



CITY OF WOODBURN
COMMUNITY DEVELOPMENT

MEMORANDUM

270 Montgomery Street

Woodburn, Oregon 97071

Phone (503) 982-5246

Fax (503) 982-5244

Date: June 8, 2020
To: Dago Garcia, P.E., City Engineer
Cc: Chris Kerr, AICP, Community Development Director
Roy Hankins, PE, Emerio Design
From: Colin Cortes, AICP, CNU-A, Senior Planner *cc*
Subject: **Planning Division review comments on original / 1st submittal of civil engineering plans for Smith Creek Development Phase 3B**

Summary

Planning Division requests revisions and re-submittal by the applicant.

Revisions

The applicant needs to revise or clarify as follows:

- A. Crosswalk treatments:
 - Sheet 3: Stamped concrete crosswalks typical section; and
 - Sheet 16: Curb return details 7, 9, 10, & 12:

The information is too vague to indicate pavement stamping/treatment, color, and pattern in conformance to the attached excerpted memo I'd sent Stafford Land Co. in August 2019 in response to a request to staff to direct on these topics when the issue first arose for Smith Creek through Phase 1A civil engineering plans.

Revise at least Sheet 3 to indicate conformance with the memo by providing any of notes, diagrams, and images. The excerpted memo is Attachment 1.

B. Easement for Killian Spring Drive on church property:

Sheet 4:

I recall that in the last two to three years Morgan Will of Stafford mentioned that St. Mary's Episcopal Church (1560 W. Hayes St; Tax Lot 051W07CC07100) had granted an easement on its property for its 46-ft wide portion of Killian Spring Drive. Additionally, Smith Creek Development [Exhibit P](#) (2018; Attachment 2) labeled "46' ROW deeded & 5' PUE granted".

However, I see no indication in City GIS or on the County tax map. (I know a tax map isn't a plat or survey, but tax maps delineate and label some easements.)

Also – and most important – the applicant having submitted Phase 3B civil engineering plans assumes that construction can meet [Smith Creek Development Final Order Condition T-A3](#) because the applicant acquired some legal right to build Killian Spring where it overlaps the church property.

If there isn't such easement, confirm and explain in a note on Sheet 4 and explain how the applicant would resolve the situation to meet the condition; if there is such easement or other legal mechanism allowing for Killian Spring to overlap the church property, revise Sheet 4 with a note or notes – including reference to the Marion County reel/volume and page numbers – to indicate and revise the drawing to delineate the extent of territory that the easement or legal mechanism covers. Also provide a copy of the recorded document.

C. ROW for Killian Spring on school property:

Sheet 4:

I understand that the Woodburn School District dedicated ROW to the City for the school portion of Killian Spring Drive: 20 ft wide plus curvature at the intersection with W. Hayes Street per the [Exhibit P](#), as well as a public utility easement (PUE), as a result of Conditional Use [CU 2019-05](#) final decision Condition C1a.

Revise the bold dark gray dashed line, which suggests a tentative state, for the west side of tentative Killian Spring to indicate that ROW and PUE already exist.

D. Driveway:

Sheets 10, 20, & 25:

The sheets that show driveway context are missing one of two driveways along Killian Spring Drive on the Nellie Muir E.S. property. They show the north one, but not the south one.

Per the CU 2019-05 civil plans Sheets C2.00 & C2.02 (Attachment 3) there are two drive aisles that, as the City and the school district plan, will be truncated with two driveways upon construction of Killian Spring Drive upon, which would remove the allowed, now-interim private improvements within the 20-ft ROW that the district dedicated.

Because it makes perfect sense to build Killian Spring once incorporating driveway approaches / aprons / curb cuts as planned, revise at least Sheet 10 to illustrate and note the south driveway along with the north one and Sheet 20 to illustrate the south driveway along with the north one.

Revise Sheet 25 (street tree plan) to account for displacement by the south driveway of a tree or trees. (Note: There appears to be room to the north, and trees are permissible above vision clearance area if planted and pruned 7 ft above grade per [Woodburn Development Ordinance](#) 3.03.06C.1.)

- E. (Note: This item is optional.) Killian common area street trees:
Along the Killian frontage of the common area tracts next to and south of Nellie Muir E.S., where there would be no driveways, staff kindly requests additional street trees equaling 1:30 average instead of 1:50 average.

Next Steps:

The applicant will include a dated cover letter to my attention referencing the civil engineering plans file number (if any), re-submittal date, project name, and phase, citing each revision item by letter/number, and for each item directing staff to the applicable and specific plan sheet or document and page number.

When you receive a 2nd submittal / 1st revised submittal, please notify me and provide a PDF and print copy of the materials and specify a desired due date for review comments.

Attachment(s):

1. Specified colors and patterns: Excerpt of Aug. 23, 2019 memo and its Attachment 1C (6 pages)
2. Smith Creek Development Exhibit P [Killian Spring] (2018)
3. Nellie Muir E.S. CU 2019-05 Sheets C2.00 & C2.02 (2019)
4. Civil engineering plan set (original submittal, April 13, 2020; 31 sheets)

Feel free to contact me at 503-980-2485 or <colin.cortes@ci.woodburn.or.us>.



CITY OF WOODBURN
COMMUNITY DEVELOPMENT

MEMORANDUM

270 Montgomery Street Woodburn, Oregon 97071 Phone (503) 982-5246 Fax (503) 982-5244

Date: August 23, 2019
To: Dago Garcia, P.E., City Engineer
Cc: Chris Kerr, AICP, Community Development Director
Eric Liljequist, P.E., Public Works Director
Morgan Will, Development Manager, Stafford Land Co.
Roy Hankins, PE, Emerio Design
From: Colin Cortes, AICP, CNU-A, Senior Planner *CC*
Subject: **Planning Division comments on civil engineering plans third submittal for Smith Creek Development Phase 1A at 690 Ben Brown Ln (Tax Lot 052W13 00106)**

Summary

Planning Division staff reviewed the copy of the civil engineering plans that Stafford Land Co. submitted to Public Works in June 2019 as third submittal. Planning and Public Works staff met August 22 to discuss a draft response and determine that the plans remain in need of additional information and revisions.

Staff added lettering in brackets to distinguish each item.

What follows is a list of needed revisions and additional information. Provide a cover or transmittal letter identifying the specific sheet number or numbers that contain the revisions addressing each item.

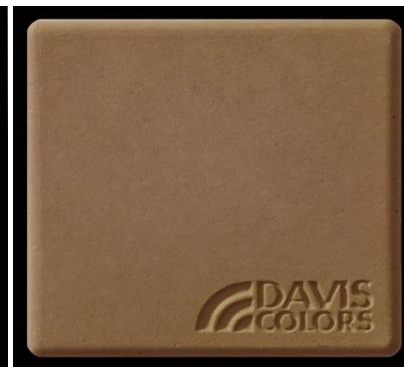
The legend for table symbols is as follows:

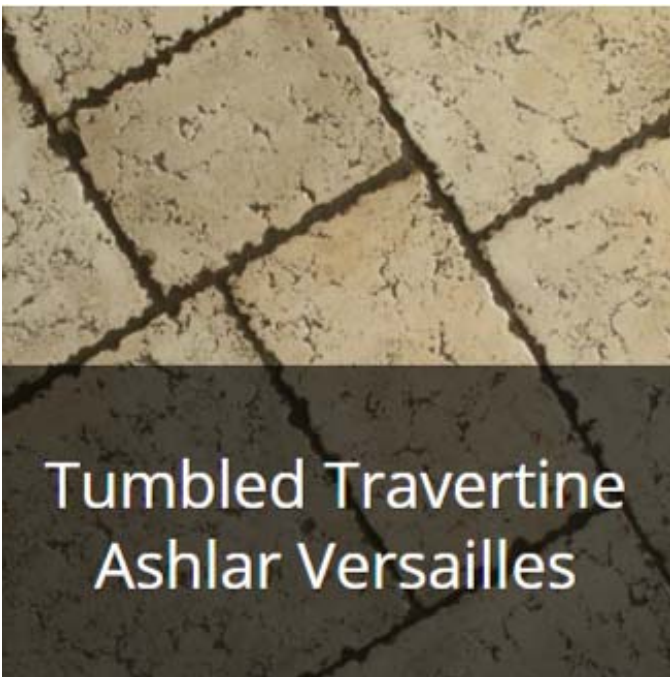
✓	No longer an outstanding item
⊖	Dropped by staff and no longer an issue
✗	Outstanding item
☞	Deferral and/or Contextual info

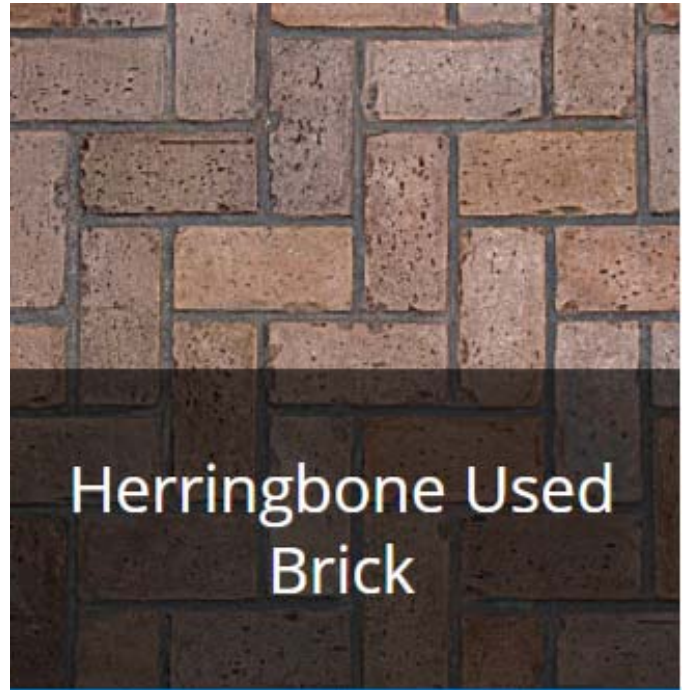
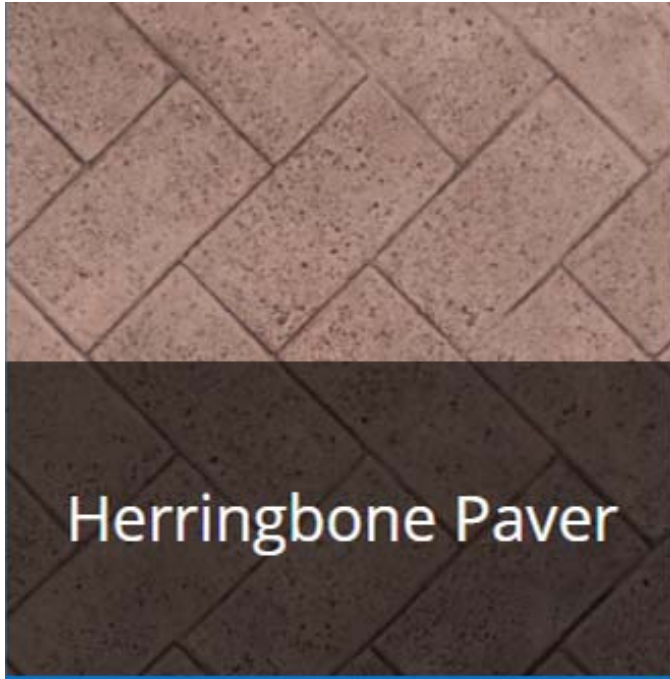
Planning Division Comments

Items	[May 2019 First Submittal] Comments	Conditions/Notes	Applicant Narrative Response June 2019	Staff Response
[A] City stormwater tract	The divisions need civil engineering plans for the City stormwater tract along as well as those of Phase 1A for Planning Division holistic review and comparison with the final order conditions of approval. For example, the tract civil plans would address among other items deferred from grading permit GRAD 2019-03 incompleteness Item T and its table. (Planning has yet to receive a written response to the GRAD incompleteness letter.)	Various including PUD-4 (p. 54) & T-BP2 (p. 62)	<i>Civil engineering plans for planned improvements in the City's Tax Lot 4100 were submitted to public works by separate application. The trail shown on those plans meets the standards under COA PUD-4 (b.1-3.) and COA T-BP2. See response letter provided for Grading Permit 2018-03.</i>	✓ Receipt of civil engineering plans for the City stormwater tract acknowledged. See August 13 memo.
[B] Scale	Scale: Staff received ledger (11 x 17 inch) copies. The cover sheet notes that, "These plans are full sized on 22"x 34" paper, if 11"x17" scale accordingly". Staff needs plan size (24 x 36 inch) copies to be able to scale items at the native scale of the drawings. Submit at least (3) three copies for Planning.	n/a	<i>These civil plans were submitted as required by Public Works staff as review copies. Full size plans will be submitted for final stamped approval when requested by Public Works staff.</i>	⊖ Dropped.
[C] Treatments	Provide details regarding the treated crossings and intersections and the speed tables. <ul style="list-style-type: none"> • What are the materials, dye(s)/color(s), and pattern(s) of the treatments? Provide Ben Brown (BB) & Kirskey, S/SW leg with the conditioned treated crosswalk. • What are the speed table treatments, heights and ramp slopes and extents? • Revise sheets including Sheet 36 Details 23 & 26. 	PUD-10 (p. 58)	<i>The Applicant's engineer has provided the City Engineer in a 2nd Phase 1A plan submittal with specifics on crossing treatments for engineering review and determination if treatments will meet with City standards and ADA standards, or need to be modified accordingly. Upon planning review of City Engineer improved plans the Applicant seeks confirmation that the plans are substantially conforming to the intent of the crossing treatments as all preliminary elements proposed by the applicant may not be approved for final construction by the City Engineer exactly.</i>	<p>✗ No sheet appears to identify speed table heights and ramp slopes.</p> <p>Provide a specific plan sheet for this topic of treatments and revise the plan cover sheet drawing index to list this sheet.</p> <p>☞ Thank you for the color and stamped pattern vendor catalog information submitted in May. In response, see Attachments 1C & 1P for the specified colors and to choose from among the small palette of patterns established by staff.</p>
[D] Curb ramps: number	Certain intersections are missing curb ramps: <ul style="list-style-type: none"> • [1] Ben Brown (BB) & Simon, NW [Sheet 11] • [2] BB & Stoller, NW [Sheet 11] • BB & Killian Spring (KS), E/NE Staff error: correct to "BB & Kirksey St, E/NE (Sheet 12)" • [3] BB & Thomas, SW [Sheet 12] • [4] BB & Mattson, SW [Sheet 12] • [5] Ostrom & Thomas, SW [Sheet 12] 	Oregon Revised Statutes (ORS) 801.220 and in turn 810.200 and 801.320 , i.e. every intersection leg is a crosswalk and so T-intersections need	<i>The number and location of curb ramps will be as shown on plans and as approved with the application to avoid conflicts with approved private driveways from approve lots.</i>	✗ Number and placements: Why would public infrastructure, particularly ADA curb ramps, be designed to subordinate to private improvements that don't exist? Is staff in error applying statute? The Smith Creek Exhibit C-8 series submitted as part of the land use approval did not mean the

<p><i>Trail Crossings (Mainline and North)</i> <i>Pattern</i> Any one choice among:</p> <p>Cut Stone Cobble</p> <p>Old Cobble Stone</p> <p>Hexagon Italian Slate</p>	<p><i>Path/Other Crossing Legs</i> Any one choice among:</p> <p>Herringbone Paver</p> <p>Herringbone Used Brick</p> <p>Running Bond Used Brick</p>	<p><i>Middle of Treated Intersections</i> Any one choice among:</p> <p>Herringbone Paver</p> <p>European Cobble Curved Tool</p> <p>Radius Cobble Stone</p>
<p><i>Dye Color</i> Willow Green 5376</p>	<p>Brick Red 160</p>	<p>Harvest Gold 5084</p>







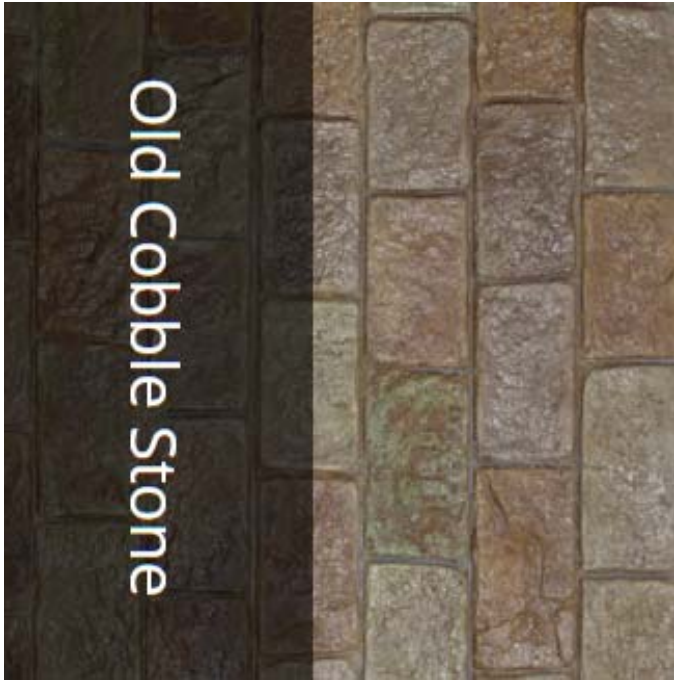
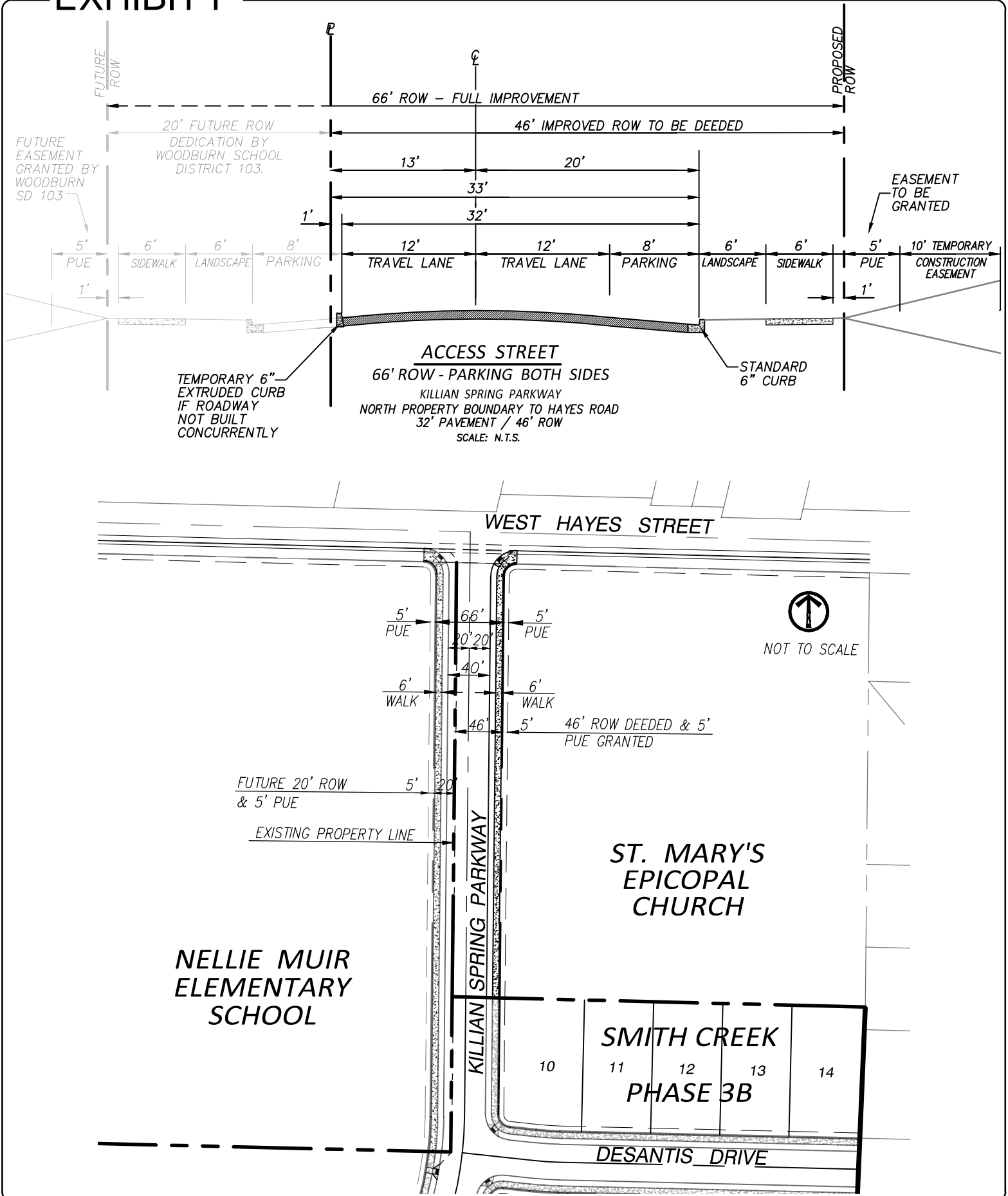


EXHIBIT P



SMITH CREEK
 RESIDENTIAL DEVELOPMENT
EXHIBIT P
 SUPPLEMENT

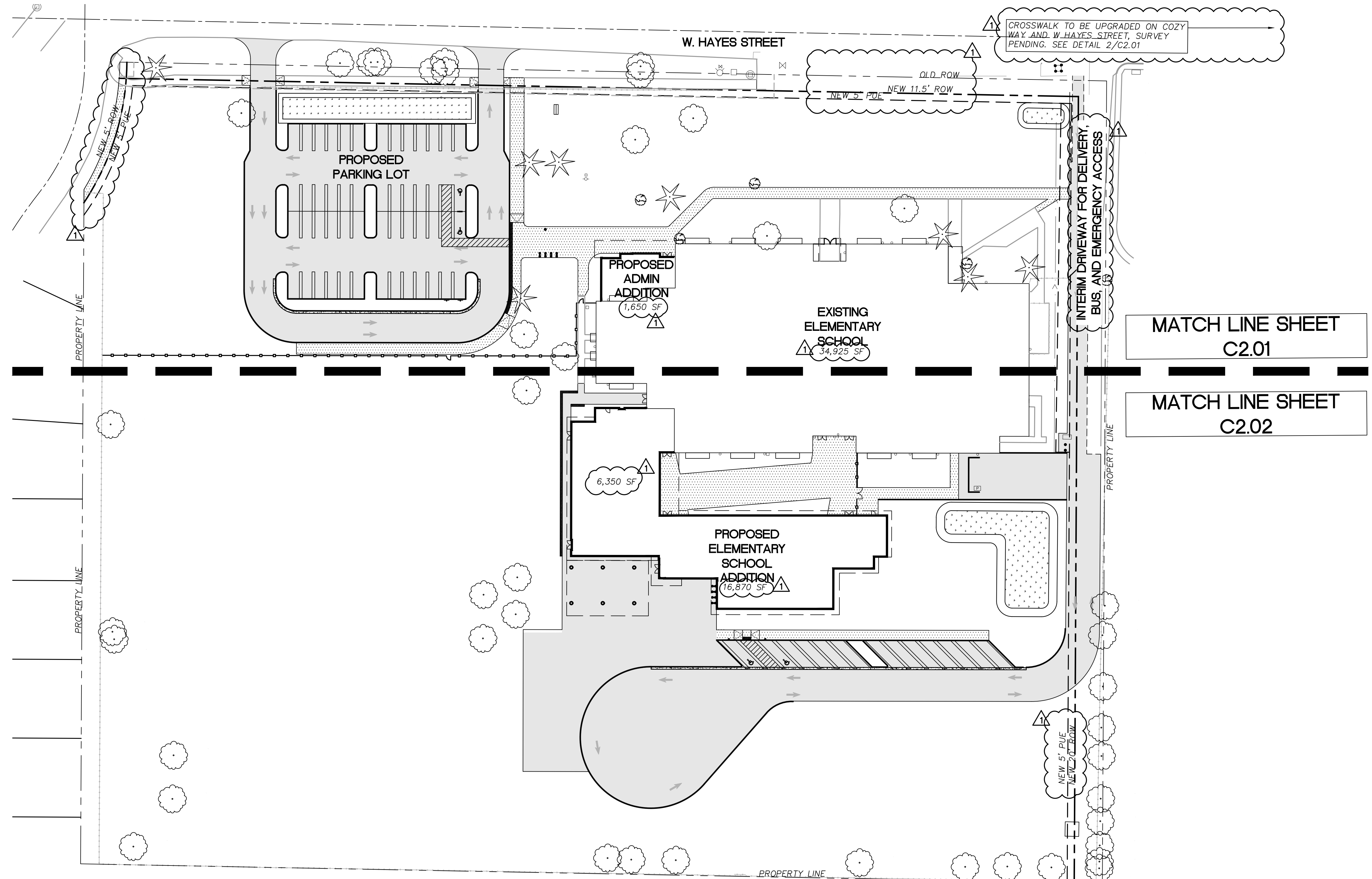
STAFFORD
 DEVELOPMENT COMPANY, LLC
 485 SOUTH STATE STREET
 LAKE OSWEGO, OREGON 97034

SMITH CREEK
 Attachment 2
 CITY OF WOODBURN, OREGON

SHEET NOTES
 1. KILLIAN SPRINGS DRIVE TO BE DEVELOPED PER CITY OF WOODBURN STANDARDS AT THE TIME OF FUTURE SMITH CREEK DEVELOPMENT. AN INTERIM DRIVEWAY WILL SERVE THE SCHOOL FOR DELIVERY, BUS, AND EMERGENCY ACCESS.

SHEET LEGEND

	CONCRETE SIDEWALK	7 C5.00
	ASPHALT PAVEMENT	11 C5.00
	STORMWATER PLANTER	1,2 C5.01
	STANDARD CONCRETE CURB	8 C5.00
	LANDSCAPING	SEE LANDSCAPE PLANS
	SAWCUT	
	CURB TAPER	9 C5.00
	CURB SCUPPER	10 C5.00



DRAWING REVISIONS

△	08/21/2019	LAND USE REVISION 1
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LAND USE REVIEW SET

NELLIE MUIR ELEMENTARY SCHOOL

WOODBURN SCHOOL DISTRICT

BLRB architects

TACOMA | SPOKANE | PORTLAND | BEND
 1250 Pacific Avenue Suite 700 Washington 98602 253.627.5599
 505 W Riverside Suite 500 Washington 98201 509.271.5000
 1000 SW 5th Avenue Suite 1100 Oregon 97204 503.555.0707
 404 SW Columbia Suite 200 Oregon 97102 541.350.4506

BLRB.com

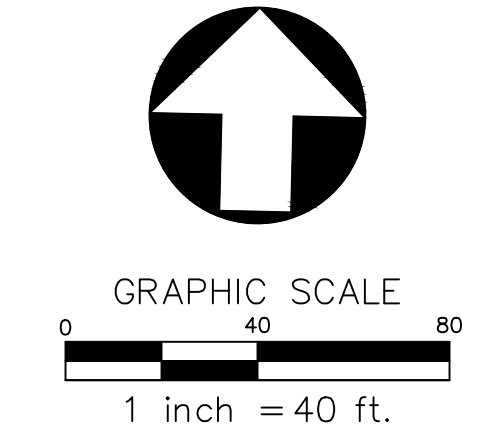
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LAYOUT AND PAVING PLAN OVERALL

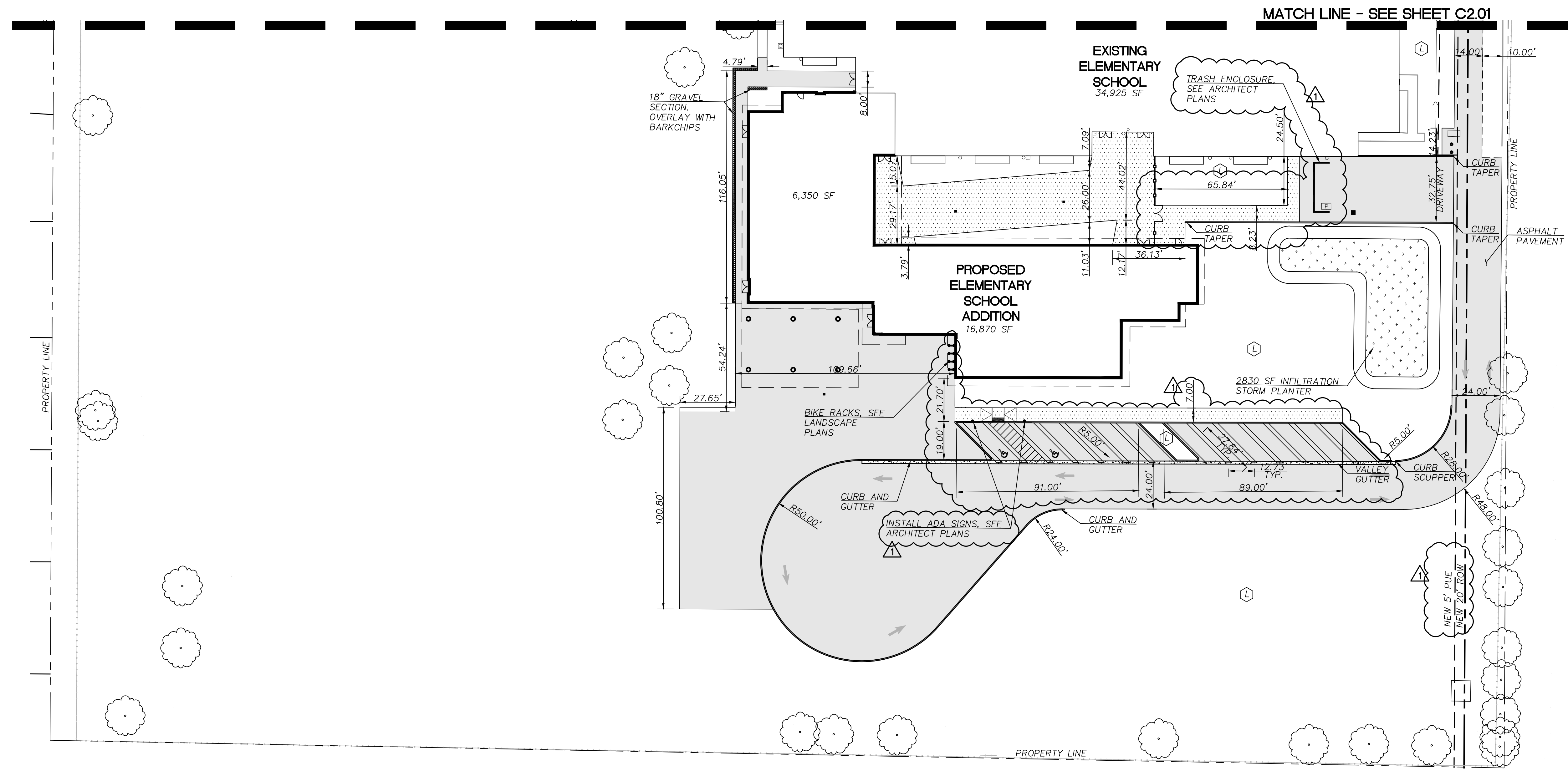
Date: 06/21/2019	Drawn By: MWH/RXN/ACX
Revised: 08/21/2019	Project No. 1748P
Stamp	Sheet No.

PRELIMINARY - NOT FOR CONSTRUCTION

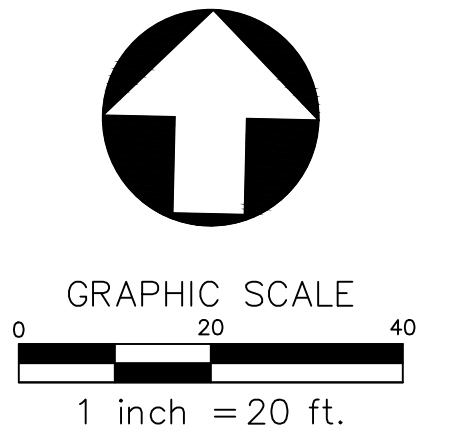
Attachment 3
Sheet 1 of 2
of **C2.00**

1 LAYOUT AND PAVING PLAN - OVERALL
 1" = 40'





1 LAYOUT AND PAVING PLAN - SOUTH
1"=20'



SHEET LEGEND		
	CONCRETE SIDEWALK	7 C5.00
	ASPHALT PAVEMENT	11 C5.00
	STORMWATER PLANTER	1.2 C5.01
	STANDARD CONCRETE CURB	8 C5.00
	LANDSCAPING	SEE LANDSCAPE PLANS
	SAWCUT	
	CURB TAPER	9 C5.00
	CURB SCUPPER	10 C5.00



DRAWING REVISIONS
 08/21/2019 LAND USE REVISION 1

LAND USE REVIEW SET

NELLIE MUIR ELEMENTARY SCHOOL

WOODBURN SCHOOL DISTRICT

BLRB architects

TACOMA | SPOKANE | PORTLAND | BEND

1250 Pacific Avenue Suite 700 Washington 98602 253.627.5599 | 505 W Riverside Suite 500 Washington 98201 509.271.5000 | 1000 SW 5th Avenue Suite 1100 Oregon 97204 503.555.0707 | 404 SW Columbia Suite 200 Oregon 97102 541.350.6506

BLRB.com

Drawing Title:

LAYOUT AND PAVING PLAN SOUTH

Date: 06/21/2019 Drawn By: MWH/RXN/ACX

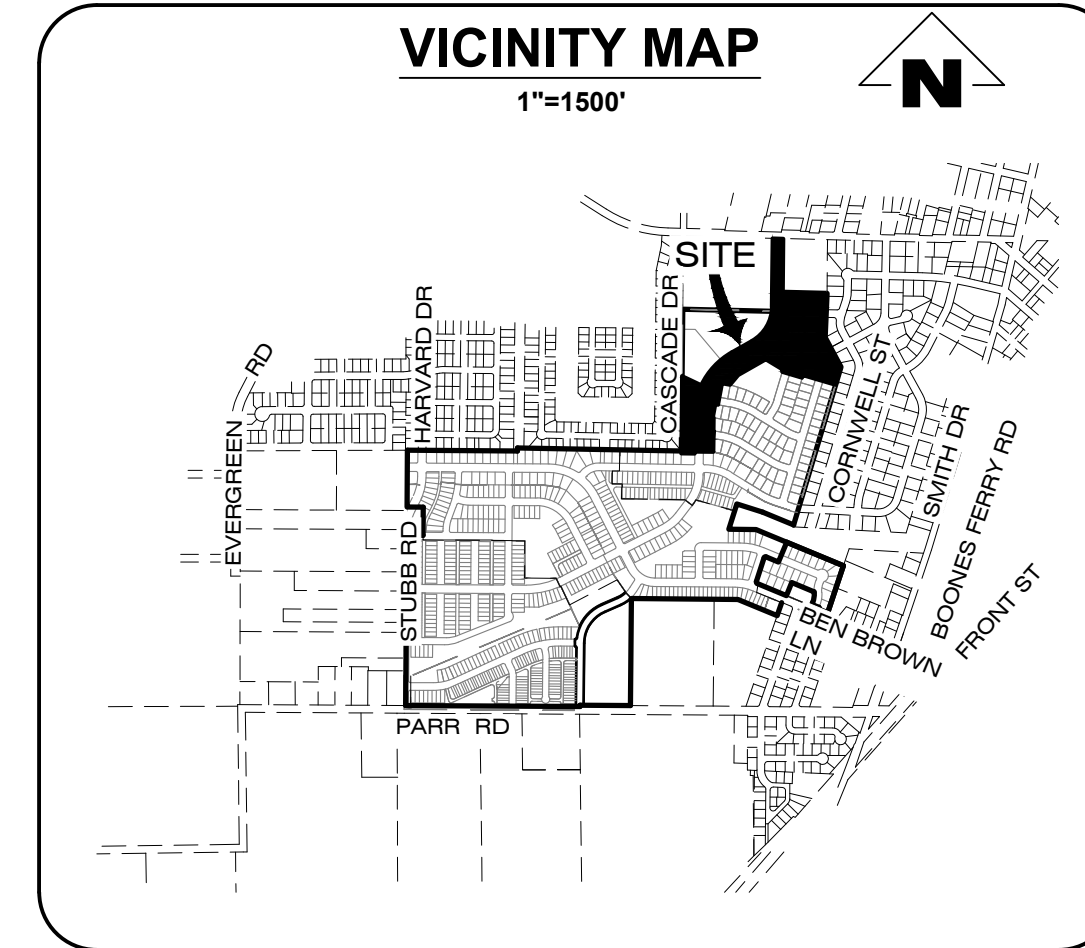
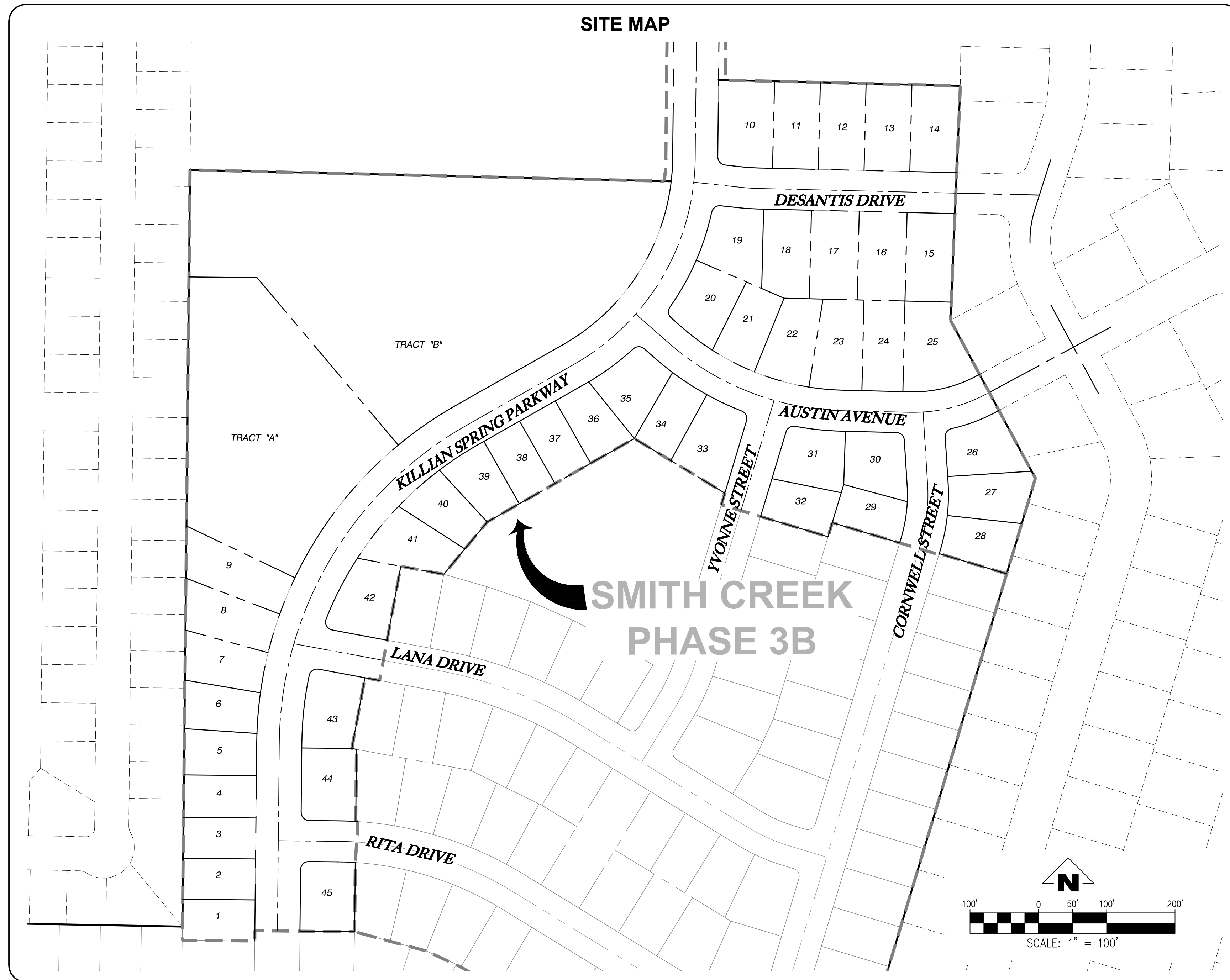
Revised: 08/21/2019 Project No. 1748P

Stamp: PRELIMINARY - NOT FOR CONSTRUCTION

Sheet No. Attachment 3 Sheet 2 of 2 of **C2.02**

SMITH CREEK PHASE 3B

45-LOT SUBDIVISION
TAX MAP 052W13-TL100
WOODBURN, OREGON



NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER.
(NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503)-232-1987.)

POTENTIAL UNDERGROUND FACILITY OWNERS
Dig Safely.
Call the Oregon One-Call Center
DIAL 811 or 1-800-332-2344

EMERGENCY TELEPHONE NUMBERS	
NW NATURAL GAS	
M-F 7am-6pm	503-226-4211 Ext.4313
AFTER HOURS	503-226-4211
PGE	503-464-7777
CENTURY LINK	1-800-491-0118
FRONTIER	1-800-921-8101
CITY OF WOODBURN ENGINEERING	503-982-5247
WOODBURN WATER DEPARTMENT	503-982-5218
WOODBURN NON-EMERGENCY	503-982-2345

THIS DESIGN COMPLIES WITH ORS 92.044 (7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN ONE (1) FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTIONS NOT FINAL FIELD LOCATION CHANGES SHALL BE PERMITTED IF THAT CHANGE WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN THE PROHIBITED AREA.

VERTICAL DATUM
THE VERTICAL DATUM FOR THIS SURVEY IS BASED UPON POST-PROCESSED GPS STATIC OBSERVATION OF INDEPENDENT CONTROL, PROCESSED THROUGH OPUS, DATUM IS NAVD 88, CONVERTED TO NGVD 29 THROUGH THE VERTCON PROCESS TOOL.

IMPERVIOUS AREA SUMMARY

TOTAL EXISTING	= 0 SF	(0.00 AC)
PROPOSED PRIVATE PROPERTY	= 339,269 SF	(7.79 AC)
PROPOSED PUBLIC ROW	= 86,792 SF	(1.99 AC)
TOTAL PROPOSED	= 426,061 SF	(9.78 AC)

PAPER SCALE NOTE

THESE PLANS ARE FULL SIZED ON 22"x34" PAPER, IF 11"x17" SCALE ACCORDINGLY

DRAWING INDEX

Sheet Number	Sheet Title
1	COVER SHEET AND INDEX OF DRAWINGS
2	CONSTRUCTION NOTES & LEGEND
3	TYPICAL STREET SECTIONS
4	EXISTING CONDITIONS AND DEMOLITION PLAN
5	PRELIMINARY PLAT
6	COMPOSITE UTILITY PLAN
7	GRADING PLAN
8	KILLIAN SPRING & STORM SD-03 STA 38+00 TO 44+00 PLAN & PROFILE
9	KILLIAN SPRING & STORM SD-03 STA 44+00 TO 51+50 PLAN & PROFILE
10	KILLIAN SPRING & STORM SD-03 STA 51+50 TO 58+00 PLAN & PROFILE
11	LANA DR., RITA DR. & STORM SD-03 PLAN AND PROFILE
12	DESANTIS DR. & STORM SD-08 STA 9+50 TO 14+00 PLAN & PROFILE
13	AUSTIN AVE. & STORM SD-09 STA 9+50 TO 16+00 PLAN & PROFILE
14	YVONNE ST., CORNWELL ST. & STORM SD-09 PLAN & PROFILE
15	CURB RETURN DETAILS
16	CURB RETURN DETAILS
17	CURB RETURN DETAILS
18	SANITARY SS-U STA 38+00 TO 44+50 & WATER LINE PLAN & PROFILE
19	SANITARY SS-U STA 44+50 TO 51+50 & WATER LINE PLAN & PROFILE
20	KILLIAN SPRING 51+50 TO 58+00 & WATER LINE PLAN & PROFILE
21	RITA DR., SANITARY SS-E & WATER LINE PLAN & PROFILE
22	SANITARY SS-B STA 9+50 TO 16+00 & WATER LINE PLAN & PROFILE
23	SANITARY SS-C AND SS-D & WATER LINE PLAN & PROFILE
24	STREET SIGNAGE & STRIPING PLAN
25	STREET SIGNAGE DETAILS
26	CONSTRUCTION DETAILS
27	CONSTRUCTION DETAILS
28	CONSTRUCTION DETAILS
29	CONSTRUCTION DETAILS
30	CONSTRUCTION DETAILS
31	CONSTRUCTION DETAILS

PROJECT CONTACTS

OWNER: STAFFORD DEVELOPMENT COMPANY 8840 SW HOLLY ST. WILSONVILLE, OREGON 97070 CONTACT: MORGAN WILL (503) 305-7647	SURVEYOR: BARKER SURVEYING 3657 KASHMIR WAY SE SALEM, OREGON 97317 CONTACT: GREGORY L. WILSON (503) 588-8800 (P) (503) 363-2469 (F)	GEOTECHNICAL ENGINEER: GEOPACIFIC 14835 SW 72nd AVENUE PORTLAND, OR 97224 CONTACT: JAMES D. IMBRIE (503) 598-8445 (P) (503) 941-9281 (F)	CIVIL ENGINEER: EMERIO DESIGN, LLC 6445 SW FALLBROOK PL. STE. 100 BEAVERTON, OR 97008 CONTACT: ROY W. HANKINS, P.E. (503) 746-8812 (P) (503) 639-9592 (F)
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SITE DATA

AREA:	18.37
ZONING:	RMN
LOT:	PARCEL 2 OF PARTITION PLAT 2018-075

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

COVER SHEET AND INDEX
OF DRAWINGS

REVISIONS

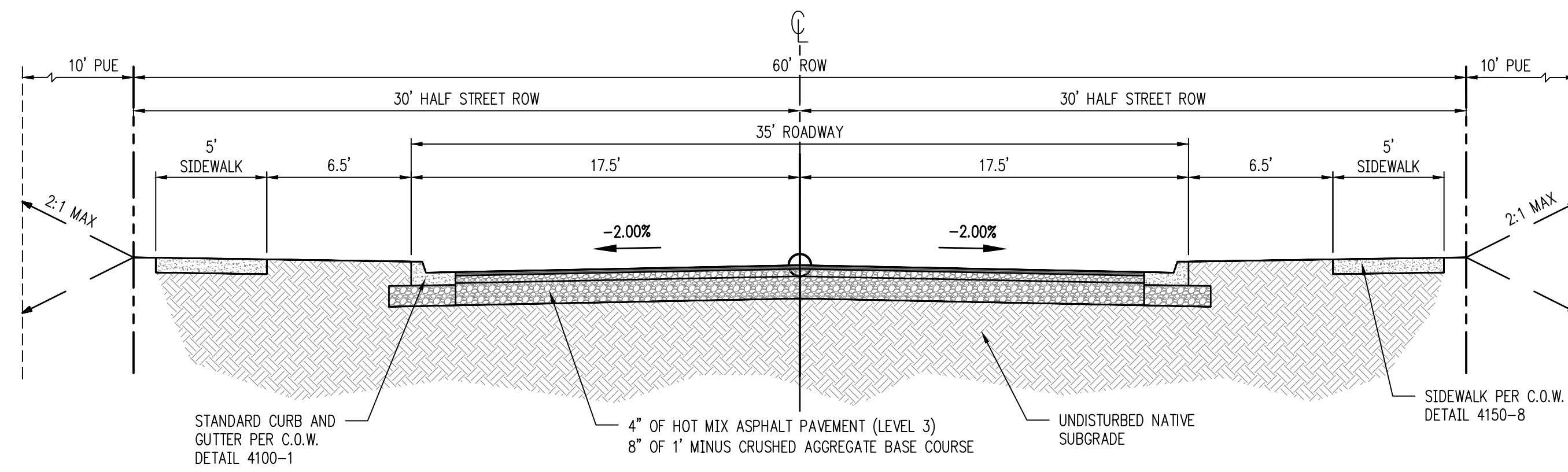
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

EMERIO Design
2677 WILLAKENZIE ROAD, SUITE 1A
CLATSOP COUNTY, OREGON 97130
TEL: (503) 746-8812
FAX: (503) 639-9592
www.emeriodesign.com

Attachment 4

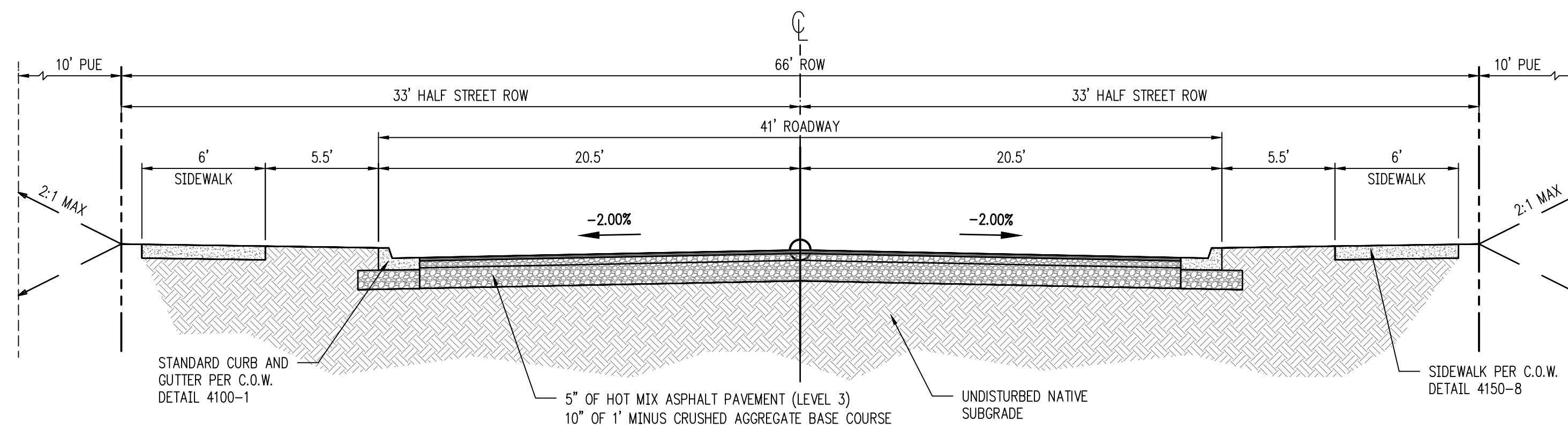


SHEET
01
OF
31



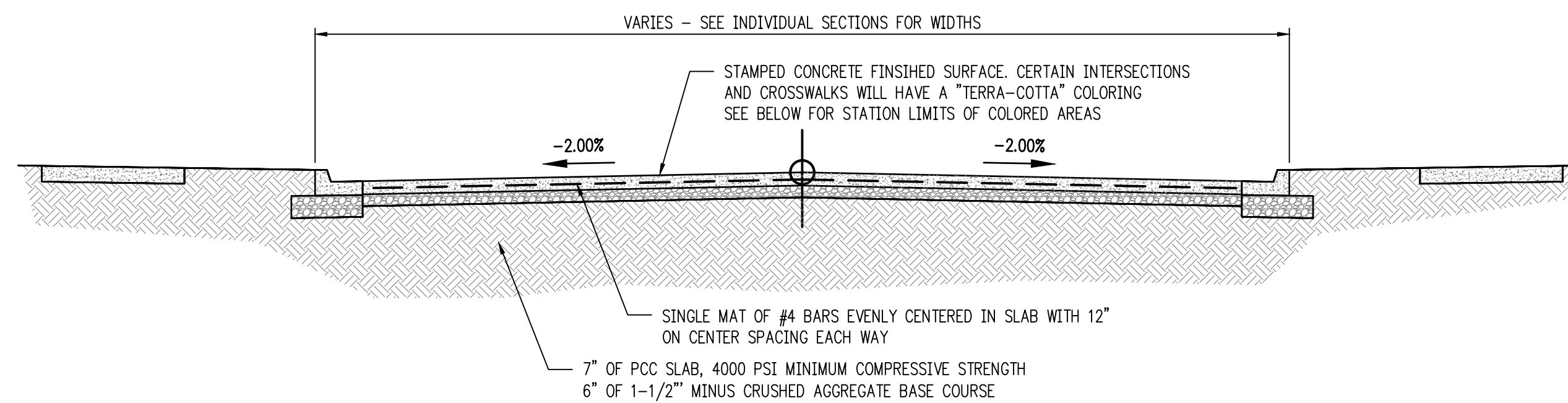
DESANTIS DRIVE, AUSTIN AVENUE, YVONNE STREET, CORNWELL STREET, LANA DRIVE, RITA DRIVE - TYPICAL SECTION

SCALE: 1"=5'



KILLIAN SPRING PARKWAY - TYPICAL SECTION

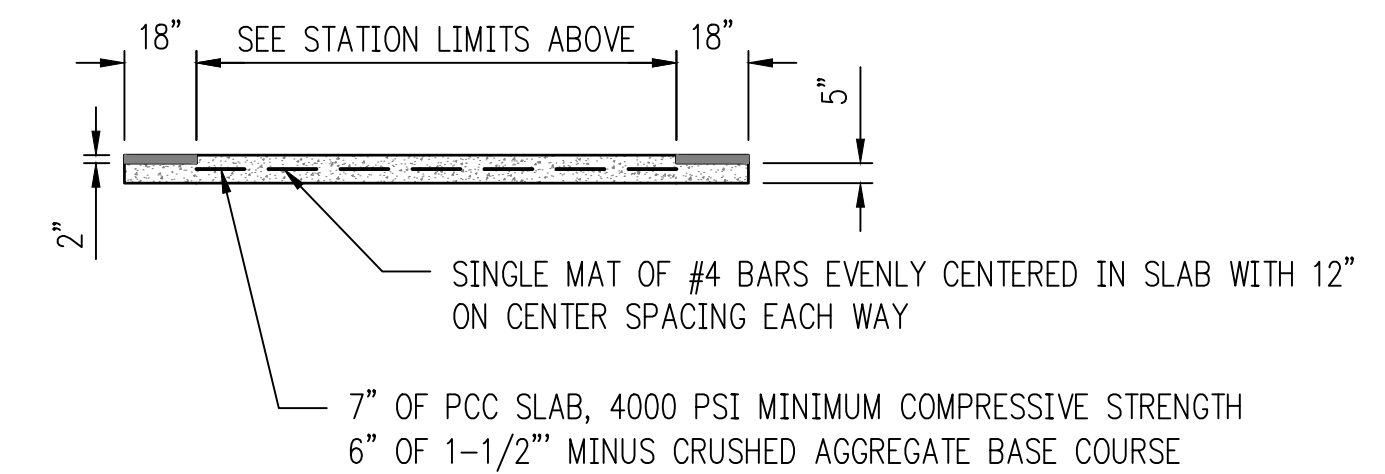
SCALE: 1"=5'



STAMPED CONCRETE CROSSWALKS - TYPICAL SECTION

SCALE: NTS

KILLIAN SPRING PARKWAY (STA 49+42.32 TO 39+54.31) COLORED
 KILLIAN SPRING PARKWAY (STA 51+56.01 TO 51+68.01) COLORED



CONCRETE CROSSING DETAIL

TYPICAL SECTION NOTES:

- ① GEOTEXTILE FABRIC SHALL BE INSTALLED DURING WET WEATHER CONDITIONS

SMITH CREEK - PHASE 3B
 TAX MAP 052W13-TL 100
 WOODBURN, OREGON

TYPICAL STREET SECTIONS

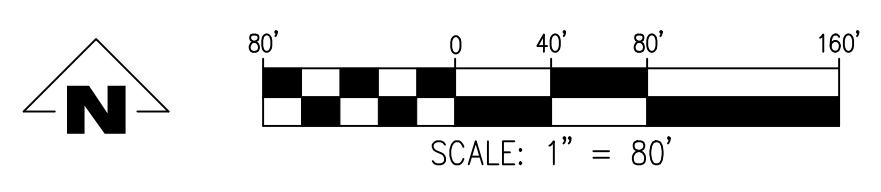
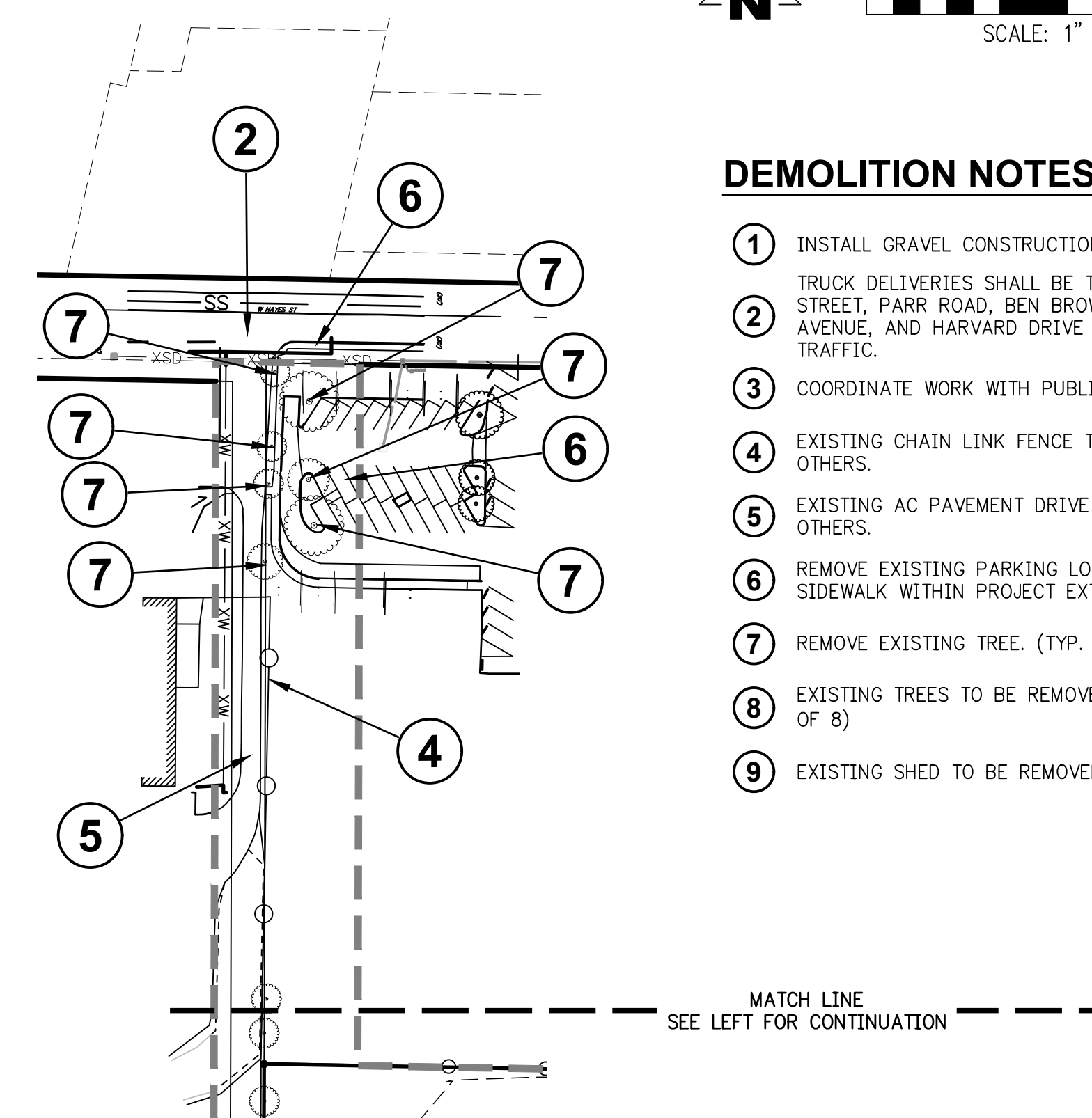
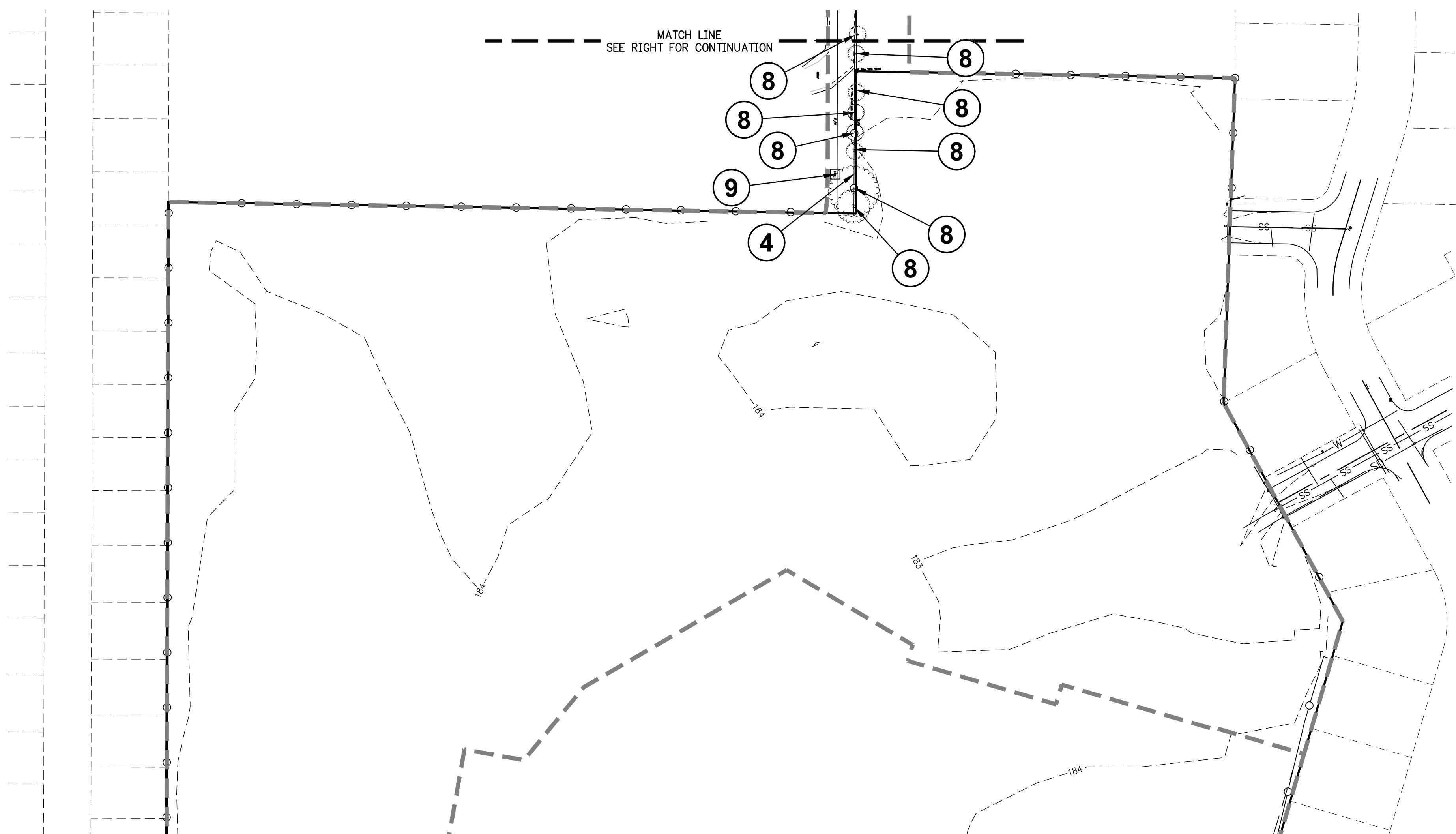
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

EMERIO Design
 2677 WILLAKENZIE ROAD, SUITE 1A
 WOODBURN, OREGON 97149
 TEL: (503) 746-8812
 FAX: (503) 639-9592
 www.emeriodesign.com



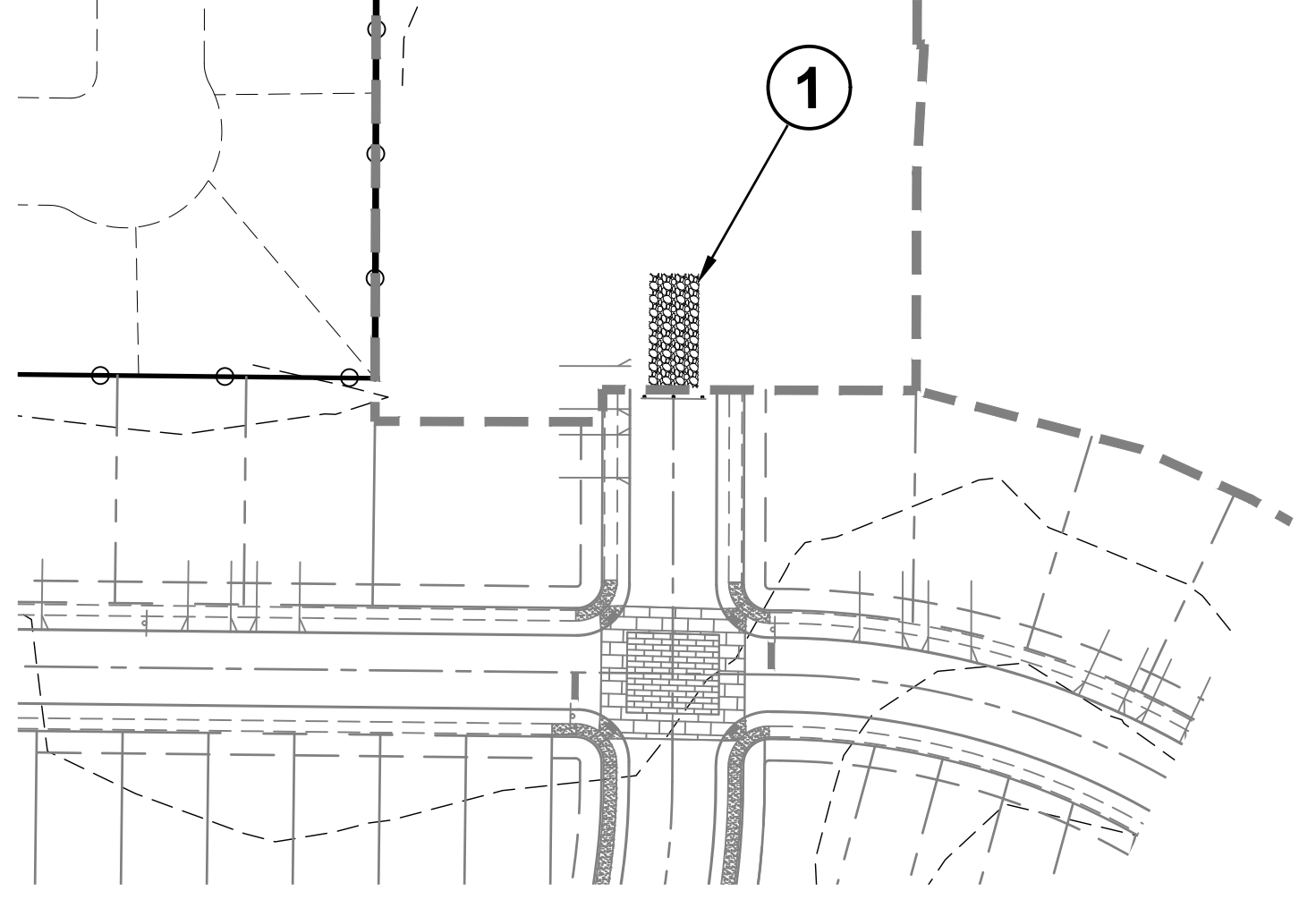
SHEET
03 OF **31**

FILE: P:\471-001-Smith_Creek-Feasibility\DWG\Civil\Phase 3B\471-001_Typical_Street_Sections_Plot.dwg, Plot Date: 4/13/2020 2:16 PM, by: Ian Falls 471-001



DEMOLITION NOTES:

- ① INSTALL GRAVEL CONSTRUCTION ENTRANCE. TRUCK DELIVERIES SHALL BE THRU WEST HAYES STREET, PARR ROAD, BEN BROWN LANE, SETTLEMIER AVENUE, AND HARVARD DRIVE ARE NOT THRU TRUCK TRAFFIC.
- ② COORDINATE WORK WITH PUBLIC WORKS DIVISION.
- ③ EXISTING CHAIN LINK FENCE TO BE REMOVED BY OTHERS.
- ④ EXISTING AC PAVEMENT DRIVE TO BE REMOVED BY OTHERS.
- ⑤ REMOVE EXISTING PARKING LOT, CURB, AND SIDEWALK WITHIN PROJECT EXTENTS.
- ⑥ REMOVE EXISTING TREE. (TYP. OF 7)
- ⑦ EXISTING TREES TO BE REMOVED BY OTHERS. (TYP. OF 8)
- ⑧ EXISTING SHED TO BE REMOVED BY OTHERS.



