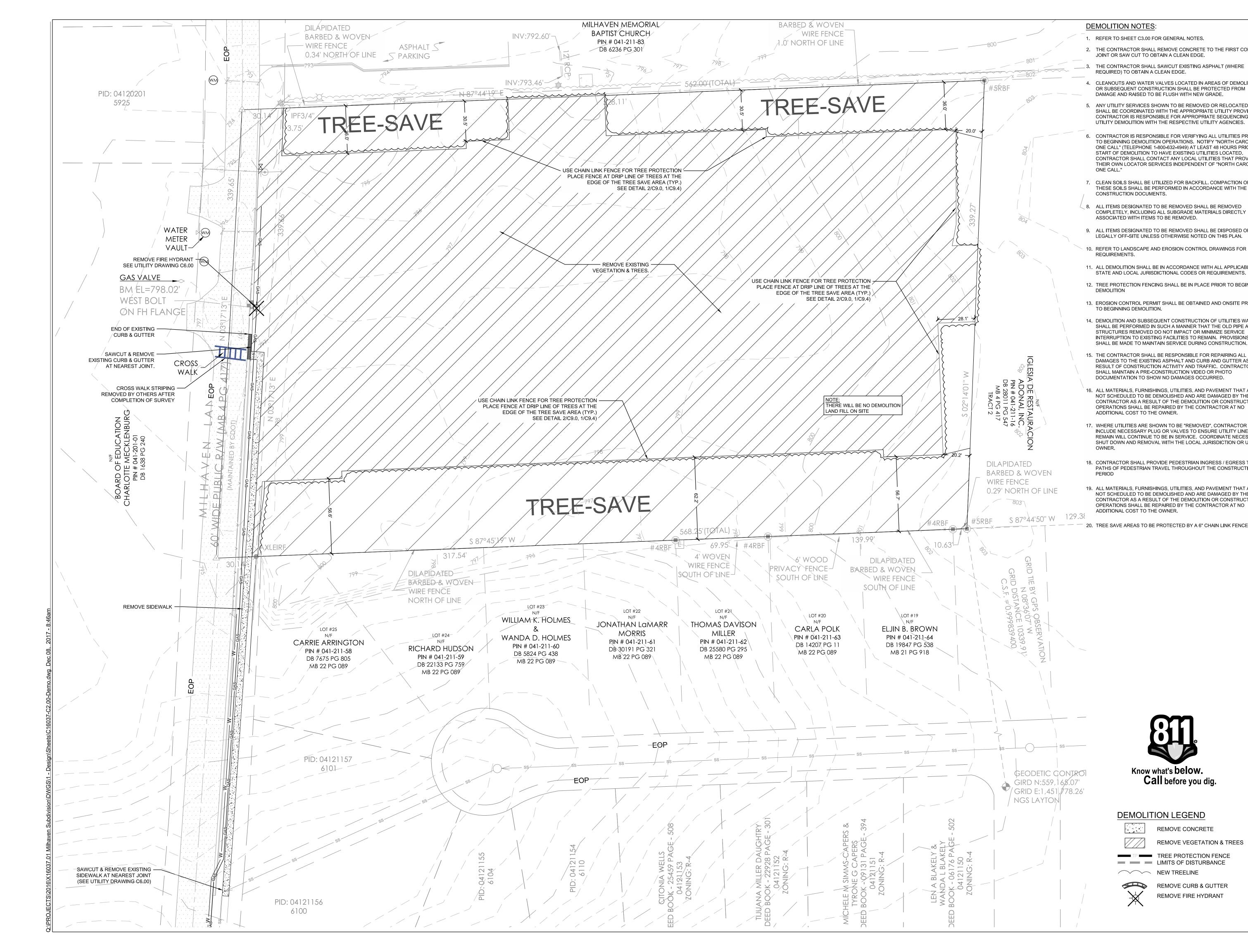
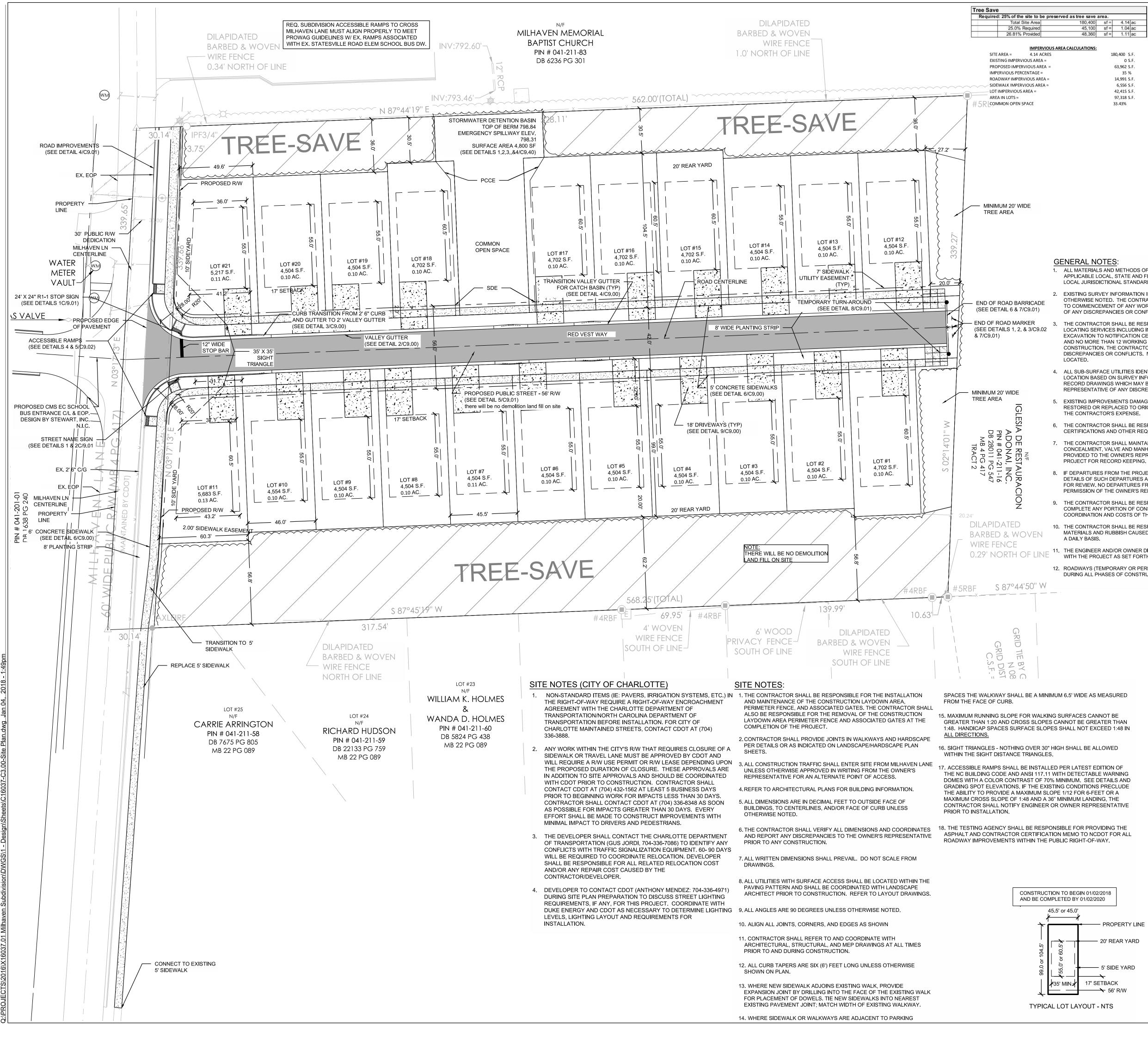


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SDRSF-2017-00068		Project: MILHAVEN LANE SUBDIVISION 5930 MILHAVEN LANE
FINAL APPROVAL	APPROVED	CHARLOTTE, NC 28269
/ DETENTION / DRAINAGE PLAN ROSION CONTROL RBAN FORESTRY ORDINANCE	By mark chapman at 3:47 pm, Jan 08	3, 2018 Million Lane Sebdivision Junear Columber Occurrent Sebdivision
E: SCHEDULE PRE-CONSTRUCTION MEETING EAST 48 HRS. PRIOR TO ANY LAND URBING ACTIVITY USING THE ONLINE A AT http://development.charmeck.org APPROVED F CONSTRUCT CHARLOTTE-MECKLENBURG PLANNIN By: Joshua Weaver 1-8-20	ION NG DEPARTMENT	Issued for:
SHEET IND C1.00	EXISTING CONDITIONS PLAN DEMOLITION PLAN SITE PLAN TRAFFIC CONTROL PLAN INTERSECTION SIGHT DISTANCE EROSION CONTROL PLAN PHASE 1 EROSION CONTROL PLAN PHASE 2 BROSION CONTROL PLAN PHASE 3 CRADING & STORM DRAINAGE PLAN RED VEST WAY PLAN & PROFILE MILHAVEN LANE CROSS-SECTIONS MILHAVEN LANE CROSS-SECTIONS MILHAVEN LANE CROSS-SECTIONS SITE DETAILS SITE DETAILS SITE DETAILS GRADING & STORM DRAINAGE DETAILS SITE DETAILS GRADING & STORM DRAINAGE DETAILS STORM DRAINAGE DETAILS CRADING & STORM DRAINAGE DETAILS CORDING & STORM DRAINAGE DETAILS	No. Date Description





