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SUPPLEMENTAL DRAWING SET (ESP ASSOCIATES, P.A.)

SHEET CS1 - CS5 CHANNEL CROSS SECTIONS

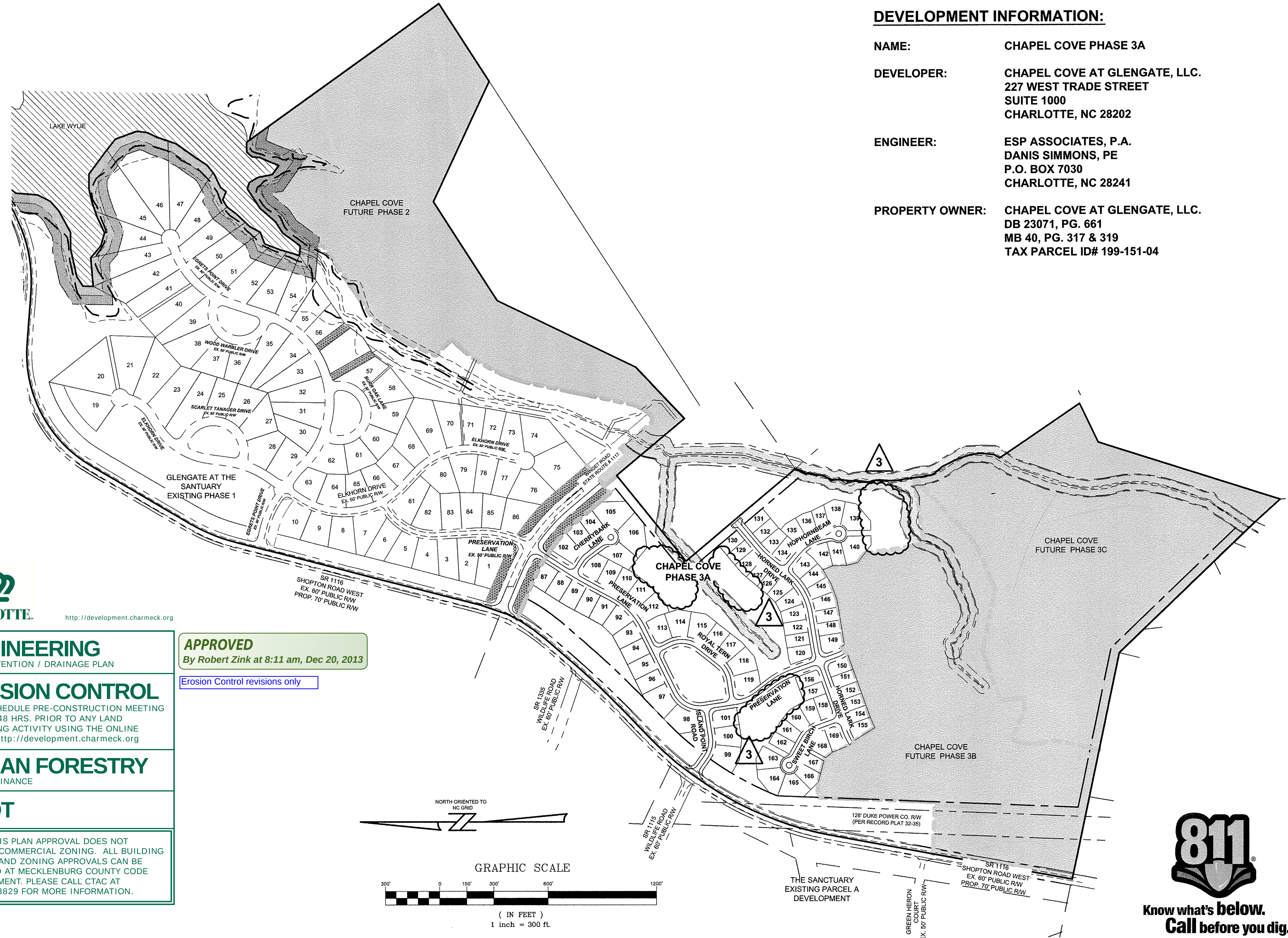
SUPPLEMENTAL DRAWING SET (LAND DESIGN SURVEYING)

SHEET NO. 1 - 7 CHANNEL CROSS SECTION SURVEY

CHAPEL COVE PHASE 3A

CITY OF CHARLOTTE, ETJ

MECKLENBURG COUNTY, NC



DEVELOPMENT INFORMATION:

NAME: CHAPEL COVE PHASE 3A

DEVELOPER: CHAPEL COVE AT GLENGATE, LLC.
227 WEST TRADE STREET
SUITE 1000
CHARLOTTE, NC 28202

ENGINEER: ESP ASSOCIATES, P.A.
DANIS SIMMONS, PE
P.O. BOX 7030
CHARLOTTE, NC 28241

PROPERTY OWNER: CHAPEL COVE AT GLENGATE, LLC.
DB 23071, PG. 661
MB 40, PG. 317 & 319
TAX PARCEL ID# 199-151-04



ENGINEERING
PCO / DETENTION / DRAINAGE PLAN

EROSION CONTROL
NOTE: SCHEDULE PRE-CONSTRUCTION MEETING AT LEAST 48 HRS. PRIOR TO ANY LAND DISTURBING ACTIVITY USING THE ONLINE FORM AT <http://development.charmeck.org>

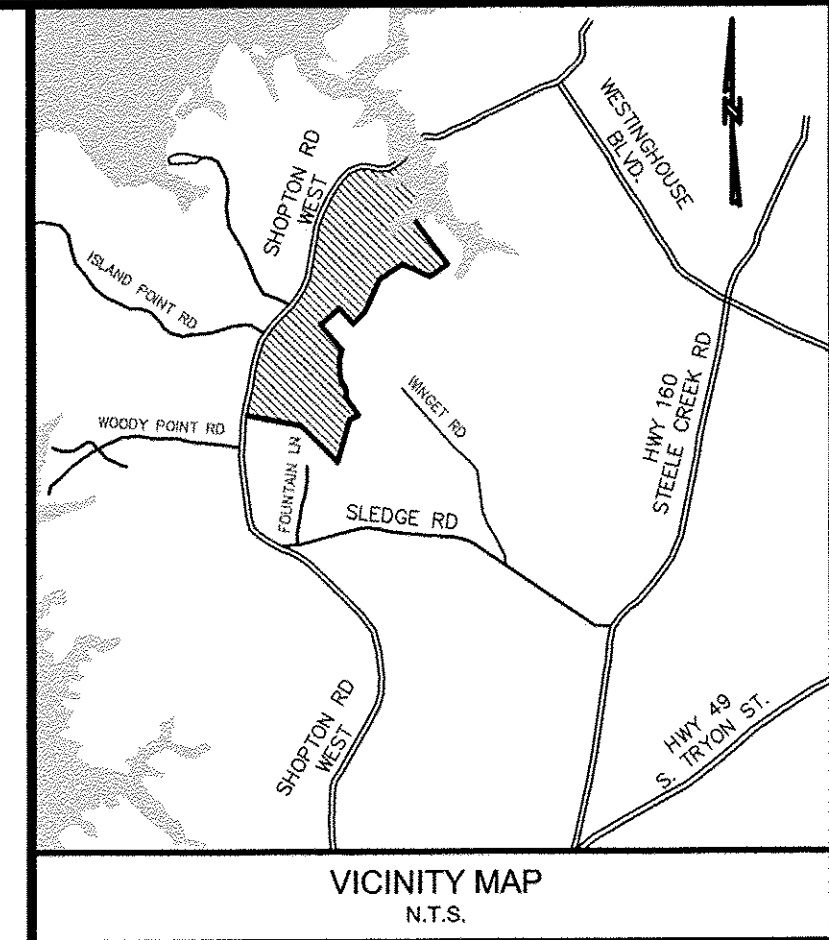
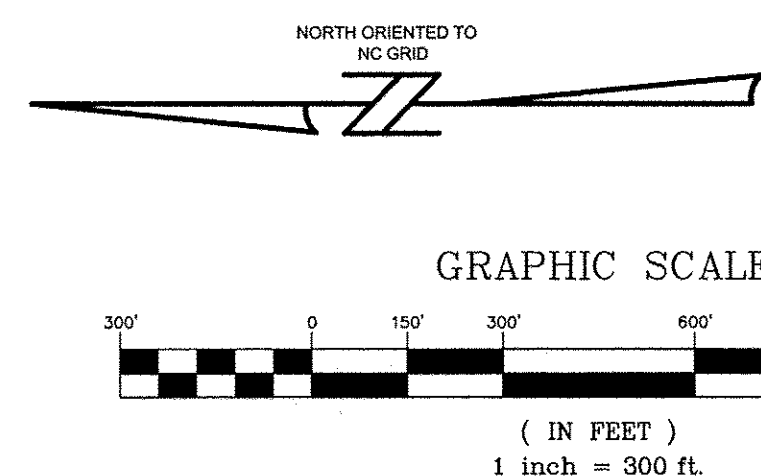
URBAN FORESTRY
TREE ORDINANCE

CDOT

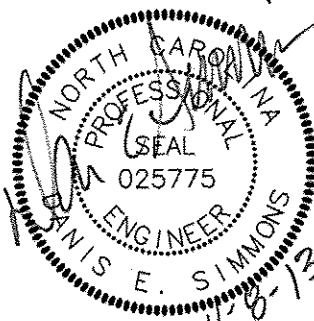
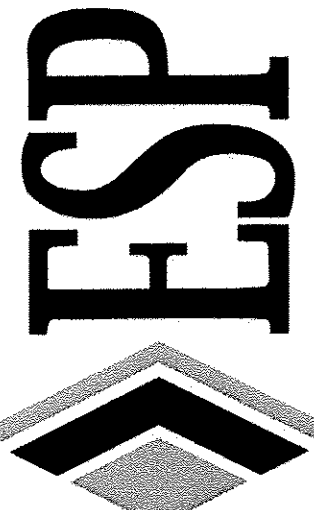
NOTE: THIS PLAN APPROVAL DOES NOT INCLUDE COMMERCIAL ZONING. ALL BUILDING PERMITS AND ZONING APPROVALS CAN BE OBTAINED AT MECKLENBURG COUNTY CODE ENFORCEMENT. PLEASE CALL CTAC AT 704-336-3829 FOR MORE INFORMATION.

APPROVED
By Robert Zink at 8:11 am, Dec 20, 2013

Erosion Control revisions only



ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
3475 Lakemont Blvd.
Fort Mill, SC 29708
704-336-4440 (NC)
803-562-4440 (SC)
www.esp-associates.com



BY	MUS	MUS	MUS
REVISION	REVISED PER AGENCY COMMENTS	REVISED PER CITY OF CHARLOTTE AND NCDOT COMMENTS	REVISED EROSION CONTROL PHASE 7 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST
DATE	01/21/2013	03/27/2013	11/20/2013
NO.	1	2	3

COVER SHEET

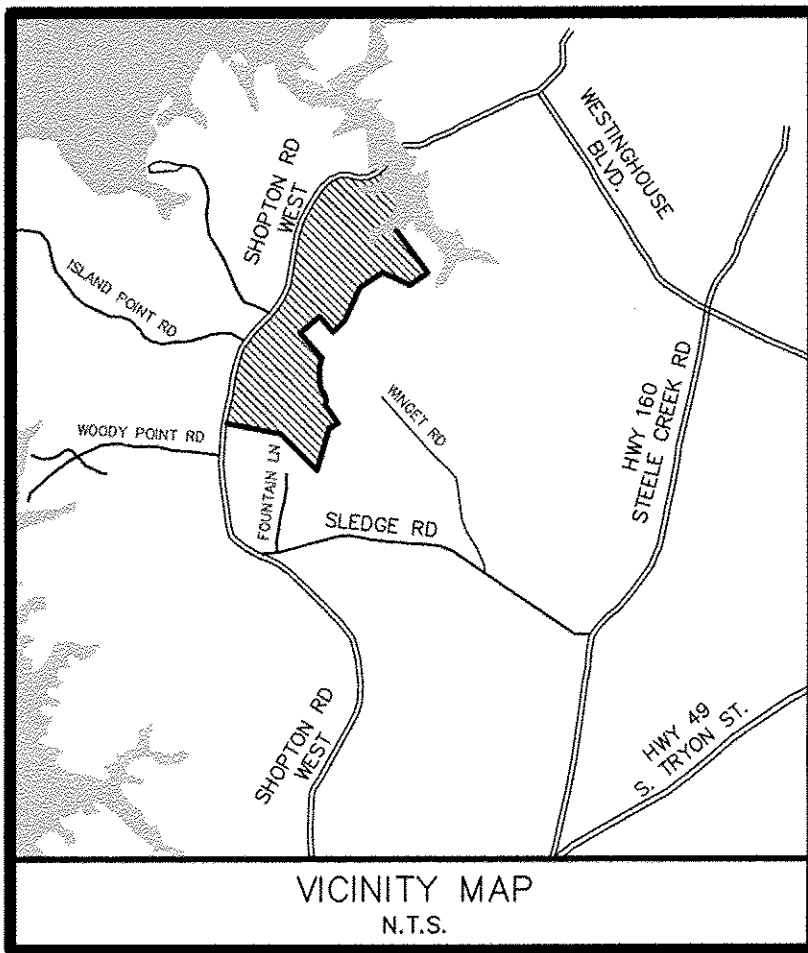
CHAPEL COVE PHASE 3A
CHARLOTTE ETJ, NC

PROJECT INFORMATION	DES
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MUS
PROJECT NUMBER:	UJ16.463
ORIGINAL DATE:	10/11/2012