SURVEY NOTES:

THE VERTICAL DATUM FOR THIS SURVEY IS BASED UPON POST-PROCESSED GPS STATIC OBSERVATION OF INDEPENDENT CONTROL, PROCESSED THROUGH OPUS, DATUM IS NAVD 88, CONVERTED TO NGVD 29 THROUGH THE VERTCON PROCESS TOOL.

A TRIMBLE S6-SERIES ROBOTIC INSTRUMENT WAS USED TO COMPLETE A CLOSED LOOP FIELD TRAVERSE.

THE BASIS OF BEARINGS FOR THIS SURVEY IS PER MONUMENTS FOUND AND HELD PER PARTITION PLAT 2006-55, RECORDS OF MARION COUNTY.

THE PURPOSE OF THIS SURVEY IS TO RESOLVE AND DETERMINE THE PERIMETER BOUNDARY OF THE SUBJECT PROPERTY, TO SHOW ALL PERTINENT BOUNDARY ISSUES AND ENCROACHMENTS. NO PROPERTY CORNERS WERE SET IN THIS SURVEY.

NO WARRANTIES ARE MADE AS TO MATTERS OF UNWRITTEN TITLE, SUCH AS ADVERSE POSSESSION, ESTOPPEL, ACQUIESCENCE, ETC.

NO TITLE REPORT WAS SUPPLIED OR USED IN THE PREPARATION OF THIS MAP.

THE UNDERGROUND UTILITIES AS SHOWN ON THIS MAP HAVE BEEN LOCATED FROM FIELD SURVEY OF ABOVE GROUND STRUCTURES AND AS MARKED BY OTHERS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. SUBSURFACE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY SURVEYOR.

NO WATERLINES WERE LOCATED PER LOCATES TICKET NUMBER 16168193. WATERLINES NEED TO BE FIELD VERIFIED.

LEGEND

- NOTE: SOME SYMBOLS MAY NOT BE USED ON MAP
- | | | | |
|--|----------------------------|--|-----------------------------------|
| | DECIDUOUS TREE | | UTILITY AND LIGHT POLE |
| | EVERGREEN TREE | | UTILITY POLE |
| | STORM SEWER MANHOLE | | LIGHT POLE |
| | CATCH BASIN | | GUY WIRE |
| | SANITARY SEWER CLEANOUT | | ELECTRIC BOX |
| | SANITARY SEWER MANHOLE | | ELECTRIC METER |
| | WATER VALVE | | ELECTRIC POWER PEDESTAL |
| | WATER METER | | ELECTRIC RISER |
| | FIRE HYDRANT | | HEAT PUMP |
| | GAS VALVE | | WETLAND BOUNDARY |
| | GAS METER | | OVERHEAD LINE |
| | BOLLARD | | GAS LINE |
| | SIGN | | ELECTRICAL LINE |
| | MAILBOX | | COMMUNICATIONS LINE |
| | COMMUNICATIONS PEDESTAL | | SANITARY SEWER LINE |
| | COMMUNICATIONS MANHOLE | | STORM DRAIN LINE |
| | COMMUNICATIONS BOX | | WATER LINE |
| | STORM OUTFALL | | FENCELINE |
| | FOUND MONUMENT | | GAS RISER |
| | DOWN SPOUT TO STORM SYSTEM | | DOWN SPOUT TO SPLASH GUARD/GROUND |
| | WELL HEAD | | GAS STUB |
| | | | WATER BLOWOFF |

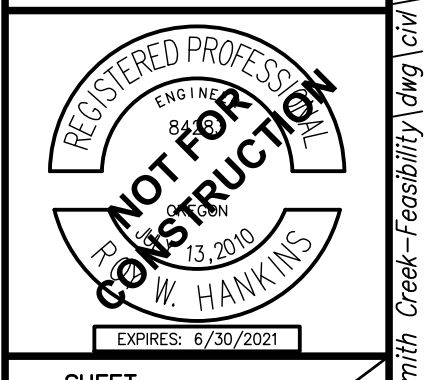
**SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON**

**EXISTING CONDITIONS AND
DEMOLITION PLAN**

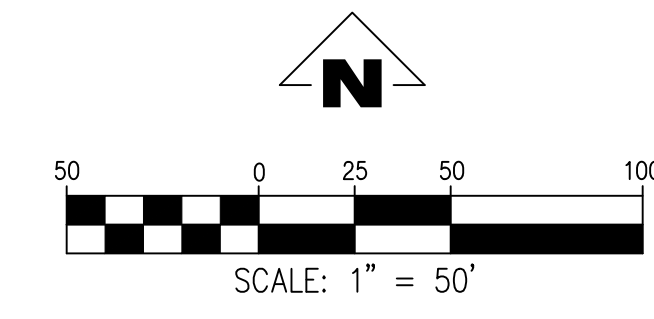
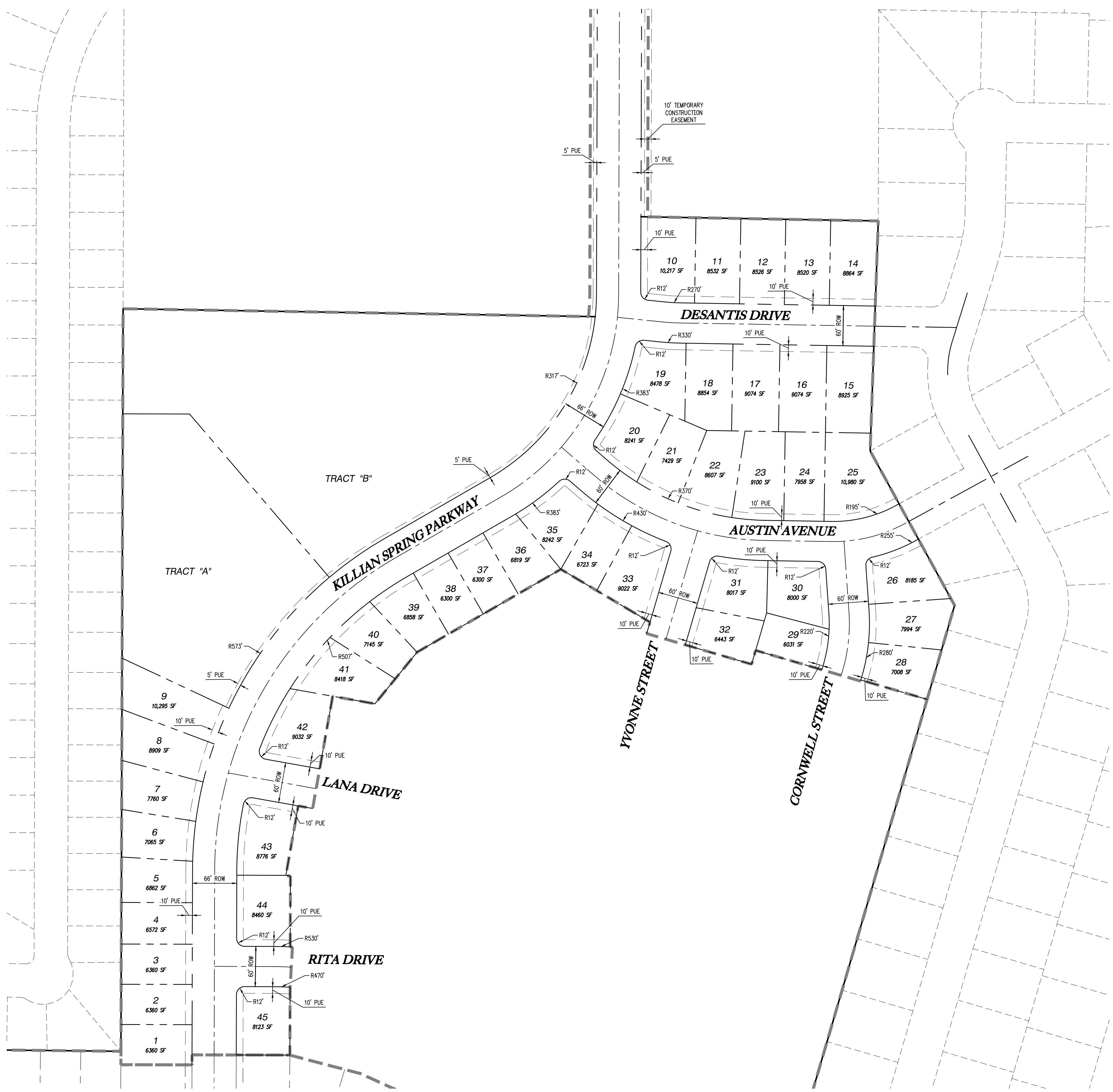
REVISIONS	
NO.	DESCRIPTION
0	04/2020 1ST SUBMITTAL

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FILE: P:\471-001-Smith_Creek-Feasibility\dwg\Phase_3B\471-001_Devel.dwg (Phase_3B) 4/13/2020 2:16 PM, by: an.felits 471-001



CONSTRUCTION NOTES:

- ① PLAT SHALL BE PROCESSED UNDER A DIFFERENT PERMIT

TRACT AREAS	
A	87,283 SQ. FT
B	174,165 SQ. FT

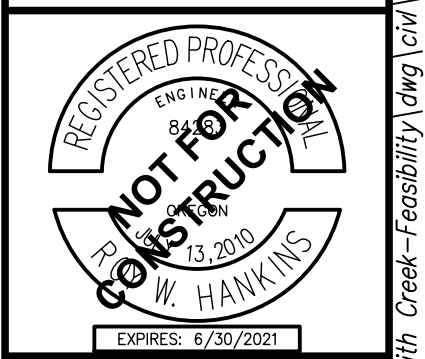
**SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON**

PRELIMINARY PLAT

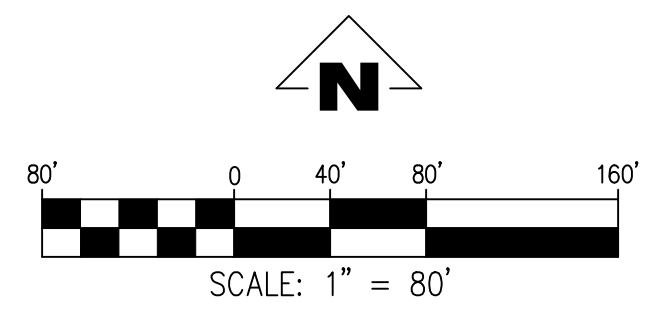
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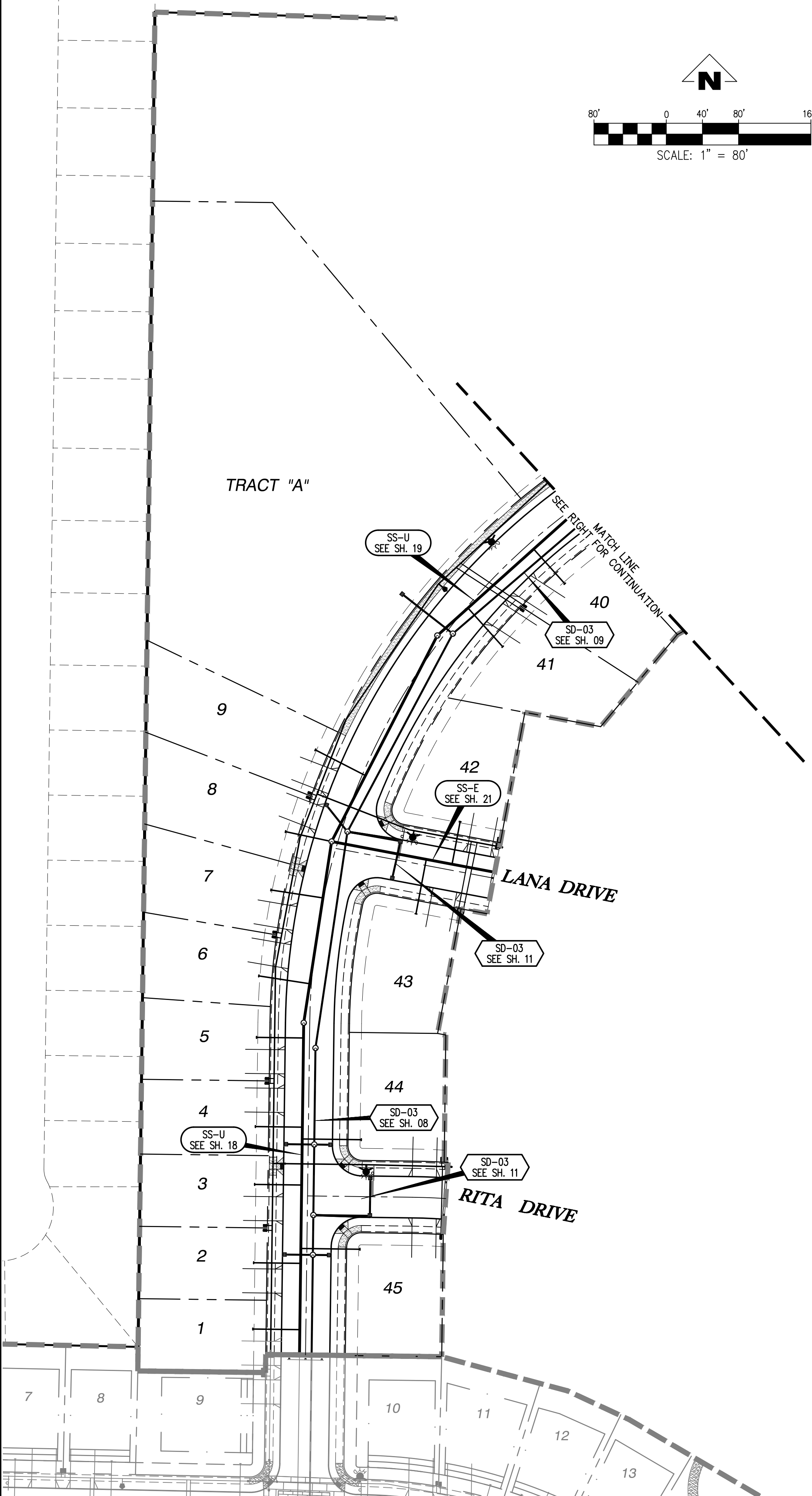
2677 WILLAKENZIE ROAD, SUITE 1A
WOODBURN, OREGON 97149
TEL: (503) 746-8812
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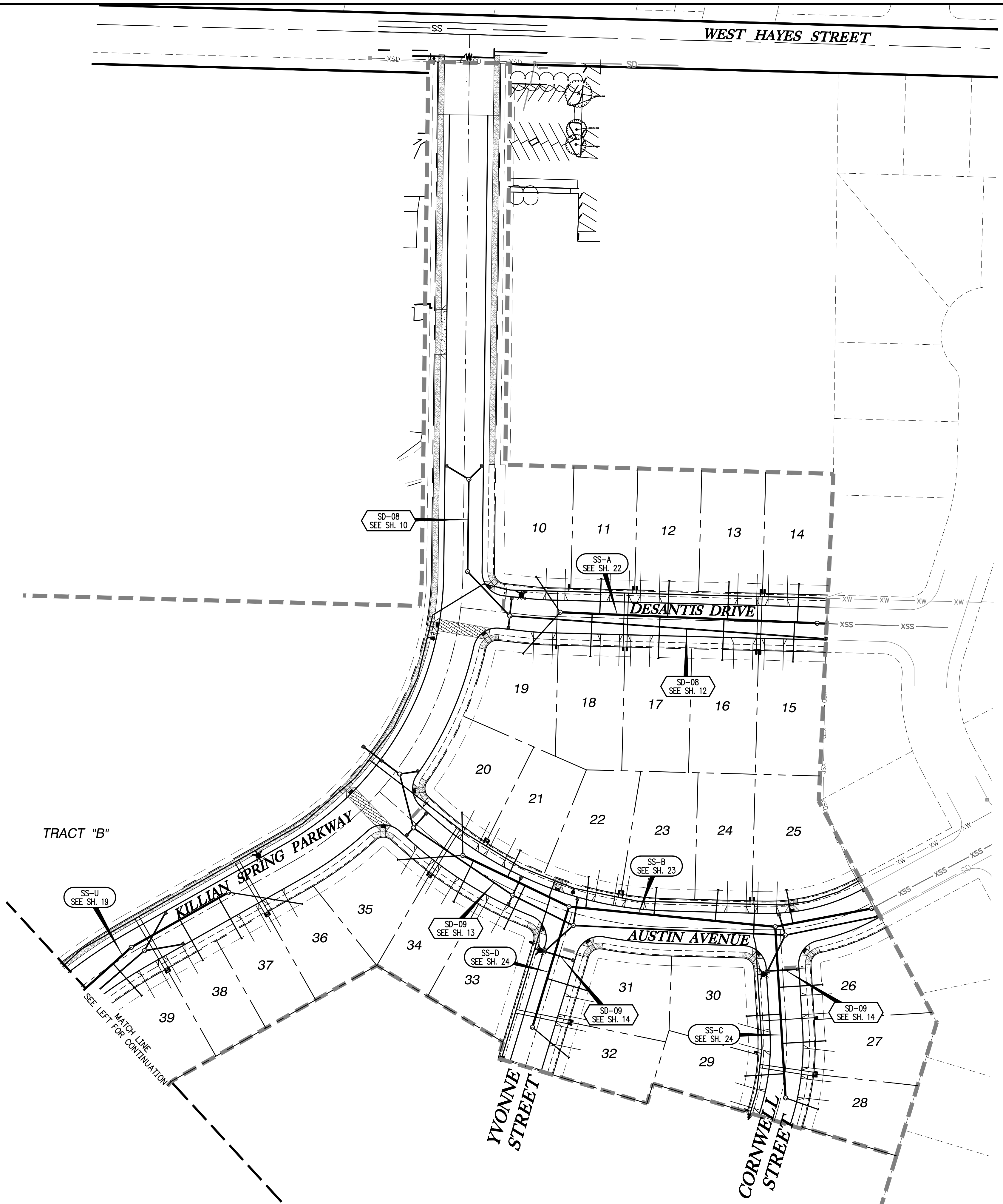
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TRACT "A"



TRACT "B"



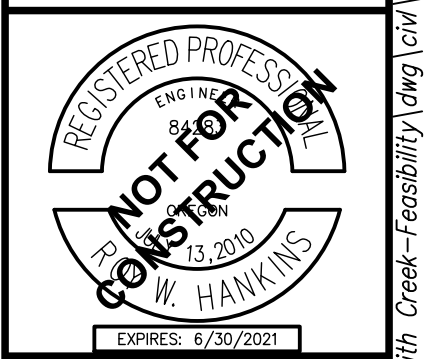
SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

COMPOSITE UTILITY PLAN

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

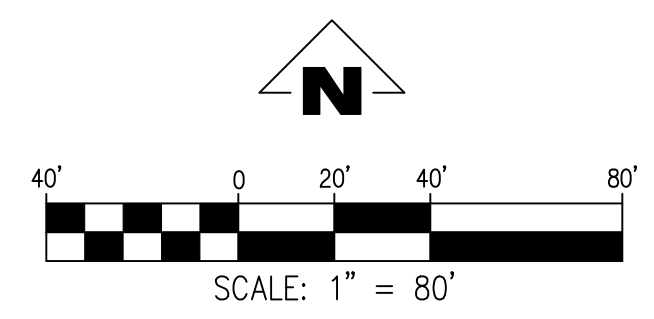
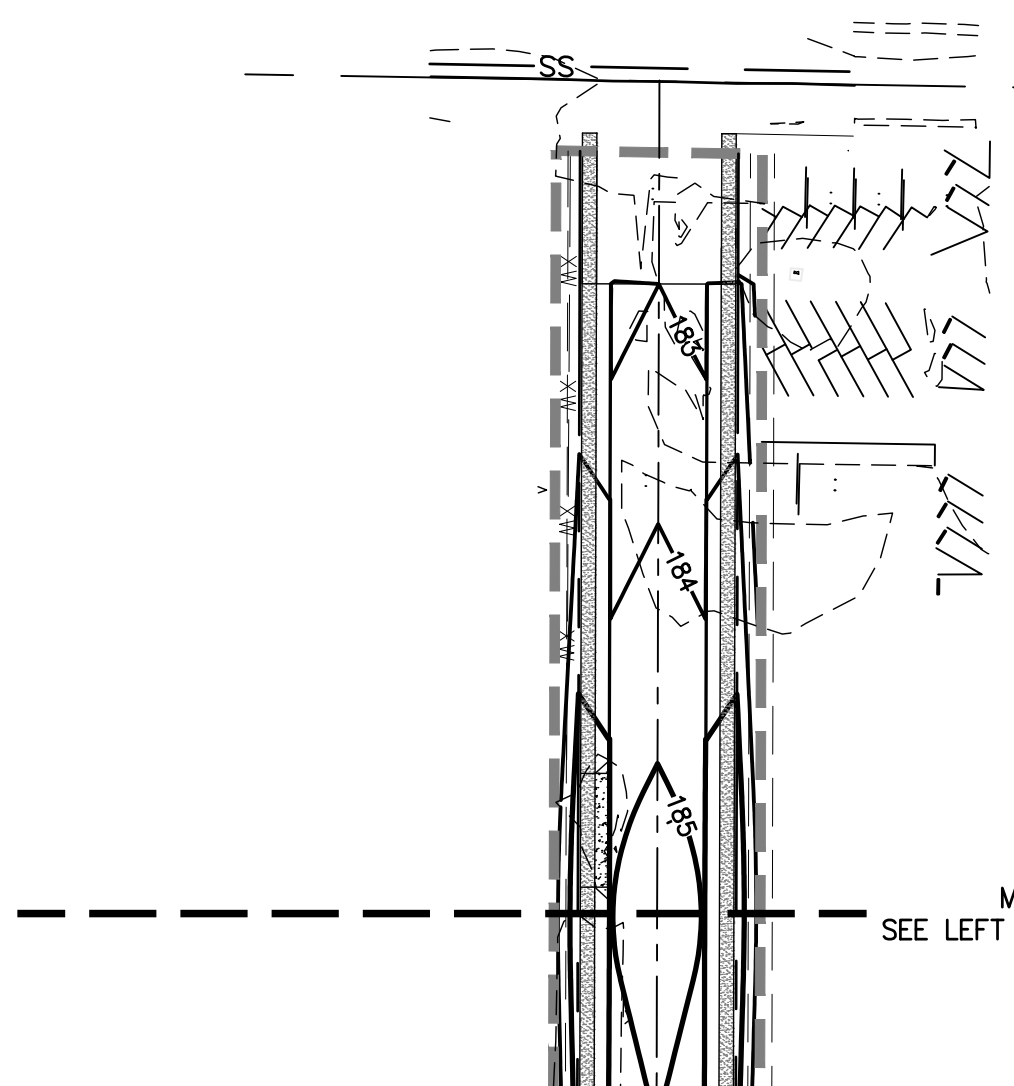
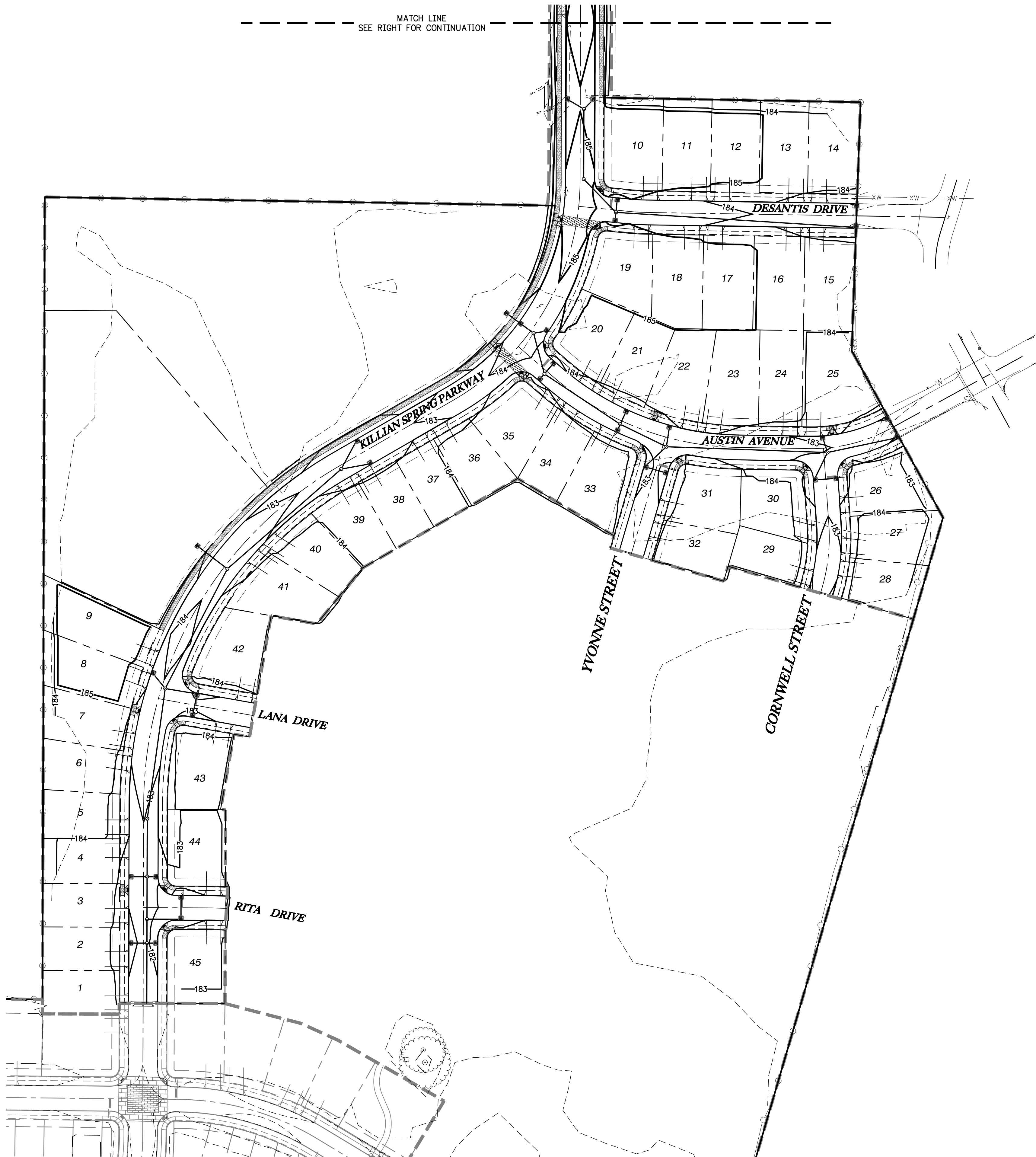
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SHEET
06
 OF
31

FILE: P:\471-001-Smith_Creek-Feasibility\dwg\Phase_3B\471-001_Comp_Utility_Plan_Plot.dwg, Plot Date: 4/13/2020 2:17 PM, by: an Felts 471-001



GENERAL NOTES:

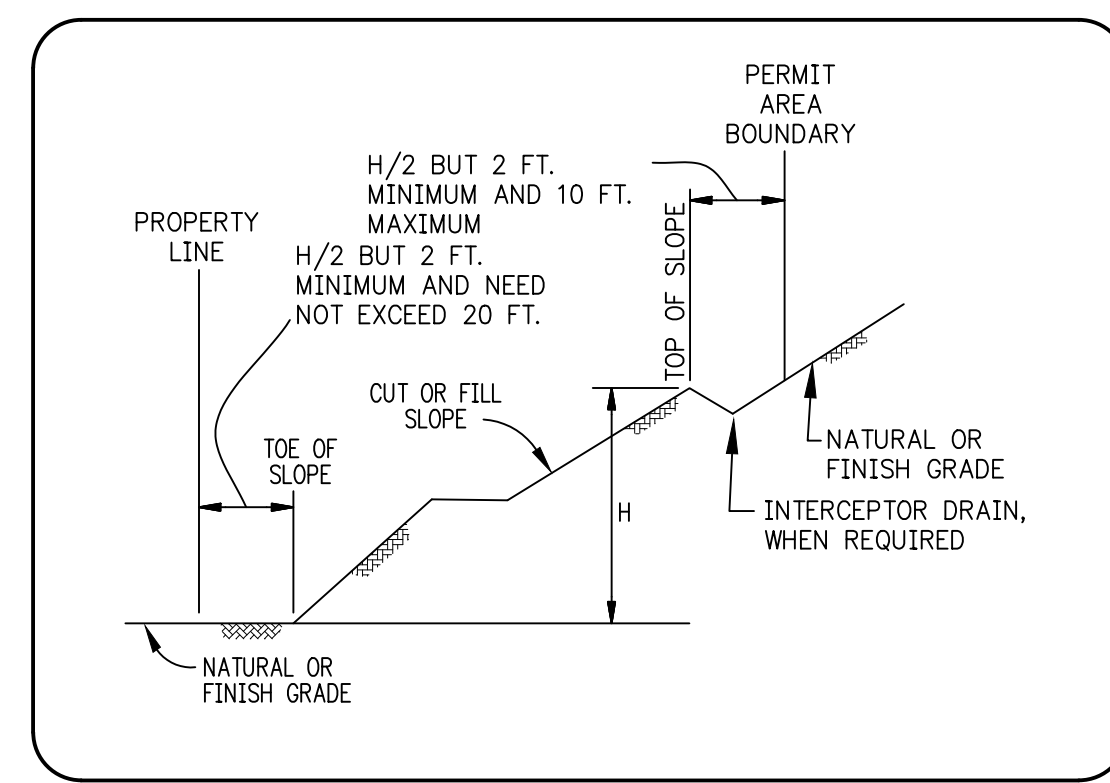
- A. SEE 1200-C DRAWINGS FOR EROSION CONTROL PLAN.
- B. SITE GRADING SHALL NOT RESULT IN THE IMPOUNDMENT OF STORM WATER ON ADJACENT PROPERTIES.
- C. 6" STRIPPINGS SHALL BE PLACED ON TOP OF STRUCTURAL FILL FOR ALL LOTS EXCEPT ALLEY LOADED.

EARTHWORK SUMMARY	
	VOLUME IN CY
CUT	2,595
FILL	15,480
NET	12,885

NOTE: STRIPPING AND TRENCH SPOILS ARE NOT INCLUDED IN THIS CALCULATION, CONTRACTOR SHALL INDEPENDENTLY VERIFY VOLUMES.

LEGEND

- TW TOP OF WALL
- BW BOTTOM OF WALL
- RW RETAINING WALL



SETBACK LIMITATIONS
N.T.S.

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

GRADING PLAN

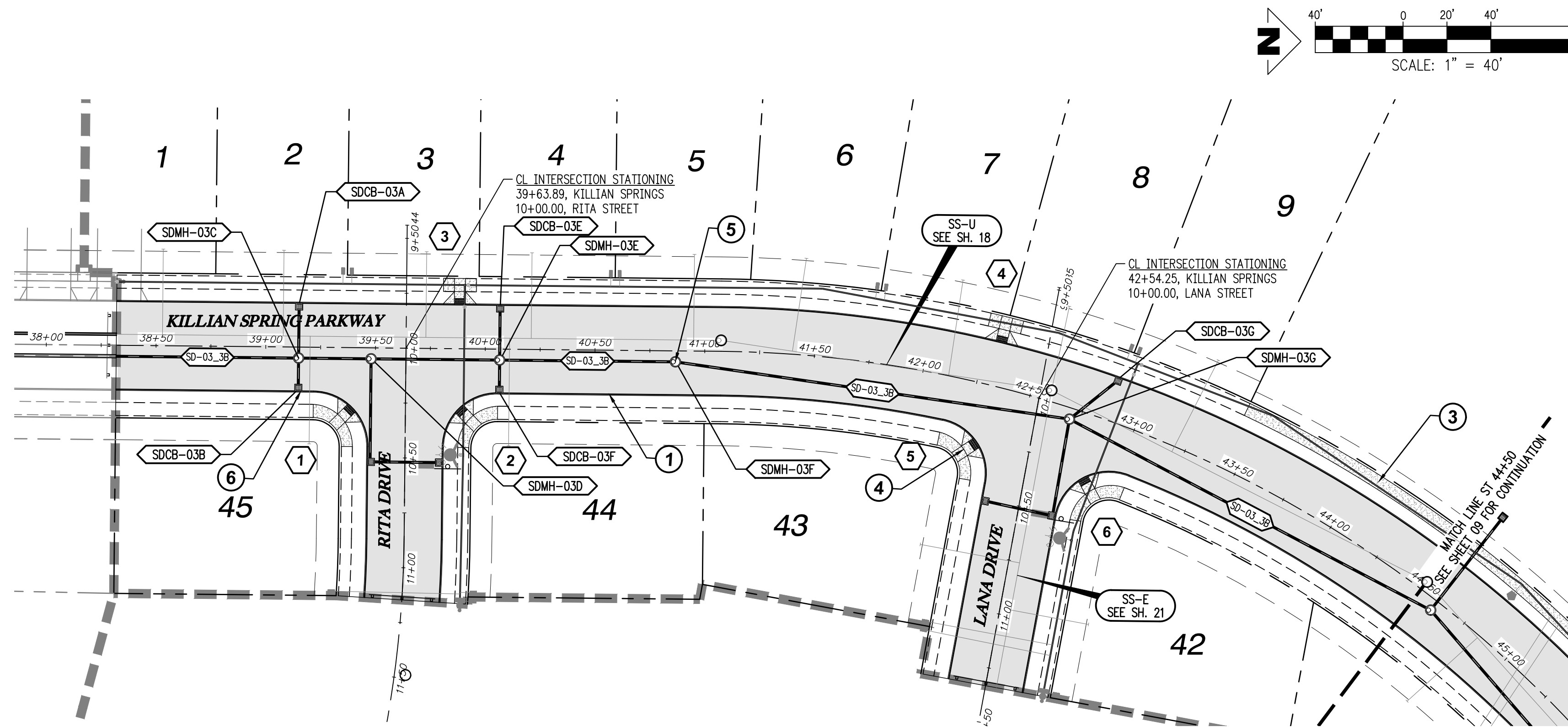
REVISIONS	
NO.	DESCRIPTION
0	1ST SUBMITTAL

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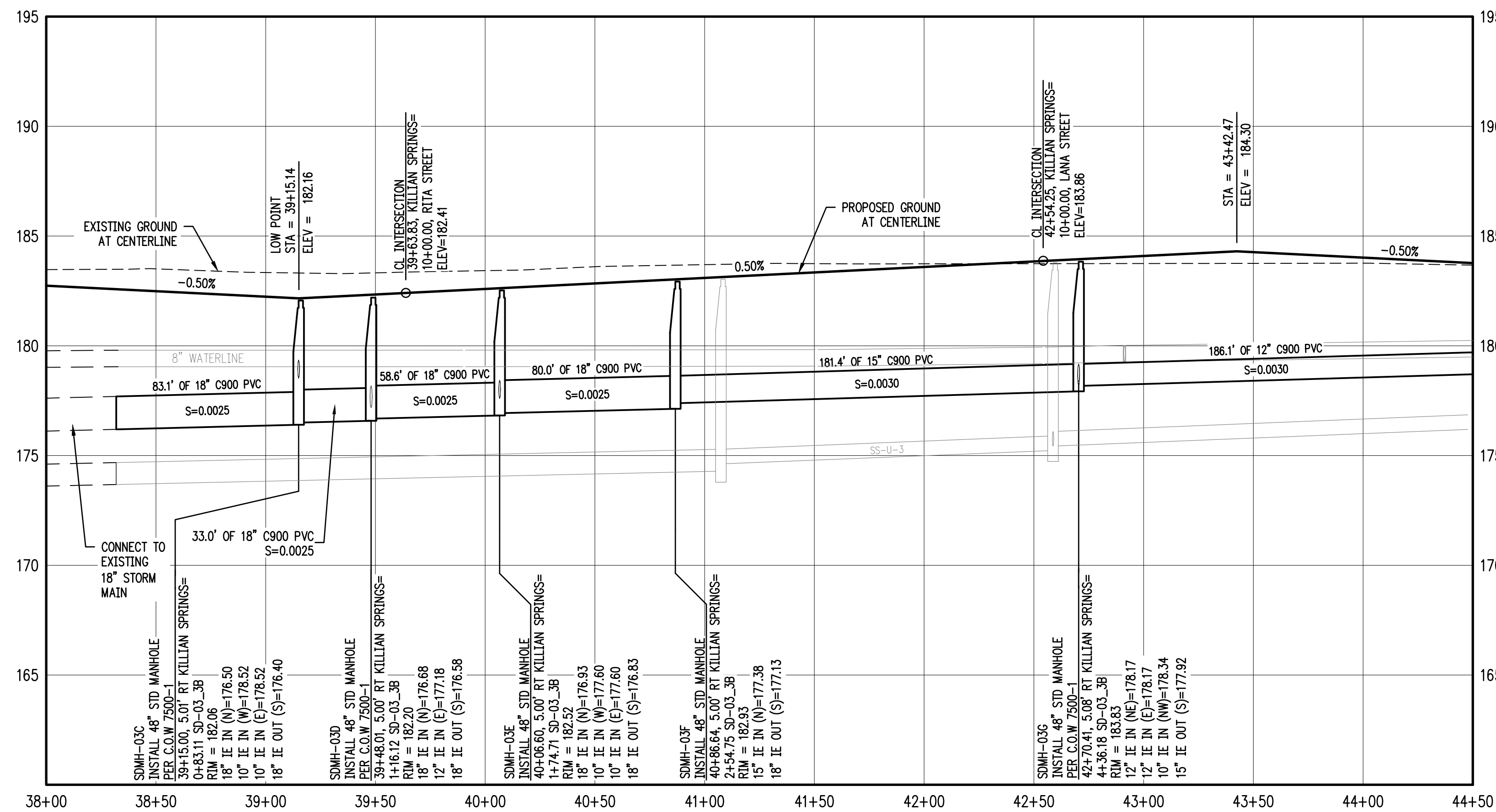
REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HANKINS
EXPIRES: 6/30/2021

FILE: P:\471-001-Smith-Creek-Feasibility\dwg\csm\Phase 3B\471-001_Grad. Layout_07 GRADING PLAN.dwg Plot Date: 4/13/2020 2:18 PM. by: Ian Felis 471-001



KILLIAN SPRING PARKWAY & STORM SD-03 PLAN STA 38+00 TO 44+50 PLAN

SCALE: 1"=40'



KILLIAN SPRING PARKWAY & STORM SD-03 STA 38+00 TO 44+50 PROFILE

SCALE: H:1"=40' V:1"=4'

GENERAL NOTES:

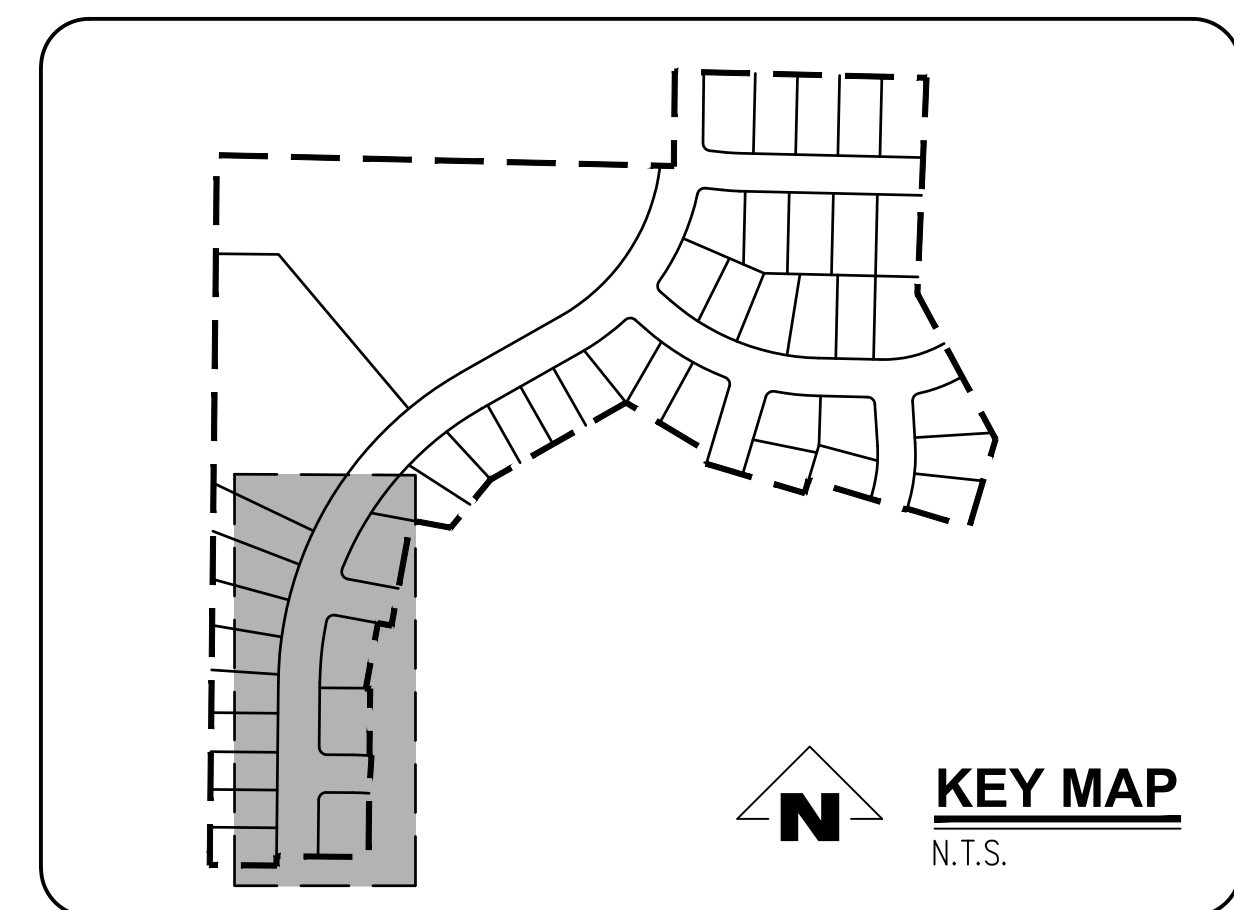
- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

CONSTRUCTION NOTES:

- ① INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- ② NOT USED.
- ③ INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- ④ INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- ⑤ INSTALL STORM MH PER C.O.W. 7500-1
- ⑥ INSTALL CB PER C.O.W. 7500-4

CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-03A	INSTALL CATCH BASIN PER C.O.W. 7100-4	39+15.00 19.83' LT	181.77	178.77	0.0100	24.84 LF 10" C900 PVC
SDCB-03B	INSTALL CATCH BASIN PER C.O.W. 7100-4	39+15.00 19.83' RT	181.77	178.77	0.0169	14.83 LF 10" C900 PVC
SDCB-03E	INSTALL CATCH BASIN PER C.O.W. 7100-4	40+06.58 19.83' LT	182.23	179.23	0.0658	24.84 LF 10" C900 PVC
SDCB-03F	INSTALL CATCH BASIN PER C.O.W. 7100-4	40+06.58 19.83' RT	182.22	179.23	0.1099	14.83 LF 10" C900 PVC
SDCB-03G	INSTALL CATCH BASIN PER C.O.W. 7100-4	42+85.66 19.83' LT	183.62	178.44	0.0033	29.32 LF 10" C900 PVC



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

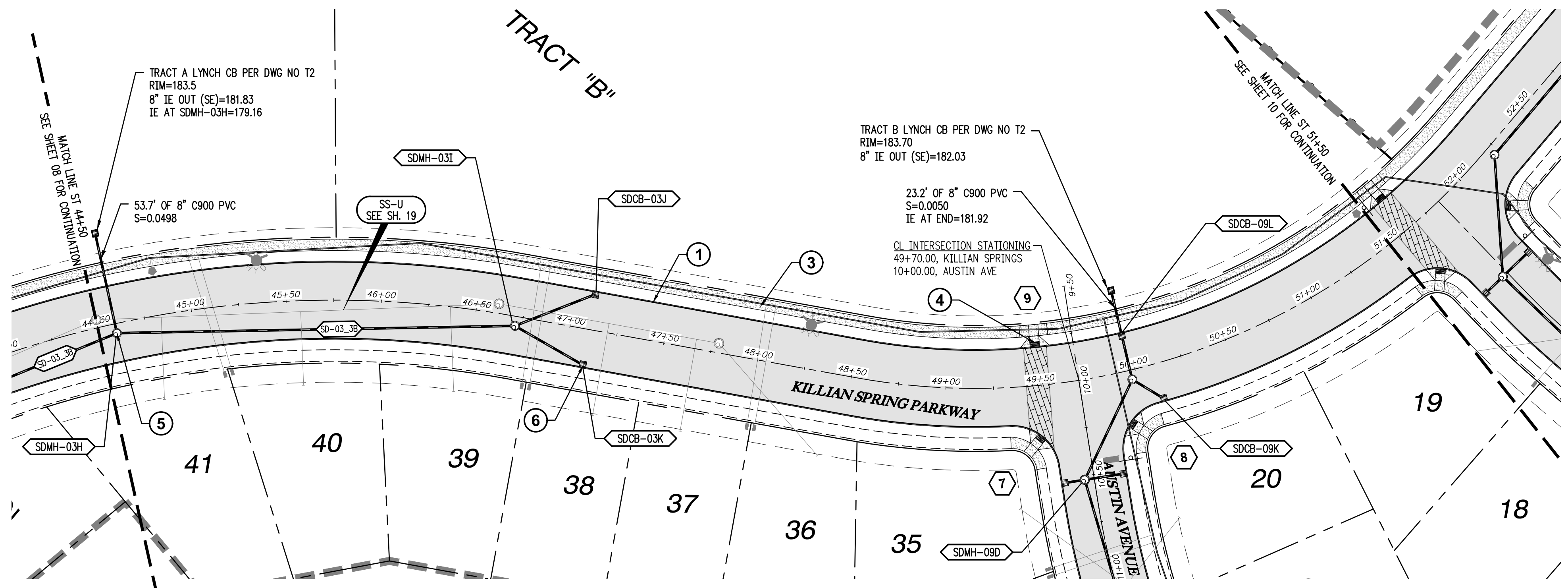
KILLIAN SPRING & SD-03
STA 38+00 TO 44+50 PLAN
& PROFILE

REVISIONS	
NO.	DESCRIPTION
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REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HAWKINS
EXPIRES: 6/30/2021



KILLIAN SPRING PARKWAY & STORM SD-03 STA 44+50 TO 51+50 PLAN
SCALE: 1"=40'

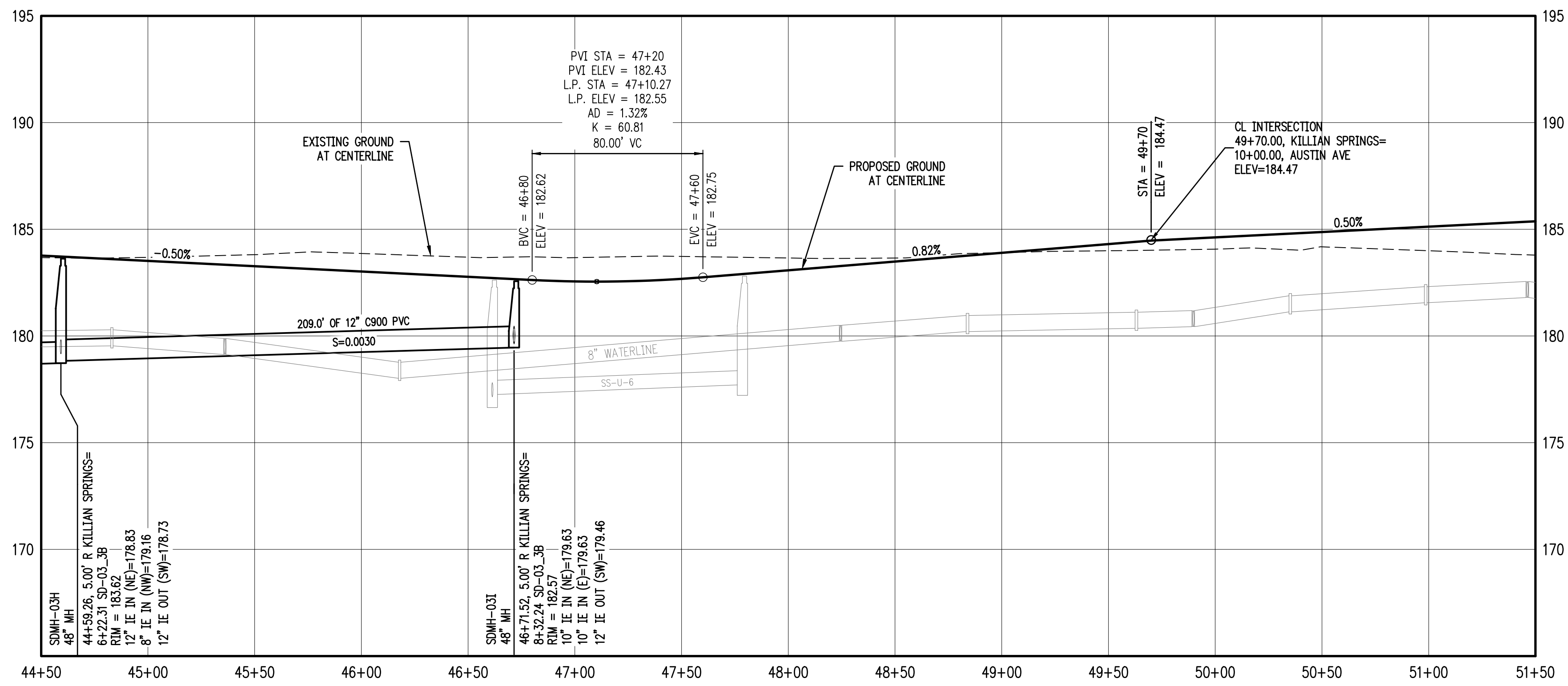
- GENERAL NOTES:**
- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
 - C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

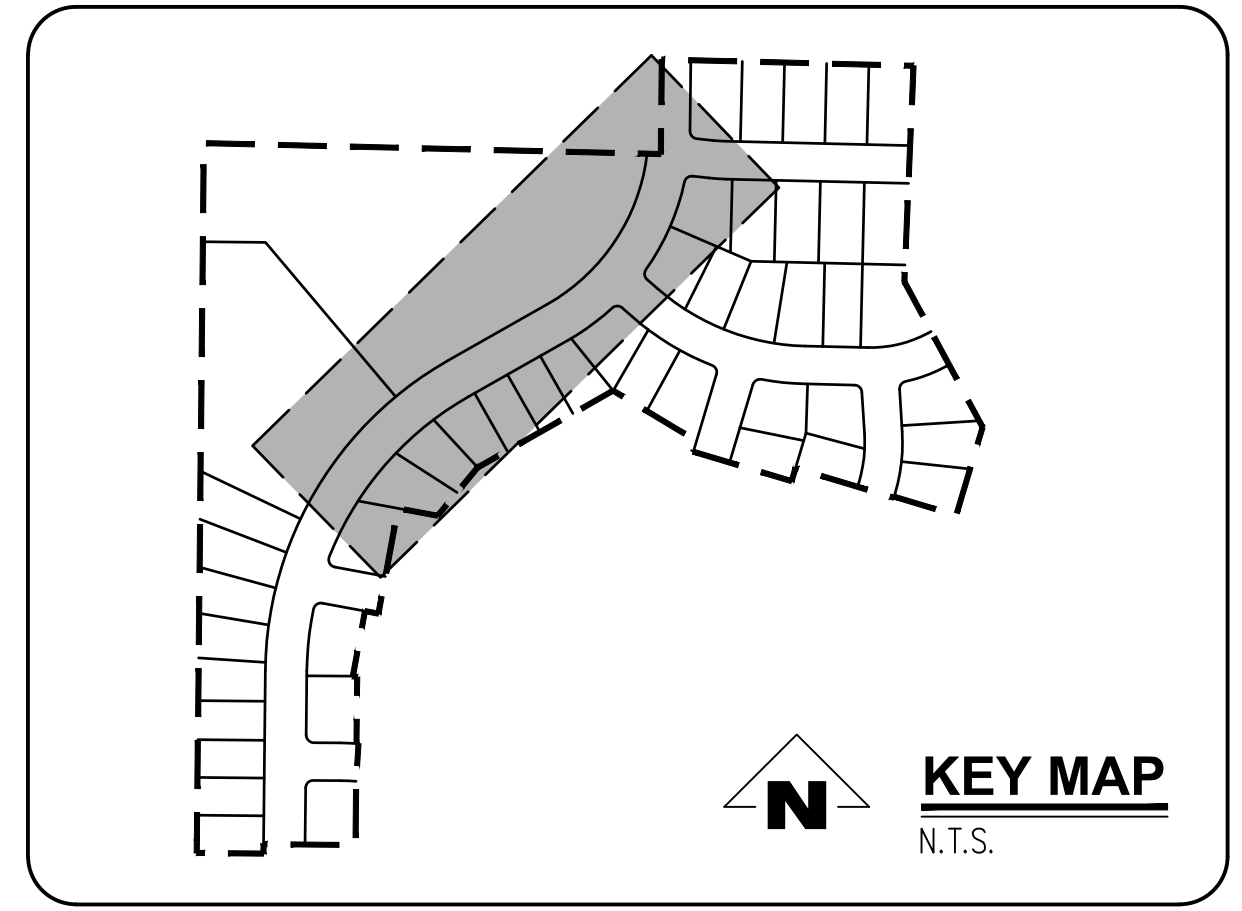
CONSTRUCTION NOTES:

- ① INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- ② NOT USED.
- ③ INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- ④ INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- ⑤ INSTALL STORM MH PER C.O.W 7500-1
- ⑥ INSTALL CB PER C.O.W. 7500-4

CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-03J	INSTALL CATCH BASIN PER C.O.W 7100-4	47+10.27 19.83' LT	182.15	179.78	0.0033	46.02 LF 10" C900 PVC
SDCB-03K	INSTALL CATCH BASIN PER C.O.W 7100-4	47+10.27 19.83' RT	182.15	179.76	0.0033	41.49 LF 10" C900 PVC
SDCB-09K	INSTALL CATCH BASIN PER C.O.W 7100-4	50+10.56 19.83' RT	184.28	181.09	0.0033	20.13 LF 10" C900 PVC
SDCB-09L	INSTALL CATCH BASIN PER C.O.W 7100-4	49+97.42 19.84' LT	184.21	181.11	0.0033	24.84 LF 10" C900 PVC



KILLIAN SPRING PARKWAY & STORM SD-03 STA 44+50 TO 51+50 PROFILE
SCALE: H: 1"=40' V: 1"=4'



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

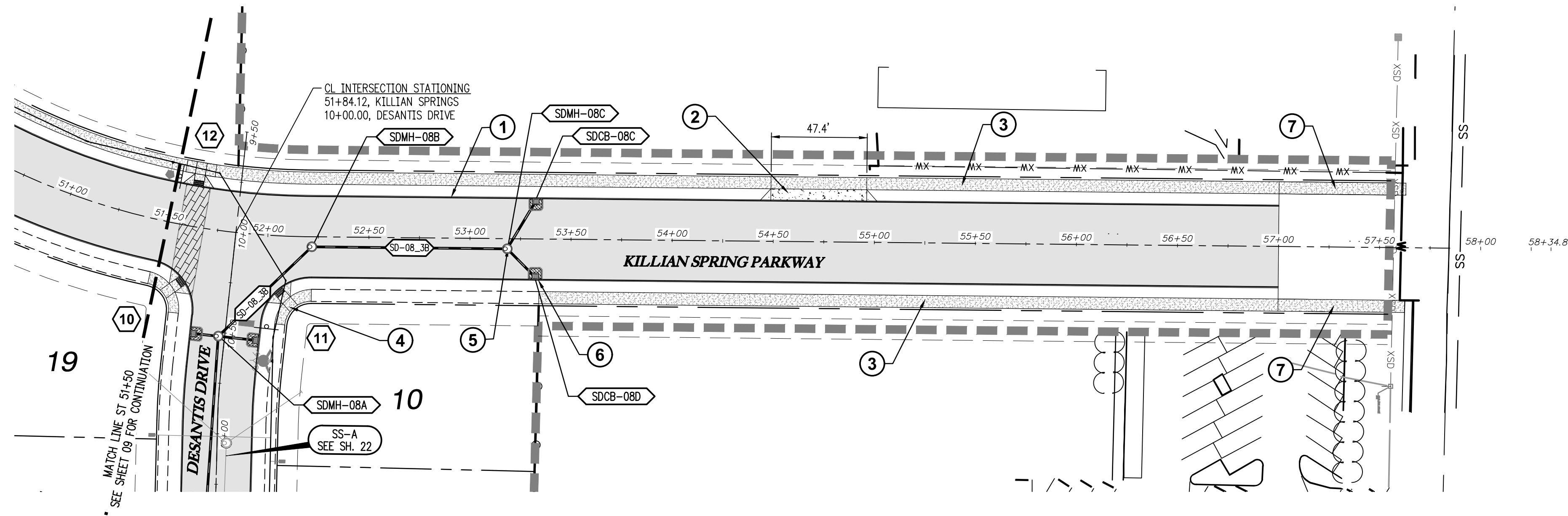
KILLIAN SPRING & SD-03
STA 44+50 TO 51+50 PLAN &
PROFILE

REVISIONS		
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

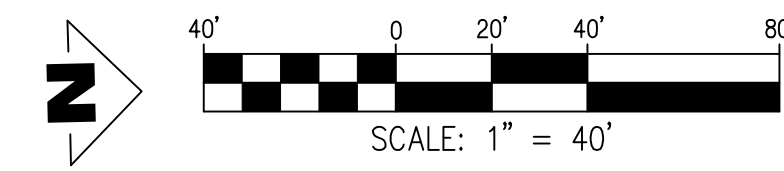
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FILE: P:\471-001-Smith_Creek-Feasibility (dwg)\Phase 3B\471-001_05s102_Layout_08 KILLIAN SPRING & SD-03 STA 44+50 TO 51+50 PLAN & PROFILE_Plot Date: 4/13/2020 2:19 PM, Dxf: Ian Fellis 471-001



KILLIAN SPRING PARKWAY & STORM SD-08 STA 51+50 TO 58+00 PLAN
SCALE: 1"=40'



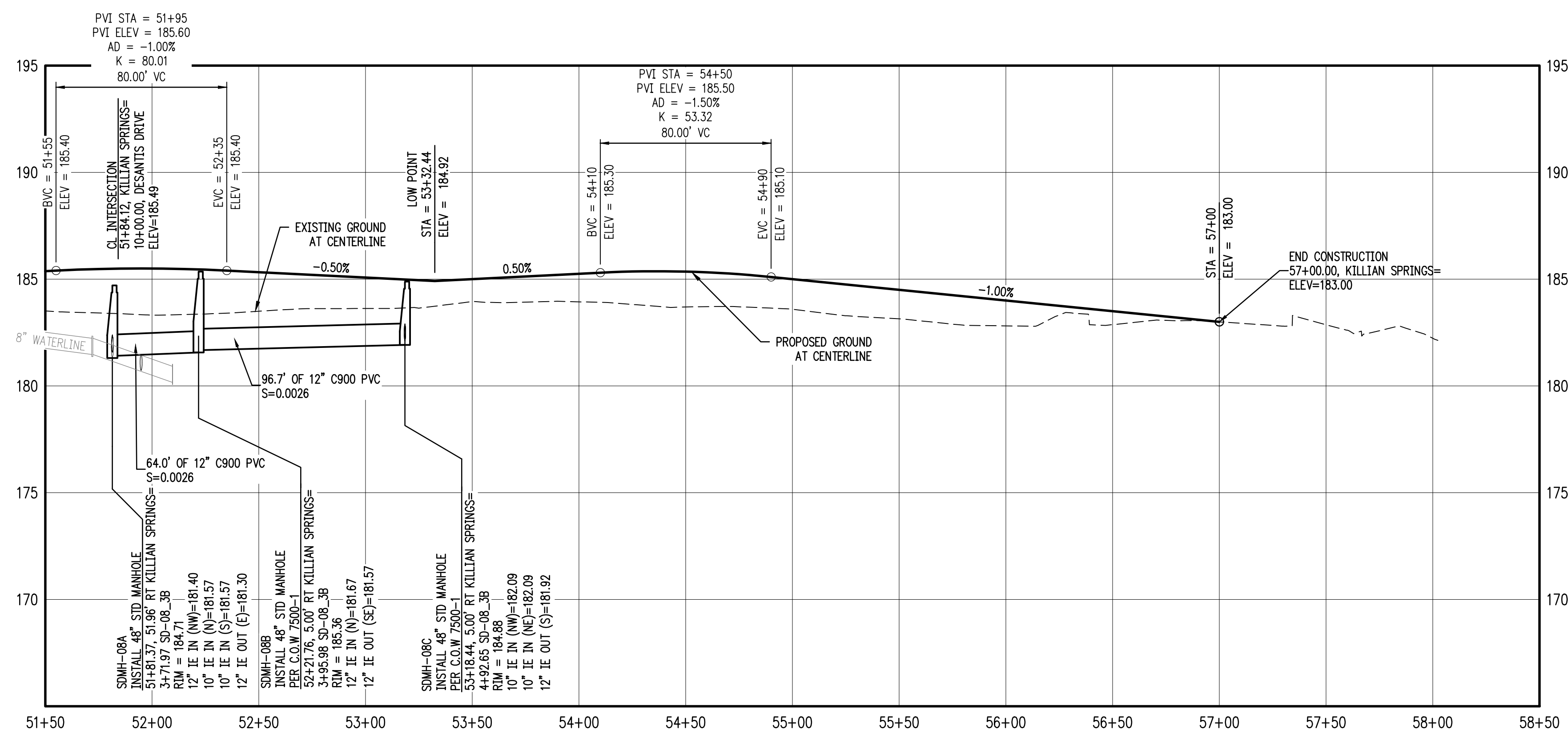
GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