as tree save area.	ZONING CODE SUMMARY:
180,400 sf = 4.14 ac 45,100 sf = 1.04 ac	PROJECT NAME: MILHAVEN LANE SUBDIVISION
48,360 sf = 1.11 ac	OWNER: HABITAT FOR HUMANITY PHONE:
	PLANS PREPARED BY: <u>STEWART, INC.</u> PHONE: 704-334-7925
CALCULATIONS:	ZONING: <u>R-4</u> JURISDICTION: <u>CHARLOTTE</u>
180,400 S.F.	PROPOSED USE:
0 S.F.	BUILDING HEIGHT: ft. STORIES:
63,962 S.F.	BUILDING COVERAGE: sf. GROSS FLOOR AREA: sf.
35 % 14,991 S.F.	LOT SIZE: <u>4.14</u> oc. NUMBER OF UNITS/SUITES: <u>21 LOTS</u>
6,SS6 S.F.	TAX PARCEL ID: 04121117 LOT DENSITY: 4 LOTS/ACRE
42,41S S.F.	(R-5 CLUSTER LOT SIZES USED BY PROVIDING MORE THAN 25% TREE SAVE AREA.)
97,318 S.F. 33.43%	(ALLOWABLE LOTS = SITE AREA+TREE SAVE AREA X 4 = (4.14+1.11)×4=21 LOTS)
	YARD REQUIREMENTS: (PRIMARY STRUCTURE)
	Setback (front):17ft. Setback (garage):20ft.Side Yard:5ft. Side Yard (corner):10ft.Rear Yard:20ft.
	YARD REQUIREMENTS: (ACCESSORY STRUCTURE)
	Side Yard (r): <u>5</u> ft. Side Yard (I): <u>5</u> ft. Rear Yard: <u>20</u> ft.
	REQUIRED BUFFERS:
	Front: NO ft. Rear: NO ft. Side (I): NO ft. Side (r): NO ft.
	REQUIRED SCREENING:
	Front: NO Rear: NO Side (I): NO Side (r): NO Parking Only: NO HVAC Units: NO
	PAVEMENT COVERAGE: <u>14,991</u> sf.
	AREA IN R/W: 0.25 ocres
	PARKING DATA: NA
	ALL SIGNAGE WILL BE APPROVED AND PERMITTED SEPARATELY.

ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH NCDEQ, AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES. ALL UTILITY CONSTRUCTION SHALL COMPLY WITH APPLICABLE LOCAL JURISDICTIONAL STANDARDS AND SPECIFICATIONS.

2 EXISTING SURVEY INFORMATION INCLUDING TOPOGRAPHIC INFORMATION PROVIDED BY HENSON FOLEY, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES INCLUDING INDEPENDENT LOCATING SERVICES. THE CONTRACTOR SHALL PROVIDE NOTICE OF EXCAVATION TO NOTIFICATION CENTER AND FACILITY OWNERS (PER NC STATUTE) NO LESS THAN 3 BUSINESS DAYS AND NO MORE THAN 12 WORKING DAYS PRIOR TO BEGINNING DEMOLITION, EXCAVATION OR ANY OTHER FORM OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS. NO EXCAVATION OR DEMOLITION SHALL BE STARTED WITHOUT ALL UTILITIES BEING

4. ALL SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES OR CONFLICTS.

EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING PERMITS, INSPECTIONS, CERTIFICATIONS AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT

THE CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS TO RECORD THE ACTUAL LOCATION OF ALL PIPING PRIOR TO CONCEALMENT, VALVE AND MANHOLE CHANGES, AND HARDSCAPE OR LANDSCAPE CHANGES. DRAWINGS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT REGULAR INTERVALS. OR AS REQUESTED THROUGHOUT THE

IF DEPARTURES FROM THE PROJECT DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THERE OF SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY LINES REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF THE RELOCATION AND ASSOCIATED WORK.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON

0.29' NORTH OF LINE 11. THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE DI AND

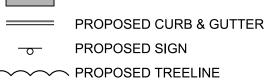
12. ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.

PCCO SUMMARY			
Original Parcel ID Number(s):	4121117		
Development Type:	Single-Family		
Subject to PCCO? Y/N	Y		
If NO, why?	Click for Dropdown		
Watershed:	Central Catawba		
Disturbed Area (ac):	3.45		
Site Area (ac):	4.14		
Total on-site Drainage Area (ac):	4.14		
Existing Built-upon-area (SF):	0		
Existing BUA to be removed (SF):	0		
Existing BUA to remain (SF):	0		
Proposed New BUA (SF):	1.47		
Proposed % BUA:	35%		
Density (High / Low)	High		
Total Post-Project BUA for site:	1.47		
Development or Redevelopment?	Development		
Natural Area Required (ac):	1.04		
Natural Area provided, total (ac):	1.11		
Undisturbed Treed Natural Area Preserved (ac):	1.11		
Total stream buffer protected on-site (ac):	0		
Transit Station Area? Y/N	No		
Distressed Business District? Y/N	No		
Mitigation Type (if applicable)	1-YR VOL / 10-YR Peak		
Natural Area mitigation? Y/N	No		
Buffer Mitigation? Y/N	No		
Total Phosphorous Mitigation? Y/N	Yes		

SITE LE	EGEND
	PROPOSE

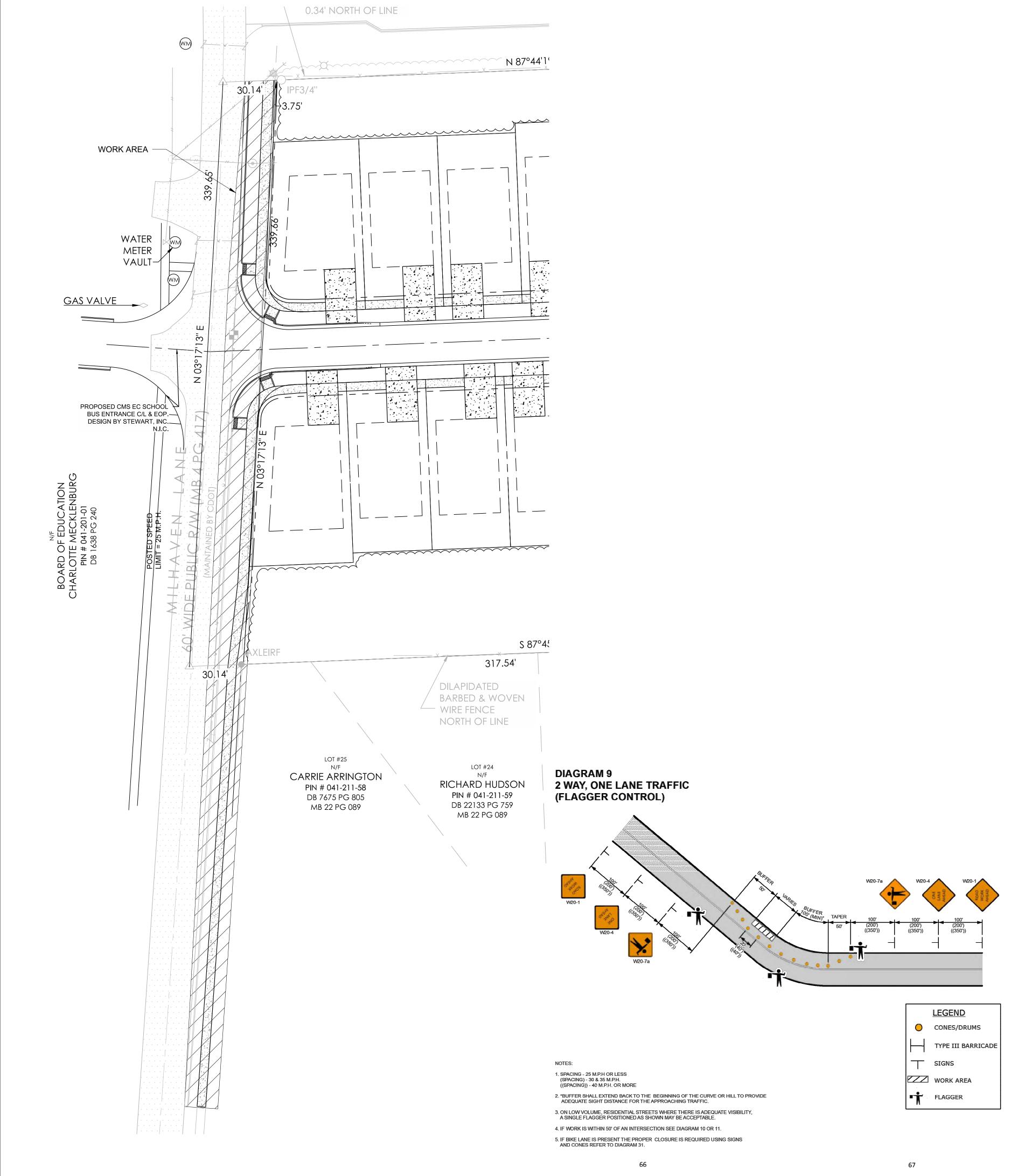
SED CONCRETE SIDEWALK PROPOSED STANDARD DUTY PAVEMENT

Approved by:



PROPOSED TREELINE TEMPORARY TURN-AROUND

STEWART
421 FAYETTEVILLE ST, STE 400 RALEIGH, NC 27601 T 919.380.8750 FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: X16037
Client:
Charlotte HABITAT FOR HUMANITY
3815 LATROBE DRIVE CHARLOTTE, NC 28211
Project:
MILHAVEN
LANE SUBDIVISION
5930 MILHAVEN LANE CHARLOTTE, NC 28269
Vicinity map:
Contraction of Contra
Rest Color Delunger
SUNBRIDGE SUNBRIDGE DELLINGER
Seal:
SEAL 16741
<i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i> <i>A</i>
Issued for:
No. Date Description
0 15 30 60 NORTH 1"=30'
Title:
Site Plan
Project number: X16037 Sheet: Date: 10/17/2017
Drawn by: JGC C3.00



STANDARDS:

<u>STD. NO.:</u> 1101.02
1101.05
1110.01
1110.02 1130.01
1135.01
1145.01 1150.01
1180.01

NOTE

AND NOT TO BE ALTERED.

