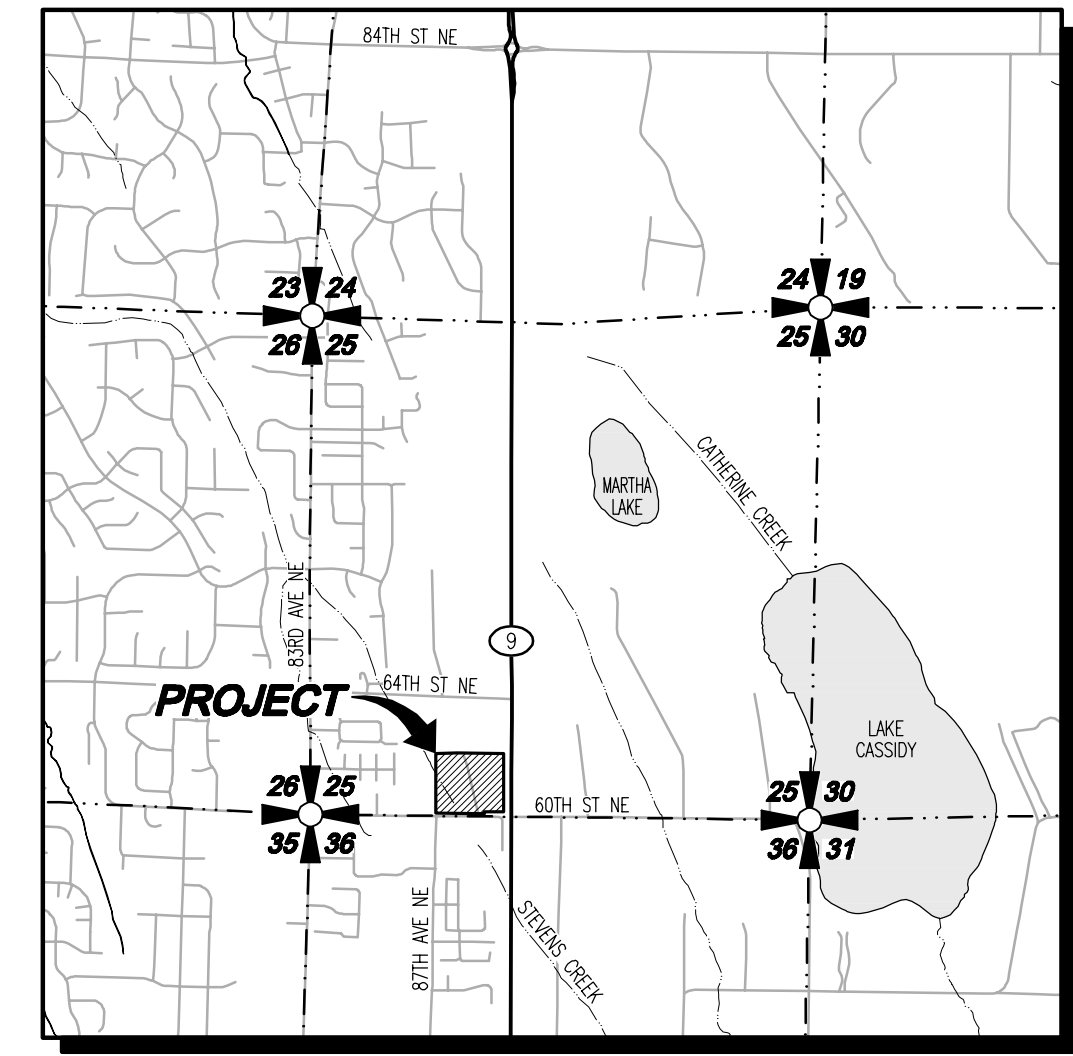
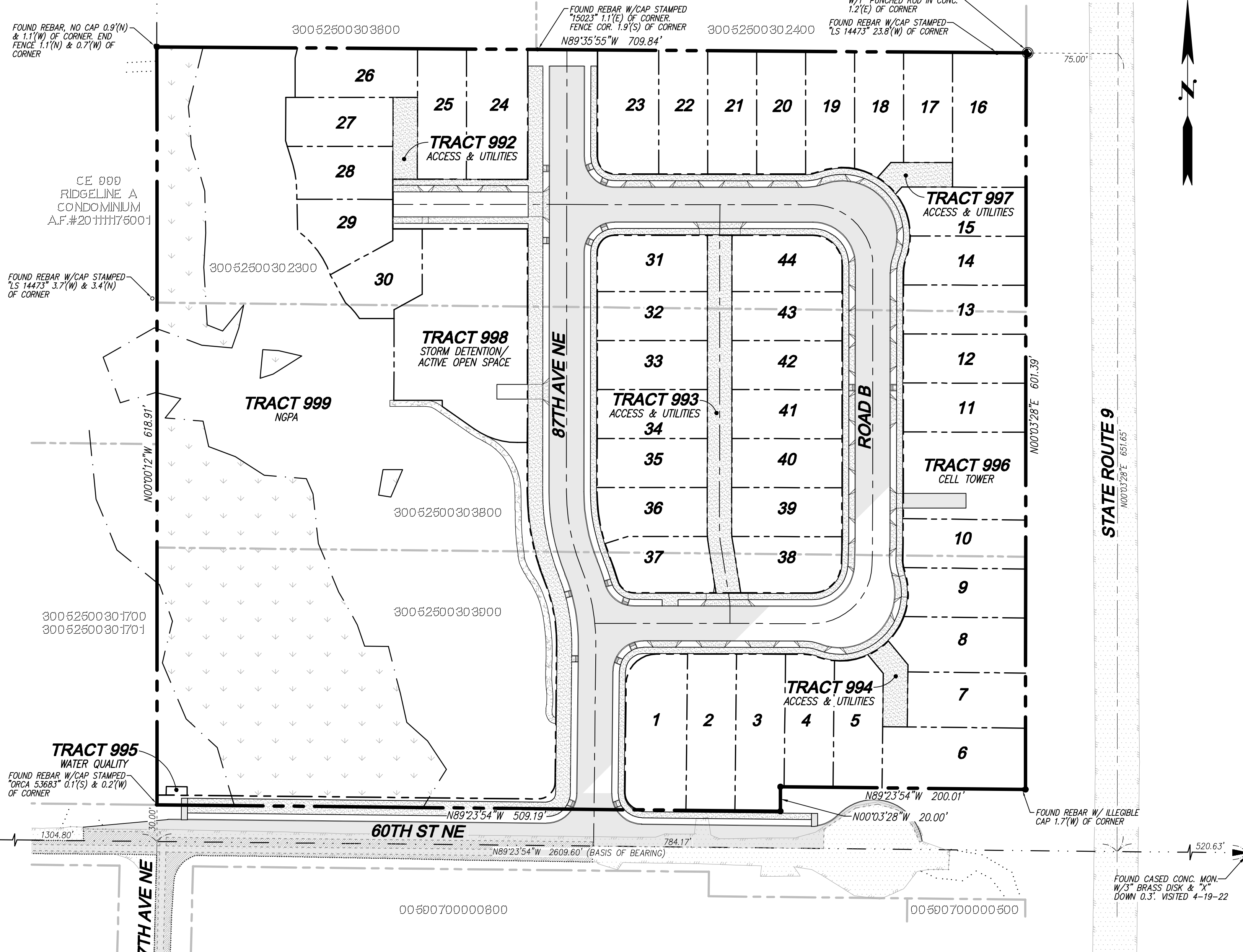


# BRODIE PLAT CONSTRUCTION PLANS

## LEGEND AND ABBREVIATIONS

EXISTING SYMBOLS		ABBREVIATIONS	
	SECTION CORNER	CB	CATCH BASIN
	SECTION QTR CORNER	CL	CENTERLINE
	FOUND MONUMENT IN CASE	CMP	CORRUGATED METAL PIPE
	SET 1/2" X 24" REBAR W/CAP STAMPED "L.S. 37536"	CP	CONCRETE PIPE
	EXISTING REBAR & CAP, AS NOTED	CCP	CONCRETE CYLINDER PIPE
	SIGN POST	EL	ELEVATION
	MAILBOX	EXST.	EXISTING
	CATCH BASIN	FL	FLOWLINE
	CULVERT	IE	INVERT ELEVATION
	FIRE HYDRANT	PL	PROPERTY LINE
	WATER VALVE	PP	POWER POLE
	WATER METER	PVC	POLYVINYL CHLORIDE PIPE
	WELL	R/W	RIGHT-OF-WAY
	GAS VALVE	STA	STATION
	GUY ANCHOR	SD	STORM DRAIN
	UTILITY/POWER POLE	SS	SANITARY SEWER
	TELEPHONE VAULT	SSMH	SANITARY SEWER MANHOLE
	TELEPHONE RISER	TYP	TYPICAL
	POWER VAULT	TBR	TO BE REMOVED
	POWER TRANSFORMER	WPM	WATER PAINT MARK
	SANITARY SEWER MANHOLE	C	CEDAR
	CONIFEROUS TREE	F	FIR
	DECIDUOUS TREE	M	MAPLE
	METAL FENCING	B	BIRCH
	GAS PAINT MARK	<b>PROPOSED WATER SYMBOLS</b>	
	TELEPHONE PAINT MARK		WATER CAP
	POWER PAINT MARK		CONCRETE BLOCKING
	WATER PAINT MARK		BUTTERFLY VALVE
	SEWER PAINT MARK		11" BEND
	UNDERGROUND POWER		45" BEND
	SD CAP		90" BEND
	TYPE 1 CATCH BASIN, GRATED LID		22" BEND
	TYPE 1 CATCH BASIN, SOLID LID		VALVE
	TYPE 2 CATCH BASIN, GRATED LID		HYDRANT ASSEMBLY
	TYPE 2 CATCH BASIN, SOLID LID		BLOW-OFF VALVE
	BEEHIVE MANHOLE COVER		REDUCER
	SQUARE YARD DRAIN		AIR-VAC ASSEMBLY
	ROUND YARD DRAIN		WATER METER
	STORM CLEAN OUT		WATER PIPE
	STORM PIPE	<b>PROPOSED SURVEY SYMBOLS</b>	
	SEWER CAP		SURVEY MONUMENT IN PROPOSED ROAD
	SEWER CLEANOUT		
	SEWER MANHOLE		
	SEWER PIPE		



VICINITY MAP  
SCALE: 1" = 2000'

## SURVEY INFORMATION LEGAL DESCRIPTION

**PARCEL A:**  
LOT 2, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**PARCEL B:**  
LOT 3, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**PARCEL C:**  
LOT 4, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHEAST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**VERTICAL DATUM**  
NAVD 88

FOUND CONCRETE MONUMENT WITH A 3" BRASS DISK AND "X" 0.3" DEEP IN MONUMENT CASE WITH A BROKEN LID IN THE CENTER OF THE NORTHBOUND LANE OF 83RD AVE. N.E., AT ITS INT. WITH 60TH ST. N.E.  
ELEV.=382.91'

## BASIS OF BEARING EQUIPMENT & PROCEDURES

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., AS THE BEARING OF N 89°23'54" W, PER SURVEY RECORDED UNDER AF#200301175004

**METHOD OF SURVEY:**  
SURVEY PERFORMED BY FIELD TRAVERSE

**INSTRUMENTATION:**  
LEICA TORA 1105 ROBOTIC ELECTRONIC TOTAL STATION

**PRECISION:**  
MEETS OR EXCEEDS STATE STANDARDS WAC 332-130-090

## SURVEY REFERENCES

- (R1) RECORD OF SURVEY - A.F.#200301175004
- (R2) SNO. CO. SP-348(11-81) - A.F.#8207290183

## SURVEY NOTES

1.) THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF PARTIES WHOSE NAMES APPEAR HEREON ONLY, AND DOES NOT EXTEND TO ANY UNNAMED THIRD PARTIES WITHOUT EXPRESS RECERTIFICATION BY THE LAND SURVEYOR OF RECORD.

2.) BOUNDARY LINES SHOWN AND CORNERS SET REPRESENT DEED LOCATIONS; OWNERSHIP LINES MAY VARY. NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED.

## CONTACT LIST

<b>OWNER/APPLICANT:</b> LAND PRO GROUP, INC. 10515 20TH ST SE, SUITE 202 LAKE STEVENS, WASHINGTON 98258 CONTACT: RYAN LARSEN PHONE: (425) 551-7600 EMAIL: rlarson@landprogrp.com	<b>CIVIL ENGINEER:</b> LDC, INC. 20210 142ND AVE NE WOODMILLE, WASHINGTON 98072 CONTACT: TOM ABBOTT, PE PHONE: (425) 806-1869 FAX: (425) 482-2893 EMAIL: tabbott@ldcorp.com
<b>SURVEYOR:</b> PACIFIC COAST SURVEYS, INC. 16300 MILL CREEK BLVD, STE G4 MILL CREEK, WASHINGTON 98082 CONTACT: DARREN RIDOLE, PLS PHONE: (425) 508-4951 FAX: (425) 357-3577 EMAIL: darren@pcs-surveys.net	<b>LANDSCAPE ARCHITECT:</b> ORIGIN DESIGN GROUP 1031 185TH AVENUE NE SNOHOMISH, WASHINGTON 98290 CONTACT: KRISTAL LOWE PHONE: (425) 346-9105 EMAIL: origindg@gmail.com
<b>WETLAND BIOLOGIST:</b> WETLAND RESOURCES 9505 19TH AVE SE, STE 106 EVERETT, WA 98208 CONTACT: JOHN LAUFENBURG PHONE: (425) 337-3174 FAX: (425) 337-3045 EMAIL: john@wetlandresources.com	<b>GEOTECH:</b> COBALT GEOSCIENCES, LLC P.O. BOX 82243 KENMORE, WASHINGTON 98028 CONTACT: PHIL HABERMAN, PE, LG, LEG PHONE: (206) 331-1097 EMAIL: phil@cobaltgeo.com

## EARTHWORK QUANTITIES

CUT: 31,500 CY  
FILL: 26,300 CY  
STRIPPINGS: 13,300 CY  
DISTURBED AREA: 344,356 SF (7.91 AC)  
THESE CALCULATIONS ARE FOR PERMITTING PURPOSES ONLY. FOR DETAILED CALCULATIONS, DETAILED EARTHWORKS TAKEOFFS SHOULD BE PERFORMED.

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- 10 GRADING PLAN
- 11-14 INTERSECTION DETAILS
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- 16-19 ROAD AND STORM DRAINAGE PROFILES
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- 21 STORM DETENTION VAULT PLAN
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- 29-30 SANITARY SEWER PLAN
- 31-35 WATER AND SANITARY SEWER PROFILES
- 36-37 SANITARY SEWER NOTES AND DETAILS
- 38 WATER PLAN
- 39 WATER NOTES AND DETAILS
- MB-01 MAILBOX APPROVAL PLAN

## PROJECT INFORMATION

**TAX PARCELS:** 30052500302300, 30052500303800, 30052500303900  
**SITE ADDRESS:** 8703 60TH ST NE, EVERETT, WA 98205  
**SITE AREA:** 435,992 SF, 10.01 AC  
**CURRENT ZONING:** NB (NEIGHBORHOOD BUSINESS)  
**PROPOSED ZONING:** R6.5 SINGLE FAMILY DETACHED  
**PROPOSED LAND USE:** 44 CITY OF MARYSVILLE, CITY OF MARYSVILLE, SNOHOMISH COUNTY PUD, PUGET SOUND ENERGY  
**WATER:** FRONTIER COMCAST  
**SEWER:** LAKE STEVENS SCHOOL DISTRICT 4  
**POWER:** MARYSVILLE FIRE DISTRICT  
**GAS:**  
**TELEPHONE:**  
**CABLE:**  
**SCHOOL DISTRICT:**  
**FIRE DISTRICT:**

CITY PROJECT #: PA22-023

## CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDOH HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT. THIS DAY OF \_\_\_\_\_

BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

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

NO.	DATE	DESCRIPTION

**REVISIONS**

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
COVER SHEET

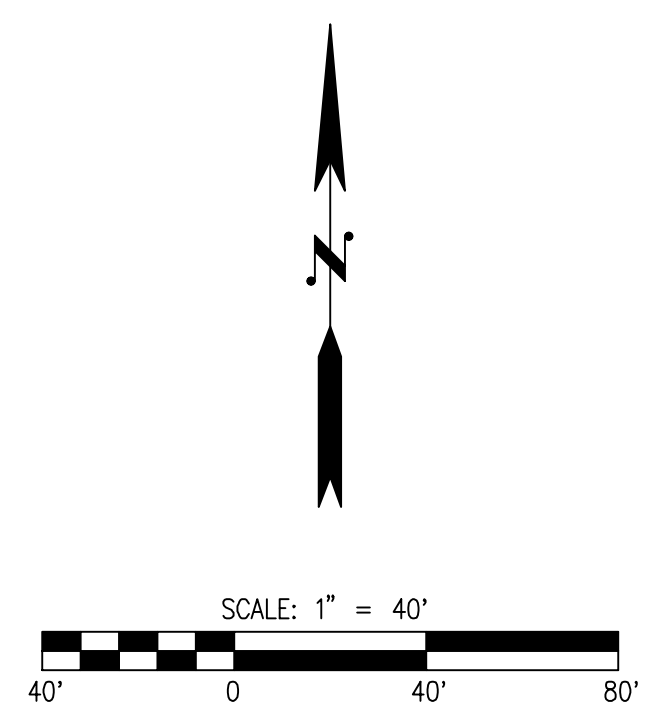
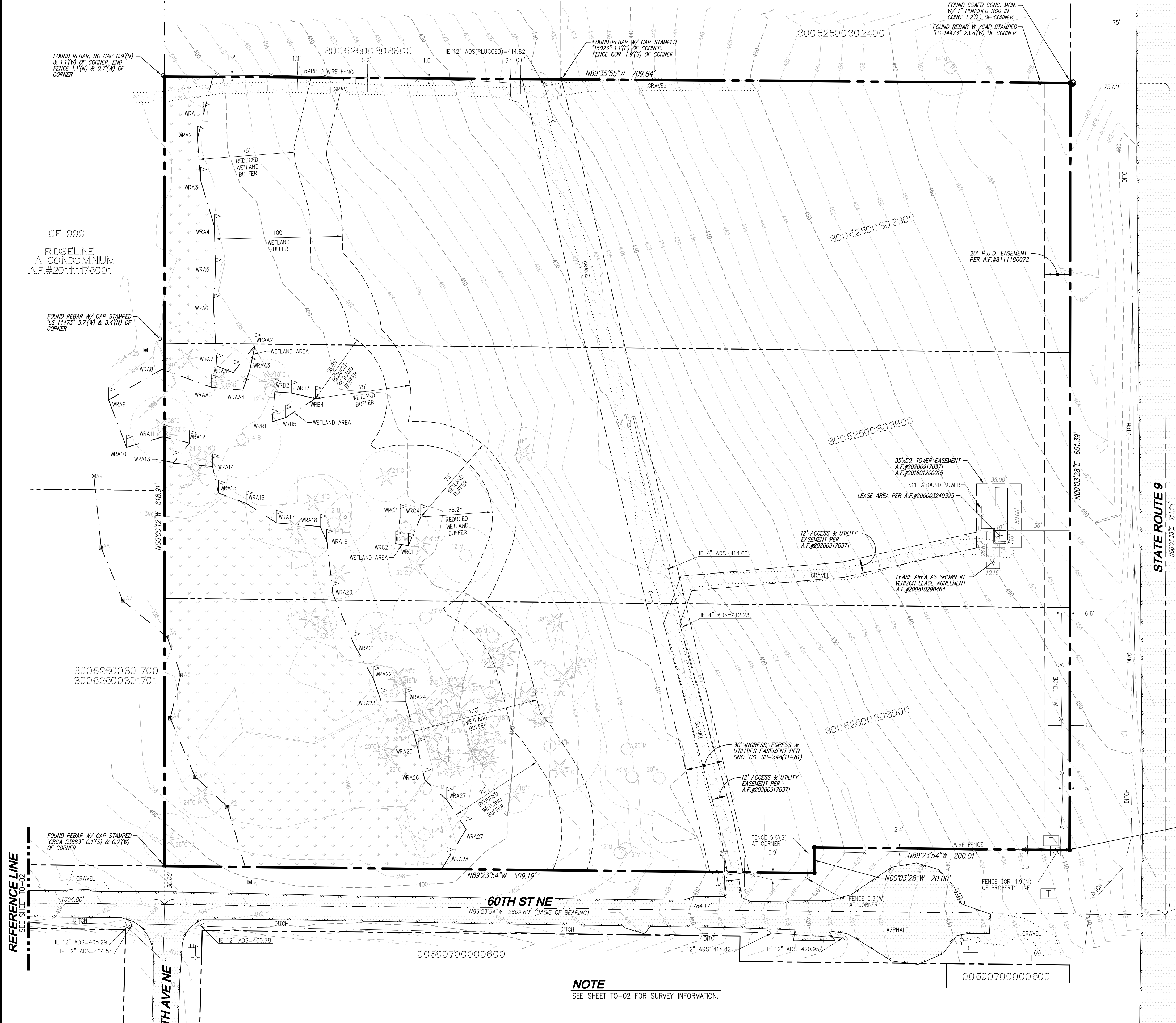
**LDC**  
Surveying  
Engineering  
Planning  
Kent  
Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
www.LDCcorp.com  
T 425.806.1869  
F 425.482.2893

**THOMAS P. ABBOTT**  
PROFESSIONAL ENGINEER  
No. 1242

JOB NUMBER: C22-177  
DRAWING NAME: C22177C-CS-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=60'  
JURISDICTION: MARYSVILLE

**CS-01**  
SHEET 1 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



LEGEND AND ABBREVIATIONS

EXISTING SYMBOLS		ABBREVIATIONS	
SYMBOL	DESCRIPTION	CB	CATCH BASIN
+	SECTION CORNER	CL	CENTERLINE
+	SECTION QTR CORNER	CMP	CORRUGATED METAL PIPE
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+	SIGN POST	EXIST.	EXISTING
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+	DECIDUOUS TREE	B	BIRCH
+	METAL FENCING		
+	GPM		
+	TPM		
+	PPM		
+	WPM		
+	SPM		
+	UG		

REFERENCE LINE  
SEE SHEET TO-02

REFERENCE LINE  
SEE SHEET TO-02

**NOTE**  
SEE SHEET TO-02 FOR SURVEY INFORMATION.

**UTILITY NOTE**  
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CITY PROJECT #: PA22-023

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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

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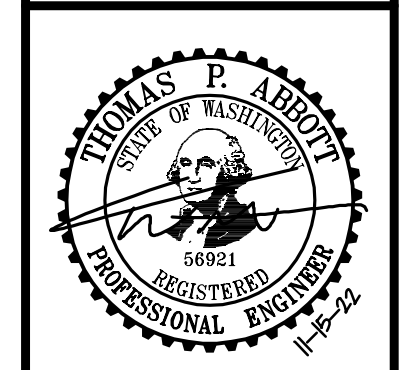
NO.	DATE	DESCRIPTION

**LDC** | Surveying Engineering Planning

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Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
www.LDCcorp.com

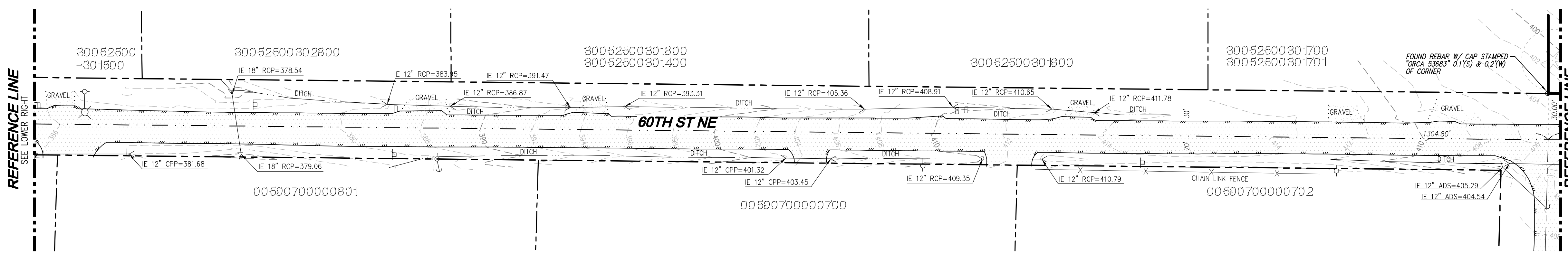
Olympia  
F 425.482.2893  
T 425.806.1869

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
EXISTING CONDITIONS MAP

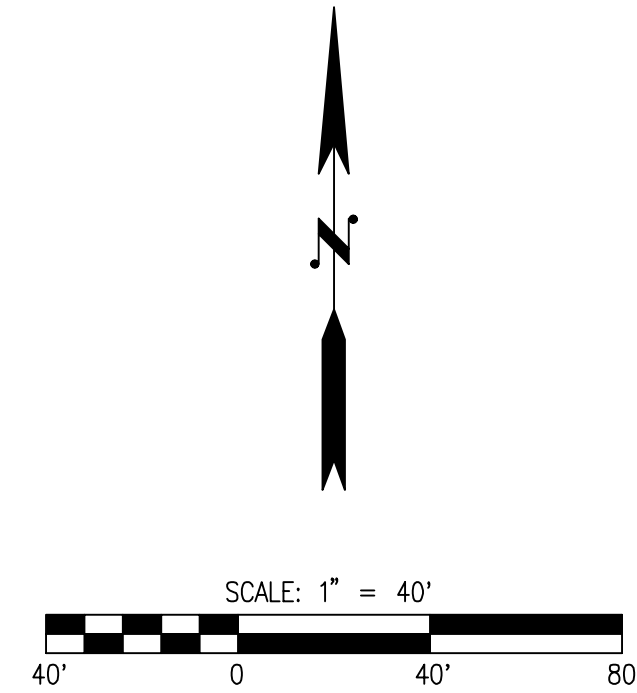
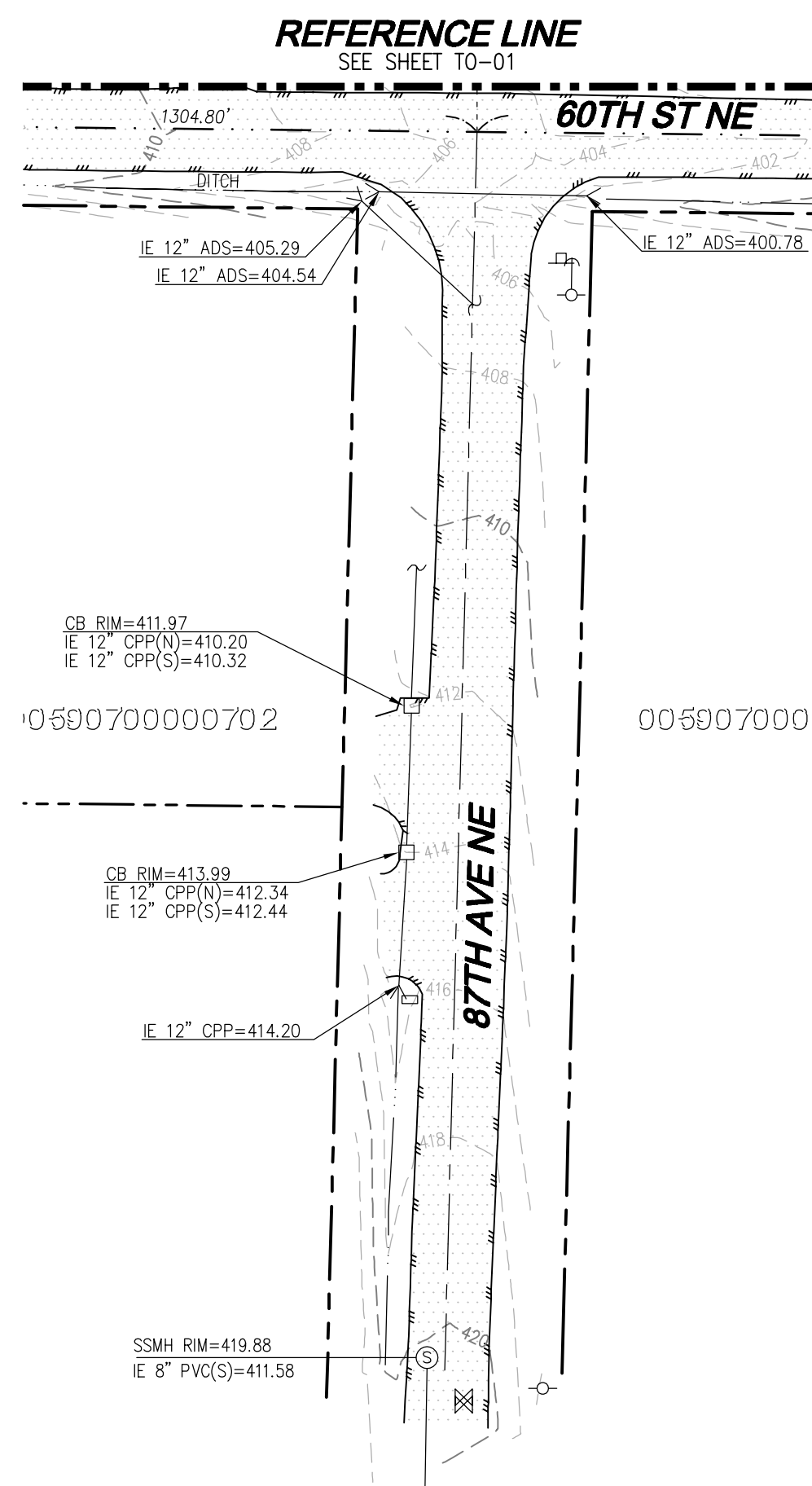
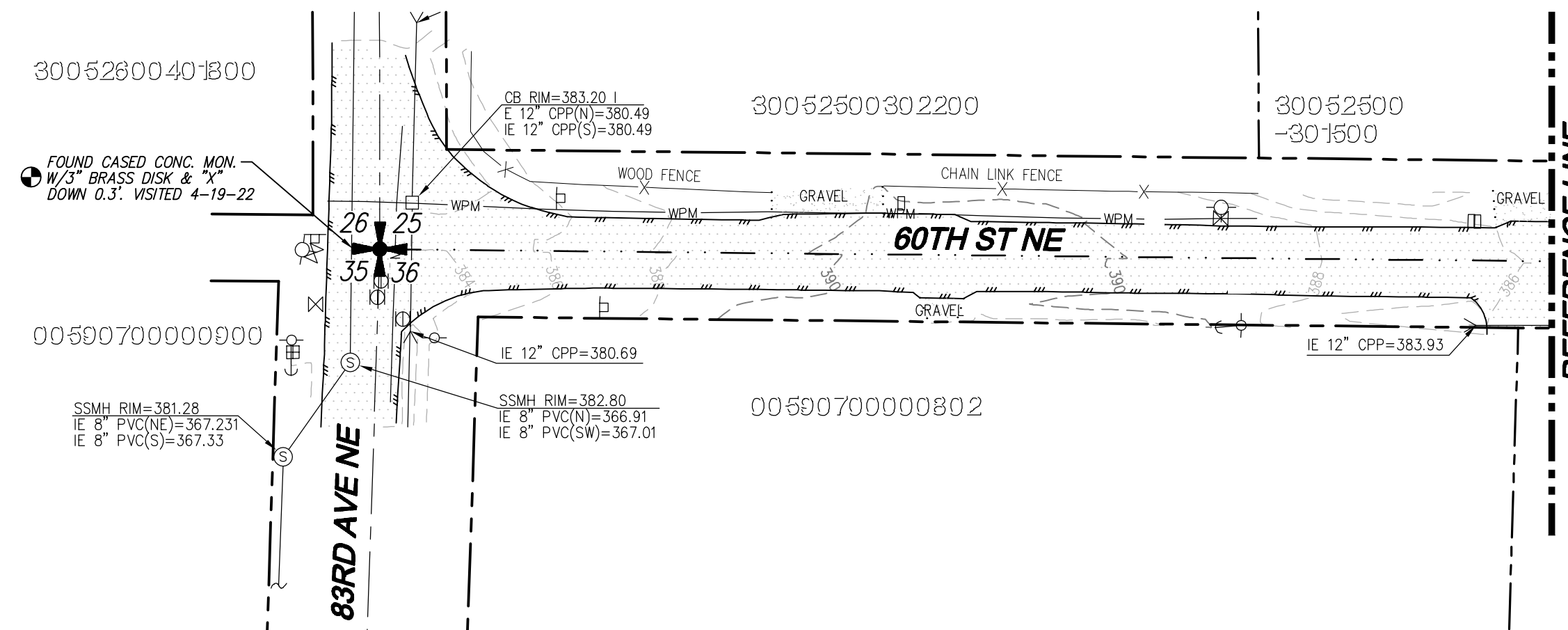


JOB NUMBER: C22-177  
DRAWING NAME: C22177C-10-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**NOTE**  
SEE SHEET TO-01 FOR LEGEND AND ABBREVIATIONS.



**SURVEY INFORMATION**  
**LEGAL DESCRIPTION**

**PARCEL A:**  
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**PARCEL C:**  
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**VERTICAL DATUM**  
NAVD 88

FOUND CONCRETE MONUMENT WITH A 3" BRASS DISK AND "X" 0.3" DEEP IN MONUMENT CASE WITH A BROKEN LID IN THE CENTER OF THE NORTHBOUND LANE OF 83RD AVE. N.E., AT ITS INT. WITH 60TH ST. N.E.  
ELEV.=382.91'

**BASIS OF BEARING**  
THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., AS THE BEARING OF N 89°23'54" W, PER SURVEY RECORDED UNDER AF#200301175004

**EQUIPMENT & PROCEDURES**  
**METHOD OF SURVEY:**  
SURVEY PERFORMED BY FIELD TRAVERSE

**INSTRUMENTATION:**  
LEICA TCRA 1105 ROBOTIC ELECTRONIC TOTAL STATION

**PRECISION:**  
MEETS OR EXCEEDS STATE STANDARDS WAC 332-130-090

**SURVEY REFERENCES**  
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(R2) SNO. CO. SP-348(11-81) - A.F.#8207290183

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Drawing: P:\Civil\2022\22-177 brodie plat\Drawings\Construction\C22177C-10-PL.dwg Plotdate: Nov 15, 2022 - 12:41pm

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CITY PROJECT #: PA22-023

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THIS DAY OF \_\_\_\_\_

BY: \_\_\_\_\_  
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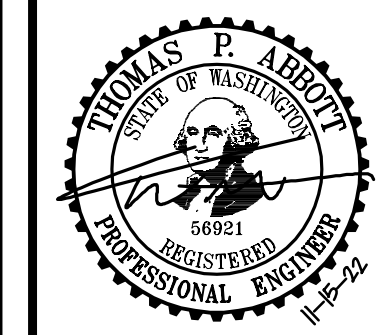
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NO.	DATE	DESCRIPTION

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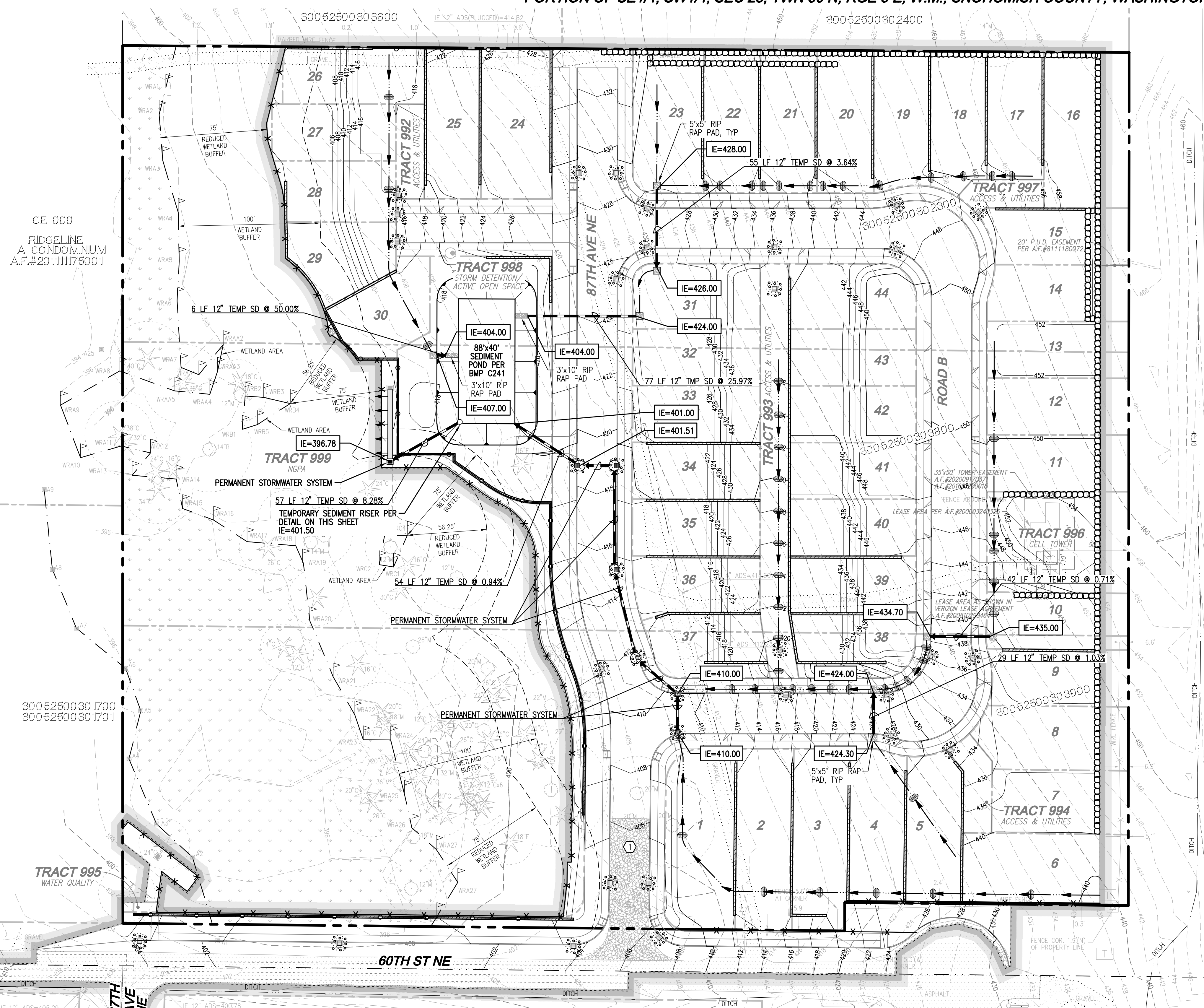
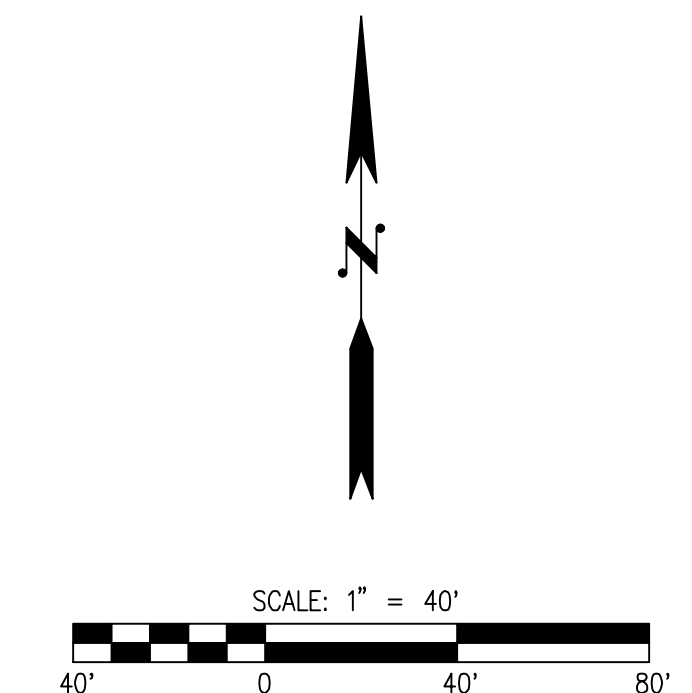
LAND PRO GROUP, INC.  
**BRODIE PLAT**  
EXISTING CONDITIONS MAP



JOB NUMBER: C22-177  
DRAWING NAME: C22177C-10-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**TO-02**  
SHEET 3 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**BMP T5.13 DESIGN GUIDELINES**

**SOIL RETENTION**  
THE DUFF LAYER AND NATIVE TOPSOIL SHOULD BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

**SOIL QUALITY**  
ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

- A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
- PLANTING BEDS MUST BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL.
- QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS:
  - THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220. THIS CODE IS AVAILABLE ONLINE AT: [HTTP://WWW.ECY.WA.GOV/PROGRAMS/SWFA/FACILITIES/350.HTML](http://www.ecy.wa.gov/programs/swfa/facilities/350.html). THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
  - CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE, OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST. THE RESULTING SOIL SHOULD BE CONDUCTIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

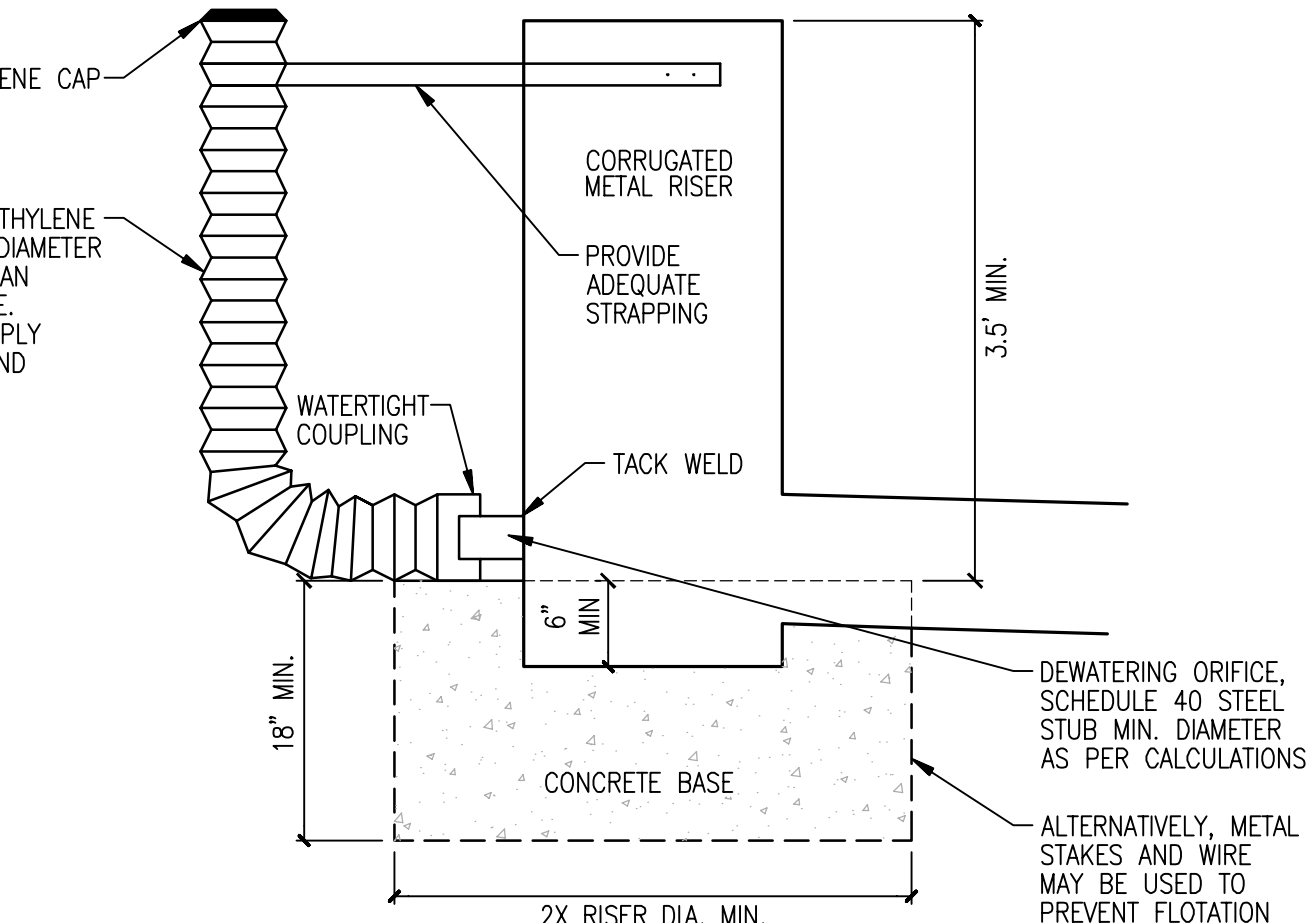
**IMPLEMENTATION OPTIONS:**  
THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:

- LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
- AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON SPECIFIC TESTS OF THE SOIL AND AMENDMENT.
- STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
- IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

- MAINTENANCE**
- SOIL QUALITY AND DEPTH SHOULD BE ESTABLISHED TOWARD THE END OF CONSTRUCTION AND ONCE ESTABLISHED, SHOULD BE PROTECTED FROM COMPACTION, SUCH AS FROM LARGE MACHINERY USE, AND FROM EROSION.
  - SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.
  - PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MATTER.

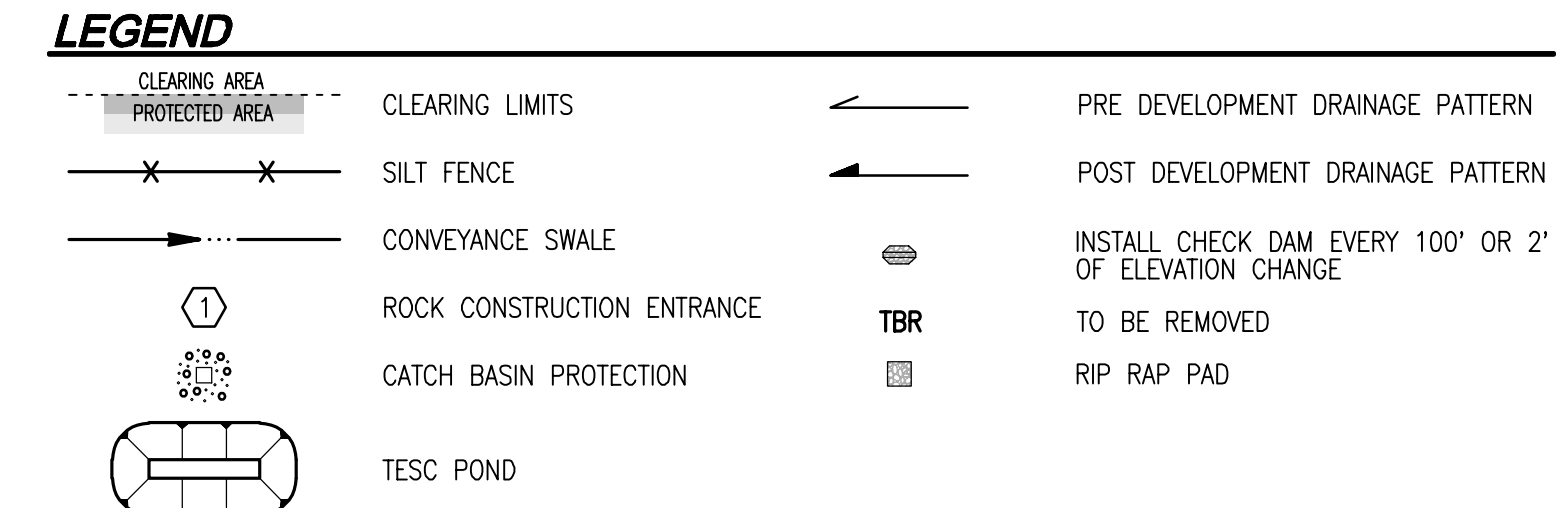
**TESC SEDIMENTATION POND**

BOTTOM ELEVATION	401.00
BOTTOM AREA (SF)	3,720 SF
TOP ELEVATION	406.00
TOP AREA (SF)	5,698 SF
SIDE SLOPES	3H : 1V
OVERFLOW ELEV.	405.00
OUTLET INVERT ELEV.	401.50
ORIFICE INVERT ELEV.	401.50
ORIFICE SIZE	3"Ø



**SEDIMENT POND RISER DETAIL**  
NOT TO SCALE

- CONSTRUCTION SEQUENCE**
- PRIOR TO ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY STAFF. CESL SHALL ATTEND CONFERENCE. FLAG CLEARING LIMITS.
  - INSTALL ROCK CONSTRUCTION ENTRANCE.
  - STOCKPILE ALL EROSION MATERIALS ON SITE.
  - ARRANGE FOR CITY INSPECTOR TO INSPECT AND APPROVE CLEARING LIMITS FLAGGING PRIOR TO CLEARING.
  - INSTALL FILTER FABRIC FENCE AND CONSTRUCTION FENCE AS SHOWN.
  - CONSTRUCT TEMPORARY SEDIMENT POND AND OUTFALL.
  - BEGIN CLEARING AND GRADING, CONSTRUCT INTERCEPTOR DITCHES AND TEMPORARY CULVERTS AND RELOCATE AS NECESSARY DURING CONSTRUCTION.
  - CLEAR FOR UTILITIES AND INSTALL ALL BURIED UTILITIES.
  - INSTALL INTERIM CATCH BASIN PROTECTION.
  - INSTALL ALL OTHER UTILITIES.
  - FINE GRADE ROADS.
  - INSTALL ATB.
  - INSTALL FINAL PAVING, CURBING AND SIDEWALK.
  - STABILIZE UNPAVED AREAS WITH LANDSCAPING OR HYDROSEEDING AS PERMANENT COVER.
  - CLEAN OUT STORM SYSTEM WHEN CONSTRUCTION IS COMPLETE AND SITE HAS STABILIZED.
  - ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMP'S ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.



**EARTHWORK QUANTITIES**

CUT: 31,500 CY  
 FILL: 25,300 CY  
 STRIPPINGS: 13,300 CY  
 DISTURBED AREA: 344,356 SF (7.91 AC)  
 THESE CALCULATIONS ARE FOR PERMITTING PURPOSES ONLY. FOR DETAILED CALCULATIONS, DETAILED EARTHWORKS TAKEOFFS SHOULD BE PERFORMED.

**NOTE**  
ALL PERVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.

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

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BY: \_\_\_\_\_  
 KEN MONTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

**REVISIONS**

NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
**TESC PLAN**

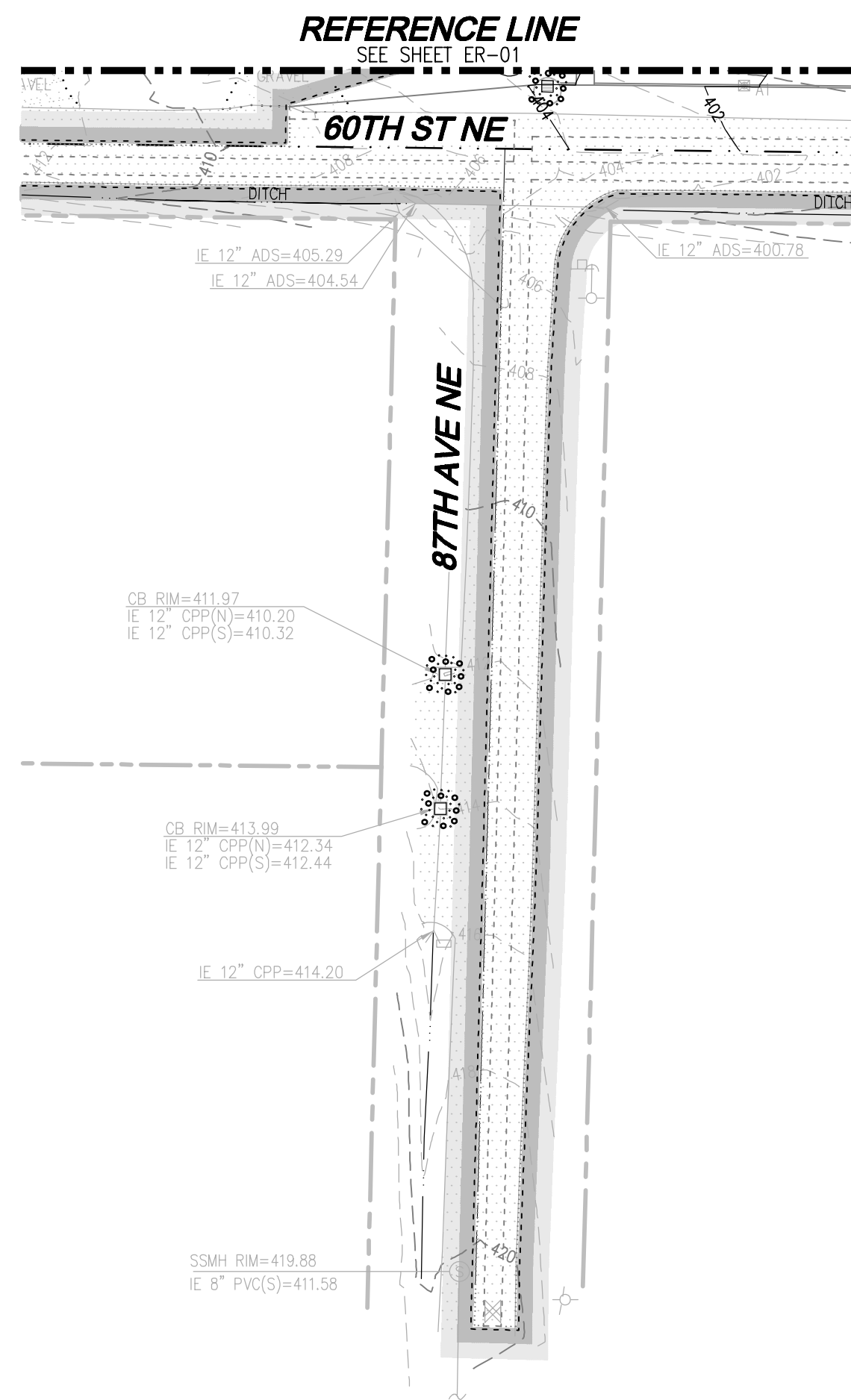
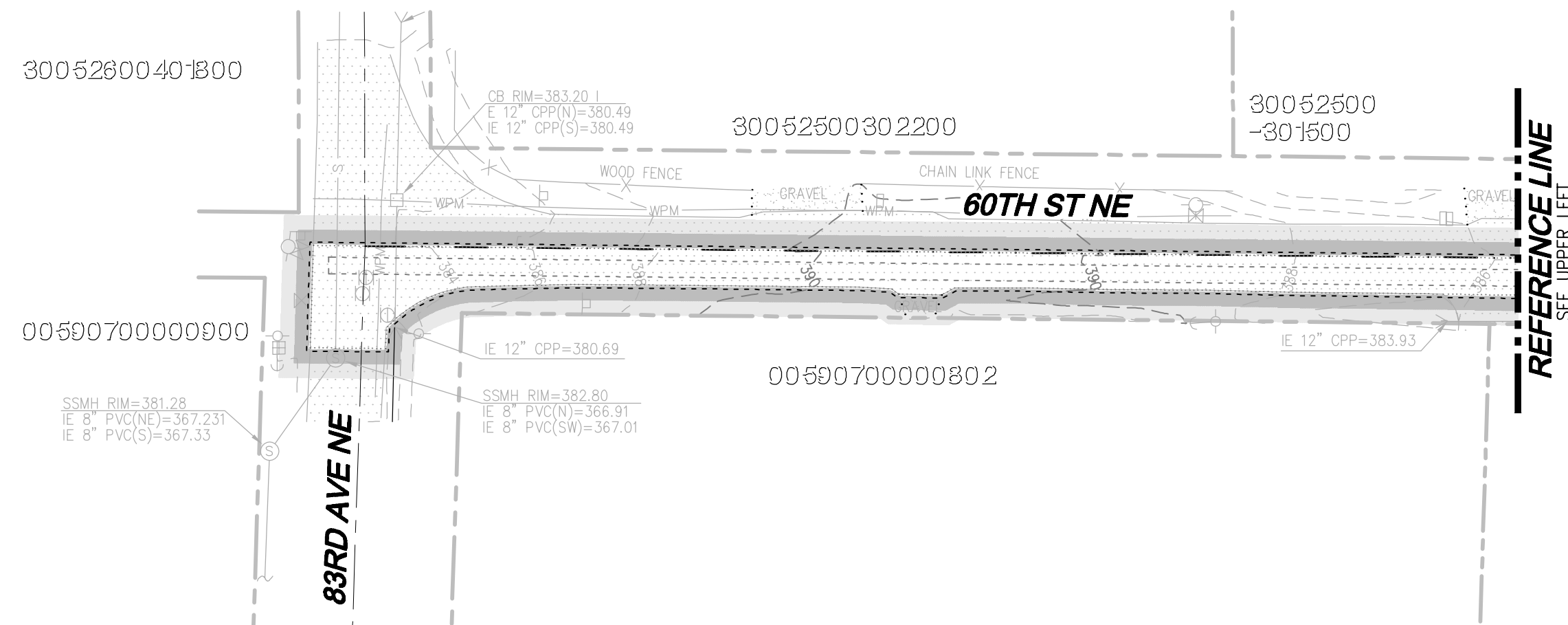
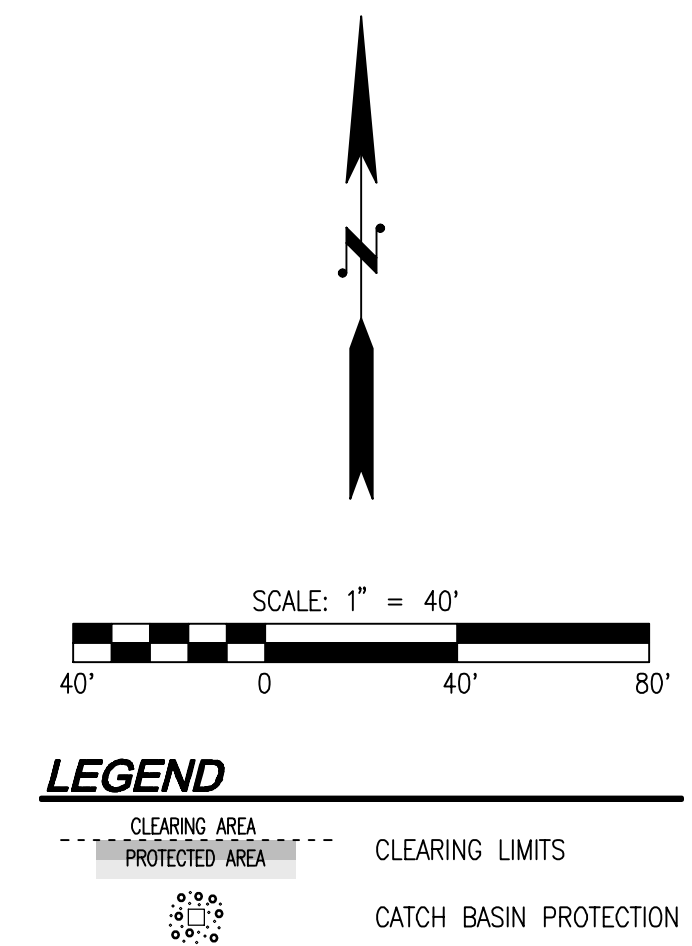
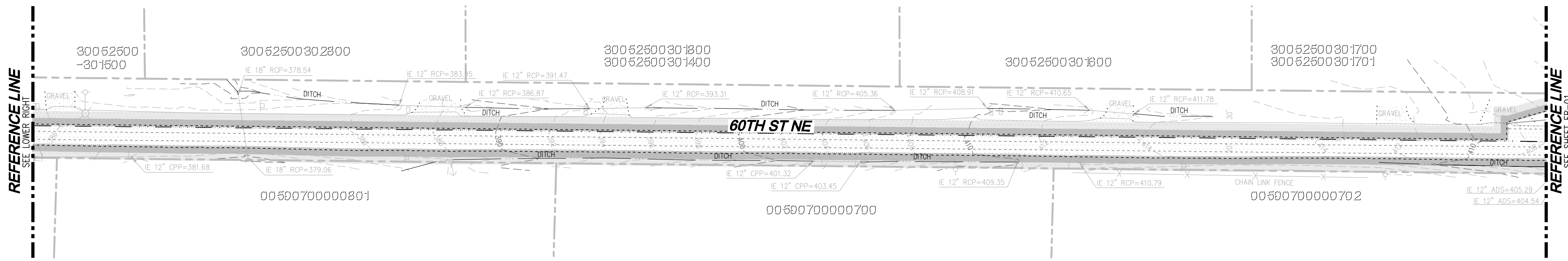
**LDC**  
 Surveying  
 Engineering  
 Planning  
 Olympia  
 Woodinville  
 20210 142nd Avenue NE  
 Woodinville, WA 98072  
 www.LDCcorp.com  
 T 425.806.1869 F 425.482.2893

**THOMAS P. BRODIE**  
 PROFESSIONAL ENGINEER  
 56921

JOB NUMBER: C22-177  
 DRAWING NAME: C2217C-ER-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**ER-01**  
 SHEET 4 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

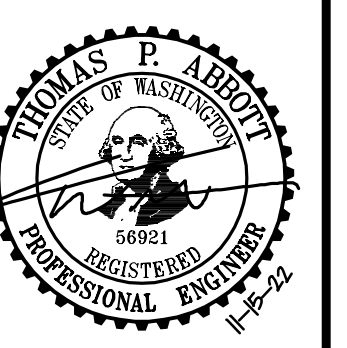
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CITY PROJECT #: PA22-023

NO.	DATE	DESCRIPTION

**LDC** | Surveying Engineering Planning  
 Kent Woodinville Olympia  
 20210 142nd Avenue NE Woodinville, WA 98072  
 T 425.806.1869 www.LDCcorp.com F 425.482.2893

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 TESC PLAN



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-ER-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**ER-02**  
 SHEET 5 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON

GENERAL NOTES

- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF MARYSVILLE. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS...

GENERAL NOTES

- 1. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.

CONSTRUCTION ENTRANCE NOTES

- 1. THE TEMPORARY CONSTRUCTION ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLAN.

HYDROSEEDING GENERAL NOTES

- 1. CONSTRUCTION ACCEPTANCE WILL BE SUBJECT TO A WELL ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENTS OF THE APPROVED CONSTRUCTION PLANS AND CITY OF MARYSVILLE STANDARDS.

UTILITY NOTES

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

THE CESCL IS RESPONSIBLE FOR:

- A. INSPECTING THE CONSTRUCTION SITE TO ENSURE THAT ALL CONSTRUCTION SWPPP MEASURES ARE FUNCTIONING AS INTENDED.

THE THIRTEEN ELEMENTS OF A CONSTRUCTION SWPPP:

- 1. MARK CLEARING LIMITS: THE CLEARING LIMITS ARE INDICATED ON THE PLAN SHEET. CLEARING AND GRADING WILL BE LIMITED TO ONLY AREAS THAT NEED TO BE DISTURBED FOR GRADING, AND PLACING OR STOCK PILING FILL AND TO PRESERVE AS MUCH NATURAL VEGETATION AND THE DUFF LAYER AS POSSIBLE.

POLLUTANT CONTROL NOTES

- 1. ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ON-SITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER.

DE-WATERING CONTROL NOTES

ALL TURBID DE-WATERING WATER SHALL BE DISPOSED OF USING ONE OF THE FOLLOWING OPTIONS:

- 1. INFILTRATION,

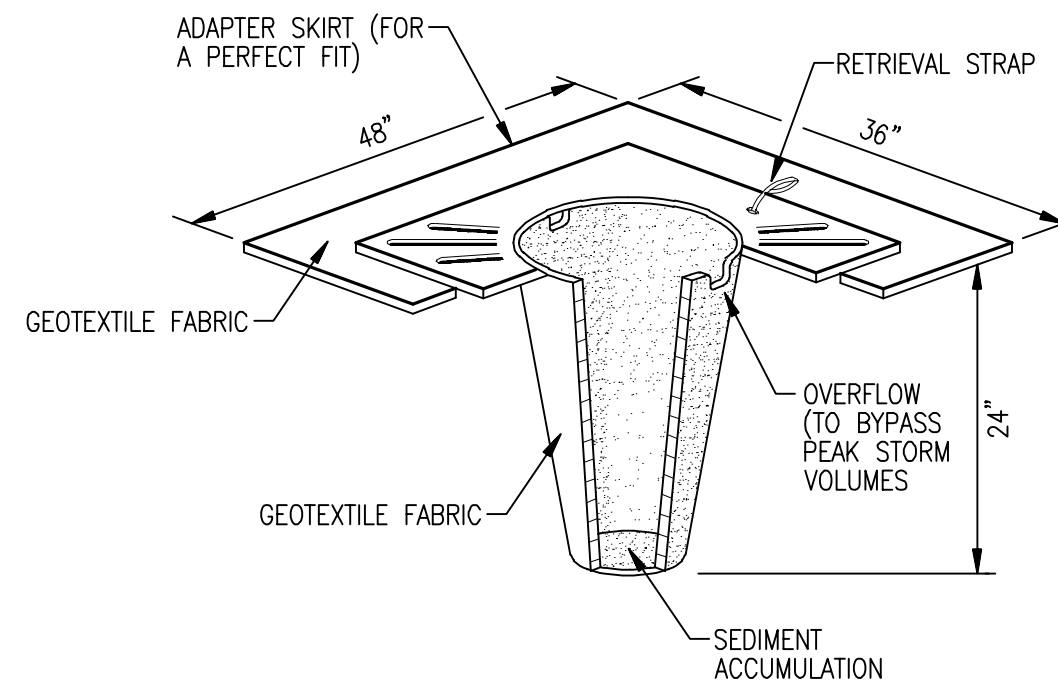
MAINTENANCE OF SILTATION BARRIERS NOTE

- 1. SILTATION BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

EROSION, SEDIMENTATION AND WATER QUALITY SITE INSPECTIONS:

PRIOR TO ANY SITE DEVELOPMENT WORK TAKING PLACE, A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR, OWNER, CESCL, AND CITY INSPECTOR SHALL BE HELD.