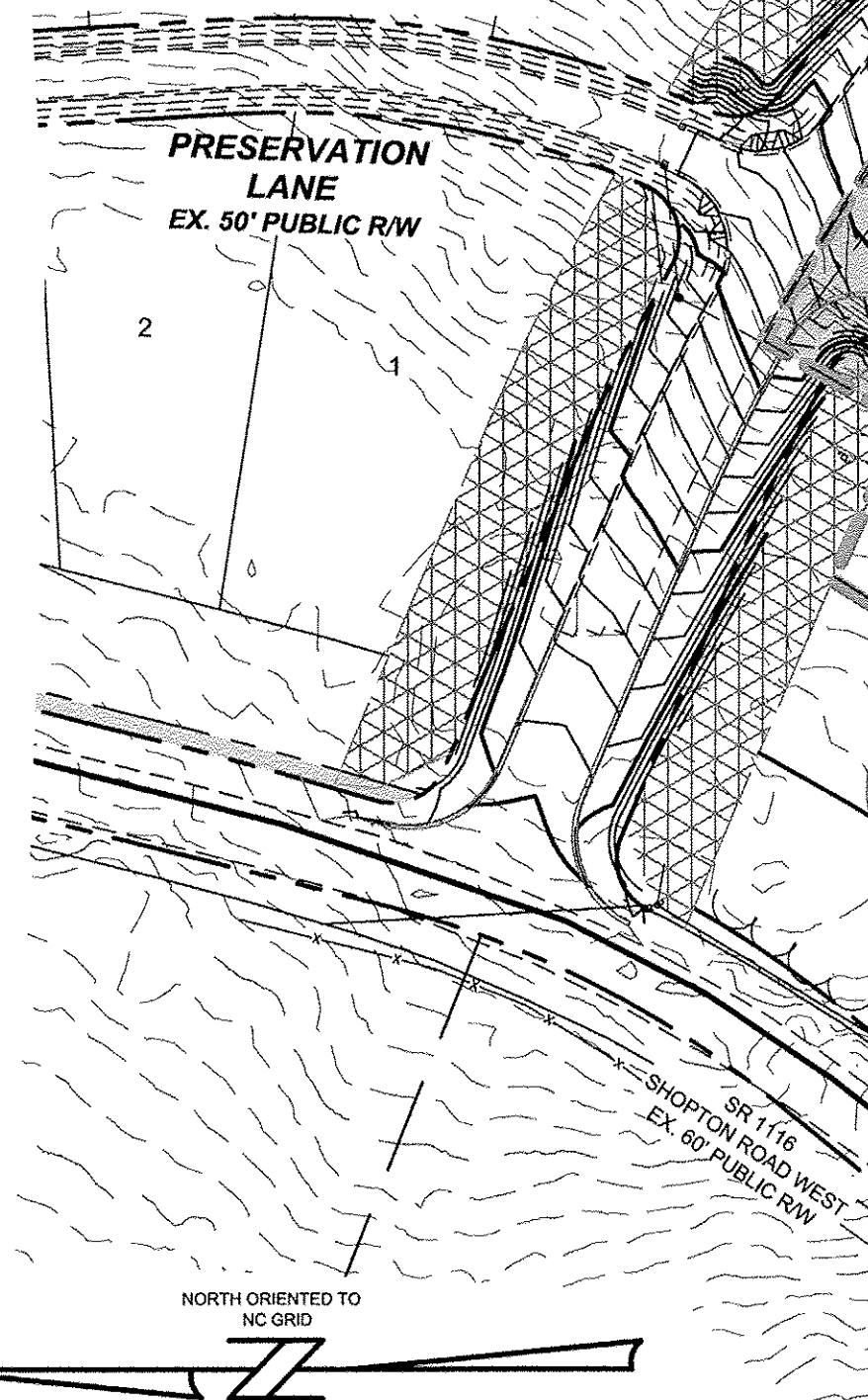
SHEET: **C0.0**



Know what's below.
Call before you dig.

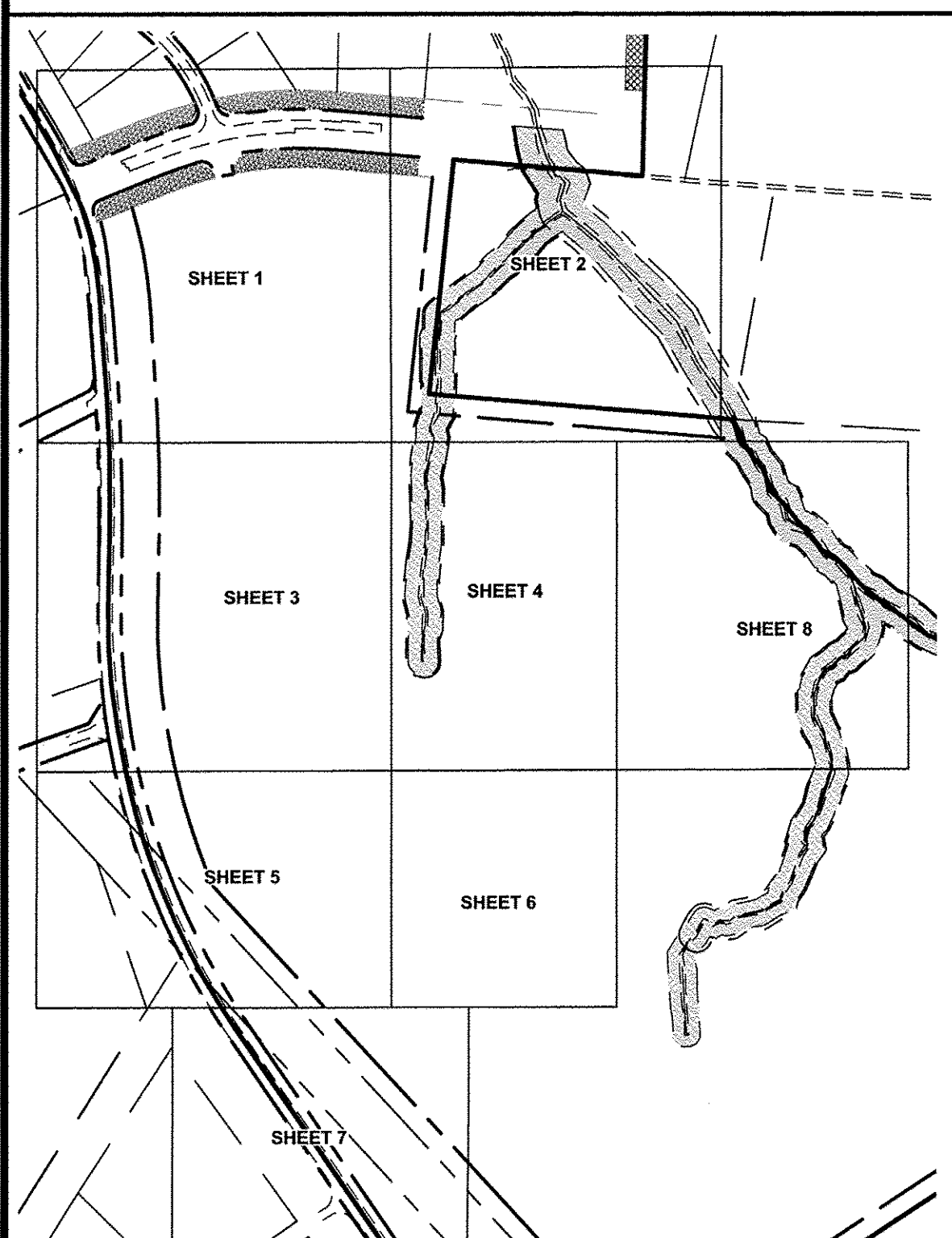


VICINITY MAP
N.T.S.

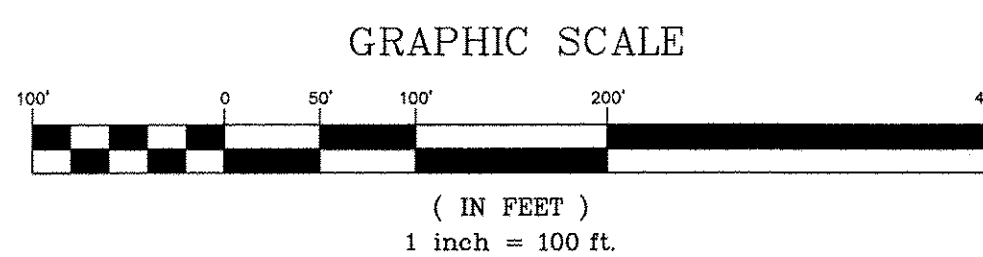


SOIL TYPES: DAB, IRB, MeB, MeD, MO, WKE, WKD

TOTAL PROJECT AREA: 59.89 AC
TOTAL DENUDED AREA: 47.2 AC (PHASE 2 EC)



SHEET INDEX
1"=400'



GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

LEDGEND

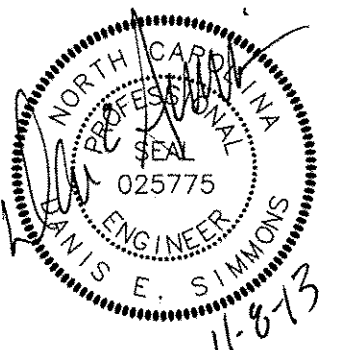
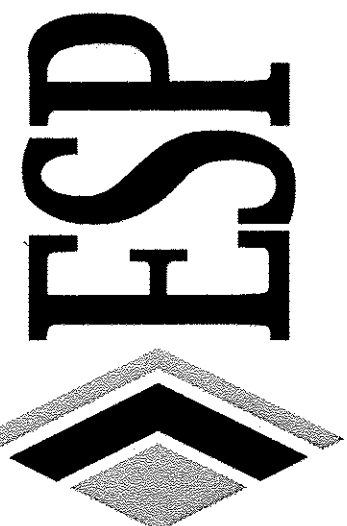
- PROP. DENUDED LIMITS
- PROP. TREE PROTECTION FENCE
- EXISTING TREE LINE
- PROP. CLEARING LIMITS

- APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 1 (20.23 AC.)
- APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 2 (6.51 AC.)
- APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 3 (6.34 AC.)
- SANITARY SEWER TRUNK LINE (1.80 AC.)
- SHOPTON ROAD IMPROVEMENTS (0.55 AC.)
- DUKE POWER R/W (2.26 AC.)



Know what's below.
Call before you dig.

