

**SEQUENCE OF CONSTRUCTION - PHASE I**

- EROSION CONTROL PLAN IS APPROVED BY THE CITY OF CHARLOTTE EROSION CONTROL PROGRAM.
  - CONTRACTOR TO SET UP AN ON-SITE PRE-CONSTRUCTION MEETING WITH CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE MEETING 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY OR DEMOLITION IS A VIOLATION OF CHAPTER 17 OF CITY CODE AND SUBJECT TO A FINE.
  - THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO INSTALLATION OF SEDIMENT CONTROL MEASURES, DEMOLITION OR OTHER LAND DISTURBING ACTIVITIES.
  - INSTALL SAFETY FENCE, CONSTRUCTION FENCE, AND SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING PERIMETER SILT FENCE, INLET PROTECTION AND STABILIZED CONSTRUCTION ENTRANCE/EXIT.
- PERIMETER CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THIS SITE BY CONTRACTOR. PERIMETER CONTROLS ARE TO REMAIN FUNCTIONING FOR THE DURATION OF THE PROJECT. THE MONITORING AND INSPECTING OF EROSION CONTROL MEASURES SHOULD FOLLOW THE GUIDELINES OF THE NEPDES PERMIT GENERAL PERMIT NSG 2196.
- INSTALL ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES, INCLUDING SKIMMER BASIN #1, 2, 4 AND 5, DIVERSION DITCH, STORM NETWORK REQUIRED TO DISCHARGE CLEAN WATER FROM BASINS (IE. STM STRUCTURES C34, C33, C29, C10, A3, A4, A2, C22, C21, D1, B10 AND C21).
  - AFTER SKIMMER BASIN #2 IS CONSTRUCTED, THE HEADWALL IS TO BE REMOVED AND EXISTING SWALE TO BE FILLED IN. THE TEMPORARY DITCH AND CHECK DAMS ARE TO BE INSTALLED AFTER AREA HAS BEEN FILLED AND STABILIZED.
  - SKIMMER BASIN #1 AND #5 WILL REMAIN IN PLACE FOR PHASE I AND PHASE II.
  - CONTACT SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION CONTROL MEASUREMENTS PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBING OR GRADING.
  - UPON APPROVAL FROM SEDIMENT CONTROL INSPECTOR, COMPLETE DEMOLITION OF EXISTING FEATURES (PAVING, CURBS, ETC.), CLEARING AND GRUBBING, AND STRIP SITE OF TOP SOIL. ALL EXCESS SOIL TO BE HAULED OFF SITE. LOCATION OF SOIL HAULED OFF SITE SHALL BE DISCLOSED TO EC COORDINATOR AND MUST BE TO A PERMITTED FACILITY.
  - ALL DISCLOSED MATERIAL IS TO BE DISPOSED IN ACCORDANCE WITH APPLICABLE NORTH CAROLINA REGULATIONS. CONTRACTOR TO ENSURE ALL APPLICABLE DEMOLITION PERMITS HAVE BEEN ISSUED AND HAVE ON FILE ORIGINALS OF THE SAME PRIOR TO COMMENCING DEMOLITION ACTIVITIES.
  - CONTACT SEDIMENT CONTROL INSPECTOR UPON COMPLETION OF STRIPPING. IMMEDIATELY FOLLOW THE STOCKPILING OF TOPSOIL, THE CONSTRUCTION OF TEMPORARY SEDIMENT AND EROSION CONTROL MEASUREMENTS, REMOVAL OF ALL EXISTING SITE MATERIAL, AND PREPARATION OF THE GROUND.

**BOHLER ENGINEERING, INC.**  
 REGISTERED PROFESSIONAL ENGINEERS  
 STATE OF NORTH CAROLINA  
 ENGINEERING NO. 15456  
 1927 S. TRYON STREET, SUITE 310  
 CHARLOTTE, NC 28203  
 PHONE: (980) 272-3400  
 FAX: (980) 272-3491  
 EMAIL: [NC@BohlerEng.com](mailto:NC@BohlerEng.com)

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**REVISIONS**

| REV | DATE     | COMMENT                          | BY  |
|-----|----------|----------------------------------|-----|
| 1   | 10/11/17 | PER CITY OF CLT & NCDOT COMMENTS | SRF |
| 2   | 11/20/17 | PER CITY OF CLT & NCDOT COMMENTS | SRF |
|     |          |                                  |     |
|     |          |                                  |     |

**811**  
 KNOW WHAT'S BELOW  
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 BEFORE YOU DIG  
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**NOTES:**

- 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.
- SEE LANDSCAPE PLAN FOR PERMANENT SODDING AND MULCHING.

