



Administrative Approval Action

Case File / Name: SUB-0002-2020
Richland Reserve Subdivision

City of Raleigh
Development Services Department
One Exchange Plaza
Raleigh, NC 27602
(919) 996-2492
currentplanning@raleighnc.gov
www.raleighnc.gov

- LOCATION:** This site is located on the west side of Capital Boulevard (US 1) west of Ponderosa Service Rd at 10807, 10809, 10813 & 10815 Ponderosa Service Rd, Raleigh, NC 27587.
- REQUEST:** Development of a 17.39 acre /757,508 square feet tract zoned Residential-10 for Townhomes. The site has zoning conditions under Z-18-19 and located within the Urban Watershed Protection Overlay District. There will be 94,503square feet/2.17 acres of right-of-way dedicated leaving a net area of 663,005square feet/15.22 acres. The proposed development consists of 108 overall lots, 96 multi-unit townhomes with 12 common Area Lots. Density for the proposed subdivision is 5.52 dwelling units per acre.
- DESIGN
ADJUSTMENT(S)/
ALTERNATES, ETC:** N/A
- FINDINGS:** City Administration finds that this request, with the below conditions of approval being met, conforms to the Unified Development Ordinance. This approval is based on a preliminary plan dated by WithersRavenel.

CONDITIONS OF APPROVAL and NEXT STEPS:

This document must be applied to the second sheet of all future submittals except for final plats. This is a preliminary plan and as such no permits have been issued with this approval. To obtain permits and/or completion of the project, the following steps are required:

☒ **SITE PERMITTING REVIEW** - For land disturbance of 12,000 square feet or greater, public or private infrastructure, shared stormwater devices, etc. Site Permitting Review may be submitted upon receipt of this signed approval document.

The following items are required prior to approval of Site Permitting Review plans:

General

1. Demonstrate compliance with UDO Section 2.2.3.E and revise the required width in the build-to calculation along Zelda Street or "Street C". Applicant may explore Section 11 of TC-19-19 which amended the build-to requirement in UDO Section 2.2.3.E .
2. Demonstrate compliance with the Raleigh Street Design Manual, specifically B-20.01 regarding spacing for bicycle racks.

Engineering

3. Required NCDOT encroachment and/or driveway permits must be approved and copies provided to Development Services – Development Engineering prior to concurrent review approval.

Public Utilities

4. A deed shall be recorded prior to concurrent approval for all necessary offsite City of Raleigh Sanitary Sewer Easements to accommodate future sewer line construction.



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Stormwater

5. A surety equal to of the cost of clearing, grubbing and reseeding a site, shall be paid to the City (UDO 9.4.4).
6. A stormwater control plan with a stormwater operations and maintenance manual and budget shall be approved (UDO 9.2).
7. A nitrogen offset payment must be made to a qualifying mitigation bank (UDO 9.2.2.B).

Urban Forestry

8. Tree protection fence must be inspected by Urban Forestry staff prior to the issuance of a grading permit.
9. Submit a final tree conservation plan that includes metes and bounds descriptions of all tree conservation areas and tree protection fencing as required (UDO 9.1.5).

☒ **LEGAL DOCUMENTS** - Email to legaldocumentreview@raleighnc.gov. Legal documents must be approved, executed, and recorded prior to or in conjunction with the recorded plat on which the associated easements are shown. Copies of recorded documents must be returned to the City within one business day of recording to avoid withholding of further permit issuance.

☒	Slope Easement Required
☒	Stormwater Maintenance Covenant Required

☒	Utility Placement Easement Required

☒ **RECORDED MAP(S)** - Submit plat to record new property lines, easements, tree conservation areas, etc.). Plats may be submitted for review when the Site Permitting Review plans, if required, have been deemed ready for mylar signature.

The following items must be approved prior to recording the plat:

General

1. A demolition permit shall be issued and this building permit number shown on all maps for recording.
2. The City Code Covenant shall be approved by the City and recorded with the county register of deeds office where the property is located and a copy of the recorded document shall be provided to the City by the end of the next business day following the recordation of the final plat. Further recordings and building permits will be withheld if the recorded document is not provided to the City.
3. A recombination plat is recorded prior to or in conjunction of the lot recordation for the subdivision plat, SUB-0002-2020.
4. Street names for this development shall be approved by the Raleigh GIS Division and by Wake County.



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5. A deed for a cross access easement encroachment shall be submitted and approved for recordation for all retaining walls.

Engineering

6. A fee-in-lieu for all improvements along the frontage on Ponderosa Service Road that are not going to be constructed after approval of NCDOT plans and permits is paid to the City of Raleigh (UDO 8.1.10).
7. A 5' utility placement easement and associated deed of easement shall be approved by the City and the location of the easement shall be shown on the map approved for recordation. The deed of easement shall be recorded at Wake County Register of Deeds within one day of recordation of the recorded plat. A recorded copy of these documents must be provided to the Development Services Department within one day from authorization of lot recordation. If recorded copies of the documents are not provided, further recordings and building permit issuance will be withheld.
8. A Slope easement deed of easement shall be approved by City staff and the location of the easement shall be shown on a plat approved for recordation. The deed of easement shall be recorded at Wake County Register of Deeds within one day of recordation of the recorded plat. A recorded copy of these documents must be provided to the Development Services Department within one day from authorization of lot recording. If a recorded copy of the document is not provided, further recordings and building permit issuance will be withheld.
9. The required right of way for proposed and/or existing streets shall be dedicated to the City of Raleigh and shown on the map approved for recordation.
10. A public infrastructure surety is provided to the City of Raleigh Development Services – Development Engineering program (UDO 8.1.3).
11. A public infrastructure surety for 63 street trees is provided to the City of Raleigh Development Services – Development Engineering program (UDO 8.1.3).