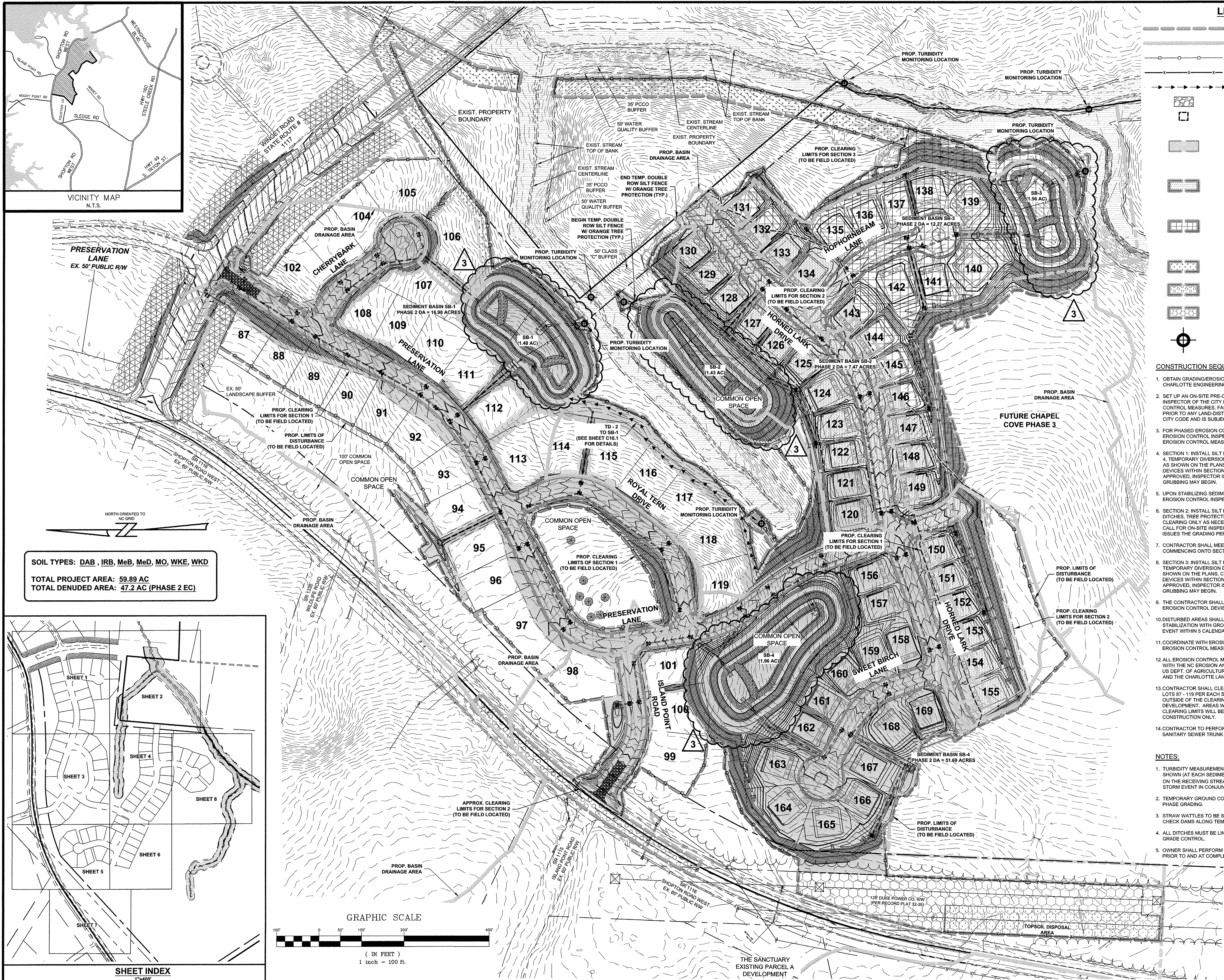
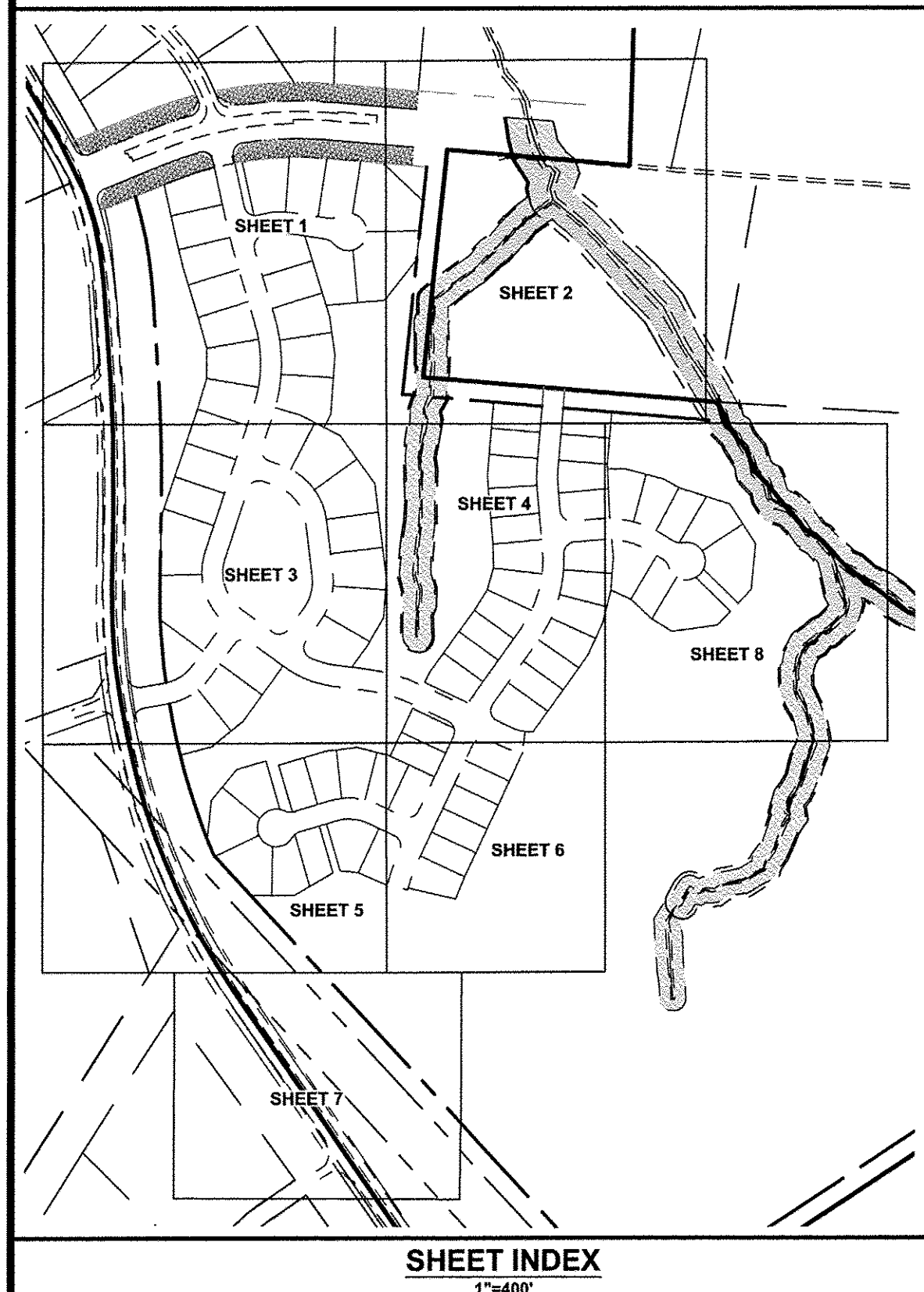
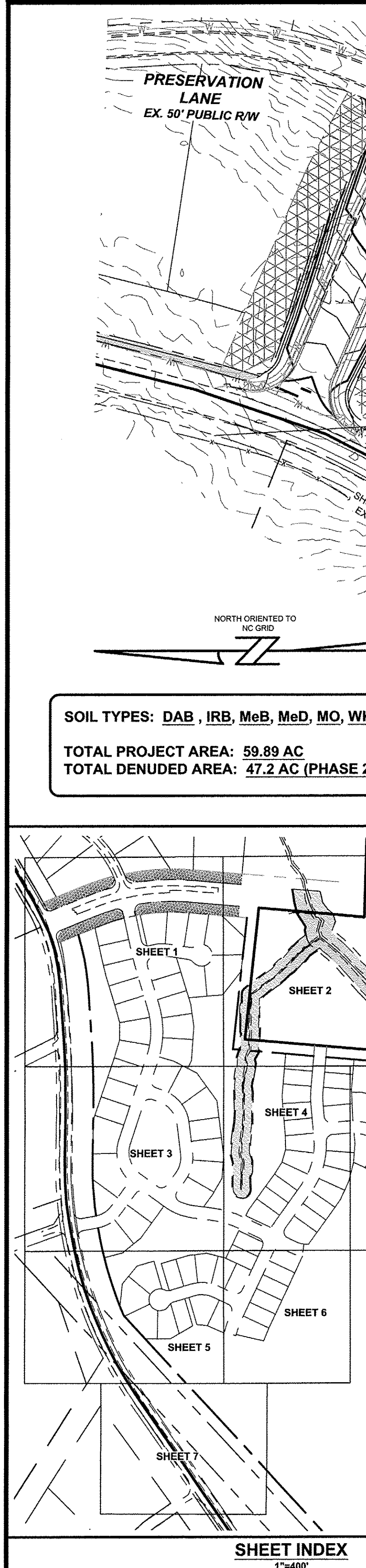
ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
Sally M. Simmons, P.E.
704-555-4444 (NC)
800-899-2440 (SC)
www.espassociates.com

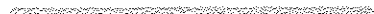
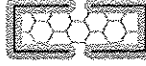


NO.	DATE	REVISION	BY	MUS
1	11/02/13	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST		

EROSION CONTROL PLAN - PHASE 2
OVERALL PHASING
CHAPEL COVE PHASE 3A
CHAPEL COVE AT GLENGATE, ILLC.
CHARLOTTE, NC

PROJECT INFORMATION	
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MJS
PROJECT NUMBER:	UJ16.463
ORIGINAL DATE:	03/27/2013
SHEET:	C10.10



	PROP. DENUDED LIMITS
	PROP. BASIN DRAINAGE AREA
	PROP. TREE PROTECTION FENCE
	TEMP. SILT FENCE
	TEMP. DIVERSION DITCH
	TEMP. ROCK CHECK DAM
	TEMP. INLET PROTECTION
	APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 1 (20.23 AC.)
	APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 2 (6.51 AC.)
	APPROX. LOCATION OF CLEARING LIMITS FOR EROSION CONTROL PHASE 1 - SECTION 3 (6.34 AC.)
	SANITARY SEWER TRUNK LINE (1.80 AC.)
	SHOPTON ROAD IMPROVEMENTS (0.55 AC.)
	DUKE POWER RW (2.26 AC.)
	PROP. TURBIDITY MONITORING LOCATION

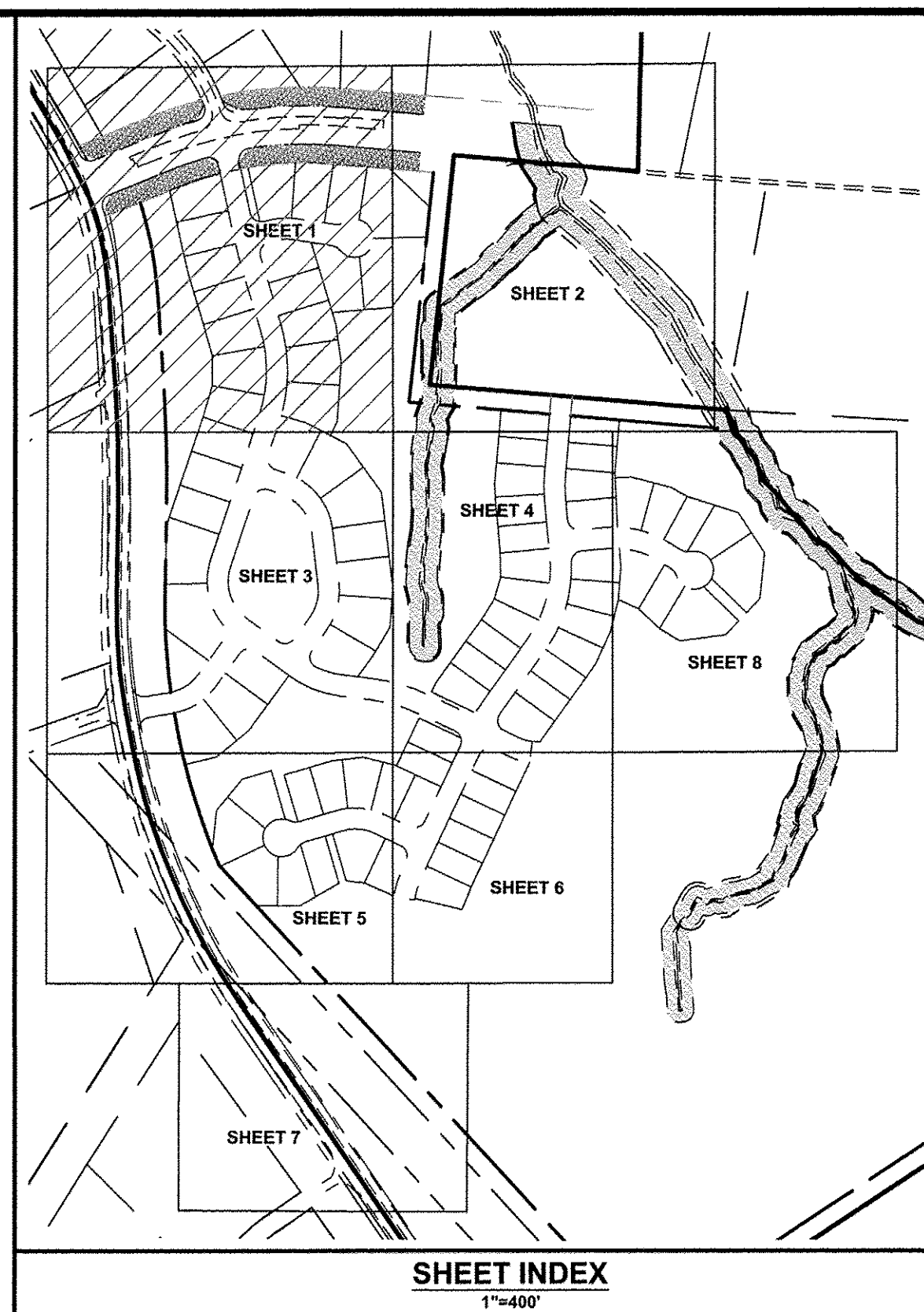
- ## CONSTRUCTION SEQUENCE
1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT.
 2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE CITY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO FINE.
 3. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
 4. SECTION 1: INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT BASINS 1, 2, AND 4, TEMPORARY DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON THE PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES WITHIN SECTION 1. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 5. UPON STABILIZING SEDIMENT BASIN AREAS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING UNTIL SECTION 2.
 6. SECTION 2: INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON THE PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES WITHIN SECTION 2. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 7. CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING UNTIL SECTION 3.
 8. SECTION 3: INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT BASIN 3, TEMPORARY DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON THE PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES WITHIN SECTION 3. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 9. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 10. DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 5 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.
 11. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 12. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT. OF AGRICULTURE, CITY OF CHARLOTTE EROSION CONTROL ORDINANCE, AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL.
 13. CONTRACTOR SHALL CLEAR ONLY WITHIN THE DESIGNATED CLEARING LIMITS OF LOTS 7 - 119 PER EACH SECTION LISTED ABOVE. DENUED LIMITS SHOWN OUTSIDE OF THE CLEARING LIMITS WITHIN THESE LOTS ARE FOR OVERALL DEVELOPMENT. AREAS OUTSIDE OF LOTS 7 - 119 BUT OUTSIDE OF THE SECTION 1 CLEARING LIMITS WILL BE SELECTIVELY CLEARED FOR INDIVIDUAL HOME CONSTRUCTION ONLY.
 14. CONTRACTOR TO PERFORM EROSION CONTROL MEASURES WITHIN THE SANITARY SEWER TRUNK LINE AREAS UPON APPROVAL FROM THE INSPECTOR.