TRAFFIC CONTROL NOTES

- AND OPERATING AT ALL TIMES.
- HAZARDS.

- APPROPRIATELY.

- (WATCH).
- REQUIRED:
- CHANGES IN THE NORMAL TRAFFIC CONDITIONS.

THE FOLLOWING ROADWAY STANDARDS THAT APPEAR IN "ROADWAY STANDARD DRAWINGS - ENGLISH ".ROADWAY DESIGN UNIT, N.C. DEPARTMENT OF TRANSPORTATION, RALEIGH, N.C., DATED JANUARY 2002 AND THE LATEST REVISION THERETO ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS.

NCDOT STANDARD DRAWING TO BE USED:

TITLE:
 TEMPORARY LANE CLOSURES
 TRUCKS ENTERING HIGHWAY
 STATIONARY WORK ZONE SIGNS
 PORTABLE WORK ZONE SIGNS
 DRUM
 CONES
 BARRICADES
 FLAGGING DEVICES
 SKINNY-DRUM

THE ROAD FRONTAGE WILL ONLY BE ALTERED AS REQUIRED BY THE CITY AT THE "PRE-SUBMITTAL" MEETING AND TO CREATE NEW CURBS FOR ENTRY AND EXITING OF THE SITE. EXCEPT FOR THE NEW PLUMBING LINE FROM THE NEW 3" TAP TO THE CONTROL BUILDING, THE BUILDINGS ON THE SITE WILL BE SHOWN AS EXISTING

1. 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.

2. 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 CONTRACTOR DOING THE WORK SHALL PATROL THE WORK SITE AS REQUIRED TO ENSURE THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE

3. ALL TRAFFIC CONTROL SIGNS FOR THE WORK AREA 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).

4. AT NIGHT, ADEQUATE BARRICADES WITH REFLECTORIZED MATERIAL AND LIGHTS ARE REQUIRED TO CALL ATTENTION TO AND TO INDICATE THE ACTUAL LOCATION OF OBSTRUCTIONS AND

5. 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.

6. THE MINIMUM WIDTH FOR TEMPORARY TRAVEL LANES IS 10'; HOWEVER, A 12' LANE IS ADVISABLE AND SHOULD BE PROVIDED WHENEVER POSSIBLE.

7. WHENEVER TRAFFIC MUST BE ROUTED ACROSS THE CENTERLINE THE TWO DIRECTIONS OF TRAFFIC MUST BE PHYSICALLY SEPARATED. TRAFFIC CONES CAN BE EFFECTIVELY USED FO THIS PURPOSE DURING DAYLIGHT HOURS; REFLECTORIZED DRUMS MUST BE USED AT NIGHT.

8. TRAFFIC SHALL NOT BE ROUTED ACROSS CENTERLINE WITH CONES OR DRUMS DURING NON-WORKING HOURS. CONTRACTOR MUST BE ON SITE OR CHANGE PAVEMENT MARKING

9. THE CONTRACTOR DOING THE WORK SHALL PROVIDE FLAGGERS AND/OR POLICE CONTROL WHEN REQUIRED. CONTRACTOR MAY ALSO BE REQUIRED TO PROVIDE A UNIFORMED OFFICER TO CONTROL TRAFFIC WHEN WORKING IN AND AROUND A SIGNALIZED INTERSECTION.

10. EVERY ATTEMPT SHALL BE MADE TO SCHEDULE AND EXPEDITE THE WORK TO CAUSE THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC.

11. IN SITUATIONS NOT COVERED IN THIS DESIGN, THE PROTECTION OF THE TRAVELING PUBLIC AND THE PROTECTION OF THE WORKERS ON SITE WILL DICTATE THE MEASURES TO BE TAKEN CONSISTENT WITH THE CITY OF CHARLOTTE WORK AREA TRAFFIC CONTROL HANDBOOK

12. THE CONTRACTOR INVOLVED IN THE WORK IS RESPONSIBLE FOR NOTIFYING THE DEPARTMENT OF TRANSPORTATION 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

* CONSTRUCTION START DATE - 5 WORKING DAYS IN ADVANCE * CLOSING 1 OR MORE TRAVEL LANES - 5 WORKING DAYS PRIOR TO THE SCHEDULED WORK * CLOSING A STREET - 10 WORKING DAYS PRIOR TO THE SCHEDULED WORK.

THIS LEAD-TIME IS NECESSARY FOR PLANNING AND NOTIFYING THE PUBLIC OF EXPECTED

13. WHERE COMPLETE STREET CLOSURE IS NECESSARY, THE DEPARTMENT OF TRANSPORTATION WILL COORDINATE CLOSURE OF THE STREET AND FULLY SIGN A DETOUR ROUTE.

14. THE CITY ENGINEER OR DIRECTOR OF THE DEPARTMENT OF TRANSPORTATION 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 MET.

15. THIS DESIGN STANDARD CANNOT BE USED FOR ALL ROADWAY CONSTRUCTION SITUATIONS. IT IS INTENDED ONLY TO BE USED AS A GUIDELINE. SPECIFIC SITUATIONS MAY REQUIRE ENGINEERING JUDGMENT IN THE PLACEMENT OF TRAFFIC CONTROL DEVICES BECAUSE OF LIMITED VERTICAL AND/OR HORIZONTAL SIGHT DISTANCE.

16. WHEN PERSONNEL AND/OR EQUIPMENT ARE WITHIN 5' OF THE EDGE OF AN OPEN TRAVEL LANE, THE CONTRACTOR SHALL REFER TO THE WATCH FOR PROPER LANE CLOSURE.

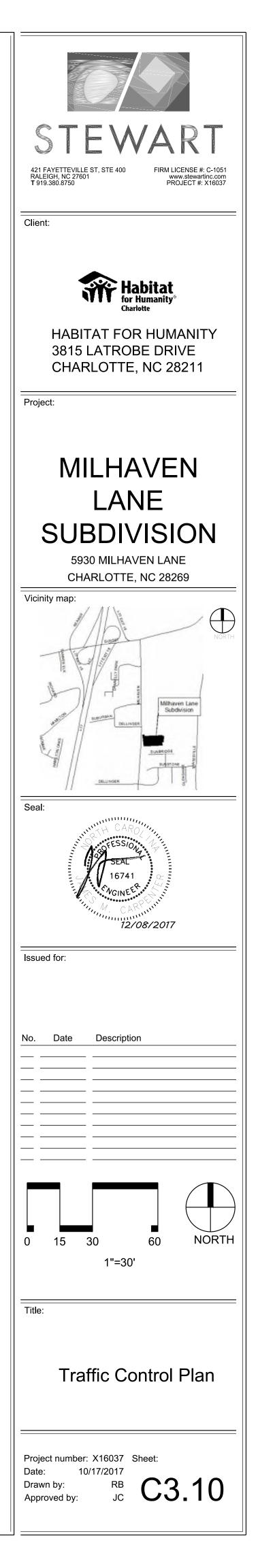
17. OPERATIONAL SIGNS ARE GENERALLY MOUNTED ON PORTABLE SUPPORTS. THESE ARE USUALLY USED FOR SHORT-TERM OPERATIONS TO WARN AND GUIDE TRAFFIC. ADVANCED WARNING SIGNS (CONSTRUCTION AHEAD) SHALL BE MOUNTED ON STATIONARY SUPPORTS SEVEN DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION OF THE ROADWAY.

