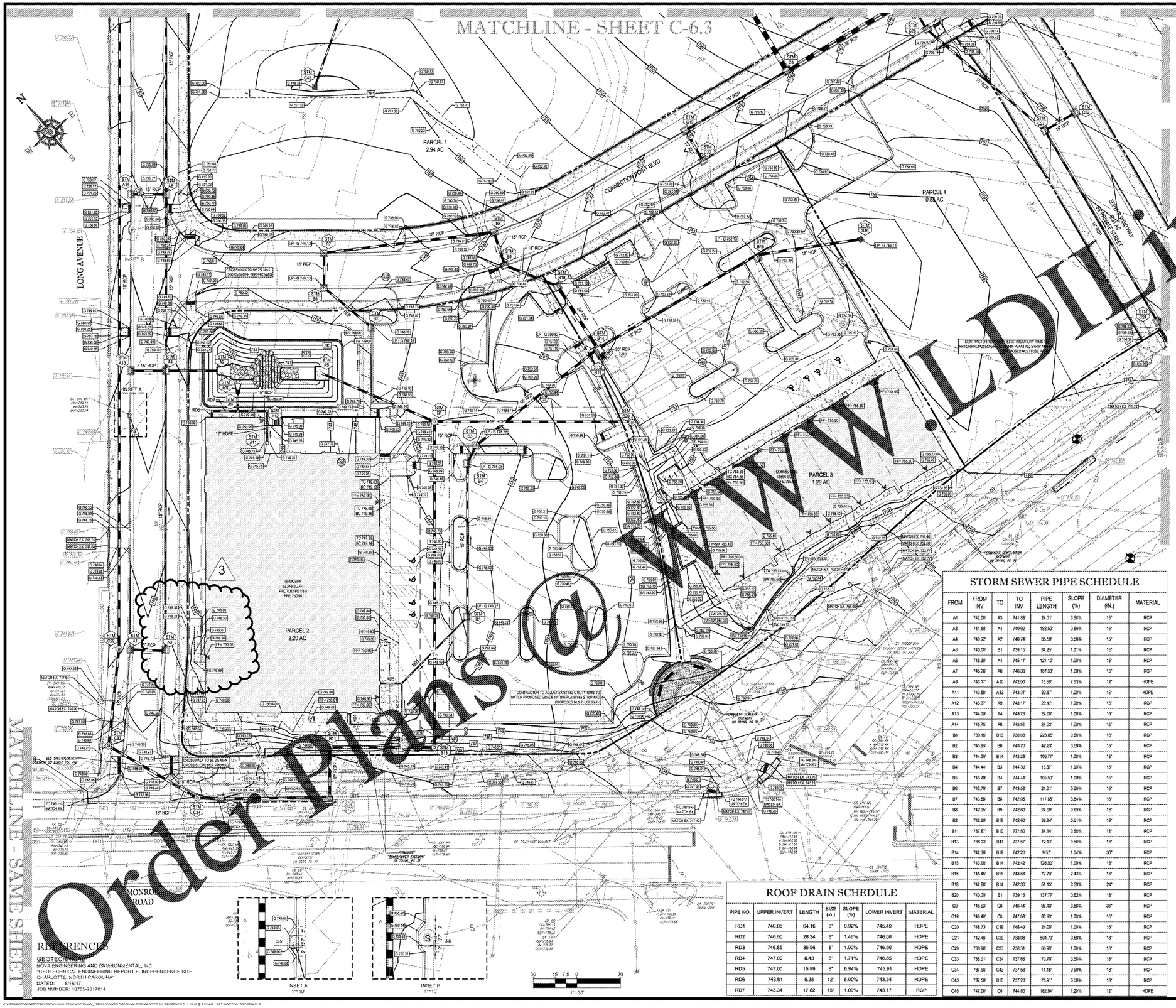
MATCHLINE - SHEET C-6.3

MATCHLINE - SHEET C-6.3

MATCHLINE - SHEET C-6.4

MATCHLINE - SAME SHEET



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STORM STRUCTURE SCHEDULE

NAME	TYPE	RIM ELEV. (FT.)	INVERTS
A1	NCDOT STD 840.02	743.60'	INV OUT = 742.00' (15")
A2	NCDOT STD. 838.60	742.18'	INV IN = 740.74' (15")
A3	NCDOT STD 840.03	747.89'	INV IN = 741.88' (15") INV OUT = 741.68' (15")
A4	NCDOT STD 840.03	749.32'	INV IN = 745.17' (15") INV IN = 740.92' (15") INV IN = 743.76' (15") INV OUT = 740.92' (15")
A5	RISER STRUCTURE, SEE SHEET C-11.1		INV OUT = 740.00' (15")
A6	NCDOT STD 840.03	750.77'	INV IN = 746.38' (15") INV IN = 745.51' (15") INV OUT = 746.36' (15")
A9	TEE		INV IN = 743.17' (15") INV IN = 743.17' (15") INV OUT = 743.17' (12")
A10	FLARED END SECTION		INV IN = 742.00' (12")
A11	TRUCK WELL CATCH BASIN	745.58'	INV OUT = 743.58' (12")
A12	BEND		INV IN = 743.37' (12") INV OUT = 743.37' (15")
A13	OFFSET CATCH BASIN (CLOSM STD. 20.34)	749.32'	INV OUT = 744.00' (15")
A14	OFFSET CATCH BASIN (CLOSM STD. 20.34)	750.77'	INV OUT = 745.75' (15")
B1	NCDOT STD. 840.52	748.99'	INV IN = 739.15' (15") INV IN = 739.15' (18") INV OUT = 739.15' (18")
B2	NCDOT STD 840.02	748.12'	INV OUT = 743.99' (15")
B3	NCDOT STD 840.02	748.26'	INV IN = 744.30' (15") INV OUT = 744.30' (15")
B4	NCDOT STD 840.02	748.05'	INV IN = 744.44' (15") INV OUT = 744.44' (15")
B5	NCDOT STD 840.02	748.27'	INV IN = 745.49' (8") INV OUT = 745.49' (15")
