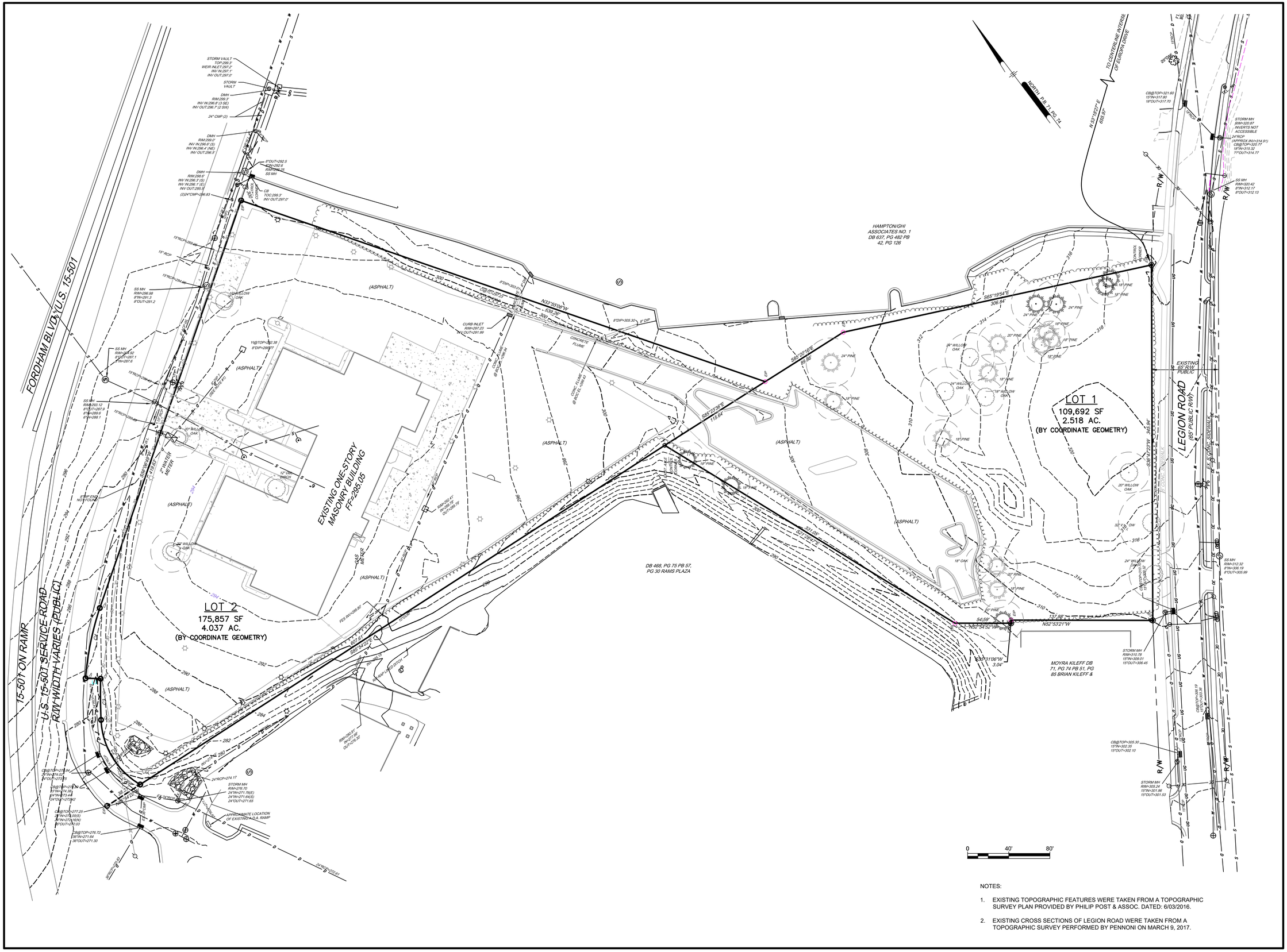

NOTES:

1. EXISTING TOPOGRAPHIC FEATURES WERE TAKEN FROM A TOPOGRAPHIC SURVEY PLAN PROVIDED BY PHILIP POST & ASSOC. DATED: 6/03/2016.
2. EXISTING CROSS SECTIONS OF LEGION ROAD WERE TAKEN FROM A TOPOGRAPHIC SURVEY PERFORMED BY PENNONI ON MARCH 9, 2017.

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Firm License F-1267
PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

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HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

EXISTING CONDITIONS PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	REVISIONS	BY
15	REVISED ROW ALONG SERVICE ROAD	CSB
14	ECP SUBMITTAL	SAK
13	REVISED PER FINAL APPROVAL	JJB
12	FDP FIRE REVISION COMMENTS	JJB
11	FINAL CONSTRUCTION CHANGES	JJB
10	REVS PER TOWN STORM WATER COMMENTS	SAK
9	NOVUS LANE WIDENING	JJB

