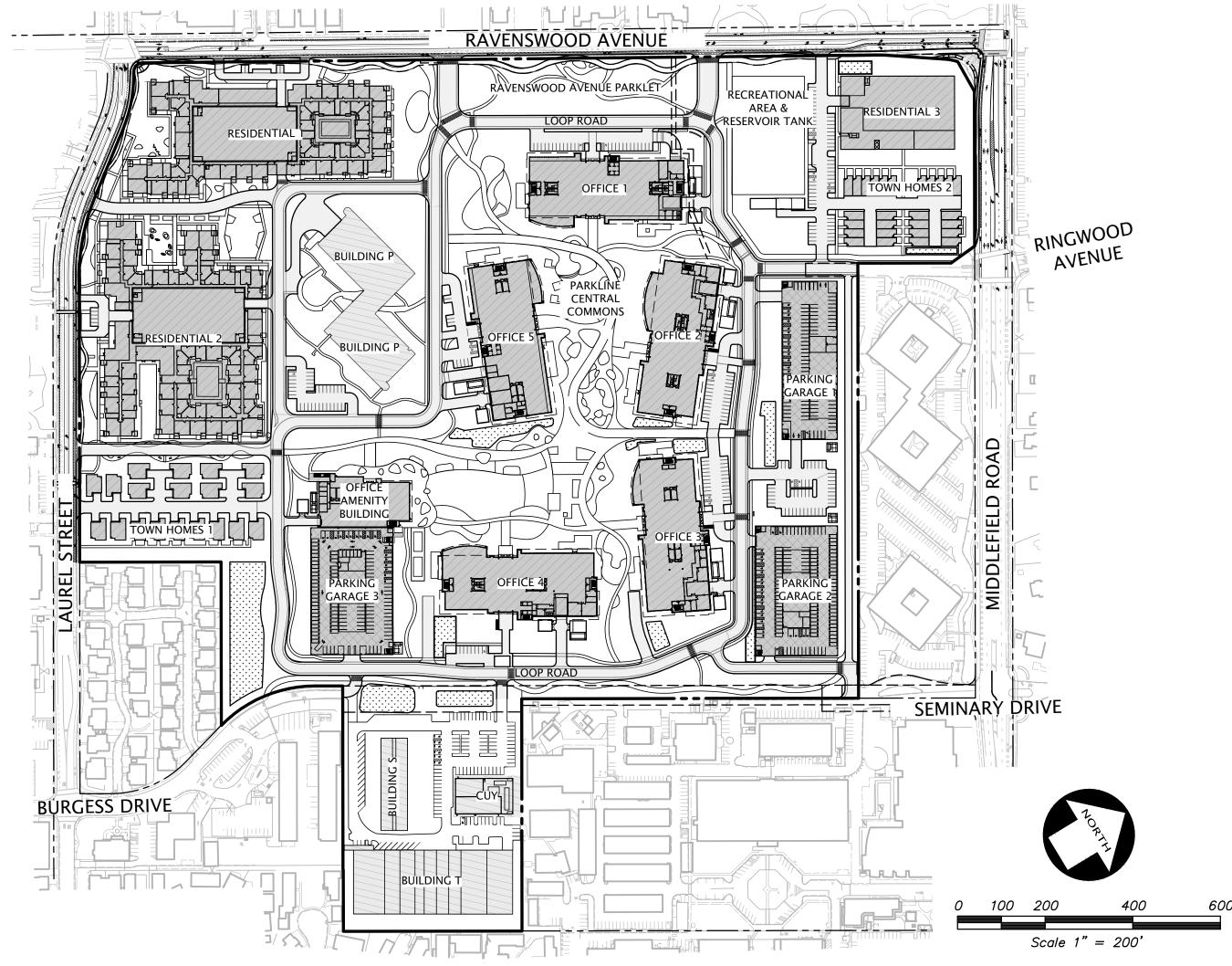
VESTING TENTATIVE MAP

FOR **PARKLINE** 333 RAVENSWOOD AVENUE, MENLO PARK, CA

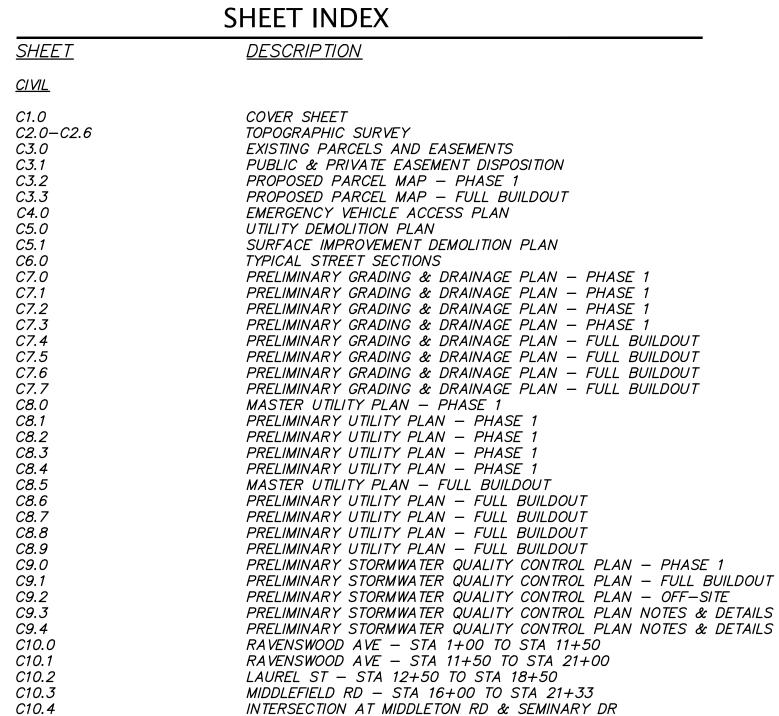
GENERAL NOTES

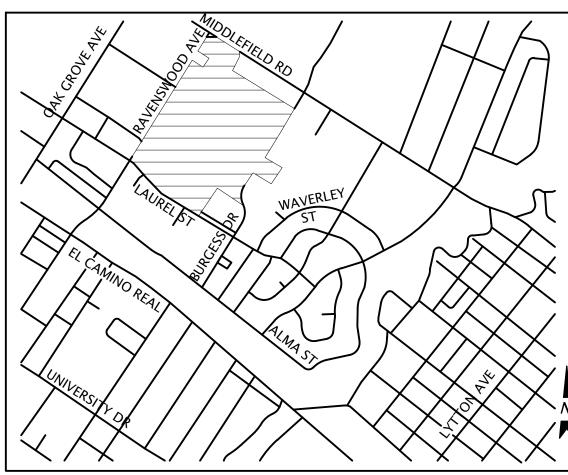
- ANY FRONTAGE IMPROVEMENTS WHICH ARE DAMAGED EITHER AS AN EXISTING CONDITION OR AS A RESULT OF CONSTRUCTION WILL BE REQUIRED TO BE REPLACED. ALL FRONTAGE IMPROVEMENT WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE CITY STANDARD DETAILS.
- 2. REMOVE AND REPLACE ANY CRACKED, DEPRESSED, UPLIFTED, OR OTHERWISE DAMAGED IMPROVEMENTS (I.E. VALLEY GUTTER, PARKING STRIP, CURB. GUTTER. SIDEWALK, ETC.) ALONG THE ENTIRE PROJECT FRONTAGE.
- 3. ANY FRONTAGE IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF CONSTRUCTION WILL BE REQUIRED TO BE REPLACED.
- 4. IRRIGATION WITHIN PUBLIC RIGHT OF WAY SHALL COMPLY WITH CITY STANDARD DETAILS LS-1 THROUGH LS-19 AND SHALL BE CONNECTED TO THE ON-SITE WATER



CIVIL ENGINEER

KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS. INC. ATTN: NEKTARIOS MATHEOU, P.E. 3350 SCOTT BOULEVARD, BUILDING 22 SANTA CLARA, CA 95054 (P) (408) 727–6665





VICINITY MAP

PROJECT DATA

SRI INTERNATIONAL 333 RAVENSWOOD AVENUE MENLO PARK, CA 94025 PHONE: (650) 859-5206 CONTACT: GREG RUSSON

1B. DEVELOPER: LANE PARTNERS, LLC 644 MENLO AVENUE, 2ND FLOOR MENLO PARK, CA 94025

PHONE: (650) 388-6508 CONTACT: MARK MURRAY

KIER & WRIGHT CIVIL ENGINEERS & SURVEYORS, INC. 2. MAP PREPARED BY: 3350 SCOTT BOULEVARD, BUILDING 22 SANTA CLARA, CA 95054

> PHONE: (408) 727-6665 CONTACT: RÓDNEY A. STEWART II, LS 9225

3. APN: 062-390-050; 062-390-660; 062-390-670; 062-390-730; 062-390-760; 062-390-780

OFFICE / RESEARCH & DEVELOPMENT 4. EXISTING USE:

5. PROPOSED USE: OFFICE/RESEARCH & DEVELOPMENT/LIFE SCIENCE

6. EXISTING ZONING: C-1-X

7. PROPOSED ZONING: PENDING FURTHER DISCUSSION WITH CITY STAFF

8. PROPOSED NUMBER OF LOTS: 37

PROPOSED LOT 17 IS FOR CONDO PURPOSES.

MAXIMUM NUMBER OF CONDOMINIUM UNITS IS 27. 11. TOTAL ACREAGE: 64.228± ACRES (GROSS)

12. ALL DISTANCES ARE APPROXIMATE.

13. NO NEW STREET NAMES PROPOSED.

14. THIS TENTATIVE MAP WAS PREPARED FROM INFORMATION FURNISHED IN A PRELIMINARY TITLE REPORT, PREPARED BY FIRST AMERICAN TITLE INSURANCE COMPANY DATED AS OF JANUARY 29. 2021. ORDER NUMBER NCS-1043479-SC. NO LIABILITY IS ASSUMED FOR MATTERS OF RECORD NOT STATED IN SAID REPORT THAT MAY AFFECT THE TITLE LINES, OR EXCEPTIONS, OR EASEMENTS OF THE

15. FLOOD ZONE NOTE:

1A. OWNER:

THE SUBJECT PROPERTY IS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) FOR SAN MATEO COUNTY. CALIFORNIA, MAP NUMBER 06081C0308E FOR COMMUNITY NUMBER 060321 (CITY OF MENLO PARK), WITH AN EFFECTIVE DATE OF OCTOBER 16, 2012, AS BEING LOCATED IN FLOOD ZONE "X (UNSHADED)"

ACCORDING TO FEMA THE DEFINITION OF ZONE "X (UNSHADED)" IS: AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN.

FEMA BASE FLOOD ELEVATIONS ARE BASED ON NAVD88 DATUM.

16. BENCHMARK NGS BENCHMARK Y150

DESCRIPTION: BRASS DISK SET IN CONCRETE HEADWALL AT SAN FRANCISQUITO CREEK, STAMPED "Y150" 58.45 FEET (DATUM: NAVD88)

AT THE INTERSECTION OF MIDDLEFIELD ROAD, PALO ALTO AVENUE AND WOODLAND AVENUE: 18'± NORTH OF THE NORTH EDGE OF MIDDLEFIELD ROAD AT THE SOUTHERLY ANGLE POINT OF THE CONCRETE HEADWALL.

17. BASIS OF BEARINGS:

THE BEARING OF SOUTH 58"15'42" EAST TAKEN ON THE MONUMENT LINE OF MIDDLEDIELD ROAD AS SHOWN ON THAT CERTAIN RECORD OF SURVEY NUMBER 2652 FILED FOR RECORD ON MARCH 12, 2015, IN BOOK 40 OF L.L.S. MAPS AT PAGE 81, OFFICIAL RECORDS OF SAN MATEO COUNTY, WAS TAKEN AS THE BASIS OF ALL BEARINGS SHOWN HEREON.

18. ADDITIONAL PRIVATE EASEMENT NEEDS MAY BE IDENTIFIED IN FURTHER STAGES OF DESIGN, AND WILL BE RECORDED THROUGH SEPARATE INSTRUMENTS. ALL EXISTING EASEMENTS ON-SITE ARE TO BE QUITCLAIMED OR VACATED, UNLESS NOTED OTHERWISE.

19. UTILITIES: STORM DRAIN: SANITARY SEWER:

GAS:

CABLE:

CITY OF MENLO PARK WEST BAY SANITARY DISTRICT WATER SUPPLY: CITY OF MENLO PARK PACIFIC GAS & ELECTRIC COMPANY **ELECTRIC:** PACIFIC GAS & ELECTRIC COMPANY AT&T TELEPHONE: CABLECOM

20. IN ACCORDANCE WITH THE SUBDIVISION MAP ACT, SECTION 66456.1, MULTIPLE FINAL MAPS MAY BE FILED UNDER THE APPROVAL OR CONDITIONAL APPROVAL OF THIS VESTING TENTATIVE MAP. PHASED FINAL MAPS MAY INCLUDE LOTS WHICH CORRESPOND TO PROPOSED BUILDINGS OR THOSE WHICH MAY EXIST IN A PARTICULAR PHASE. THE SUBDIVIDER RESERVES THE RIGHT TO IMPLEMENT THE ORDER OF PHASING AND THE NUMBER OF LOTS TO BE INCLUDED IN ANY SPECIFIC PHASE. LOT NUMBERING MAY DIFFER ON PHASED FINAL MAPS AS LONG AS THE RESPECTIVE LOT CONFIGURATIONS REMAIN SUBSTANTIALLY THE SAME AS SHOWN ON THIS MAP.



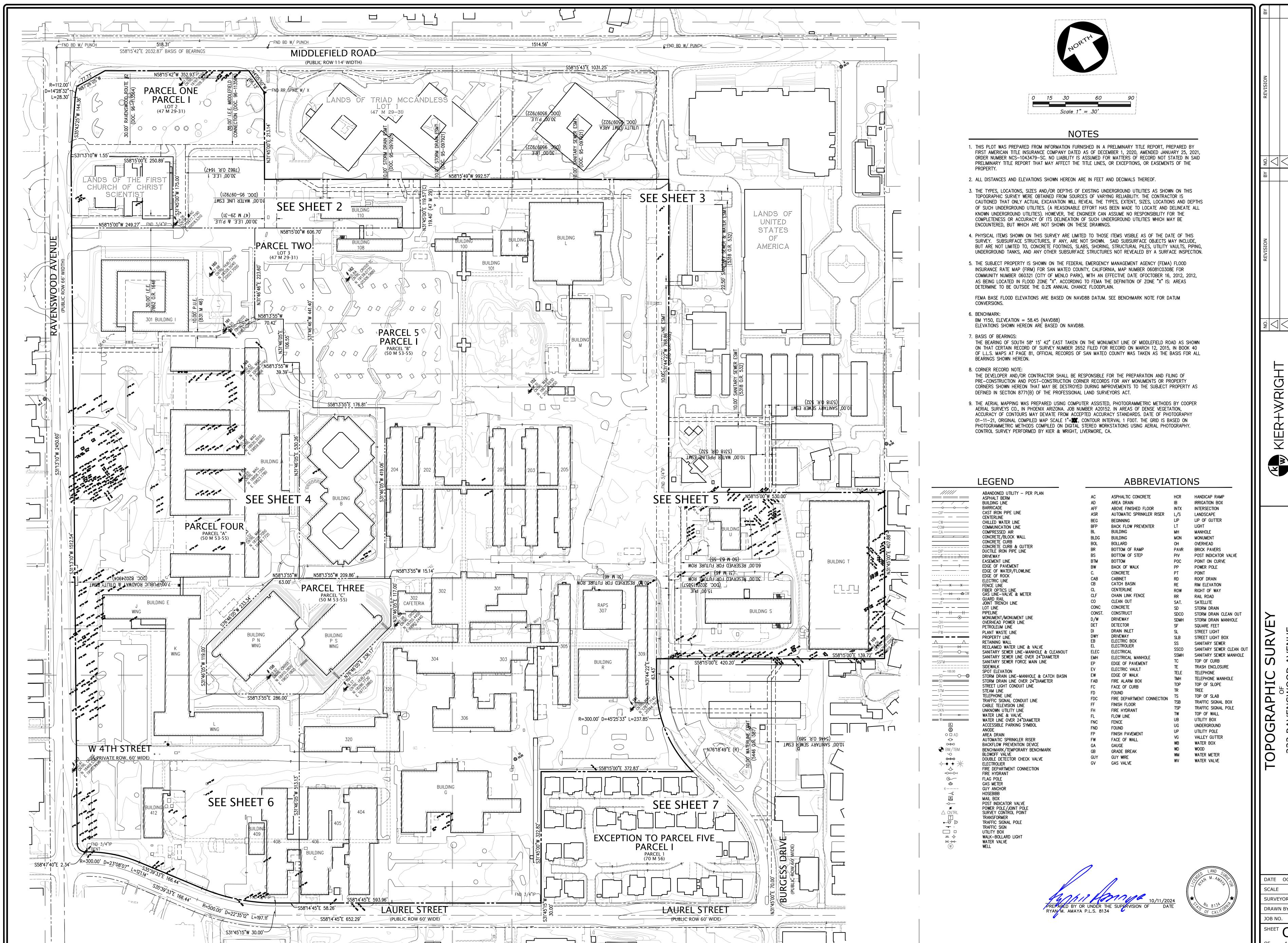




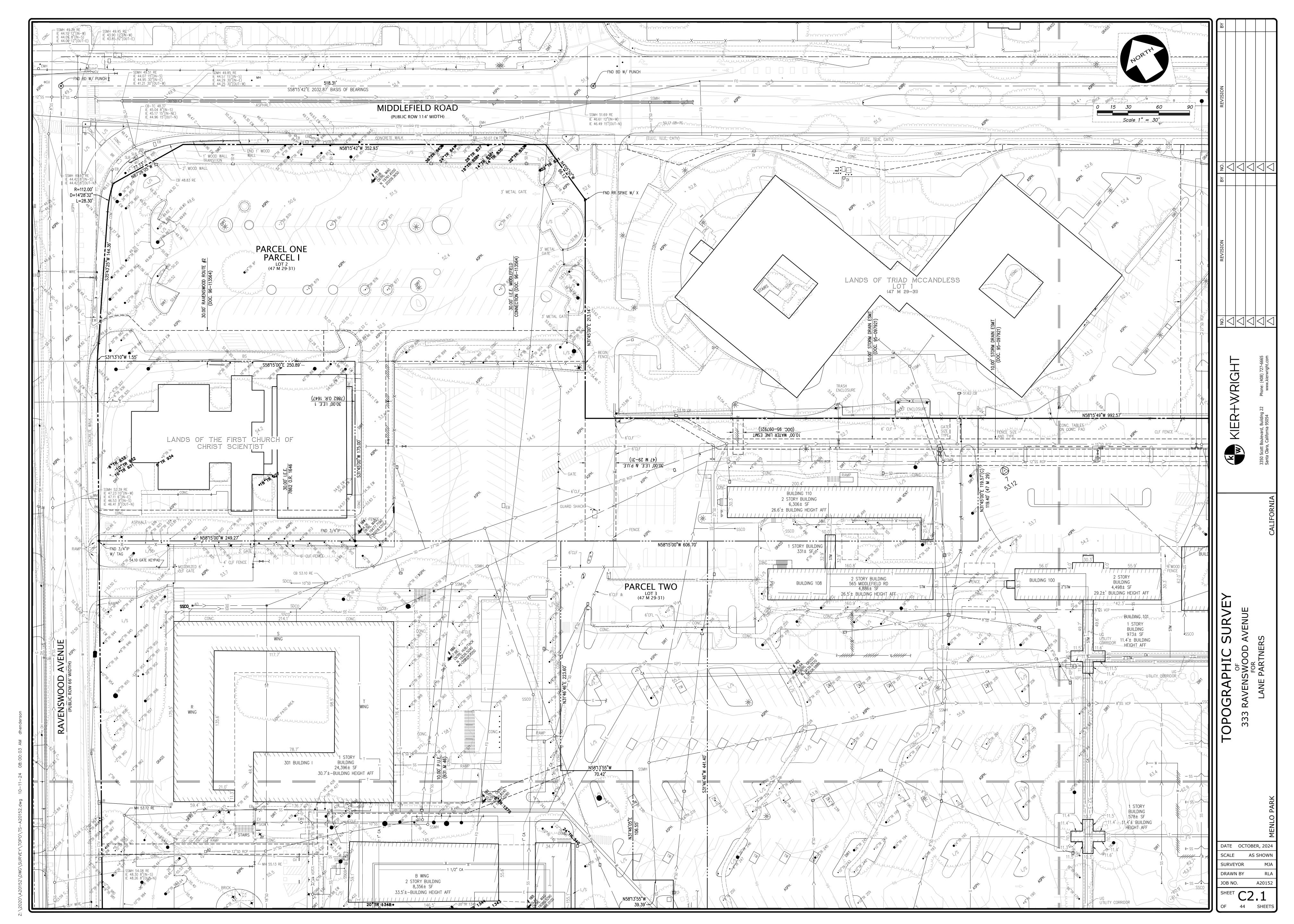


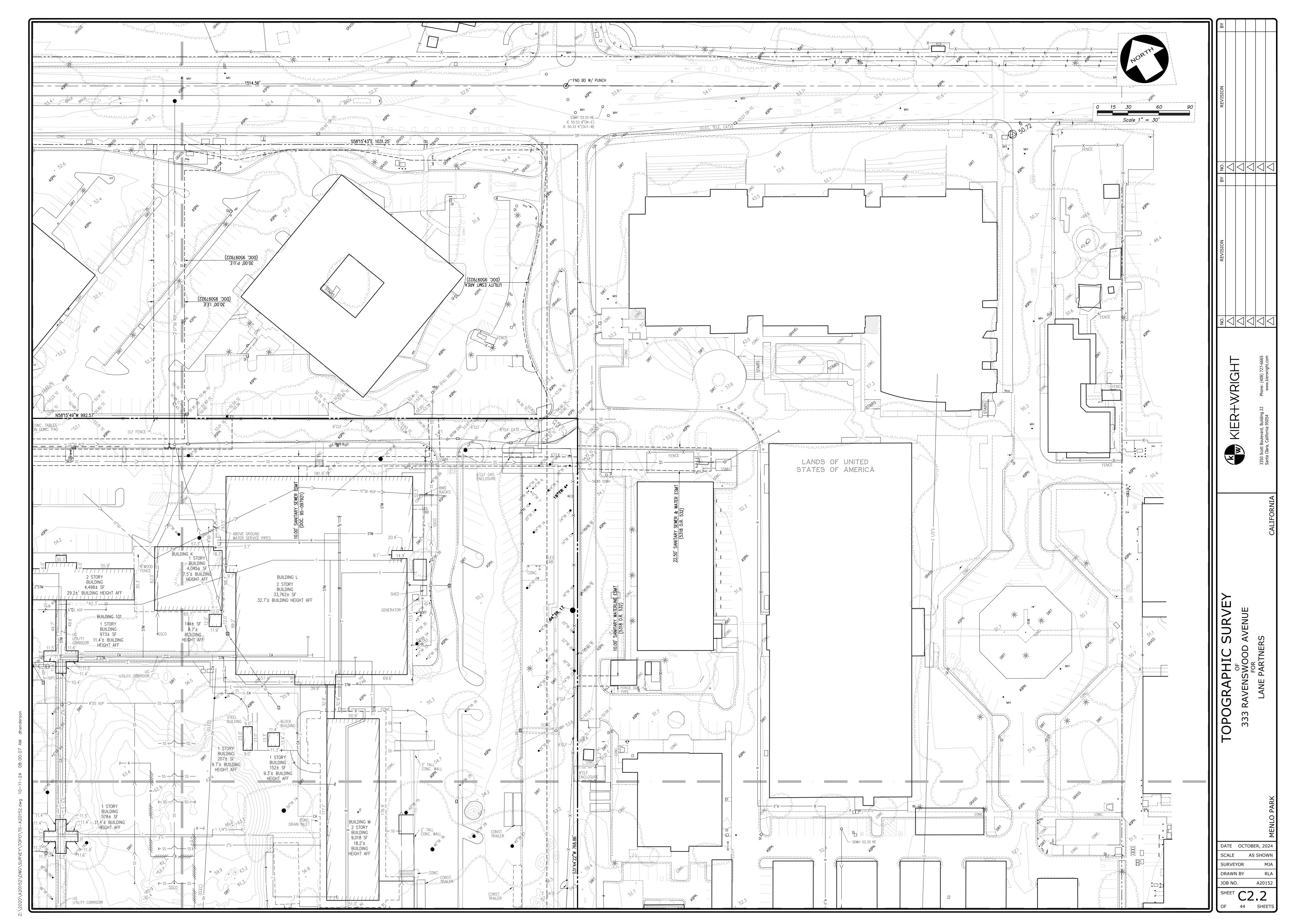


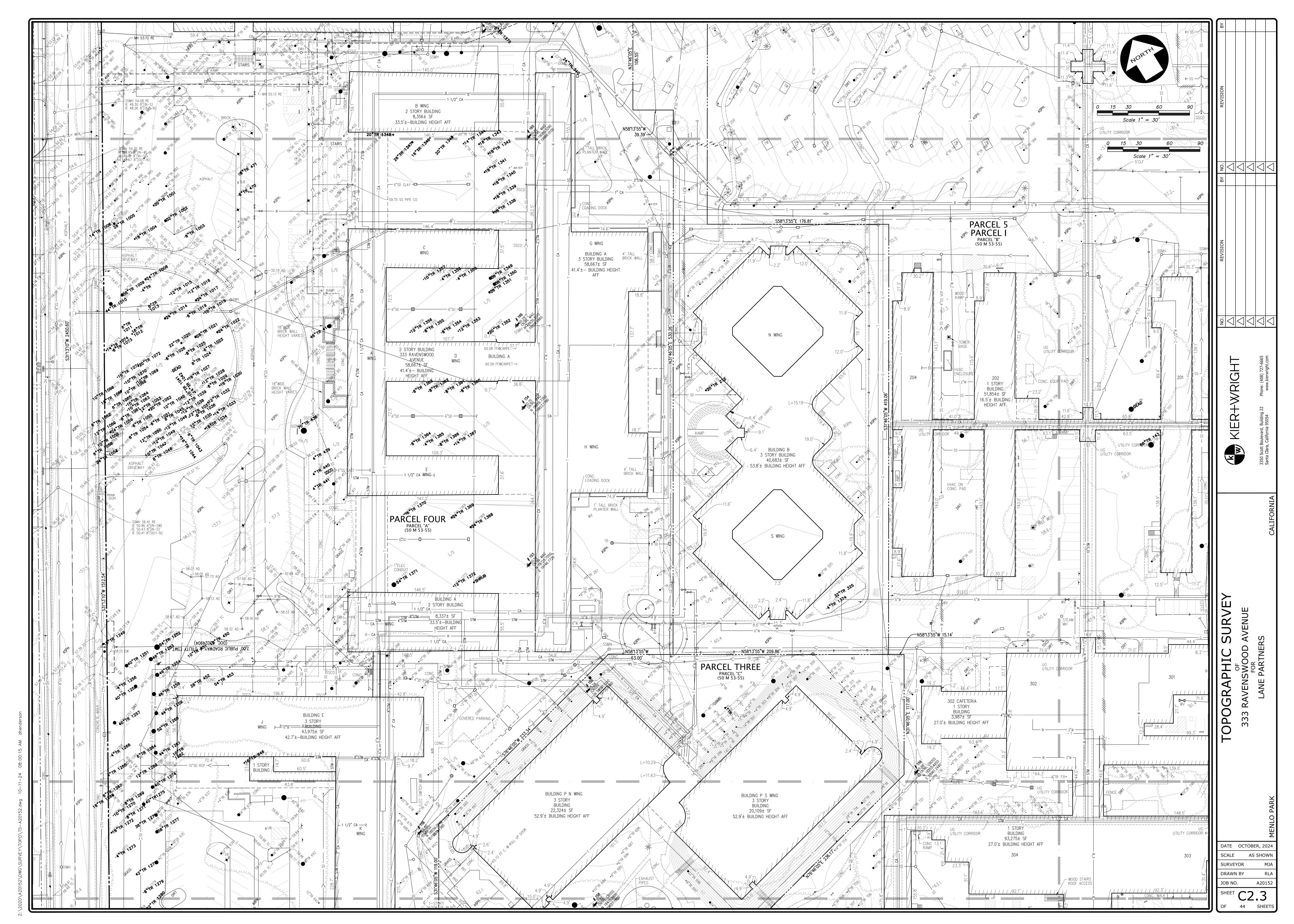
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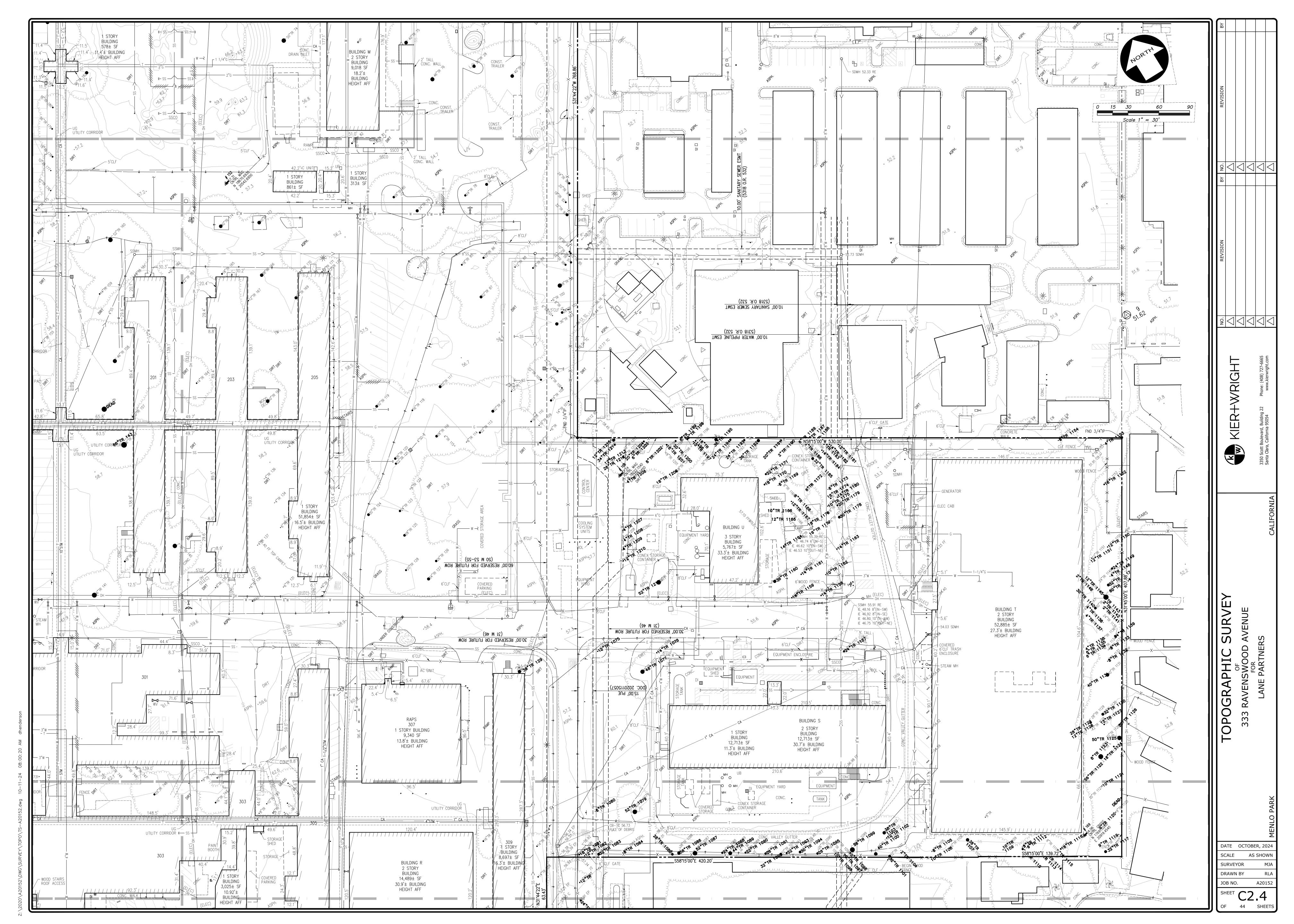