NOTES:

1. TURBIDITY MEASUREMENTS ARE REQUIRED AT THE PROPOSED LOCATIONS SHOWN AT EACH SEDIMENT BASIN OUTFLOW AND UPSTREAM AND DOWNSTREAM OF THE RECEIVING STREAM EVERY WEEK AND AFTER EVERY 1 INCH OR GREATER STORM EVENT IN CONJUNCTION WITH NPDES LOG.
2. TEMPORARY GROUND COVER MUST BE PROVIDED FOR WITHIN 5 DAYS OF ANY PHASE GRADING.
3. STRAW WATTLES TO BE SPACED AT 50 FOOT INTERVALS BETWEEN TEMPORARY CHECK DAMS ALONG TEMPORARY DIVERSION DITCHES.
4. ALL DITCHES MUST BE LINED AND STABILIZED IMMEDIATELY AND HAVE SUITABLE GRADE CONTROL.
5. OWNER SHALL PERFORM DEPTH MEASUREMENTS IN THE DOWNSTREAM COVE PRIOR TO AND AT COMPLETION OF CONSTRUCTION.



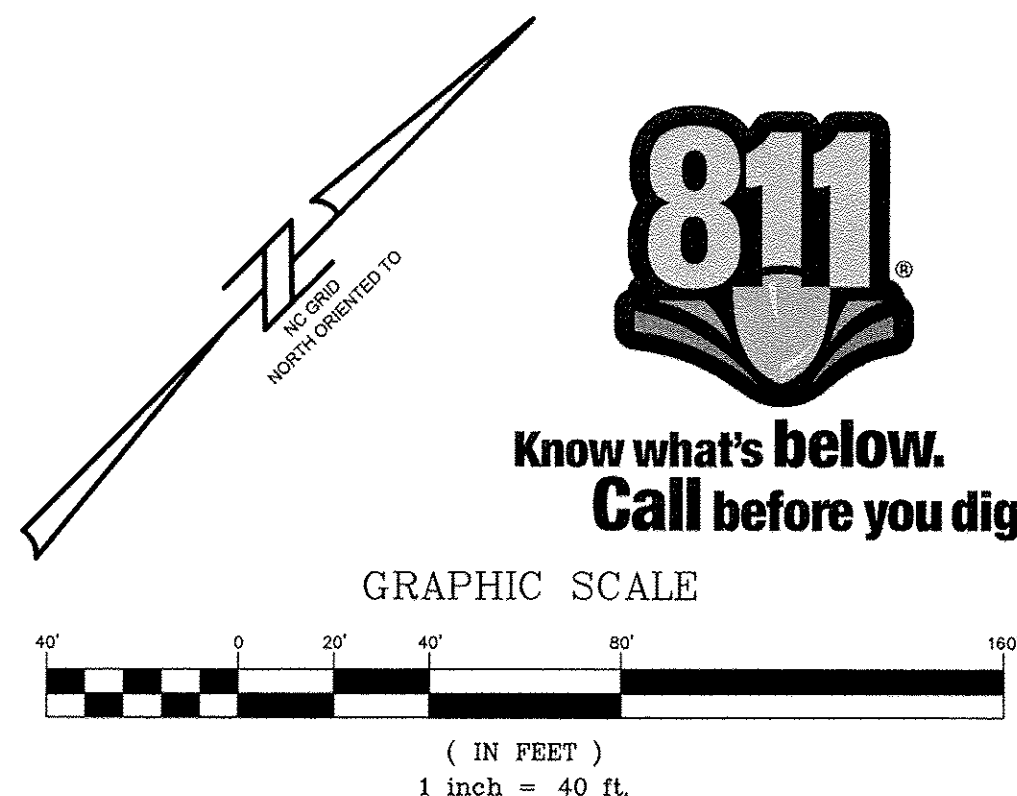
**Know what's below.
Call before you dig.**



SHEET INDEX

LEGEND

- | | |
|---|-----------------------------|
|  | PROP. DENUDED LIMITS |
|  | PROP. BASIN DRAINAGE AREA |
|  | PROP. TREE PROTECTION FENCE |
|  | TEMP. SILT FENCE |
|  | TEMP. DIVERSION DITCH |
|  | TEMP. ROCK CHECK DAM |
|  | TEMP. INLET PROTECTION |



ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
3475 Lakemont Blvd.
Fort Mill, SC 29708
704-583-4949 (NC)
803-802-2440 (SC)
www.espassociates.com



NO.	DATE	REVISION	BY
1	01/21/2013	REVISED PER AGENCY COMMENTS	MUS
2	03/27/2013	REVISED PER CITY OF CHARLOTTE AND NC DOT COMMENTS	MUS
3	11/8/2013	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST	MUS

EROSION CONTROL PLAN - PHASE 2
(SHEET 1 OF 8)

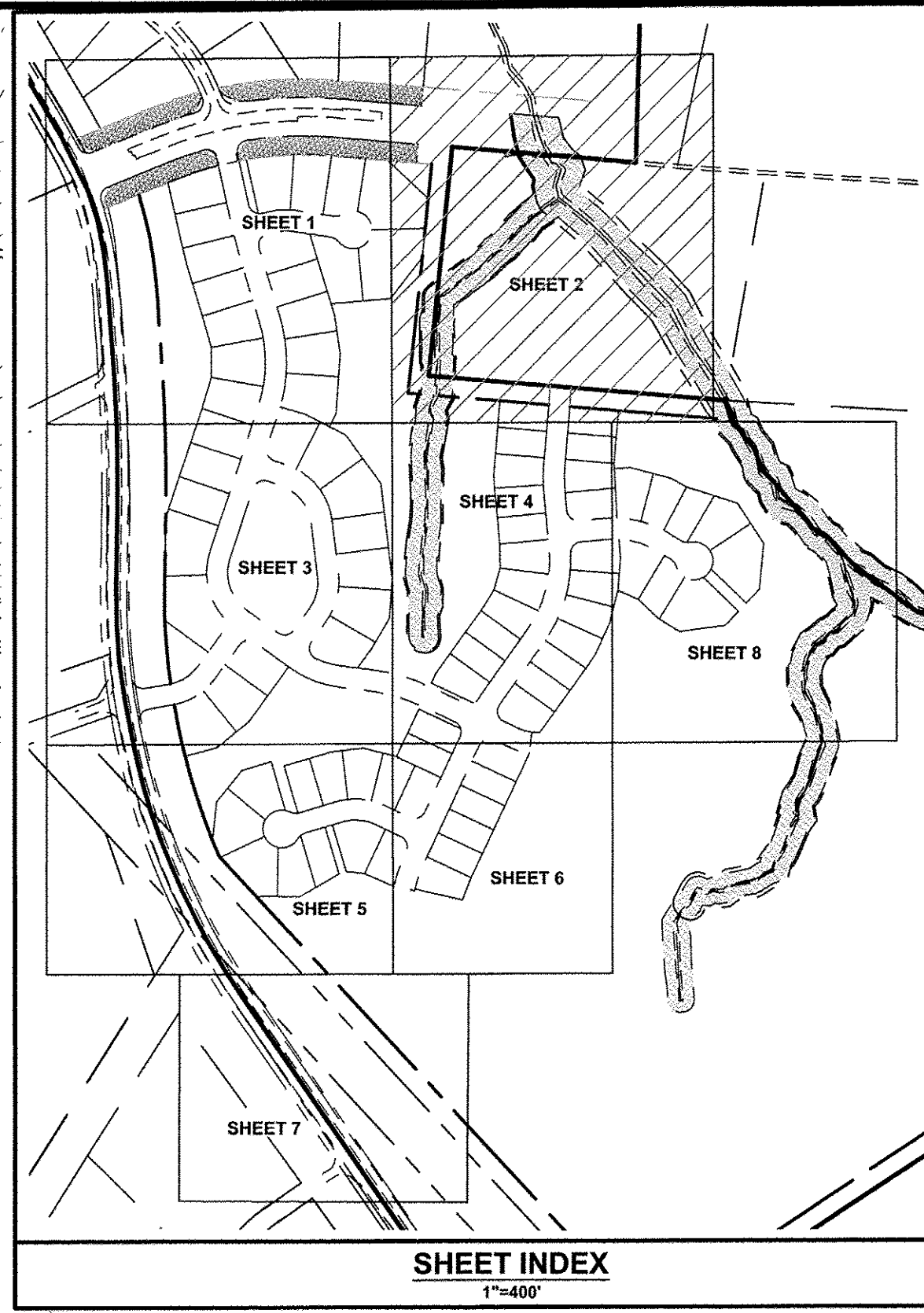
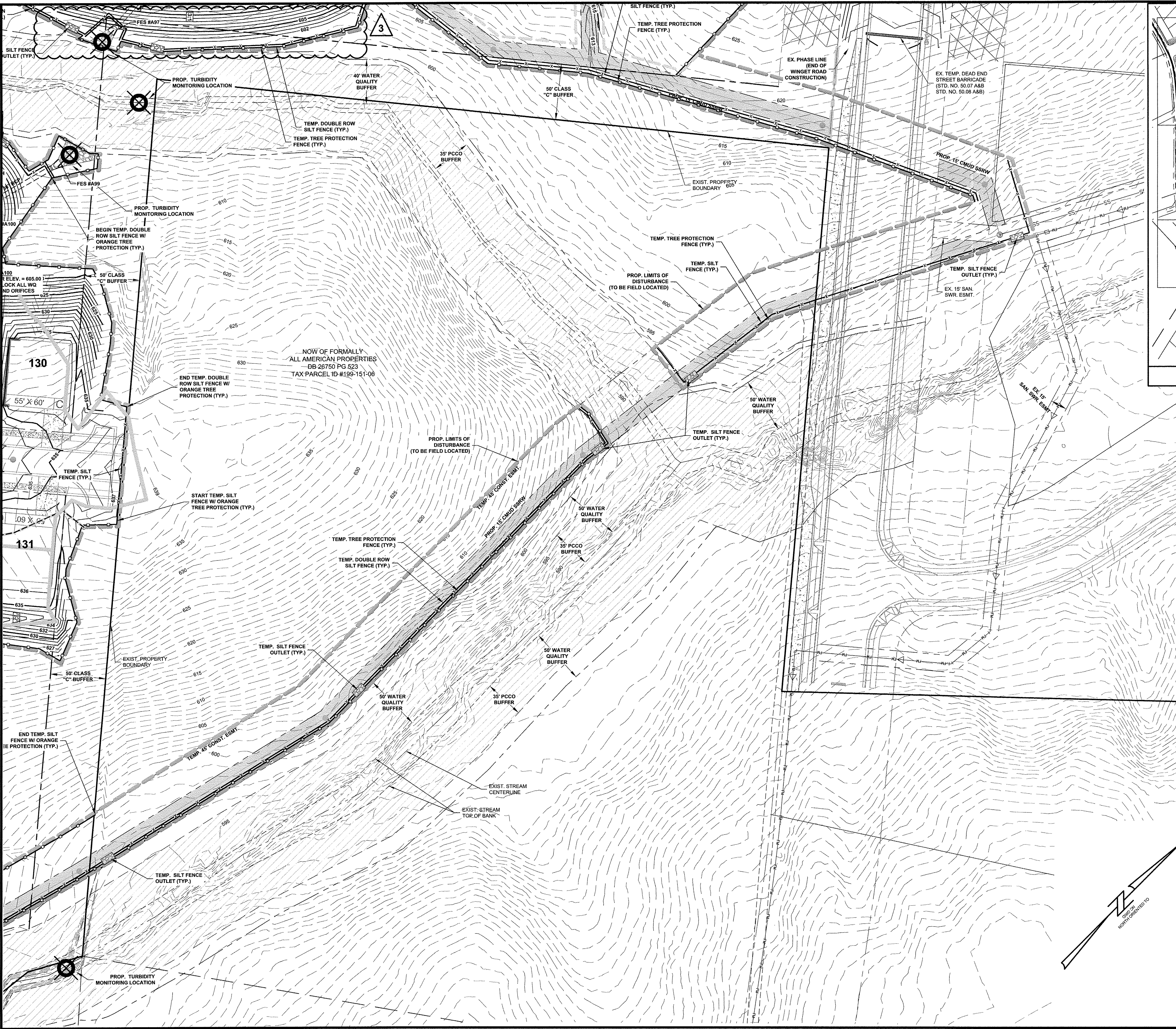
CHAPEL COVE PHASE 3A

CHAPEL COVE AT GLENGATE, LLC.