DATE
10/02/2018
08/22/2018
08/01/2018
07/11/2018
06/05/2018
06/01/2018
05/24/2018

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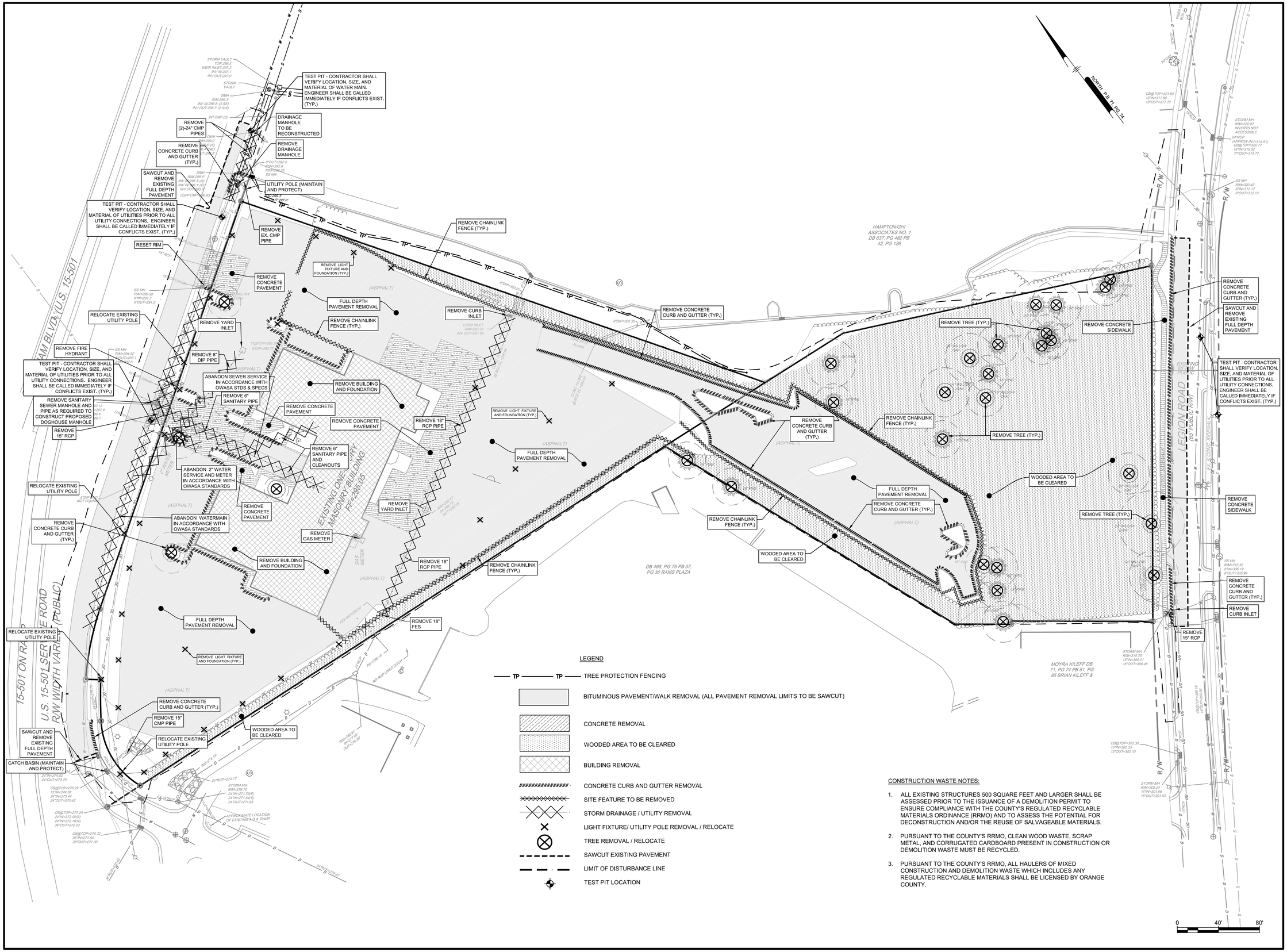
PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1"=40'
DRAWN BY	WRA
APPROVED BY	JJB

CS0201

SHEET 3 OF 28

P:\Projects\LCGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS0201.dwg PLOTTED: 10/5/2018 12:08 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni NCS.ctb PROJECT STATUS: DESIGN/DEVELOPMENT



CONSTRUCTION WASTE NOTES:

1. ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER SHALL BE ASSESSED PRIOR TO THE ISSUANCE OF A DEMOLITION PERMIT TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DECONSTRUCTION AND/OR THE REUSE OF SALVAGEABLE MATERIALS.
2. PURSUANT TO THE COUNTY'S RRMO, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
3. PURSUANT TO THE COUNTY'S RRMO, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE WHICH INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.

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Firm License F-1267
PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

DEMOLITION PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	REVISIONS	BY
15	REVISED ROW ALONG SERVICE ROAD	CSB
14	E/OP SUBMITTAL	SAK
13	REVISED PER FINAL APPROVAL	JJB
12	FDP FIRE REVISION COMMENTS	JJB
11	FINAL CONSTRUCTION CHANGES	JJB
10	REVS PER TOWN STORM WATER COMMENTS	SAK
9	NOVUS LANE WIDENING	JJB

DATE
10/02/2018
08/22/2018
08/01/2018
07/11/2018
06/05/2018
06/01/2018
05/24/2018

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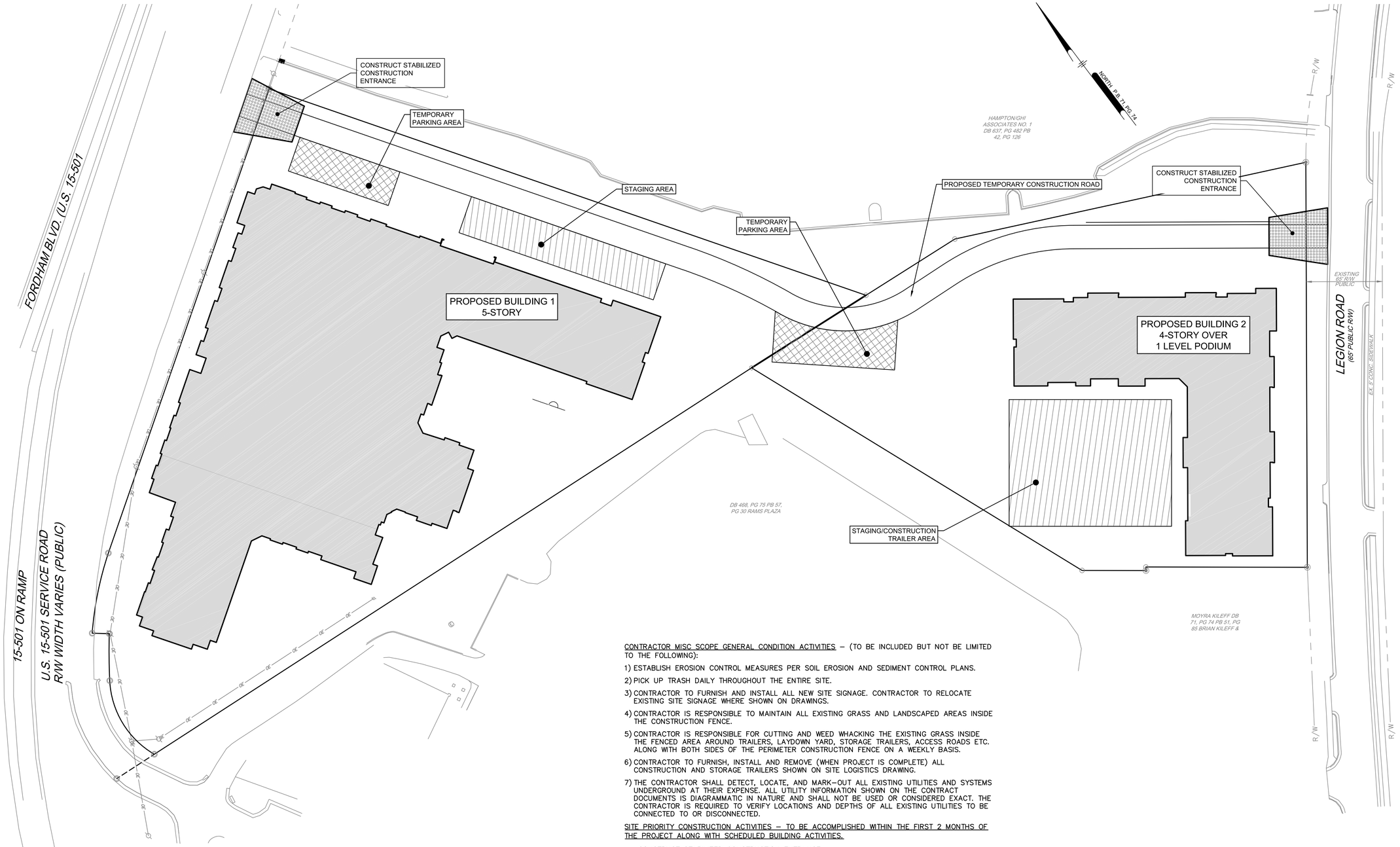
PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1"= 40'
DRAWN BY	WRA
APPROVED BY	JJB

