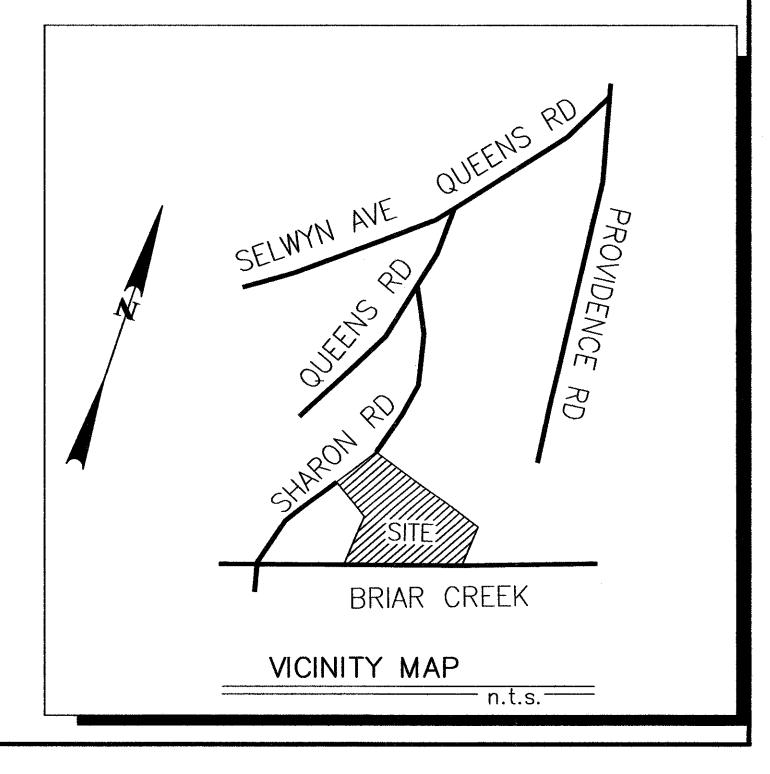


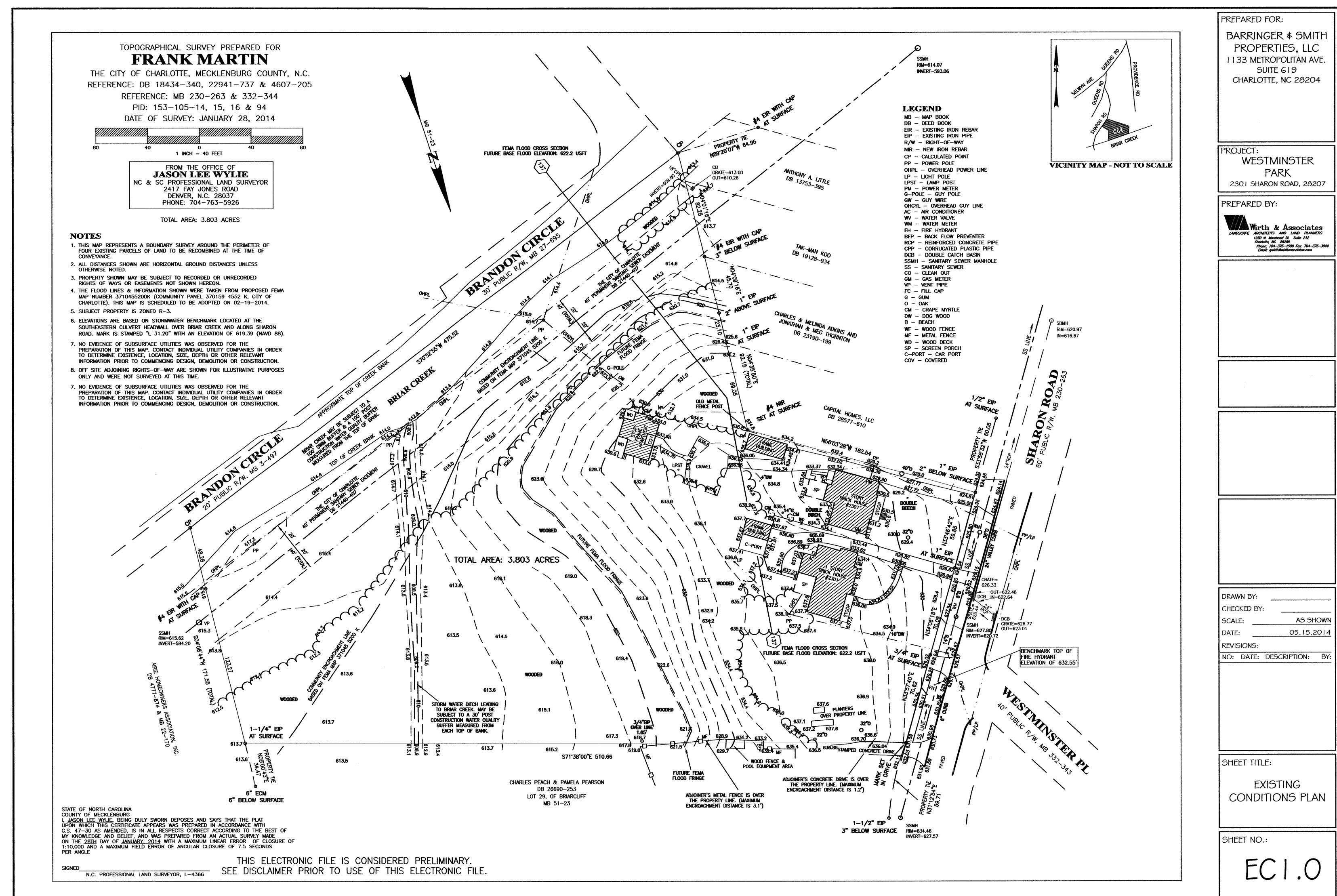
SHEET TITLE

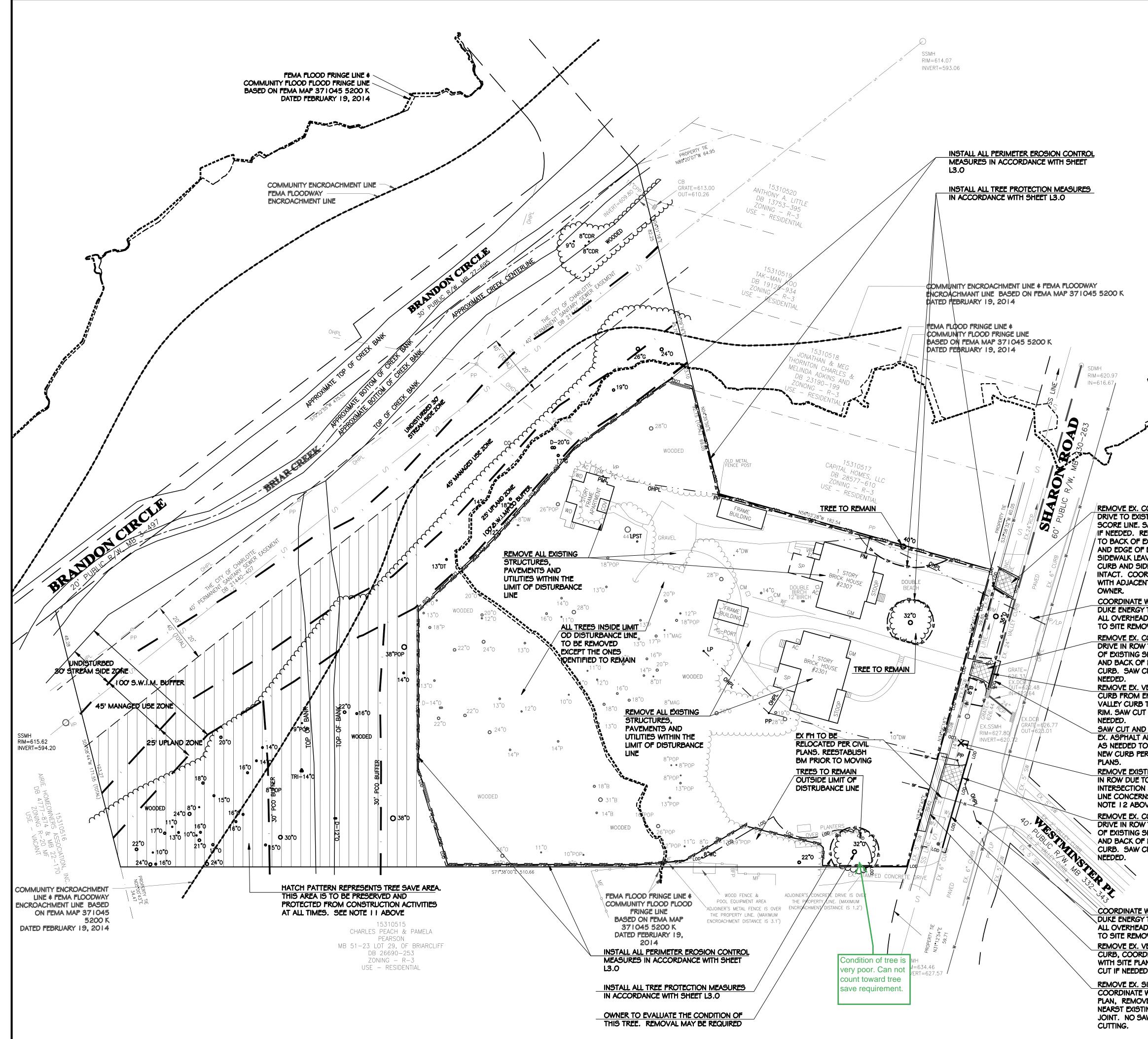
EXISTING CONDITIONS PLAN DEMOLITION PLAN - 30 SCALE SITE PLAN - 30 SCALE PUBLIC STREET PLAN AND PROFILE SIGHT DISTANCE PLAN & PROFILE TRAFFIC CONTROL PLAN - 30 SCALE INITIAL EROSION CONTROL PLAN - 30 SCALE FINAL EROSION CONTROL PLAN - 30 SCALE GRADING PLAN - 30 SCALE PLANTING PLAN - 30 SCALE TREE SAVE PLAN - SO SCALE PCO/NATURAL AREA PLAN SITE DETAILS SITE DETAILS SITE DETAILS SITE DETAILS

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ARLOTTE. http://development.charmeck.org	
O / DETENTION / DRAINAGE PLAN	APPROVED By Emily Chien at 12:50 pm, Jul 31, 2014
ROSION CONTROL TE: SCHEDULE PRE-CONSTRUCTION MEETING LEAST 48 HRS. PRIOR TO ANY LAND STURBING ACTIVITY USING THE ONLINE RM AT http://development.charmeck.org	APPROVED
RBAN FORESTRY	APPROVED Tim Porter
DOT	APPROVED Candice Leonard
OTE: THIS PLAN APPROVAL DOES NOT CLUDE COMMERCIAL ZONING. ALL BUILDING RMITS AND ZONING APPROVALS CAN BE BTAINED AT MECKLENBURG COUNTY CODE IFORCEMENT. PLEASE CALL CTAC AT 04-336-3829 FOR MORE INFORMATION.	