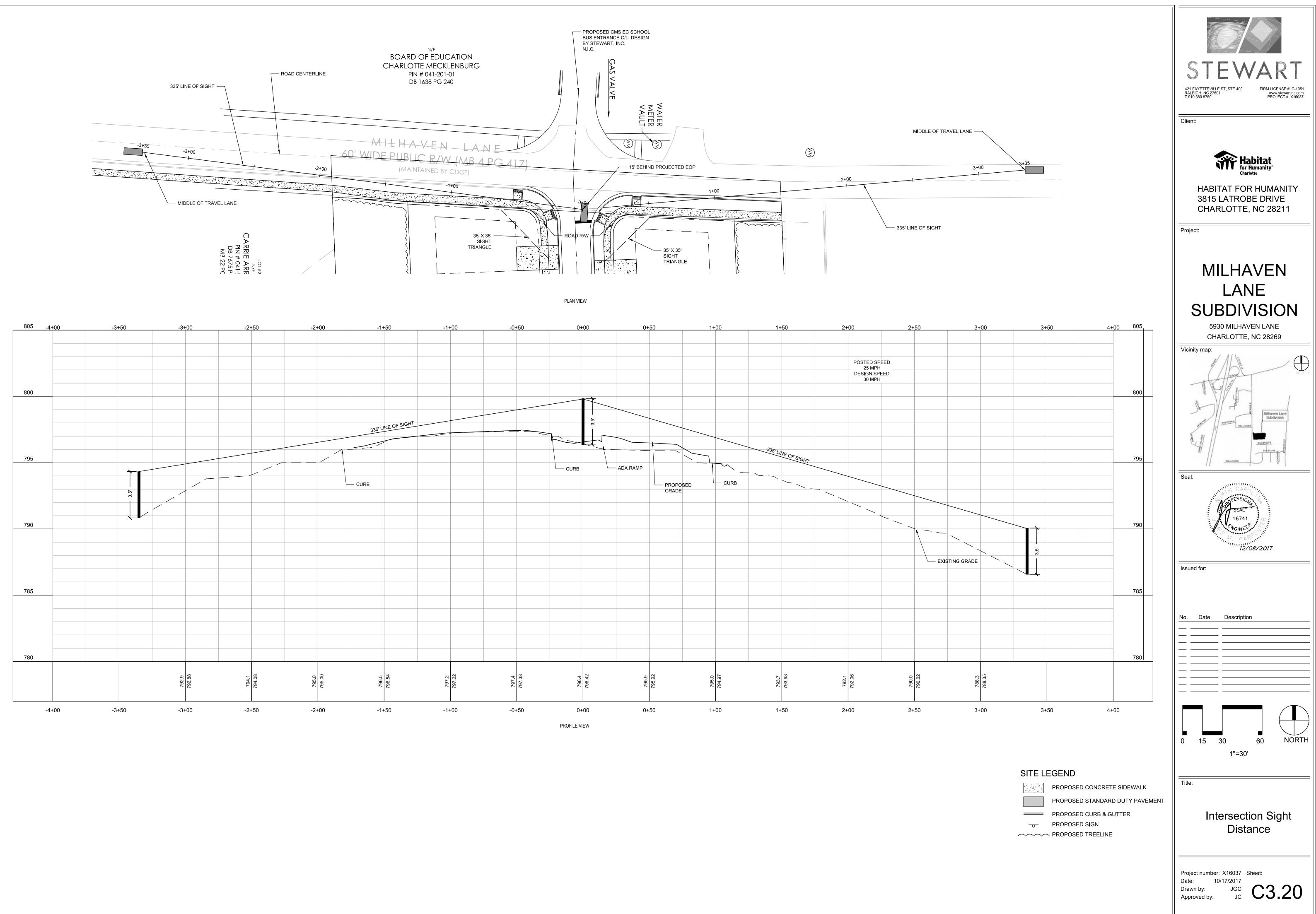
18. ALL DRUMS SHALL BE BALLASTED IN SUCH A MANNER THAT THEY WILL BE STABLE UNDER WIND AND VEHICLE ACTION. BALLASTING SHALL BE DONE WITH SANDBAGS OR OTHER YIELDING MATERIAL SITUATED IN THE BASE OF THE DRUMS.

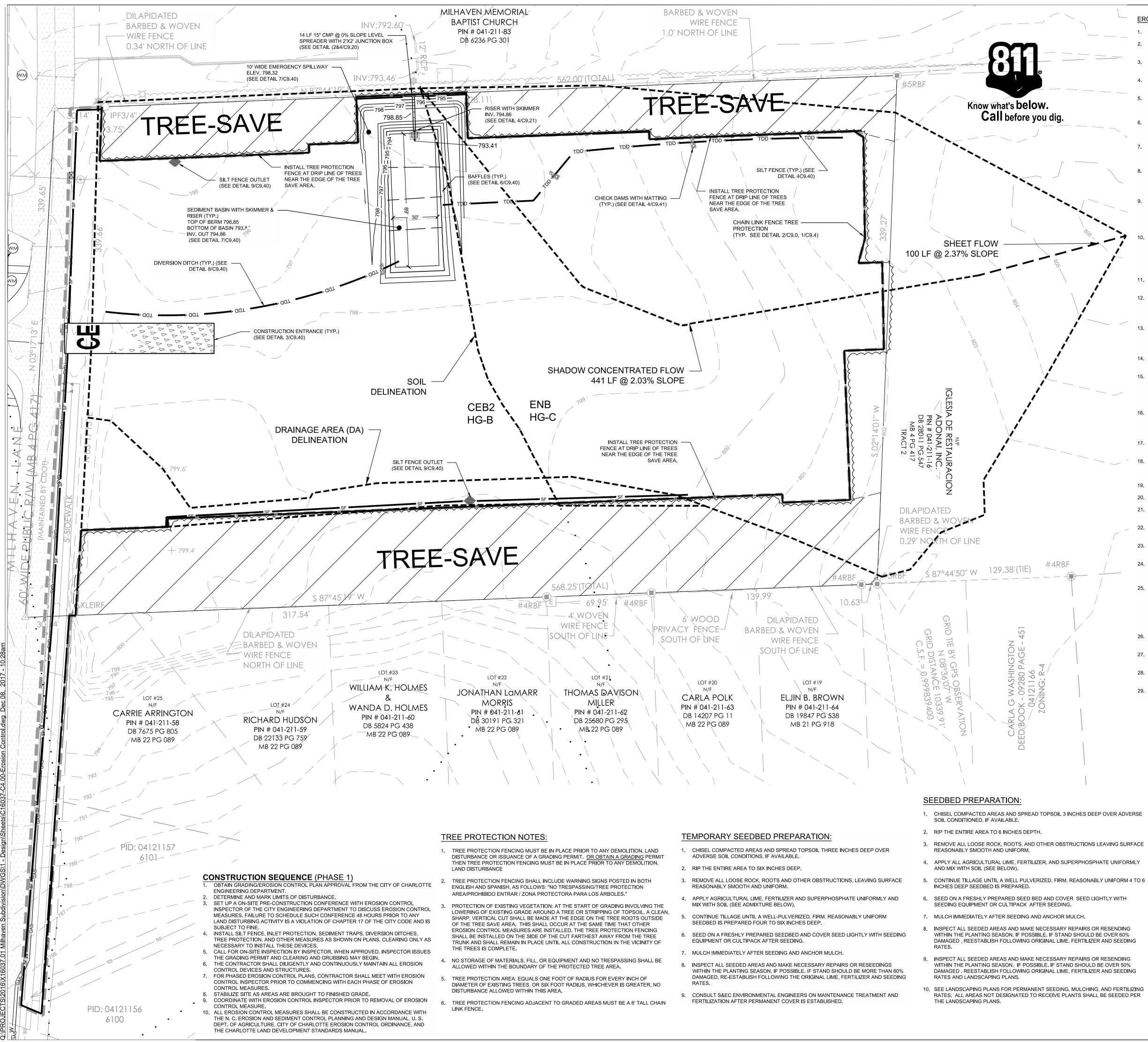
19. CONSTRUCTION WORK SHALL NOT BE ALLOWED ON BOTH SIDES OF THE ROAD SIMULTANEOUSLY WITHIN THE SAME AREA, UNLESS THE ROADWAY IS MEDIAN DIVIDED.

20. AT THE END OF EACH WORK DAY THE CONTRACTOR SHALL BACKFILL UP TO 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.

21. 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.







- WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED , REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING
- WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 50% DAMAGED , REESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER AND SEEDING
- 10. SEE LANDSCAPING PLANS FOR PERMANENT SEEDING, MULCHING, AND FERTILIZING RATES. ALL AREAS NOT DESIGNATED TO RECEIVE PLANTS SHALL BE SEEDED PER

EROSION CONTROL NOTES

- 1. REFER TO C3.0 FOR GENERAL NOTES.
- 2. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN BEST LOCATION BASED ON FIELD CONDITIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF CONSTRUCTION ENTRANCES AS NECESSARY TO PREVENT THE TRACKING OF SEDIMENT OFF-SITE.
- 5. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
- THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR AND ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
- DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE LIMITS OF DISTURBANCE (L.O.D.) SHALL BE PERMITTED. THE L.O.D. SHALL BE MAINTAINED BY THE ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G., ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
- HE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF THE PROJECT. COPIES OF THE WRITTEN INSPECTION REPORTS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE TWICE PER WEEK AND AFTER RAINS OF GREATER THAN 0.5". RAIN GAUGE REQUIRED ON SITE.
- 11. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A WEEK AND AFTER 0.5 RAINFALL EVENTS.
- 12. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- 13. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- 14. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE A MINIMUM THICKNESS OF 3 INCHES.
- 15. THE SURFACE OF AREAS SLOPES STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL THAT ARE TO RECEIVE INTERIM FILL SHALL BE PLOWED, FURROWED, TILLED OR BROKEN UP PRIOR TO PLACING FILL SO THAT FILL MATERIAL WILL BOND WITH THE EXISTING SURFACE. INTERIM FILL SHALL BE PLACED AS SPECIFIED FOR PERMANENT FILLS AND IN LIFTS NOT GREATER THAN 6".
- 16. PROVIDE DUST CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, WETTING DOWN TO CONTROL DUST ON SITE. IN ORDER TO PREVENT ANNOYANCE/AND OR DAMAGE TO ADJACENT SITES. CALCIUM CHLORIDE OR ANY OTHER CHEMICAL MATERIAL MAY NOT BE USED ON SUBGRADES OF AREAS TO BE SEEDED OR PLANTED.
- 17. SEDIMENT LADEN RUNOFF FROM EXCAVATIONS SHALL NOT BE PUMPED DIRECTLY TO STORM DRAINAGE.
- 18. ANY AREAS OF EXPOSED SOILS THAT WILL NOT BE DISTURBED FOR FOURTEEN DAYS SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
- 19. INTERIM SLOPES MAY BE GRADED TO A MAXIMUM SLOPE OF 2:1 (HORIZONTAL: VERTICAL). 20. FOR TEMPORARY SEEDING SCHEDULE, SEE DETAIL 4/C9.10)
- 21. ALL "STD." NUMBERS REFER TO THE CHARLOTTE LAND DEVELOPMENT STANDARDS MANUAL
- 22. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
- 23. 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.
- 24. 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
- 25. 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 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
- 26. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE CITY ENGINEERING DEPARTMENT.
- 27. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING (CLDS 30.16)
- 28. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
- 29. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.