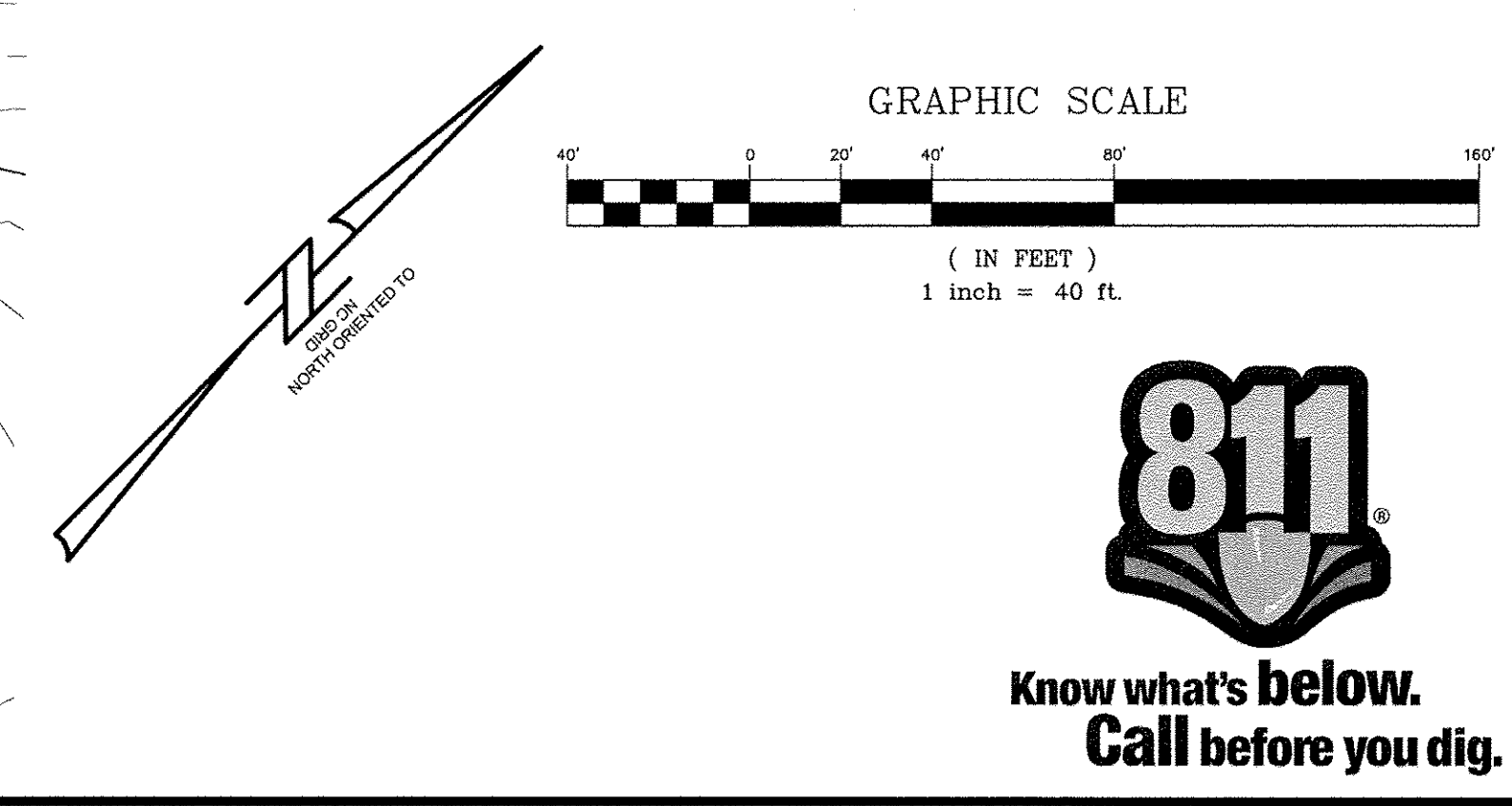
PROJECT INFORMATION	
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MJS
PROJECT NUMBER:	UJ16.4
ORIGINAL DATE:	10/11/2

SHEET:
C10.12

V:\016.400 Gangle at the Sanctuary Phase 3\016-3\img\016-3\016-3A_EC_PHS.dwg, EC2, main.mxd
Printed: Thu 07-Nov-2013 - 03:39PM



- LEGEND**
- PROP. DENUDED LIMITS
 - PROP. BASIN DRAINAGE AREA
 - o-o- PROP. TREE PROTECTION FENCE
 - x-x-x- TEMP. SILT FENCE
 - >->->->- TEMP. DIVERSION DITCH
 - [X] TEMP. ROCK CHECK DAM
 - [] TEMP. INLET PROTECTION



ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
3415 Lakemont Blvd.
Fort Mill, SC 29505
803-502-9446 (SC)
WWW.ESPASSOCIATES.COM

ESP

NORTH CAROLINA
LICENSE NO.: C-0587
ESP ASSOCIATES, P.A.

NORTH CAROLINA
Professional Seal
C. S. SIMONS
025775
11/8/13

NO.	DATE	REVISION	BY	MUS
1	01/21/2013	REVISED PER AGENCY COMMENTS	MUS	
2	03/27/2013	REVISED PER CITY OF CHARLOTTE AND MCDOT COMMENTS	MUS	
3	11/02/2013	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST	MUS	

EROSION CONTROL PLAN - PHASE 2
(SHEET 2 OF 8)

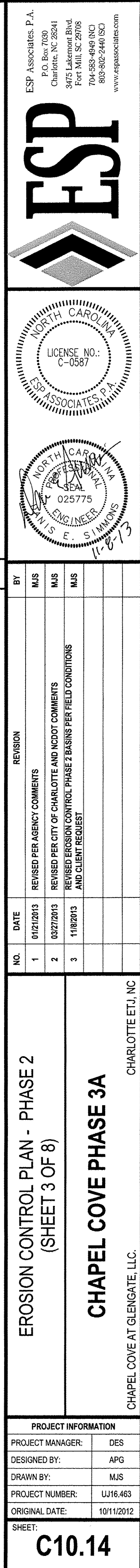
CHAPEL COVE PHASE 3A

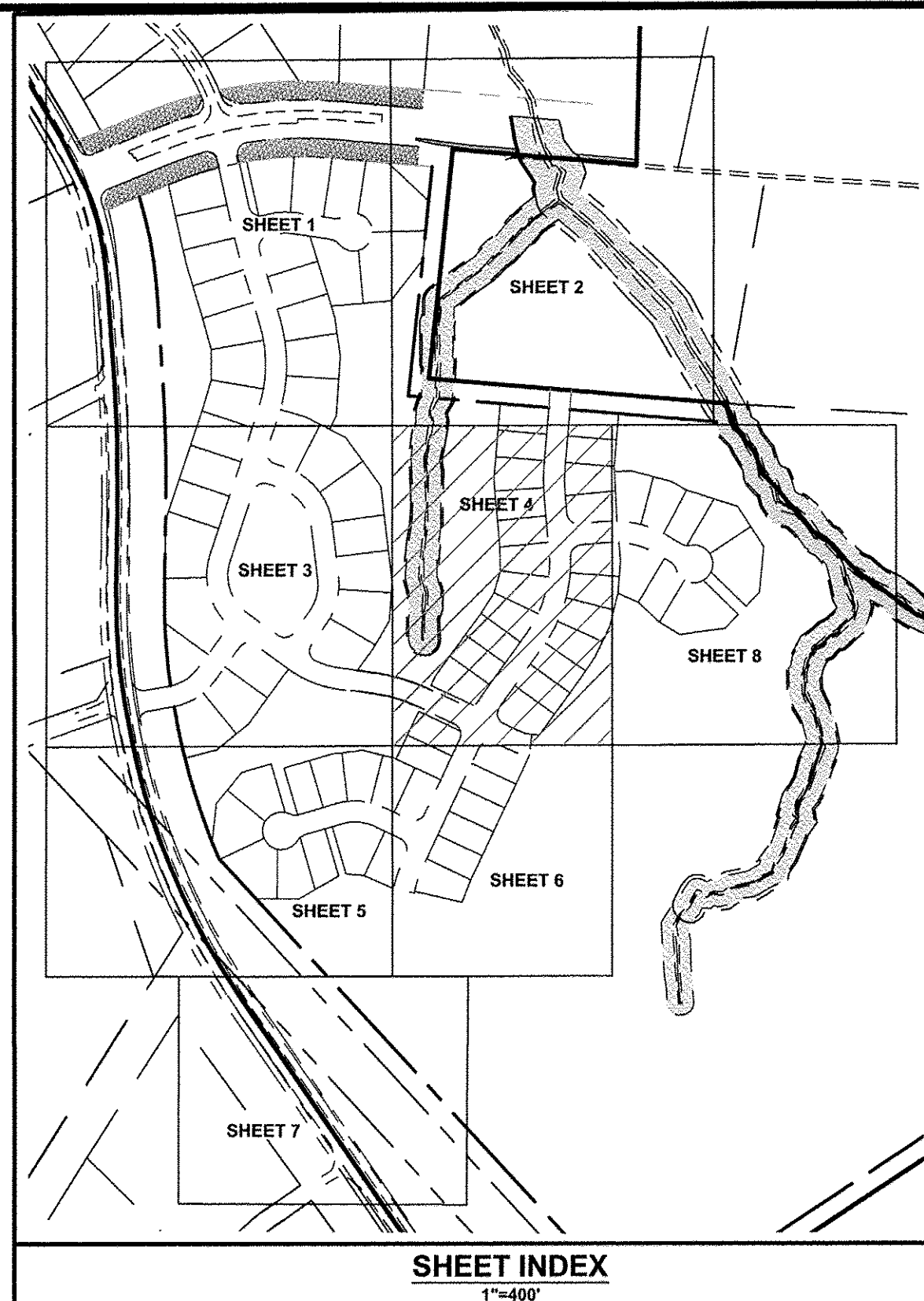
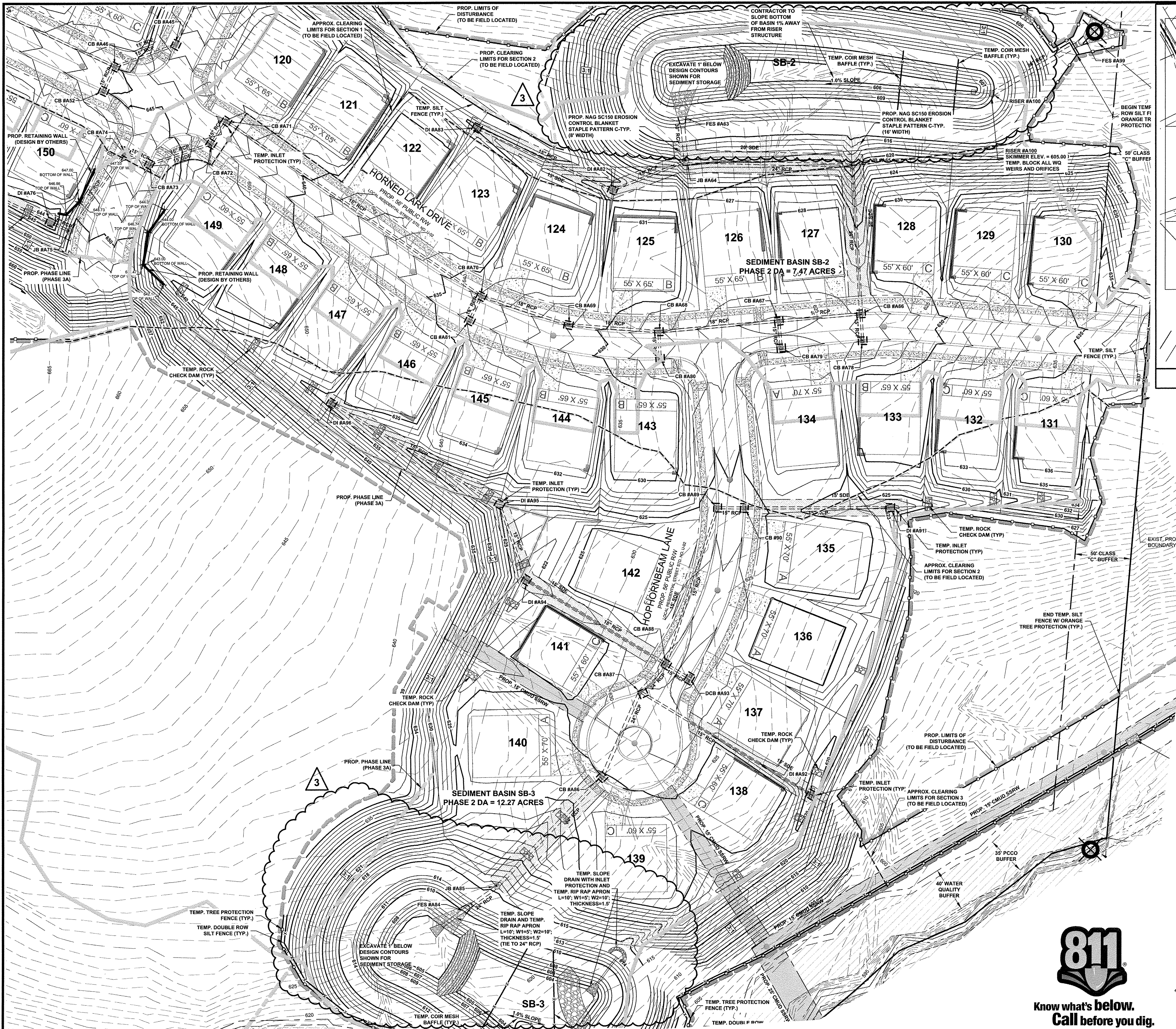
CHARLOTTE ETU, NC
CHAPEL COVE AT GLENGATE, LLC.