Public Utilities

12. Infrastructure Construction Plans (concurrent submittal) must be approved by the City of Raleigh Public Utilities Department for all public water, public sewer and/or private sewer extensions.

Stormwater

13. A payment equal to twenty-four percent (24%) of the estimated cost of constructing all stormwater control facilities shown on the development plans shall be paid by the developer to the City stormwater facility replacement fund (UDO 9.2.2.G.3).
14. The City form document entitled Declaration of Maintenance Covenant and Grant of Protection Easement for Stormwater Control Facilities shall be approved by the City and recorded with the county register of deeds office (UDO 9.2.2.G).
15. The maximum allocated impervious area for all applicable lots in the subdivision should be identified on all maps for recording.



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16. A surety equal to 125% of the cost of the construction of a stormwater device shall be paid to the Engineering Services Department (UDO 9.2.2.D.1.d).
17. The flood prone areas, as approved by the City Stormwater Engineer and shown on the preliminary plan, shall be shown on the recorded map (UDO 9.3.3.G).
18. The riparian buffers, in accordance with the preliminary plan and the State of North Carolina regulations, shall be shown on plats for recording along with required buffer statement (Recorded Map Checklist).
19. All stormwater control measures and means of transporting stormwater runoff to and from any nitrogen and stormwater runoff control measures shall be shown on all plats for recording as private drainage easements (UDO 9.2).
20. If demolition causes a land disturbance of more than 12,000 sf, a mass grading permit will be required. (UDO 9.4.6)

Urban Forestry

21. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas and UWPOD areas (UDO 9.1). This development proposes 2 acres of tree conservation area and 5.84 acres of UWPOD Wooded Areas.

☒ **BUILDING PERMITS** - For buildings and structures shown on the approved plans. Commercial building permit plans must include the signed, approved Site Permitting Review plans attached, if applicable. Permit sets may be reviewed prior to the recordation of required plats, but cannot be approved.

The following items must be approved prior to the issuance of building permits:

General

1. A recombination map shall be recorded prior to or in conjunction with the recording of lots, recombining the existing lot into a single tract.
2. Street names for this development shall be approved by the Raleigh GIS Division and by Wake County.
3. Townhome elevations shall demonstrate compliance with UDO Section 2.2.3.F and UDO Section 1.5.7.A as amended by TC-4-20.

Public Utilities

4. A plat must be recorded at the Wake County Register of Deeds office for all utility easement dedications, right of way dedications, and subdivisions.

Urban Forestry



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5. A tree impact permit must be obtained for the approved streetscape tree installation in the right of way. This development proposes 9 street trees along Zelda Street, 9 street trees along Fishing Pond Lane, 45 street trees along Brookside Reserve Road.
6. A tree conservation plat shall be recorded with metes and bounds showing the designated tree conservation areas (UDO 9.1).

The following are required prior to issuance of building occupancy permit:

General

1. Final inspection of all tree conservation areas and right of way street trees by Urban Forestry Staff

Stormwater

2. As-built drawings and associated forms for all Stormwater devices are accepted by the Engineering Services Department (UDO 9.2.2.D.3).

EXPIRATION DATES: If significant construction has not taken place on a project after preliminary subdivision approval, that approval may "sunset" and be declared void, requiring re-approval before permits may be issued. To avoid allowing this preliminary approval to "sunset", the following must take place by the following dates:

3-Year Sunset Date: October 26, 2024
Record at least ½ of the land area approved.

5-Year Sunset Date: October 26, 2026
Record entire subdivision.

I hereby certify this administrative decision.

Signed: *Alysis Bailey Taylor* **Date:** 06/29/2021
Development Services Dir/Designee
Staff Coordinator: Jermont Purifoy

PRELIMINARY SUBDIVISION PLANS FOR RICHLAND RESERVE

6th Submittal: JUNE 3, 2021



Digitally signed by
info@foremostpavinginc.com
 DN:
 cn=Foremost Paving Inc, o=Foremost Paving Inc, c=US
 Date: 2022.08.07 13:34:21 -0400

NOTE:
DATE SHOWN AS PER WAKE COUNTY GIS AND FOR INFORMATION PURPOSES ONLY. FOR ATTACHED
IS IN SHEET C1.0 AND WAKE COUNTY GIS RECORDS. SEE PARCEL ADDRESSES 18A11 AND 18B15
ARE IDENTIFIED AS ONE PARCEL BY DEED BOOK 10184 PAGE 181. SIMILARLY, ONE PARCEL
ADDRESSES 18A17 AND 18B16 ARE IDENTIFIED AS ONE PARCEL BY DEED BOOK 1000 PAGE 100. AS
PART OF THIS PROPOSED SUBDIVISION PROJECT, PARCELS SHALL BE RECOMBINED INTO ONE LOT.

