TRASH, INORGANIC MATERIAL OR ANY OTHER COMPOUND DETRIMENTAL TO PLANT GROWTH.
- 15. FERTILIZER SHALL BE A COMPLETE, BALANCED COMMERCIAL BRAND WITH COMPLETE CHEMICAL ANALYSIS SHOWN ON AN UNOPENED CONTAINER WHEN DELIVERED. FERTILIZER SHALL BE APPLIED AT RATES CONSISTENT WITH THE MANUFACTURER'S RECOMMENDATIONS AND SOIL TESTING LAB'S RECOMMENDATIONS.
- 16. WORK AREAS TO BE KEPT NEAT AND ORDERLY AND FREE OF DEBRIS AND RUBBISH AT ALL TIMES DURING PROGRESS OF WORK. RAKE BEDS NEATLY TO AN EVEN FINE GRADE AROUND ALL PLANTS. ALL PAVED AREAS ARE TO BE CLEANED BY BROOM AND/OR WASHED AFTER EACH DAY'S WORK OR MORE FREQUENTLY AS REQUIRED. ALL PLANTING AREAS AND ADJACENT PAVED AREAS SHALL BE LEFT IN A NEAT AND CLEAN CONDITION UPON COMPLETION OF JOB.
- 17. IF A DISCREPANCY EXISTS BETWEEN THE PLANT QUANTITIES ON THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLAN THE QUANTITIES ON THE PLAN SHALL
- 18. PROPOSALS FOR PLANT SUBSTITUTIONS, LOCATION ADJUSTMENTS, SOIL AMENDMENTS OR ANY VARIATIONS FROM THE APPROVED PLANS SHALL REQUIRE PRIOR APPROVAL BY THE CITY OF CLE ELUM PLANNING.
- 19. SOILS LOCATED IN PLANTING AREAS THAT HAVE BEEN COMPACTED TO A DENSITY GREATER THAN THAT PENETRABLE WITH A HAND SHOVEL (APPROX. 85%), SHALL BE LOOSENED TO INCREASE AERATION FOR A MINIMUM DEPTH OF 18 INCHES FOR THE ENTIRE AREA OF THE COMPACTED SOILS UTILIZED FOR LANDSCAPE PURPOSES. IMPORTED TOPSOIL SHALL BE INCORPORATED INTO LOOSENED SUB GRADE TO A MINIMUM DEPTH OF 6". VERIFICATION OF THE NEED FOR ADDITIONAL SOIL AMENDMENTS WILL BE MADE AT THIS TIME. RECOMMENDED AMENDMENTS SHALL BE APPLIED PRIOR TO PLANTING.
- 20. DRAINAGE: CONTRACTOR SHALL NOTIFY THE OWNER OF ANY LOW POINTS OR FORESEEN POOR DRAINING AREAS EXISTING ON-SITE AND PROVIDE CORRECTIVE DRAINAGE PLANS PRIOR TO COMMENCING LANDSCAPE WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE IN ALL FINISHED LANDSCAPE AREAS THAT ARE PART OF THIS SCOPE OF WORK. ALL POSITIVE DRAINAGE FROM LANDSCAPE AREAS SHALL BE DISCHARGED APPROPRIATELY AND SHALL NOT CREATE DRAINAGE PROBLEMS OFF-SITE OR IN OTHER AREAS OF THE PROJECT. FINISHED LANDSCAPE AREAS WITH PONDING WATER OR OTHER POOR DRAINAGE CONDITIONS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 21. OWNER SHALL APPROVE PLANT MATERIAL & PLANTING BED LOCATION PRIOR TO INSTALLATION. ALLOW 24 HOURS MINIMUM NOTIFICATION FOR INSPECTION REQUEST. PLANT MATERIAL THAT HAS BEEN APPROVED FOR INSTALLATION SHALL BE PLANTED WITHIN 24 HOURS. INSTALLATION SHALL NOT BE CONDUCTED UNDER ADVERSE WEATHER CONDITIONS WITHOUT PRIOR APPROVAL OF THE RESPONSIBLE OFFICIAL. PLANT MATERIAL THAT CANNOT BE PLANTED WITHIN ONE DAY FOLLOWING ARRIVAL SHALL BE HEELED-IN, KEPT MOIST AND PROTECTED AT ALL TIMES FROM EXTREME WEATHER CONDITIONS. PLANTS SHALL BE STORED AT THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 22. TREE PITS SHALL BE A MINIMUM OF TWO TIMES (2X) THE DIAMETER OF THE TREE'S ROOT MASS. ADDITIONAL AERATION MAY BE REQUIRED AS DIRECTED BY THE RESPONSIBLE OFFICIAL. ADD WATER TUBES TO THE TREE PLANTINGS IN PAVED AREAS.
- 23. STREET TREES SHALL BE SYMMETRICAL AND UNIFORM IN APPEARANCE, SIZE AND STRUCTURE.
- 24. STREET TREE AND SHRUB INSTALLATIONS SHALL CONFORM TO THE FOLLOWING GENERAL GUIDELINES: A.) TREES SHALL NOT BE PLANTED IN LOCATIONS THAT COULD LEAD TO ROOTS DAMAGING SIDEWALKS OR CURBING, OR IN ANY OTHER LOCATION THAT MAY CAUSE A
- 25. PLANT MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS. PLANT MATERIAL THAT HAS LOST MORE THAN 30 PERCENT OF ITS NORMAL FOLIAGE SHALL BE REPLACED AT CONTRACTOR'S EXPENSE AS DIRECTED BY THE RESPONSIBLE OFFICIAL.
- 26. ALL TREE STAKES TO BE REMOVED AFTER A PERIOD OF TWO YEARS.
- 27. ALL SLOPES STEEPER THAN 3:1 SHALL BE PROTECTED WITH EROSION CONTROL FABRIC INSTALLED PER MANUFACTURER'S SPECIFICATIONS OR OTHER APPROVED
- 28. ALL SOIL IN LANDSCAPED AREAS SHALL BE AMENDED PER 2012 C.O.R. STANDARD DRAWING 632.