B6	NCDOT STD 840.02	748.13'	INV IN = 743.70' (15") INV OUT = 743.70' (15")
B7	NCDOT STD 840.02	748.13'	INV IN = 743.58' (15") INV OUT = 743.58' (18")
B8	NCDOT STD 840.02	750.03'	INV IN = 742.95' (18") INV OUT = 742.95' (18")
B9	NCDOT STD 840.02	750.08'	INV IN = 742.80' (18") INV OUT = 742.80' (15")
B10	EX. NCDOT STD 840.02	744.21'	INV IN = 737.50' (18") INV IN = 737.20' (18") INV OUT = 737.11' (30")
B11	NCDOT STD. 840.52	746.63'	INV IN = 737.67' (18") INV OUT = 737.67' (18")
B13	NCDOT STD. 840.52	746.40'	INV IN = 738.03' (18") INV OUT = 738.03' (18")
B14	NCDOT STD 840.02 W/ 9' OF SUMP FOR PRETREATMENT SUMP ELEV. 737.42'	750.62'	INV IN = 743.42' (18") INV IN = 742.30' (24") INV IN = 743.23' (18") INV OUT = 742.30' (30")
B15	NCDOT STD 840.02	752.13'	INV IN = 743.68' (18") INV OUT = 743.68' (18")
B16	NCDOT STD 840.18	753.11'	INV IN = 745.45' (18")
B18	NCDOT STD 840.02	751.18'	INV IN = 742.60' (18") INV OUT = 742.60' (24")
B19	UNDG IN: SEE SHEET C-11.3		INV IN = 742.20' (30")
B20	UNDG OUT: SEE SHEET C-11.3		INV OUT = 740.00' (18")
C8	NCDOT STD 840.02	755.81'	INV IN = 746.44' (36") INV IN = 747.58' (15") INV OUT = 746.44' (36")
C19	NCDOT STD 840.02	753.80'	INV IN = 748.49' (15") INV OUT = 748.49' (15")
C20	NCDOT STD 840.02	753.80'	INV OUT = 748.73' (15")
C34	TRAFFIC BEARING STRUCTURE WITH MANHOLE COVER NCDOT STD. 840.46	742.68'	INV IN = 737.98' (18") INV IN = 740.81' (18") INV OUT = 737.68' (18")
C43	NCDOT STD 840.03	744.57'	INV IN = 737.58' (18") INV OUT = 737.58' (18")
C45	NCDOT STD 840.02	749.47'	INV OUT = 747.00' (12")