CS0501

P:\Projects\LCGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS0501.dwg PLOTTED: 10/2/2018 12:27 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni.NCS.stb PROJECT STATUS: DESIGN DEVELOPMENT



CONTRACTOR MISC SCOPE GENERAL CONDITION ACTIVITIES – (TO BE INCLUDED BUT NOT BE LIMITED TO THE FOLLOWING):

1) ESTABLISH EROSION CONTROL MEASURES PER SOIL EROSION AND SEDIMENT CONTROL PLANS.
2) PICK UP TRASH DAILY THROUGHOUT THE ENTIRE SITE.
3) CONTRACTOR TO FURNISH AND INSTALL ALL NEW SITE SIGNAGE. CONTRACTOR TO RELOCATE EXISTING SITE SIGNAGE WHERE SHOWN ON DRAWINGS.
4) CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL EXISTING GRASS AND LANDSCAPED AREAS INSIDE THE CONSTRUCTION FENCE.
5) CONTRACTOR IS RESPONSIBLE FOR CUTTING AND WEED WHACKING THE EXISTING GRASS INSIDE THE FENCED AREA AROUND TRAILERS, LAYDOWN YARD, STORAGE TRAILERS, ACCESS ROADS ETC. ALONG WITH BOTH SIDES OF THE PERIMETER CONSTRUCTION FENCE ON A WEEKLY BASIS.
6) CONTRACTOR TO FURNISH, INSTALL AND REMOVE (WHEN PROJECT IS COMPLETE) ALL CONSTRUCTION AND STORAGE TRAILERS SHOWN ON SITE LOGISTICS DRAWING.
7) THE CONTRACTOR SHALL DETECT, LOCATE, AND MARK–OUT ALL EXISTING UTILITIES AND SYSTEMS UNDERGROUND AT THEIR EXPENSE. ALL UTILITY INFORMATION SHOWN ON THE CONTRACT DOCUMENTS IS DIAGRAMMATIC IN NATURE AND SHALL NOT BE USED OR CONSIDERED EXACT. THE CONTRACTOR IS REQUIRED TO VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES TO BE CONNECTED TO OR DISCONNECTED.

SITE PRIORITY CONSTRUCTION ACTIVITIES – TO BE ACCOMPLISHED WITHIN THE FIRST 2 MONTHS OF THE PROJECT ALONG WITH SCHEDULED BUILDING ACTIVITIES.

- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL TEMPORARY SEDIMENT BASINS.
- INSTALL OFFICE AND TRADE STORAGE TRAILERS.
- CONSTRUCT LAYDOWN, STAGING AND TRADE PARKING AREAS.
- MAINTAIN EXISTING SITE ELECTRIC POLES AND LINES FOR SITE LIGHTING AND FOR TEMPORARY ELECTRICAL CONNECTION TO OFFICE TRAILERS UNTIL TEMPORARY ELECTRICAL SERVICE IS CONNECTED TO TRAILERS.
- PROVIDE TEMPORARY SITE LIGHTING FOR CONSTRUCTION ACTIVITIES AND SITE SECURITY. THE LEVEL OF LIGHTING FOR THE TRAILERS, SITE LAYDOWN, BUILDINGS AND SURROUNDING AREAS INSIDE THE CONSTRUCTION FENCE WILL REQUIRE TO BE LIT ADEQUATE ENOUGH TO MAINTAIN A SECURE CONDITION THROUGHOUT THE NIGHT.
- DISCONNECT, CAP AND REMOVE EXISTING ABANDONED UNDERGROUND UTILITIES WHERE REQUIRED FOR NEW CONSTRUCTION TO TAKE PLACE. OTHERWISE DISCONNECT CAP AND ABANDONED IN PLACE EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE DIRECTED TO REMOVE ON SITE LOGISTICS DRAWING.