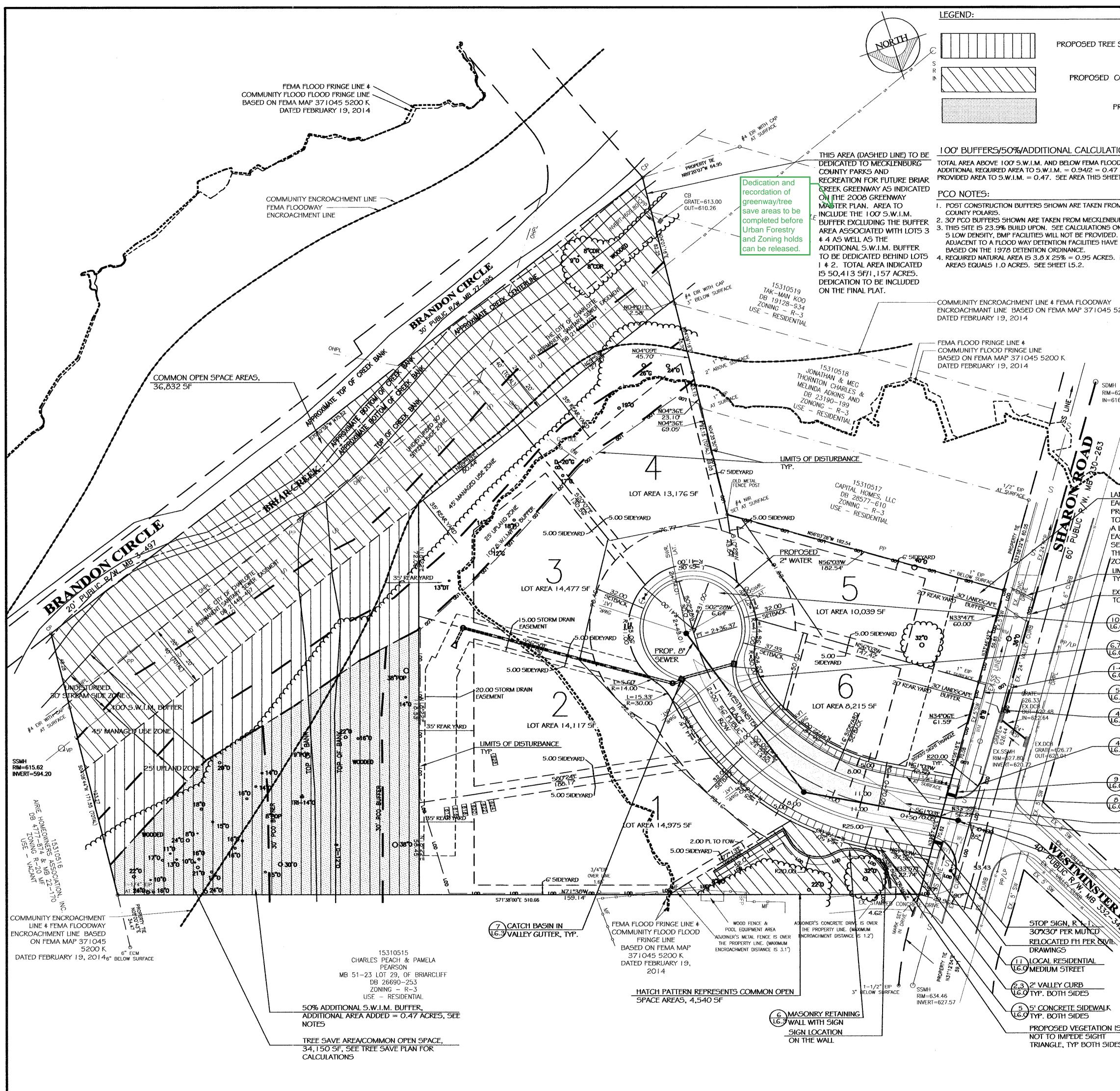








	CLEARING/ DEMOLITION NOTES:	PREPARED FOR:
	 CLLARING/ DLIVIOLITION NOTLS: I. THE CONTRACTOR SHALL OBTAIN THE DEMOLITION PERMIT FRO MECKLENBURG COUNTY PRIOR TO ANY WORK. 2. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL PROPERTY/ROW LINES 	BARRINGER & SMITH
	2. THE CONTRACTOR SHALL HELD VERIFY AND LOCATE ALL PROPERTY ROW LINES AND PHYSICAL ELEMENTS PRIOR TO CONSTRUCTION TO ASSURE THAT ALL WORK IS CONDUCTED ON THE OWNER'S PROPERTY AND IN ACCORDANCE WITH	PROPERTIES, LLC
	THESE CONSTRUCTION DOCUMENTS. 3. CONTRACTOR TO MARK/FLAG TREE SAVE LIMITS AND SILT FENCING LIMITS PER	I I 33 METROPOLITAN AVE.
	EROSION CONTROL PLANS FOR APPROVAL BY CITY INSPECTOR AND THE OWNER PRIOR TO BEGINNING WORK. AFTER APPROVAL THE CONTRACTOR SHALL INSTALL SILT AND TREE FENCING MEASURES IN ACCORDANCE WITH EROSION CONTROL	SUITE 619 CHARLOTTE, NC 28204
	SILI AND TREE FENCING MEASURES IN ACCORDANCE WITH EROSION CONTROL PLANS AND AS SHOWN ON THIS PLAN. REMOVE ONLY THE EXISTING VEGETATION NEEDED TO INSTALL MEASURES. MODIFY AND MAINTAIN EROSION CONTROL MEASURES THROUGHOUT ENTIRE CLEARING/ DEMOLITION WORK.	
	4. THE LIMIT OF DISTURBANCE LINE (LOD) SHALL BE THE LIMIT OF CLEARING FOR ALL WORK. CONTRACTOR SHALL FIELD STAKE LIMITS FOR APPROVAL PRIOR TO	
	THE BEGINNING OF ANY WORK. 5. CONTRACTOR SHALL CLEAR ONLY THE STRUCTURES, PAVEMENTS AND UTILITIES FIRST.	
	6. CONTRACTOR SHALL INSTALL ALL THE REMAINING EROSION CONTROL MEASURES AS SHOWN ON THE INITIAL EROSION CONTROL PLAN PRIOR TO CLEARING AND GRUBBING THE EXISTING VEGETATION. CLEAR ONLY WHAT IS NEEDED TO INSTALL	PROJECT:
	THE MEASURES. CALL FOR AN INSPECTION BY THE CITY. AFTER APPROVAL, BEGIN REMOVING THE VEGETATION.	WESTMINSTER
	7. ALL CLEARED MATERIALS REMOVED SHALL BE DISPOSED OF LEGALLY, OFF SITE, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE COLLECTION, REMOVAL AND LEGAL DISPOSAL OF ALL	PARK
	CONSTRUCTION WASTE AND DEBRIS. 8. THE CONTRACTOR SHALL KEEP THE SITE, THE WORK AND ALL PLACES OCCUPIED BY HIM CLEAR OF ALL REFUSE AND RUBBISH THAT MAY ACCUMULATE FROM HIS	
	OPERATIONS, AND SHALL MAINTAIN SUCH PLACES IN A NEAT CONDITION. 9. CONTRACTOR TO USE APPROPRIATE MAINTENANCE OF TRAFFIC MEASURES IN ACCORDANCE WITH CDOT WATCH' MANUAL WHEN DOING WORK WITHIN THE ROW.	PREPARED BY:
	I O. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES BOTH ABOVE AND BELOW GROUND PRIOR TO ANY EARTH MOVING ACTIVITIES.	Wirth & Associates
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND/OR REMOVAL OF ANY EXISTING UTILITY THAT IS IN THE WAY OF NEW CONSTRUCTION. THIS WORK SHALL INCLUDE THE COORDINATION WITH ALL EFFECTED UTILITY	LANDSCAPE ARCHITECTS AND LAND PLANNERS 1230 W. Morehead St. Suite 212 Charlotte, NC 28208 Phone: 704–375–1588 Fax: 704–375–3844
	COMPANIES. UTILITIES AS SHOWN ON THESE PLANS MAY OR MAY NOT BE CORRECTLY LOCATED. II. REMOVE ALL BAMBOO WITHIN DESIGNATED TREE SAVE AREAS. USE EXTREME	Email: gwirth@wirthassociates.com
	CAUTION WHEN WORKING WITHIN THE DRIP LINE OF EXISTING TREES. ALL MEASURES SHALL BE TAKEN TO MINIMIZE ROOT ZONE DAMAGE.	OUTENS RD
	I 2. A TREE REMOVAL PERMIT IS REQUIRED BY CITY ARBORIST TO REMOVE A TREE WITHIN THE PUBLIC ROW.	SELWAN AVE QUE
		SELWIN AVE PROVIDENCE RD
م او موجوعیت ر		
		BRIAR CREEK VICINITY MAP n.t.s.
A ROAD		
		I INCH = 30ft.
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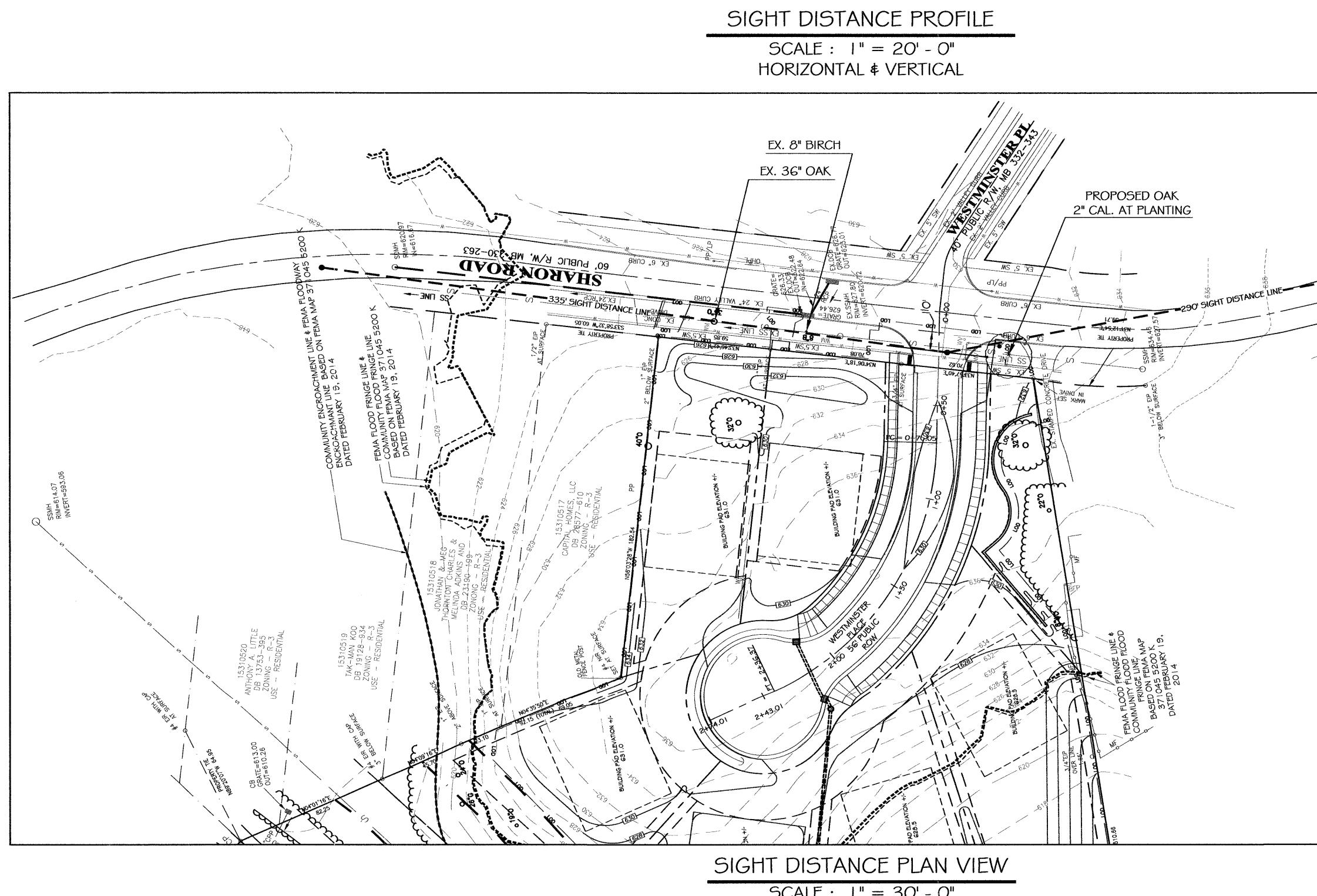
	ZONING CODE SUMMARY:	
	PROJECT NAME: WESTMINISTER PARK	PREPARED FOR:
SAVE /COMMON OPEN	DEVELOPER: BARRINGER & SMITH PROPERTIES, LLC ADDRESS: 133 METROPOLITAN AVE., SUITE 610, CHARLOTTE NC 28204	BARRINGER & SMITH
SPACE	PLANS PREPARED BY: WIRTH & ASSOCIATES PHONE: 704-375-1588	PROPERTIES, LLC
	ZONING: R -3 (DEVELOPER WILL REQUEST A LOT SIZE REDUCTION INCENTIVE TO R-4 CLUSTER AS STATED IN THE TREE ORDINANCE, MIN 25% TREE SAVE PROVIDED	I I 33 METROPOLITAN AVE.
COMMON OPEN SPACE	TAX PARCEL NUMBERS: 15310514, 15310415, 15310516, 15310594 JURISDICATION: CITY OF CHARLOTTE	SUITE 619
ROPOSED ADDITIONAL	PROPOSED USE: SINGLE FAMILY RESIDENTIAL	CHARLOTTE, NC 28204
S.W.I.M. BUFFER	RIVER BASIN: CATAWBA RIVER watershed district: BRIAR CREEK	
	TOTAL LOT SIZE: 3.80 ACRES	
ION	TOTAL IMPERVIOUS AREA: 39,070 SF/0.90 ACRES (10,270 SF NEW ROAR AND SIDEWALK, 28,800 SF TOTAL ON LOTS (4900 SF MAX FOR LOTS I - 4 AND	
D FRINGE = 0.94 AC ACRES. ADDITIONAL		
T.	COMMON OPEN SPACE: 1.74 ACRES (46% OF SITE), SEE AREAS THIS SHEET	PROJECT:
	REQUIRED TREE SAVE: 3.8-(0.44 SEWER EASEMENT, 0.096 BRIAR CREEK) X .25=0.82 AC (TOTAL SITE MINUS BRIAR CREEK AND SEWER EASEMENT X .25)	WESTMINSTER
M MECKLENBURG	PROVIDED TREE SAVE: 0.89 AC, SEE SHEET L5.1 FOR TREE SAVE PLAN YARD REQUIREMENTS: (BASED ON R-5) SETBACK: 32 FT, FROM BOC, SIDEYARD SETBACK 1.GFT, FROM BOC	PARK
JRG COUNTY POLARIS. IN SHEET L5.2. THIS SITE I	SIDE YARD: 5 FT. INTERIOR, 6' AGAINST EXISTING R-3 ZONING	
SINCE THIS PROPERTY IS NOT BEEN PROVIDED	REAR YARD: 35 FT 20' AT 30' LANDSCAPE BUFFER MIN. LOT AREA: 6,000 SF	PREPARED BY:
PROVIDED NATURAL	MIN LOT WIDTH: 50 FT. GENERAL NOTES:	
	I. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL PROPERTY/ROW LINES	Wirth & Associates
	AND PHYSICAL ELEMENTS PRIOR TO CONSTRUCTION TO ASSURE THAT ALL WORK IS CONDUCTED ON THE WESTMINSTER PARK PROPERTY AND IN	1230 W. Morehead St. Suite 212 Choriotte, NC 28208 Phone: 704-375-1588 Fax: 704-375-3844
5200 K	ACCORDANCE WITH THESE CONSTRUCTION DOCUMENTS. 2. THE OWNER SHALL BE GIVEN A MINIMUM 24 HOUR NOTICE PRIOR TO BEGINNING CONSTRUCTION. ALL WORK WITHIN STREET RIGHTS-OF-WAY SHALL BE	Email: gwirth@wirthassociates.com
	COORDINATED WITH CDOT. 3. ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF	THE RD
	CHARLOTTE LAND DEVELOPMENT STANDARDS, SPECIFICATIONS AND SPECIAL PROVISIONS AND CDOT REQUIREMENTS WHEN WORKING IN THE ROW.	SELWAN AVE OUTENS PO
	 ALL DIMENSIONS ARE TO THE BACK OF CURB AND EDGE OF PAVEMENT UNLESS OTHERWISE NOTED. 	SELMIT RAN IN
<i>}</i> -	5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH OVERHEAD, AND UNDERGROUND PRIOR TO ANY DEMOLITION	SELWAN ANE PROVIDENCE RD
1	OR EARTH MOVING ACTIVITIES. UTILITIES SHOWN ON THESE PLANS MAY OR MAY NOT BE CORRECTLY LOCATED.	
520.97 6.67	6. BEFORE YOU DIG STOP. CALL THE NC ONE-CALL CENTER AT 1-800-632-4949.	