ADMIXTURES

AGRICULTURAL LIMESTONE: 2 TONS/ACRE

FERTILIZER: 1,000 LBS/ACRE - 10-10-10

SUPERPHOSPHATE: 500 LBS/ACRE - 20% ANALYSIS

MULCH: 2 TONS/ACRE - SMALL GRAIN STRAW

ANCHOR: ASPHALT EMULSION AT 300 GALS/ACRE

ACCORDANCE WITH NORTH CAROLINA

EROSION CONTROL SPECIFICATIONS

TOTAL AREA OF DISTURBANCE 3.27 ac

EROSION CONTROL LEGEND

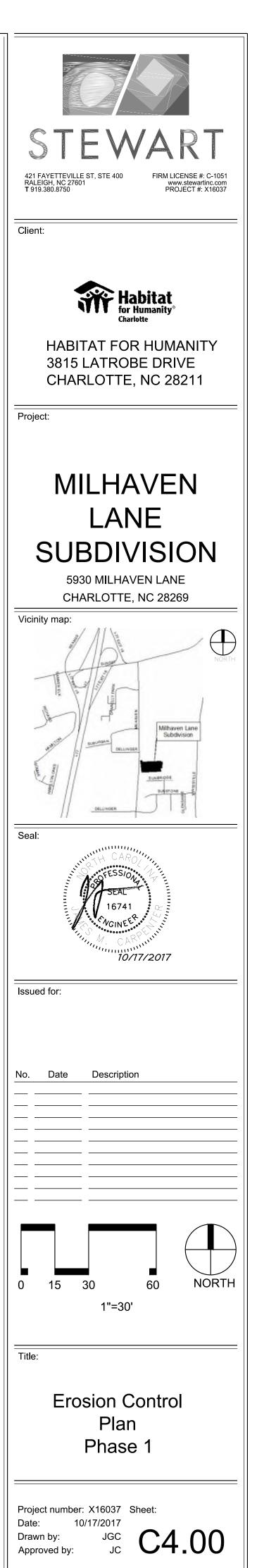
-> TDD ---- TEMPORARY SILT DITCH

LIMITS OF DISTURBANCE

CHECK DAM

SILT FENCE

ALL CONSTRUCTION SHALL BE IN

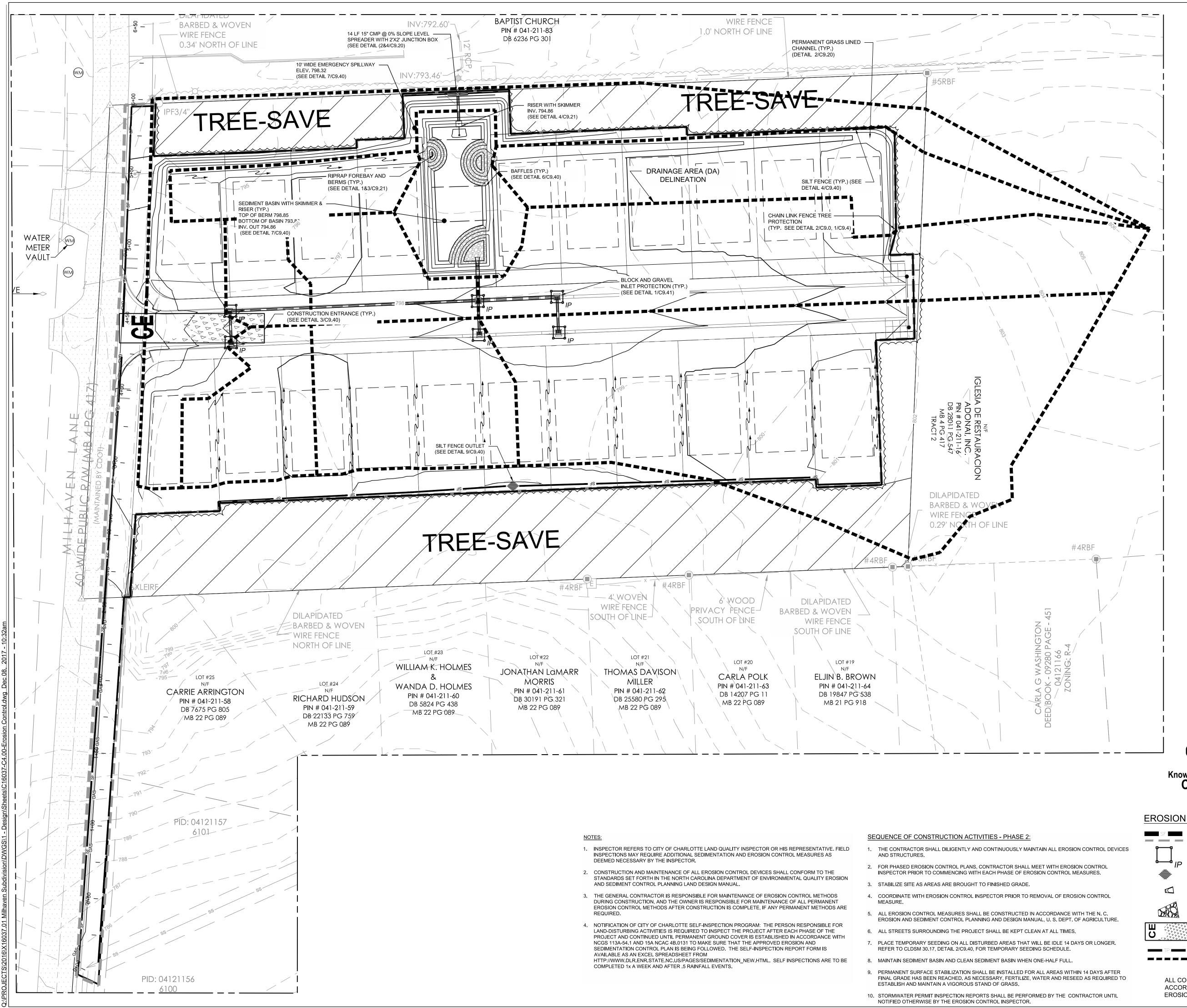


SILT FENCE OUTLET

TREE PROTECTION

TEMPORARY CONSTRUCTION ENTRANCE

DRAINAGE AREA DELINEATION SOIL AREA DELINEATION





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

EROSION CONTROL LEGEND

SILT FENCE

- SILT FENCE OUTLET IC
 - FLARED END SECTION (FES)