EXISTING CONDITIONS AND DEMOLITION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL COORDINATE ALL REMOVAL EFFORTS WITH THE OWNER PRIOR TO COMMENCING WORK.
3. SPECIAL CARE SHALL BE TAKEN TO PROTECT AND MAINTAIN ALL EXISTING FEATURES, INCLUDING BELOW GROUND, NOT INTENDED FOR REMOVAL, BY THE EXISTENCE OF ANY IMPACT TO SUCH FEATURES. THE CONTRACTOR SHALL PERFORM REPAIR AND/OR RESTORE TO ORIGINAL CONDITION AS OF DATE OF WORK.
4. NO DEMOLITION DEBRIS TO BE STORED ON SITE. ALL DEMOLITION MATERIALS TO BE PROPERLY REMOVED FROM THE SITE OR PLACED IN APPROPRIATE CONTAINERS.
5. TRAFFIC CONTROL IS CONTRACTOR RESPONSIBILITY.
6. SHUT-OUT EXISTING ASPHALT AT LOCATION SHOWN ON PLANS.
7. SEE DEMOLITION SCHEDULE TO BE PROVIDED BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FOR ANY WORK WHICH REQUIRES THE CLOSURE OF A TRAVEL LANE AND/OR REDUCTION FROM THE TRANSPORTATION DEPARTMENT (DEPARTMENT OF WORKS) DEPARTMENT.
9. ALL REMOVALS MUST BE ACCESSIBLE TO PERSONS WHO USE BIKES, WALK, COY BIKEN AND PEOPLE WITH MOBILITY CHALLENGES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION MUST BE AVAILABLE TO COMPLY WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (POWAG). SEE EACH STANDARD FOR ACCESSIBLE DESIGN AND THE MANUAL ON URBAN TRAFFIC CONTROL, SOURCE: MOTCS.
10. IF UNIFORM CONSTRUCTION DEVELOPMENT DURING CONSTRUCTION, REFER TO CITY OF RALEIGH STREET DESIGN MANUAL, AND CONTACT PUBLIC WORKS DEPARTMENT FOR FURTHER CLARIFICATION.
11. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL SO FIDELITY A PRE-CONSTRUCTION MEETING WITH THE CITY OF RALEIGH PUBLIC WORKS DEPARTMENT (TRANSPORTATION) FIELD SERVICES START TO REVIEW THE SPECIFIC COMPONENTS OF THE PLANNING OPERATIONS. THESE FIELD SERVICES DURING CONSTRUCTION, CONTRACT ENGINEERING INSPECTIONS AT 10:00AM TO SET UP THE MEETING.
12. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INTERFERENCE TO TRAFFIC.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE LATEST MOST CURRENT EDITIONS.
14. ANY TEMPORARY STREET CLOSURE MUST BE SUBMITTED A MINIMUM OF 2 WEEKS PRIOR TO THE START OF WORK. SEE TRUCK-TRAILWAY CLOSURE ON [WWW.raleighnc.gov/transportation/traffic-control](https://www.raleighnc.gov/transportation/traffic-control) COMPLETE AND SEND THE TRUCK-TRAILWAY CLOSURE PERMIT TO TRUCK-TRAILWAY-CLOSURE@raleighnc.gov.
15. PRIOR TO CONSTRUCTION BEGINNING, ALL MESSAGE AND TRAFFIC CONTROL SHALL BE IN PLACE.
16. CONTRACTOR IS EXPLICITLY ADVISED TO HELL LOCAL AND VISIBILITY LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS IS APPROXIMATE BASED ON BEST AVAILABLE INFORMATION AND SHOULD BE CONFIRMED APPROXIMATELY.
17. CONTRACTOR TO REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT/ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTACT NC ONE AT 811 FOR REEL LOCATION OF UNDERGROUND UTILITIES.
18. TOPOGRAPHIC SURVEY INFORMATION COLLECTED BY WITHERS RAVENEL IN DECEMBER 2018. BOUNDARY INFORMATION PROVIDED BY SATURN L.L.C. SURVEY COMPANY. SATELITE IMAGERY, WITHERS RAVENEL ASSUMES NO RESPONSIBILITY OF ACCURACY OF BOUNDARY DATA.



Revisions		
1	PER COR COMMENTS	07/21/20
2	PER COR COMMENTS	08/14/20
3	PER COR COMMENTS	12/07/20
4	PER COR COMMENTS	04/17/21
5	PER COR COMMENTS	05/06/21
6	PER COR COMMENT	06/03/21