THE DEPARTMENT OF ECOLOGY REQUIRES THAT CONSTRUCTION PROJECTS ONE ACRE OR LARGER RETAIN A CESCL TO ENSURE THAT THE PROJECT IS IN COMPLIANCE WITH THE CURRENT EROSION, SEDIMENTATION AND WATER QUALITY STANDARDS.

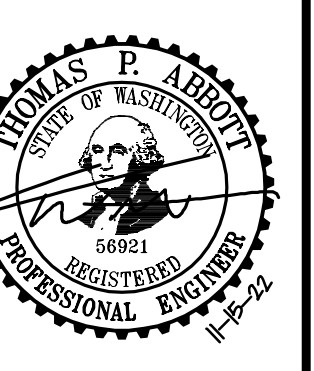


STORM DRAIN INLET PROTECTION NOT TO SCALE

Table with columns: NO., DATE, NO. OF REVISIONS, DESCRIPTION

LDC Surveying Engineering Planning logo and contact information.

LAND PRO GROUP, INC. BRODIE PLAT TESC NOTES AND DETAILS



JOB NUMBER: C22-177
DRAWING NAME: C22177C-ER-01
DESIGNER: TPA
DRAFTING BY: DPN
DATE: 11-15-22
SCALE: AS NOTED
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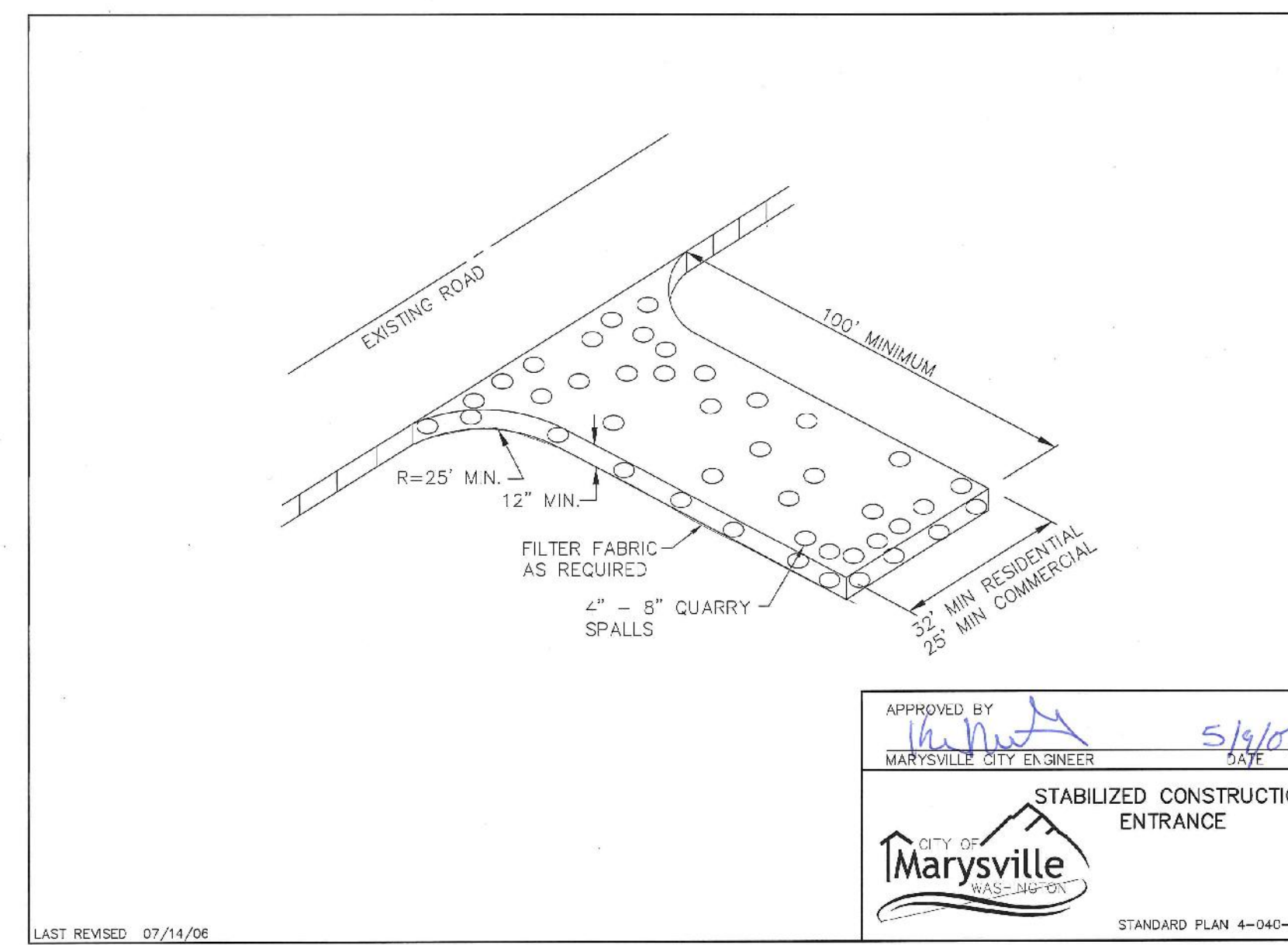
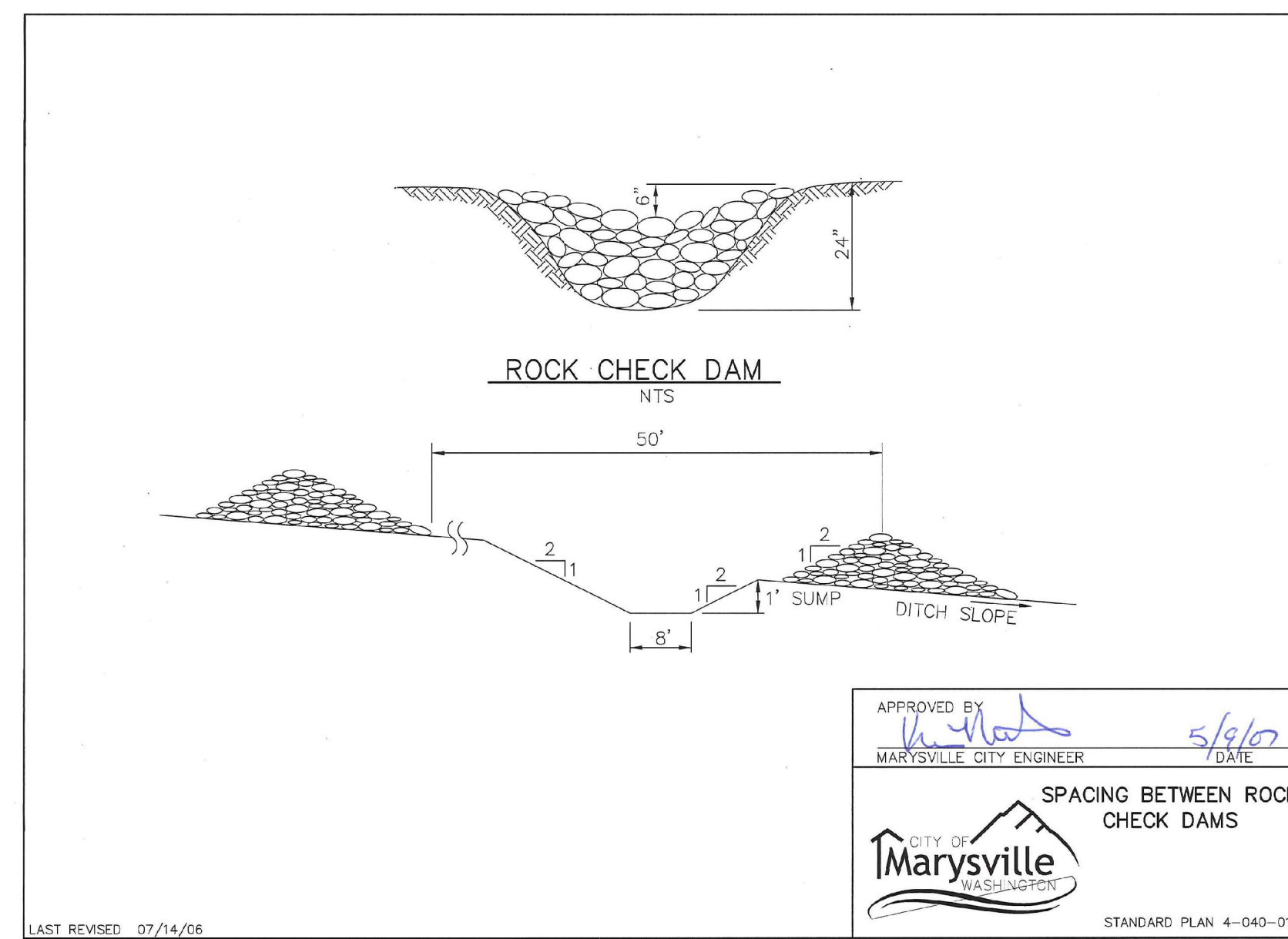
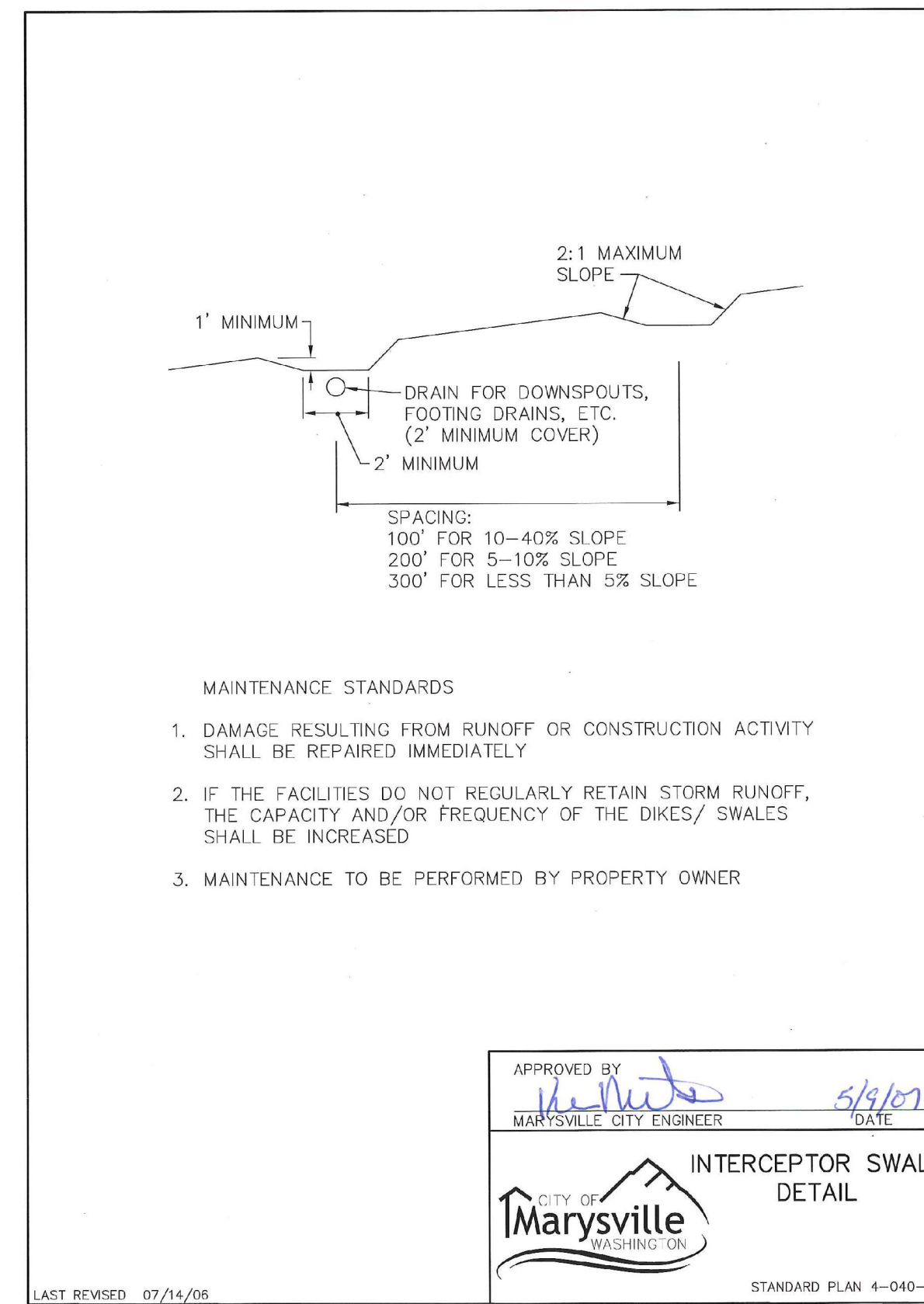
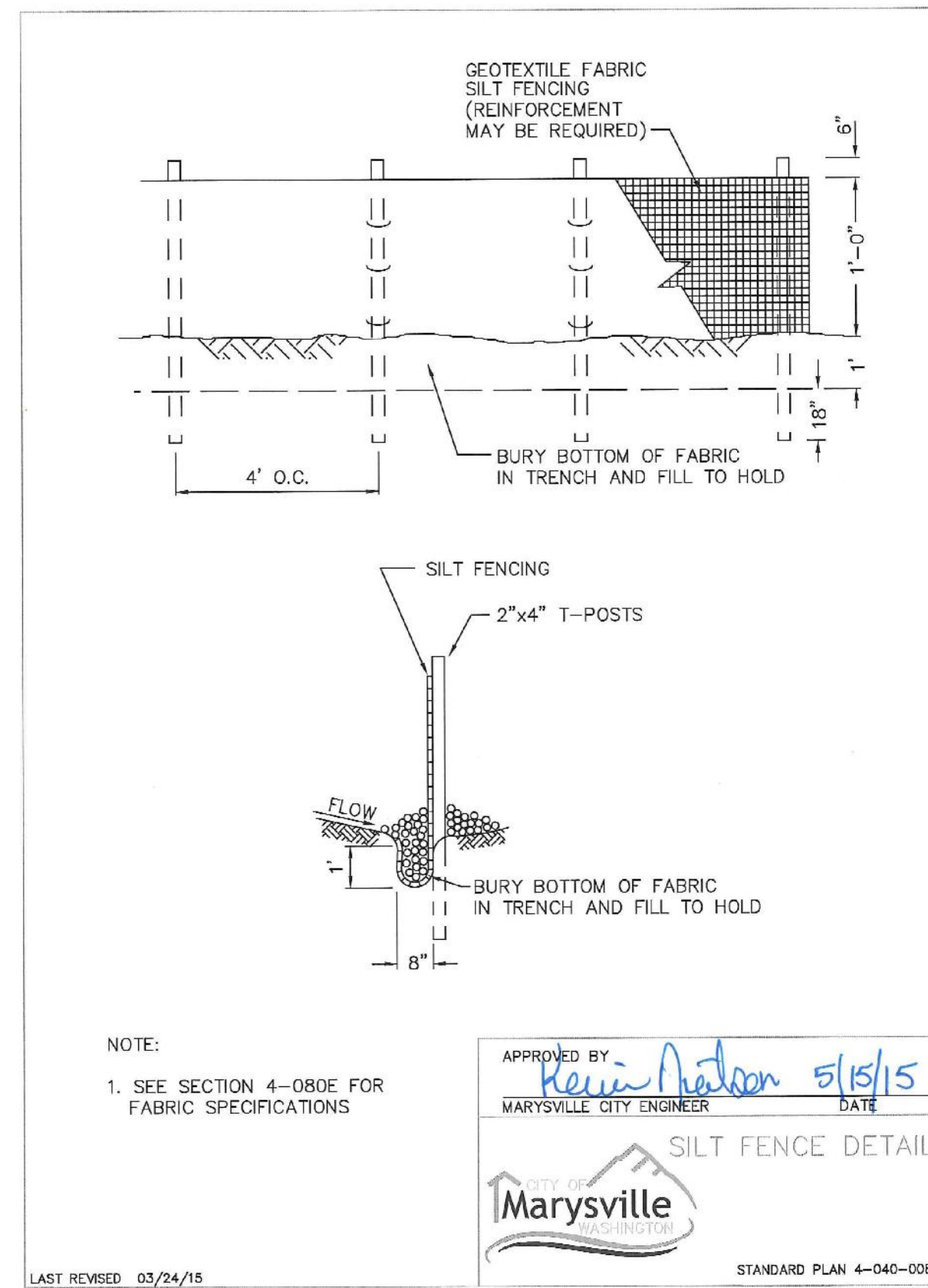
ER-03 SHEET 6 OF 39

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

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BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

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CITY PROJECT #: PA22-023

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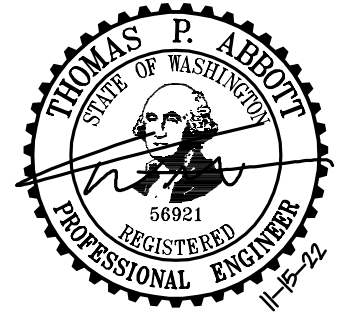
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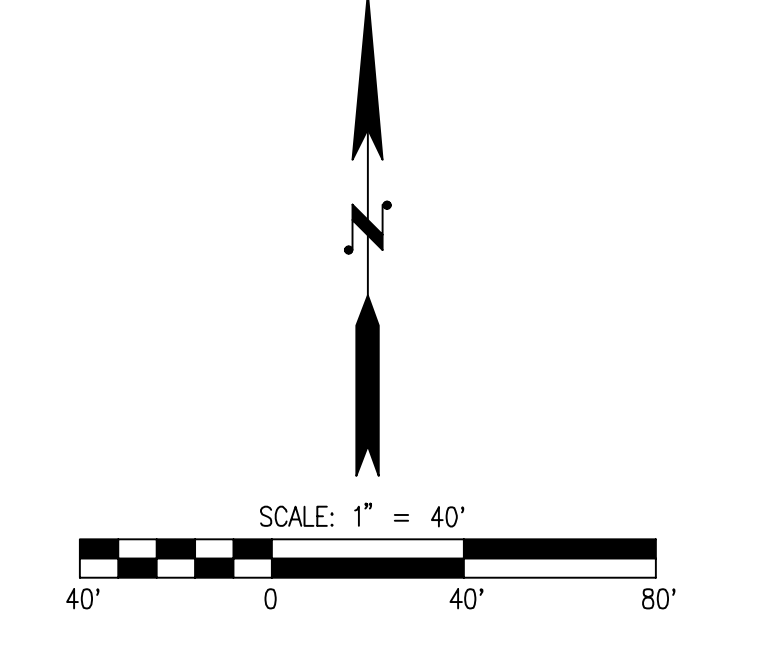
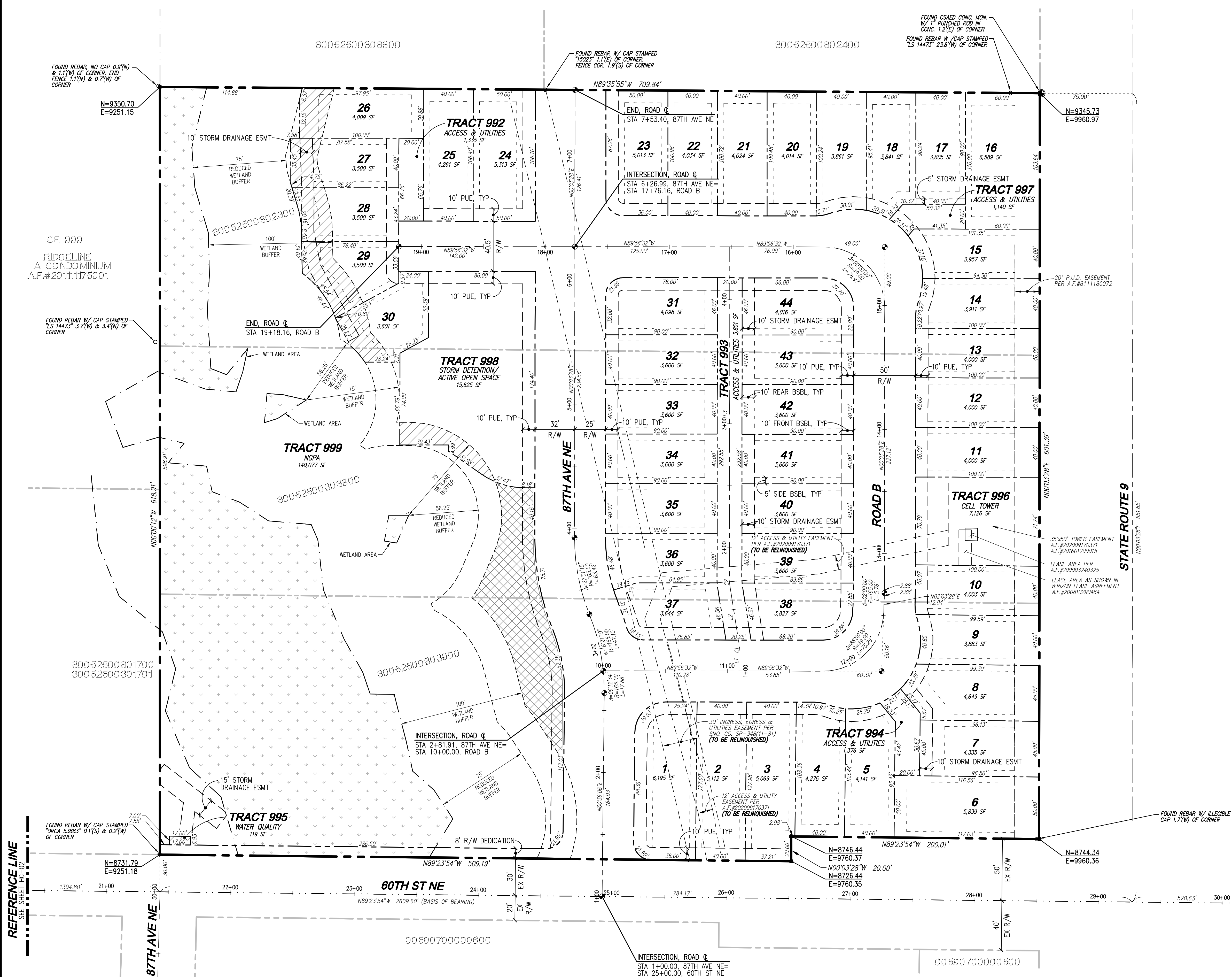
LAND PRO GROUP, INC.  
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Drawing: P:\Civi\2022\c22-177 brodie.plat\Drawings\Construction\C22177C-ER-01.dwg Plotted: Nov 15, 2022 - 12:02pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**LEGEND**

- BUFFER ADDITION (6,479 SF)
- BUFFER REDUCTION (6,468 SF)
- PROPOSED MONUMENT

**SURVEY MONUMENT TABLE**

NOTE: INSTALL SURVEY MONUMENTS PER CITY OF MARYSVILLE STANDARD DETAIL 3-507-001 ON SHEET DT-02.

STATIONING	ROAD/INTERSECTION
1+00.00/25+00.00	87TH AVE NE/60TH ST NE
2+64.03	87TH AVE NE
2+81.91/10+00.00	87TH AVE NE/ROAD B
3+29.01	87TH AVE NE
3+92.43	87TH AVE NE
6+26.99/17+76.16	87TH AVE NE/ROAD B
7+53.40	87TH AVE NE
12+14.84, 19.12' RT	ROAD B
12+68.19, 0.03' RT	ROAD B
15+36.68, 20.30' RT	ROAD B
19+18.16	ROAD B

**NOTE**  
SEE SHEET HC-02 FOR SURVEY AND PROJECT INFORMATION.

**ALLEY CENTERLINE TABLES**

LINE TABLE			CURVE TABLE			
Line #	Length	Direction	Curve #	Length	Radius	Delta
L1	14.64'	N00°03'28"E	C1	4.71'	30.00'	09°00'00"
L2	49.95'	N8°56'32"W	C2	4.71'	30.00'	09°00'00"
L3	268.64'	N00°03'28"E				

**LOT SIZE SUMMARY**

LOTS PROPOSED: 44  
 AVERAGE LOT SIZE: 4,140 SF  
 SMALLEST LOT SIZE: 3,500 SF (LOT 27, 28 AND 29)  
 LARGEST LOT SIZE: 6,589 SF (LOT 16)

**ACCESS CALCULATION (PER MMC 22C.080.070(4))**

LOTS TO ACCESS FROM AUTOCOURTS OR ALLEYS: 16  
 PRD REQUIREMENT FOR NON-STANDARD ACCESS: 25%  
 PROPOSED NON-STANDARD ACCESS: 16 LOTS/44 TOTAL LOTS=36%

**WETLAND BUFFER AVERAGING CALCULATIONS**

WETLAND BUFFER REDUCTION: 6,468 SF  
 WETLAND BUFFER ADDITION: 6,479 SF  
 NET: 11 SF

**IMPERVIOUS AREA**

IMPERVIOUS AREA PROPOSED: 199,940 SF (4.59 AC)  
 SITE PERCENTAGE AS IMPERVIOUS: 45.9%

REFERENCE LINE  
SEE SHEET HC-02

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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

**REVISIONS**

NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**  
BRODIE PLAT  
HORIZONTAL CONTROL PLAN

**LDC**  
Surveying  
Engineering  
Planning  
Kent  
Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
www.LDCcorp.com  
T 425.806.1869  
F 425.482.2893

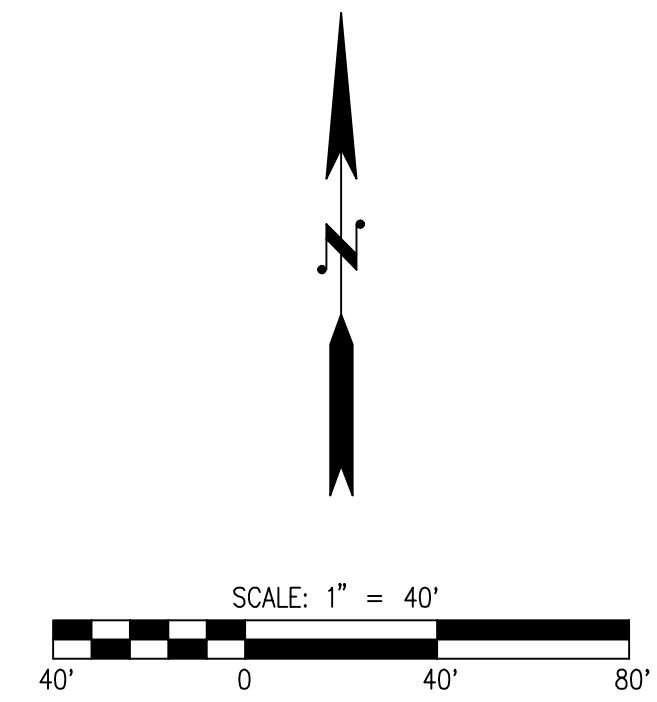
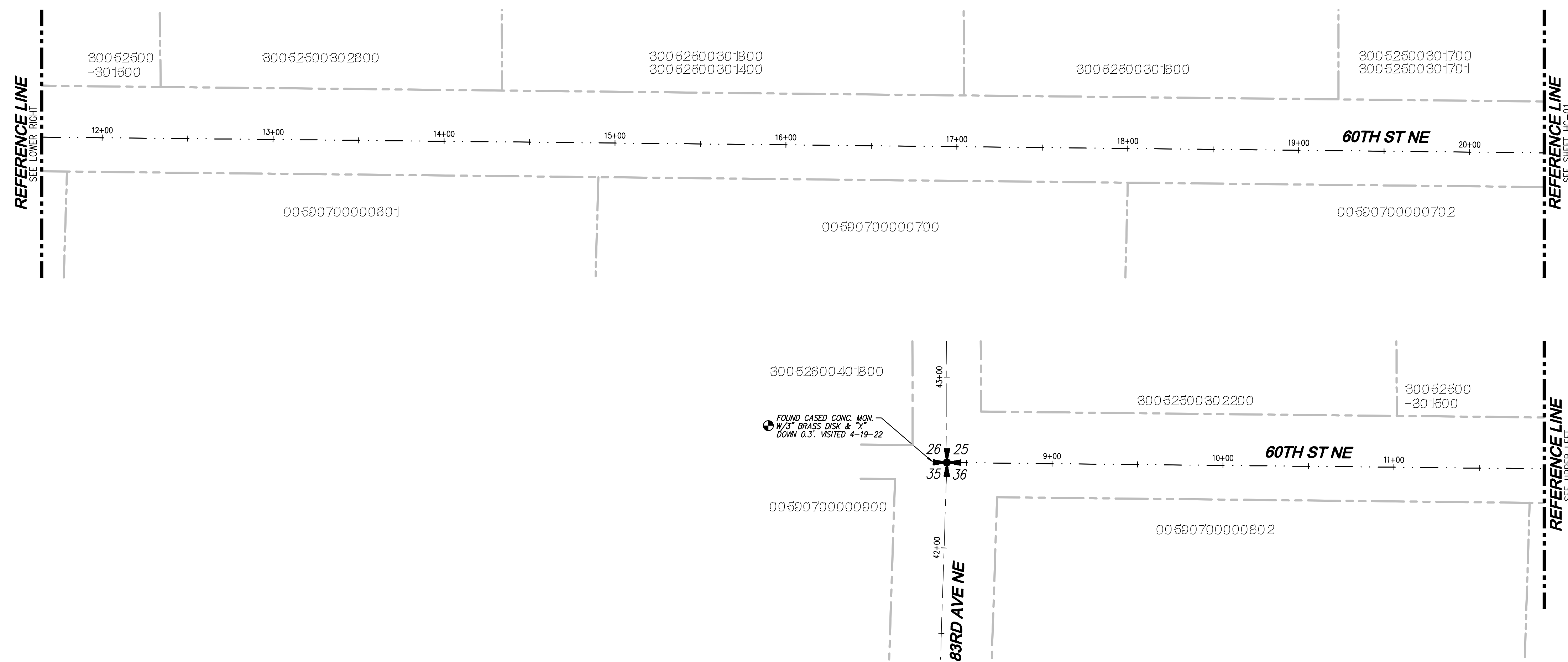
**THOMAS P. BRODIE**  
PROFESSIONAL ENGINEER  
NO. 56921  
STATE OF WASHINGTON

JOB NUMBER: C22-177  
DRAWING NAME: C22177C-HC-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**HC-01**  
SHEET 8 OF 39



PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**SURVEY INFORMATION**

**LEGAL DESCRIPTION**

**PARCEL A:**  
 LOT 2, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**PARCEL B:**  
 LOT 3, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**PARCEL C:**  
 LOT 4, SNOHOMISH COUNTY SHORT PLAT NUMBER SP-348 (11-81) RECORDED UNDER AUDITOR'S FILE NUMBER 8207290183, BEING A PORTION OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M.,

**VERTICAL DATUM**

NAVD 88  
 FOUND CONCRETE MONUMENT WITH A 3" BRASS DISK AND "X" 0.3' DEEP IN MONUMENT CASE WITH A BROKEN LID IN THE CENTER OF THE NORTHBOUND LANE OF 83RD AVE. N.E., AT IT'S INT. WITH 60TH ST. N.E.  
 ELEV.=382.91'

**BASIS OF BEARING**

THE SOUTH LINE OF THE SOUTHWEST QUARTER OF SECTION 25, TOWNSHIP 30 NORTH, RANGE 5 EAST, W.M., AS THE BEARING OF N 89°23'54" W, PER SURVEY RECORDED UNDER AF#200301175004

**EQUIPMENT & PROCEDURES**

**METHOD OF SURVEY:**  
 SURVEY PERFORMED BY FIELD TRAVERSE

**INSTRUMENTATION:**  
 LEICA TCRA 1105 ROBOTIC ELECTRONIC TOTAL STATION

**PRECISION:**  
 MEETS OR EXCEEDS STATE STANDARDS WAC 332-130-090

**SURVEY REFERENCES**

(R1) RECORD OF SURVEY - A.F.#200301175004  
 (R2) SNO. CO. SP-348(11-81) - A.F.#8207290183

**SURVEY NOTES**

1.) THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF PARTIES WHOSE NAMES APPEAR HEREON ONLY, AND DOES NOT EXTEND TO ANY UNNAMED THIRD PARTIES WITHOUT EXPRESS RECERTIFICATION BY THE LAND SURVEYOR OF RECORD.  
 2.) BOUNDARY LINES SHOWN AND CORNERS SET REPRESENT DEED LOCATIONS; OWNERSHIP LINES MAY VARY. NO GUARANTEE OF OWNERSHIP IS EXPRESSED OR IMPLIED.

**PROJECT INFORMATION**

**TAX PARCELS:** 30052500302300, 30052500303800  
 30052500303900  
**SITE ADDRESS:** 8703 60TH ST NE  
 EVERETT, WA 98205  
**SITE AREA:** 435,992 SF 10.01 AC  
**CURRENT ZONING:** CITY  
 NB (NEIGHBORHOOD BUSINESS)  
**PROPOSED ZONING:** R6.5  
**PROPOSED LAND USE:** SINGLE FAMILY DETACHED  
**PROPOSED LOTS:** 44  
**WATER:** CITY OF MARYSVILLE  
**SEWER:** CITY OF MARYSVILLE  
**POWER:** SNOHOMISH COUNTY PUD  
**GAS:** PUGET SOUND ENERGY  
**TELEPHONE:** FRONTIER  
**CABLE:** COMCAST  
**SCHOOL DISTRICT:** LAKE STEVENS SCHOOL DISTRICT 4  
**FIRE DISTRICT:** MARYSVILLE FIRE DISTRICT

**UTILITY NOTE**

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**DISCLAIMER**

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**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

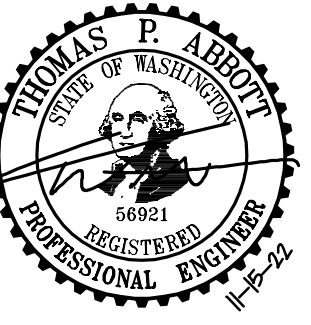
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 THIS DAY OF \_\_\_\_\_  
 BY: \_\_\_\_\_  
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**LDC** Surveying Engineering Planning  
 Kent Woodinville Olympia  
 20210 142nd Avenue NE Woodinville, WA 98072  
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LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 HORIZONTAL CONTROL PLAN

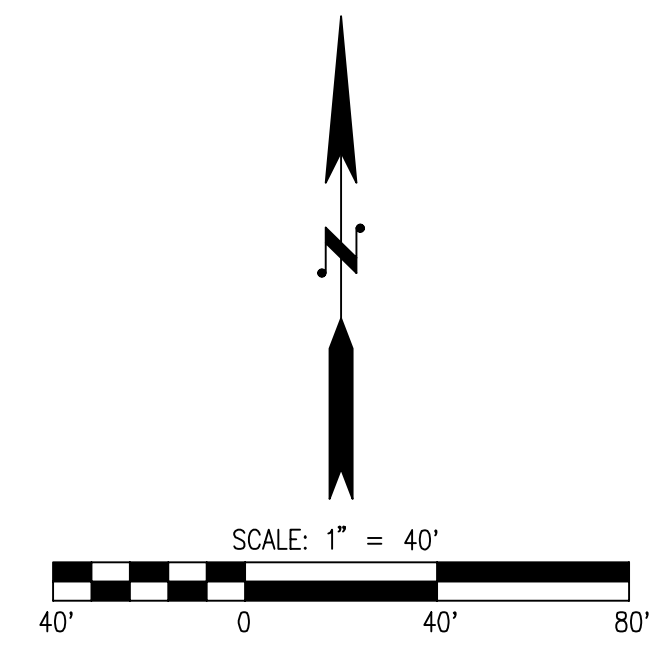
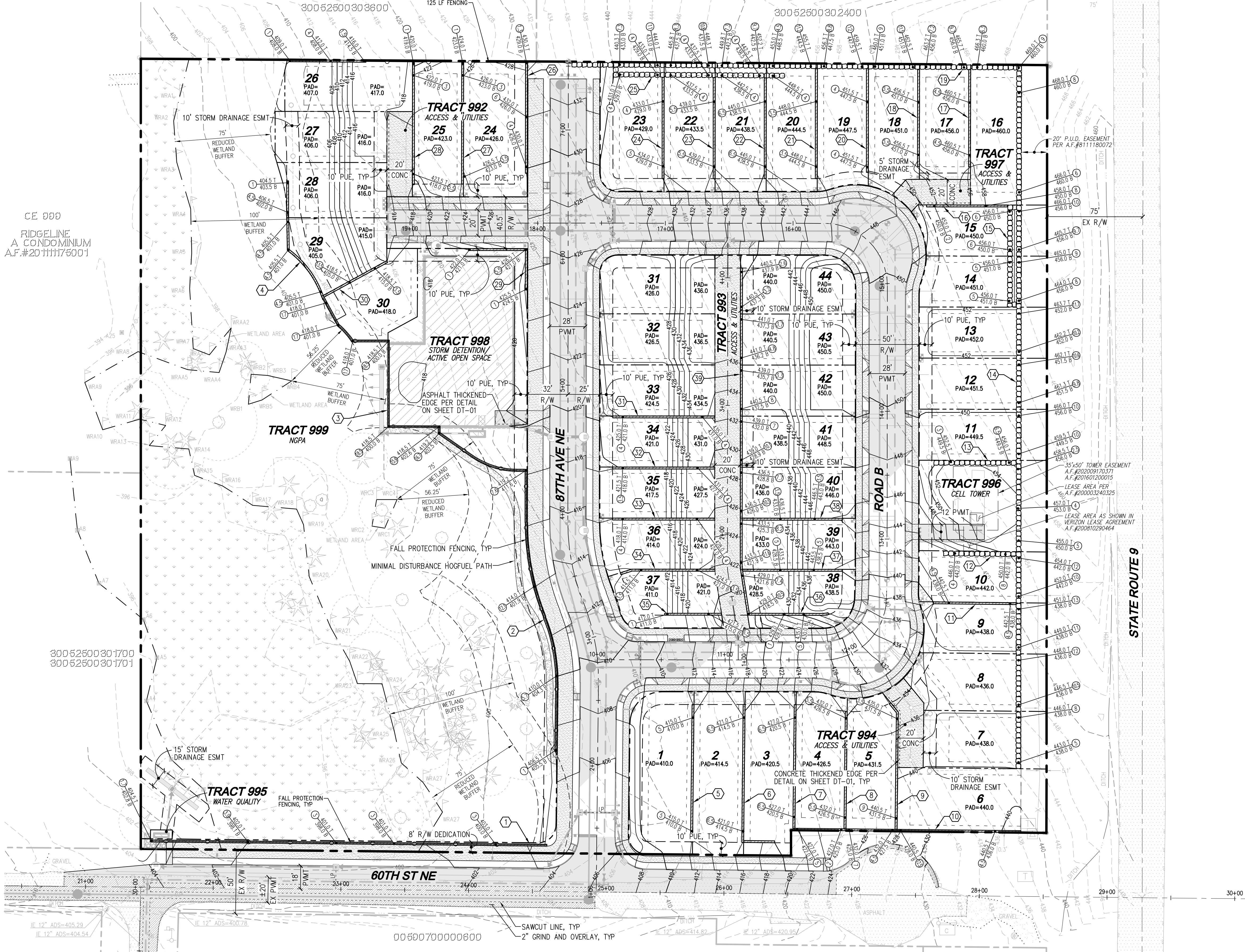


JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-HC-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**HC-02**  
 SHEET 9 OF 39

Drawing: P:\Civil\2022\C22-177 Brodie.plat\Drawings\Construction\C22177C-HC-PL.dwg Plotted: Nov 15, 2022 - 12:42pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



- LEGEND**
- STORM PIPE
  - DRAIN LINE
  - SEWER PIPE
  - WATER PIPE
  - FALL PROTECTION FENCING
  - RETAINING WALL
  - ROCKERY RETAINING WALL
  - SIGN "NO PARKING" UNLESS OTHERWISE NOTED
  - STREET LIGHT
  - WALL NUMBER, REFERENCE WALL TABLE ON THIS SHEET
  - FULL DEPTH ASPHALT
  - CONCRETE
  - 2" GRIND AND OVERLAY

**NOTE**  
WALL DETAILS LOCATED ON SHEET DT-05.

**WALL TABLE**

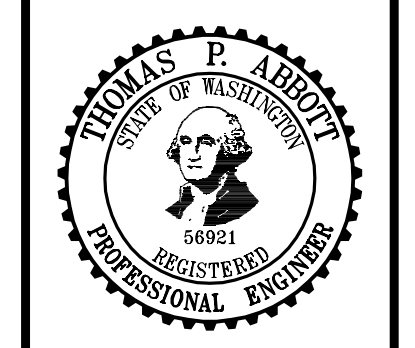
WALL NO.	WALL TYPE	MAX HEIGHT (FT)	LENGTH (FT)	DRAINS TO
1	Cornerstone	3.9	311	CB-34
2	Cornerstone	17.4	304	OUTFALL
3	Vault	20	107	N/A
4	Cornerstone	20	170	OUTFALL
5	Cornerstone	5	108	YD-2
6	Cornerstone	6.5	134	YD-3
7	Cornerstone	6.5	97	YD-3
8	Cornerstone	5.5	92	YD-4
9	Cornerstone	9	100	CB-20
10	Cornerstone	12.5	179	YD-3
11	Cornerstone	4.5	67	YD-10
12	ROCKERY	8	57	YD-10
13	ROCKERY	6.5	67	YD-11
14	ROCKERY	13	549	YD-6
15	ROCKERY	6	80	YD-13
16	Cornerstone	8	65	YD-17
17	Cornerstone	4.5	76	YD-16
18	Cornerstone	5.5	76	YD-18
19	ROCKERY	12	352	YD-23
20	Cornerstone	4	81	CB-30
21	Cornerstone	3.5	86	YD-19
22	Cornerstone	6.5	79	YD-20
23	Cornerstone	5.5	79	YD-21
24	Cornerstone	5	79	YD-22
25	ROCKERY	4	138	YD-23
26	Cornerstone	7.5	120	YD-24
27	Cornerstone	3.5	97	YD-25
28	Cornerstone	5.5	113	CB-6
29	Cornerstone	5.5	77	WALL
30	Cornerstone	13.5	57	YD-30
31	Cornerstone	4	80	YD-33
32	Cornerstone	4	80	YD-35
33	Cornerstone	4	80	YD-36
34	Cornerstone	3.5	75	CB-10
35	Cornerstone	6.5	45	YD-37
36	Cornerstone	5	62	CB-15
37	Cornerstone	5	78	CB-15
38	Cornerstone	3.5	78	CB-15
39	Cornerstone	11.6	272	CB-15

**REVISIONS**

NO.	DATE	DESCRIPTION

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LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 GRADING PLAN



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-GR-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-04-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**GR-01**  
 SHEET 10 OF 39

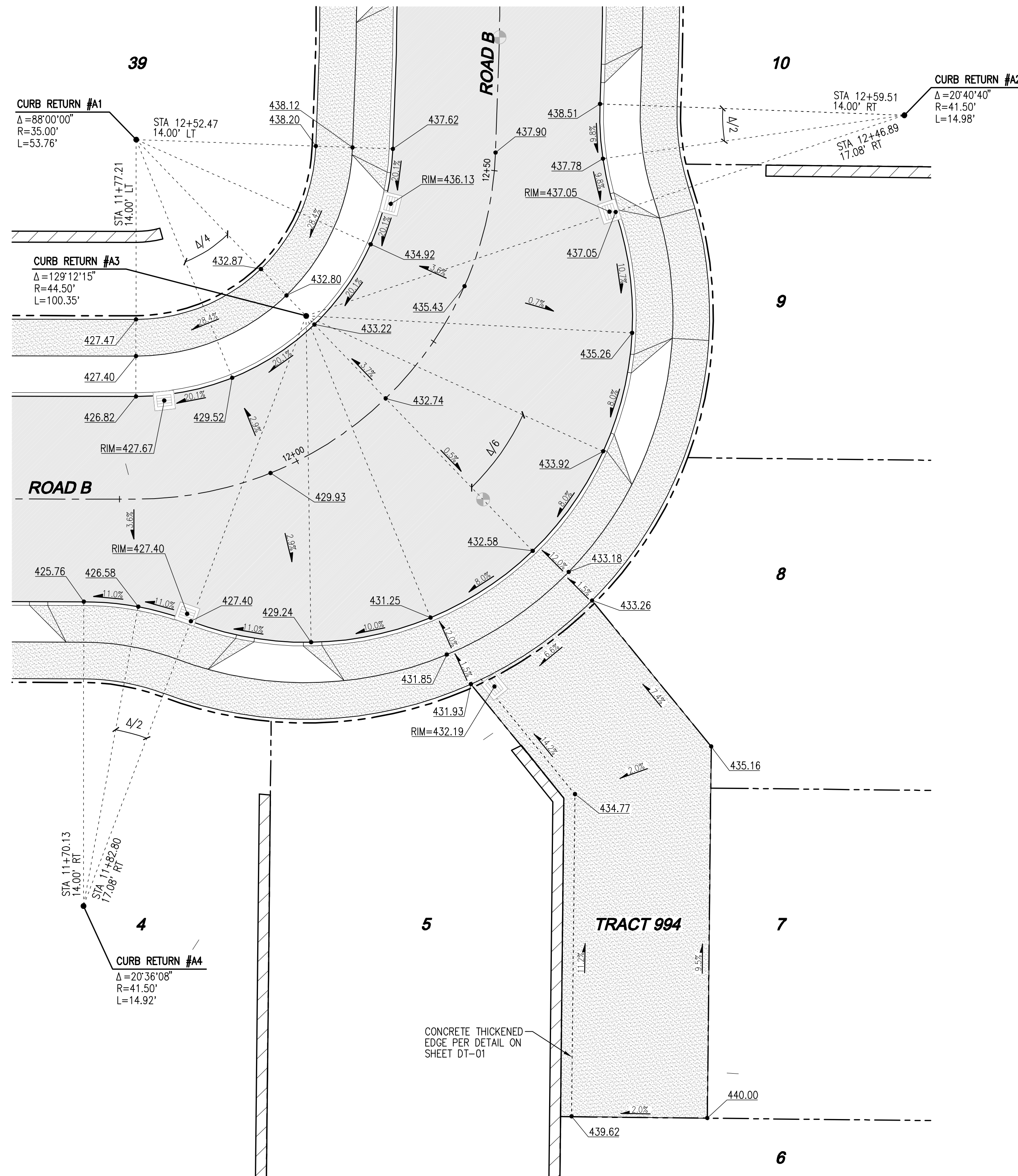
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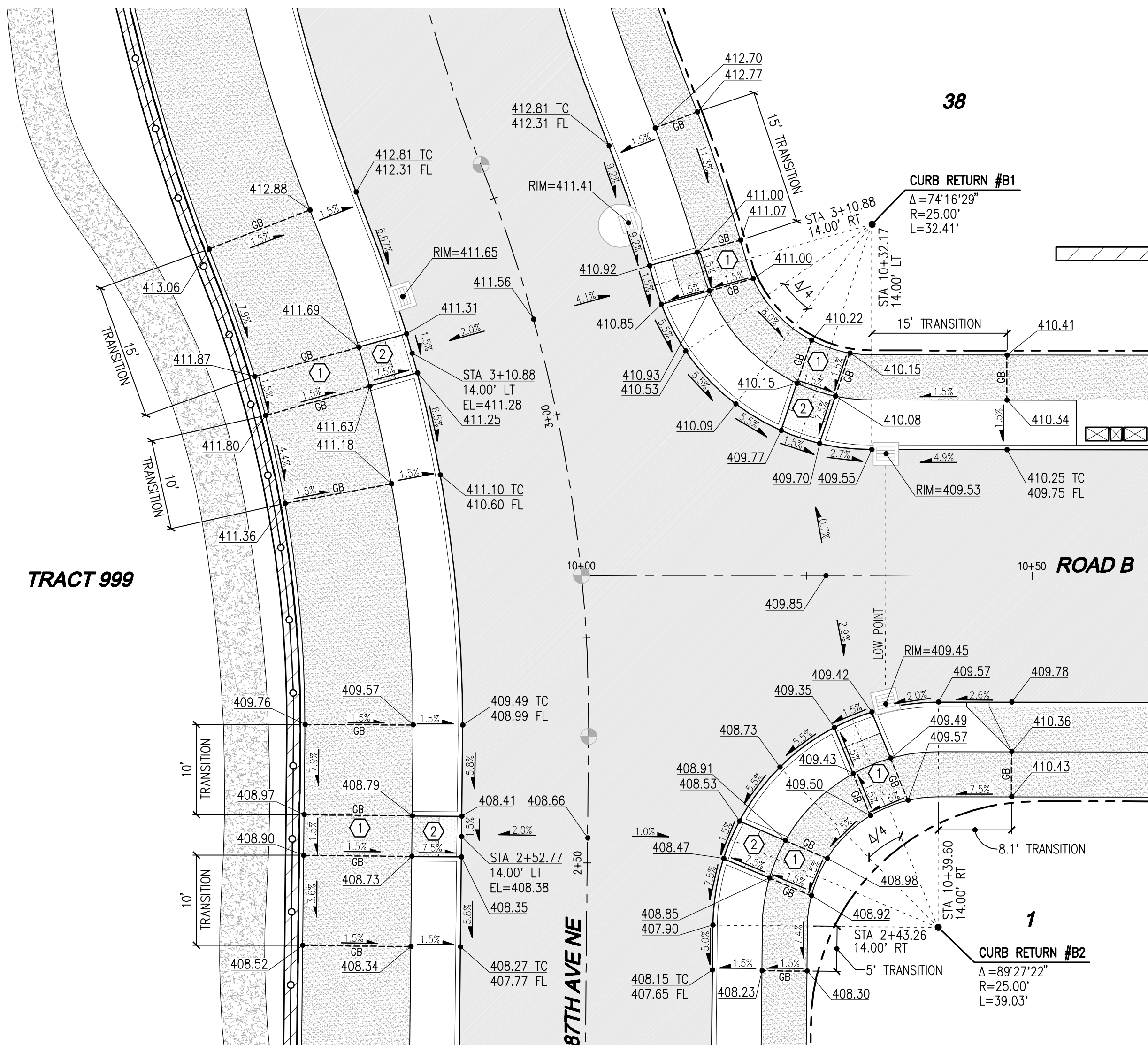
CITY PROJECT #: PA22-023  
  
 Call 2 Business Days Before You Dig  
 811 or 1-800-424-5555  
 Utilities Underground Location Center

Drawing: P:\Civil\2022\C22-177 Brodie.plt\Drawings\Construction\C22177C-GR-PL.dwg Plotfile: Nov 15, 2022 - 12:42pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



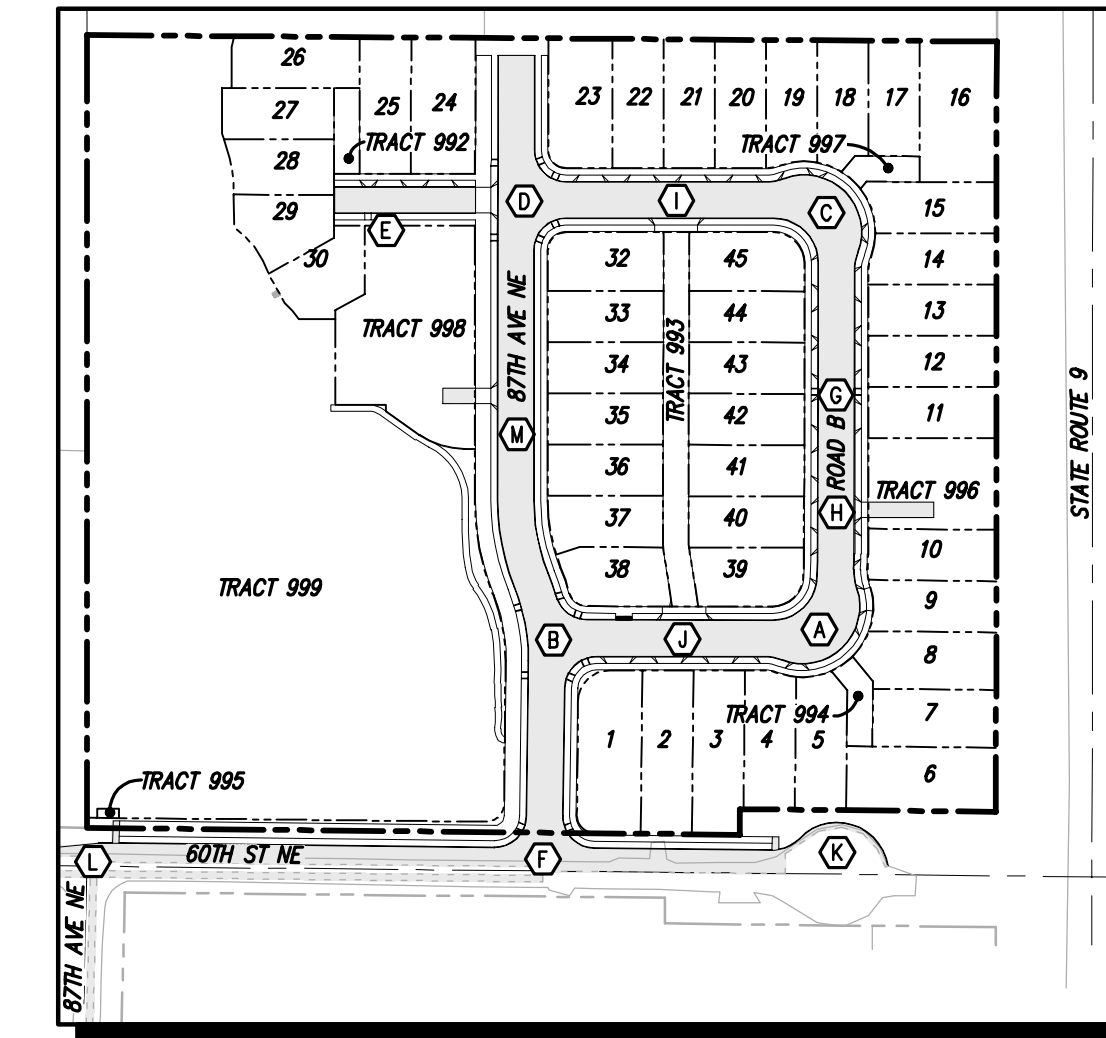
**A ROAD B ELBOW - SOUTH**  
SCALE: 1" = 10'



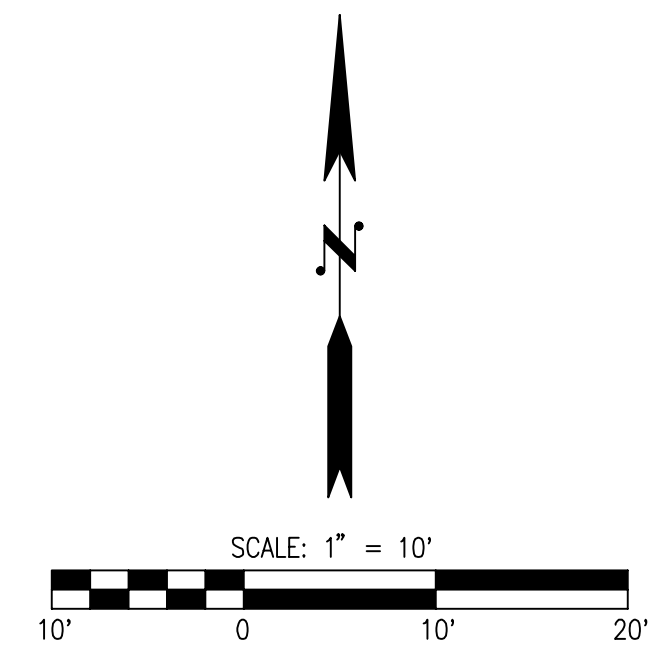
**B 87TH AVE NE AND ROAD B - SOUTH**  
SCALE: 1" = 10'

**ADA RAMP NOTES**

- MINIMUM 4"x4" LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
- ALL SIDEWALK RAMP SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
- ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
- SEE SHEET DT-04 FOR CURB RAMP DETAILS.
- ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.
- GB: GRADE BREAK  
LP: LOW POINT  
HP: HIGH POINT  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
MG: MATCH EXISTING GRADE



**VICINITY MAP**  
SCALE: 1" = 150'



Drawing: P:\Civil\2022\c22-177\_brodie\_plat\Drawings\Construction\C22177-CR-NI.dwg Plotted: Nov 15, 2022 - 12:42pm

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NO.	DATE	DESCRIPTION

**REVISIONS**

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

NO. \_\_\_\_\_ DATE \_\_\_\_\_ DESCRIPTION \_\_\_\_\_

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**BRODIE PLAT**  
INTERSECTION DETAILS

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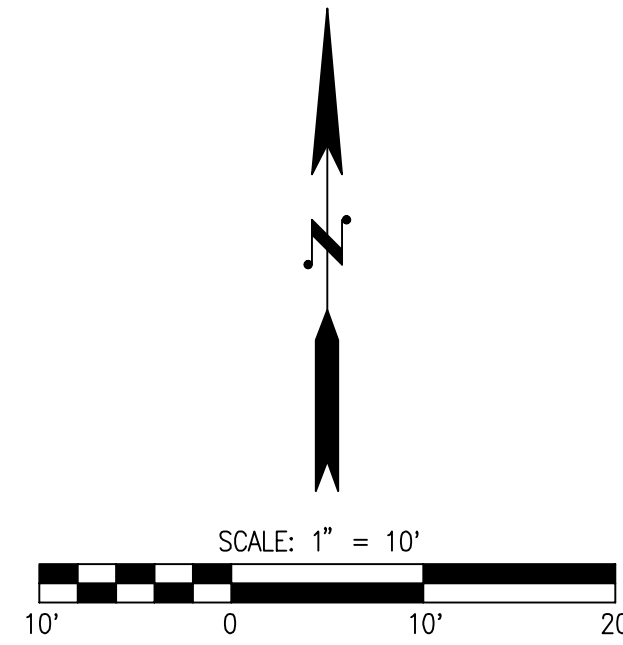
**THOMAS P. ABERNETHY**  
PROFESSIONAL ENGINEER  
68921  
11-22

JOB NUMBER: C22-177  
DRAWING NAME: C22177-CR-NI  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1" = 10'  
JURISDICTION: MARYSVILLE

**GR-02**

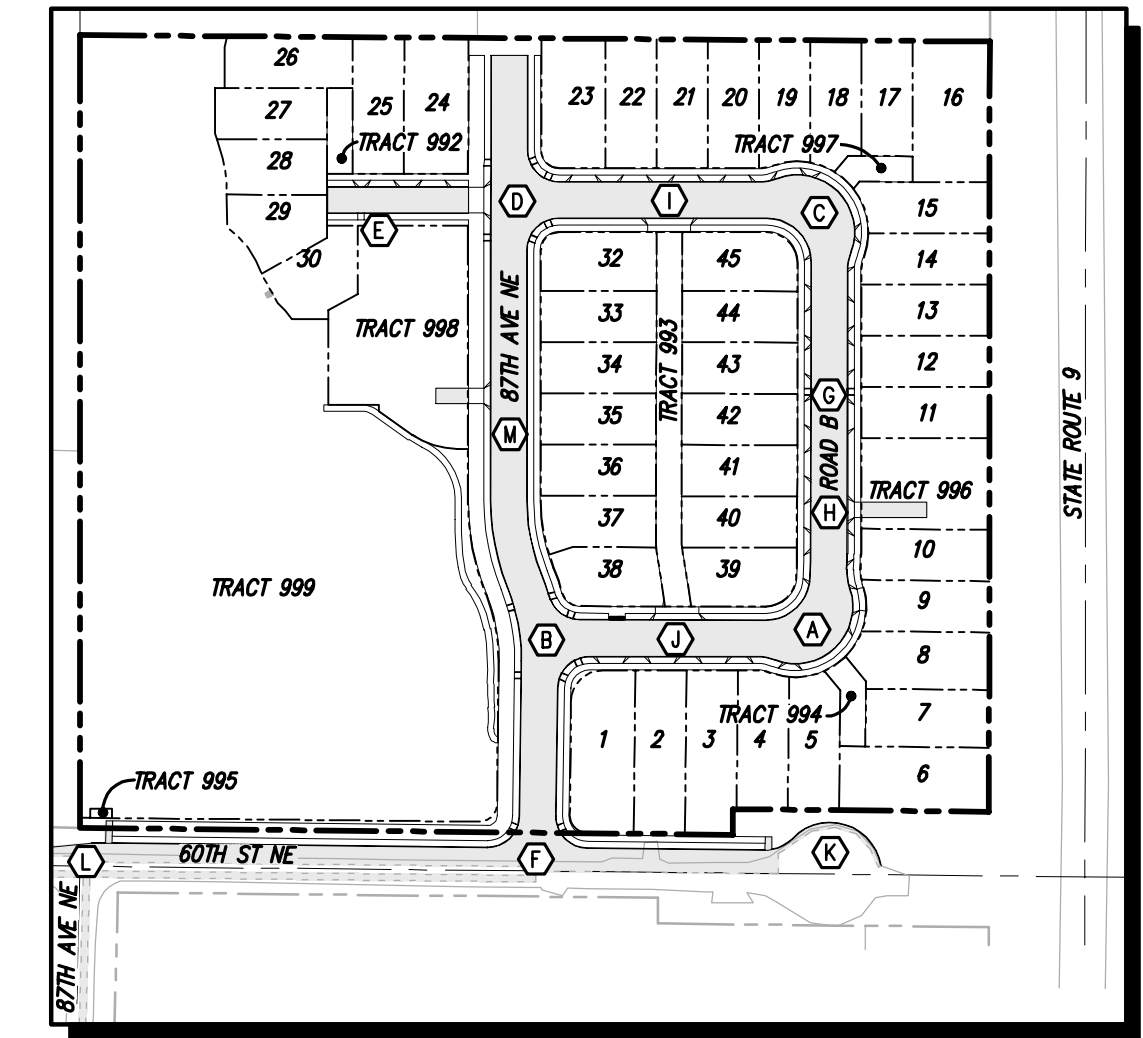
SHEET 11 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON