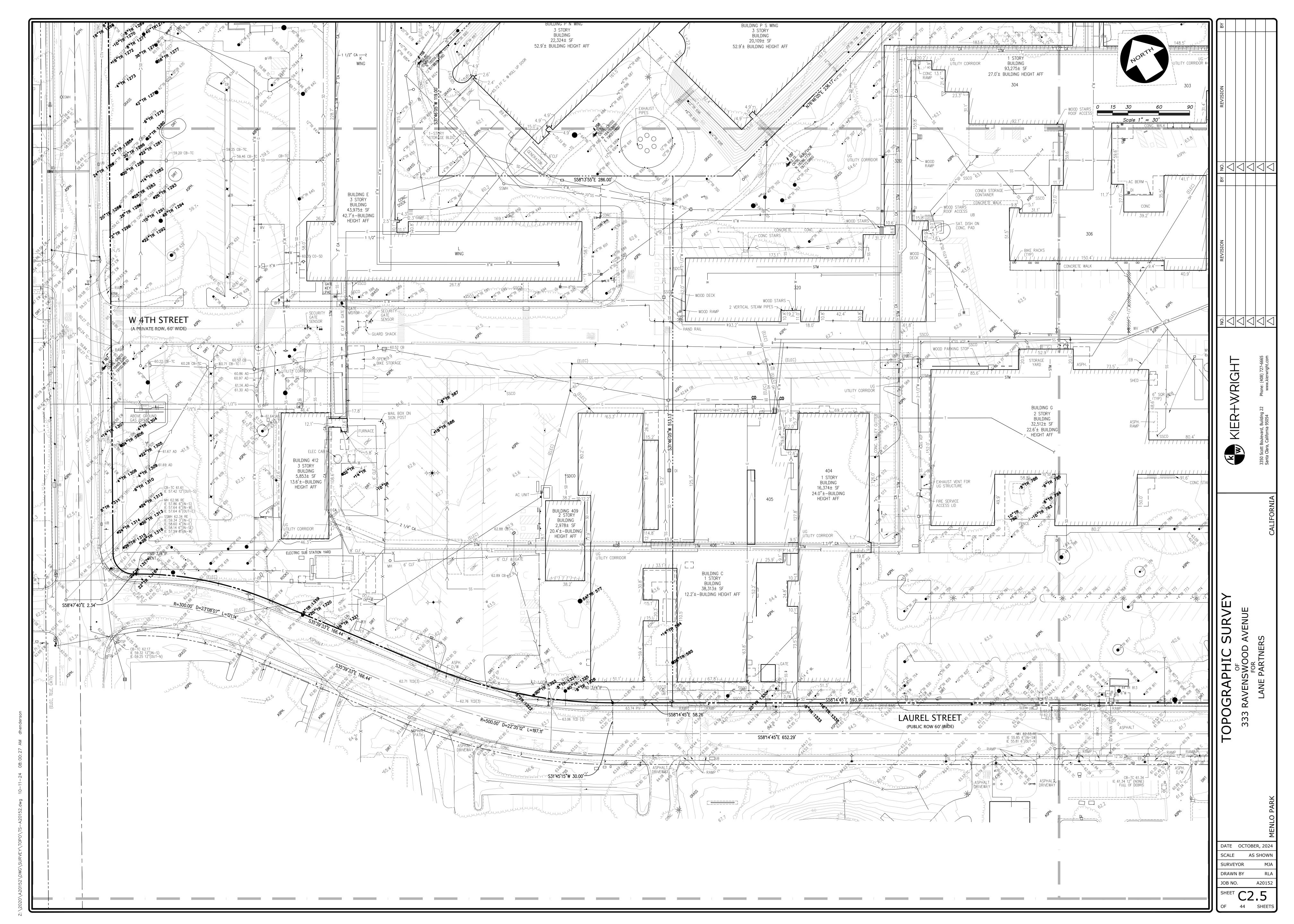
DATE OCTOBER, 2024 SURVEYOR

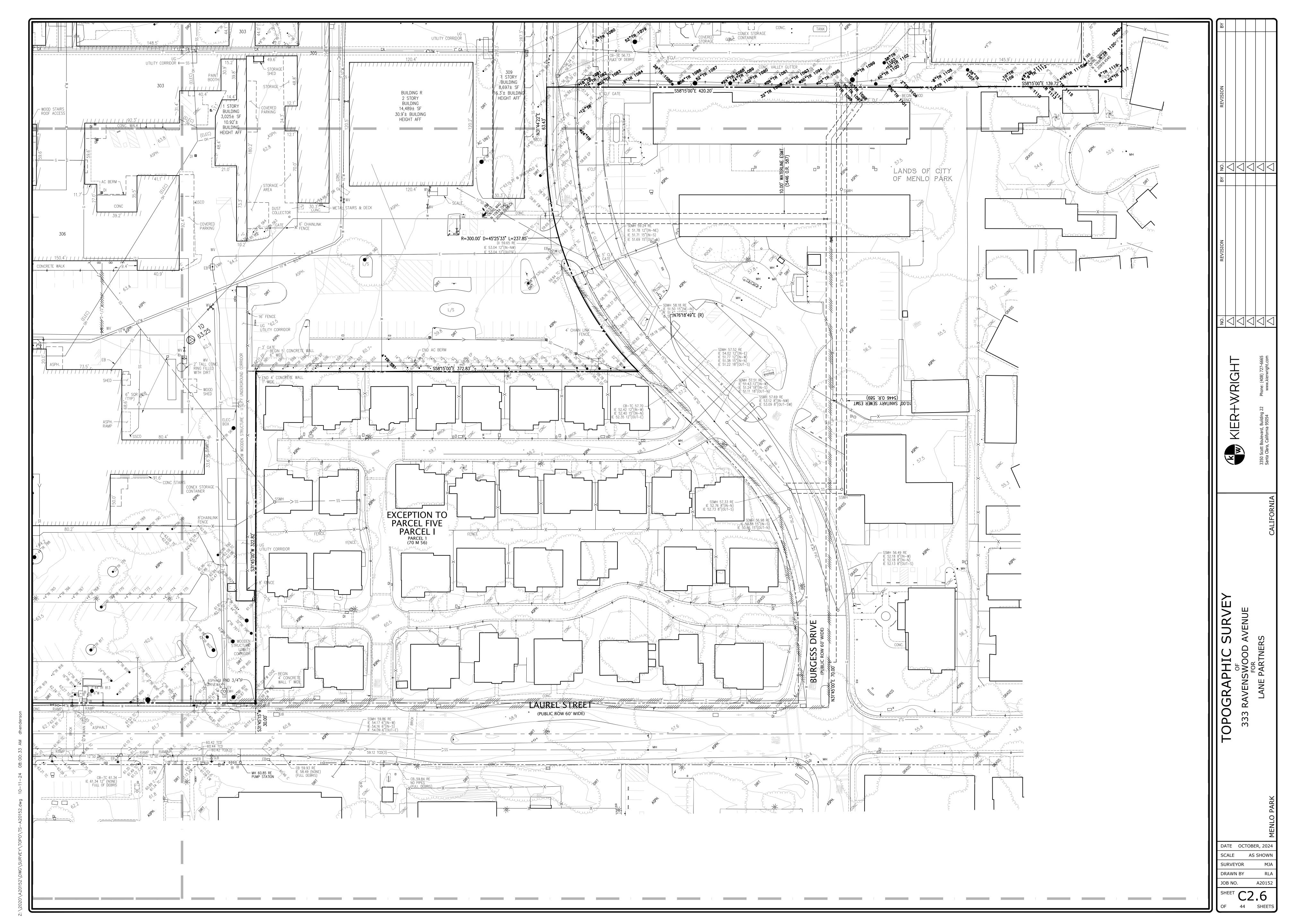


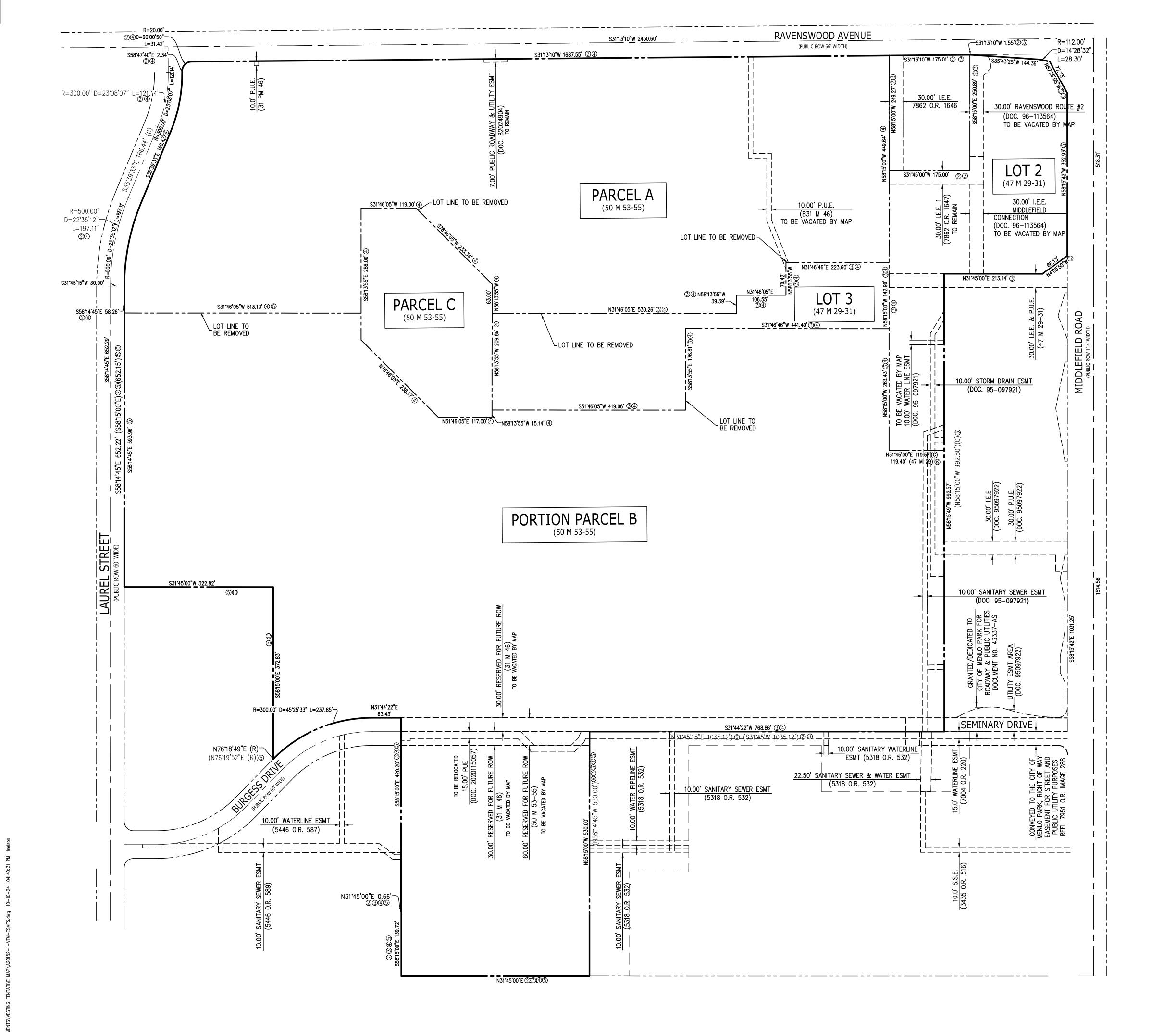












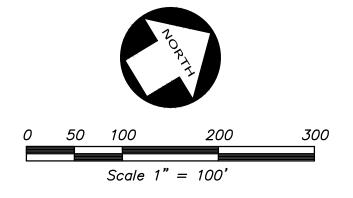


LEGEND & AI	DDKEVIATIONS
	PROPERTY LINE ADJACENT PROPERTY LINE PROPERTY LINE TO BE REMOVED CENTERLINE/MONUMENT LINE, AS NOTED
	EASEMENT LINE
DOC.	DOCUMENT NUMBER
ESMT	EASEMENT
I.E.E.	INGRESS EGRESS EASEMENT
0.R.	OFFICIAL RECORDS
P.S.E.	PUBLIC SERVICE EASEMENT
P.U.E.	PUBLIC UTILITY EASEMENT
R1	REFERENCE MAP NUMBER
R/W	RIGHT OF WAY
S.W.E.	SIDEWALK EASEMENT

TOTAL

	REFEREN	ICES
	_	
)	RECORD OF SURVEY	3 LLS 66
)	PARCEL MAP	31 PM 46
)	PARCEL MAP	47 PM 29-31
)	PARCEL MAP	50 PM 53-55
)	PARCEL MAP	70 PM 56-58
)	RECORD OF SURVEY	14 LLS 110
)	PARCEL MAP	80 PM 45-46
)	JUDGEMENT	1081 OR 75
)	RECORD OF SURVEY	36 LLS 84
)	SUBDIVISION MAP	128 M 50-52