Pennoni
Firm License F-1267
PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 JAMES J. BUTLER 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

CONSTRUCTION MANAGEMENT PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	REVISIONS	BY	DATE
15	REVISED ROW ALONG SERVICE ROAD	CSB	10/02/2018
14	EOP SUBMITTAL	SAK	08/22/2018
13	REVISED PER FINAL APPROVAL	JJB	08/01/2018
12	FDP FIRE REVISION COMMENTS	JJB	07/11/2018
11	FINAL CONSTRUCTION CHANGES	JJB	06/05/2018
10	REVS PER TOWN STORM WATER COMMENTS	SAK	06/01/2018
9	NOVUS LANE WIDENING	JJB	05/24/2018

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PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1" = 40'
DRAWN BY	WRA
APPROVED BY	JJB

CS0500

P:\Projects\CGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS0500.dwg PLOTTED: 10/5/2018 12:27 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni NCS.stb PROJECT STATUS: DESIGN DEVELOPMENT

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PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

OVERALL SITE PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	DATE	REVISIONS	BY
15	10/02/2018	REVISED ROW ALONG SERVICE ROAD	CSB
14	08/22/2018	ECP SUBMITTAL	SAK
13	08/01/2018	REVISED PER FINAL APPROVAL	JJB
12	07/11/2018	FDP FIRE REVISION COMMENTS	JJB
11	06/05/2018	FINAL CONSTRUCTION CHANGES	JJB
10	06/01/2018	REVS PER TOWN STORM WATER COMMENTS	SAK
9	05/24/2018	NOVUS LANE WIDENING	JJB

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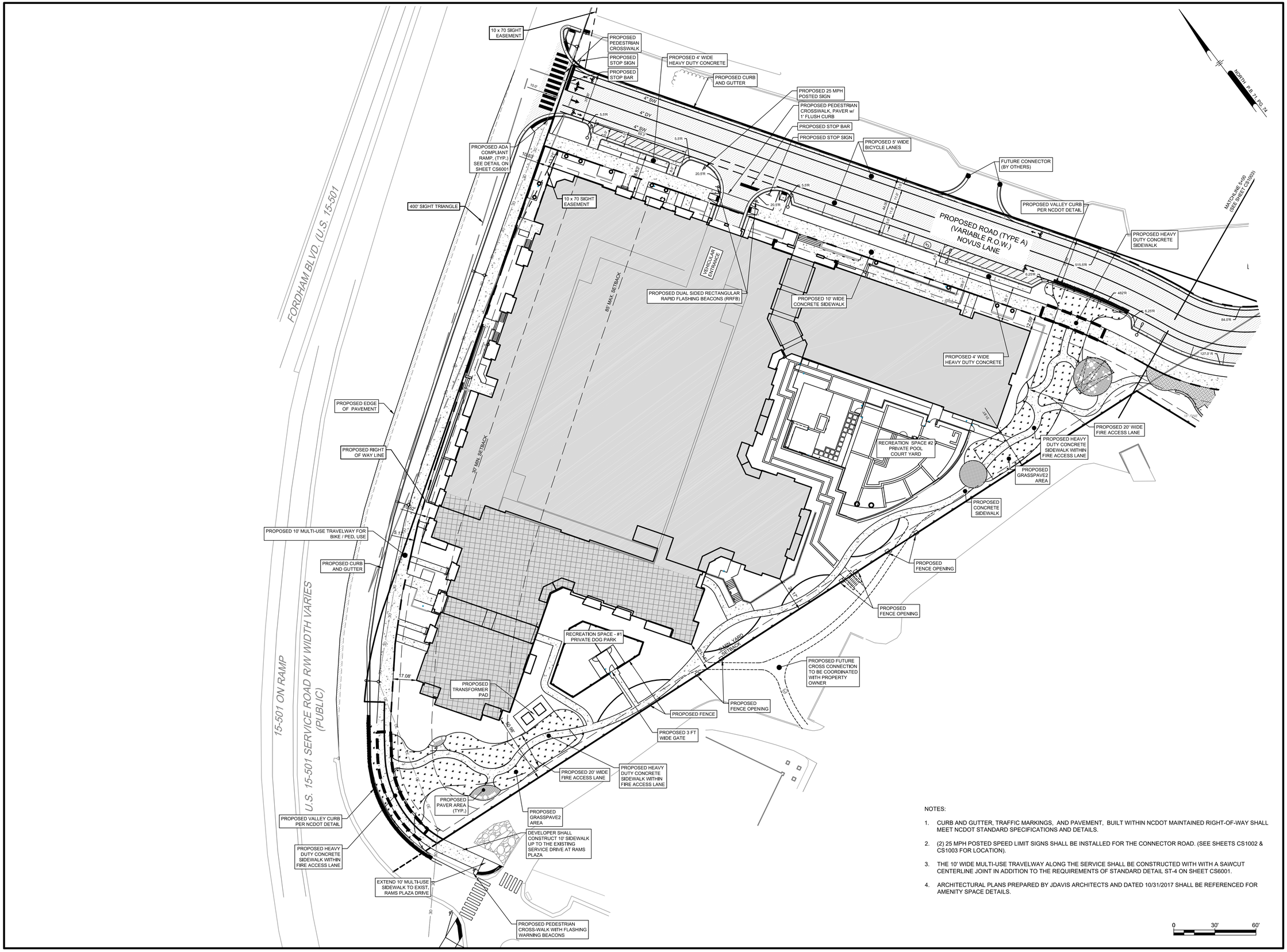
PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1"= 40'
DRAWN BY	WRA
APPROVED BY	JJB

CS1001

SHEET 6 OF 28

P:\Projects\LCGROUM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS1001.dwg PLOTTED: 10/5/2018 12:58 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni.NCS.ctb PROJECT STATUS: DESIGN DEVELOPMENT



NOTES:

1. CURB AND GUTTER, TRAFFIC MARKINGS, AND PAVEMENT, BUILT WITHIN NCDOT MAINTAINED RIGHT-OF-WAY SHALL MEET NCDOT STANDARD SPECIFICATIONS AND DETAILS.
2. (2) 25 MPH POSTED SPEED LIMIT SIGNS SHALL BE INSTALLED FOR THE CONNECTOR ROAD. (SEE SHEETS CS1002 & CS1003 FOR LOCATION).
3. THE 10' WIDE MULTI-USE TRAVELWAY ALONG THE SERVICE SHALL BE CONSTRUCTED WITH WITH A SAWCUT CENTERLINE JOINT IN ADDITION TO THE REQUIREMENTS OF STANDARD DETAIL ST-4 ON SHEET CS6001.
4. ARCHITECTURAL PLANS PREPARED BY JDAVIS ARCHITECTS AND DATED 10/31/2017 SHALL BE REFERENCED FOR AMENITY SPACE DETAILS.