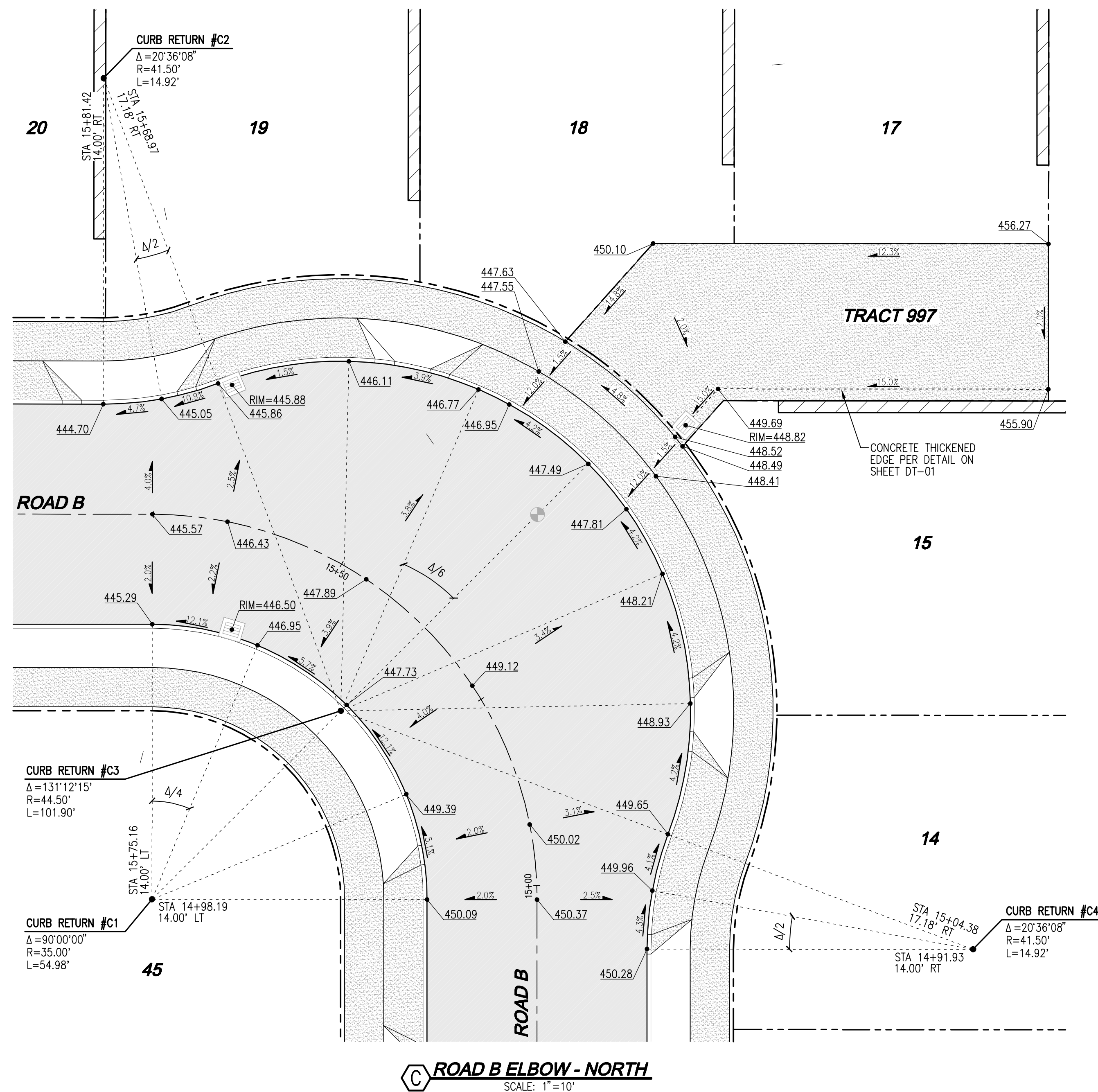


**ADA RAMP NOTES**

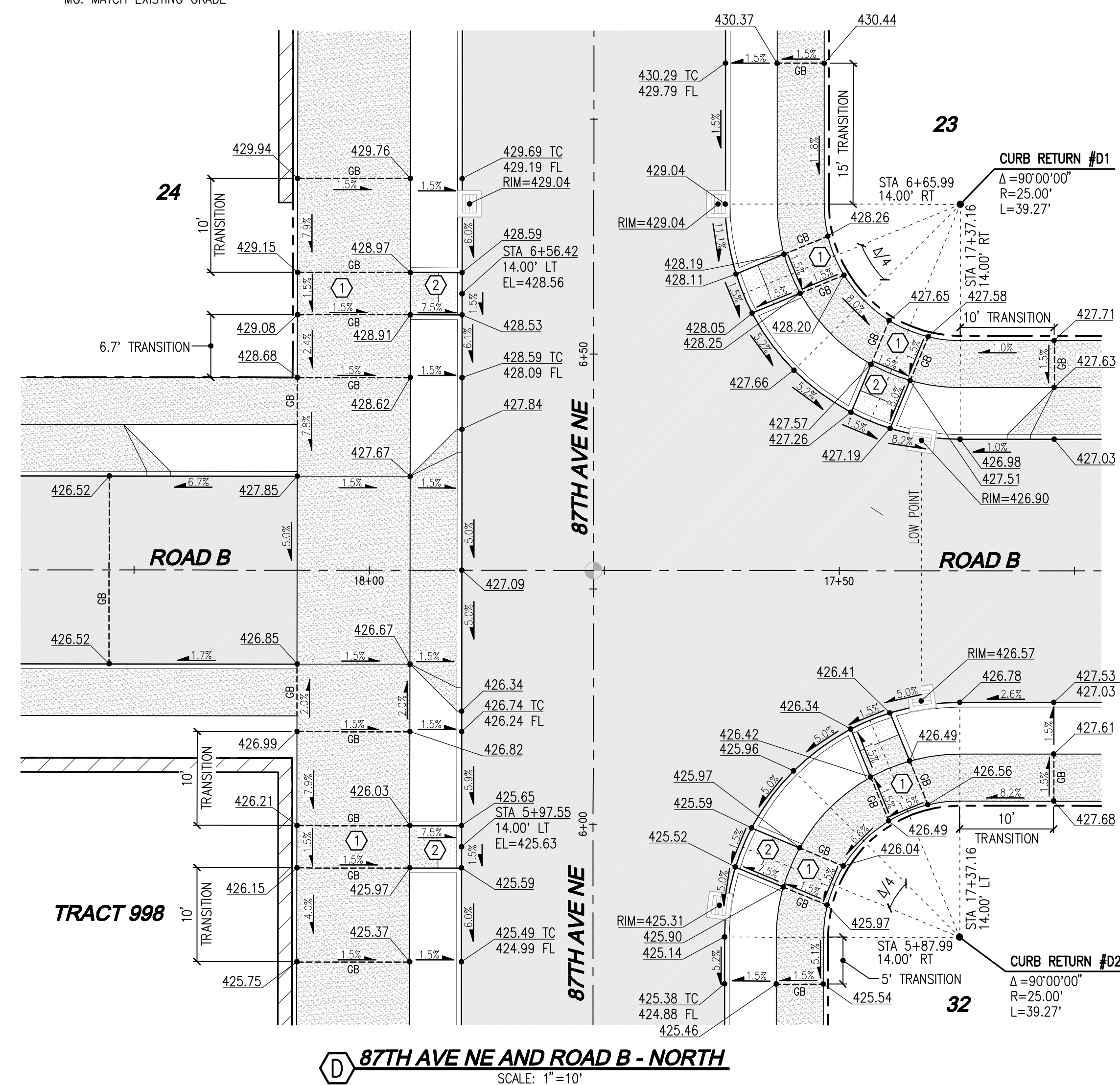
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MG: MATCH EXISTING GRADE



**VICINITY MAP**  
SCALE: 1"=150'



**C ROAD B ELBOW - NORTH**  
SCALE: 1"=10'



**D 87TH AVE NE AND ROAD B - NORTH**  
SCALE: 1"=10'

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**CITY PROJECT #: PA22-023**

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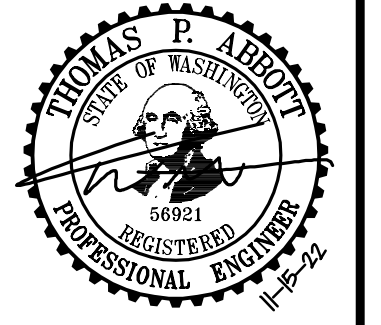
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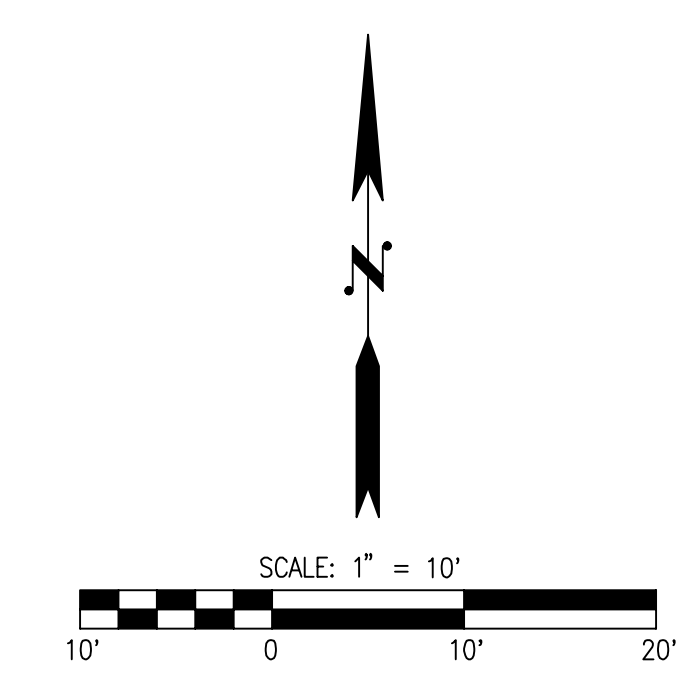
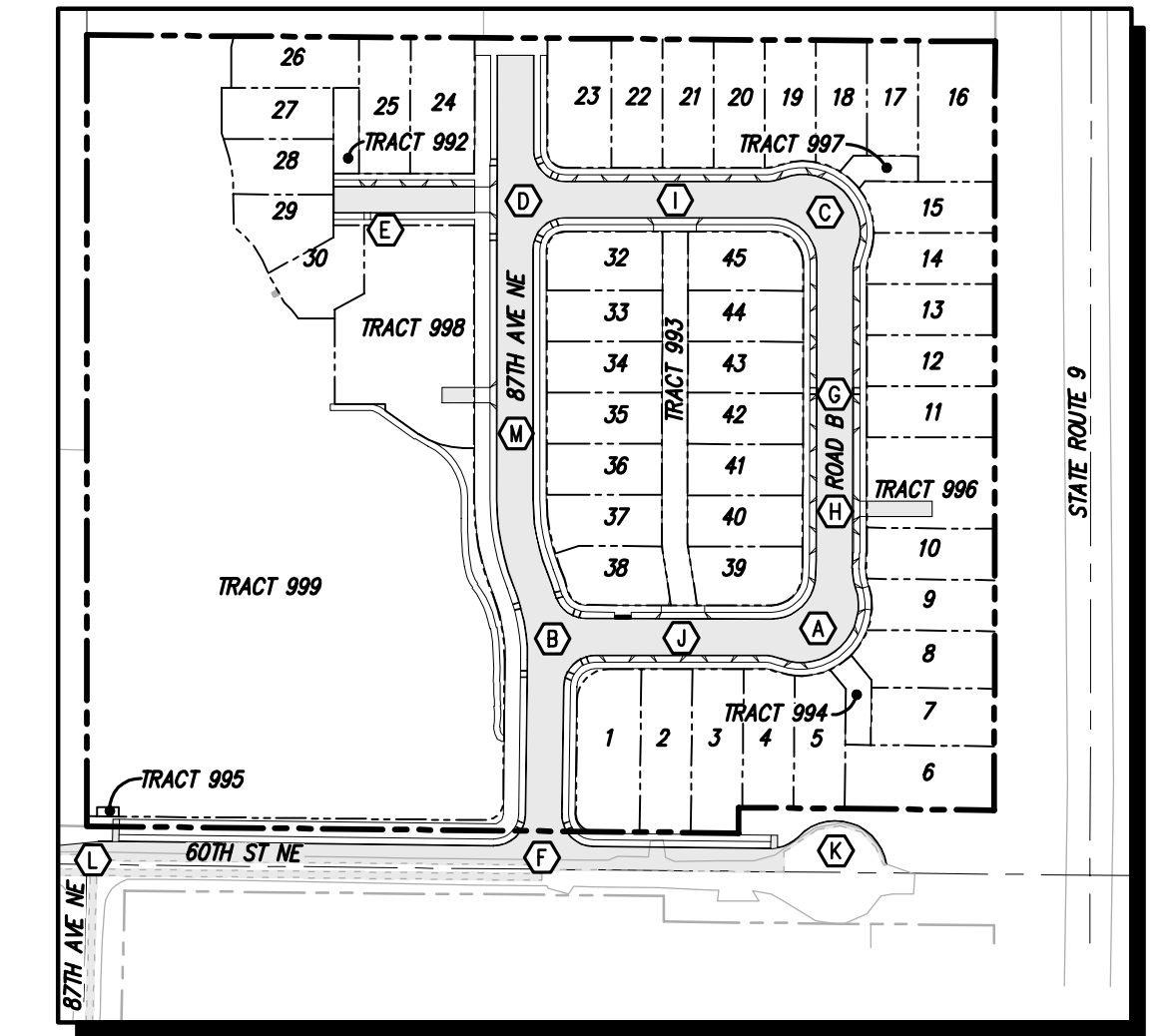
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**BRODIE PLAT**  
INTERSECTION DETAILS



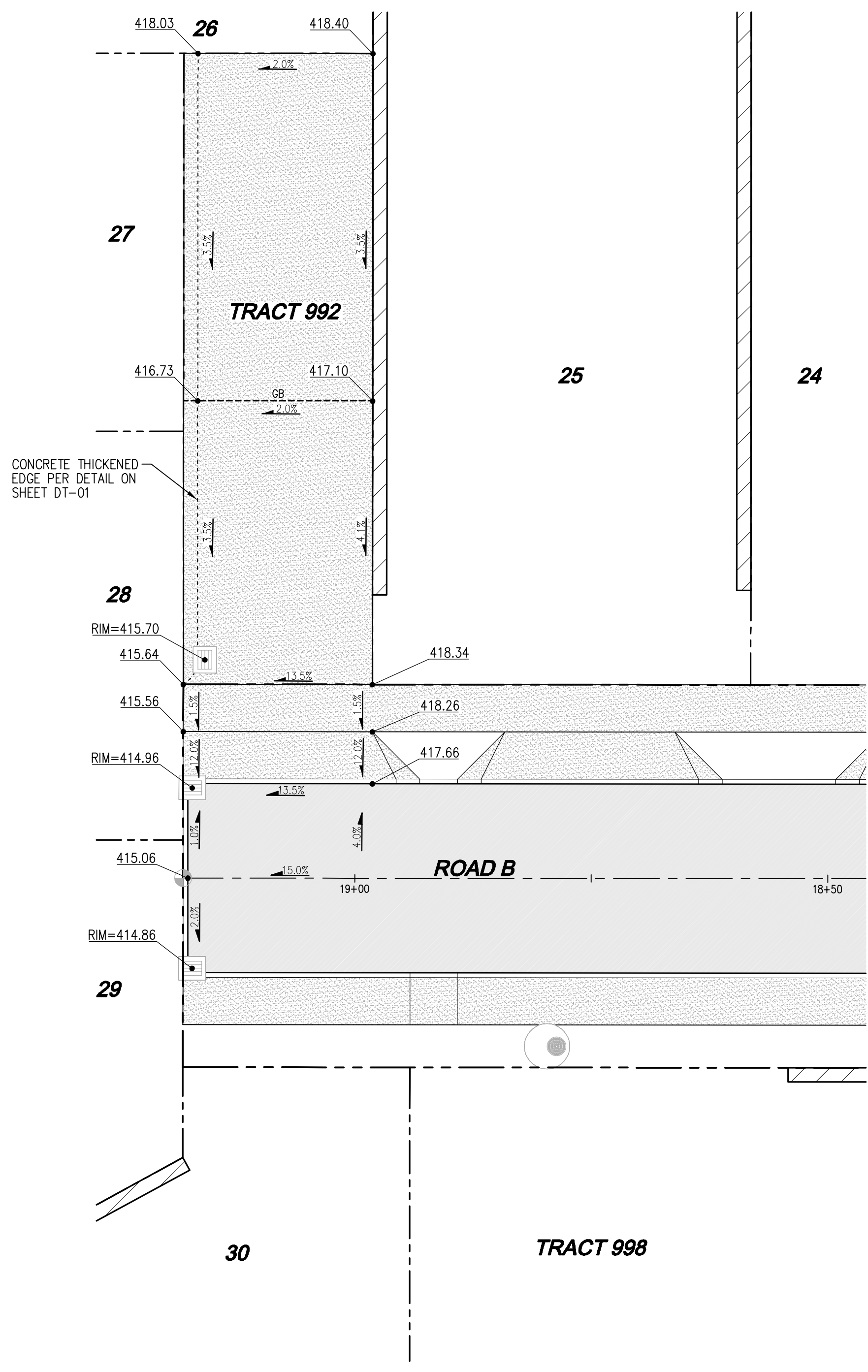
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JURISDICTION: MARYSVILLE

**GR-03**  
SHEET 12 OF 39

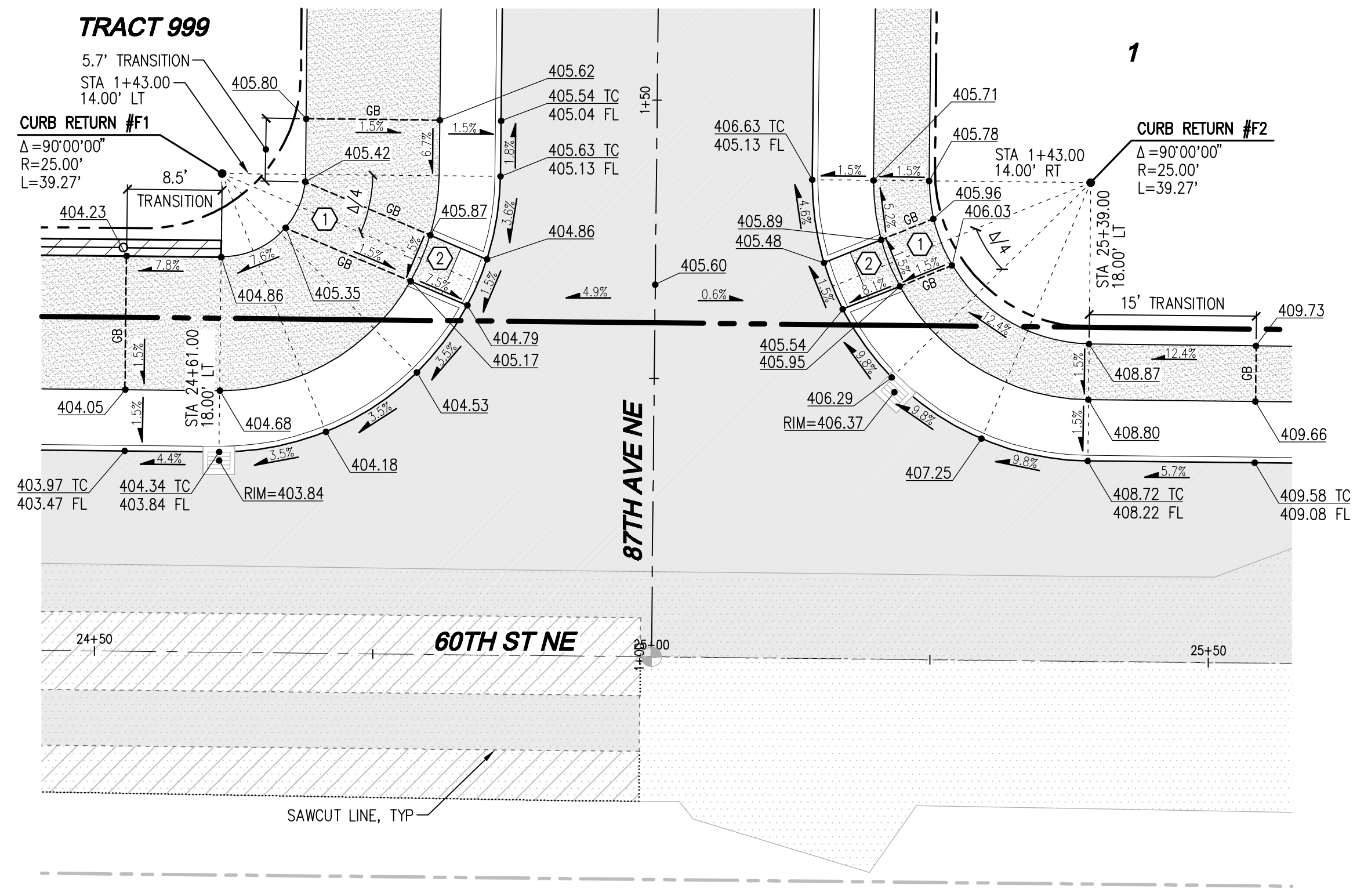
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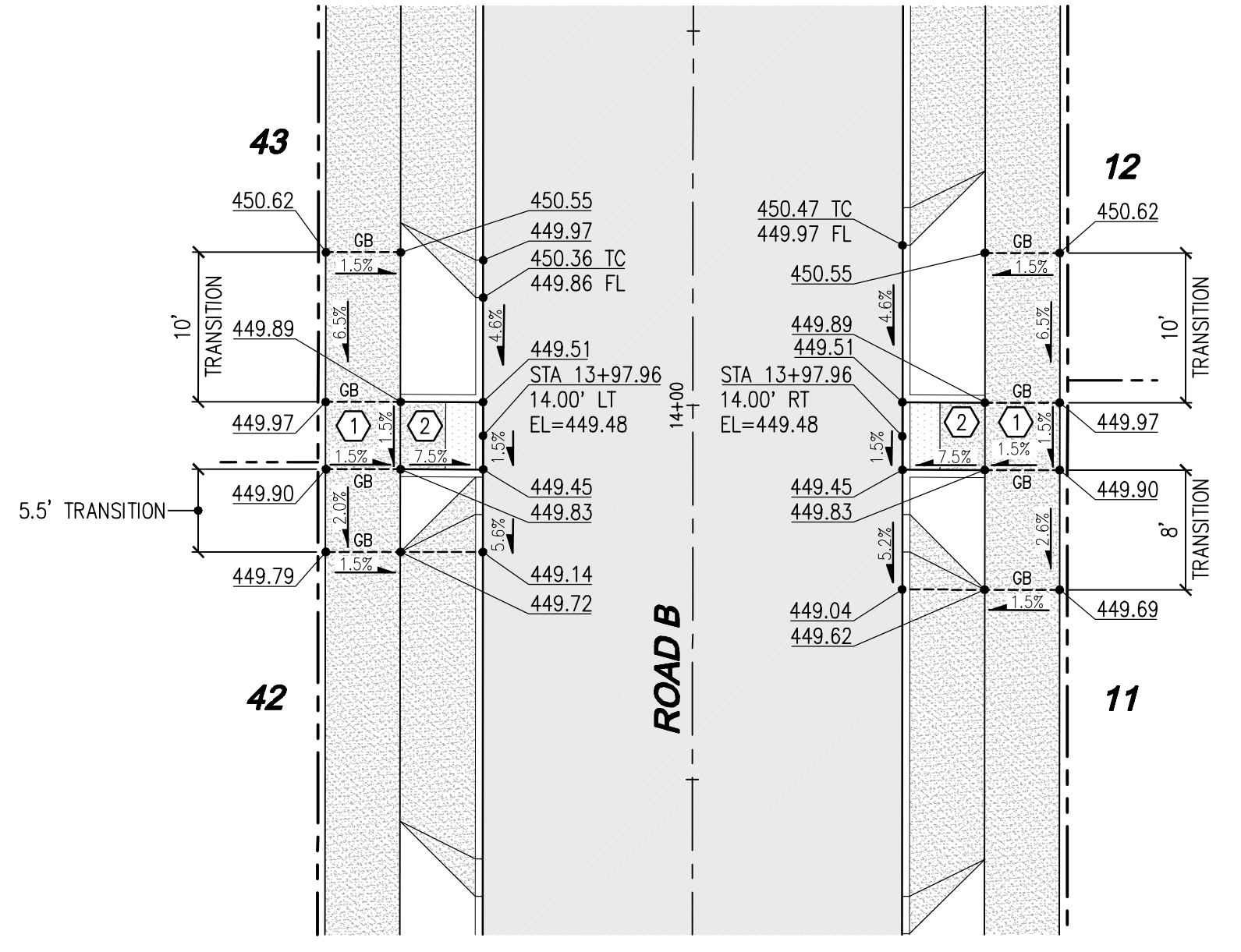
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HP: HIGH POINT  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
MG: MATCH EXISTING GRADE



**E** TRACT 992  
SCALE: 1"=10'



**F** 60TH ST NE AND 87TH AVE NE  
SCALE: 1"=10'



**G** ROAD B  
SCALE: 1"=10'

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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

NO.	DATE	REVISIONS DESCRIPTION

**LDC**  
Surveying  
Engineering  
Planning

Kent  
Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
www.LDCcorp.com

Olympia  
F 425-482-2893

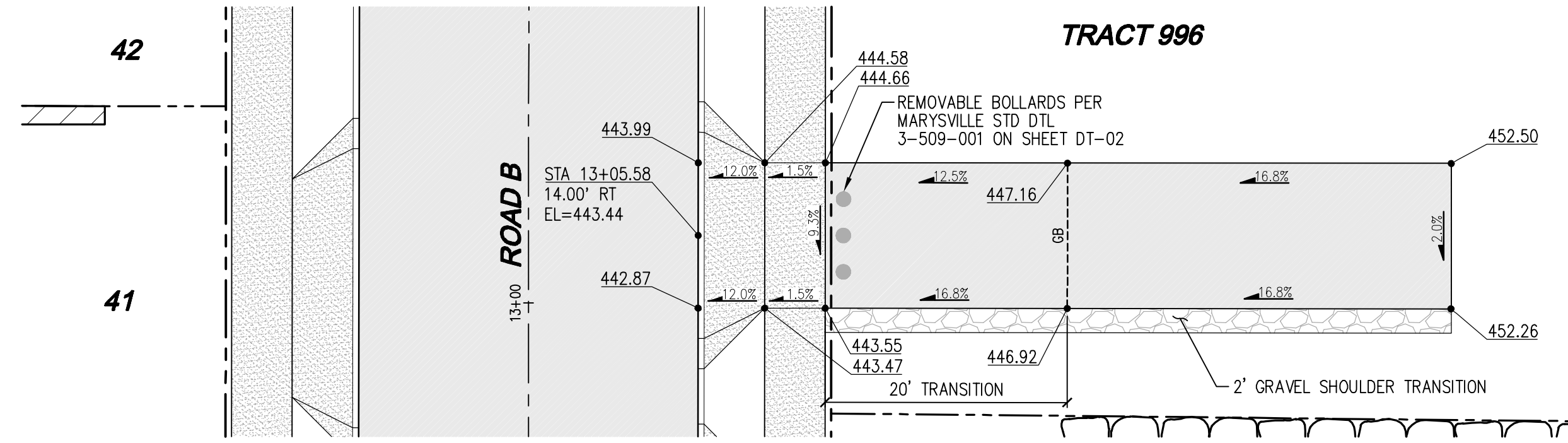
LAND PRO GROUP, INC.  
**BRODIE PLAT**  
INTERSECTION DETAILS

THOMAS P. ARDREY  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER  
56921

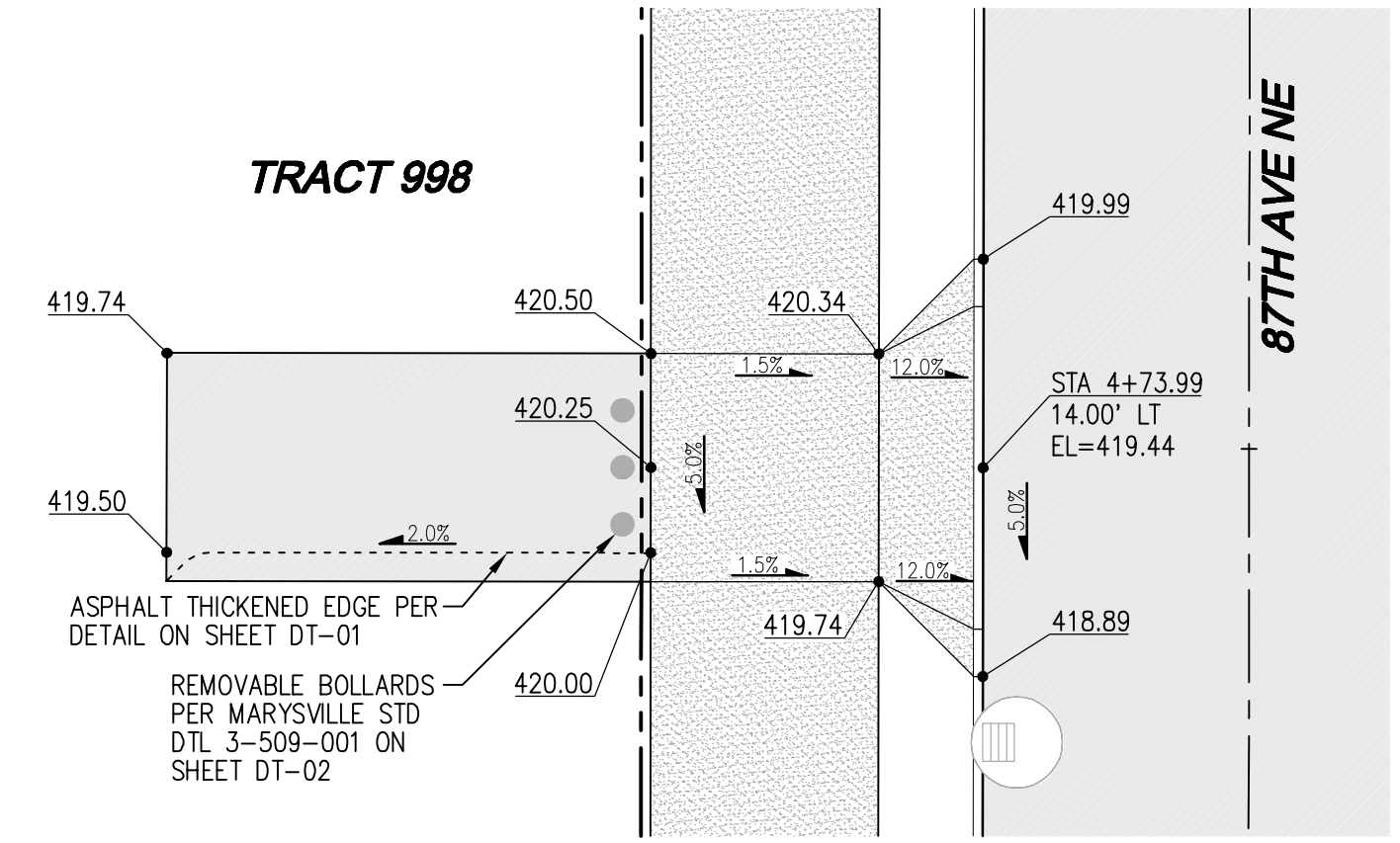
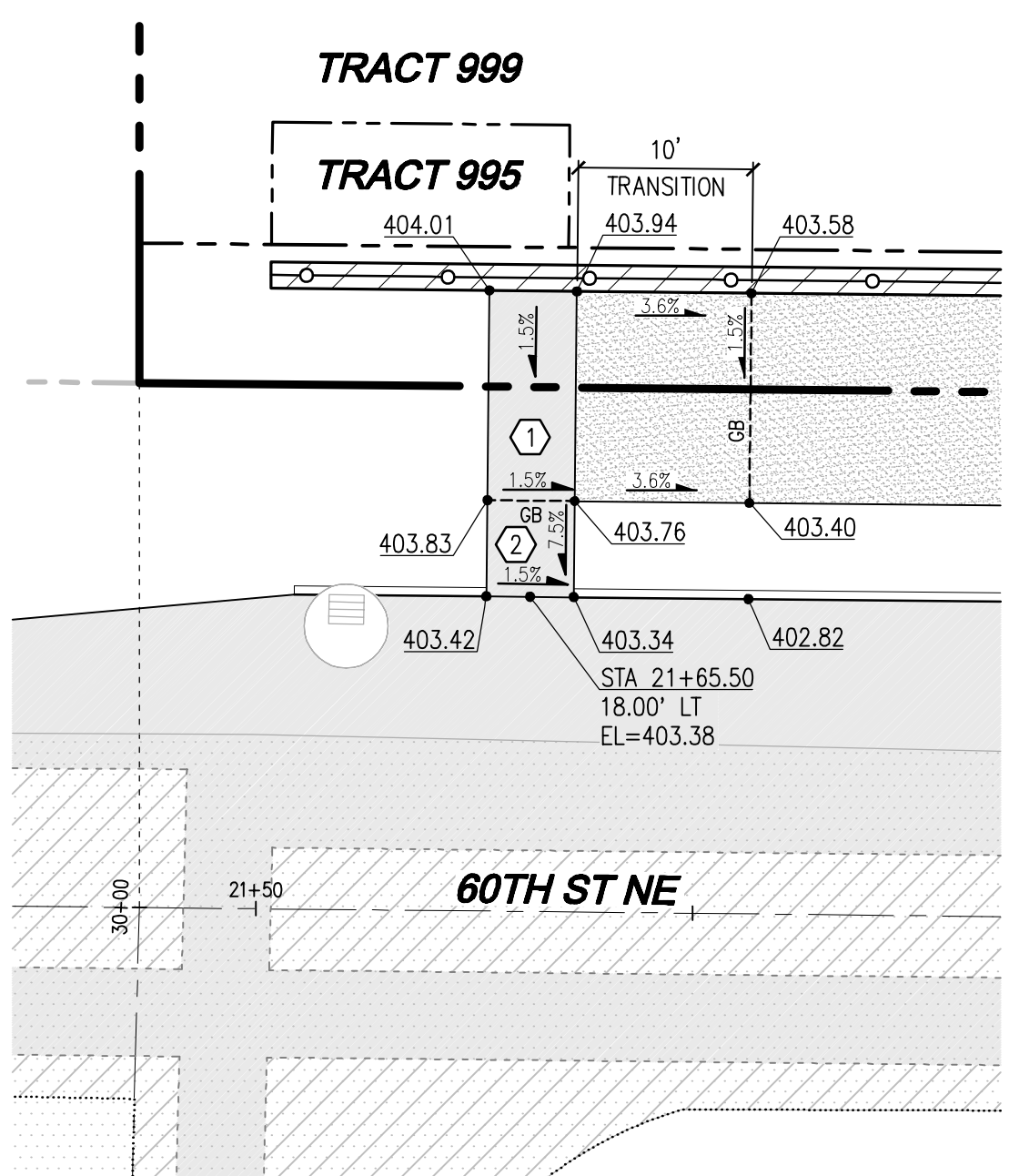
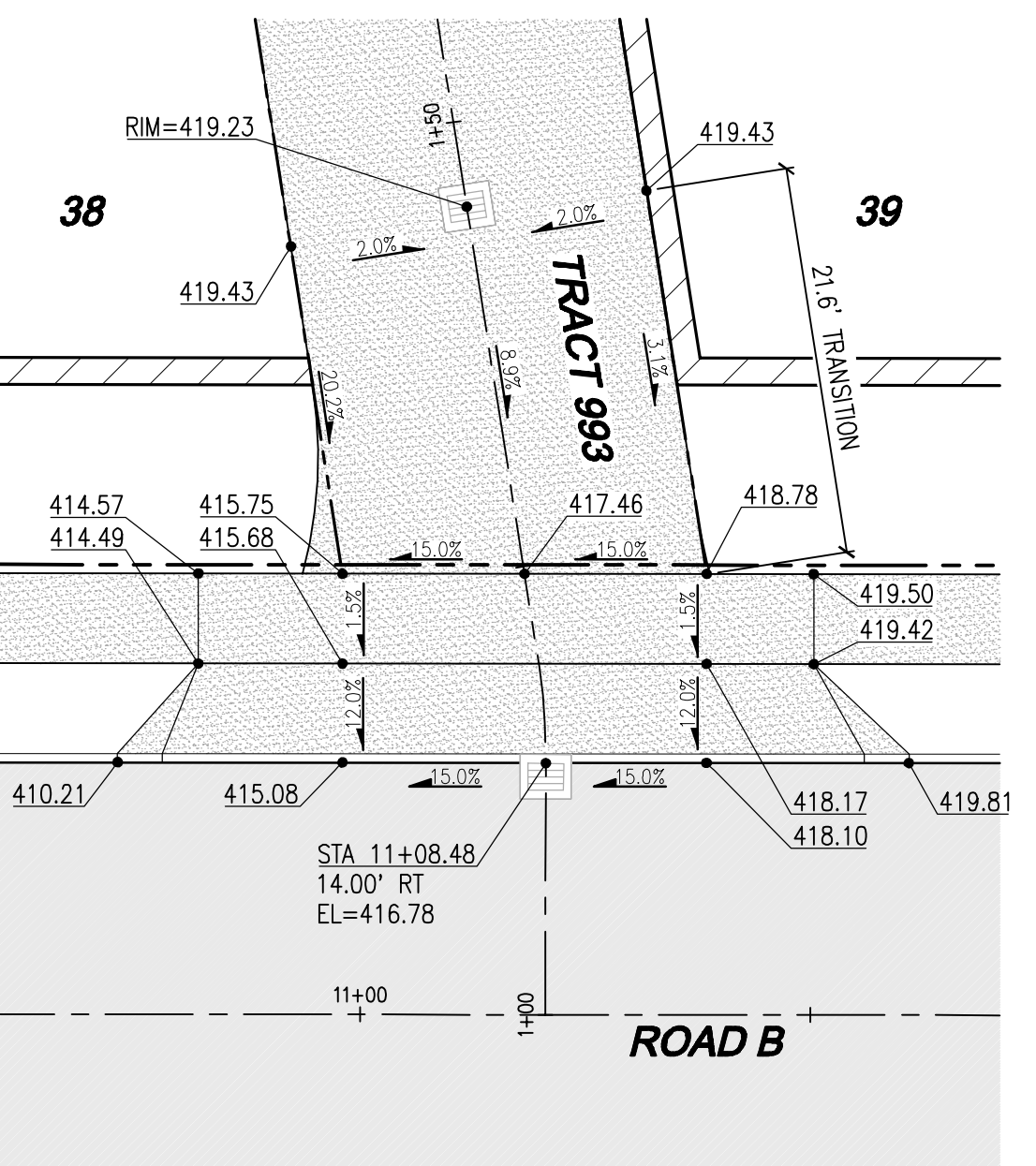
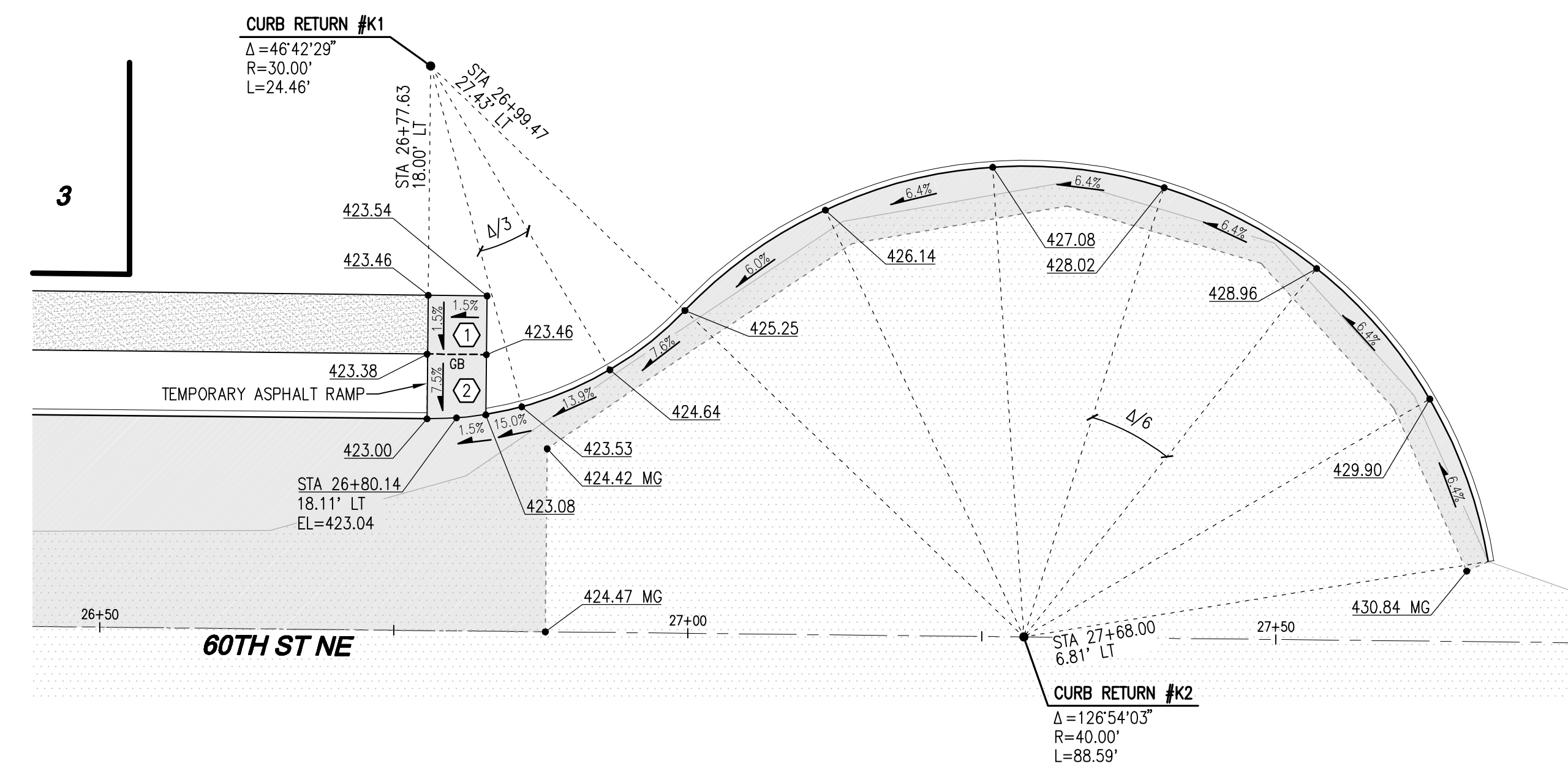
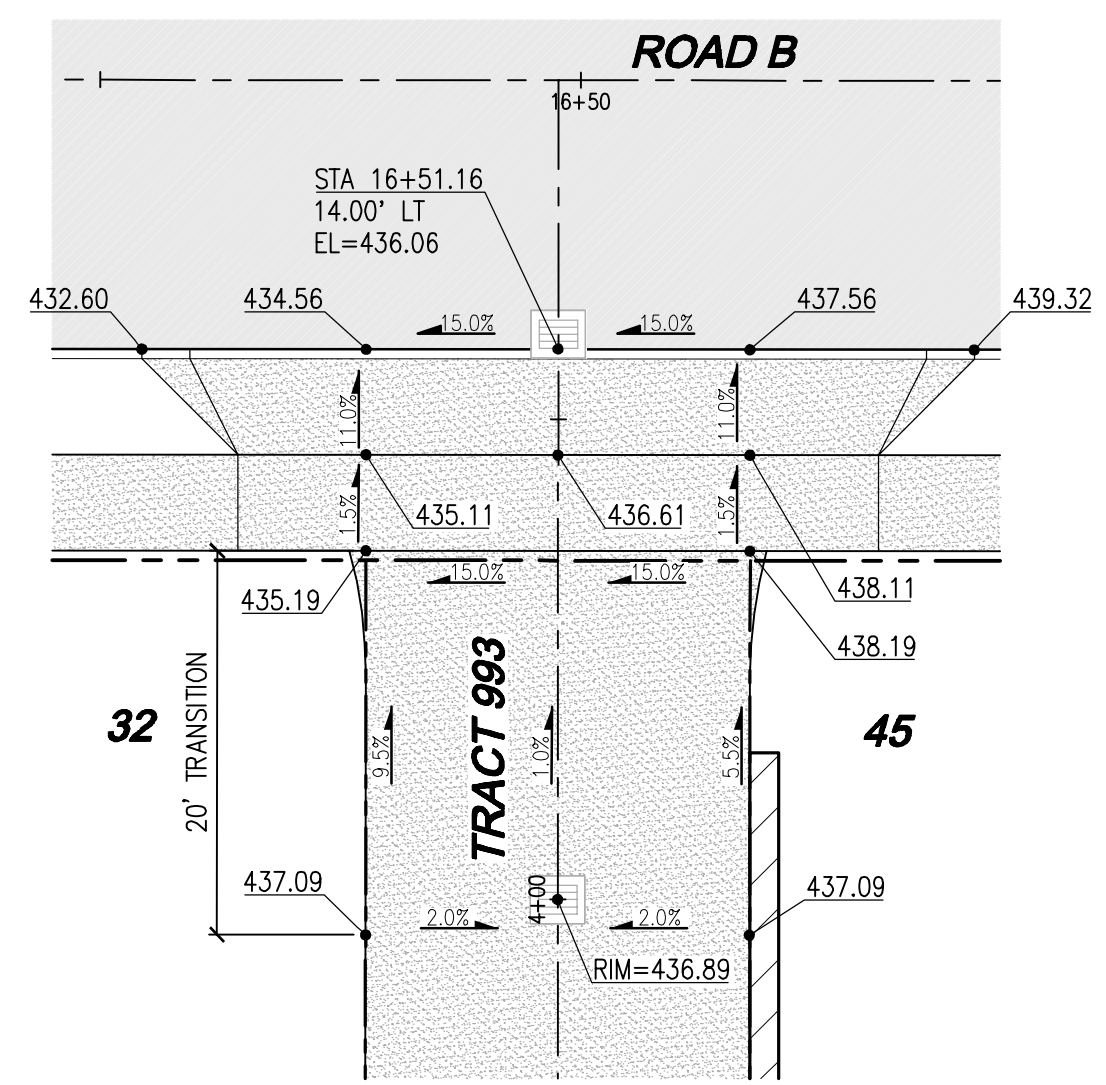
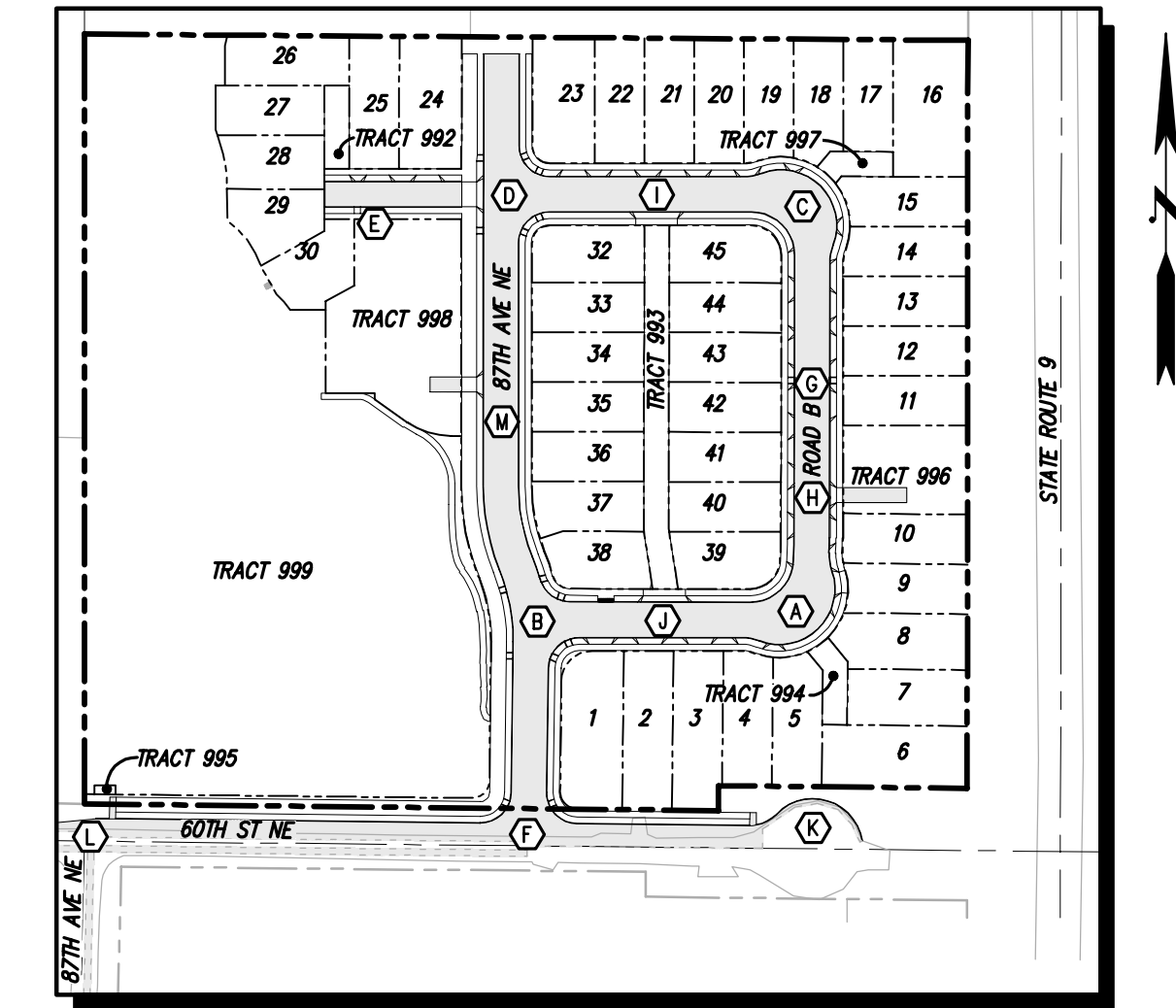
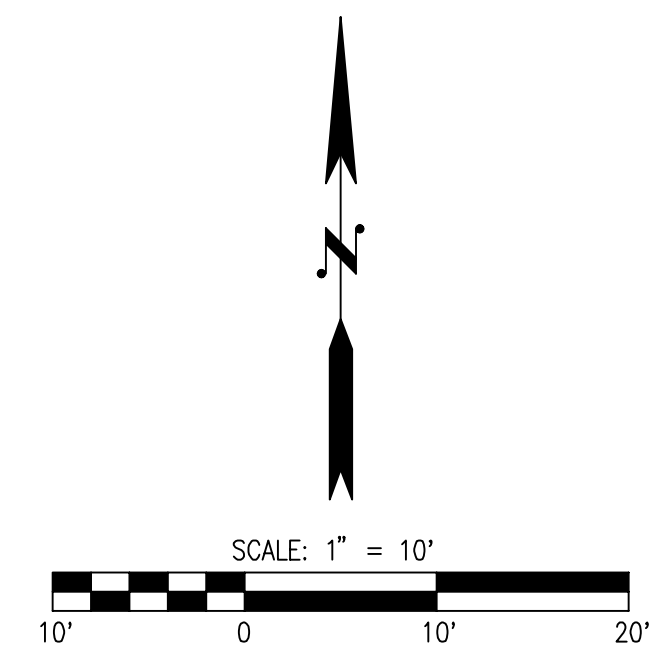
JOB NUMBER: C22-177  
DRAWING NAME: C22177-CR-NI  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=10'  
JURISDICTION: MARYSVILLE

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177-CR-NI.dwg Plotted: Nov 15, 2022 - 12:43pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



- ADA RAMP NOTES**
- MINIMUM 4'x4' LANDING NOT TO EXCEED 2% RUNNING OR CROSS SLOPE.
  - ALL SIDEWALK RAMP SHALL NOT EXCEED 8.33% WITH 2% MAX CROSS SLOPE.
  - ALL SIDEWALKS CROSS SLOPE TO BE 1.75% ± 0.25%.
  - SEE SHEET DT-04 FOR CURB RAMP DETAILS.
  - ALL CURB ELEVATION AT FLOWLINE UNLESS OTHERWISE NOTED.
  - GB: GRADE BREAK  
LP: LOW POINT  
HP: HIGH POINT  
TC: TOP OF CURB  
BC: BOTTOM OF CURB  
MG: MATCH EXISTING GRADE



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CITY PROJECT #: PA22-023

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THIS DAY OF \_\_\_\_\_

BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

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NO. DATE		DESCRIPTION	
REVISIONS			

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
INTERSECTION DETAILS

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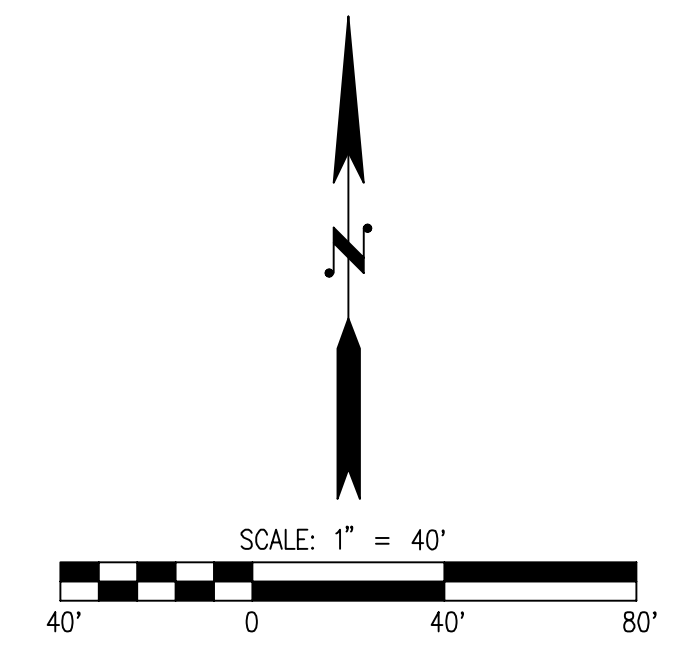
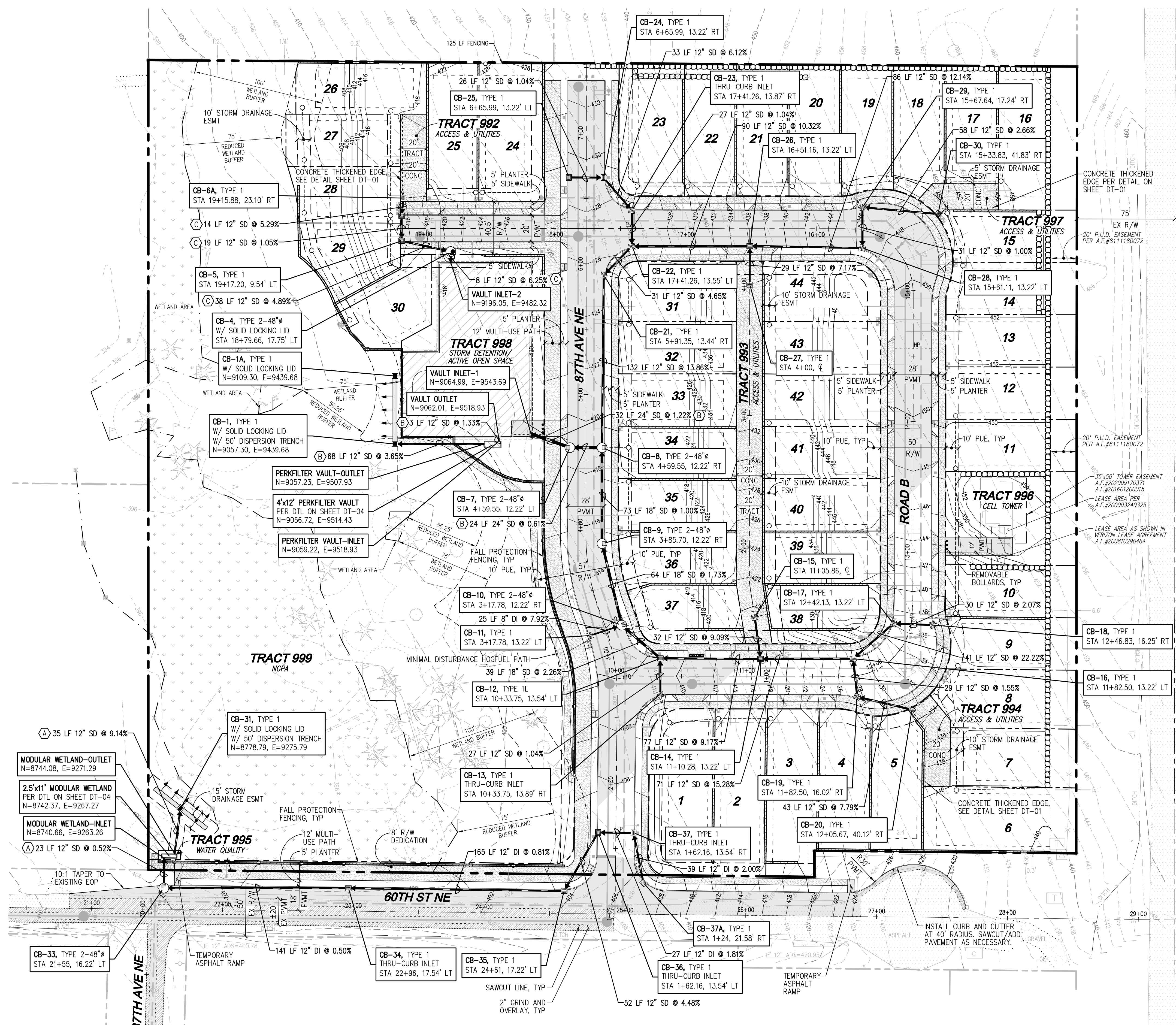
THOMAS P. ABBOTT  
PROFESSIONAL ENGINEER  
68921  
10-15-22

JOB NUMBER: C22-177  
DRAWING NAME: C22177-CR-NI  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=10'  
JURISDICTION: MARYSVILLE

**GR-05**  
SHEET 14 OF 39

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177-CR-NI.dwg Plotted: Nov 15, 2022 - 12:43pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**LEGEND**

- STORM PIPE
- DRAIN LINE
- 6" PVC FRENCH DRAIN
- SEWER PIPE
- WATER PIPE
- FALL PROTECTION FENCING
- SIGN "NO PARKING" UNLESS OTHERWISE NOTED
- STREET LIGHT
- FULL DEPTH ASPHALT
- CONCRETE
- 2" GRIND AND OVERLAY
- SEE STORM ALIGNMENT A ON SHEET RD-02
- SEE STORM ALIGNMENT B ON SHEET RD-05
- SEE STORM ALIGNMENT C ON SHEET RD-05

**DRIVEWAY CUT TABLE**

LOT	STATION	WIDTH (FT)	SIDE	ROAD
1	10+56	18	RT	ROAD B
2	10+96	18	RT	ROAD B
3	11+36	18	RT	ROAD B
4	11+78	21	RT	ROAD B
TRACT 994, 5-8	12+10	44	RT	ROAD B
9	12+40	17	RT	ROAD B
10	12+76	18	RT	ROAD B
TRACT 996	13+05	12	RT	ROAD B
11	13+78	18	RT	ROAD B
12	14+24	18	RT	ROAD B
13	14+58	18	RT	ROAD B
14	15+04	19	RT	ROAD B
TRACT 997, 15-18	15+33	47	RT	ROAD B
19	15+62	17	RT	ROAD B
20	15+98	18	RT	ROAD B
21	16+38	18	RT	ROAD B
22	16+78	18	RT	ROAD B
23	17+18	18	RT	ROAD B
24	18+35	18	RT	ROAD B
25	18+75	18	RT	ROAD B
TRACT 992, 26-28	19+11	26	RT	ROAD B
29-30	19+13	38	LT	ROAD B
38	12+58	18	LT	ROAD B
39	13+01	18	LT	ROAD B
40	13+41	18	LT	ROAD B
41	13+81	18	LT	ROAD B
42	14+21	18	LT	ROAD B
43	14+51	18	LT	ROAD B
44	14+91	18	LT	ROAD B
ROAD B	6+27	20	LT	87TH AVE NE
TRACT 993	11+08	34	LT	ROAD B
TRACT 993	16+51	34	LT	ROAD B
TRACT	4+74	12	LT	87TH AVE NE

**REVISIONS**

NO.	DATE	DESCRIPTION

**LDC** Surveying Engineering Planning  
 Kent Woodinville Olympia  
 20210 142nd Avenue NE Woodinville, WA 98072  
 T 425.866.1869 www.LDCcorp.com

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 ROAD AND STORM DRAINAGE PLAN

THOMAS P. BRODIE  
 STATE OF WASHINGTON  
 PROFESSIONAL ENGINEER  
 56921

JOB NUMBER: C22-177  
 DRAWING NAME: C2217C-RD-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-04-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

CITY PROJECT #: PA22-023

**RD-01**  
 SHEET 15 OF 39

- NOTES**
- SEE SHEET DT-01 FOR GENERAL NOTES.
  - SEE SHEET RD-06 FOR ROAD SECTIONS.
  - GRADING AND PLACEMENT OF WALLS MUST BE IN CONFORMANCE WITH 220.50.030 OF THE MMC.
  - ALL DISTURBED PVIOUS AREAS TO BE UNDERLAIN WITH BMP T5.13 SOILS.
  - TRENCH RESTORATION SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 3-703 OF THE EDDS.
  - ALL OVERHEAD UTILITIES ARE TO BE PLACED UNDERGROUND.
  - SEE SHEET RD-03 FOR YARD DRAIN TABLE.