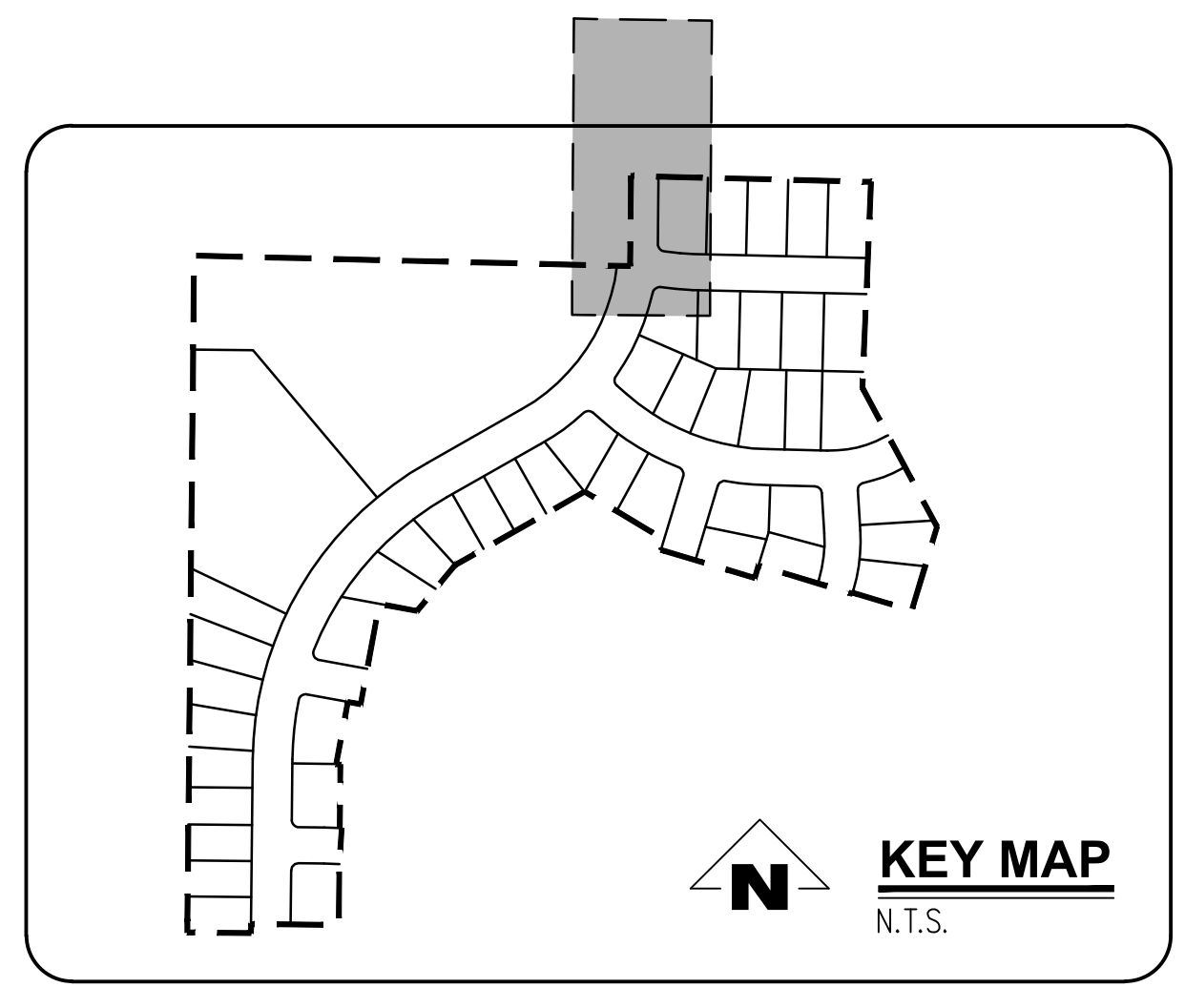
CONSTRUCTION NOTES:

- ① INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- ② STA 54+72.33, 20.0' LT KILLIAN SPRINGS
INSTALL DRIVEWAY APPROACH WITH TYPE "A" CURB AT DRIVEWAY PER C.O.W. DWG NO 4100-4 & 4150-1.
VERIFY DRIVEWAY APPROACH LOCATION WITH PROPERTY OWNER TO THE WEST PRIOR TO CONSTRUCTION.
NOTE: STATION AND OFFSET IS TO CENTER OF DRIVEWAY APPROACH AT THE FACE OF CURB.
- ③ INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- ④ INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- ⑤ INSTALL STORM MH PER C.O.W. 7500-1
- ⑥ INSTALL CB PER C.O.W. 7500-4
- ⑦ CONSTRUCT ASPHALT RAMP TAPERING TO EXISTING GRADE. (TYP. OF 2), EXTEND TO HAYES STREET



KILLIAN SPRING PARKWAY & STORM SD-08 STA 51+50 TO 58+00 PROFILE
SCALE: H:1"=40' V:1"=4'

CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-08C	INSTALL CATCH BASIN PER C.O.W 7100-4	53+32.43 19.83' LT	184.52	182.18	0.0033	28.51 LF 10" C900 PVC
SDCB-08D	INSTALL CATCH BASIN PER C.O.W 7100-4	53+32.43 19.83' RT	184.52	182.16	0.0033	20.39 LF 10" C900 PVC



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

KILLIAN SPRING & SD-03
STA 51+50 TO 58+00 PLAN
& PROFILE

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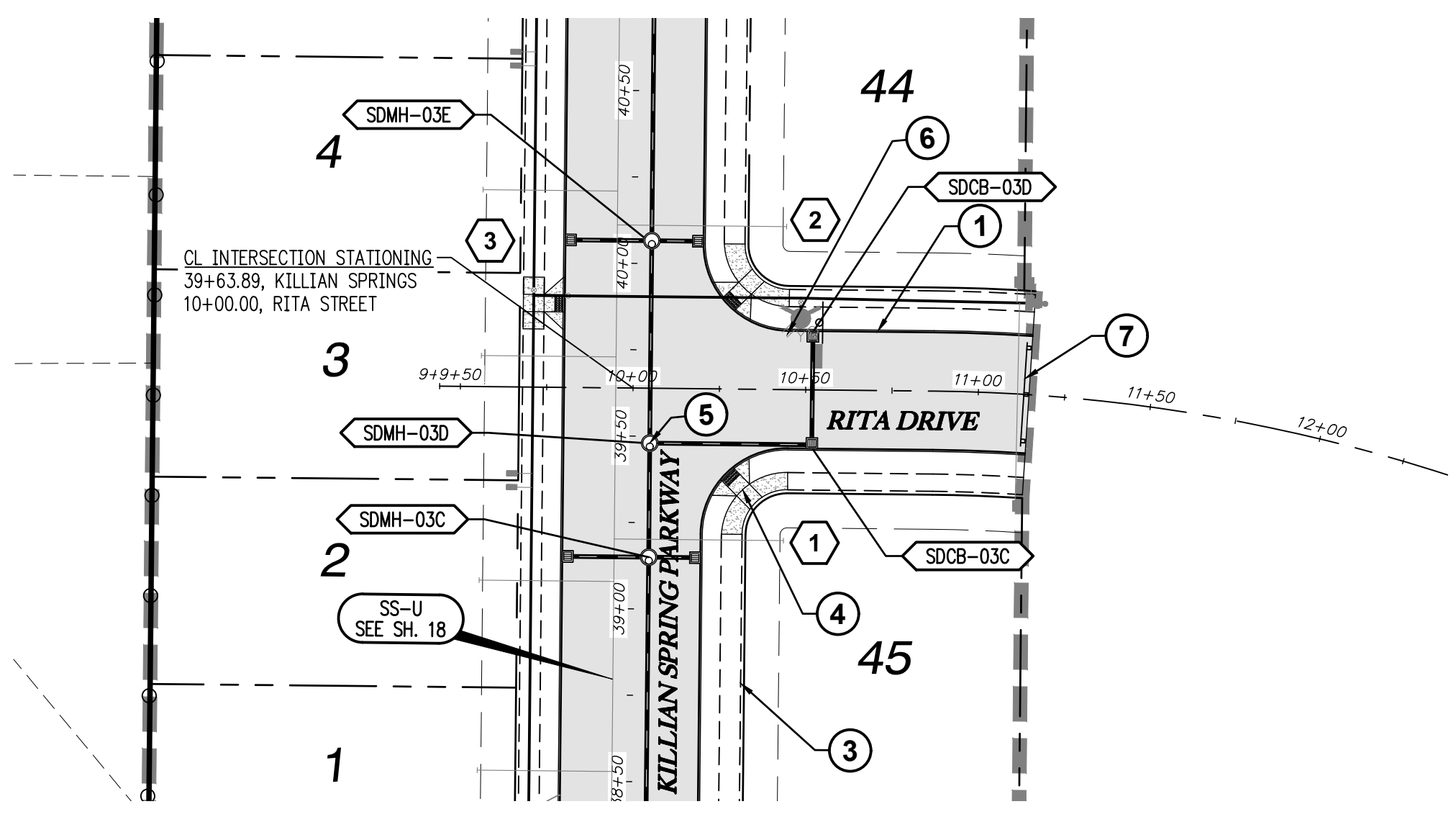
REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HANKINS
EXPIRES: 6/30/2021

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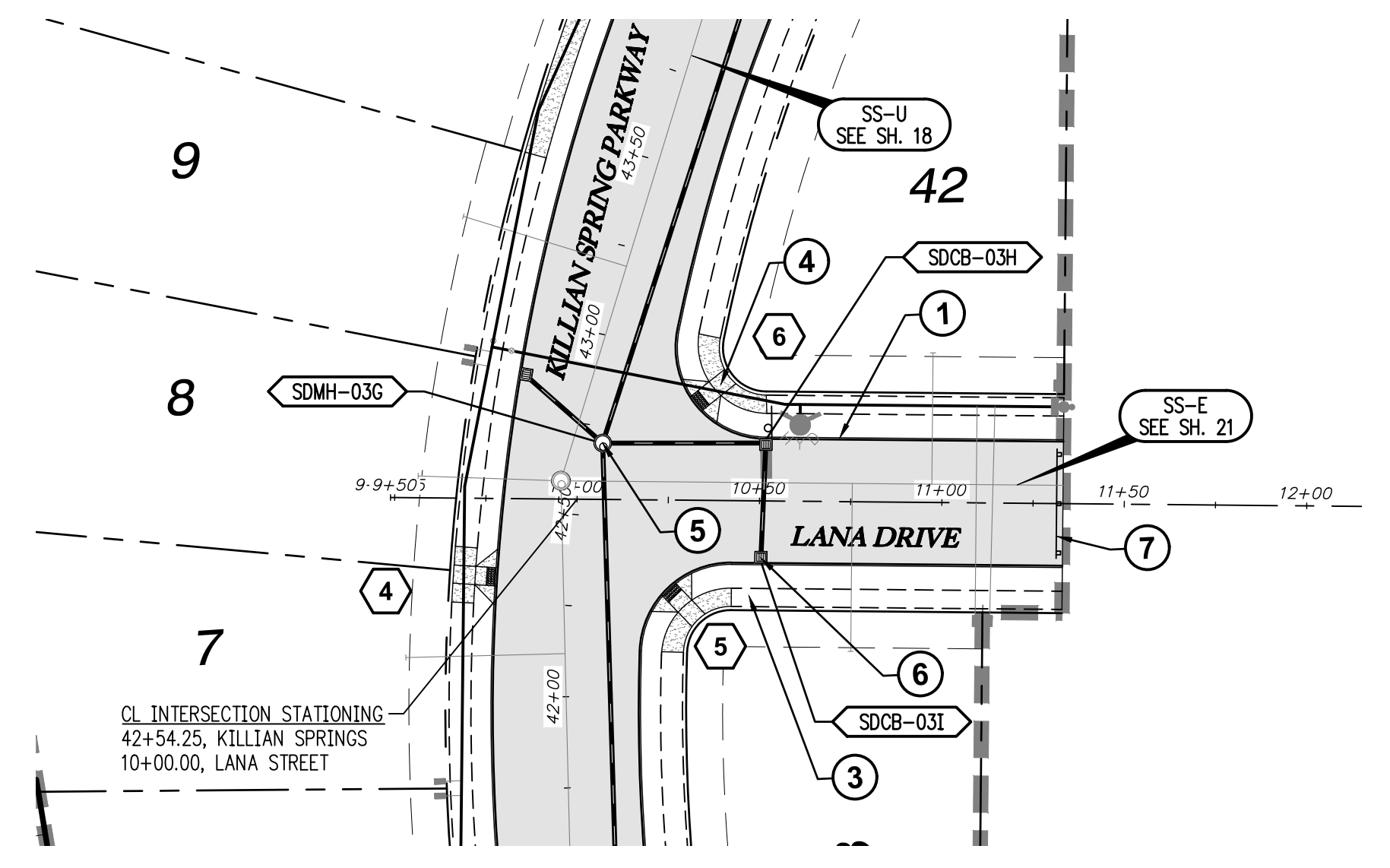


- GENERAL NOTES:**
- THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
 - SEE SHEET 3 FOR TYPICAL STREET SECTIONS.
- ⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

- CONSTRUCTION NOTES:**
- INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
 - NOT USED.
 - INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
 - INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
 - INSTALL STORM MH PER C.O.W 7500-1
 - INSTALL CB PER C.O.W. 7500-4
 - INSTALL TEMPORARY TYPE III BARRICADE PER ODOT DWG NO TM820.

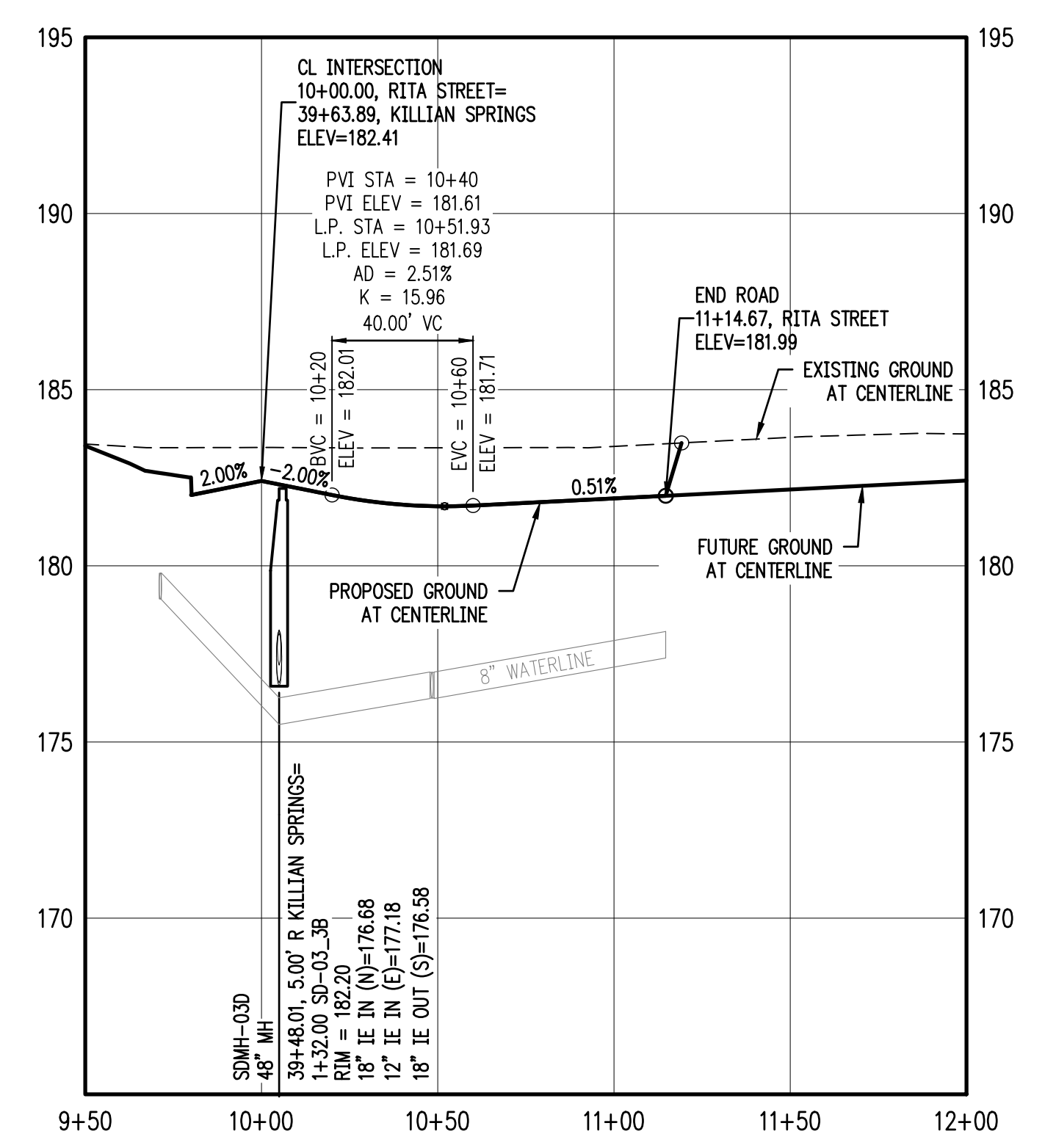


RITA DRIVE & STORM SD-03 STA 9+50 TO 12+00 PLAN
 SCALE: 1"=40'

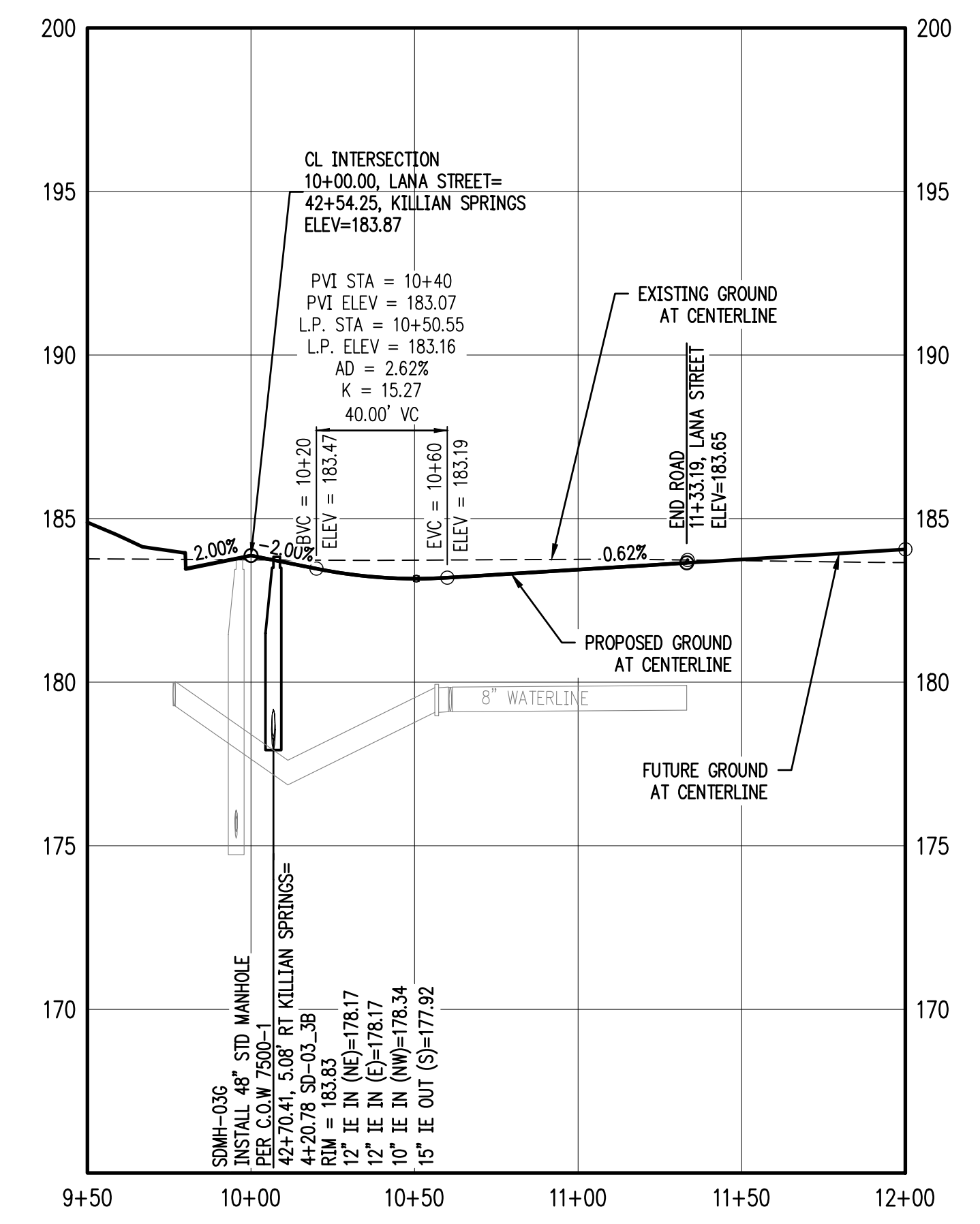


LANA DRIVE & STORM SD-03 STA 9+50 TO 12+00 PLAN
 SCALE: 1"=40'

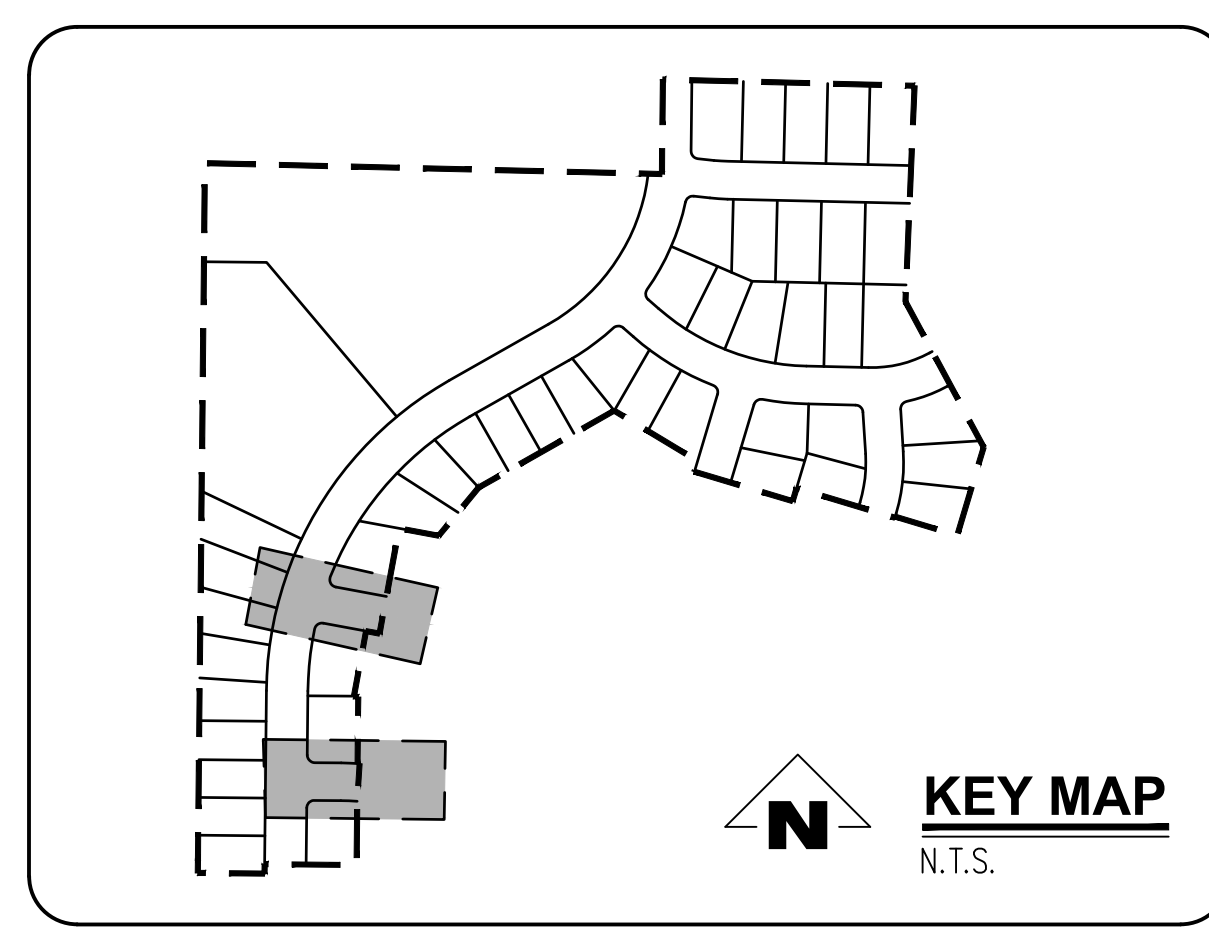
CATCH BASIN DATA TABLE					
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	PIPE DATA
SDCB-03C	INSTALL CATCH BASIN PER C.O.W 7100-4	10+51.93 16.83' RT	181.35	177.65	46.93 LF 12" C900 PVC
SDCB-03D	INSTALL CATCH BASIN PER C.O.W 7100-4	10+51.93 16.83' LT	181.35	178.15	33.67 LF 10" C900 PVC
SDCB-03H	INSTALL CATCH BASIN PER C.O.W 7100-4	10+51.59 16.83' LT	182.82	178.62	44.75 LF 12" C900 PVC
SDCB-03I	INSTALL CATCH BASIN PER C.O.W 7100-4	10+50.55 16.83' RT	182.83	179.12	33.68 LF 10" C900 PVC

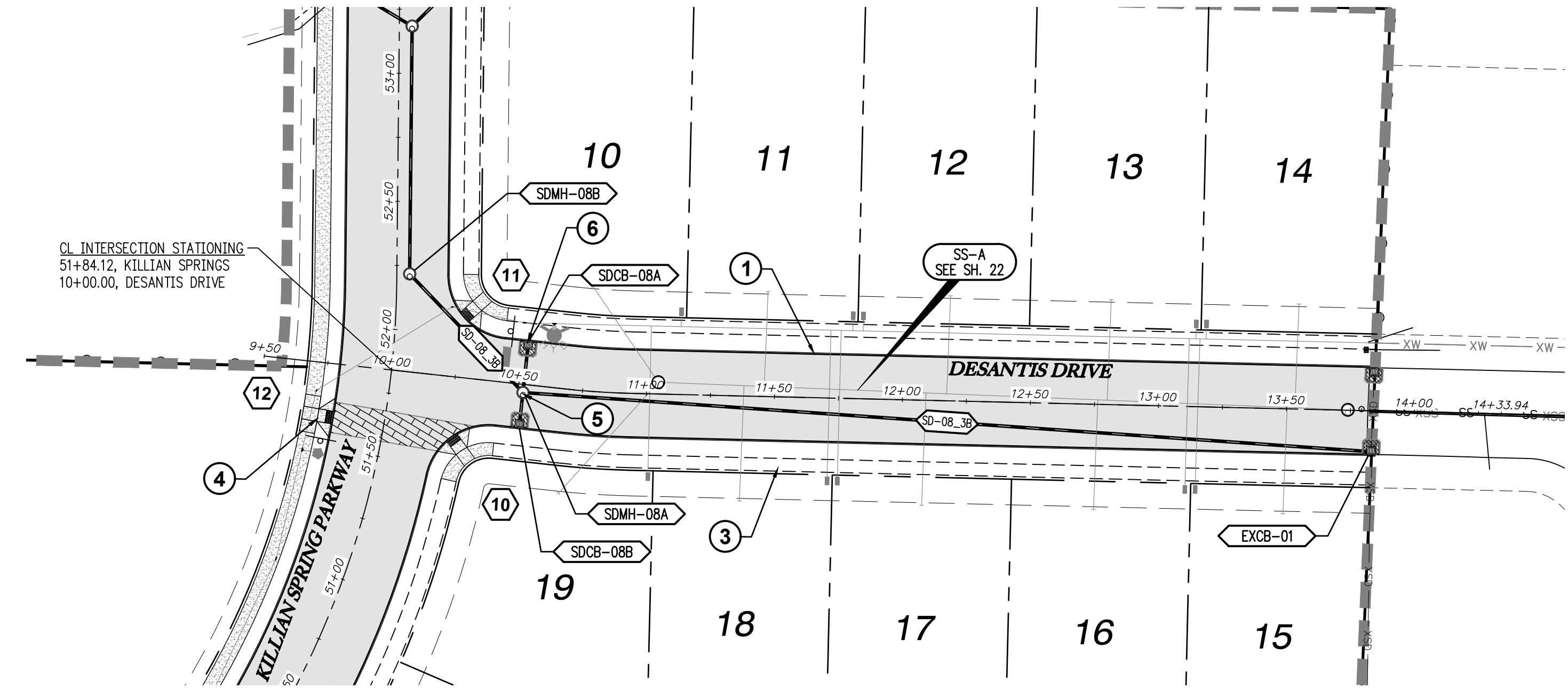
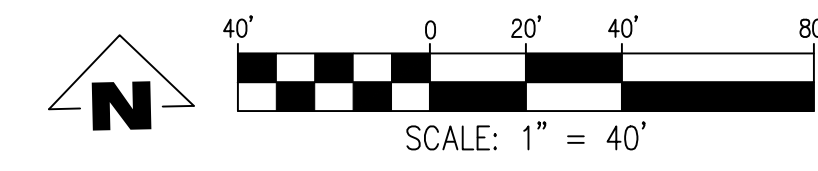


RITA DRIVE & STORM SD-03 STA 9+50 TO 12+50 PROFILE
 SCALE: H:1"=40' V:1"=4'



LANA DRIVE & STORM SD-03 STA 9+50 TO 12+00 PROFILE
 SCALE: H:1"=40' V:1"=4'





DESANTIS DR & STORM SD-08 STA 9+50 TO 14+00 PLAN
SCALE: 1"=40'

GENERAL NOTES:

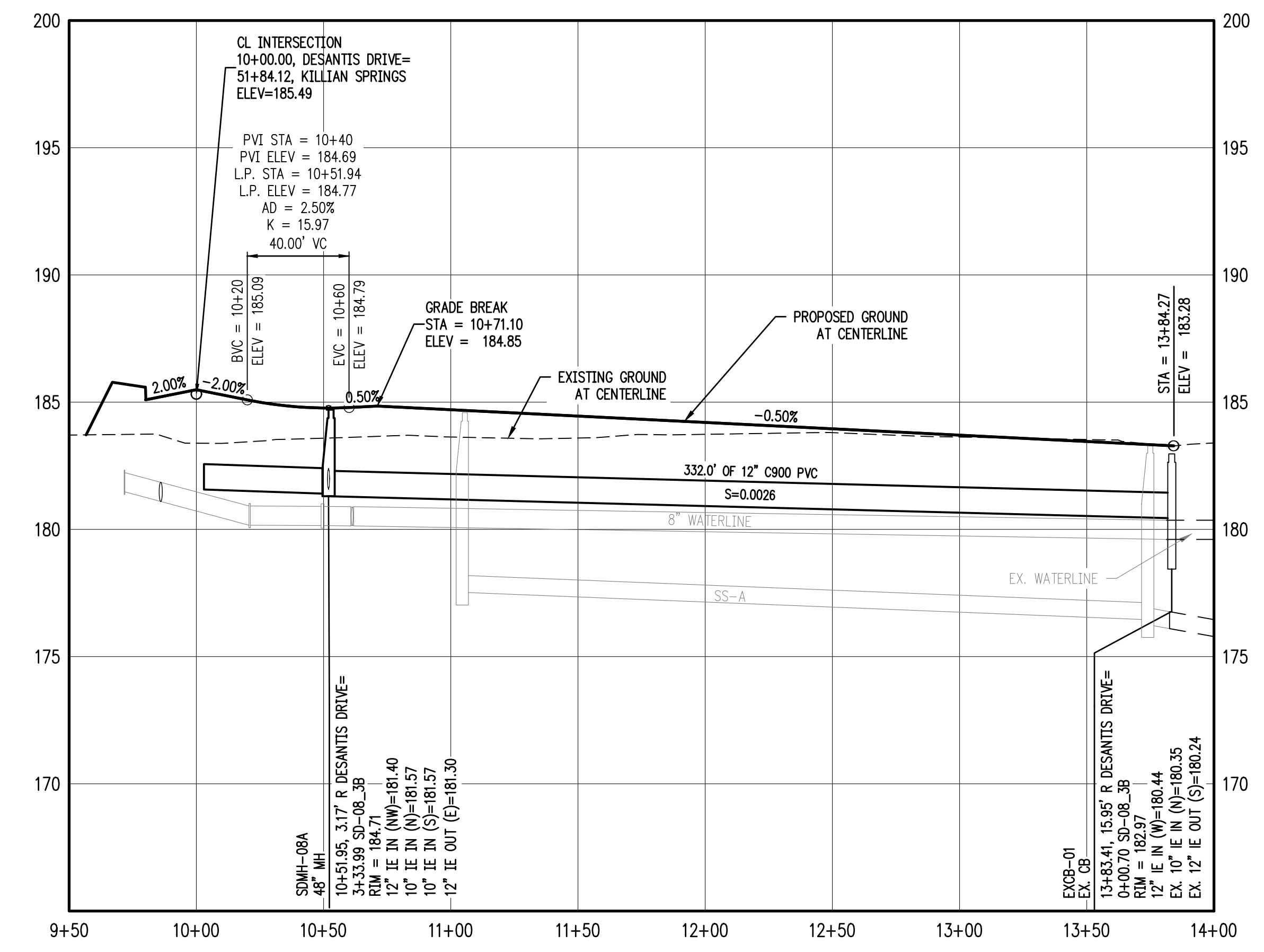
- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

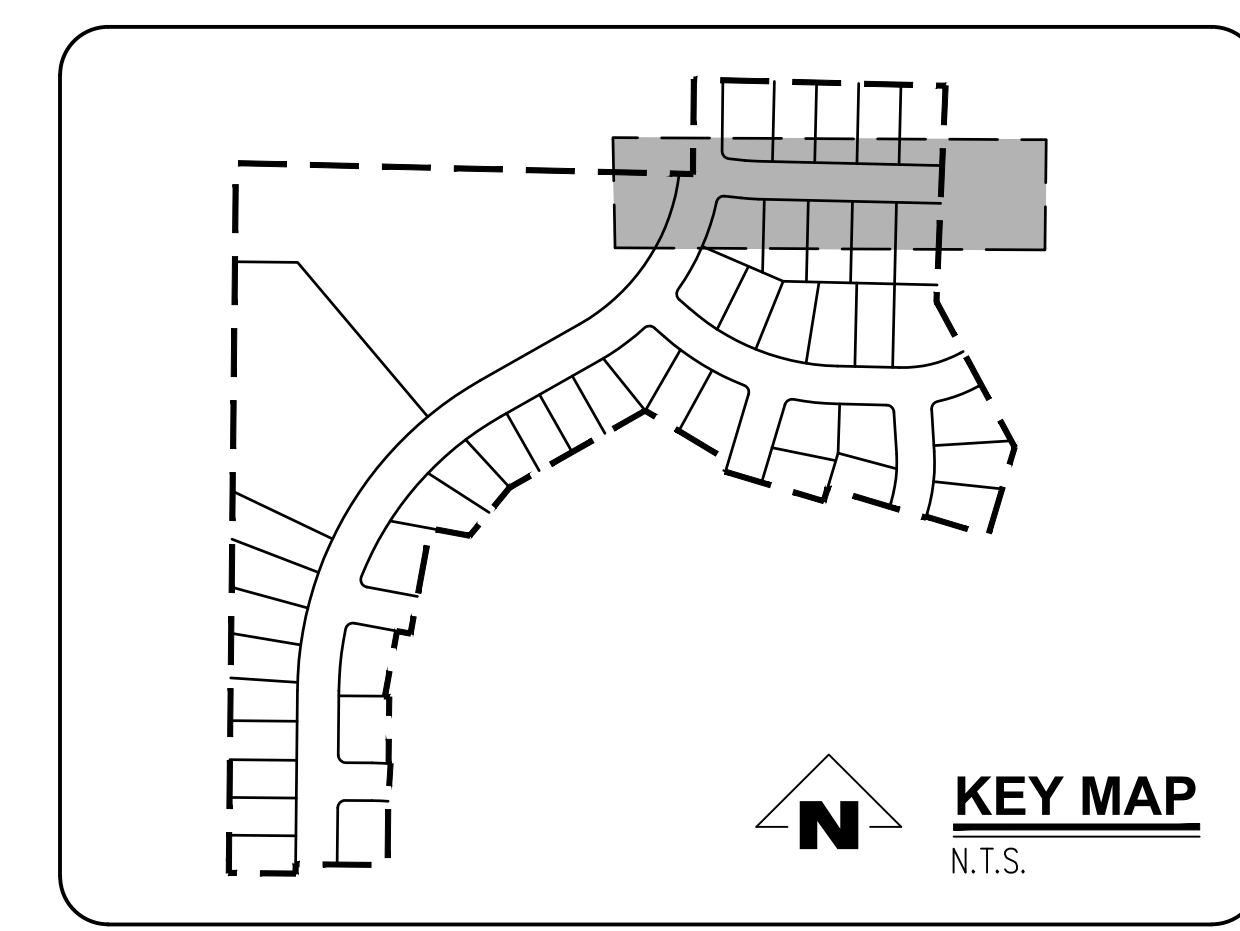
CONSTRUCTION NOTES:

- ① INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- ② NOT USED.
- ③ INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- ④ INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- ⑤ INSTALL STORM MH PER C.O.W 7500-1
- ⑥ INSTALL CB PER C.O.W. 7500-4

CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-08A	INSTALL CATCH BASIN PER C.O.W 7100-4	10+51.94 16.83' LT	184.43	181.63	0.0033	20.00 LF 10" C900 PVC
SDCB-08B	INSTALL CATCH BASIN PER C.O.W 7100-4	10+51.94 16.83' RT	184.43	181.62	0.0033	13.67 LF 10" C900 PVC



DESANTIS DR & STORM SD-08 STA 9+50 TO 14+00 PROFILE
SCALE: H: 1"=40' V: 1"=4'



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

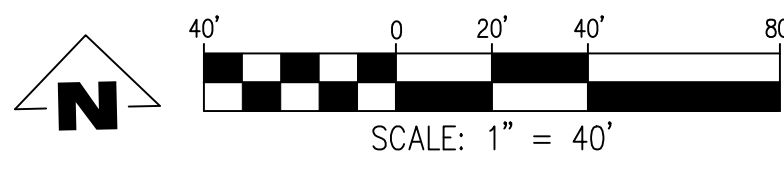
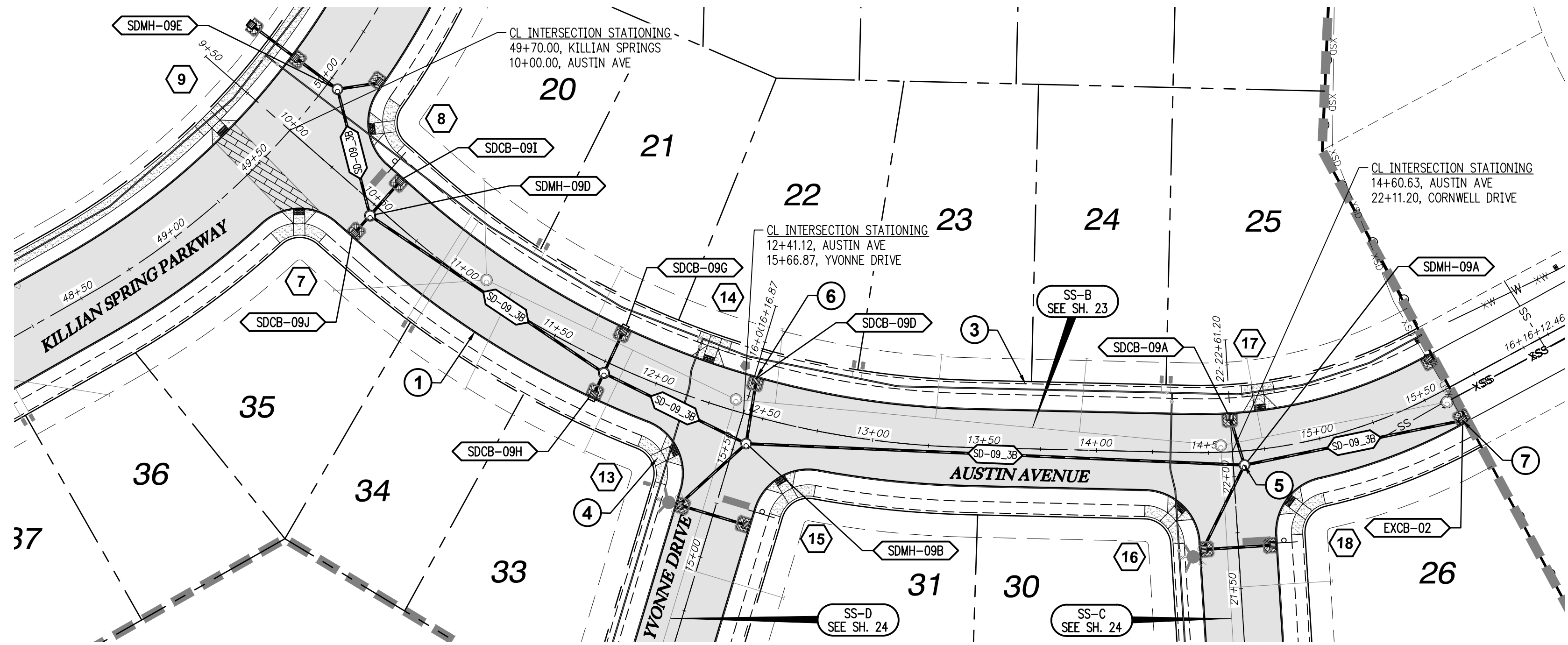
DESANTIS DR & STORM
SD-08 PLAN AND PROFILE

REVISIONS		
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

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FILE: P:\471-001-Smith_Creek-Feasibility\dwg\Phase_3B\471-001_Ts05_Layout: 12 DESANTIS DR & STORM SD-XX-PLAN AND PROFILE. Plot Date: 4/13/2020 2:21 PM. by: Ian Falls 471-001



GENERAL NOTES:

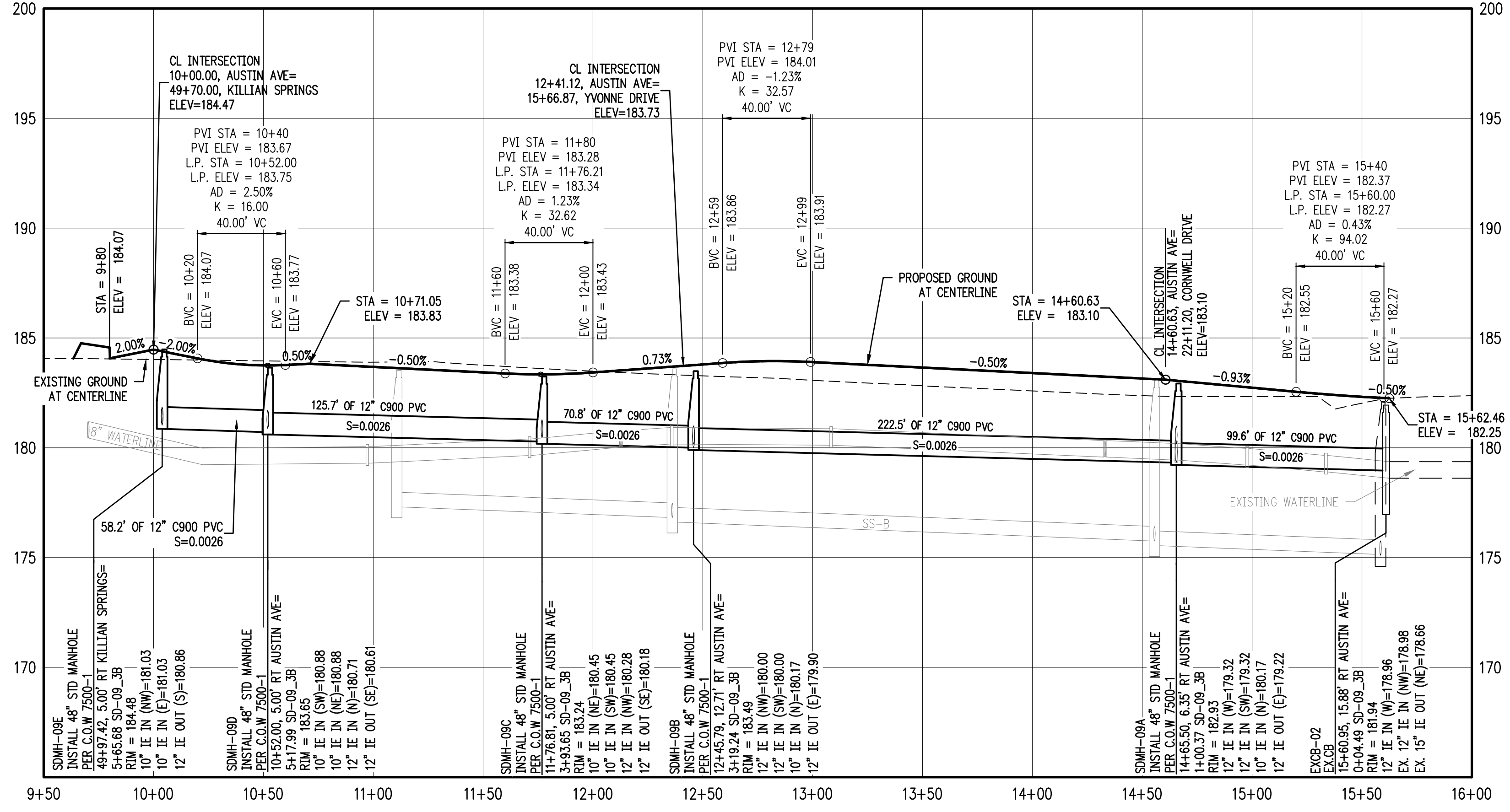
- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

CONSTRUCTION NOTES:

- 1 INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- 2 NOT USED.
- 3 INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- 4 INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- 5 INSTALL STORM MH PER C.O.W 7500-1
- 6 INSTALL CB PER C.O.W. 7500-4
- 7 REMOVE EXISTING 10" STORM STUB AT EXISTING CATCH BASIN.

AUSTIN AVE & STORM SD-09 STA 9+50 TO 16+00 PLAN

SCALE: 1"=40'



AUSTIN AVE & STORM SD-09 STA 9+50 TO 16+00 PROFILE

SCALE: H:1"=40' V:1"=4'

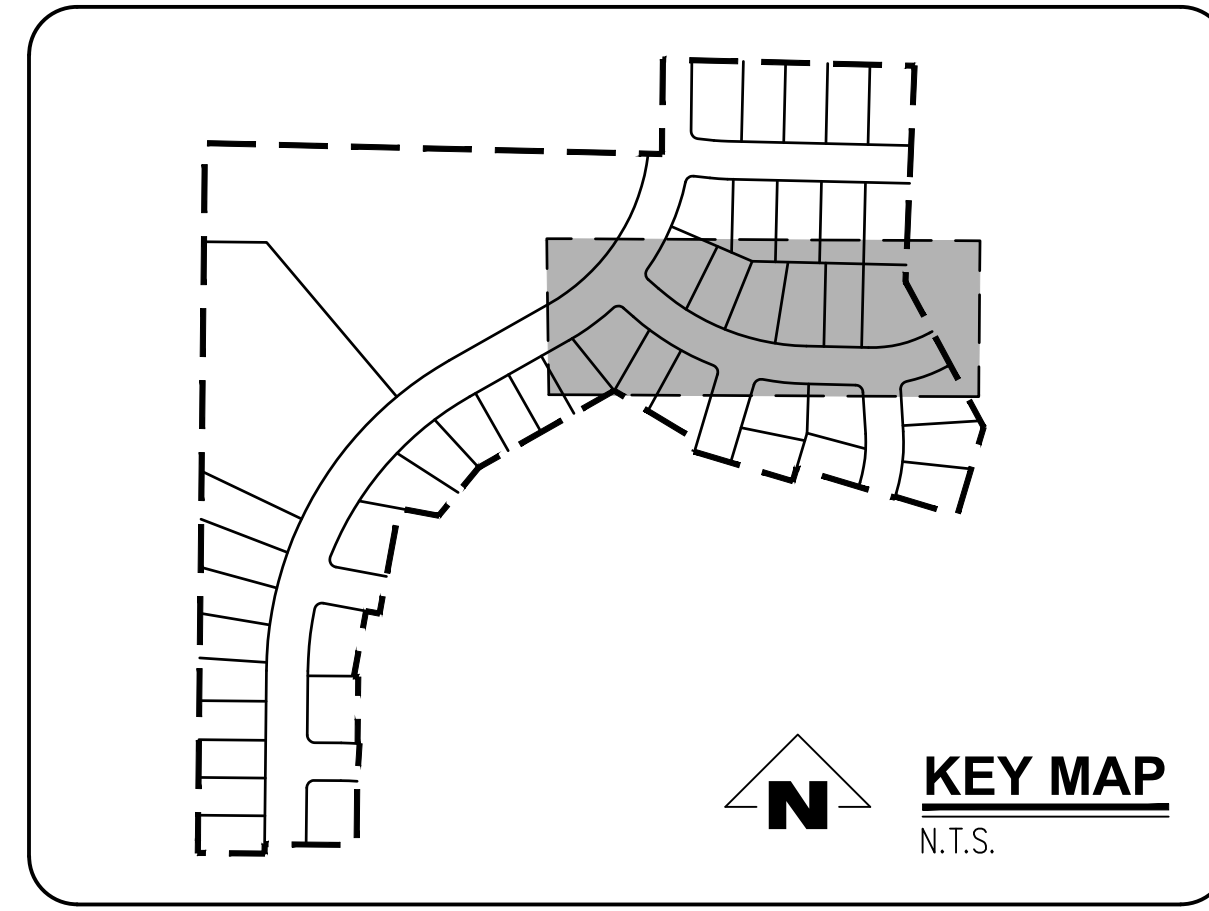
CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-09A	INSTALL CATCH BASIN PER C.O.W 7100-4	14+60.36 16.84' LT	182.77	180.24	0.0033	23.72 LF 10" C900 PVC
SDCB-09D	INSTALL CATCH BASIN PER C.O.W 7100-4	12+42.62 16.84' LT	191.29	180.26	0.0033	29.72 LF 10" C900 PVC
SDCB-09G	INSTALL CATCH BASIN PER C.O.W 7100-4	11+76.81 16.84' LT	183.01	180.52	0.0033	21.84 LF 10" C900 PVC
SDCB-09H	INSTALL CATCH BASIN PER C.O.W 7100-4	11+76.81 16.83' RT	183.01	180.49	0.0033	11.83 LF 10" C900 PVC
SDCB-09I	INSTALL CATCH BASIN PER C.O.W 7100-4	10+52.00 16.83' LT	183.41	180.95	0.0033	21.83 LF 10" C900 PVC
SDCB-09J	INSTALL CATCH BASIN PER C.O.W 7100-4	10+52.00 16.83' RT	183.41	180.92	0.0033	11.83 LF 10" C900 PVC

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

AUSTIN AVE & STORM
SD-09 9+50 TO 16+00 PLAN
& PROFILE

REVISIONS	
NO.	DESCRIPTION
0	1ST SUBMITTAL

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SHEET
13
OF
31

GENERAL NOTES:

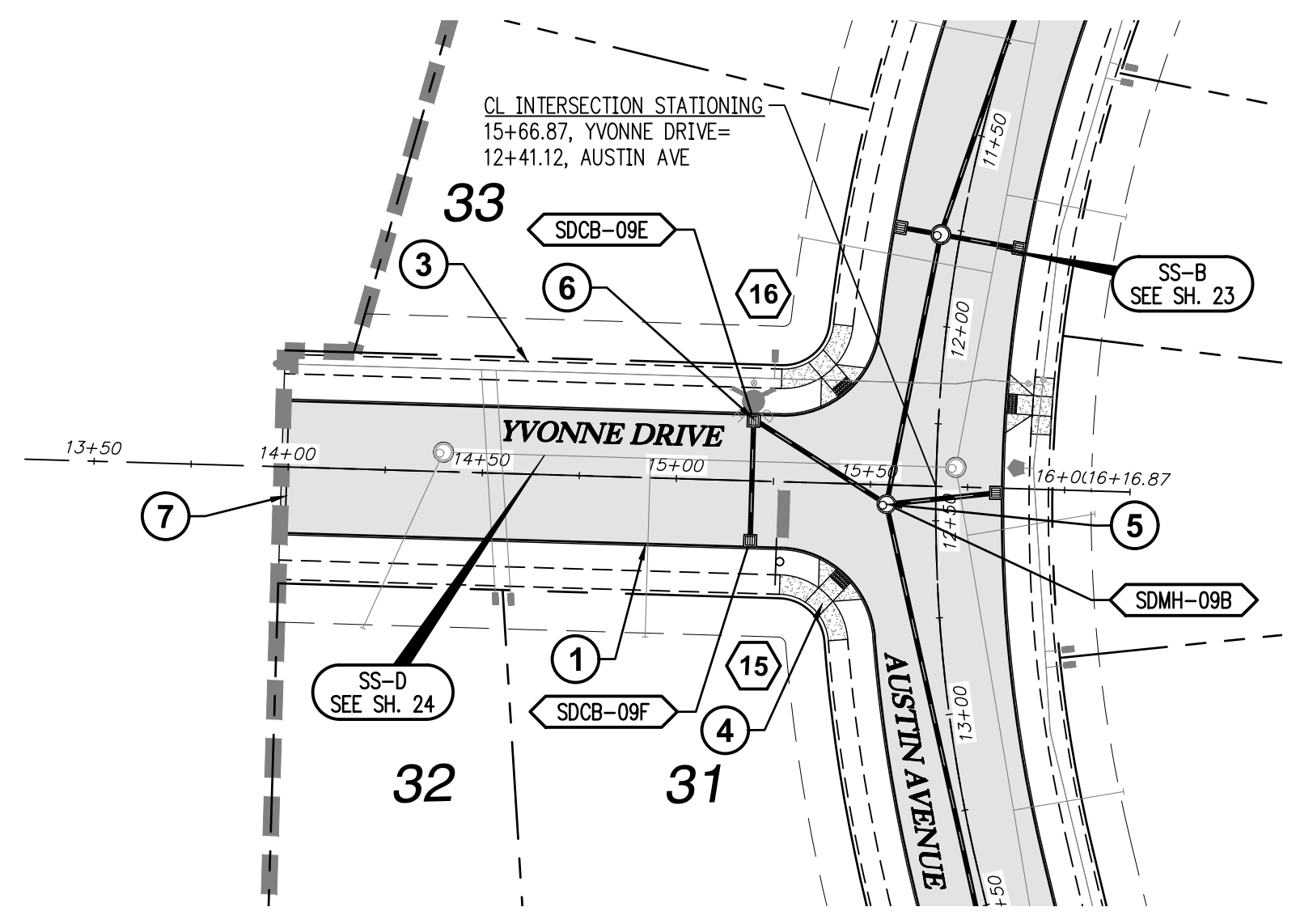
- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. SEE SHEET 3 FOR TYPICAL STREET SECTIONS.

⬡ SEE SHEET 15-17 FOR CURB RETURN DATA.

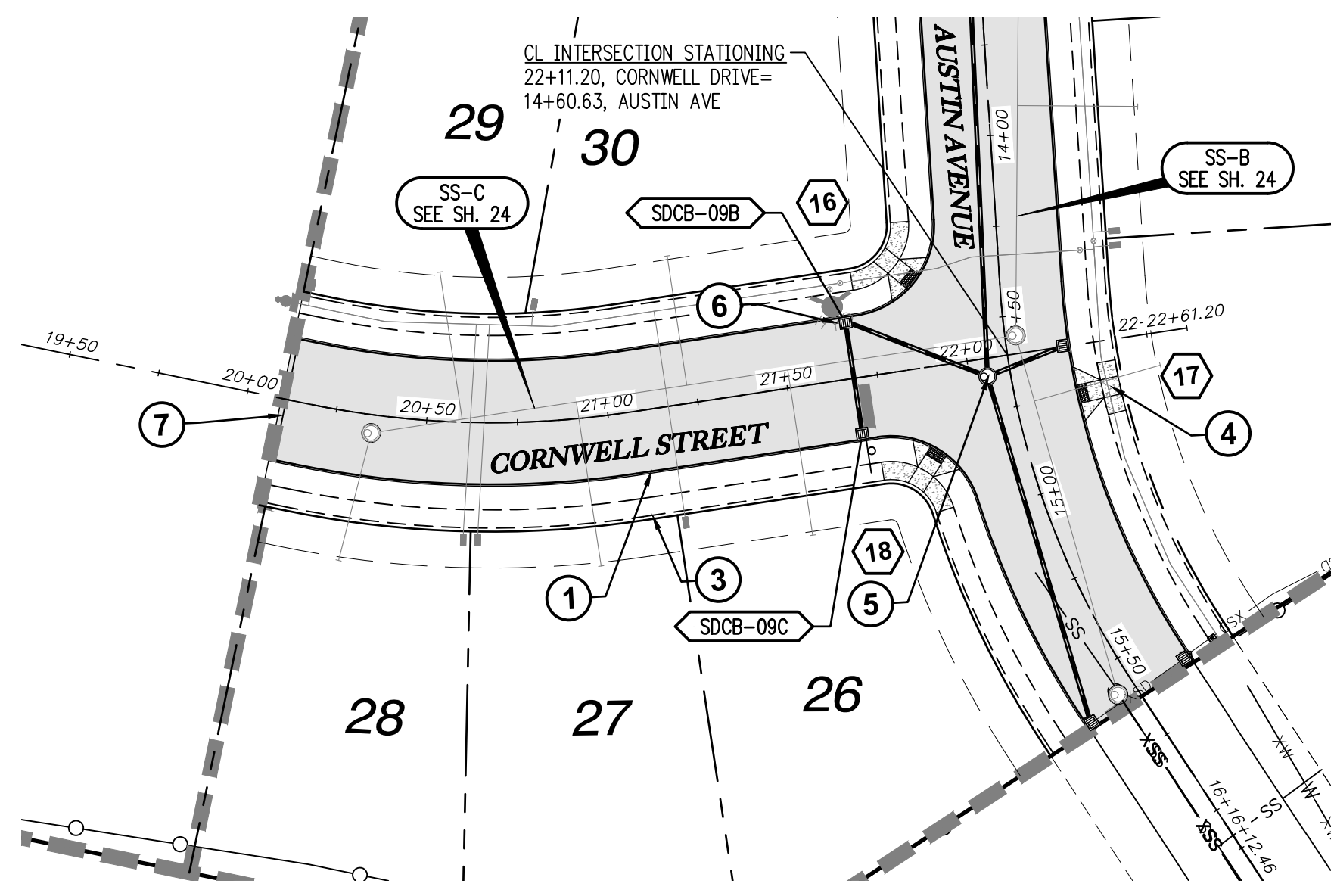
CONSTRUCTION NOTES:

- ① INSTALL CONCRETE TYPE "A" CURB AND GUTTER PER C.O.W. DWG NO 4100-1
- ② NOT USED.
- ③ INSTALL PROPERTY LINE SIDEWALK AT DRIVEWAY PER C.O.W. DWG NO 4150-4.
- ④ INSTALL ADA RAMP AT PROPERTY LINE SIDEWALK PER ODOT DWG NO RD756.
- ⑤ INSTALL STORM MH PER C.O.W. 7500-1
- ⑥ INSTALL CB PER C.O.W. 7500-4
- ⑦ INSTALL TEMPORARY TYPE III BARRICADE PER ODOT DWG NO TM820.