PROJECT INFORMATION	
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DESIGNED BY:	APG
DRAWN BY:	MJS
PROJECT NUMBER:	U016.463
ORIGINAL DATE:	10/11/2012
SHEET:	C10.13

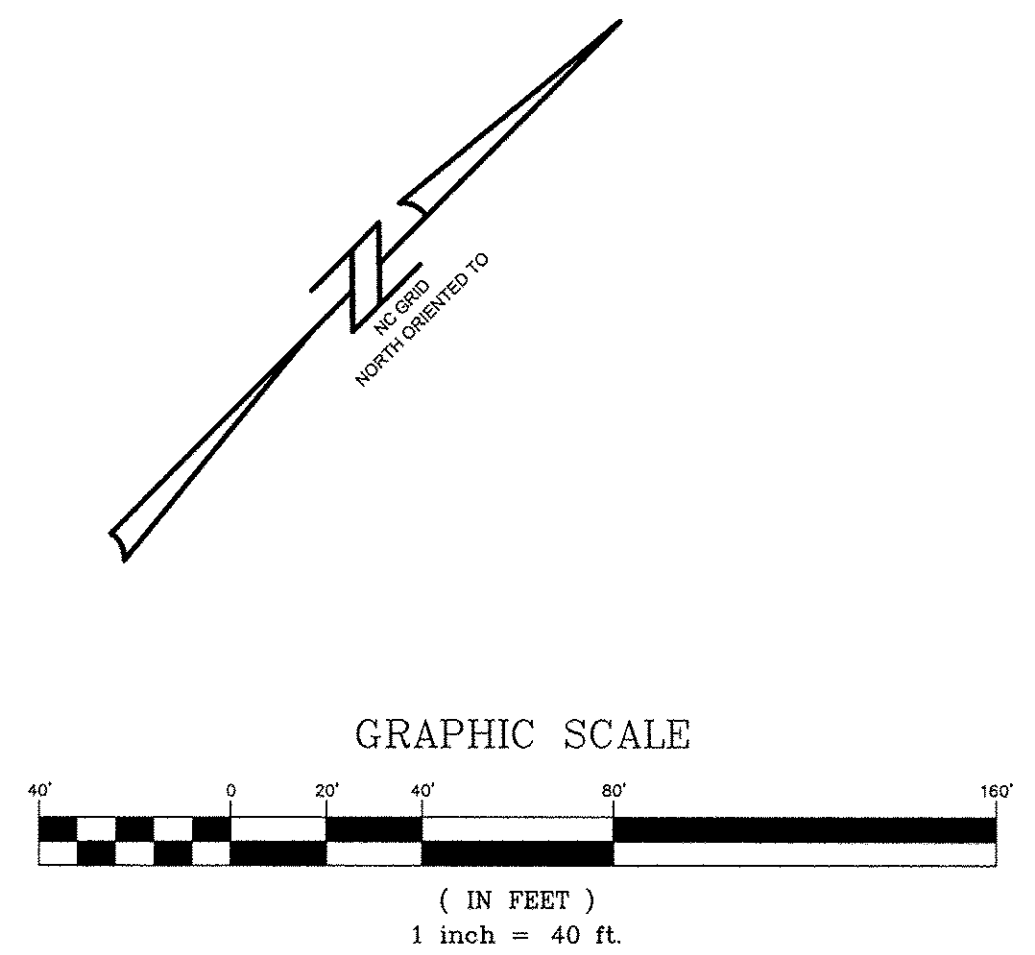
811

Know what's below.
Call before you dig.





- LEGEND**
- PROP. DENUDE LIMITS
 - PROP. BASIN DRAINAGE AREA
 - PROP. TREE PROTECTION FENCE
 - TEMP. SILT FENCE
 - TEMP. DIVERSION DITCH
 - TEMP. ROCK CHECK DAM
 - TEMP. INLET PROTECTION



ESP Associates, P.A.
P.O. Box 7030
Charlotte, NC 28241
5813 Lakemont Blvd.
Fort Mill, SC 29505
803-592-2446 (SC)
803-592-2446 (NC)
WWW.ESPASSOCIATES.COM

ESP

NORTH CAROLINA
LICENSE NO.:
C-0587
ESP ASSOCIATES, P.A.
REGISTERED PROFESSIONAL ENGINEER
025775
11-8-13

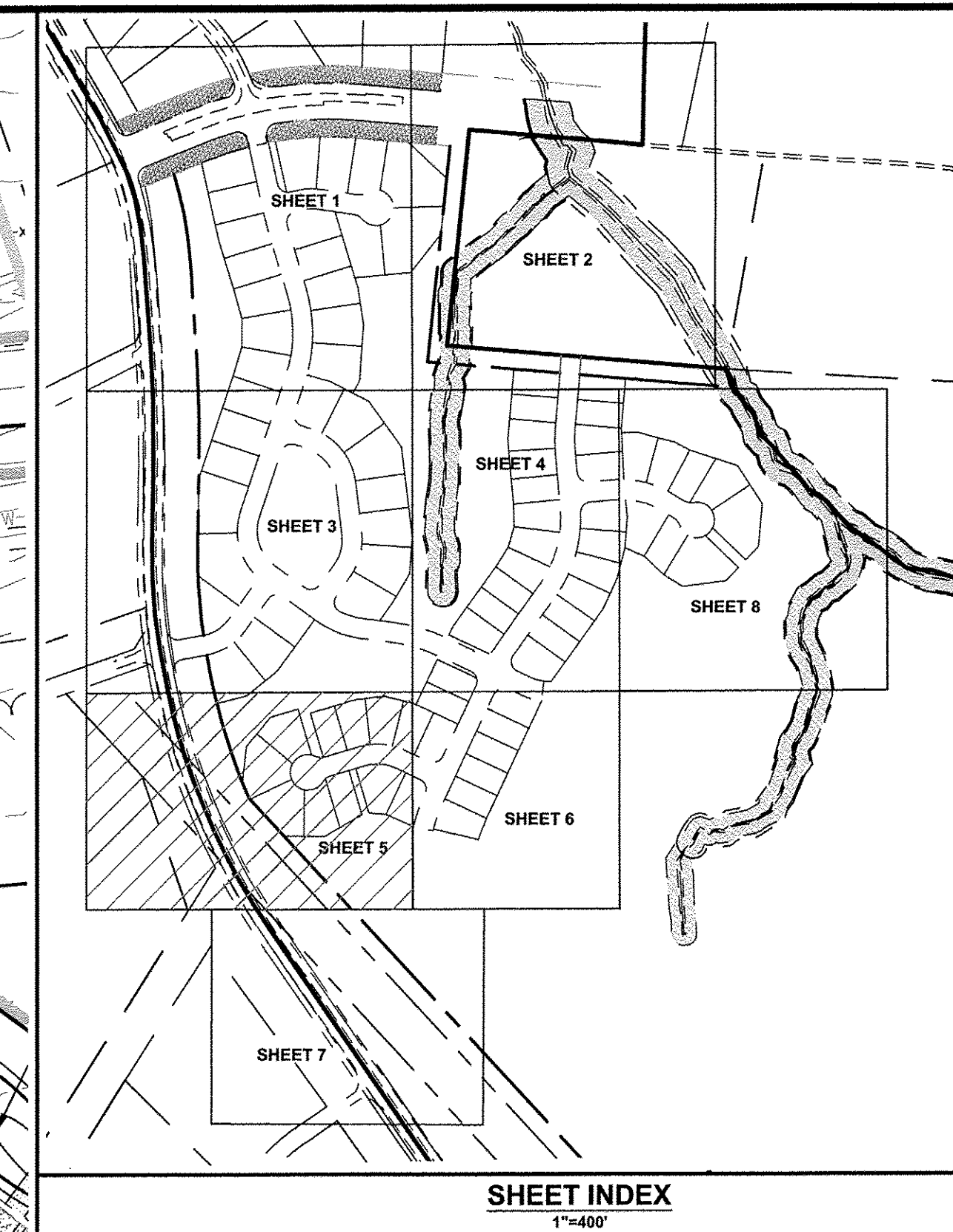
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1	01/12/2013		MJS	REVISED PER CITY OF CHARLOTTE AND MCDOT COMMENTS
2	03/27/2013		MJS	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST
3	11/08/2013		MJS	

EROSION CONTROL PLAN - PHASE 2
(SHEET 4 OF 8)

CHAPEL COVE PHASE 3A

CHARLOTTE ETI, INC.
CHAPEL COVE AT GLENGATE, LLC.

PROJECT INFORMATION	
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MJS
PROJECT NUMBER:	UJ16.463
ORIGINAL DATE:	10/11/2012
SHEET:	C10.15

