MATCHLINE - SHEET C-8.3

MATCHLINE - SHEET C-8.2

PROP. LAYDOWN AREA

PHASE I SKIMMER BASIN #1
DISTURBED AREA: 2.00 AC
10 YEAR PEAK FLOW: 5.85 CFS
LENGTH: AVG. 64 FT
WIDTH: AVG. 45 FT
STORAGE DEPTH: 7.60'
STORAGE REQUIRED: 3,600 CF
STORAGE PROVIDED @ 747.60' ELEV: 20,344 CF
SURFACE AREA REQUIRED @ 747.60' ELEV: 1,911 CF
SURFACE AREA PROVIDED @ 747.60' ELEV: 4,350 CF
BOTTOM OF BASIN: 739.00'
SKIMMER MAIN CREST ELEVATION: 747.60'
SKIMMER SIZE: 1.50"
SKIMMER ORIFICE DIA: 1.30"
MAX. 10 YEAR WSEL ACROSS SPILLWAY: N/A"
FREEBOARD: N/A"
TOP OF BERM ELEVATION: 749.00'
SKIMMER INVERT ELEVATION: 740.00
(REFER TO SHEET C-11.1 TO SEE THAT THE RISER PASSES THE 50 YEAR STORM EVENT)

A-2
A= 6.61 AC
C= 0.50
i= 5.88 IN/HR

LONG AVENUE
40' PUBLIC RIGHT-OF-WAY
POSTED SPEED LIMIT: 25 MPH
CDOT MAINTAINED
CLOSED U-04 MODIFIED

PROP. 18" STORM PIPE TO ALLOW ACCESS OVER TEMPORARY DITCHES

TEMPORARY DITCH #5

PROP. DRAINAGE SWALE WITH CHECK DAMS

PROP. FLEXIBLE PIPE SLOPE DRAIN

PROP. FAIRCLOTH SKIMMER

STM STRUCTURE AS TOP OF RISER TO ACT AS EMERGENCY SPILLWAY. SEE SHEET C-11.1. STRUCTURE WILL BE CONVERTED TO RISER SPECIFICATIONS DURING PHASE III.

PROP. BAFFLE

PROP. STOCKPILE

PHASE I SKIMMER BASIN #2
DISTURBED AREA: 6.61 AC.
10 YEAR PEAK FLOW: 19.43 CFS
LENGTH: AVG. 153 FT
WIDTH: AVG. 59 FT
STORAGE DEPTH: 4.50'
STORAGE REQUIRED: 11,656 CF
STORAGE PROVIDED @ 746.50' ELEV: 32,571 CF
SURFACE AREA REQUIRED @ 746.50' ELEV: 7,900 CF
SURFACE AREA PROVIDED @ 746.50' ELEV: 9,025 CF
BOTTOM OF BASIN: 741.00'
EMERGENCY SPILLWAY ELEVATION: 746.50'
EMERGENCY SPILLWAY LENGTH: 25'
SKIMMER MAIN CREST ELEVATION: 746.50'
SWIMMER: 2.00"
SKIMMER ORIFICE DIA: 1.50"
MAX. 10 YEAR WSEL ACROSS SPILLWAY: 746.90'
FREEBOARD: 1.10'
TOP OF BERM ELEVATION: 748.00'
SKIMMER INVERT ELEVATION: 742.00'

TEMPORARY DITCH #3

PROP. SILT FENCE

EXISTING SWALE AND HEADWALL TO BE PROTECTED UNTIL REMOVED/ RE-ROUTED. TEMPORARY DITCH #4 IS TO BE INSTALLED WHEN HEADWALL IS REMOVED.

PROP. CONCRETE WASHOUT

PROP. TEMPORARY 12" PIPE FOR TIRE WASH

PROP. TIRE WASH

TEMPORARY DITCH #4

PROP. DRAINAGE SWALE WITH CHECK DAMS

PROP. EMERGENCY SPILLWAY

PROP. 12" PVC SKIMMER
OUTLET PIPE
INV IN: 742.00'
INV OUT: 739.00'
LENGTH: 181.93 LF
SLOPE: 1.66%

MONROE ROAD
VARIABLE PUBLIC RIGHT-OF-WAY
POSTED SPEED LIMIT: 35 MPH
NCDOT MAINTAINED (SR-1009)

IDLEWILD ROAD
VARIABLE PUBLIC RIGHT-OF-WAY
PARTIALLY CONTROLLED ACCESS
POSTED SPEED LIMIT: 35 MPH
CDOT MAINTAINED

NOTES:
1. LOCATING THE FENCE ALONG PROPERTY LINES AND SENSITIVE AREAS SHOULD BE PERFORMED BY A LICENSED SURVEYOR AND THAT COST SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
2. SEE LANDSCAPE PLAN FOR PERMANENT SODDING AND MULCHING.

LEGEND

TITLE	SYMBOL
SEDIMENT FENCE	SF
STOCK PILE	
TEMPORARY DIVERSION DITCH	
STABILIZED STONE CONSTRUCTION ENTRANCE/EXIT WITH CONCRETE WASHOUT (SEE SHEET C- 12.0 FOR DETAIL)	SCE
BAFFLE	
SKIMMER DEWATERING DEVICE	
INLET PROTECTION	
CONCRETE WASHOUT	
CONSTRUCTION FENCING	
LIMITS OF DISTURBANCE	
DRAINAGE AREA PHASE 1	
STABILIZATION MATTING	
CHECK DAMS	
DIRECTIONAL CHECK DAM	

30 15 7.5 0 30
1"= 30'

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REVISIONS

REV	DATE	COMMENT	BY
1	10/11/17	PER CITY OF CLT & NCDOT COMMENTS	SRF
2	11/28/17	PER CITY OF CLT & NCDOT COMMENTS	SRF

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PROJECT No.: NCC162120
DRAWN BY: SRF/AJS
CHECKED BY: DWF
DATE: 8/8/17
SCALE: 1"=30'
CAD I.D.: OPQ

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

BOHLER
ENGINEERING NC, PLLC
NCBELS P-1102
1927 S. TRYON STREET, SUITE 310
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL No.31128 ANDREW F. MORIARTY 11/28/17

SHEET TITLE
EROSION CONTROL PLAN PHASE I

SHEET NUMBER:
C-8.1

K:\BI-BNG\2162120\ENGINEERING\EROSION CONTROL\162120-EROSION CONTROL PHASE I.DWG PLOTTED BY: SRFARMSTRONG 11/28/17 @ 3:45 PM LAST SAVED BY: SRFARMSTRONG