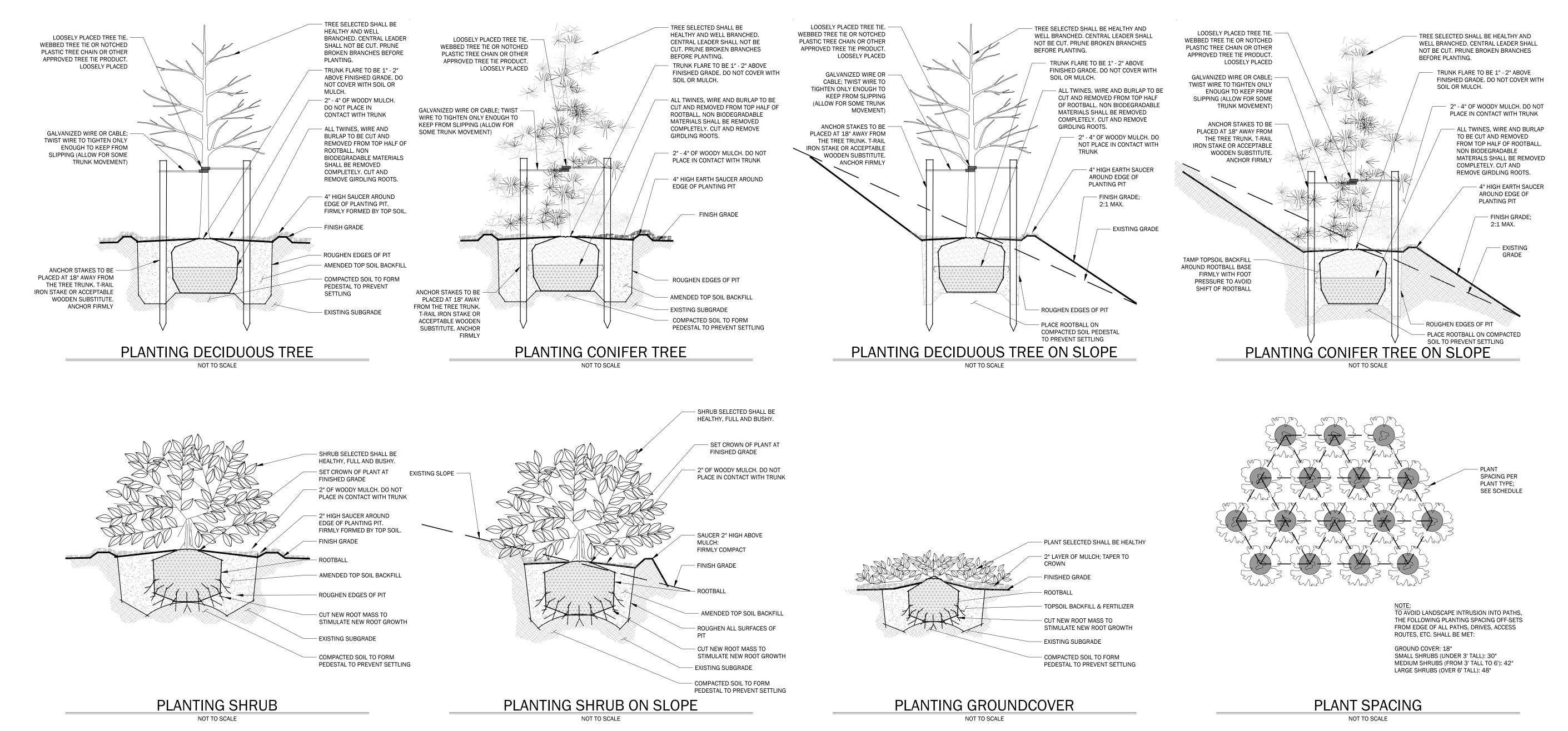
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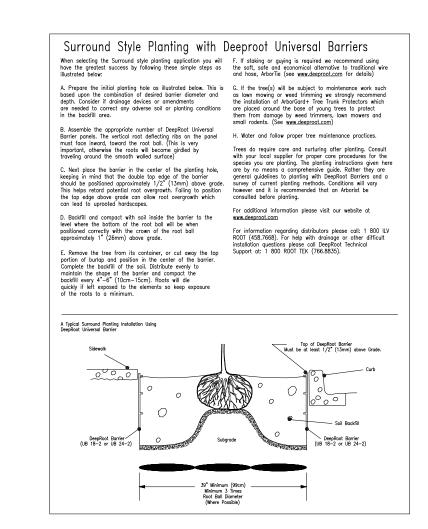


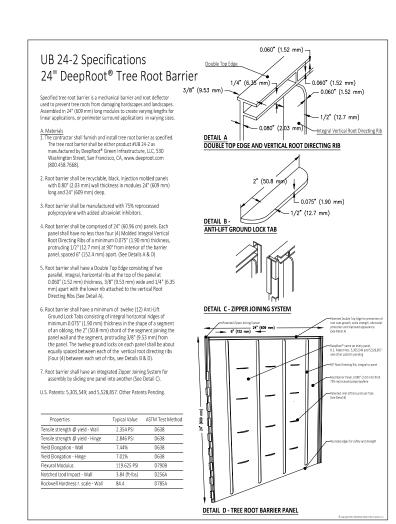


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SHEET

ROOT BARRIER (DEEPROOT UNIVERSAL BARRIER OR SIMILAR) NOT TO SCALE **DEEPROOT**