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Firm License F-1267
PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 JAMES A. JOHNSON 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

SITE PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

DATE	NO.	REVISIONS	BY
10/02/2018	15	REVISED ROW ALONG SERVICE ROAD	CSB
08/22/2018	14	ECP SUBMITTAL	SAK
08/01/2018	13	REVISED PER FINAL APPROVAL	JJB
07/11/2018	12	FDP FIRE REVISION COMMENTS	JJB
06/05/2018	11	FINAL CONSTRUCTION CHANGES	JJB
06/01/2018	10	RE:VS PER TOWN STORM WATER COMMENTS	SAK
05/24/2018	9	NOVUS LANE WIDENING	JJB

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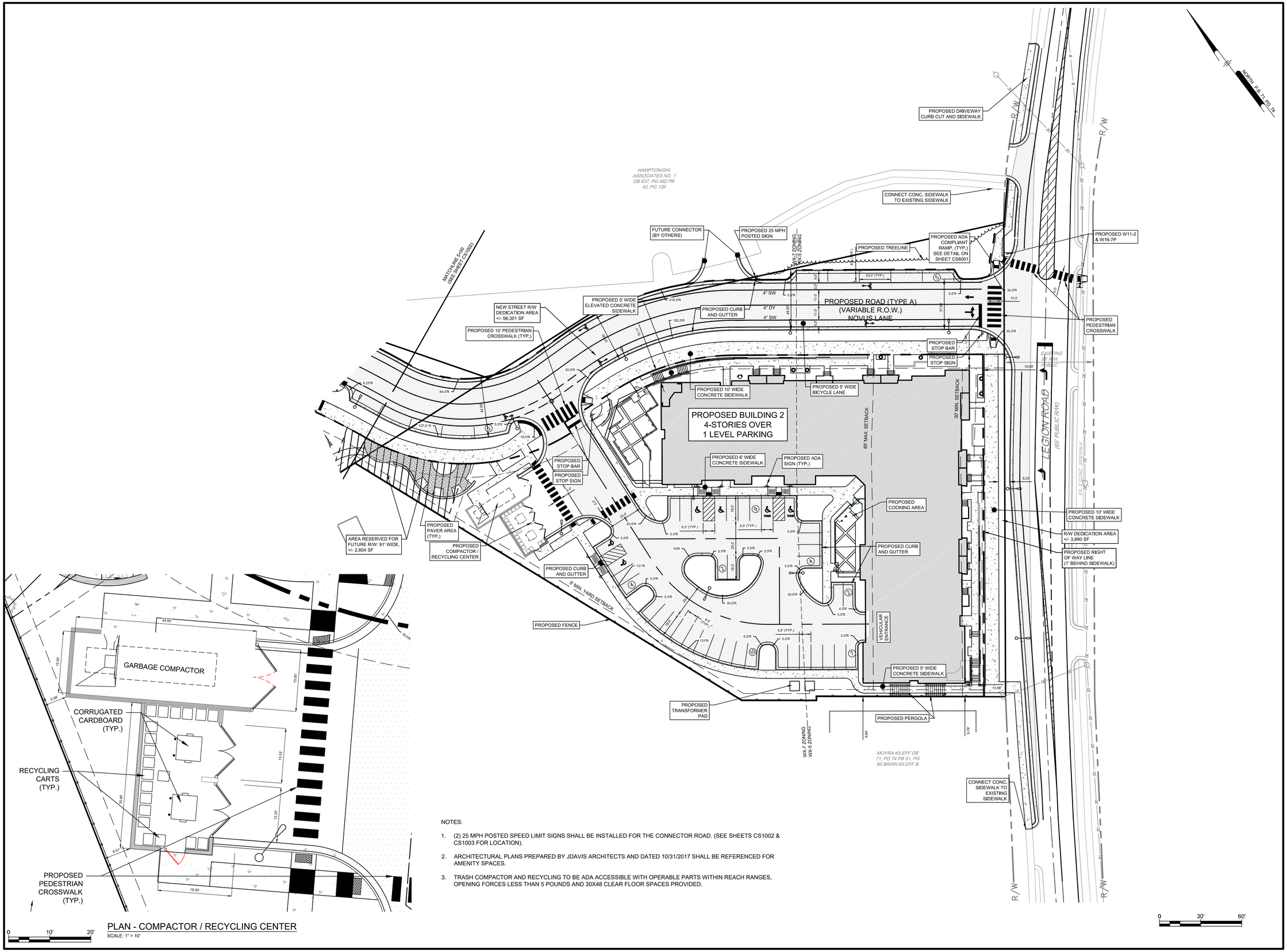
PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1" = 30'
DRAWN BY	WRA
APPROVED BY	JJB

CS1002

SHEET 7 OF 28

P:\Projects\LCGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS1002.dwg PLOTTED: 10/5/2018 12:59 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni NCS.stb PROJECT STATUS: DESIGN DEVELOPMENT



NOTES:

1. (2) 25 MPH POSTED SPEED LIMIT SIGNS SHALL BE INSTALLED FOR THE CONNECTOR ROAD. (SEE SHEETS CS1002 & CS1003 FOR LOCATION).
2. ARCHITECTURAL PLANS PREPARED BY JDAVIS ARCHITECTS AND DATED 10/31/2017 SHALL BE REFERENCED FOR AMENITY SPACES.
3. TRASH COMPACTOR AND RECYCLING TO BE ADA ACCESSIBLE WITH OPERABLE PARTS WITHIN REACH RANGES, OPENING FORCES LESS THAN 5 POUNDS AND 30X48 CLEAR FLOOR SPACES PROVIDED.