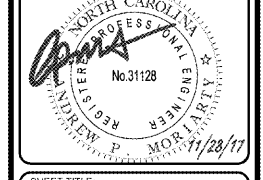
**LEGEND**

| TITLE   | SYMBOL            |
|---|-------------------|
| SEDIMENT FENCE  | -S-               |
| STOCK PILE  | [Hatched Box]     |
| TEMPORARY DIVERSION DITCH   | ->->-             |
| STABILIZED STONE CONSTRUCTION ENTRANCE/EXIT WITH CONCRETE WASHOUT (SEE SHEET C-12.0 FOR DETAIL) | [Hatched Box] SCE |
| BAFFLE  | -     -           |
| SKIMMER DEWATERING DEVICE   | -□-               |
| INLET PROTECTION  | ○                 |
| CONCRETE WASHOUT  | ⊗                 |
| CONSTRUCTION FENCING  | -X-X-             |
| LIMITS OF DISTURBANCE   | - - - - -         |
| DRAINAGE AREA PHASE 1   | - - - - -         |
| STABILIZATION MATTING   | [Hatched Box]     |
| CHECK DAMS  | ▲                 |
| DIRECTIONAL CHECK DAM   | ▲                 |

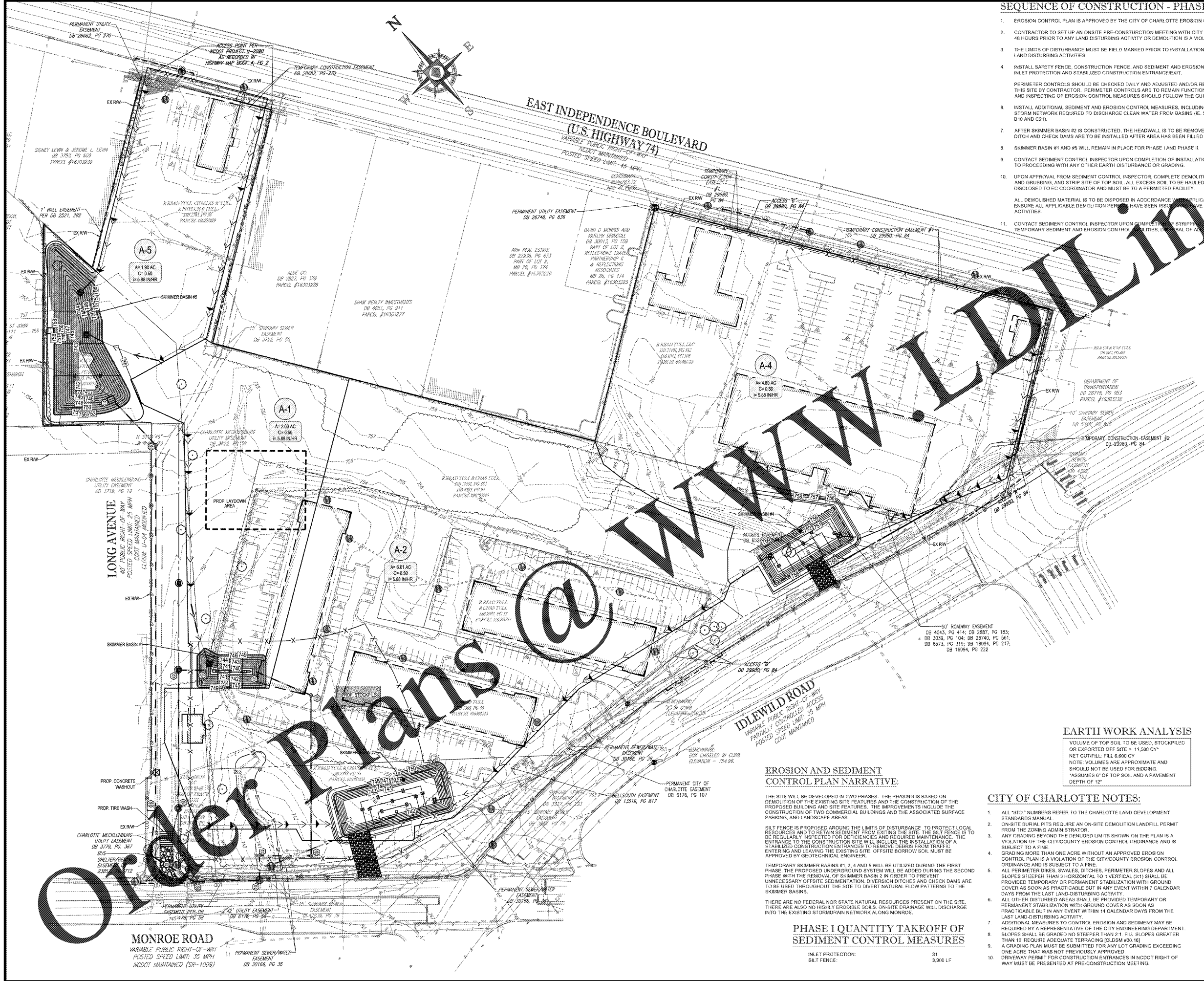
PROJECT NO.: NCC162120  
 DRAWN BY: SRF/AJS  
 DATE: 08/17  
 SCALE: 1"=60'  
 CAD I.D.: OPD