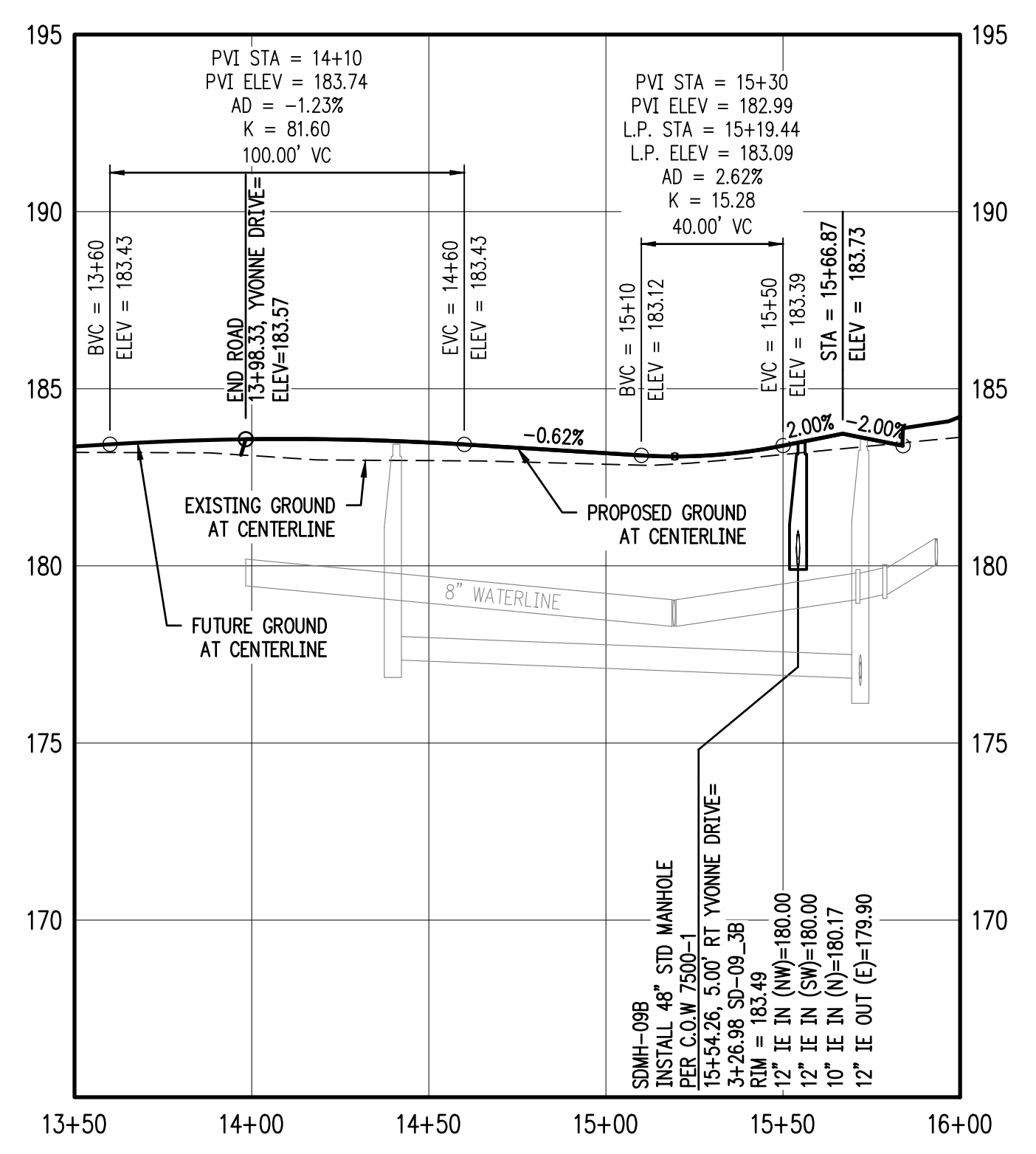
CATCH BASIN DATA TABLE						
CATCH BASIN	C.B. TYPE	STREET STA	RIM ELEV.	I.E. OUT	SLOPE	PIPE DATA
SDCB-09B	INSTALL CATCH BASIN PER C.O.W 7100-4	21+68.48 16.83' LT	182.16	179.46	0.0033	42.47 LF 12" C900 PVC
SDCB-09C	INSTALL CATCH BASIN PER C.O.W 7100-4	21+68.48 16.83' RT	182.16	179.74	0.0033	33.67 LF 10" C900 PVC
SDCB-09E	INSTALL CATCH BASIN PER C.O.W 7100-4	15+19.46 16.83' LT	182.75	180.14	0.0033	41.08 LF 12" C900 PVC
SDCB-09F	INSTALL CATCH BASIN PER C.O.W 7100-4	15+19.46 16.83' RT	182.75	180.42	0.0033	33.67 LF 10" C900 PVC



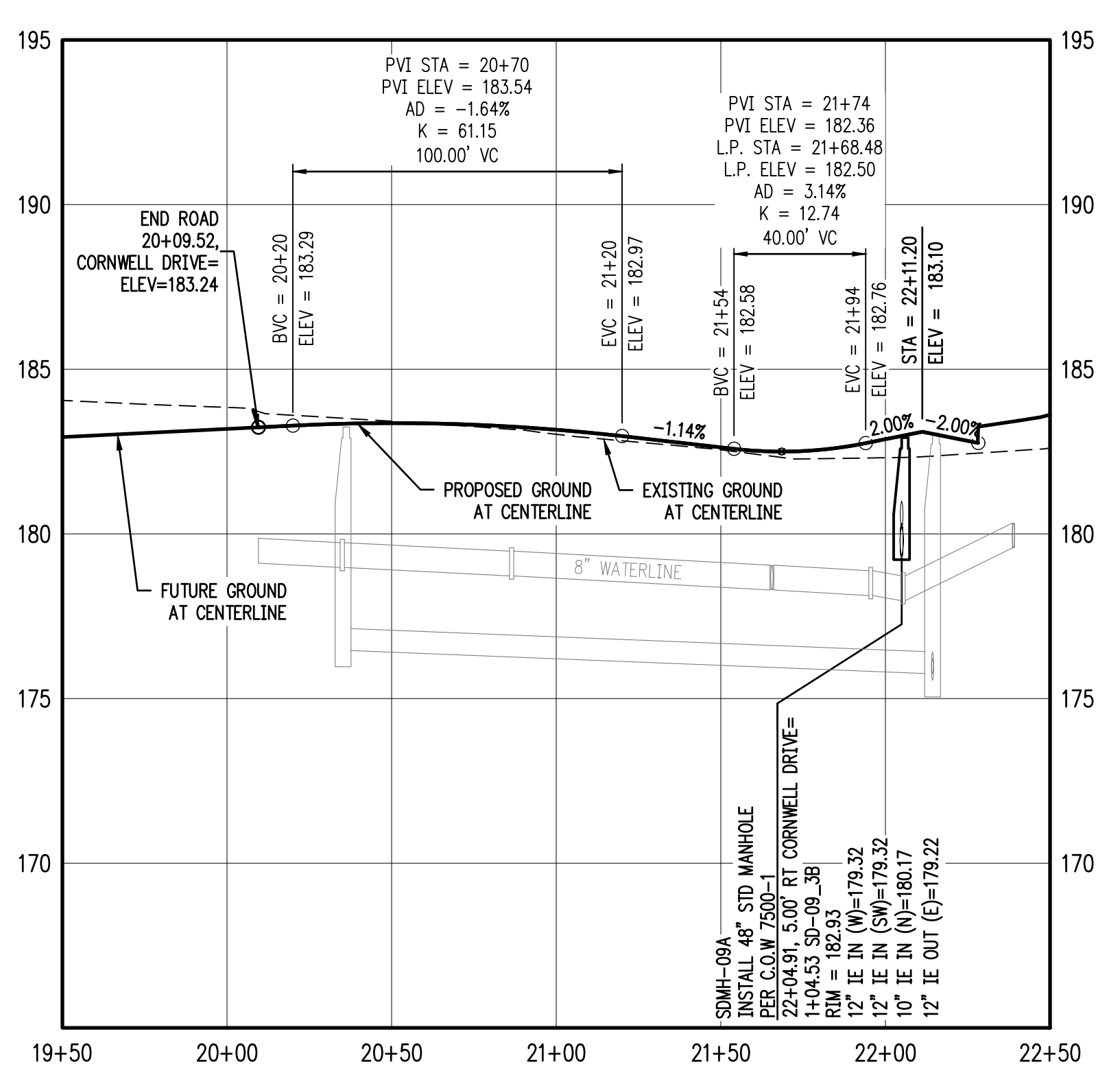
YVONNE ST & STORM SD-09 STA 13+50 TO 16+00 PLAN
SCALE: 1"=40'



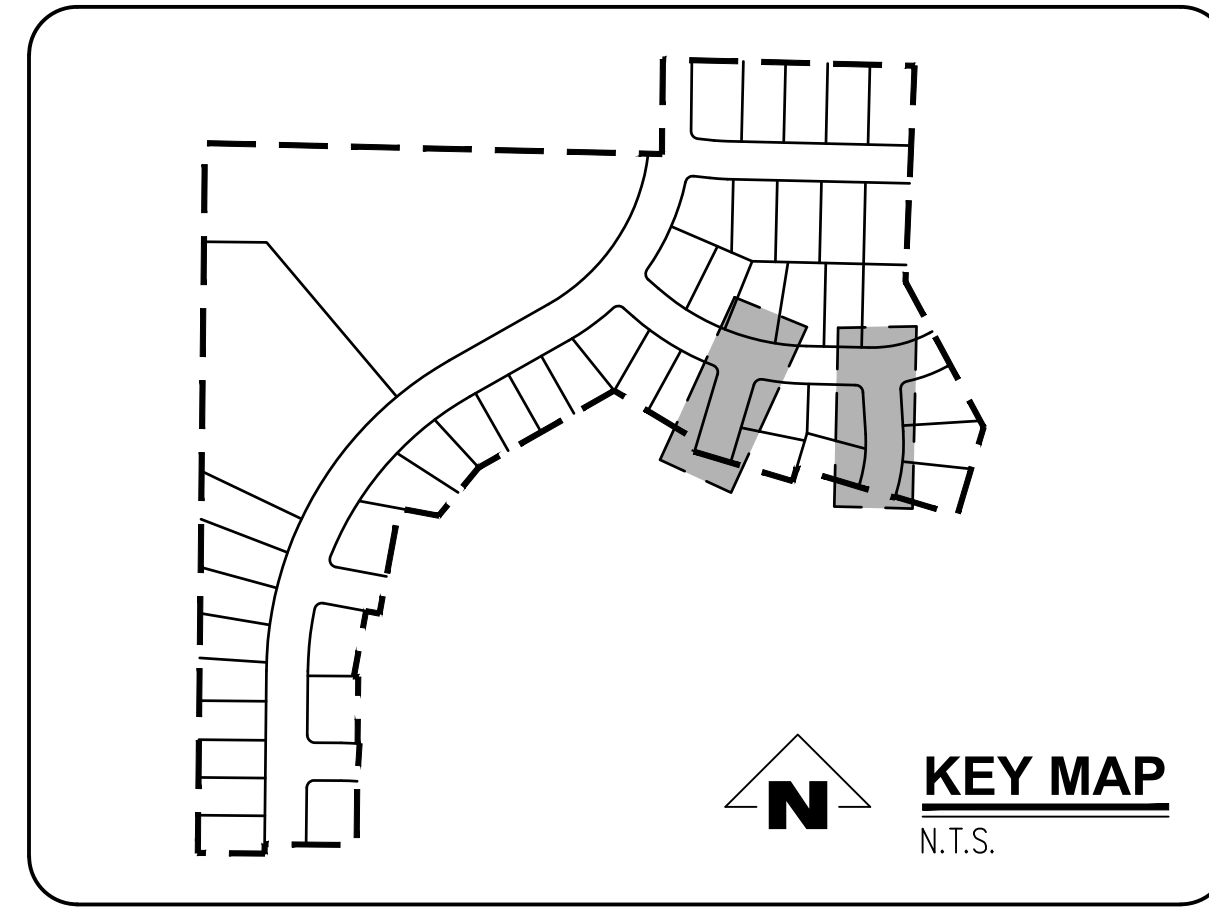
CORNWELL ST & STORM SD-09 STA 19+50 TO 21+50 PLAN
SCALE: 1"=40'



YVONNE ST & STORM SD-09 STA 13+50 TO 16+00 PROFILE
SCALE: H:1"=40' V:1"=4'

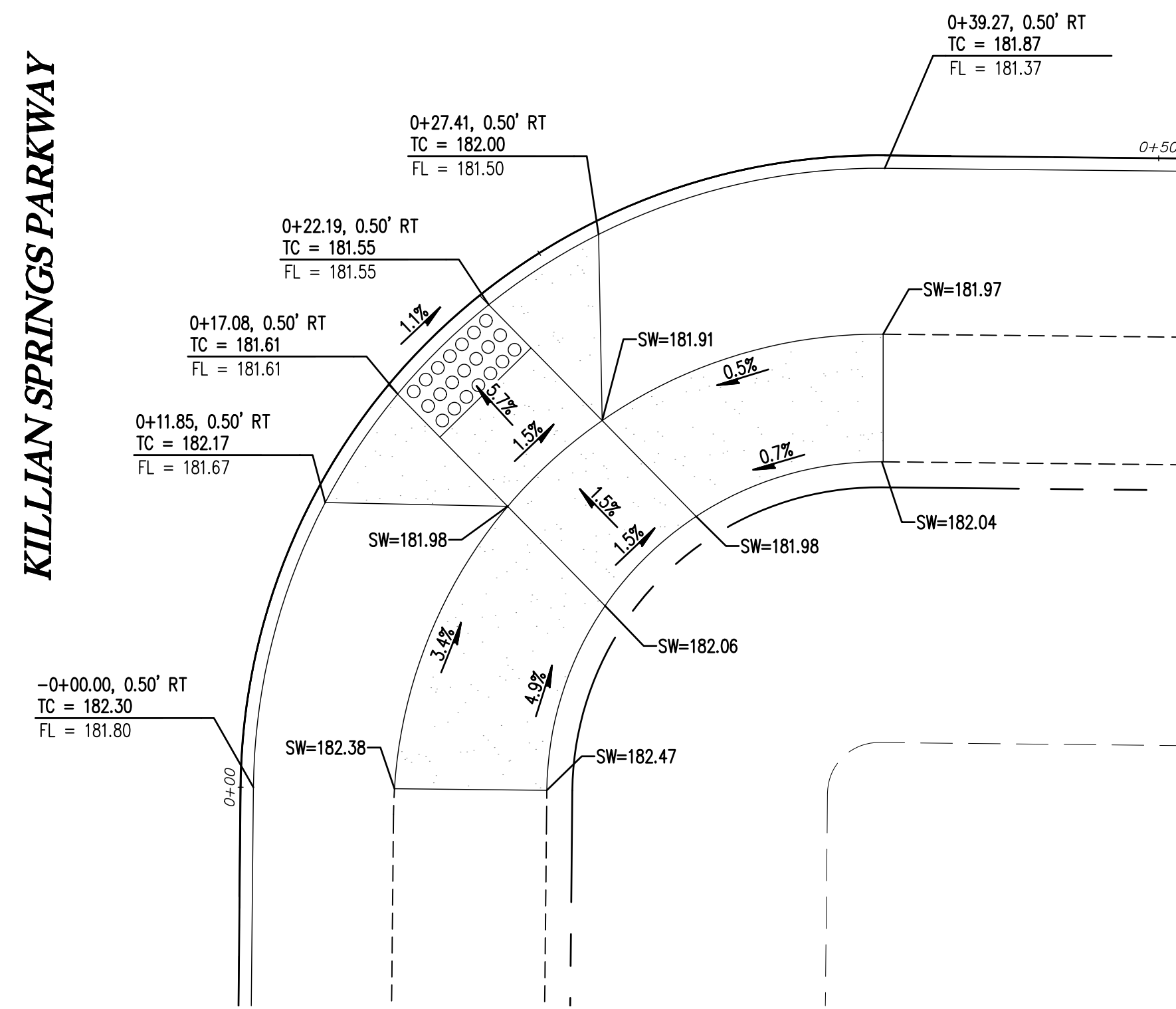


CORNWELL ST & STORM SD-09 STA 19+50 TO 21+50 PROFILE
SCALE: H:1"=40' V:1"=4'



KILLIAN SPRINGS PARKWAY

RITA DRIVE

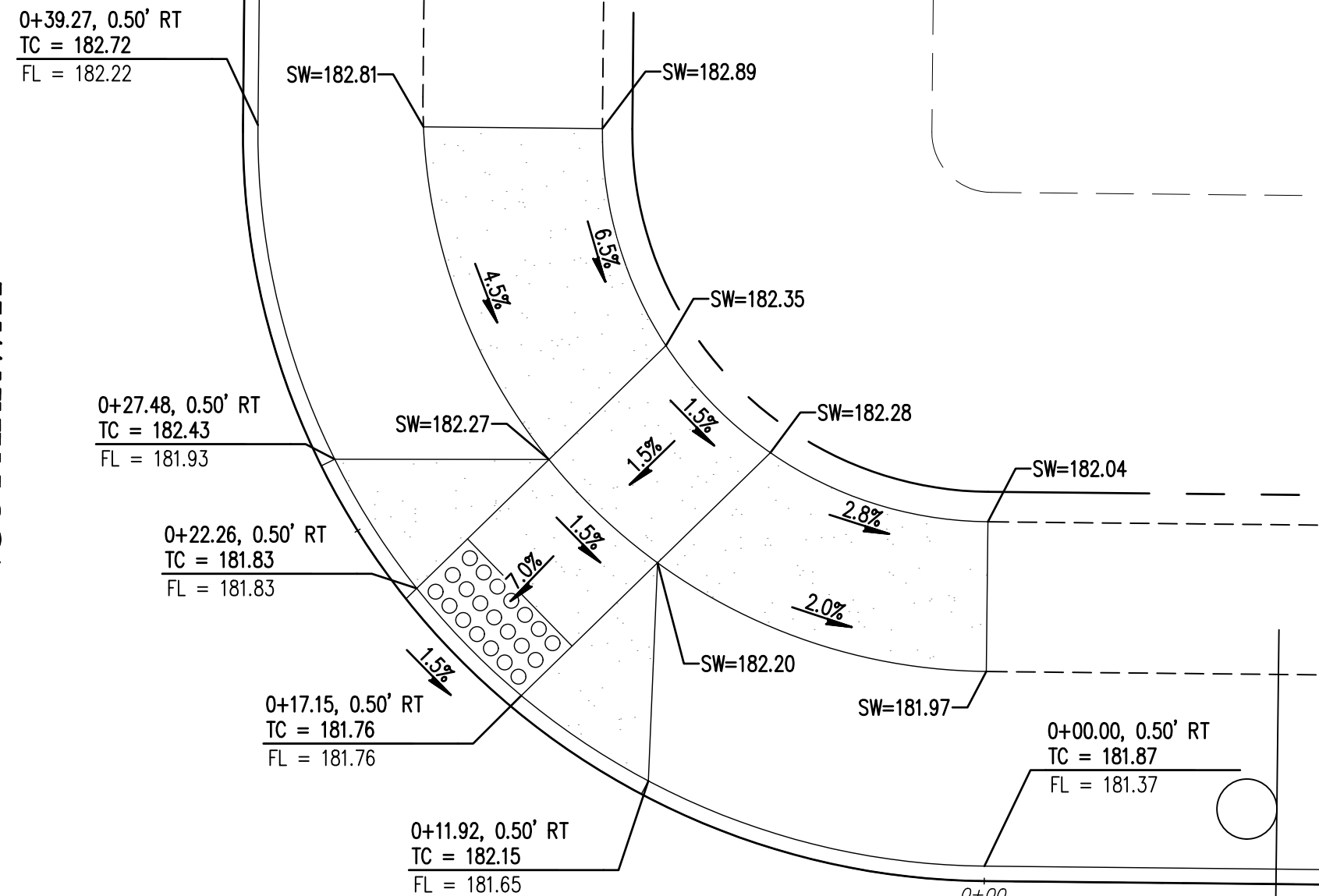


CURB RETURN - SE CORNER OF KILLIAN AND RITA

1" = 5'

1

KILLIAN SPRINGS PARKWAY

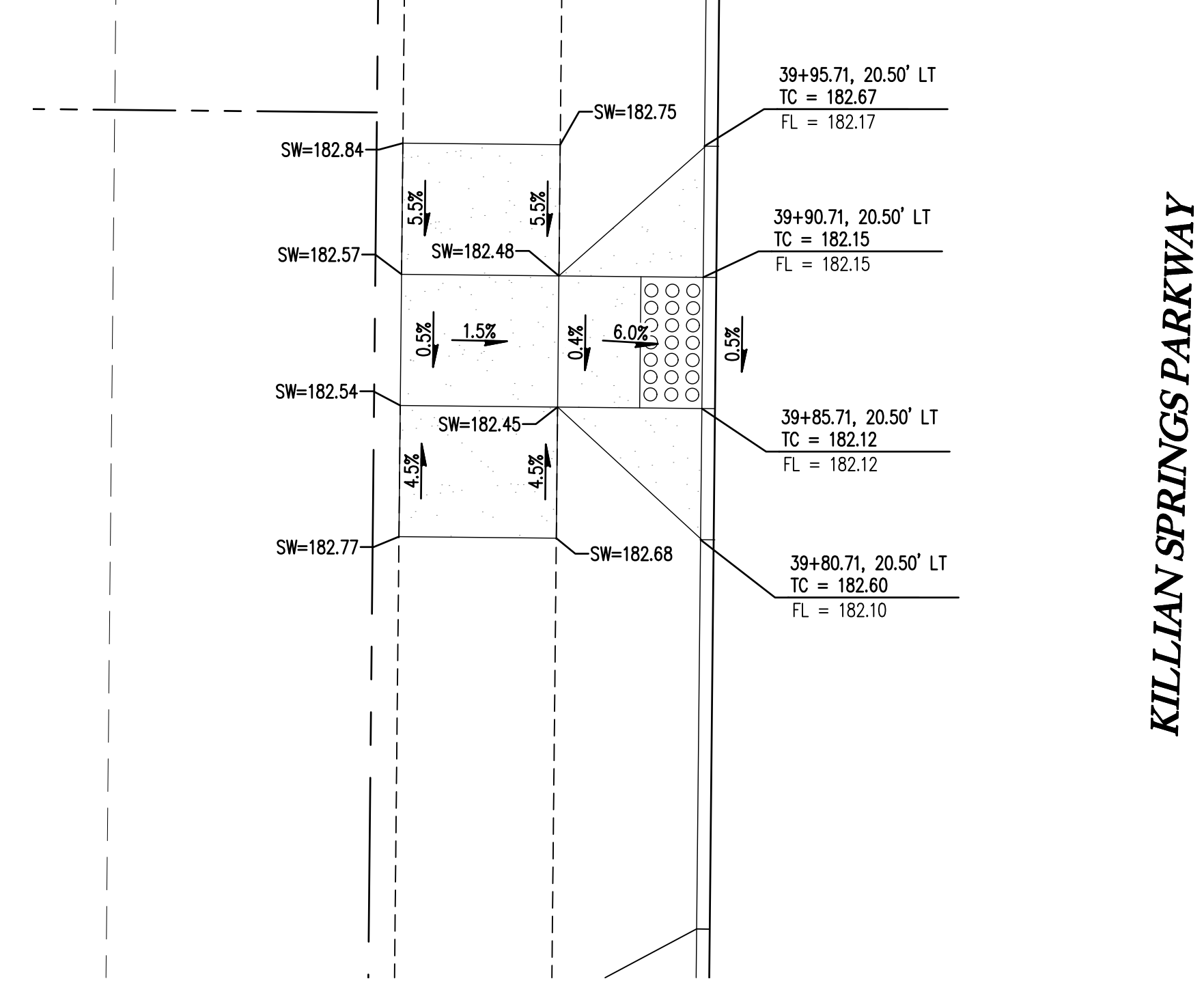


CURB RETURN - NE CORNER OF KILLIAN AND RITA

1" = 5'

2

KILLIAN SPRINGS PARKWAY

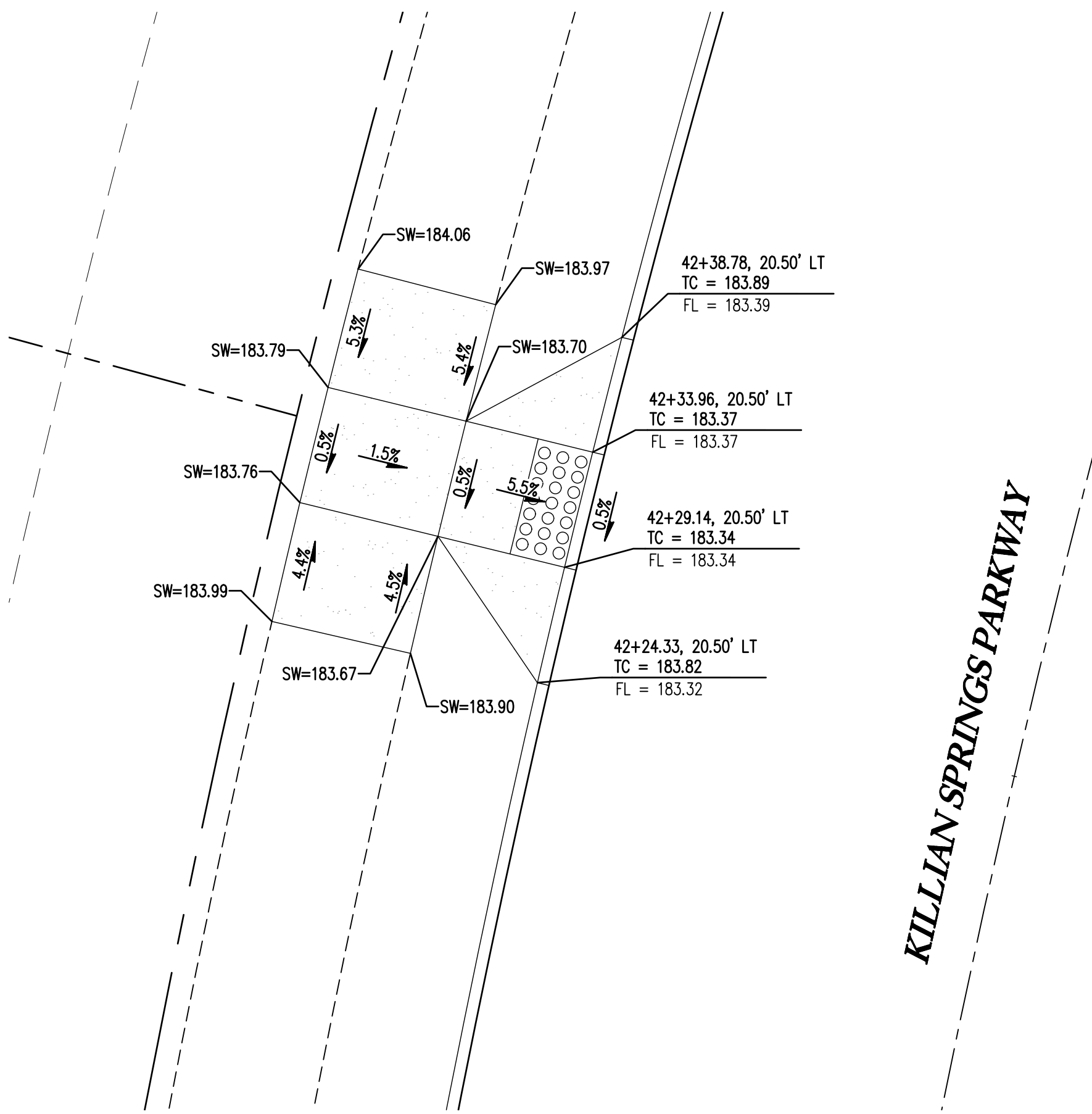


CURB RETURN - W CORNER OF KILLIAN AND RITA

1" = 5'

3

KILLIAN SPRINGS PARKWAY

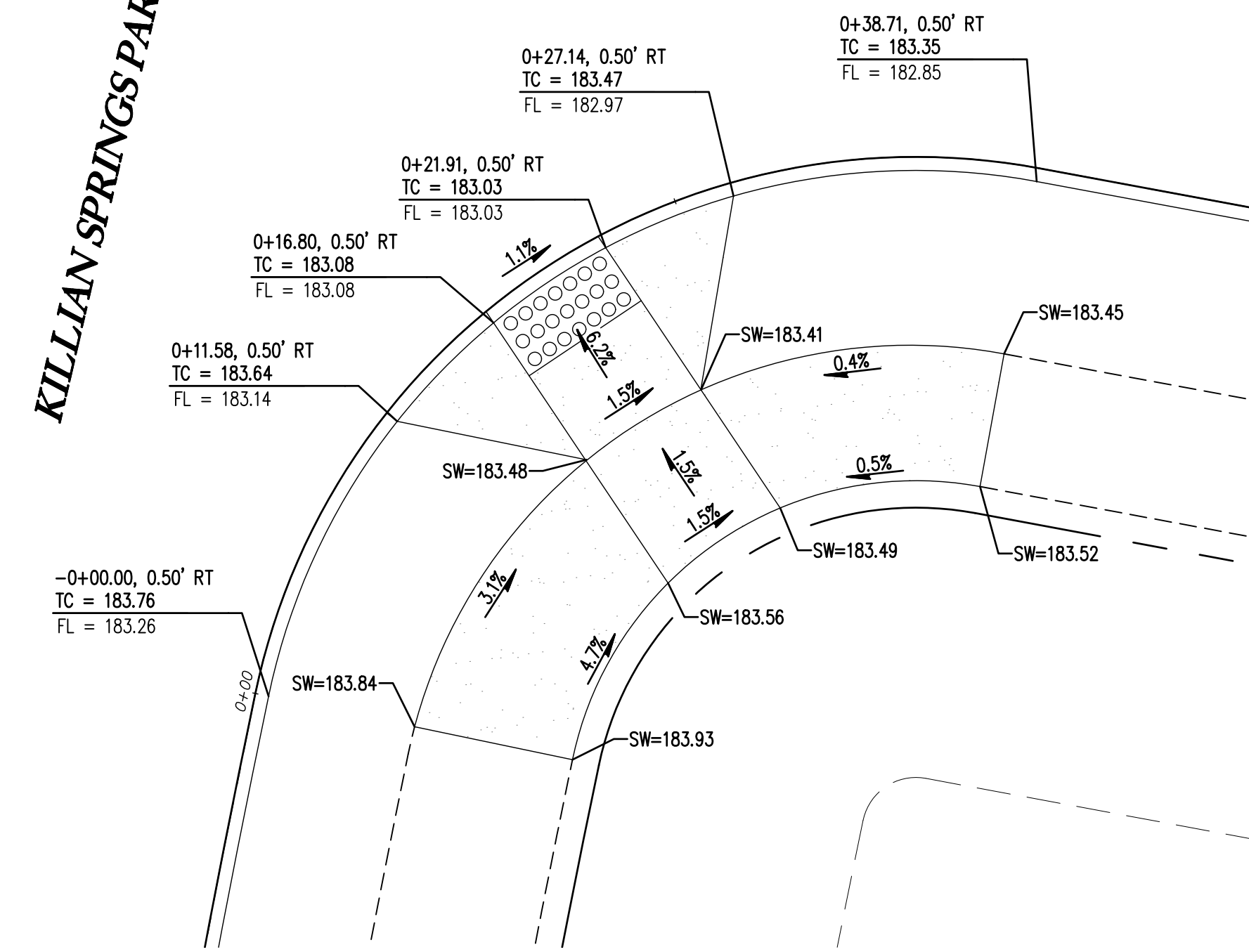


CURB RETURN - W CORNER OF KILLIAN AND LANA

1" = 5'

4

KILLIAN SPRINGS PARKWAY

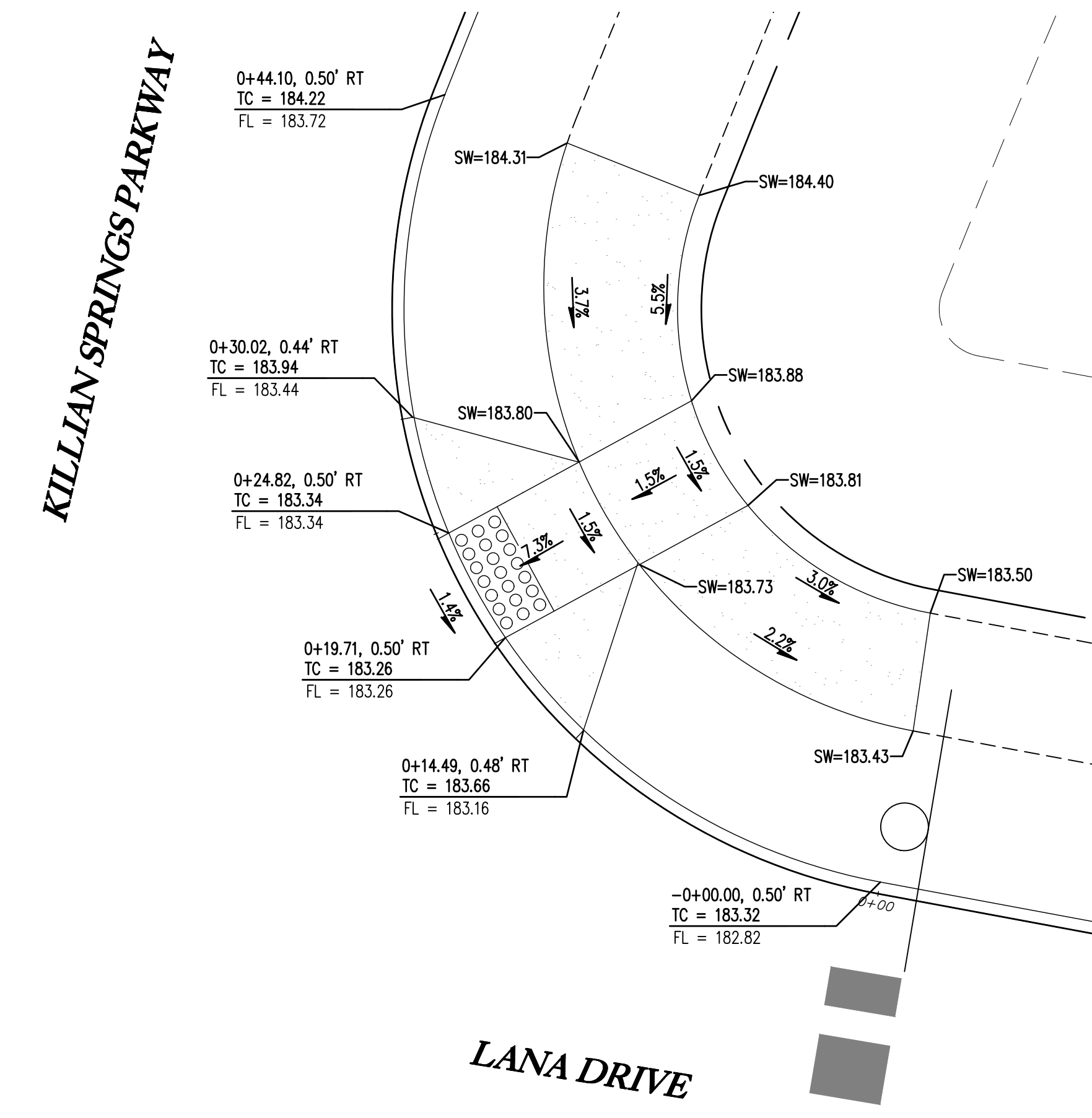


CURB RETURN - SE CORNER OF KILLIAN AND LANA

1" = 5'

5

KILLIAN SPRINGS PARKWAY



CURB RETURN - NE CORNER OF KILLIAN AND LANA

1" = 5'

6

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

CURB RETURN DETAILS

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

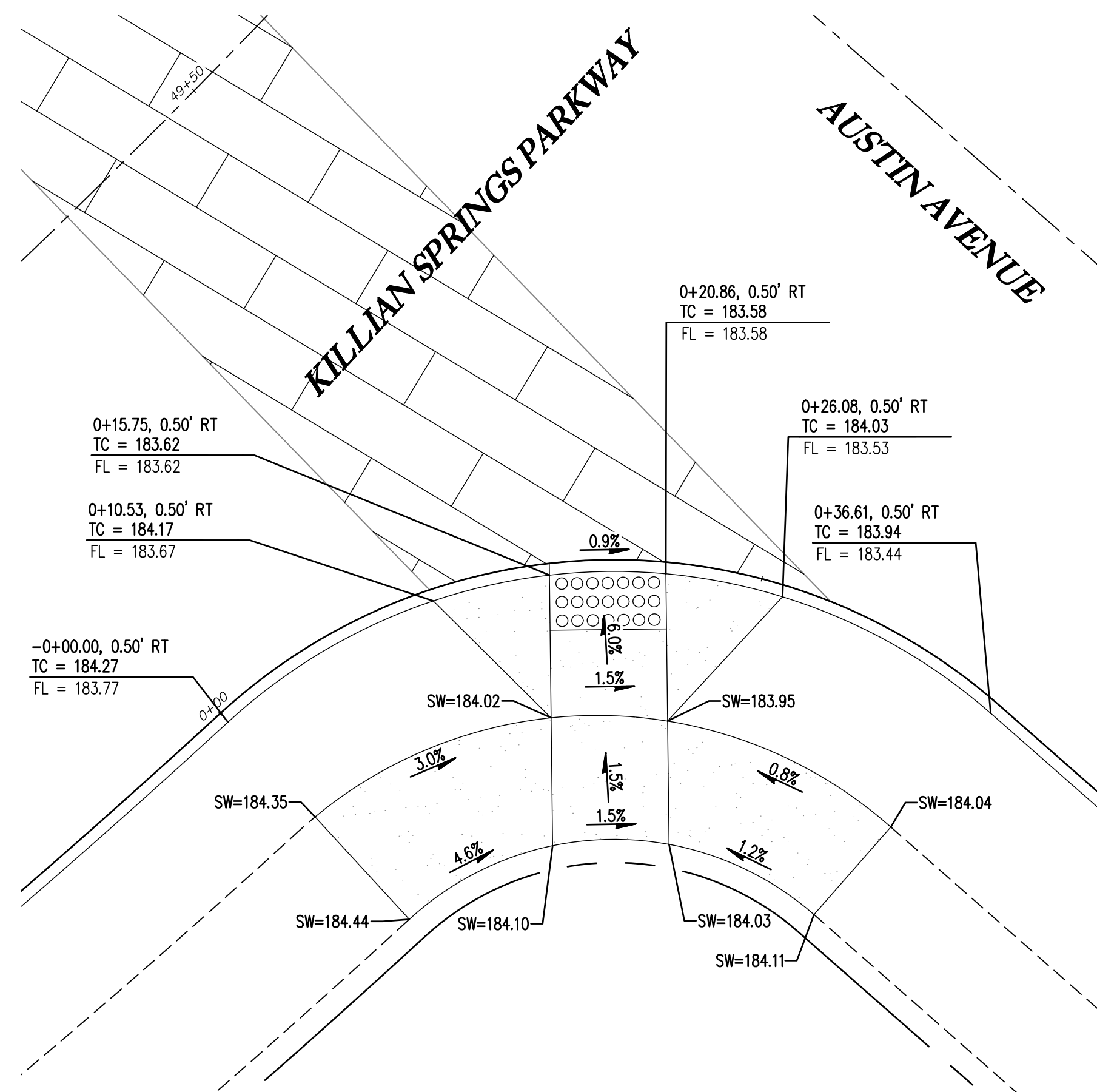
EMERIO
Design

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WOODBURN, OREGON 97149
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FAX: (503) 639-9592
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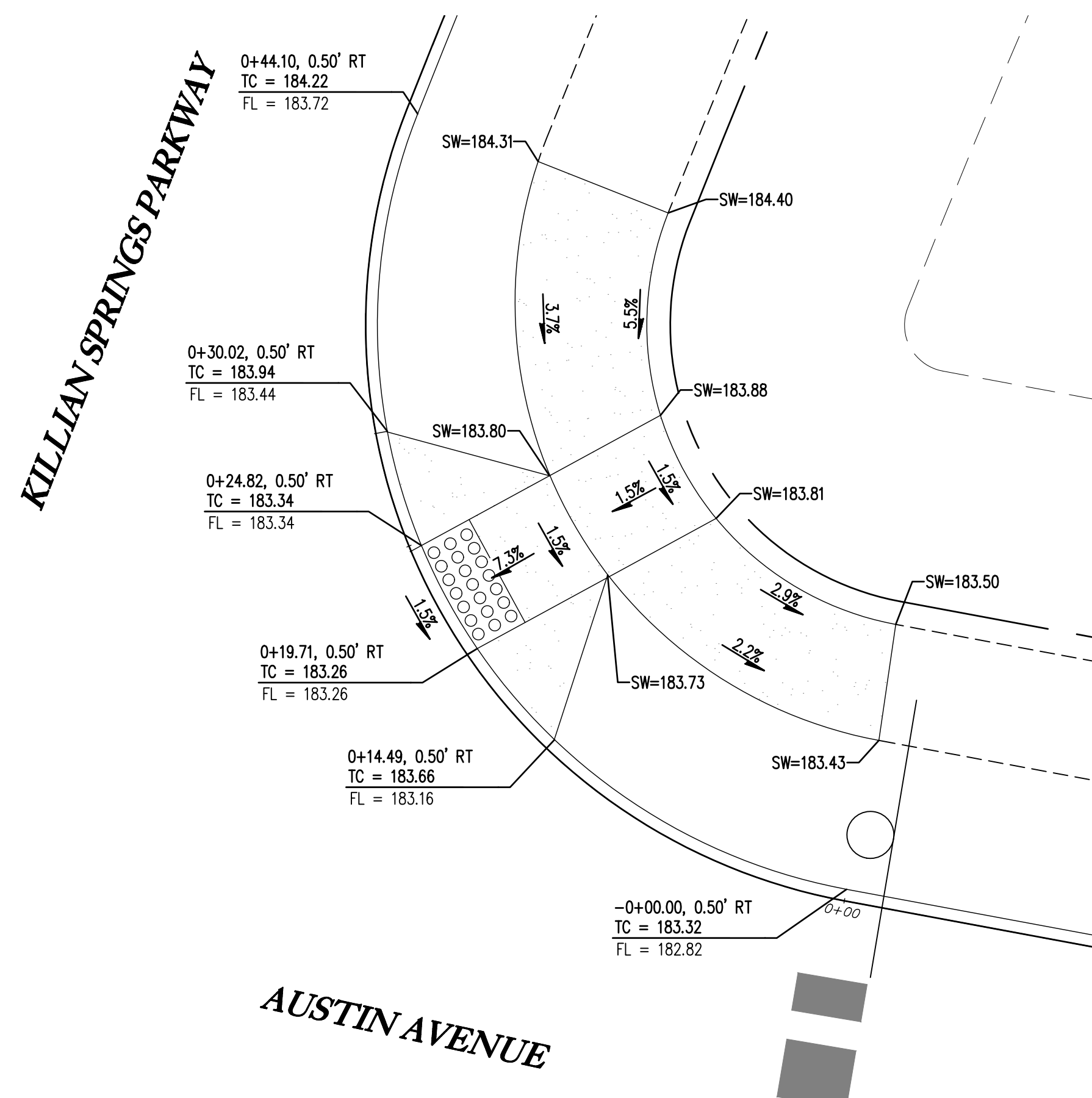
REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
13.2010
W. HANKINS
EXPIRES: 6/30/2021

SHEET 15 OF 31

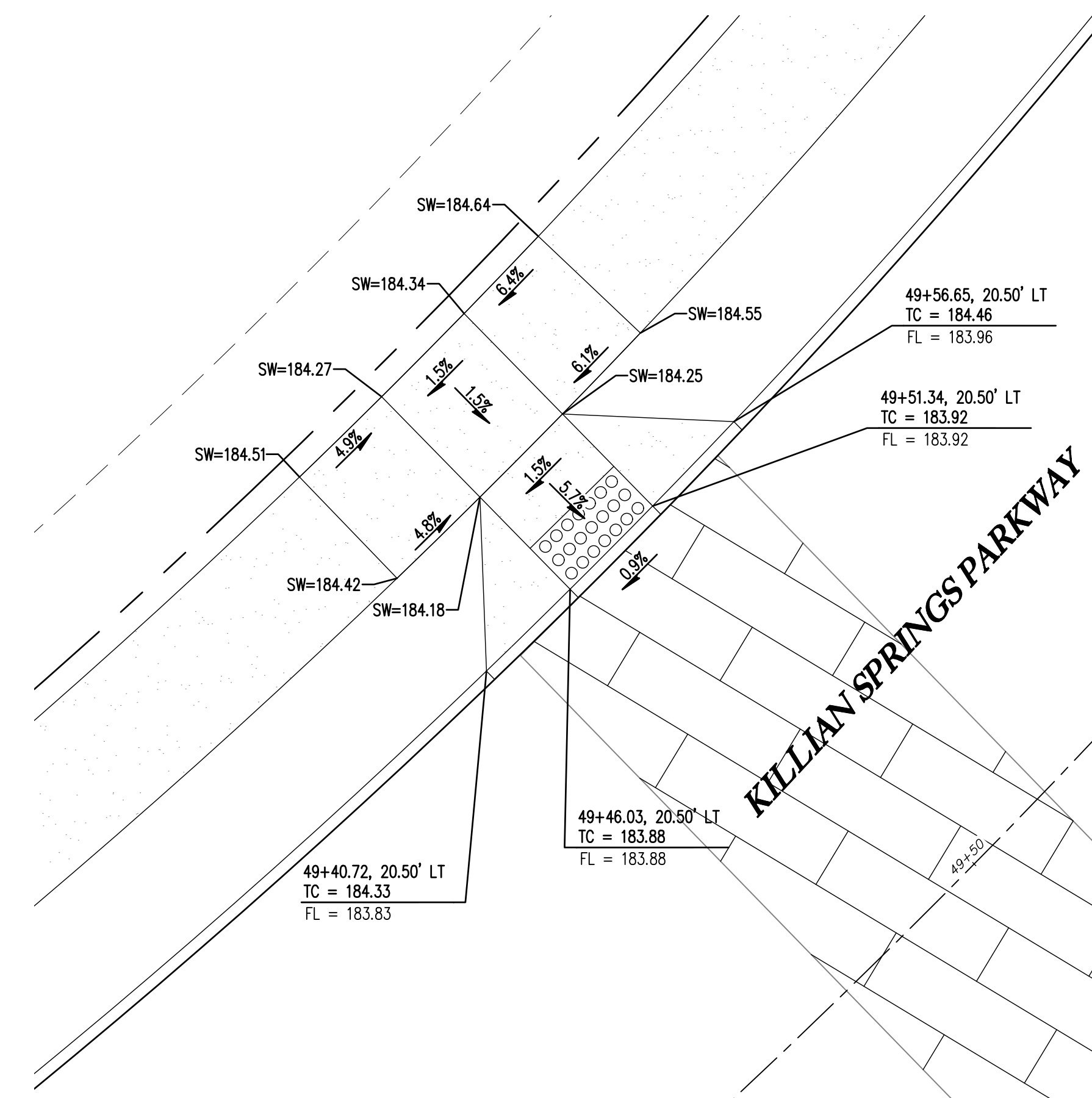
FILE: P:\471-001-Smith-Creek-Feasibility\dwg\csm\Phase 3B\471-001_Bcrop01_Layout: 15 CURB RETURN DETAILS, Plot Date: 4/13/2020 2:23 PM, Dwg: Ian Felis 471-001



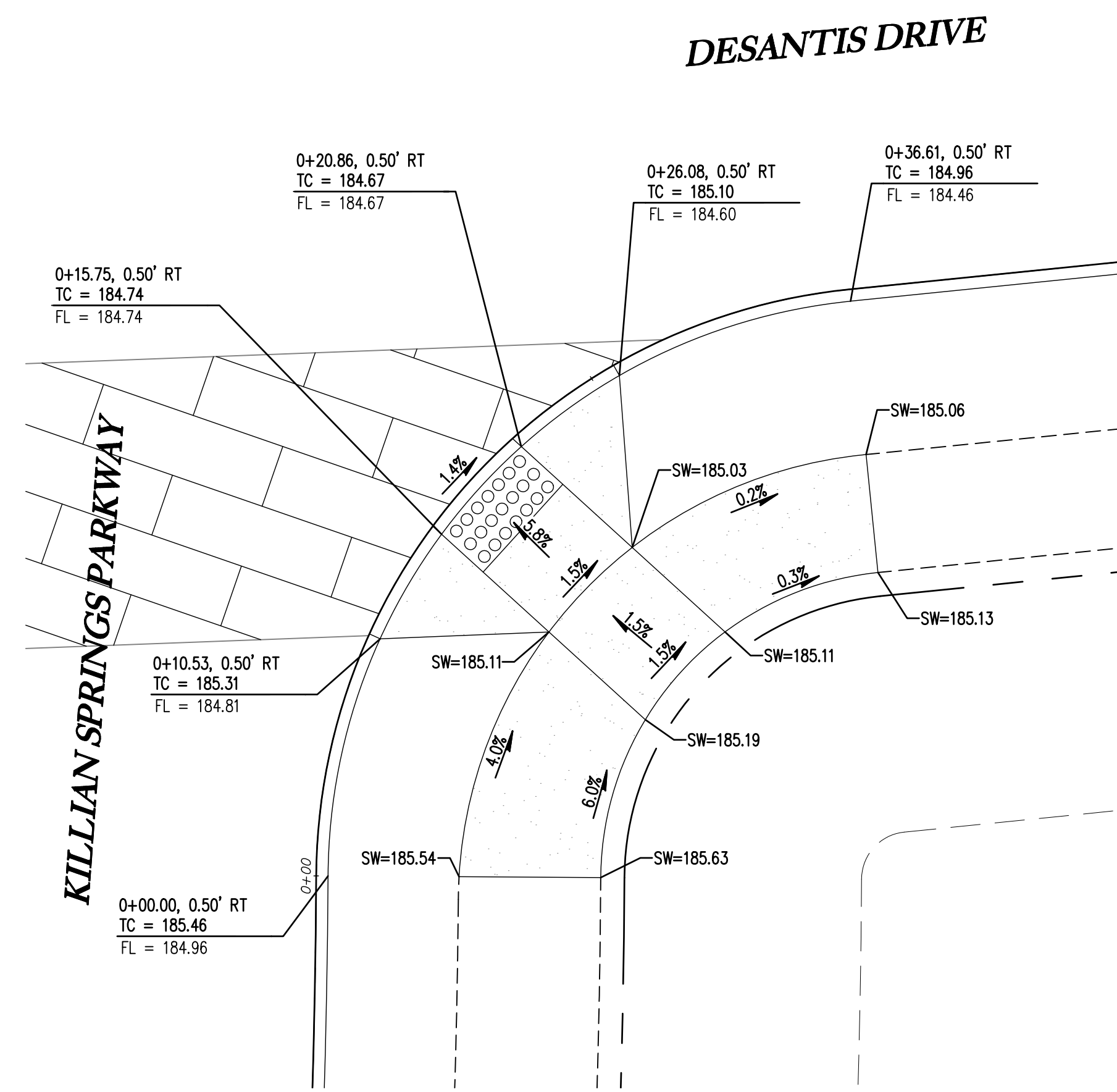
CURB RETURN - S CORNER OF KILLIAN AND AUSTIN 7
1" = 5'



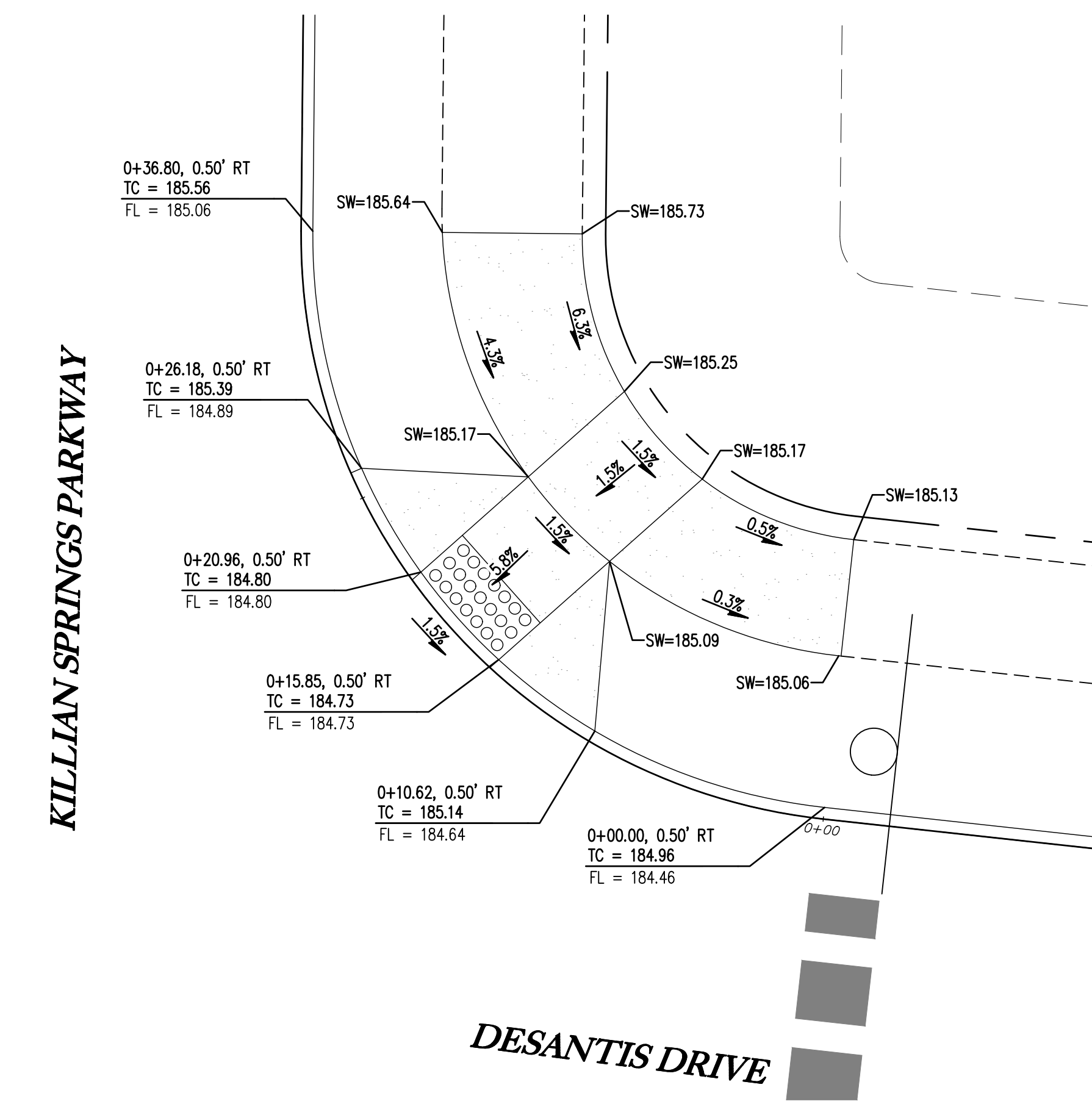
CURB RETURN - NE CORNER OF KILLIAN AND AUSTIN 8
1" = 5'



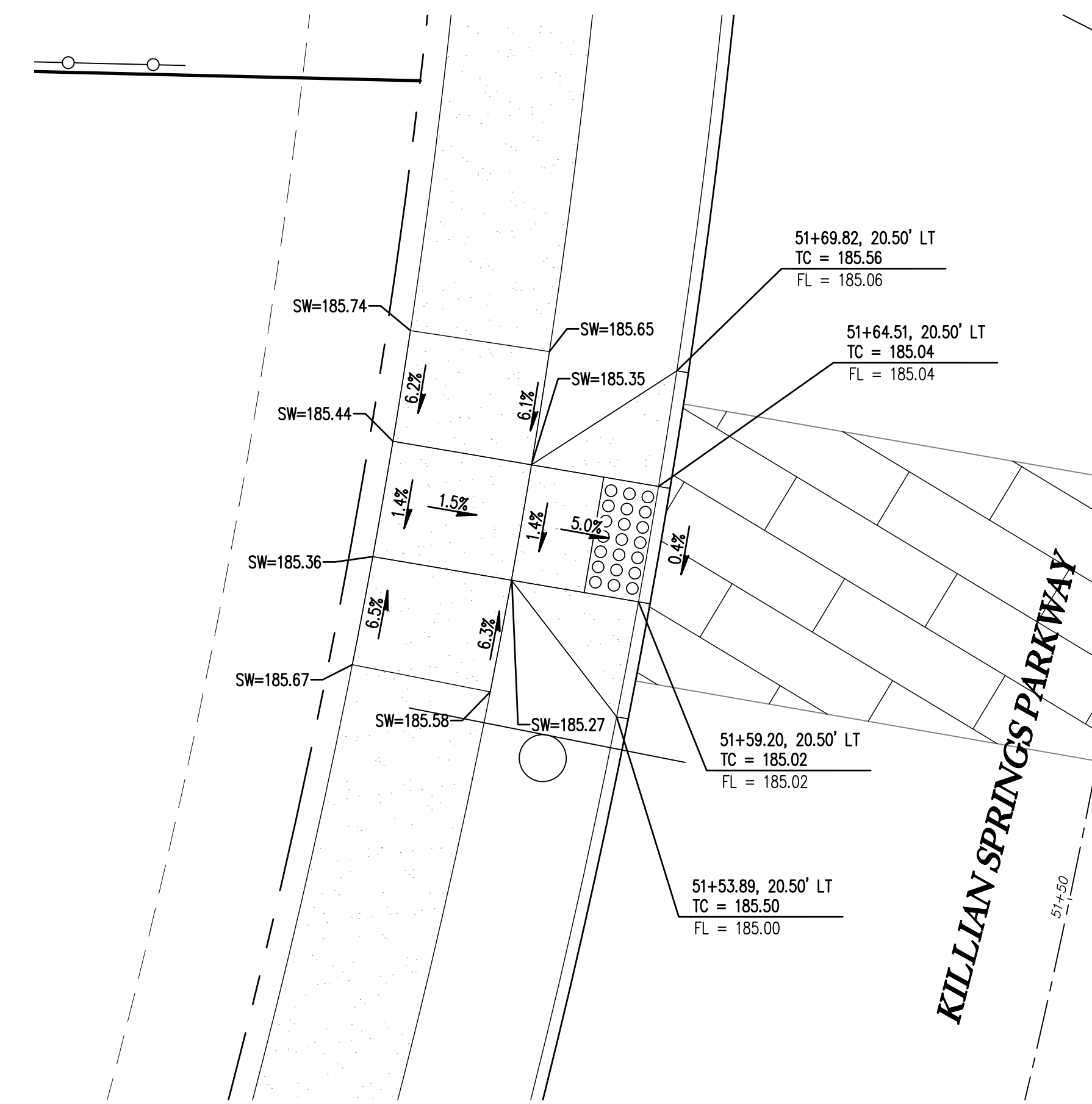
CURB RETURN - NW CORNER OF KILLIAN AND AUSTIN 9
1" = 5'



CURB RETURN - SE CORNER OF KILLIAN AND DESANTIS 10
1" = 5'



CURB RETURN - NE CORNER OF KILLIAN AND DESANTIS 11
1" = 5'



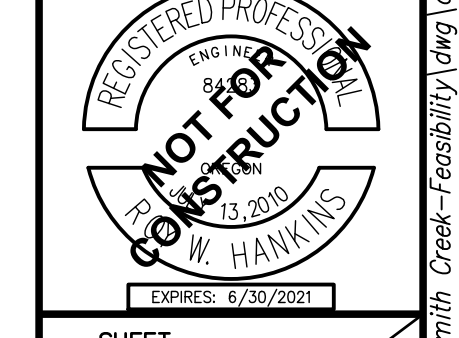
CURB RETURN - W CORNER OF KILLIAN AND DESANTIS 12
1" = 5'