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PENNONI ASSOCIATES INC.
401 Providence Road #200
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T 919.929.1173 F 919.493.6548

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

SITE PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	DATE	REVISIONS	BY
15	10/02/2018	REVISED ROW ALONG SERVICE ROAD	CSB
14	08/22/2018	EOP SUBMITTAL	SAK
13	08/01/2018	REVISED PER FINAL APPROVAL	JJB
12	07/11/2018	FDP FIRE REVISION COMMENTS	JJB
11	06/05/2018	FINAL CONSTRUCTION CHANGES	JJB
10	06/01/2018	REVS PER TOWN STORM WATER COMMENTS	SAK
9	05/24/2018	NOVUS LANE WIDENING	JJB

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PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	AS SHOWN
DRAWN BY	WRA
APPROVED BY	JJB

CS1003

SHEET 8 OF 28

P:\Projects\LCGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS1003.dwg PLOTTED: 10/2/2018 1:00 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni NCS.stb PROJECT STATUS: DESIGN/DEVELOPMENT

DRAINAGE NOTES:

1. ALL ROOF DRAINS FROM THE PROPOSED BUILDING SHALL BE DIRECTED TO EITHER THE UNDERGROUND / SAND FILTER SYSTEM OF THE STORM DRAINAGE SYSTEM.
2. NO FLOOR DRAINS UNDER THE ROOFED PARKING AREA SHALL BE CONNECTED TO THE STORM DRAINAGE SYSTEM.
3. DISCHARGE FROM THE HYDRAULIC ELEVATOR SUMP SHALL NOT BE CONNECTED TO THE STORM DRAINAGE SYSTEM.
4. NO STORM DISCHARGE SHALL BE DIRECTED TO THE SAND FILTER SYSTEMS BEYOND THAT BEING SHOWN ON THE APPROVED PLANS.
5. DEWATERING OF SALTWATER POOLS INTO THE STORM SEWER IS PROHIBITED. SIGNAGE TO THIS EFFECT SHALL BE PERMANENTLY AFFIXED TO THE POOL EQUIPMENT.
6. DEWATERING OF CHLORINATED POOLS INTO THE STORM SEWER IS NOT ALLOWED UNLESS THE WATER IS DECHLORINATED.
7. NO BACKWASH FROM THE POOL SHALL DISCHARGE INTO THE STORMSEWER.
8. THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER DURING INSTALLATION OF THE ROOF DRAINAGE SYSTEM CONNECTIONS TO THE STORM DRAINAGE SYSTEM. ANY MODIFICATION TO THE SYSTEM AS SHOWN ON THE APPROVED PLANS, WILL REQUIRE STORMWATER MANAGEMENT DIVISION APPROVAL.
9. ARCHITECTURAL PLANS PREPARED BY JDAVIS ARCHITECTS AND DATED 10/31/2017 SHALL BE REFERENCED FOR AMENITY SPACE DETAILS.

ADA LANDING

STORM DRAINAGE TABLE

Upstream Structure	Elevation - Upstream Structure (ft)	Downstream Structure	Elevation Downstream Structure (ft)	Pipe Length (ft)	Invert (Upstream) (ft)	Invert (Downstream) (ft)	Slope (Calculated) (ft/ft)	Pipe Diameter (in)	Material
RD-EAST SAND FILTER	319.17	IN-4	305.96	41	300.97	300.56	0.010	10.0	PVC
IN-4	305.96	EAST SAND FILTER	306.00	39	300.35	299.93	0.011	15.0	Concrete
IN-5	305.48	EAST SAND FILTER	306.00	22	300.20	299.93	0.012	15.0	Concrete
IN-1	319.50	IN-16	317.75	87	315.26	314.14	0.013	15.0	Concrete
IN-16	317.75	IN-17	310.98	204	313.94	306.90	0.035	15.0	Concrete
IN-17	310.98	EXIST. MH	310.48	25	306.80	306.55	0.010	15.0	Concrete
IN-9	301.76	IN-10	301.34	38	298.07	297.75	0.008	18.0	Concrete
IN-2A	310.10	IN-2	307.75	76	301.35	300.97	0.005	18.0	Concrete
IN-2	307.75	IN-3	307.73	33	300.87	300.74	0.004	18.0	Concrete
IN-3	307.73	MH 6	306.40	43	300.64	300.42	0.005	18.0	Concrete
EAST SAND FILTER	306.00	MH 6	306.40	102	296.00	291.69	0.042	18.0	Concrete
MH 6	306.40	IN-10	301.34	152	291.49	289.96	0.010	24.0	Concrete
IN-10	301.34	YI-1	296.63	180	289.76	287.97	0.010	24.0	HDPE
YI-1	296.63	EX. YI-2	292.96	114	287.77	286.20	0.014	24.0	HDPE
EX. YI-2	292.96	EX. YI-3	288.50	73	286.00	285.28	0.010	24.0	HDPE
EX. YI-3	288.50	TO RAMS PLAZA	281.50	41	285.18	276.29	0.217	24.0	HDPE
EX. IN (QUALITY INN)	298.80	IN-6	297.71	31	297.00	294.96	0.066	15.0	Concrete
IN-6	297.71	IN-8A	297.71	33	292.00	291.49	0.015	15.0	Concrete
IN-7	297.57	IN-8	297.57	30	291.86	291.69	0.006	24.0	Concrete
IN-8	297.57	IN-8B	299.37	161	291.69	290.88	0.005	30.0	Concrete
IN-8B	299.37	IN-8A	297.71	81	290.78	290.37	0.005	30.0	Concrete
IN-8A	297.71	IN-12	297.93	47	288.27	287.12	0.024	30.0	Concrete
MH-9	299.00	IN-11	298.57	3	292.85	292.82	0.010	30.0	RCP
IN-11	298.57	IN-12	297.93	141	292.62	285.70	0.049	30.0	Concrete
IN-12	297.93	IN-13	294.38	120	285.50	284.30	0.010	30.0	Concrete
IN-13	294.38	IN-14	289.44	125	284.00	282.41	0.013	30.0	Concrete
IN-14	289.44	IN-15	284.13	123	282.21	279.35	0.023	30.0	Concrete
IN-15	284.13	EX. IN-2	278.34	130	276.77	273.91	0.022	30.0	Concrete
EX. IN-2	278.34	EX. IN-2A	277.79	18	273.75	273.44	0.018	30.0	Concrete
EX. IN-2A	277.79	EX. IN-3	276.75	43	273.42	272.17	0.029	30.0	Concrete
RD- WEST SAND FILTER	301.00	MH-8	287.91	9	282.93	282.84	0.010	15.0	HDPE
MH-8	287.91	MH-7	287.25	28	282.84	282.36	0.017	18.0	HDPE
MH-7	287.25	WEST DETENTION OUTLET	285.00	15	282.15	282.00	0.010	18.0	HDPE
WEST DETENTION OUTLET	285.00	EX. YI-4	280.58	116	274.40	273.30	0.009	18.0	HDPE
EX. YI-4	280.58	EX. IN-3	276.75	53	273.10	272.50	0.011	24.0	Concrete
EX. IN-3	276.75	TO RAMS PLAZA	276.72	31	272.03	271.64	0.013	36.0	Aluminum