STORM SEWER PIPE SCHEDULE

FROM	FROM INV	TO	TO INV	PIPE LENGTH	SLOPE (%)	DIAMETER (IN.)	MATERIAL
A1	742.00'	A3	741.88'	24.01'	0.50%	15"	RCP
A3	741.88'	A4	740.92'	192.50'	0.50%	15"	RCP
A4	740.92'	A2	740.74'	35.50'	0.50%	15"	RCP
A5	740.00'	B1	739.15'	84.25'	1.01%	15"	RCP
A6	746.38'	A4	745.17'	121.10'	1.00%	15"	RCP
A7	748.26'	A6	748.38'	187.53'	1.00%	15"	RCP
A9	743.17'	A10	742.00'	15.58'	7.53%	12"	HDPE
A11	743.58'	A12	743.37'	20.67'	1.00%	12"	HDPE
A12	743.37'	A9	743.17'	20.17'	1.00%	15"	RCP
A13	744.00'	A4	743.76'	24.00'	1.00%	15"	RCP
A14	745.75'	A6	745.51'	24.02'	1.00%	15"	RCP
B1	739.15'	B13	738.03'	223.85'	0.50%	18"	RCP
B2	743.99'	B6	743.70'	42.23'	0.69%	15"	RCP
B3	744.30'	B14	743.23'	106.77'	1.00%	18"	RCP
B4	744.44'	B3	744.30'	13.87'	1.00%	15"	RCP
B5	745.49'	B4	744.44'	105.52'	1.00%	15"	RCP
B6	743.70'	B7	743.58'	24.01'	0.50%	15"	RCP
B7	743.58'	B8	742.95'	117.58'	0.54%	18"	RCP
B8	742.95'	B9	742.80'	24.00'	0.63%	18"	RCP
B9	742.80'	B18	742.60'	38.94'	0.51%	18"	RCP
B11	737.67'	B10	737.50'	34.14'	0.50%	18"	RCP
B13	738.03'	B11	737.67'	72.13'	0.50%	18"	RCP
B14	742.30'	B19	742.20'	9.57'	1.04%	30"	RCP
B15	743.68'	B14	742.42'	126.52'	1.00%	18"	RCP
B16	745.45'	B15	743.68'	72.70'	2.43%	18"	RCP
B18	742.60'	B14	742.30'	51.15'	0.59%	24"	RCP
B20	740.00'	B1	739.15'	137.77'	0.62%	18"	RCP
C9	746.93'	C8	746.44'	97.40'	0.50%	36"	RCP
C19	748.49'	C8	747.68'	80.99'	1.00%	15"	RCP
C20	748.73'	C19	748.49'	24.00'	1.00%	15"	RCP
C21	742.46'	C29	738.98'	504.73'	0.69%	18"	RCP
C29	738.98'	C33	738.31'	66.98'	1.00%	18"	RCP
C33	738.01'	C34	737.68'	70.79'	0.50%	18"	RCP
C34	737.65'	C43	737.58'	14.18'	0.50%	18"	RCP
C43	737.58'	B10	737.20'	76.91'	0.50%	18"	RCP
C45	747.00'	C8	744.80'	182.94'	1.20%	12"	HDPE

ROOF DRAIN SCHEDULE

PIPE NO.	UPPER INVERT	LENGTH	SIZE (in.)	SLOPE (%)	LOWER INVERT	MATERIAL
RD1	746.08	64.16	8"	0.92%	745.49	HDPE
RD2	746.50	28.34	8"	1.46%	746.08	HDPE
RD3	746.85	35.56	8"	1.00%	746.50	HDPE
RD4	747.00	8.43	8"	1.71%	746.85	HDPE
RD5	747.00	15.59	8"	6.94%	745.91	HDPE
RD6	743.61	5.35	12"	5.00%	743.34	HDPE
RD7	743.34	17.82	18"	1.00%	743.17	RCP

REFERENCES

GEOTECHNICAL:
NOVA ENGINEERING AND ENVIRONMENTAL, INC
"GEOTECHNICAL ENGINEERING REPORT E. INDEPENDENCE SITE
CHARLOTTE, NORTH CAROLINA"
DATED: 6/16/17
JOB NUMBER: 16705-2017014

INSET A
1"=10'

INSET B
1"=10'

30 15 7.5 0 30
1"= 30'

BOHLER ENGINEERING NC, PLLC
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REV	DATE	COMMENT	BY
1	10/11/17	PER CITY OF CLT & NCDOT COMMENTS	SRF
2	11/29/17	PER CITY OF CLT & NCDOT COMMENTS	SRF
3	1/9/18	PER MECKLENBURG COUNTY COMMENTS	SRF

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SCALE:	AS NOTED
CAD I.D.:	GUC

PROJECT:
CONNECTION POINT
FOR
EASTSIDE CONNECTIONS JV, LLC
LOCATION OF SITE
MONROE RD & LONG AVE
CHARLOTTE, NC 28212
MECKLENBURG COUNTY

BOHLER ENGINEERING NC, PLLC
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1/9/18

SHEET TITLE
GRADING AND DRAINAGE PLAN

SHEET NUMBER:
C-6.1

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