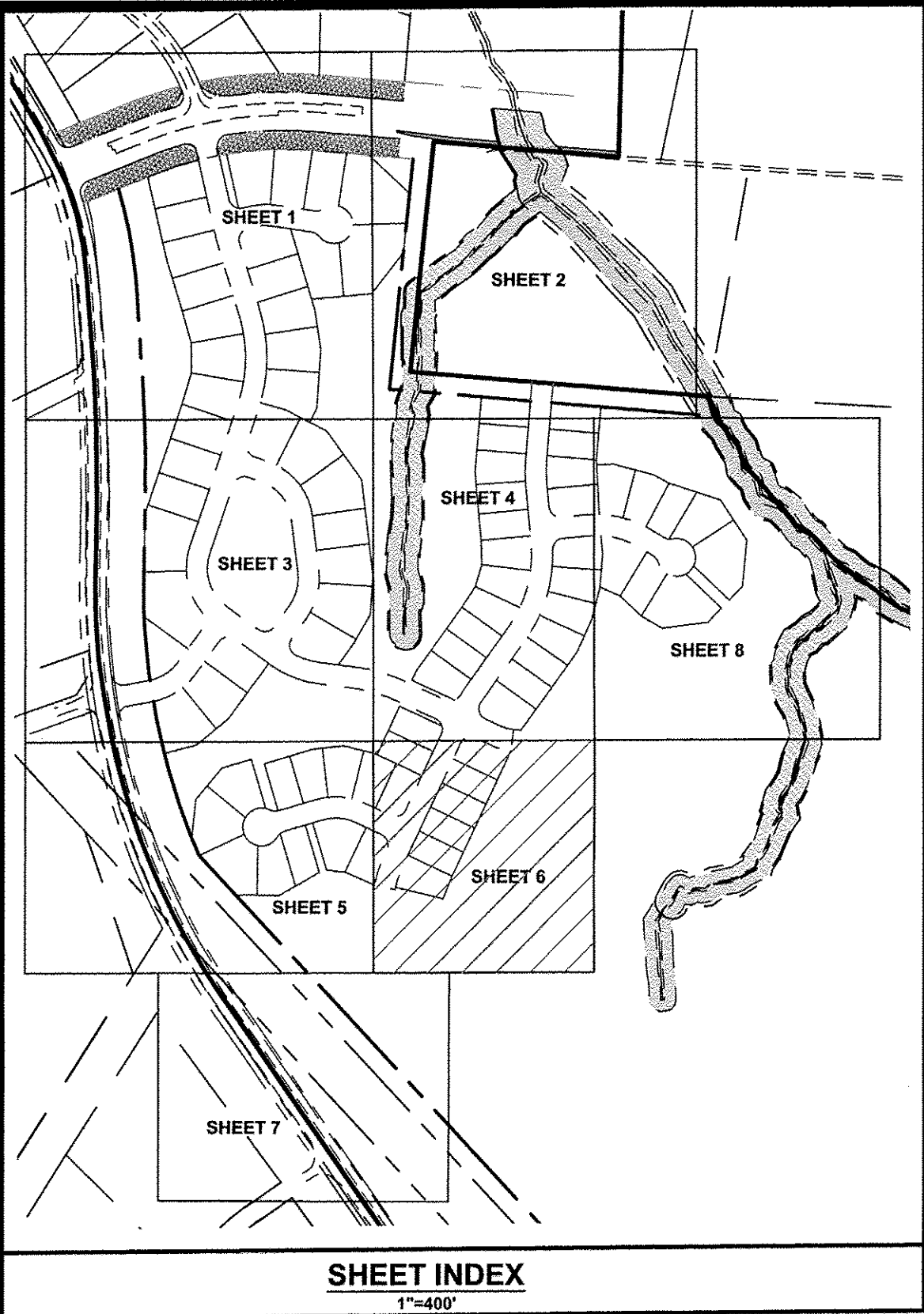


SHEET INDEX

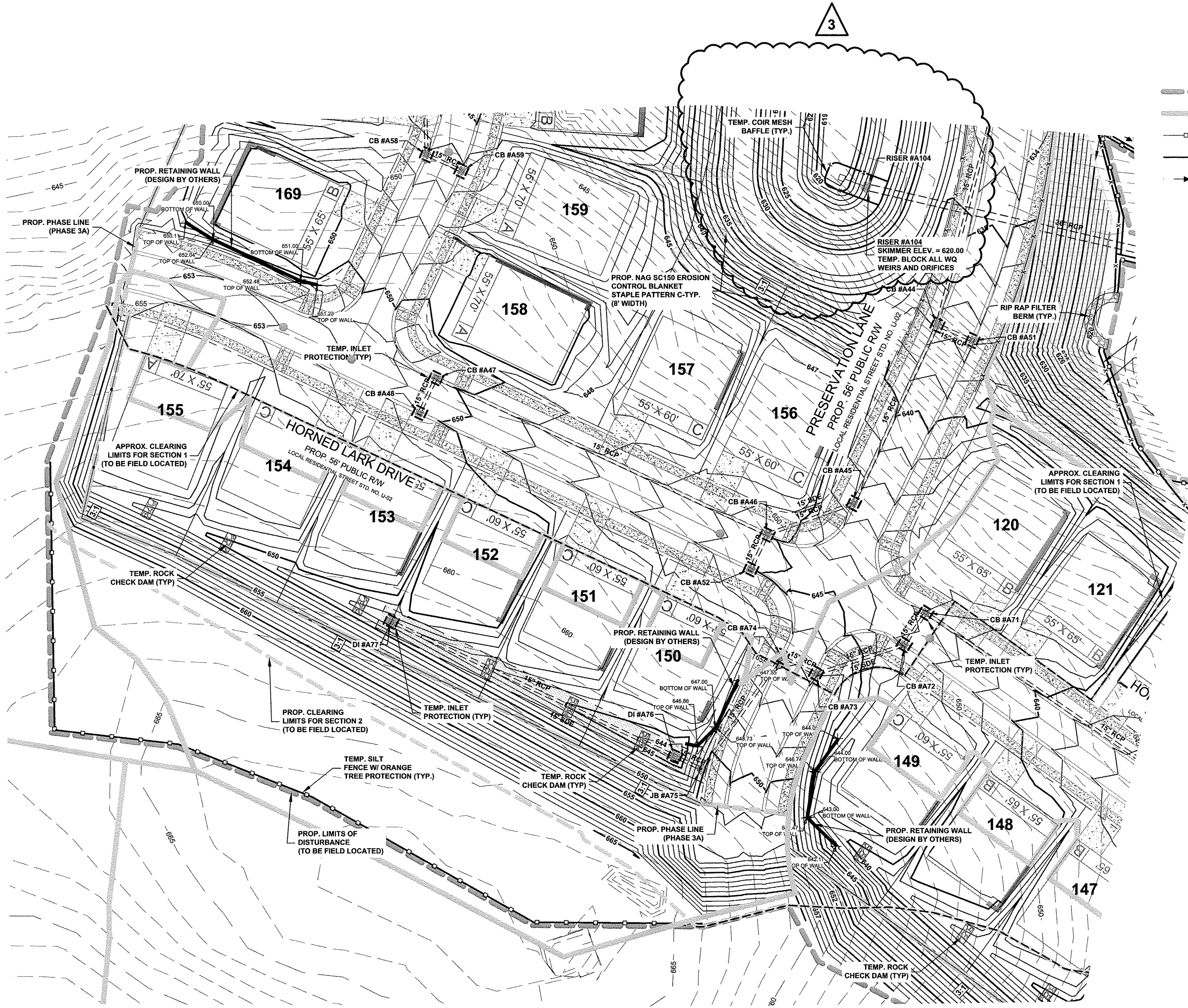
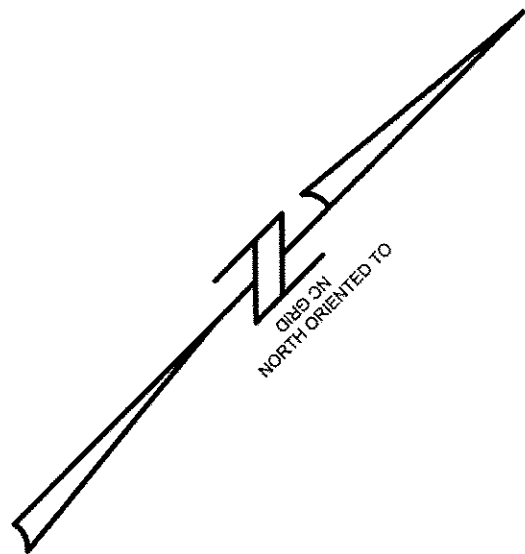
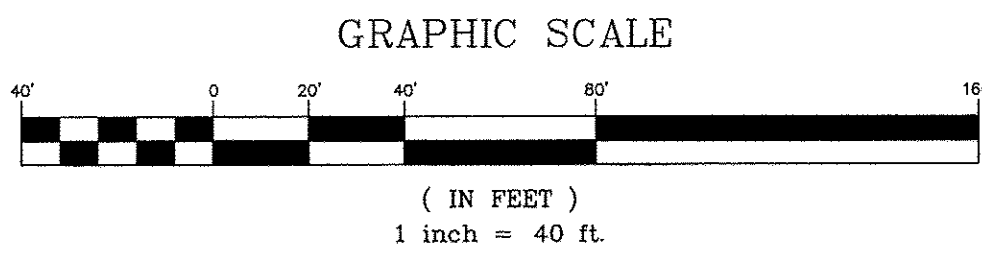
LEGEND

-
- PROPOSED DUNDEN LIMITS
- PROPOSED BASIN DRAINAGE AREA
- PROPOSED TREE PROTECTION FENCE
- TEMP. SILT FENCE
- TEMP. DIVERSION DAM
- TEMP. ROCK CHECK DAM
- TEMP. INLET PROTECTION

EROSION CONTROL PLAN - PHASE 2 (SHEET 5 OF 8)					
CHAPEL COVE PHASE 3A					
CHAPEL COVE AT GLENGATE, LLC.					
CHARLOTTE ETU, NC					
PROJECT INFORMATION					
PROJECT MANAGER:			DES		
DESIGNED BY:			APG		
DRAWN BY:			MJS		
PROJECT NUMBER:			UJ16.463		
ORIGINAL DATE:			10/11/2012		
SHEET:					
C10.16					



SHEET INDEX
1"=400'

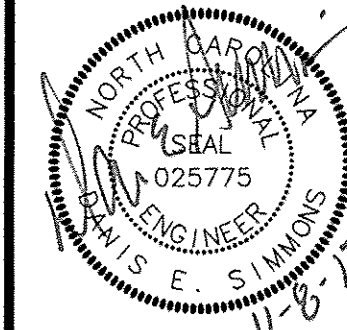
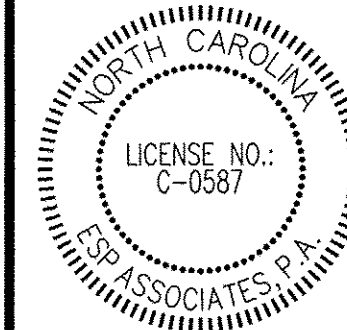


LEGEND

- PROP. DENUDED LIMITS
- PROP. BASIN DRAINAGE AREA
- PROP. TREE PROTECTION FENCE
- TEMP. SILT FENCE
- TEMP. DIVERSION DITCH
- TEMP. ROCK CHECK DAM
- TEMP. INLET PROTECTION



Know what's below.
Call before you dig.



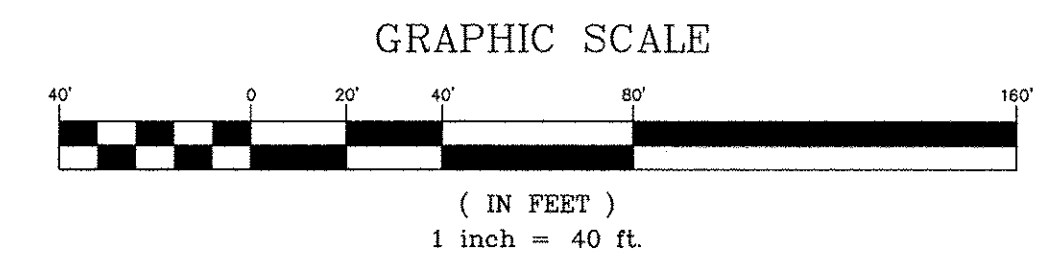
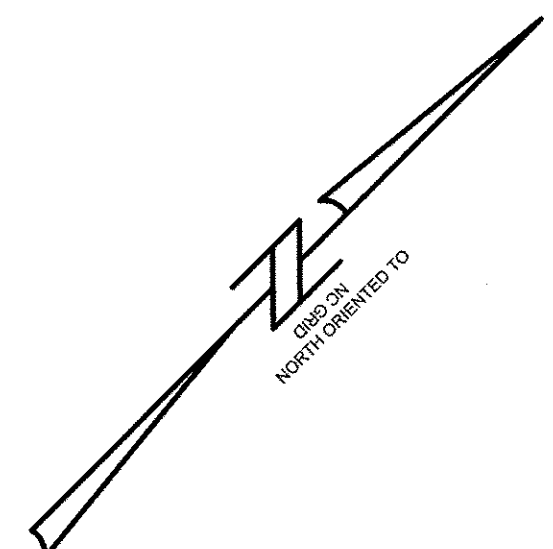
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1	8/12/2013	REVISED PER AGENCY COMMENTS	MUS	
2	8/27/2013	REVISED PER CITY OF CHARLOTTE AND NC DOT COMMENTS	MUS	
3	11/29/2013	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST	MUS	

EROSION CONTROL PLAN - PHASE 2
(SHEET 6 OF 8)

CHAPEL COVE PHASE 3A

CHAPEL COVE AT GLENGATE, LLC. CHARLOTTE ETU, NC

PROJECT INFORMATION	
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MJS
PROJECT NUMBER:	U116.463
ORIGINAL DATE:	10/11/2012
SHEET:	C10.17



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

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ESP Associates, P.A.
 P.O. Box 7030
 Charlotte, NC 28241
 3475 Lakewood Blvd.
 Suite 205
 704-552-4649 (NC)
 800-302-2440 (SC)
www.espassociates.com

PROJECT INFORMATION		REVISION	
PROJECT MANAGER:	DESIGNED BY:	NO.	DATE
EROSION CONTROL PLAN - PHASE 2 (SHEET 8 OF 8) CHAPEL COVE PHASE 3A	APG	1	01/21/2013
	APG	2	03/27/2013
	UJ16.463	3	11/29/2013
	UJ16.463		
ORIGINAL DATE:	10/11/2012		
SHEET:			
C10.19			