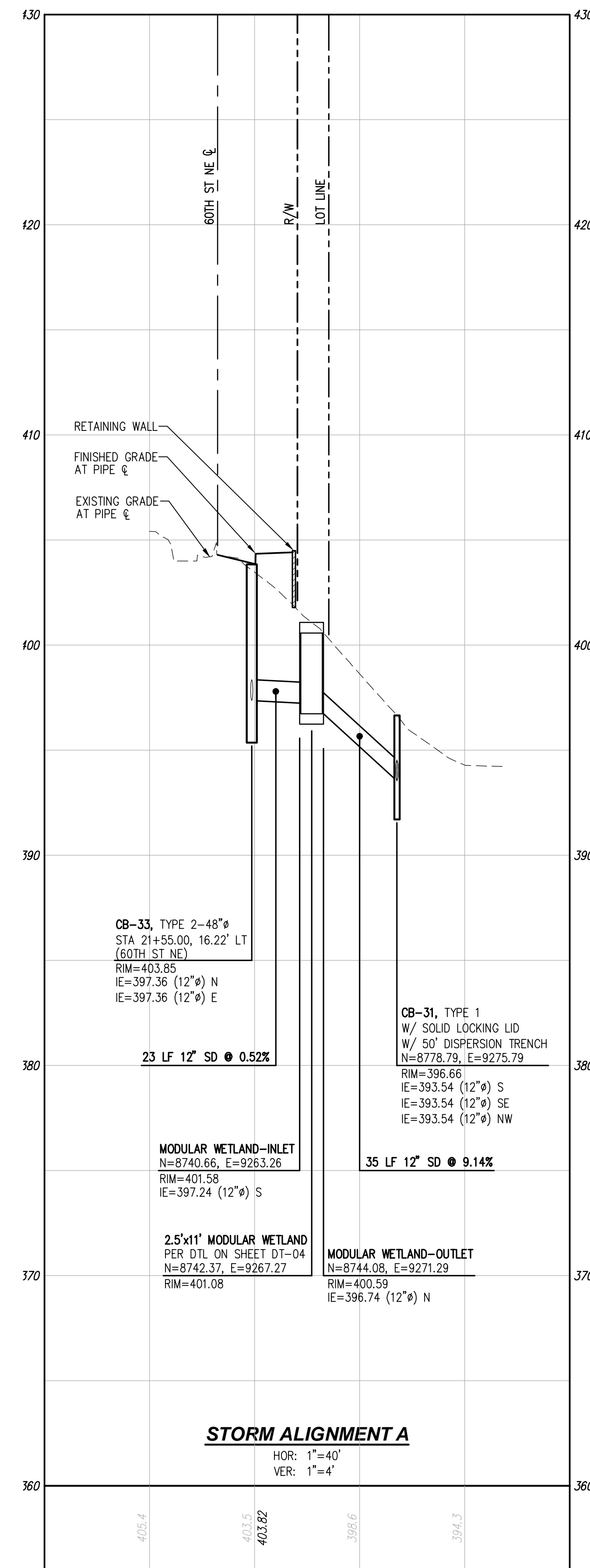
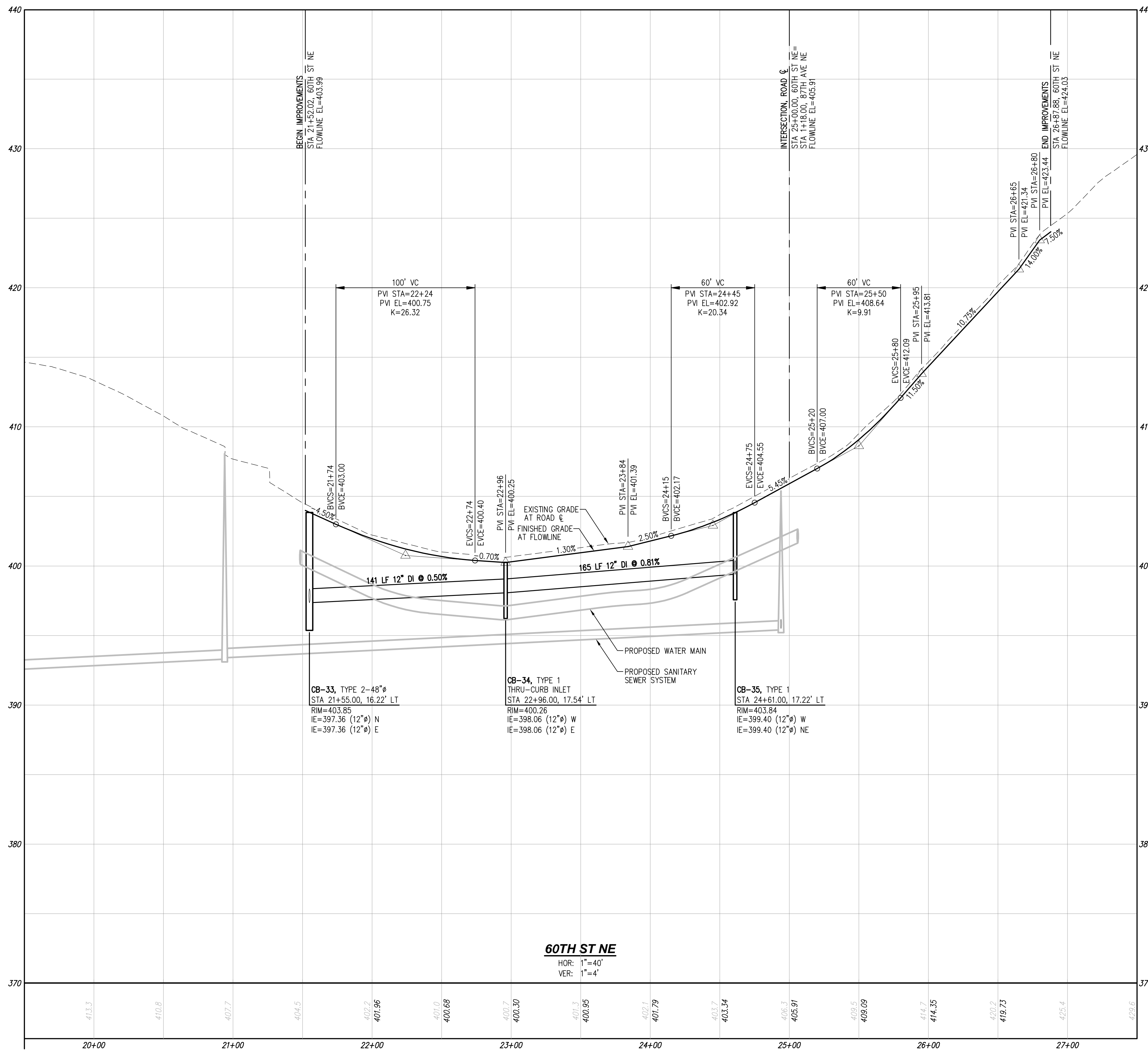
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Drawing: P:\Civil\2022\C22-177 Brodie (part)\Drawings\Construction\C2217C-RD-PL.dwg Plotfile: Nov 15, 2022 - 12:43pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



Drawing: P:\Civil\2022\22-177\_brodie\_plat\Drawings\Construction\C22177C-RD-PR.dwg Plotted: Nov 15, 2022 - 12:44pm

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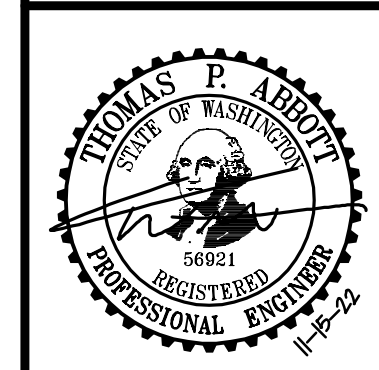


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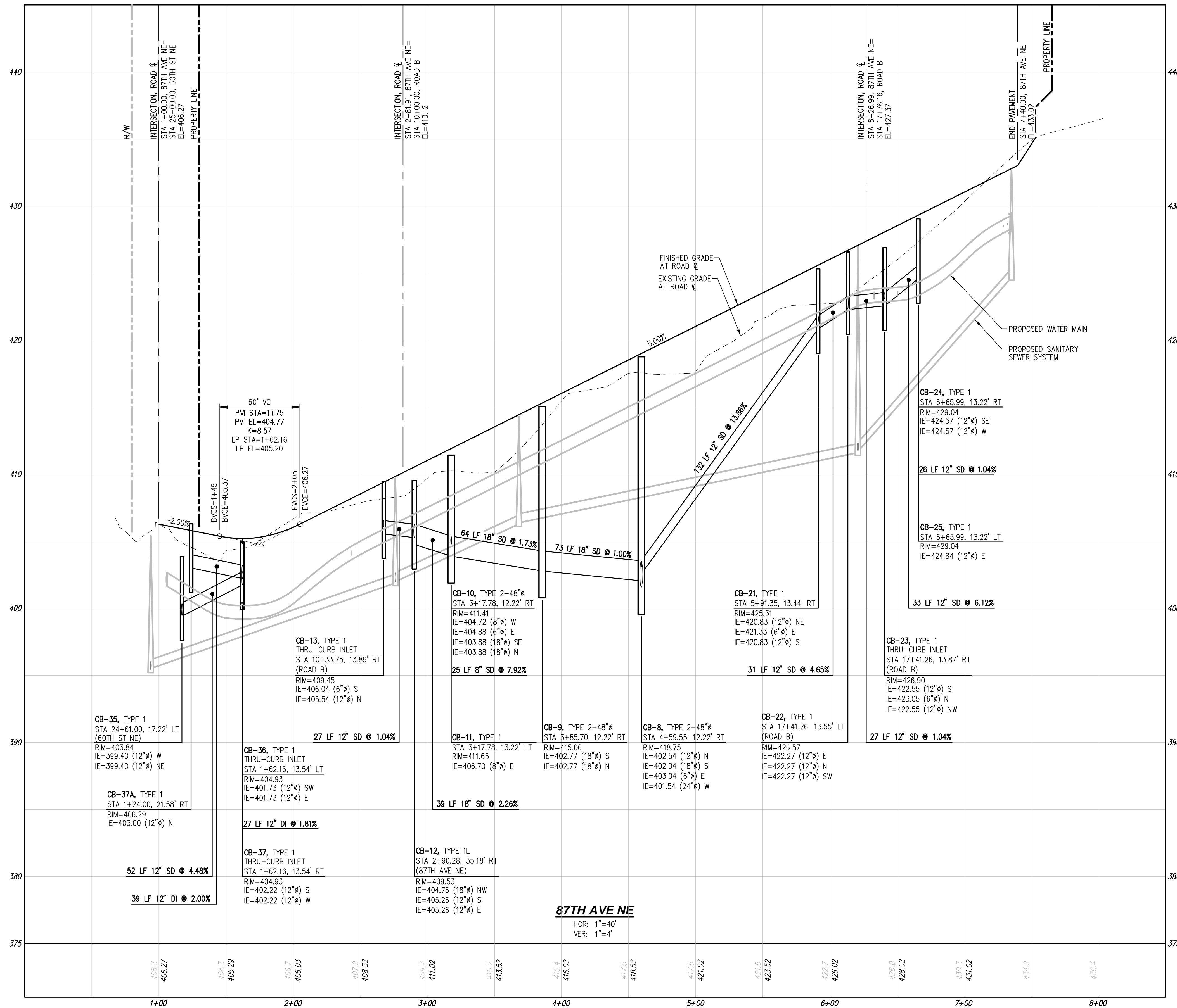
LAND PRO GROUP, INC.  
**BRODIE PLAT**  
ROAD AND STORM DRAINAGE PROFILES



JOB NUMBER: C22-177  
DRAWING NAME: C22177C-RD-PR  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE



PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



YARD DRAIN CLEANOUT TABLE

YD #	DEPTH (FT)	RIM (FT)	IE (FT)	PIPE SIZE (IN)	DOWNSREAM (LF)	DOWNSREAM SLOPE
YD-1	3.50	410.08	406.58	6.00	22.0	2.5%
YD-2	3.50	413.17	409.67	6.00	38.0	8.1%
YD-3	3.50	419.41	415.91	6.00	40.0	15.6%
YD-4	3.81	428.41	424.60	6.00	24.0	2.0%
YD-5	4.10	429.67	425.57	6.00	5.0	19.4%
YD-6	3.50	440.00	436.50	6.00	45.0	7.4%
YD-7	3.50	436.65	433.15	6.00	34.0	9.3%
YD-8	3.50	433.48	429.98	6.00	23.0	10.9%
YD-9	3.50	439.93	433.43	6.00	26.0	13.3%
YD-10	3.50	439.64	436.14	6.00	20.0	13.7%
YD-11	3.50	449.40	445.90	6.00	111.0	8.8%
YD-12	3.50	450.93	447.43	6.00	40.0	3.8%
YD-13	3.50	451.89	448.39	6.00	40.0	3.4%
YD-14	3.50	450.53	447.03	6.00	42.0	4.6%
YD-15	5.05	450.16	445.11	6.00	7.0	10.9%
YD-16	3.50	457.76	454.26	6.00	40.0	15.3%
YD-17	3.50	451.63	448.13	6.00	26.0	14.5%
YD-18	3.50	448.52	445.02	6.00	40.0	4.5%
YD-19	2.73	445.96	443.23	6.00	21.0	2.0%
YD-20	3.50	441.91	438.41	6.00	40.0	13.2%
YD-21	3.50	436.65	433.15	6.00	40.0	14.0%
YD-22	3.50	431.05	427.55	6.00	39.0	7.0%
YD-23	3.50	428.32	424.82	6.00	19.0	9.3%
YD-24	4.00	425.19	421.19	6.00	5.0	18.8%
YD-25	3.50	423.75	420.25	6.00	53.0	16.9%
YD-26	3.12	417.42	414.30	6.00	40.0	2.0%
YD-27	2.63	416.13	413.50	6.00	40.0	2.0%
YD-28	2.85	415.55	412.70	6.00	5.0	21.0%
YD-29	3.41	415.06	411.65	6.00	15.0	8.6%
YD-30	2.73	415.00	412.27	6.00	31.0	2.0%
YD-31	4.29	426.00	421.71	6.00	19.0	2.0%
YD-32	3.50	426.32	422.82	6.00	35.0	3.2%
YD-33	8.25	423.01	414.76	6.00	19.0	41.3%
YD-34	13.80	420.72	406.92	6.00	20.0	19.4%
YD-35	6.08	417.77	411.69	6.00	26.0	18.3%
YD-36	2.71	415.20	412.49	6.00	40.0	2.0%
YD-37	3.50	411.25	407.75	6.00	21.0	13.7%
YD-38	7.75	428.50	420.75	6.00	26.0	19.3%
YD-39	10.86	433.00	422.14	6.00	7.0	19.9%
YD-40	6.25	436.00	429.75	6.00	39.0	19.5%
YD-41	3.50	438.00	434.50	6.00	39.0	12.2%
YD-42	3.50	439.57	436.07	6.00	40.0	3.9%
YD-43	3.15	440.37	437.22	6.00	36.0	2.0%

Drawing: P:\Civil\2022\22-177 Brodie Plat\Drawings\Construction\C22177C-RD-RP.dwg Plotted: Nov 15, 2022 - 12:44pm

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NO. DATE

REVISIONS DESCRIPTION

BY

LAND PRO GROUP, INC.

BRODIE PLAT

ROAD AND STORM DRAINAGE PROFILES

Job Number: C22-177

Drawing Name: C22177C-RD-RP

Designer: TPA

Drafting By: DPN

Date: 11-15-22

Scale: 1"=40'

Jurisdiction: MARYSVILLE

REVISIONS DESCRIPTION

WOODVILLE OLYMPIA

20210 142nd Avenue NE

Woodville, WA 98072

www.LDCcorp.com

T 425.806.1869

F 425.482.2893

Professional Engineer

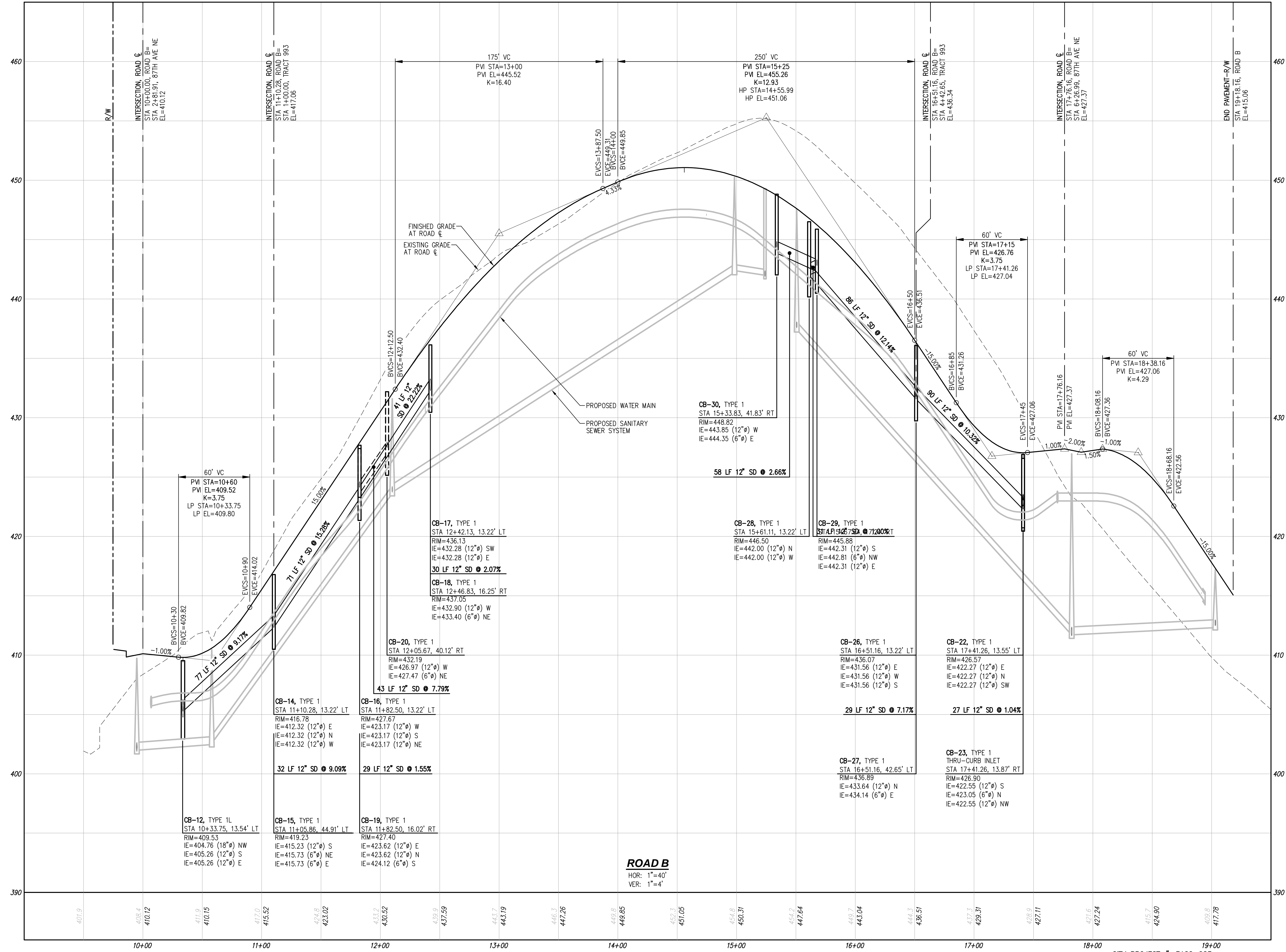
THOMAS P. ALBERT

56821

RD-03

SHEET 17 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



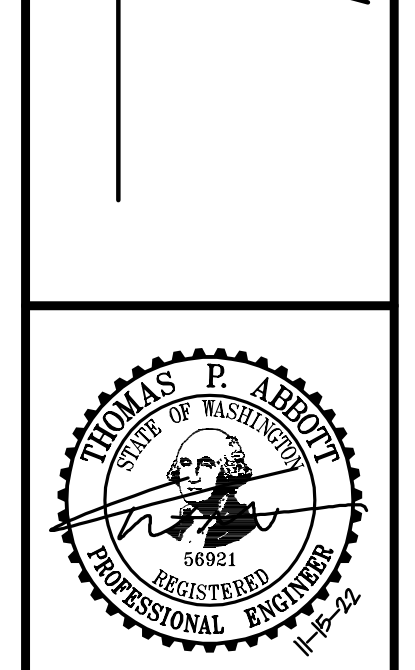
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Kent  
Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
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Olympia

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
ROAD AND STORM DRAINAGE PROFILES



JOB NUMBER: C22-177  
DRAWING NAME: C22177C-RD-PR  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**RD-04**  
SHEET 18 OF 39

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

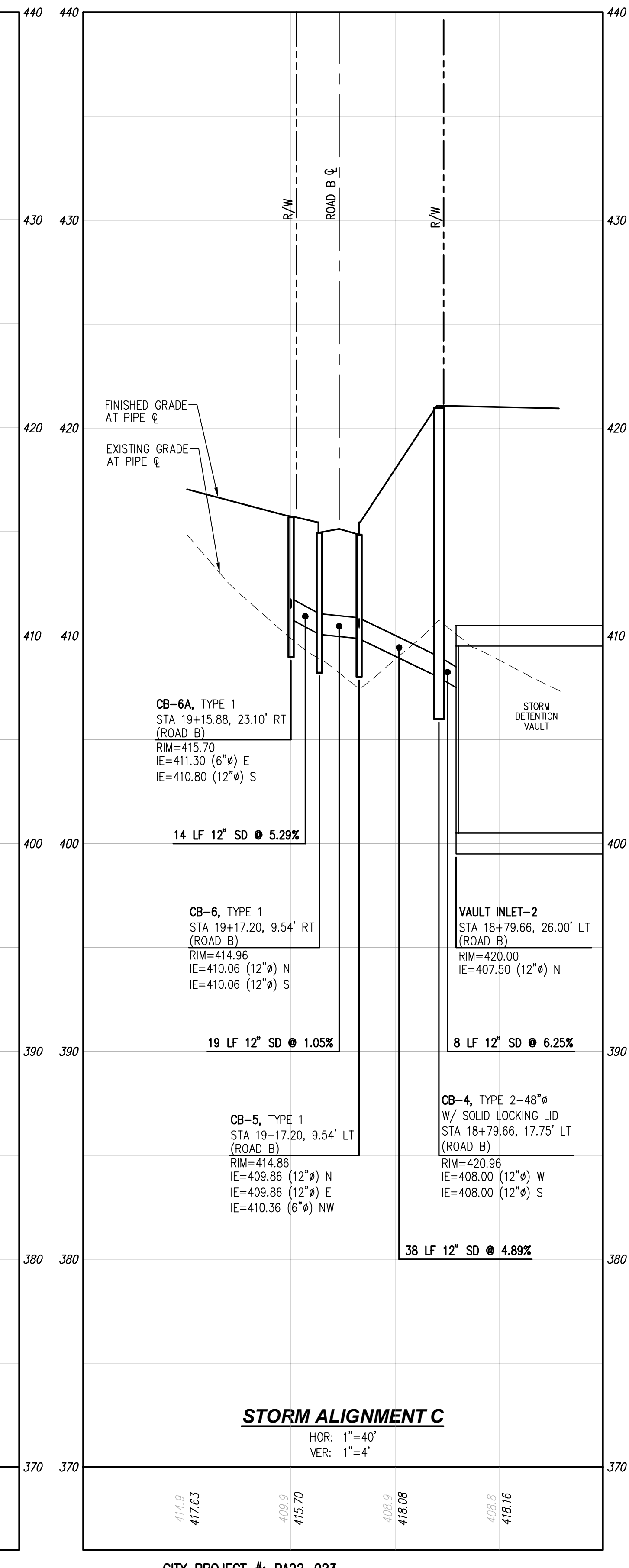
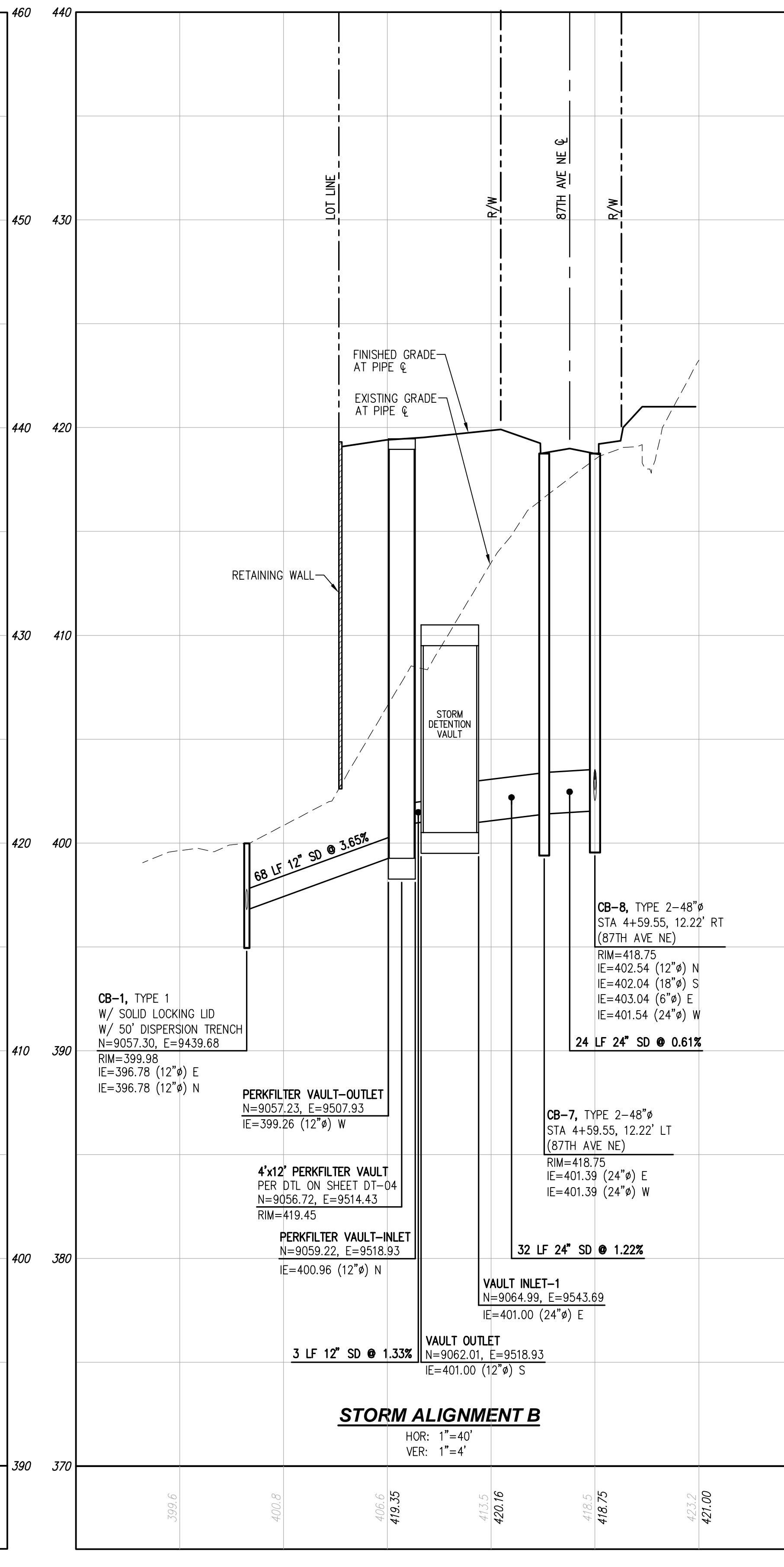
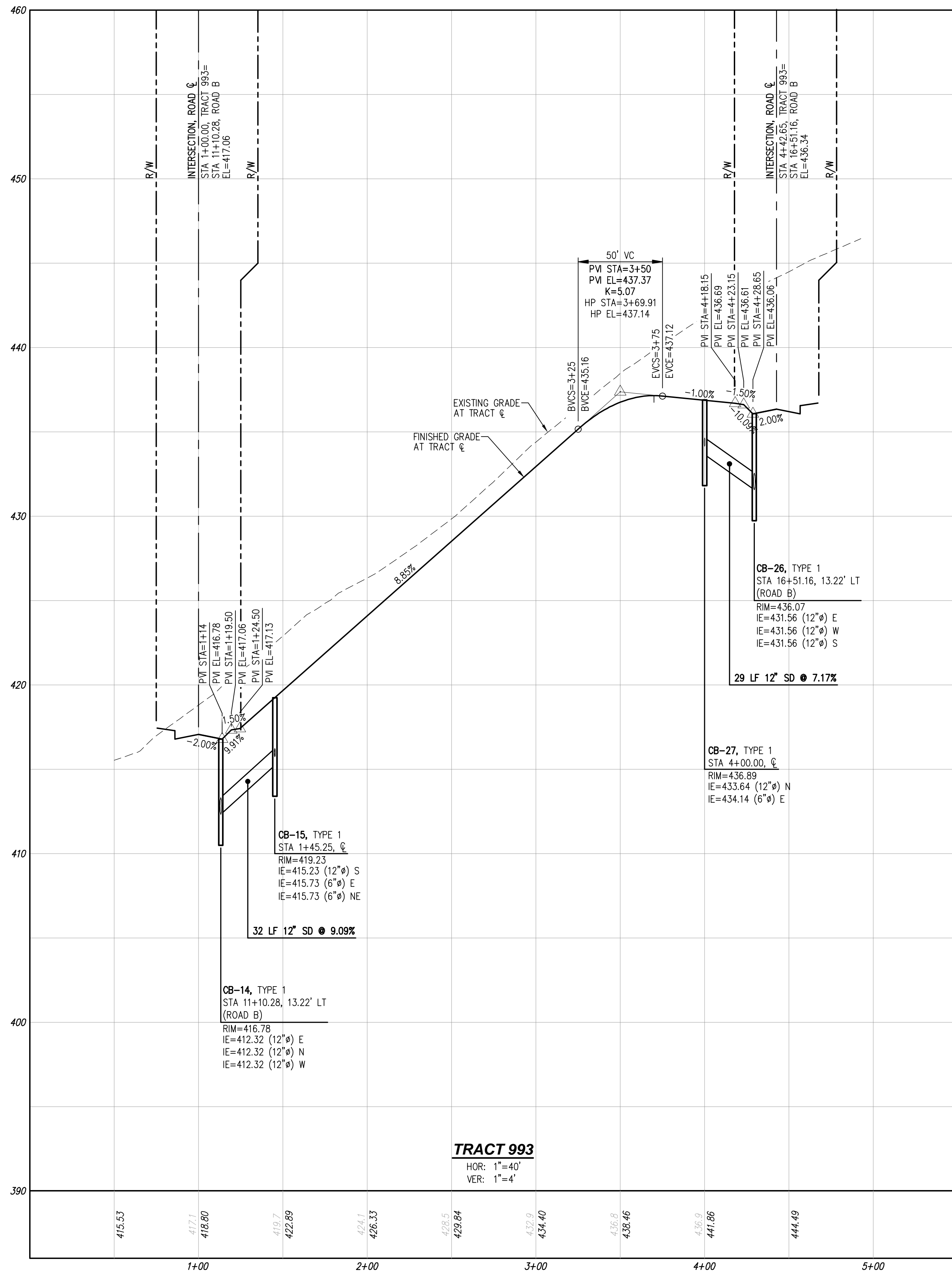
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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177C-RD-PR.dwg Plotted: Nov 15, 2022 - 12:44pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



CITY PROJECT #: PA22-023

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

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BY: \_\_\_\_\_  
KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

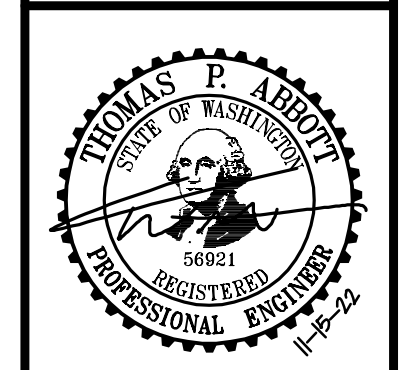
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NO.	DATE	DESCRIPTION

**LDC** | Surveying Engineering Planning  
Kent  
Woodinville  
20210 142nd Avenue NE  
Woodinville, WA 98072  
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T 425.806.1869 F 425.482.2893

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
ROAD AND STORM DRAINAGE PROFILES

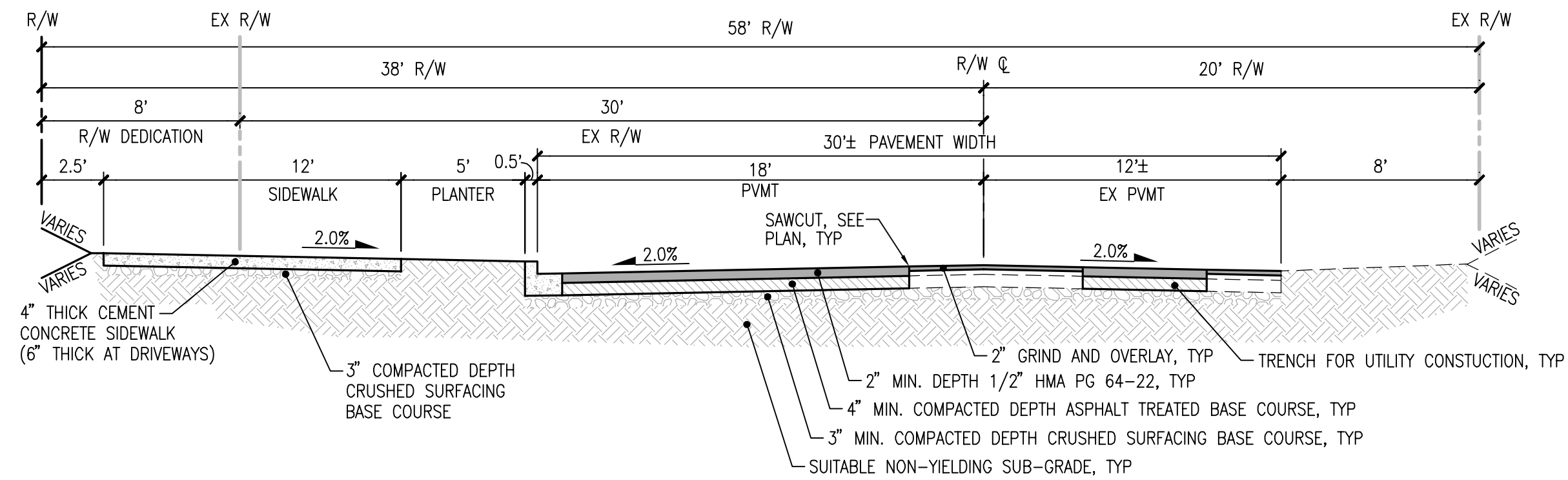


JOB NUMBER: C22-177  
DRAWING NAME: C22177C-RD-PR  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**RD-05**  
SHEET 19 OF 39

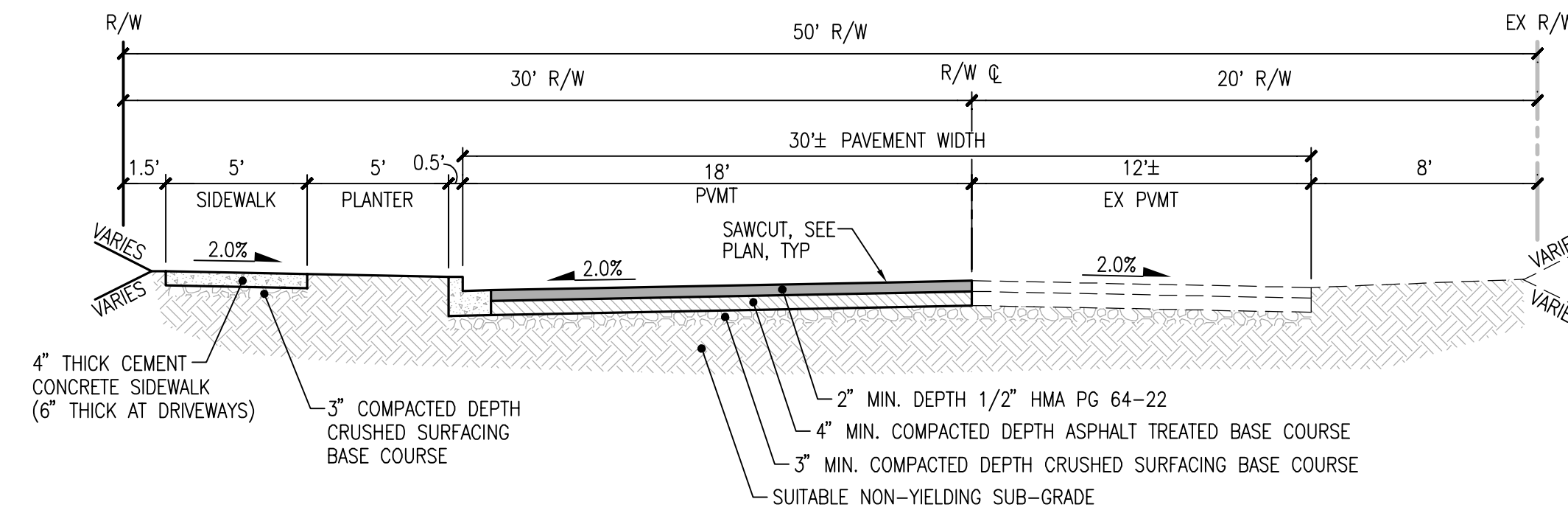
Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177C-RD-PR.dwg Plotted: Nov 15, 2022 - 12:44pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



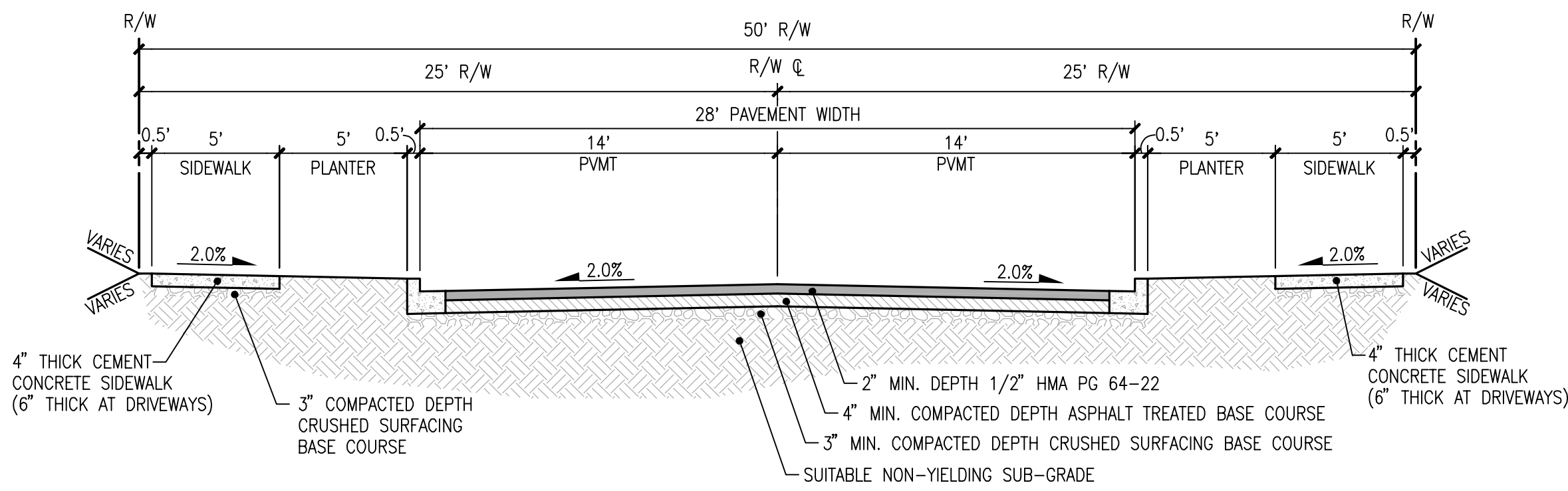
60TH ST NE STA 21+52.02 TO STA 24+54

SCALE: 1"=5'



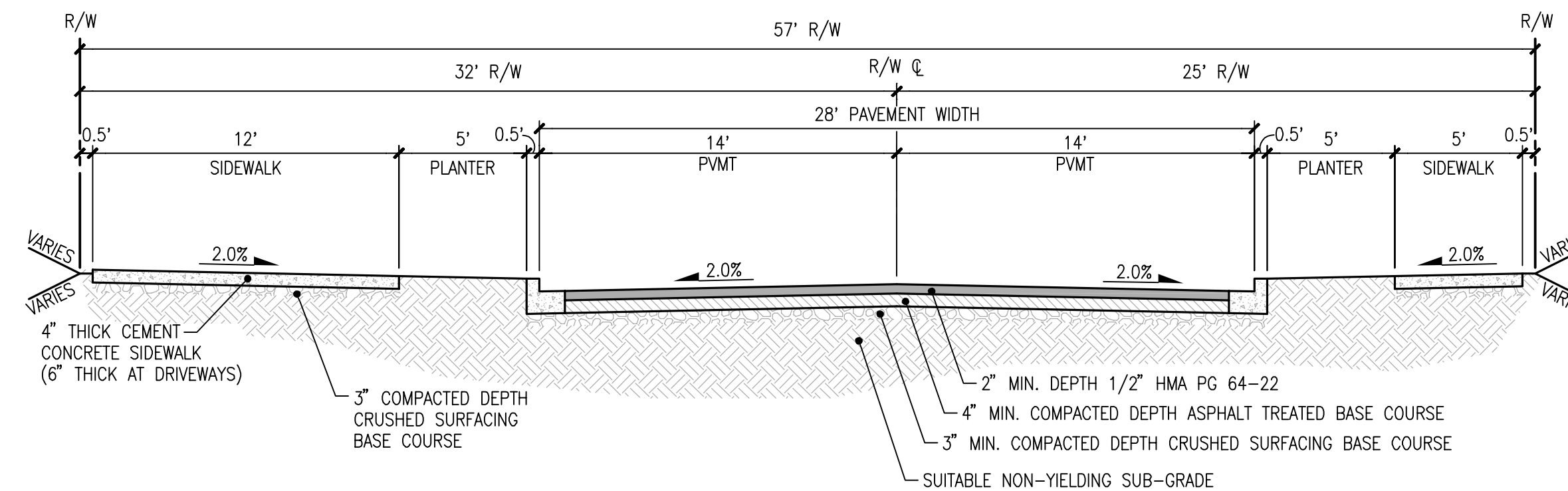
60TH ST NE STA 25+39 TO STA 26+52.21

SCALE: 1"=5'



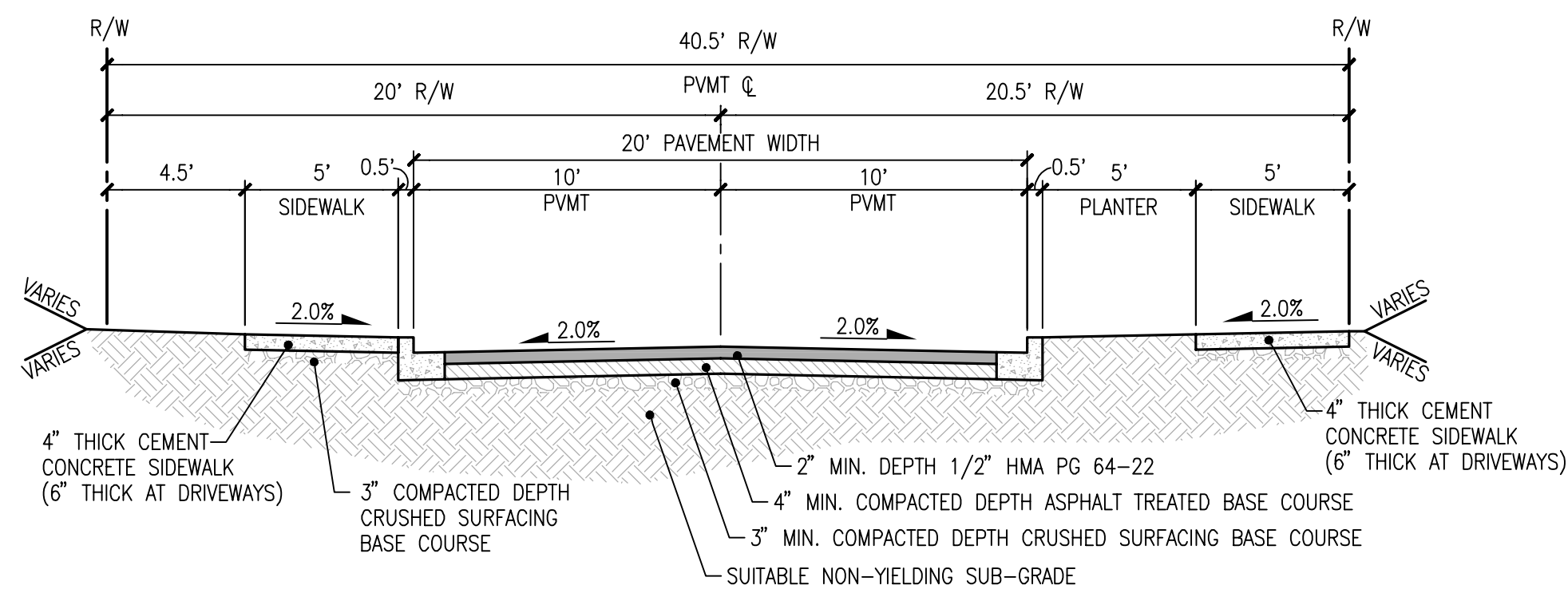
PROPOSED INTERNAL 50' ROW PRD ROAD SECTION (PARKING LOCATION VARIES)

SCALE: 1"=5'



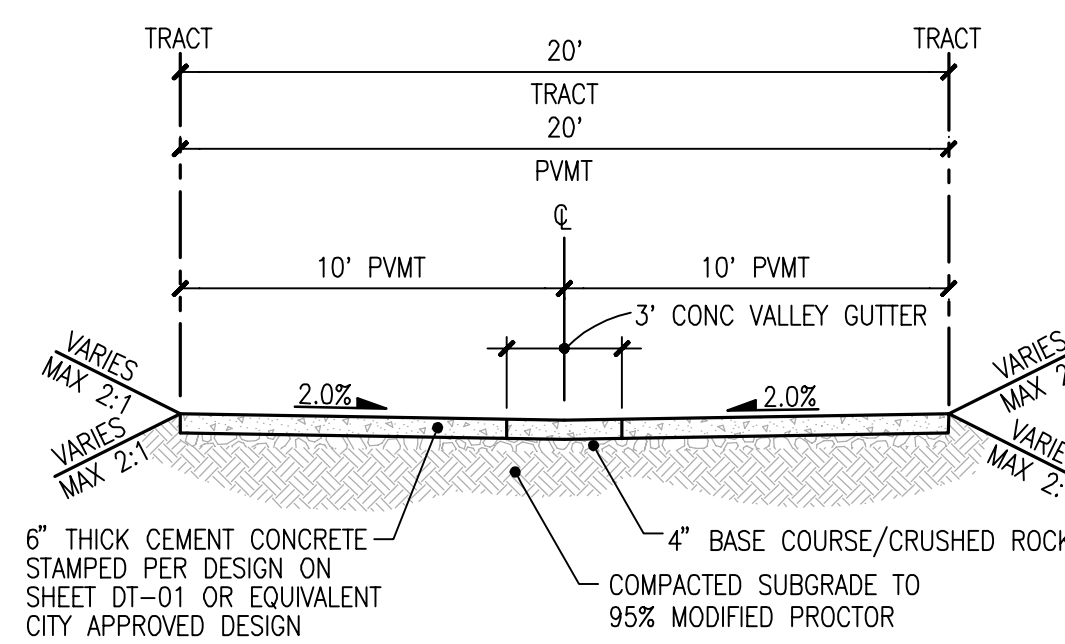
PROPOSED 87TH AVE NE ROAD SECTION

SCALE: 1"=5'



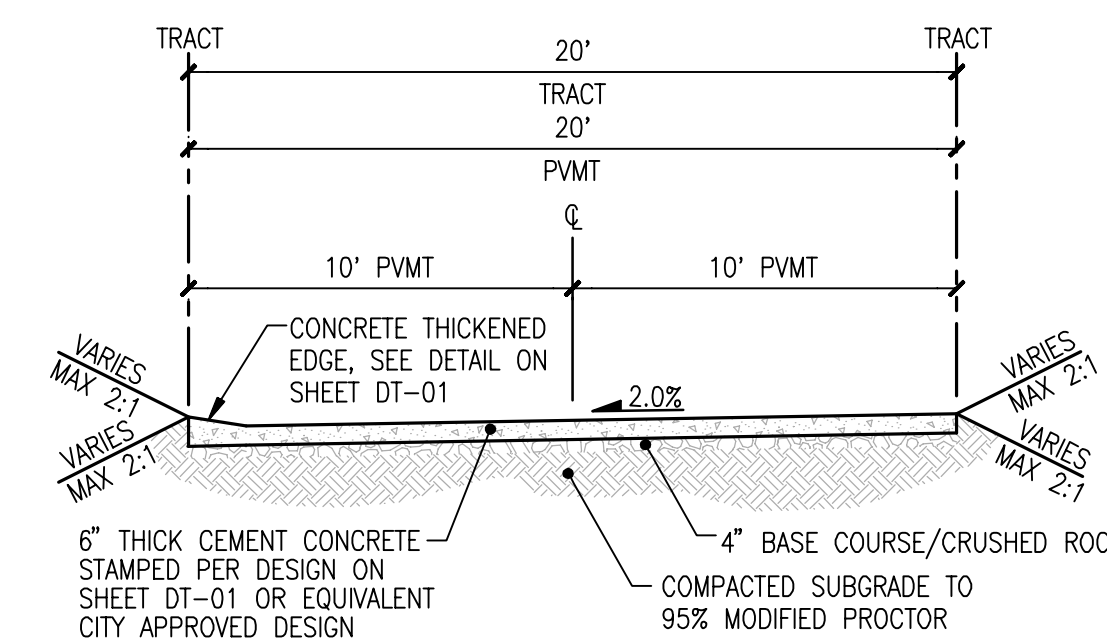
PROPOSED INTERNAL 40.5' ROW PRD ROAD SECTION (PARKING LOCATION VARIES)

SCALE: 1"=5'



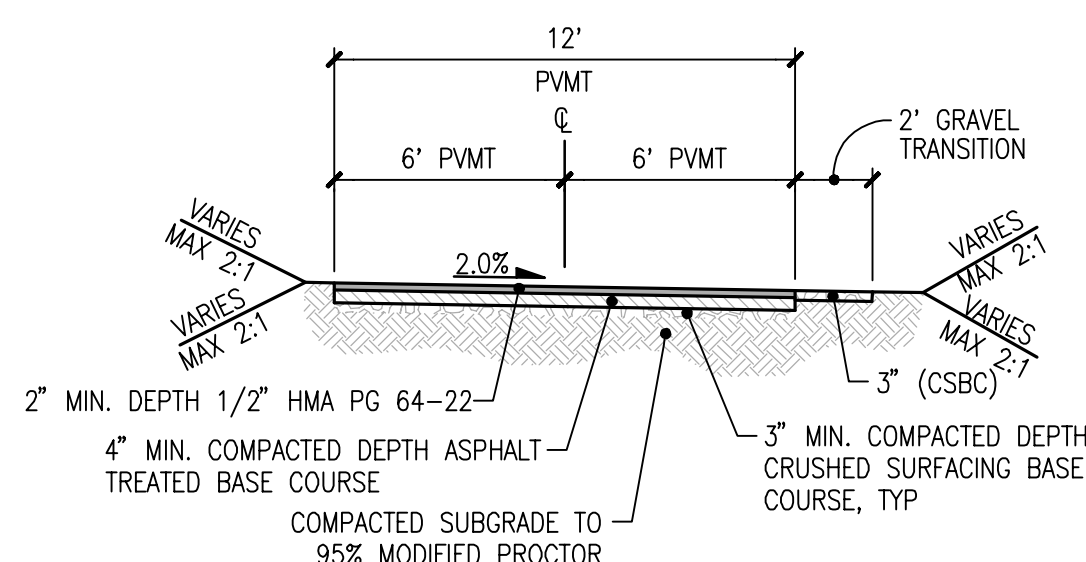
TRACTS 992 AND 993

SCALE: 1"=5'



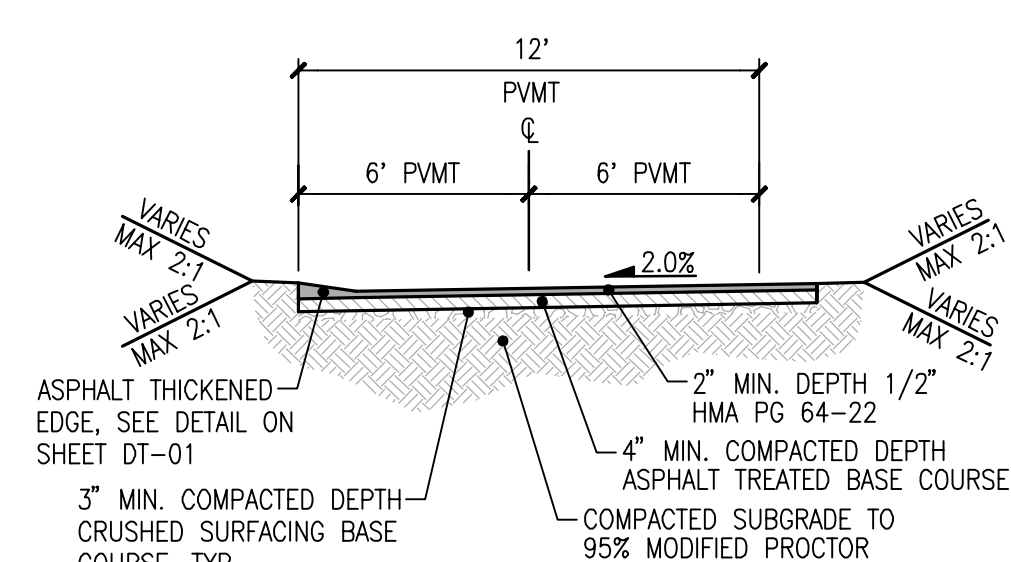
TRACTS 994 AND 997

SCALE: 1"=5'



TRACT 996 - CELL TOWER ACCESS

SCALE: 1"=5'



VAULT ACCESS - TRACT 998

SCALE: 1"=5'

UTILITY NOTE

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DISCLAIMER

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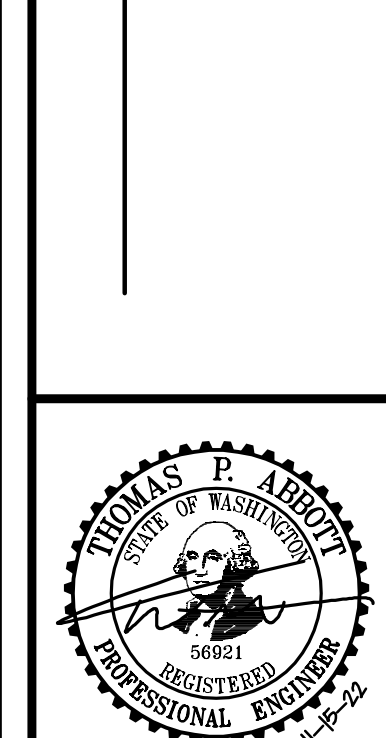
BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

CITY PROJECT #: PA22-023

NO.	DATE	DESCRIPTION

**LDC** | Surveying Engineering Planning  
 Kent Woodinville Olympia  
 20210 142nd Avenue NE Woodinville, WA 98072  
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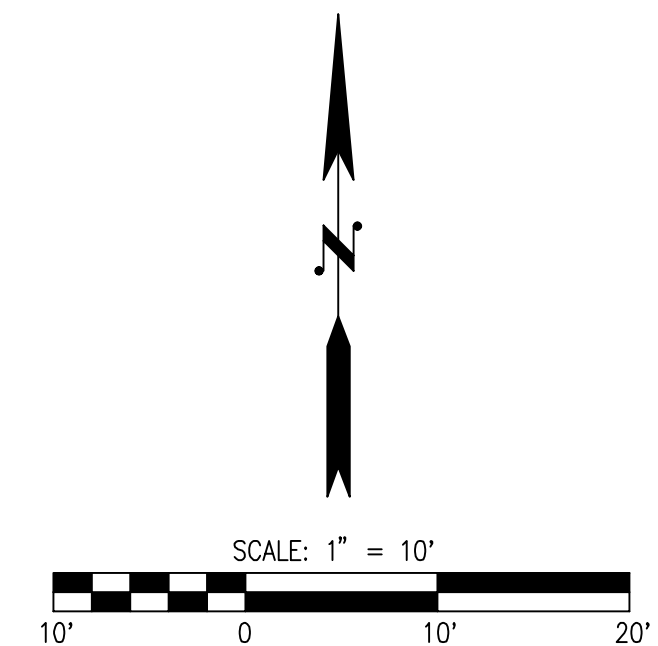
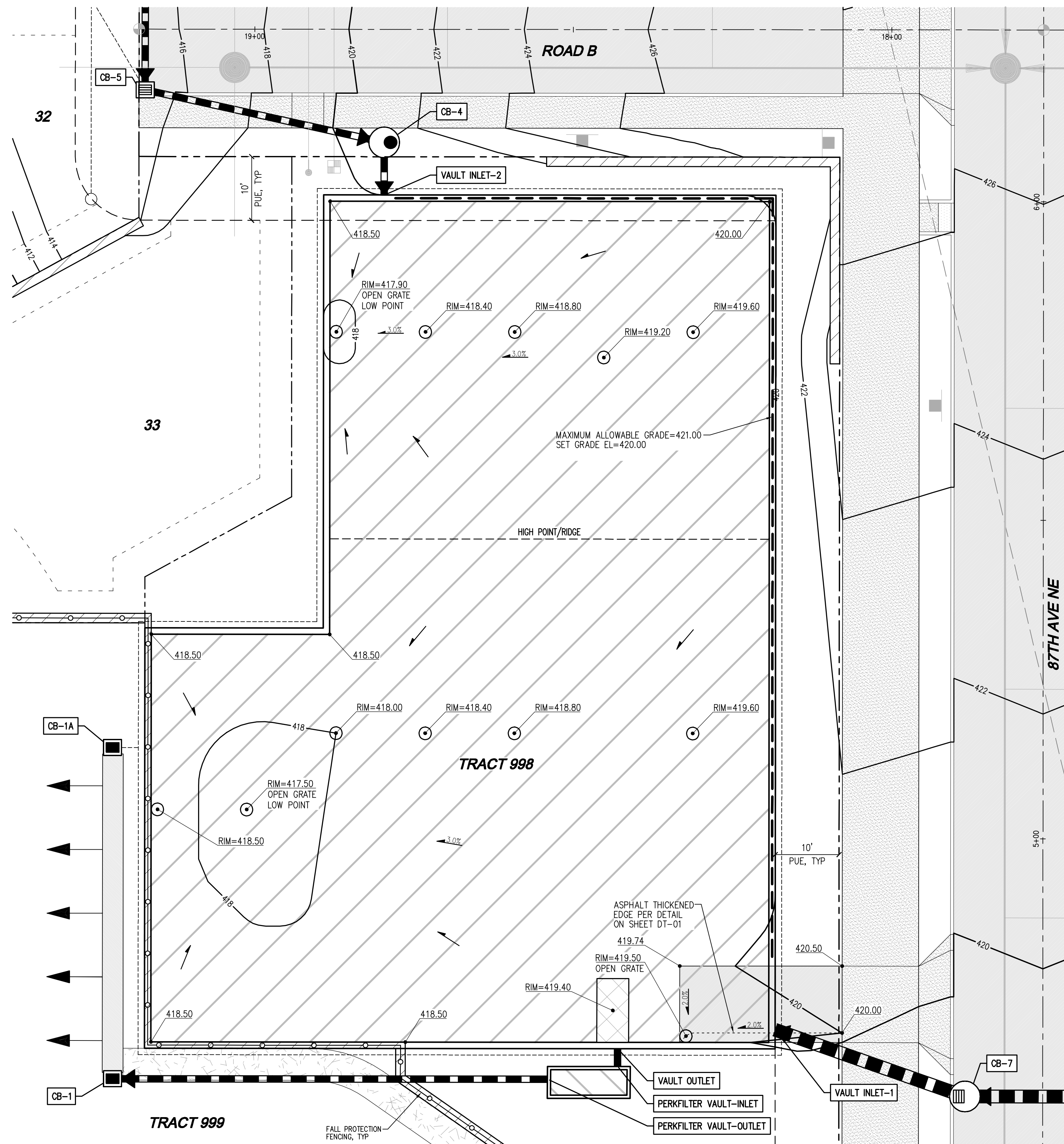
LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 ROAD SECTIONS



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-RD-PR  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=5'  
 JURISDICTION: MARYSVILLE

**RD-06**  
 SHEET 20 OF 39

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177C-RD-PR.dwg Plotted: Nov 15, 2022 - 12:44pm



**LEGEND**

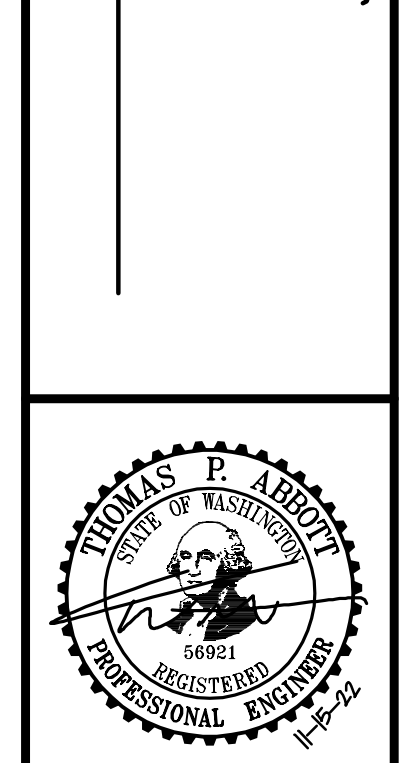
	STORM PIPE
	DRAIN LINE
	SEWER PIPE
	WATER PIPE
	FALL PROTECTION FENCING
	SIGN ("NO PARKING" UNLESS OTHERWISE NOTED)
	FULL DEPTH ASPHALT
	CONCRETE

**NOTE**  
ALL ACCESS RIMS TO BE CLOSED, SOLID LOCKING, UNLESS OTHERWISE NOTED ON THIS SHEET.

NO.	DATE	DESCRIPTION

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 Kent Woodinville Olympia  
 20210 142nd Avenue NE Woodinville, WA 98072  
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LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 STORM DETENTION VAULT PLAN



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-SD-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=10'  
 JURISDICTION: MARYSVILLE

**SD-01**  
 SHEET 21 OF 39

**UTILITY NOTE**  
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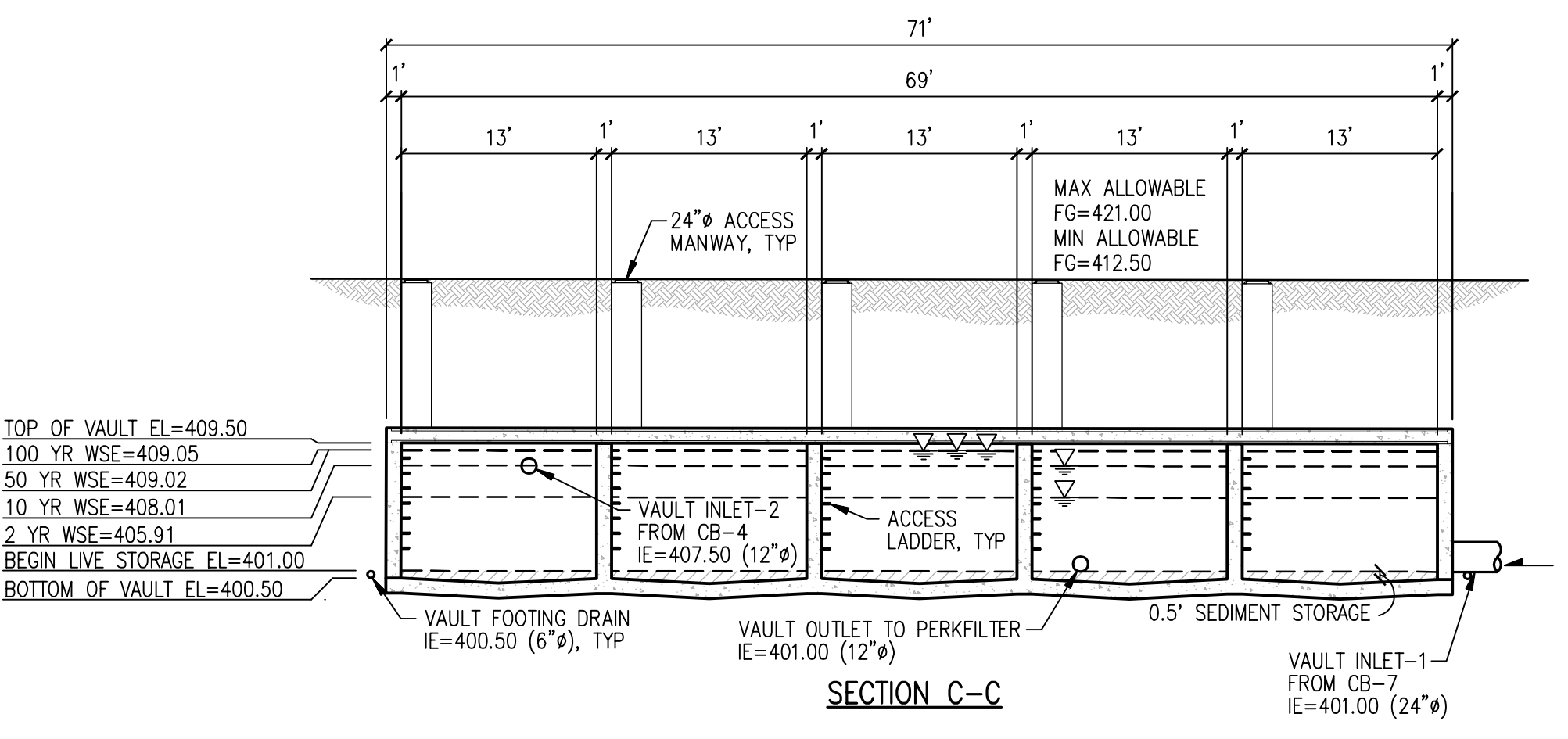
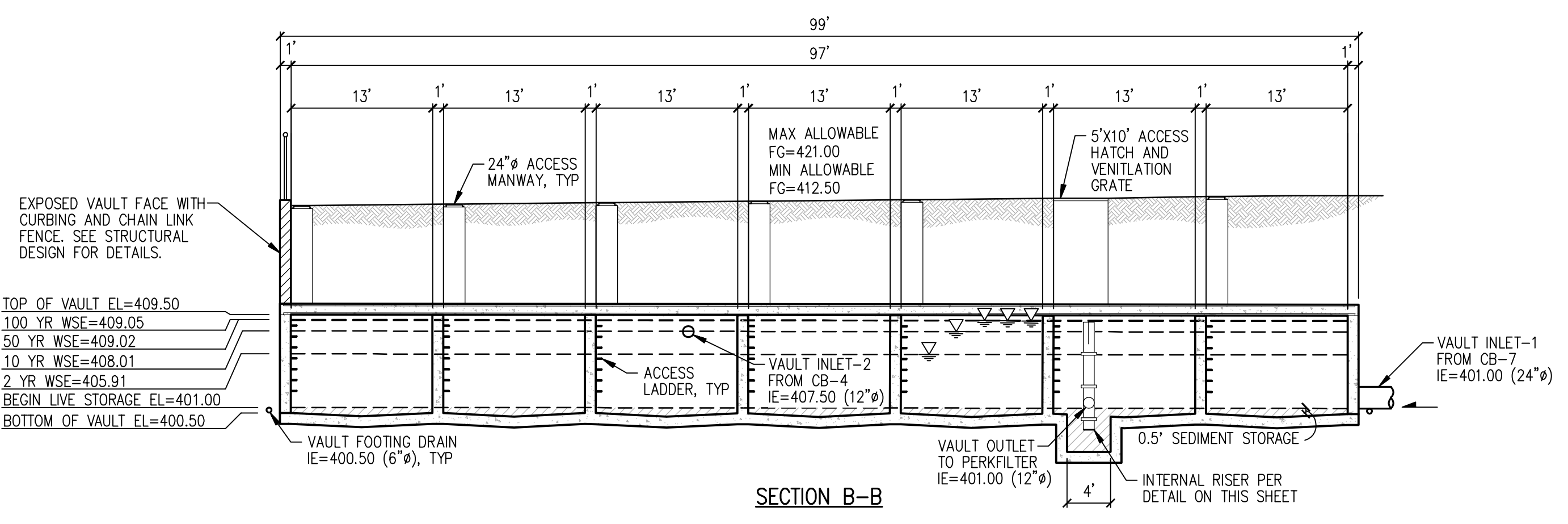
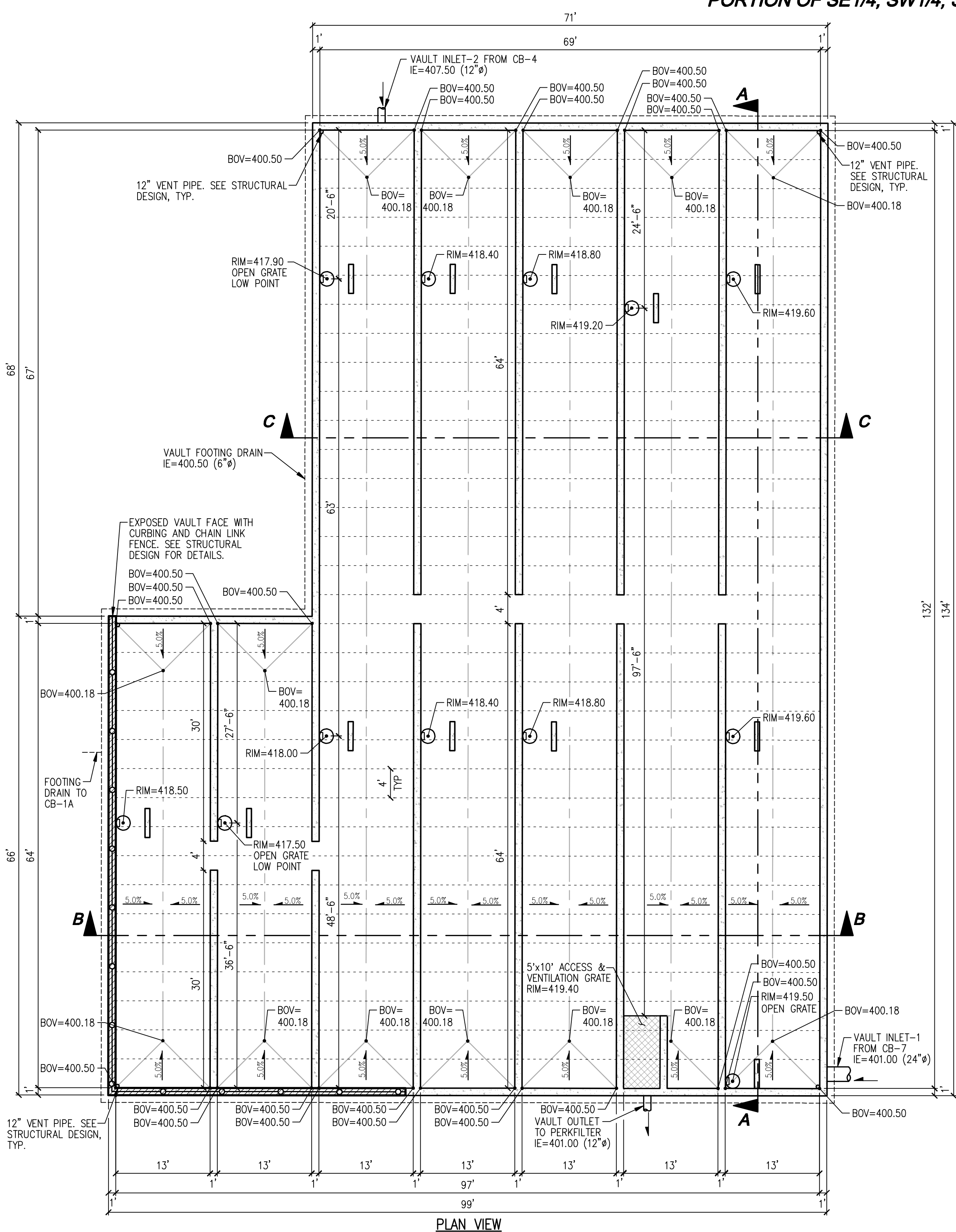
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 THIS DAY OF \_\_\_\_\_  
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 KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER  
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Drawing: P:\Civil\2022\C22-177 Brodie.plt\Drawings\Construction\C22177C-SD-PL.dwg Plotted: Nov 15, 2022 - 12:46pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



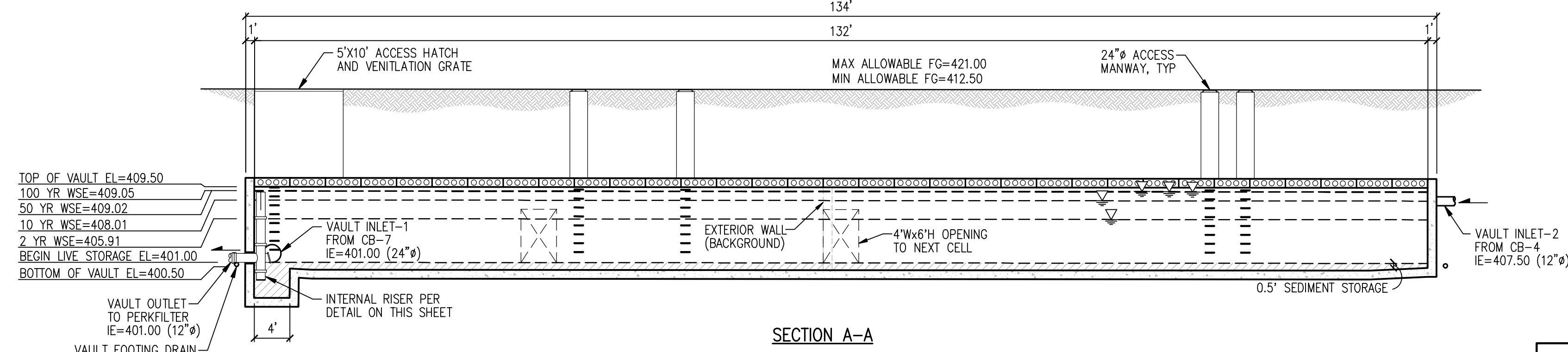
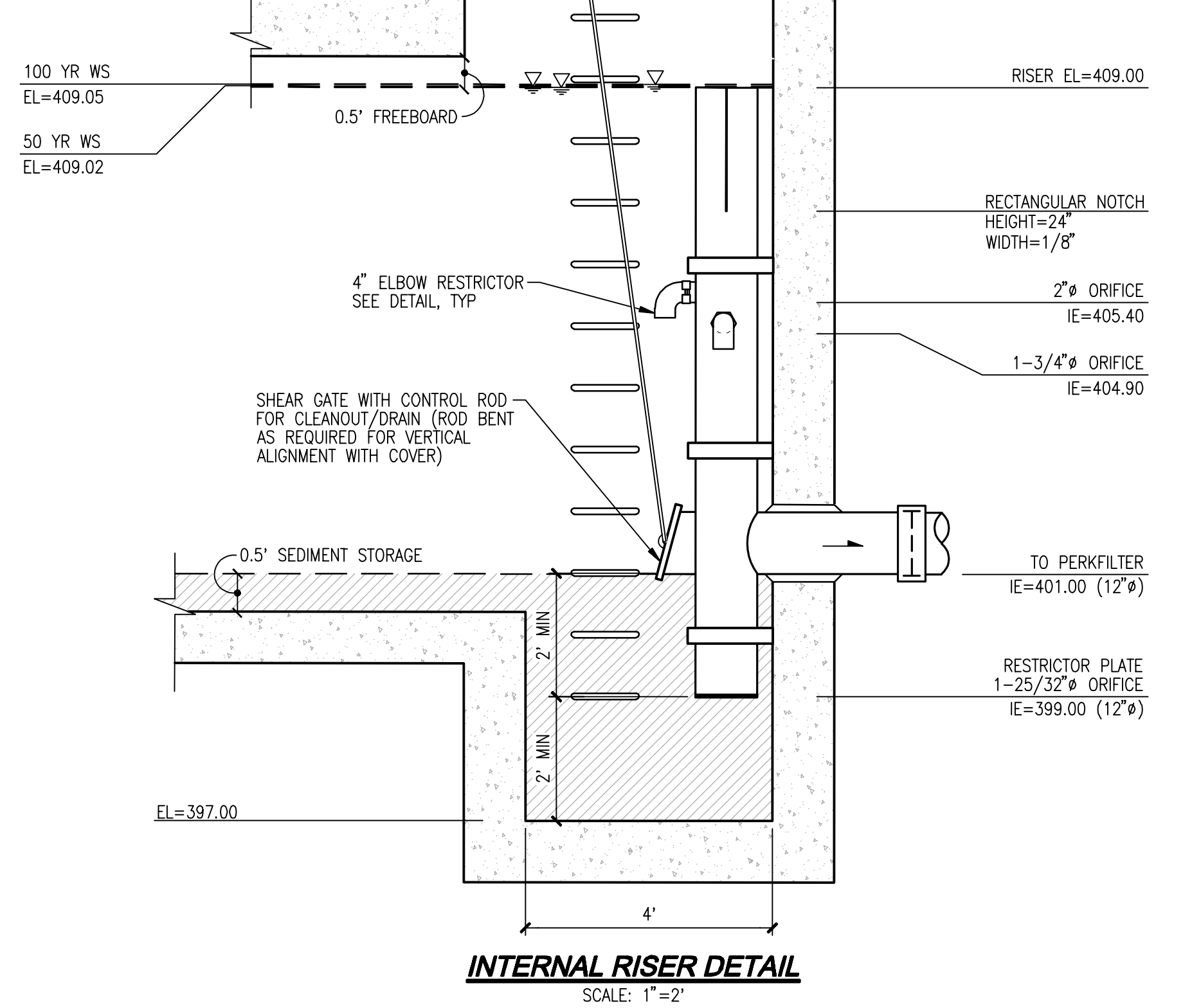
**DETENTION SUMMARY CHART**

STORM EVENT	LIVE STORAGE VOLUME (cf)			RELEASE RATE (CFS)	
	REQUIRED	DESIGNED	AS-BUILT	REQUIRED	AS-BUILT
2 YR	49,797	50,337		0.3515	0.3517
10 YR	71,068	71,819		0.7600	0.5735
50 YR	81,333	82,181		1.3064	0.8240

**NOTE**  
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**CONTROL STRUCTURE NOTES**

- METAL PARTS: CORROSION RESISTANT. NON-GALVANIZED PARTS PREFERRED. GALVANIZED PIPE PARTS TO HAVE ASPHALT TREATMENT 1.
- FRAME AND LADDER OR STEPS OFFSET SO:  
A. CLEANOUT GATE IS VISIBLE FROM TOP.  
B. CLIMB-DOWN SPACE IS CLEAR OF RISER AND CLEANOUT GATE.  
C. FRAME IS CLEAR OF CURB.
- IF METAL OUTLET PIPE CONNECTS TO CEMENT CONCRETE PIPE: OUTLET PIPE TO HAVE SMOOTH O.D. EQUAL TO CONCRETE PIPE I.D. LESS 1/4".
- PROVIDE AT LEAST ONE 3"x0.90 GAGE SUPPORT BRACKET ANCHORED TO CONCRETE WALL (MAXIMUM 3'-0" VERTICAL SPACING).