MATCHLINE - SEE SHEET C1.3

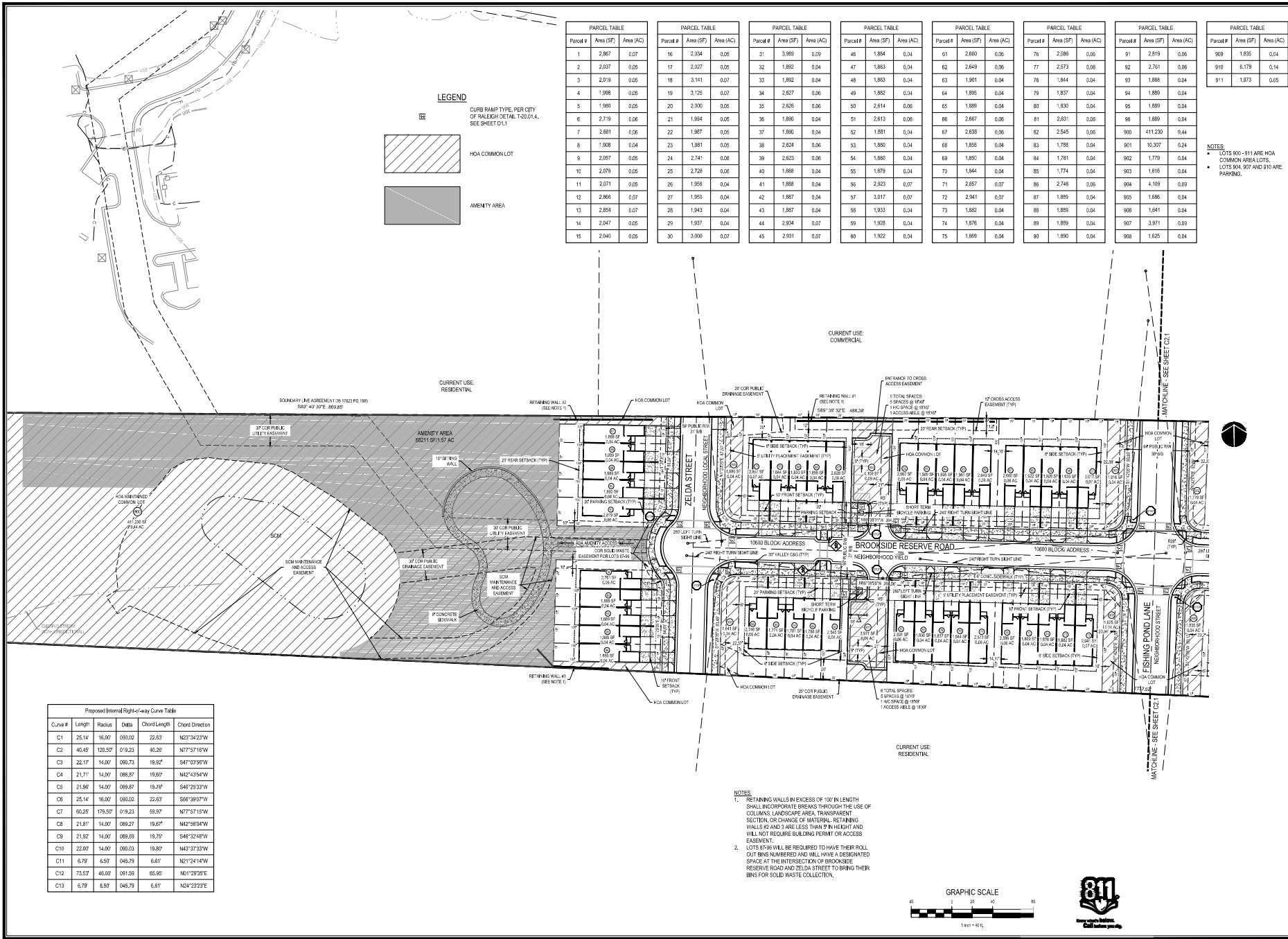
MATCHLINE - SEE SHEET C1.1

NOTE:
LOTS SHOWN AS PER WAKE COUNTY GIS AND FOR INFORMATION
PURPOSES ONLY. PER ATTACHED ALIEN GRANT AND WAKE
COUNTY DEED RECORDS, THE PARCEL ADDRESSES 10711 AND 10815
ARE DESIGNATED AS ONE PARCEL, BY DEED BOOK 10118 PAGE 1001.
SIMILARLY, THE PARCEL ADDRESSES 11607 AND 11609 ARE DESIGNATED
AS ONE PARCEL, BY DEED BOOK 10618 PAGE 1001. AS PART OF THE
PROPOSED SUBDIVISION PROJECT, PARCELS SHALL BE RECOMMENDED
IN TO ONE LOT.

LEGEND			
WATER VALVE	WV	TELEPHONE PROTECT	TOP
UTILITY POLE	UP	SINGLE POLE SIGN	ST
ELECTRIC TRANSFORMER	TR	FIRE HYDRANT	FH
GUY WIRE	GW	EXISTING STRUCTURE TO BE REMOVED	
DATA			
WALKER			
TRUCK			
PHONE			







Proposed Internal Right-of-Way Curve Table				
Curve #	Length	Radius	Delta	Chord Length
C1	25.14'	16.00'	080.02°	22.83'
C2	40.45'	120.50'	019.23°	40.26'
C3	22.17'	14.00'	080.73°	19.82'
C4	21.71'	14.00'	088.87°	19.80'
C5	21.86'	14.00'	089.87°	19.79'
C6	25.14'	16.00'	080.02°	22.83'
C7	60.25'	179.50'	019.23°	59.97'
C8	21.81'	14.00'	089.27°	19.83'
C9	21.82'	14.00'	089.89°	19.79'
C10	22.00'	14.00'	080.03°	19.80'
C11	6.79'	6.50'	045.79°	6.61'
C12	73.53'	46.00'	081.58°	66.95'
C13	6.79'	6.50'	045.79°	6.61'