126 M 35-420



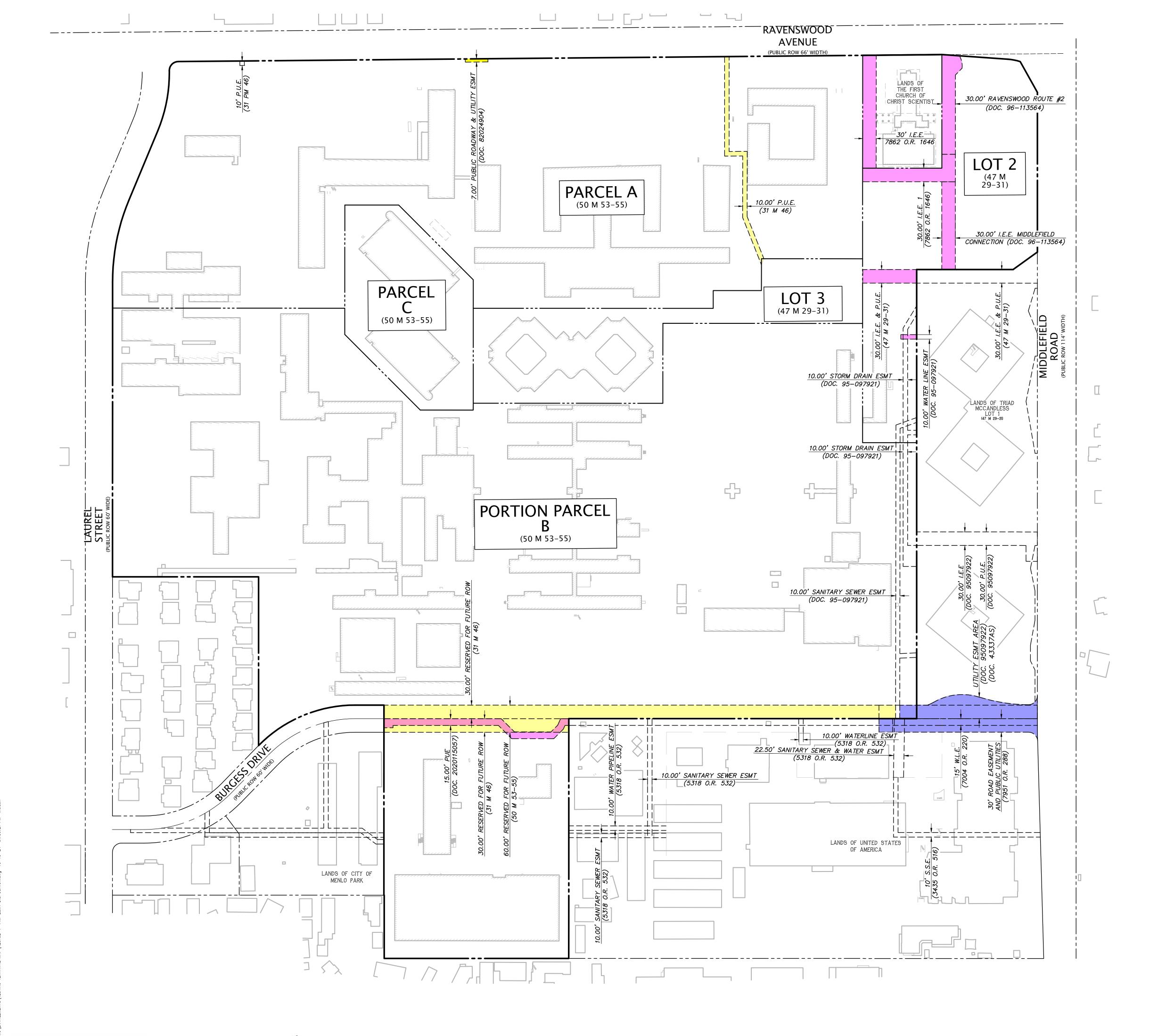


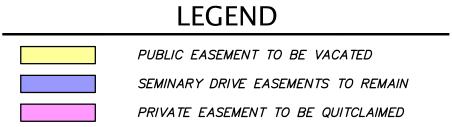


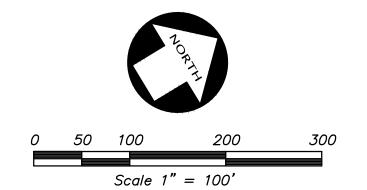










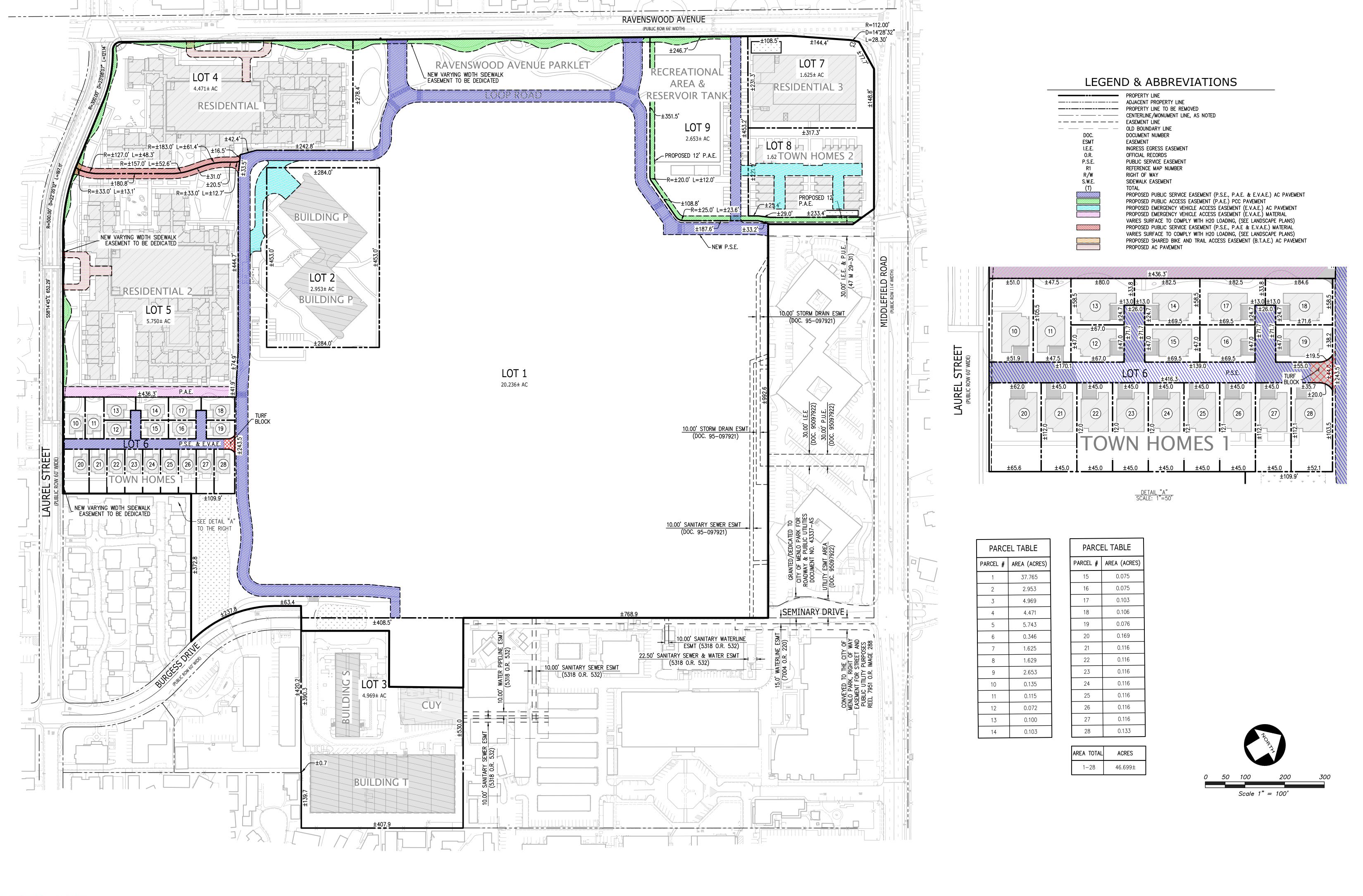










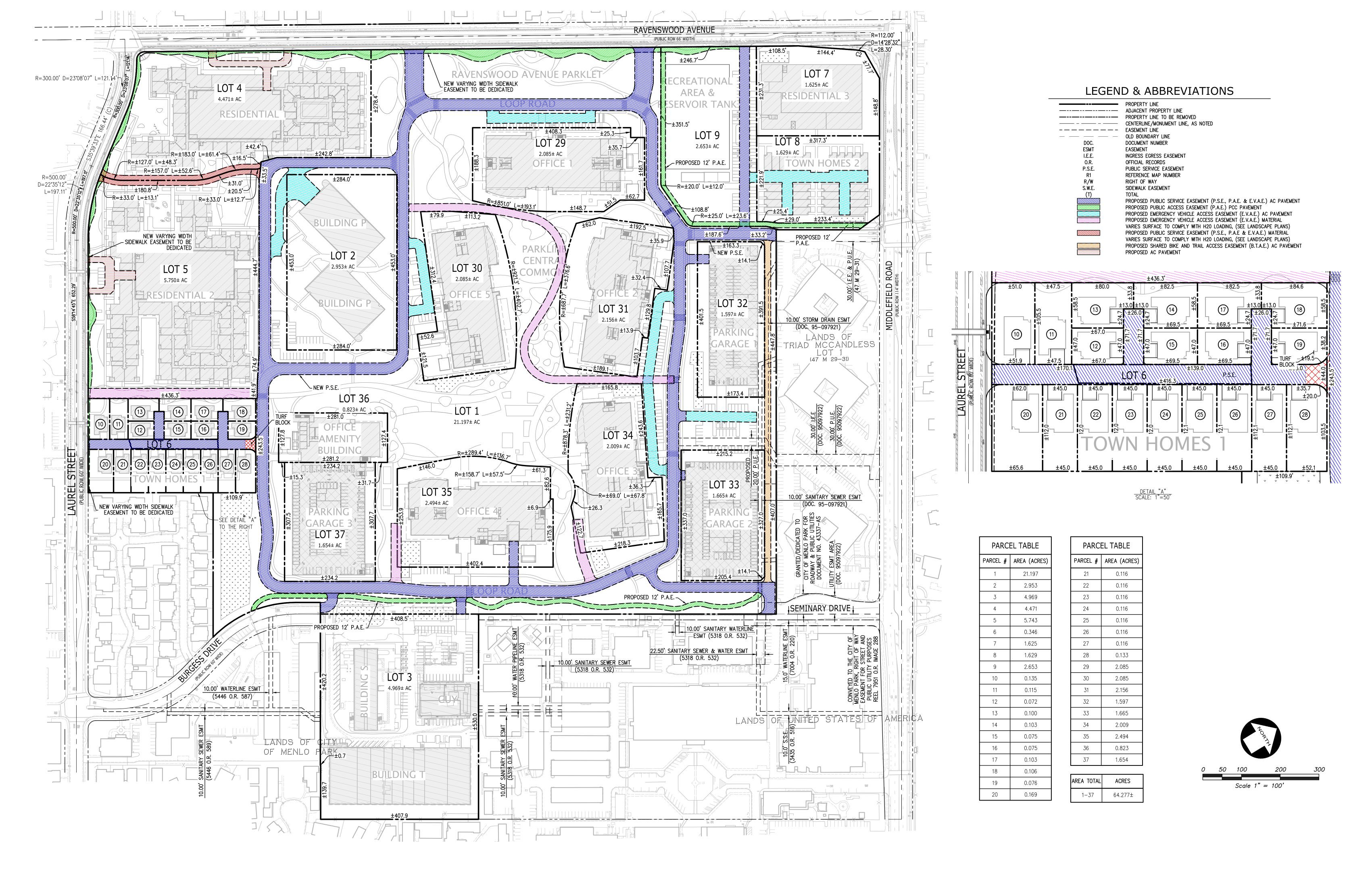


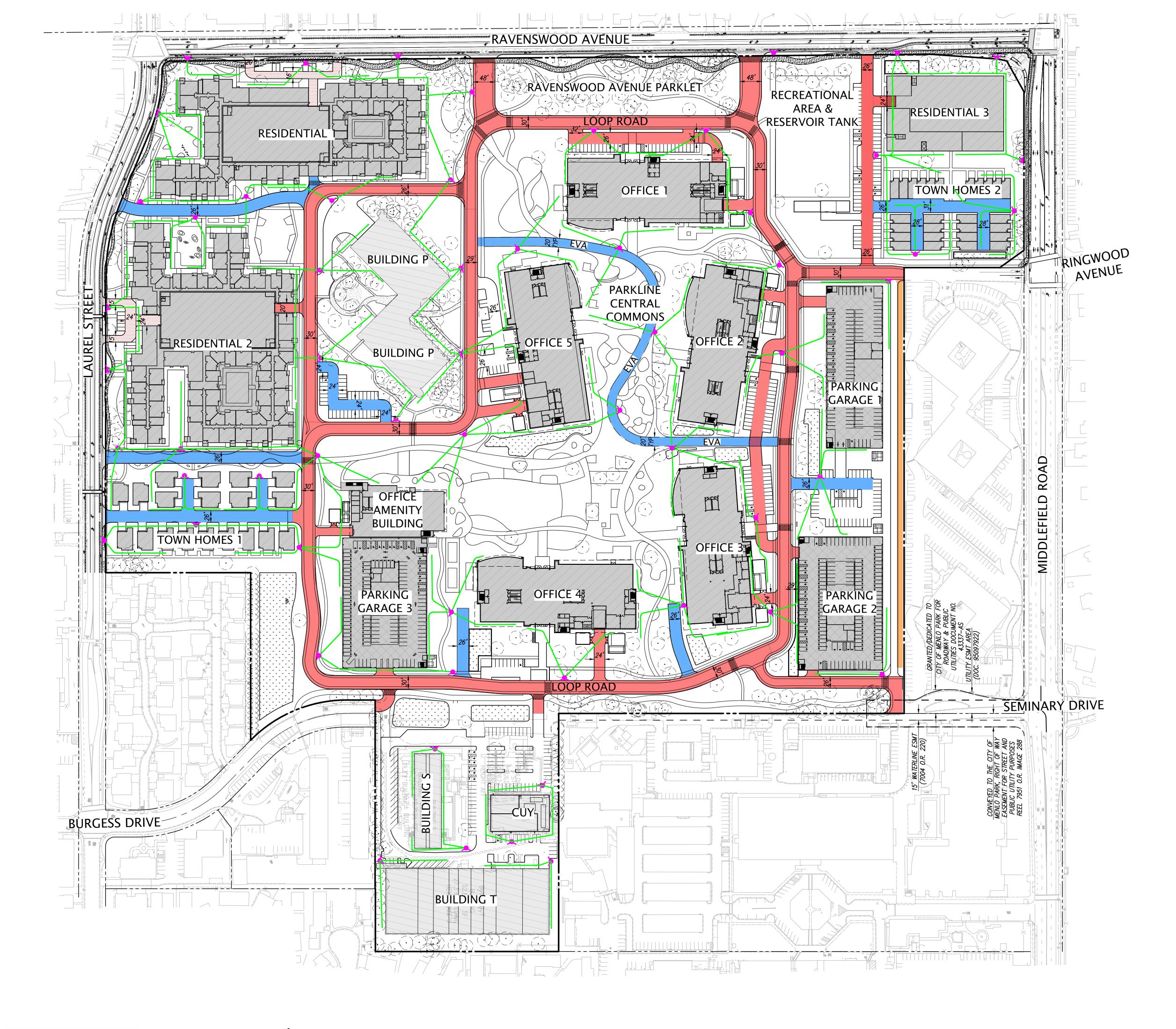


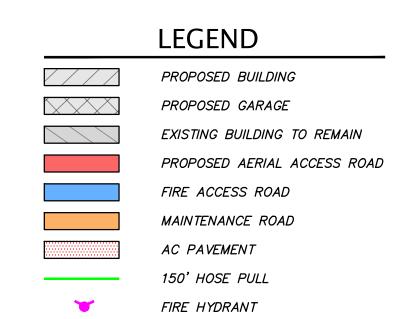


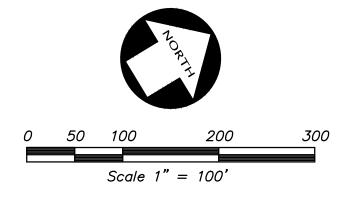












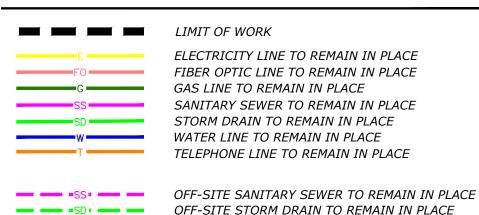








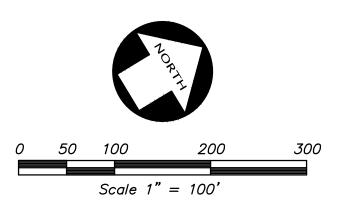
DEMOLITION LEGEND



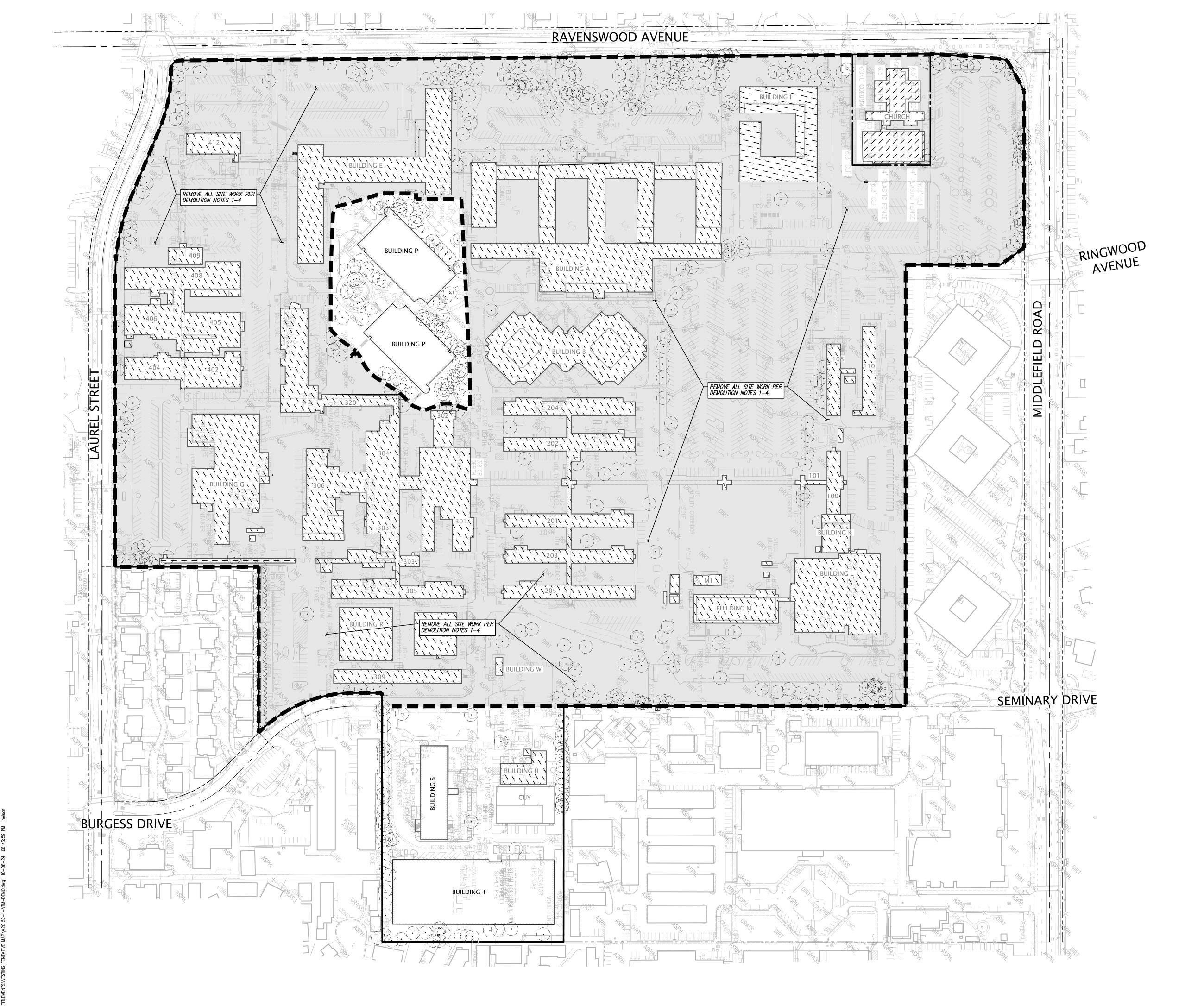
DEMOLITION NOTES

OFF-SITE WATER LINE TO REMAIN IN PLACE

- 1. DEMOLITION SHALL INCLUDE THE REMOVAL ALL UTILITIES NOT DESIGNATED FOR PROTECTION WITHIN PROJECT LIMITS. WORK SHALL INCLUDE REMOVAL OF ALL SURFACE AND SUBSURFACE APPURTENANCES PERTAINING TO THAT UTILITY.
- 2. REMOVE ALL IRRIGATION WITHIN LIMIT OF WORK.
- 3. ALL UNUSED PUBLIC UTILITY LATERALS WITHIN THE CITY RIGHT-OF-WAY SHALL BE REMOVED AND CAPPED AT THE MAIN. ALL UNUSED UTILITIES THAT TERMINATE AT THE LIMITS OF DEMOLITION SHALL BE CAPPED ACCORDINGLY.
- 4. ALL OVERHEAD LINES SHALL BE REMOVED INCLUDING POLES AND ALL APPURTENANCES PERTAINING TO THE OVERHEAD LINE.
- 5. ALL UTILITY SYSTEMS, INCLUDING OVERHEAD LINES, THAT CURRENTLY SERVE EXISTING BUILDINGS WITHIN THE HISTORICAL EASEMENT AREA WILL NEED TO BE EVALUATED FOR RELOCATION BEFORE BEING TAKEN OUT OF SERVICE AND REMOVED UNDER THE PROPOSED PROJECT SCOPE OF DEMOLITION WORK.



PARKLINE LANE PARTNERS DISCO SRI STUDIOS OJB WEIGHT IN LUMA 2024.10.10 UTILITY DEMOLITION PLAN



DEMOLITION LEGEND

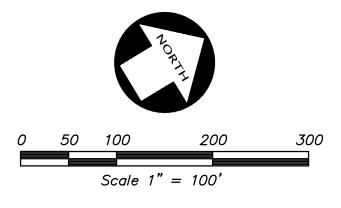
EXISTING TREE TO REMAIN, PROTECT IN PLACE LIMIT OF WORK

REMOVE EXISTING BUILDING, UNDERSLAB UTILITIES AND FOUNDATION IN ENTIRETY.
REFER TO ARCHITECTURAL BUILDING DEMOLITION PLAN

AREA OF SITEWORK DEMOLITION

DEMOLITION NOTES

- 1. REMOVE ALL LANDSCAPE GROUND COVER AND SHRUBS WITHIN PROJECT LIMIT OF WORK.
- 2. REFER TO PLANS BY LANDSCAPE ARCHITECT FOR TREE DISPOSITION PLAN FOR TREES TO BE REMOVED, PROTECTED OR RELOCATED. TREE PROTECTION SHALL BE PROVIDED PER CITY OF MENLO PARK HERITAGE TREE AND CITY PROTECTION SPECIFICATIONS FOR CONSTRUCTION. DEMOLITION PLANS SHOWS APPROXIMATE LOCATION OF EXISTING TREES TO REMAIN.
- 3. REMOVE EXISTING BUILDING, UNDERSLAB UTILITIES AND FOUNDATION IN ENTIRETY. REFER TO ARCHITECTURAL BUILDING DEMOLITION PLAN.
- 4. SITEWORK DEMOLITION SHALL INCLUDE THE REMOVAL OF ALL CONCRETE, AC PAVEMENT, BASE ROCK SUBGRADE, AND SURFACE UTILITIES (NOT DESIGNATED FOR PROTECTION) WITHIN PROJECT LIMIT OF WORK.



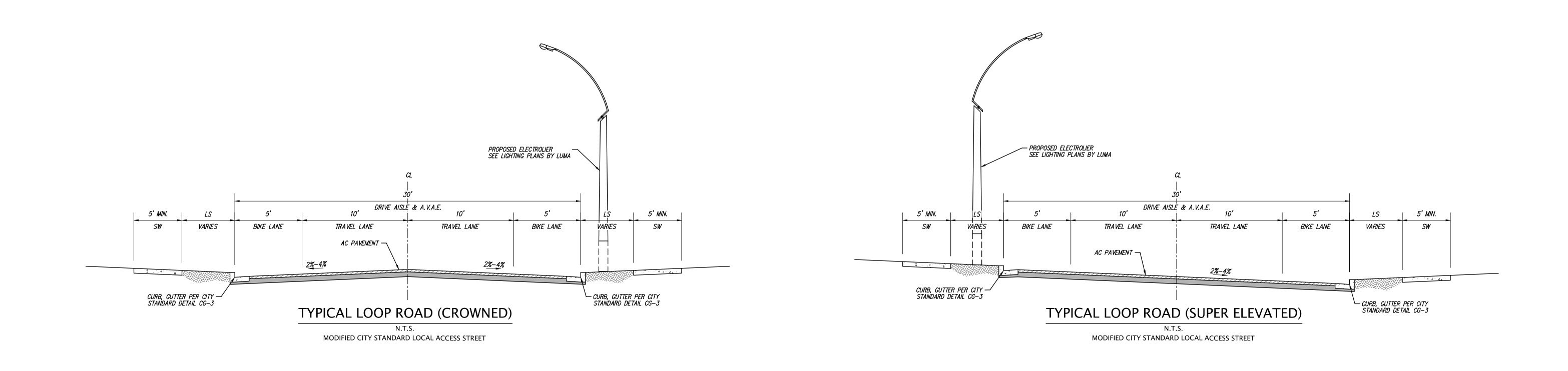


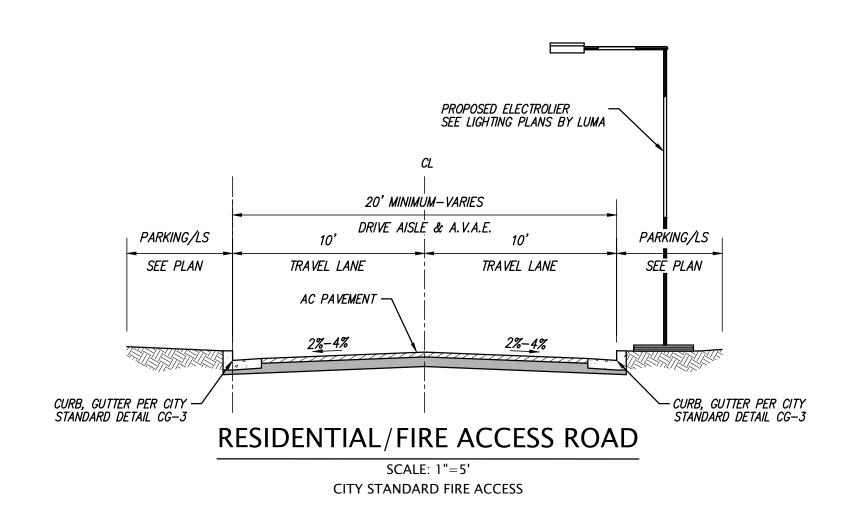














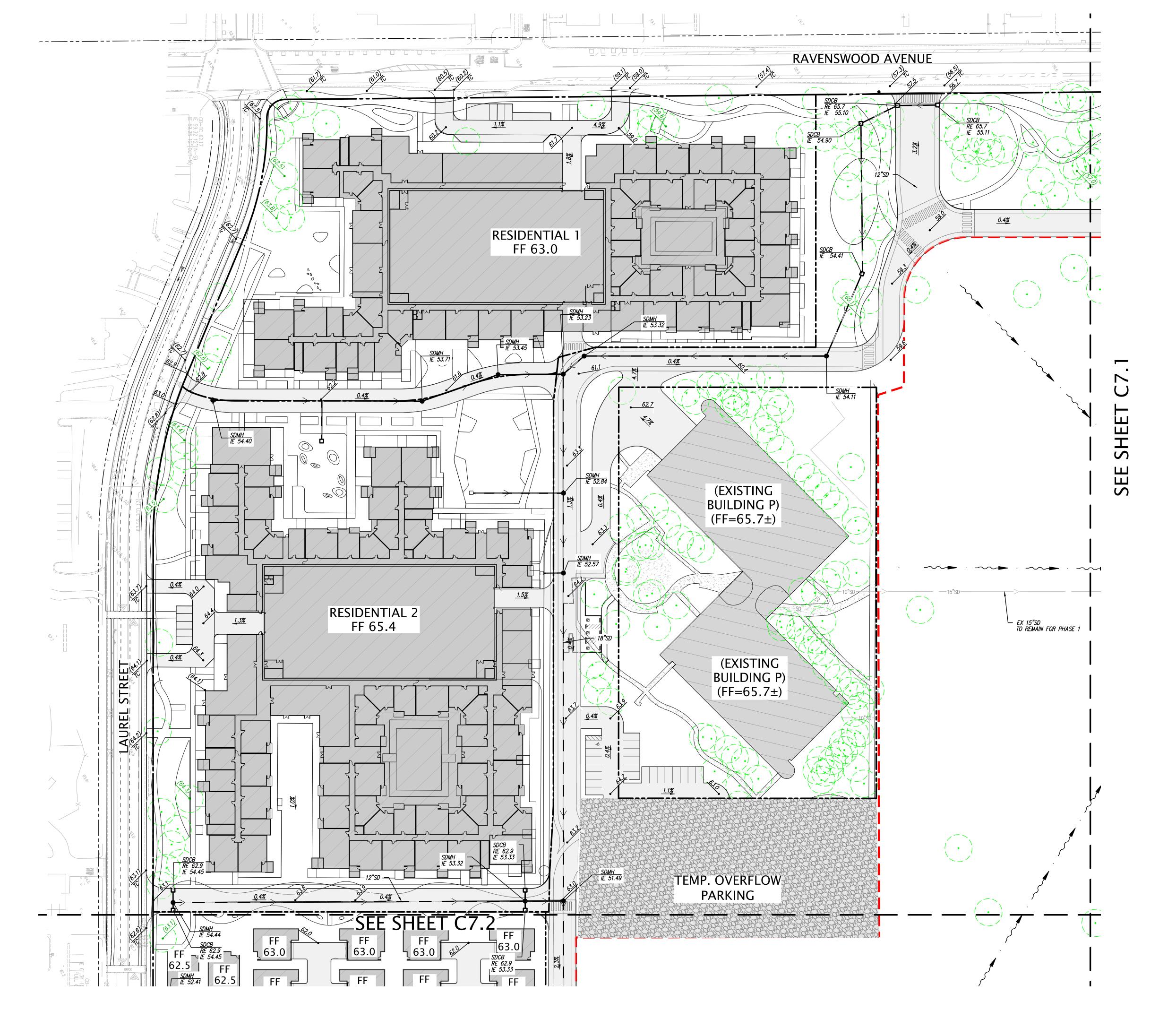








TYPICAL STREET SECTIONS



LEGEND AREA DRAIN STORM DRAIN CATCH BASIN STORM DRAIN JUNCTION BOX STORM DRAIN MANHOLE FLOW LINE FINISH FLOOR PAVEMENT RIM ELEVATION SPOT ELEVATION (XX.X) ELEVATION OF EX. TREE TO REMAIN EXISTING GRADE STORM DRAIN LINE TOP OF CURB PROPOSED BUILDING PROPOSED GARAGE EXISTING BUILDING TO REMAIN

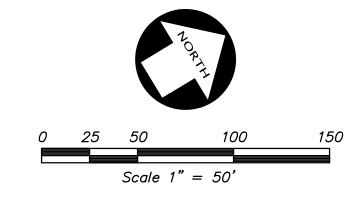
BIO-RETENTION BASIN

TREE

PHASE LINE

TEMPORARY GRAVEL CLASS HAB OVERFLOW PARKING

- 1. GRADES WITHIN THE FIRST 10 FEET ADJACENT TO A STRUCTURE MUST HAVE A 5% SLOPE ON PERVIOUS SURFACES, AND A 2% SLOPE ON IMPERVIOUS SURFACES PER \$1804.A3 OF THE CALIFORNIA BUILDING CODE (CBC).
- 2. UNDER NO CIRCUMSTANCE SHALL DRAINAGE RESULTING FROM THIS PROJECT, DURING OR POST CONSTRUCTION, DIRECTLY SHEETFLOW ACROSS AN ADJOINING PROPERTY. RUNOFF SHALL BE CONTAINED ON-SITE UP TO THE 10-YEAR STORM.



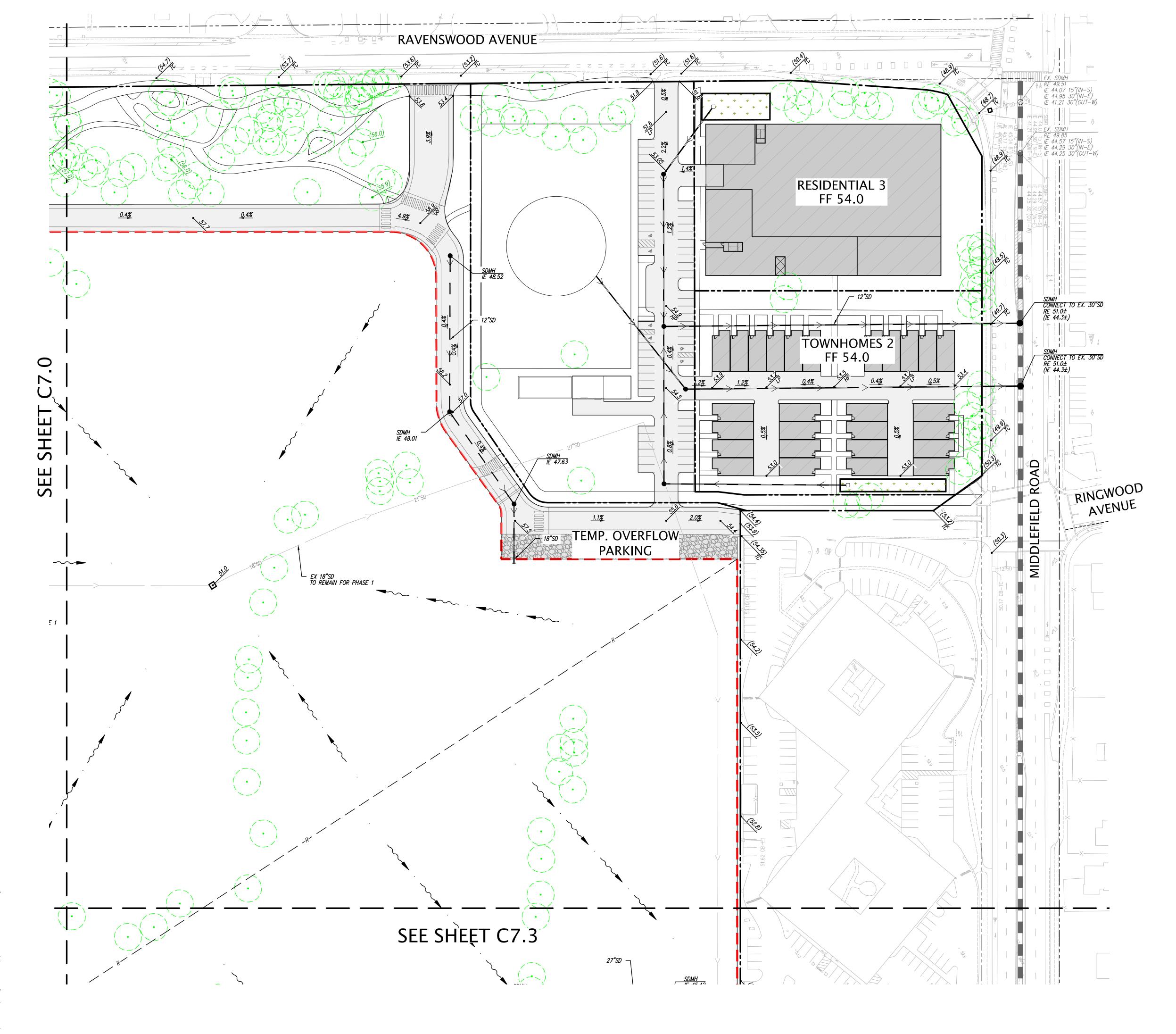












LEGEND AREA DRAIN STORM DRAIN CATCH BASIN STORM DRAIN JUNCTION BOX STORM DRAIN MANHOLE FLOW LINE FINISH FLOOR PAVEMENT RIM ELEVATION SPOT ELEVATION ELEVATION OF EX. TREE TO REMAIN EXISTING GRADE STORM DRAIN LINE TOP OF CURB PROPOSED BUILDING PROPOSED GARAGE EXISTING BUILDING TO REMAIN

BIO-RETENTION BASIN

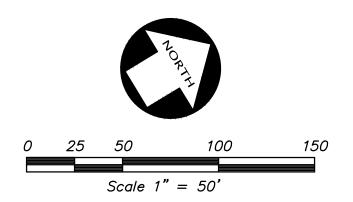
TEMPORARY GRAVEL CLASS HAB OVERFLOW PARKING

NOTES

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PHASE LINE

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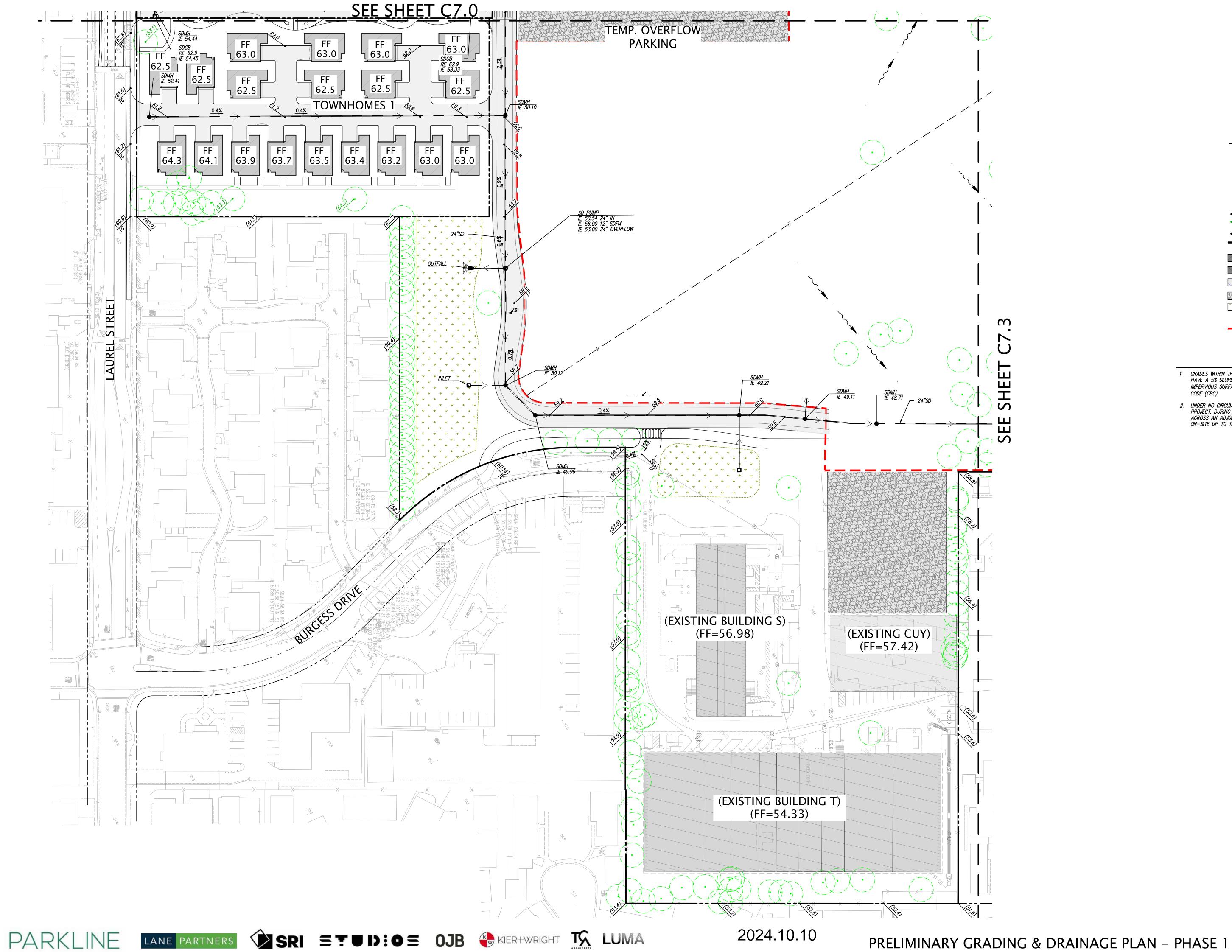