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

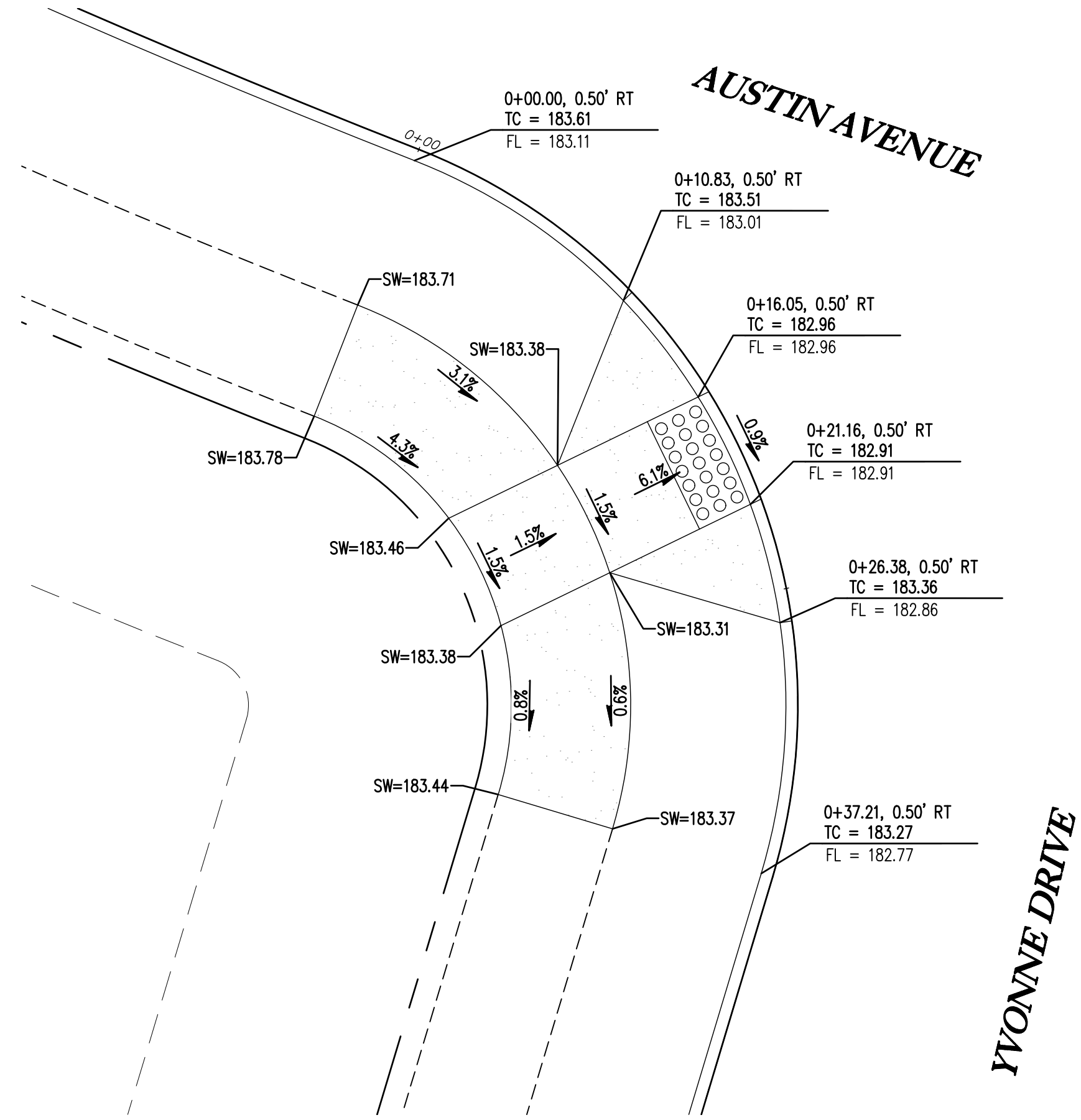
CURB RETURN DETAILS

REVISIONS	
NO.	DESCRIPTION
0	1ST SUBMITTAL

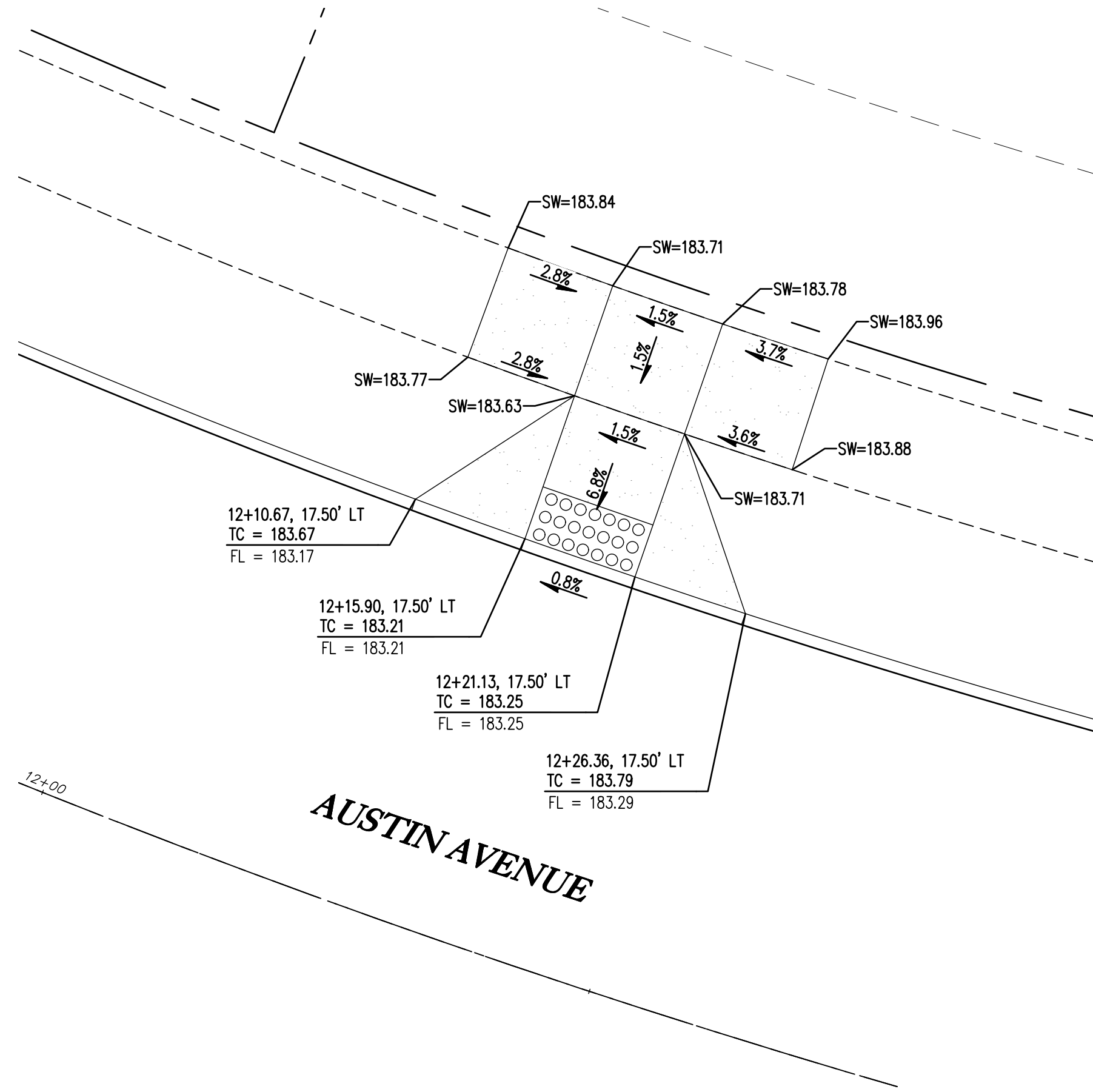
EMERIO Design
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WOODBURN, OREGON 97149
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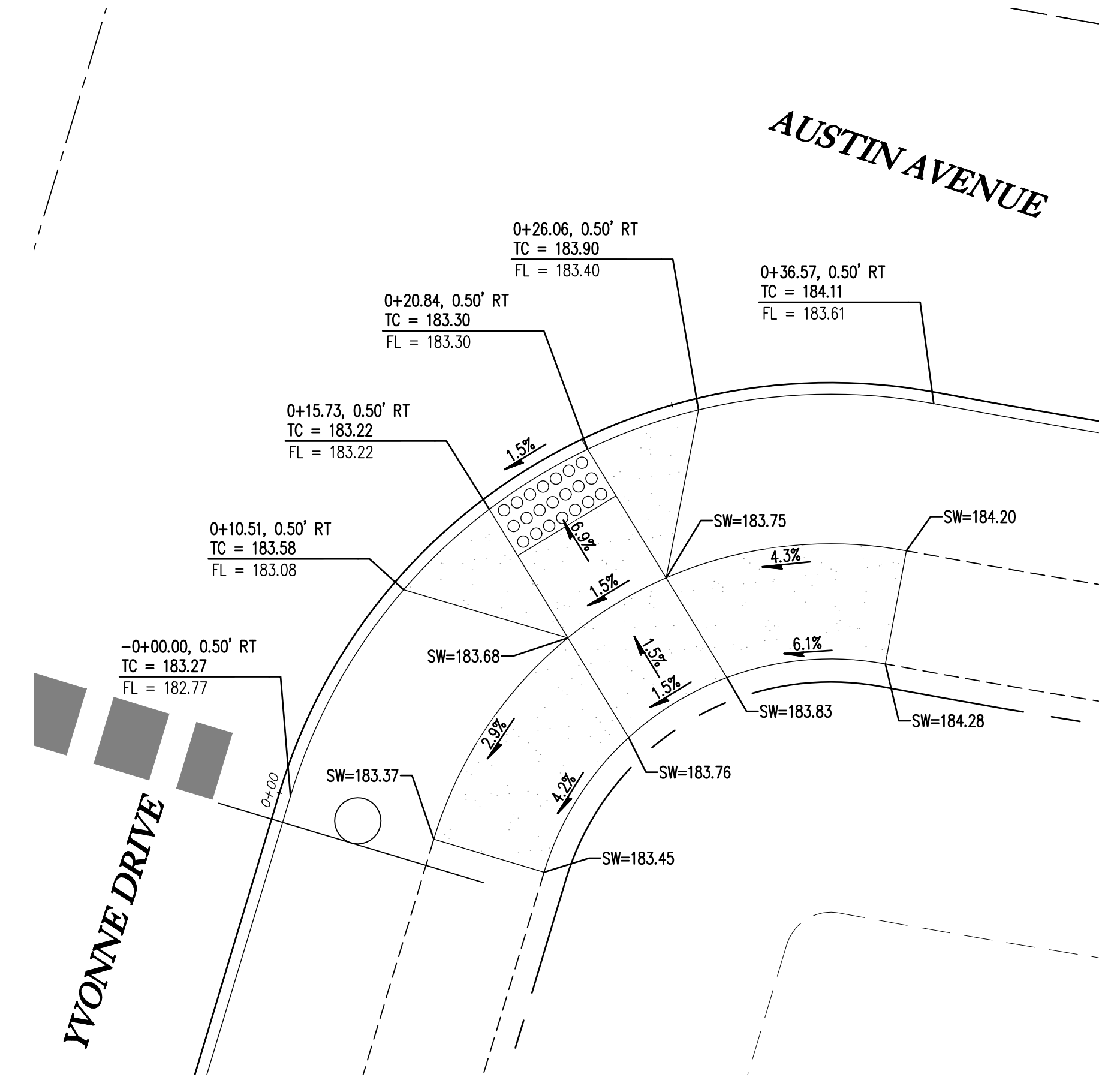
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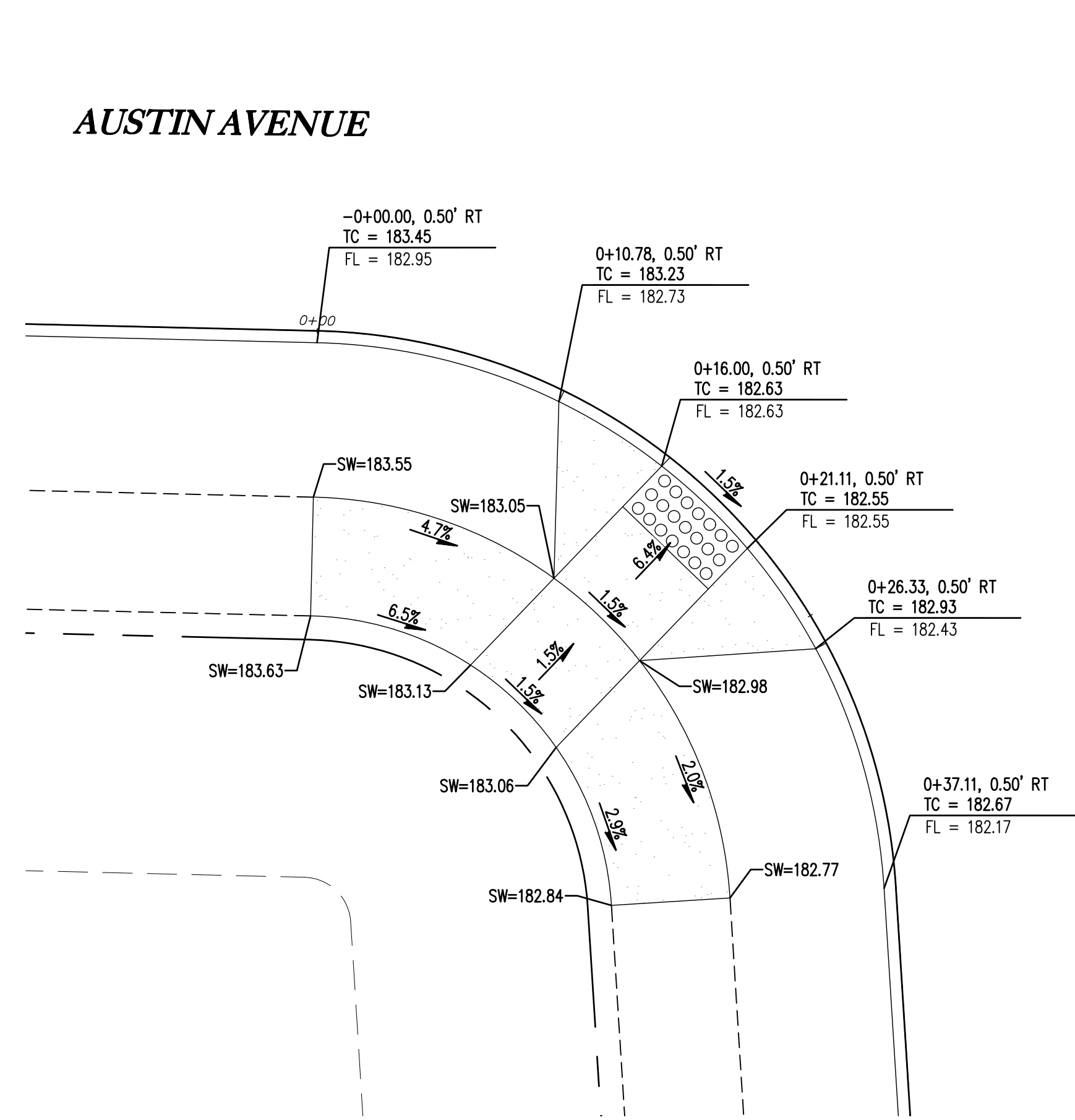
CURB RETURN - SW CORNER OF AUSTIN AND YVONNE 13
1" = 5'



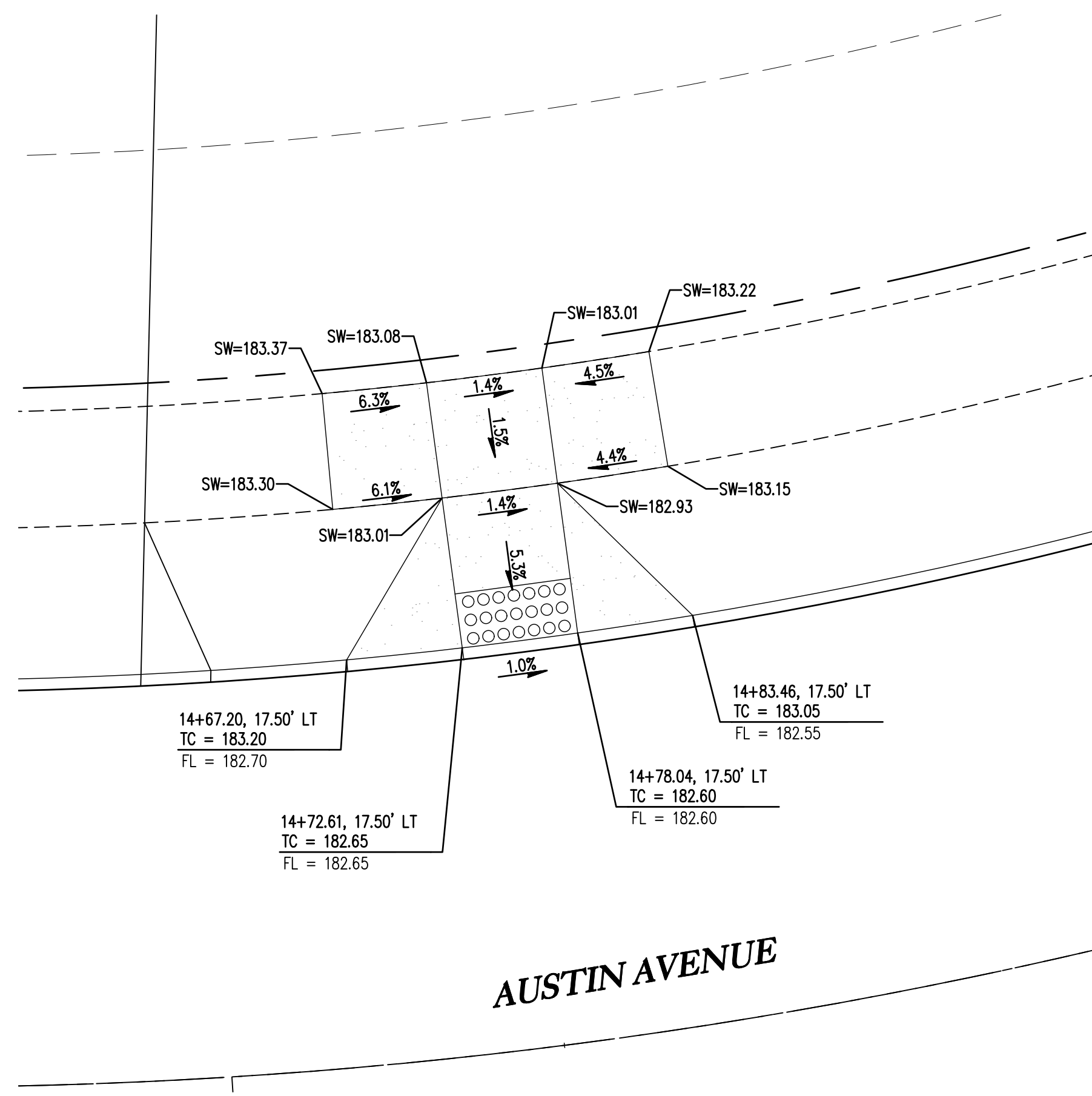
CURB RETURN - N CORNER OF AUSTIN AND YVONNE 14
1" = 5'



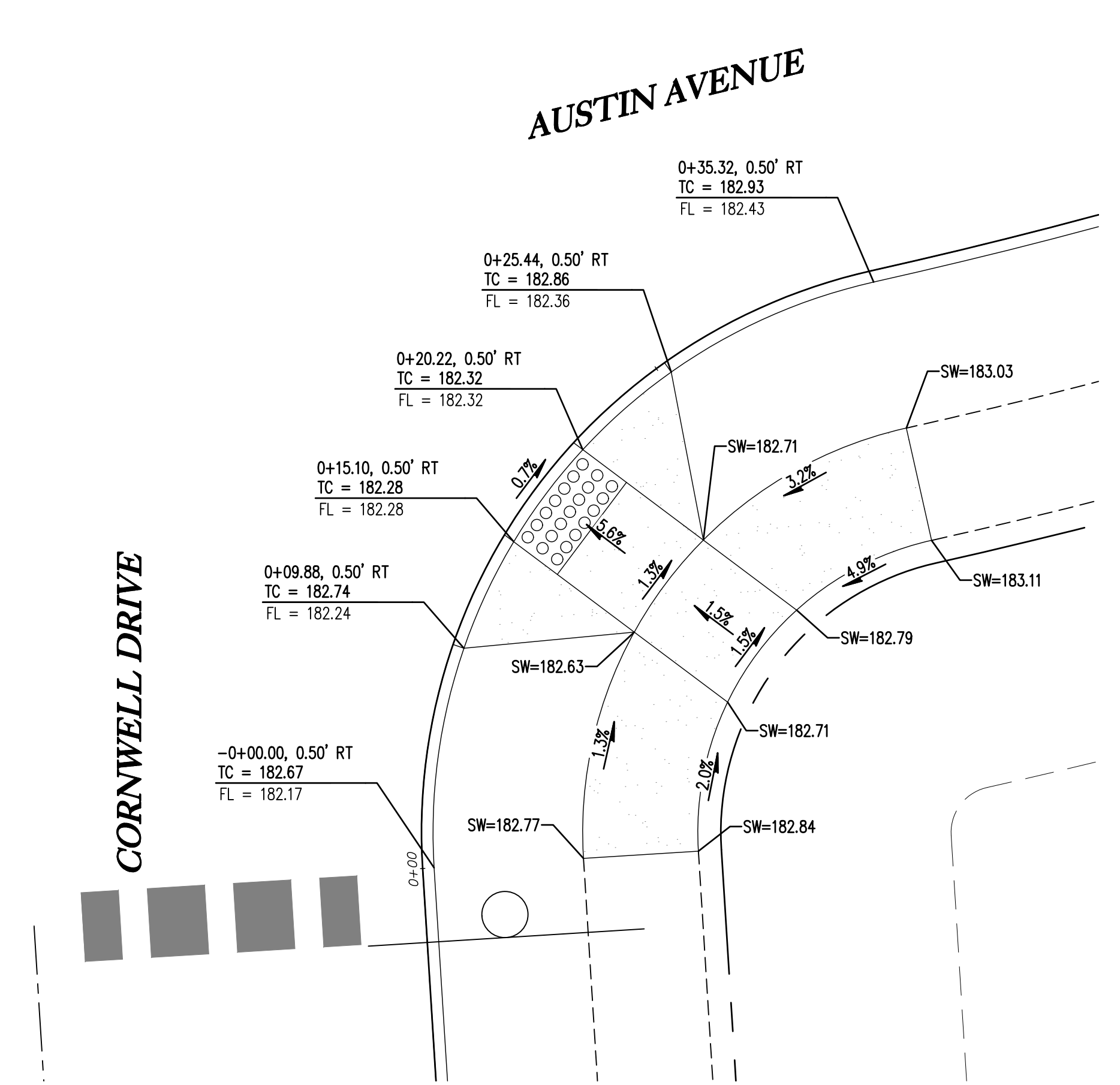
CURB RETURN - SE CORNER OF AUSTIN AND YVONNE 15
1" = 5'



CURB RETURN - SW CORNER OF AUSTIN AND CORNWELL 16
1" = 5'



CURB RETURN - N CORNER OF AUSTIN AND CORNWELL 17
1" = 5'



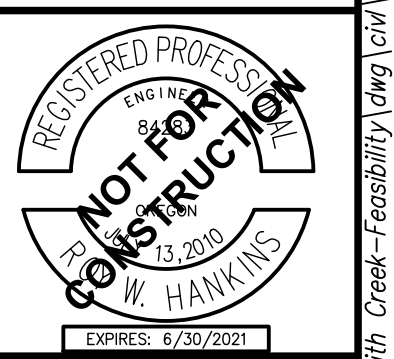
CURB RETURN - SE CORNER OF AUSTIN AND CORNWELL 18
1" = 5'

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

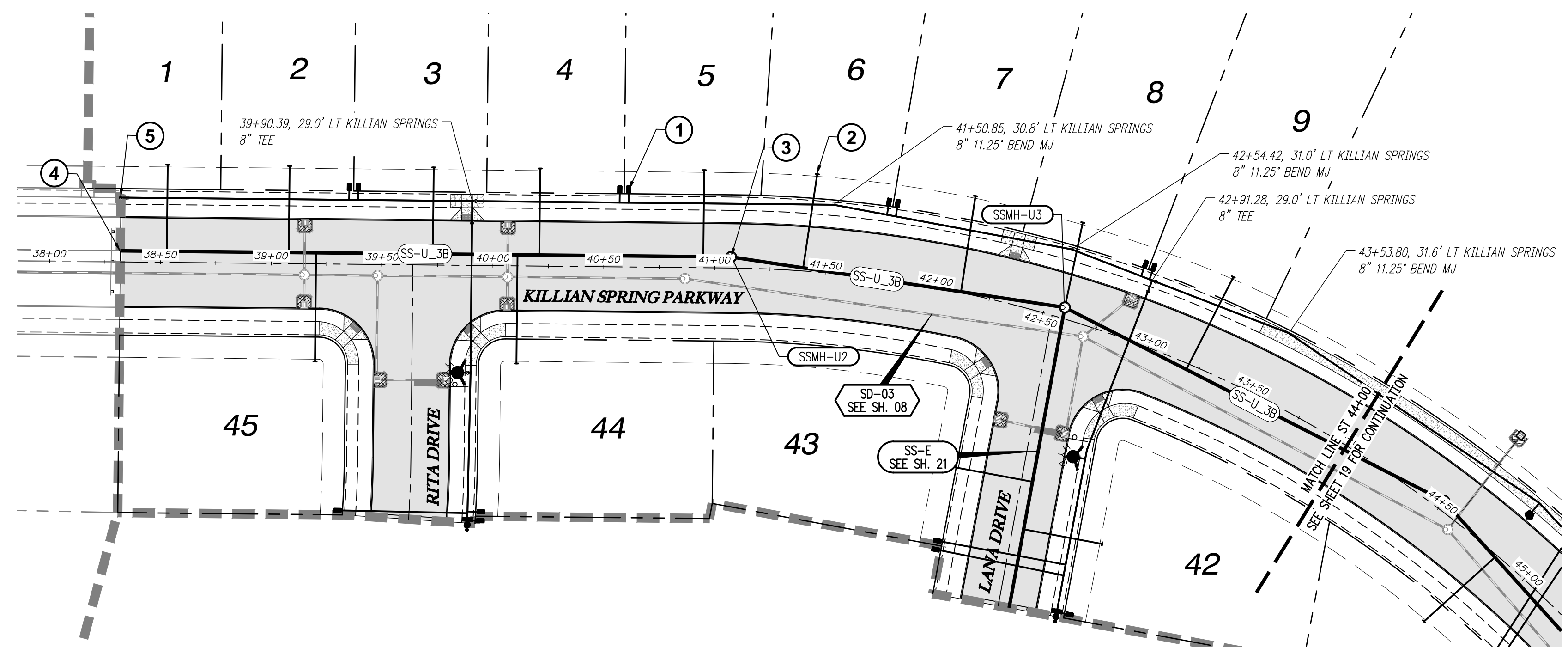
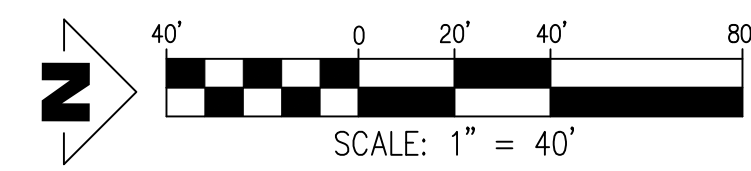
CURB RETURN DETAILS

REVISIONS	
NO.	DESCRIPTION
0	04/2020 1ST SUBMITTAL

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WOODBURN, OR 97151
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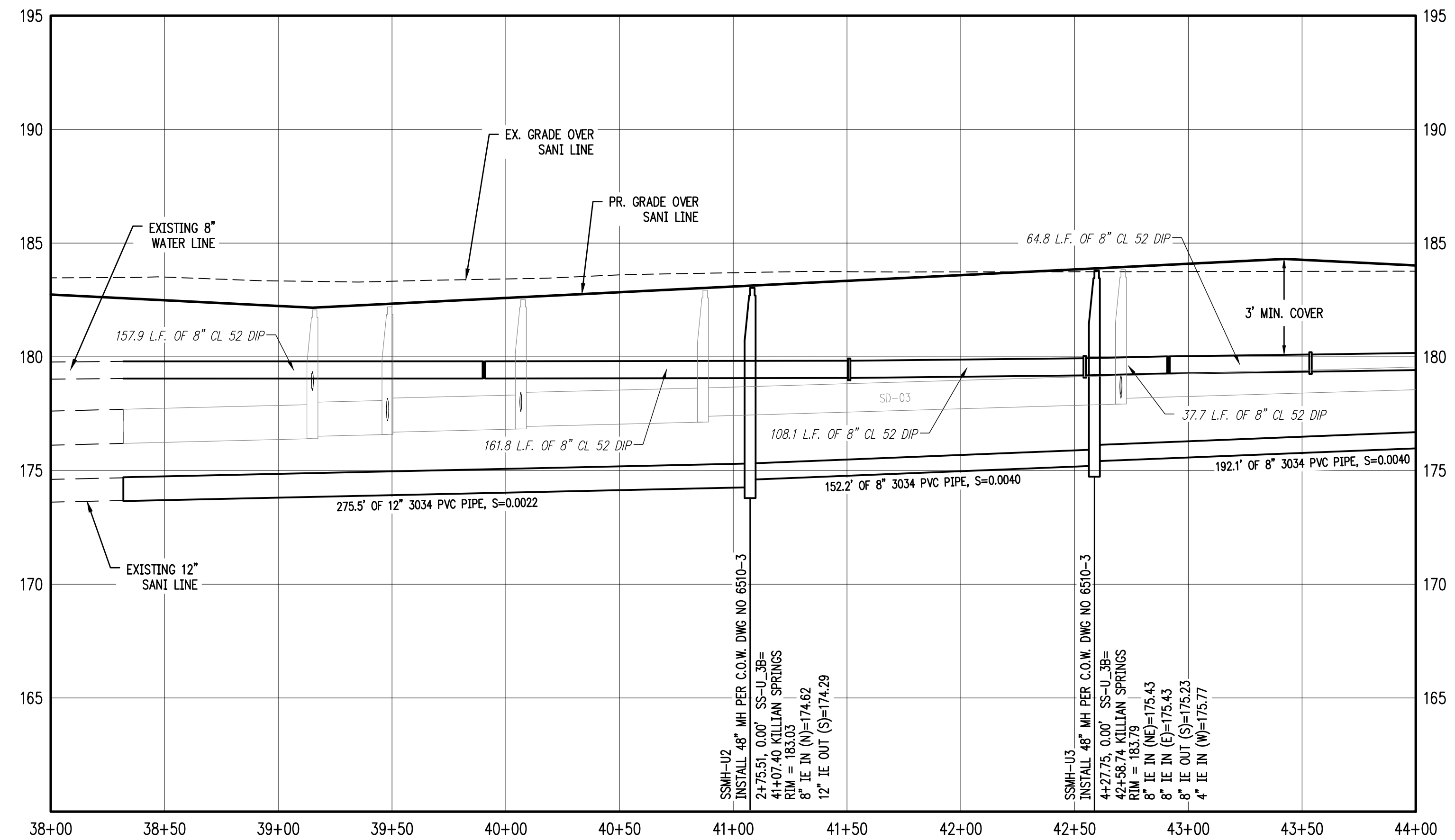


FILE: P:\471-001-Smith Creek-Feasibility (dwg)\Phase 3B\471-001_Tcap03_Layout: 17 CURB RETURN DETAILS, Plot Date: 4/13/2020 2:23 PM, by: Ian Felis 471-001



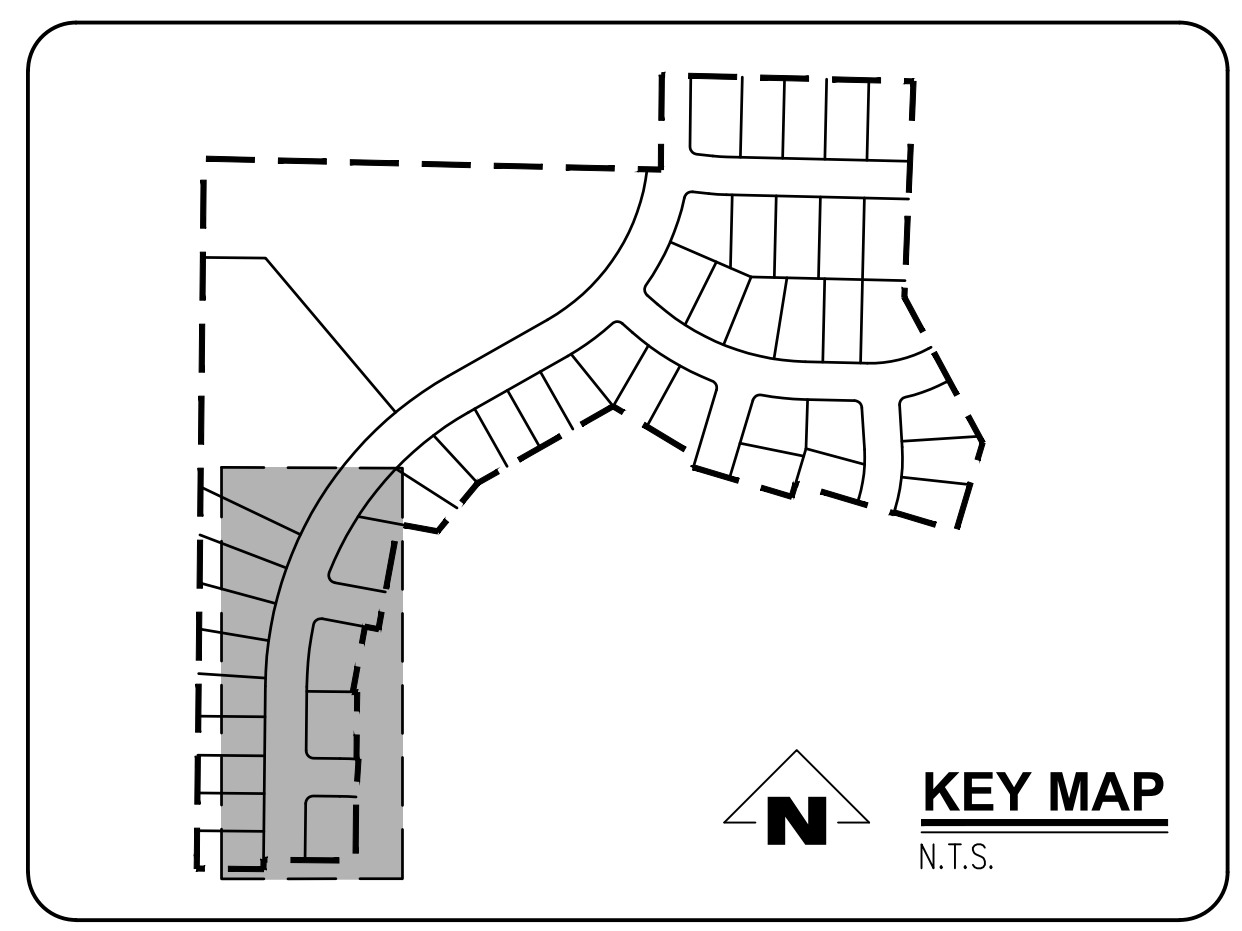
SANITARY SS-U STA 38+00 TO STA 44+00 & WATER LINE PLAN

SCALE: 1"=40'



SANITARY SS-U STA 38+00 TO STA 44+00 & WATER LINE PROFILE

SCALE: 1"=40'



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- D. ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- E. INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- ① INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- ② INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
- ③ INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
- ④ REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
- ⑤ REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
- ⑥ ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SANITARY SEWER LATERAL TABLE											
LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
1	0+21	4" 3034 PVC	39.0'	174.06		178.24		0.1072		4.6'	
2	0+76	4" 3034 PVC	39.0'	174.18		177.97		0.0971		4.6'	
3	1+41	4" 3034 PVC	39.0'	174.32		178.22		0.1000		4.6'	
4	1+89	4" 3034 PVC	39.0'	174.43		178.46		0.1035		4.7'	
5	2+63	4" 3034 PVC	39.0'	174.59		178.84		0.1088		4.6'	
6	3+08	4" 3034 PVC	42.7'	174.92		179.07		0.0971		4.7'	
7	3+80	4" 3034 PVC	43.6'	175.20		179.13		0.0900		4.9'	
8	4+28	4" 3034 PVC	39.1'	175.77		178.97		0.0818		5.3'	
9	4+89	4" 3034 PVC	46.8'	175.84		179.59		0.0801		5.0'	
44	1+79	4" 3034 PVC	49.0'	174.41		177.65		0.0663		4.9'	
45	0+88	4" 3034 PVC	49.0'	174.21		177.64		0.0701		4.6'	

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

SANITARY SS-U STA 38+00 TO 44+00 & WATER LINE
PLAN & PROFILE

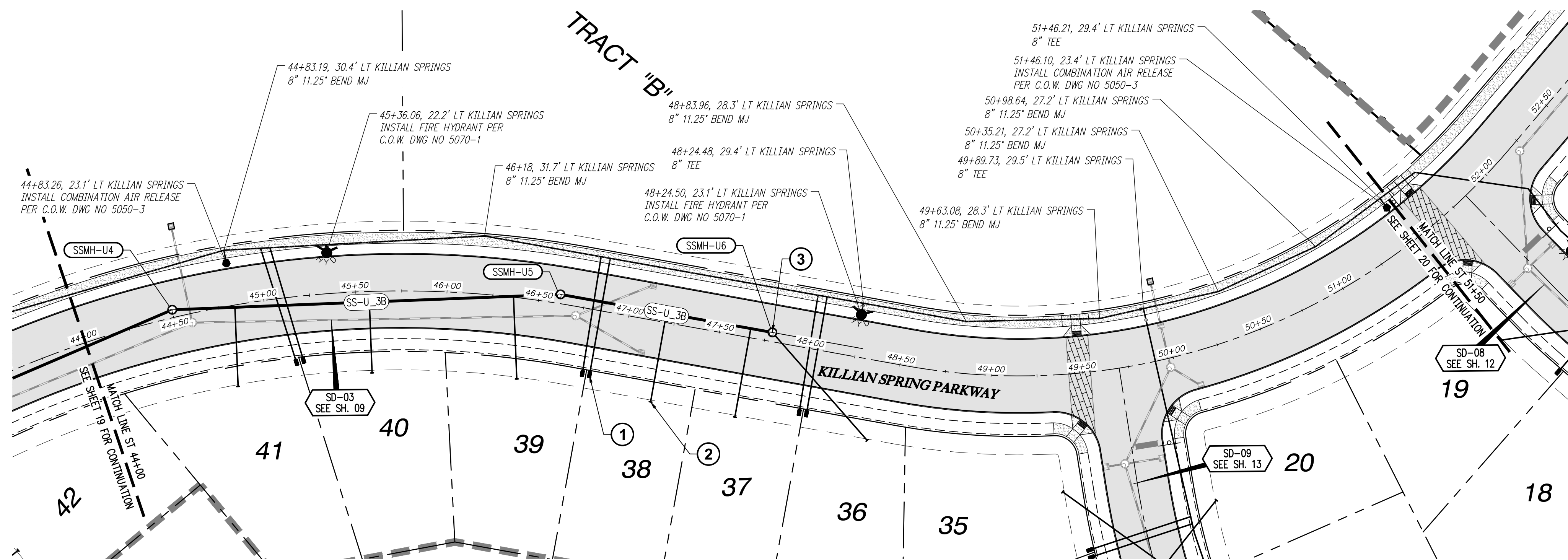
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

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 2677 WILLAKENZIE ROAD, SUITE 1A
 WOODBURN, OREGON 97149
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 FAX: (503) 639-9592
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REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
 W. HAWKINS
 EXPIRES: 6/30/2021

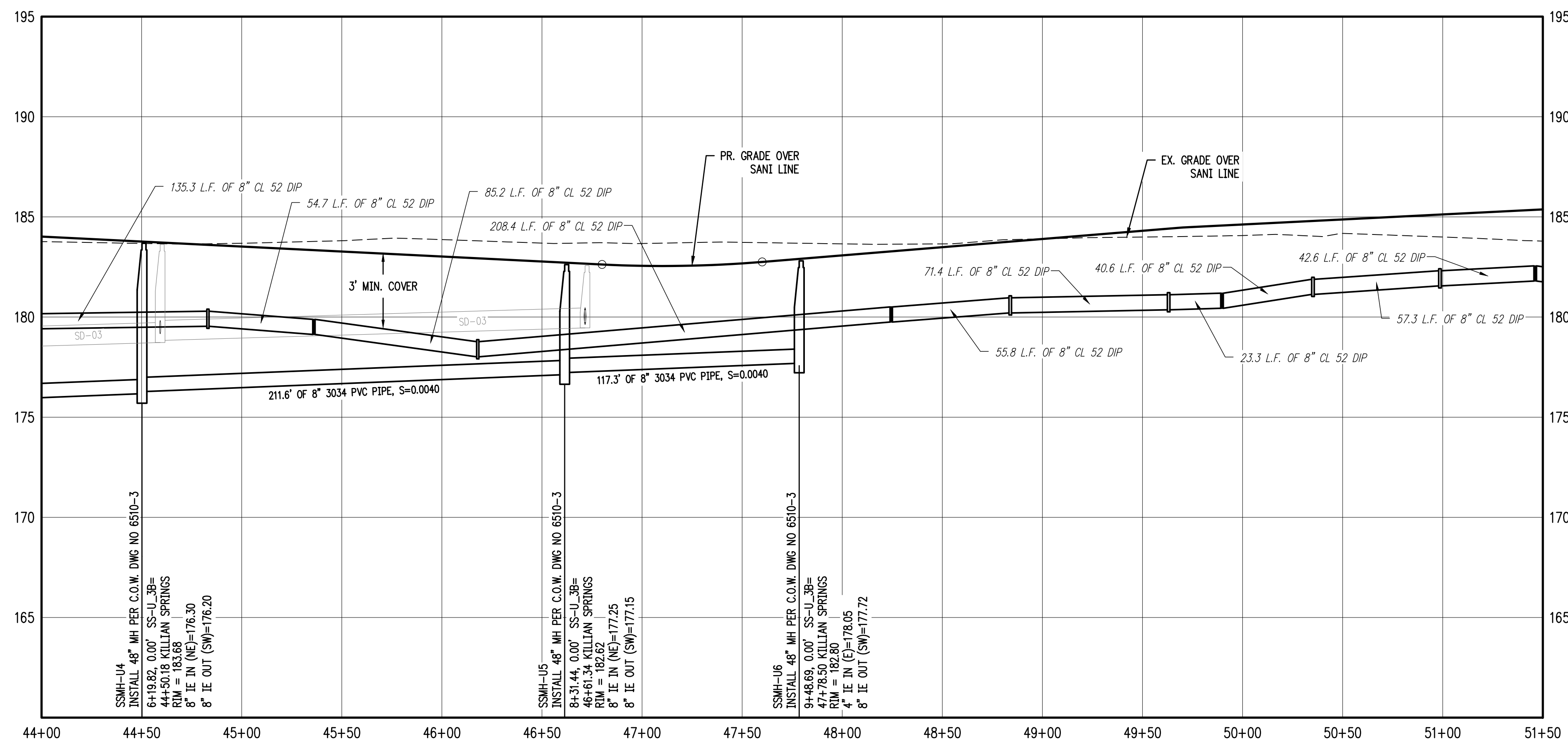
SHEET
18
 OF
31

FILE: P:\471-001-Smith Creek-Feasibility (dwg)\Phase 3B\471-001_BSS01_Layout_18_SANITARY_SS-U & WATER LINE PLAN & PROFILE_Plot Date: 4/13/2020 2:24 PM, by: Ian Felis 471-001



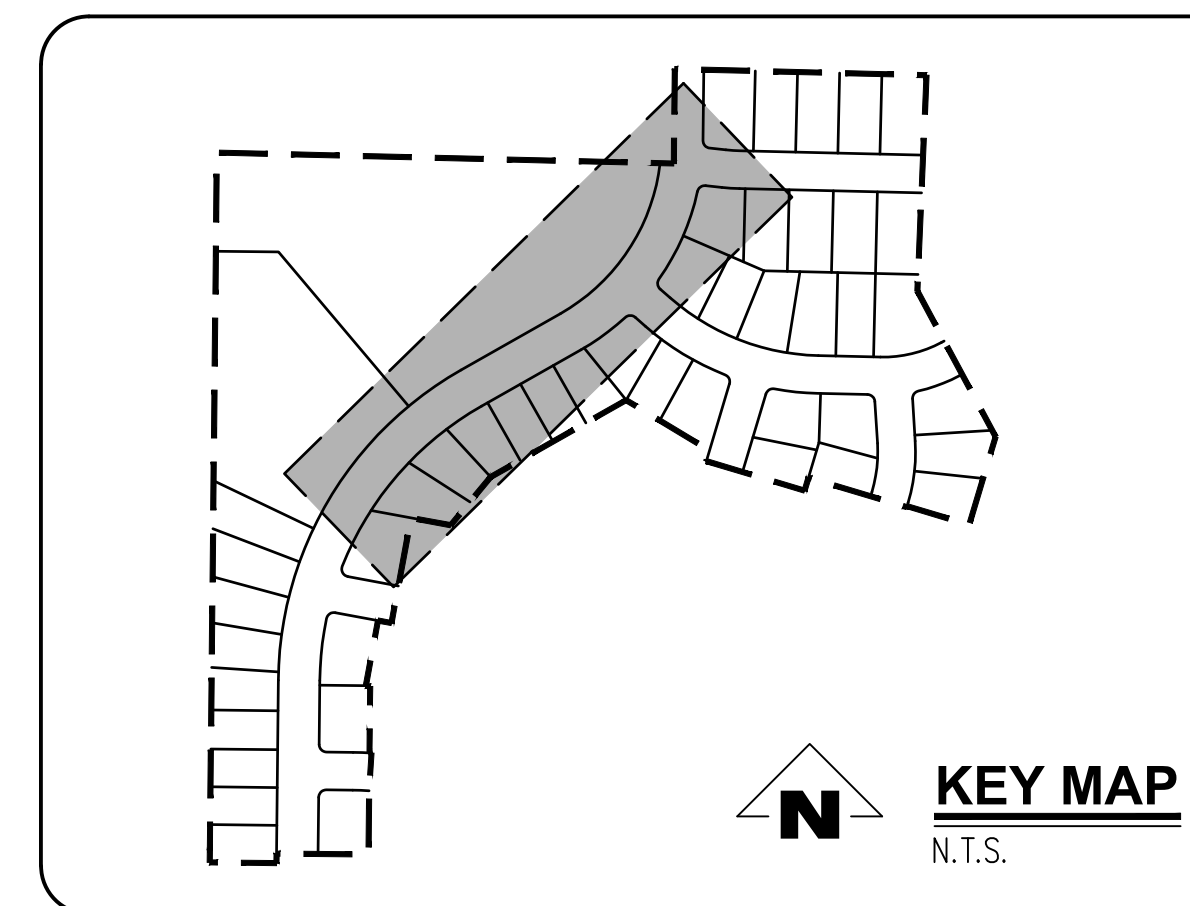
SANITARY SS-U STA 44+00 TO STA 51+50 & WATER LINE PLAN

SCALE: 1"=40'



SANITARY SS-U STA 44+00 TO STA 51+50 & WATER LINE PROFILE

SCALE: 1"=40'



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- D. ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- E. INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- ① INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- ② INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
- ③ INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
- ④ REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
- ⑤ REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
- ⑥ ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SANITARY SEWER LATERAL TABLE											
LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
36	9+49	4" 3034 PVC	78.2'	178.05	179.61			0.0200		4.1'	
37	9+37	4" 3034 PVC	49.0'	177.84	178.82			0.0200		4.4'	
38	8+90	4" 3034 PVC	49.0'	177.65	178.63			0.0200		4.3'	
39	8+06	4" 3034 PVC	45.1'	177.21	178.20			0.0219		5.0'	
40	7+27	4" 3034 PVC	38.7'	176.90	178.66			0.0454		5.0'	
41	6+54	4" 3034 PVC	43.1'	176.60	179.04			0.0565		5.0'	

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

SANITARY SS-U STA 44+00
TO 51+50 & WATER LINE
PLAN & PROFILE

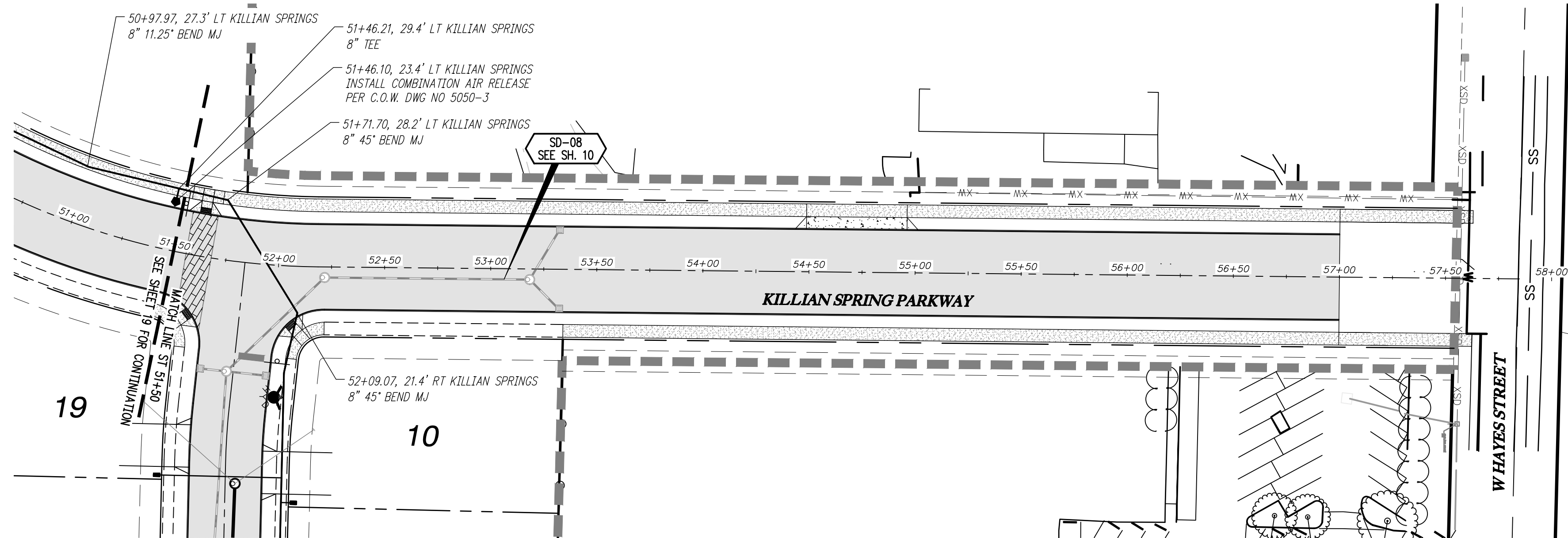
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

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2677 WILLAKENZIE ROAD, SUITE 1A
WOODBURN, OR 97151
TEL: (503) 746-8812
FAX: (503) 639-9592
www.emeriodesign.com

REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HANKINS
EXPIRES: 6/30/2021

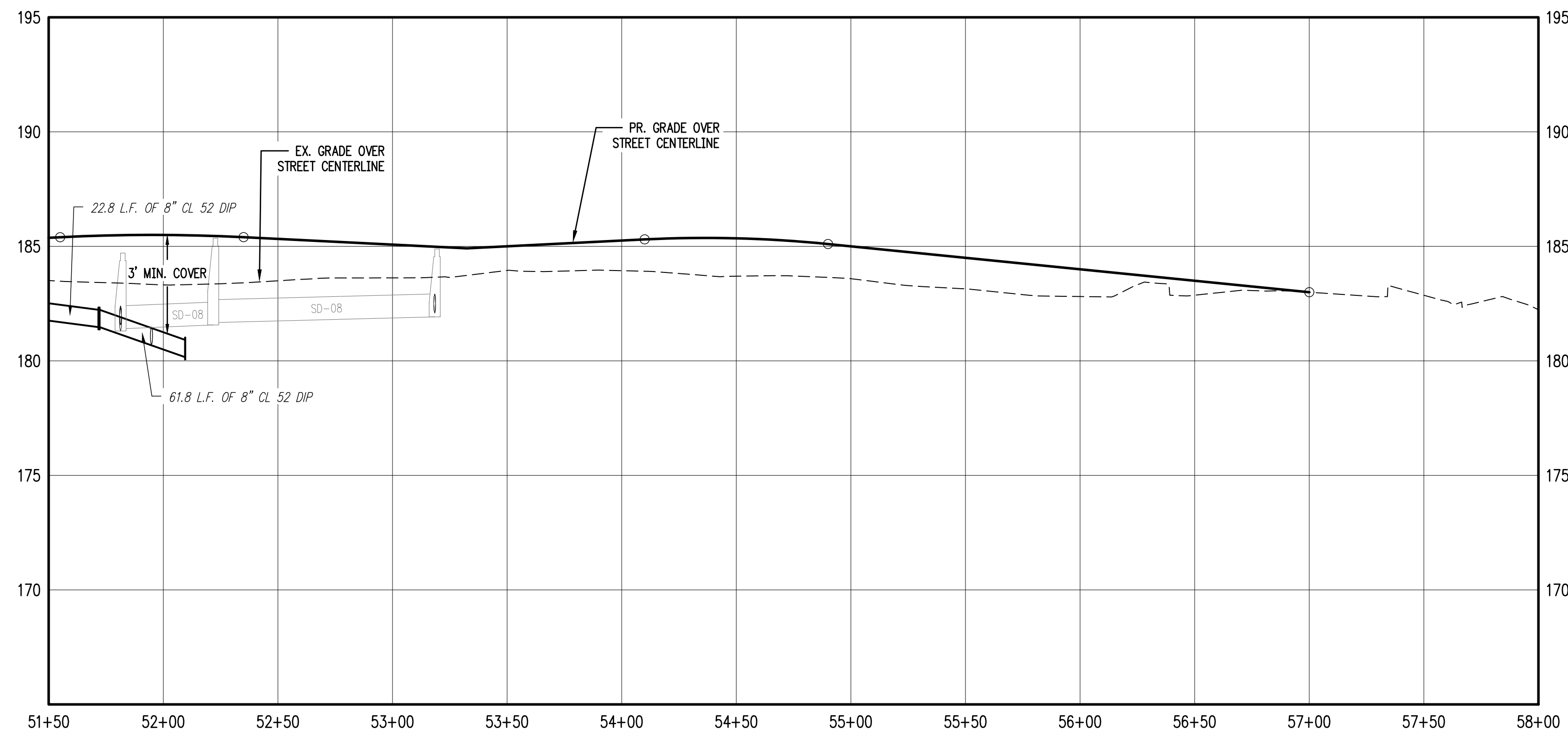
SHEET 19 OF 31

FILE: P:\471-001-Smith Creek-Feasibility.dwg (Phase 3B) 471-001_BSS02_Layout_19_SANITARY SS-U & WATER LINE PLAN & PROFILE_Plot Date: 4/13/2020 2:25 PM, by: Ian Felts 471-001



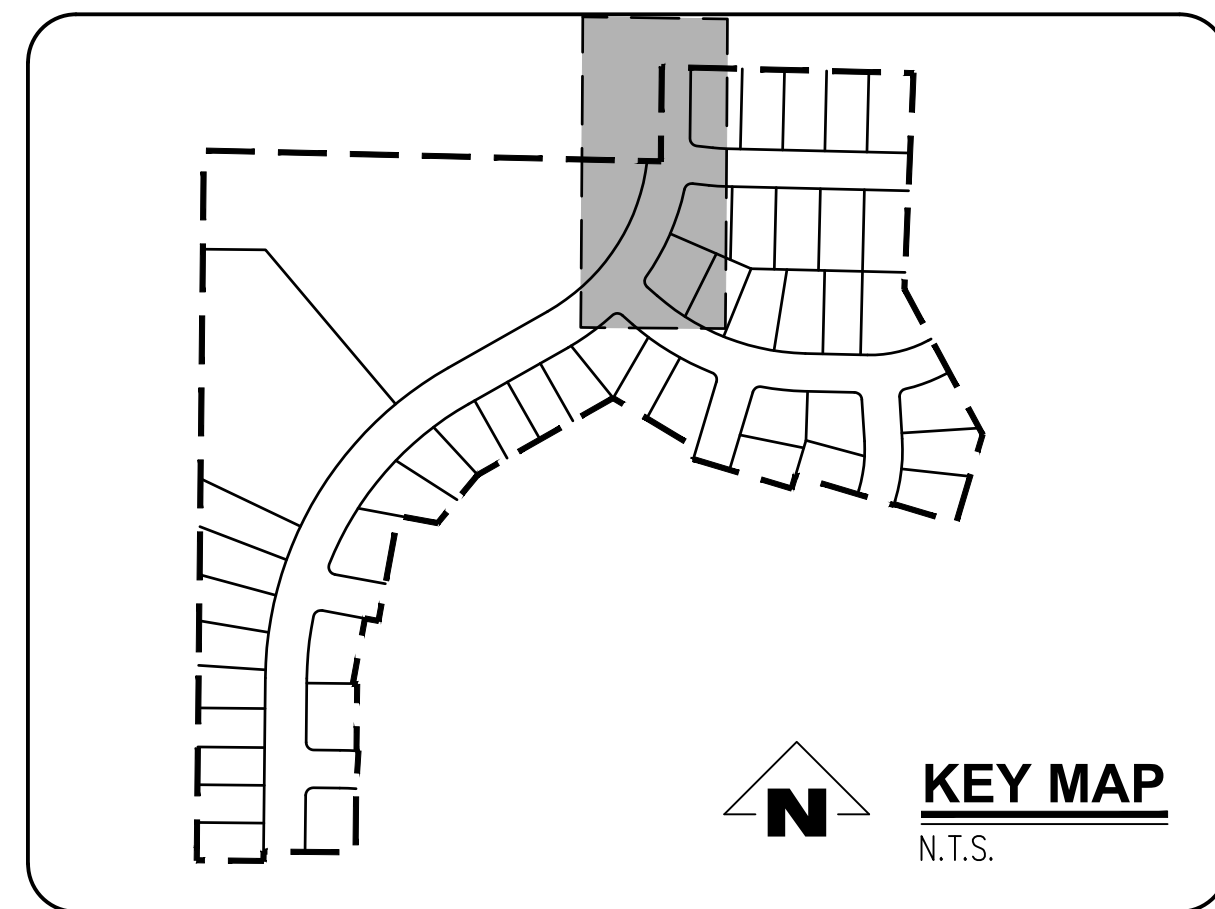
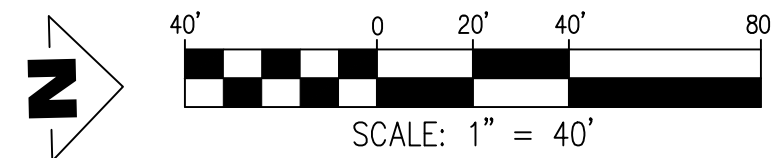
KILLIAN SPRING STA 51+50 TO 58+00 & WATER LINE PLAN

SCALE: 1"=40'



KILLIAN SPRING STA 51+50 TO 58+00 & WATER LINE PROFILE

SCALE: 1"=40'



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- D. ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- E. INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- ① INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- ② INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
- ③ INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
- ④ REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
- ⑤ REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
- ⑥ ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

KILLIAN SPRING STA
51+50 TO 58+00 & WATER
LINE PLAN & PROFILE

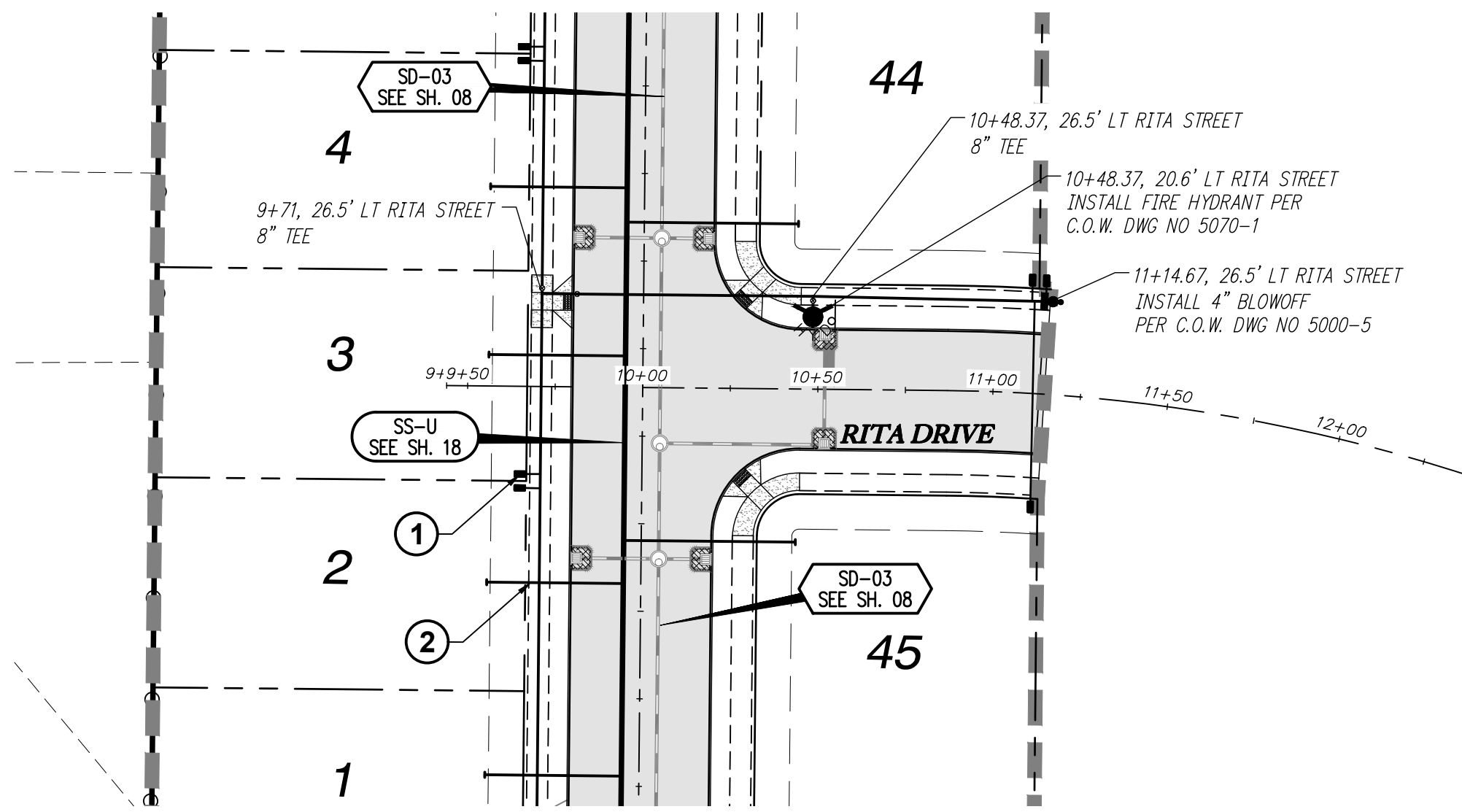
REVISIONS	
NO.	DESCRIPTION
0	04/2020 1ST SUBMITTAL

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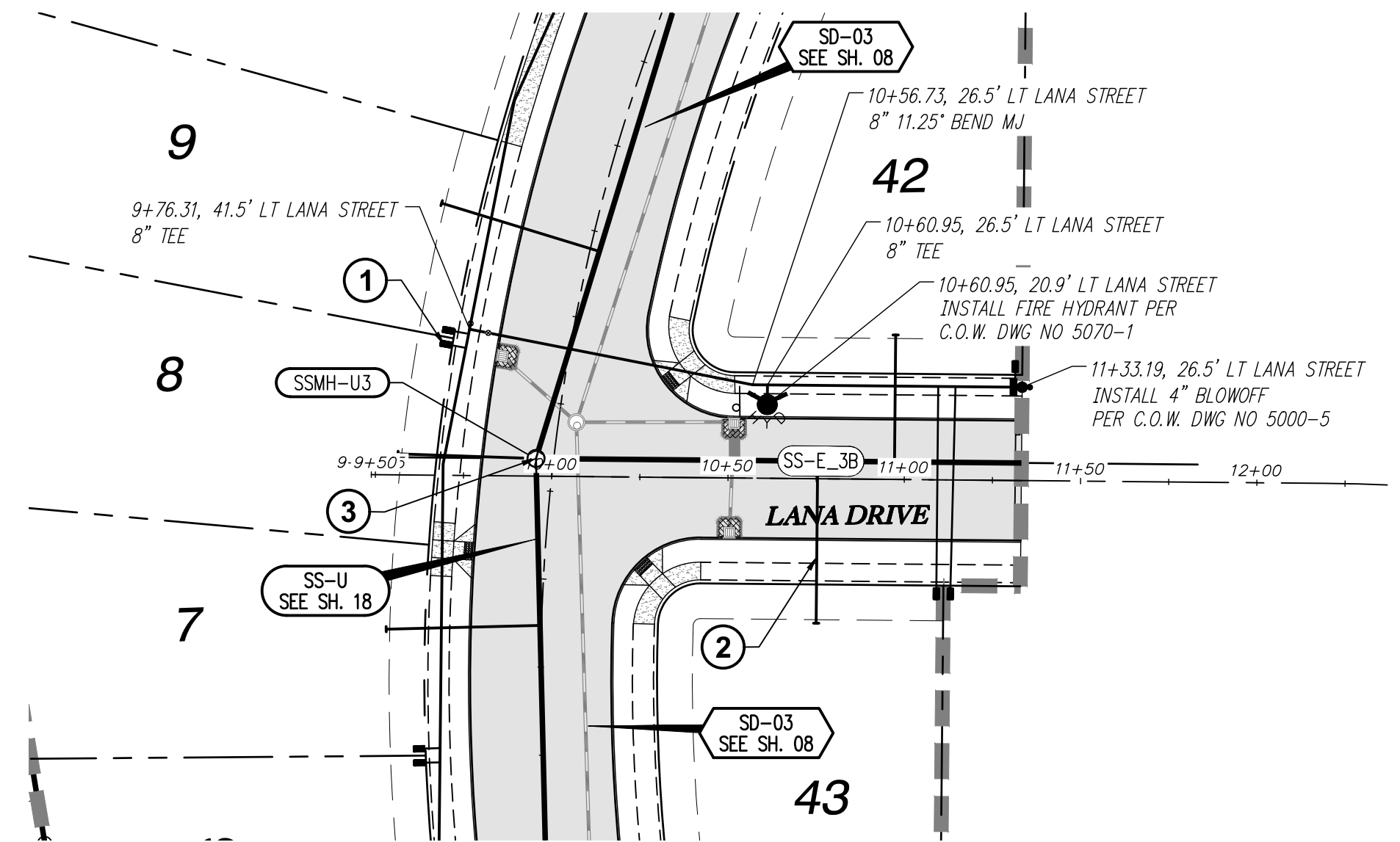


SHEET
20
OF
31



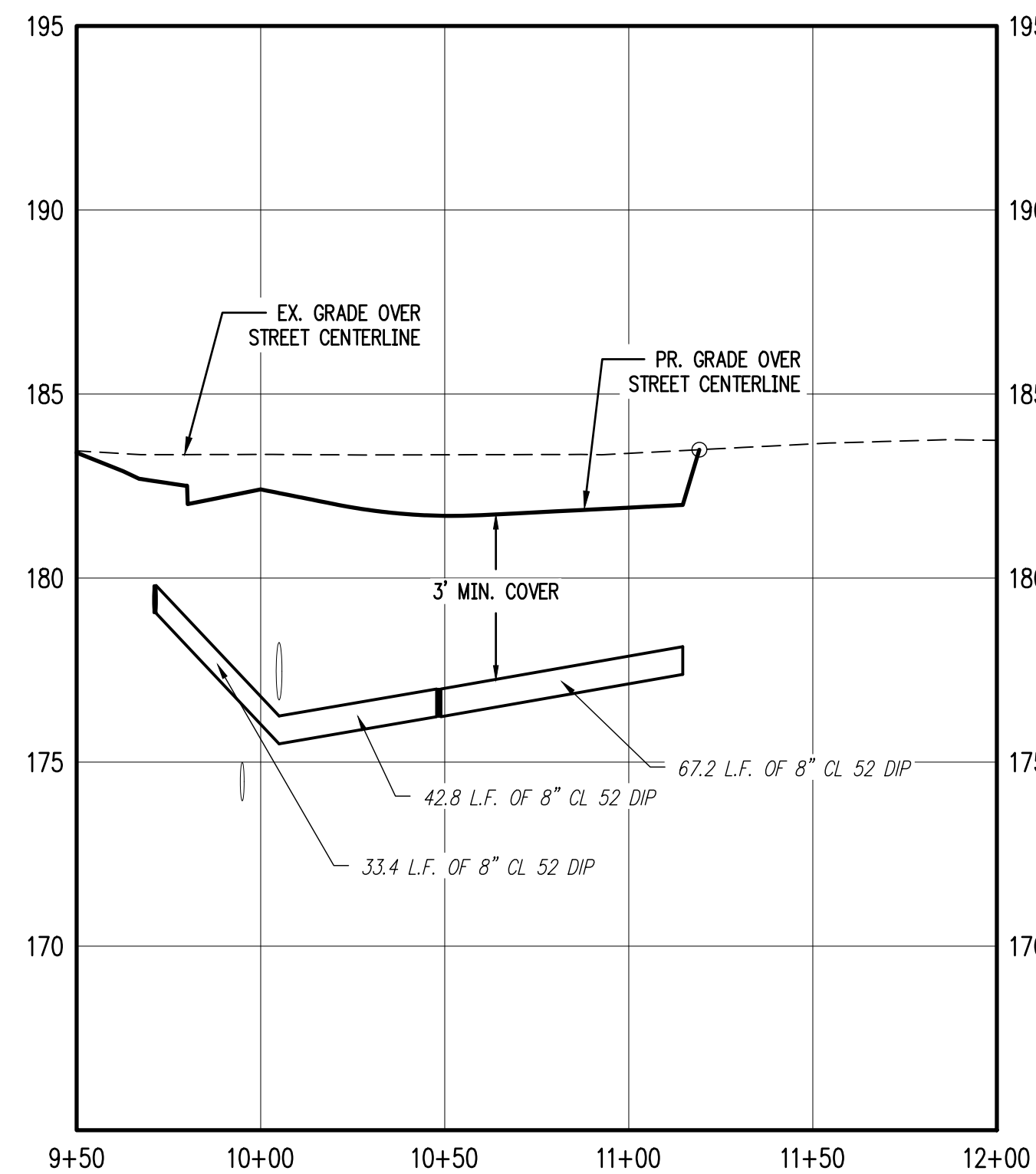
RITA DRIVE STA 9+50 TO STA 12+00 WATER LINE PLAN

SCALE: 1"=40'