REVISED PER AGENCY COMMENTS

REVISED PER CITY OF CHARLOTTE AND NC DOT COMMENTS

REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST

MUS

MUS

MUS

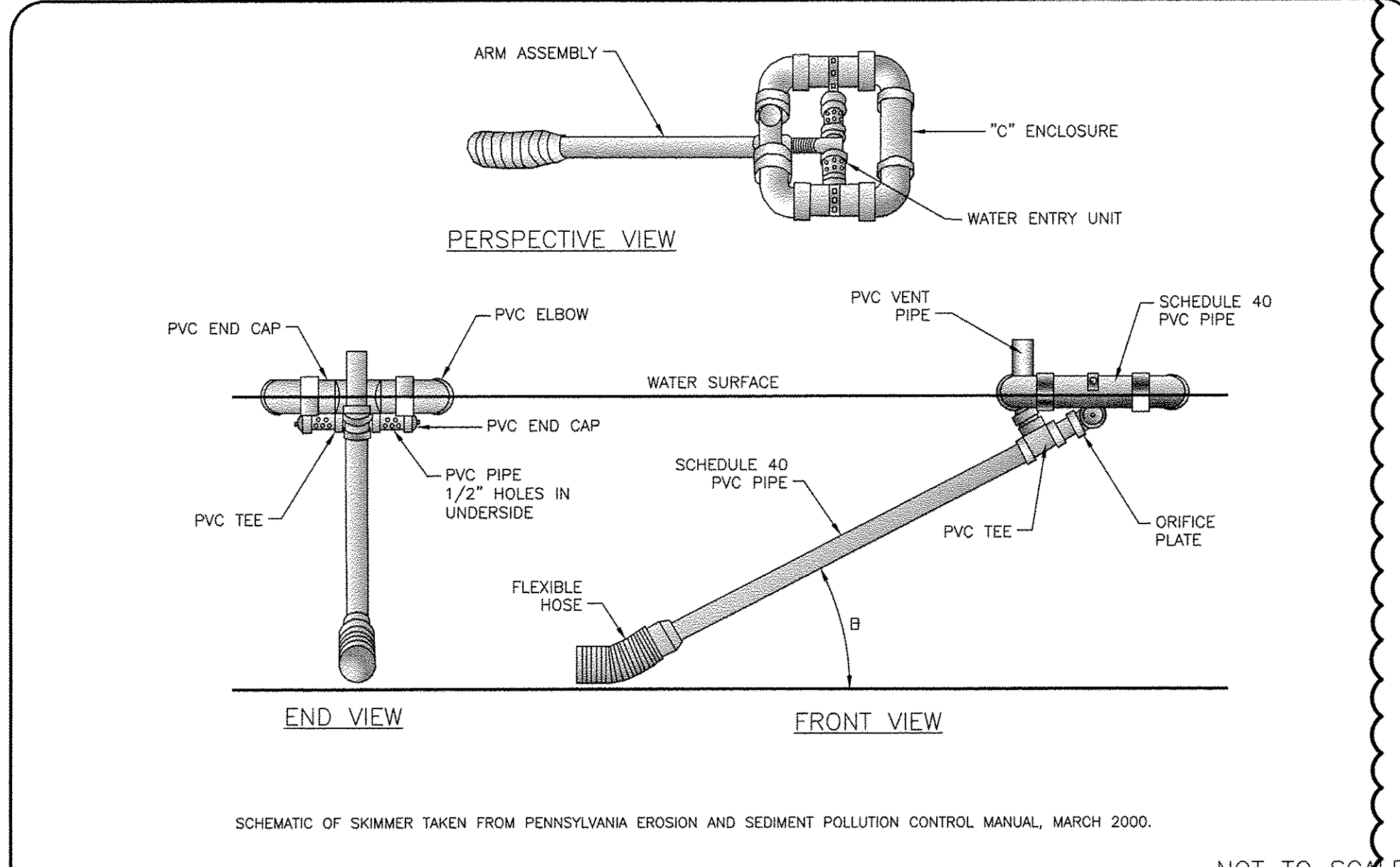
CHAPEL COVE AT CH FINGATE I.I.C.

CHAPEL COVE AT CH FINGATE I.I.C.

CHAPEL COVE AT CH FINGATE I.I.C.

CHAPEL COVE AT CH FINGATE I.I.C.

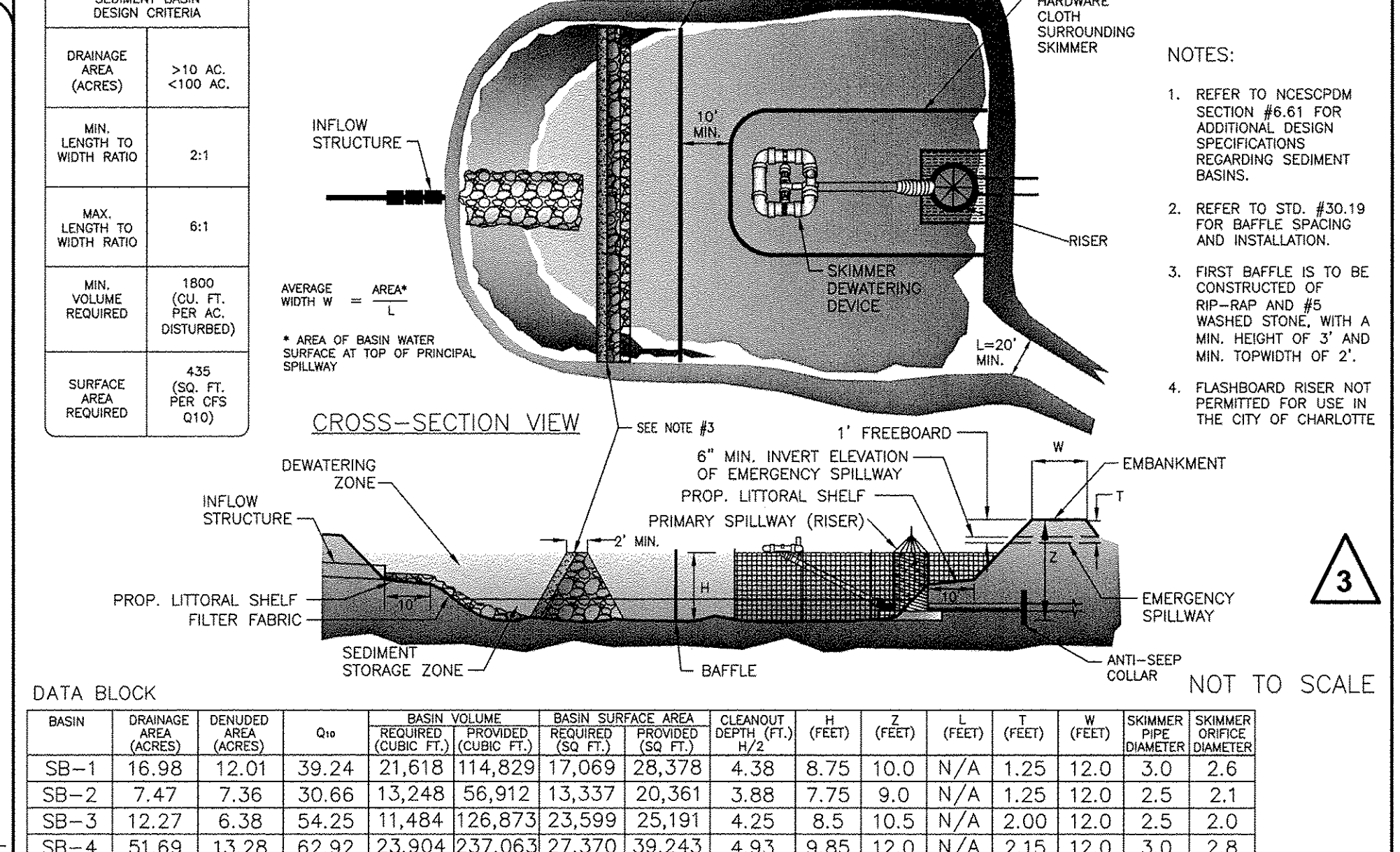
V:\016.400 Gilegate at the Sanctuary Phase 3\016-3\dwg\SHEETS\016-3A_EC_DET.dwg, EC-DT1, mskkowitz



CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

SKIMMER

STD. NO. REV.
30.02B 1



CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

SEDIMENT BASIN

STD. NO. REV.
30.03 1

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

GENERAL NOTES-SEDIMENT BASINS

STD. NO. REV.
30.03B 3

GENERAL NOTES:

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MATERIAL. THE BASIN AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVERSIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE BEING CONSTRUCTED. SPILLWAYS SHOULD NOT BE CONSTRUCTED THROUGH FILL SECTIONS. ALL SPILLWAYS SHOULD BE LINED AND/OR RIPRAPPED.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO DEPTH SHOWN ON STANDARD. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE TRAP SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NECESSARY.
- CONSTRUCTION OPERATION SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER, UNLESS CERTIFIED BY REGISTERED GEOTECHNICAL ENGINEER.
- SEDIMENT BASIN EMBANKMENTS SHOULD BE PROVIDED WITH EROSION CONTROL AND STABILIZATION.
- STORAGE AREA MAY BE CONSTRUCTED IN ANY SHAPE PROVIDED THE MINIMUM STORAGE VOLUME REQUIREMENT IS MET. THE BASIN SHOULD ALSO BE ORIENTED SUCH THAT THE FILTER AND THE MAIN FLOW OF WATER AND SEDIMENT ARE ON OPPOSITE ENDS ON THE LONGER BASIN DIMENSIONS.
- THE LENGTH OF THE STONE OUTLET (SPILLWAY) IS TO BE BASED ON A 10 YEAR STORM.
- WHENEVER TOPOGRAPHY ALLOWS, THE BASIN LENGTH SHOULD BE TWICE (2X) THE BASIN WIDTH, TO ALLOW FOR SETTLING.
- BAFFLES SHALL BE INSTALLED IN ALL BASINS.
- CLEANOUT STAKES SHALL BE PLACED IN ALL SEDIMENT BASINS AT THE LOW POINT IN THE BASIN. THE STAKES SHALL BE MARKED SHOWING THE HALF FULL, CLEANOUT POINT, OF THE BASIN.
- SAFETY FENCING 3' HIGH SHOULD BE PLACED AROUND ALL SEDIMENT BASINS.
- FOR DESIGN OF SEDIMENT BASINS, REFER TO THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES, EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
- FOR SLOPES GREATER THAN 10' IN LENGTH AND PROTECTED BY SILT FENCE AT THE TOE OF THE SLOPE, SLOPE TERRACING WILL BE REQUIRED.
- THE BERM ON SEDIMENT BASINS SHALL BE SEEDED ONCE FINAL GRADE HAS BEEN REACHED. THE SILT FENCE MAY BE REMOVED IF PERMISSON HAS BEEN GRANTED BY THE CITY LAND DEVELOPMENT INSPECTOR AFTER THE GRASS HAS GERMINATED AND STABLE GROUNDING HAS BEEN ESTABLISHED.
- WASHED STONE AND WIRE BACKING SHALL BE USED WITH SILT FENCE WHENEVER SILT FENCE IS PLACED AT THE TOE OF A SLOPE >10' VERTICAL OR ALONG ANY CHANNEL OR WATER COURSE WHERE 50' OF BUFFER IS NOT PROVIDED.

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

FLEXIBLE PIPE SLOPE DRAIN

STD. NO. REV.
30.04

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

EROSION CONTROL NOTES

STD. NO. REV.
30.03 1

EROSION CONTROL NOTES

- ALL "STD." NUMBERS REFER TO THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL (CLDSM).
- ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
- ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
- ALL PERIMETER DIKES, 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 5 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 [CLDSM #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.
- TEMPORARY ROCK CHECK DAMS SHALL BE PLACED AT 100' ON CENTER MAXIMUM.

CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE CURRENT VERSION OF THESE SPECIFICATIONS AND CONSTRUCTING ALL SITE IMPROVEMENTS IN ACCORDANCE WITH THE CURRENT SPECIFICATIONS.

SOIL TYPES: DAB, IRB, MeB, MeD, MO, WKE, WKD

TOTAL PROJECT AREA: 59.89 AC
TOTAL DENUDED AREA: 47.2 AC (PHASE 2 EC)

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

TEMPORARY SILT DITCH

STD. NO. REV.
30.05

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

TEMPORARY SILT FENCE

STD. NO. REV.
30.06A 4

CITY OF CHARLOTTE
LAND DEVELOPMENT STANDARDS
INCLUDES CHARLOTTE ETJ

HIGH HAZARD TEMPORARY SILT FENCE

STD. NO. REV.
30.06B 4

ESP ASSOCIATES, P.A.
P.O. Box 7030
Charlotte, NC 28241
3475 Lakemont Blvd.
Fort Mill, SC 29506
704-588-4449 (NC)
803-582-4449 (SC)
www.espassoc.com

NORTH CAROLINA
LICENSE NO.: C-0587
ESP ASSOCIATES, P.A.

E. SIMMONS
025775
11-8-15

BY	REVISION	DATE	NO.	REVISION	DATE	NO.
MUS	1	01/21/2013	1	REVISED PER AGENCY COMMENTS		
MUS	2	03/27/2013	2	REVISED PER CITY OF CHARLOTTE AND NCDOT COMMENTS		
MUS	3	11/02/2013	3	REVISED EROSION CONTROL PHASE 2 BASINS PER FIELD CONDITIONS AND CLIENT REQUEST		

EROSION CONTROL DETAILS
(SHEET 1 OF 2)

CHAPEL COVE PHASE 3A

CHAPEL COVE AT GLENGATE, LLC.

CHAPEL COVE AT GLENGATE, LLC.

PROJECT INFORMATION	
PROJECT MANAGER:	DES
DESIGNED BY:	APG
DRAWN BY:	MUS
PROJECT NUMBER:	UJ16.463
ORIGINAL DATE:	10/11/2012

C10.20