LIMITS OF DISTURBANCE

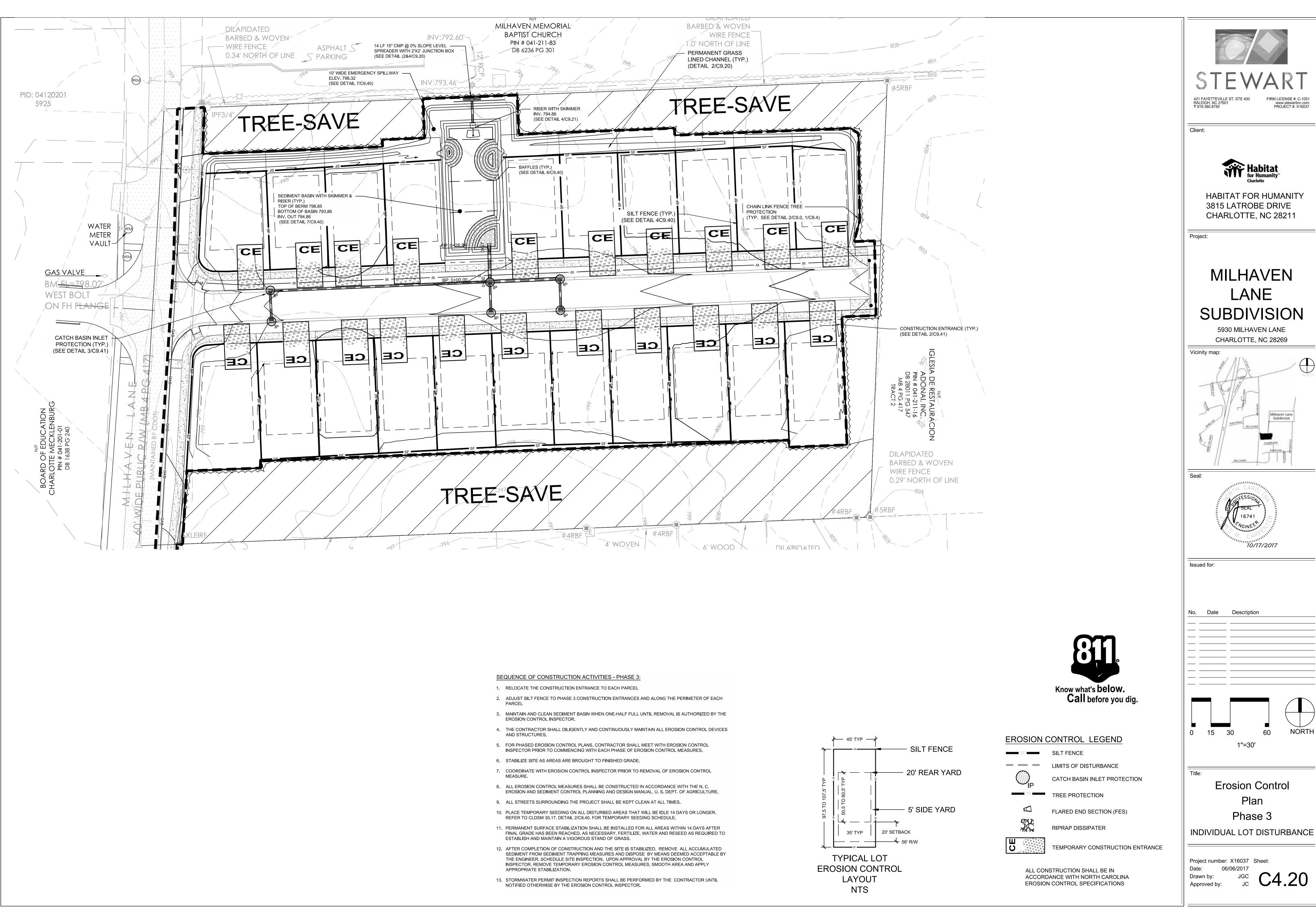
- **RIPRAP APRON**
- TEMPORARY CONSTRUCTION ENTRANCE

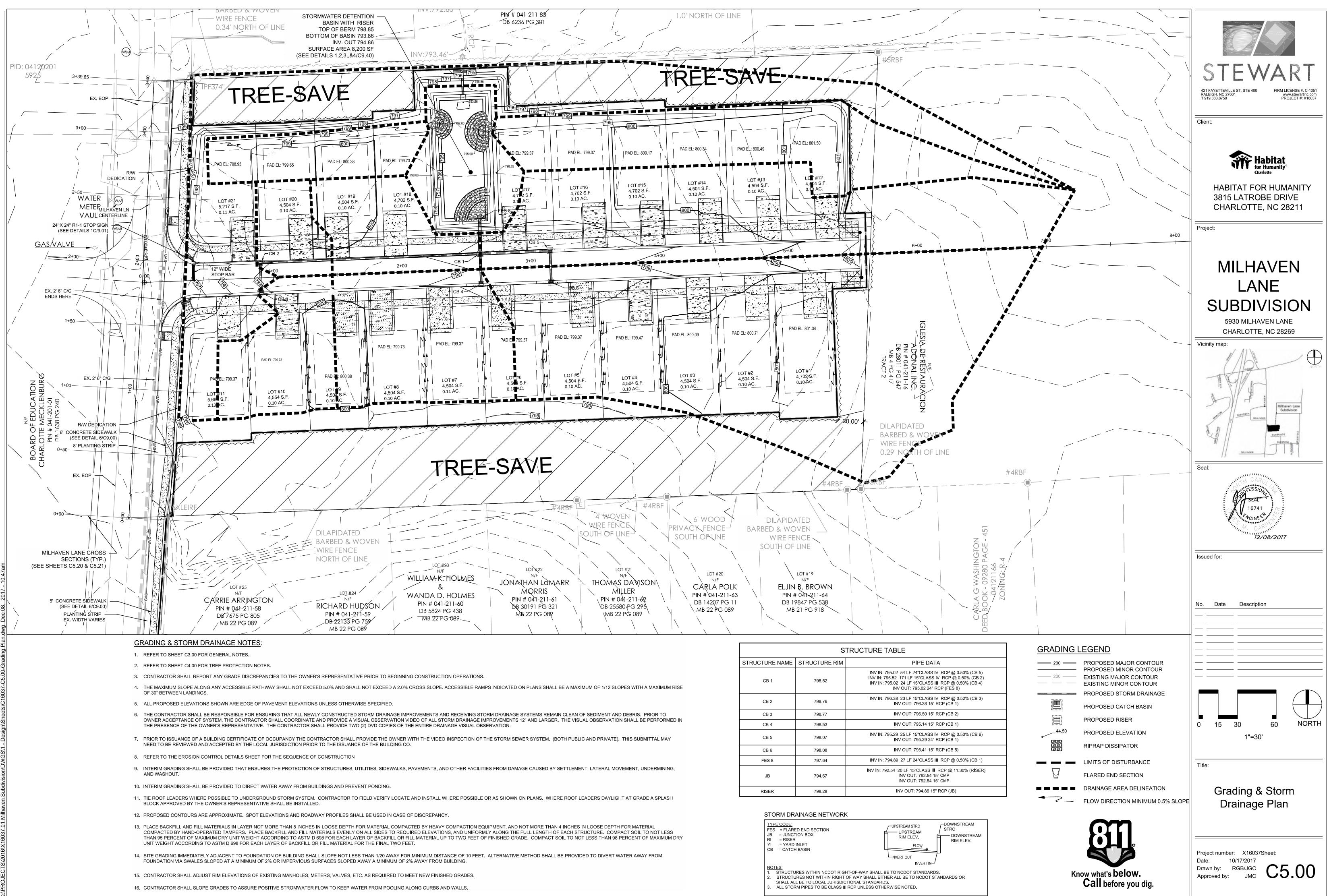
BLOCK & GRAVEL INLET PROTECTION

TREE PROTECTION DRAINAGE AREA DELINEATION

> ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA EROSION CONTROL SPECIFICATIONS

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Client:
HABITAT FOR HUMANITY Sats LATROBE DRIVE CHARLOTTE, NC 28211 Project:
MILHAVEN
LANE
SUBDIVISION
5930 MILHAVEN LANE
CHARLOTTE, NC 28269
NORTH
AND DELONGER
Seal:
16741 16741 16741 16741 10/17/2017
Issued for:
No. Date Description
0 15 30 60 NORTH 1"=30'
Title:
Erosion Control Plan Phase 2
Project number: V16007 Objects
Project number: X16037 Sheet: Date: 10.17.2017 Drawn by: JGC Approved by: JC

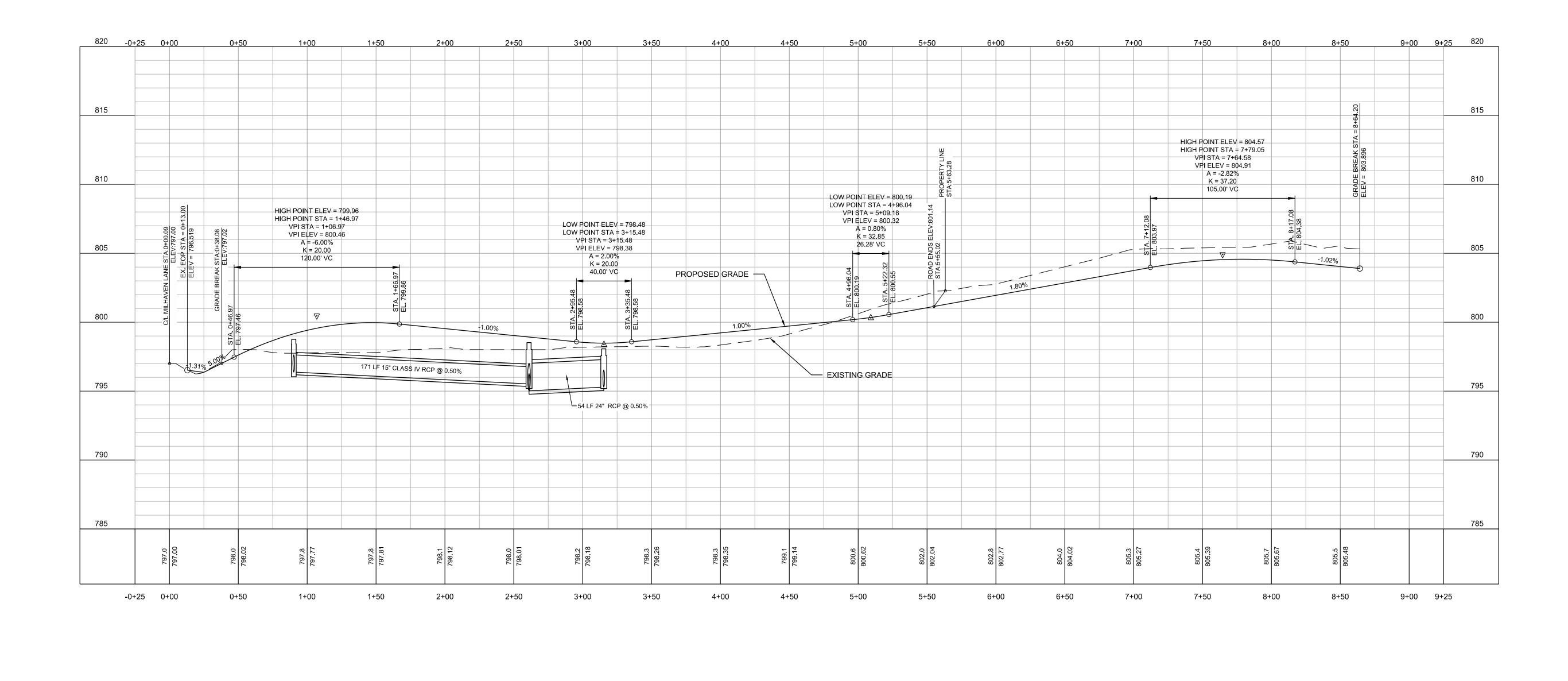




TION OPERATIONS.	