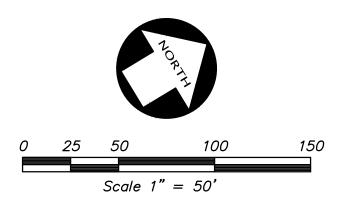


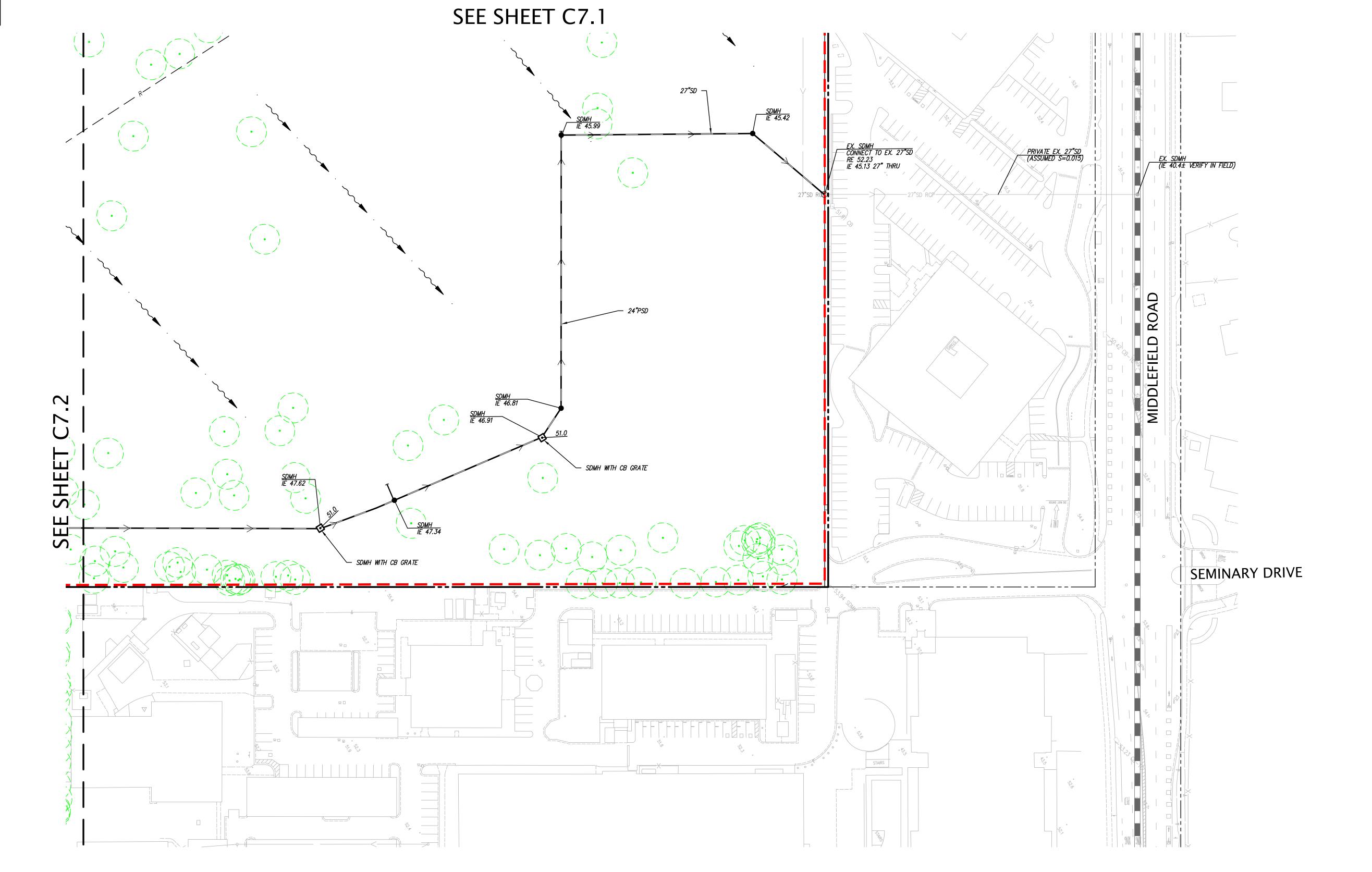
LEGEND AREA DRAIN STORM DRAIN CATCH BASIN STORM DRAIN JUNCTION BOX STORM DRAIN MANHOLE FLOW LINE FINISH FLOOR PAVEMENT RIM ELEVATION SPOT ELEVATION ELEVATION OF EX. TREE TO REMAIN EXISTING GRADE STORM DRAIN LINE TOP OF CURB PROPOSED BUILDING PROPOSED GARAGE EXISTING BUILDING TO REMAIN TEMPORARY GRAVEL CLASS HAB OVERFLOW PARKING BIO-RETENTION BASIN

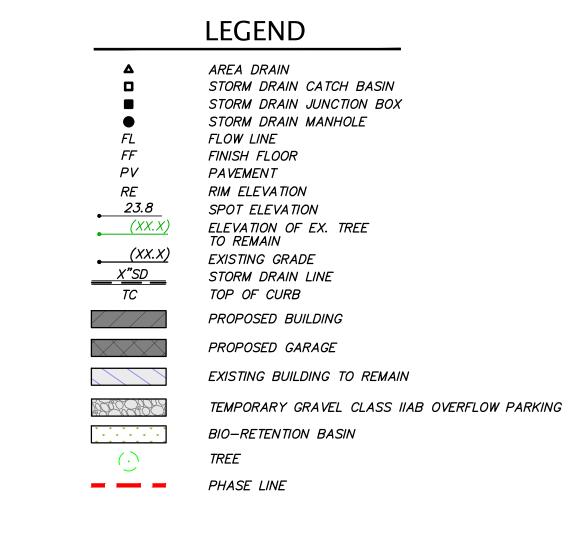
NOTES

PHASE LINE

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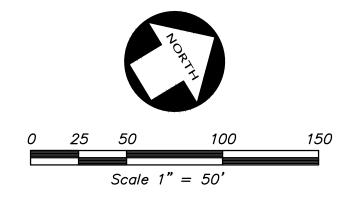




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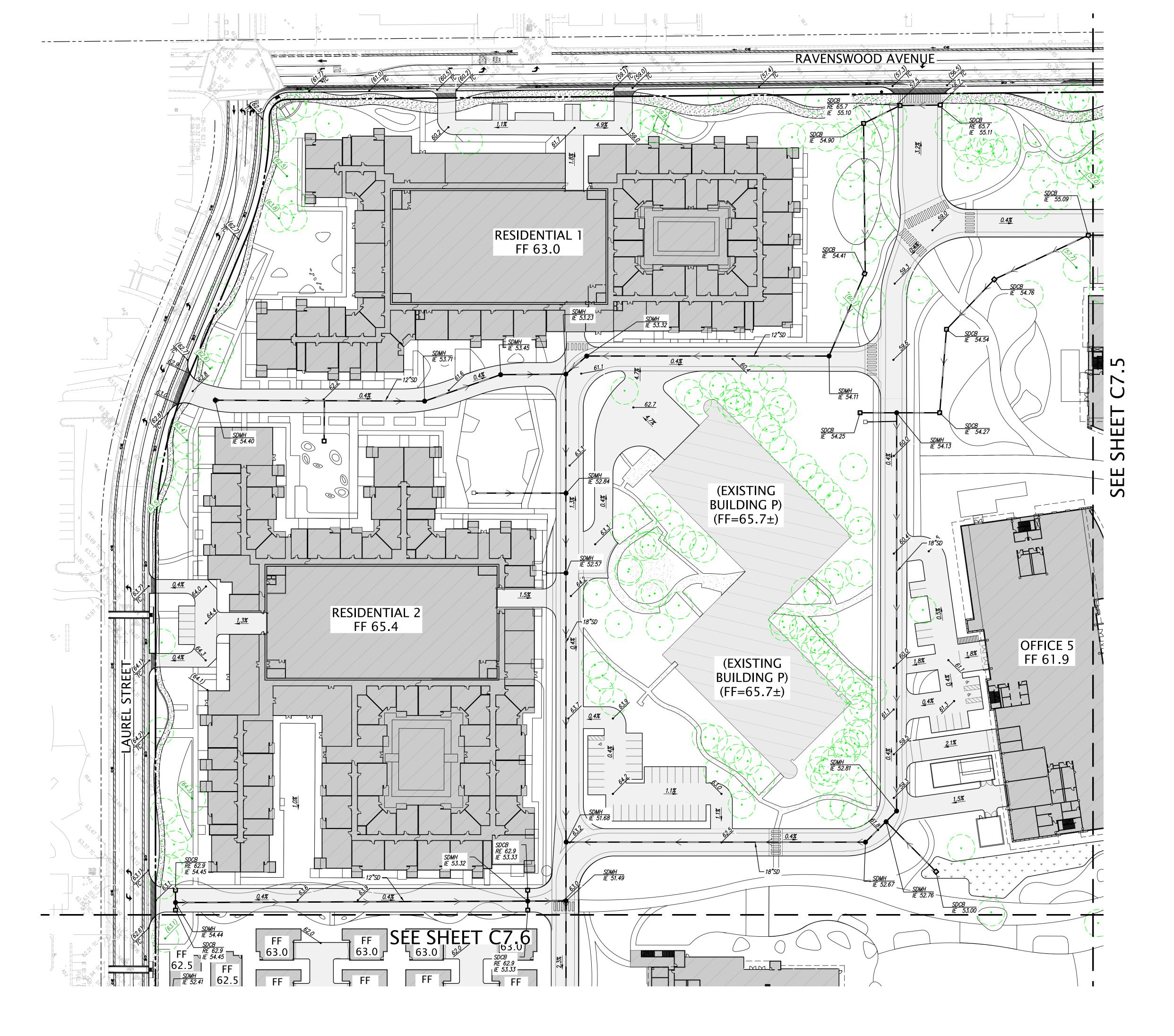






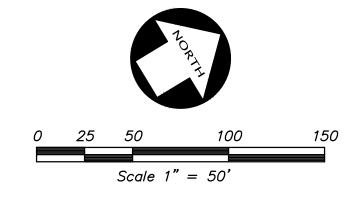






AREA DRAIN STORM DRAIN CATCH BASIN STORM DRAIN JUNCTION BOX STORM DRAIN MANHOLE FLOW LINE FINISH FLOOR PAVEMENT RIM ELEVATION SPOT ELEVATION (XX.X) ELEVATION OF EX. TREE TO REMAIN EXISTING GRADE STORM DRAIN LINE TOP OF CURB PROPOSED BUILDING PROPOSED GARAGE EXISTING BUILDING TO REMAIN TEMPORARY GRAVEL OVERFLOW PARKING BIO-RETENTION BASIN TREE

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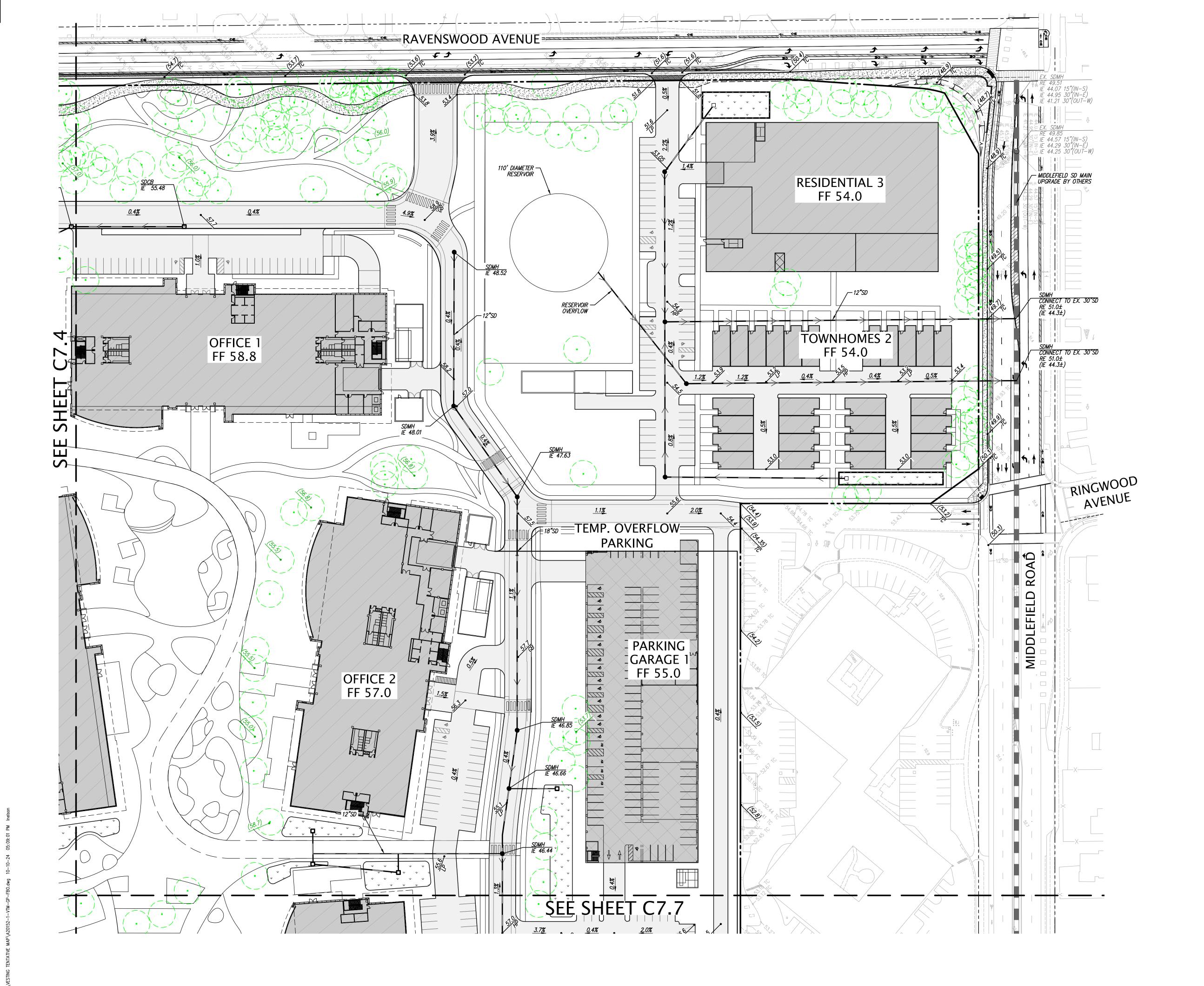






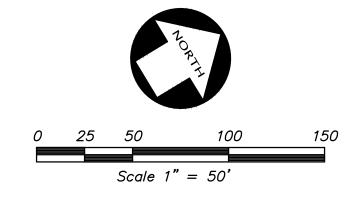






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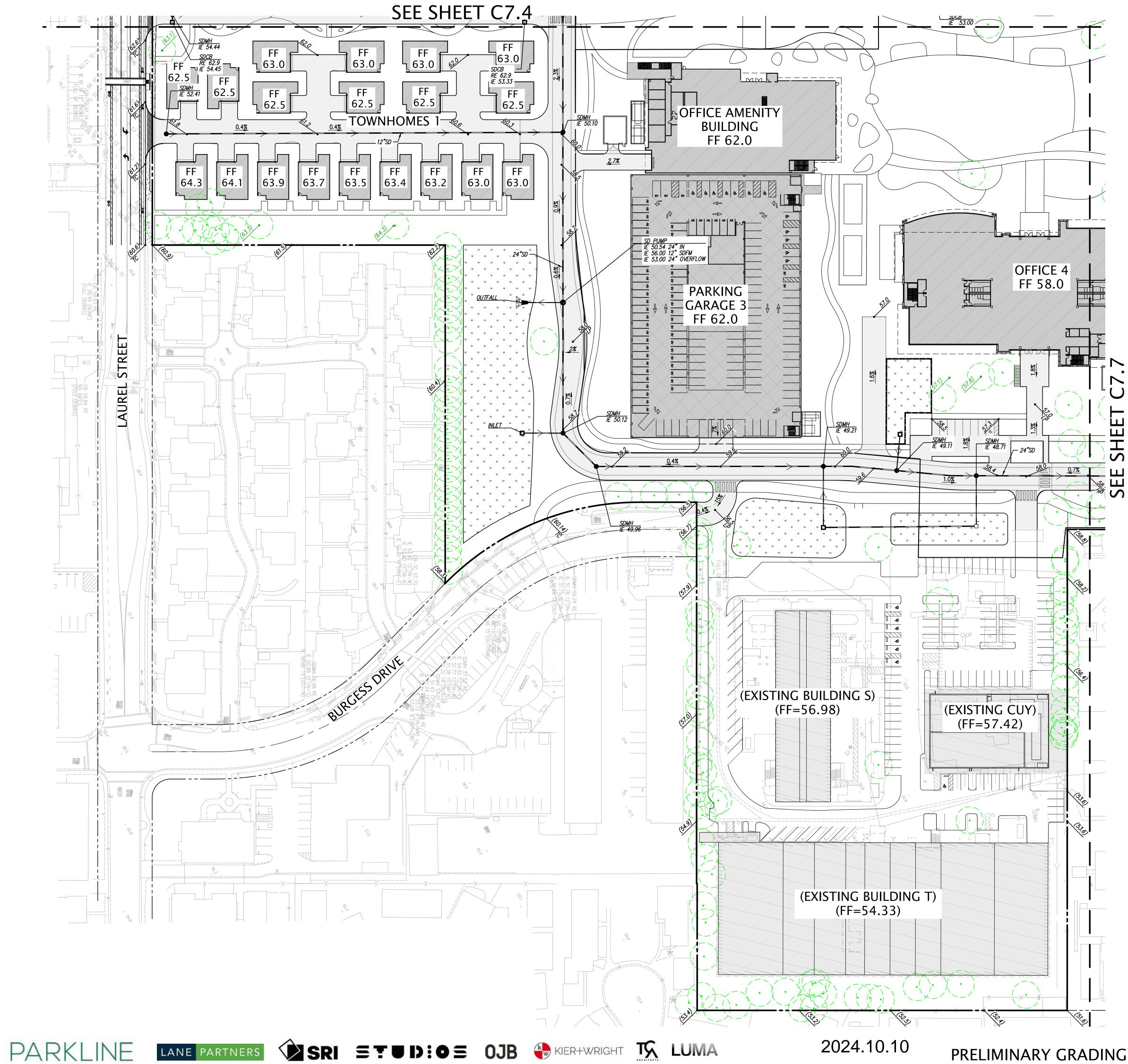










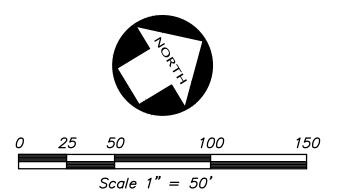


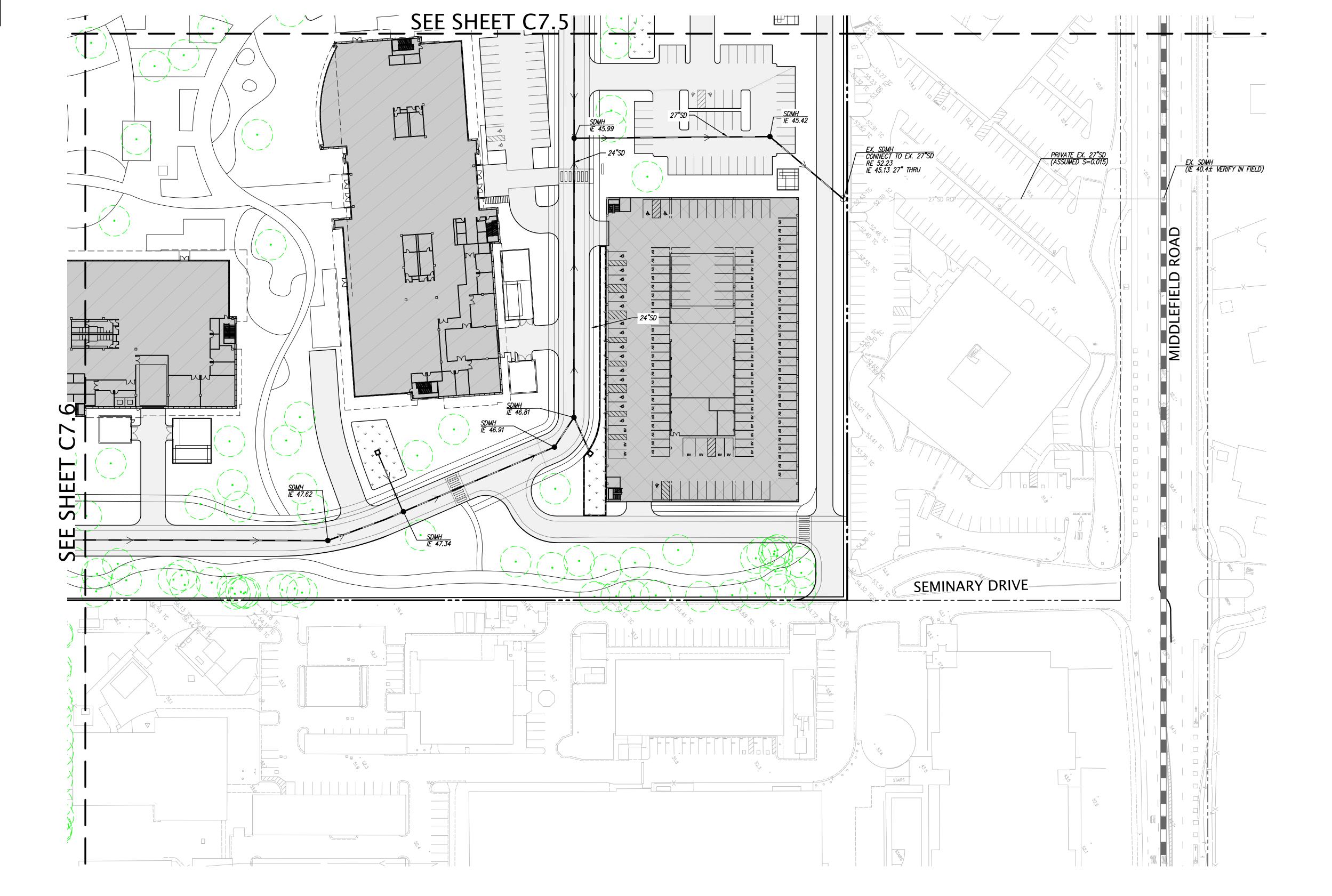
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BIO-RETENTION BASIN

TREE

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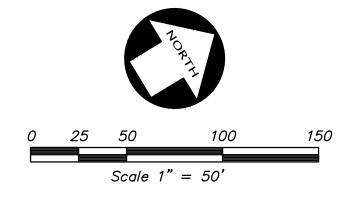




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- 2. UNDER NO CIRCUMSTANCE SHALL DRAINAGE RESULTING FROM THIS PROJECT, DURING OR POST CONSTRUCTION, DIRECTLY SHEETFLOW ACROSS AN ADJOINING PROPERTY. RUNOFF SHALL BE CONTAINED ON-SITE UP TO THE 10-YEAR STORM.





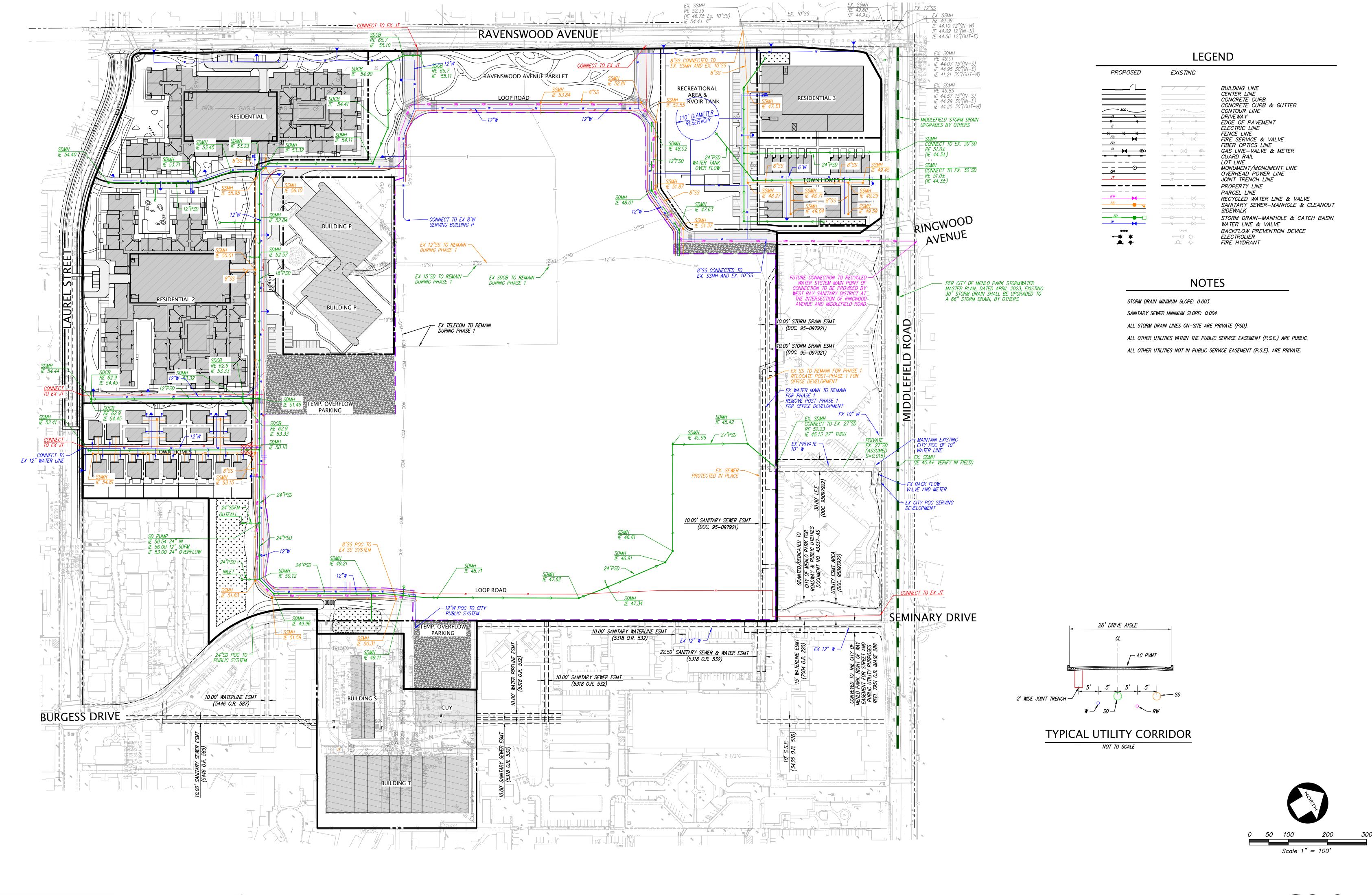


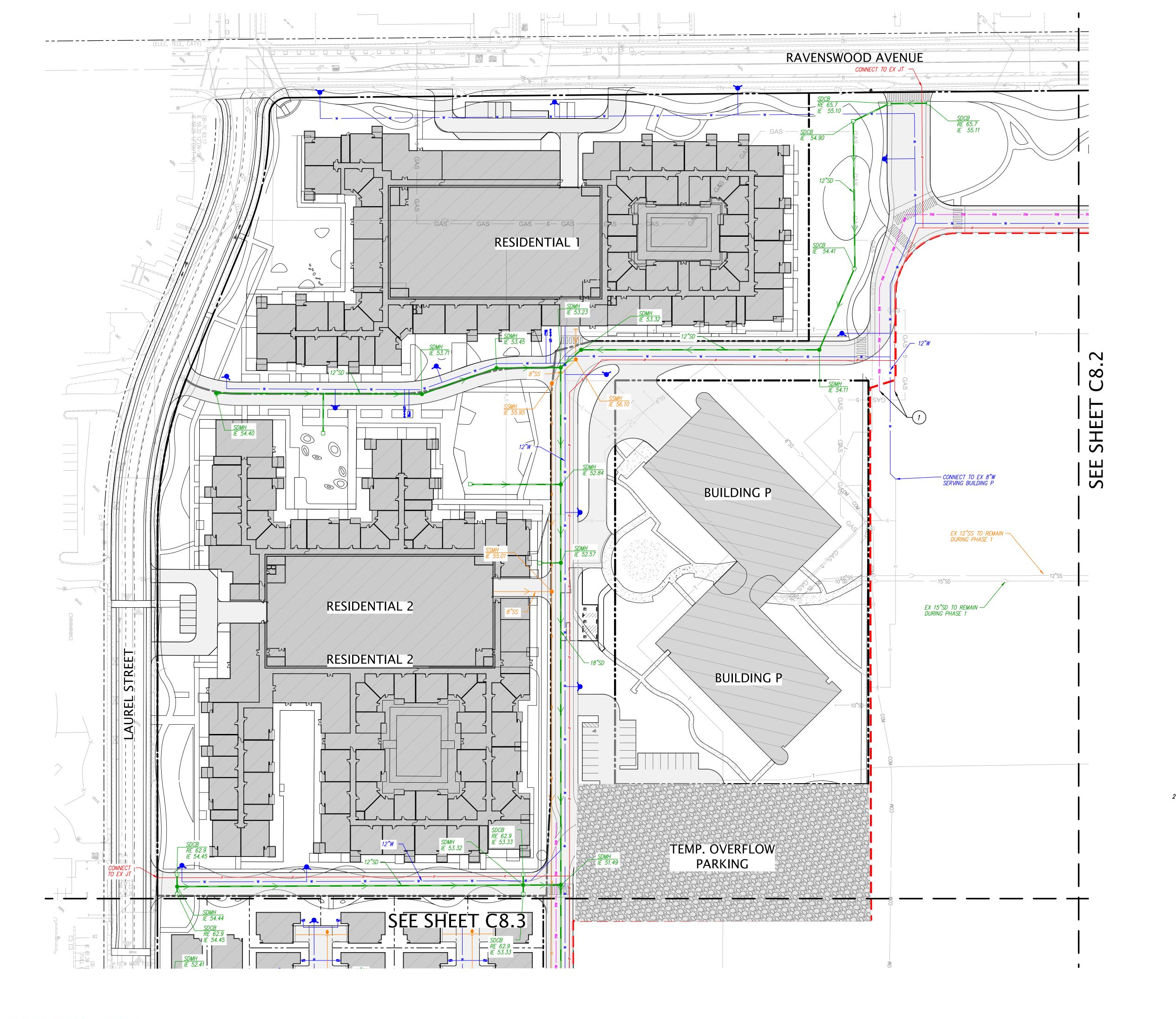


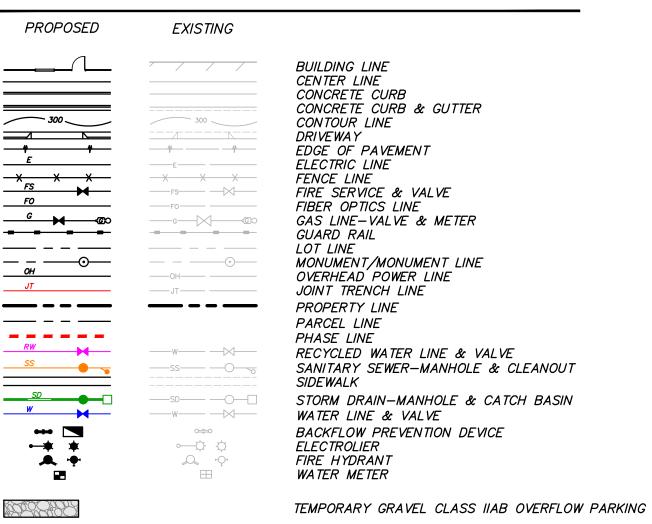




2024.10.10







KEYNOTES

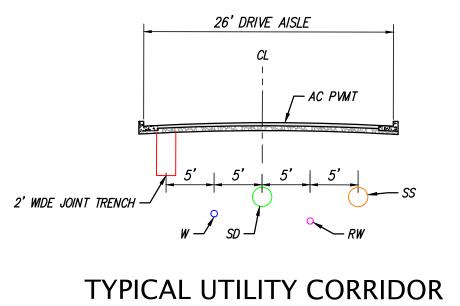
1) STUB FOR FUTURE UTILITY (TYP)

NOTES

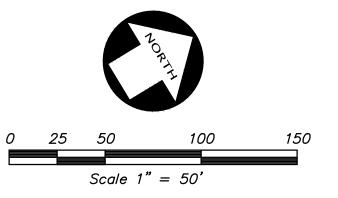
STORM DRAIN MINIMUM SLOPE: 0.003

SANITARY SEWER MINIMUM SLOPE: 0.004

- ALL STORM DRAIN LINES ON-SITE ARE PRIVATE (PSD).
- ALL OTHER UTILITIES WITHIN THE PUBLIC SERVICE EASEMENT (P.S.E.) ARE PUBLIC.
- ALL OTHER UTILITIES NOT IN PUBLIC SERVICE EASEMENT (P.S.E). ARE PRIVATE.