0 30' 60'

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Firm License F-1267
PENNONI ASSOCIATES INC.
401 Providence Road #200
Chapel Hill, NC 27514
T 919.929.1173 F 919.493.6548

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK

NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 JAMES J. BRADY 10/4/18

HILLSTONE CHAPEL HILL

1000 & 2000 NOVUS LANE
CHAPEL HILL, NORTH CAROLINA 27514

GRADING PLAN

LEON CAPITAL GROUP
5970 FAIRVIEW ROAD, SUITE 450
CHARLOTTE, NORTH CAROLINA 28210

NO.	REVISIONS	BY
15	REVISED ROW ALONG SERVICE ROAD	CSB
14	ECP SUBMITTAL	SAK
13	REVISED PER FINAL APPROVAL	JJB
12	FDP FIRE REVISION COMMENTS	JJB
11	FINAL CONSTRUCTION CHANGES	JJB
10	REVS PER TOWN STORM WATER COMMENTS	SAK
9	NOVUS LANE WIDENING	JJB

DATE
10/02/2018
08/22/2018
08/01/2018
07/11/2018
06/05/2018
06/01/2018
05/24/2018

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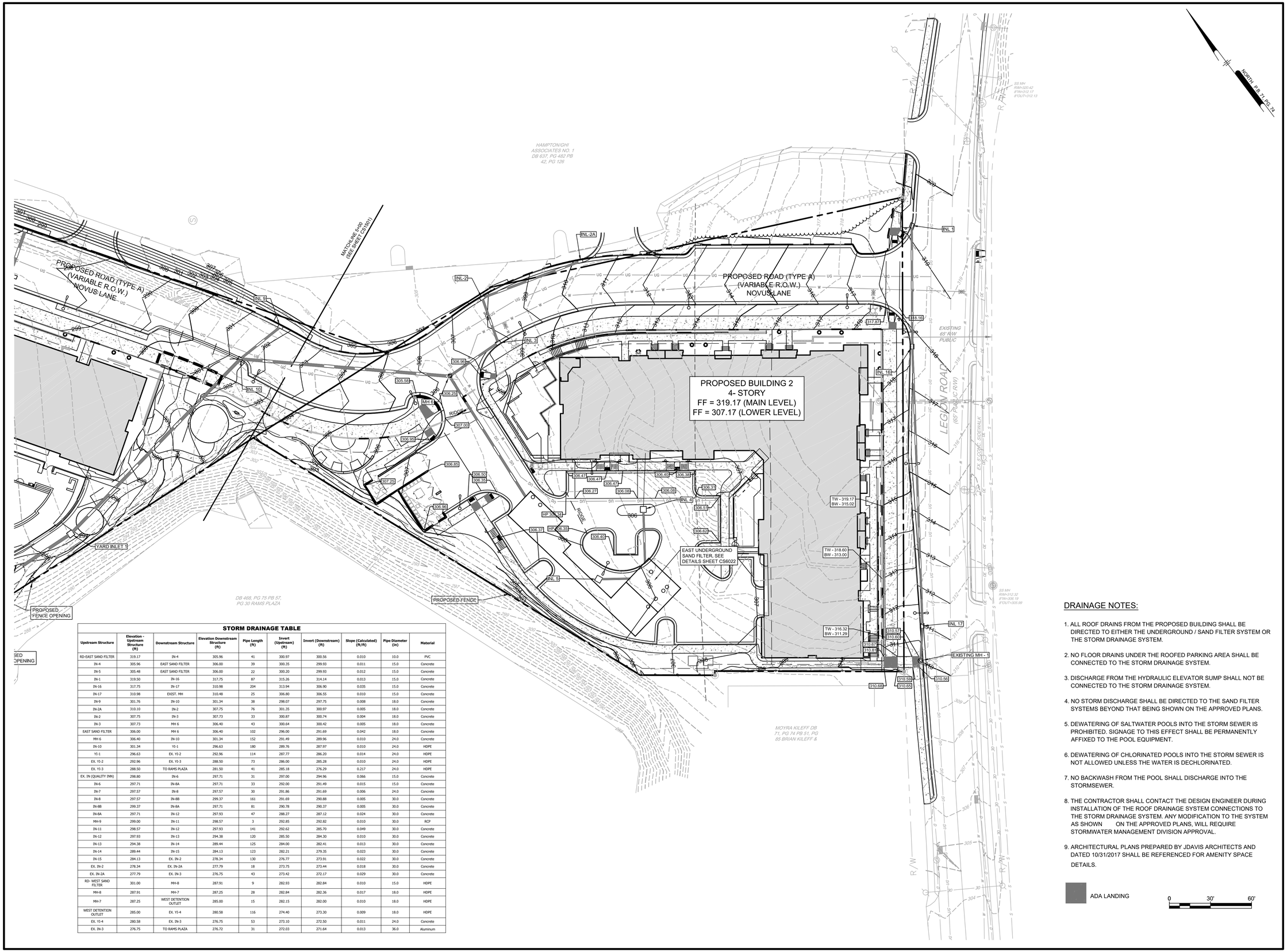
PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1"=30'
DRAWN BY	WRA
APPROVED BY	JJB

CS1501

SHEET 9 OF 28

P:\Projects\LCGRCOM\LCGR1602-Apartment Site\DESIGN_PUBLISH\CS1501.dwg PLOTTED: 10/5/2018 1:02 PM, BY: Christopher S. Bird PLOTSTYLE: Pennoni NCS.stb PROJECT STATUS: DESIGN/DEVELOPMENT