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

**BOHLER ENGINEERING, INC., PLLC**  
 NCE1519, P.0112  
 1927 S. TRYON STREET, SUITE 310  
 CHARLOTTE, NC 28203  
 Phone: (980) 272-3400  
 Fax: (980) 272-3491  
 Email: [NC@BohlerEng.com](mailto:NC@BohlerEng.com)



**OVERALL EROSION CONTROL PLAN PHASE I**  
 SHEET NUMBER:  
**C-8.0**



**EROSION AND SEDIMENT CONTROL PLAN NARRATIVE:**

THE SITE WILL BE DEVELOPED IN TWO PHASES. THE PHASING IS BASED ON DEMOLITION OF THE EXISTING SITE FEATURES AND THE CONSTRUCTION OF THE PROPOSED BUILDING AND SITE FEATURES. THE IMPROVEMENTS INCLUDE THE CONSTRUCTION OF TWO COMMERCIAL BUILDINGS AND THE ASSOCIATED SURFACE PARKING AND LANDSCAPE AREAS.

SILT FENCE IS PROPOSED AROUND THE LIMITS OF DISTURBANCE TO PROTECT LOCAL RESOURCES AND TO RETAIN SEDIMENT FROM EXITING THE SITE. THE SILT FENCE IS TO BE REGULARLY INSPECTED FOR DEFICIENCIES AND REQUIRED MAINTENANCE. THE ENTRANCE TO THE CONSTRUCTION SITE WILL INCLUDE THE INSTALLATION OF A STABILIZED CONSTRUCTION ENTRANCES TO REMOVE DEBRIS FROM TRAFFIC ENTERING AND LEAVING THE EXISTING SITE. OFFSITE BORROW SOIL MUST BE APPROVED BY GEOTECHNICAL ENGINEER.

TEMPORARY SKIMMER BASINS #1, 2, 4 AND 5 WILL BE UTILIZED DURING THE FIRST PHASE. THE PROPOSED UNDERGROUND SYSTEM WILL BE ADDED DURING THE SECOND PHASE WITH THE REMOVAL OF SKIMMER BASIN 2 IN ORDER TO PREVENT UNNECESSARY OFFSITE SEDIMENTATION. DIVERSION DITCHES AND CHECK DAMS ARE TO BE USED THROUGHOUT THE SITE TO DIVERT NATURAL FLOW PATTERNS TO THE SKIMMER BASINS.

THERE ARE NO FEDERAL NOR STATE NATURAL RESOURCES PRESENT ON THE SITE. THERE ARE ALSO NO HIGHLY ERODIBLE SOILS. ON-SITE DRAINAGE WILL DISCHARGE INTO THE EXISTING STORMWATER NETWORK ALONG MONROE.

**PHASE I QUANTITY TAKEOFF OF SEDIMENT CONTROL MEASURES**

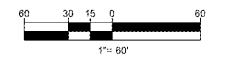
|                  |          |
|------------------|----------|
| INLET PROTECTION | 31       |
| SILT FENCE:      | 3,900 LF |

**EARTH WORK ANALYSIS**

VOLUME OF TOP SOIL TO BE USED, STOCKPILED OR EXPORTED OFF SITE = 11,500 CY\*  
 NET OUTFILL: FILL 6,600 CY  
 NOTE: VOLUMES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING.  
 \*ASSUMES 6" OF TOP SOIL AND A PAVEMENT DEPTH OF 12"

**CITY OF CHARLOTTE NOTES:**

- ALL "STD" NUMBERS REFER TO THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL.
- ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
- ANY GRADING BEYOND THE DEMOLISHED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- ALL PERIMETER DIKS, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
- ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
- ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
- SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10 REQUIRE ADEQUATE TERRACING (SDOM #30.16).
- A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
- DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.



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