

DR. WESLEY GRANT SR. CENTER EXPANSION

285 LIVINGSTON STREET
ASHEVILLE, NC 28801

DESIGNER
CLARK NEXSEN

301 COLLEGE STREET, SUITE 300
ASHEVILLE, NORTH CAROLINA 28801
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CLARK NEXSEN LICENSE NUMBER: C-1028

CONSULTANT



PROFESSIONAL SEAL



SUBMITTAL

03.12.2021

CONSTRUCTION DOCUMENTS

REVISIONS

KEY PLAN

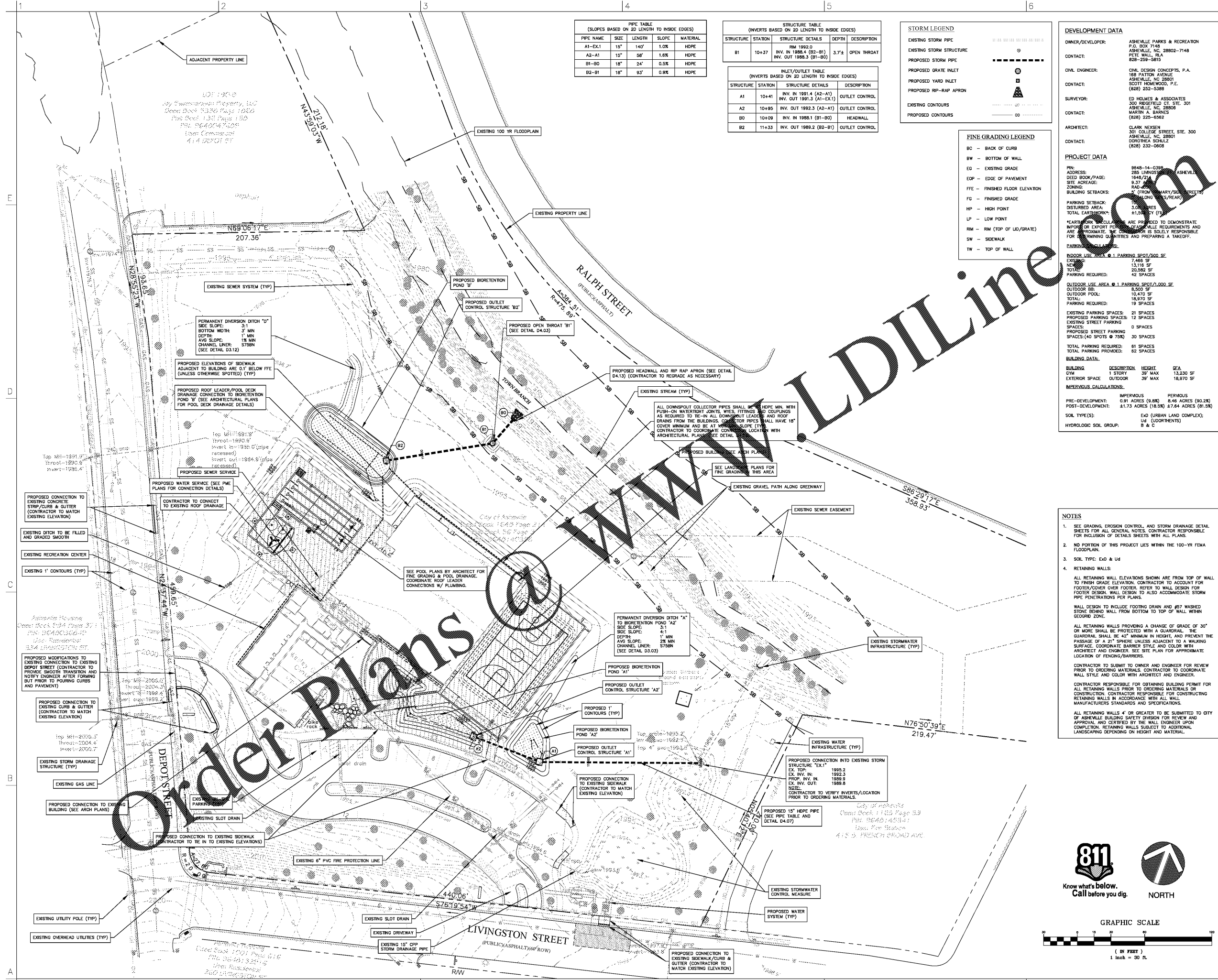
SHEET

FINE GRADING & STORM DRAINAGE PLAN

C401

DESIGN: DS
DRAWN: US
REVIEW: CSR

CN 7904-A



PIPE TABLE
(SLOPES BASED ON 20' LENGTH TO INSIDE EDGES)

PIPE NAME	SIZE	LENGTH	SLOPE	MATERIAL
A1-EX1	15"	140'	1.0%	HDPE
A2-A1	15"	58'	1.6%	HDPE
B1-B0	18"	24'	0.5%	HDPE
B2-B1	18"	93'	0.9%	HDPE

STRUCTURE TABLE
(INVERTS BASED ON 20' LENGTH TO INSIDE EDGES)

STRUCTURE	STATION	STRUCTURE DETAILS	DEPTH	DESCRIPTION
B1	10+37	INV. 1992.0 RW 1992.0 INV. OUT 1988.4 (B2-B1)	3.7±	OPEN THROAT

INLET/OUTLET TABLE
(INVERTS BASED ON 20' LENGTH TO INSIDE EDGES)