	 COORDINATE ALL CURB AND STREET GRADES IN INTERSECTION WITH INSPECTOR. ALL ROAD IMPROVEMENTS AT SHARON ROAD ARE TO BE COORDINATED WITH THE CITY OF CHARLOTTE ENCINEERING DEPARTMENT PRIOR TO CONSTRUCTION 	BRIAR CREEK
-M	THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION. 9. SIGHT TRIANGLES SHOWN ARE THE MINIMUM REQUIRED.	VICINITY MAP n.t.s.
- And and a set	 CURB AND GUTTER SHOWN ON PLANS ALONG WEST MINSTER PLACE MAY BE ADJUSTED BASED UPON FIELD STAKING BY CITY ENGINEERING. NON-STANDARD ITEMS (I.E.: PAVERS, IRRIGATION SYSTEM, ETC) IN THE 	
Server and the second	RIGHT-OF-WAY REQUIRE A RIGHT-OF-WAY ENCROACHMENT AGREEMENT WITH THE (CHARLOTTE DEPARTMENT OF TRANSPORTATION/NORTH CAROLINA	
<u>プ</u>	DEPARTMENT OF TRANSPORTATION) BEFORE INSTALLATION. 12. DEVELOPER WILL INSTALL STREET SIGNS PER (CLDSM #50.07, 50.08).	1 INCH = 30 ft.
NDSCAPE BUFFER	13. DEVELOPER WILL INSTALL STOP SIGN (30" X 30") PER MUTCD STANDARDS. 14. SUBSURFACE DRAINAGE FACILITIES MAY BE REQUIRED THE STREET RIGHT-OF	
ach lot shall. Rovide a 30' area	WAY IF DEEMED NECESSARY BY THE INSPECTOR. 15. PE SEALED SHOP DRAWINGS FOR RETAINING WALLS MUST BE SUBMITTED TO	With CARO
) be recorded as Landscspe	CITY ENGINEERING PRIOR TO CONSTRUCTION. I.G. AS-BUILT DRAWINGS AND PLANS FOR STORM DRAINAGE SYSTEM, INCLUDING	
SEMENT. PER ECTION 12.308 OF	DESIGNED DITCHES, MUST BE SUBMITTED PRIOR TO SUBDIVISION FINAL INSPECTION TO THE CITY/COUNTY ENGINEERING DEPARTMENT IN ACCORDANCE	No 17 B
HE CHARLOTTE	WITH THE CITY/COUNTY SUBDIVISION ORDINANCE. 17. PER SECTION 18-175(e) OF THE CITY CODE AND SECTION 10.0 OF THE CITY POST CONSTRUCTION CONTROLS ADMINISTRATIVE MANUAL, ALL REQUIRED	
MITS OF DISTURBANCE	NATURAL AREAS AND/OR POST CONSTRUCTION CONTROLS EASEMENTS (PCCE'S) MUST BE RECORDED PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY.	ALL CONTRACTOR
KISTING VALLEY CURB	18. EXISTING TREES IN THE ROW OR SETBACKS ON SHARON ROAD SHALL BE PROTECTED WITH TREE PROTECTION FENCING AS SHOWN ON THE EROSION	
O REMAIN	CONTROL PLAN. 19. ALL NEW UTILITIES WILL BE UNDERGROUND.	
RESIDENTIAL	20. THE CONSTRUCTION TIMETABLE FOR THIS PROJECT WILL BE A START DATE OF APPROXIMATELY JULY 2014.	
	21. SOLID WASTE WILL BE COLLECTED BY THE CITY.22. IN ORDER TO ENSURE PROPER DRAINAGE, KEEP A MINIMUM OF 0.5% SLOPE ON	
7) ACCESSIBLE RAMP 9 TYP. BOTH SIDES	THE CURB. 23. HIGH-DENSITY POLYETHYLENE (HDPE) STORM DRAINAGE PIPE INSTALLED WITHIN	
A REPLACE CURB	EXISTING OR PROPOSED PUBLIC STREET RIGHT-OF-WAY MUST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO ANY BACK FILL BEING PLACED.	
9 IN KIND	 BACK FILL MATERIAL MIST BE APPROVED BY THE CITY'S INSPECTOR PRIOR TO PLACEMENT OF THE MATERIAL WITHIN THE PUBLIC STREET RIGHT-OF-WAY. THE DEVELOPER SHALL MAINTAIN EACH STREAM, CREEK OR BACKWASH 	
SIDEWALK	CHANNEL IN AN UNOBSTRUCTED STATE AND SHALL REMOVE FROM THE CHANNEL AND BANKS OF THE STREAM ALL DEBRIS, TIMBER, JUNK AND OTHER	
4 6" VERTICAL CURB 5.93' TRANSITION TO	ACCUMULATIONS. 26. ALL OPENINGS (e.g. DOORS, WINDOWS, VENTS) IN STRUCTURES BUILT ON	DRAWN BY: ECM
VALLEY CURB	LOT'S SHOULD BE LOCATED A MINIMUM OF ONE FOOT ABOVE THE ADJACENT FINISHED GROUND SURFACE (APPLIES TO LOT'S WHICH MAY	CHECKED BY: ECM
4 6" VERTICAL CURB 593' TRANSITION TO	EXPERIENCE SIGNIFICANT OVERLAND FLOW NOT CONSIDERED IN THE 100+1 FLOOD ANALYSIS).	SCALE: "=30'
VALLEY CURB AFTER A RAMP, TYP. BOTH SIDE	27. THE DEVELOPER SHALL CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (GUS JORDI, 704-336-7086) TO IDENTIFY ANY CONFLICTS	DATE: 05.15.2014
ACCESSIBLE RAMP	WITH TRAFFIC SIGNALIZATION EQUIPMENT. 60-90 DAYS WILL BE REQUIRED TO COORDINATE RELOCATION. DEVELOPER SHALL BE RESPONSIBLE FOR ALL	REVISIONS:
9 TYP. BOTH CORNERS	RELATED RELOCATION COSTS AND/OR ANY REPAIR COST CAUSED BY THE CONTRACTOR/DEVELOPER. 28. CERTIFICATION AND STREET CUT PERMITS ARE REQUIRED FOR UTILITY CUTS ON	NO: DATE: DESCRIPTION: BY:
9 TYP. ALL 4 CORNERS PROPOSED 2" WATER	CITY STREETS. ALLOW 7 DAYS PROCESSING FOR PERMIT. FOR INFORMATION CONTACT THE CHARLOTTE DEPARTMENT OF TRANSPORTATION (704-336-4025)	1. 07.03.2014 PER SUBDIVISION ECM COMMENTS
HORRIZONTAL	OR VISIT http://www.charmeck.org/department/transportation/street+maintenance/home.htm.	
STOPPING SIGHT DISTANCE - 200'	FLOODPLANE DEVELOPMENT NOTES:	
DESIGN SPEED 30 PROPOSED 8" SEWER	1. ANY BUILDING WITHIN THE 100+1 STORM WATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY) SUBDIVISION OPDIMANCE SECTION 7 200.8	
COLUCIO DE COLUCIÓN	SUBDIVISION ORDINANCE, SECTION 7.200.8. 2. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOOD WAY	
///	REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY. 3. THE FUTURE CONDITIONS FLOOD FRINGE ELEVATION IS 622.2. THE FLOOD	
	PROTECTION ELEVATION FOR LOTS 1,2 3 AND 4 SHALL BE 623.2. 4. THE COMMUNITY ENCROACHMENT LINE SHALL BE CLEARLY MARKED ON THE SITE	
	PRIOR TO ANY GRADING AND THE MARKED LINE MUST BE MAINTAINED ON THE SITE UNTIL FINAL GRADING IS COMPLETE.	SHEET TITLE:
N	5. CERTIFICATION OF FILL PLACEMENT IS REQUIRED AFTER CONSTRUCTION. 6. ELEVATION CERTIFICATION WILL BE REQUIRED PRIOR TO ISSUANCE OF CERTIFICATE	
	OF OCCUPANCY. S.W.I.M BUFFER NOTES:	SITE PLAN
	I. THE STREAM SIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY	
	UNDISTURBED. IN THE MANAGED USE ZONE, A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF	
	8 HEALTHY TREES OF A MINIMUM G-INCH CALIPER PER 1,000 SQUARE FEET. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER	
_	AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES. 2. PLANS CLEARLY INDICATE THAT NO FILL MATERIAL IS TO BE BROUGHT INTO THE BUFFER AND THAT NO STRUCTURES ARE ALLOWED WITHIN ANY OF THE BUFFER	SHEET NO .:
5	BUFFER AND THAT NO STRUCTURES ARE ALLOWED WITHIN ANY OF THE BUFFER AREAS (EXCEPT NON-COMMERCIAL OUT BUILDINGS NOT EXCEEDING 150 SQUARE FEET).	
5	3. GRADING AND OTHER LAND DISTURBING ACTIVITIES ARE ALLOWED ONLY IN THE UPLAND ZONE; HOWEVER, THESE ACTIVITIES MUST BE PERFORMED IN SUCH A	L2.0
	MANNER AS TO PREVENT DAMAGE TO ROOTS OF REMAINING TREES. GRASS OR OTHER SUITABLE GROUND COVER CAN BE APPLIED TO THE UPLAND ZONE.	
	4. THE OUTSIDE OF THE BUFFER MUST BE CLEARLY MARKED WITH ORANGE FABRIC FENCING PRIOR TO ANY LAND DISTURBING ACTIVITIES (GRADING, TREE CUTTING	PROJECT NO .:
	OR STUMP REMOVAL, ECT.) AT THE SITE AND THIS FENCING MUST BE CALLED OUT ON THE PLANS.	