NOT TO SCALE



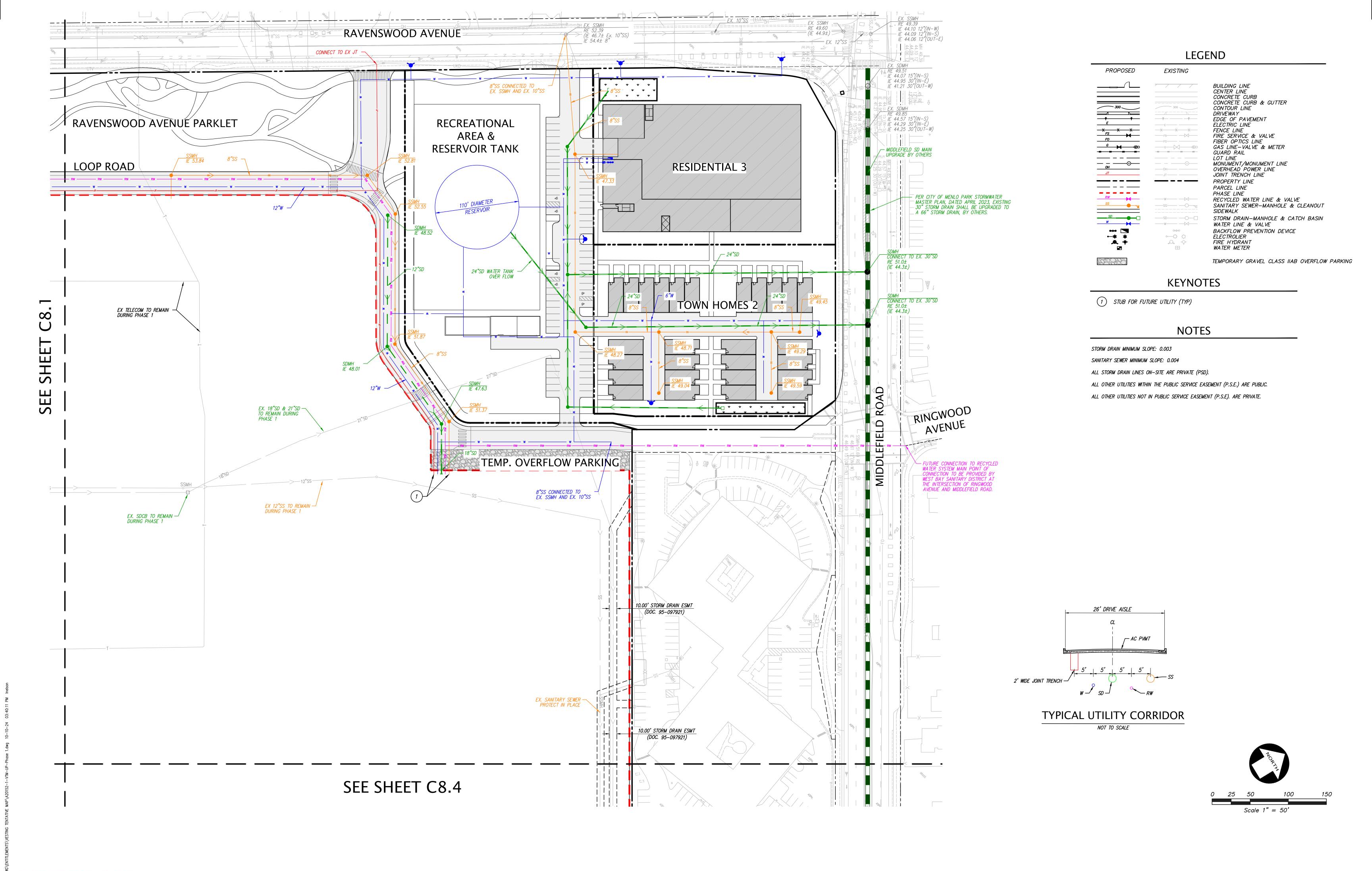


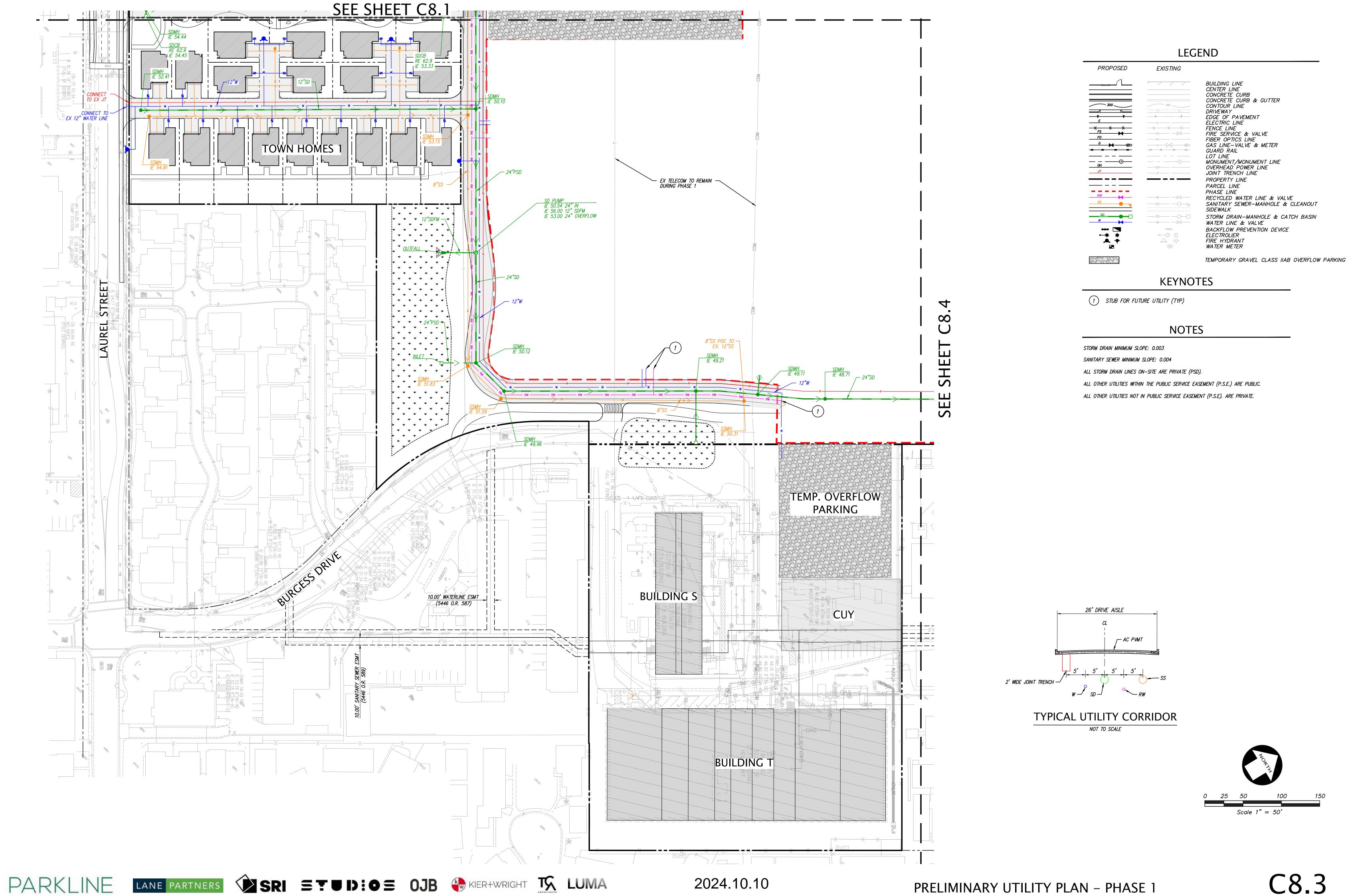


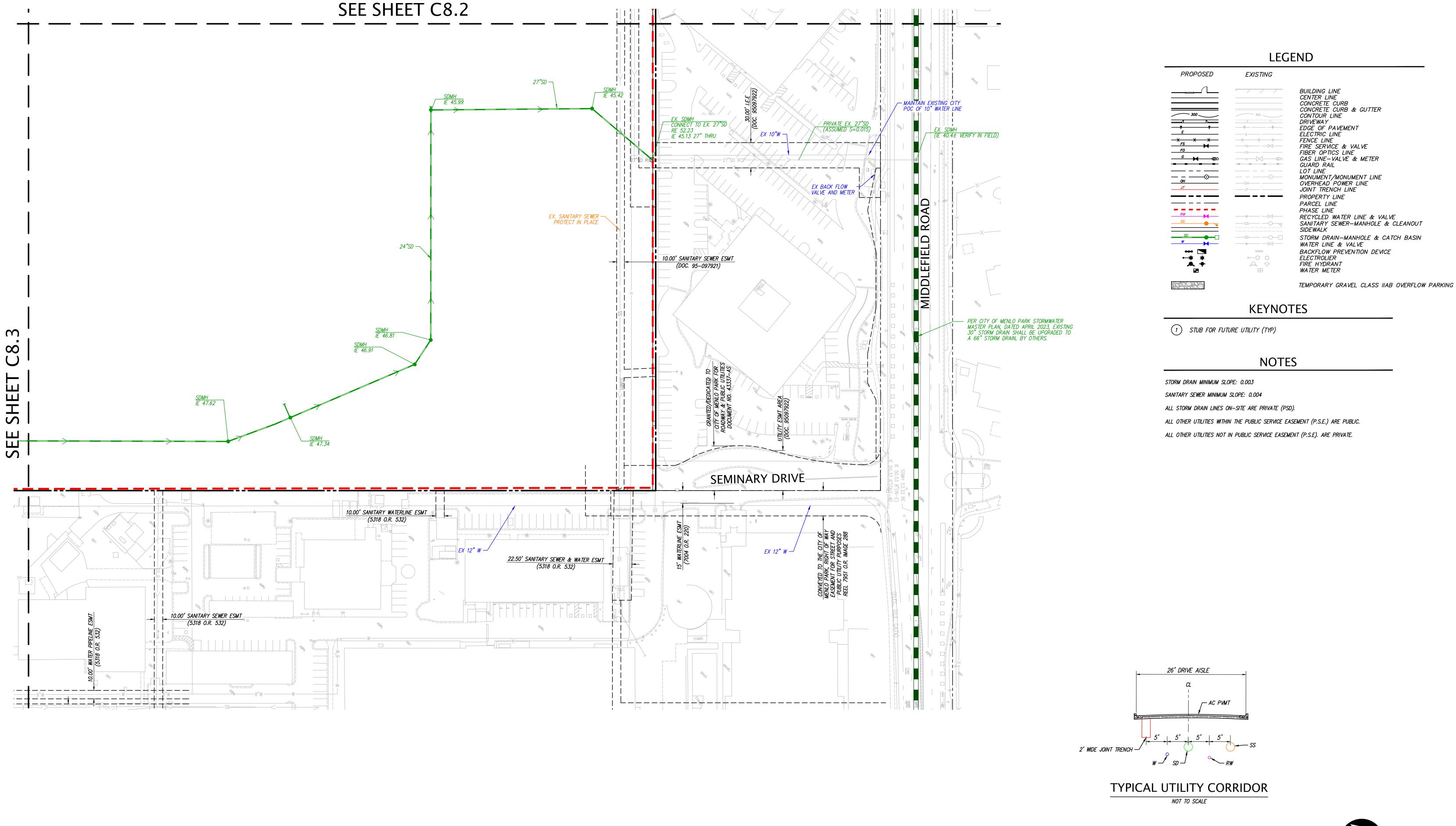


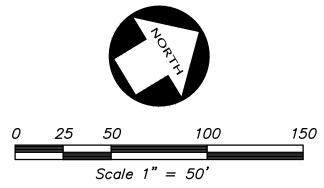










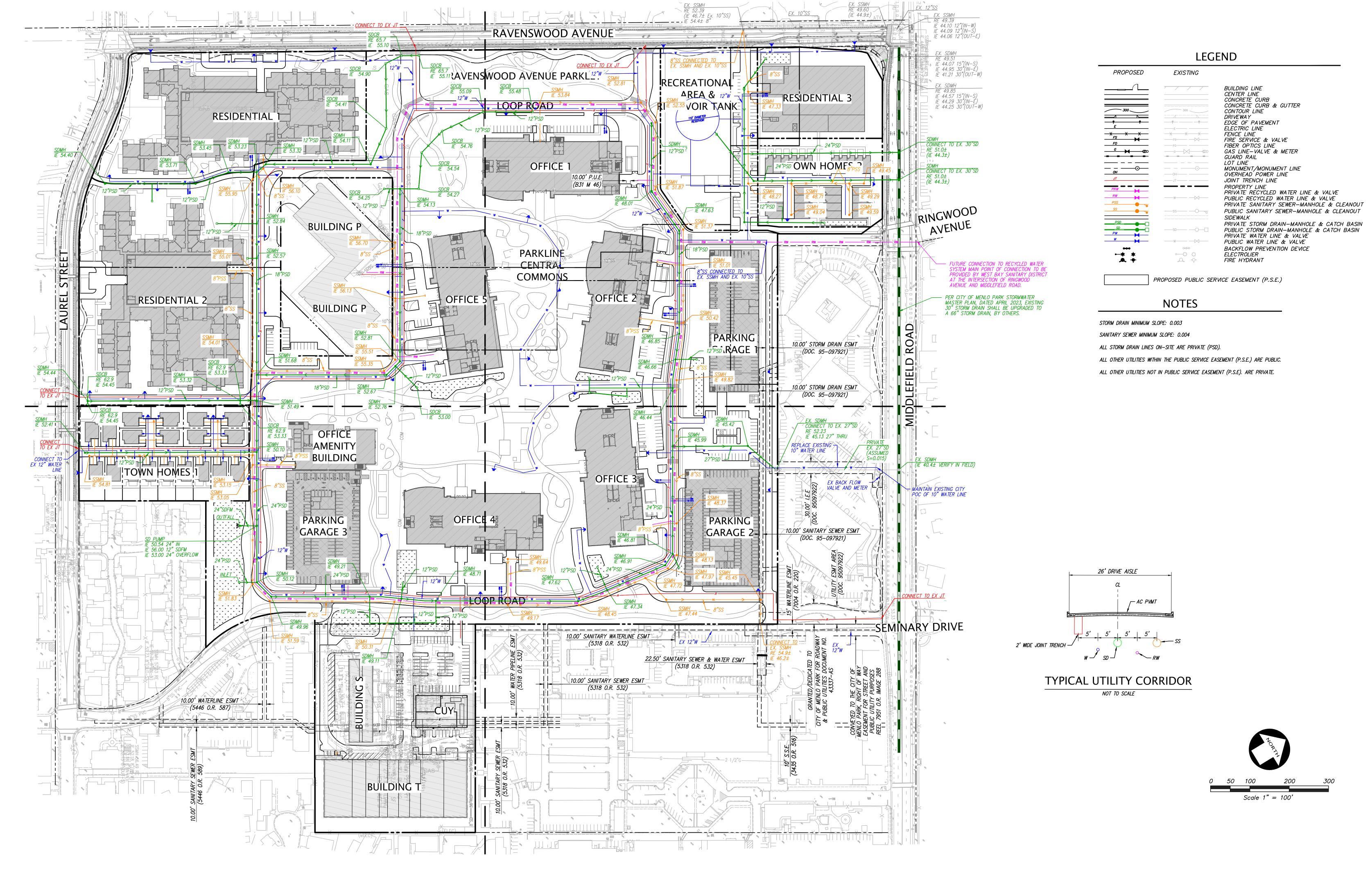


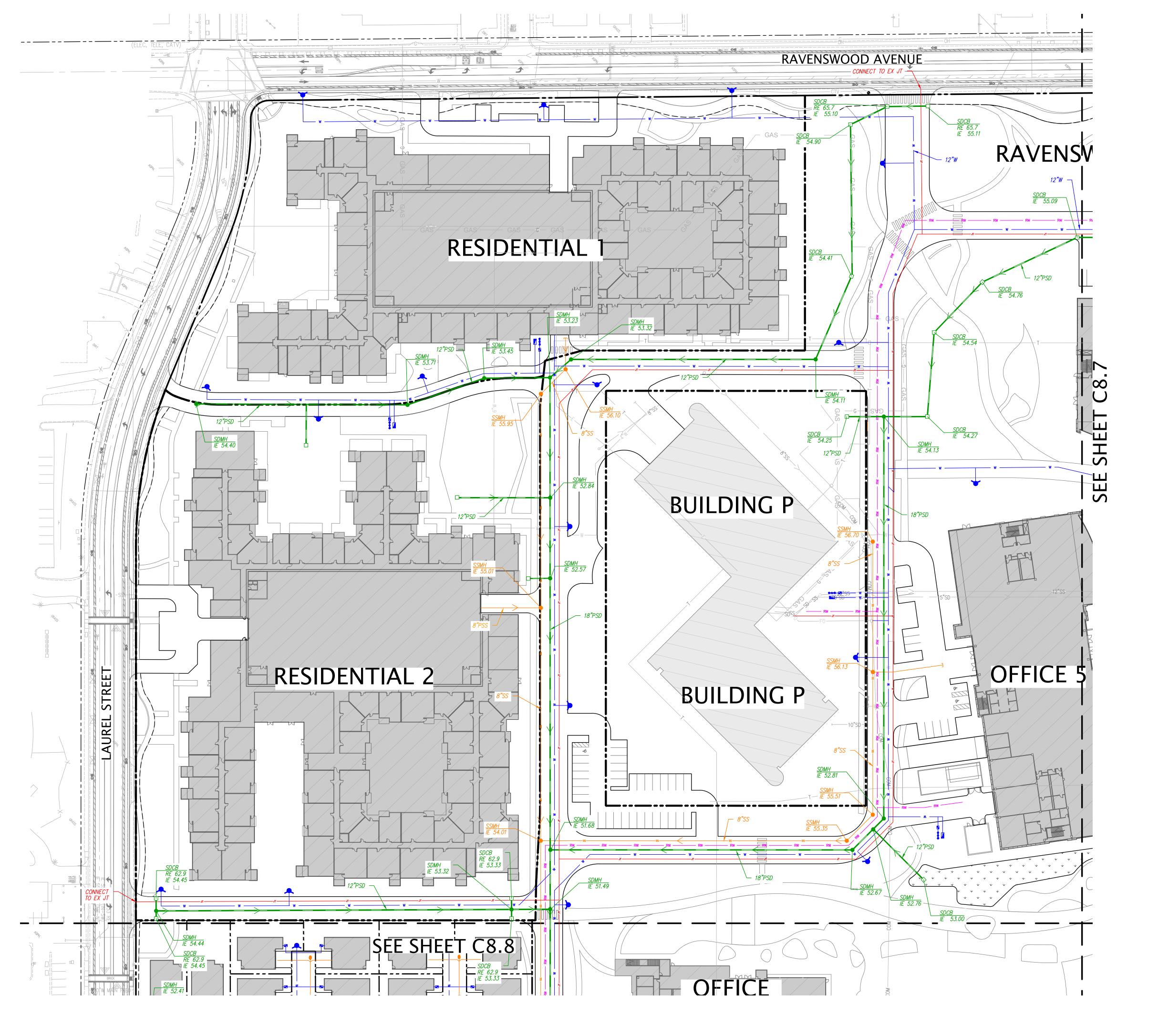
PRELIMINARY UTILITY PLAN – PHASE 1

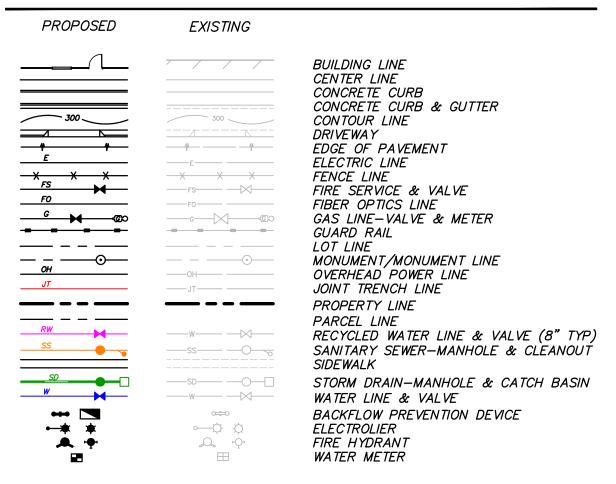










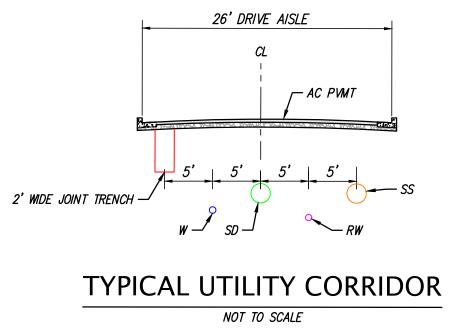


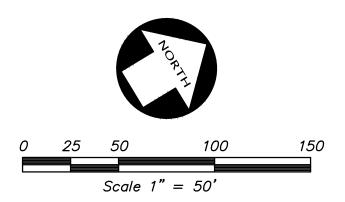
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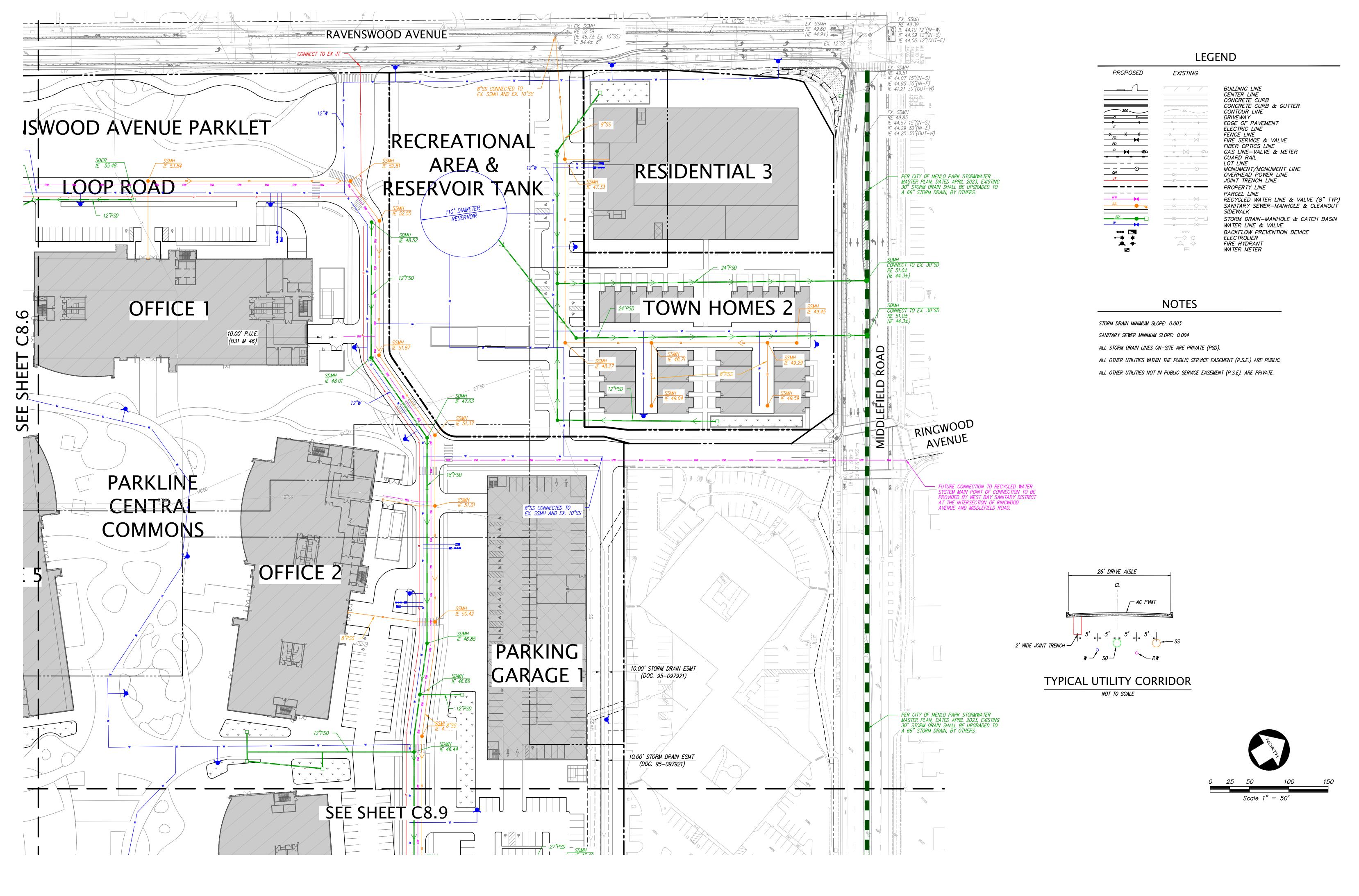
STORM DRAIN MINIMUM SLOPE: 0.003

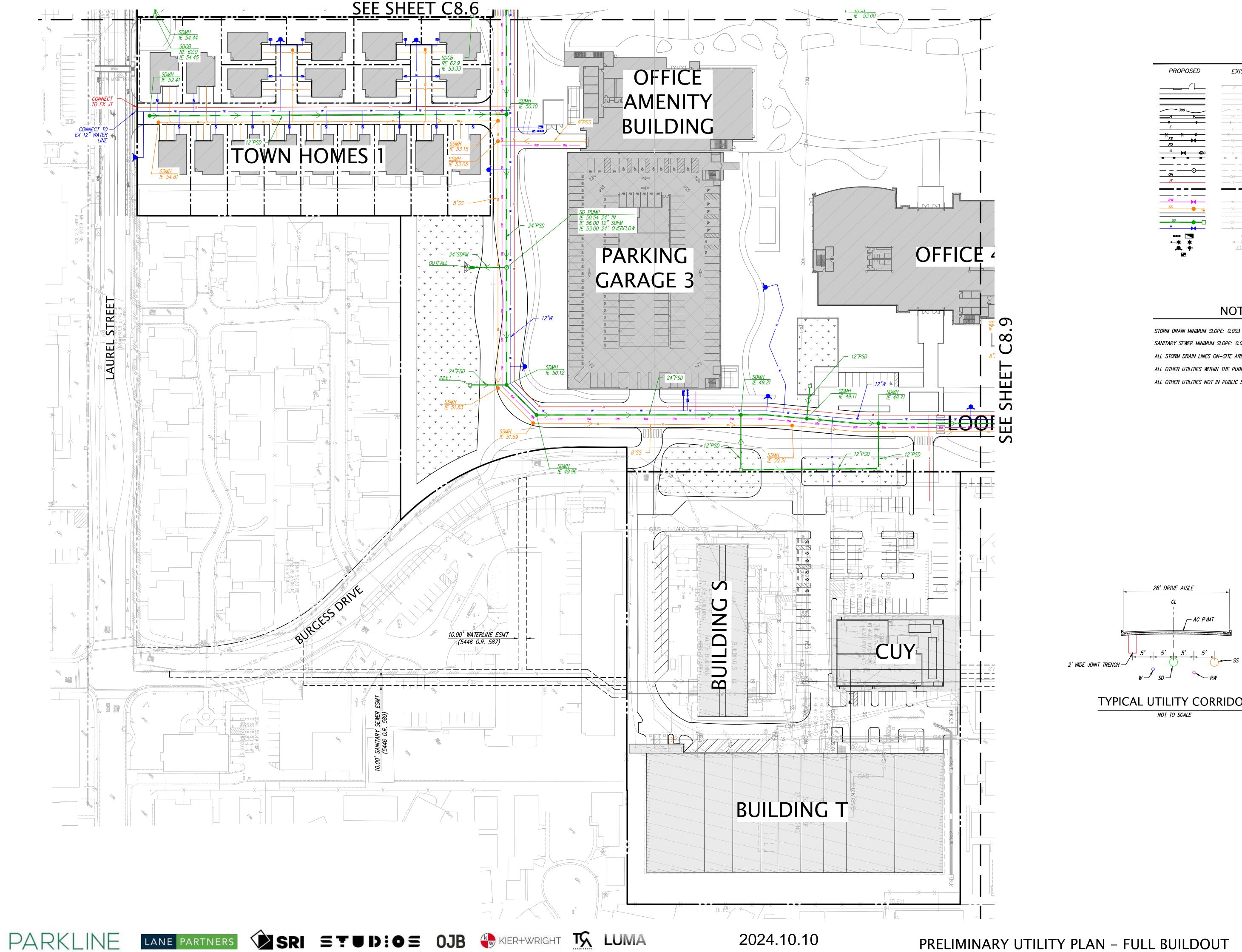
SANITARY SEWER MINIMUM SLOPE: 0.004

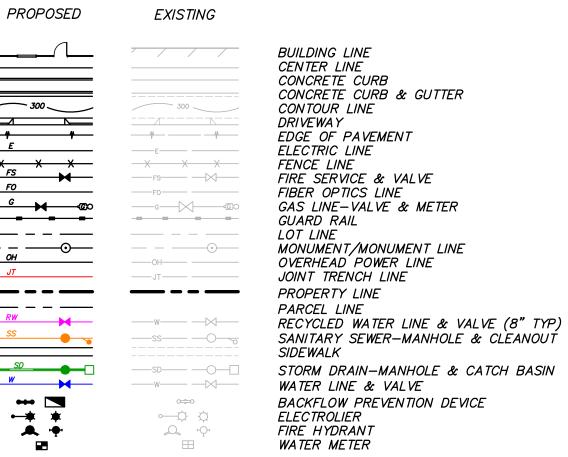
- ALL STORM DRAIN LINES ON-SITE ARE PRIVATE (PSD).
- ALL OTHER UTILITIES WITHIN THE PUBLIC SERVICE EASEMENT (P.S.E.) ARE PUBLIC.
- ALL OTHER UTILITIES NOT IN PUBLIC SERVICE EASEMENT (P.S.E). ARE PRIVATE.