STRUCTURE	STATION	STRUCTURE DETAILS	DESCRIPTION
A1	10+41	INV. IN 1991.4 (A2-A1) INV. OUT 1991.3 (A1-EX1)	OUTLET CONTROL
A2	10+95	INV. OUT 1992.3 (A2-A1)	OUTLET CONTROL
B0	10+09	INV. IN 1985.1 (B1-B0)	HEADWALL
B2	11+33	INV. OUT 1989.2 (B2-B1)	OUTLET CONTROL

STORM LEGEND

- EXISTING STORM PIPE: ---
- EXISTING STORM STRUCTURE: [Symbol]
- PROPOSED STORM PIPE: - - - - -
- PROPOSED GRATE INLET: [Symbol]
- PROPOSED YARD INLET: [Symbol]
- PROPOSED RP-RAP APRON: [Symbol]
- EXISTING CONTOURS: [Symbol]
- PROPOSED CONTOURS: [Symbol]

FINE GRADING LEGEND

- BC - BACK OF CURB
- BW - BOTTOM OF WALL
- EG - EXISTING GRADE
- EOP - EDGE OF PAVEMENT
- FTE - FINISHED FLOOR ELEVATION
- FG - FINISHED GRADE
- HP - HIGH POINT
- LP - LOW POINT
- RM - RIM (TOP OF LD/GRATE)
- SW - SIDEWALK
- TW - TOP OF WALL

DEVELOPMENT DATA

OWNER/DEVELOPER: ASHEVILLE PARKS & RECREATION
301 COLLEGE STREET, SUITE 300
ASHEVILLE, NC 28801
828-252-5388

CONTACT: CIVIL DESIGN CONCEPTS, P.A.
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ARCHITECT: CLARK NEXSEN
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CORINNE A. SCHULZ
(828) 232-0608

PROJECT DATA

RIN ADDRESS: 285 LIVINGSTON STREET, ASHEVILLE, NC 28801

DEED BOOK/PAGE: 1849/2

SITE ADDRESS: 9.27 ACRES

ZONING: R-40

BUILDING SETBACKS: 5' (FROM SIDEWALK/STREET)

PARKING SETBACK: 10'

IMPERVIOUS CALCULATIONS:

IMPERVIOUS	PERVIOUS
0.91 ACRES (9.9%)	8.46 ACRES (90.2%)
PRE-DEVELOPMENT:	POST-DEVELOPMENT:
1.73 ACRES (18.3%)	8.74 ACRES (91.3%)

SOIL TYPE(S): E6 (URBAN LAND COMPLEX), U4 (UDRTHENTS)

HYDROLOGIC SOIL GROUP: B & C

NOTES

- SEE GRADING, EROSION CONTROL, AND STORM DRAINAGE DETAIL SHEETS FOR ALL GENERAL NOTES. CONTRACTOR RESPONSIBLE FOR INCLUSION OF DETAILS SHEETS WITH ALL PLANS.
- NO PORTION OF THIS PROJECT LIES WITHIN THE 100-YR FEMA FLOODPLAIN.
- SOIL TYPE: E6 & U4
- RETAINING WALLS:
 - ALL RETAINING WALL ELEVATIONS SHOWN ARE FROM TOP OF WALL TO FINISH GRADE ELEVATION. CONTRACTOR TO ACCOUNT FOR FOOTER/COVER OVER FOOTER. REFER TO WALL DESIGN FOR FOOTER DESIGN. WALL DESIGN TO ALSO ACCOMMODATE STORM PIPE PENETRATIONS PER PLANS.
 - WALL DESIGN TO INCLUDE FOOTING DRAIN AND #57 WASHED STONE BEHIND WALL FROM BOTTOM TO TOP OF WALL WITHIN GEORID ZONE.
 - ALL RETAINING WALLS PROVIDING A CHANGE OF GRADE OF 30" OR MORE SHALL BE PROTECTED WITH A GUARDRAIL. THE GUARDRAIL SHALL BE 42" MINIMUM IN HEIGHT, AND PREVENT THE PASSAGE OF A 21" SPHERE UNLESS ADJACENT TO A WALKING SURFACE. COORDINATE BARRIER STYLE AND COLOR WITH ARCHITECT AND ENGINEER. SEE SITE PLAN FOR APPROXIMATE LOCATION OF FENCING/BARRIERS.
 - CONTRACTOR TO SUBMIT TO OWNER AND ENGINEER FOR REVIEW PRIOR TO ORDERING MATERIALS. CONTRACTOR TO COORDINATE WALL STYLE AND COLOR WITH ARCHITECT AND ENGINEER.
 - CONTRACTOR RESPONSIBLE FOR OBTAINING BUILDING PERMIT FOR ALL RETAINING WALLS PRIOR TO ORDERING MATERIALS OR CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR CONSTRUCTING RETAINING WALLS IN ACCORDANCE WITH ALL WALL MANUFACTURERS STANDARDS AND SPECIFICATIONS.
 - ALL RETAINING WALLS 4' OR GREATER TO BE SUBMITTED TO CITY OF ASHEVILLE BUILDING SHEET DIVISION FOR REVIEW AND APPROVAL AND CERTIFIED BY THE WALL ENGINEER UPON COMPLETION. RETAINING WALLS SUBJECT TO ADDITIONAL LANDSCAPING DEPENDING ON HEIGHT AND MATERIAL.

811 Know what's below. Call before you dig.

NORTH

GRAPHIC SCALE
1 inch = 30 ft.

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