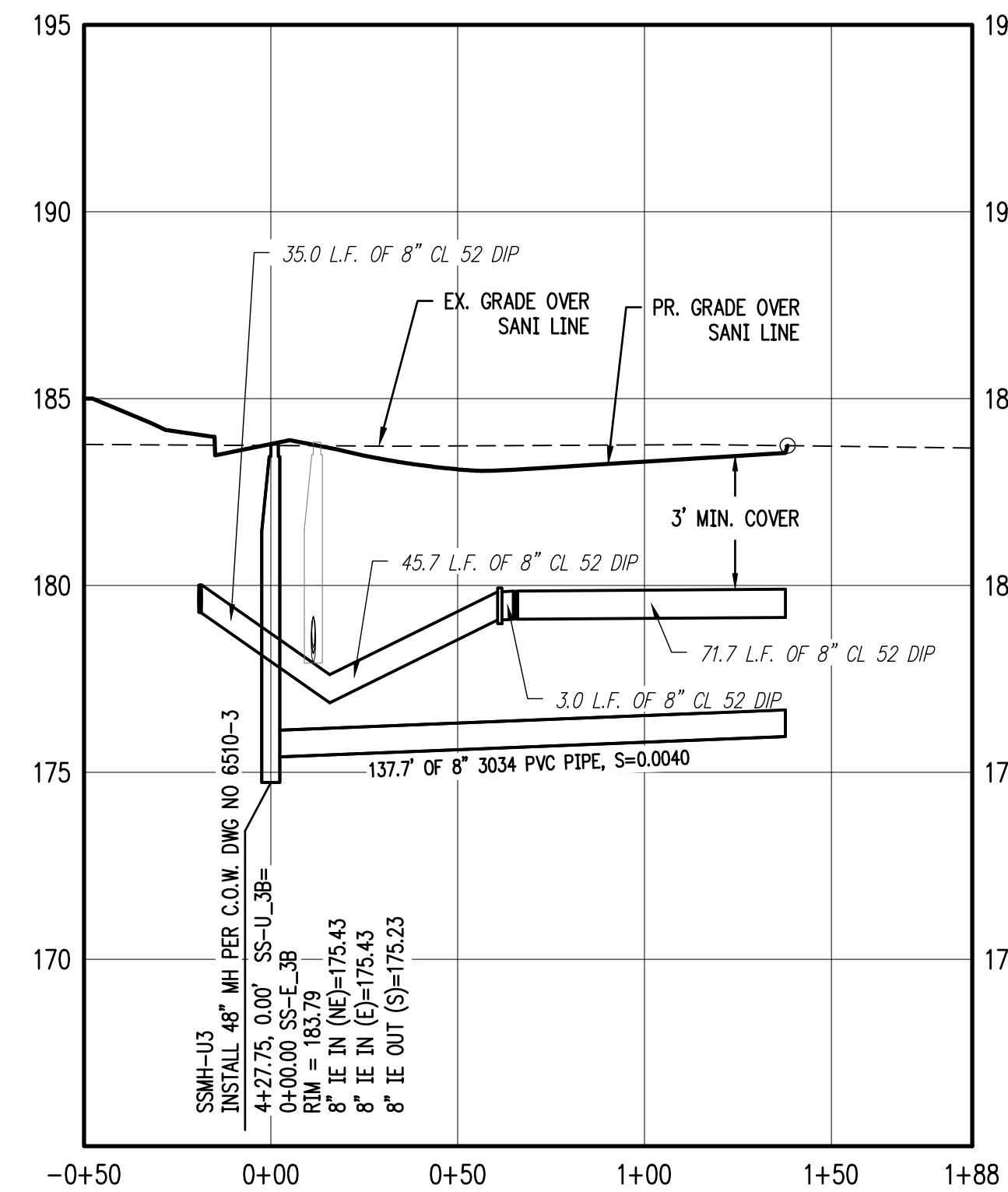
SANITARY SS-E STA 9+50 TO STA 12+00 & WATER LINE PLAN

SCALE: 1"=40'



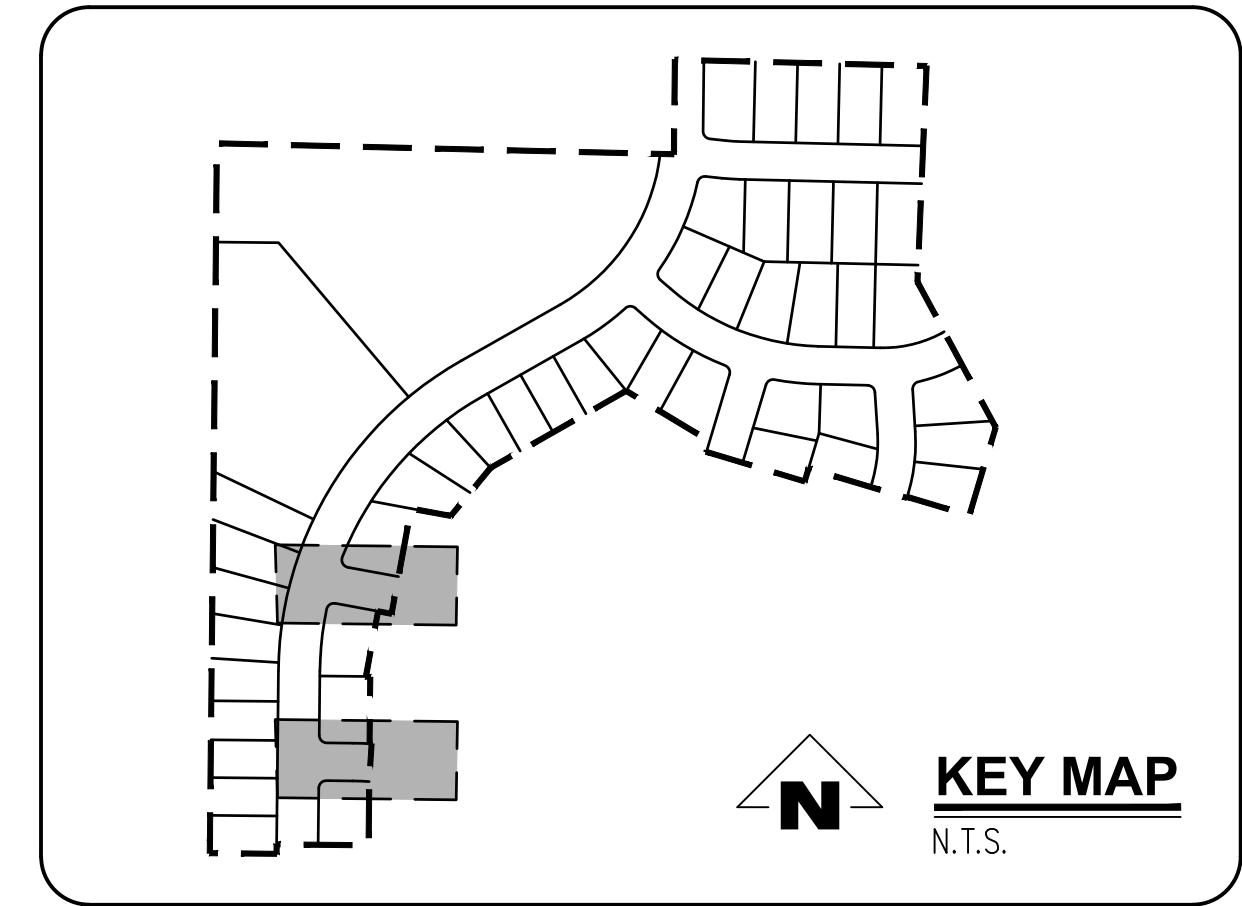
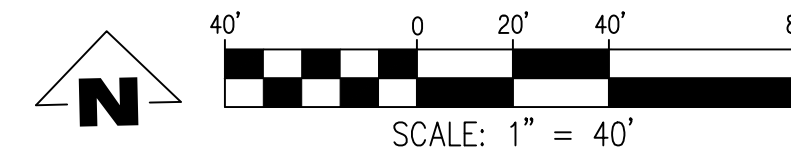
RITA DRIVE STA 9+50 TO STA 12+00 WATER LINE PROFILE

SCALE: 1"=40'



SANITARY SS-E STA 9+50 TO STA 12+00 & WATER LINE PROFILE

SCALE: 1"=40'



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- D. ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- E. INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

1. INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
2. INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
3. INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
4. REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
5. REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
6. ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SANITARY SEWER LATERAL TABLE

LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
42	1+02	4" 3034 PVC	36.0'	176.00		178.70		0.0750		5.1'	
43	0+80	4" 3034 PVC	46.0'	175.92		179.12		0.0696		4.6'	

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

RITA DR, SANITARY SS-E
& WATER LINE PLAN &
PROFILE

REVISIONS

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

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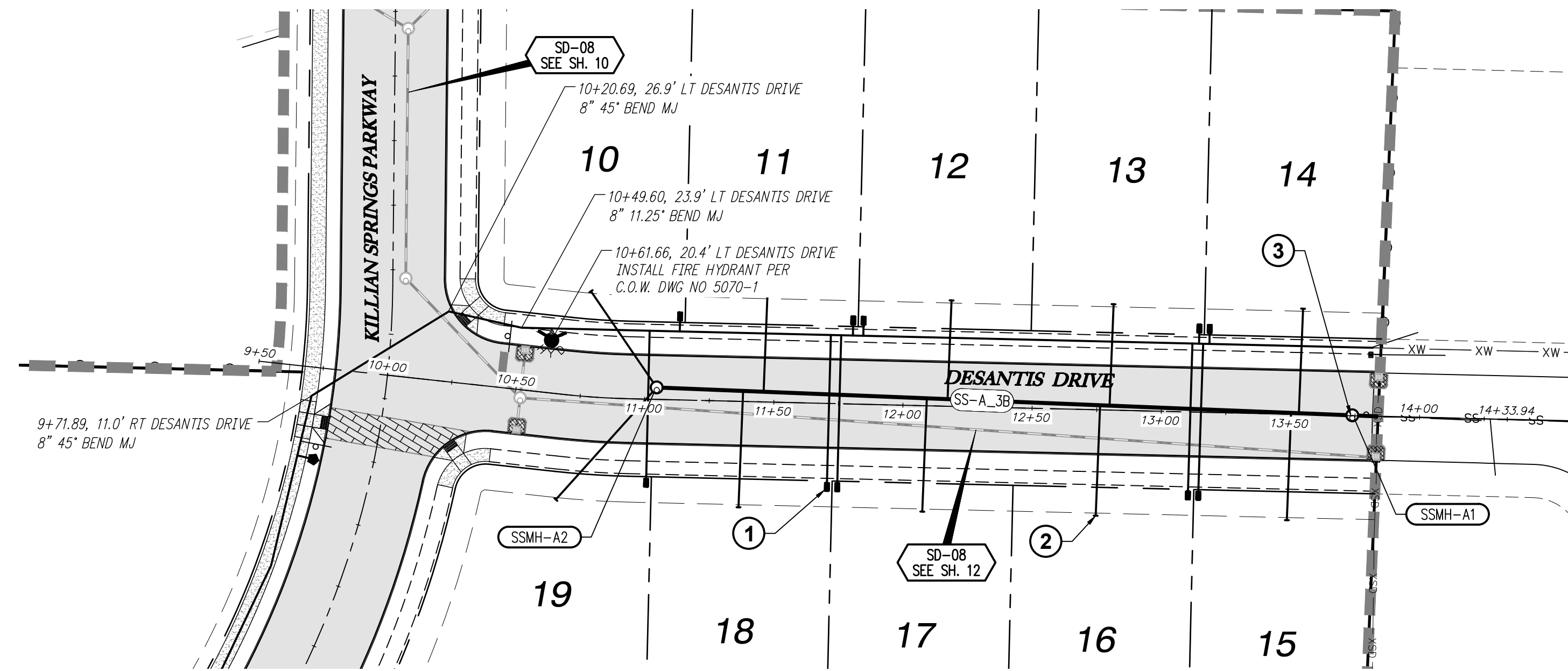
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21

OF

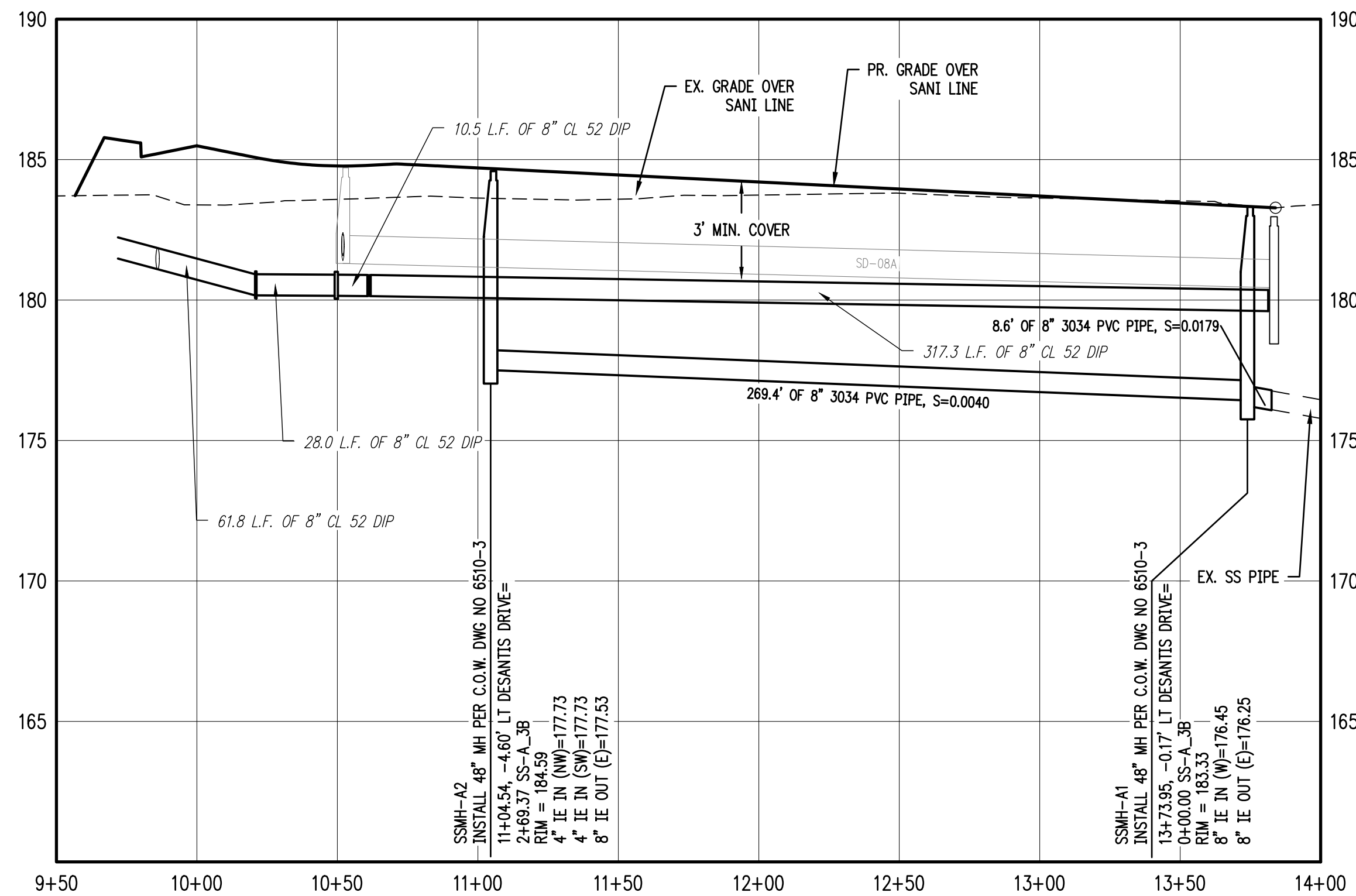
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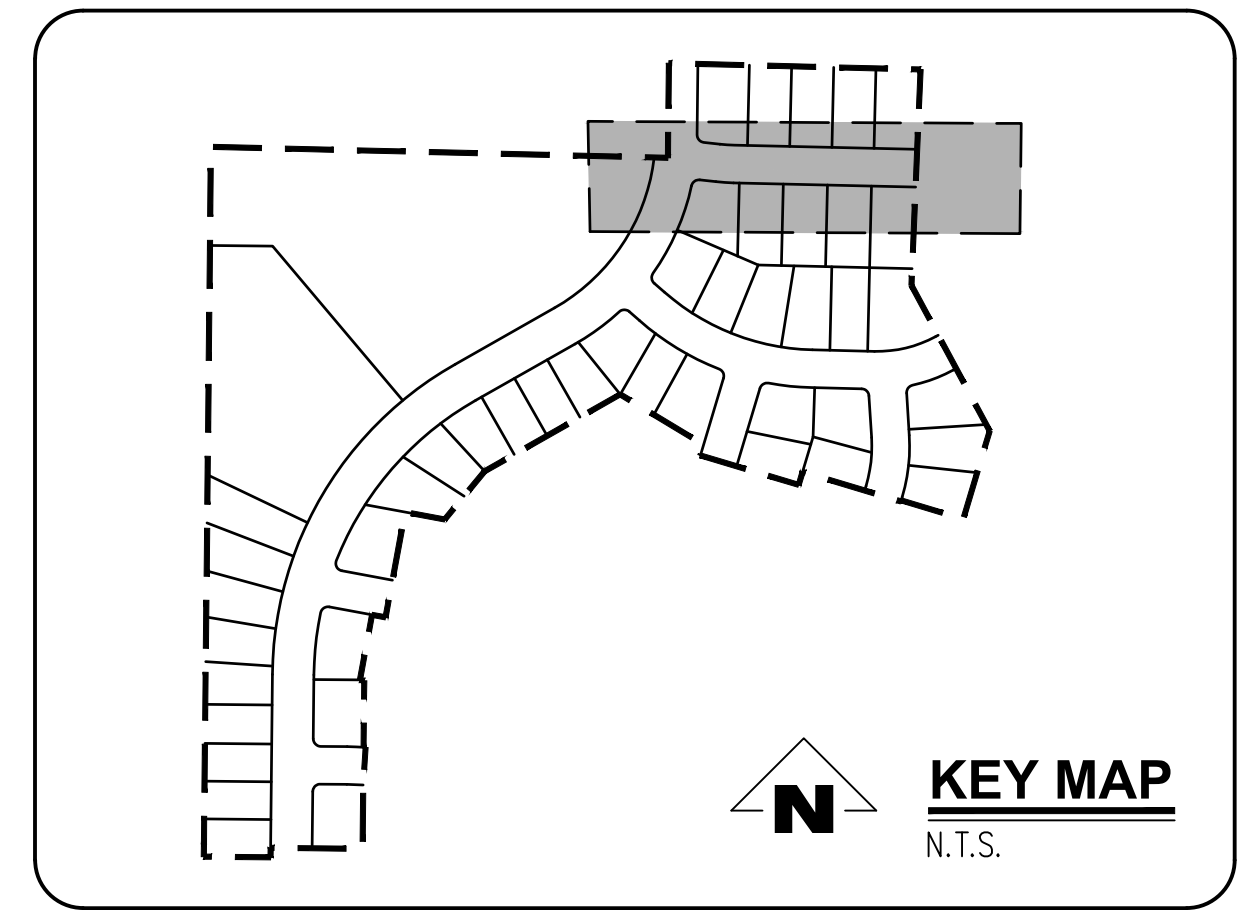
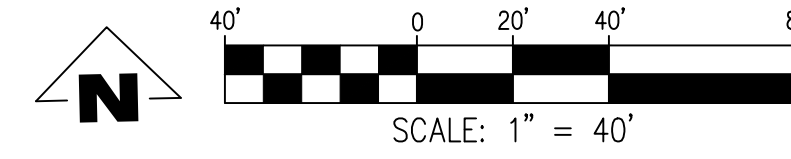
SANITARY SS-A STA 9+50 TO 14+00 & WATER LINE PLAN

SCALE: 1"=40'



SANITARY SS-A STA 9+50 TO 14+00 & WATER LINE PROFILE

SCALE: 1"=40'



GENERAL NOTES:

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- BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
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- REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
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- ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SANITARY SEWER LATERAL TABLE

LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
10	2+69	4" 3034 PVC	45.1'	177.73		178.86		0.0250		6.4'	
11	2+28	4" 3034 PVC	37.1'	177.53		178.75		0.0330		6.2'	
12	1+57	4" 3034 PVC	38.3'	177.24		178.66		0.0370		5.9'	
13	0+94	4" 3034 PVC	39.3'	176.99		178.56		0.0400		5.7'	
14	0+21	4" 3034 PVC	40.5'	176.70		178.42		0.0426		5.5'	
15	0+24	4" 3034 PVC	41.6'	176.71		179.29		0.0619		4.6'	
16	0+98	4" 3034 PVC	42.8'	177.00		179.65		0.0618		4.6'	
17	1+65	4" 3034 PVC	43.9'	177.28		179.99		0.0618		4.6'	
18	2+36	4" 3034 PVC	45.1'	177.56		180.35		0.0618		4.6'	
19	2+69	4" 3034 PVC	58.4'	177.73		180.68		0.0506		4.6'	

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

SANITARY SS-A STA 9+50
TO 14+00 & WATER LINE
PLAN & PROFILE

REVISIONS

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

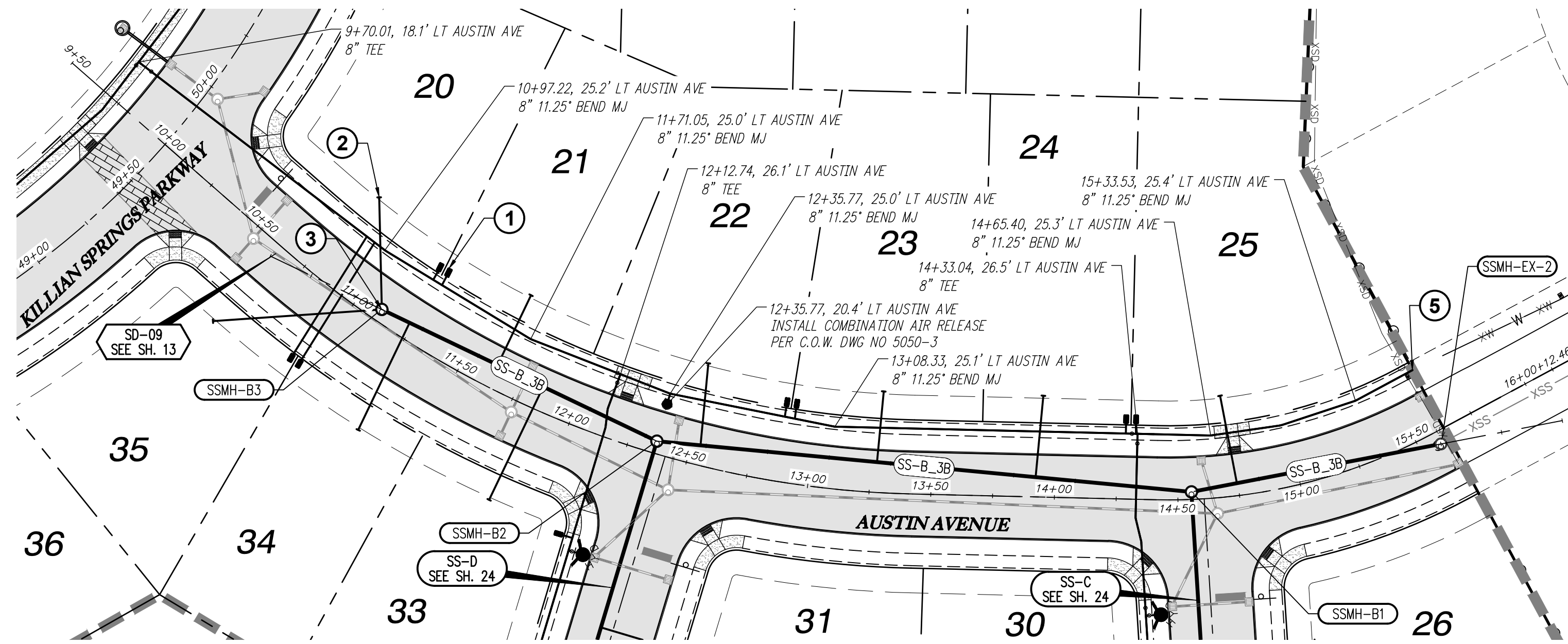
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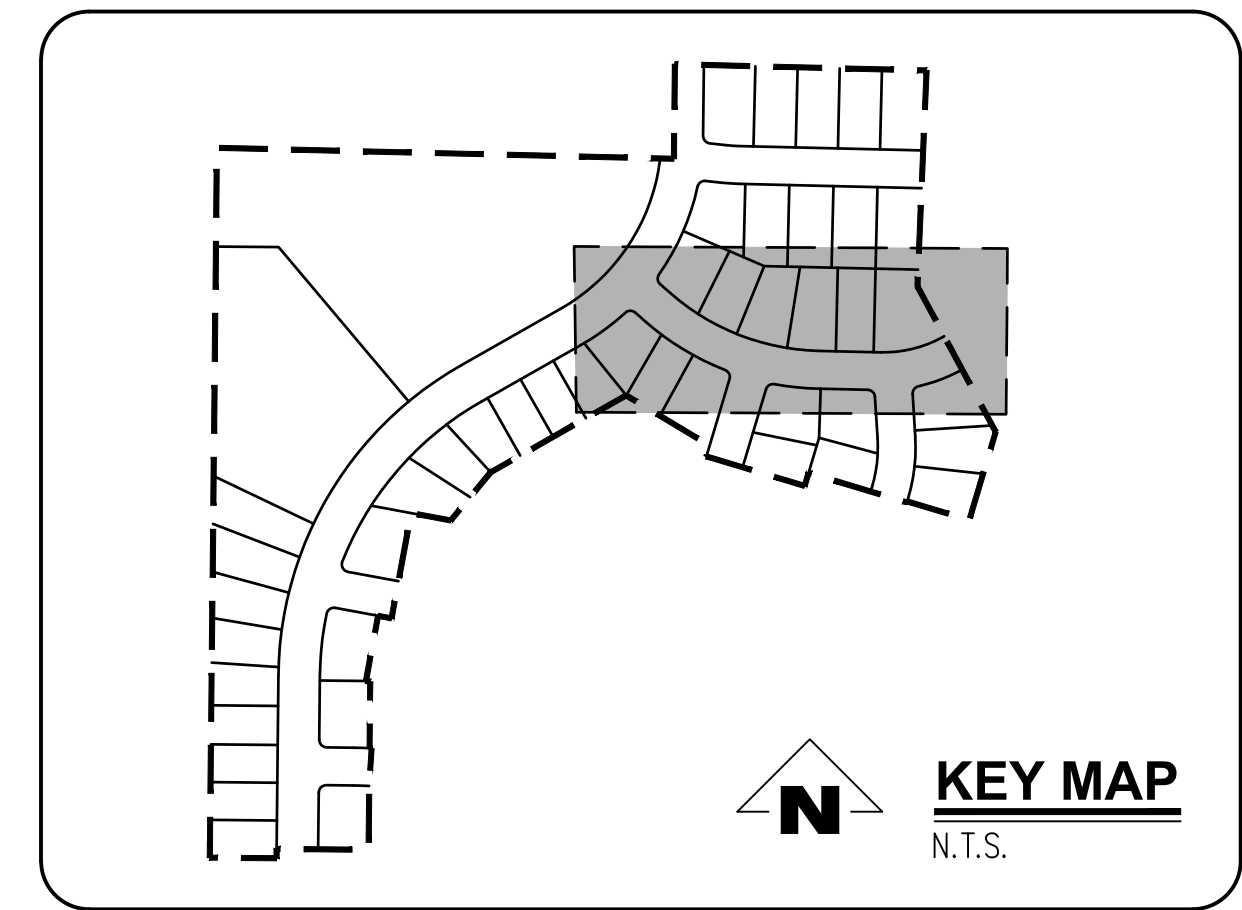
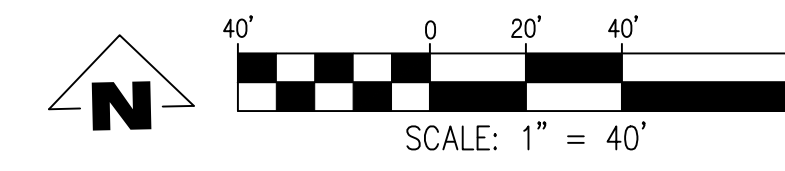
SHEET
22
OF
31

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SANITARY SS-B STA 9+50 TO 16+00 & WATER LINE PLAN

SCALE: 1"=40'

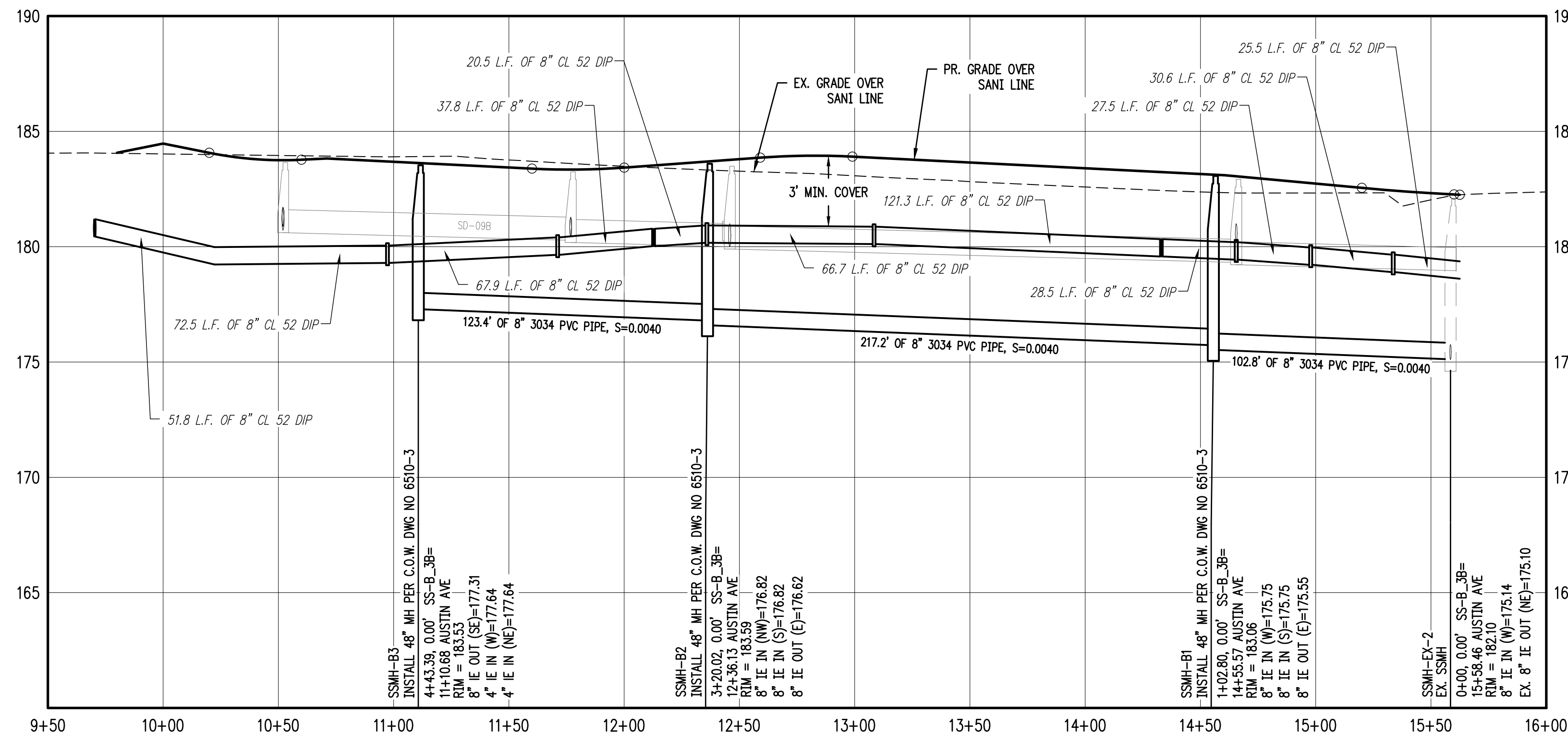


GENERAL NOTES:

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- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
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- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- ① INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- ② INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
- ③ INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
- ④ REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
- ⑤ REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
- ⑥ ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)



SANITARY SS-B STA 9+50 TO 16+00 & WATER LINE PROFILE

SCALE: 1"=40'

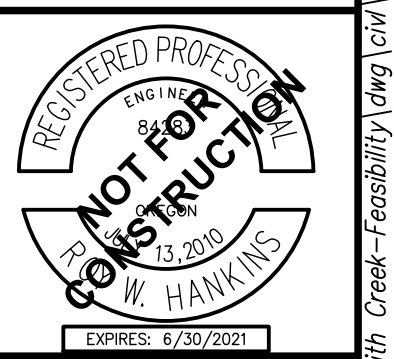
SANITARY SEWER LATERAL TABLE											
LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
20	4+43	4" 3034 PVC	45.4'	177.64	178.94	0.0286	5.3'				
21	3+91	4" 3034 PVC	31.3'	177.27	179.60	0.0742	4.2'				
22	3+02	4" 3034 PVC	33.3'	176.71	180.03	0.0995	4.2'				
23	2+31	4" 3034 PVC	28.7'	176.43	180.42	0.1388	3.8'				
24	1+66	4" 3034 PVC	33.1'	176.17	180.50	0.1309	3.3'				
25	0+84	4" 3034 PVC	36.0'	175.64	179.12	0.0964	4.2'				
33	3+71	4" 3034 PVC	50.7'	177.19	179.68	0.0490	4.1'				
34	4+31	4" 3034 PVC	48.1'	177.43	179.64	0.0461	4.3'				
35	4+43	4" 3034 PVC	68.5'	177.64	179.97	0.0340	4.3'				

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

SANITARY SS-B STA 9+50
TO 16+00 & WATER LINE
PLAN & PROFILE

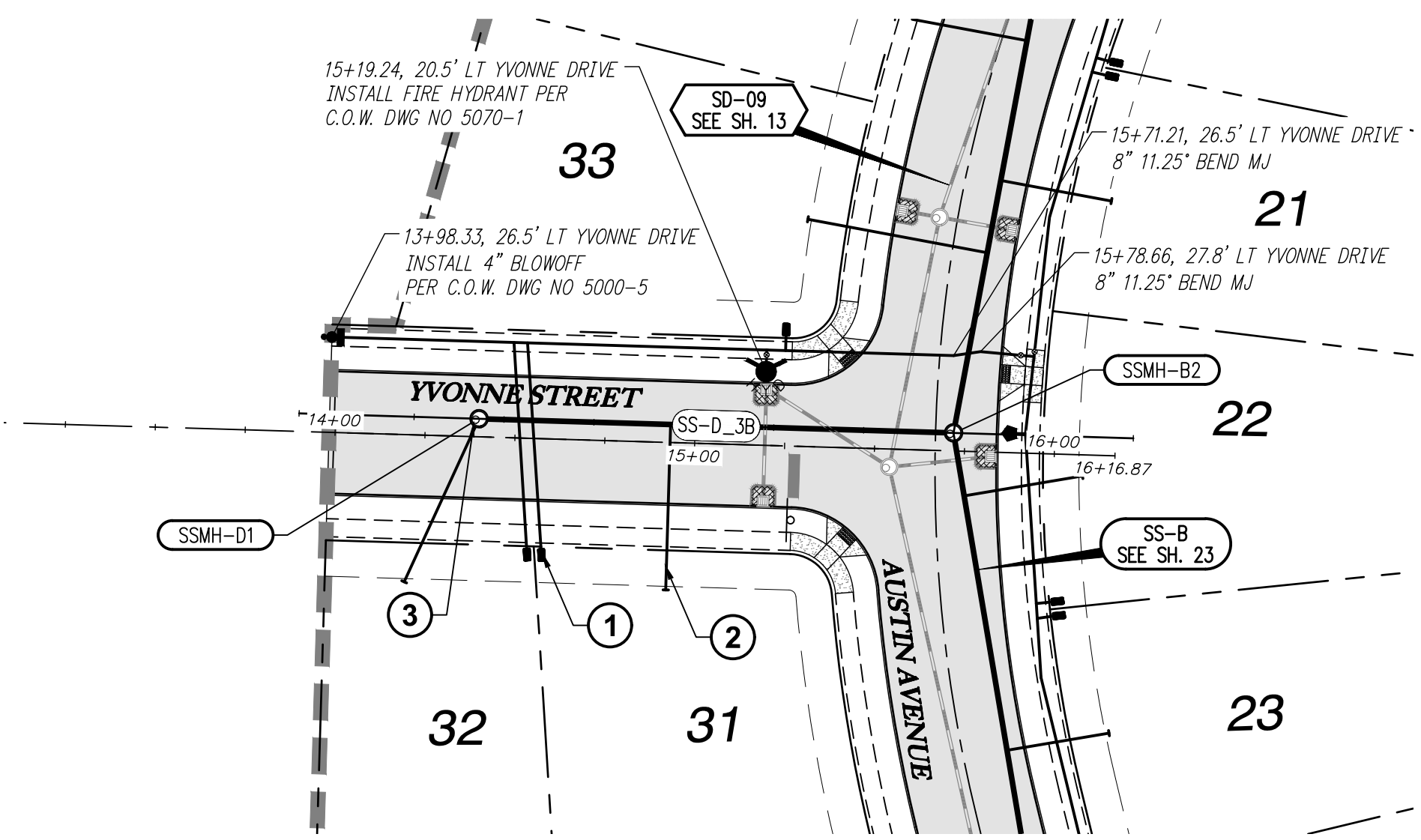
REVISIONS		
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

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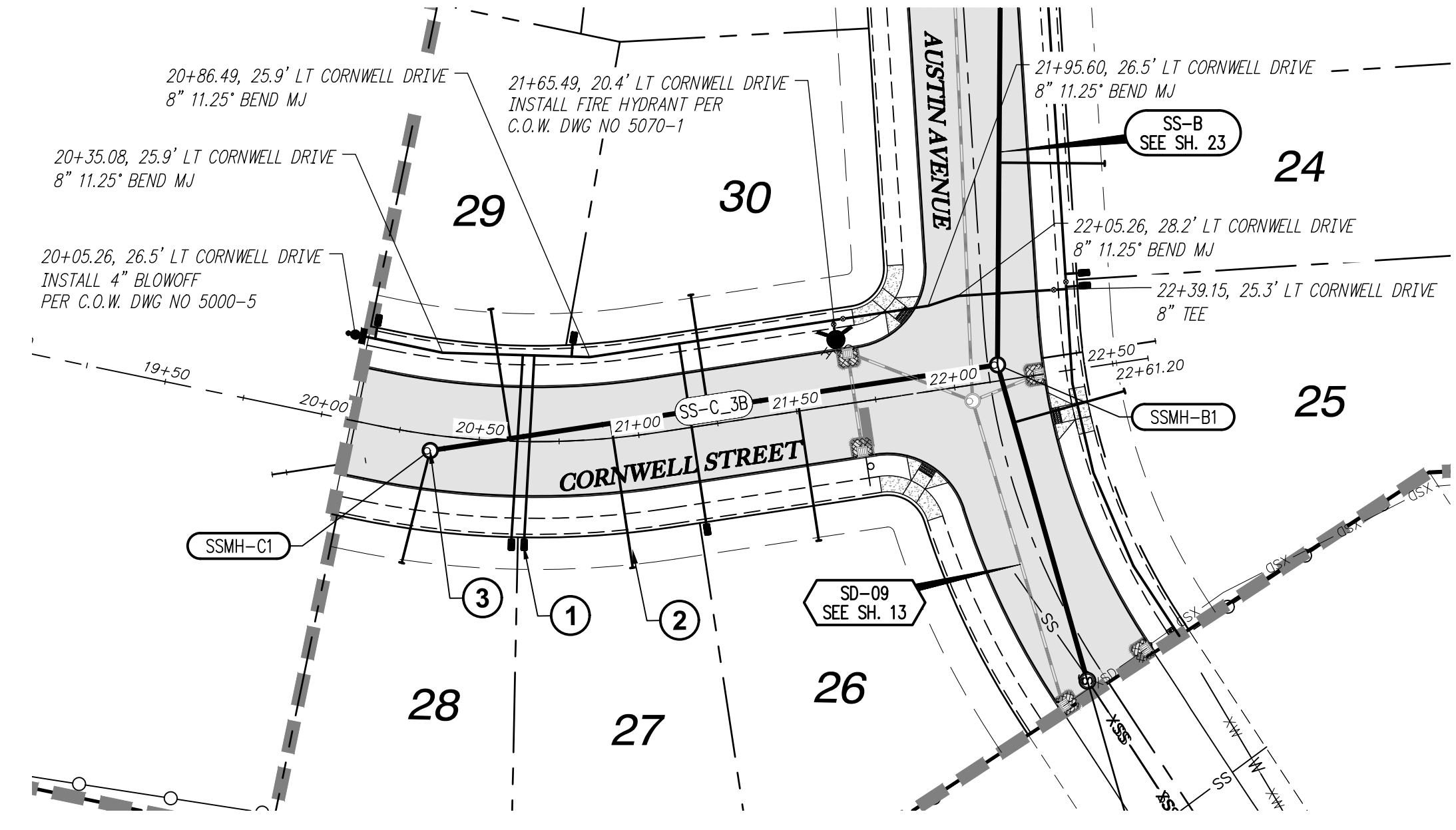
SHEET
23
OF
31

FILE: P:\471-001-Smith-Creek-Feasibility.dwg (Civil) Phase 3B (471-001_23ss06_Layout: 23 SANITARY SS-B STA 9+50 TO 16+00 & WATER LINE PLAN & PROFILE, Plot Date: 4/13/2020 2:27 PM, by: Ian Felts 471-001



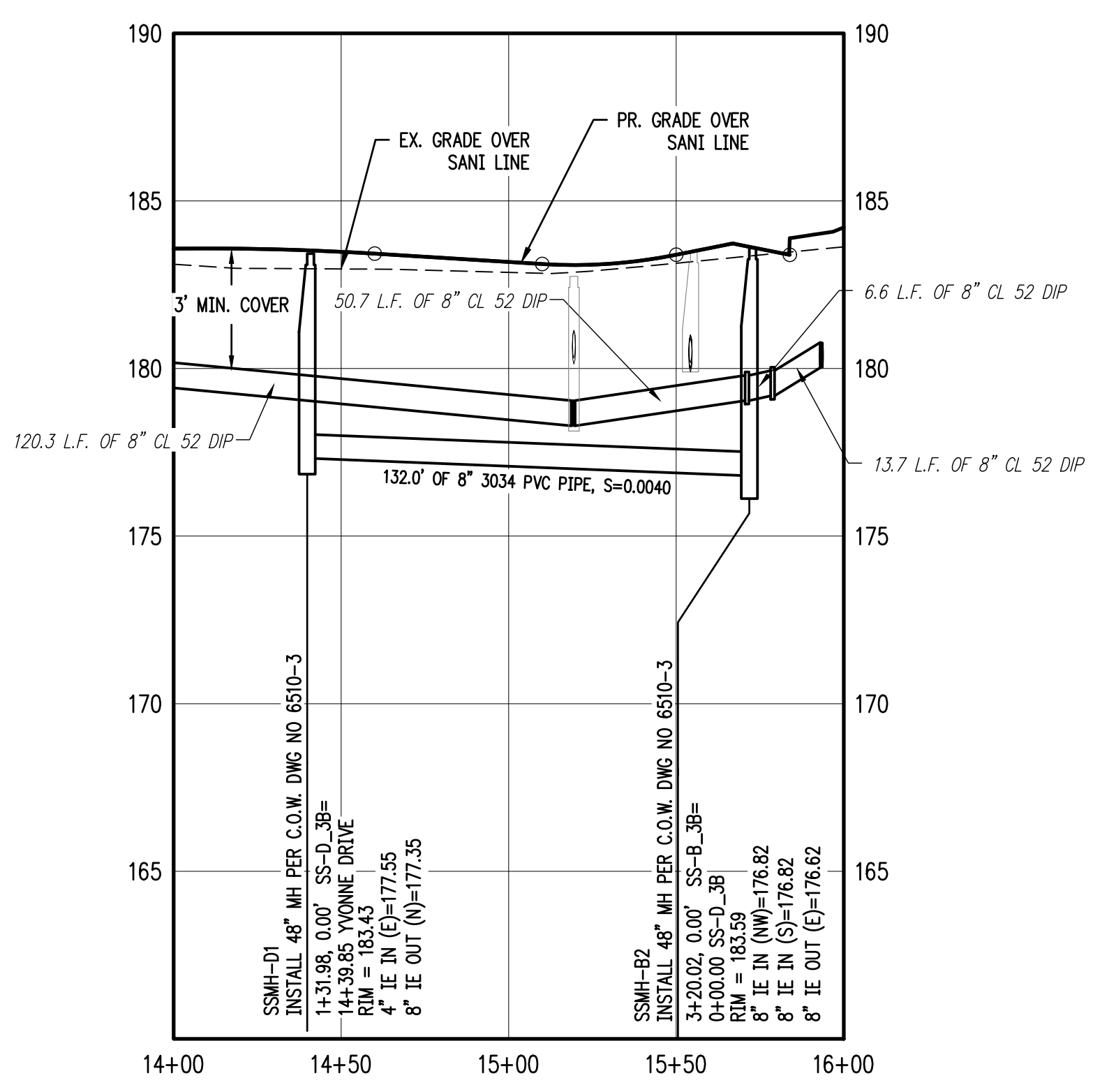
SANITARY SS-D STA 14+00 TO 16+00 & WATER LINE PLAN

SCALE: 1"=40'



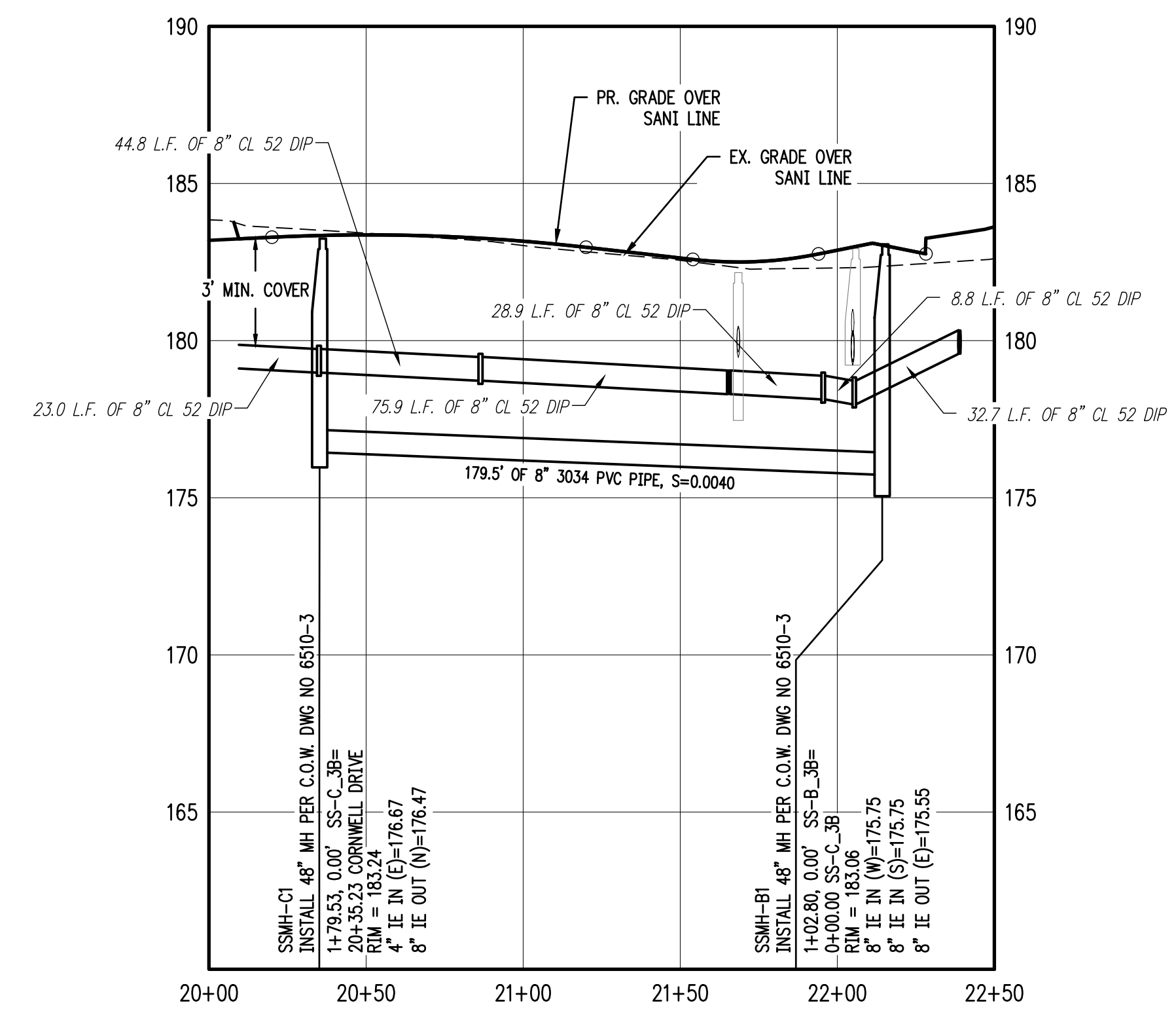
SANITARY SS-C STA 20+00 TO 22+50 & WATER LINE PLAN

SCALE: 1"=40'



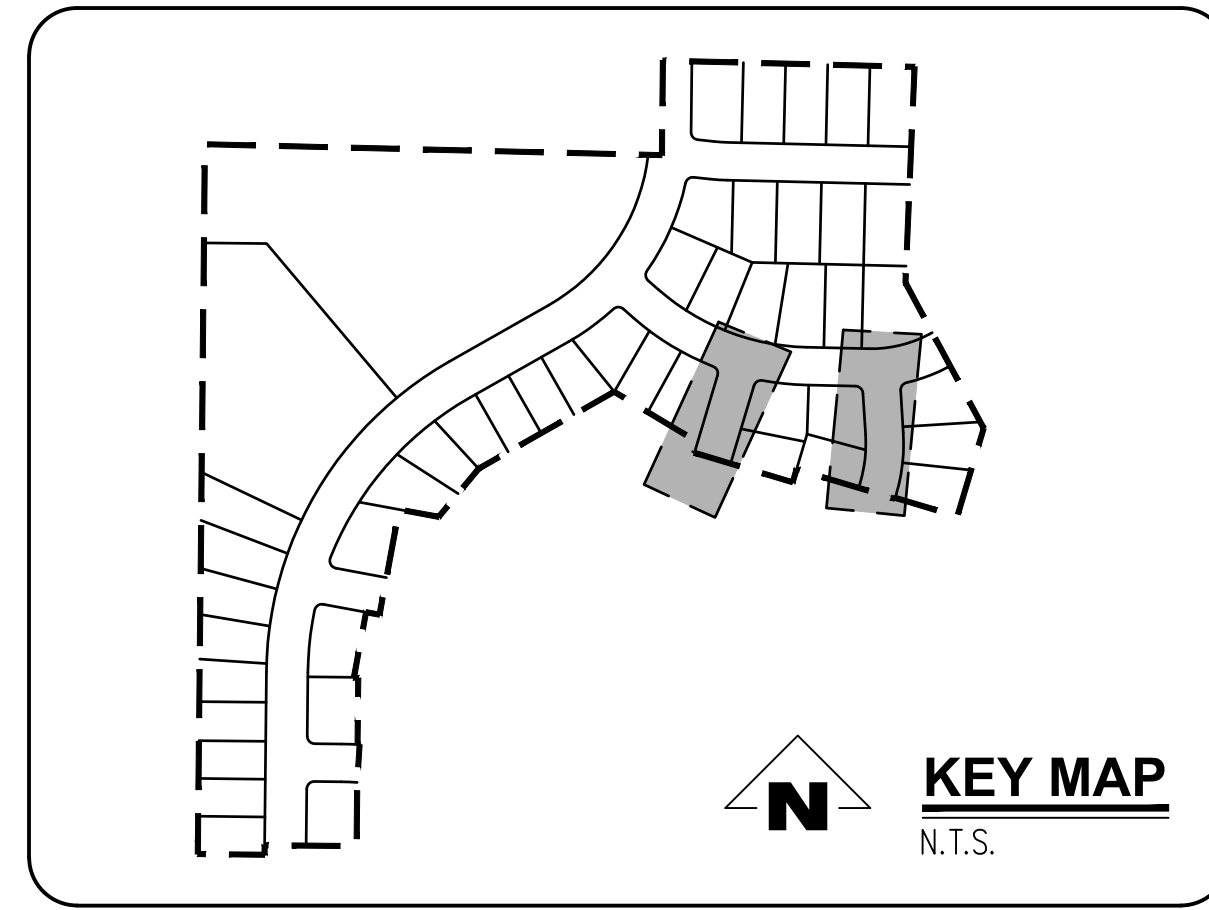
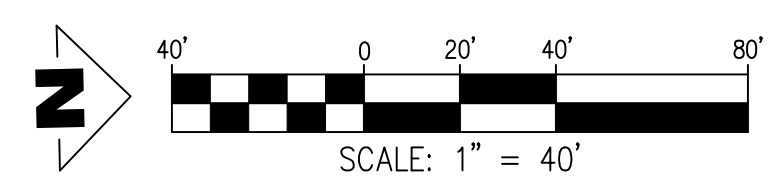
SANITARY SS-D STA 14+00 TO 16+00 & WATER LINE PLAN

SCALE: 1"=40'



SANITARY SS-C STA 20+00 TO 22+50 & WATER LINE PLAN

SCALE: 1"=40'



GENERAL NOTES:

- A. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, LOCATION & DEPTH OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- B. BACKFILL NOTE: UNLESS NOTED OTHERWISE, PIPES UNDER PAVED SURFACE REQUIRE GRANULAR BACKFILL. FOR PIPES OUTSIDE PAVEMENT, NATIVE BACKFILL IS PERMITTED.
- C. LATERAL NOTES: UNLESS NOTED OTHERWISE, ALL LATERALS ARE TO BE 4" PVC WITH A MINIMUM SLOPE OF 2.75%. LATERAL CONNECTIONS TO MAIN SEWER LINE TO BE MADE WITH MANUFACTURED TEES.
- D. ALL 2" x 4" SANITARY SERVICE CONNECTION MARKERS TO BE COLOR CODED GREEN.
- E. INSTALL TEMPORARY SAMPLING TAP ASSEMBLIES PER C.O.W. DWG NO 5100-1. COORDINATE SAMPLING TAP LOCATIONS WITH CITY OF WOODBURN ENGINEER.
- F. SANITARY SEWER CLEAN OUT TO BE INSTALLED IN R.O.W. BEHIND SIDEWALK PER CITY OF WOODBURN C.O.W. DWG NO 6200-3.

CONSTRUCTION NOTES:

- ① INSTALL WATER METER BOX AND WATER SERVICE CONNECTION PER C.O.W. DWG NO 5000-4 & 5050-1.
- ② INSTALL SANITARY SEWER SERVICE CONNECTION PER C.O.W. DWG NO 6200-3.
- ③ INSTALL SANITARY SEWER MANHOLE PER C.O.W. DWG NO 6510-3.
- ④ REMOVE PLUG AND TEMPORARY MANHOLE AT END OF EXISTING SANITARY LINE.
- ⑤ REMOVE EXISTING BLOWOFF WITH GATE VALVE REMAINING IN PLACE. CONTRACTOR SHALL VERIFY EXISTING VALVE IS NOT LEAKING PRIOR TO CONNECTING NEW LINE.
- ⑥ ALL WATER MAIN JOINTS TO BE RESTRAINED WITH MEGALUGS (TYP.)

SANITARY SEWER LATERAL TABLE											
LOT NUM.	STA @ M.L.	SIZE & MATERIAL	LEN	I.E. @ M.L.	ASB	I.E. @ PLUG	ASB	SL	ASB	COVER @ PLUG	ASB
26	0+63	4" 3034 PVC	46.0'	176.17		178.73		0.0555		4.4'	
27	14+22	4" 3034 PVC	45.7'	176.41		179.11		0.0591		4.6'	
28	14+80	4" 3034 PVC	36.2'	176.67		179.35		0.0739		4.4'	
29	1+54	4" 3034 PVC	40.9'	176.53		178.07		0.0375		5.7'	
30	0+92	4" 3034 PVC	36.0'	176.28		177.72		0.0400		5.6'	
31	0+79	4" 3034 PVC	46.0'	177.30		179.13		0.0397		4.6'	
32	1+32	4" 3034 PVC	49.9'	177.55		179.71		0.0432		4.3'	

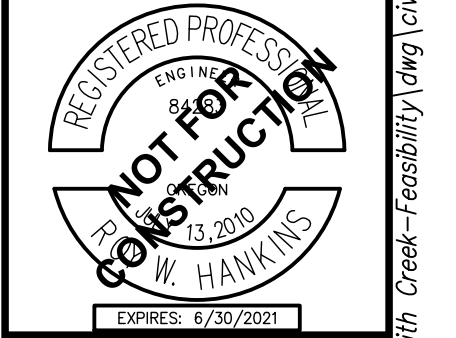
SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

SANITARY SS-C AND SS-D
& WATER LINE PLAN &
PROFILE

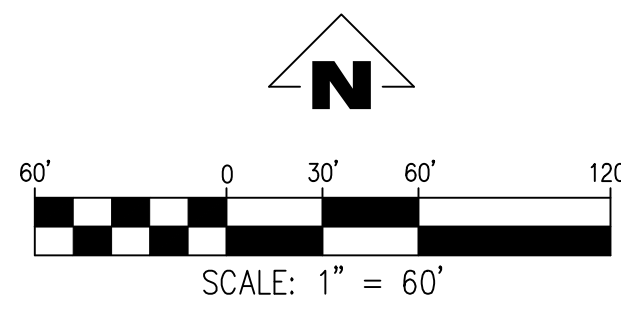
REVISIONS		
NO.	DATE	DESCRIPTION
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FILE: P:\471-001-Smith Creek-Feasibility (dwg) (Phase 3B) (471-001_24SSD7_Layout: 24 SANITARY SS-C AND SS-D & WATER LINE PLAN & PROFILE). Plot Date: 4/13/2020 2:28 PM. Dwg: Ian Fellis 471-001



SIGNAGE LEGEND

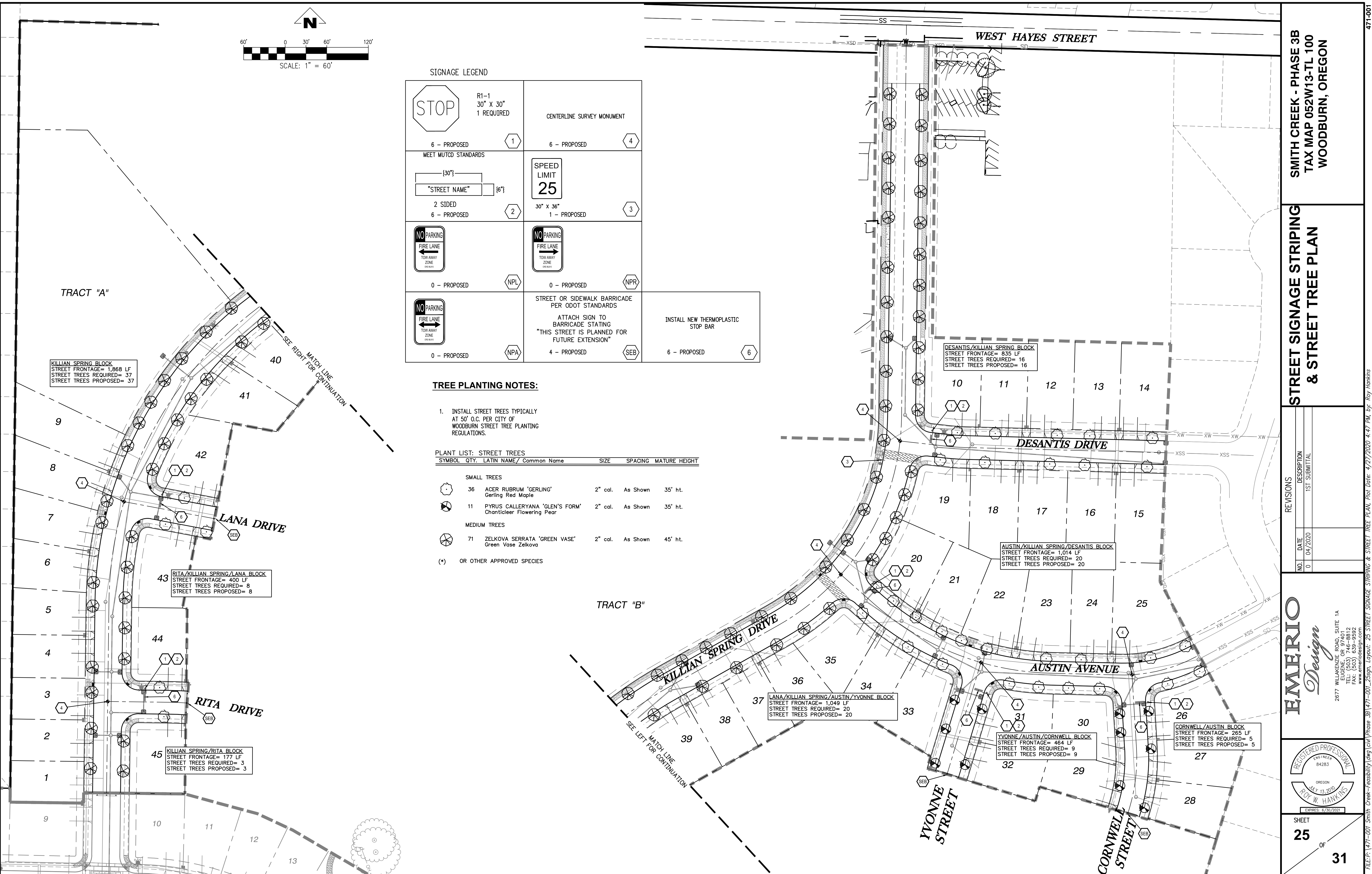
 R1-1 30" X 30" 1 REQUIRED 6 - PROPOSED (1)	CENTERLINE SURVEY MONUMENT 6 - PROPOSED (4)	
MEET MUTCD STANDARDS "STREET NAME" 2 SIDED 6 - PROPOSED (2)	 SPEED LIMIT 25 30" X 36" 1 - PROPOSED (3)	
 NO PARKING FIRE LANE TOW AWAY ZONE 0 - PROPOSED (NPL)	 NO PARKING FIRE LANE TOW AWAY ZONE 0 - PROPOSED (NPR)	
 NO PARKING FIRE LANE TOW AWAY ZONE 0 - PROPOSED (NPA)	STREET OR SIDEWALK BARRICADE PER ODOT STANDARDS ATTACH SIGN TO BARRICADE STATING "THIS STREET IS PLANNED FOR FUTURE EXTENSION" 4 - PROPOSED (SEB)	INSTALL NEW THERMOPLASTIC STOP BAR 6 - PROPOSED (6)

TREE PLANTING NOTES:

1. INSTALL STREET TREES TYPICALLY AT 50' O.C. PER CITY OF WOODBURN STREET TREE PLANTING REGULATIONS.

PLANT LIST: STREET TREES

SYMBOL	QTY.	LATIN NAME/ Common Name	SIZE	SPACING	MATURE HEIGHT
SMALL TREES					
	36	ACER RUBRUM 'GERLING' Gerling Red Maple	2" cal.	As Shown	35' ht.
	11	PYRUS CALLERYANA 'GLEN'S FORM' Chanticleer Flowering Pear	2" cal.	As Shown	35' ht.
MEDIUM TREES					
	71	ZELKOVA SERRATA 'GREEN VASE' Green Vase Zelkova	2" cal.	As Shown	45' ht.
(*) OR OTHER APPROVED SPECIES					



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

STREET SIGNAGE STRIPING & STREET TREE PLAN

REVISIONS	
NO.	DESCRIPTION
0	04/2020 1ST SUBMITTAL

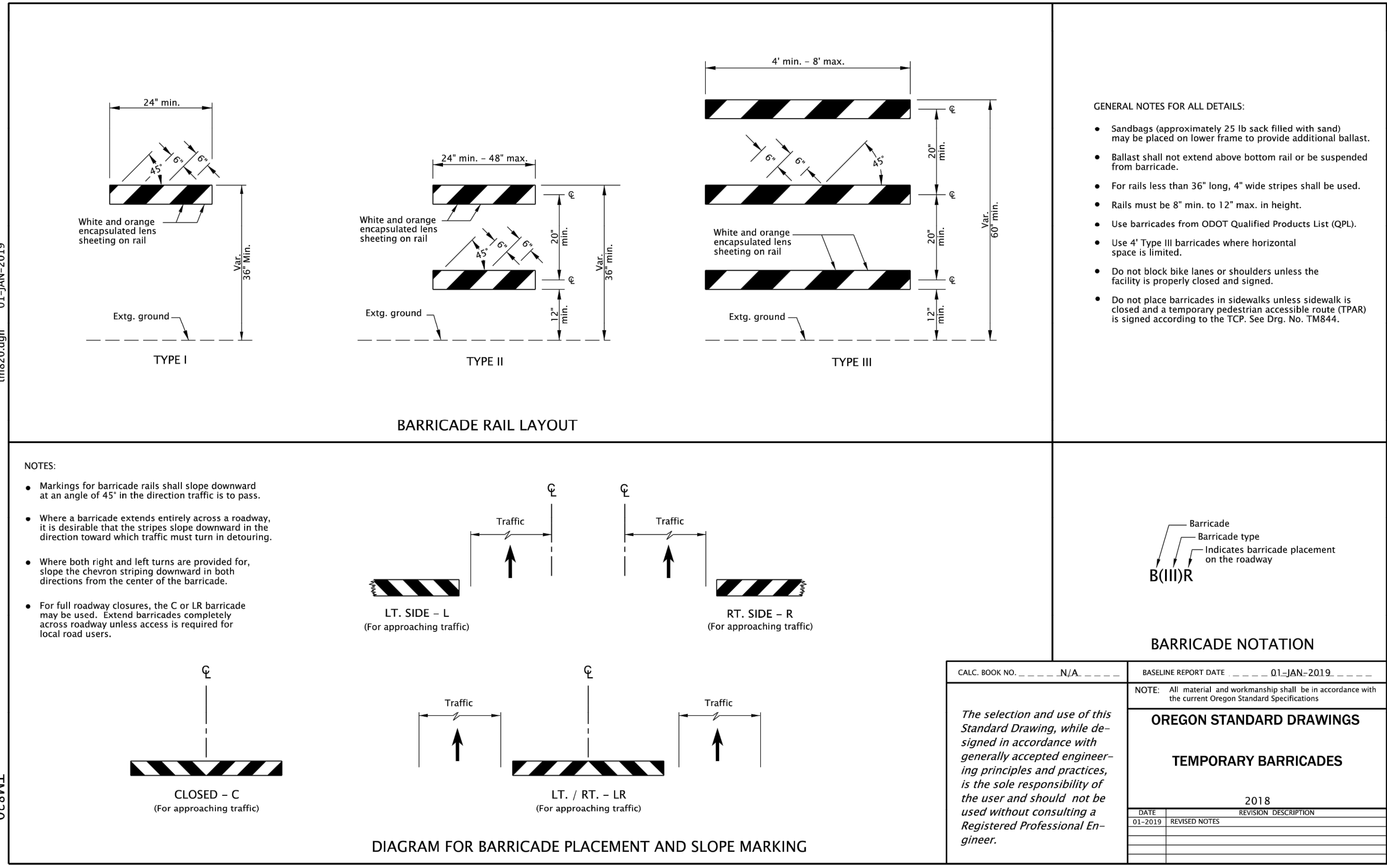
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FILE: P:\471-001-Smith-Creek-Feasibility\dwg\Phase 3B\471-001_25sgn_Layout_25 STREET SIGNAGE STRIPING & STREET TREE PLAN. Plot Date: 4/27/2020 4:47 PM. Dwg: Roy Hawkins 471-001

tm820.dgn 01-JAN-2019

TM820



SIGNING MATERIALS

STOP & YIELD SIGNS	ENCAPSULATED LENS REFLECTIVE SHEETING.
SCHOOL ADVANCE AND CROSSING SIGNS	PRISMATIC LENS YELLOW/GREEN REFLECTIVE SHEETING
STREET NAME SIGNS	LETTERS-ENCAPSULATED LENS SHEETING.
(POST & OVERHEAD MOUNTED)	BACKGROUND-ENGINEERING GRADE REFLECTIVE SHEETING.
ALL OTHER SIGNS (POST MOUNTED)	ENGINEERING GRADE REFLECTIVE SHEETING.
OVERHEAD SIGNING	PRISMATIC LENS REFLECTIVE SHEETING.
(EXCEPT STREET NAME SIGNS)	

TYPICAL SIGN SIZES

STOP SIGNS - 30"x30"	
SPEED SIGNS - 24"x30" ON LOCAL STREETS (THE WORD LIMIT SHALL NOT BE USED ON SPEED SIGNS)	30"x36" ON COLLECTOR AND ARTERIAL ROADS.
NO PARKING SIGNS - R7-2A IS STANDARD, WITH A R7-201 12"x6" "TOW AWAY ZONE"	
	12"x18" ON LOCAL ROADS, 18"x24" ON COLLECTORS AND ABOVE. WHEN ARROWS ARE USED, SIGNS AT BOTH ENDS OF THE ZONE SHALL HAVE SINGLE ARROWS POINTING IN THE APPROPRIATE DIRECTION WITH DOUBLE ARROWS IN BETWEEN.