PARCEL TABLE			PARCEL TABLE			PARCEL TABLE			PARCEL TABLE			PARCEL TABLE			PARCEL TABLE			PARCEL TABLE		
Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)	Parcel #	Area (SF)	Area (AC)
1	2,867	0.07	16	2,034	0.05	31	3,969	0.09	46	1,884	0.04	61	2,680	0.06	76	2,586	0.06	91	2,919	0.06
2	2,037	0.05	17	2,027	0.05	32	1,892	0.04	47	1,883	0.04	62	2,649	0.06	77	2,573	0.06	92	2,761	0.06
3	2,019	0.05	18	3,141	0.07	33	1,892	0.04	48	1,883	0.04	63	1,901	0.04	78	1,844	0.04	93	1,888	0.04
4	1,998	0.05	19	3,125	0.07	34	2,827	0.06	49	1,882	0.04	64	1,895	0.04	79	1,837	0.04	94	1,889	0.04
5	1,980	0.05	20	2,000	0.05	35	2,626	0.06	50	2,814	0.06	65	1,889	0.04	80	1,830	0.04	95	1,889	0.04
6	2,719	0.06	21	1,994	0.05	36	1,890	0.04	51	2,813	0.06	66	2,687	0.06	81	2,631	0.06	96	1,889	0.04
7	2,681	0.06	22	1,987	0.05	37	1,890	0.04	52	1,881	0.04	67	2,638	0.06	82	2,545	0.06	97	1,889	0.04
8	1,908	0.04	23	1,981	0.05	38	2,824	0.06	53	1,890	0.04	68	1,855	0.04	83	1,788	0.04	98	1,889	0.04
9	2,057	0.05	24	2,741	0.06	39	2,823	0.06	54	1,890	0.04	69	1,850	0.04	84	1,781	0.04	99	1,889	0.04
10	2,076	0.05	25	2,728	0.06	40	1,888	0.04	55	1,879	0.04	70	1,844	0.04	85	1,774	0.04	100	411,230	9.44
11	2,071	0.05	26	1,956	0.04	41	1,888	0.04	56	2,523	0.07	71	2,857	0.07	86	2,746	0.06	101	10,307	0.24
12	2,866	0.07	27	1,950	0.04	42	1,887	0.04	57	3,017	0.07	72	2,941	0.07	87	1,889	0.04	102	1,816	0.04
13	2,854	0.07	28	1,943	0.04	43	1,887	0.04	58	1,833	0.04	73	1,882	0.04	88	1,889	0.04	103	1,816	0.04
14	2,047	0.05	29	1,937	0.04	44	2,934	0.07	59	1,828	0.04	74	1,876	0.04	89	1,889	0.04	104	1,816	0.04
15	2,040	0.05	30	3,000	0.07	45	2,931	0.07	60	1,822	0.04	75	1,869	0.04	90	1,890	0.04	105	1,816	0.04

NOTES:
• LOTS 900 - 911 ARE HOA COMMON AREA LOTS.
• LOTS 904, 907 AND 910 ARE PARKING.

WithersRavenel
Engineers | Planners

PRELIMINARY SUBDIVISION
PLANS FOR
RICHLAND RESERVE

RALEIGH, NC

SUBDIVISION PLAN

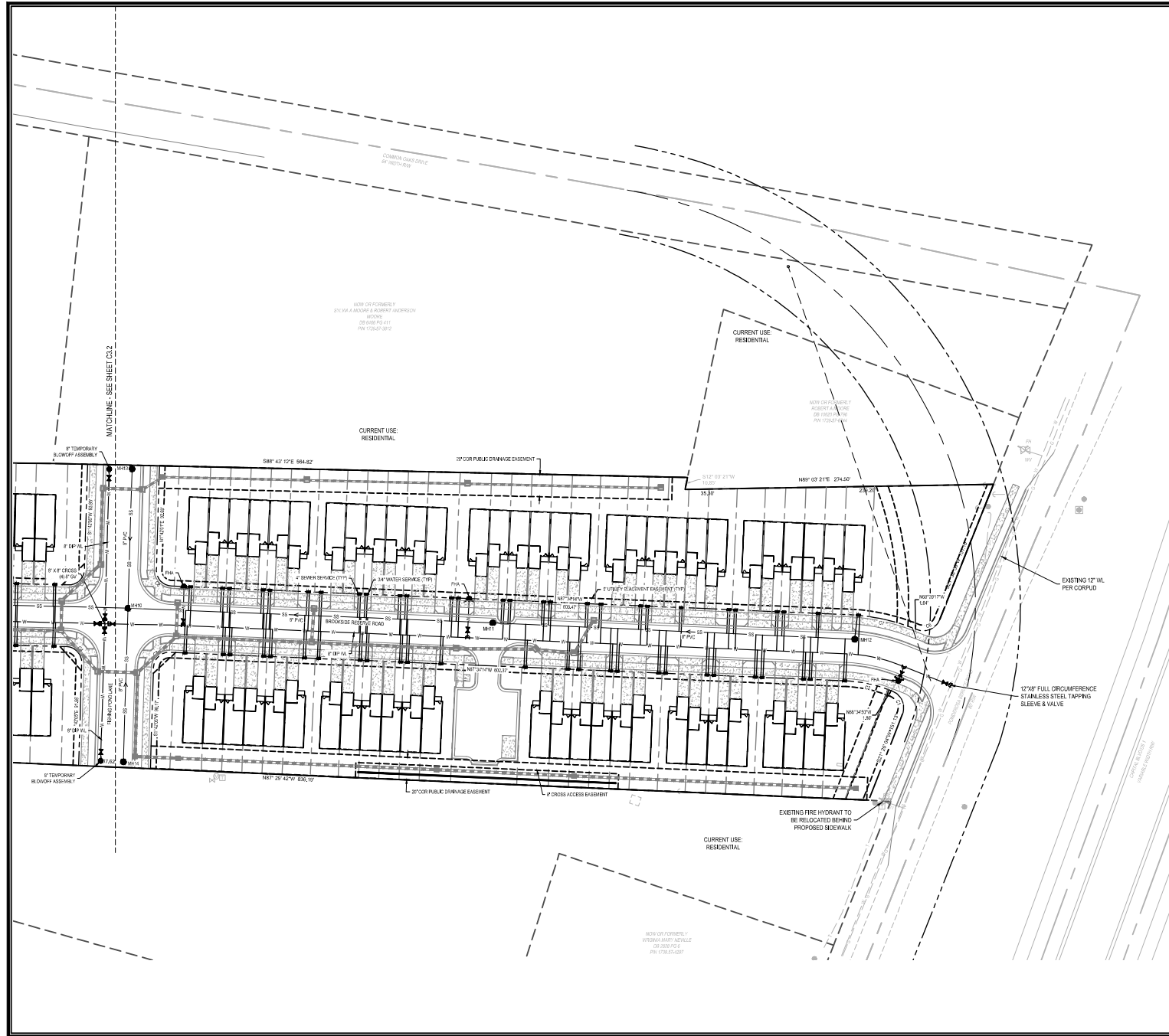
NO. 691100028.00
DATE: 01-23-2020
DRAWN BY: WRL
CHECKED BY: WRL