STRUCTURE TABLE		
STRUCTURE NAME	STRUCTURE RIM	PIPE
CB 1	798.52	INV IN: 795.02 54 LF 24"CL/ INV IN: 795.52 171 LF 15"CL INV IN: 795.02 24 LF 15"CL INV OUT: 795.02
CB 2	798.76	INV IN: 796.38 23 LF 15"CL/ INV OUT: 796.3
CB 3	798.77	INV OUT: 796.50
CB 4	798.53	INV OUT: 795.14
CB 5	798.07	INV IN: 795.29 25 LF 15"CL INV OUT: 795.2
CB 6	798.08	INV OUT: 795.4
FES 8	797.64	INV IN: 794.89 27 LF 24"CL
JB	794.67	INV IN: 792.54 20 LF 15"CLA: INV OUT: 792 INV OUT: 792
RISER	798.28	INV OUT: 794.8

ΓYPE	E CODE:		
ES			
JB RI	= JUNCTION BOX = RISER		RIM ELEV.
YI	= YARD INLET		FLOW
СВ	= CATCH BASIN	Ц	TLOW
			INVERT OUT
			INVERT
IO	<u>ES:</u>		
	STRUCTURES WITHIN NCDOT RIGHT-OF-WAY SHALL E STRUCTURES NOT WITHIN RIGHT OF WAY SHALL EITH		



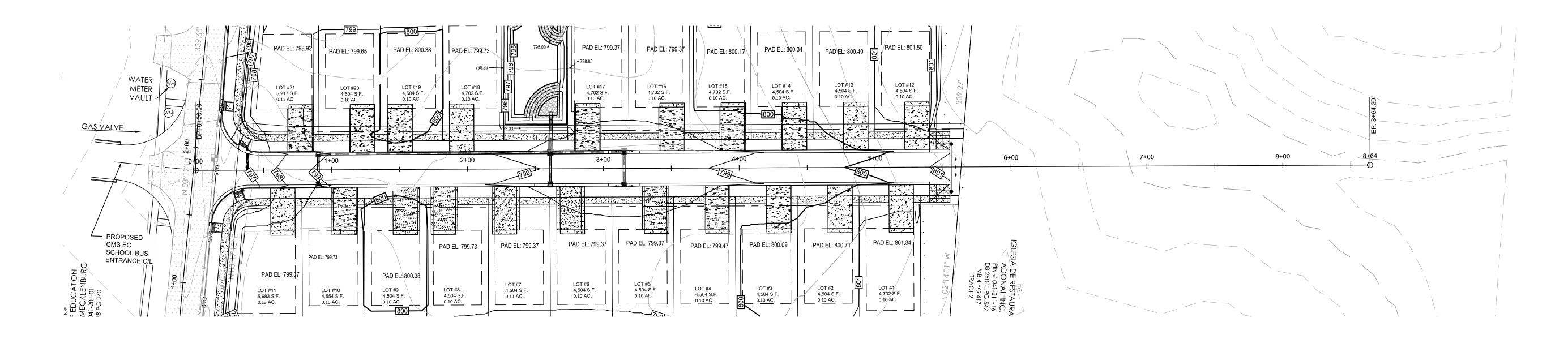
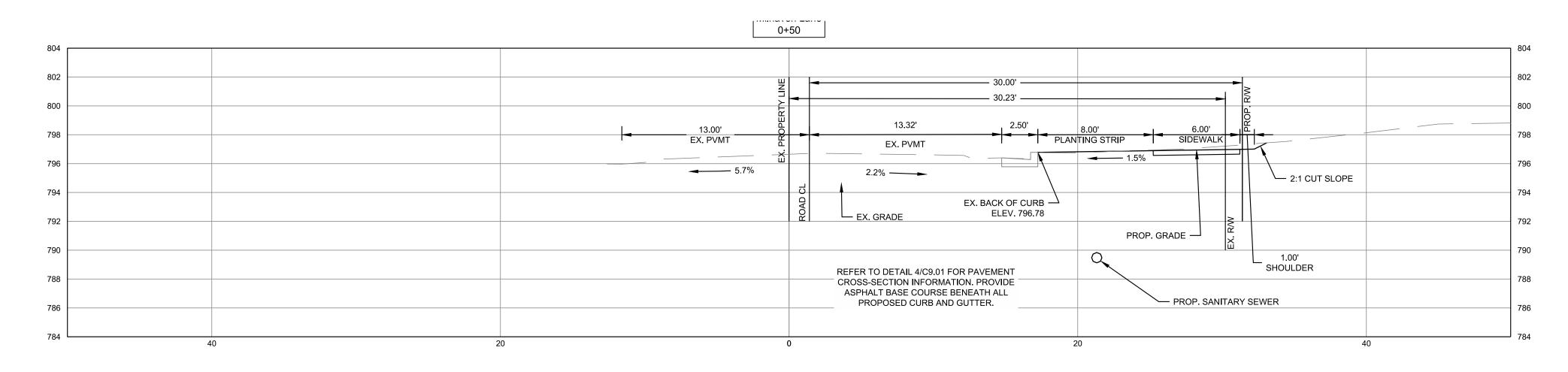
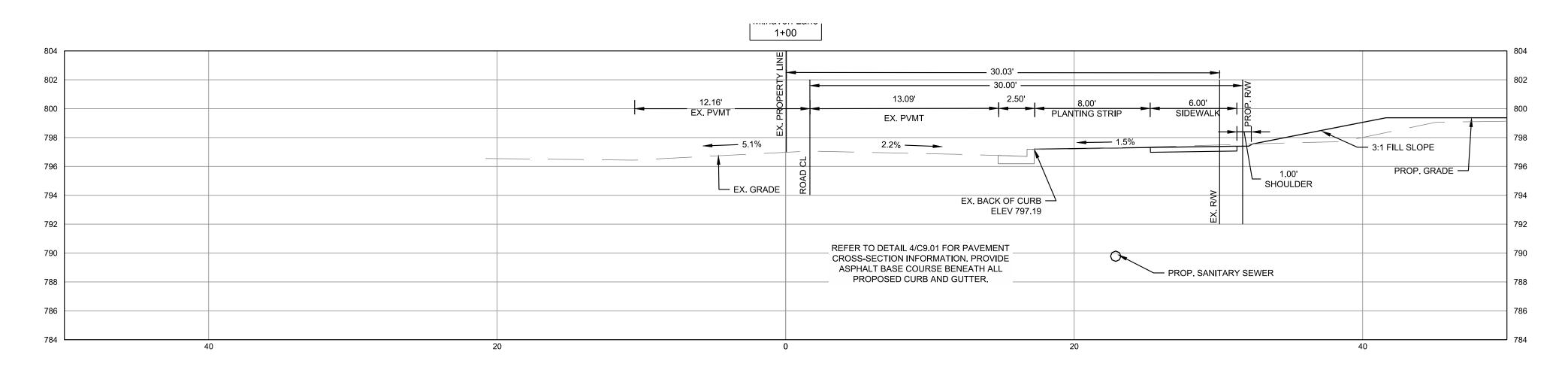


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Client:
Habitat
Habitat for Humanity®
HABITAT FOR HUMANITY 3815 LATROBE DRIVE
CHARLOTTE, NC 28211
Project:
MILHAVEN
LANE
SUBDIVISION
5930 MILHAVEN LANE
CHARLOTTE, NC 28269
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12/08/2017
Issued for:
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Plan & Profile
Project number: X16037 Sheet:
Date: 10/17/2017 Drawn by: RGB
Drawn by: RGB Approved by: JMC C5.10