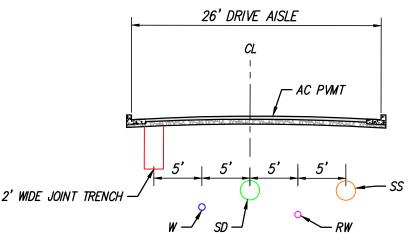




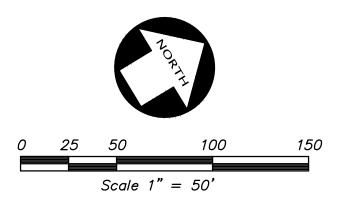
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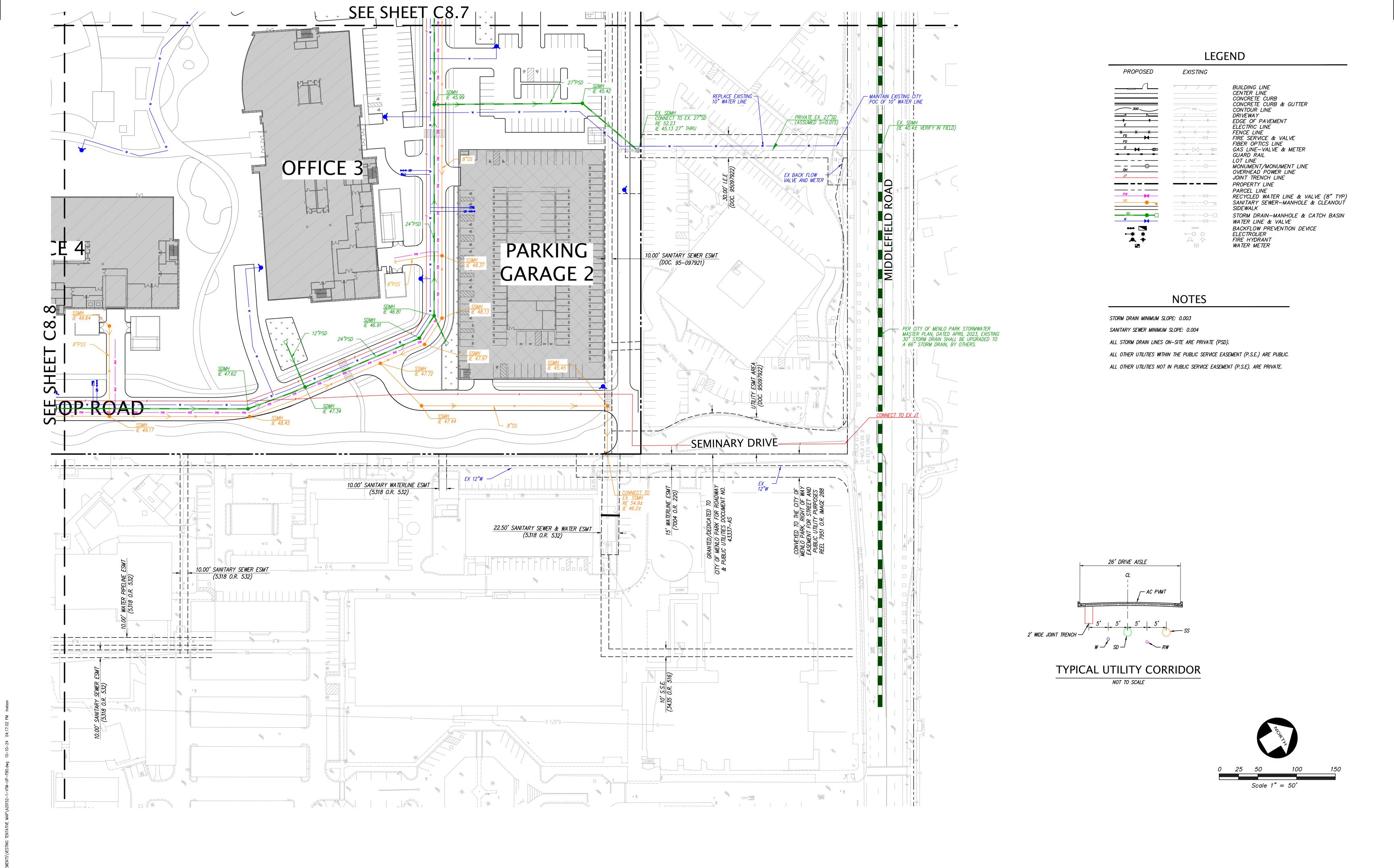
SANITARY SEWER MINIMUM SLOPE: 0.004

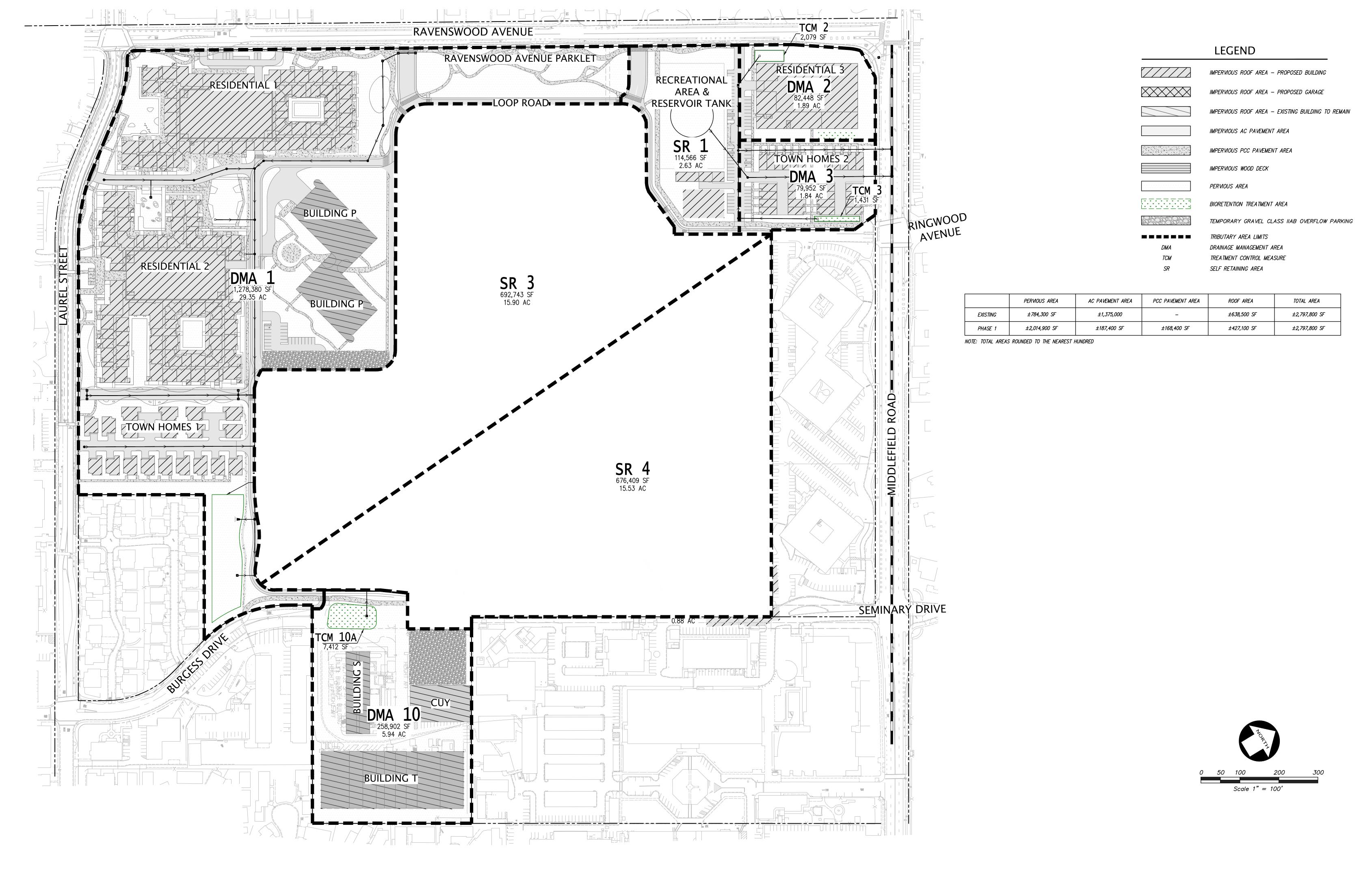
- ALL STORM DRAIN LINES ON-SITE ARE PRIVATE (PSD).
- ALL OTHER UTILITIES WITHIN THE PUBLIC SERVICE EASEMENT (P.S.E.) ARE PUBLIC.
- ALL OTHER UTILITIES NOT IN PUBLIC SERVICE EASEMENT (P.S.E). ARE PRIVATE.

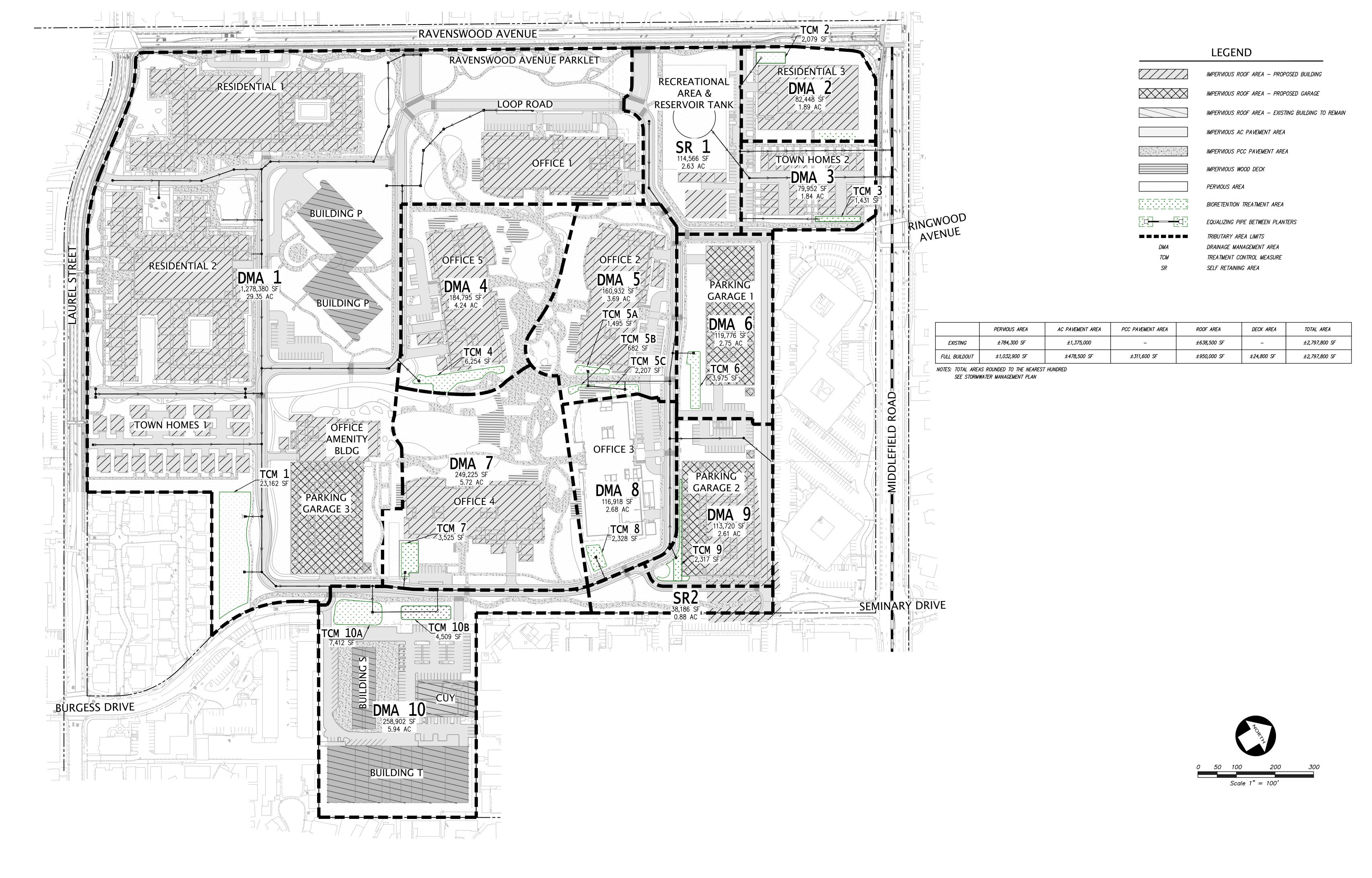


TYPICAL UTILITY CORRIDOR











BIORETENTION TREATMENT AREA

NEW AC PAVEMENT

NEW PCC PAVEMENT

EXISTING RETAINED AC PAVEMENT TREATED IN LIEU OF DMA 12, 13 & 14

EXISTING RETAINED AC PAVEMENT (DOES NOT NEED TO BE TREATED)

TRIBUTARY AREA LIMITS DRAINAGE MANAGEMENT AREA TREATMENT CONTROL MEASURE

IN-LIUE OFF-SITE

AC PAVEMENT PCC PAVEMENT PERVIOUS AREA TOTAL AREA AREA ±90,900 SF ±23,600 SF ±128,200 SF EXISTING ±13,700 SF PROPOSED ±22,900 SF ±90,700 SF ±14,600 SF ±128,200 SF

NOTE: TOTAL AREAS ROUNDED TO THE NEAREST HUNDRED

BIORETENTION SUMMARY TABLE

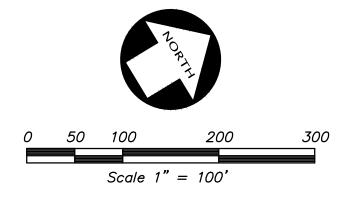
DISTURBED AREA	AREA (SQ. FT.)	IMPERVIOUS AREA (SQ. FT.)	PERVIOUS AREA (SQ.FT.)	EFFECTIVE IMPERVIOUS AREA (SQ.FT.)
DMA 11	26,992	13,729	13,263	15,055
TOTAL	26,992	13,729	13,263	15,055

IN-LIEU TREATMENT SUMMARY TABLES

DISTURBED AREA	NEW OR REPLACED IMPERVIOUS AREA (SQ. FT.)	IMPERVIOUS AREA (SQ. FT.)	PERVIOUS AREA (SQ.FT.)	EFFECTIVE IMPERVIOUS AREA (SQ.FT.)
DMA 12	6,787	1,924	4,863	2,410
DMA 13	4,399	2,411	1,988	2,610
DMA 14	5,736	2,920	2,816	3,202
TOTAL	16,922	7,255	9,667	8,222

IN-LIEU TREATMENT AREA	AREA (SQ. FT.)	IMPERVIOUS AREA (SQ. FT.)	PERVIOUS AREA (SQ.FT.)	EFFECTIVE IMPERVIOUS AREA (SQ.FT.)
IL 15	41,101	41,101	0	41,101
TOTAL	41,101	41,101	0	41,101

NOTE: DMAs 12, 13, & 14 ARE NOT BEING TREATED, BUT WILL BE TREATED IN-LIEU BY IL-15 AREA, ALONG WITH DMA 11, BY TREATMENT AREA TCM 11. AREA IL-15 IS GREATER THAN THE AREAS OF DMAs 12, 13, & 14 COMBINED.



BIOTREATMENT SUMMARY TABLE ONSITE

AREA	ТСМ	TREATMENT TYPE	TOTAL AREA (SQ. FT.)	IMPERVIOUS AREA (SQ. FT.)	PERVIOUS AREA (SQ. FT.)	EFFECTIVE IMPERVIOUS AREA (EIA) (SQ.FT.)	SIZING METHOD*	TREATMENT AREA REQ. (SQ. FT.)	TREATMENT AREA PROVIDED (SQ. FT.)	PONDING DEPTH (IN.)
DMA 1	1	BIORETENTION PLANTER	1,278,380	804,013	474,367	851,450	FLOW-VOLUME COMBO	20,955	23,162	12
DMA 2	2	FLOW-THROUGH PLANTER	82,448	48,244	34,204	51,664	4% METHOD	2,067	2,079	6
DMA 3	3	FLOW-THROUGH PLANTER	79,952	54,828	25,124	57,340	FLOW-VOLUME COMBO	1,411	1,431	12
DMA 4	4	BIORETENTION PLANTER	184,795	116,863	67,932	123,656	4% METHOD	4,946	6,254	6
DMA 5	5	BIORETENTION PLANTER	160,932	100,455	60,477	106,503	4% METHOD	4,260	4,384	6
DMA 6	6	BIORETENTION PLANTER	119,776	81,776	38,000	85,576	4% METHOD	3,423	3,975	6
DMA 7	7	FLOW-THROUGH PLANTER	249,225	131,200	118,025	143,003	FLOW-VOLUME COMBO	3,519	3,525	12
DMA 8	8	BIORETENTION PLANTER	116,918	85,968	30,950	89,063	FLOW-VOLUME COMBO	2,192	2,328	12
DMA 9	9	FLOW-THROUGH PLANTER	113,720	90,590	23,130	92,903	FLOW-VOLUME COMBO	2,286	2,317	12
DMA 10	10	BIORETENTION PLANTER	258,902	191,962	66,940	198,656	4% METHOD	7,946	11,921	6
TOTAL	_	_	2,645,048	1,705,899	939,149	1,799,814		53,005	61,376	

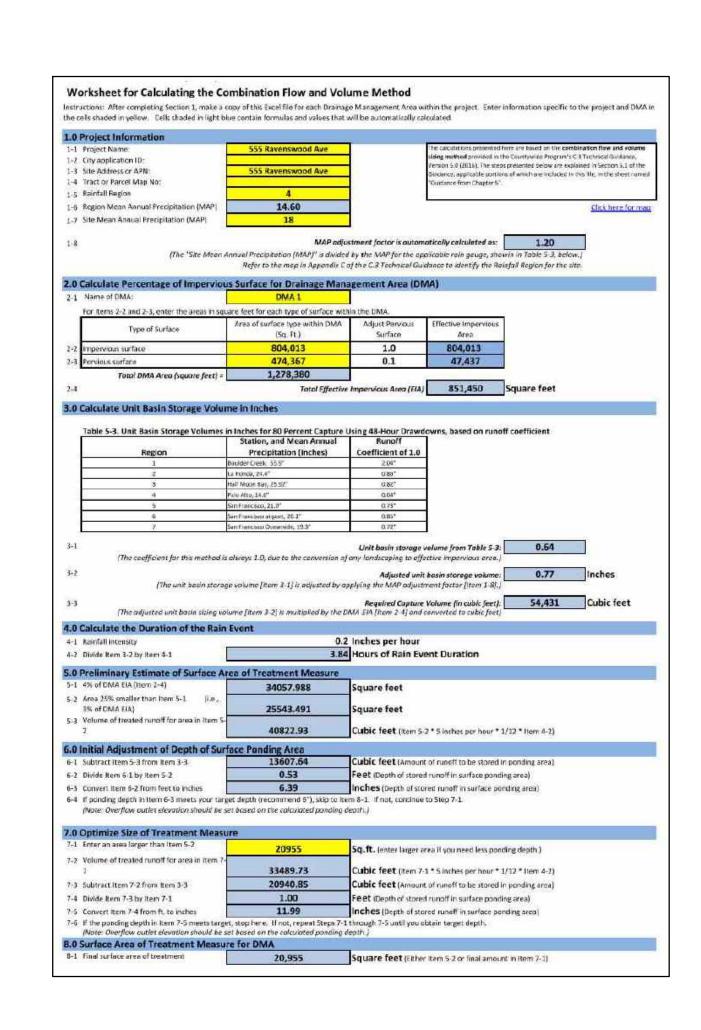
^{* 4 %} METHOD = (EFFECTIVE IMPERVIOUS AREA X 0.04)

SELF RETAINING AREA

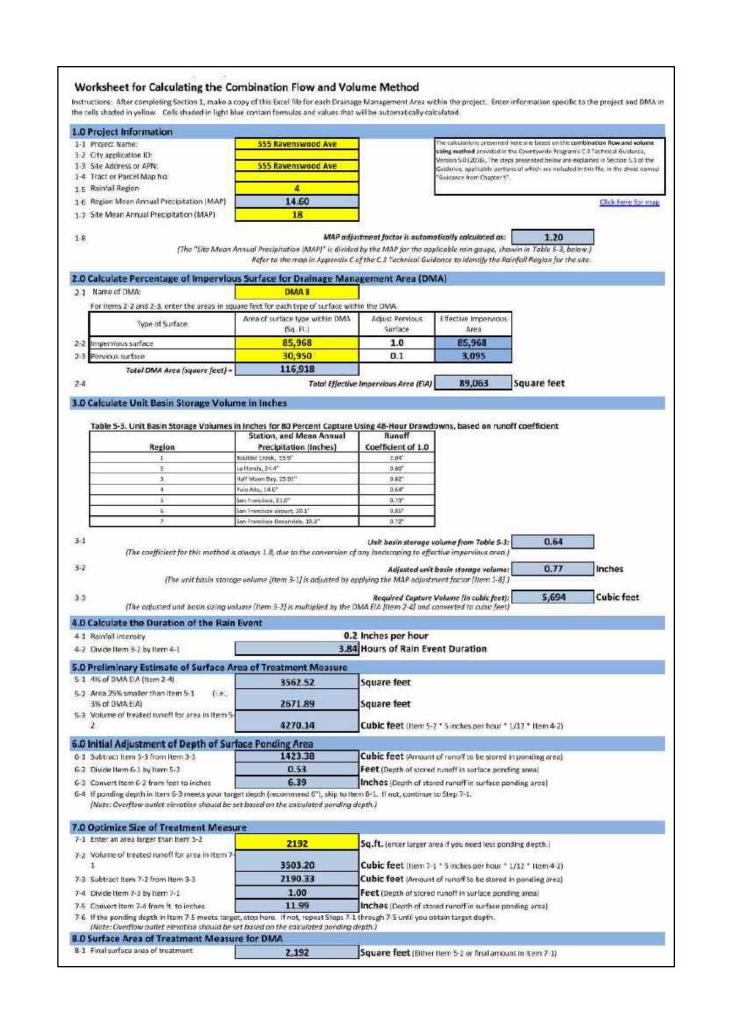
AREA	TREATMENT TYPE	TOTAL AREA (SQ. FT.)	IMPERVIOUS AREA (SQ. FT.)	TREATMENT AREA REQ. (SQ. FT.)
SR 1	SELF-RETAINING AREA	114,566	45,276	_
SR 2	SELF-RETAINING AREA	38,186	13,732	
TOTAL	-	152,752	59,008	_