Revisions
1 PER COR COMMENTS 07/21/20
2 PER COR COMMENTS 08/14/20
3 PER COR COMMENTS 12/07/20
4 PER COR COMMENTS 04/17/21
5 PER COR COMMENTS 05/06/21
6 PER COR COMMENTS 06/03/21

Sheet No.
C2.2

\\0010100028\00028.dwg (1/23/2020 10:00:00 AM) User: WRL Plot Size: 11.00 x 17.00 Inches Scale: 1/8" = 1'-0" Title: RICHMOND RESERVE

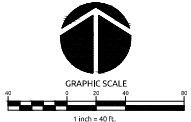
WithersRavenel Engineers Planners		227 Yorkland Street Suite 202 Raleigh, NC 27601 P: 919.434.2400 E: info@wr.com www.withersravenel.com
PRELIMINARY SUBDIVISION PLANS FOR RICHLAND RESERVE		RALEIGH, NC
OVERALL UTILITY PLAN		
No.	Date	Description
07/2009-08/10	07/20/2020	DRAWN BY WSR
01/23/2020	01/23/2020	DESIGNED BY WSR
Revised:		
PER COR COMMENTS	07/21/20	
PER COR COMMENTS	08/14/20	
PER COR COMMENTS	12/07/20	
PER COR COMMENTS	04/17/21	
PER COR COMMENTS	05/06/21	
PER COR COMMENT	04/03/21	
Sheet No.		C3.0



SANITARY SEWER STRUCTURE TABLE					
STRUCTURE	INVERT	STRUCTURE #	INVERT	INVERT	OUT
MH1	256.38	MH2	244.25		
MH2	255.33	MH3	255.20	256.00	
MH3	267.42	MH4	254.50	255.00	
MH4	260.40	MH5	274.20	274.20	
MH5	255.00	MH6	251.36	251.78	
MH6	252.02	MH7	255.30	255.35	
MH7	250.00	MH8	257.20	257.00	
MH8	255.17	MH9	252.22	252.22	250.22
MH9	251.53	MH10	257.33	257.43	
MH10	252.88	MH11	255.25	255.25	251.05
MH11	255.25	MH12	255.30	255.30	
MH12	245.29				245.00
MH13	251.48	MH14	255.25	255.25	
MH14	255.00				251.07
MH15	254.00				250.79
MH16	258.00				256.80

SANITARY SEWER SYSTEM DATA									
DOWNSTREAM STRUCTURE	UPSTREAM STRUCTURE	SIZE	LENGTH	SLOPE	MATERIAL	UPSTREAM INVERT	DOWNSTREAM INVERT		
MH1	MH2	8"	16.38'	2.00%	60 mil PVC Pipe	256.38	244.25		
MH2	MH3	8"	122.61'	2.00%	60 mil PVC Pipe	255.33	256.00		
MH3	MH4	8"	215.00'	9.50%	60 mil PVC Pipe	267.42	254.50		
MH4	MH5	8"	138.28'	9.50%	60 mil PVC Pipe	260.40	274.20		
MH5	MH6	8"	142.24'	9.00%	60 mil PVC Pipe	255.00	251.36		
MH6	MH7	8"	128.20'	1.00%	60 mil PVC Pipe	252.02	255.30		
MH7	MH8	8"	255.21'	2.00%	60 mil PVC Pipe	250.00	257.20		
MH8	MH9	8"	118.22'	1.41%	60 mil PVC Pipe	255.17	252.22		
MH9	MH10	8"	86.82'	1.00%	60 mil PVC Pipe	251.53	257.33		
MH10	MH11	8"	255.60'	1.00%	60 mil PVC Pipe	252.88	255.25		
MH11	MH12	8"	132.44'	3.00%	60 mil PVC Pipe	255.25	255.30		

LEGEND			
WATER VALVE	1/4" W	TELEPHONE REDESKIT	TLP
UTILITY POLE	PP	SINGLE POLE SIGN	S1
ELECTRIC TRANSFORMER	TRANS	FIRE HYDRANT	FI
BUY WARE	GP		
GAS			
WATER			
PHONE			





WithersRavenel
Engineers | Planners

**PRELIMINARY SUBDIVISION
PLANS FOR
RICHLAND RESERVE**

RALEIGH, NC

UTILITY PLAN

DATE: 07/23/2020
TIME: 11:53:14 AM
USER: jk2004
PLOT: 845003.dwg

**PRELIMINARY
NOT APPROVED FOR
CONSTRUCTION**

Revisions

1	PER COR COMMENTS	07/23/20
2	PER COR COMMENTS	08/14/20
3	PER COR COMMENTS	12/07/20
4	PER COR COMMENTS	04/17/21
5	PER COR COMMENTS	05/06/21
6	PER COR COMMENT	06/03/21