STORM DRAINAGE TABLE

Upstream Structure	Elevation - Upstream Structure (ft)	Downstream Structure	Elevation Downstream Structure (ft)	Pipe Length (ft)	Invert (Upstream) (ft)	Invert (Downstream) (ft)	Slope (Calculated) (ft/ft)	Pipe Diameter (in)	Material
RD-EAST SAND FILTER	319.17	IN-4	305.96	41	300.97	300.56	0.010	10.0	PVC
IN-4	305.96	EAST SAND FILTER	306.00	39	300.35	299.93	0.011	15.0	Concrete
IN-5	305.48	EAST SAND FILTER	306.00	22	300.20	299.93	0.012	15.0	Concrete
IN-1	319.50	IN-16	317.75	87	315.26	314.14	0.013	15.0	Concrete
IN-16	317.75	IN-17	310.98	204	313.94	306.90	0.035	15.0	Concrete
IN-17	310.98	EXIST. MH	310.48	25	306.80	306.55	0.010	15.0	Concrete
IN-9	301.76	IN-10	301.34	38	298.07	297.75	0.008	18.0	Concrete
IN-2A	310.10	IN-2	307.75	76	301.35	300.97	0.005	18.0	Concrete
IN-2	307.75	IN-3	307.73	33	300.87	300.74	0.004	18.0	Concrete
IN-3	307.73	MH 6	306.40	43	300.64	300.42	0.005	18.0	Concrete
EAST SAND FILTER	306.00	MH 6	306.40	102	296.00	291.69	0.042	18.0	Concrete
MH 6	306.40	IN-10	301.34	152	291.49	289.96	0.010	24.0	Concrete
IN-10	301.34	YI-1	296.63	180	289.76	287.97	0.010	24.0	HDPE
YI-1	296.63	EX. YI-2	292.96	114	287.77	286.20	0.014	24.0	HDPE
EX. YI-2	292.96	EX. YI-3	288.50	73	286.00	285.28	0.010	24.0	HDPE
EX. YI-3	288.50	TO RAMS PLAZA	281.50	41	285.18	276.29	0.217	24.0	HDPE
EX. IN (QUALITY INN)	298.80	IN-6	297.71	31	297.00	294.96	0.066	15.0	Concrete
IN-6	297.71	IN-8A	297.71	33	292.00	291.49	0.015	15.0	Concrete
IN-7	297.57	IN-8	297.57	30	291.86	291.69	0.006	24.0	Concrete
IN-8	297.57	IN-8B	299.37	161	291.69	290.88	0.005	30.0	Concrete
IN-8B	299.37	IN-8A	297.71	81	290.78	290.37	0.005	30.0	Concrete
IN-8A	297.71	IN-12	297.93	47	288.27	287.12	0.024	30.0	Concrete
MH-9	299.00	IN-11	298.57	3	292.85	292.82	0.010	30.0	RCP
IN-11	298.57	IN-12	297.93	141	292.62	285.70	0.049	30.0	Concrete
IN-12	297.93	IN-13	294.38	120	285.50	284.30	0.010	30.0	Concrete
IN-13	294.38	IN-14	289.44	125	284.00	282.41	0.013	30.0	Concrete
IN-14	289.44	IN-15	284.13	123	282.21	279.35	0.023	30.0	Concrete
IN-15	284.13	EX. IN-2	278.34	130	276.77	273.91	0.022	30.0	Concrete
EX. IN-2	278.34	EX. IN-2A	277.79	18	273.75	273.44	0.018	30.0	Concrete
EX. IN-2A	277.79	EX. IN-3	276.75	43	273.42	272.17	0.029	30.0	Concrete
RD- WIEST SAND FILTER	301.00	MH-8	287.91	9	282.93	282.84	0.010	15.0	HDPE
MH-8	287.91	MH-7	287.25	28	282.84	282.36	0.017	18.0	HDPE
MH-7	287.25	WIEST DETENTION OUTLET	285.00	15	282.15	282.00	0.010	18.0	HDPE
WIEST DETENTION OUTLET	285.00	EX. YI-4	280.58	116	274.40	273.30	0.009	18.0	HDPE
EX. YI-4	280.58	EX. IN-3	276.75	53	273.10	272.50	0.011	24.0	Concrete
EX. IN-3	276.75	TO RAMS PLAZA	276.72	31	272.03	271.64	0.013	36.0	Aluminum

DRAINAGE NOTES:

1. ALL ROOF DRAINS FROM THE PROPOSED BUILDING SHALL BE DIRECTED TO EITHER THE UNDERGROUND / SAND FILTER SYSTEM OR THE STORM DRAINAGE SYSTEM.
2. NO FLOOR DRAINS UNDER THE ROOFED PARKING AREA SHALL BE CONNECTED TO THE STORM DRAINAGE SYSTEM.
3. DISCHARGE FROM THE HYDRAULIC ELEVATOR SUMP SHALL NOT BE CONNECTED TO THE STORM DRAINAGE SYSTEM.
4. NO STORM DISCHARGE SHALL BE DIRECTED TO THE SAND FILTER SYSTEMS BEYOND THAT BEING SHOWN ON THE APPROVED PLANS.
5. DEWATERING OF SALTWATER POOLS INTO THE STORM SEWER IS PROHIBITED. SIGNAGE TO THIS EFFECT SHALL BE PERMANENTLY AFFIXED TO THE POOL EQUIPMENT.
6. DEWATERING OF CHLORINATED POOLS INTO THE STORM SEWER IS NOT ALLOWED UNLESS THE WATER IS DECHLORINATED.
7. NO BACKWASH FROM THE POOL SHALL DISCHARGE INTO THE STORMSEWER.
8. THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER DURING INSTALLATION OF THE ROOF DRAINAGE SYSTEM CONNECTIONS TO THE STORM DRAINAGE SYSTEM. ANY MODIFICATION TO THE SYSTEM AS SHOWN ON THE APPROVED PLANS, WILL REQUIRE STORMWATER MANAGEMENT DIVISION APPROVAL.
9. ARCHITECTURAL PLANS PREPARED BY JDAVIS ARCHITECTS AND DATED 10/31/2017 SHALL BE REFERENCED FOR AMENITY SPACE DETAILS.

ADA LANDING

0 30' 60"

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NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 042466 JAMES J. BIRD 8/1/01

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GRADING PLAN

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PROJECT	LCGR1602
DATE	DECEMBER 7, 2016
DRAWING SCALE	1"=30'
DRAWN BY	WRA
APPROVED BY	JJB

CS1502

SHEET 10 OF 28

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