OVERALL TREATMENT AREA TOTALS ONSITE

PERVIOUS AND IMPERVIOUS SURFACES C	OMPARISON TABLE		
	PROJECT PHASE	NUMBER: (N/A, 1, 2, 3)	N/A
TOTAL SITE (ACRES):	64.23 [2,797,800 SF]	TOTAL AREA OF SITE DISTURBED (ACRES):	<i>61.75</i>
IMPERVIOUS SURFACES	EXISTING CONDITION OF DISTURBED AREA (SQUARE	PROPOSED CONDITION OF DISTURBED (SQUARE	
	FEET):	REPLACED	NEW
TOTAL IMPERVIOUS SURFACES (E.G., SIDEWALKS, DRIVEWAYS, PARKING AREAS, PATIOS, ROADS, ROOFTOPS, POOLS, PATHWAYS, ETC.)	<i>2,013,500</i>	774,572	882,304
PERVIOUS SURFACES			
LANDSCAPED AREAS	784,300	0	1,032,893
PERVIOUS PAVING	0	0	0
OTHER PERVIOUS SURFACES (GREEN ROOF, ETC.)	0	0	0
TOTAL PERVIOUS SURFACES:	784,300	0	1,032,893
TOTAL PROPOSED REPLACED + NEW IMPERVIOUS SURFACE	ES:		1,656,876
TOTAL PROPOSED REPLACED + NEW PERVIOUS SURFACES	.		1,032,893



	orksheet for Calculating the C	ombination Flow and V	olume Method			
	ructions: After completing Section 1, make a cells shaded in yellow. Cells shaded in light b	copy of this Excel file for each Drai	rage Management.Area w		nformation specific	to the project and DM
1.0	Project Information					
	Project Name:	555 Ravenswood Ave		The calculations presented backing method provided in the		
	City application ID: Site Address or APN:	555 Ravenswood Ave	-	Version 5.0 (2036). The steps guidance, applicable portion	presented below are ex	plained in Section 5.3 of the
	Tract or Parcel Map No:			"Guidance from Chapter 6"	SO WINCO ATE NOUSEO	in this rite, in the sheets right
	Rainfall Region	4				200 A 04 00 01 4 T 10 0
	Region Mean Annual Precipitation (MAP) Site Mean Annual Precipitation (MAP)	14.60				Click here for m
476	and the second of the second of the second			1.0		
1.8		MAP a Annual Precipitation (MAP)" is divi Refer to the map in Appendia	맛이다 맛이렇게 하나 되었습니다. 요즘은 해를 보여 때 얼마를 잘 하다.	olicable rain gauge, shai		
-	Calculate Percentage of Impervio		nagement Area (DA	/A)		
2-1	Name of DMA:	DMA 7	office the DAMA			
	For items 2-2 and 2-3, enter the areas in sq	Area of surface type within DM		Effective Impervious		
	Type of Surface	(Sq. Ft.)	Surface	Area		
2-2		131,200	1.0	131,200		
2-3		118,025	0.1	11,803		
2-4	Total DMA Area (square feet) =		ive Impervious Area (EIA)	143.003	Square feet	
			es duber monsylved (EM)	142,000	-quote teet	
3,0	Calculate Unit Basin Storage Volu	me in Inches				
	Table 5-3. Unit Basin Storage Volumes		e Using 48-Hour Drawd	owns, based on runol	fcoefficient	
	Region	Station, and Mean Annual Precipitation (Inches)	Runoff Coefficient of 1.0			
	negion 1	Boulder Creek, 55.9"	2.04"			
	2	La Honda 24.4°	0.86*			
	3 4	Half Meon Bay, 25.92" Pale Alto: 14.6"	6:82° 0.64°			
	5	San Francisco, 21.0"	0,73*	1		
	6	San Francisco arport, 29.1"	6.85*	1		
	7	San Francisco Conanside, 19.3	0.72"			
44		San Francisco Cosanside, 15.3"	0.72*		227	
2-1			Unit basin storage s	volume from Table 5-3:	0.64	
3-1	(The coefficient for this method i	San Francisco Cosanside, 18.3" S always 1.0, due to the conversion	Unit basin storage v of any landscaping to effe	ctive impervious area.)		Inches
	(The coefficient for this method i		Unit basin storage to of any landscaping to offer Adjusted unit	ctive impervious area.) basin storage volume:	0.64	Inches
	(The coefficient for this method i (The unit basin stora	s always 1.0, due to the conversion ge volume [Hem 3-1] is adjusted by	Unit basin storage of of any landscaping to effe Adjusted unit applying the MAP adjust Required Capture	ctive impervious area.) basin storage volume: ment factor [leem 1-8].) Volume (in cubic feet):		Inches Cubic feet
3-2 3-3	(The coefficient for this method i (The unit bosin stora (The adjusted unit basin sizing vi	s always 1.0, due to the conversion ge volume [Item 3-1] is adjusted by Jume [Item 3-2] is multiplied by th	Unit basin storage of of any landscaping to effe Adjusted unit applying the MAP adjust Required Capture	ctive impervious area.) basin storage volume: ment factor [leem 1-8].) Volume (in cubic feet):	0.77	
3-2 3-3 4.0	(The coefficient for this method in the unit basin storm (The write basin storm (The adjusted unit basin staing we Calculate the Duration of the Rain	s always 1.0, due to the conversion ge volume [Item 3-1] is adjusted by Jume [Item 3-2] is multiplied by th I Event	Unit basin storage to of any landscaping to effect Adjusted unit opplying the MAF adjuster Required Capture to DMA EIA (Stern 2-4) and a	ctive impervious area.) basin storage volume: ment factor [leem 1-8].) Volume (in cubic feet):	0.77	
3-3 4.0 4-1	(The coefficient for this method in the unit basin store of the adjusted unit basin sizing we calculate the Duration of the Rain Barfall intensity	s always 1.0, due to the conversion ge volume [Item 3-1] is adjusted by Jume [Item 3-2] is multiplied by th I Event	Unit basin storage of any landscaping to effe Adjusted unit applying the MAF adjust Required Capture EDMA EVA [Item 2-4] and a	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	0.77	
3-2 3-3 4.0 4-1 4-2	(The coefficient for this method in (The unit bosin storm (The adjusted unit bosin sizing we Calculate the Duration of the Rair Rairfall intensity Divide Item 3-2 by Item 4-1	is always 1.0, due to the conversion ge volume [item 3-1] is adjusted by plume [item 3-2] is multiplied by th Sevent (Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP sajuste Required Capture to DMA EVA Pitem 2-4] and to 0.2 Inches per hour 34 Hours of Rain Eva	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	0.77	
3-3 4.0 4-1 4-2 5.0	(The coefficient for this method in the unit basin store of the adjusted unit basin sizing we calculate the Duration of the Rain Barfall intensity	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shurne [item 3-2] is multiplied by th 1 Event (3. Tea of Treatment Measure	Unit basin storage to of any landscaping to effer Adjusted unit of applying the MAP sajusta Required Capture to DMA EVA Pitem 2-4] and to 0.2 Inches per hour 84] Hours of Rain Evaluations	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	0.77	
3-3 4.0 4-1 4-2 5-0 5-1	(The coefficient for this method in (The unit bosin storm (The adjusted unit bosin storm in adjusted unit bosin storm in Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th 1 Event (3. Tea of Treatment Measure 5720.1	Unit basin storage of any landscaping to effer Adjusted unit of applying the MAP adjusted Required Capture of DMA EIA (Item 2-4) and a control of the Contro	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	0.77	
3-2 3-3 4.0 4-1 4-2 5.0 5-1 5-2	(The coefficient for this method in (The adjusted unit basin store (The adjusted unit basin store (The adjusted unit basin store value) (The adjusted unit basin store value) (The adjusted unit basin value) (T	s always 1.0, due to the conversion ge volume [Item 3-1] is adjusted by where [Item 3-2] is multiplied by the Event (3. Tea of Treatment Measure 5720.1 4290.075	Unit basin storage to of any landscaping to effer Adjusted unit of applying the MAP sajusta Required Capture to DMA EVA Pitem 2-4] and to 0.2 Inches per hour 84] Hours of Rain Evaluations	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	0.77	
3-2 3-3 4.0 4-1 4-2 5.0 5-1 5-2	(The coefficient for this method in (The unit bosin storm (The adjusted unit bosin storm (The adjusted unit bosin sizing with the adjusted	s always 1.0, due to the conversion ge volume [Item 3-1] is adjusted by where [Item 3-2] is multiplied by the Event (3. Tea of Treatment Measure 5720.1 4290.075	Unit basin storage of any landscaping to effer Adjusted unit of applying the MAP adjuste Required Capture of DMA EVA (Item 2-4) and to the EVA (Item 2-4) and the EVA (Item 2-4) an	ctive impervious area.) basin storage volume: nem factor [item 1-8];) Volume (in cubic feet): converted to cubic feet)	9,342	
3-2 3-3 4-0 4-1 4-2 5-0 5-1 5-2	(The coefficient for this method in (The unit bosin store (The adjusted Unit of the A	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th 1 Event (3. rea of Treatment Measure 5720.1 4290.075	Unit basin storage of any landscaping to effer Adjusted unit of applying the MAP adjuste Required Capture of DMA EVA (Item 2-4) and to the EVA (Item 2-4) and the EVA (Item 2-4) an	basin storage volume: nent factor [item 1-8];) Valume (in cubic feet): converted to cubic feet)	9,342	
3-2 3-3 4-0 4-1 4-2 5-0 5-1 5-2 5-3	(The coefficient for this method is (The adjusted unit basin store (The adjusted unit basin sizing ve Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 2% of DMA EIA (Item 3-4) Area 25% analler than Item 5-1 (i.e., 3% of DMA EIA) Volume of treated runoff for area in Item 5	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th 1 Event (3. rea of Treatment Measure 5720.1 4290.075	Unit basin storage of any landscaping to effect only landscaping to effect of any landscaping to effect of any landscaping the MAP adjusted Required Capture of DMA EIA (Item 2-4) and to be a second of the angle of	basin storage volume: nent factor [item 1-8];) Valume (in cubic feet): converted to cubic feet)	0.77 9,142 /12 * \tem 4-2\	
3-2 3-3 4.0 4-1 4-2 5-1 5-2 5-3 6-1 6-2	(The coefficient for this method is (The adjusted unit basin store (The adjusted unit basin sizing verification of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DMA EIA Item 3-4) Area 25% smaller than Item 5-1 (i.e., 3% of DMA EIA) Volume of treated runoff for area in Item 5-2 Initial Adjustment of Depth of Surface Item 5-3 from Item 3-3 Divide Item 6-1 by Item 3-2	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by chame [item 3-2] is multiplied by th a Event (a) 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53	Unit basin storage to of any landscaping to effect (Adjusted unit of applying the MAF adjusted Required Capture of DMA E/A (Attern 2-4) and to be a superior of Rain Evolution	basin storage volume: nent factor [item 1-8]; Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in	0.77 9,142 /12 * Item 4-2) in ponding area) its area)	
3-2 3-3 4.0 4-1 4-2 5-1 5-2 5-3 6.0 6-1 6-2 6-3	(The coefficient for this method is (The adjusted unit basin store (The adjusted unit basin store Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DMA EIA (Item 3-4) Area 25% analler than them 5-1 (i.e., 3% of DMA EIA) Volume of treated runoff for area in Item 5-2 Initial Adjustment of Depth of Sur Subtract Item 5-3 from Item 3-3 Divide Item 6-1 by Item 5-2 Convert item 6-2 from feet to inches	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by durne [item 3-2] is multiplied by th 1 Event (1 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 7285.43 0.53 6.39	Unit basin storage to of any landscaping to effer Adjusted unit of applying the MAP adjusts are polying the MAP adjusts are DMA EVA fitern 2-4] and to be DMA EVA fitern 3-4. Cubic feet (Amount Feet (Depth of stores (Depth of stores Inches (Depth of sto	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 frunoff in surface pondired ranoff ranoff in surface pondired ranoff in surface pondired ranoff in	0.77 9,142 /12 * Item 4-2) in ponding area) its area)	
3-2 3-3 4.0 4-1 4-2 5-1 5-2 5-3 6.0 6-1 6-2 6-3	(The coefficient for this method is (The adjusted unit basin store (The adjusted unit basin sizing verification of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DMA EIA Item 3-4) Area 25% smaller than Item 5-1 (i.e., 3% of DMA EIA) Volume of treated runoff for area in Item 5-2 Initial Adjustment of Depth of Surface Item 5-3 from Item 3-3 Divide Item 6-1 by Item 3-2	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th 1 Event (1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth (recommend 6"), skip to	Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP sajusta Required Capture to DMA EVA Pitem 2-4] and to 2.2 Inches per hour Square feet Square feet Cubic feet (Item 5: Cubic feet (Amount Feet (Depth of stores (Depth of stores Inches (Dept	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 frunoff in surface pondired ranoff ranoff in surface pondired ranoff in surface pondired ranoff in	0.77 9,142 /12 * Item 4-2) in ponding area) its area)	
3-2 3-3 4-0 4-1 4-2 5-1 5-2 5-3 6-1 6-2 6-3 6-4	(The coefficient for this method in (The unit bosin storm (The adjusted unit bosin storm (The Rainfall Intensity (The adjustment of Surface Adv. of DNA \$1A (Them 3-4) (Them 3-2 (Them 3-3) (Them 3-3) (Them 3-3) (Them 3-3 (Them 3-3) (Them 3-3 (Them 3-3) (Them 3-3 (Them 3-3) (Them 3-3 (Them 3-4) (Them 3-3) (Them 3-4) (Them 3-4) (Them 3-4) (Them 3-5) (Them 3-4) (Them 3-4	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by share [item 3-2] is multiplied by th 1 Event (1 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 7285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pandin	Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP sajusta Required Capture to DMA EVA Pitem 2-4] and to 2.2 Inches per hour Square feet Square feet Cubic feet (Item 5: Cubic feet (Amount Feet (Depth of stores (Depth of stores Inches (Dept	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 frunoff in surface pondired ranoff ranoff in surface pondired ranoff in surface pondired ranoff in	0.77 9,142 /12 * Item 4-2) in ponding area) its area)	
3-2 3-3 4-0 4-1 4-2 5-1 5-2 5-3 6-1 6-2 6-4	(The coefficient for this method is (The adjusted unit basin states (The adjusted unit basin states of Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DNA ETA Item 2-4) Area 25% analize than Item 5-1 (i.e., 3% of DNA ETA) Volume of treated runoif for area in Item 5-2 Initial Adjustment of Depth of Surface Item 5-3 from Item 3-3 Divide Item 6-1 by Item 3-2 Convert Item 5-2 from feet to inches If ponding depth in Item 6-3 meets your tar (Note: Overflow outlet elevation should be	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th 1 Event () 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pandin	Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP adjusts are polying the MAP adjusts are DMA Eta-Pitem 2-4] and to compare the DMA Eta-Pitem 2-4] and to compare the DMA Eta-Pitem 2-4] and to compare feet are square feet are square feet are cubic feet (Amount Feet (Depth of storage) inches (Depth of storage) depth.)	basin storage volume: nent factor [item 1-8]; Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in frunoff in surface por to Step 7-1.	9,342 /12 * Item 4-2) roonding area) rog area) doing area)	
3-2 3-3 4.0 4-1 4-2 5-0 5-1 5-2 5-3 6-4 7.0	(The coefficient for this method is (The unit bosin store (The adjusted unit bosin store (T	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by share [item 3-2] is multiplied by th 1 Event (1 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 7285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pandin ure	Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP adjusts are polying the MAP adjusts are DMA Eta-Pitem 2-4] and to compare the DMA Eta-Pitem 2-4] and to compare the DMA Eta-Pitem 2-4] and to compare feet are square feet are square feet are cubic feet (Amount Feet (Depth of storage) inches (Depth of storage) depth.)	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 frunoff in surface pondired ranoff ranoff in surface pondired ranoff in surface pondired ranoff in	9,342 /12 * Item 4-2) roonding area) rog area) doing area)	
3-2 3-3 4.0 4-1 4-2 5-0 5-1 5-2 5-3 6-4 7.0	(The coefficient for this method is (The adjusted unit basin states (The adjusted unit basin states of Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DNA ETA Item 2-4) Area 25% analize than Item 5-1 (i.e., 3% of DNA ETA) Volume of treated runoif for area in Item 5-2 Initial Adjustment of Depth of Surface Item 5-3 from Item 3-3 Divide Item 6-1 by Item 3-2 Convert Item 5-2 from feet to inches If ponding depth in Item 6-3 meets your tar (Note: Overflow outlet elevation should be	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by share [item 3-2] is multiplied by th 1 Event (1 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 7285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pandin ure	Unit basin storage to of any landscaping to effect and supplying the MAP adjusted unit opplying the MAP adjusted Required Capture of DMA EIA (Item 2-4) and of DMA EIA (Item 3-4) and of DMA EIA (Item 3	basin storage volume: nent factor [item 1-8]; Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in frunoff in surface por to Step 7-1.	0.77 9,142 /12 * Item 4-2) in ponding area) itg area) iding area}	
3-2 3-3 4-0 4-1 4-2 5-0 5-1 5-2 5-3 6-1 6-3 6-4 7-0 7-1	(The coefficient for this method is (The adjusted unit basin store (The adjusted unit basin	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by durne [item 3-2] is multiplied by th 1 Event (1) 3. rea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pondin ure 3519	Unit basin storage to of any landscaping to effer Adjusted unit opposition to MAP adjusted unit opposition to MAP adjusted Required Capture of DMA EIA (Item 2-4) and of DMA EIA (Item 3-4) and of DMA E	basin storage volume: nent factor [item 1-8]; Volume (in cubic feet): converted so cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in frunoff in surface por to Step 7-1. res if you need less pand	0.77 9,142 /12 * Item 4-2) in ponding area) it area) iding area} iing depth.) /12 * Item 4-2)	
3-2 3-3 4-0 4-1 4-2 5-0 5-1 5-2 5-3 6-1 6-2 6-3 6-4 7-1 7-3	(The coefficient for this method is (The unit bosin store (The adjusted of Surface A (The adjusted for the area in item 5 (The adjusted for the area in item 7 (The adjusted for the area in item 6 (The adjusted for the ar	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by durne [item 3-2] is multiplied by th 1 Event (1 3. Tea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth (recommend 6"), skip to set based on the calculated pandin ure 3519 5623.97 3517.74 1.00	Unit basin storage to of any landscaping to effer Adjusted unit of applying the MAP adjusts are pured Capture to DMA EVA Pitern 2-4] and to DMA EVA Pitern 3-4] and to DMA EVA Pitern 3-4] and to DMA EVA Pitern 3-4. If not, continue to depth.) Sq.ft. lenter larger and Cubic feet (Amount Depth.)	basin storage volume: nent factor [item 1-8]; Volume (in cubic feet): converted so cubic feet) ent Duration 2 * 5 inches per hour * 1 tof runoff to be stored in frunoff in surface por to Step 7-1. res if you need less pand 1 * 5 inches per hour * 1	9,142 /12 * Item 4-2) in ponding area) itg area) ding area; ling depth.) /12 * Item 4-2) in conding area)	
3-2 3-3 4-0 4-1 4-2 5-0 5-1 5-2 5-3 6-1 6-2 6-3 6-4 7-0 7-3 7-4 7-5	(The coefficient for this method is (The unit bosin store (The adjusted of the Adjusted Adjusted unit bosin (The adjusted and for area in Item 5-2 (The adjusted unit for area in Item 5-2 (The adjusted unit for area in Item 5-3 (The adjusted unit for area in Item 5-3 (The adjusted unit for area in Item 6-3 (The adjusted unit for area in Item 7-3 (The adjusted unit bosin store) (The adjusted unit bosin store and unit bosin store) (The adjusted unit bosin store) (T	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by share [item 3-2] is multiplied by th 1 Event (1 3. Tea of Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth [recommend 6"] skip to set based an the calculated pandin ure 3519 5623.97 3517.74 1.00 12.00	Unit basin storage to of any landscaping to effer Adjusted unit of applying the MAP sajusts are pured Capture to DMA EVA Pitern 2-4] and EVA Pitern 3-4. If not, continue to depth, and the pitern 2-4 Cubic feet (Amount Feet (Depth of stored Inches (Dept	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in frunoff in surface por to Step 7-1. rea if you need less pand I * 5 inches per hour * 1 t of runoff in surface por to Step 7-1.	0.77 9,142 /12 * Item 4-2) in ponding area) itg area) iting depth.) /12 * Item 4-2) in conding area) itg area)	
3-2 3-3 4-0 4-1 4-2 5-1 5-2 5-3 6-1 6-2 7-1 7-2 7-3 7-4 7-5	(The coefficient for this method is (The adjusted unit basin states (The adjusted unit basin states of Calculate the Duration of the Rain Rainfall intensity Divide Item 3-2 by Item 4-1 Preliminary Estimate of Surface A 4% of DNA ETA Item 2-4) Area 25% analize than Item 5-1 (i.e., 3% of DNA ETA) Volume of treated runoif for area in Item 5-2 Initial Adjustment of Depth of Surface Item 5-3 from Item 3-3 Divide Item 6-1 by Item 3-3 Divide Item 6-2 from feet to inches If ponding depth in Item 6-3 meets your tar (Note: Overflow outlet elevation should be Optimize Size of Treatment Mease Enter an area larger than Item 5-2 Volume of treated runoif for area in Item 7-1 Subtract Item 7-2 from Item 3-3 Divide Item 7-3 by Item 7-1	s always 1.0, due to the conversion ge volume [item 3-1] is adjusted by shame [item 3-2] is multiplied by th bevent (a) Treatment Measure 5720.1 4290.075 6856.28 face Ponding Area 2285.43 0.53 6.39 get depth (recommend 6"), skip to set based an the calculated pondin ure 3519 5623.97 3517.74 1.00 12.00 et, stop here. If not, repeat Steps	Unit basin storage to of any landscaping to effer Adjusted unit applying the MAP adjuste Required Capture of DMA EIA-Pitem 2-4] and to compare the DMA EIA-Pitem 3-4. If not, continue to depth, and the DMA EIA-Pitem 3-4. If not, continue to depth, and compare the DMA EIA-Pitem 3-4. If not, continue to depth, and compare the DMA EIA-Pitem 3-4. If not, continue to depth, and compare the DMA EIA-Pitem 3-4. If not, continue to depth, and continue to continue the DMA EIA-Pitem 3-4. If not, continue to continue the DMA EIA-Pitem 3-4. If not, continue the DMA EIA-Pitem 3-4. If	basin storage volume: nent factor [item 1-8].) Volume (in cubic feet): converted to cubic feet) ent Duration 2 * 5 inches per hour * 1 t of runoff to be stored in frunoff in surface por to Step 7-1. rea if you need less pand I * 5 inches per hour * 1 t of runoff in surface por to Step 7-1.	0.77 9,142 /12 * Item 4-2) in ponding area) itg area) iting depth.) /12 * Item 4-2) in conding area) itg area)	



Worksheet for Calculating the Combination Flow and Volume Method

1-2 City application ID: 1-3 Site Address or APN:

1-5 Rainfal Region

1-4 Tract or Parcel Map No:

4-2 Divide Item 3-2 by Item 4-1

5-2 Divide Item 6-1 by Item 5-2

5-2 Area 25% smaller than Item 5-1 (i.e.

5-3. Volume of treated runoff for area in item

G-3 Convert Item G-2 from feet to inches

7-3 Subtract Item 7-2 from Item 3-3

7-5 Corvert Item 7-4 from ft. to inches 7-6 If the ponding depth in Item 7-5 meets target

7-4 Divide Item 7-3 by Item 7-1

6-4 If ponding depth in Item 6-3 meets your target dept

8.0 Surface Area of Treatment Measure for DMA

(Note: Overflow outlet elevation should be set based on the calculated panding depth.)

1-6 Region Mean Annual Precipitation (MAP)

1-7 Site Mean Annual Precipitation (MAP)

the cells shaded in yellow. Cells shaded in light blue contain formulas and values that will be automatically calculated.

Instructions: After completing Section 1, make a copy of this Excel file for each Drainage Management Area within the project. Enter information specific to the project and DMA in

(The 'Ste Mean Annual Precipitation (MAP)" is divided by the MAP for the applicable rain gauge, shawin in Table S-3, below.)

Table 5-3. Unit Basin Storage Volumes in Inches for 80 Percent Capture Using 48-Hour Drawdowns, based on runoff coefficient Station, and Mean Annual Runoff

Precipitation (inches)

2293.616

2749.20

2255.02

Suidance, applicable portions of which are included in this file, in the sheet rains

riance from Chapter 61

Unit hasin storage volume from Table 5-3: 0.64

Cubic feet ittem 5-2 * 5 inches per hour * 1/12 * Item 4-21

Cubic feet (Amount of runoff to be stored in pending area)

Feet (Depth of stored runoff in surface ponding area)

Inches (Depth of stored runoff in surface ponding area)

Sq.ft. Jenter larger area if you need less ponding depth.)

Cubic feet (item 7-1 * 5 inches per hour * 1/12 * Item 4-2) Cubic feet (Amount of runoff to be stored in pending area)

Square feet (Either Item 5-2 or final amount in Item 7-1)

Adjusted unit basin storage volume: 0,77 Inches

MAP adjustment factor is outomatically calculated as: 1.20

Refer to the map in Appendix C of the C.3 Technical Guidance to identify the Rainfall Region for the site.

Total Effective Impervious Area (EIA) 57,340 Square feet

Coefficient of 1.0

(The adjusted unit basin sizing valume [Item 3-2] is multiplied by the DMA EIA [Item 2-4] and converted to cubic feet):

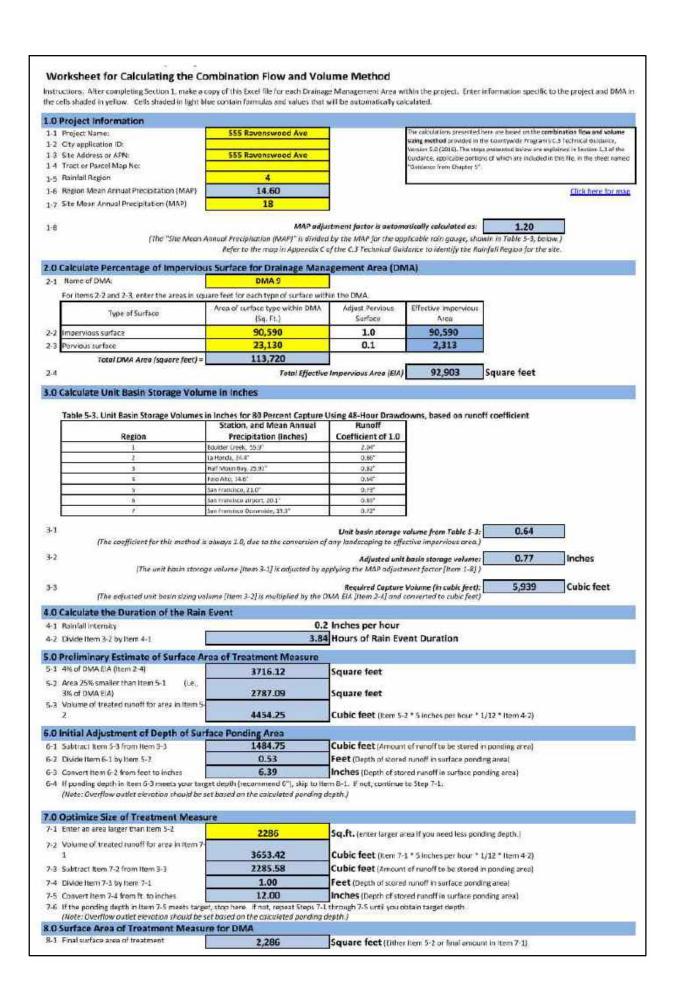
(The adjusted unit basin sizing valume [Item 3-2] is multiplied by the DMA EIA [Item 2-4] and converted to cubic feet):

mmend G'), skip to Item 8-1. If not, continue to Step 7-1.

3.84 Hours of Rain Event Duration

1.00 Feet (Depth of stored runoff in surface ponding area)

12.00 Inches (Depth of stored runoff in surface ponding area)
stop here. If not, repeat Steps 7-1 through 7-5 until you obtain target depth.