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**REVISIONS**

NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
**STORM DETENTION VAULT DETAILS**

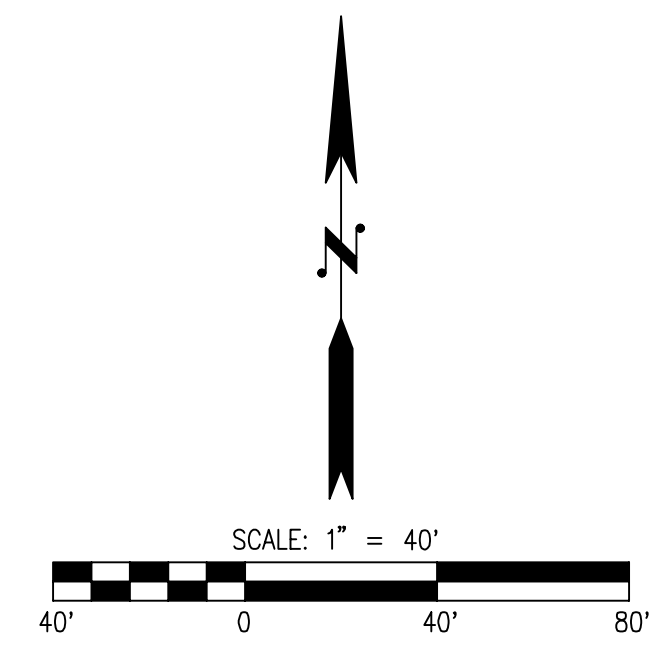
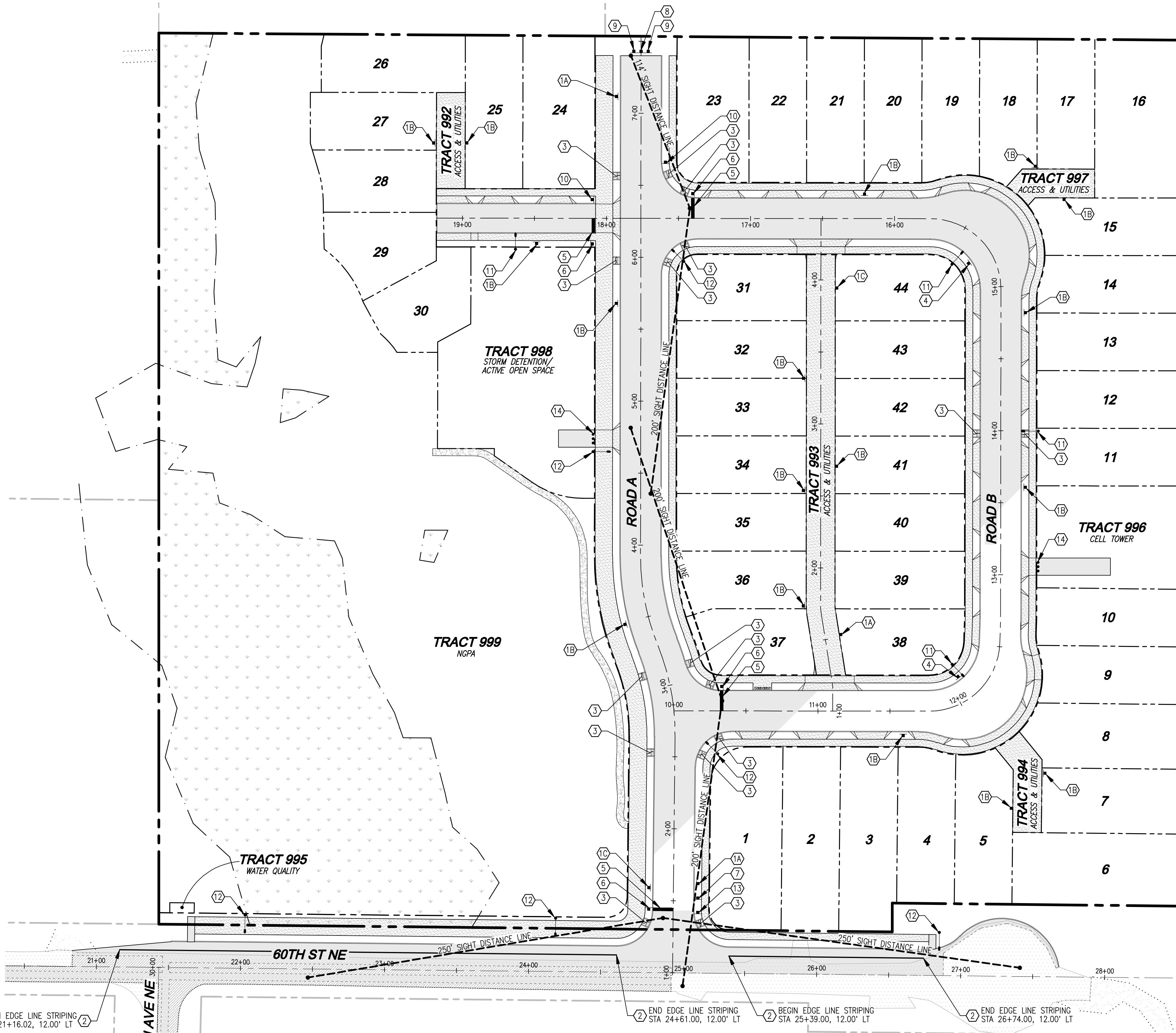
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20210 142nd Avenue NE | Woodinville, WA 98072 | www.LDCcorp.com  
T 425.806.1869 | F 425.482.2893

**THOMAS P. ABBOTT**  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WASHINGTON  
69921

JOB NUMBER: C22-177  
DRAWING NAME: C22177C-SD-01-01  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=10'  
JURISDICTION: MARYSVILLE

**SD-02**  
SHEET 22 OF 39

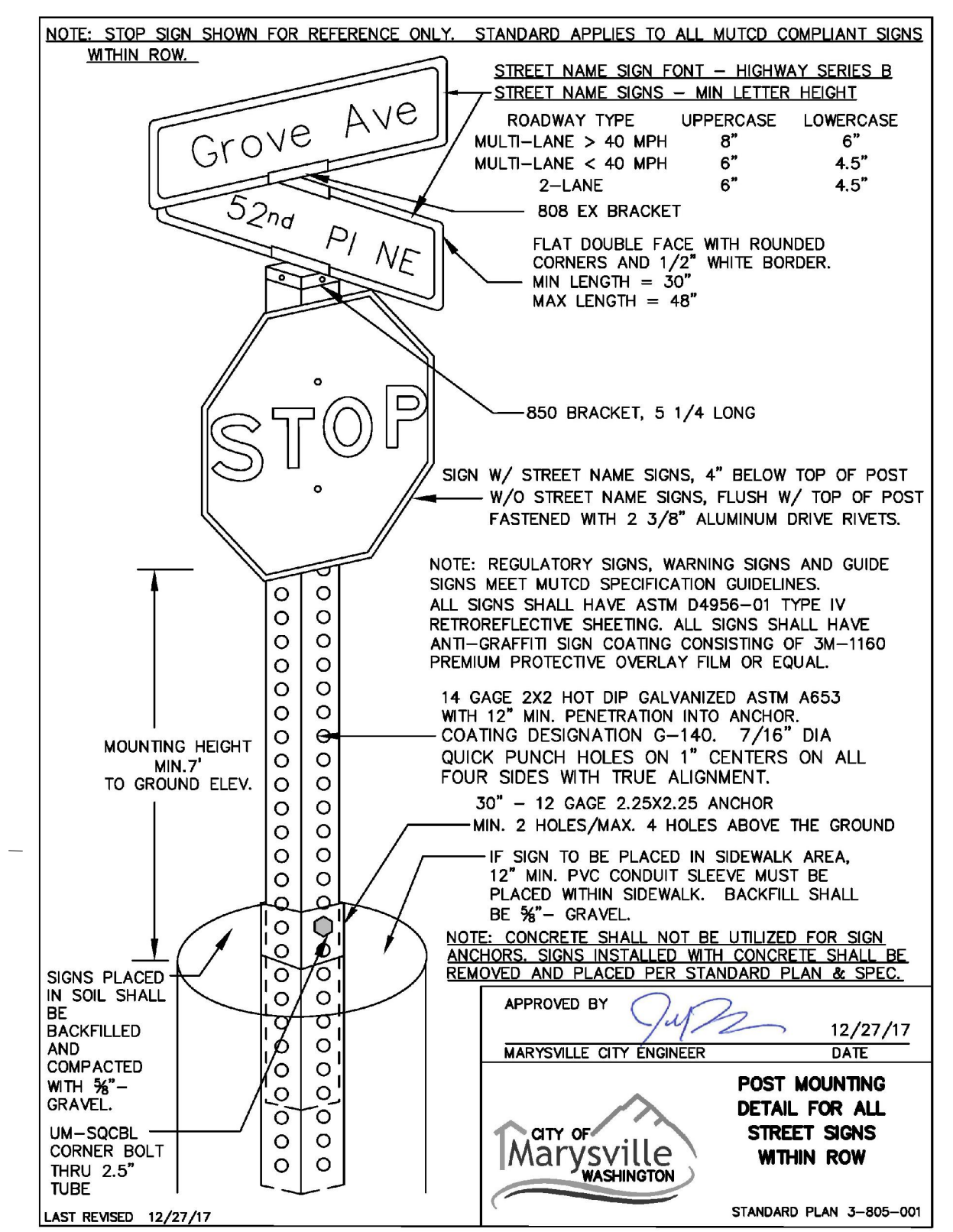
PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



- LEGEND**
- STREET LIGHT
  - SIGN ("NO PARKING" UNLESS OTHERWISE NOTED)
  - FULL DEPTH ASPHALT
  - 2" GRIND AND OVERLAY
  - SIGHT DISTANCE LINE

- STREET LIGHT NOTES**
- 200 WATT LED STREET LIGHTS WITH FIBERGLASS POLES TO BE INSTALLED BY PUD ALONG 67TH AVE NE AND 44TH ST NE.
  - 100 WATT LED STREET LIGHTS WITH FIBERGLASS POLES TO BE INSTALLED BY PUD ALONG DRIVE A.

- KEY NOTES**
- "NO PARKING" SIGN PER DETAIL, THIS SHEET
  - "NO PARKING" SIGN PER DETAIL, THIS SHEET
  - "NO PARKING" SIGN PER DETAIL, THIS SHEET
  - 4" WHITE LINE PER WSDOT
  - CURB RAMP PER WSDOT TYP
  - STREET NAME SIGN PER STD 3-805-001
  - STOP BAR PER WSDOT STD M-24.60-24
  - STOP SIGN W/STREET NAME SIGN PER STD 3-805-001
  - 25 MPH SPEED LIMIT SIGN PER MUTCD (R2-1)
  - FUTURE ROAD CONNECTION
  - TYPE IV OBJECT MARKERS
  - DEAD END SIGN
  - STREET LIGHT FIBERGLASS POLE PER PUD
  - STREET LIGHT LUMEC RENAISSANCE PER PUD
  - "NO OUTLET" SIGN
  - REMOVABLE BOLLARDS PER STD 3-509-001



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**REVISIONS**

NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
CHANNLIZATION PLAN

**LDC**  
Surveying  
Engineering  
Planning  
Olympia  
Woodinville  
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Woodinville, WA 98072  
www.LDCcorp.com  
T 425.806.1869 F 425.482.2893

**THOMAS P. BRODIE**  
PROFESSIONAL ENGINEER  
1982

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DRAWING NAME: C22177-CH-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**CH-01**  
SHEET 23 OF 39

GENERAL NOTES

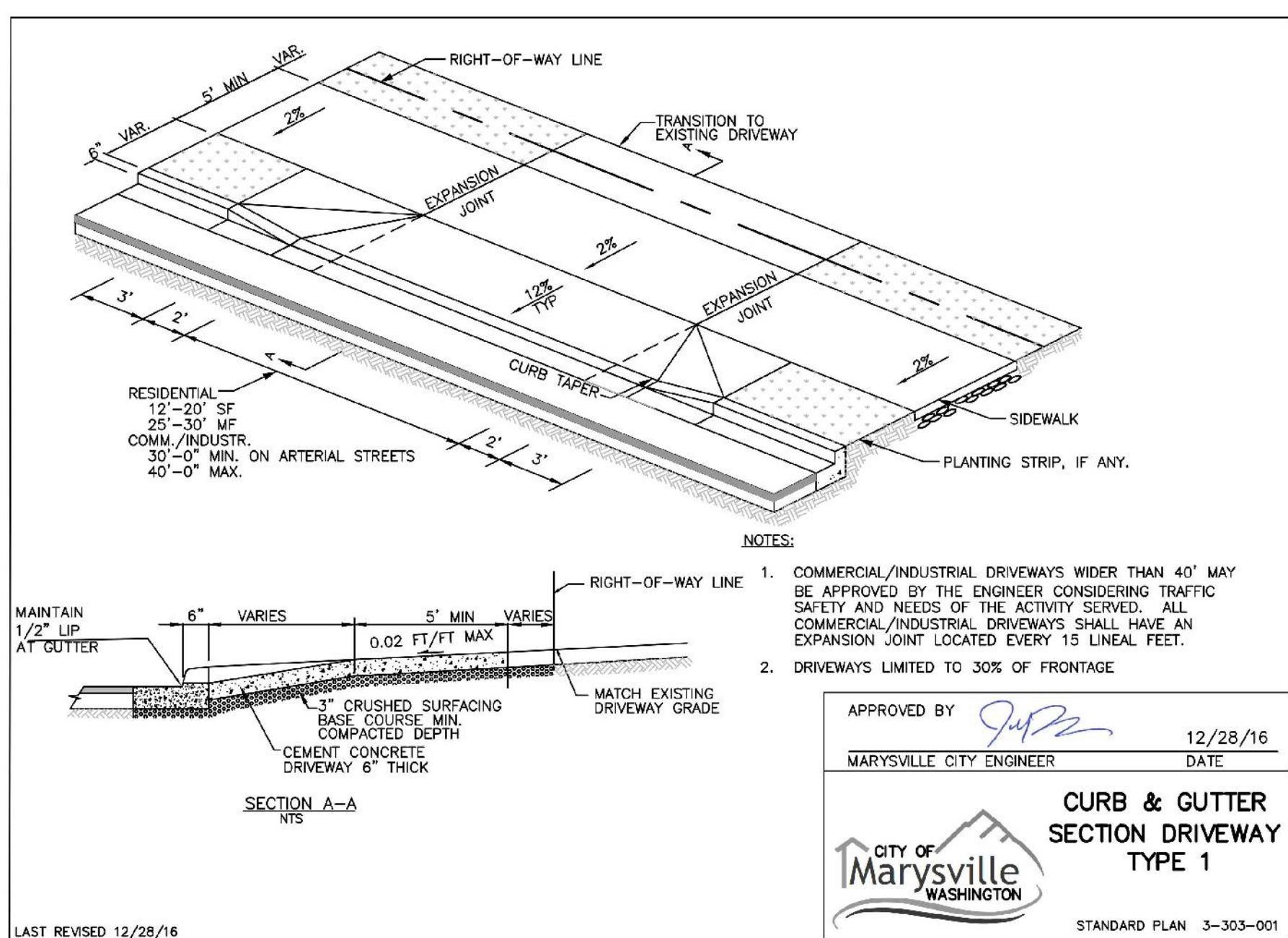
- 1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF MARYSVILLE. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT DEVELOPMENT SERVICES AT (360-363-8100) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED PLANS AT THE MEETING.

STORM DRAINAGE NOTES

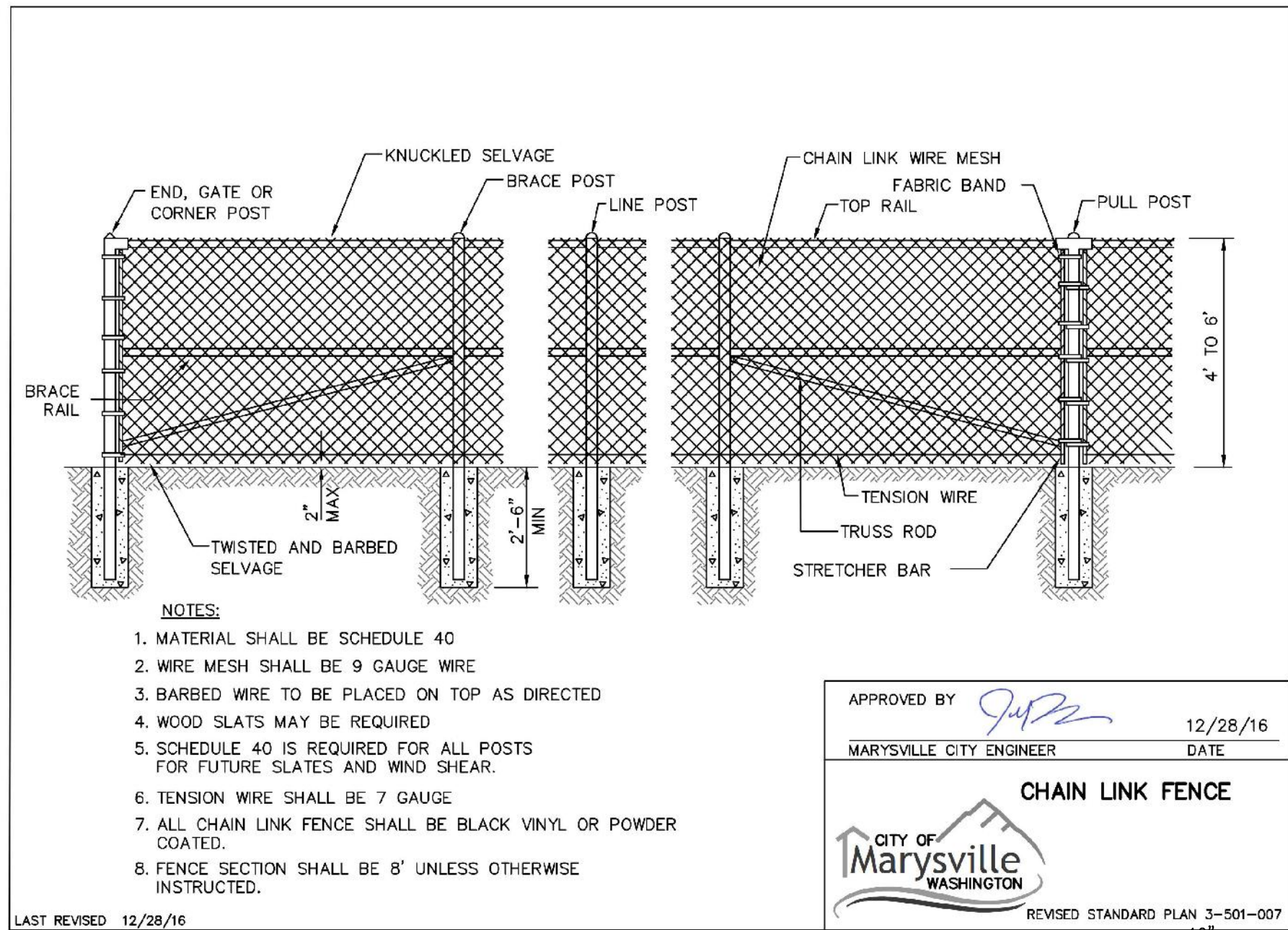
- 1. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.

ROADWAY NOTES

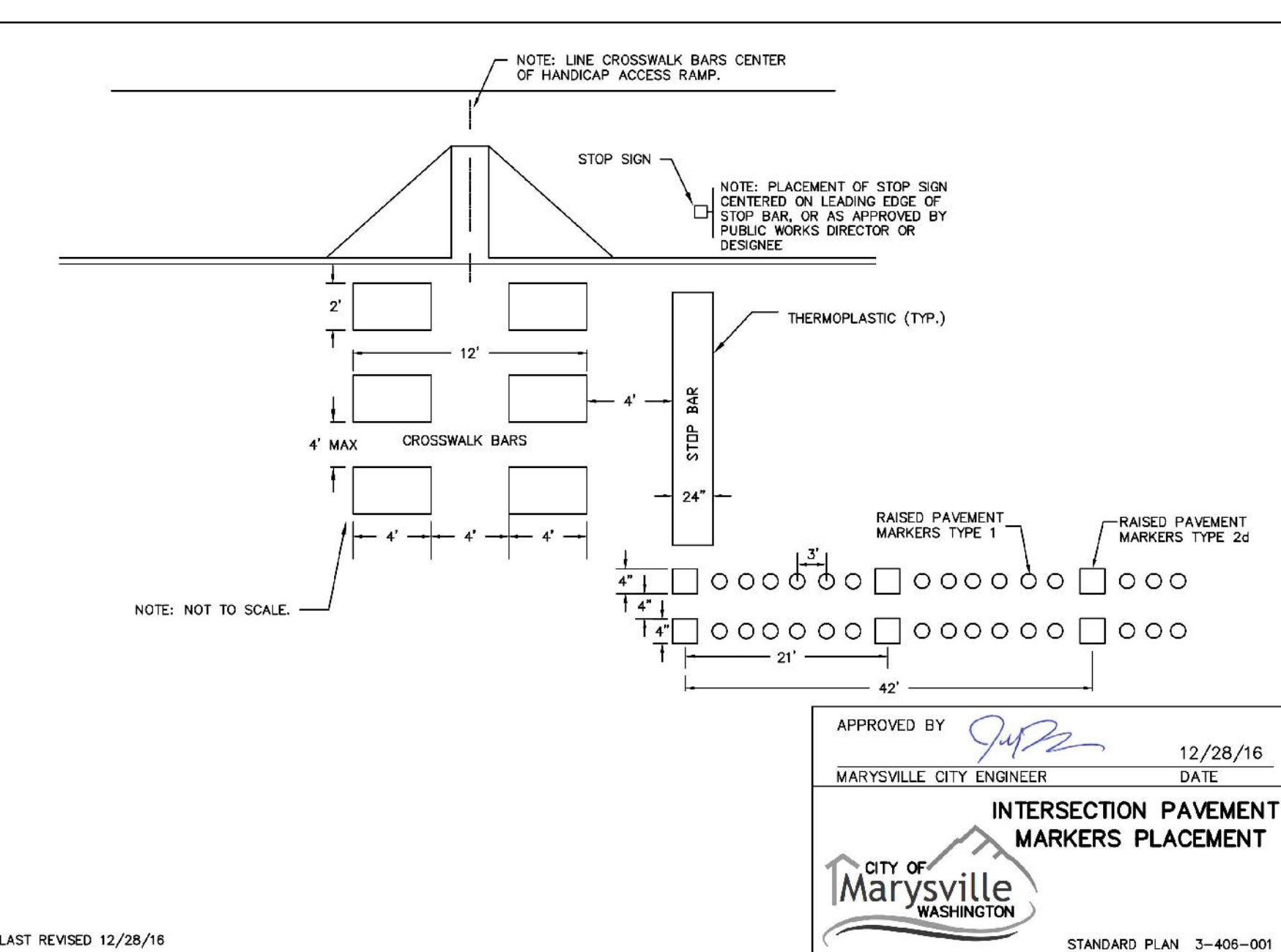
- 1. MONUMENTS SHALL BE INSTALLED AT ALL STREET INTERSECTIONS, AT ANGLE POINTS, AND POINTS OF CURVATURE IN EACH STREET. ALL BOUNDARY MONUMENTS MUST BE INSTALLED ACCORDING TO THE WASHINGTON STATE SUBDIVISION LAWS.



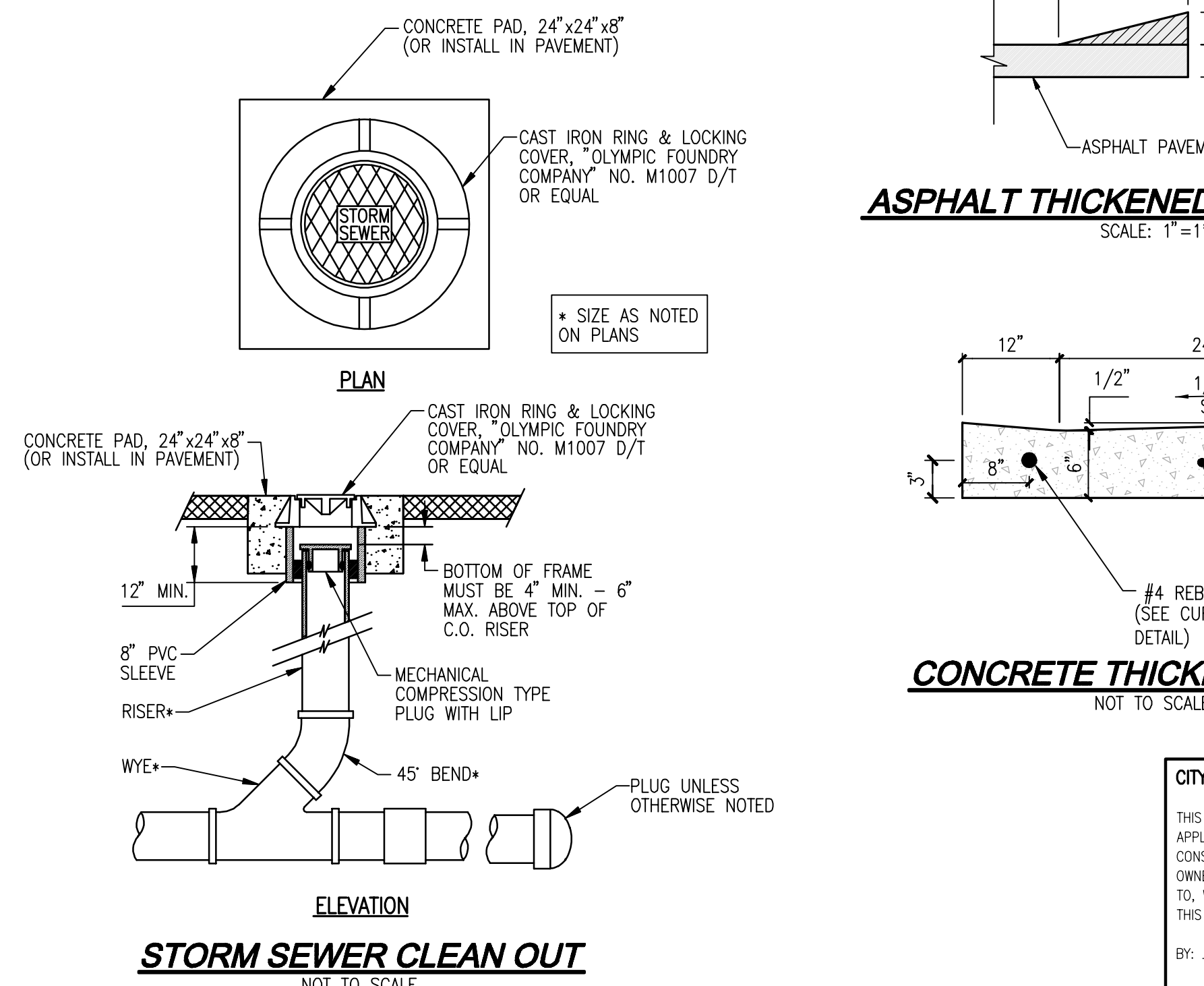
APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON CURB & GUTTER SECTION DRIVEWAY TYPE 1 STANDARD PLAN 3-303-001



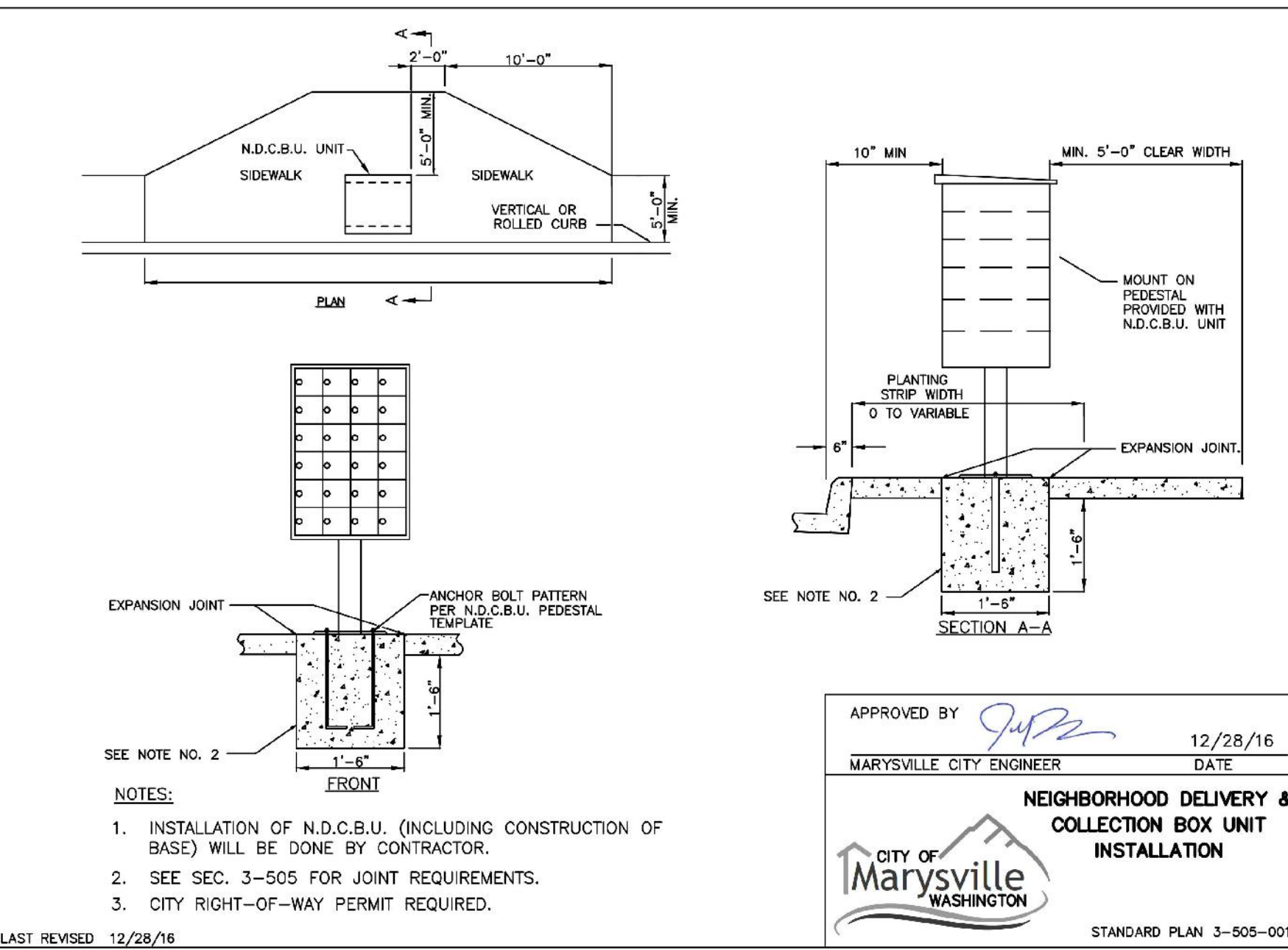
APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON CHAIN LINK FENCE REVISED STANDARD PLAN 3-501-007



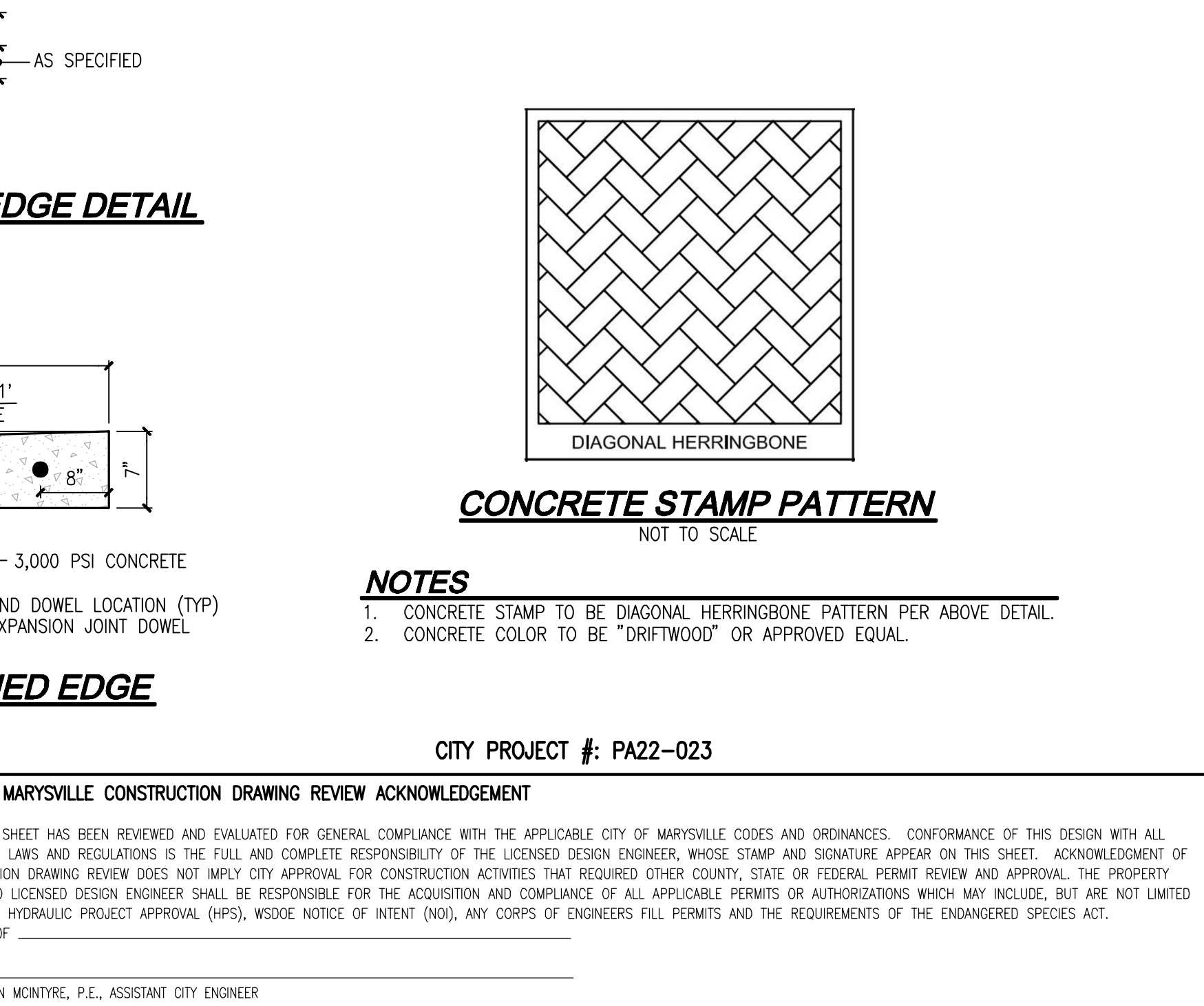
APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON INTERSECTION PAVEMENT MARKERS PLACEMENT STANDARD PLAN 3-406-001



APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON STORM SEWER CLEAN OUT NOT TO SCALE



APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON NEIGHBORHOOD DELIVERY & COLLECTION BOX UNIT INSTALLATION STANDARD PLAN 3-505-001



APPROVED BY [Signature] 12/28/16 MARYSVILLE CITY ENGINEER DATE CITY OF Marysville WASHINGTON CONCRETE STAMP PATTERN NOT TO SCALE CITY PROJECT #: PA22-023

Vertical sidebar containing revision table, LDC logo, Land Pro Group, Inc. Brodie Plat, Notes and Details, and Thomas P. Ardrey Professional Engineer information.



PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON

**NOTES:**

- CASTINGS SHALL BE GRAY IRON ASTM A48, A53-TO M 105, CLASS 30.
- COVER AND SEAT SHALL BE MACHINED FOR PERFECT CONTACT AROUND CIRCUMFERENCE AND FULL WIDTH OF BEARING SURFACE.
- APPROXIMATE WEIGHTS, STANDARD CASE TO LBS TOTAL.
- PAVEMENT SHALL BE ASPHALT CONCRETE OR APPROVED SUBSTITUTE.
- CONCRETE SHALL BE CLASS 4000.

APPROVED BY: *J.P.P.* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE

**ROADWAY SURVEY MONUMENT W/CASE & COVER**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 3-507-001

**BARRICADE NOTES:**

TYPE	I	II	III
WIDTH OF RAIL	8" MIN.	8" MIN.	8" MIN.
LENGTH OF RAIL	12" MIN.	12" MIN.	12" MIN.
HEIGHT	3" MIN.	3" MIN.	3" MIN.
TYPE OF FRAME	DEMOUNTABLE OR HEAVY "X"	LIGHT "A" FRAME	POST OR SKID
FLEXIBILITY	ESSENTIALLY MOVABLE	PORTABLE	ESSENTIALLY PERMANENT

**STRIPES NOTES:**  
 ORANGE & WHITE IF TEMPORARY. RED & WHITE IF 3 MONTHS OR GREATER. REFLECTORIZED SLANT DOWNWARD, RIGHT OR LEFT, IN DIRECTION TRAFFIC WILL PASS. SLANT BOTH DIRECTIONS FROM MIDDLE IF TRAFFIC PASSES BOTH ENDS. WIDTH 6" EXCEPT 4" IF RAILS ARE LESS THAN 3' LONG. SLANT DOWNWARD TO MIDDLE AT END OF CLOSED ROAD.

APPROVED BY: *J.P.P.* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE

**BARRICADES**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 3-508-001

**NOTES:**

- RECYCLED PLASTIC BOLLARD SHALL BE WHITE. TIMBER SHALL BE DOUGLAS FIR, DENSE CONSTRUCTION GRADE, AND SHALL BE PRESSURE TREATED WITH A WATERBORNE PRESERVATIVE (ACA, CCA, ACZA) IN ACCORDANCE WITH THE REQUIREMENTS OF SEC. 9-09.3 (4) OF THE WSDOT/APWA STANDARD SPECIFICATIONS. TOP 5" OF TIMBER SHALL BE PAINTED WHITE.
- STEEL TUBE SHALL CONFORM TO ASTM A53 GRADE A.
- NUTS, BOLTS, & WASHERS SHALL CONFORM TO ASTM A307.
- ALL STEEL PARTS SHALL BE GALVANIZED.
- MIN. 50" SPACING ON TRAILS LESS THAN 10' WIDE. 60" SPACING ON TRAILS 10' OR WIDER.

APPROVED BY: *J.P.P.* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE

**BOLLARDS**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 3-509-001

**NOTES:**

- SEE SEC. 3-515 FOR JOINT REQUIREMENTS.
- ROLL GUTTER TO MATCH POSITIVE SUPERELEVATION.
- SEE SEC. 3-514 FOR EXTRUDED CURB ANCHORAGE.
- VERTICAL CURB WILL BE REQUIRED EXCEPT AS NOTED IN SECTION 3-514.

APPROVED BY: *J.P.P.* 12/28/16  
 MARYSVILLE CITY ENGINEER DATE

**CURB DETAILS**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 3-514-001

**NOTE:**  
 IF CLEANOUT FALLS IN DRIVEWAY USE STANDARD PLAN 5-145-001 FOR UPPER RING AND COVER

APPROVED BY: *J.P.P.* 5/19/17  
 MARYSVILLE CITY ENGINEER DATE

**INDIVIDUAL LOT & ROOF PLAN DETAILS**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 4-040-005

**NOTES:**

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C1278 (ASHTO M 198) & C900 (UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS).
- AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQ. IN. PER SQ. FT. MAY BE USED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A675 (ASHTO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
- ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 20". KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE. THE MAX. DEPTH FROM THE FINISHED GRADE TO THE PIPE INVERT IS 5'-0".
- THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/27 FT.
- CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION BR-400. FINISHING SURFACES SHALL BE FINISHED TO ASSURE NON-SKIDING FIT WITH ANY COVER POSITION.
- FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- FOR CATCH BASINS IN PARKING LOTS REFER TO WSDOT/APWA STANDARD DWG. 81-5.
- EDGE OF RISER OR BRICK SHALL NOT BE MORE THAN 2" FROM VERTICAL EDGE OF CATCH BASIN WALL.
- MINIMUM 4" ADJUSTMENT SECTION BETWEEN BOTTOM OF GRATE AND TOP OF BASE SECTION.

APPROVED BY: *J.P.P.* 5/19/17  
 MARYSVILLE CITY ENGINEER DATE

**CATCH BASIN TYPE 1 (18" MAX. DIA.)**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 4-090-007

**NOTES:**

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C1278 (ASHTO M 198) & C900 (UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS).
- AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQ. IN. PER SQ. FT. MAY BE USED. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A675 (ASHTO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
- ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- ROUND KNOCKOUTS MAY BE ON ALL 4 SIDES, WITH MAX. DIAM. OF 28". KNOCKOUTS MAY BE EITHER ROUND OR "D" SHAPE. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/27 FT.
- CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION BR-400. FINISHING SURFACES SHALL BE FINISHED TO ASSURE NON-SKIDING FIT WITH ANY COVER POSITION.
- FRAME AND GRATE MAY BE INSTALLED WITH FLANGE DOWN OR CAST INTO RISER.
- MAX. DEPTH FROM FINISHED GRADE TO PIPE INVERT SHALL BE 5'-0".
- EDGE OF REDUCING SECTION OR BRICK SHALL NOT BE MORE THAN 2" FROM VERTICAL EDGE OF CATCH BASIN WALL.
- MINIMUM 4" ADJUSTMENT SECTION BETWEEN BOTTOM OF GRATE AND TOP OF BASE SECTION.

APPROVED BY: *J.P.P.* 5/19/17  
 MARYSVILLE CITY ENGINEER DATE

**CATCH BASIN TYPE 1-L (18"-28" DIA.)**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 4-080-008

**NOTES:**

- CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C1278 (ASHTO M 198) & C900 (UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE WSDOT/APWA STANDARD SPECIFICATIONS).
- HANDHOLES IN ADJUSTMENT SECTION SHALL HAVE 3" MIN. CLEARANCE. STEPS IN CATCH BASIN SHALL HAVE 4" MIN. CLEARANCE. SEE DWG. NO. 4-090-014. CATCH BASIN DETAILS, HANDHOLES SHALL BE PLACED IN ALTERNATING GROOVE SIDES OR LEVELING BRICK COURSE WITH A MIN. OF ONE HANDHOLD BETWEEN THE LAST STEP AND TOP OF THE MANHOLE.
- ALL REINFORCED CAST-IN-PLACE CONCRETE SHALL BE CLASS 4000. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
- PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. UNLESS OTHERWISE NOTED, THEY SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS. MAX. HOLE SIZE SHALL BE 30" FOR 48" CATCH BASIN, 42" FOR 54" C.B., 48" FOR 60" C.B., 60" FOR 72" C.B., 84" FOR 96" C.B. MIN. DISTANCE BETWEEN HOLES SHALL BE 8" FOR 48", 54", AND 60" C.B.; 12" FOR 72" AND 96" C.B.
- CATCH BASIN FRAME AND GRATE OR COVERS SHALL BE IN ACCORDANCE WITH SEC. 4-080(0) AND MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATION BR-400. FINISHING SURFACES SHALL BE FINISHED TO ASSURE NON-SKIDING FIT WITH ANY COVER POSITION.
- ALL BASE REINFORCING STEEL SHALL HAVE A MIN. YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MIN. CLEARANCE.
- MIN. SOLE BEARING VALUE SHALL EQUAL 3,300 POUNDS PER SQUARE FOOT.
- FOR DETAILS SHOWING LADDER, STEPS, HANDRAILS AND TOP SLABS, SEE DWG. NO. 4-090-014.
- SEE THE WSDOT/APWA STANDARD SPECIFICATIONS SEC. 7-09.3 FOR JOINT REQUIREMENTS.

APPROVED BY: *J.P.P.* 5/19/17  
 MARYSVILLE CITY ENGINEER DATE

**CATCH BASIN TYPE 2 (48", 54", 72", 96")**

CITY OF Marysville WASHINGTON  
 STANDARD PLAN 4-080-009

**NOTES:**

- THIS TRENCH SHALL BE CONSTRUCTED SO AS TO PREVENT POINT DISCHARGE AND/OR EROSION.
- TRENCHES MAY BE PLACED NO CLOSER THAN 50 FEET TO ONE ANOTHER. (100 FEET ALONG FLOWING WATERWAYS.)
- TRENCH AND GRADE BOARD MUST BE LEVEL. ALIGN TO FOLLOW CONTOURS OF SITE. SUPPORT FOOT SPACING AS REQUIRED BY SOIL CONDITIONS TO ENSURE GRADE BOARD REMAINS LEVEL.
- FOR DETAILS SHOWING LADDER, STEPS, HANDRAILS AND TOP SLABS, SEE DWG. NO. 4-090-014.

APPROVED BY: *J.P.P.* 5/19/17  
 MARYSVILLE CITY ENGINEER DATE

**DISPERSION TRENCH**

CITY PROJECT #: P22-023

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDRW HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT. THIS DAY OF: \_\_\_\_\_