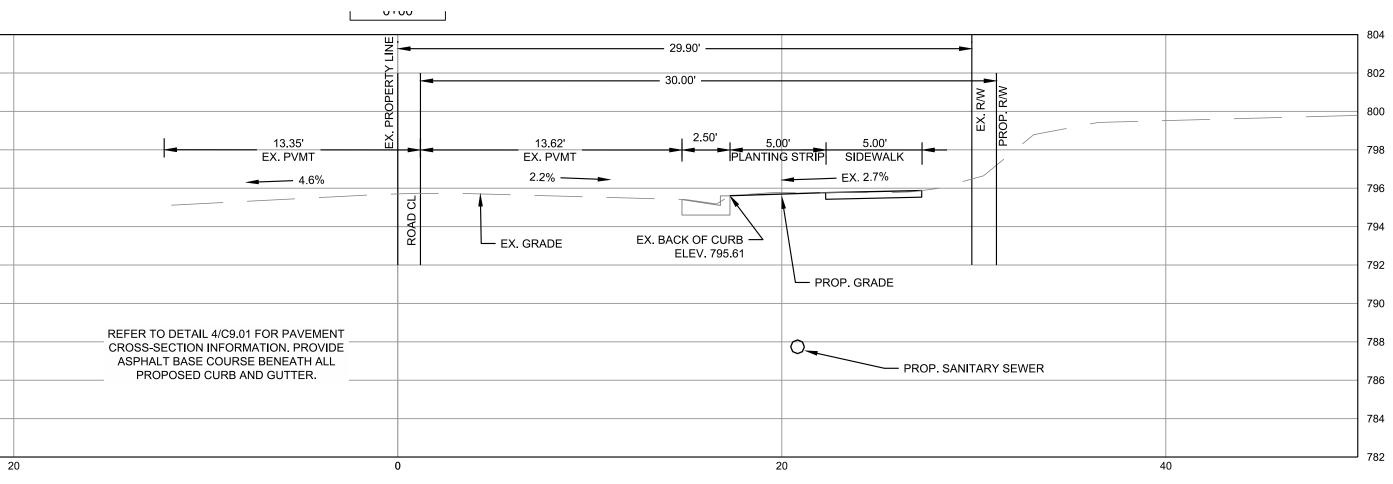
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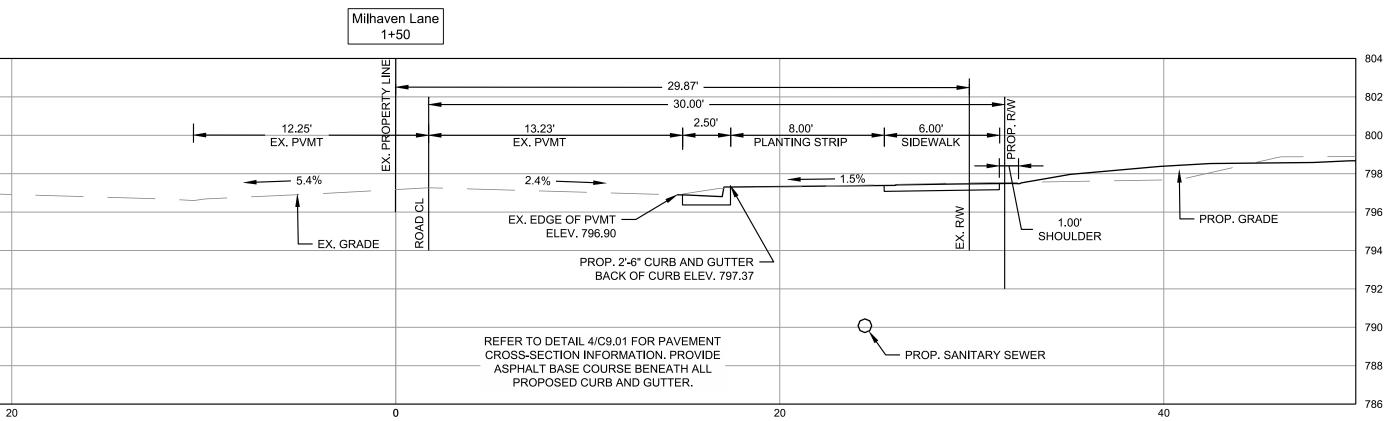
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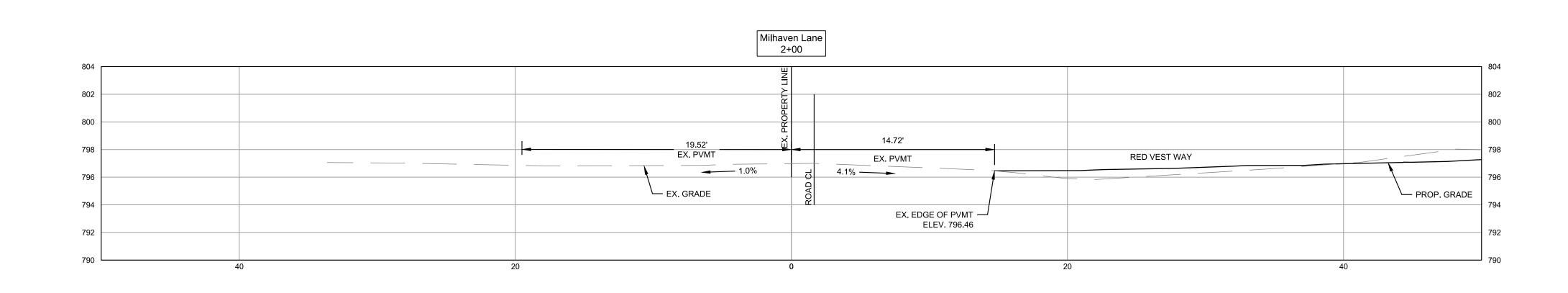
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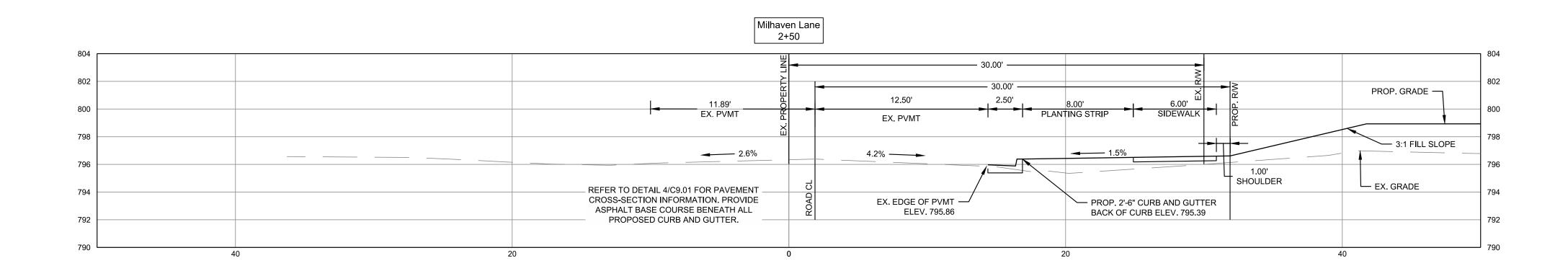


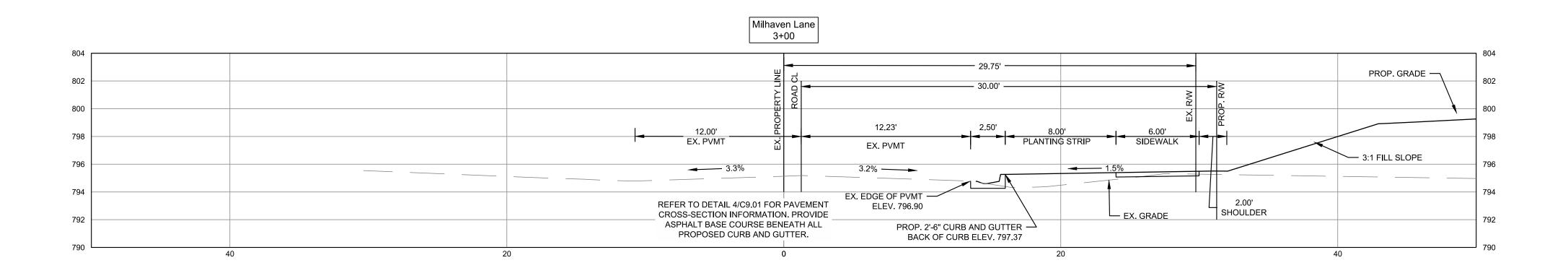


STEWART
421 FAYETTEVILLE ST, STE 400 RALEIGH, NC 27601 T 919.380.8750 FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: X16037
Client:
For Humanity®
Chariotte HABITAT FOR HUMANITY
3815 LATROBE DRIVE CHARLOTTE, NC 28211
Project:
MILHAVEN LANE
SUBDIVISION
5930 MILHAVEN LANE CHARLOTTE, NC 28269
Vicinity map:
NORTH
Milhaven Lane
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Seal:
SEAL
12/08/2017
Issued for:
No. Date Description
0 2.5 5 10 1"=5'
Title:
Milhaven Lane
Cross-Sections
Project number: X16037 Sheet: Date: 10/17/2017
Drawn by: RGB/JGC C5.20









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Milhaven Lane 3+39.65

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	12.00'	12.98'	2.50' 8.00'	6.00'	PRO	
	EX. PVMT	EX. PVMT	PLANTING STRIP	SIDEWALK		
	3.6%	3.2% —	1.5	%		
		Z ⊐ ≻ EX. EDGE OF PVMT -		2		
	REFER TO DETAIL 4/C9.01 FOR PAVEMENT CROSS-SECTION INFORMATION. PROVIDE	ELEV. 793.53	PROP. BACK OF CURB ELEV. 794.03	ー PROP. GRADE 값 RADE 값	1.00' SHOULDER	
	ASPHALT BASE COURSE BENEATH ALL PROPOSED CURB AND GUTTER.	EX. PR				
2	20	0	20			40