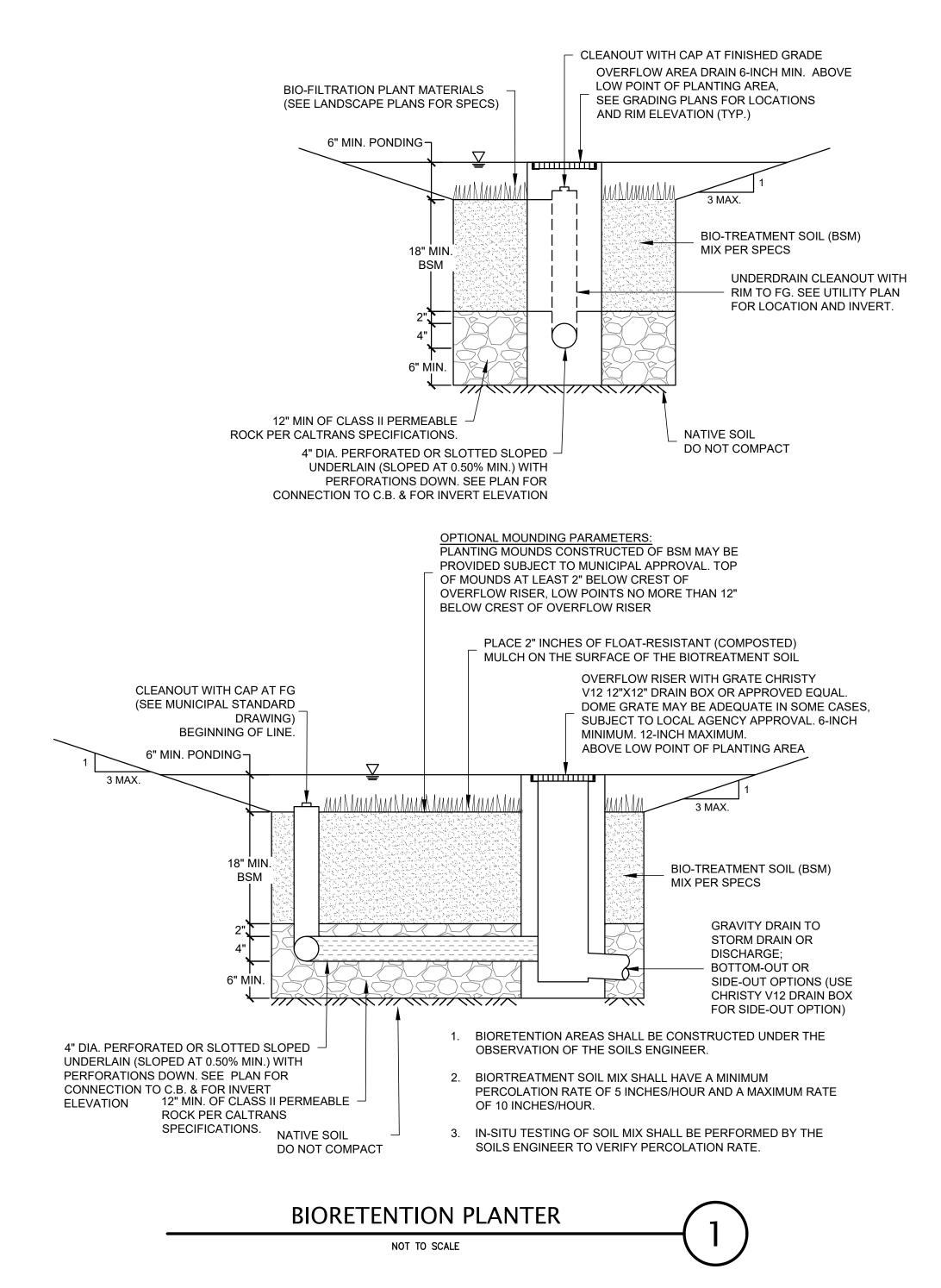








FLOW-VOLUME COMBO METHOD, SEE THIS SHEET FOR DETAILED WORKSHEETS



SURFACE AREA OF THE BIOTREATMENT SOIL SHALL EQUAL 4% OF THE AREA OF OVERFLOW RISER WITH GRATE THE SITE THAT DRAINS TO TREATMENT MEASURE, UNLESS SIZING CALCULATIONS CHRISTY V12 12"X12" DRAIN BOX OR APPROVED EQUAL. ARE SUBMITTED DEMONSTRATING THAT PROVISION C.3 REQUIREMENTS ARE MET DOME GRATE MAY BE ADEQUATE IN SOME CASES, USING A SMALLER SURFACE AREA. SUBJECT TO LOCAL AGENCY APPROVAL. 6-INCH MINIMUM 12-INCH MAXIMUM ABOVE LOW POINT OF PLANTING AREA CLEANOUT WITH CAP AT FIN. ALL BIORETENTION BASIN INLETS SHALL HAVE TRASH GRADE (SEE MUNICIPAL FILTERS INSTALLED PER "DROP INLET TRASH GUARD STANDARD DRAWING) DETAIL" HERON BEGINNING OF LINE. r 6−12 INCHES 1 AAA N AAAAAA NAAAA NAAAA NAAAA NAAAA NAAAA SLOPE WITH PIPE CONCRETE OR OTHER STRUCTURAL PLANTER WALL WITH WATERPROOF MEMBRANE BIO-TREATMENT SOIL MIX (BSM) PER C.3 SPECIFICATIONS. INFILTRATION RATE MIN 5"/HR MAX 10"/HR NATIVE SOIL 12" MIN OF CLASS II PERMEABLE DO NOT COMPACT ROCK PER CALTRANS SPECIFICATIONS. 4" DIA PERFORATED OR SLOTTED SLOPED UNDERLAIN (SLOPED AT 0.50% MIN) WITH PERFORATIONS DOWN. SEE GRAVITY DRAIN TO PLAN FOR CONNECTION TO C.B. & FOR └─STORM DRAIN OR INVERT ELEVATION DISCHARGE FLOW THROUGH PLANTER PROFILE VIEW NOT TO SCALE OVERFLOW DRAIN 6-12 INCH MIN. ABOVE PLANTING AREA, 18" MIN BIO-TREATMENT SOIL MIX SEE GRADING PLANS FOR LOCATIONS (BSM) PER C.3 SPECIFICATIONS AND AND RIM ELEVATION (TYP.) REQUIREMENTS OF SWTG APPENDIX K INFILTRATION RATE MIX 5"/ HR MAX 10"/ HR PLACE 4"Ø MIN. APPROVED COBBLES CLEANOUT WITH CAP -2" BELOW CURB SLOTS FOR MIN. 2' & UNDERLAIN WITH FILTER FABRIC TOP OF WALL **BIO-FILTRATION PLANT MATERIALS** -ALONG BUILDING FACE, WALL SHALL BE 4" (SEE LANDSCAPE PLANS FOR SPECS) ABOVE POND SURFACE 6-12" MIN. PONDING-├──<u>┡</u>N ЛЛЛЛЛ NAANAA N ЛЛЛ<mark>∜</mark>A NAANAA N ЛЛЛЛЫ N ЛЛЛС ТААЛА N ЙЛЛЛА N ЛЛЛЛЫ N ЛЛЛЛА N ЖУУТУ CONCRETE OR OTHER STRUCTURAL —PLANTER WALL WITH WATERPROOF **MEMBRANE** 1. PLACEMENT OF BIOTREATMENT SOIL MIX SHALL BE CONSTRUCTED UNDER THE OBSERVATION OF THE SOILS 12" CLASS II PERMEABLE ROCK PER CALTRANS SPECIFICATIONS 2. SOIL AT BOTTOM OF RETENTION AREA SHALL HAVE A MINIMUM PERCOLATION RATE OF 5 INCHES/HOUR AND A MAXIMUM RATE 4"Ø PERFORATED UNDERDRAIN OF 10 INCHES/HOUR. (SLOPE AT .050% MIN.) WITH -PERFORATIONS DOWN. SEE PLAN FOR 3. IN-SITE TESTING SHALL BE PERFORMED BY THE SOILS CONNECTION TO CATCH BASIN AND FOR ENGINEER TO VERIFY PERCOLATION RATE. INVERT ELEVATION. FLOW-THROUGH PLANTER NOT TO SCALE

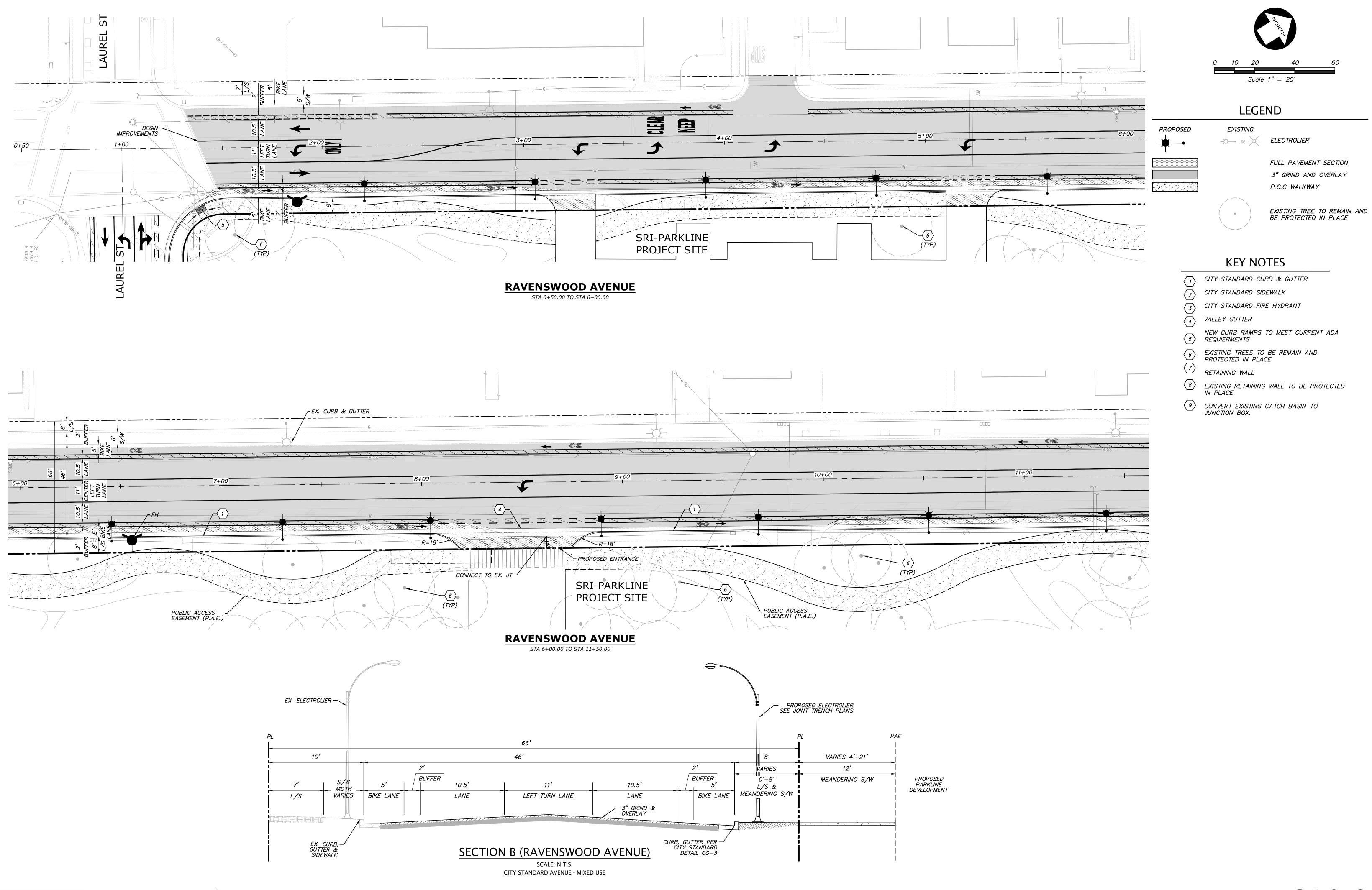
PARKLINE LANE PARTNERS SRI STUDIOS OJB & KIER+WRIGHT TA LUMA

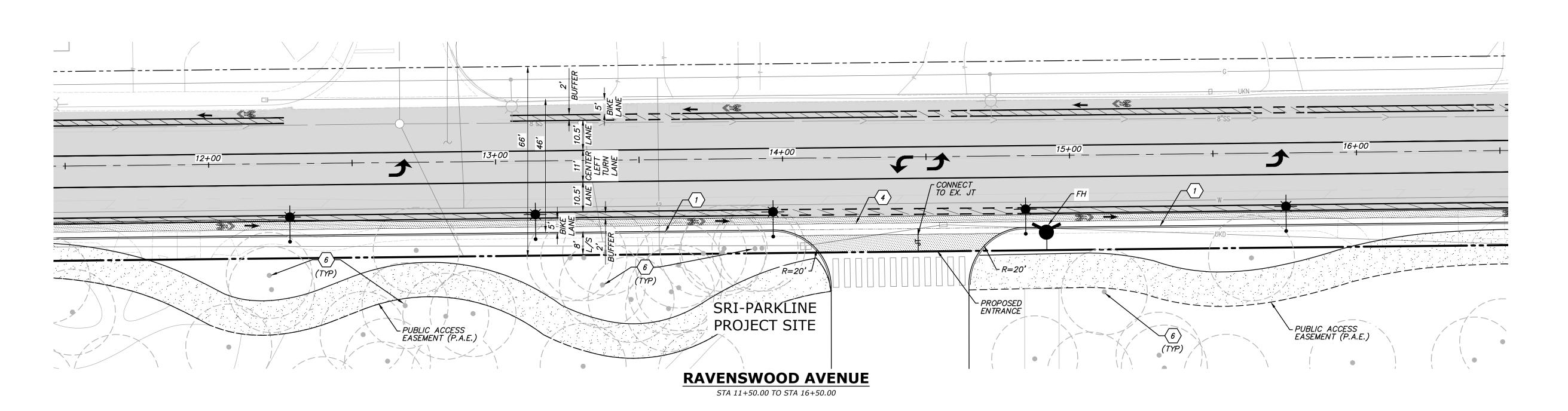


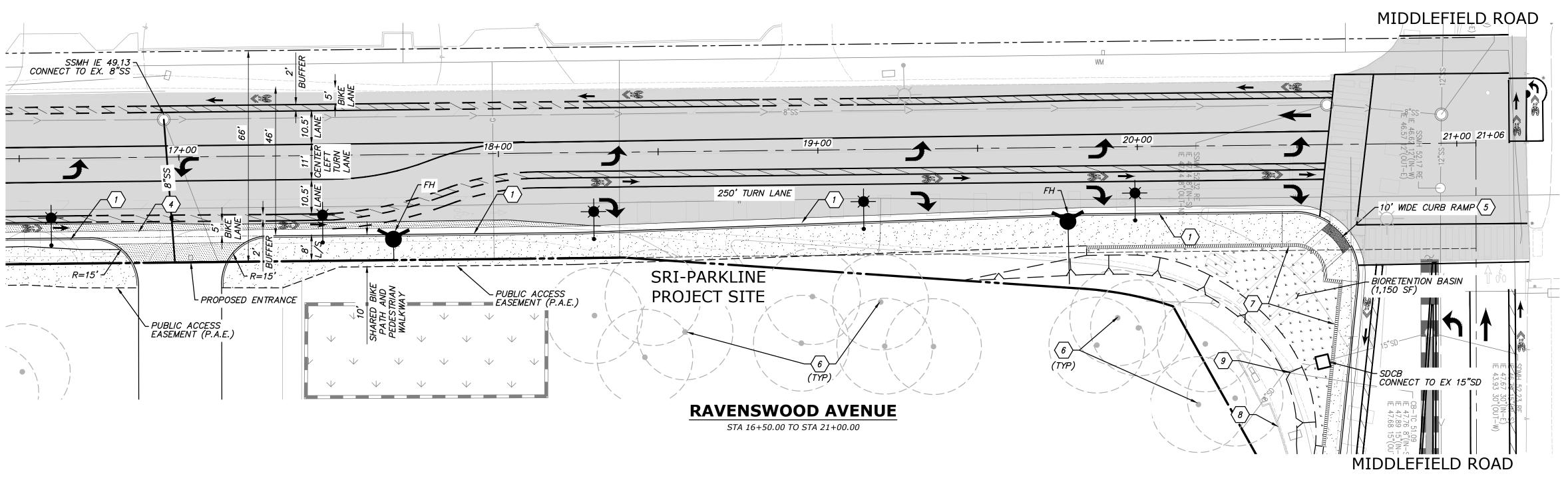


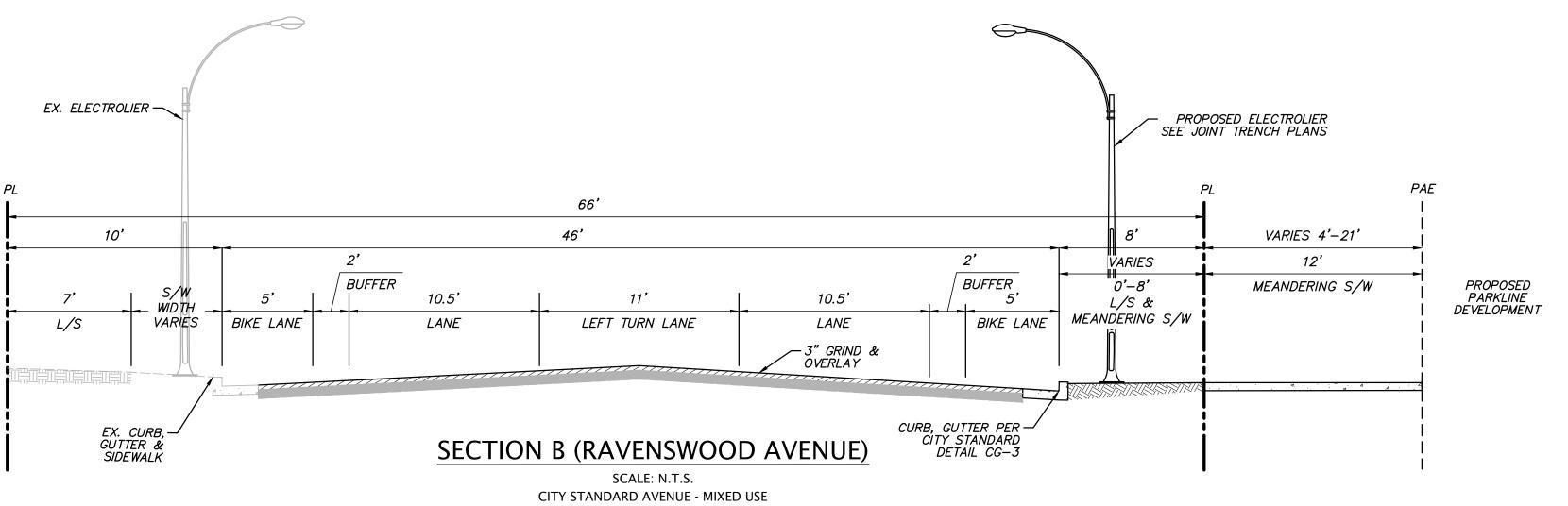


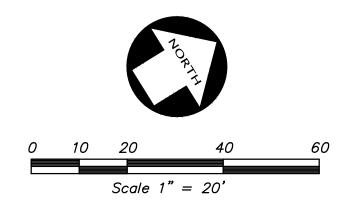


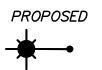




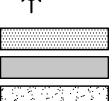




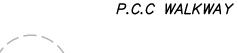




EXISTING * ELECTROLIER



FULL PAVEMENT SECTION 3" GRIND AND OVERLAY





KEY NOTES

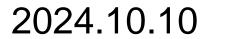
- CITY STANDARD CURB & GUTTER
- CITY STANDARD SIDEWALK
- CITY STANDARD FIRE HYDRANT
- NEW CURB RAMPS TO MEET CURRENT ADA REQUIERMENTS
- EXISTING TREES TO BE REMAIN AND PROTECTED IN PLACE
- RETAINING WALL
- EXISTING RETAINING WALL TO BE PROTECTED IN PLACE
- 9 CONVERT EXISTING CATCH BASIN TO JUNCTION BOX.

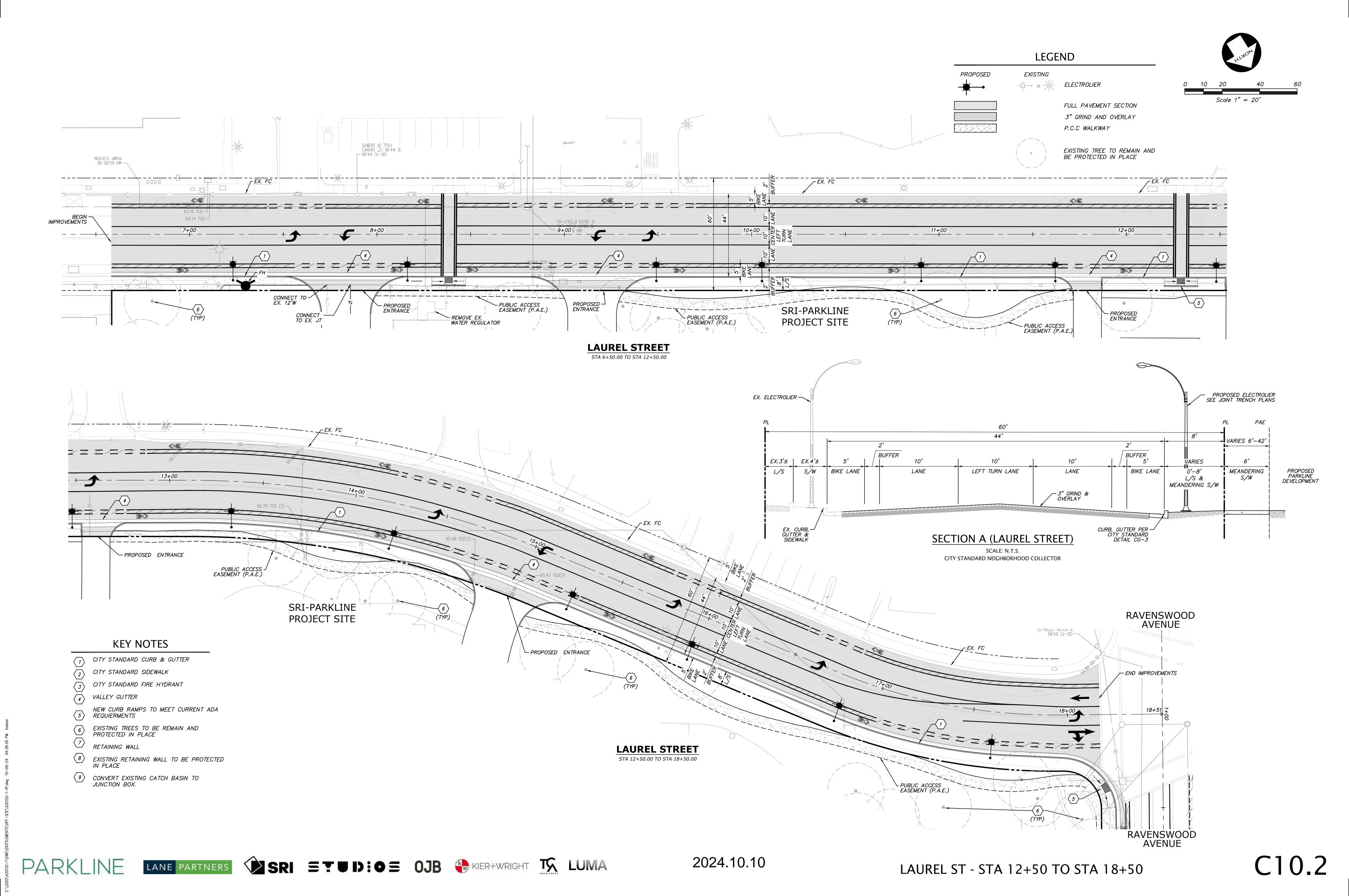


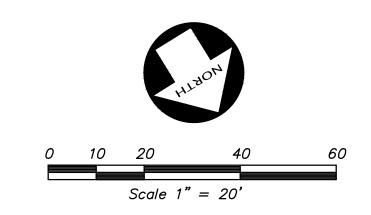




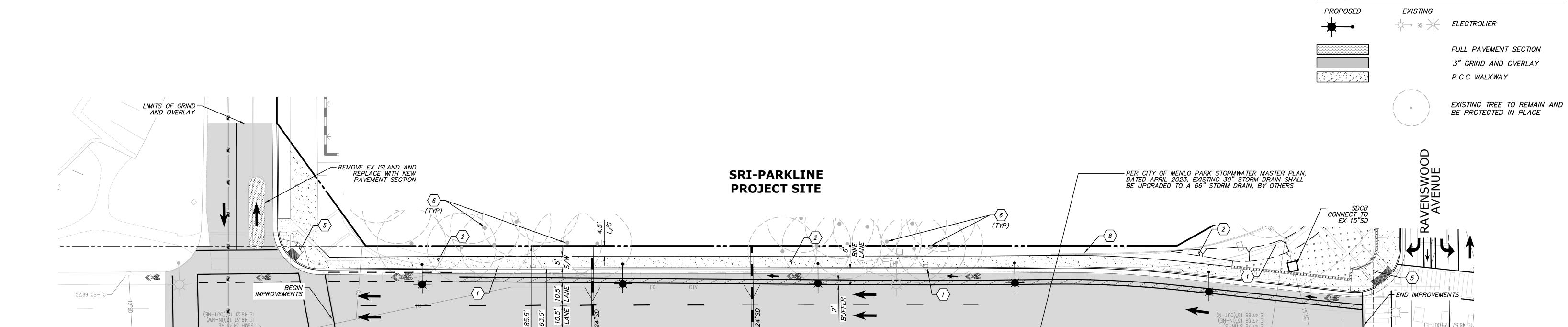








21+33

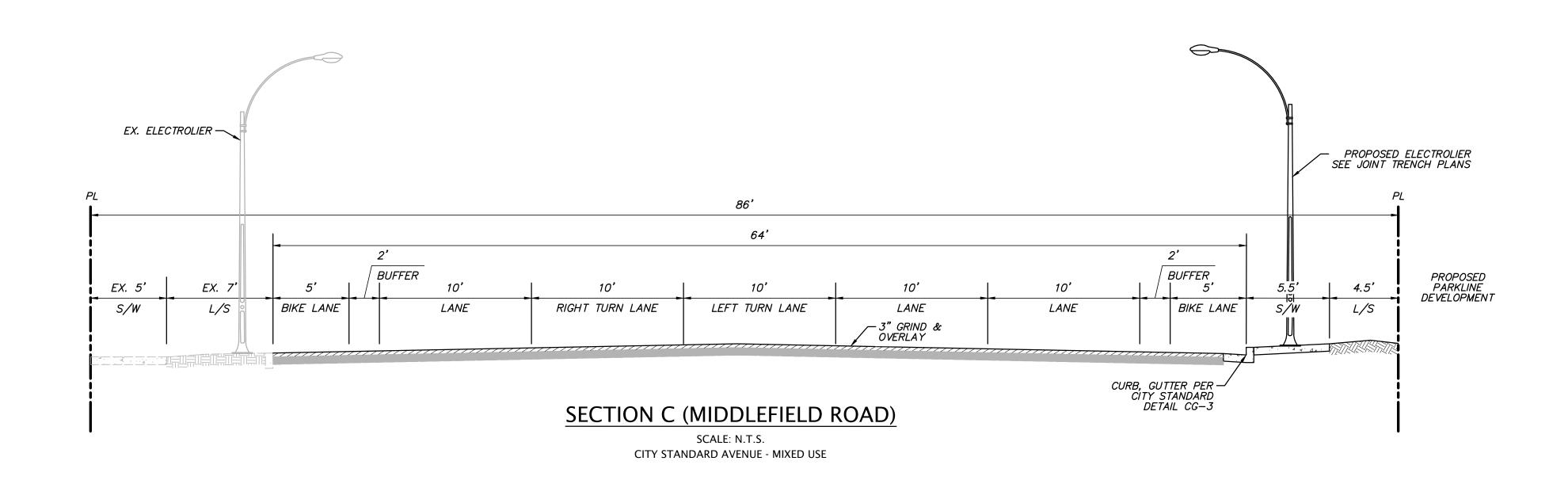


MIDDLEFIELD ROAD STA 16+00.00 TO STA 21+33.00

SDMH
CONNECT TO EX 30"SD

KEY NOTES

- CITY STANDARD CURB & GUTTER
- CITY STANDARD SIDEWALK
- CITY STANDARD FIRE HYDRANT
- NEW CURB RAMPS TO MEET CURRENT ADA REQUIERMENTS
- EXISTING TREES TO BE REMAIN AND PROTECTED IN PLACE
- RETAINING WALL
- 8 EXISTING RETAINING WALL TO BE PROTECTED
- 9 CONVERT EXISTING CATCH BASIN TO JUNCTION BOX.







%

- CONNECT TO FUTURE RECLAIMED WATER MAIN PROVIDED BY CITY





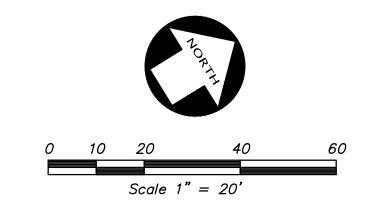
17+00

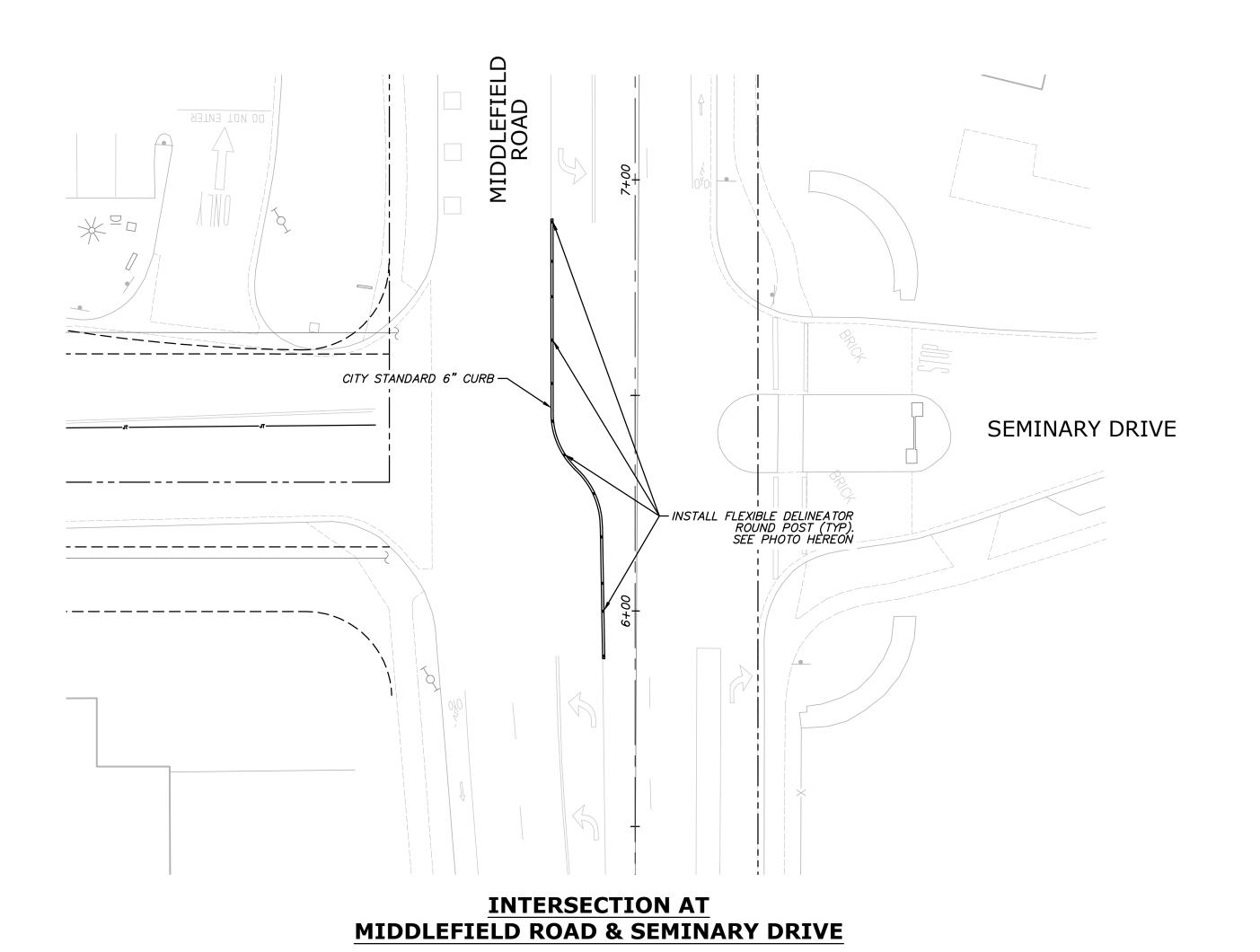


SDMH CONNECT TO EX 30"SD

EX EDGE OF PAVEMENT

IE 46.97 30"(NU-E)







FLEXIBLE DELINEATORS