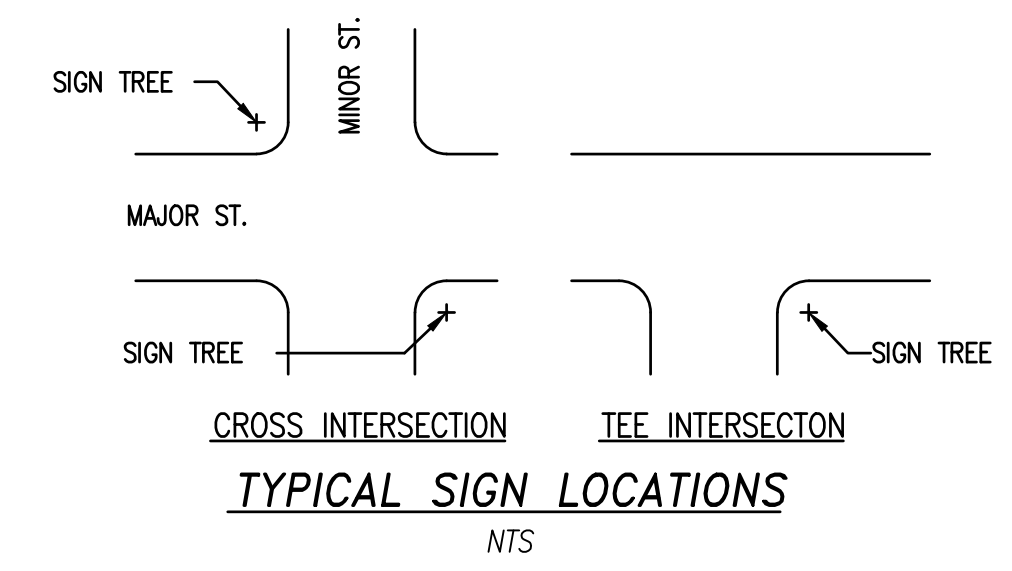
GENERAL SIGNING NOTES:

- CONTRACTOR SHALL SUPPLY AND INSTALL ALL SIGNS, AND IS RESPONSIBLE FOR STAKING SIGN LOCATIONS AND OBTAINING UTILITY LOCATES FOR STAKED SIGN LOCATIONS. SIGNS SHALL BE LOCATED PER TYPICAL SIGN LOCATION OR AS SHOWN ON PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE FINAL STREET NAMES WITH THE CITY OF WOODBURN BEFORE ORDERING AND INSTALLING STREET NAME SIGNS.
- ALL SIGNING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE COUNTY'S PERMANENT SIGNING LEGEND.
- STREET NAME SIGNS SHALL BE: (VERIFY FINAL STREET NAMES BEFORE ORDERING AND INSTALLING)
 - FOR LOCAL AND COLLECTOR STREET INTERSECTIONS: SIX (6) INCH 0.080 INCH FLAT BLADE ALUMINUM BLANKS, MOUNTED ON TOP OF POST WITH SPECIAL BRACKETS.

LETTERING: FOUR (4) INCH UPPER CASE SERIES C PRE-FIXES AND SUFFIXES; THREE (3) INCH UPPER CASE SERIES C SUPERSCRIPT FOR NUMERICAL STREET NAMES; TWO (2) INCH UPPER CASE SERIES C LAYOUT PER "TYPICAL STREET NAME SIGN LAYOUT" TWO (2) SIDED
 - FOR ARTERIAL STREET INTERSECTIONS: NINE (9) INCH 0.080 INCH FLAT BLADE ALUMINUM BLANKS, MOUNTED DIRECTLY TO POST WITH RIVETS.

LETTERING: SIX (6) INCH UPPER CASE SERIES C PRE-FIXES AND SUFFIXES; FOUR (4) INCH UPPER CASE SERIES C SUPERSCRIPT FOR NUMERICAL STREET NAMES; THREE (3) INCH UPPER CASE SERIES C LAYOUT PER "TYPICAL STREET NAME SIGN LAYOUT" ONE (1) SIDED, TWO (2) SIGNS PER STREET NAME.
 - TWELVE (12) INCH 0.125 MM FLAT BLADE FOR SIGNALIZED INTERSECTIONS: C) ALUMINUM BLANKS, MOUNTED TO MAST ARM OR STRAIN POLE FOR SPAN WIRE SIGNAL SYSTEMS.

LETTERING: EIGHT (8) INCH UPPER CASE SERIES C PRE-FIXES AND SUFFIXES; FIVE (5) INCH UPPER CASE SERIES C SUPERSCRIPT FOR NUMERICAL STREET NAMES; FOUR (4) INCH UPPER CASE SERIES C LAYOUT PER "TYPICAL STREET NAME SIGN LAYOUT" ONE (1) SIDED WITH BORDER



MATERIAL FOR ALL STREET NAME SIGNS PER "SIGNING MATERIALS"

WIDTH OF SIGN PER BELOW TABLES FOR SIX (6) AND NINE (9) INCH BLANKS.

SUFFIXES ABBREVIATIONS PER: "COMMON ABBREVIATIONS"

6 INCH BLANKS (TWO SIDED)		9 INCH BLANKS (ONE SIDED)	
# OF CHARACTERS (NOT INCL. PREFIXES AND SUFFIXES)	BLANK WIDTH	# OF CHARACTERS (NOT INCL. PREFIXES AND SUFFIXES)	BLANK WIDTH
UP TO 6	24 INCH	UP TO 6	38 INCH
7 TO 9	30 INCH	7 TO 9	48 INCH
10 TO 11	36 INCH	10 TO 11	55 INCH
12 TO 13	42 INCH	12 TO 13	61 INCH
OVER 13	48 INCH	14 TO 15	68 INCH

FOR MAST ARM STREET NAME SIGN LETTER SPACING USE ODOT'S STANDARDS

COMMON ABBREVIATIONS

AVE = AVENUE	LN = LANE	RD = ROAD
BLVD = BOULEVARD	LP = LOOP	ST = STREET
CIR = CIRCLE	PKWY = PARKWAY	TER = TERRACE
CT = COURT	PL = PLACE	WAY = WAY
DR = DRIVE		

4) POSTS

A MINIMUM OF 2 X 2 INCH X 10 FOOT GALVANIZED "UNISTRUT TELESPEAR" OR 12 GAUGE PERFORATED POSTS OR APPROVED EQUIVALENT SHALL BE USED.

A 2 X 2 INCH X 12 FOOT (MIN.) 12 GAUGE GALVANIZED "UNISTRUT TELESPEAR" OR 12 GAUGE PERFORATED POSTS OR APPROVED EQUIVALENT SHALL BE USED WHEN A COMBINATION OF SIGNS IS MORE THAN 36 INCHES IN HEIGHT.

SIGN POSTS AND ANCHORS SHALL BE INSTALLED PER "TYPICAL SIGN INSTALLATION"

NO OTHER TYPE OF POST SHALL BE USED UNLESS PRIOR APPROVAL OF THE COUNTY TRAFFIC ENGINEER IS OBTAINED.

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

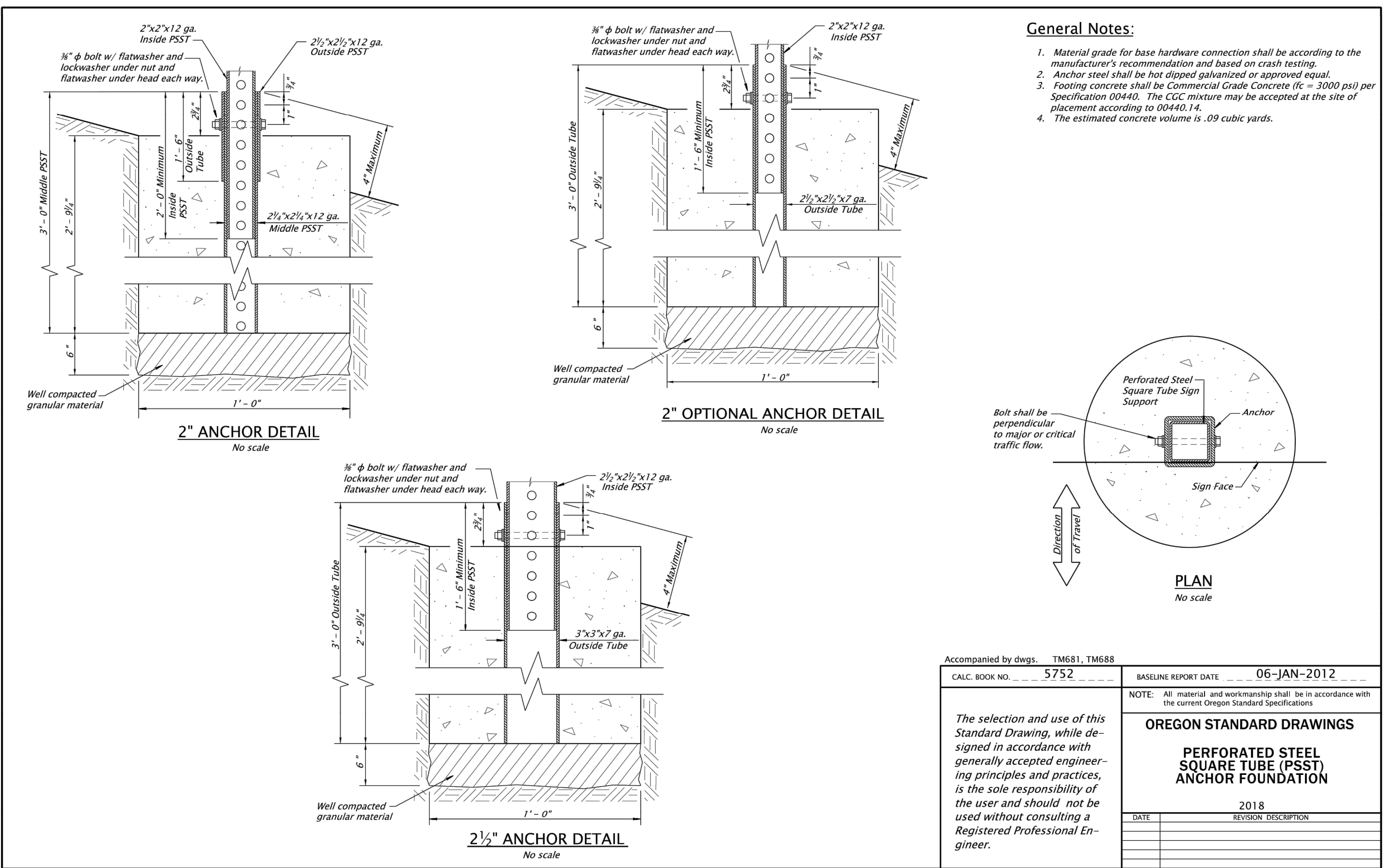
STREET SIGNAGE DETAILS

REVISIONS

NO.	DATE	DESCRIPTION
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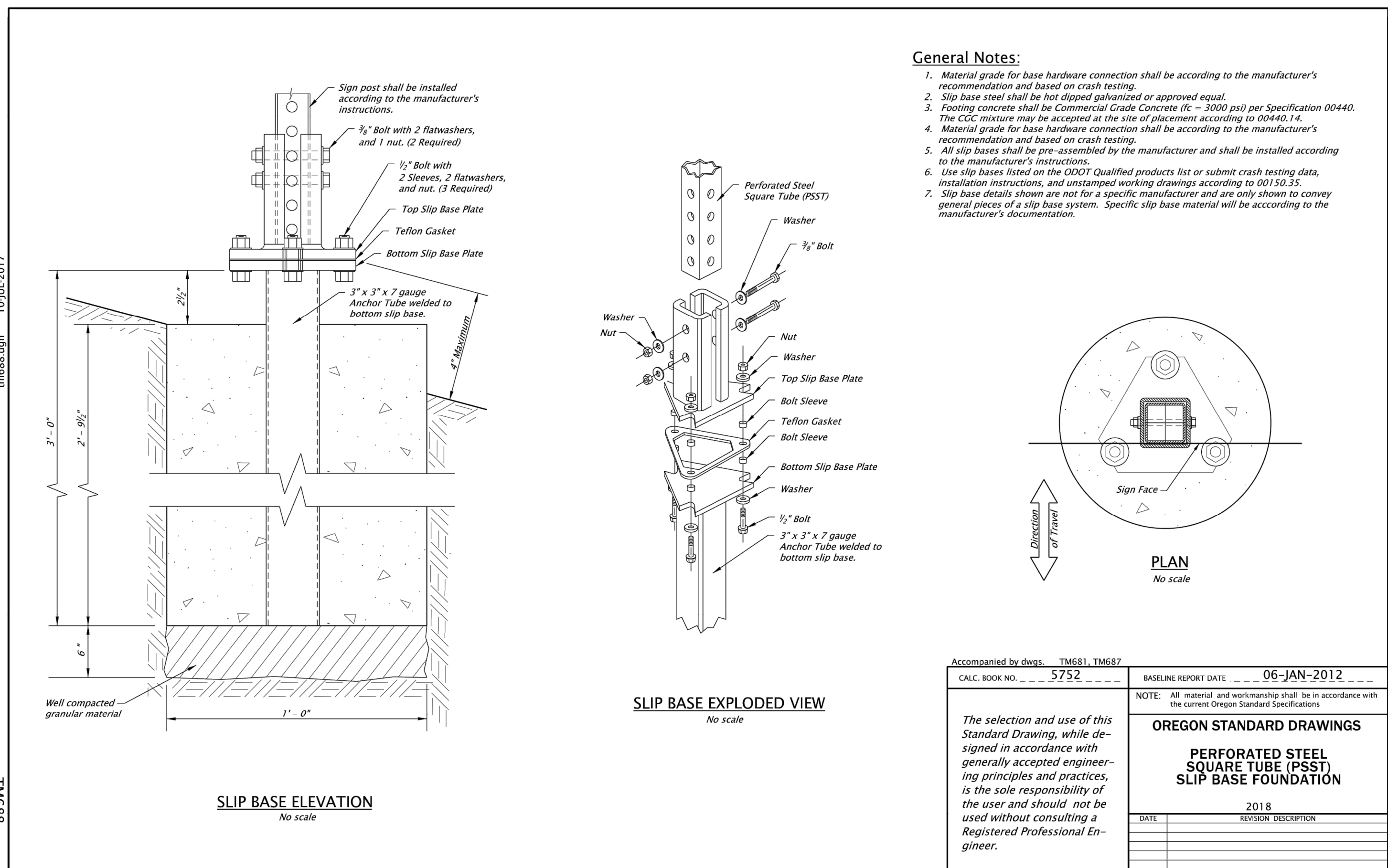
tm687.dgn 10-JUL-2017

TM687



tm688.dgn 10-JUL-2017

TM688



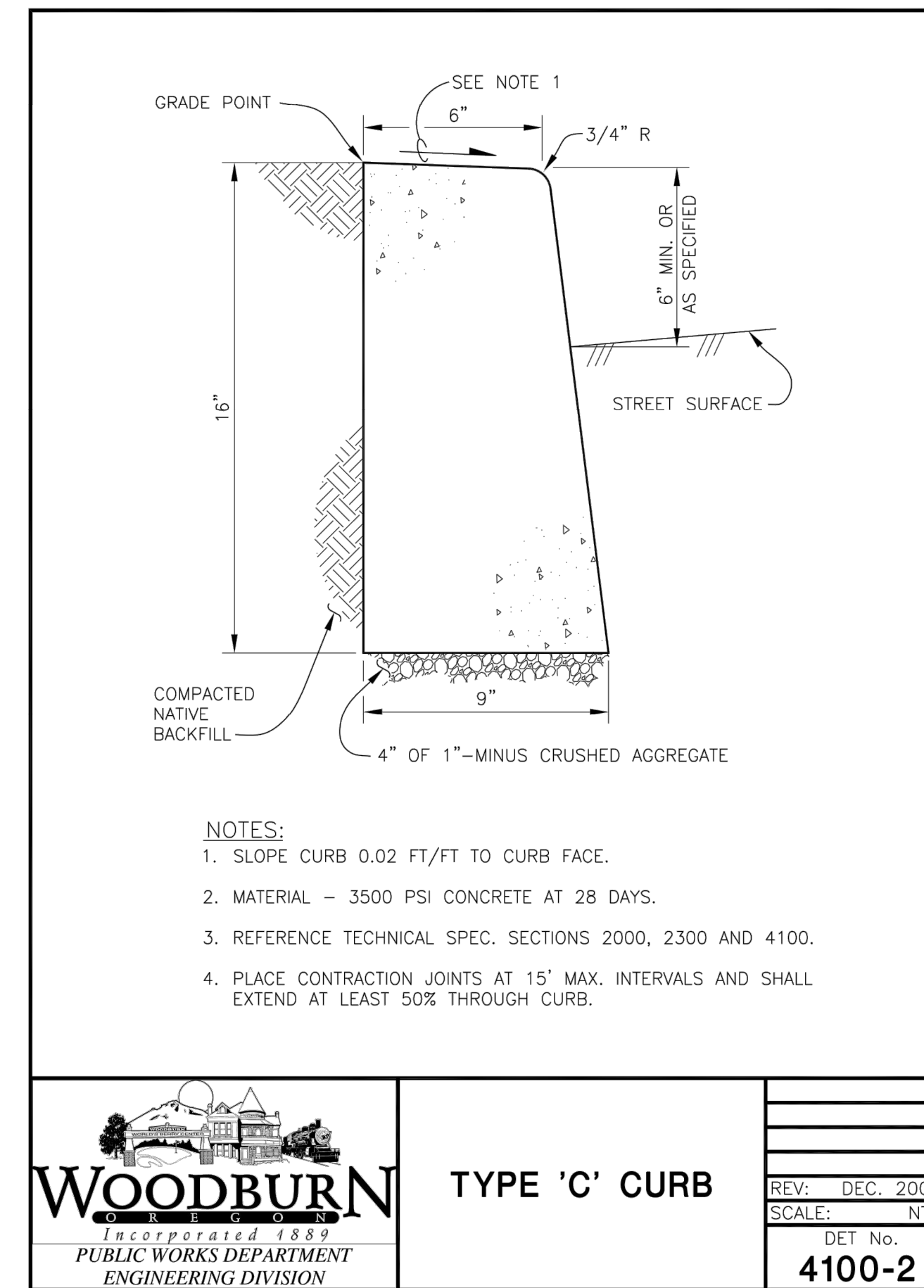
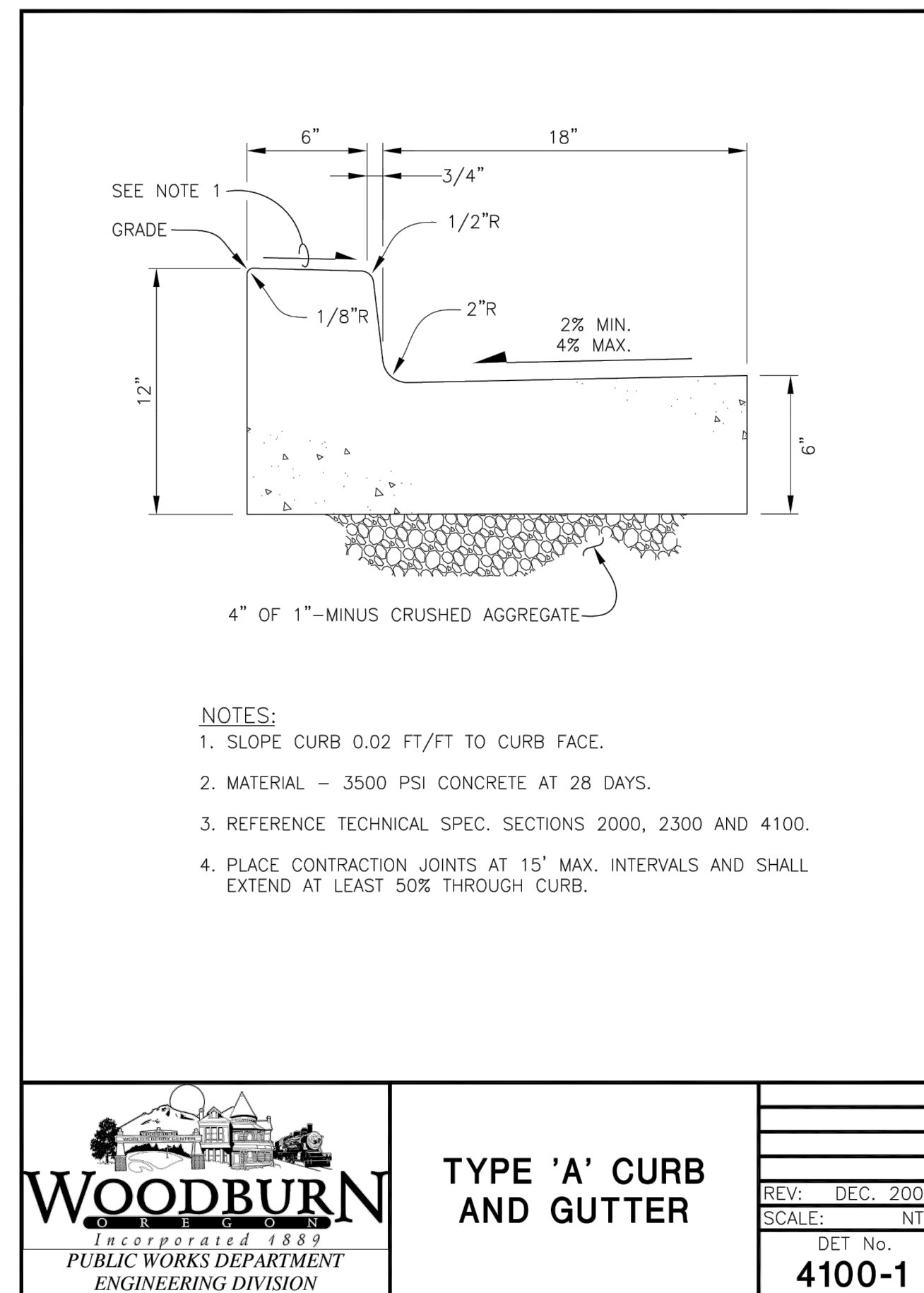
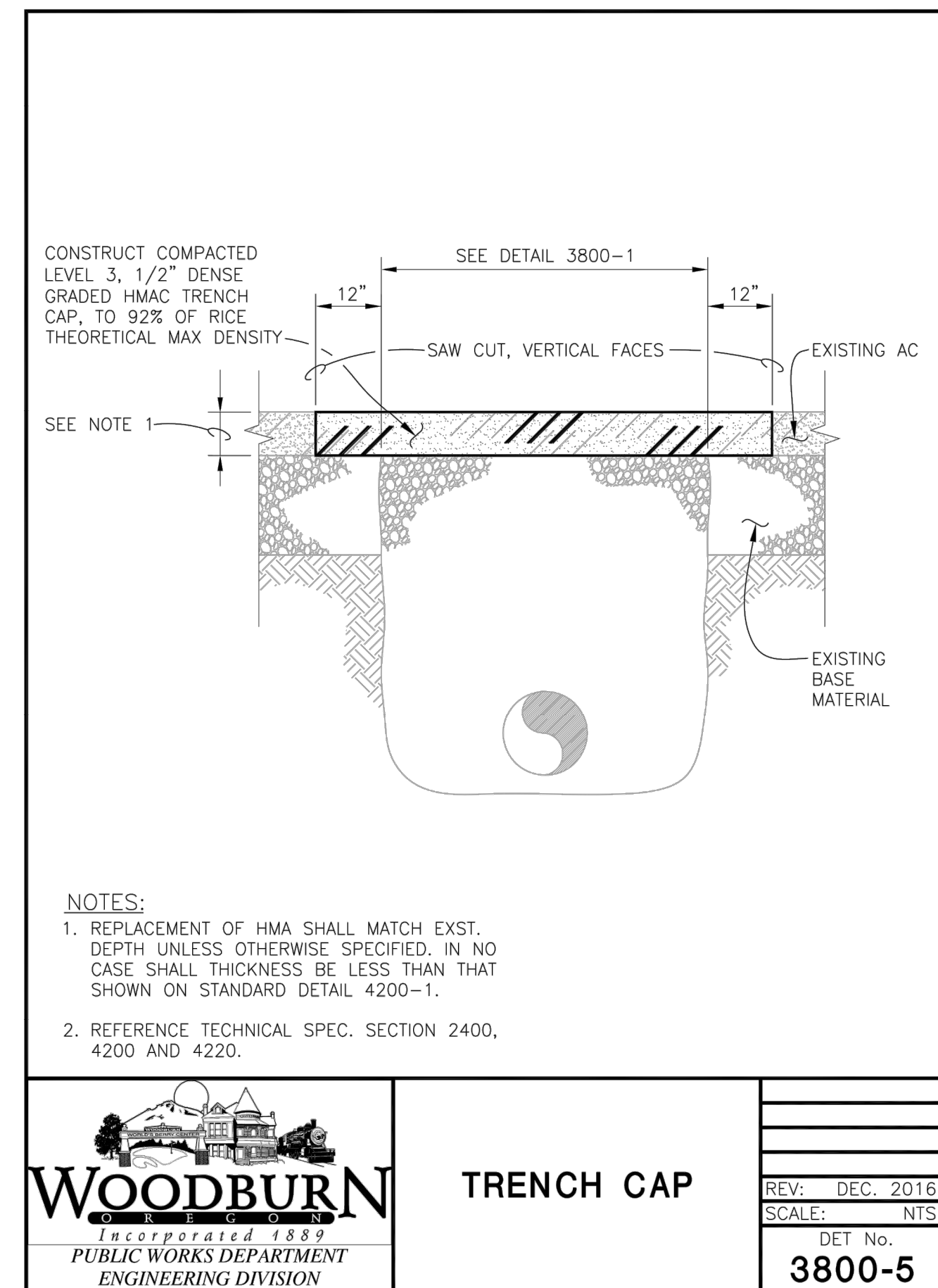
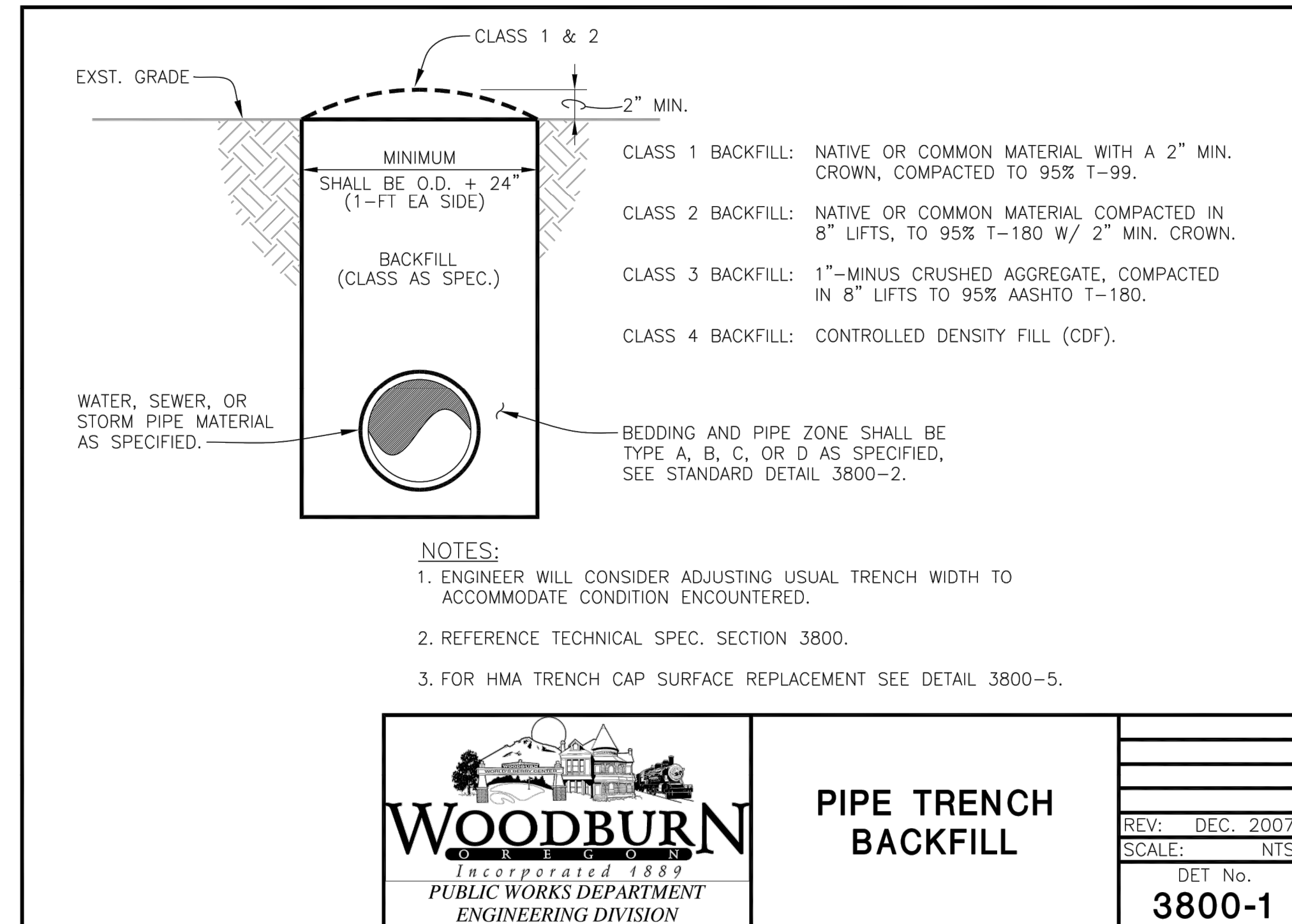
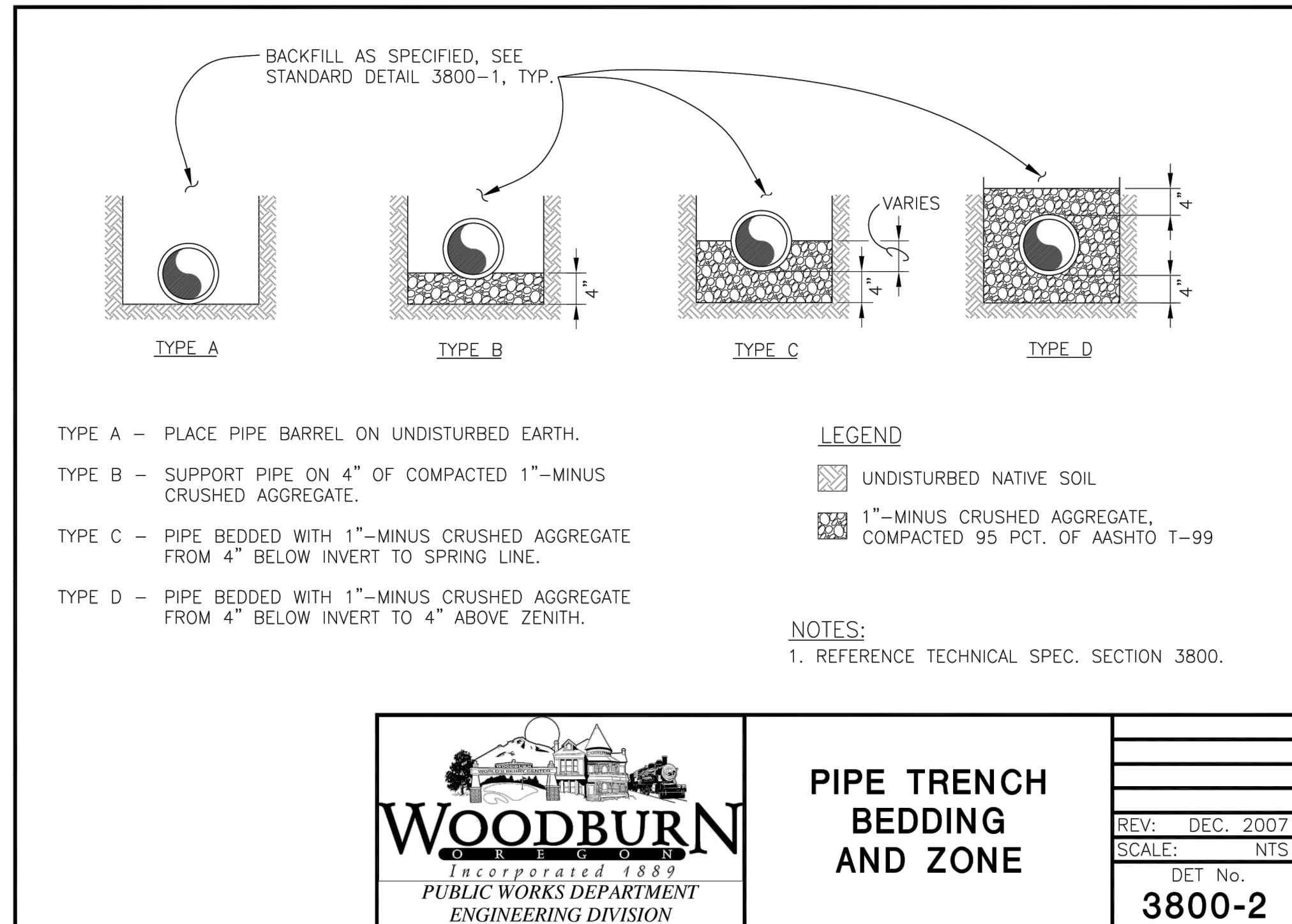
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REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
13, 2010
W. HANKINS
EXPIRES: 6/30/2021

SHEET 26 OF 31

FILE-P: \\471-001-Smith_Creek-Feasibility\dwg\Phase_3B\471-001_L_26sgn02_Layout: 26 STREET SIGNAGE DETAILS.Plot Date: 4/13/2020 2:28 PM, by: Ian Felts 471-001



SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

CONSTRUCTION DETAILS

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

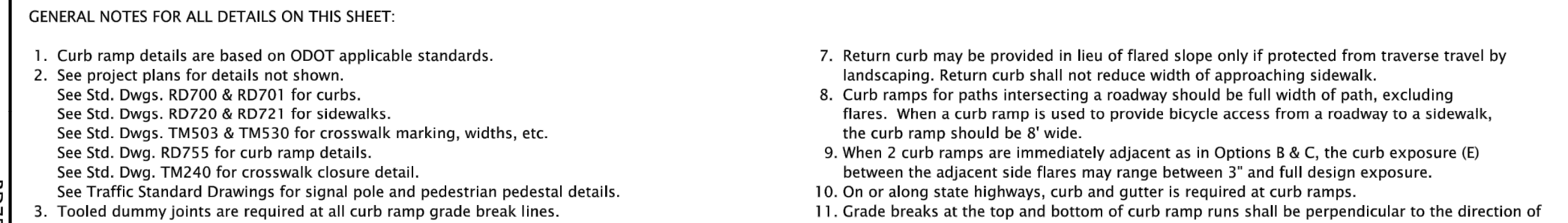
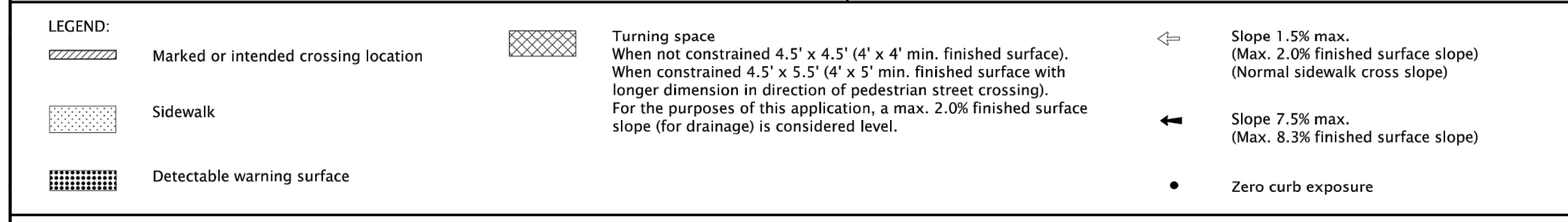
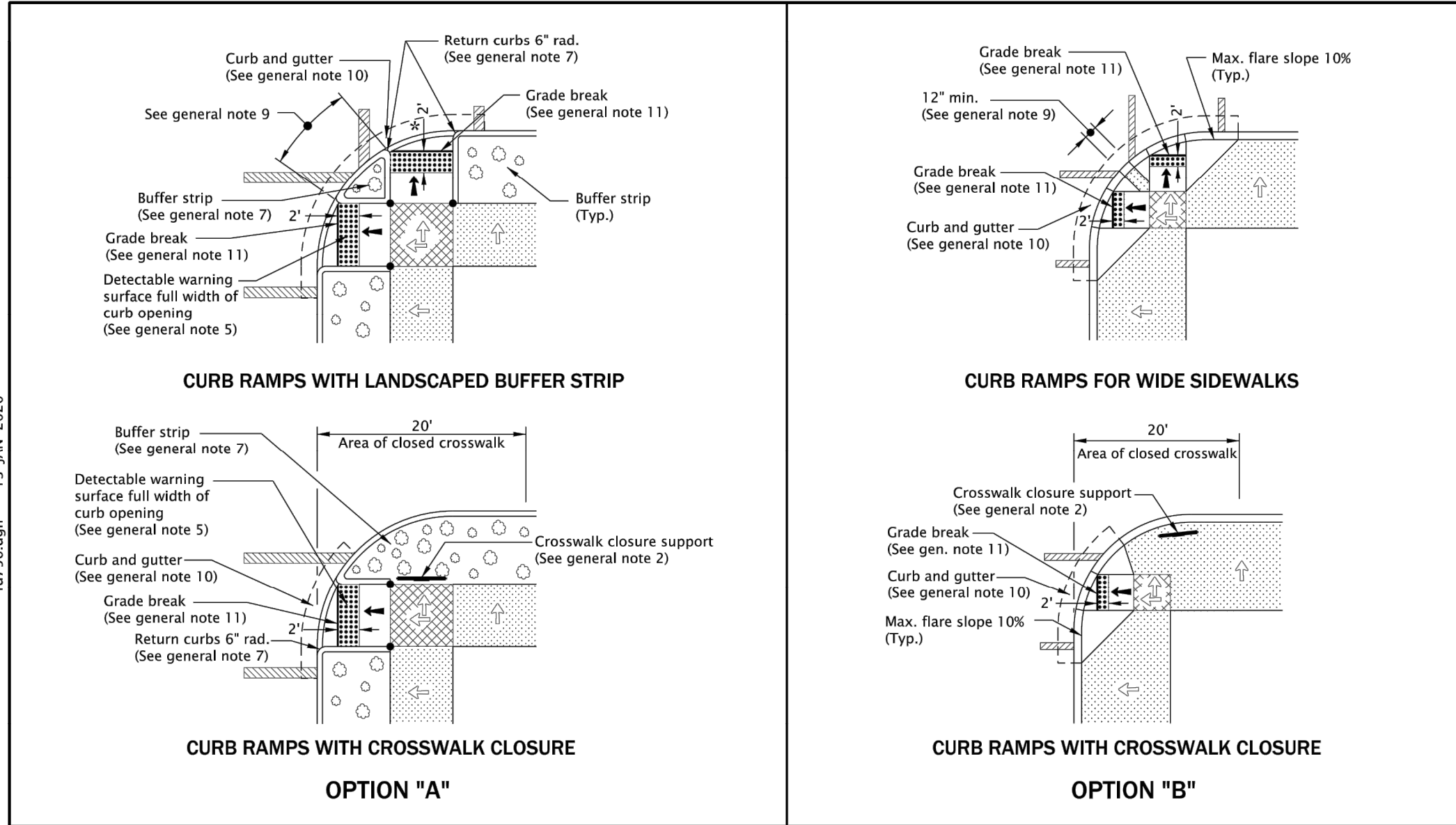
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REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HANKINS
EXPIRES: 9/30/2021

SHEET 27 OF 31

FILE: P:\471-001-Smith_Creek-Feasibility (vna) (Phase 3B) 471-001_27.dwg | Layout: 27 CONSTRUCTION DETAILS | Plot Date: 4/13/2020 2:28 PM, by: Ian Felts



LEGEND:

- Marked or intended crossing location
- Sidewalk
- Detectable warning surface
- Turning space
- Slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- Slope 7.5% max. (Max. 8.3% finished surface slope)
- Zero curb exposure

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Curb ramp details are based on ODOT applicable standards.
- See project plans for details not shown.
- See Std. Dwg. RD700 & RD701 for curbs.
- See Std. Dwg. RD720 & RD721 for sidewalks.
- See Std. Dwg. TMS03 & TMS30 for crosswalk marking, widths, etc.
- See Std. Dwg. RD755 for curb ramp details.
- See Std. Dwg. TM240 for crosswalk closure detail.
- See Traffic Standard Drawings for signal pole and pedestrian details.
- Tooled dummy joints are required at all curb ramp grade break lines.
- Curb ramp slopes shown are relative to the true level horizon (Zero bubble).
- Place detectable warning surface at the back of curb for a minimum depth of 2' at curb ramp that is adjacent to traffic. For details not shown, see Std. Dwg. RD758 & RD759.
- Check the gutter flow depth to assure that the design flood does not overtop the back of sidewalk. Place an inlet at upstream side or perform other approved design mitigation.
- Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping. Return curb shall not reduce width of approaching sidewalk.
- Curb ramps for paths intersecting a roadway should be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp should be 8' wide.
- When 2 curb ramps are immediately adjacent as in Options B & C, the curb exposure (E) between the adjacent side flares may range between 3" and full design exposure.
- On or along state highways, curb and gutter is required at curb ramps.
- Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.

CALC. BOOK NO. N/A BASELINE REPORT DATE 13-JAN-2020

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

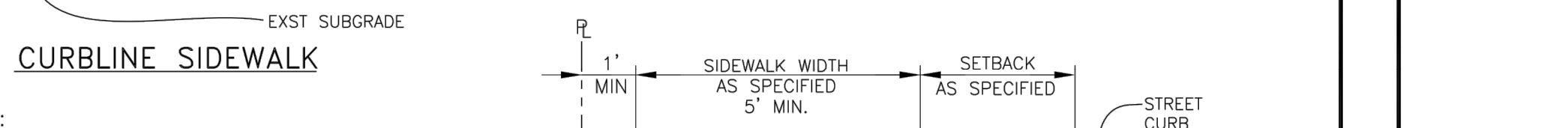
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CURB RAMP LAYOUT OPTIONS SMALL RADII

DATE	REVISION DESCRIPTION
01-2018	REVISED DETAILS, REVISED & ADDED NOTES
02-2018	REVISED DETAIL & NOTES
01-2019	ADDED SHADENAM DETAIL, REVISED DETAILS & NOTES
08-2019	REVISED DETAIL & NOTES
01-2020	REVISED DETAILS & NOTES

Effective Date: June 1, 2020 - November 30, 2020 RD756



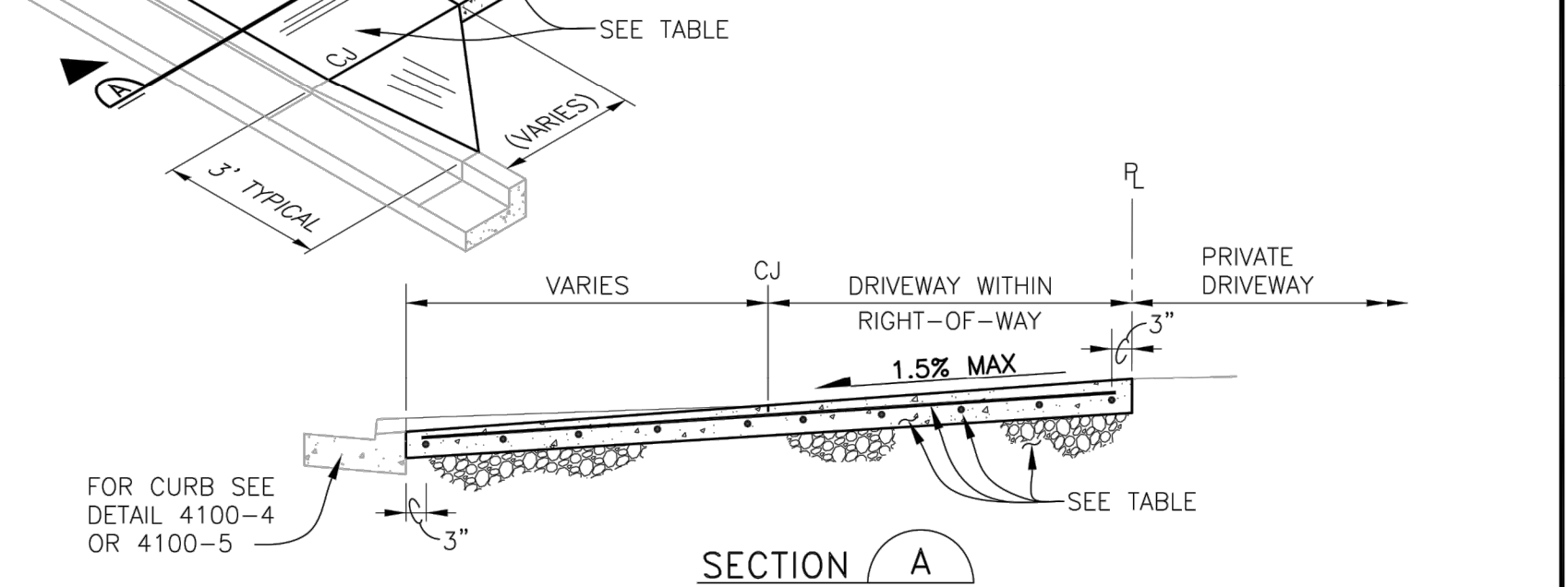
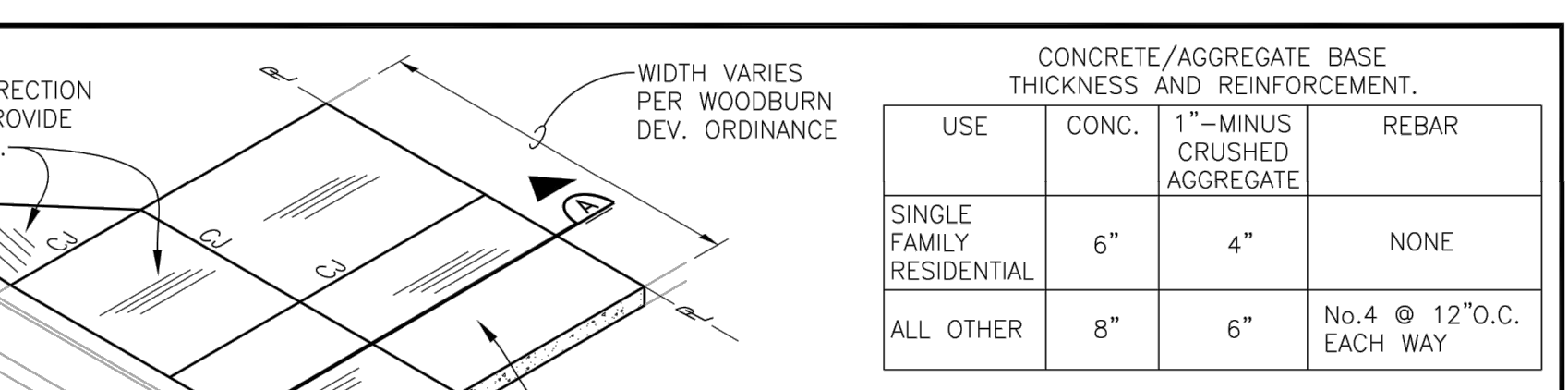
NOTES:

- MATERIAL - 3500 PSI CONCRETE AT 28 DAYS. BROOM FINISH SURFACE & PROVIDE 3" EDGE SHINE. REFERENCE TECHNICAL SPEC. SECTION 4150.
- EXPANSION JOINTS (EJ) SHALL BE 1/2" AC IMPREGNATED JOINT FILLER AT ALL DISSIMILAR VERTICAL SURFACES.
- TRANSVERSE CONSTRUCTION JOINTS (CJ) 1-1/2" DEEP OR 1/3 OF THE THICKNESS (T) @ 5' INTERVALS.
- FOR SIDEWALK AT DRIVEWAYS SEE DETAILS 4150-3 AND 4150-4.
- SLOPE 1.5% MAX. MAX 2.0% FINISHED SURFACE SLOPE.

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ENGINEERING DIVISION

SIDEWALKS

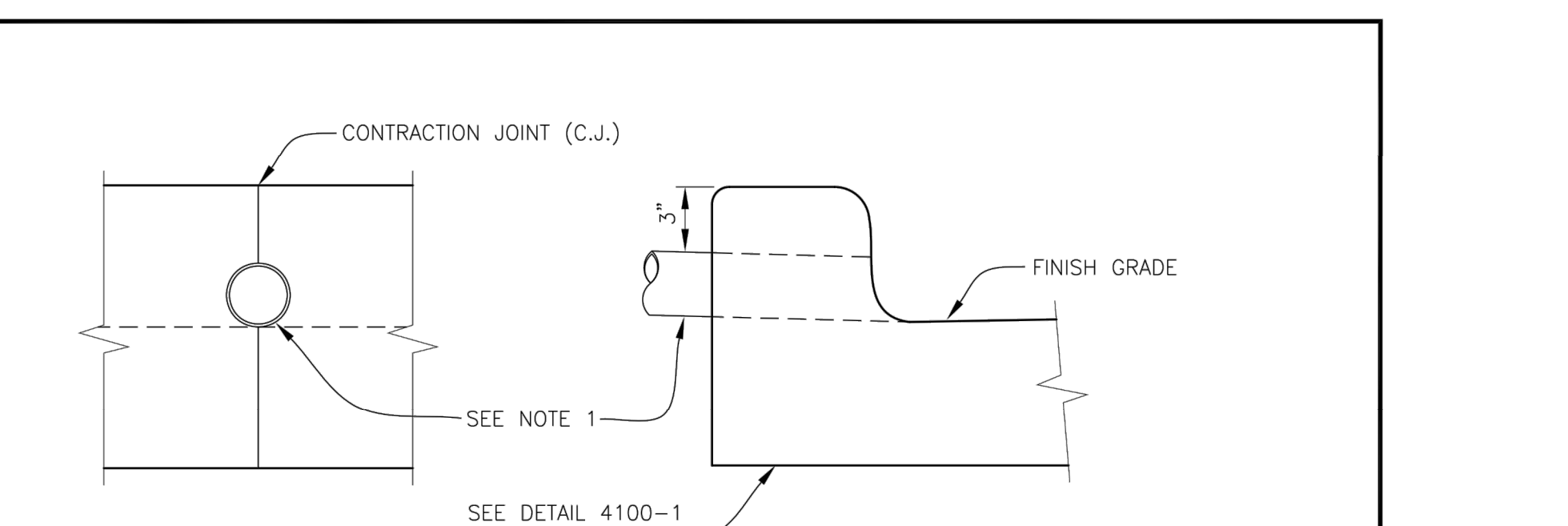
REV: JULY 2018
SCALE: NTS
DET No. 4150-8



WOODBURN
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ENGINEERING DIVISION

DRIVEWAY APPROACH

REV: MAY 2019
SCALE: NTS
DET No. 4150-1



NOTES:

- 3" PVC SHALL BE SCHEDULE 40.
- REFERENCE TECHNICAL SPEC. SECTION 4100.

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ENGINEERING DIVISION

WEEP HOLE

REV: DEC. 2007
SCALE: NTS
DET No. 4100-3



NOTES:

- REBAR WILL EXTEND A MIN. OF 2' INTO THE WING AREA.
- CURBLINE SIDEWALK SEE DETAIL 4150-3 FOR MINIMUM TAPER. FOR PROPERTY LINE SIDEWALK SEE DETAIL 4150-4 FOR MINIMUM TAPER.
- REFERENCE TECHNICAL SPEC. SECTION 4100 AND DETAIL 4100-1.
- MATERIAL - 3500 PSI CONCRETE AT 28 DAYS.

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TYPE 'A' CURB AT DRIVEWAY

REV: DEC. 2007
SCALE: NTS
DET No. 4100-4

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

CONSTRUCTION DETAILS

NO.	DATE	DESCRIPTION
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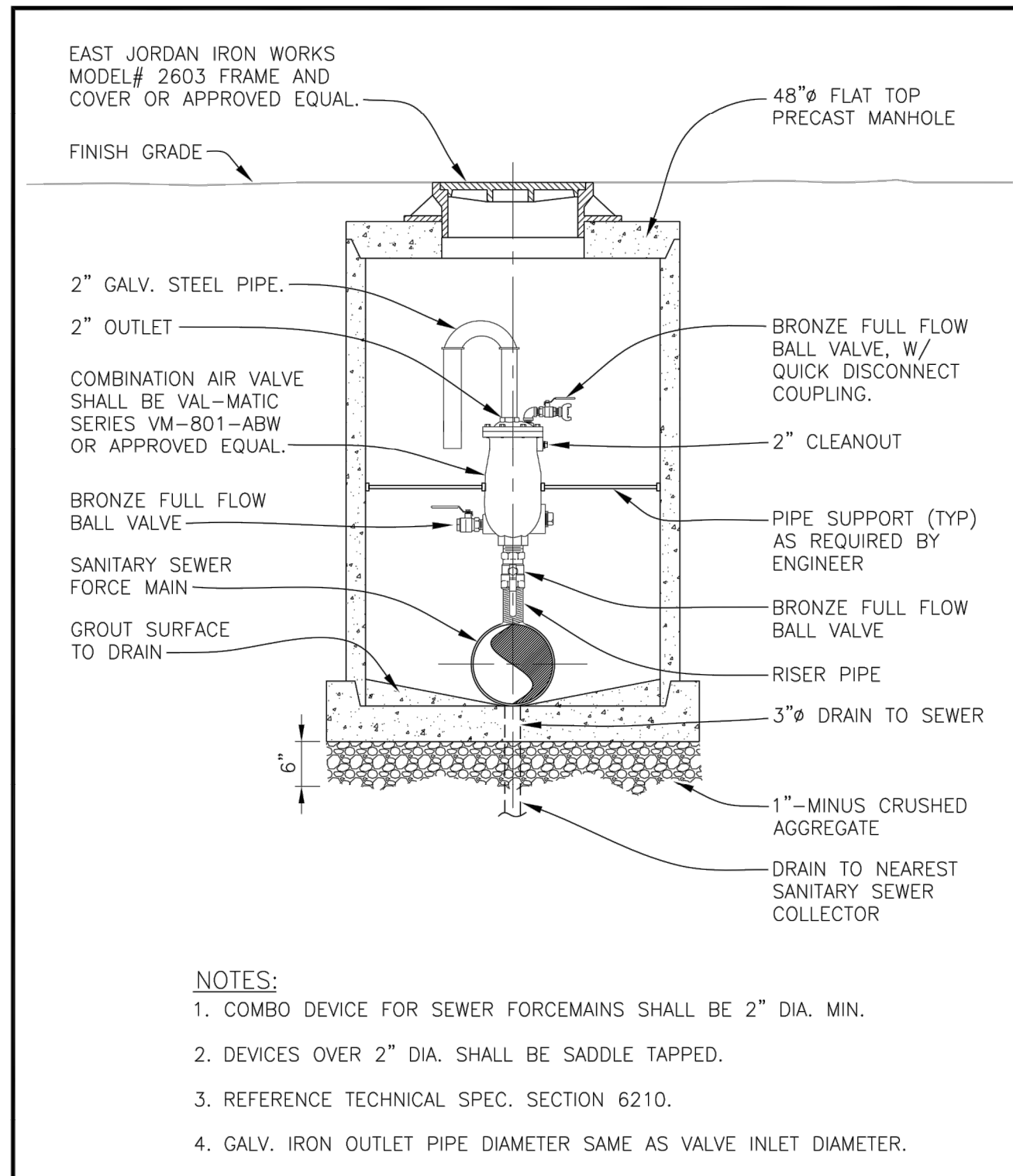
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REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HAWKINS
EXPIRES: 6/30/2021

SHEET **28** OF **31**

FILE-P: V471-001-Smith_Creek-Feasibility (v4) (Phase 3B) 471-001_28(1)02_Layout_28 CONSTRUCTION DETAILS-Plot Date: 4/13/2020 2:29 PM, by: Ian Felts 471-001

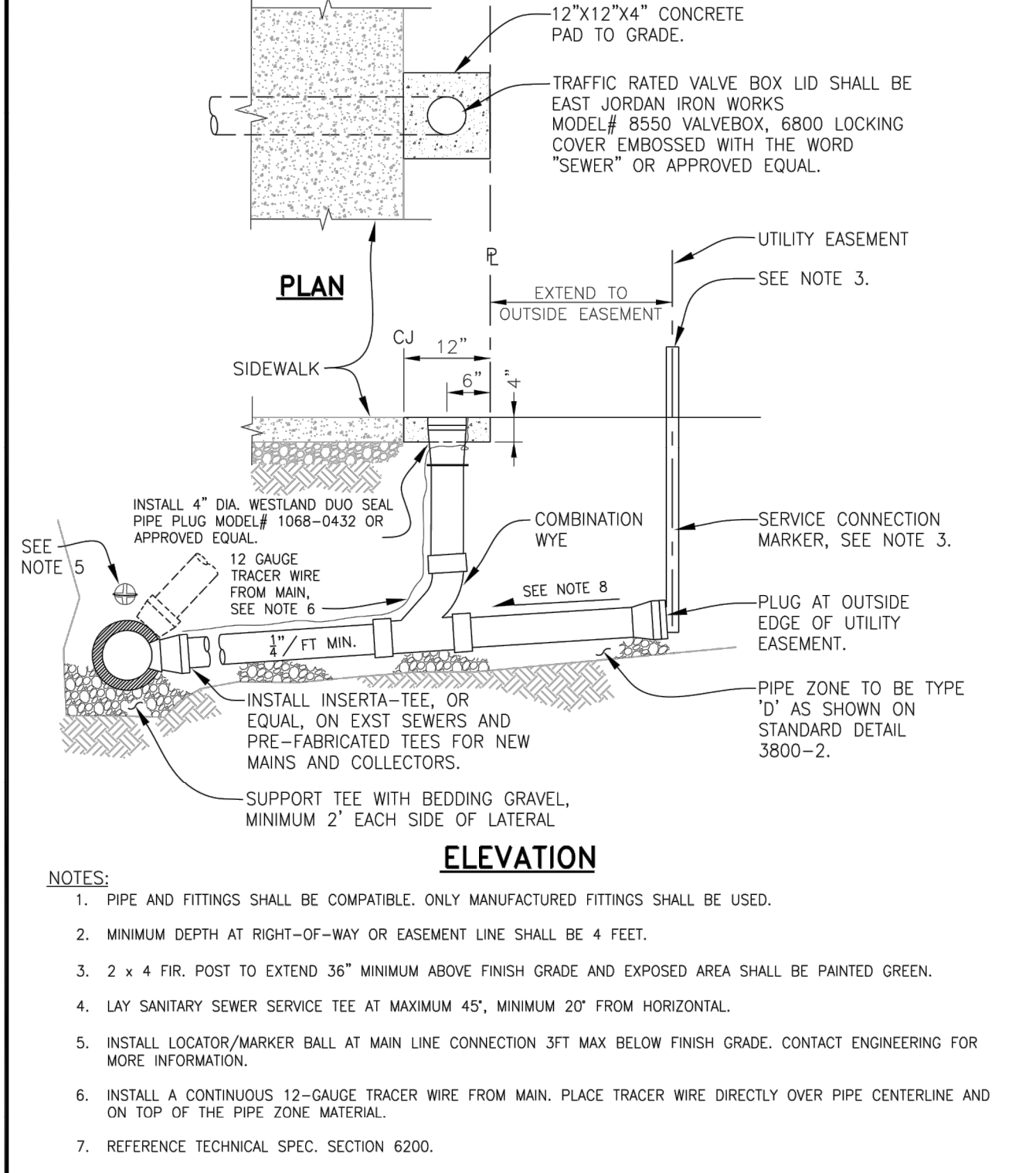


- NOTES:**
- COMBO DEVICE FOR SEWER FORCEMAINS SHALL BE 2" DIA. MIN.
 - DEVICES OVER 2" DIA. SHALL BE SADDLE TAPPED.
 - REFERENCE TECHNICAL SPEC. SECTION 6210.
 - GALV. IRON OUTLET PIPE DIAMETER SAME AS VALVE INLET DIAMETER.

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ENGINEERING DIVISION

SANITARY SEWER COMBINATION AIR RELEASE VALVE

REV: DEC. 2007
SCALE: NTS
DET No. **6200-6**

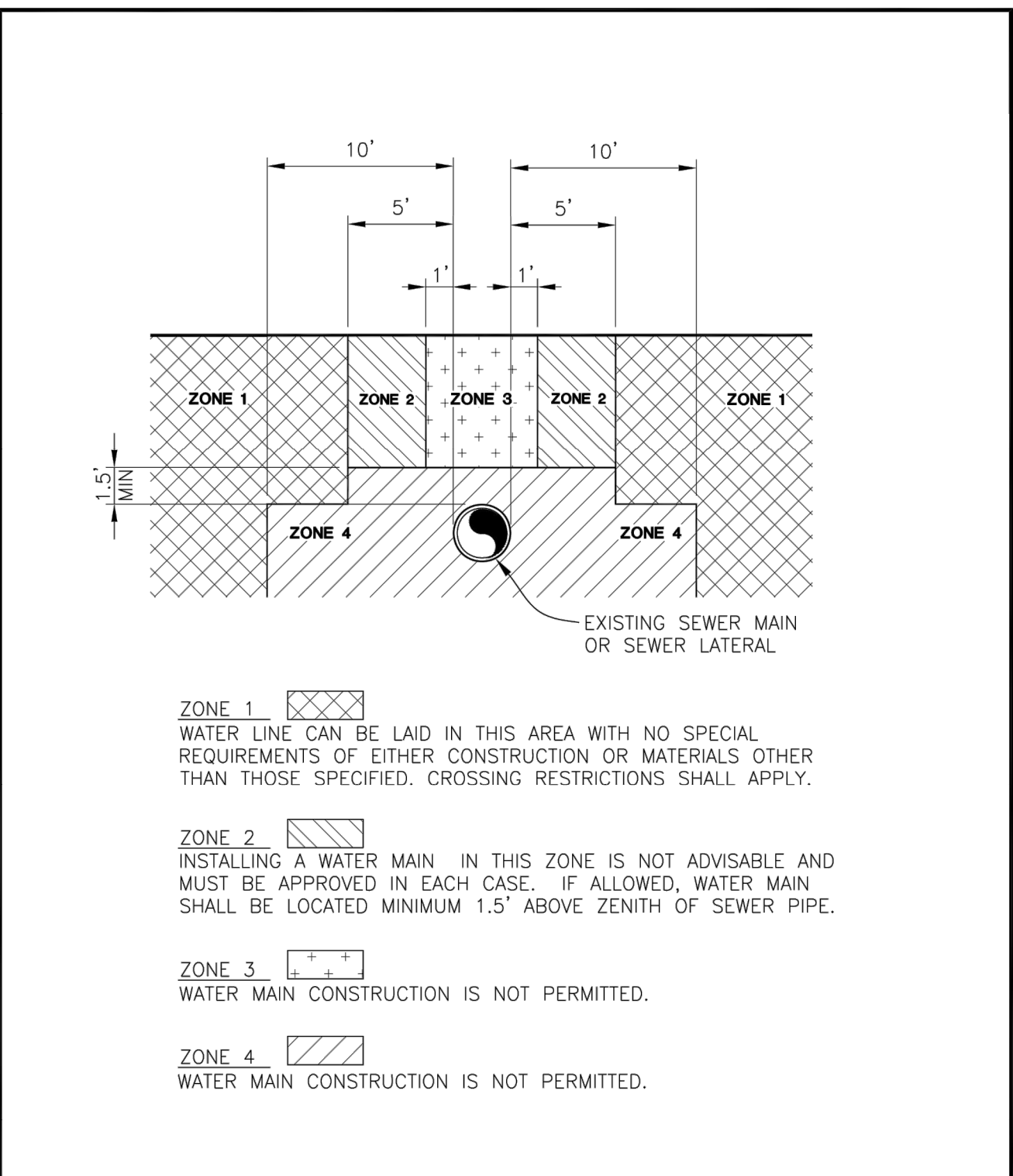


- NOTES:**
- PIPE AND FITTINGS SHALL BE COMPATIBLE. ONLY MANUFACTURED FITTINGS SHALL BE USED.
 - MINIMUM DEPTH AT RIGHT-OF-WAY OR EASEMENT LINE SHALL BE 4 FEET.
 - 2 x 4 FIR. POST TO EXTEND 36" MINIMUM ABOVE FINISH GRADE AND EXPOSED AREA SHALL BE PAINTED GREEN.
 - LAY SANITARY SEWER SERVICE TEE AT MAXIMUM 45°, MINIMUM 20" FROM HORIZONTAL.
 - INSTALL LOCATOR/MARKER BALL AT MAIN LINE CONNECTION 3FT MAX BELOW FINISH GRADE. CONTACT ENGINEERING FOR MORE INFORMATION.
 - INSTALL A CONTINUOUS 12-GAUGE TRACER WIRE FROM MAIN. PLACE TRACER WIRE DIRECTLY OVER PIPE CENTERLINE AND ON TOP OF THE PIPE ZONE MATERIAL.
 - REFERENCE TECHNICAL SPEC. SECTION 6200.
 - CONTACT MARION COUNTY PUBLIC WORKS FOR REQUIREMENTS.

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PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

SEWER SERVICE CONNECTION

REV: FEB. 2020
SCALE: NTS
DET No. **6200-3**

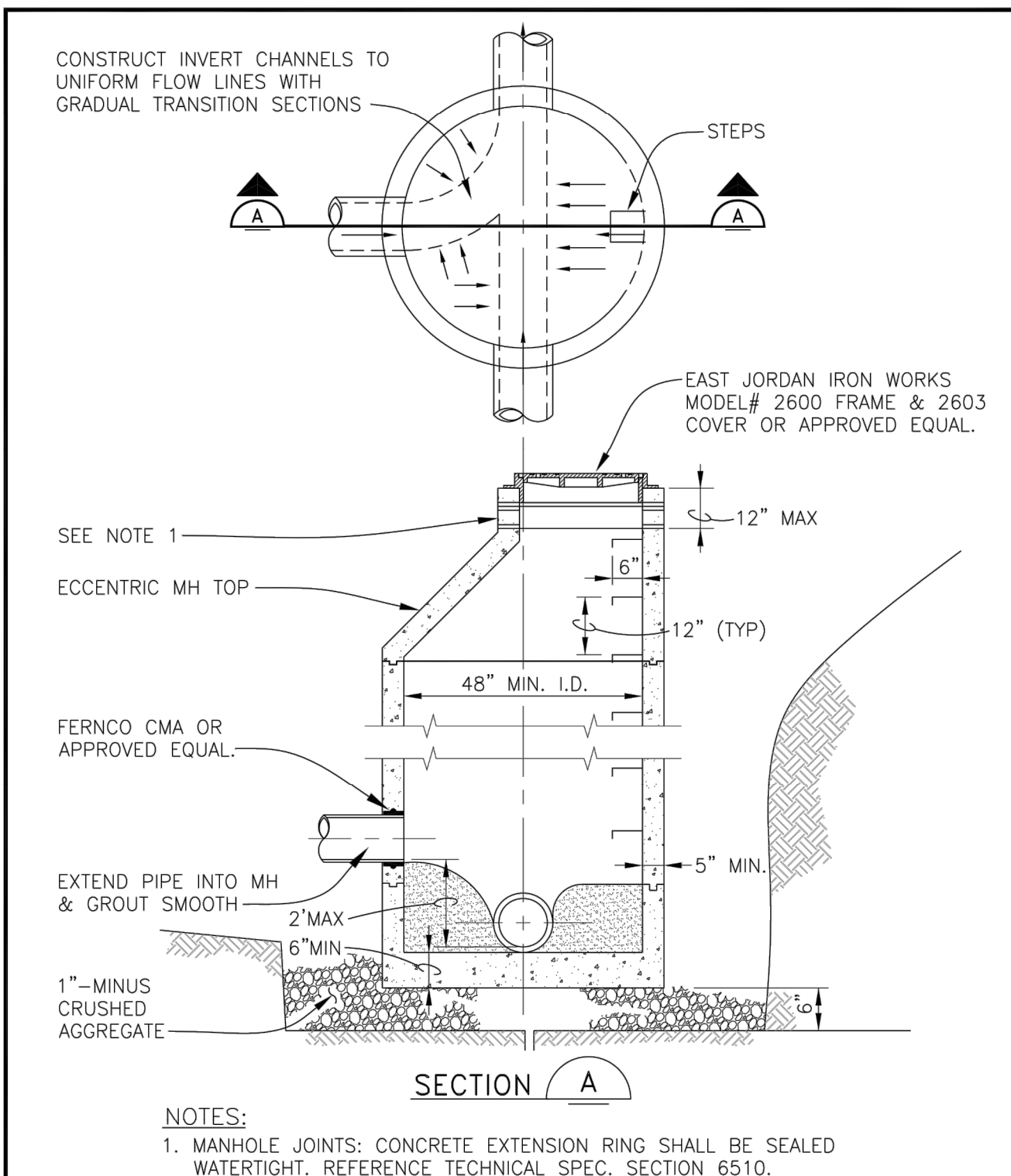


- ZONE 1** [Symbol]
WATER LINE CAN BE LAID IN THIS AREA WITH NO SPECIAL REQUIREMENTS OF EITHER CONSTRUCTION OR MATERIALS OTHER THAN THOSE SPECIFIED. CROSSING RESTRICTIONS SHALL APPLY.
- ZONE 2** [Symbol]
INSTALLING A WATER MAIN IN THIS ZONE IS NOT ADVISABLE AND MUST BE APPROVED IN EACH CASE. IF ALLOWED, WATER MAIN SHALL BE LOCATED MINIMUM 1.5' ABOVE ZENITH OF SEWER PIPE.
- ZONE 3** [Symbol]
WATER MAIN CONSTRUCTION IS NOT PERMITTED.
- ZONE 4** [Symbol]
WATER MAIN CONSTRUCTION IS NOT PERMITTED.

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UTILITY ZONES AT SEWER LINE

REV: DEC. 2007
SCALE: NTS
DET No. **6200-4**

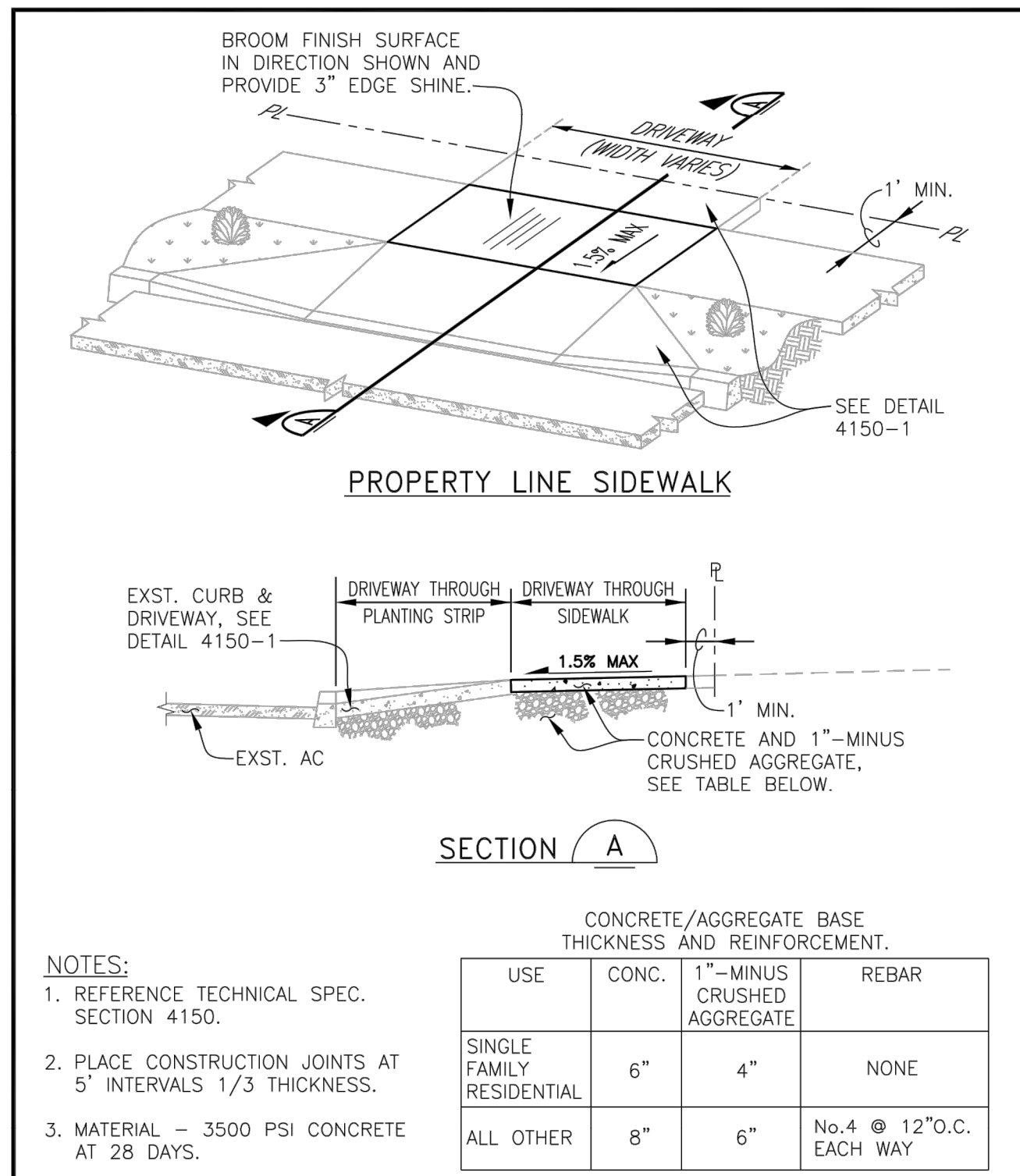


- NOTES:**
- MANHOLE JOINTS: CONCRETE EXTENSION RING SHALL BE SEALED WATERTIGHT. REFERENCE TECHNICAL SPEC. SECTION 6510.

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SANITARY SEWER MANHOLE

REV: DEC. 2007
SCALE: NTS
DET No. **6510-3**

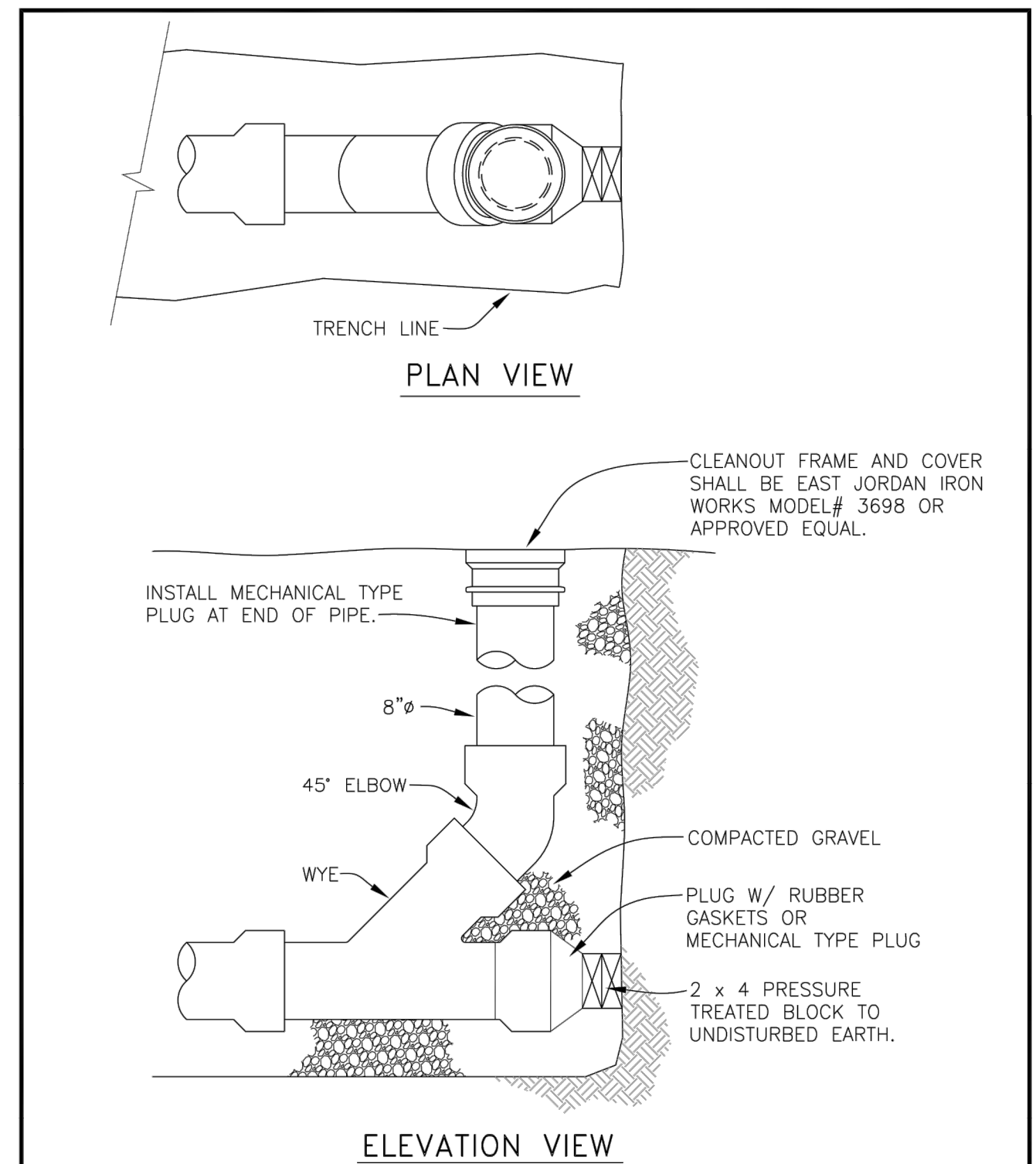


- NOTES:**
- REFERENCE TECHNICAL SPEC. SECTION 4150.
 - PLACE CONSTRUCTION JOINTS AT 5' INTERVALS 1/3 THICKNESS.
 - MATERIAL - 3500 PSI CONCRETE AT 28 DAYS.
- | CONCRETE/AGGREGATE BASE THICKNESS AND REINFORCEMENT. | | | |
|--|-------|----------------------------|---------------------------|
| USE | CONC. | 1" MINUS CRUSHED AGGREGATE | REBAR |
| SINGLE FAMILY RESIDENTIAL | 6" | 4" | NONE |
| ALL OTHER | 8" | 6" | No. 4 @ 12" O.C. EACH WAY |

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PROPERTY LINE SIDEWALK AT DRIVEWAY

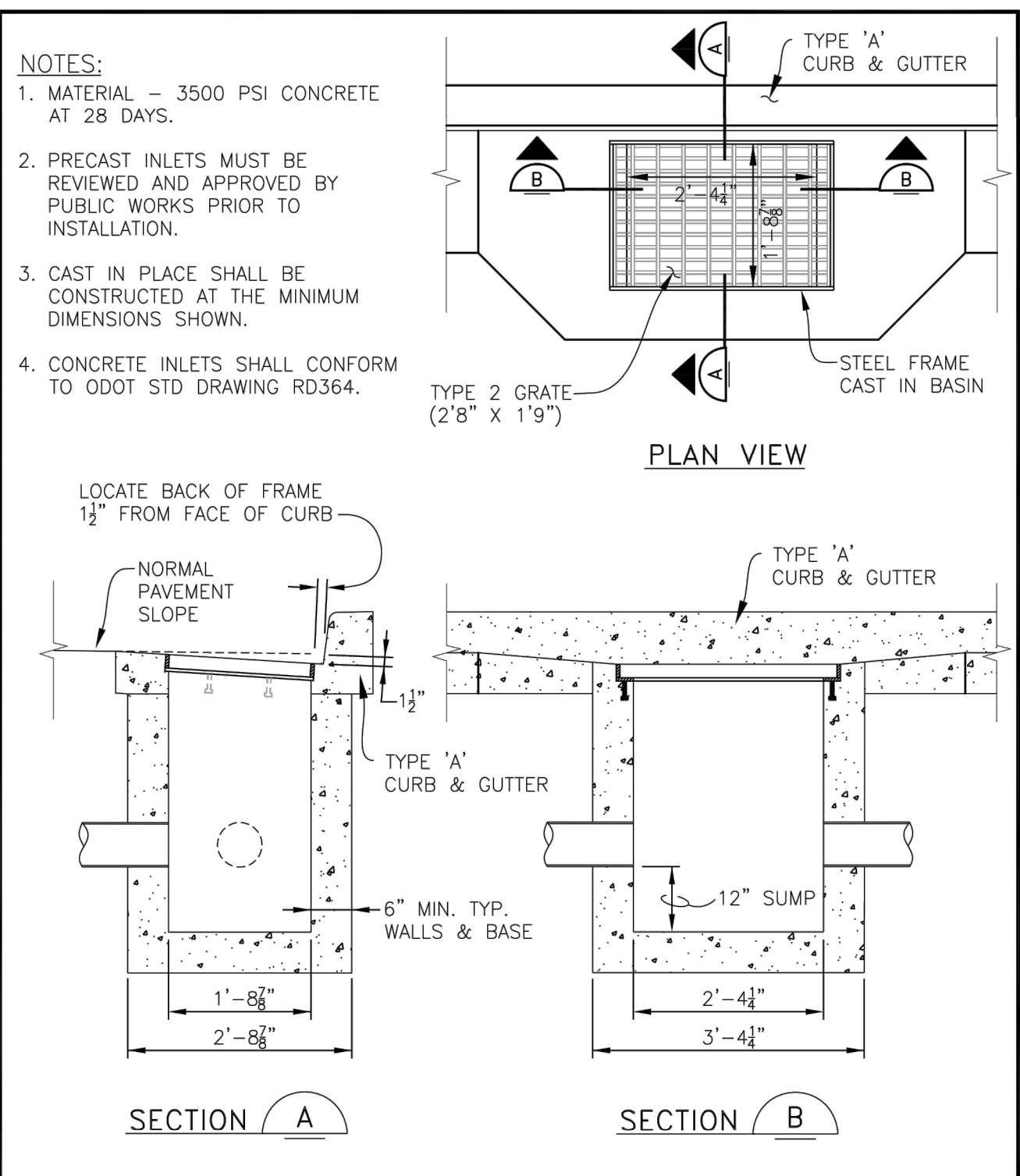
REV: JUNE, 2018
SCALE: NTS
DET No. **4150-4**



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MAIN LINE CLEANOUT

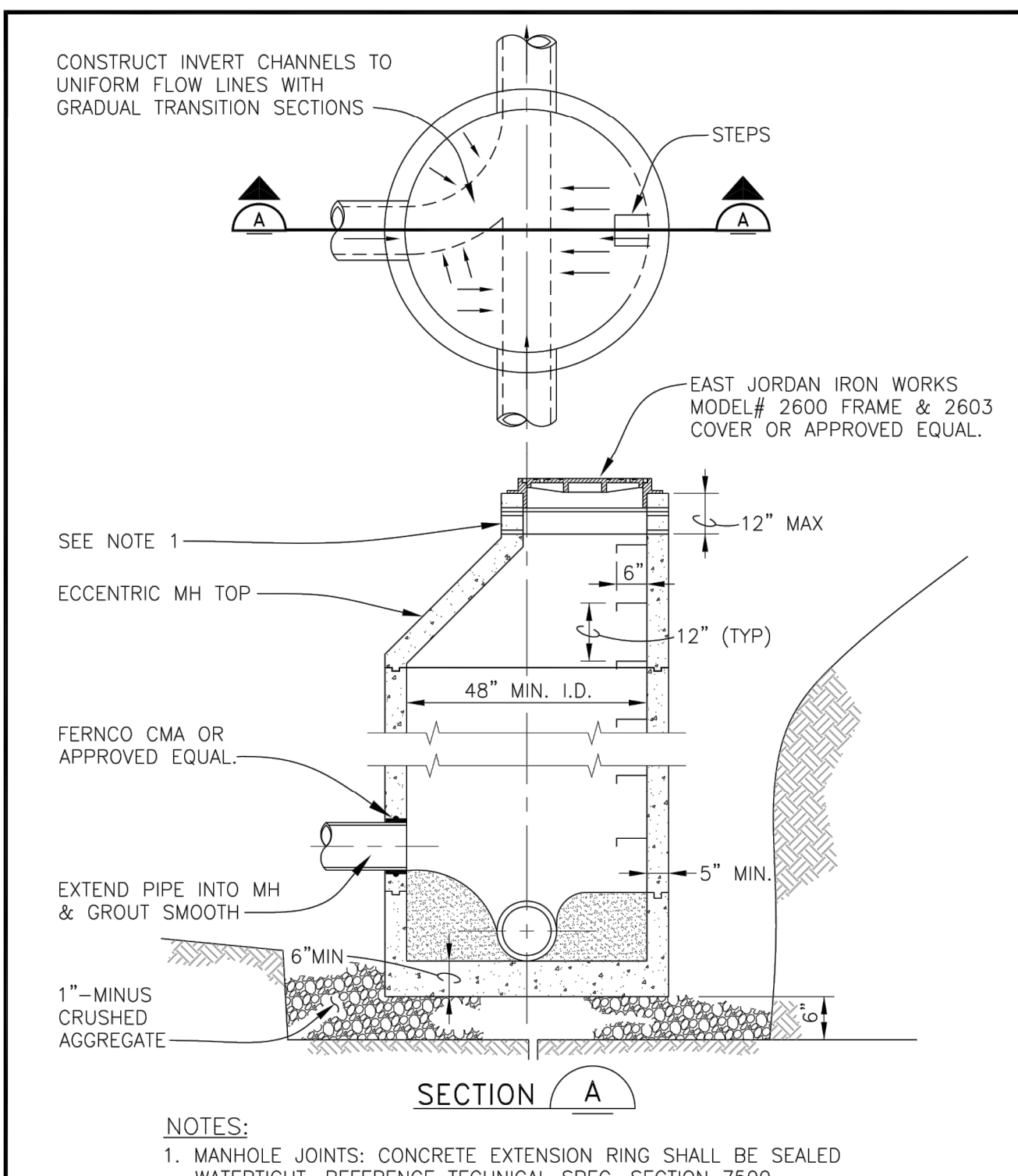
REV: DEC. 2007
SCALE: NTS
DET No. **6200-1**



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ENGINEERING DIVISION

INLET

REV: AUG. 2009
SCALE: NTS
DET No. **7100-4**



- NOTES:**
- MANHOLE JOINTS: CONCRETE EXTENSION RING SHALL BE SEALED WATERTIGHT. REFERENCE TECHNICAL SPEC. SECTION 7500.

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STORM SEWER MANHOLE

REV: DEC. 2007
SCALE: NTS
DET No. **7500-1**

SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON

CONSTRUCTION DETAILS

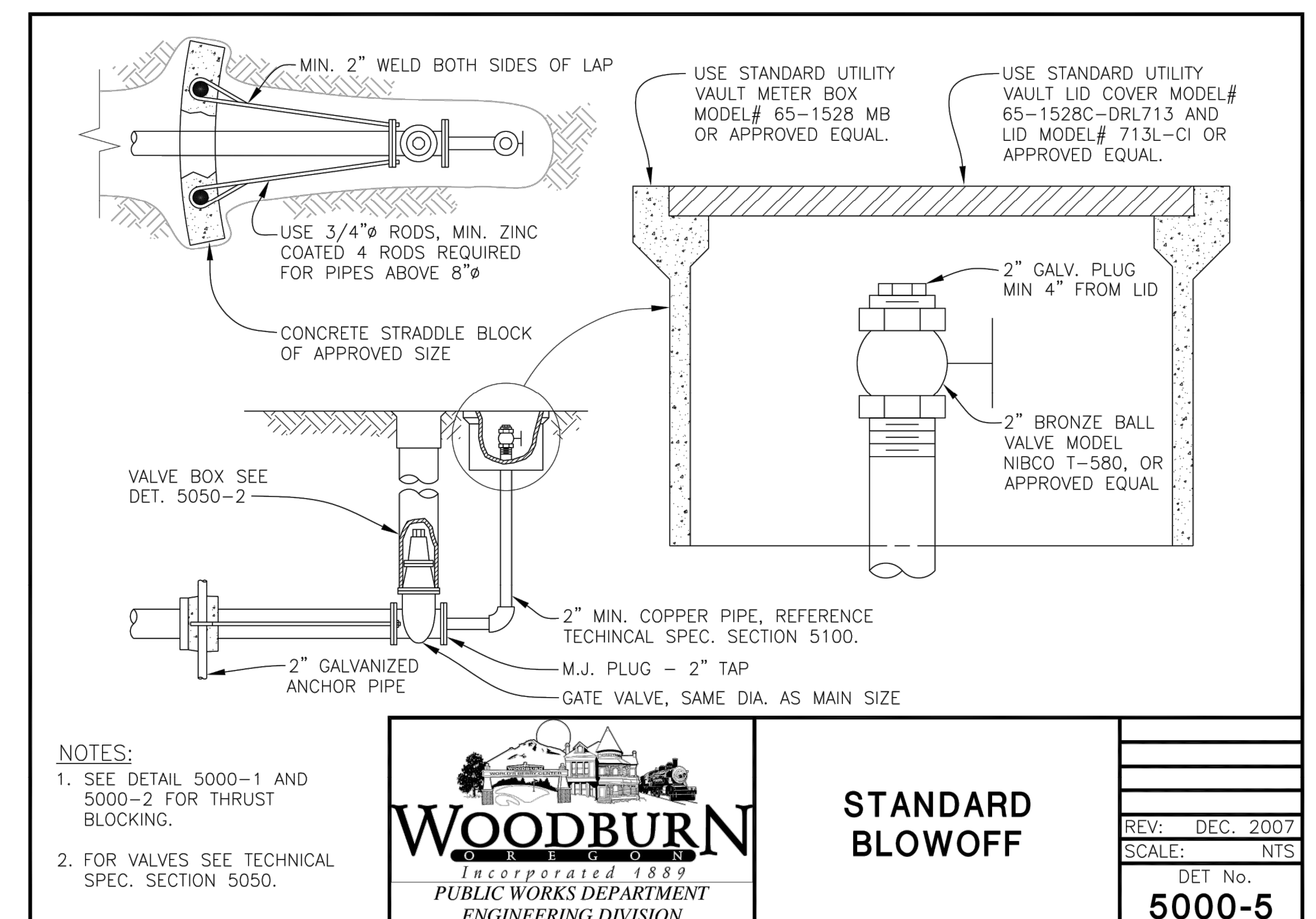
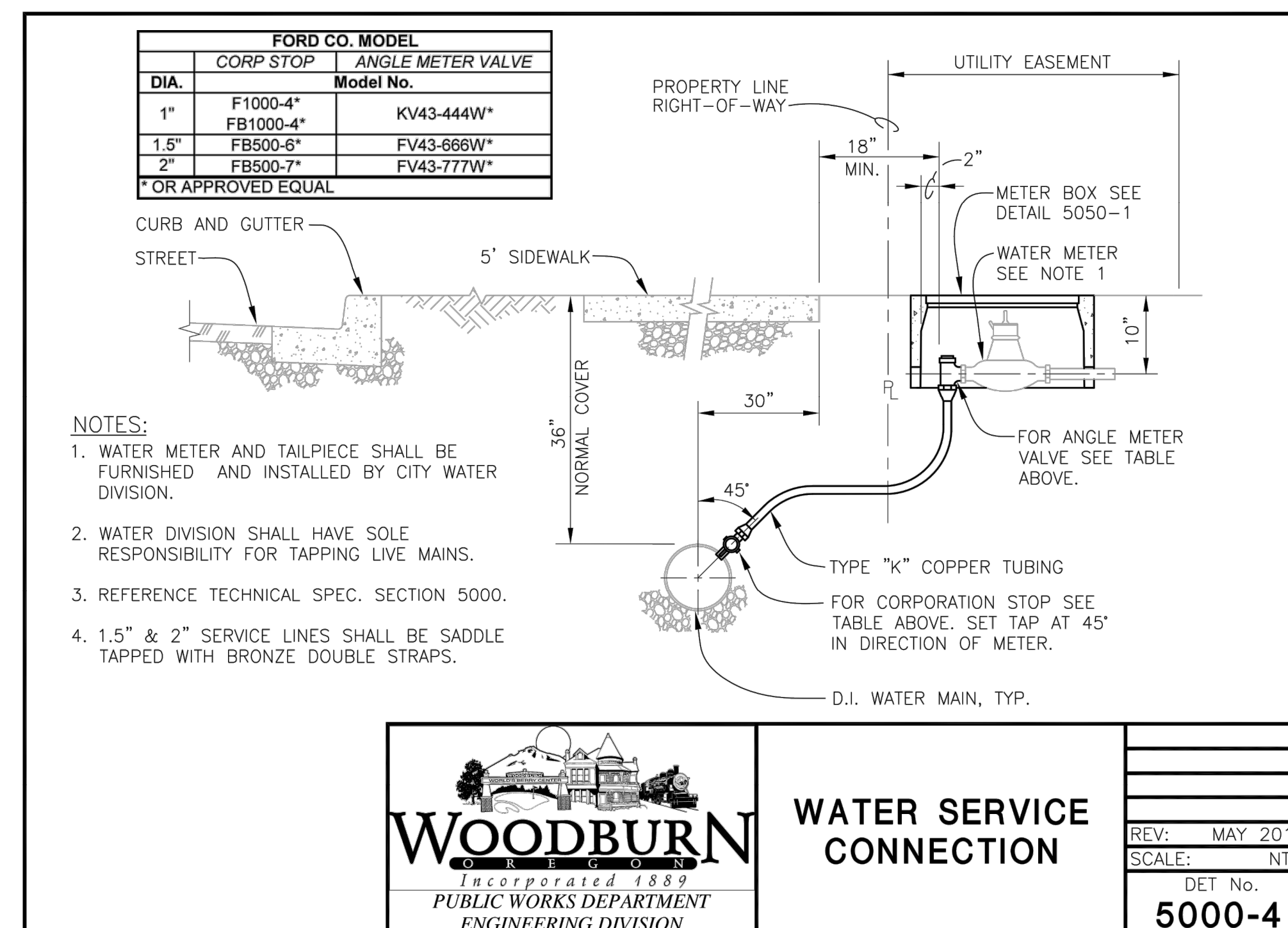
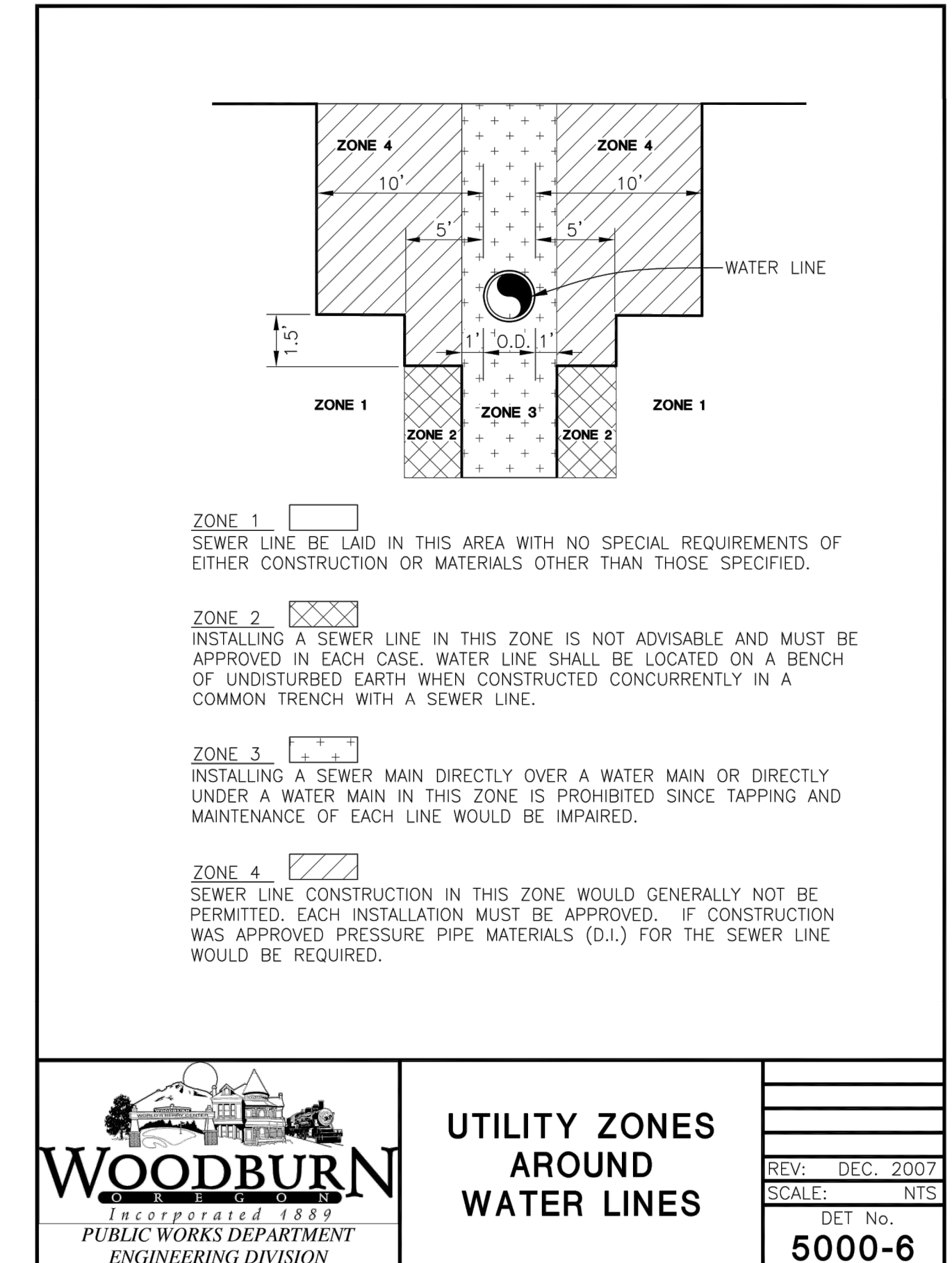
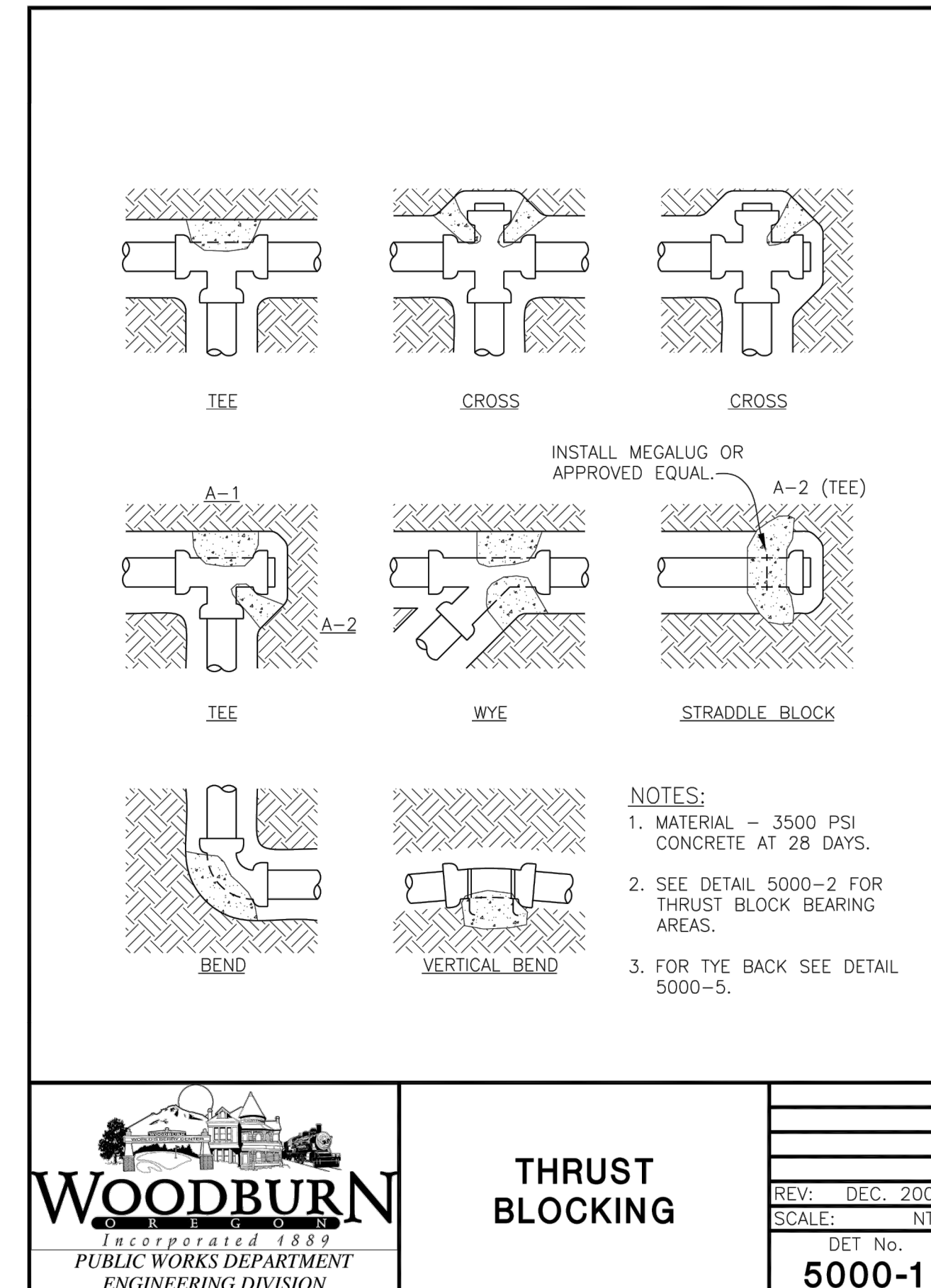
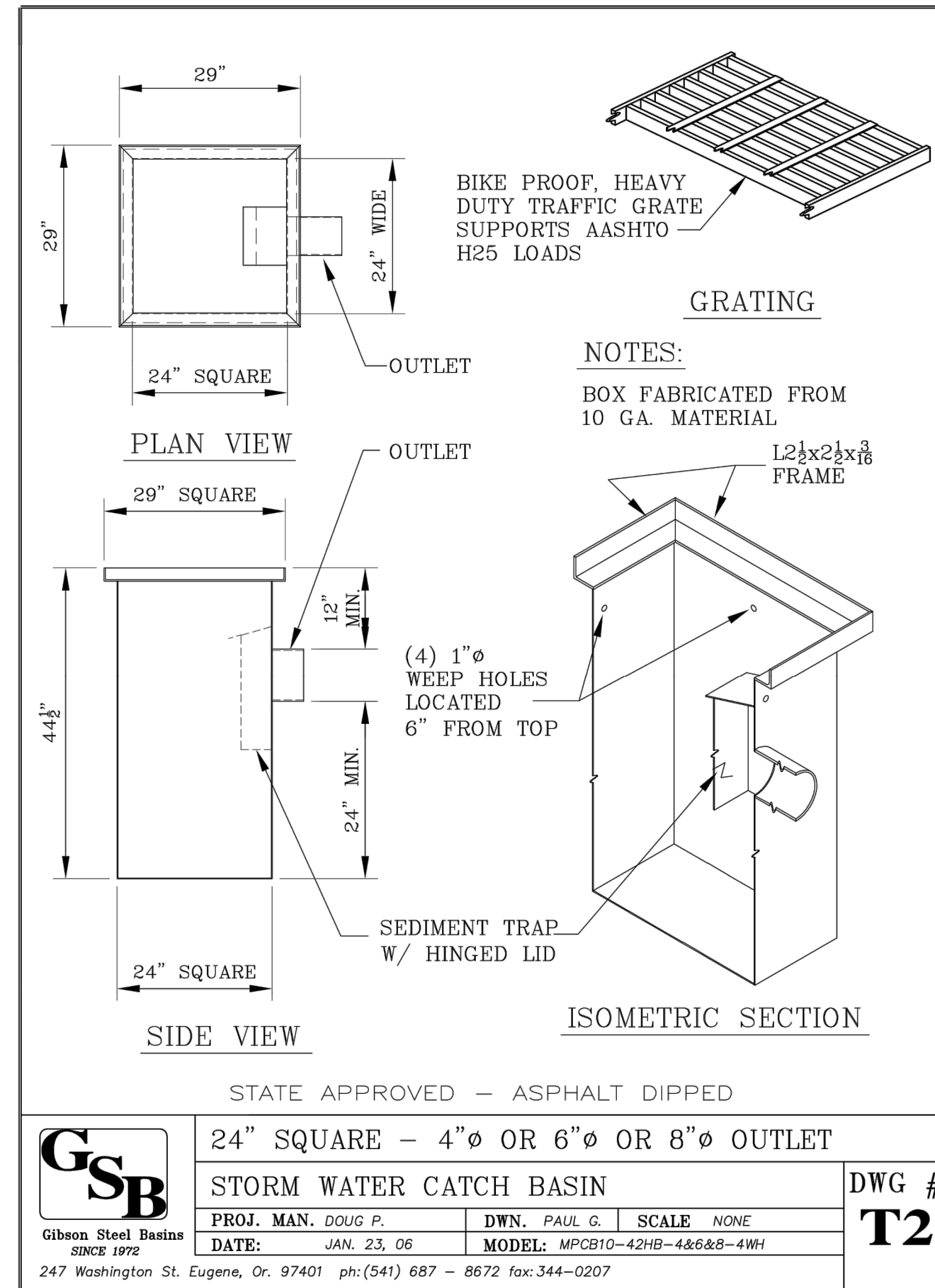
NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL

EMERIO Design
REGISTERED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION
W. HAWKINS
EXPIRES: 6/30/2021

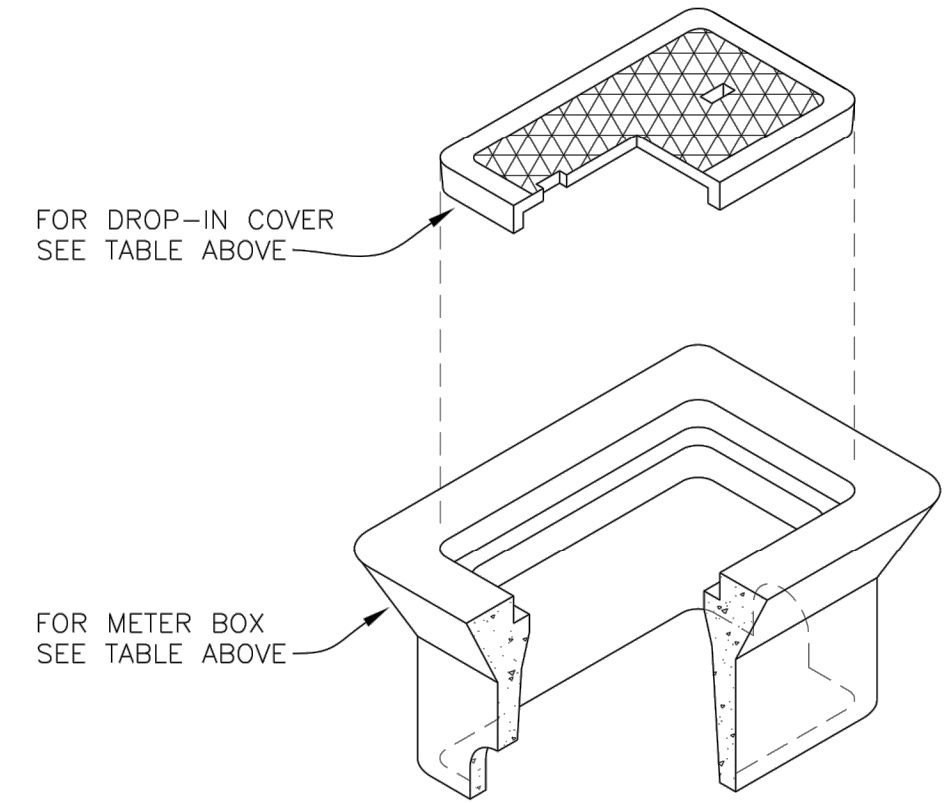
2677 WILLAKENZIE ROAD, SUITE 1A
CLATSOP COUNTY, OREGON 97130
TEL: (503) 746-8812
FAX: (503) 639-9592
www.emeriodesign.com

FILE: P:\471-001-Smith_Creek-Feasibility (cm) (Phase 3B) 471-001_28q103_Layout_29 CONSTRUCTION DETAILS; Plot Date: 4/13/2020 2:29 PM, by: Ian Felts

SHEET **29** OF **31**

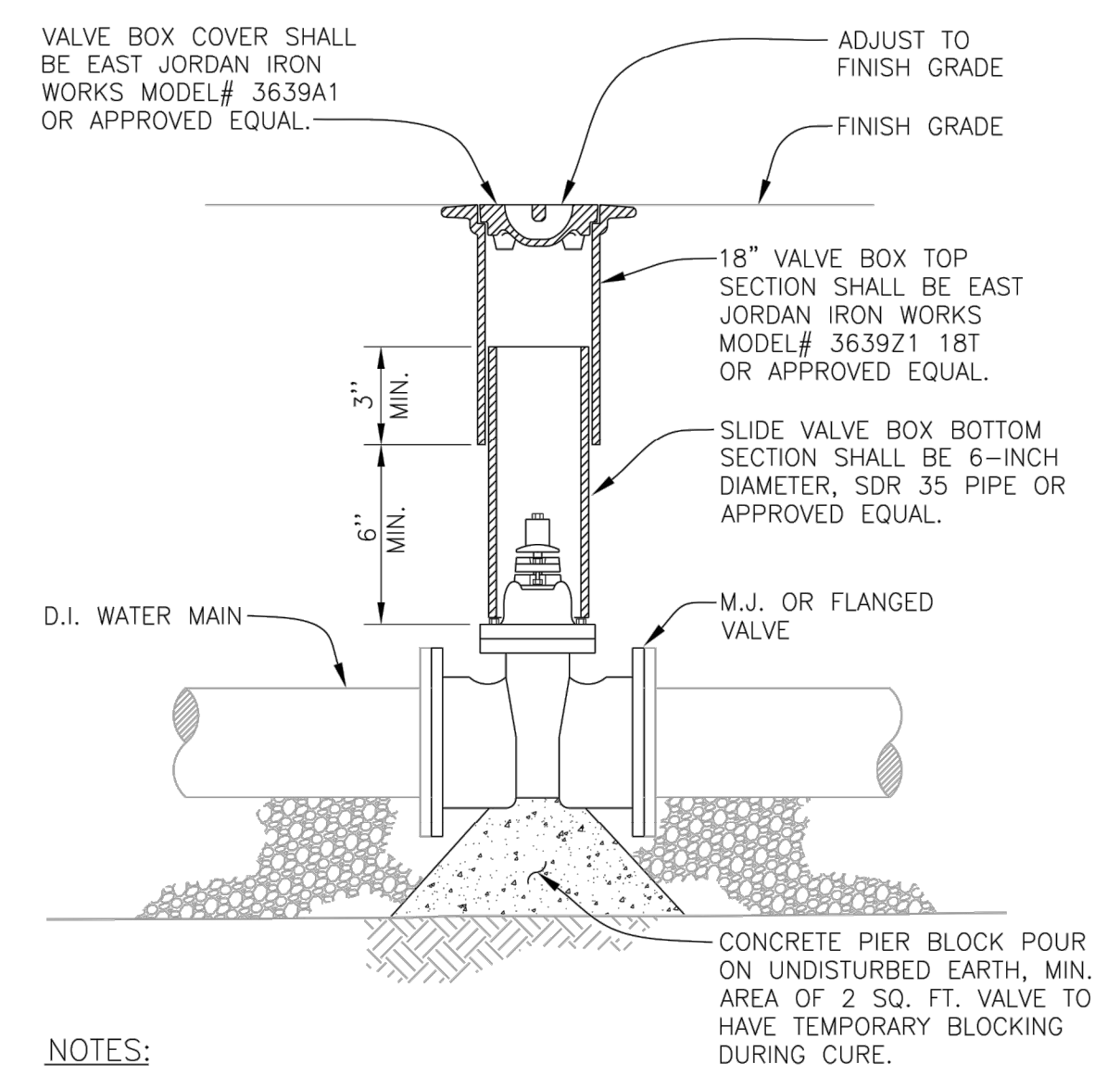


BROOKS PRODUCTS		
	COVER	METER BOX
DIA.	MODEL NO.	
1"	No. 37-T CAST IRON COVER*	No. 37 MB-BODY*
2"	No. 65-TF STEEL COVER (FLUSH)*	No. 65 MB-BODY*
* OR APPROVED EQUAL		



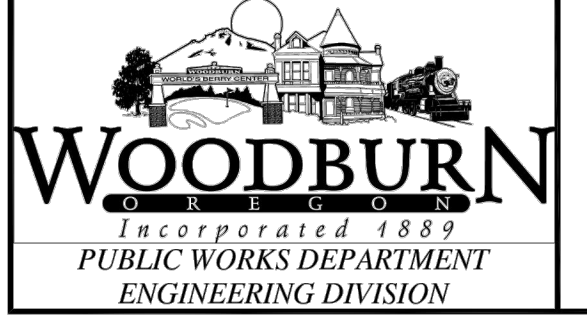
METER BOX

REV: FEB 2020
SCALE: NTS
DET No.
5050-1



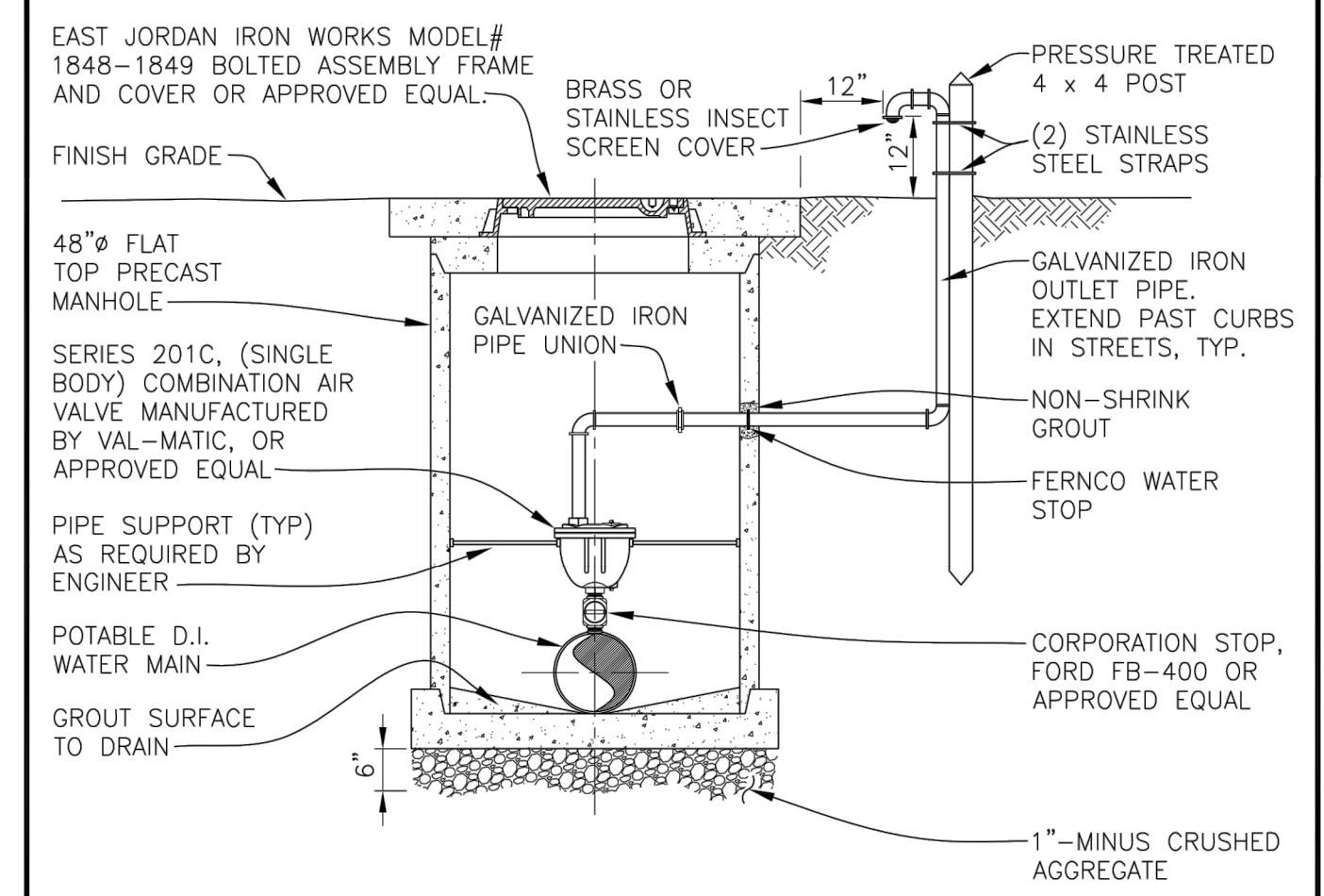
CONCRETE PIER BLOCK POUR ON UNDISTURBED EARTH, MIN. AREA OF 2 SQ. FT. VALVE TO HAVE TEMPORARY BLOCKING DURING CURE.

NOTES:
1. REFERENCE TECHNICAL SPEC. SECTION 5050.



VALVE ASSEMBLY

REV: FEB 2020
SCALE: NTS
DET No.
5050-2

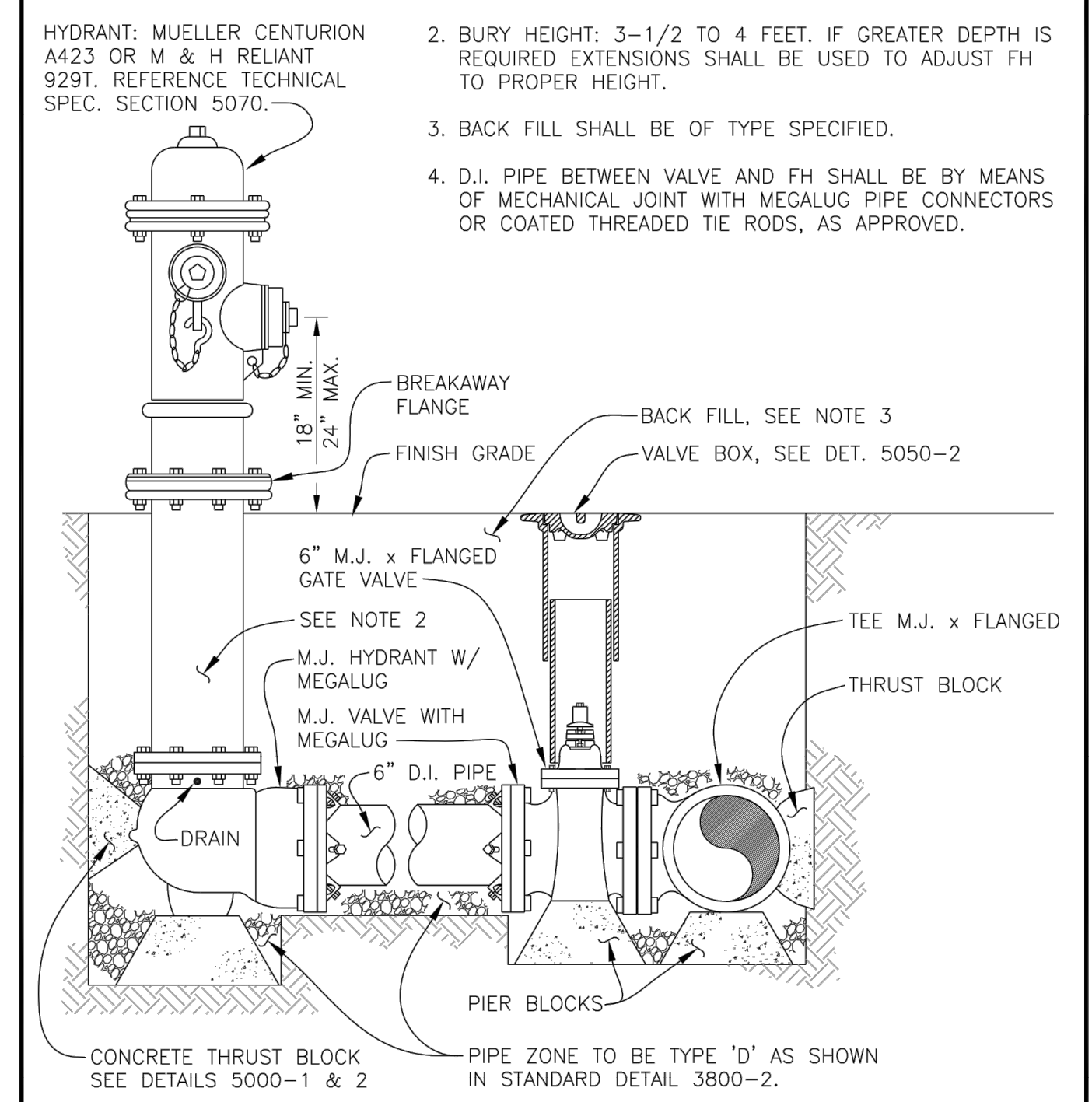


NOTES:
1. FOR WATER MAINS UP TO 12" DIA. USE 1-INCH COMBO AIR VALVE.
2. FOR WATER MAINS OVER 12" DIA. SIZE SHALL BE APPROVED BY ENGINEER.
3. VALVES: REFERENCE TECHNICAL SPEC. SECTION 5050.
4. GALVANIZED IRON PIPE OUTLET DIA. SAME SIZE AS VALVE INLET DIA.
5. LOCATION AND SIZE OF VALVES SHALL BE BY DESIGN OF THE ENGINEER.
6. CORPORATION STOPS OVER 1" DIA. SHALL BE SADDLE TAPPED.



WATER MAIN COMBINATION AIR RELEASE VALVE

REV: DEC. 2007
SCALE: NTS
DET No.
5050-3



NOTES:
1. BED PIPE WITH 1"-MINUS SO AS TO CARRY LOAD OF PIPE EVENLY WITHOUT FIXING LOAD ON PIER BLOCKS. DIG OUT BELOW BED FOR PIER BLOCKS, AS DIRECTED.
2. BURY HEIGHT: 3-1/2 TO 4 FEET. IF GREATER DEPTH IS REQUIRED EXTENSIONS SHALL BE USED TO ADJUST FH TO PROPER HEIGHT.
3. BACK FILL SHALL BE OF TYPE SPECIFIED.
4. D.I. PIPE BETWEEN VALVE AND FH SHALL BE BY MEANS OF MECHANICAL JOINT WITH MEGALUG PIPE CONNECTORS OR COATED THREADED TIE RODS, AS APPROVED.



FIRE HYDRANT ASSEMBLY

REV: FEB 2020
SCALE: NTS
DET No.
5070-1

**SMITH CREEK - PHASE 3B
TAX MAP 052W13-TL 100
WOODBURN, OREGON**

CONSTRUCTION DETAILS

NO.	DATE	DESCRIPTION
0	04/2020	1ST SUBMITTAL



FILE: P:\471-001-Smith_Creek-Feasibility (dwg) (Phase 3B) (471-001_31a) (05). Layout: 31 CONSTRUCTION DETAILS, Plot Date: 4/13/2020 2:29 PM, by: Ian Felis 471-001