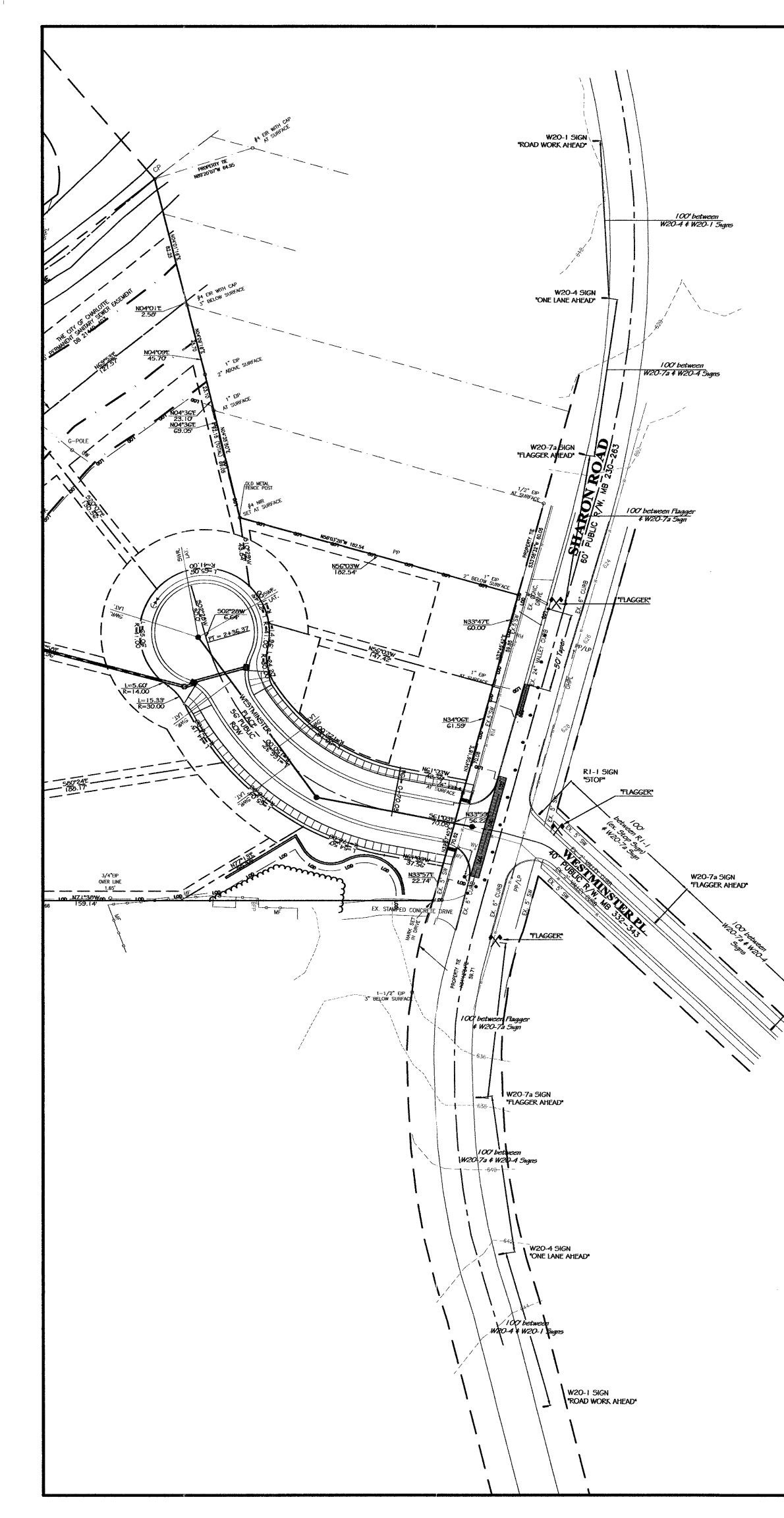


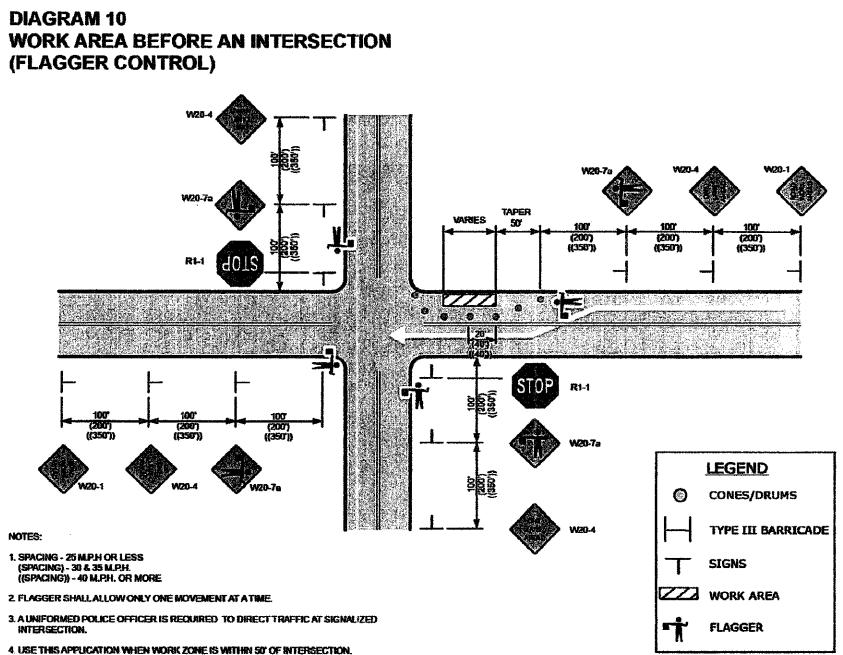
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630	G ₃ =+0.01			$G_2 = -0.01$		<u>C_=+0.0316</u>	500	63
629								62
<u>628</u>	PROPOSED MH #3							62
627	INVERT OUT 624.70	PROPOSED 2" WATER	PROPOSED 2" WATER	200.00'			10.00'	62
626				PROPOSED MH #2 RIIM 630.0 INVERT IN 623.95	PROPOSED MI RIIM 629.38 INVERT IN 623		EX. WATE	R 62
625			PROPOSED SEWER	INVERT OUT 623.75	INVERT (EX.) 6		TO BE FIE DETERMIN	ELD 62
624			8" PVC @ 0.60%		PROPOSED SEV 8" PVC @ 0.60	VER		62
<u>623</u>								62
622		Λ	- PROPOSED STORM 15" CMP					62
621		U	INVERT = 625.18					62
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		335' LEFT TURN SIGHT DISTANCE		A	· · · · · · · · · · · · · · · · · · ·
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	PREPARED FOR:
335' LEFT TURN SIGHT DISTANCE	BARRINGER & SMITH PROPERTIES, LLC
in SIGHT LINE SIGHT LINE SIGHT LINE EXISTING GRADE EXISTING GRADE in SIGHT LINE G29.69 EXISTING GRADE EXISTING GRADE	1133 METROPOLITAN AVE. SUITE 619 CHARLOTTE, NC 28204
290' RIGHT TURN SIGHT DISTANCE	PROJECT: WESTMINSTER PARK 2301 SHARON ROAD, 28207
SIGHT LINE	PREPARED BY: Wirth & Associates LANDSCAFE ARCHITECTS AND LAND PLANNERS 1230 W. MORCHOUD St. Swite 212 Charlotto, MC 28208 Phane: 704-375-1568 Fax: 704-375-3844 Email: gwith@wirthassociates.com
SIGHT DISTANCE PROFILE SCALE : 1" = 20' - 0" HORIZONTAL & VERTICAL	SELWAN AVE OUEENS RD SELWAN AVE OUEENS RD OUEENS RD OUEENS RD RD RD RD RD RD RD RD RD RD RD RD RD R
EX. 8" BIRCH EX. 36" OAK	BRIAR CREEK VICINITY MAP n.t.s. 0 15 30 60 1 INCH = 30 ft.
PROPOSED OAK 2' CAL. AT PLANTING PROPOSED OAK 2'	NC AROLINIA CAROLINIA S. 2014
All and a second a second and a	DRAWN BY: <u>CG</u> CHECKED BY: <u>ECM</u> SCALE: <u>I"=30'</u> DATE: <u>O5.15.2014</u> REVISIONS: <u>NO: DATE: DESCRIPTION: BY:</u> 1. 07.03.2014 PER SUBDIVISION ECM COMMENTS
A TONOLOGIA CONTRACTOR CONTR	SHEET TITLE:
	SIGHT DISTANCE PLAN & PROFILE SHEET NO.:
$\frac{\text{SIGHT DISTANCE PLAN VIEW}}{\text{SCALE}: " = 30' - 0"}$	L2.2 PROJECT NO.:







- 5. ADDITIONAL SIGNAGE AND/OR TRAFFIC CONTROLS SUCH AS TURN PROHIBITION: AND ADDITIONAL FLAGGER MAY BE REQUIRED.

6. IF BIKE LANE IS PRESENT THE PROPER CLOSURE IS REQUIRED USING SIGNS AN CONES REFER TO DIAGRAM 31.

Traffic Control Notes:

W20-4 5IGN

"ONE LANE AHEAD"

- A) Street space is at a minimum so no more space should be used for construction or maintenance work than is absolutely necessary. Through barricading and channelization, the remaining street space is to be used to carry the traffic around the work area in the best way possible under prevailing conditions.
- B) Traffic control devices shall be set up prior to the start of construction or maintenance operations, and shall be removed or relocated as the work is finished or work conditions change. The agency doing the work shall patrol the work site as required to ensure that all traffic control devices are in place and operating at all times.
- C) All traffic control signs for the work areas shall be reflectorized. The reflective materials used shall be equal to or better than the Type 1, Level A reflective sheeting requirements in Section 633 of the Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects (FP-74).
- D) At night, adequate barricades with reflectorized material and lights are requirec to call attention to and to indicate the actual location of obstructions and hazards.
- E) When not in use during work hours or construction inactivity, equipment shall be parked a minimum of 10' away from the travel lane in such a manner as to not create a sight distance problem for motorists
- F) The minimum width for temporary travel lanes is 10'; however, a 12' lane is advisable and should be provided whenever possible.
- G) Whenever traffic must be routed across the centerline the two directions of traffic must be physically separated. Traffic cones can be effectively used for this purpose during daylight hours; reflectorized drums must be used at night.
- H) traffic shall not be routed across centerline with cones or drums during non-working hours.
- Contractor must be on site or change pavement marking appropriately. I) Generally, the peak flow of traffic occurs in Charlotte between the hours of 7–9 a.m. and 4:30-6:30 p.m., (4-6 p.m. in the CBD) Monday through Friday. During these hours construction activity that involves a lane closure will not be allowed on thoroughfare streets except in emergency situations or with approval from the Charlotte Department of Transportation.
- J) The agency doing the work shall provide flaggers and/or Police control when required. Contractor may be also be required to provide a uniformed officer to control traffic when working in and around a signalized intersection.
- K) Every attempt shall be made to schedule and expedite the work to cause the least inconvenience to the traveling public.
- L) In situations not covered in this design, the protection of the travelling public andthe protection of the workers on site will dicate the measures to be taken consistent with the City of Charlotte Work Area Traffic Control Handbook (WATCH).
- M) The contractor, utility company, or governmental agency involved in the work shall notify the Charlotte Department of Transportation (Jimmy Rhyne at 704–336–3905) of the construction start date and any major work where the number of travel lanes are reduced from normal conditions or the street is required to be closed. Except in emergencies, the following notification is required: *Construction start date -5 working days in advance *Closing 1 or more travel lanes during Peak Travel Times - 5 working days prior to the

scheduled work

*Closing a street - 10 working days prior to the scheduled work.

This lead-ime is necessary for planning and notifying the public of expected changes in the normal traffic conditions.

- N) Where complete street closure is necessary, the Department of Transportation will coordinate closure of the street and, if necessary, fully sign a detour route. 0) The City Engineer or Director of the Department of Transporation or their representatives are
- authorized to stop any construction or maintenance activity which is not properly signed and barricaded as required by this standard, the WATCH, and/or the MUTCD until such requirements are
- P) This design standard cannot be used for all roadway construction situations. It is intended only to be used as guideline. Specific situations may require engineering judgement in the placement of traffic control devices because of limited vertical and/or horizontal sight distance. Q) When peronnel and/or equipment are within 2' of the edge of an open travel lane, the contractor
- shall refer to the WATCH for proper lane closure. R) Operational signs are generally mounted on portable supports. These are usually used for
- short-term operations to warn and guide traffic. Advanced warning signs (Construction Ahead) shall be mounted on stationary supports seven days prior to the beginning of construction of the roadway. S) All drums shall be ballasted in such a manner that they will be stable under wind and vehicle
- action. Ballasting shall be done with sandbags or other yielding material situated in the base of the drums.
- T) Construction work shall not be allowed on both sides of the road simultaneously within the same area, unless the roadway is median divided. U) At the end of each work day the contractor shall backfill up the edge and elevation of the existing
- pavement areas within 2 feet of an open travel lane that include a drop off of more than 3 inches in accordance with the WATCH (see Detail)
- V) Pavement markings are to be installed by the contractor. Pre-lines must be approved by CDOT prior to placement of the pavement markings. The contractor shall notify Jimmy Rhyne (704–336–3905) of CDOT 5 working days in advance of placing the pre-lines.
- W) Traffic Signal work is to be performed by CDOT. The contractor shall notify Jimmy Rhyne (704–336–3905) of CDOT at least 60 days in advance of needed signal work. If a traffic signal uses steel poles and/or most arms, at least 90 days advance notice is required.

	Hours of Operation
	Minimum Beam Candle
	Minimum Effective Inte
1	Flash Duration
1	
1	Flash Rate/Minute ***
	Lens Directional Faces
	** These values mus
	of the ventical axis
	horizontal axis.
	*** Length of time the
	effective intensity.

All persons or responsible for agencies and util work.

Responsibility for public, the work or Public Agency

All required agree work. These re right-of-way us

<u>Approval & No</u>

It is necessary of Transportation City of Charlotte the TTC plan, an Proper coordination most efficient