BY: *KEN MONTYRE, P.E.* ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

**REVISIONS**

NO.	DATE	DESCRIPTION

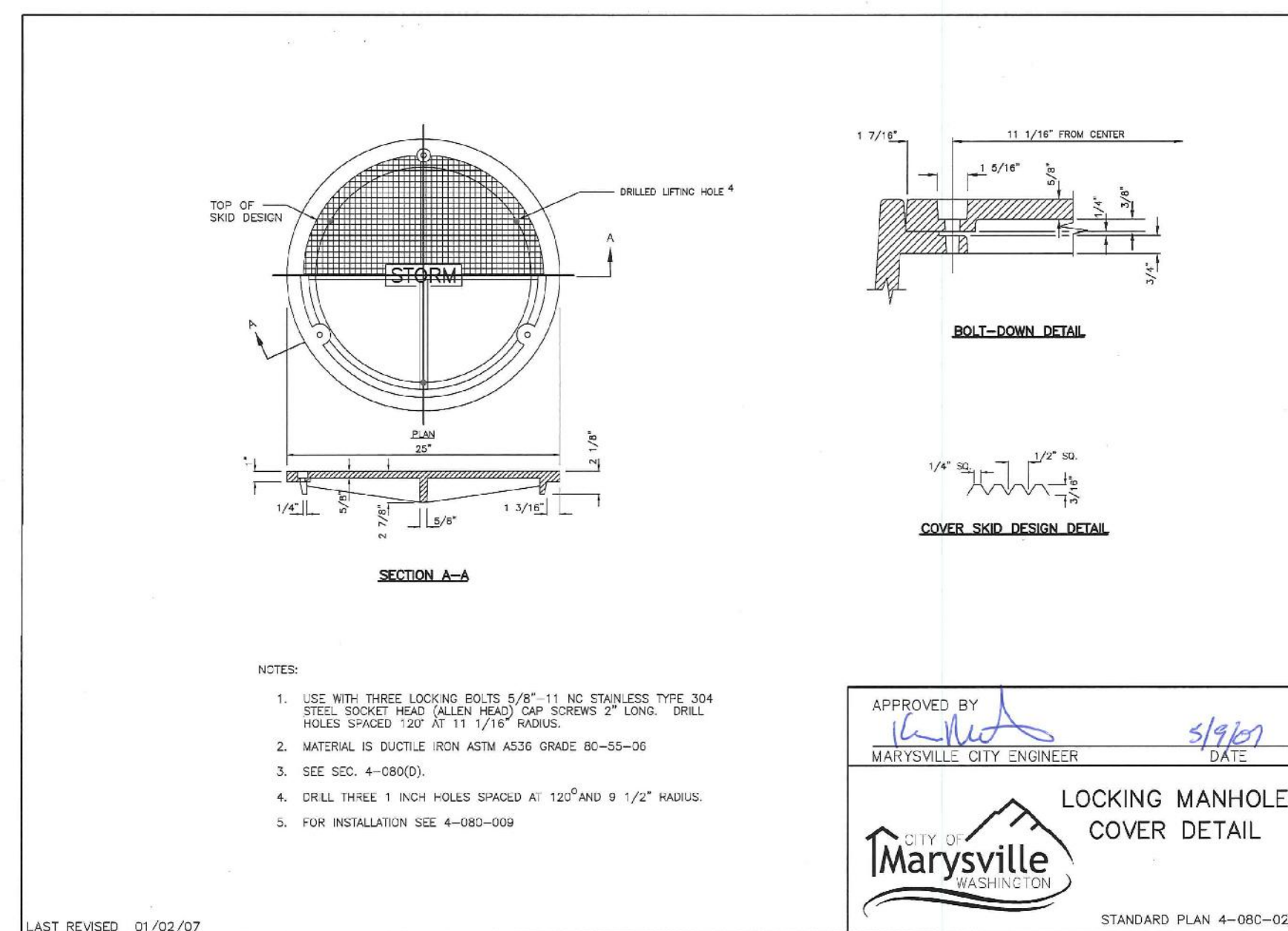
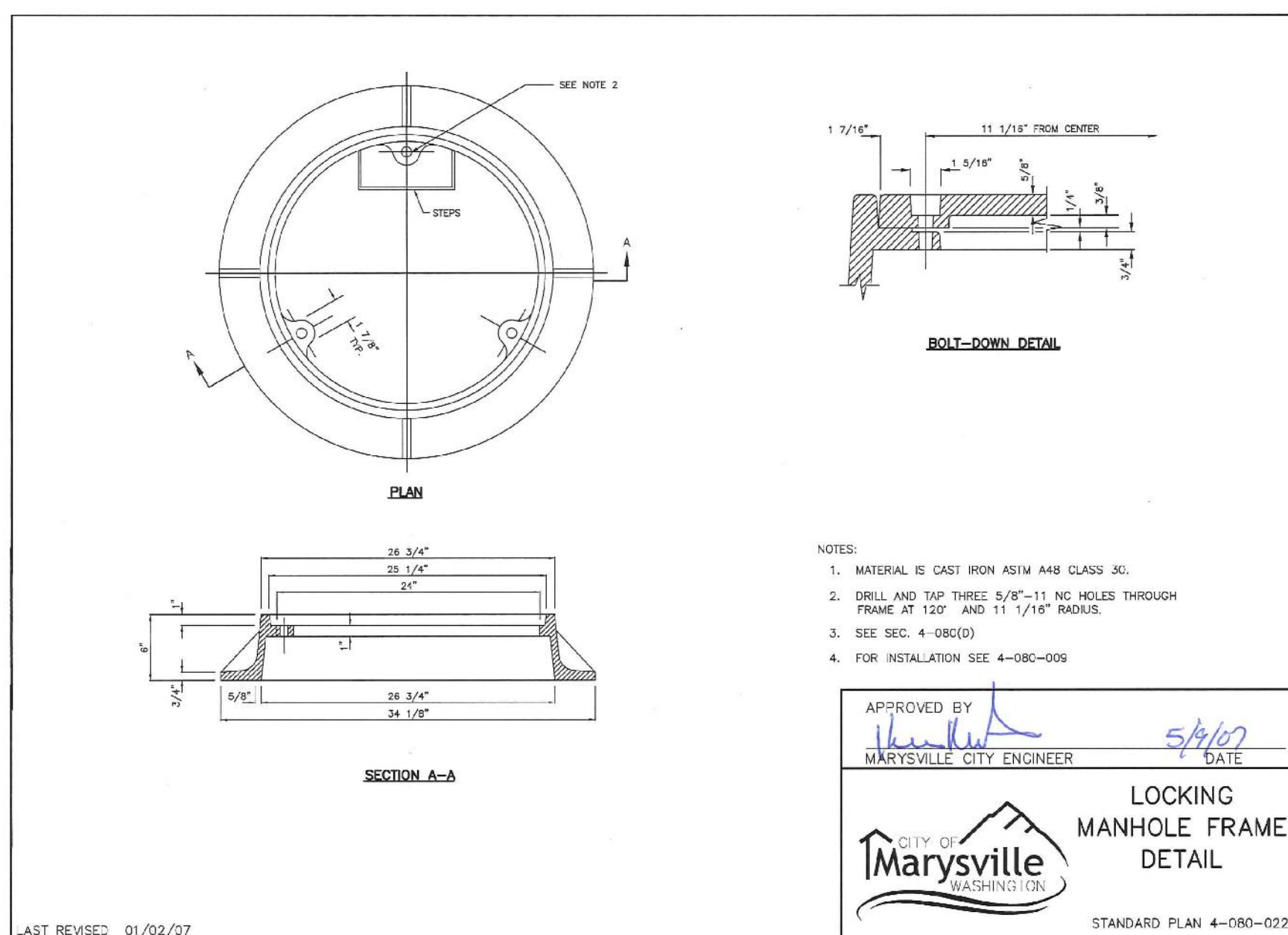
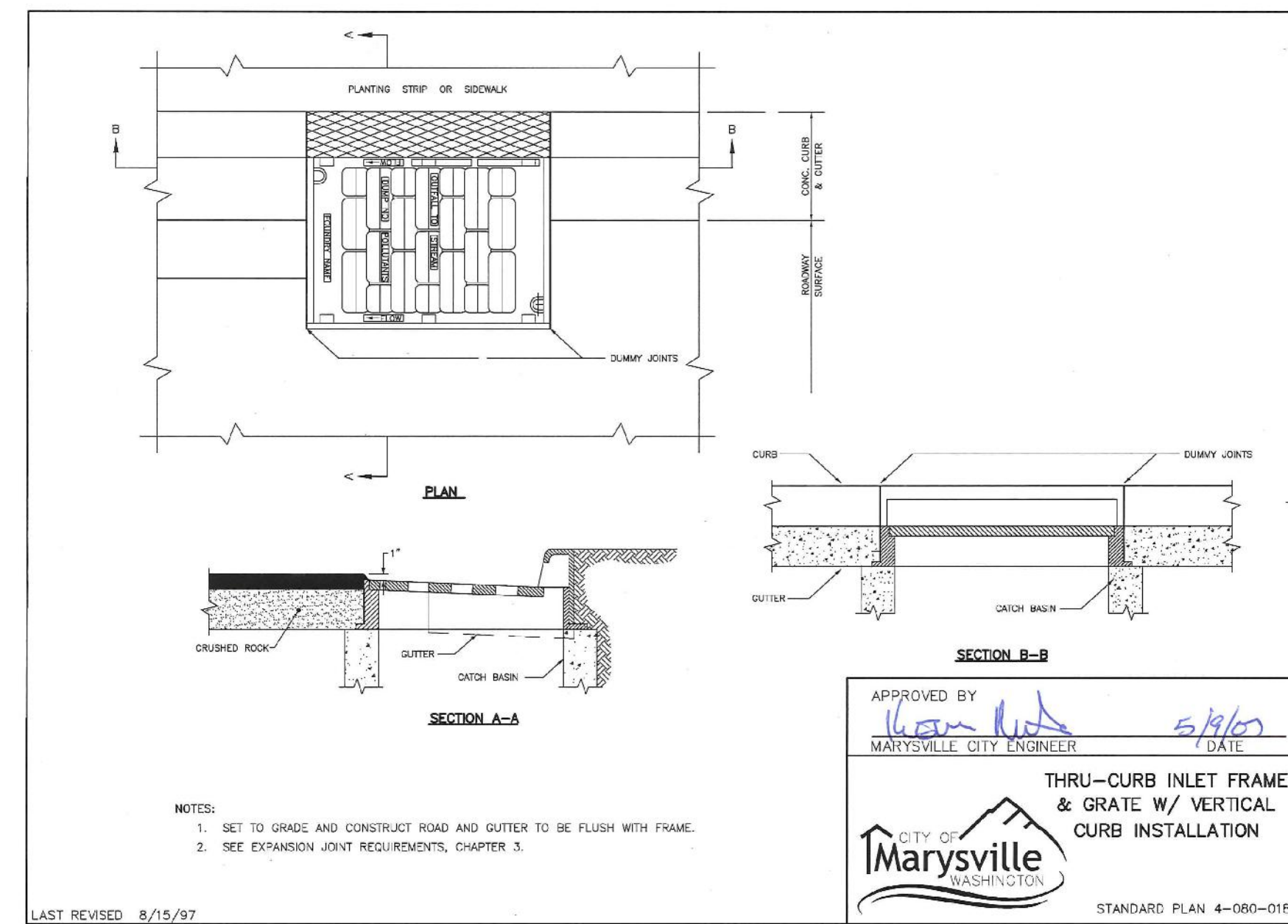
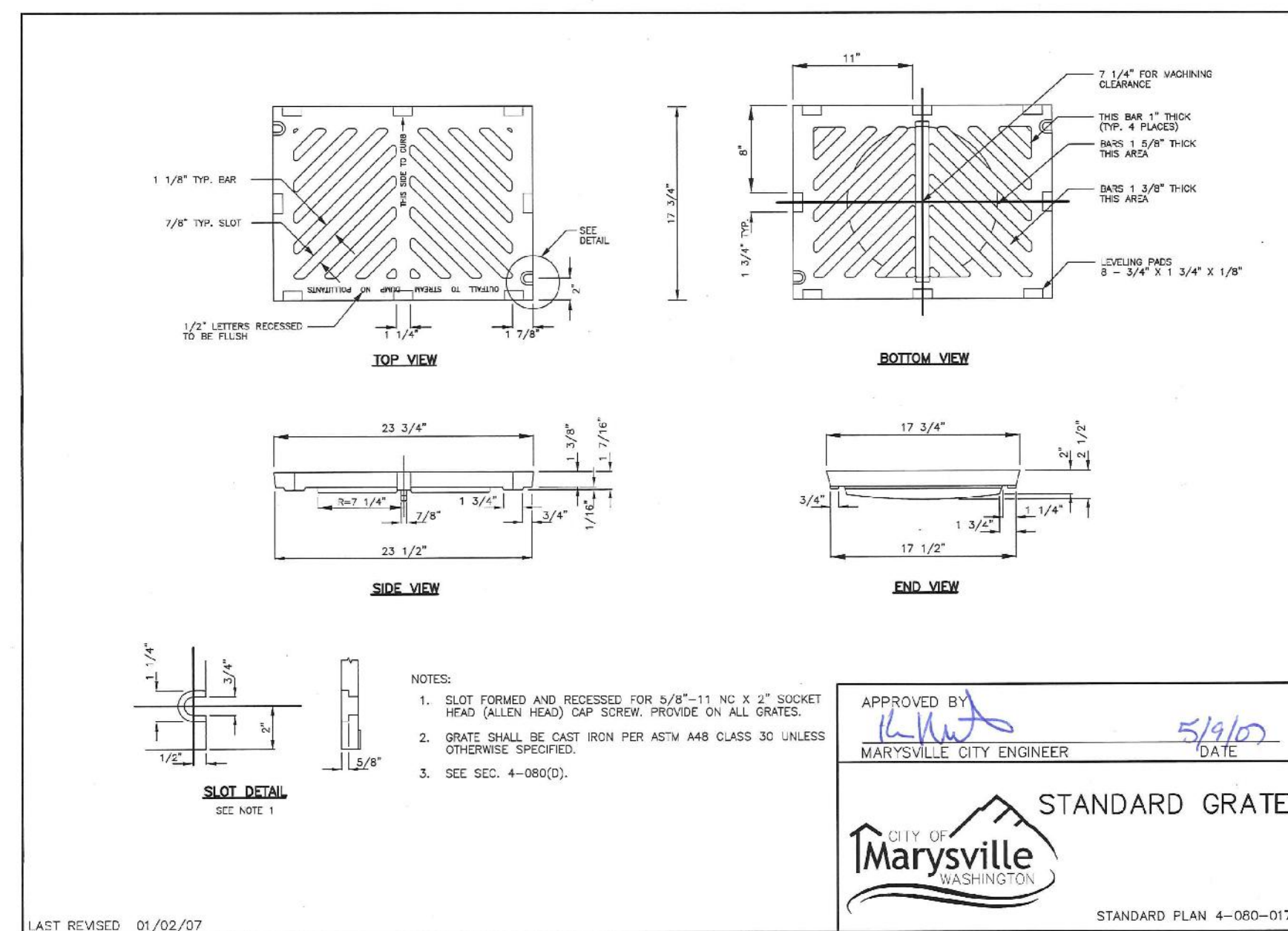
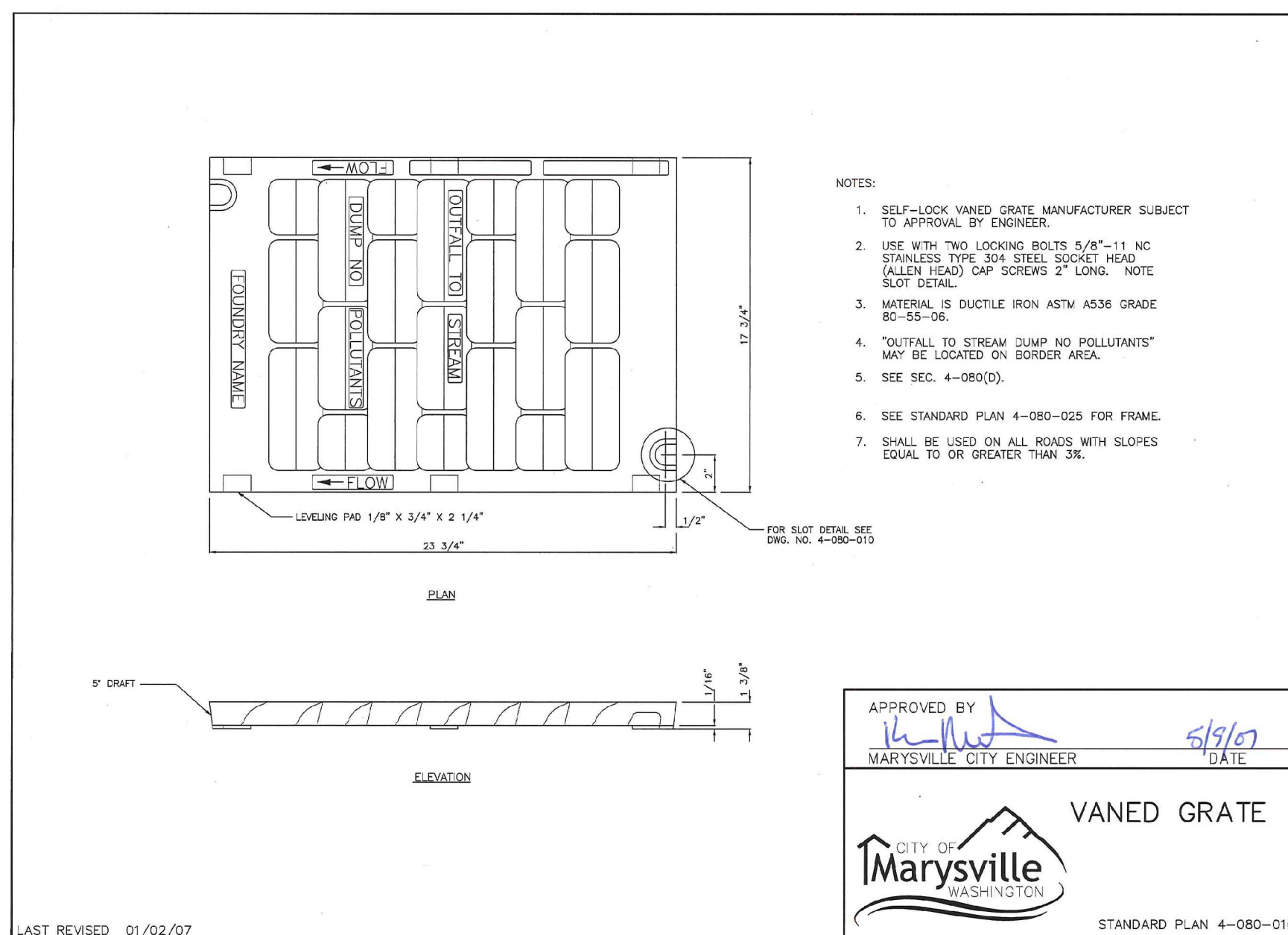
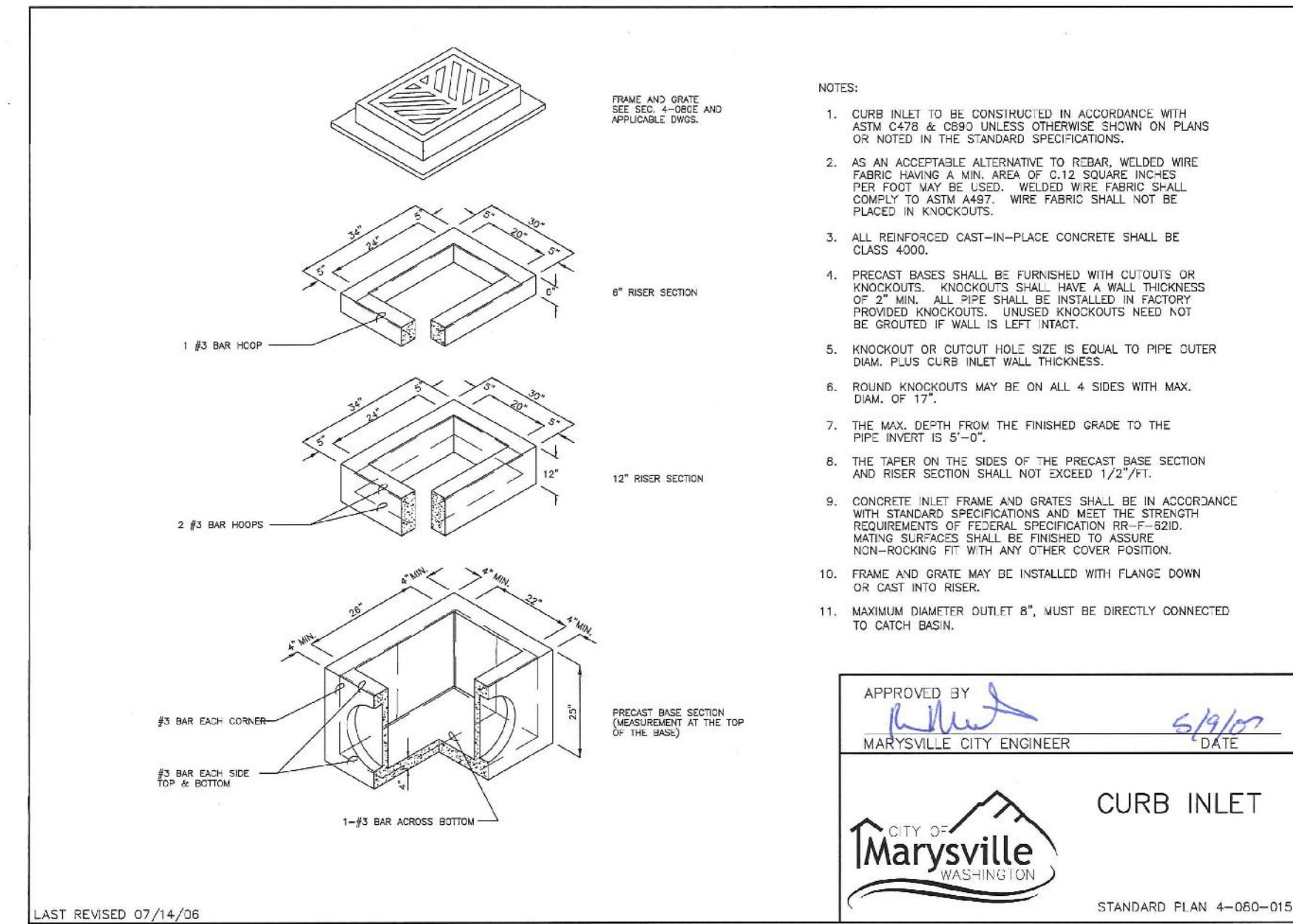
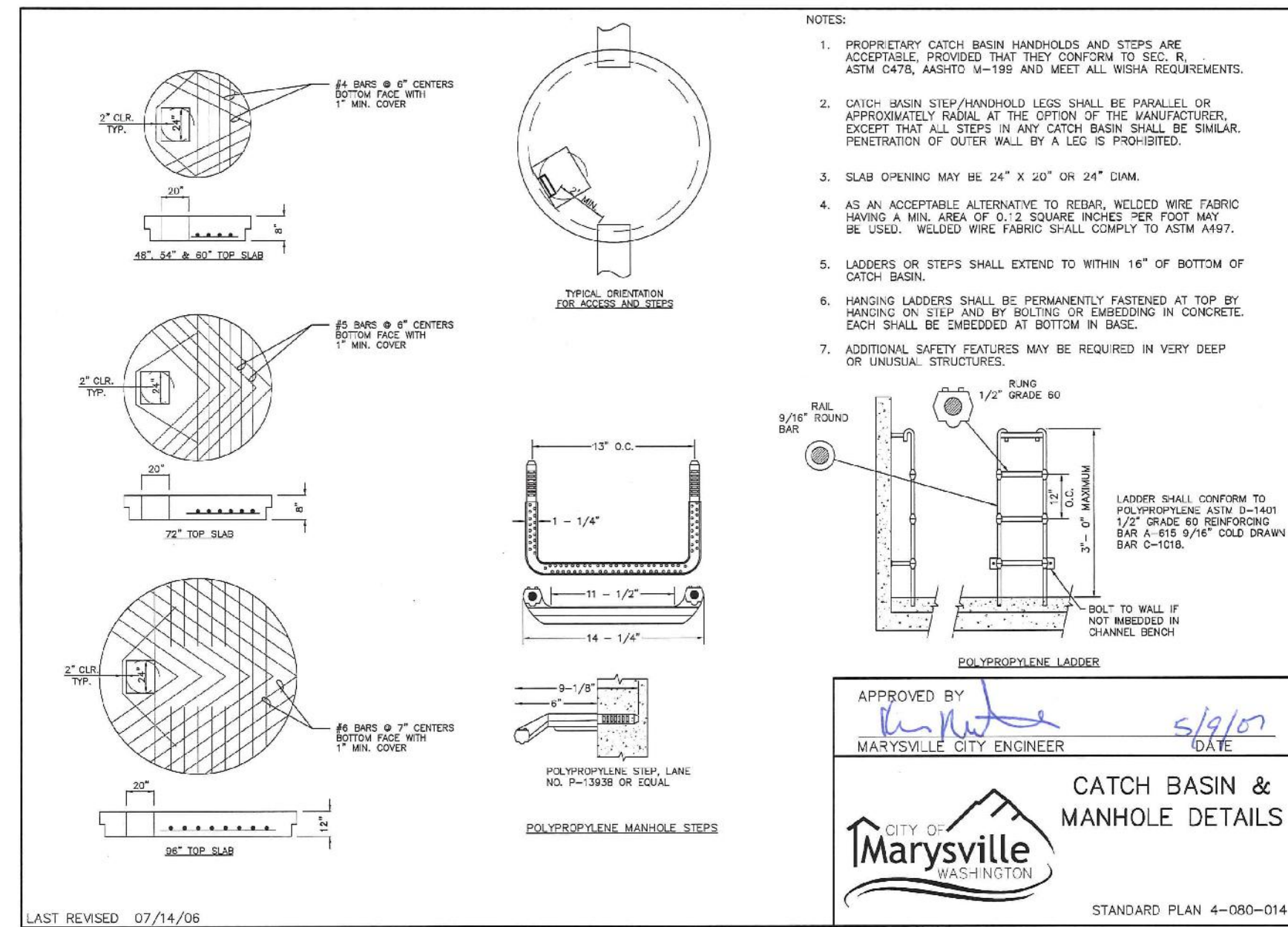
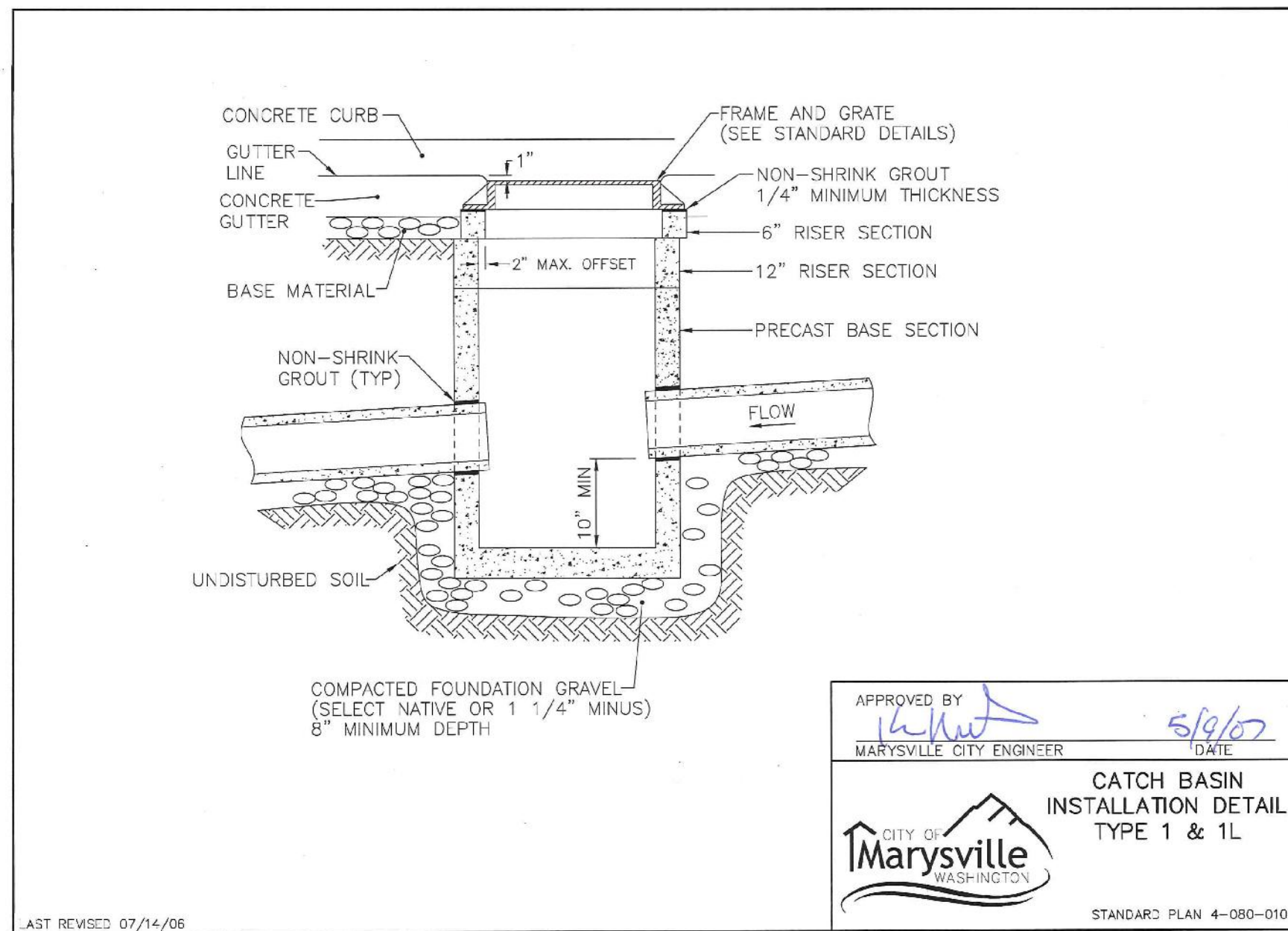
**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
 NOTES AND DETAILS

**LDC**  
 Surveying  
 Engineering  
 Planning  
 Olympia  
 Woodinville  
 20210 142nd Avenue NE  
 Woodinville, WA 98072  
 www.LDCcorp.com  
 T 425.806.1869  
 F 425.482.2993

**THOMAS P. ALBERTY**  
 REGISTERED PROFESSIONAL ENGINEER  
 56921

JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-RD-01  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: AS NOTED  
 JURISDICTION: MARYSVILLE

**DT-02**  
 SHEET 25 OF 39



CITY PROJECT #: PA22-023

CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDRW HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT. THIS DAY OF \_\_\_\_\_

BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

BY	
NO.	
DATE	
DESCRIPTION	

REVISIONS

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 NOTES AND DETAILS

**LDC**  
 Surveying  
 Engineering  
 Planning  
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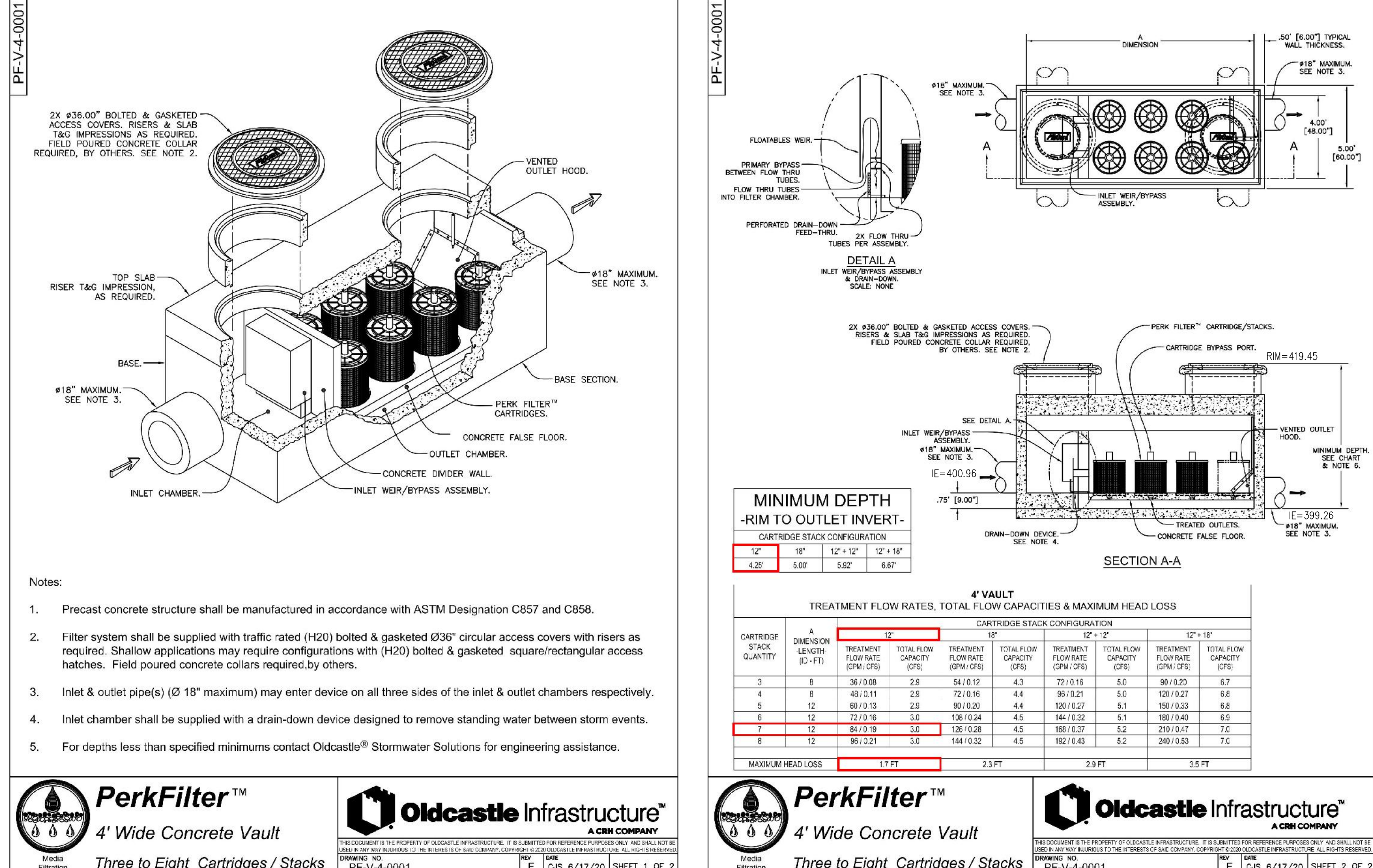
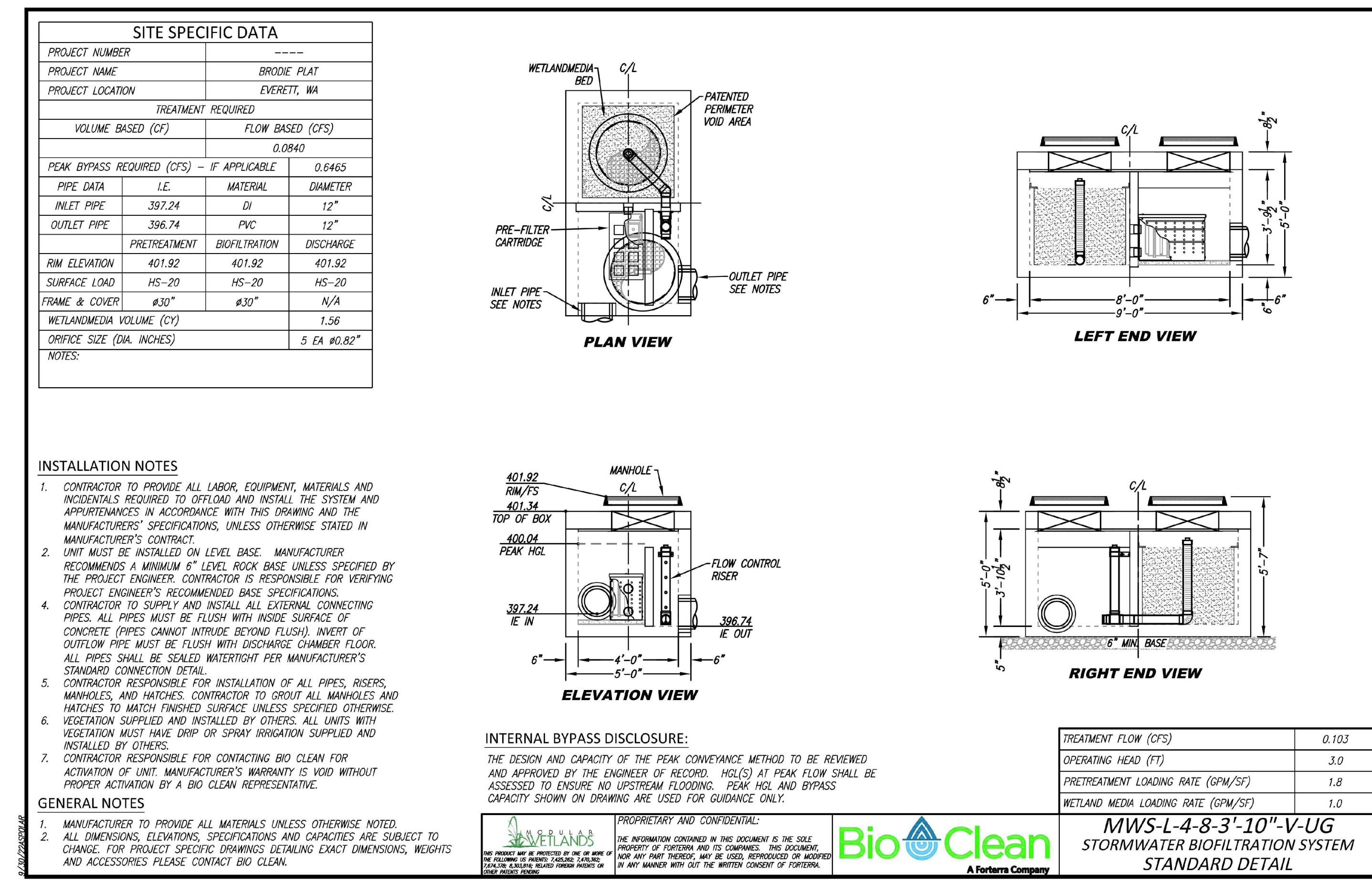
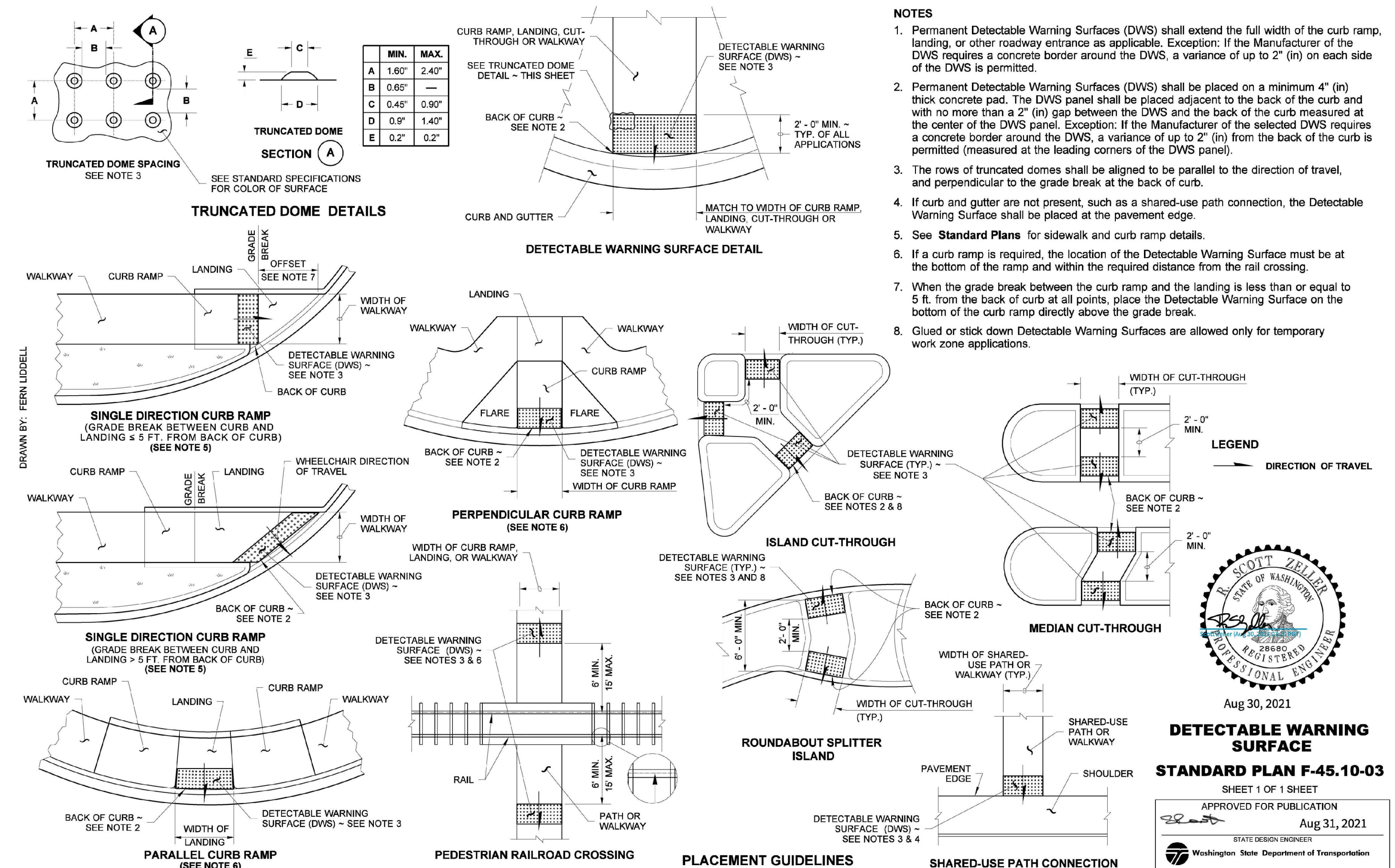
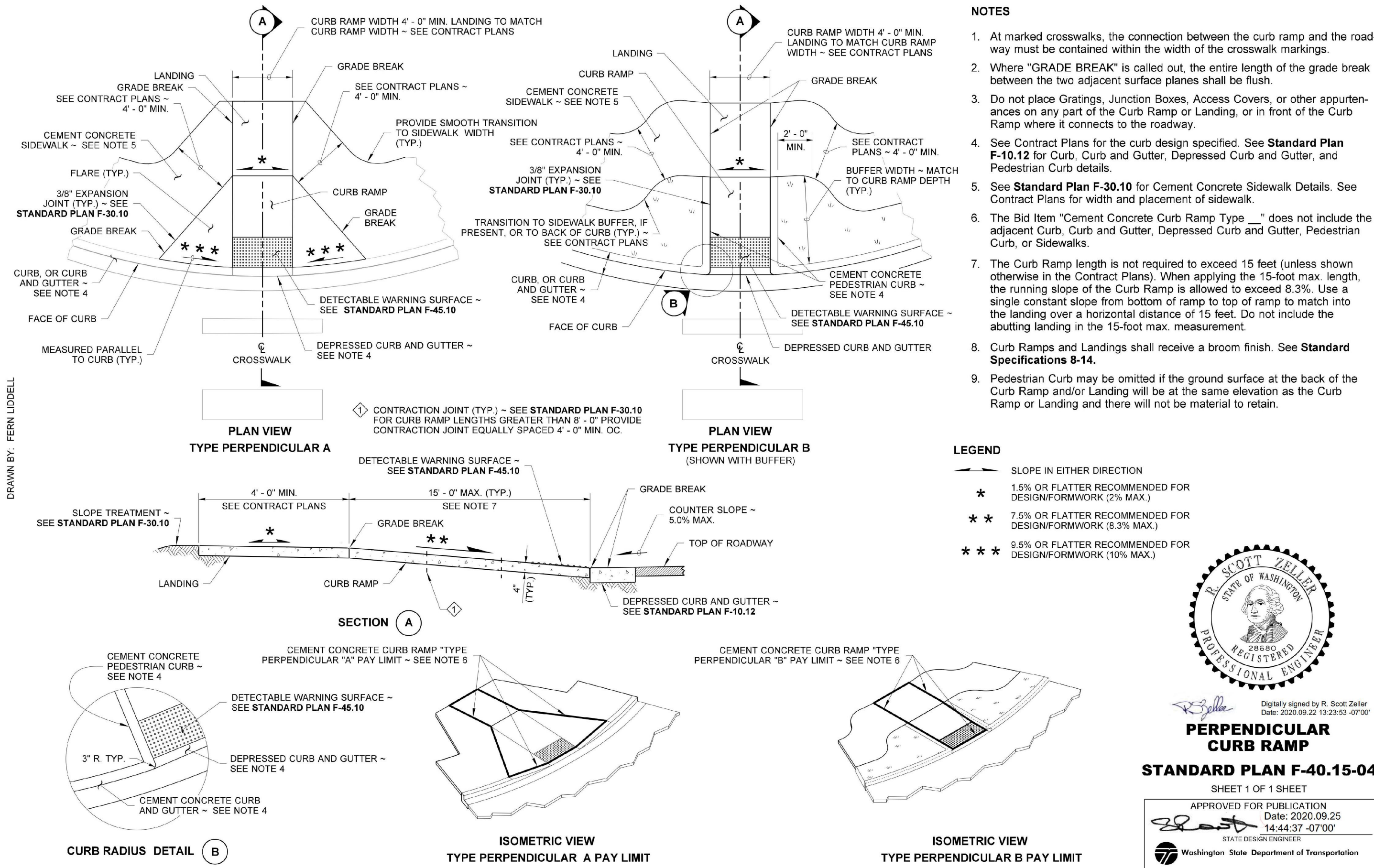
THOMAS P. ABBOTT  
 PROFESSIONAL ENGINEER  
 56921  
 WASHINGTON STATE

JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-RD-01  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: AS NOTED  
 JURISDICTION: MARYSVILLE

DT-03  
 SHEET 26 OF 39

Drawing: P:\Cvt\2022\C22-177 brodie plat\Drawings\Construction\C22177C-RD-01.dwg Plotted: Nov 15, 2022 - 12:56pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**LAND PRO GROUP, INC. BRODIE PLAT NOTES AND DETAILS**

**CITY PROJECT #: PA22-023**

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE, OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDRW HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPUS OF COMPLIANCE AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT. THIS DAY OF \_\_\_\_\_

BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

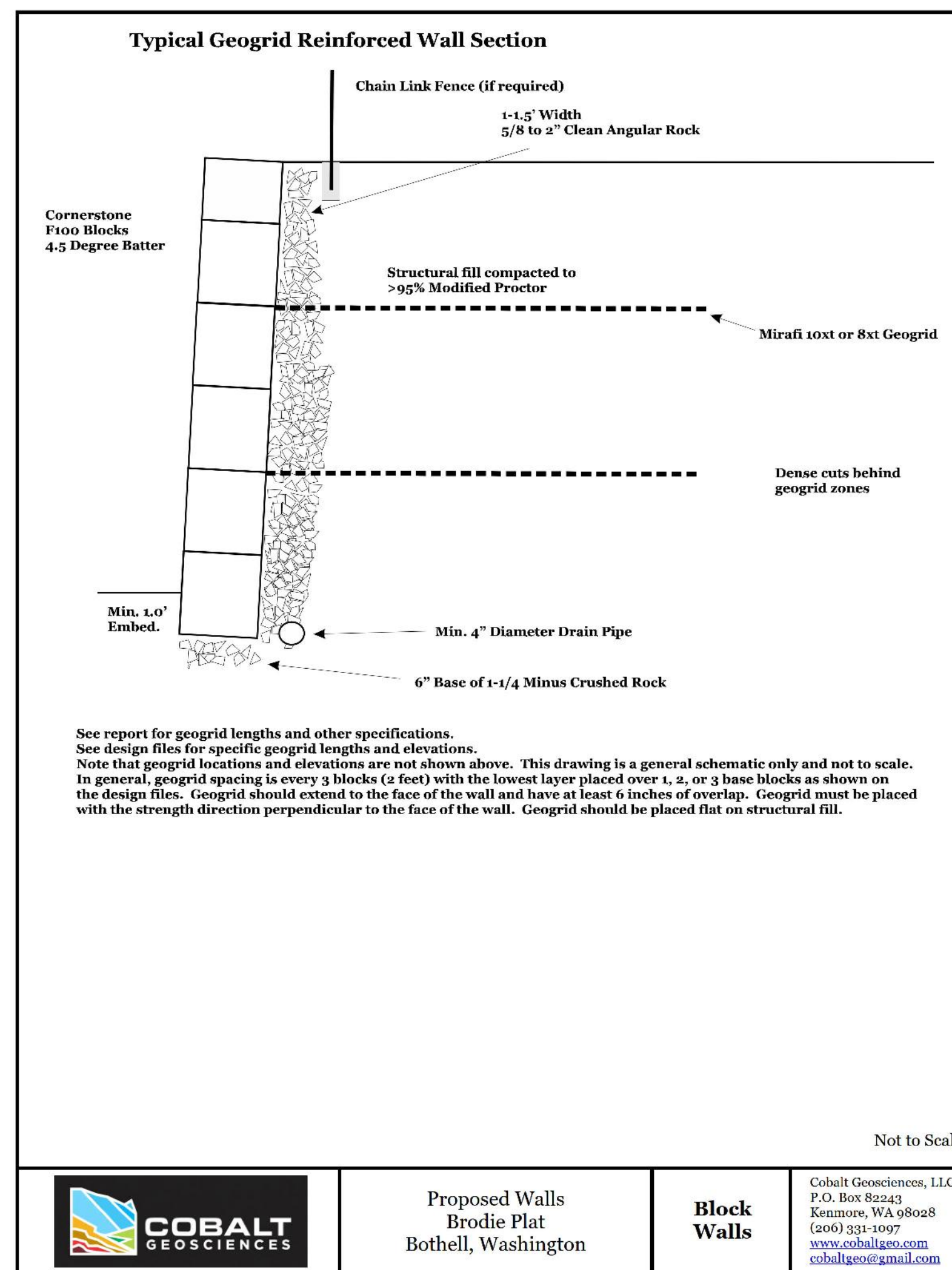
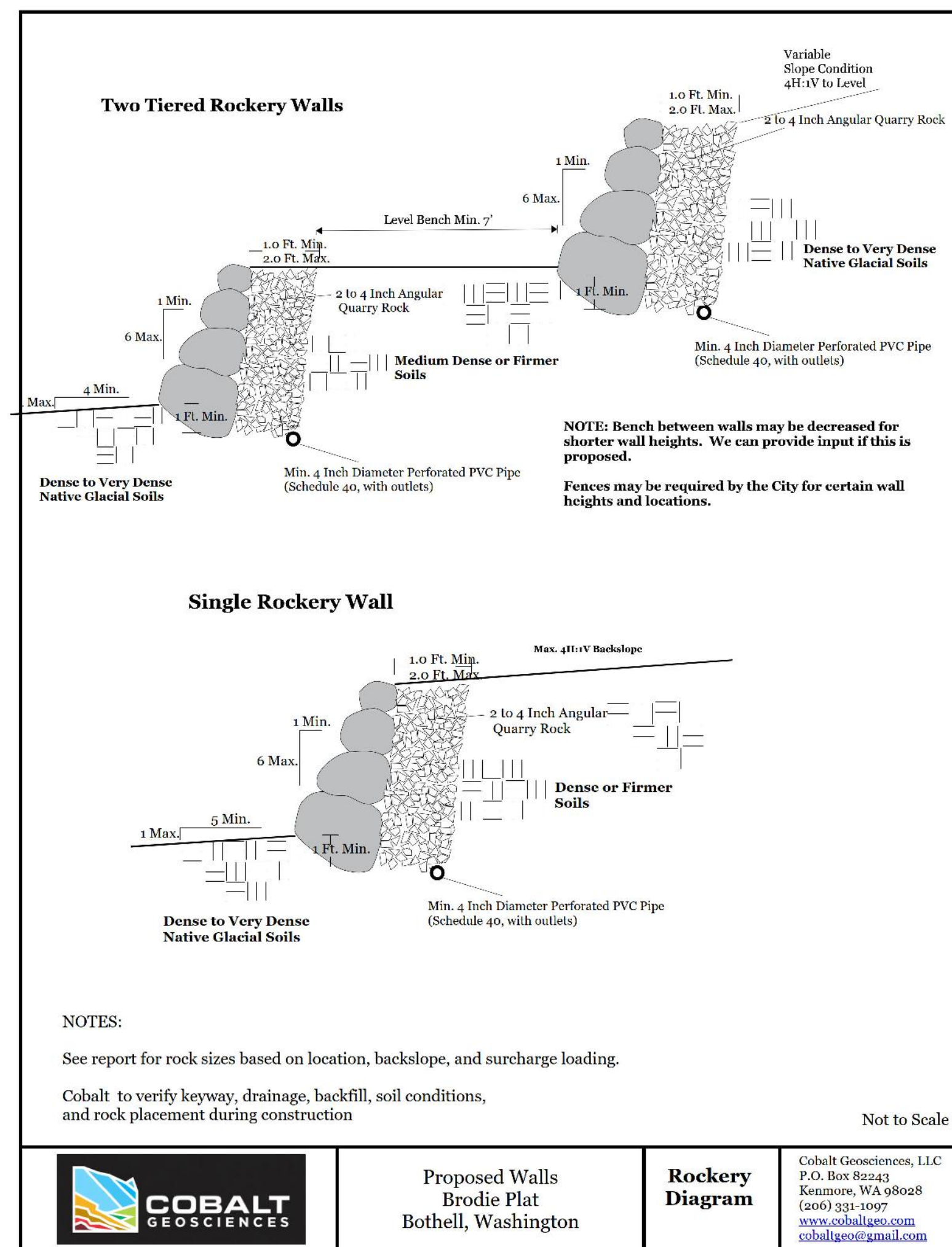
**REVISIONS**

NO.	DATE	DESCRIPTION

**JOB NUMBER:** C22-177  
**DRAWING NAME:** C22177C-RD-01  
**DESIGNER:** TPA  
**DRAFTING BY:** DPN  
**DATE:** 11-15-22  
**SCALE:** AS NOTED  
**JURISDICTION:** MARYSVILLE

**DT-04**

SHEET 27 OF 39



	Proposed Walls Brodie Plat Bothell, Washington	<b>Rockery Diagram</b>	Cobalt Geosciences, LLC P.O. Box 82243 Kenmore, WA 98028 (206) 331-1067 www.cobaltgeo.com cobaltgeo@gmail.com
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	Proposed Walls Brodie Plat Bothell, Washington	<b>Block Walls</b>	Cobalt Geosciences, LLC P.O. Box 82243 Kenmore, WA 98028 (206) 331-1067 www.cobaltgeo.com cobaltgeo@gmail.com
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NO.	DATE	REVISIONS DESCRIPTION	BY

**LDC** | Surveying Engineering Planning

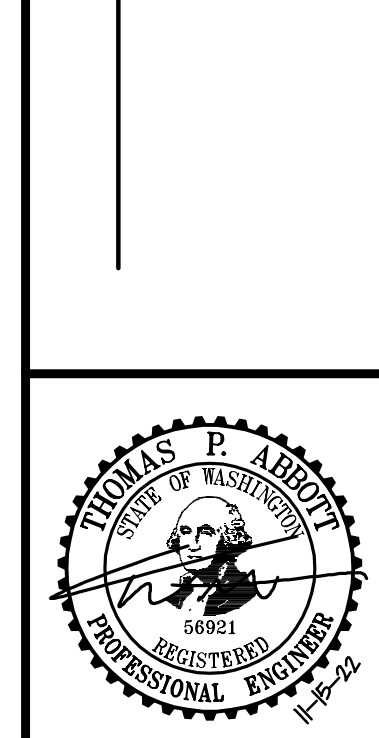
**Kent**  
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**LAND PRO GROUP, INC.**

**BRODIE PLAT**

**NOTES AND DETAILS**



JOB NUMBER:	C22-177
DRAWING NAME:	C22177C-RD-01
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DATE:	11-15-22
SCALE:	AS NOTED
JURISDICTION:	MARYSVILLE

CITY PROJECT #: PA22-023

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDRW HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.

THIS DAY OF \_\_\_\_\_

BY: \_\_\_\_\_  
 KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

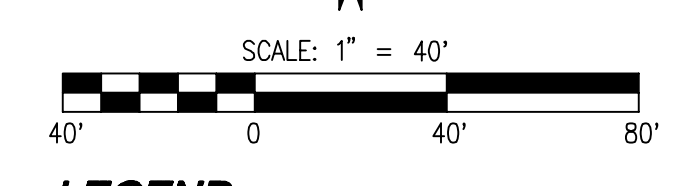
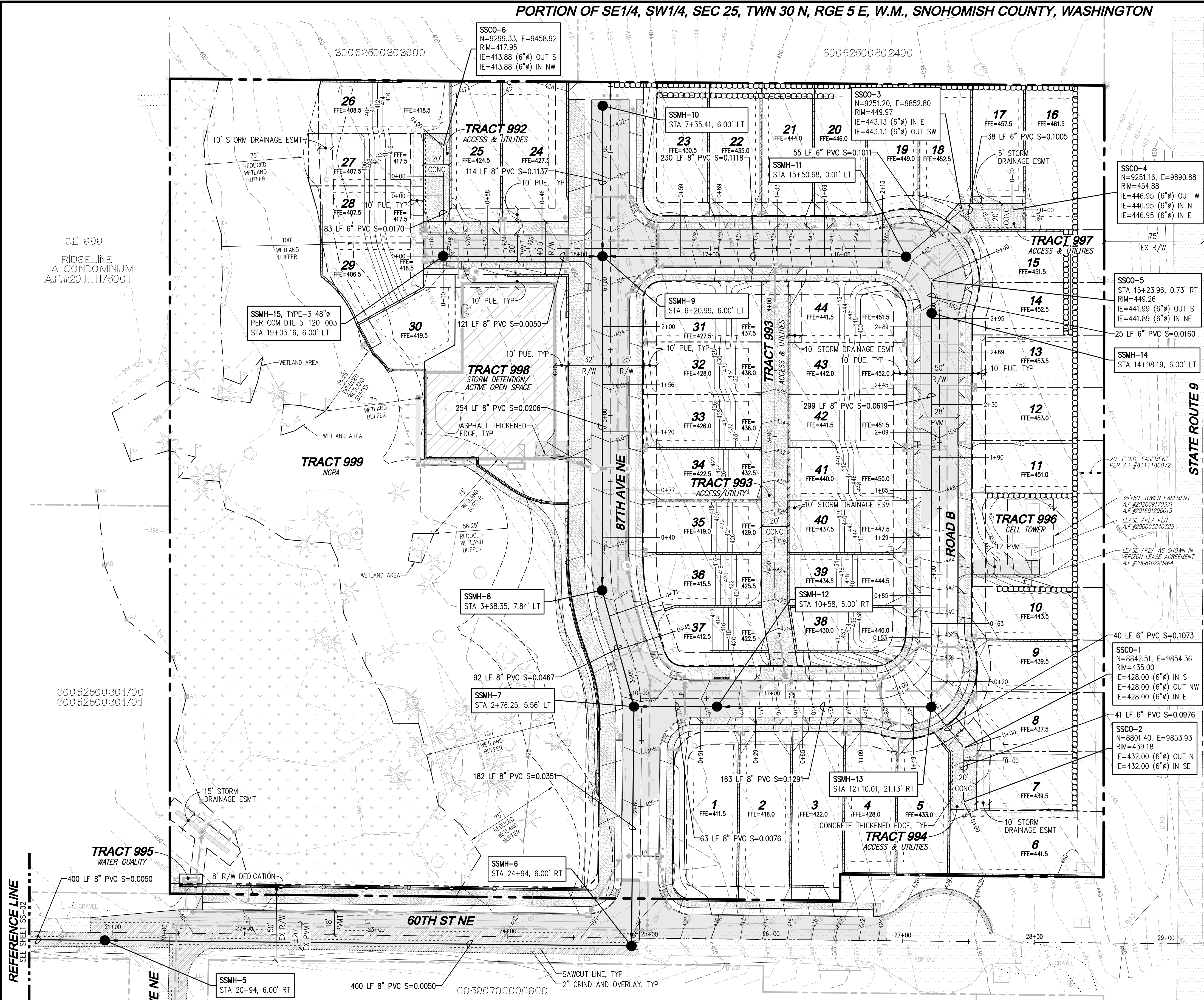
THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

**DT-05**

SHEET 28 OF 39

Drawing: P:\City\2022\c22-177 brodie plat\Drawings\Construction\C22177C-RD-01.dwg Plotted: Nov 15, 2022 - 12:45pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**LEGEND**

- STORM PIPE
- DRAIN LINE
- SEWER PIPE
- WATER PIPE
- FALL PROTECTION FENCING
- SIGN ("NO PARKING" UNLESS OTHERWISE NOTED)
- STREET LIGHT
- FULL DEPTH ASPHALT
- CONCRETE
- 2" GRIND AND OVERLAY

**SIDE SEWER SERVICE TABLE**

LOT NO.	DIST TO SERVICE (FROM DOWNSTREAM MANHOLE)	SERVICE LENGTH (LF)	IE AT MAIN (FT)	PAD ELEVATION (FT)	STUB ELEVATION (FT)	DEPTH (FT)	SLOPE
LOT 1	51.00	29.00	0.13	410.00	406.00	4.00	12.5%
LOT 2	29.00	29.00	0.14	414.50	410.50	4.00	14.5%
LOT 3	65.00	29.00	0.19	420.50	416.50	4.00	19.1%
LOT 4	109.00	29.00	0.20	426.50	422.50	4.00	20.2%
LOT 5	149.00	34.00	0.17	431.50	427.50	4.00	16.8%
LOT 6	-	26.00	0.12	440.00	436.00	4.00	12.3%
LOT 7	10.00	30.00	0.14	438.00	434.00	4.00	14.4%
LOT 8	-	30.00	0.11	436.00	432.00	4.00	11.0%
LOT 9	20.00	44.00	0.21	438.00	434.00	4.00	20.6%
LOT 10	64.00	41.00	0.25	442.00	438.00	4.00	25.2%
LOT 11	190.00	41.00	0.24	449.50	445.50	4.00	24.4%
LOT 12	230.00	41.00	0.23	451.50	447.50	4.00	23.3%
LOT 13	270.00	41.00	0.18	452.00	448.00	4.00	18.5%
LOT 14	295.00	41.00	0.15	451.00	448.00	3.00	14.7%
LOT 15	52.00	0.00	0.08	450.00	447.00	3.00	7.8%
LOT 16	20.00	0.00	0.22	460.00	453.50	6.50	22.0%
LOT 17	20.00	0.00	0.19	456.00	453.00	3.00	19.5%
LOT 18	20.00	0.00	0.17	451.00	448.00	3.00	17.3%
LOT 19	213.00	47.00	0.18	447.50	444.00	3.50	18.1%
LOT 20	169.00	41.00	0.24	444.50	440.50	4.00	24.2%
LOT 21	133.00	41.00	0.19	438.50	434.50	4.00	19.3%
LOT 22	89.00	41.00	0.19	433.50	429.50	4.00	19.1%
LOT 23	59.00	41.00	0.16	429.00	425.00	4.00	16.4%
LOT 24	46.00	40.00	0.13	426.00	422.00	4.00	12.7%
LOT 25	88.00	40.00	0.14	422.00	418.00	4.00	14.4%
LOT 26	-	20.00	0.03	418.50	414.50	4.00	3.1%
LOT 27	61.00	20.00	0.01	417.50	413.81	3.69	1.4%
LOT 28	46.00	20.00	0.06	418.50	414.50	4.00	6.0%
LOT 29	3.00	20.00	0.12	419.00	415.00	4.00	11.8%
LOT 30	124.00	20.00	0.15	419.50	415.50	4.00	15.3%
LOT 31	200.00	41.00	0.28	426.00	422.00	4.00	28.1%
LOT 32	156.00	41.00	0.31	426.50	422.50	4.00	31.5%
LOT 33	120.00	41.00	0.28	424.50	420.50	4.00	28.4%
LOT 34	77.00	41.00	0.22	421.00	417.00	4.00	22.0%
LOT 35	40.00	41.00	0.15	417.50	413.50	4.00	15.4%
LOT 36	71.00	42.00	0.11	414.00	410.00	4.00	11.2%
LOT 37	45.00	43.00	0.07	411.00	407.00	4.00	6.8%
LOT 38	53.00	30.00	0.16	435.80	431.80	4.00	16.0%
LOT 39	85.00	29.00	0.35	443.00	439.00	4.00	34.6%
LOT 40	129.00	29.00	0.36	446.00	442.00	4.00	35.5%
LOT 41	165.00	29.00	0.36	448.50	444.50	4.00	36.4%
LOT 42	209.00	29.00	0.32	450.00	446.00	4.00	32.2%
LOT 43	246.00	29.00	0.26	450.50	446.50	4.00	26.0%
LOT 44	289.00	29.00	0.15	450.00	446.00	4.00	15.1%

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

CITY PROJECT #: PA22-023  
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**REVISIONS**

NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
SANITARY SEWER PLAN

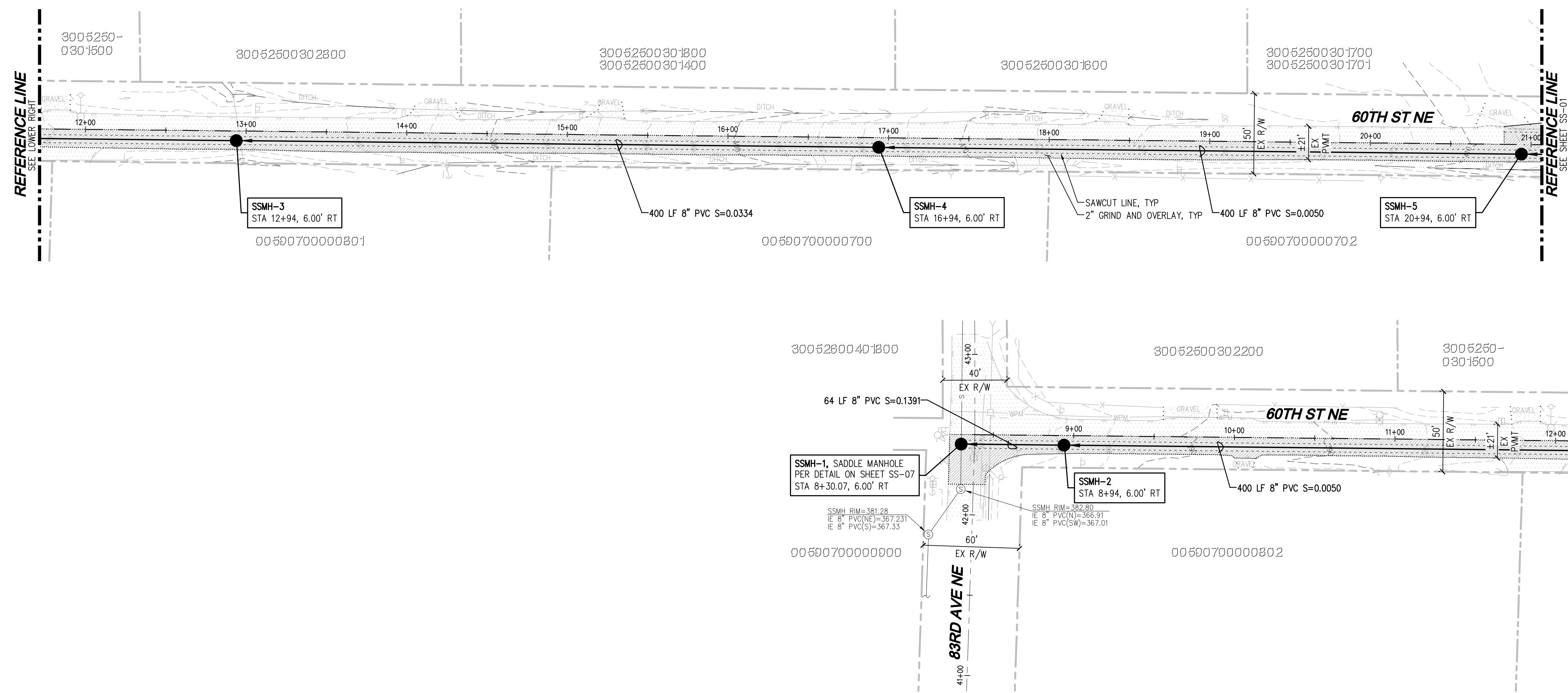
**LDC** | Surveying Engineering Planning  
Kent Woodinville Olympia  
20210 142nd Avenue NE Woodinville, WA 98072  
T 425.806.1869 www.LDCcorp.com F 425.482.2993

**THOMAS P. ABERNETHY**  
PROFESSIONAL ENGINEER  
56921

JOB NUMBER: C22-177  
DRAWING NAME: C22177C-SS-PL  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

**SS-01**  
SHEET 29 OF 39

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



SCALE: 1" = 40'

**LEGEND**

- STORM PIPE
- DRAIN LINE
- SEWER PIPE
- WATER PIPE
- FALL PROTECTION FENCING SIGN ("NO PARKING" UNLESS OTHERWISE NOTED)
- STREET LIGHT
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THIS DAY OF \_\_\_\_\_

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

KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

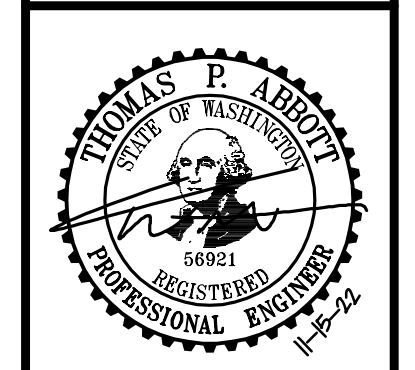
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NO.	DATE	DESCRIPTION

**LDC** | Surveying Engineering Planning

Kent  
 Woodinville  
 20210 142nd Avenue NE  
 Woodinville, WA 98072  
 www.LDCcorp.com  
 T 425.806.1869  
 Olympia  
 F 425.482.2893

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 SANITARY SEWER PLAN

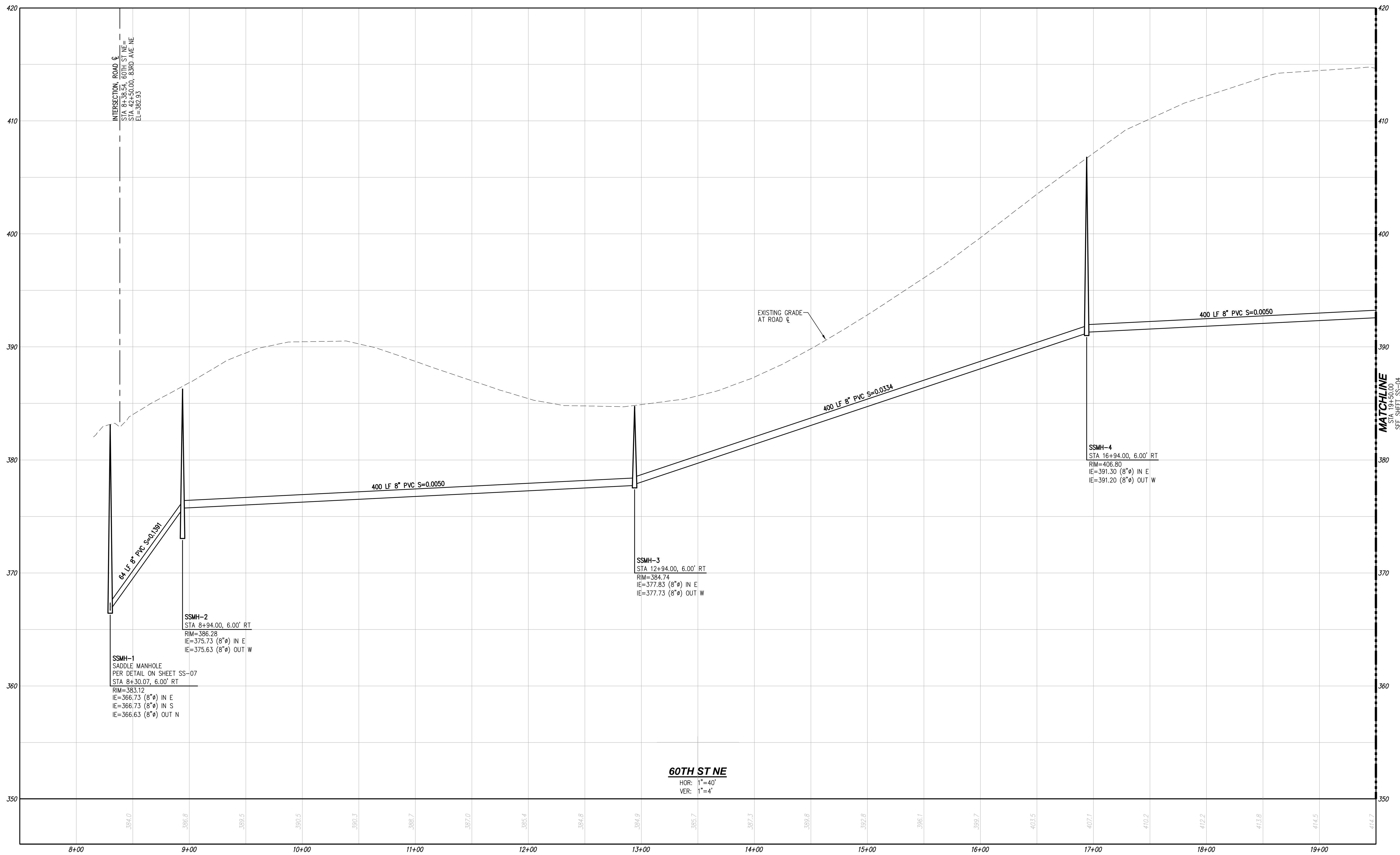


JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-SS-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**SS-02**  
 SHEET 30 OF 39

Drawing: P:\Civil\2022\C22-177 Brodie.plt\Drawings\Construction\C22177C-SS-PL.dwg Plotted: Nov 15, 2022 - 12:46pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



INTERSECTION, ROAD CL  
 STA 8+38.54, 60TH ST NE =  
 STA 42+50.00, 83RD AVE NE  
 EL=382.93

84 LF 8" PVC S=-0.1391

SSMH-1  
 SADDLE MANHOLE  
 PER DETAIL ON SHEET SS-07  
 STA 8+30.07, 6.00' RT  
 RIM=383.12  
 IE=366.73 (8") IN E  
 IE=366.73 (8") IN S  
 IE=366.63 (8") OUT N

SSMH-2  
 STA 8+94.00, 6.00' RT  
 RIM=386.28  
 IE=375.73 (8") IN E  
 IE=375.63 (8") OUT W

400 LF 8" PVC S=0.0050

SSMH-3  
 STA 12+94.00, 6.00' RT  
 RIM=384.74  
 IE=377.83 (8") IN E  
 IE=377.73 (8") OUT W

400 LF 8" PVC S=0.0334

SSMH-4  
 STA 16+94.00, 6.00' RT  
 RIM=406.80  
 IE=391.30 (8") IN E  
 IE=391.20 (8") OUT W

400 LF 8" PVC S=0.0050

MATCHLINE  
 STA 19+50.00  
 SEE SHEET SS-04

60TH ST NE

HOR: 1"=40'  
 VER: 1"=4'

Drawing: P:\Civil\2022\22-177\_brodie\_plat\Drawings\Construction\C22177C-SS-PR.dwg Plotted: Nov 15, 2022 - 12:46pm

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CITY PROJECT #: PA22-023

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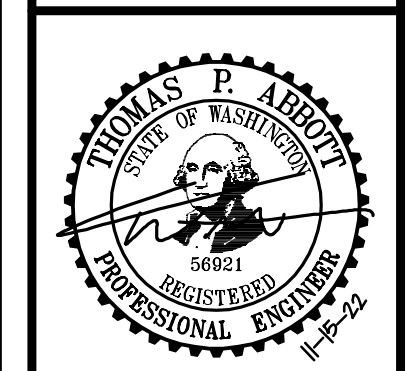
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**LDC** | Surveying Engineering Planning

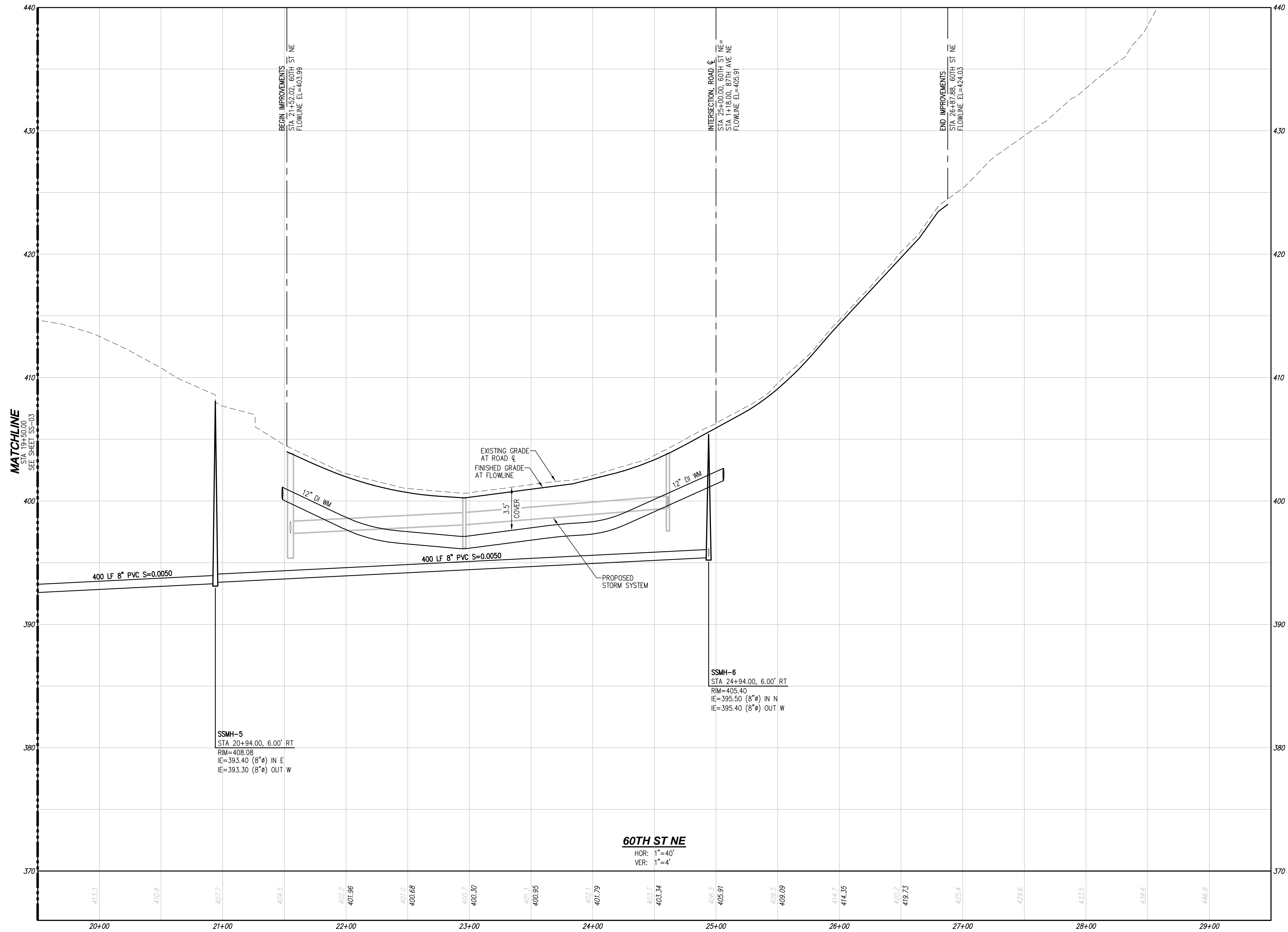
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LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 WATER AND SANITARY SEWER PROFILES



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-SS-PR  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



MATCHLINE  
STA 19+50.00  
SEE SHEET SS-03

SSMH-5  
STA 20+94.00, 6.00' RT  
RIM=408.08  
IE=393.40 (8") IN E  
IE=393.30 (8") OUT W

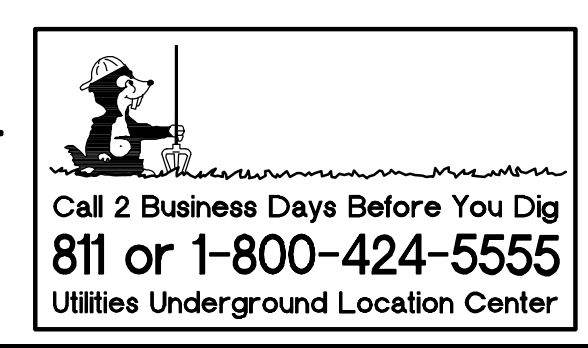
SSMH-6  
STA 24+94.00, 6.00' RT  
RIM=405.40  
IE=395.50 (8") IN N  
IE=395.40 (8") OUT W

60TH ST NE  
HOR: 1"=40'  
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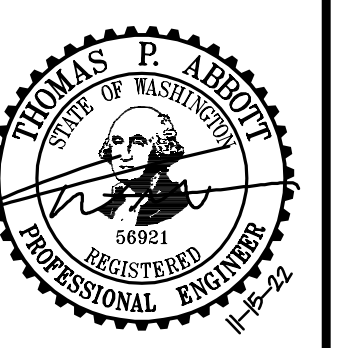


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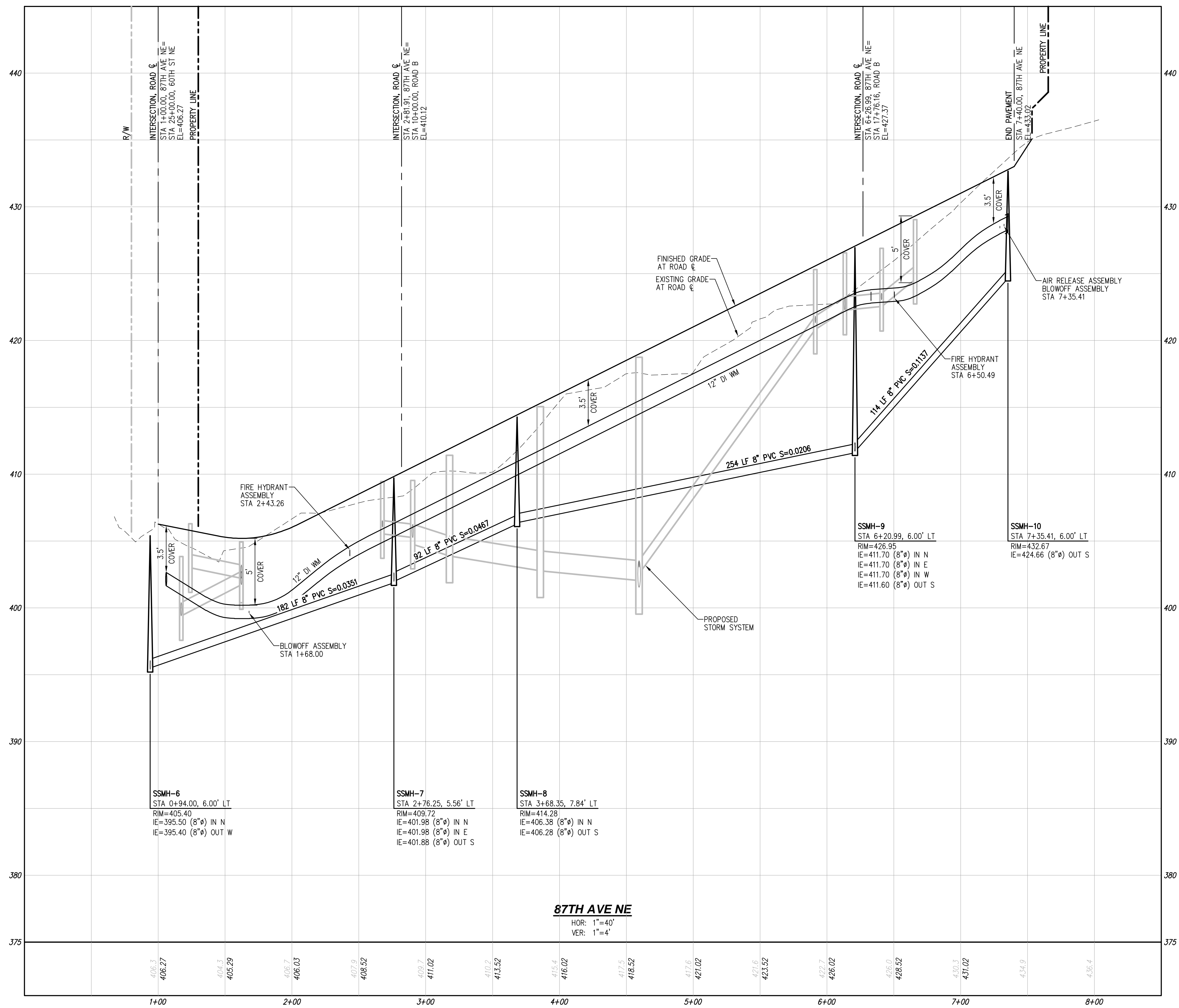


JOB NUMBER: C22-177  
DRAWING NAME: C22177C-SS-PR  
DESIGNER: TPA  
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Drawing: P:\Civil\2022\SS-177 Brodie Plat\Drawings\Construction\C22177C-SS-PR.dwg Plotted: Nov 15, 2022 - 12:46pm



PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**87TH AVE NE**

HOR: 1"=40'  
VER: 1"=4'

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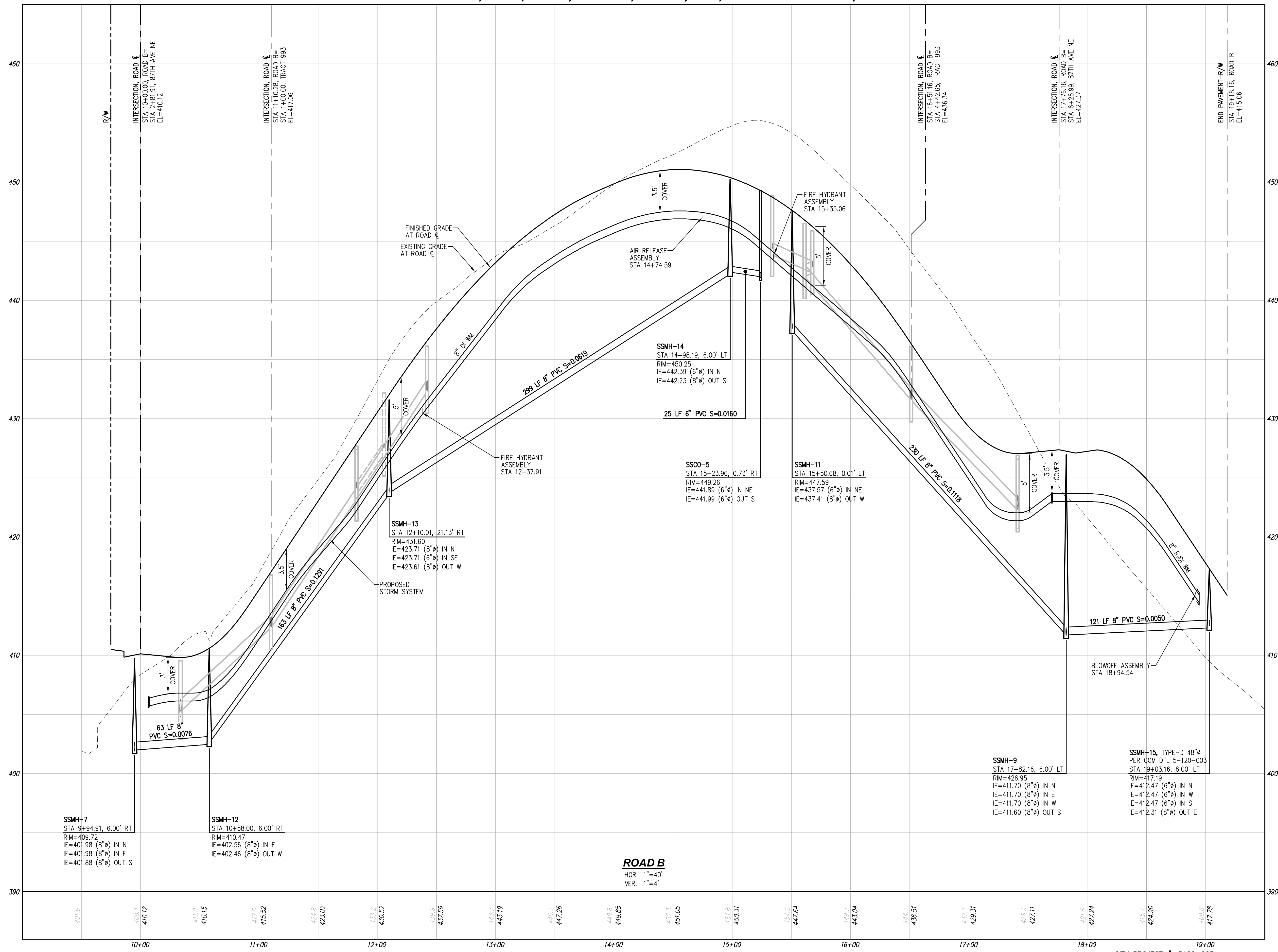
LAND PRO GROUP, INC.  
**BRODIE PLAT**  
WATER AND SANITARY SEWER PROFILES



JOB NUMBER: C22-177  
DRAWING NAME: C22177C-SS-PR  
DESIGNER: TPA  
DRAFTING BY: DPN  
DATE: 11-15-22  
SCALE: 1"=40'  
JURISDICTION: MARYSVILLE

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177C-SS-PR.dwg Plotted: Nov 15, 2022 - 12:46pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**ROAD B**  
 HOR: 1"=40'  
 VER: 1"=4'

CITY PROJECT #: PA22-023

**UTILITY NOTE**  
 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.

**DISCLAIMER**  
 TOPOGRAPHIC SURVEY INFORMATION CONTAINED ON THESE PLANS HAS BEEN PROVIDED BY PACIFIC COAST SURVEYS, INC. LDC, INC. (LAND DEVELOPMENT CONSULTANTS, INC.) ASSUMES NO LIABILITY AS TO THE ACCURACY AND COMPLETENESS OF THIS DATA. ANY DISCREPANCIES FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT IS NOTED IN THE FIELD SHOULD BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

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

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**  
 THIS PLAN SHEET HAS BEEN REVIEWED AND EVALUATED FOR GENERAL COMPLIANCE WITH THE APPLICABLE CITY OF MARYSVILLE CODES AND ORDINANCES. CONFORMANCE OF THIS DESIGN WITH ALL APPLICABLE LAWS AND REGULATIONS IS THE FULL AND COMPLETE RESPONSIBILITY OF THE LICENSED DESIGN ENGINEER, WHOSE STAMP AND SIGNATURE APPEAR ON THIS SHEET. ACKNOWLEDGEMENT OF CONSTRUCTION DRAWING REVIEW DOES NOT IMPLY CITY APPROVAL FOR CONSTRUCTION ACTIVITIES THAT REQUIRE OTHER COUNTY, STATE OR FEDERAL PERMIT REVIEW AND APPROVAL. THE PROPERTY OWNER AND LICENSED DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE ACQUISITION AND COMPLIANCE OF ALL APPLICABLE PERMITS OR AUTHORIZATIONS WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO, WSDWR HYDRAULIC PROJECT APPROVAL (HPS), WSDOE NOTICE OF INTENT (NOI), ANY CORPUS OF ENGINEERS FILL PERMITS AND THE REQUIREMENTS OF THE ENDANGERED SPECIES ACT.  
 THIS DAY OF \_\_\_\_\_  
 BY: \_\_\_\_\_  
 KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER  
 THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

NO.	DATE	DESCRIPTION

**LDC**  
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 Planning  
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 20210 142nd Avenue NE  
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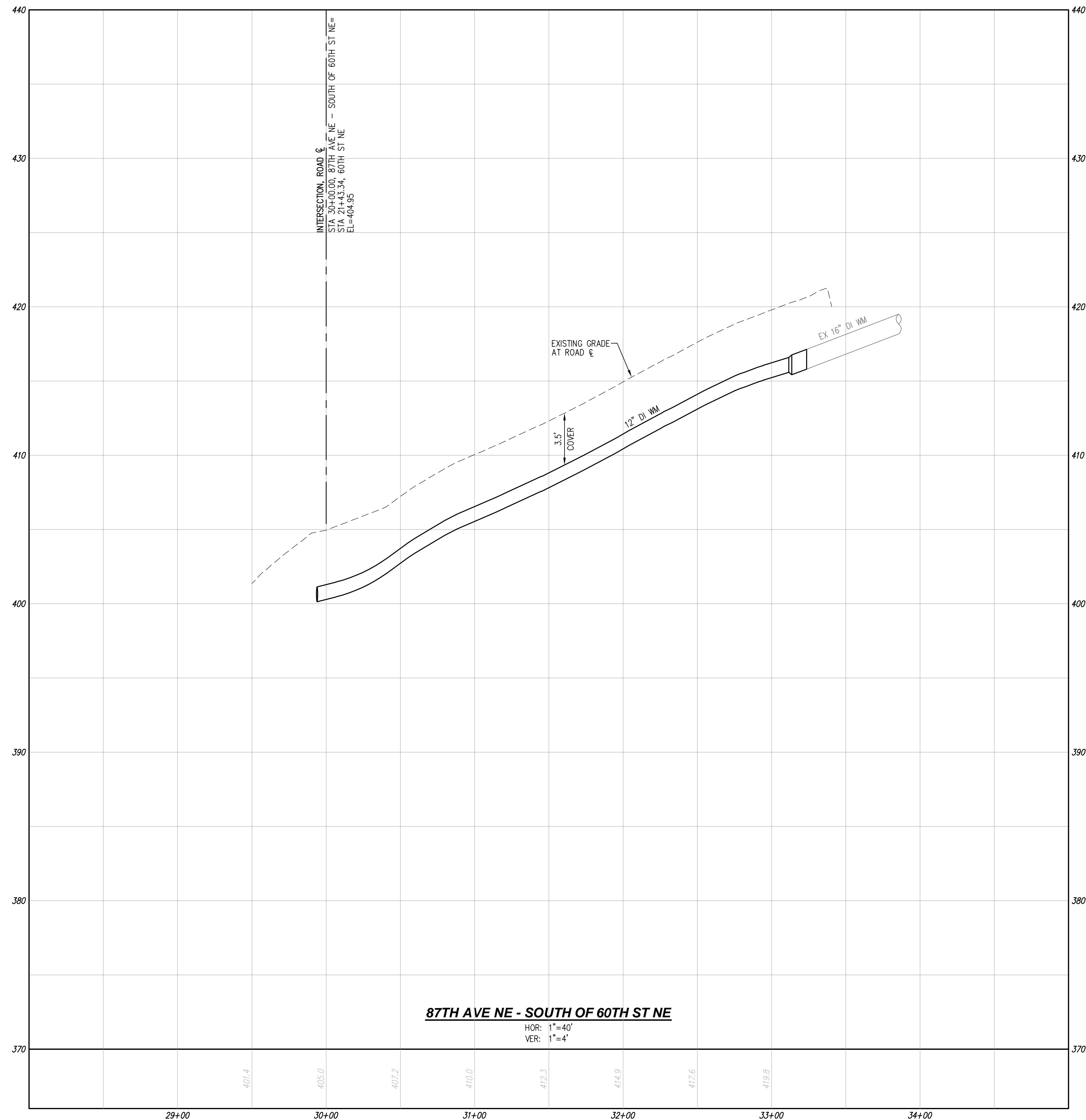
**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
 WATER AND SANITARY SEWER PROFILES

**THOMAS P. ALBERTY**  
 PROFESSIONAL ENGINEER  
 STATE OF WASHINGTON  
 56821

JOB NUMBER: C22-172  
 DRAWING NAME: C22172-SS-PR  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

Drawing: P:\Civil\2022\C22-172\_brodie\_plat\Drawings\Construction\C22172-SS-PR.dwg Plotted: Nov 15, 2022 - 12:46pm

PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



87TH AVE NE - SOUTH OF 60TH ST NE

HOR: 1"=40'  
VER: 1"=4'

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BY: \_\_\_\_\_  
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CITY PROJECT #: PA22-023

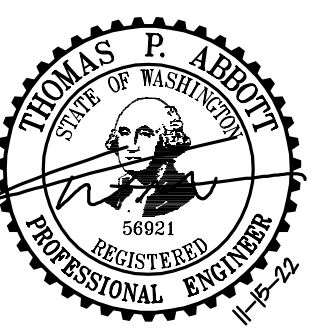
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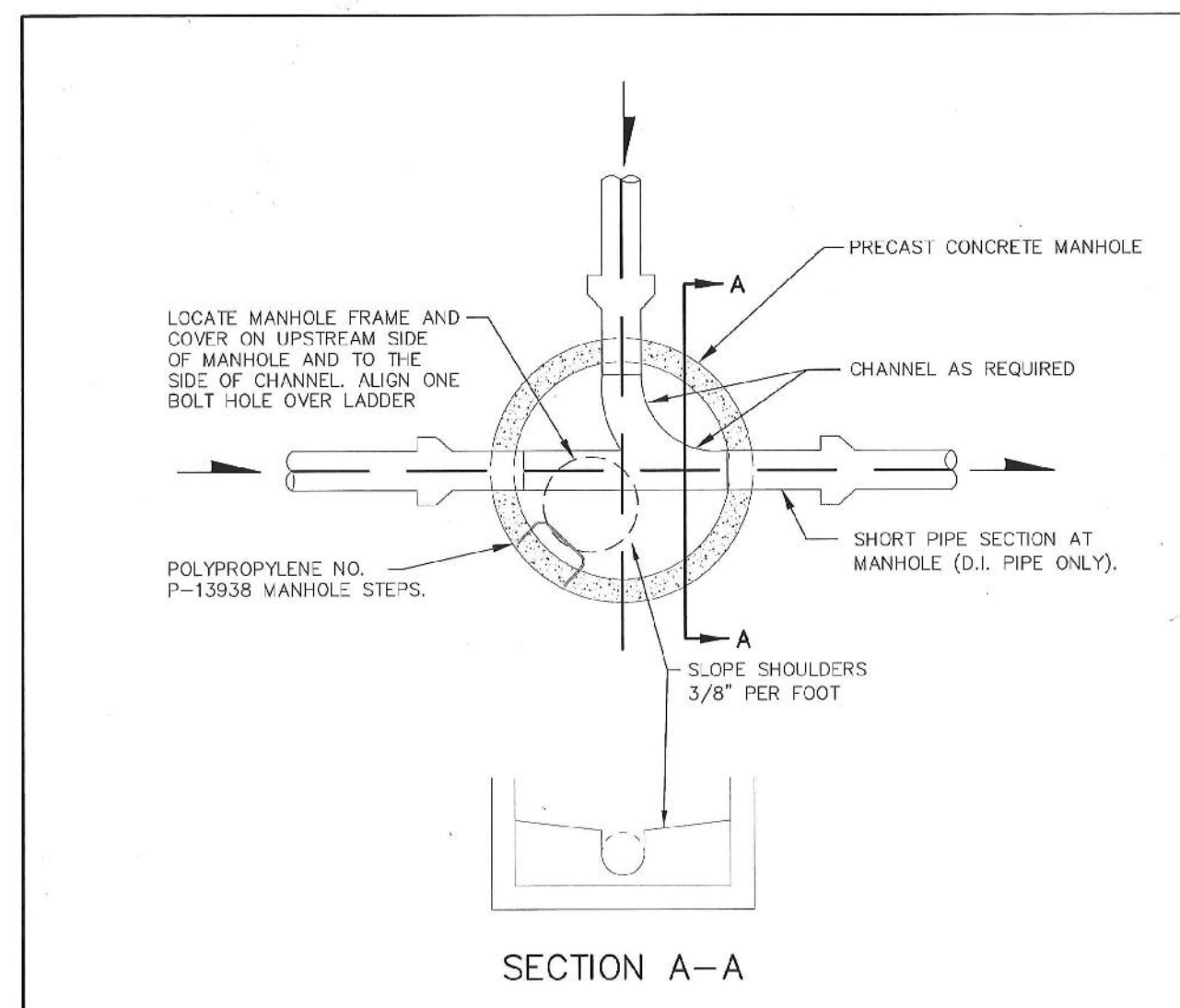


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**SS-07**  
SHEET 35 OF 39

**SANITARY SEWER NOTES**

- ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF MARYSVILLE STANDARDS AND THE MOST RECENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (WSDOT).
- CITY OF MARYSVILLE HORIZONTAL DATUM SHALL BE NAD 83, AND THE VERTICAL DATUM SHALL BE NAVD 88, IN WASHINGTON STATE PLANE COORDINATES (FEET), WASHINGTON NORTH ZONE 4601. A LIST OF BENCHMARKS IS AVAILABLE THROUGH THE PUBLIC WORKS DEPARTMENT.
- ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF MARYSVILLE SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- IF CONSTRUCTION IS TO TAKE PLACE IN THE COUNTY RIGHT-OF-WAY, THE CONTRACTOR SHALL CONTACT THE CITY PUBLIC WORKS DEPARTMENT TO OBTAIN ALL THE REQUIRED APPROVALS AND PERMITS.
- A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY OF MARYSVILLE DEPARTMENT OF PUBLIC WORKS / COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO THE START OF CONSTRUCTION.
- THE CITY OF MARYSVILLE COMMUNITY DEVELOPMENT DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF A TAP OR CONNECTION TO AN EXISTING SANITARY SEWER MAIN. THE INSPECTOR SHALL BE PRESENT AT THE TIME OF THE TAP OR CONNECTION.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
- GRAVITY SEWER MAIN WITH  $\leq 5'$  OF COVER SHALL BE D.I.P. CLASS 52;  $5'-18'$  OF COVER SHALL BE PVC, ASTM D 3034 SDR 35, OR ASTM F 789 WITH JOINTS AND RUBBER GASKETS CONFORMING TO ASTM D 3212 AND ASTM F 477;  $>18'$  COVER SHALL BE D.I.P. CLASS 52, OR C-900.
- PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C 478. MANHOLES SHALL BE TYPE 1-48" MANHOLE UNLESS OTHERWISE SPECIFIED ON THE PLANS. JOINTS SHALL BE RUBBER GASKETED CONFORMING TO ASTM C 443 AND SHALL BE GROUTED FROM THE INSIDE. LIFT HOLES SHALL BE GROUTED FROM THE OUTSIDE AND INSIDE OF THE MANHOLE.
- SIDE SEWER SERVICES SHALL BE PVC, ASTM D 3034 SDR 35 WITH FLEXIBLE GASKETED JOINTS. SIDE SEWER CONNECTIONS SHALL BE MADE BY A TAP TO AN EXISTING MAIN OR A TEE FROM A NEW MAIN CONNECTED ABOVE THE SPRINGLINE OF THE PIPE.
- ALL SEWER MAINS SHALL BE FIELD STAKED FOR GRADES AND ALIGNMENT PRIOR TO CONSTRUCTION BY A LICENSED ENGINEER OR SURVEYING FIRM QUALIFIED TO PERFORM SUCH WORK. PRIOR TO CONSTRUCTING ANY SEWER, THE LOT CORNERS SHALL BE STAKED AND SEWER LINE LOCATION ESTABLISHED BY SURVEY, COST OF WHICH SHALL BE BORNE BY THE DEVELOPER.
- ALL PLASTIC PIPE AND SERVICES SHALL BE INSTALLED WITH CONTINUOUS TRACER TAPE INSTALLED 12" TO 18" UNDER THE PROPOSED FINISHED SUBGRADE. THE MARKER SHALL BE PLASTIC NON-BIODEGRADABLE, METAL CORE OR BACKING MARKED SEWER WHICH CAN BE DETECTED BY A STANDARD METAL DETECTOR.
- EACH SIDE SEWER LATERAL SHALL HAVE A 2" X 4" WOOD "MARKER" AT THE TERMINATION OF THE STUB. THE "MARKER" SHALL EXTEND FROM THE TRENCH TO ABOVE FINISHED GRADE. ABOVE THE GROUND SURFACE, IT SHALL BE PAINTED "GREEN" WITH SEWER AND THE DEPTH, IN FEET, STENCILED IN WHITE LETTERS 2" HIGH.
- SIDE SEWERS SHALL BE INSTALLED BY THE DEVELOPER AND COORDINATED FOR CLEARANCE WITH POWER, TELEPHONE, AND OTHER UTILITIES. ALL SIDE SEWERS TO BE INSTALLED 10 FEET INTO LOT SERVED AND STAKED AND MARKED AS SHOWN ON THESE PLANS.
- PIPE BEDDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD PLAN B-18C CLASS F. PEA GRAVEL IS AN ACCEPTABLE BEDDING MATERIAL. ALL PIPE SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION ACCORDING TO STANDARD SPECIFICATION 7-02.3(1). THIS SHALL INCLUDE NECESSARY LEVELING OF THE TRENCH BOTTOM OR THE TOP OF THE FOUNDATION MATERIALS AS WELL AS PLACEMENT AND COMPACTION OF REQUIRED BEDDING MATERIAL TO UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF THE PIPE WILL BE SUPPORTED ON A UNIFORMLY DENSE UNYIELDING BASE. A 6 FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL SSMHS AND A 3 FOOT SQUARE X 4-INCH THICK CONCRETE PAD SHALL BE INSTALLED AROUND ALL CLEANOUTS THAT ARE NOT IN A PAVEMENT AREA.
- TEMPORARY STREET PATCHING SHALL BE ALLOWED FOR AS APPROVED BY THE CITY ENGINEER. TEMPORARY STREET PATCHING SHALL BE PROVIDED BY PLACEMENT AND COMPACTION OF ATB OR CLASS B ASPHALT CONCRETE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AS REQUIRED.
- EROSION CONTROL MEASURE SHALL BE TAKEN BY THE CONTRACTOR DURING CONSTRUCTION TO PREVENT INFILTRATION AND INFLOW INTO EXISTING AND PROPOSED SANITARY SEWER FACILITIES.
- PROVIDE TRAFFIC CONTROL PLAN(S) IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS REQUIRED.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THESE APPROVED PLANS ON CONSTRUCTION SITE AT ALL TIMES.
- ANY CHANGES TO THE DESIGN SHALL FIRST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER AND THE CITY OF MARYSVILLE.
- ALL LINES SHALL BE CLEANED AND PRESSURE TESTED PRIOR TO PAYING IN CONFORMANCE WITH THE ABOVE REFERENCED SPECIFICATIONS. (SEE NOTE 1.) TESTING OF THE SANITARY SEWER MAIN SHALL INCLUDE TV-ING OF THE MAIN BY THE CONTRACTOR. IMMEDIATELY PRIOR TO TV-ING, ENOUGH WATER SHALL BE RUN DOWN THE LINE SO IT COMES OUT THE LOWER MANHOLE. A COPY OF THE VIDEO TAPE SHALL BE SUBMITTED TO THE CITY OF MARYSVILLE. ACCEPTANCE OF THE LINE WILL BE MADE AFTER THE TAPE HAS BEEN REVIEWED AND APPROVED BY PUBLIC WORKS. A WATER TEST OF ALL MANHOLES IN ACCORDANCE WITH MARYSVILLE STANDARD MAY ALSO BE REQUIRED. TESTING SHALL TAKE PLACE AFTER ALL UNDERGROUND UTILITIES ARE INSTALLED AND COMPACTION OF THE ROADWAY SUBGRADE IS COMPLETED.
- PRIOR TO BACKFILL ALL MAINS AND APPURTENANCES SHALL BE INSPECTED AND APPROVED BY THE CITY OF MARYSVILLE DEPARTMENT OF PUBLIC WORKS. APPROVAL SHALL NOT RELIEVE THE CONTRACTOR FOR CORRECTION OF ANY DEFICIENCIES AND/OR FAILURES AS DETERMINED BY SUBSEQUENT TESTING AND INSPECTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE CITY OF MARYSVILLE FOR THE REQUIRED INSPECTIONS.



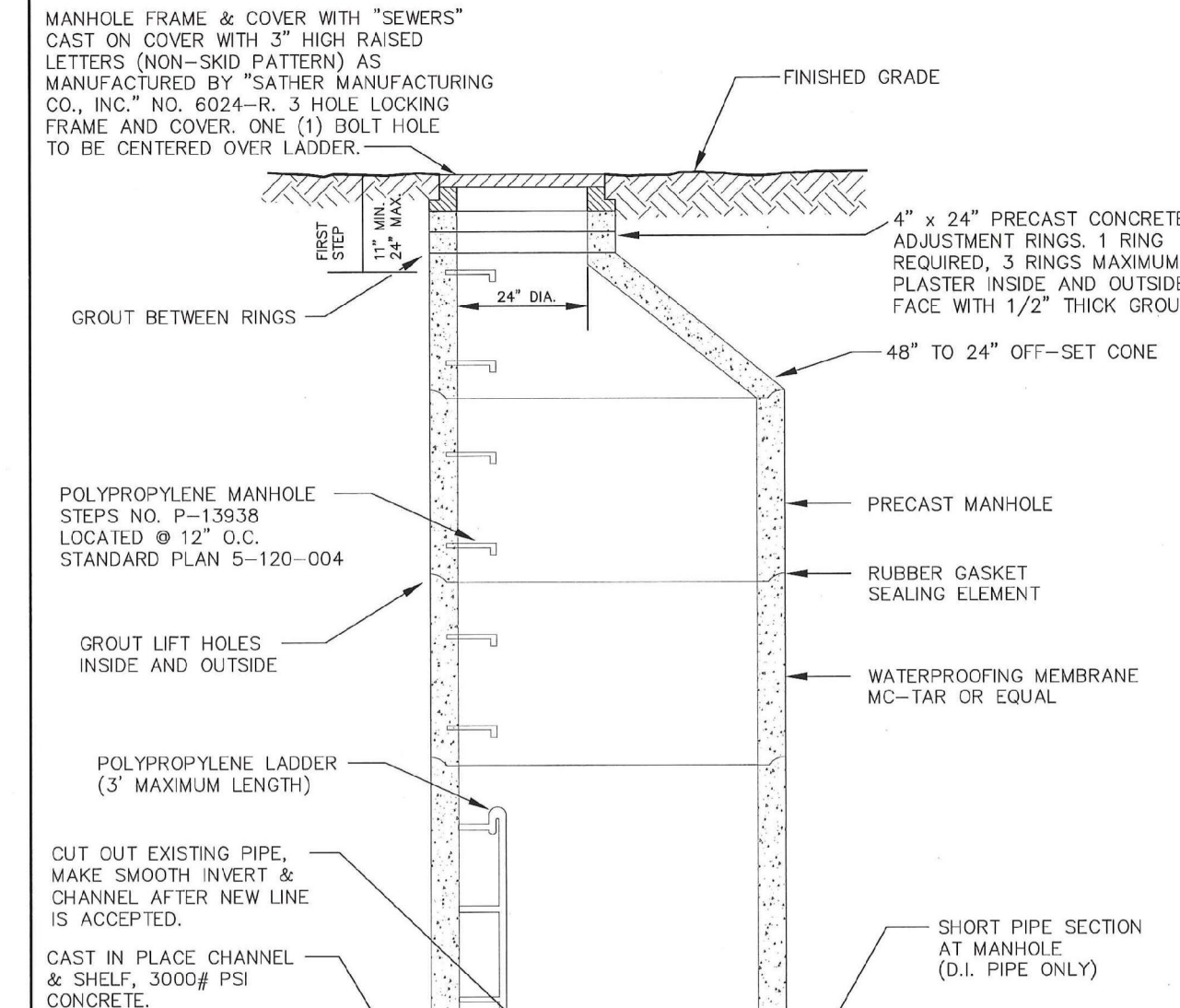
NOTES:  
1. PIPE CONNECTIONS TO MANHOLES SHALL BE AS FOLLOWS:  
PVC PIPE: CAST OR GROUT A MANHOLE COUPLING INTO WALL.  
D.I. PIPE: BELL AND SPIGOT JOINT OR FLEXIBLE COUPLING EITHER SHALL BE 12" MAXIMUM DISTANCE FROM MANHOLE WALL. PVC AND D.I. PIPE, OPTIONAL: CORE THE MANHOLE AND CONNECT SEWER PIPE WITH A WATER TIGHT FLEXIBLE RUBBER BOOT IN MANHOLE WALL, KOR-IN-SEAL BOOT OR EQUAL.

APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**MANHOLE PLAN**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-001



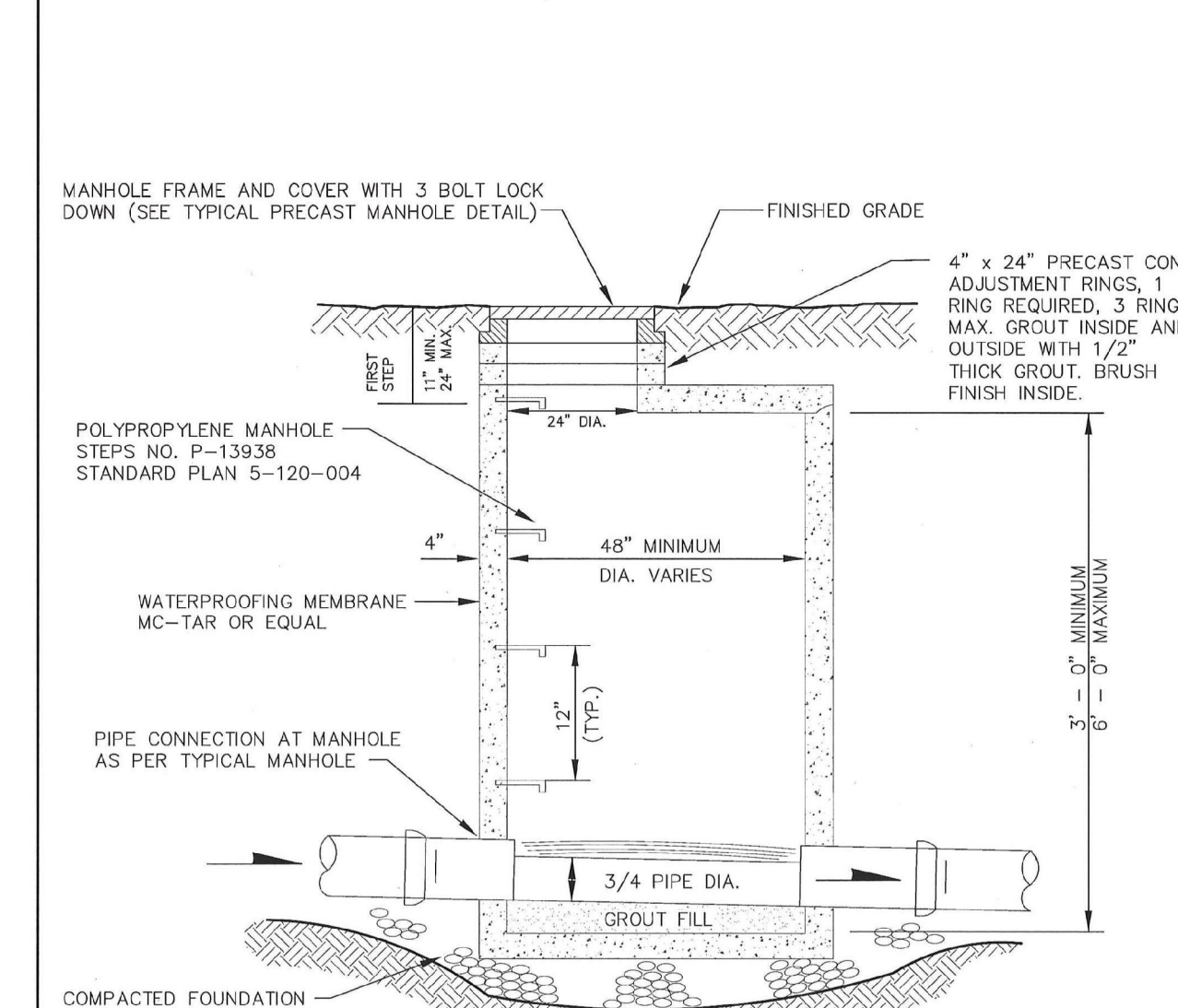
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2. DROP OF GRADE THRU MANHOLE SHALL BE 0.10', UNLESS OTHERWISE APPLICABLE.

APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**TYPE 1 MANHOLE DETAIL**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-002



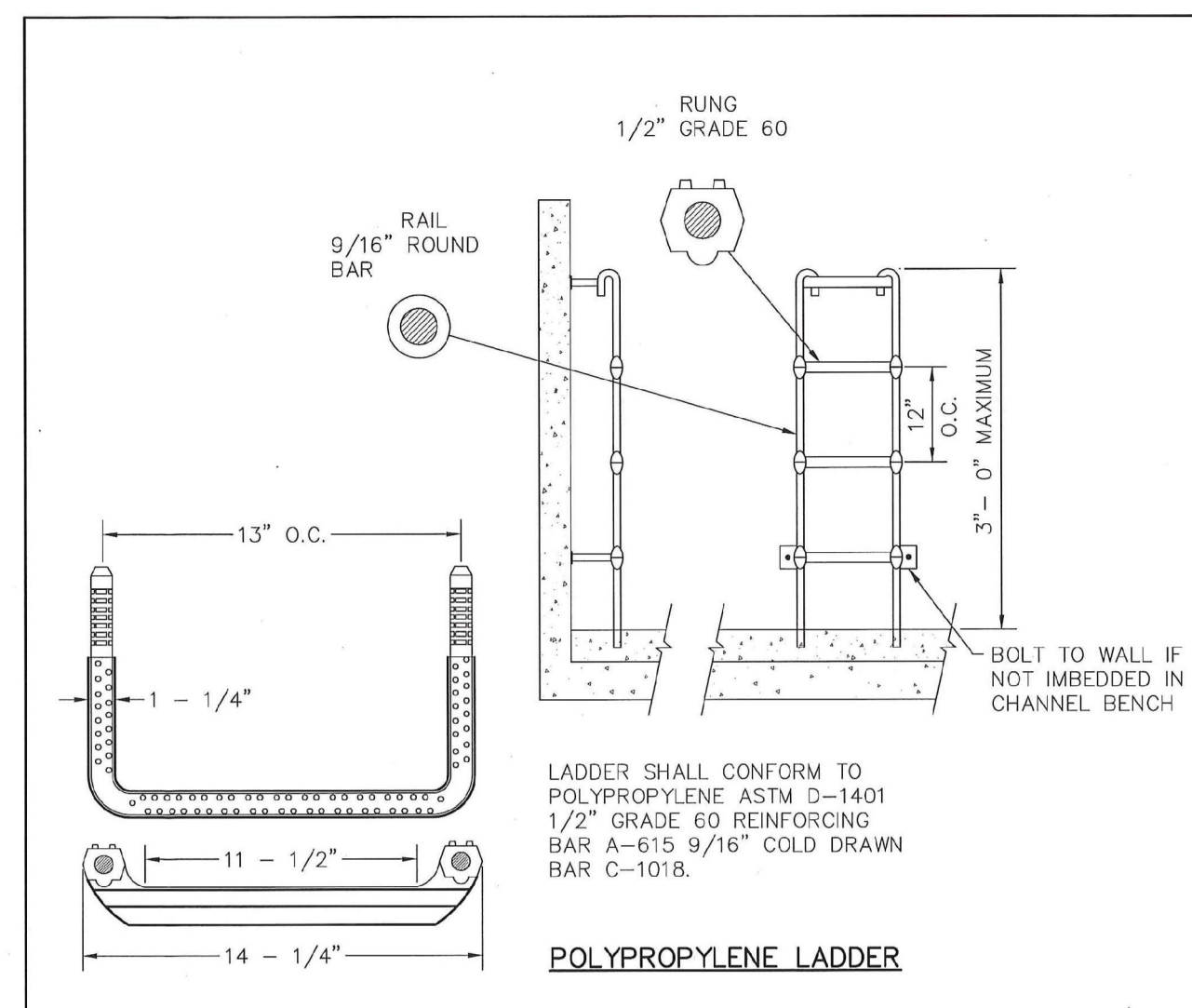
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2. DROP OF GRADE THRU MANHOLE SHALL BE 0.10', UNLESS OTHERWISE APPLICABLE.  
3. GROUT ALL PICK HOLES INSIDE AND OUT.

APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**TYPE 3 MANHOLE DETAIL**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-003



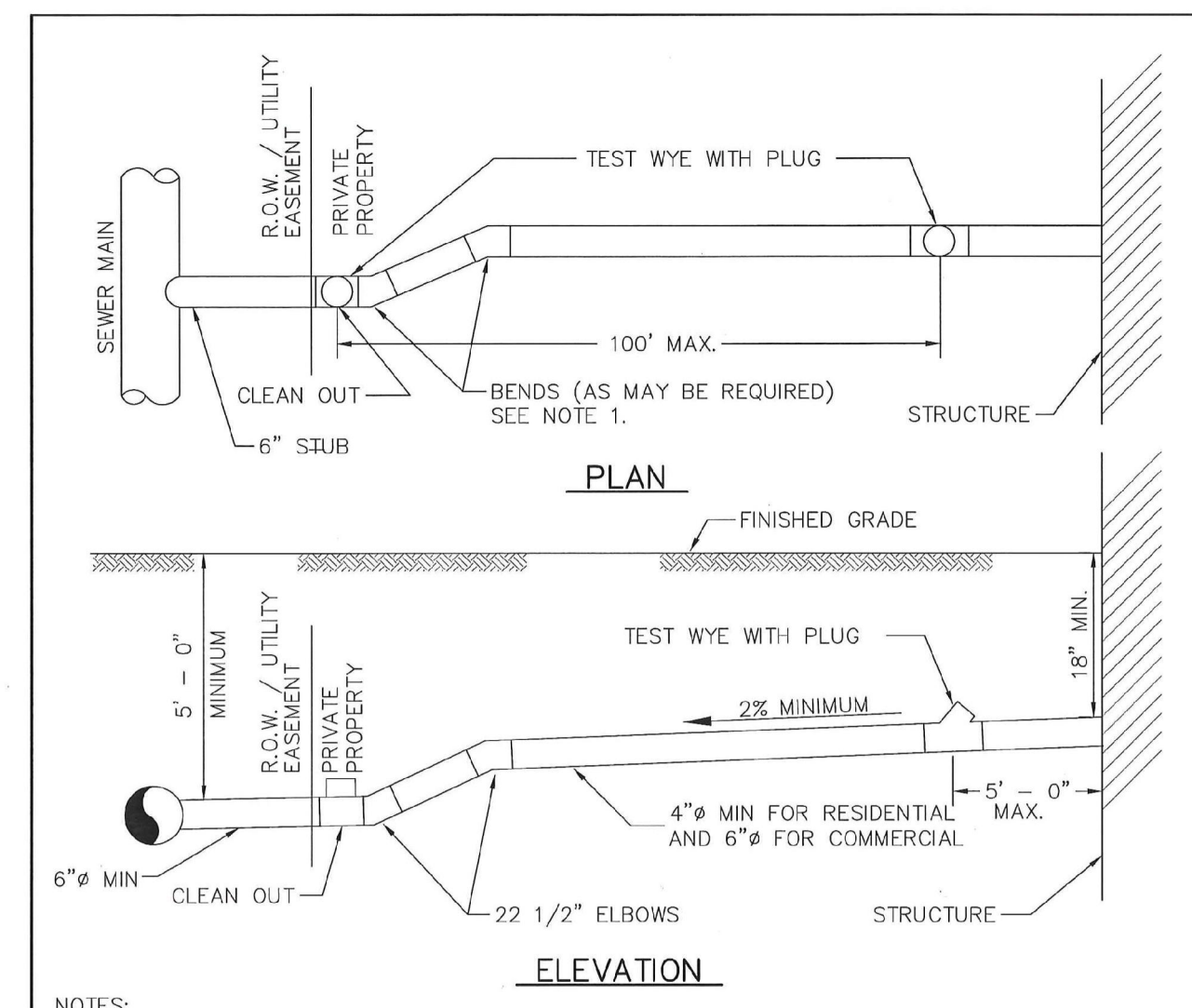
LADDER SHALL CONFORM TO POLYPROPYLENE ASTM D-1401 1/2" GRADE 60 REINFORCING BAR A-615 9/16" COLD DRAWN BAR C-1018.

APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**LADDER DETAIL**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-120-004



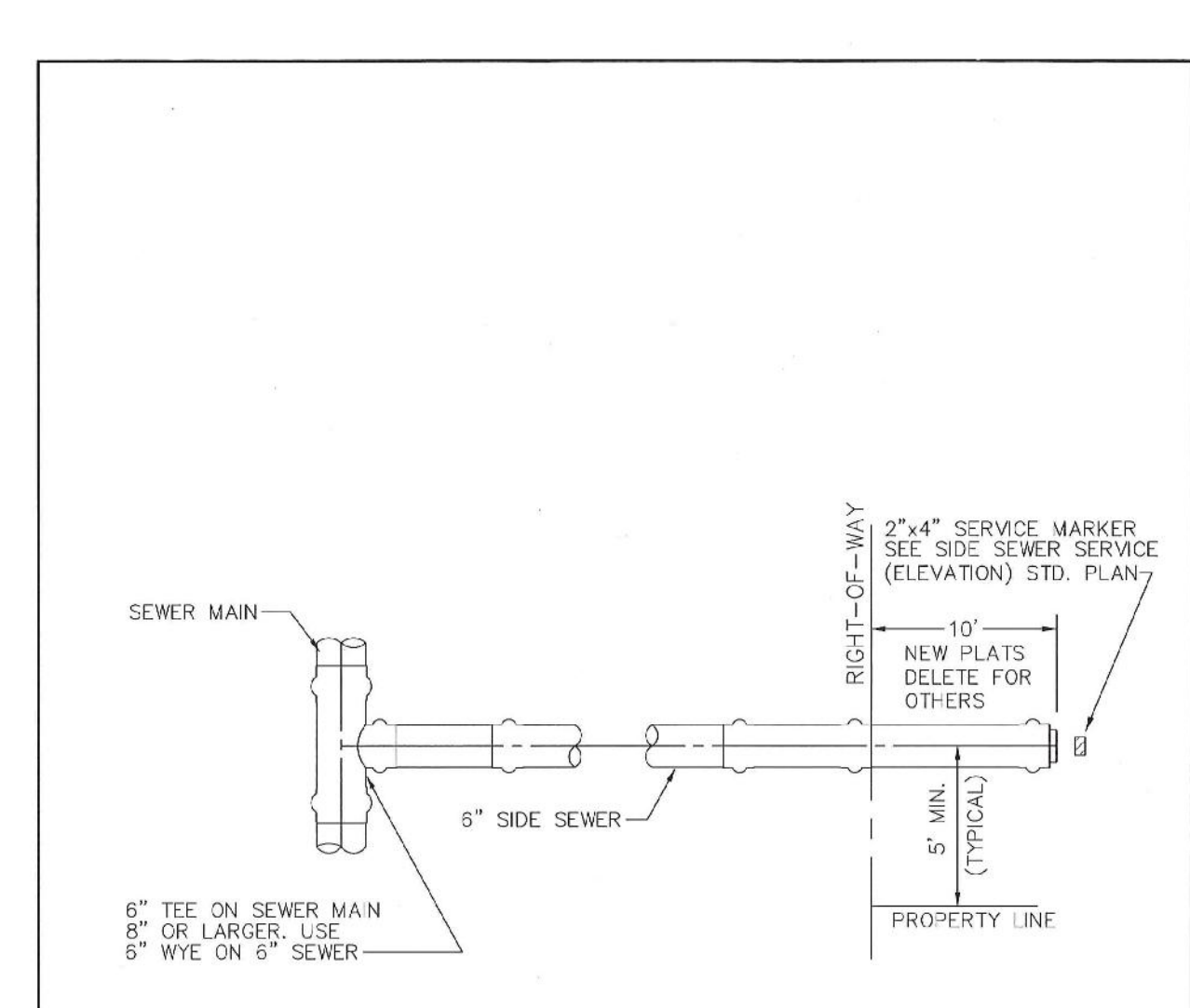
NOTES:  
1. ELBOWS SHALL NOT BE GREATER THAN 45°  
2. CLEAN OUT IS REQUIRED FOR EACH PIPE LENGTH GREATER THAN 100' AND FOR EACH 45° ACCUMULATED ELBOW/100'.  
3. RIGHT-OF-WAY RESTORATION SHALL MATCH OR EXCEED THE ORIGINAL CONDITION.  
4. BACKFILL FOR PAVED AREA SHALL BE 5/8" MINUS CRUSHED SURFACING TOP COURSE, COMPACTED IN 12" LIFTS.  
5. ALL PLUMBING OUTLETS SHALL BE CONNECTED TO THE SEWER. NO DOWNSPOUTS OR STORM DRAINAGE MAY BE CONNECTED TO THE SEWER SYSTEM.  
6. 18" MINIMUM COVERAGE OF PIPE.  
7. 5' MINIMUM COVERAGE AT PROPERTY LINE.  
8. LAY PIPE IN STRAIGHT LINE BETWEEN BENDS. MAKE ALL CHANGES IN GRADE OR LINE WITH AN ELBOW OR WYE. 90° CHANGE WITH AN ELBOW AND WYE.  
9. 6" SEWER PIPE MINIMUM SIZE IN R.O.W. 2% MINIMUM GRADE. 45% MAXIMUM.  
10. 4" SEWER PIPE MINIMUM SIZE ON PRIVATE RESIDENTIAL PROPERTY. 6" SEWER PIPE MIN. SIZE ON COMMERCIAL PROPERTIES. 2% MIN GRADE. 45% MAXIMUM.  
11. CONSTRUCTION IN RIGHT-OF-WAY SHALL BE PERFORMED BY A REGISTERED LICENSED CONTRACTOR.  
12. ALL CONSTRUCTION REQUIRES A PERMIT AND PAYMENT OF FEES. COMPLETE LEGAL DESCRIPTION OF PROPERTY AND DIMENSIONS.  
13. AS-BUILT DRAWING SHOWING LOCATION OF SIDE SEWER IN RELATION TO THE HOUSE IS REQUIRED AFTER INSTALLATION.  
14. MINIMUM OF 12" BETWEEN 45 DEGREE FITTINGS.

APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**TYPICAL SIDE SEWER**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-150-001



APPROVED BY: *[Signature]* DATE: 5/9/07  
MARYSVILLE CITY ENGINEER

**SIDE SEWER SERVICE (PLAN)**

CITY OF MARYSVILLE WASHINGTON

STANDARD PLAN 5-150-002

CITY PROJECT #: PA22-023

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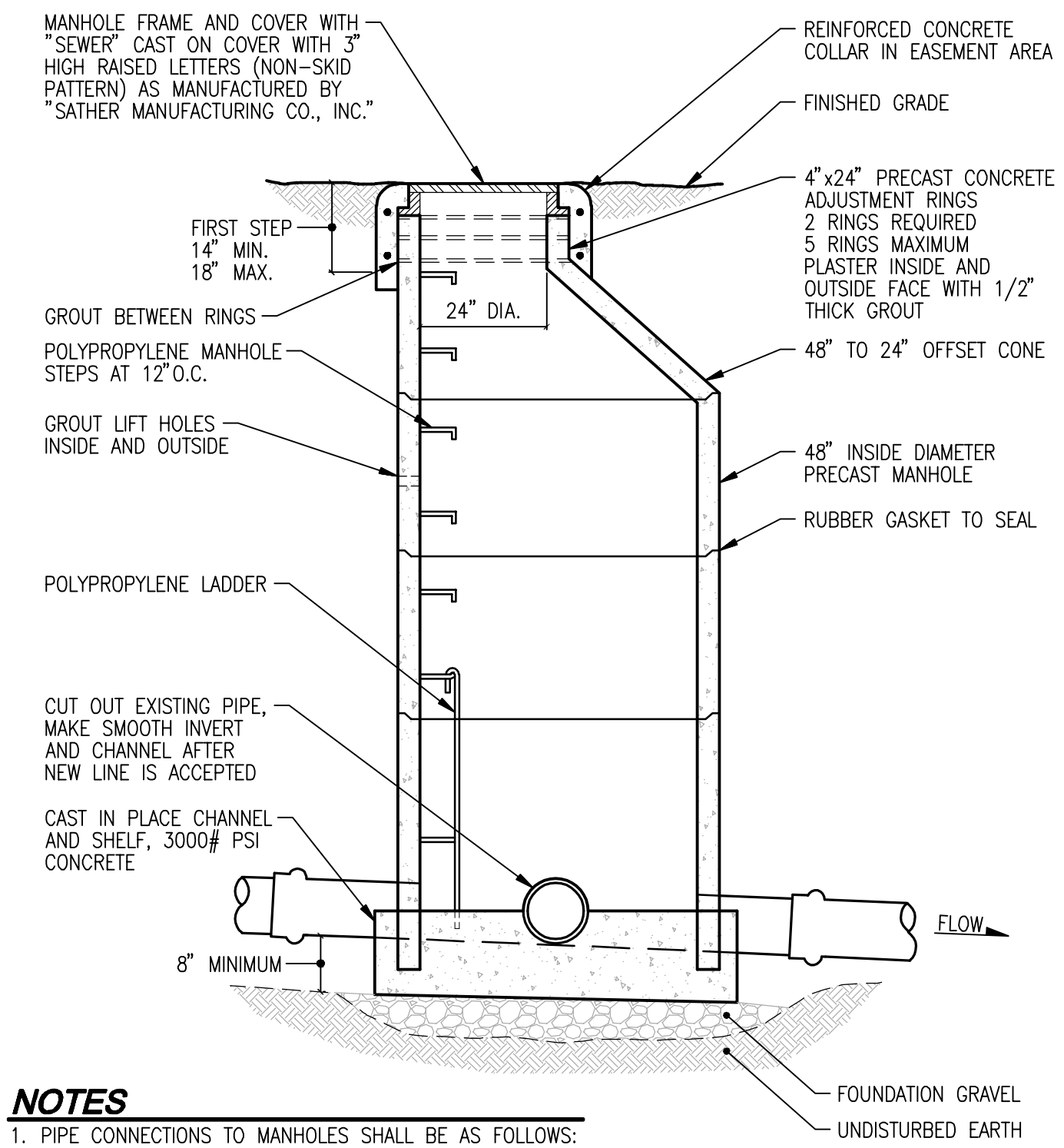
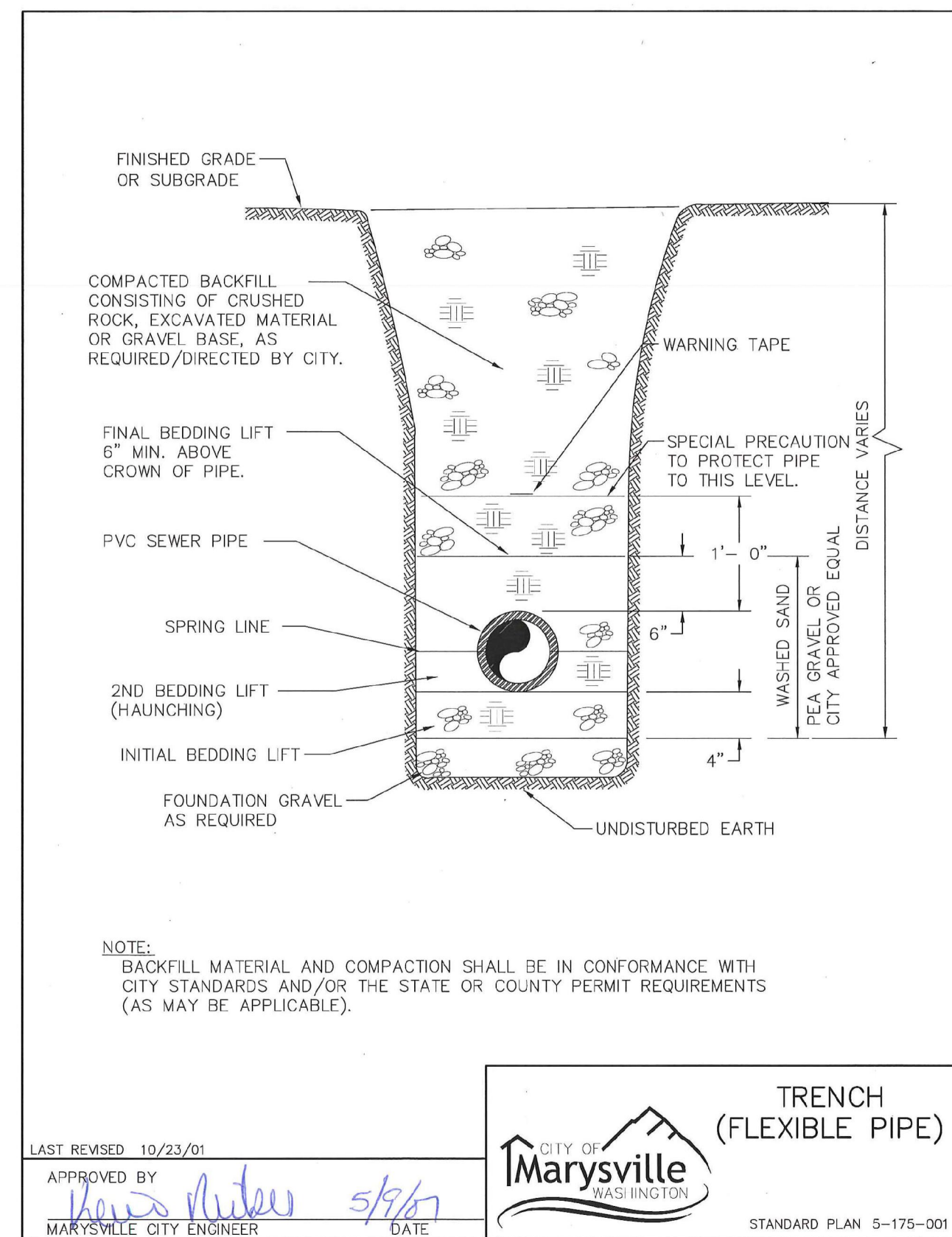
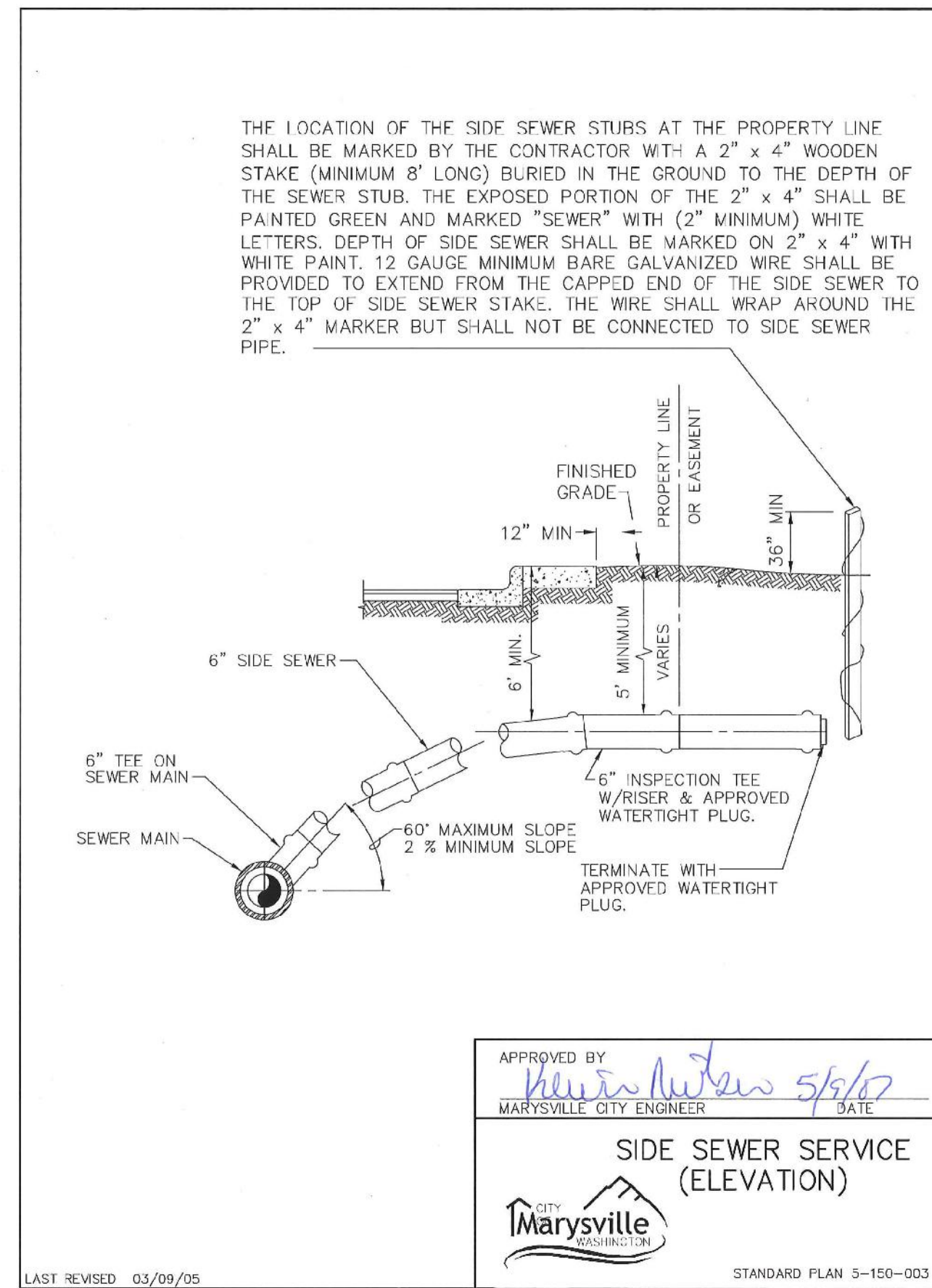
**SANITARY SEWER NOTES AND DETAILS**

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T 425.806.1869

**THOMAS P. BRODIE**  
PROFESSIONAL ENGINEER  
REG. NO. 56921

JOB NUMBER: C22-177  
DRAWING NAME: C22177C-SS-01  
DESIGNER: TPA  
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**SS-08**  
SHEET 36 OF 39



- NOTES**
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**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
 SANITARY SEWER NOTES AND DETAILS

**THOMAS P. ABBOTT**  
 STATE OF WASHINGTON  
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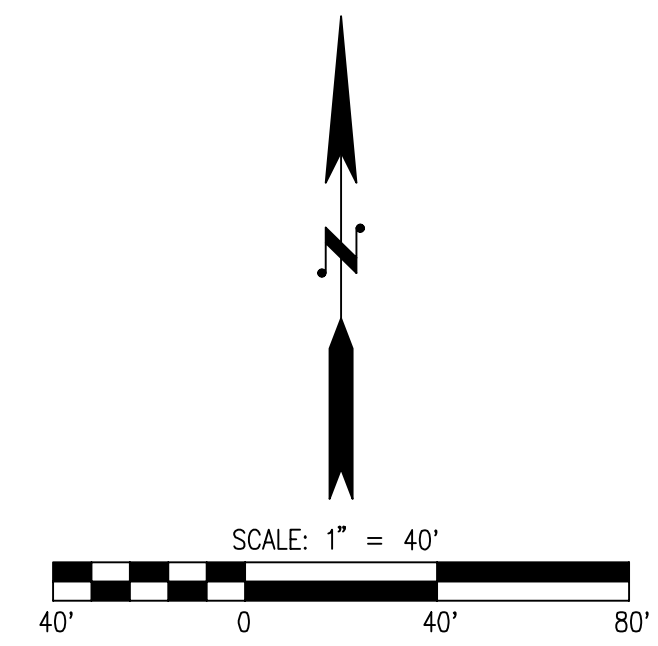
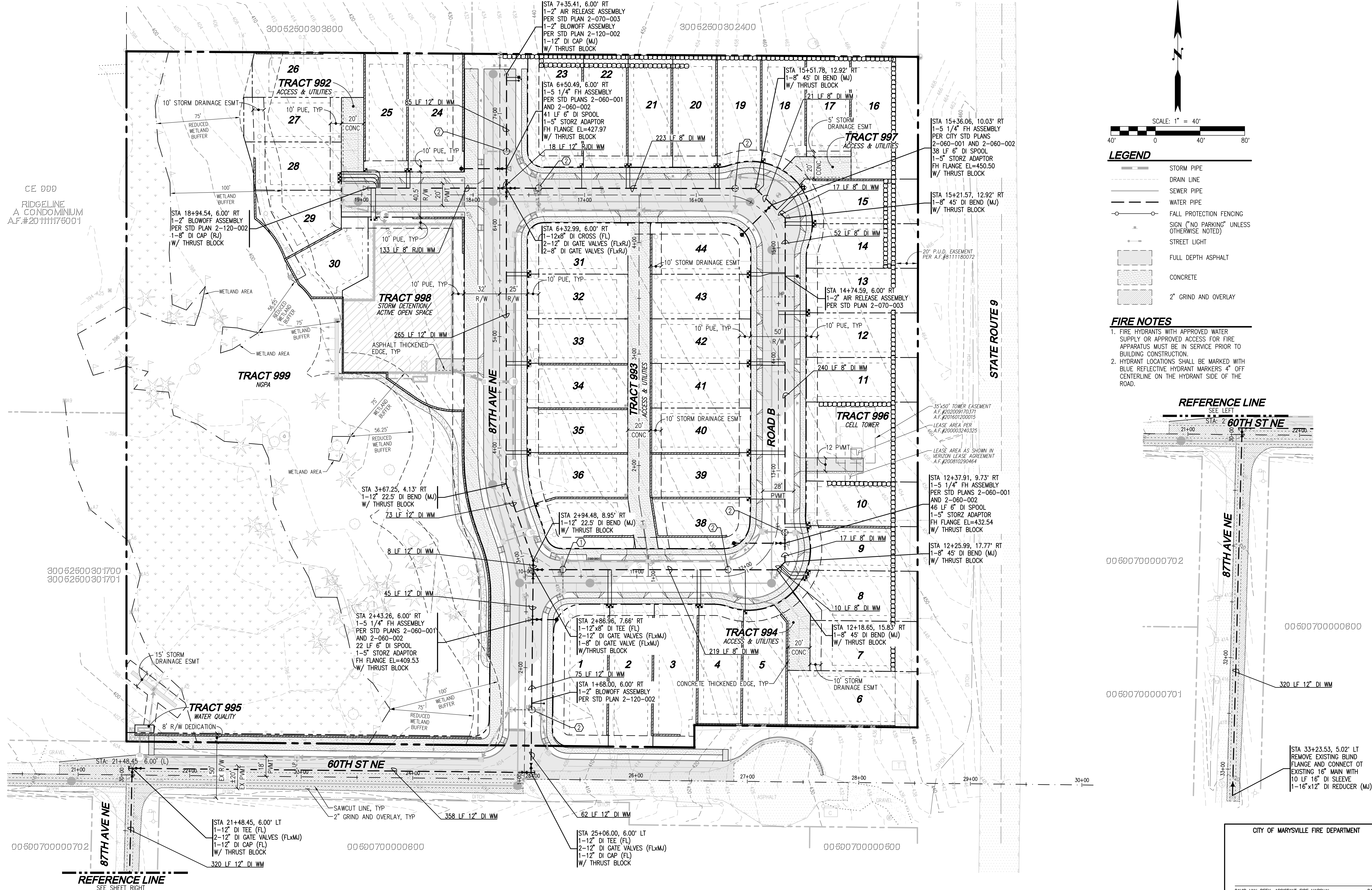
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BY: \_\_\_\_\_  
 KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

THESE APPROVED CONSTRUCTION PLANS EXPIRE AFTER PERIOD OF 60 MONTHS FROM THE DATE SHOWN ABOVE OR UPON EXPIRATION OF PRELIMINARY PLAT OR SITE PLAN APPROVAL, PER MMC 15.09.080.

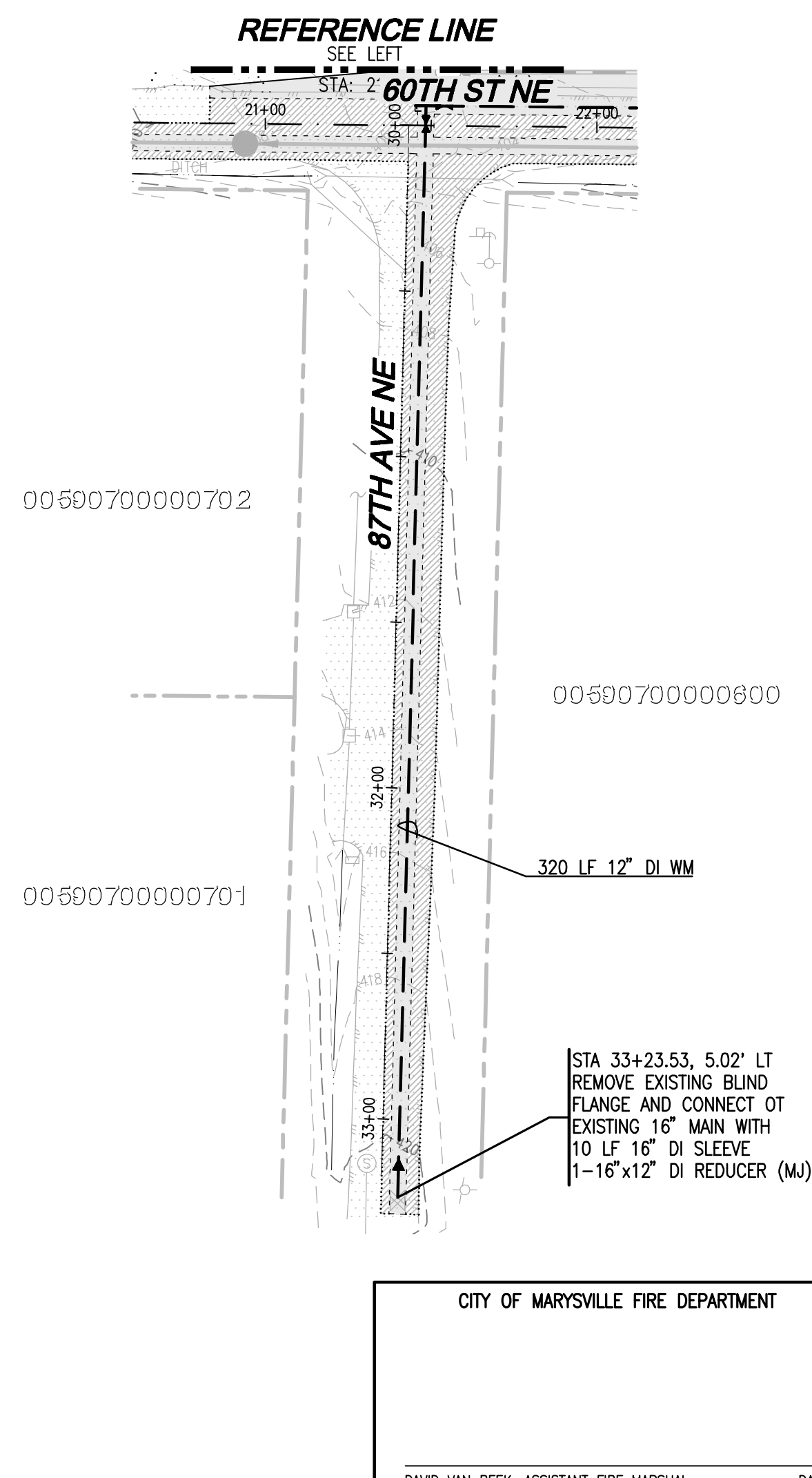
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PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



- LEGEND**
- STORM PIPE
  - DRAIN LINE
  - SEWER PIPE
  - WATER PIPE
  - FALL PROTECTION FENCING
  - SIGN ("NO PARKING" UNLESS OTHERWISE NOTED)
  - STREET LIGHT
  - FULL DEPTH ASPHALT
  - CONCRETE
  - 2" GRIND AND OVERLAY

- FIRE NOTES**
1. FIRE HYDRANTS WITH APPROVED WATER SUPPLY OR APPROVED ACCESS FOR FIRE APPARATUS MUST BE IN SERVICE PRIOR TO BUILDING CONSTRUCTION.
  2. HYDRANT LOCATIONS SHALL BE MARKED WITH BLUE REFLECTIVE HYDRANT MARKERS 4' OFF CENTERLINE ON THE HYDRANT SIDE OF THE ROAD.



- NOTES**
1. 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 START OF CONSTRUCTION.
  2. ALL WATER MAIN PIPES AND APPURTENANCES INSTALLED IN AREAS OF FILL SHALL BE INSTALLED WITH RESTRAINED JOINT FITTINGS.
  3. WATER MAIN AND SERVICES TO HAVE A MINIMUM 10' HORIZONTAL AND 1.5' VERTICAL SEPARATION FROM SEWER MAIN AND SIDE SEWERS.
  4. WATER MAIN TO BE LAID AT 3.5' COVER UNLESS OTHERWISE NOTED BY THE FOLLOWING:
    - ① 3.0' COVER
    - ② 5.0' COVER

**WATER MAIN CONNECTION NOTE**  
 CONTRACTOR SHALL POthOLE EXISTING WATER MAIN PRIOR TO SCHEDULING CONNECTION TO VERIFY WATER MAIN SIZE AND MATERIAL TYPE.

**UTILITY NOTE**  
 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.

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

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

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BY: \_\_\_\_\_  
 KEN MONTREY, P.E., ASSISTANT CITY ENGINEER

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

DATE: \_\_\_\_\_  
 DAVID VAN BEEK, ASSISTANT FIRE MARSHAL

CITY PROJECT #: PA22-023

**LAND PRO GROUP, INC.**  
**BRODIE PLAT**  
 WATER PLAN

**LDC**  
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 Engineering  
 Planning  
 Olympia  
 Woodinville  
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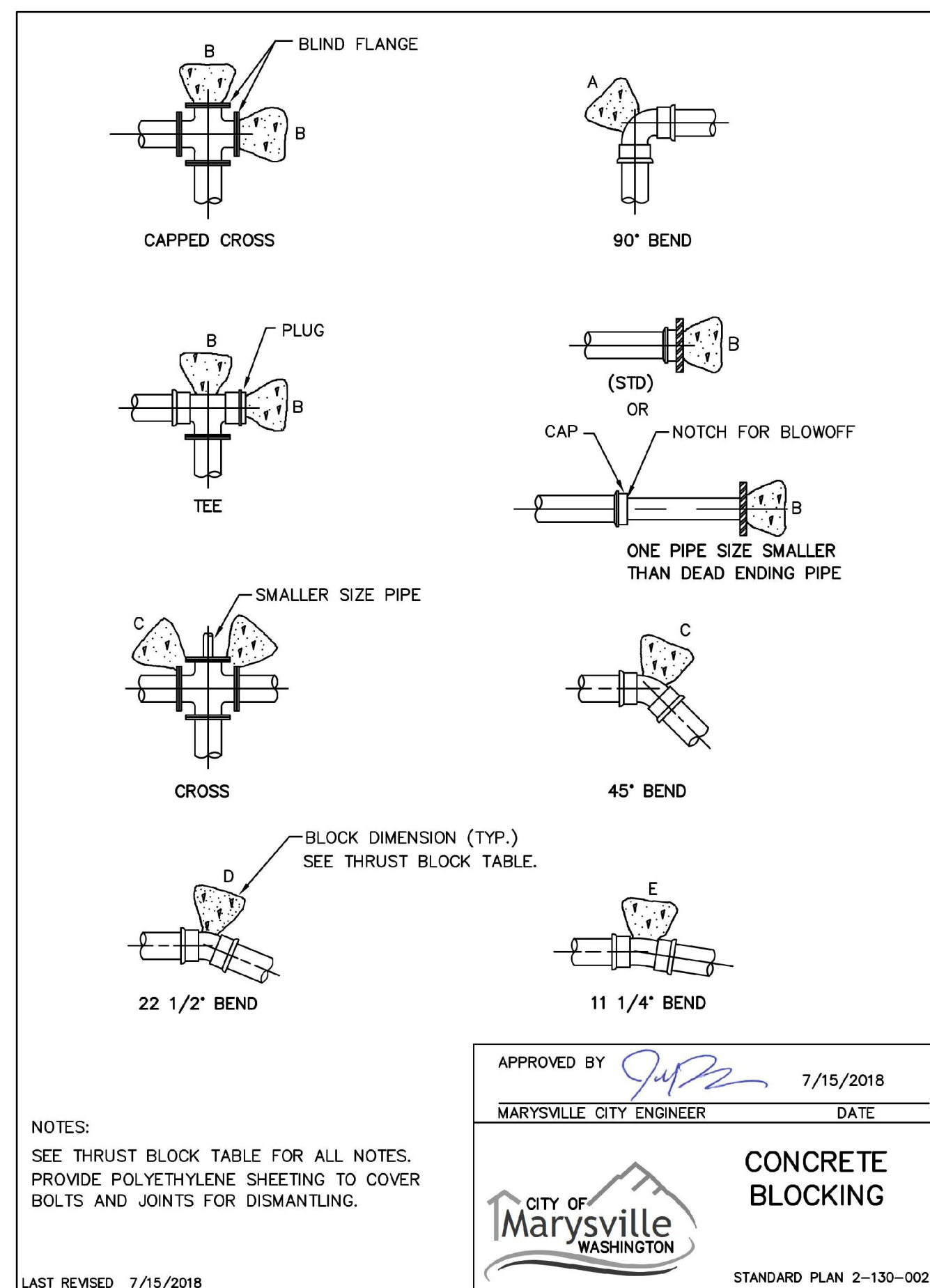
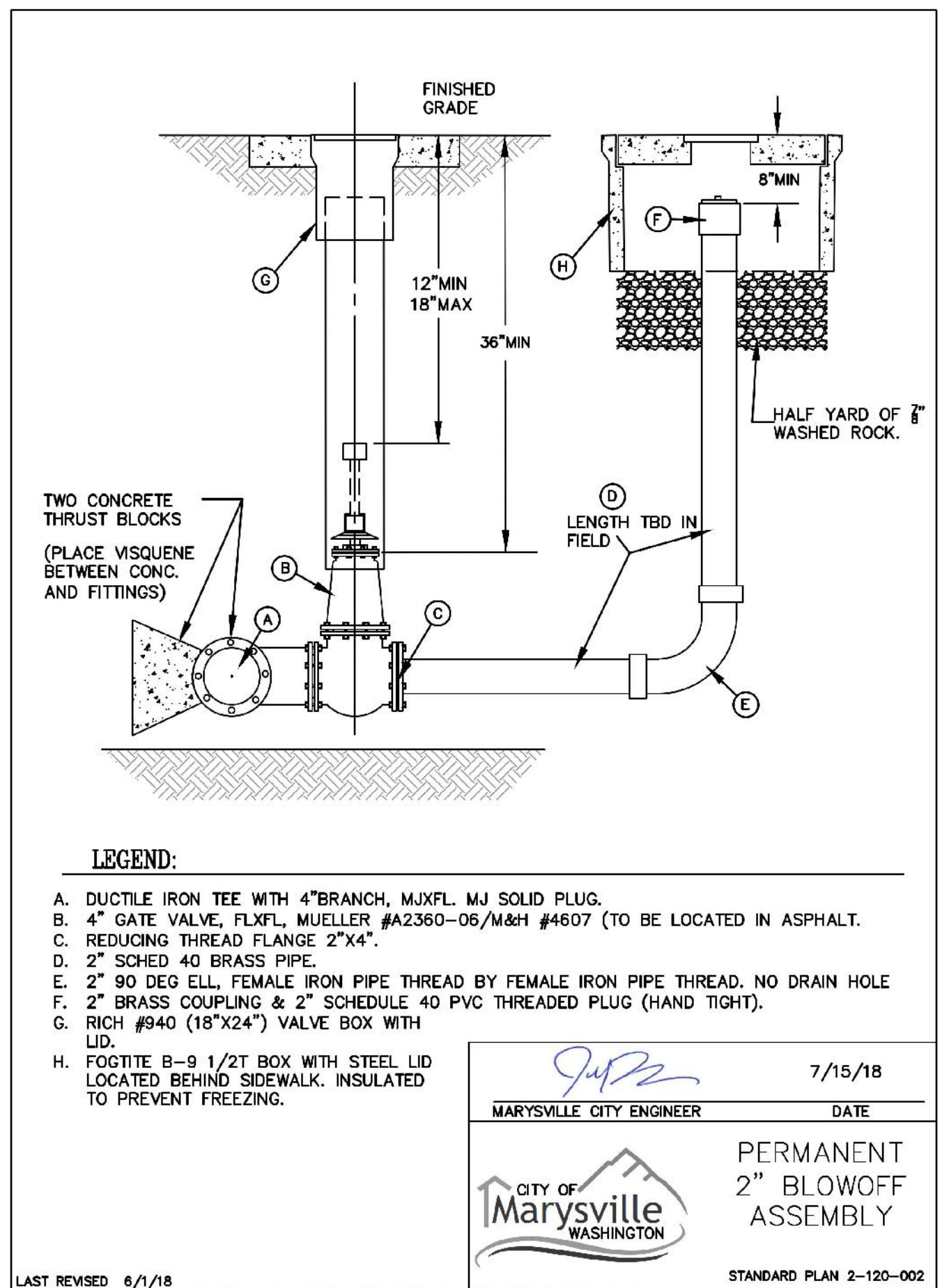
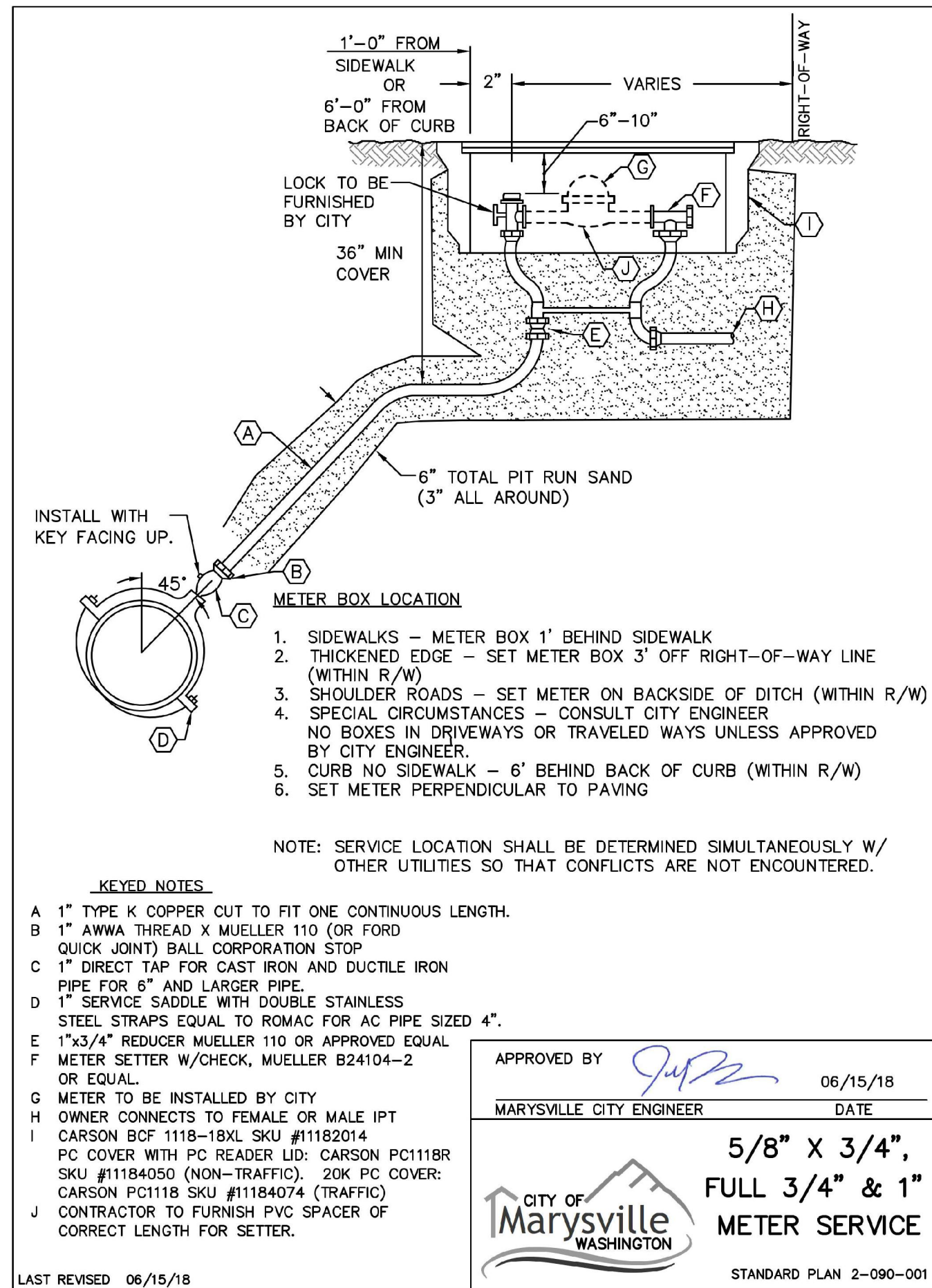
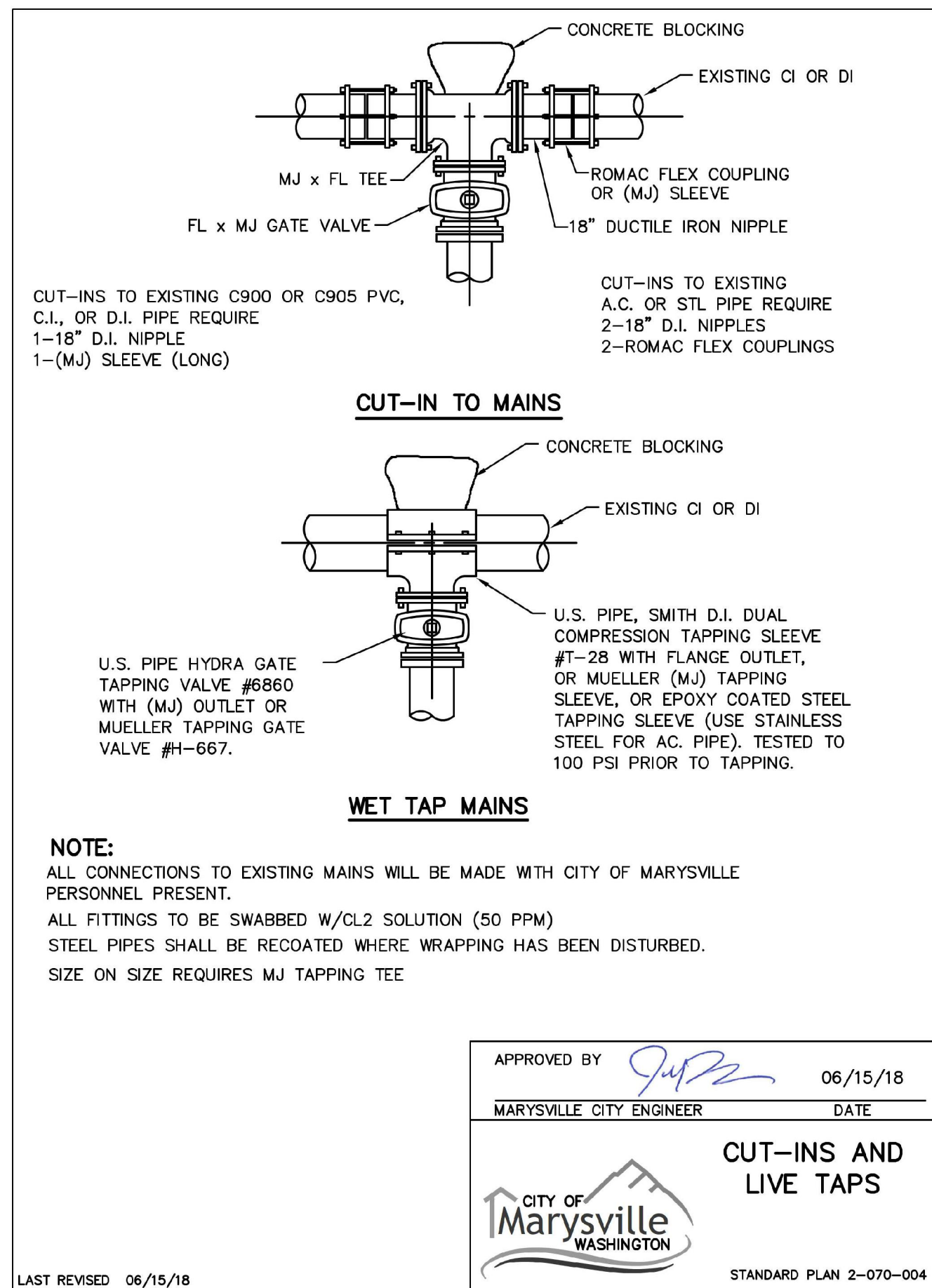
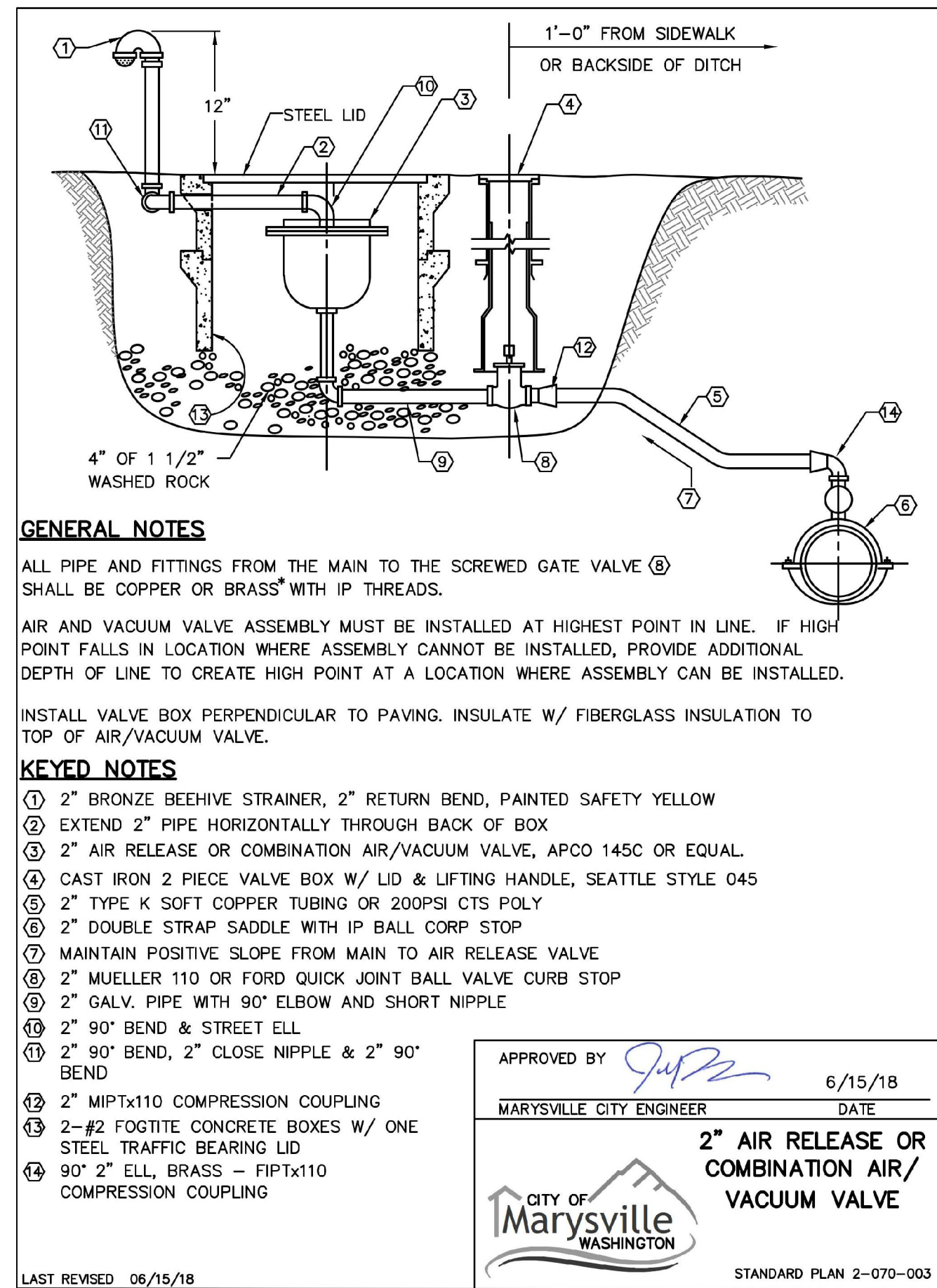
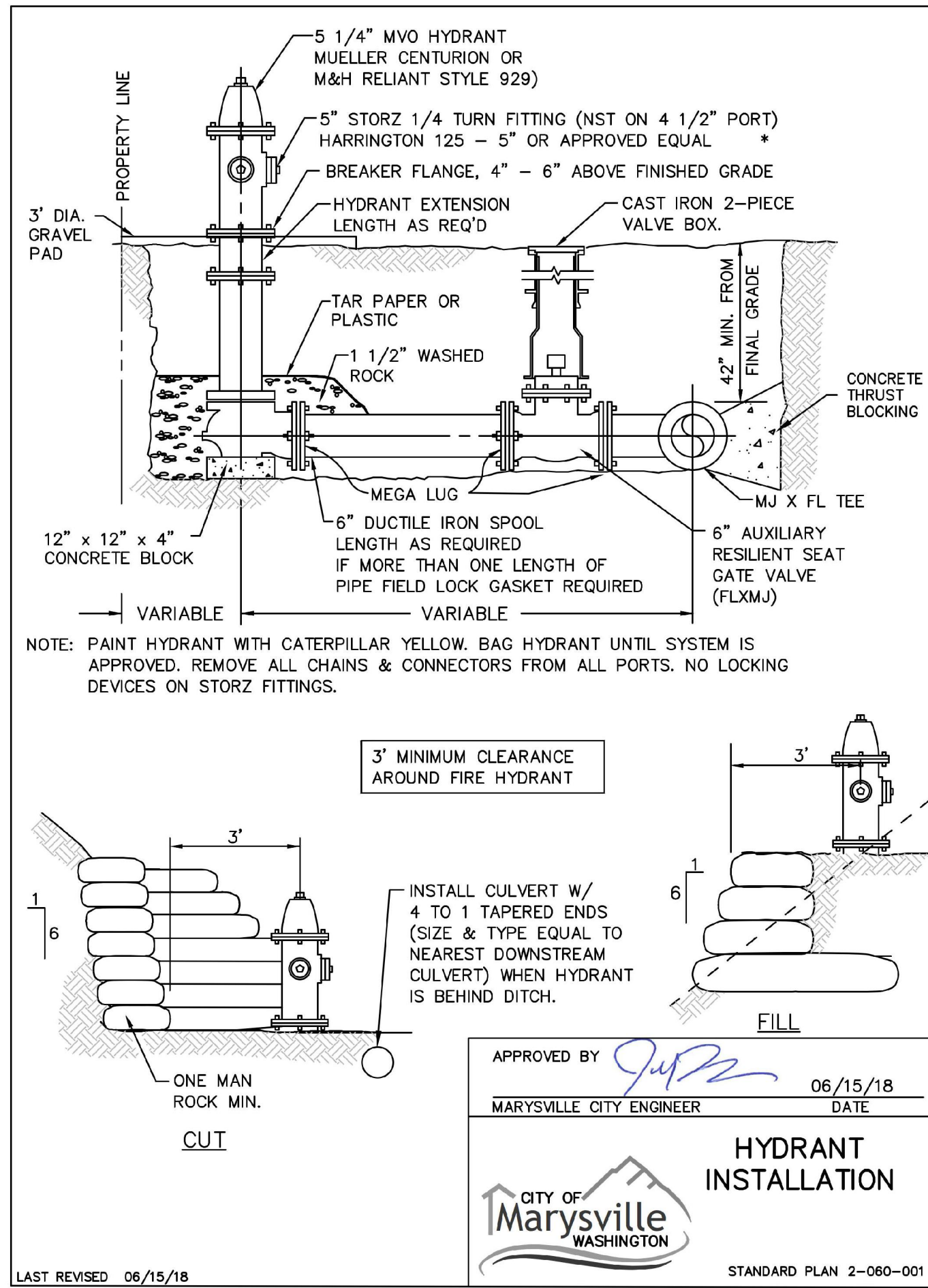
**THOMAS P. ABBOTT**  
 PROFESSIONAL ENGINEER  
 56921

JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-WA-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=40'  
 JURISDICTION: MARYSVILLE

**WA-01**  
 SHEET 38 OF 39

Drawing: P:\Civil\2022\C22-177 Brodie Plat\Drawings\Construction\C22177C-WA-PL.dwg  
 Plotted: Nov 15, 2022 - 12:47pm  
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PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**WATER GENERAL NOTES**

- ALL WORKMANSHIP AND MATERIAL SHALL BE IN ACCORDANCE WITH CITY OF MARYSVILLE STANDARDS AND THE MOST CURRENT COPY OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- A PRECONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE OR HAVE LOCATED BY THE APPROPRIATE COMPANIES ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL UNDERGROUND LOCATE AT 1-800-553-4344 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATIONS.
- WATER PIPE SHALL BE DUCTILE IRON PIPE STANDARD THICKNESS CLASS 52 CEMENT-LINED UNLESS OTHERWISE SPECIFIED AND SHALL CONFORM TO ANSI/AWWA C151/A21.51.
- GATE VALVES SHALL BE RESILIENT WEDGE, NRS (NON RISING STEM) WITH O-RINGS SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT OR ANSI FLANGES. VALVES SHALL CONFORM TO AWWA 509-80. VALVES SHALL BE MUELLER, M & H, CLOW R/W OR WATEROUS SERIES 500.
- FITTINGS SHALL BE DUCTILE IRON SHORT BODY COMPACT CONFORMING TO AWWA C110, C11 AND C153 AND SHALL BE CEMENT-MORTAR LINED CONFORMING TO AWWA C104. THE CITY WILL BE GIVEN 72 HOURS NOTICE PRIOR TO SCHEDULING A SHUTDOWN. WHERE CONNECTIONS REQUIRE "FIELD VERIFICATION", CONNECTION POINTS WILL BE EXPOSED BY CONTRACTOR AND FITTINGS VERIFIED 48 HOURS PRIOR TO DISTRIBUTING SHUT-DOWN NOTICES.
- FIRE HYDRANTS SHALL CONFORM TO AWWA C501 AND SHALL BE OF STANDARD MANUFACTURE AND OF A PATTERN APPROVED BY MARYSVILLE, WITH STORTZ 5" QUARTER TURN FITTING. HYDRANTS SHALL BE M & H RELIANT STYLE 929 OR MUELLER A-423 (MJ). HYDRANTS SHALL BE BAGGED UNTIL SYSTEM IS APPROVED.
- ALL LINES SHALL BE DISINFECTED AND FLUSHED IN CONFORMANCE WITH WSDOT STANDARDS AND SPECIFICATIONS. ALL PIPE SHALL BE TESTED AT 250 PSI. THE CONTRACTOR SHALL FURNISH ALL TEMPORARY PLUGS, TESTING DEVICES, ETC. THE CITY SHALL BE PRESENT FOR ALL TESTING. THE CITY WILL TAKE PURITY TESTS, AND CONNECTION WILL BE AUTHORIZED FOLLOWING PASSING OF THE TESTS. THE CONTRACTOR SHALL NOT OPERATE ANY VALVE OR PART OF THE CITY WATER SYSTEM WITHOUT NOTIFICATION AND SPECIFIC SUPERVISION OF THE CITY UTILITY SUPERINTENDENT. THE CONTRACTOR SHALL MAKE ALL CONNECTIONS TO THE SYSTEM REQUIRED AFTER MAKING ARRANGEMENTS WITH THE CITY IN ADVANCE. WORK AND PROCEDURES SHALL CONFORM TO APWA SEC. 7-09.3(23).
- INSTALLATION OF PIPE, FITTINGS AND VALVES, HYDRANTS, AND APPURTENANCES SHALL CONFORM TO WSDOT STANDARD SPECIFICATIONS. COVER SHALL BE 42 INCHES OVER THE TOP OF PIPE UNLESS OTHERWISE NOTED ON PLANS. IN THE EVENT GRADE REVISION FOLLOWING WATER MAIN CONSTRUCTION RESULTS IN COVER OVER THE WATER MAIN OF LESS THAN 3 FEET OR IN EXCESS OF 5 FEET, THE WATER MAIN SHALL BE RECONSTRUCTED BY THE OWNER TO CONFORM TO THE SPECIFICATIONS OF THE CITY OF MARYSVILLE UNLESS DEPTH HAS BEEN PRE-APPROVED BY THE CITY. ALL ADDED COSTS OF INSPECTING SUCH WATER MAIN RECONSTRUCTION SHALL BE CHARGED TO THE DEVELOPER. PRIOR TO CONSTRUCTION OF ANY WATER MAINS, THE LOT CORNERS SHALL BE STAKED AND WATER MAIN LOCATIONS ESTABLISHED BY SURVEY, COST OF WHICH IS TO BE BORNE BY THE DEVELOPER.
- TO MAINTAIN THE REQUIRED ALIGNMENT, USE SHORT LENGTHS AND DEFLECT THE JOINTS OR USE NECESSARY BENDS.
- BEDDING MATERIAL MEETING THE REQUIREMENTS FOR RIGID PIPE SHALL BE PLACED TO A DEPTH OF 6" UNDER AND AROUND THE PIPE AND TO A DEPTH OF AT LEAST 12 INCHES OVER THE TOP OF THE BEDDING MATERIALS SHALL BE RAMMED AND TAMPED AROUND THE PIPE BY THE USE OF SHOVELS OR OTHER APPROVED HAND-HELD TOOLS SO AS TO PROVIDE FIRM AND UNIFORM SUPPORT OVER THE FULL LENGTH OF ALL PIPE, VALVES, AND FITTINGS. CARE SHALL BE TAKEN TO PREVENT ANY DAMAGE TO THE PIPE OR ITS PROTECTIVE COATING.
- SEPARATION OF WATER AND SEWER MAINS SHALL CONFORM TO W.D.O.E. STANDARDS OR SPECIAL CONSTRUCTION REQUIREMENTS.
- SERVICES, BLOW-OFFS, AND MISCELLANEOUS DETAILS SHALL BE SHOWN ON THE DRAWINGS OR STANDARD PLANS.

**CITY OF MARYSVILLE FIRE DEPARTMENT**

DAVID VAN BEEK, ASSISTANT FIRE MARSHAL DATE

**CITY OF MARYSVILLE CONSTRUCTION DRAWING REVIEW ACKNOWLEDGEMENT**

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BY: KEN MCINTYRE, P.E., ASSISTANT CITY ENGINEER

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NO.	DATE	DESCRIPTION

**LAND PRO GROUP, INC.**

**BRODIE PLAT**

**WATER NOTES AND DETAILS**

**LDC** | Surveying Engineering Planning

Kent Olympia Woodinville Woodville, WA 98072

20210 142nd Avenue NE Woodville, WA 98072

www.LDCcorp.com

T 425.806.1869 F 425.482.2893

**THOMAS P. BRODIE**

PROFESSIONAL ENGINEER

NO. 56921

STATE OF WASHINGTON

JOB NUMBER: C22-177

DRAWING NAME: C22176-WA-01

DESIGNER: TPA

DRAFTING BY: DPN

DATE: 11-15-22

SCALE: AS NOTED

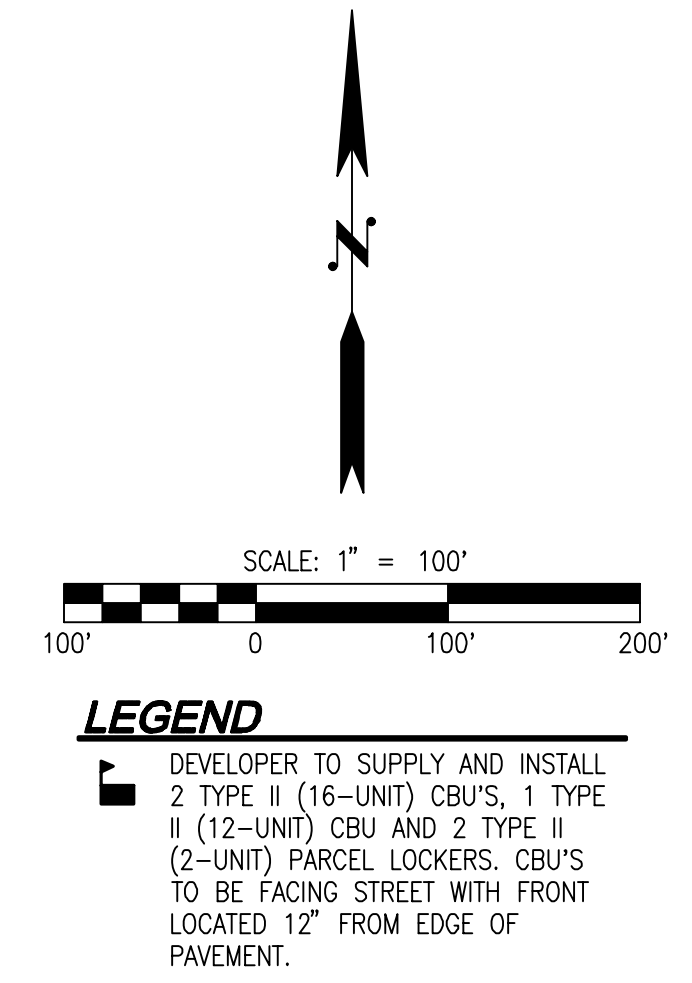
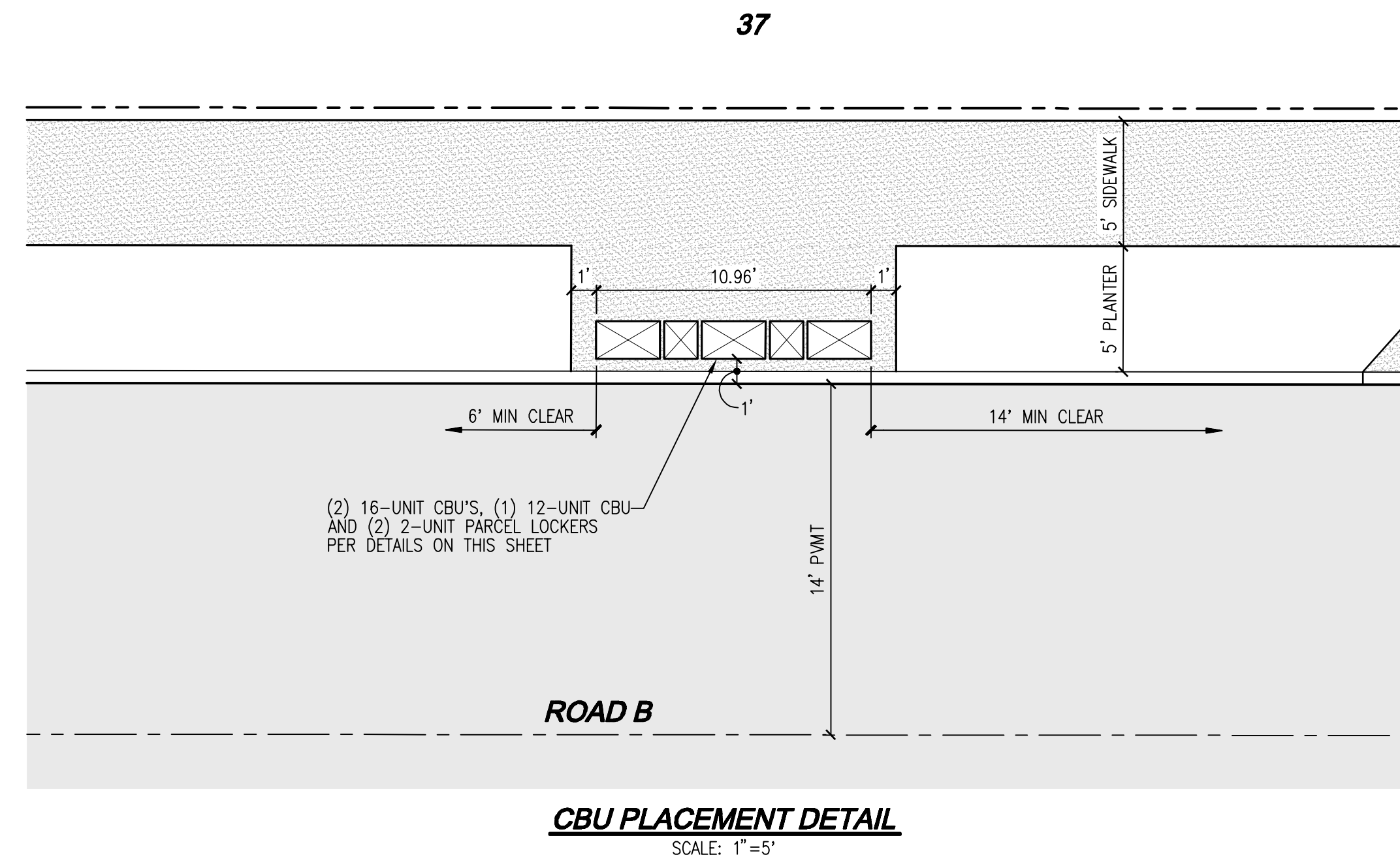
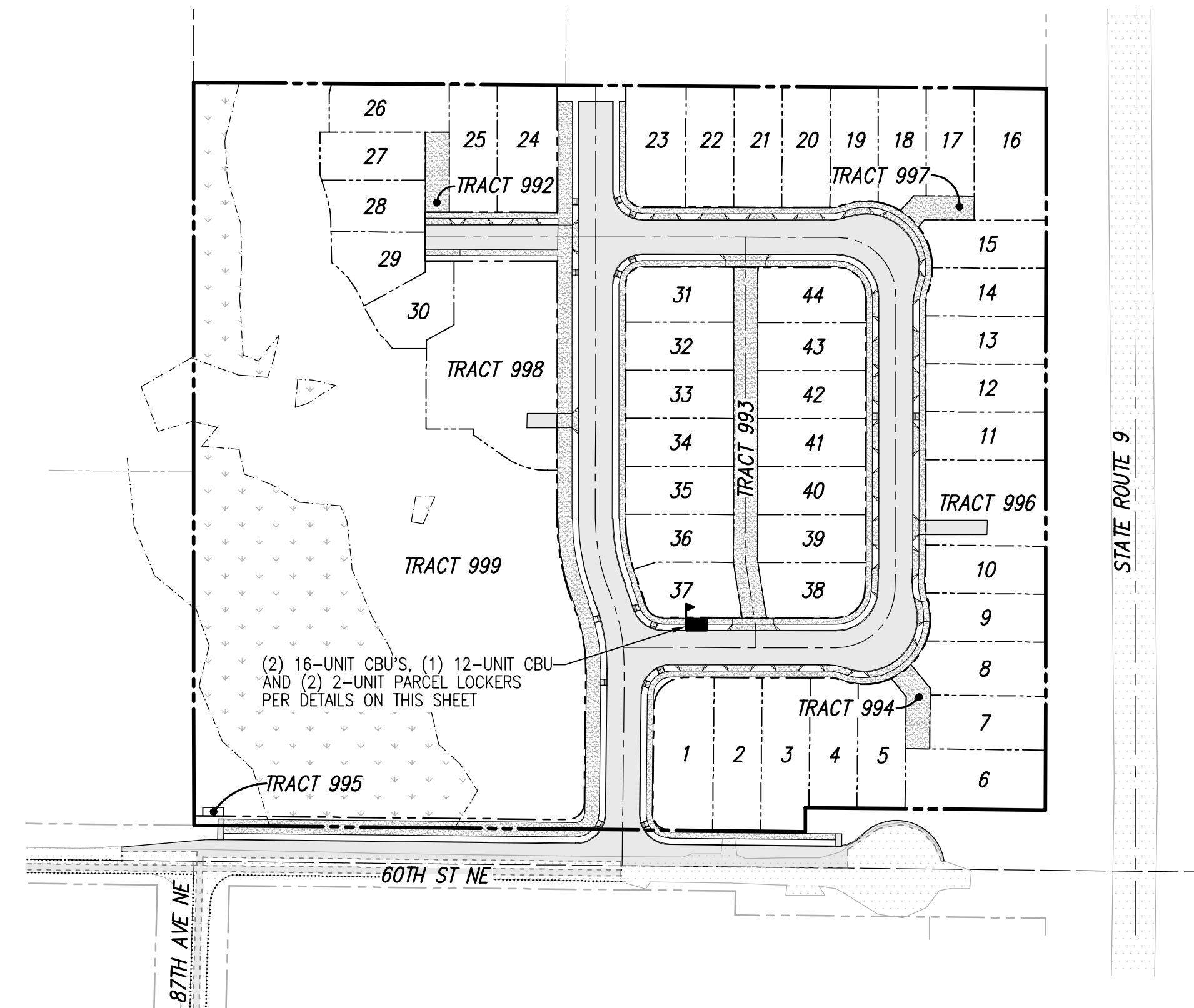
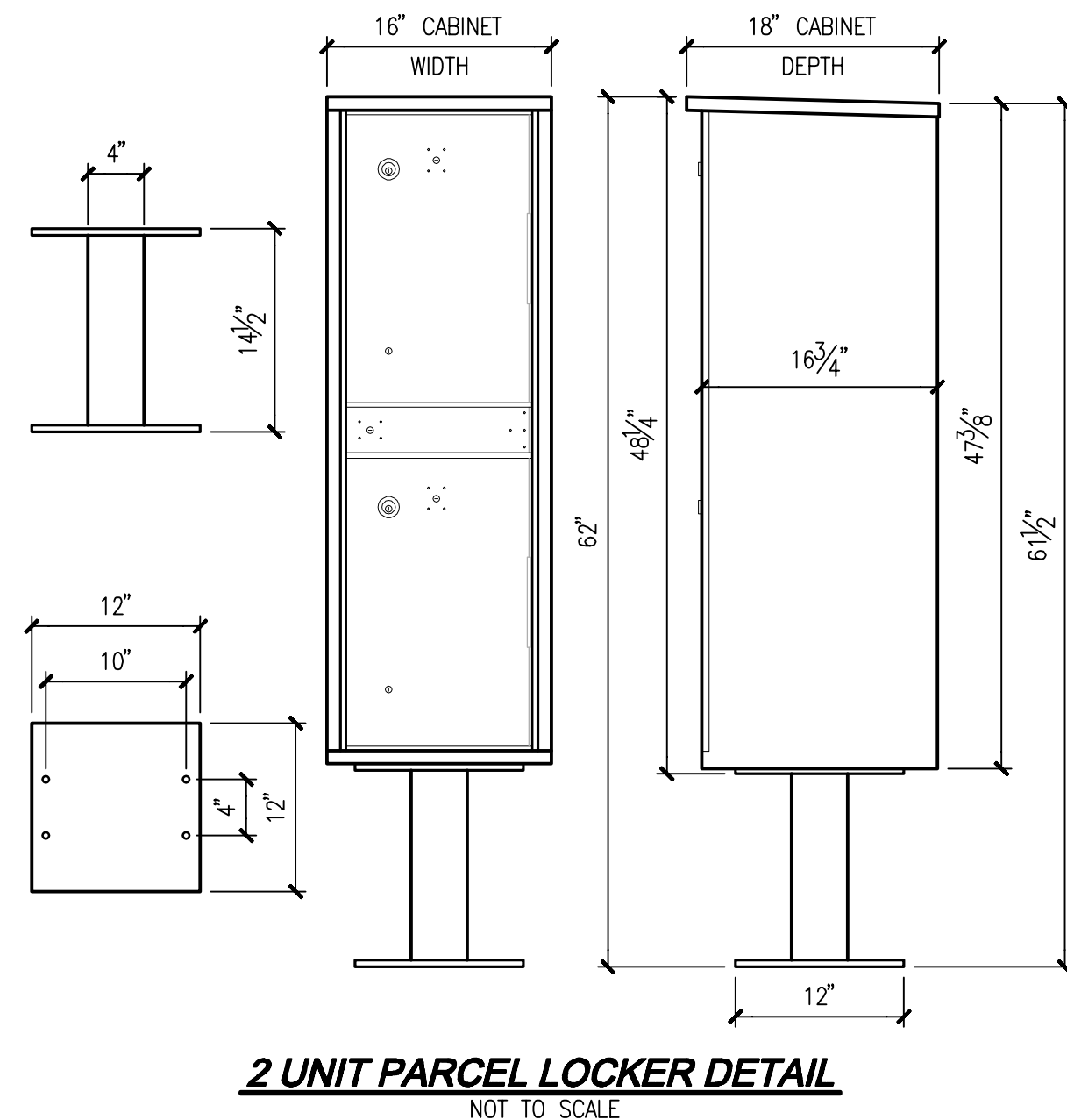
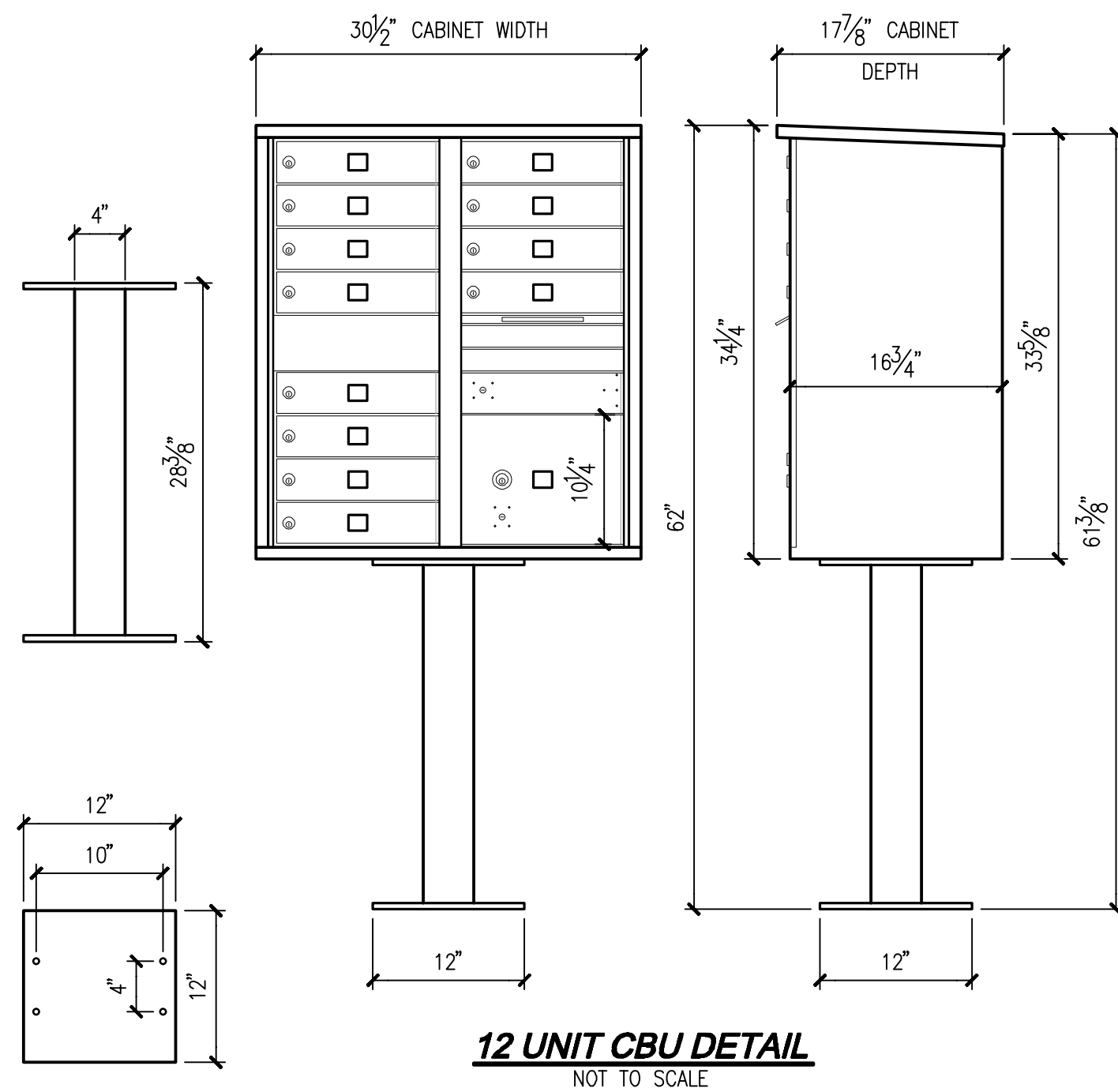
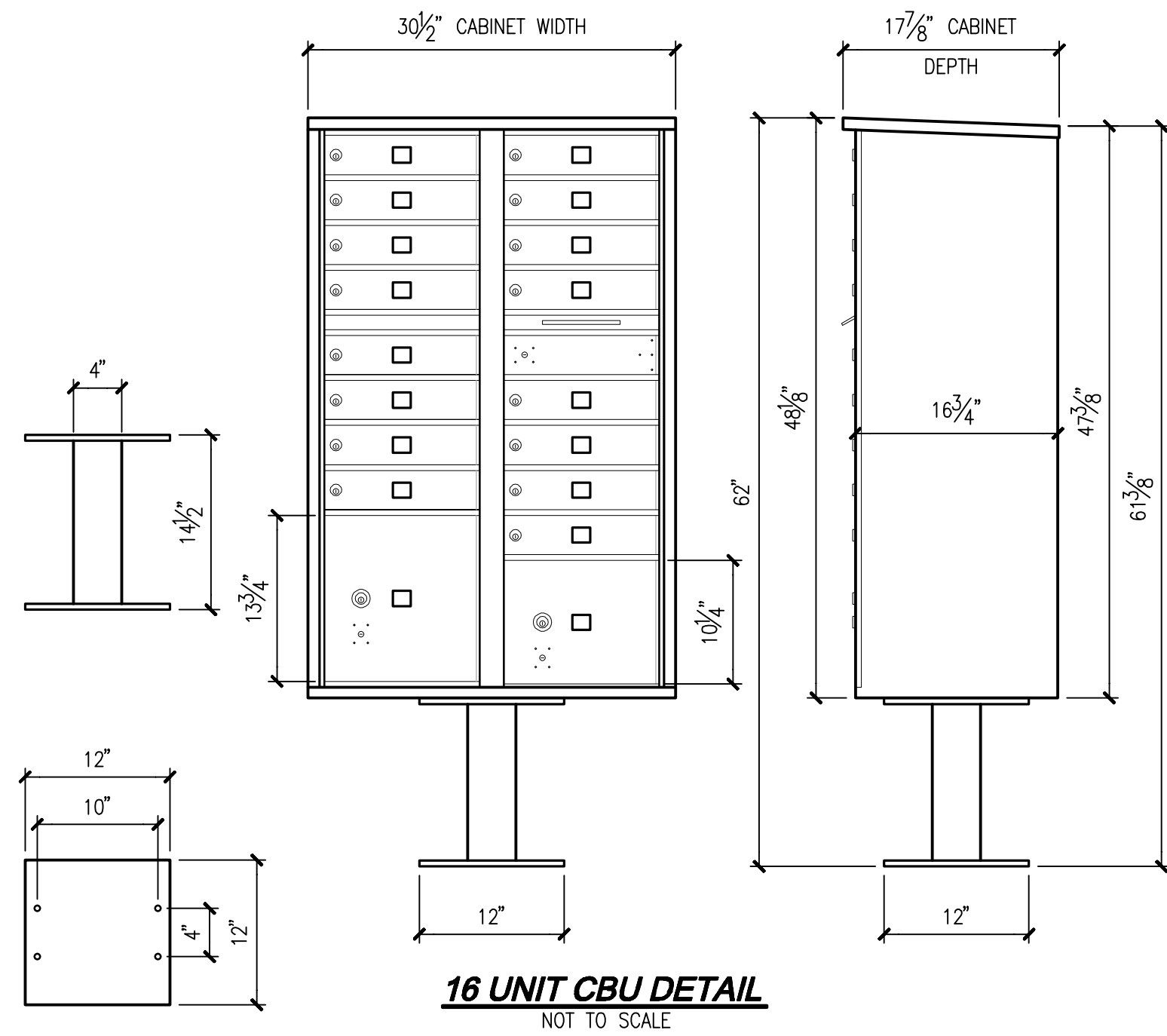
JURISDICTION: MARYSVILLE

**WA-02**

SHEET 39 OF 39

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PORTION OF SE1/4, SW1/4, SEC 25, TWN 30 N, RGE 5 E, W.M., SNOHOMISH COUNTY, WASHINGTON



**LEGEND**  
 DEVELOPER TO SUPPLY AND INSTALL  
 2 TYPE II (16-UNIT) CBU'S, 1 TYPE  
 II (12-UNIT) CBU AND 2 TYPE II  
 (2-UNIT) PARCEL LOCKERS. CBU'S  
 TO BE FACING STREET WITH FRONT  
 LOCATED 12" FROM EDGE OF  
 PAVEMENT.

Drawing: P:\Civil\2022\C22-177 Brodie.plt\Drawings\Construction\C22177C-MB-PL.dwg Plotted: Nov 15, 2022 - 12:47pm

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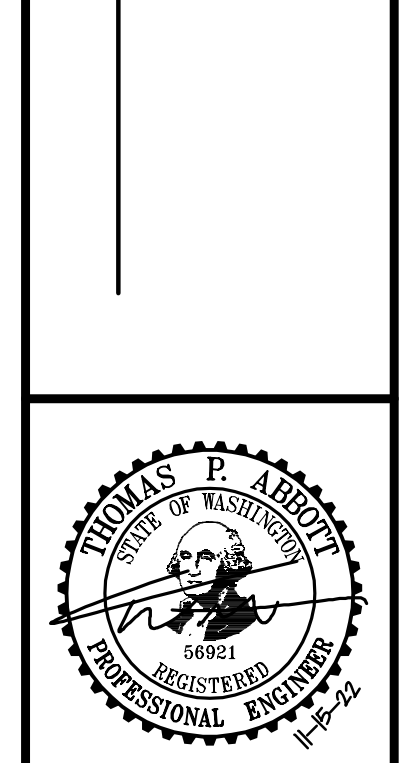
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CITY PROJECT #: PA22-023  
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 T 425.806.1869 F 425.482.2893

LAND PRO GROUP, INC.  
**BRODIE PLAT**  
 MAILBOX APPROVAL PLAN



JOB NUMBER: C22-177  
 DRAWING NAME: C22177C-MB-PL  
 DESIGNER: TPA  
 DRAFTING BY: DPN  
 DATE: 11-15-22  
 SCALE: 1"=100'  
 JURISDICTION: MARYSVILLE

**MB-01**  
 SHEET 1 OF 1