Sheet No:
C3.1



SANITARY SEWER SYSTEM DATA					
COMB. TOWNSHIP	UPSTREAM RECEPTOR	DATE	LENGTH	DIAMETER	CONSTRUCTED
001	M42	01/05/2019	8.00	24.00	2010.00
002	M42	01/05/2019	12.00	24.00	2010.00
003	M44	01/05/2019	6.00	24.00	2145.00
004	M45	01/05/2019	18.00	24.00	2010.00
005	M46	01/05/2019	18.00	24.00	2010.00
006	M47	01/05/2019	10.00	24.00	2010.00
007	M48	01/05/2019	10.00	24.00	2010.00
008	M49	01/05/2019	11.00	24.00	2010.00
009	M50	01/05/2019	8.00	24.00	2010.00
010	M51	01/05/2019	10.00	24.00	2010.00
011	M52	01/05/2019	20.00	24.00	2010.00
012	M53	01/05/2019	10.00	24.00	2010.00
013	M54	01/05/2019	18.00	24.00	2010.00
014	M55	01/05/2019	10.00	24.00	2010.00
015	M56	01/05/2019	10.00	24.00	2010.00
016	M57	01/05/2019	10.00	24.00	2010.00
017	M58	01/05/2019	10.00	24.00	2010.00
018	M59	01/05/2019	10.00	24.00	2010.00
019	M60	01/05/2019	10.00	24.00	2010.00
020	M61	01/05/2019	10.00	24.00	2010.00
021	M62	01/05/2019	10.00	24.00	2010.00
022	M63	01/05/2019	10.00	24.00	2010.00
023	M64	01/05/2019	10.00	24.00	2010.00
024	M65				

0 20 40 60

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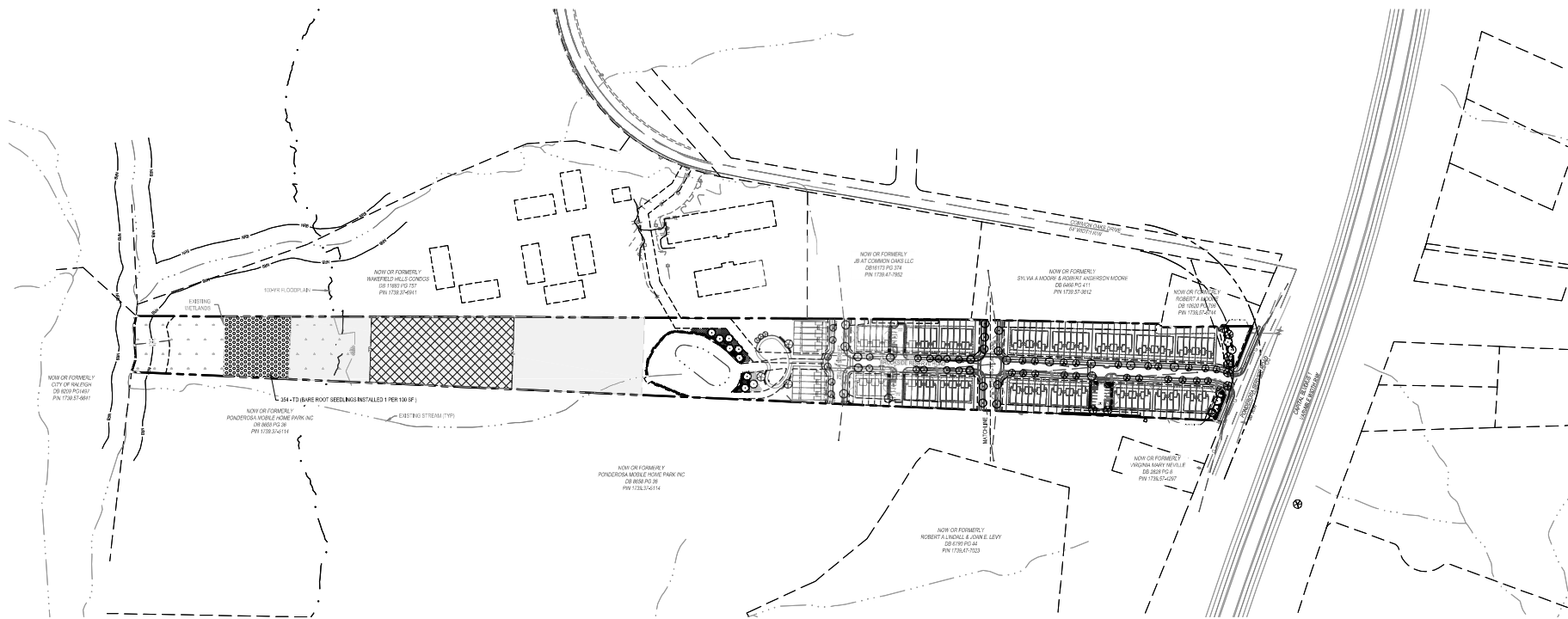
Job No.	09190028.00	Drawn By	WR
Date	01/23/2020	Designer	WR

Revisions		
1	PER COR COMMENTS	07/21/20
2	PER COR COMMENTS	08/14/20
3	PER COR COMMENTS	12/07/20
4	PER COR COMMENTS	04/17/21
5	PER COR COMMENTS	05/06/21
6	PER COR COMMENT	06/03/21

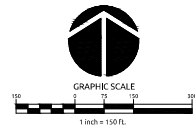
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C3.2

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- LEGEND:**
- WUPCO-WOODED AREA (PLANTED)
 - WUPCO-WOODED AREA (PRESERVED)
 - SECONDARY TREE CONSERVATION AREA
 - TREE PROTECTION FENCING
 - C3 PROTECTIVE YARD



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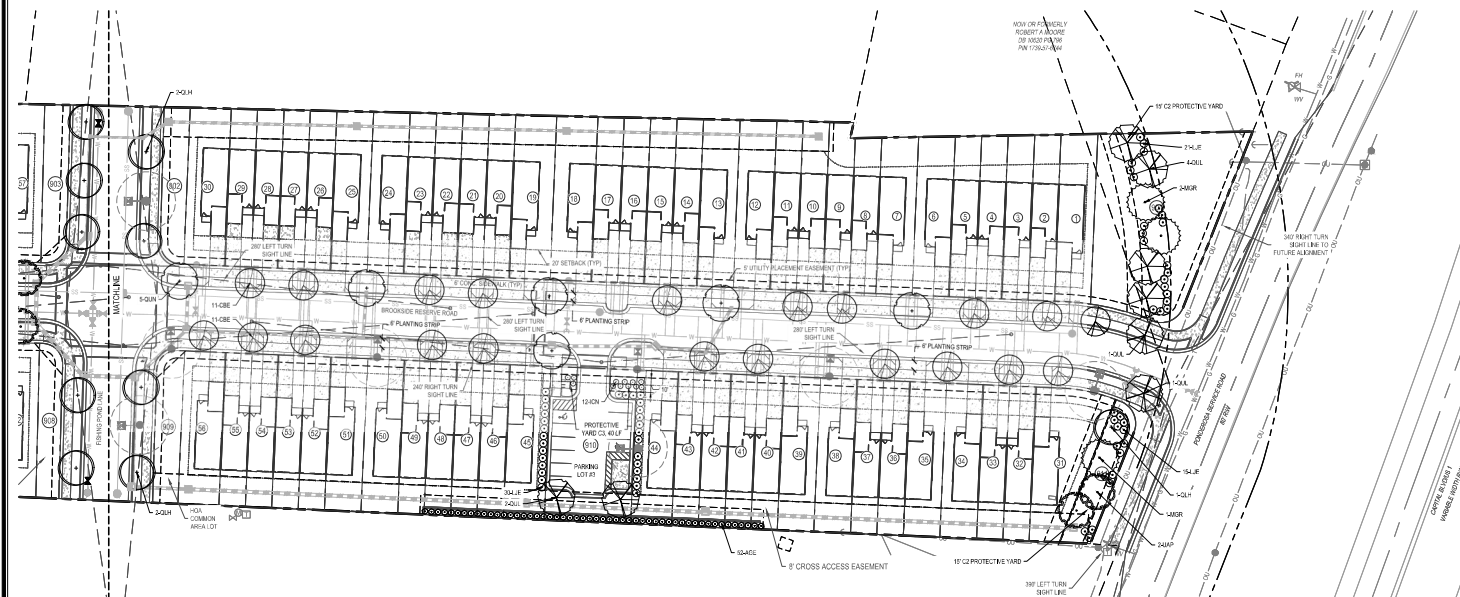
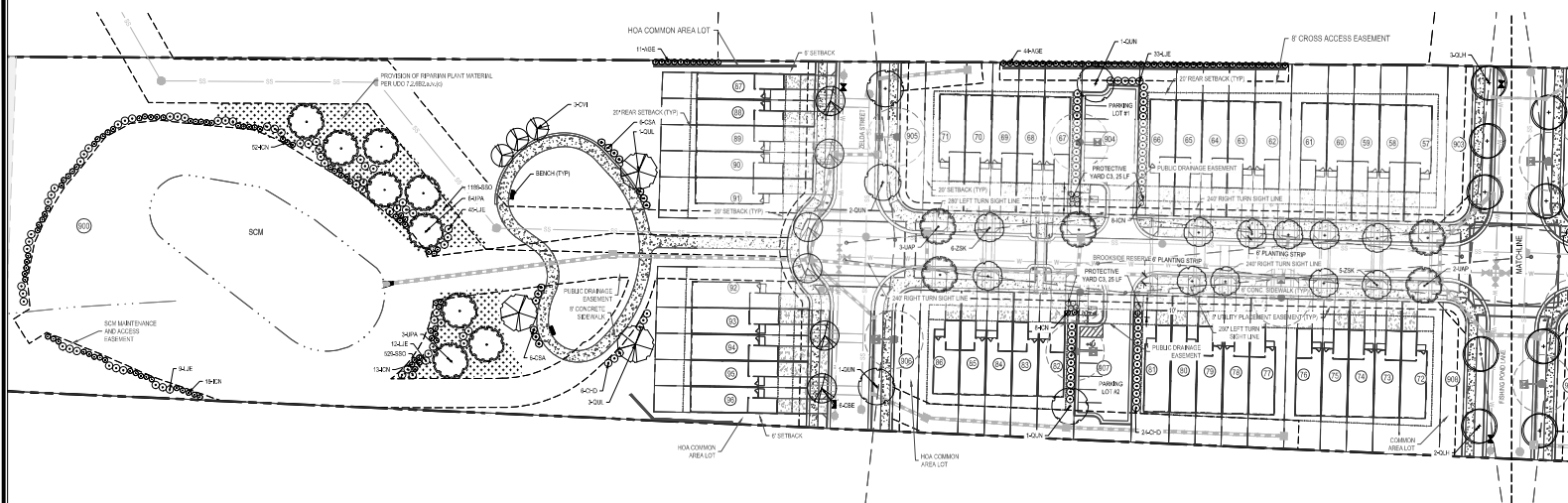
OVERALL LANDSCAPE
PLAN

NO. 001	09/11/2020	Drawn By	WR
NO. 001	09/11/2020	Checked By	WR

1	PER COR COMMENTS	07/21/20
2	PER COR COMMENTS	08/14/20
3	PER COR COMMENTS	12/07/20
4	PER COR COMMENTS	04/17/21
5	PER COR COMMENTS	05/06/21
6	PER COR COMMENT	06/03/21

Sheet No.

L2.0



- [illegible]



1 inch = 40 ft.