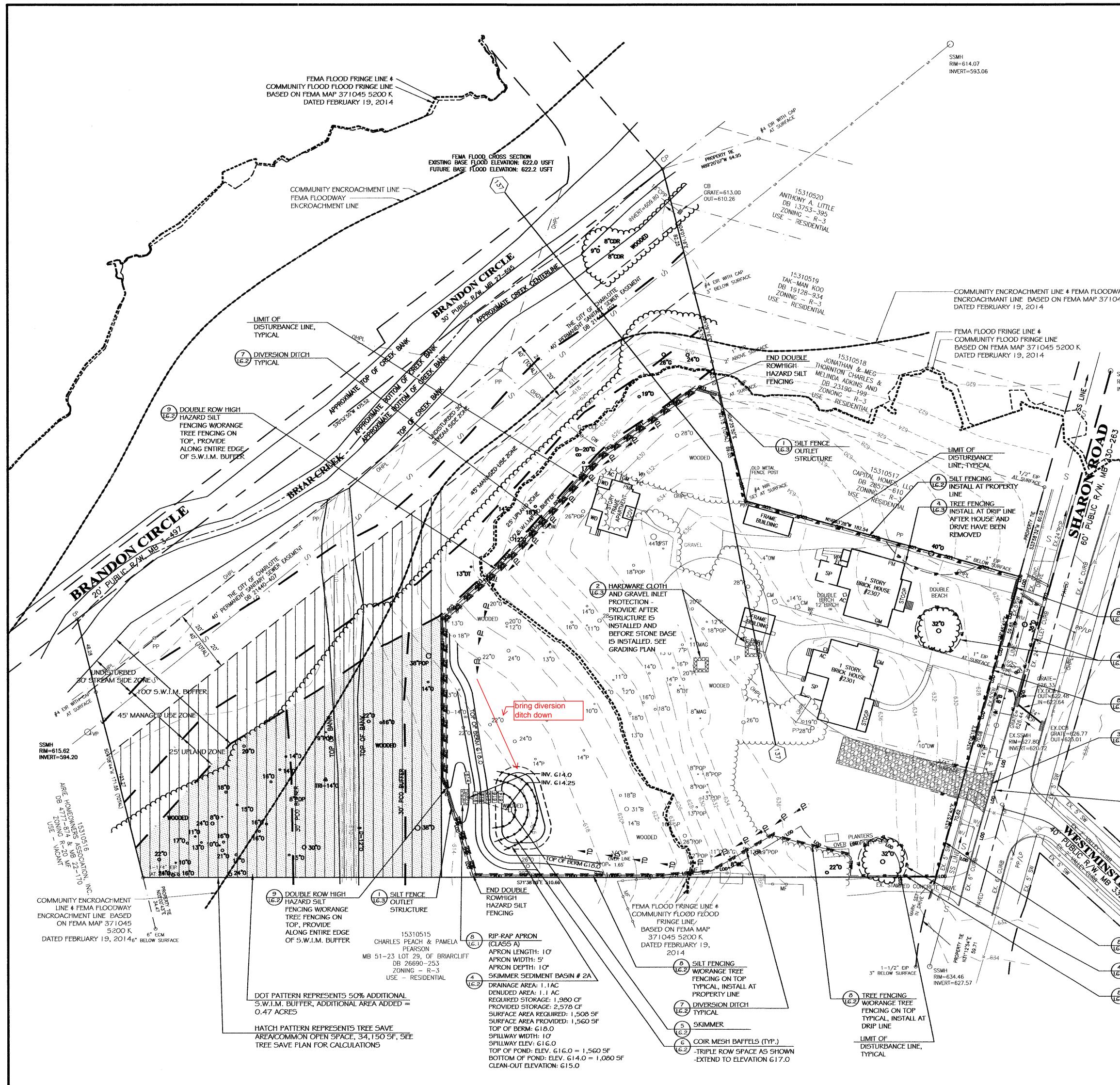
that the contrac

WATCH: Roadway

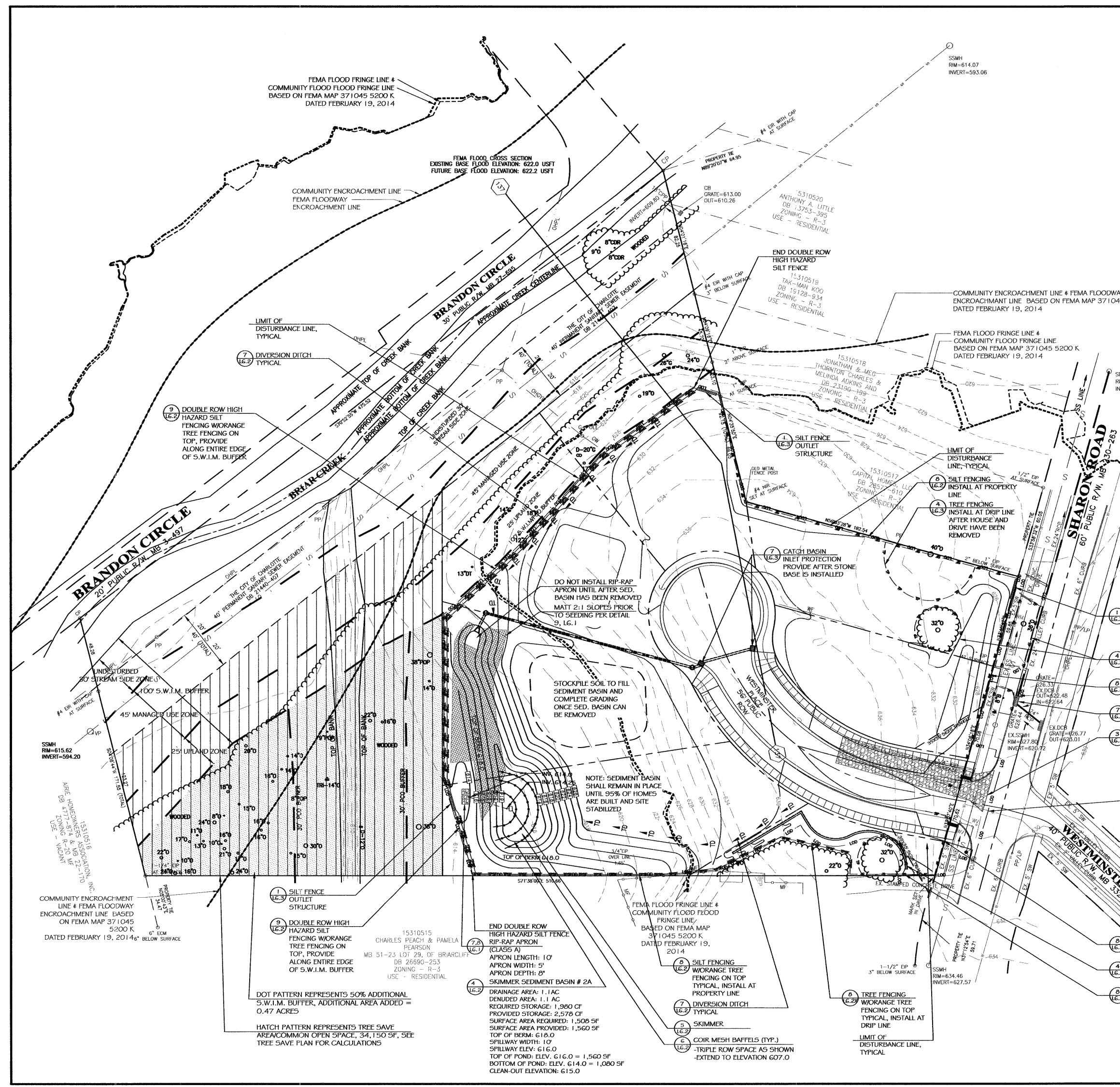
- * 704-336-
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- * 704--336--
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- Each of the abo

	DY BURN WARNING LIGHTS are most PREPARED FOR:
Type A Type B Type B Type C or on Type Hours of Operation Dusk to Dawn 24 Hrs/Day Dusk to Dawn to continuoli Minimum Effective Intensity ** 4.0 Candelas 35 Candelas 2 Candles opproaching Minimum Effective Intensity ** 4.0 Candelas 35 Candelas Borricode wo Flash Duration 10% 8% Constant enclosed light Flash Rate/Minute *** 55 to 75 55 to 75 Constant sholl be yell Lens Directional Faces 1 or 2 1 1 or 2 Borricode wo	ming lights shall be in accordance with 21'TO 24" SIJITE 6 9
of the ventical axis, and 5 degrees above and 5 degrees below the Engineers' (horizontal axis. Engineers' (*** Length of time that instantaneous intensity is equal to or greater than Burn Borrico	E) Standard for Flashing and Sleady (1971). E) Warning Lights (1971). E) Standard for Flashing and Sleady (1971). E) Standard for Flashing (1971). E) Standard (
WATCH: General Responsibility	
All persons or agencies doing work in the public streets, highwa responsible for obtaining all necessary permits, coordinating the agencies and utilities, and informing occupants of adjacent prop work.	work with all affected government
Responsibility for the installation and maintenance of adequate s public, the workers, and general protection of the work shall res or Public Agency doing the work.	
All TTC devices and procedures shall conform to the requiremen of the Manual on Uniform Traffic Control Devices (MUTCD), the o Department of Transportation (NCDOT) Supplement to the Manual and Highways, the NCDOT Roadway Standard Drawings, and the Specifications for Roads and Structures.	ourrent edition of the North Carolina on Traffic Control Devices for Streets
The City Engineer, or the Director of the Department of Transpo authorized to stop any construction or maintenance activity in t been approved for construction or is not properly configured wit handbook, until such requirements are met.	the public right-of-way that has not the TTC devices, as required by this INNOSCAPE ARCHITECTS AND LAND PLANNERS 1230 W. Morehood St. Suite 212
The advanced notification period required prior to the beginning for a Road Closure. The advanced notification period for a Roa notification periods do not include the plan approval time when	d Closure is ten working days. These Email: gwith@withassociates.com olan approval is necessary.
For major construction projects and emergency road closures, c 704–336–7086. For all other projects and routine maintenance Management Section at 704–432–1562.	work, contact the Right-of-way
In emergency situations, weekends, holidays, or after normal bus should be contacted (911) while the contractor is securing the responsible for notifying the appropriate CDOT staff.	iness hours, the Police Department
All required agreements and permits from various City agencies work. These required documents may include encroachment agr right—of—way use permits, building permits, driveway permits, an	eements, road closure agreements, d street cut permits amongst others. BRIAR CREEK
Approval & Notification Requirement for Work in the Public Rig	
It is necessary for both public and private agencies to obtain a of Transportation (CDOT) before scheduling work that will have a City of Charlotte . This is necessary to ensure proper construc the TTC plan, and coordination between the many activities that Proper coordination is necessary to ensure the safety of pedest most efficient flow of traffic throughout the City.	n impact on the flow of traffic in the tion sequencing, adequate phasing of take place in the right-of-way.
The contractor, utility company, or public agency constructing a routine maintenance in the public right—of—way shall notify CDO following impacts on the roadway facility are to occur:	
 Closing a travel lane on a thoroughfare during peak hot Closing more than one lane in one direction on a thoroughfare Closing all lanes in one direction on a thoroughfare Closing more than one lane of a one-way street Closing sidewalks on both sides of the street Anytime work is performed in the Central Business District 	oughfare
Mobile operations (see Section 16) are generally exempt from the that the contractor coordinates with other users.	e requirement to notify CDOT provided
WATCH: Peak Flow Work Hours	
The peak flows of traffic in Charlotte , outside the Central Busin between the hours of $7:00 - 9:00$ a.m. and $4:30 - 6:30$ p.m. maintenance work, which involves closure of a lane of traffic, w streets except for emergency situations or with approval from C roads or two-lane roads which are separated by a marked dou considered to be thoroughfare streets.	During these hours, construction or Il not be allowed on thoroughfare DOT. As a general rule, all multi-lane
The peak flows of traffic in the CBD generally occur between th a.m. — 1:30 p.m. and 4:00 — 6:00 p.m. During these hours, involves closure of a lane of traffic or a sidewalk will not be a or with prior approval from CDOT. The CBD is that area of the I—277.	construction or maintenance work which lowed except for emergency situations
WATCH: Roadway Closure Notifications	CHECKED BY: ECM
When a road closure has been approved (see Section 3), the ag to notify the following agencies at least 1 week prior to the exp	
* 704–336–3237 Police Department	REVISIONS:
* 704–336–2441 Fire Dispatch	NO: DATE: DESCRIPTION: BY:
* 704—943—6200 Medic Dispatch	1. 07.03.2014 PER SUBDIVISION ECM COMMENTS
* 980–343–5080 School Transportation	
* 704–336–4042 Charlotte Transit	
* 704–336–4119 CDOT Public Service (Press Releases)	
Each of the above agencies shall also be contacted upon the r "Contractor shall contact CDOT at 704–432–1562 a minimum o	7 working days prior to construction,
to obtain the nesessary right of way permits for any construction right of way"	n activities within the City of Charlotte SHEET TITLE:
	TRAFFIC CONTROL PLAN
	SHEET NO.:

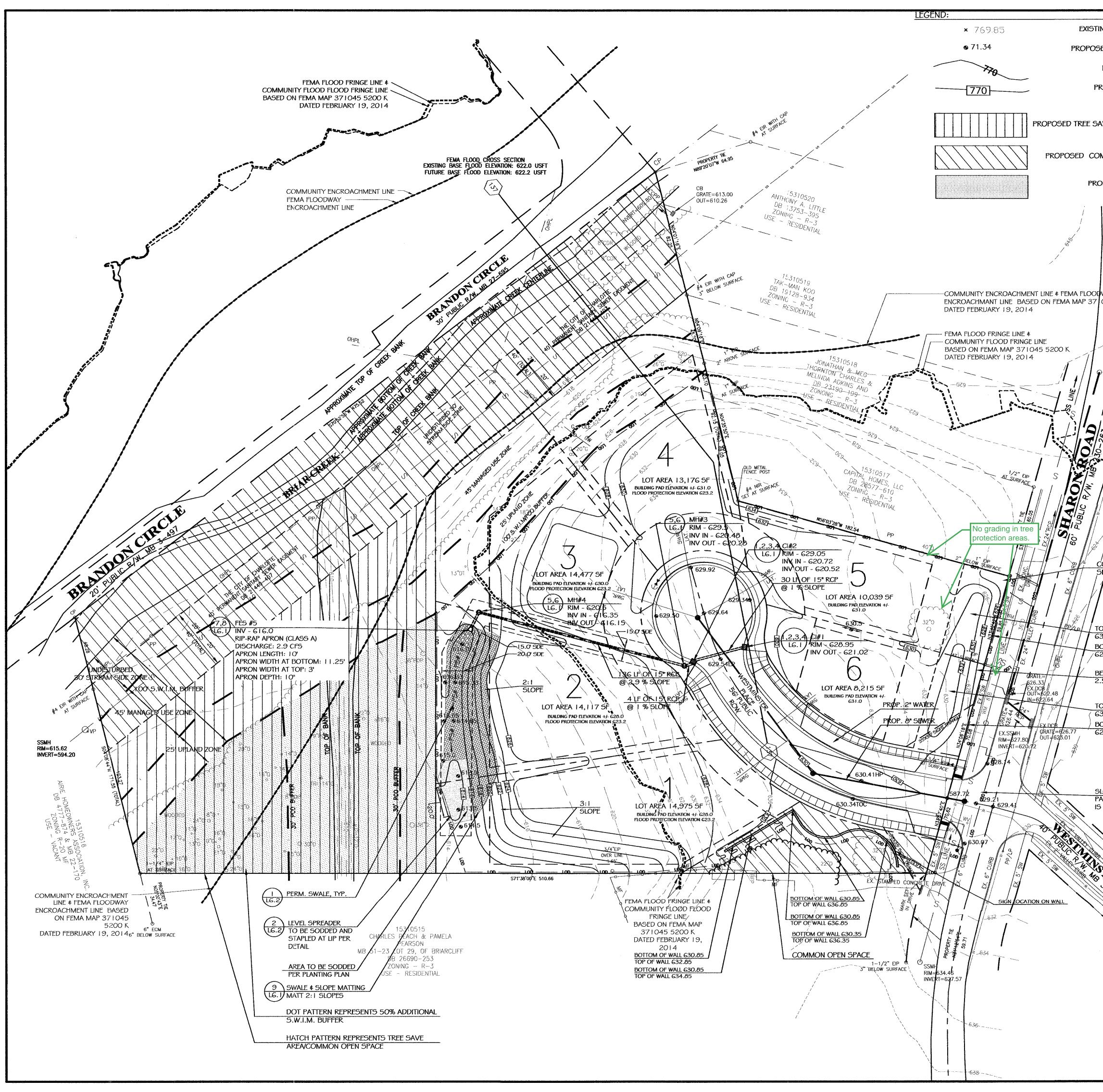
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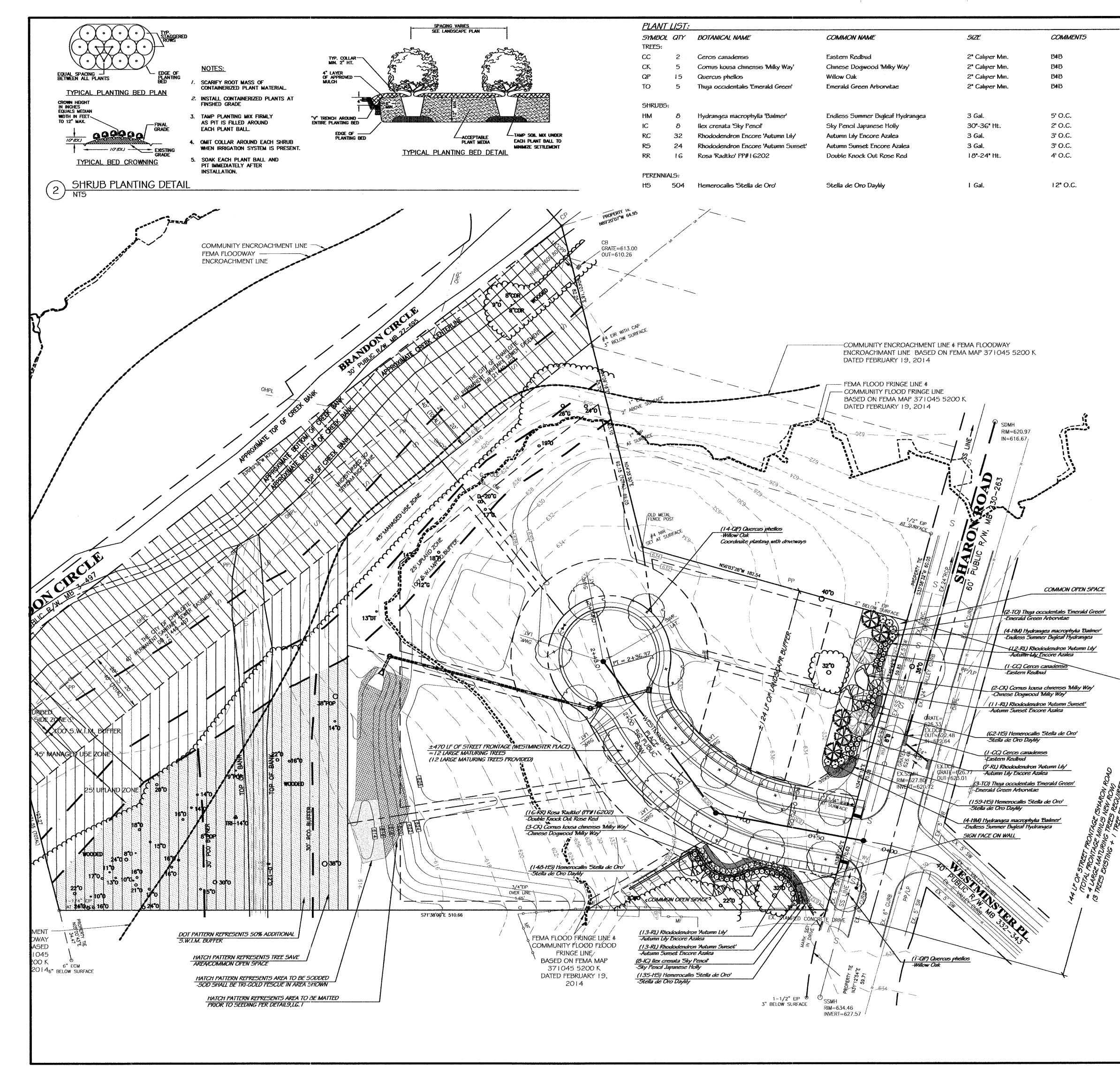
	EROSION NOTES:	
	I. THE CITY OF CHARLOTTE EROSION CONTROL INSPECTOR, OWNER AND OWNERS	PREPARED FOR:
	REPRESENTATIVE SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO BEGINNING CONSTRUCTION.	BARRINGER & SMITH
	 ON SITE BURIAL PITS WILL NOT BE ALLOWED. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN 	PROPERTIES, LLC
	IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.	1 1 33 METROPOLITAN AVE.
	4. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.	SUITE 619
	5. "STOP BEFORE YOU DIG". CALL NO ONE-CALL CENTER AT 1-800-632-4949. IT'S THE LAW.	CHARLOTTE, NC 28204
	6. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY & ANY RELATED BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONCIDENTS FROM OF THE LAND DISTURBING ACTIVITY UNITED THE RODDOW OF	
	CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A LANDFILL	
	REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE NOT CONDUCTED BY THE GAME REPORT. THEY GHALL BE CONSIDERED SEPARATE LAND DISTURBING	
	BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED EITHER through THE SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR THROUGH THE MINING	
	ACT. 7. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THESE	
	DRAWINGS AND THE STATE OF NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (LATEST EDITION).	PROJECT: WESTMINSTER
	8. ANTICIPATED BEGINNING OF CONSTRUCTION - SUMMER 2014.9. ALL AREAS AND EXPOSED SLOPES SHALL BE TEMPORARILY OR PERMANENTLY	PARK
	STABILIZED WITH SEEDING, MULCH, ECT. WITHIN 7 DAYS FOLLOWING THE LAST LAND DISTURBING ACTIVITY. PROVIDE TEMPORARY OR PERMANENT GROUND COVER FOR	
	ALL DISTURBED AREAS WITHIN 14 DAYS FOLLOWING THE LAST LAND DISTURBING ACTIVITY. REFER TO NCDENR EROSION CONTROL ORDINANCE FOR ADDITIONAL	
	REQUIREMENTS. 10. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION	PREPARED BY:
	OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE. II. STABILIZATION IS THE BEST FORM OF EROSION CONTROL. TEMPORARY SEEDING IS NECESSARY TO ACHIEVE EROSION CONTROL ON LARGE DENUDED AREAS AND	
	ESPECIALLY WHEN SPECIFICALLY REQUIRED AS PART OF THE CONSTRUCTION SEQUENCE SHOWN ON THE PLANS AND DETAILS.	LANDSCAPE ARCHITECTS AND LAND PLANNERS
/AY	12. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF NCDENR, CITY OF CHARLOTTE OR OWNER.	1230 W. Morehead St. Suite 212 Charlotte, NC 28208 Phone: 704-375-1588 Fax: 704-375-3844
45 5200 K	13. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. SLOPES GREATER THAN 3:1 SHALL BE MATTED IN ACCORDANCE WITH DETAILS AND SPECIFICATIONS AND SHALL	Email: gwirth@wirthassociates.com
	BE IMMEDIATELY STABILIZED UPON COMPLETION. 14. SILT FENCE SHALL BE PLACED 10' OFF THE TOE OF FILL SLOPES. TO ALLOW FOR	SELIMIN AVE QUEENS RD RD
	SEDIMENT STORAGE AND MAINTENANCE. 15. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT	WIN AVE QUE
	PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION MUST BE OBTAINED FROM THE EFFECTED PROPERTY.	Self and Be
	14. PER FEMA FIRM PANEL 37 10455400J, FLOOD WAY DISTRICTS ARE ASSOCIATED WITH THIS PROPERTY.	SELVIN AVE SELVIN AVE BUILD BU
SDMH RIM=620.97	15. THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PREVENT TRACKING OF MUD ONTO PUBLIC STREETS. ANY MUD OR SOIL TRACKED ONTO ACTIVE ROADS SHALL BE CLEANED AND OR SWEPT DAILY.	
IN=616.67	16. SEE DEMOLITION PLAN FOR DEMOLITION NOTES. 17. SEE DESIGN CALCULATIONS FOR DRAINAGE AREA MAP.	CARLES CONTRACTOR
	TOTAL SITE AREA: 3.80	BRIAR CREEK
	DENUDED AREA: 1.84 ACRES SOIL TYPE: CuB, CuB, MO	VICINITY MAP n.t.s.
ama and a second second	RIVER BASIN: CATAWBA RIVER RECEIVING WATERSHED: BRIAR CREEK	
	CONSTRUCTION SEQUENCE	
N	I. SET A ON-SITE PER-CONSTRUCTION MEETING WITH THE EROSION CONTROL	I INCH = 30 ft.
	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 A FINE.	
11	2. INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.	NUMBER CARO
.[]	 CALL FOR ON-SITE INSPECTION BY THE INSPECTOR. WHEN APPROVED, INSPECTOR WILL ISSUE THE GRADING PERMIT AND CLEARING AND GRUBBING CAN BEGIN. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION 	
	4. THE CONTRACTOR SHALL DILIGENTITIAND CONTINUOUSLI MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES DURING ALL PHASES OF CLEARING AND GRADING ACTIVITY.	
1	5. ADJUST AND REPAIR EROSION CONTROL DEVICES AS NEEDED DURING GRADING OPERATIONS.	Contraction of the second seco
	6. STABILIZE SITE WITH SEEDING AS AREAS ARE BROUGHT TO FINISH GRADE PER EROSION CONTROL NOTES.	
	7. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.	· · · · · · · · · · · · · · · · · · ·
	8. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE N.C. EROSION CONTROL AND SEDIMENT CONTROL	
8) <u>SILT FENCE</u> 6.2) OUTLET	PLANNING AND DESIGN MANUAL, U.S. DEPT. OF AGRICULTURE, CITY OF CHARLOTTE EROSION CONTROL ORDINANCE, AND THE CHARLOTTE LAND DEVELOPMENT	
STRUCTURE	STANDARDS.	
4 TREE FENCING	FIMA FLOOD PLAIN DATA: FIRM COMMUNITY NUMBER: 370159	
6.3 INSTALL AT DRIP LINE	FIRM PANEL NUMBER: 4552 K FIRM EFFECTIVE DATE: FEBRUARY 19, 2014	
Leff Vbe-		
8 SILT FENCING	LEGEND	
6.2 INSTALL AT BACK OF SIDEWALK	× 622.85 EXISTING SPOT ELEVATION	DRAWN BY: ECM
3 CONSTUCTION	● 622.0 PROPOSED SPOT ELEVATION	CHECKED BY: ECM
Entrance - Flair BACK OF CURB		SCALE: "=30'
	622 EXISTING CONTOUR	DATE: 05.15.2014
	PROPOSED CONTOUR	REVISIONS:
		NO: DATE: DESCRIPTION: BY:
LIMIT OF DISTURBANCE	LIMIT OF DISTURBANCE LINE	1. 06.03.14 FLOOD CROSS-SECTION ECM ADDED 2. 07.03.14 PER SUBDIVISION ECM
LINE, TYPICAL	SILT FENCE	2. 07.03.14 PER SUDDIVISION LOW COMMENTS
`	TREE PROTECTION FENCE	
	TP IREE PROTECTION FENCE	
	TPSFTPSF	
	SILT FENCE OUTLET STRUCTURE	
1554	BLOCK AND GRAVEL INLET PROTECTION	SHEET TITLE:
	$\Box = = = = = = = = = = = = = = = = = = =$	INITIAL EPOSION
8 SILT FENCING 6.3 INSTALL AT BACK		INITIAL EROSION CONTROL PLAN
OF SIDEWALK		CONTROLICAN
4) TREE FENCING 6.3) INSTALL AT DRIP		
B) SILT FENCING		
6.2 INSTALL AT PROPERTY LINE		SHEET NO .:
		L3.0
		PROJECT NO.:

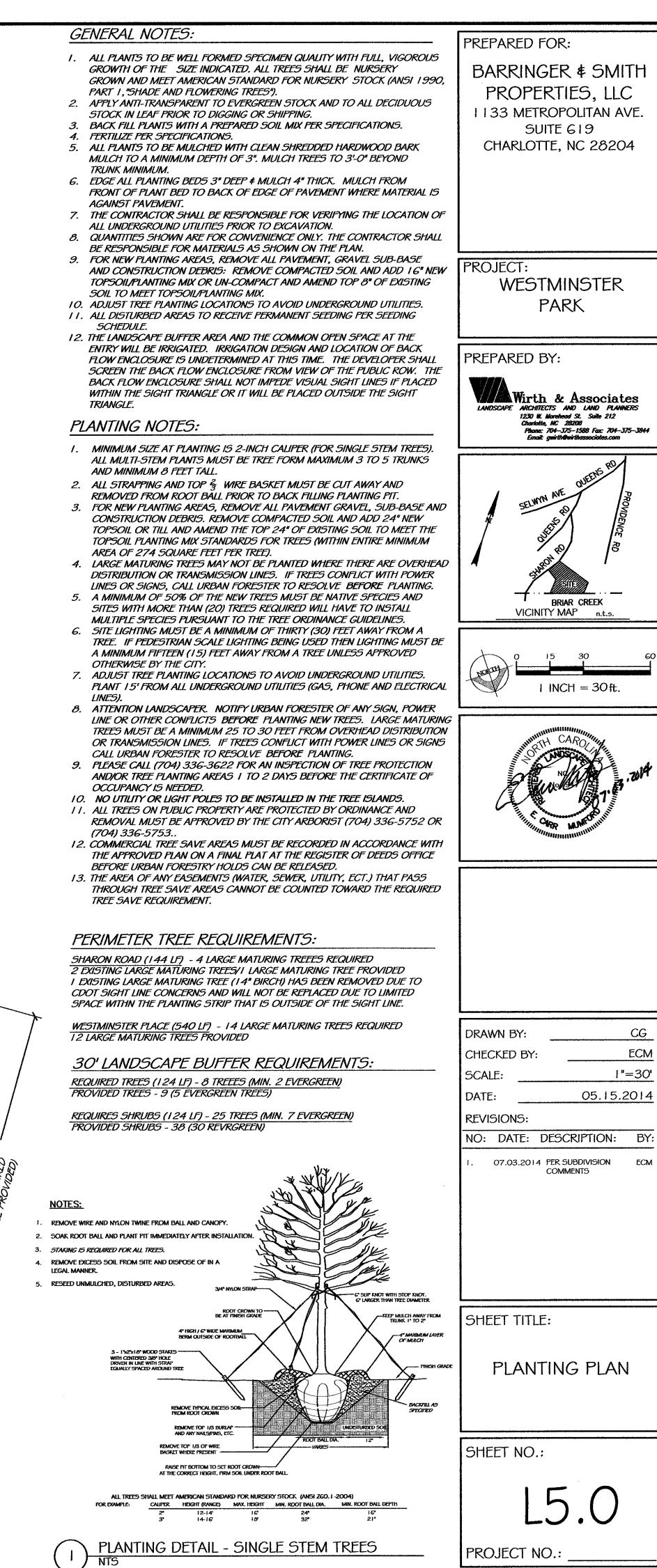


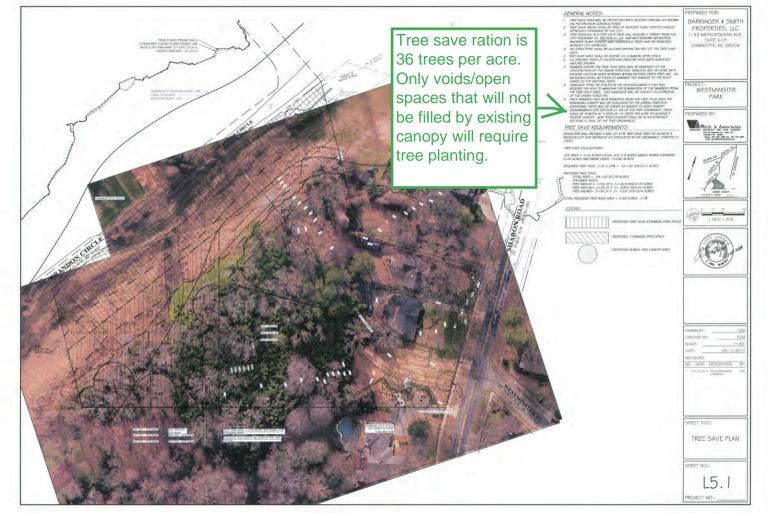
	EROSION NOTES:	PREPARED FOR:
	I. SEE SHEET L3.0 FOR EROSION CONTROL NOTES	
	2. SEE DESIGN CALCULATIONS FOR DRAINAGE AREA MAP	BARRINGER & SMITH
	TOTAL SITE AREA: 3.80 DENUDED AREA: 1.84 ACRES	PROPERTIES, LLC
	SOIL TYPE: CUB, CUB, MO RIVER BASIN: CATAWBA RIVER	1 1 33 METROPOLITAN AVE.
	RECEIVING WATERSHED: BRIAR CREEK	SUITE 619
	CONSTRUCTION SEQUENCE	CHARLOTTE, NC 28204
	1. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES DURING ALL PHASES OF CLEARING AND	
	GRADING ACTIVITY. 2. ADJUST AND REPAIR EROSION CONTROL DEVICES AS NEEDED DURING GRADING	
	OPERATIONS.	
	3. STABILIZE SITE WITH SEEDING AS AREAS ARE BROUGHT TO FINISH GRADE PER EROSION CONTROL NOTES.	
	4. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.	
	5. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE N.C. EROSION CONTROL AND SEDIMENT CONTROL	PROJECT:
	PLANNING AND DESIGN MANUAL, U.S. DEPT. OF AGRICULTURE, CITY OF CHARLOTTE	WESTMINSTER
	EROSION CONTROL ORDINANCE, AND THE CHARLOTTE LAND DEVELOPMENT STANDARDS.	PARK
	FIMA FLOOD PLAIN DATA:	
	FIRM COMMUNITY NUMBER: 370159	
	FIRM PANEL NUMBER: 4552 K FIRM EFFECTIVE DATE: FEBRUARY 19, 2014	PREPARED BY:
	LEGEND	Wirth & Associates
		LANDSCAPE ARCHITECTS AND LAND PLANNERS 1230 W. Marchard St. Swite 212
AY	× 622.85 EXISTING SPOT ELEVATION	Charlotte, NC 28208 Phone: 704—375—1588 Fax: 704—375—3844 Email: gwirth@wirthassociates.com
45 5200 K		
	● 622.0 PROPOSED SPOT ELEVATION	SELWM AVE QUEENS RD PROVIDE
	EXISTING CONTOUR	NE OUL
	622 EXISTING CONTOUR	SELWIN RO RO
	PROPOSED CONTOUR	The second secon
DMH		
SDMH RIM=620.97	LIMIT OF DISTURBANCE LINE	A CHECK
N=616.67	SILT FENCE	
	SILT FENCE	BRIAR CREEK
	TREE PROTECTION FENCE	VICINITY MAP n.t.s.
	TPSF	, i5 30 60
5	SILT FENCE OUTLET STRUCTURE	(potenti)
\sim	SILTENCE ODTLET STRUCTURE	I INCH = 30 ft.
	BLOCK AND GRAVEL INLET PROTECTION	
		WINNING CARO
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		a and a a
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/		
SILT FENCE		
3 OUTLET STRUCTURE		
STRUCTURE		
· TREE FENCING · INSTALL AT DRIP		
LINE		
SILT FENCING		
OF SIDEWALK		
-3 INLET PROTECTION		DRAWN BY: <u>ECM</u>
		CHECKED BY: ECM
2) CONSTUCTION		SCALE: 1"=30'
MAINTAIN UNTIL		DATE: 05.15.2014
ROAD BASE IN INSTALLED		REVISIONS:
		NO: DATE: DESCRIPTION: BY:
LIMIT OF DISTURBANCE		1. 06.03.14 FLOOD CROSS-SECTION ECM ADDED
LINE, TYPICAL		2. 07.03.14 PER SUBDIVISION ECM COMMENTS
A A A A A A A A A A A A A A A A A A A		SHEET TITLE:
		FINAL EROSION
3 SILT FENCING		
OF SIDEWALK		CONTROL PLAN
-3 INSTAL AT DRIP		
JINSTAL AT DRIP		
SILT FENCING		SHEFT NO .
PROPERTY LINE	·	SHEET NO .:
		L3.1
		PROJECT NO.:

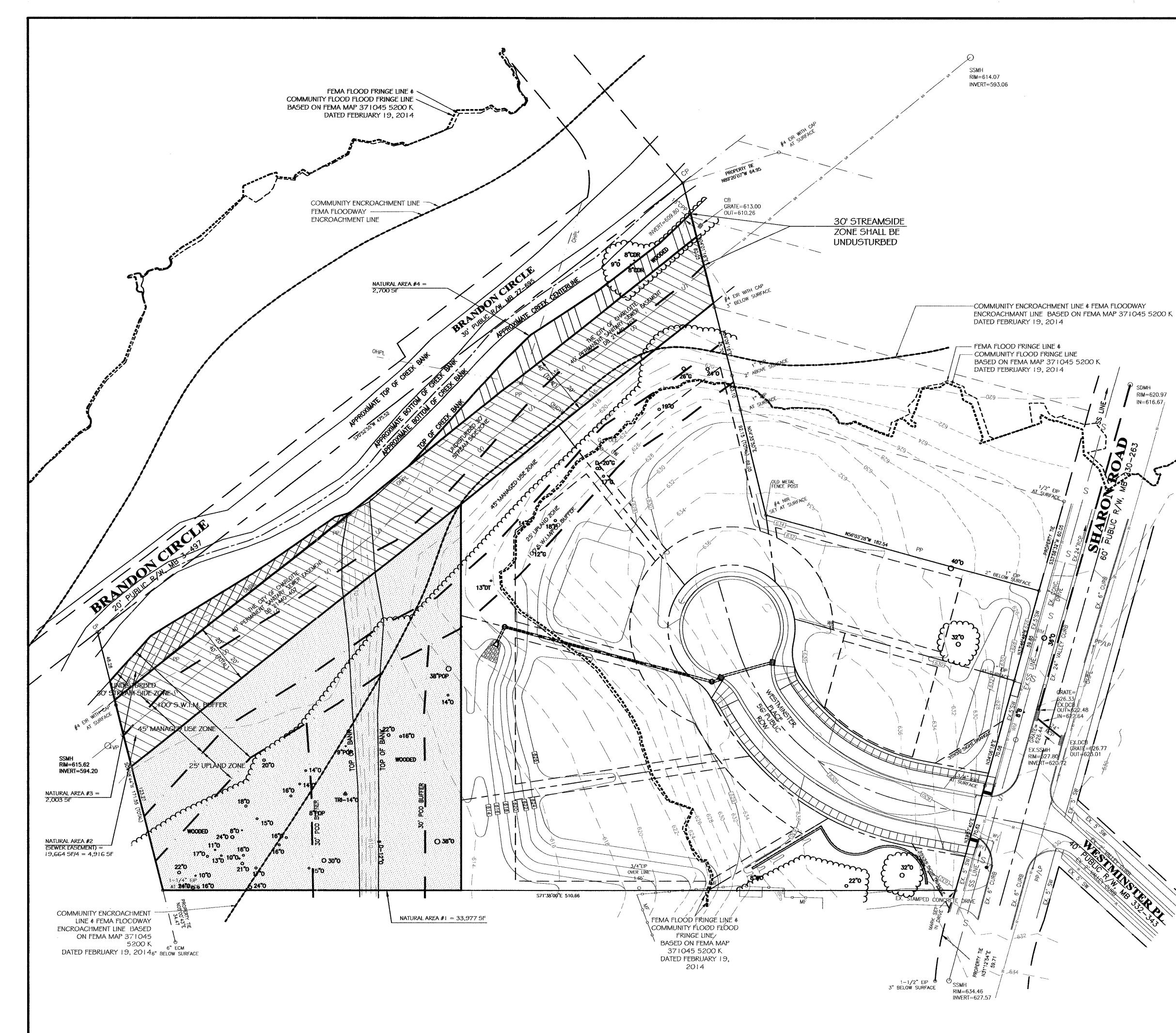


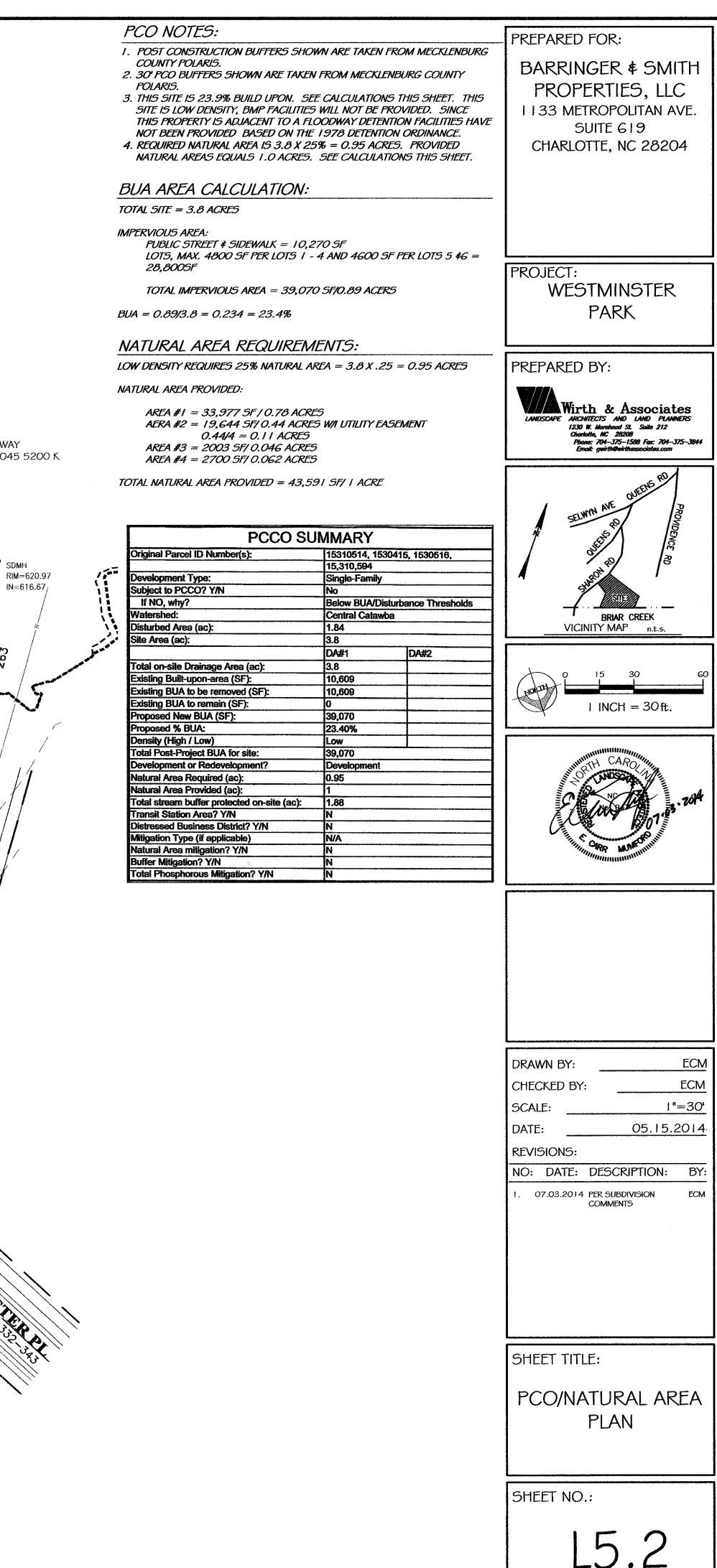
ING SPOT ELEVATION	SITE DATA:	PREPARED FOR:
	TOTAL SITE AREA: 3.80 PROPOSED DENUDED AREA: 1.84 ACRES	BARRINGER & SMITH
SED SPOT ELEVATION	SOIL TYPE: CuB, CuB, MO EXISTING IMPERVIOUSW AREA - 10, 609 SF	
EXISTING CONTOUR	PROPOSED IMPERVIOUS - 39,070 SF (10,270 NEW STREET AND SIDEWALK, 28,800 SF LOTS - 4800 MAX. SF PER LOTS 1 -4 \$ 4600 MAX. SF PER LOTS 5 \$ 6)	PROPERTIES, LLC
EXISTING CONTOOR	RIVER BASIN: CATAWBA RIVER RECEIVING WATERSHED: BRIAR CREEK	1 1 33 METROPOLITAN AVE.
ROPOSED CONTOUR	GENERAL NOTES:	SUITE 619 CHARLOTTE, NC 28204
	I. NO ON-SITE LAND CLEARING AND INERT DEBRIS (LCID) LANDFILLS SHALL BE	CHARLOTTE, NO 20204
	PERMITTED ON THIS SITE. 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES	
AVE /COMMON OPEN SPACE	BOTH ABOVE AND BELOW GROUND PRIOR TO ANY ANY EARTH MOVING ACTIVITIES.	
JIACL	THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION AND/OR REMOVAL OF ANY EXISTING UTILITY THAT IS IN THE WAY OF NEW CONSTRUCTION.	
MMON OPEN SPACE	THIS WORK SHALL INCLUDE THE COORDINATION WITH ALL EFFECTED UTILITY COMPANIES. UTILITIES AS SHOWN ON THESE PLANS MAY OR MAY NOT BE	
	CORRECTLY LOCATED. 3. TREES WITHIN THE STREET R.O.W ARE PROTECTED BY LAW. A PERMIT IS REQUIRED	
OPOSED ADDITIONAL	FOR REMOVAL BY THE CITY OF CHARLOTTE LANDSCAPE MANAGEMENT AT	PROJECT:
S.W.I.M. BUFFER	(704-336-4262). All trees over 8" in diameter (4.5' Above ground) in the Setback area are protected by LAW. A permit is required for removal by	WESTMINSTER
j I I	CITY ENGINEERING. 4. BEFORE YOU DIG STOP. CALL THE NC ONE-CALL CENTER AT 1-800-632-4949.	PARK
	IT'S THE LAW. 5. IF THE SAME PERSON CONDUCTS THE LAND-DISTURBING ACTIVITY & ANY RELATED	
	BORROW OR WASTE ACTIVITY, THE RELATED BORROW OR WASTE ACTIVITY SHALL CONSTITUTE PART OF THE LAND-DISTURBING ACTIVITY UNLESS THE BORROW OR	
	WASTE ACTIVITY IS REGULATED UNDER THE MINING ACT OF 1971, OR IS A	PREPARED BY:
	LANDFILL REGULATED BY THE DIVISION OF WASTE MANAGEMENT. IF THE LAND-DISTURBING ACTIVITY AND ANY RELATED BORROW OR WASTE ACTIVITY ARE	
	NOT CONDUCTED BY THE SAME PERSON, THEY SHALL BE CONSIDERED SEPARATE LAND-DISTURBING ACTIVITIES AND MUST BE PERMITTED EITHER THRU THE	Wirth & Associates
	SEDIMENTATION POLLUTION CONTROL ACT AS A ONE-USE BORROW SITE OR	LANDSCAPE ARCHITECTS AND LAND PLANNERS 1230 W. Morehead St. Suite 212
WAY /	THROUGH THE MINING ACT.6. SEE DESIGN CALCULATIONS FOR DRAINAGE AREA MAP.	Charlotte, NC 28208 Phone: 704–375–1588 Fax: 704–375–3844 Email: gwirth O wirthassociates.com
045 5200 K /	CRADING NOTES.	
A ST	GRADING NOTES:	THS RD
[_1]	1. APPROVAL OF THIS PLAN IS NOT AN AUTHORIZATION TO GRADE ADJACENT PROPERTIES. WHEN FIELD CONDITIONS WARRANT OFF-SITE GRADING, PERMISSION	SELWIN AVE QUEENS PO
-1	MUST BE OBTAINED FROM THE AFFECTED PROPERTY OWNERS. 2. CROSS PITCH SIDEWALKS 1/4" PER FOOT TOWARDS THE CURB TO ASSURE	SELMM 20 3
; 1	POSITIVE DRAINAGE. 3. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE CITY	SELVIM AVE PROVIDERICE RD
Р ѕбин	OF CHARLOTTE LAND DEVELOPMENT STANDARDS AND CDOT SPECIFICATIONS WHEN WORKING IN THE ROW.	₹ \$
RIM=62097	4. EXISTING CONTOURS SHOWN ARE TWO FOOT INTERVALS. ANY DISCREPANCIES	A States
N=616.67	SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND/OR OWNERS REPRESENTATIVE.	
	5. ALL PROPOSED GRADES SHOWN ARE TO FINISH GRADE. ALL SPOT GRADES ARE TO FINISHED SURFACES, EDGE OF PAVEMENT, BACK OF CURB, AND FINISHED	BRIAR CREEK
	GROUND UNLESS OTHERWISE INDICATED. 6. SUB-SURFACE DRAINAGE FACILITIES MAY REQUIRED BE IN THE STREET	VICINITY MAP n.t.s.
19 1 and a start	RIGHT-OF-WAY IF DEEMED NECESSARY BY THE INSPECTOR. 7. ALL ROAD IMPROVEMENTS ALONG SHARON ROAD ARE TO BE COORDINATED WITH	
N 1 6 manual	THE CITY OF CHARLOTTE ENGINEERING DEPARTMENT PRIOR TO CONSTRUCTION.	0 15 30 60
A F	8. NON-STANDARD ITEMS (IE: PAVERS, IRRIGATION SYSTEMS, ECT.) IN THE RIGHT OF WAY REQUIRE A RIGHT OF WAY ENCROACHMENT AGREEMENT WITH THE	(population)
	CHARLOTTE DEPARTMENT OF TRANSPORTATION BEFORE INSTALLATION. 9. ASSURE POSITIVE DRAINAGE AWAY FROM BUILDING PADS.	\downarrow I INCH = 30 ft.
	I O.COORDINATE ALL CURB AND STREET GRADES ALONG SHARON ROAD WITH THE	
1) /	INSPECTOR PRIOR TO BEGINNING WORK IN THE ROW. I I .IN ORDER TO ASSURE PROPER DRAINAGE, KEEP A MINIMUM SLOPE OF 0.5%	
1/1	SLOPE ON THE CURB. 12.SURFACE DRAINAGE FACILITIES MAY BE REQUIRED IN THE STREET RIGHT-OF-WAY	NUMETH CARO
X	IF DEEMED NECESSARY BY THE INSPECTOR 13.SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN	
///	10' REQUIRE ADEQUATE TERRACING [CLDSM #30.16].	No. 41 1 13.201
	14. THE PURPOSE OF THE STORM DRAIN EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA.	
/ / Common Open	ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.	Carl Be Roll I
SPACE	PCO NOTES:	······································
1	1. SEE SHEET L5.2 FOR PCO REQUIREMENTS, NATURAL AREAS AND PCO SUMMARY.	
/		
	FLOODPLANE DEVELOPMENT NOTES:	
OP OF BERM	1. ANY BUILDING WITHIN THE 100+1 STORM WATER ELEVATION LINE IS SUBJECT TO THE RESTRICTIONS OF THE (CITY OF CHARLOTTE/MECKLENBURG COUNTY)	
30.5	SUBDIVISION ORDINANCE, SECTION 7.200.8. 2. ANY CONSTRUCTION OR USE WITHIN THE FUTURE CONDITIONS FLOOD FRINGE LINE	
OTTOM OF BERM 26.0	IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOOD WAY REGULATIONS OF THE CITY OF CHARLOTTE AND MECKLENBURG COUNTY.	
	3. THE FUTURE CONDITIONS FLOOD FRINGE ELEVATION IS 622.2. THE FLOOD	
ERM SLOPES	PROTECTION ELEVATION FOR LOTS 1,2 3 AND 4 SHALL BE 623.2. 4. THE COMMUNITY ENCROACHMENT LINE SHALL BE CLEARLY MARKED ON THE SITE	
	PRIOR TO ANY GRADING AND THE MARKED LINE MUST BE MAINTAINED ON THE SITE UNTIL FINAL GRADING IS COMPLETE.	
OP OF BERM	5. CERTIFICATION OF FILL PLACEMENT IS REQUIRED AFTER CONSTRUCTION. 6. ELEVATION CERTIFICATION WILL BE REQUIRED PRIOR TO ISSUANCE OF CERTIFICATE	DRAWN BY: ECM
32.5	OF OCCUPANCY.	CHECKED BY: ECM
OTTOM OF BERM	S.W.I.M BUFFER NOTES:	
	1. THE STREAM SIDE ZONE OF THE BUFFER MUST BE LEFT COMPLETELY	SCALE: <u> "=30'</u>
	UNDISTURBED. IN THE MANAGED USE ZONE, A LIMITED NUMBER OF TREES CAN BE REMOVED PROVIDED THAT THE TREE DENSITY REMAINING IS A MINIMUM OF	DATE: 04.15.2014
	8 HEALTHY TREES OF A MINIMUM G-INCH CALIPER PER 1,000 SQUARE FEET. REMOVAL OF EXISTING VEGETATION MUST BE PERFORMED IN SUCH A MANNER	REVISIONS:
	AS TO PREVENT DAMAGE TO THE ROOTS OF REMAINING TREES. 2. PLANS CLEARLY INDICATE THAT NO FILL MATERIAL IS TO BE BROUGHT INTO THE	NO: DATE: DESCRIPTION: BY:
LOPE ACROSS EDGE OF AVEMENT AT NEW STREET	BUFFER AND THAT NO STRUCTURES ARE ALLOWED WITHIN ANY OF THE BUFFER	1. 06.03.14 FLOOD CROSS-SECTION ECM
6 3.5%	SQUARE FEET).	ADDED 2. 07.03.14 PER SUBDIVISION ECM
	3. GRADING AND OTHER LAND DISTURBING ACTIVITIES ARE ALLOWED ONLY IN THE UPLAND ZONE; HOWEVER, THESE ACTIVITIES MUST BE PERFORMED IN SUCH A	COMMENTS
\mathbf{X}	MANNER AS TO PREVENT DAMAGE TO ROOTS OF REMAINING TREES. GRASS OR OTHER SUITABLE GROUND COVER CAN BE APPLIED TO THE UPLAND ZONE.	
	4. THE OUTSIDE OF THE BUFFER MUST BE CLEARLY MARKED WITH ORANGE FABRIC	
I/I_{B}	FENCING PRIOR TO ANY LAND DISTURBING ACTIVITIES (GRADING, TREE CUTTING OR STUMP REMOVAL, ECT.) AT THE SITE AND THIS FENCING MUST BE CALLED	
	OUT ON THE PLANS. 5. SEE SHEET L2.0 FOR 50% ADDITIONAL S.W.I.M. BUFFER REQUIREMENTS.	
	FEMA FLOOD PLAIN DATA:	
IT Start	FIRM COMMUNITY NUMBER: 370159	
///31	FIRM PANEL NUMBER: 4552 K FIRM EFFECTIVE DATE: FEBRUARY 19, 2014	SHEET TITLE:
$\mathcal{I}_{I_{I_{I_{I_{I_{I_{I_{I_{I_{I_{I_{I_{I_$		
		GRADING PLAN
		SHEET NO .:
		L4.0
		PROJECT NO .:











PROJECT NO .:

