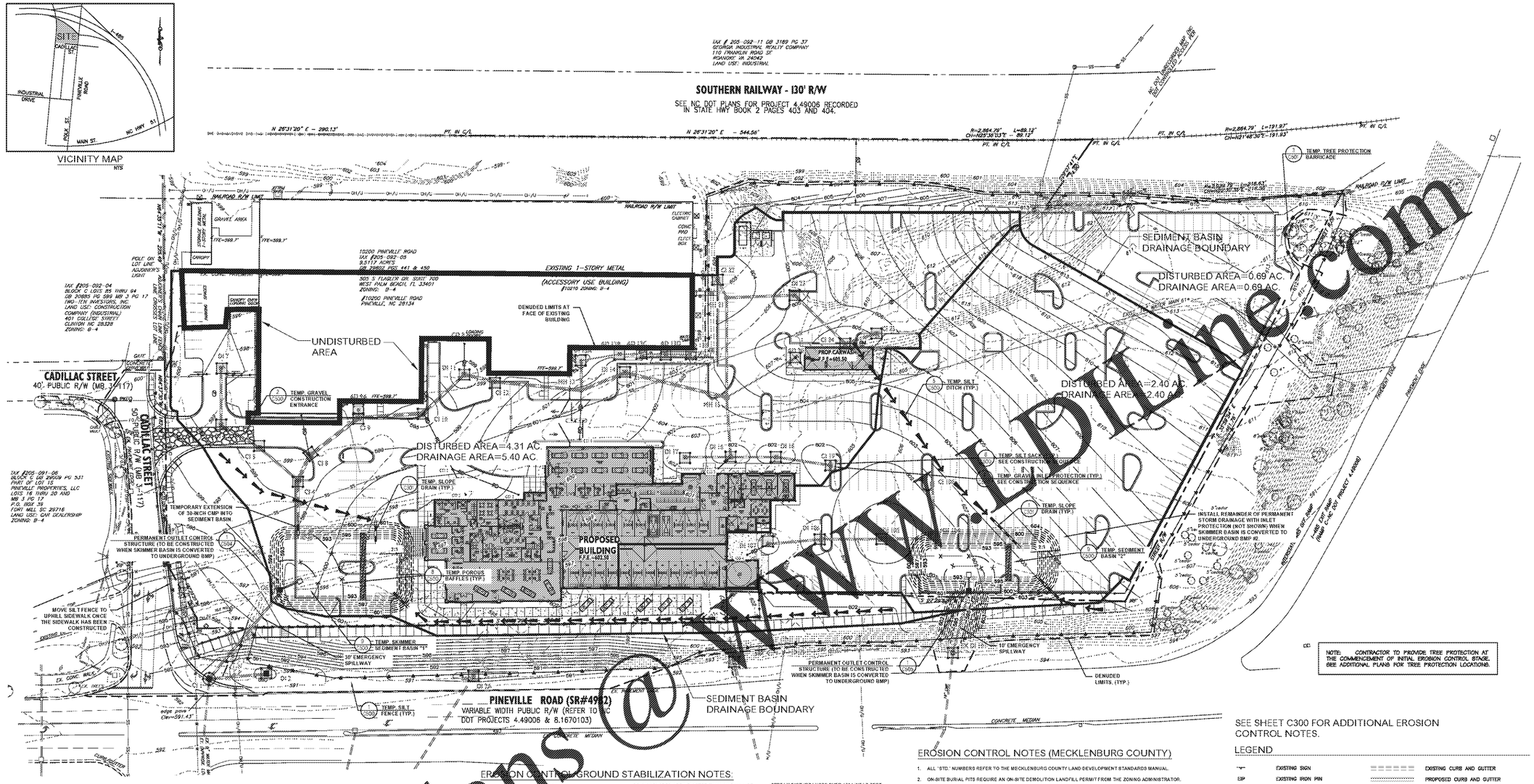
VICINITY MAP
NTS



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EROSION CONTROL GROUND STABILIZATION NOTES:

SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF SITE WHERE LAND-DISTURBING ACTIVITIES ARE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:

1. 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.

1B. 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.

2. CONDITIONS - IN MEETING THE STABILIZATION REQUIREMENTS ABOVE THE FOLLOWING CONDITIONS OR EXCEPTIONS SHALL APPLY:

2A. EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE.

2B. ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY THE GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1, THE 7 DAY REQUIREMENT APPLIES.

2C. ANY SLOPED AREA FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT.

2D. SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7 DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 2:1.

2E. FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT COMMISSION-DEFINED HIGH QUALITY WATER ZONE (15A NCAC 04A .0105), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.

3. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF NCDEQ STAFF. ANY LAND-DISTURBING ACTIVITY >1 ACRE REQUIRES COMPLIANCE WITH ALL CONDITIONS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (PERMIT NO.NCG010000). ANY PERMIT NONCOMPLIANCE IS A VIOLATION OF THE CLEAN WATER ACT AND MAY REQUIRE ENFORCEMENT ACTION BY NCDEQ.

4. DISTURBED AREAS DRAINING GREATER THAN ONE ACRE MUST HAVE AN EROSION CONTROL MEASURE THAT DRAINS FROM THE WATER SURFACE ELEVATION.

5. REQUIRED ARMY CORPS 404 PERMIT AND WATER QUALITY 401 CERTIFICATION MUST BE OBTAINED FOR STREAM DISTURBANCES OVER 150 LINEAR FEET.

6. ANY BORROW OR WASTE MATERIAL SHALL BE TAKEN/PLACED ON A SITE THAT HAS AN ACTIVE APPROVED GRADING PERMIT. IF THIS IS NOT OBTAINABLE, THEN CONTRACTOR MAY SUBMIT PLAN FOR APPROVAL TO NCDEQ PRIOR TO ANY OFF-SITE BORROW/WASTE AREAS BEING DENUDED AND ANY GRADING OPERATIONS STARTING ON THIS SITE.

7. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE NCDEQ EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

8. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE NCDEQ EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.

9. ANY AND ALL SITE FINES IMPOSED BY NCDEQ OR ANY OTHER GOVERNING AGENCY SHALL BE PAID BY THE GRADING CONTRACTOR.

10. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING.

11. SOIL TYPES:
- DAVIDSON SANDY CLAY LOAM (DaB)
- IREDELL FINE SANDY LOAM (IrB)
- IREDELL-URBAN LAND COMPLEX (IuB)
- WILKES LOAM (WkD)

12. NAME OF RECEIVING WATER COURSE: LITTLE SUGAR CREEK OF CATAWBA RIVER BASIN

13. CLASSIFICATION OF RECEIVING WATER COURSE: C (AQUATIC LIFE, SECONDARY RECREATION, FRESH WATER)

NOTE:
ANY OFF-SITE BORROW AND WASTE REQUIRED FOR THIS PROJECT MUST COME FROM A SITE WITH AN APPROVED EROSION CONTROL PLAN, A SITE REGULATED UNDER THE MINING ACT OF 1971, OR A LANDFILL REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT. TRASH/DEBRIS FROM DEMOLITION ACTIVITIES OR GENERATED BY ANY ACTIVITIES ON SITE MUST BE DISPOSED OF AT A FACILITY REGULATED BY THE DIVISION OF SOLID WASTE MANAGEMENT OR PER DIVISION OF SOLID WASTE MANAGEMENT OR DIVISION OF WATER RESOURCES RULES AND REGULATIONS. [15A NCAC 4B .0110].

EROSION CONTROL BLANKET:
ALL DISTURBED AREAS WITH GRADED SLOPES AT 3:1 OR STEEPER SHALL RECEIVE THE FOLLOWING EROSION CONTROL BLANKET:

70% STRAW FIBER (.35 LBS/SQ. YRD.) 30% COCONUT FIBER (0.15 LBS/SQ. YRD.) NETTING ON BOTH SIDES, LENO WOVEN, 100% BIODEGRADABLE ORGANIC JUTE FIBER, 9.3 LBS./1000 SQ. FT. STAPLE WITH .11 GA. 6" U STAPLES AT 2' O.C. DOWN THE SLOPE AND 1.6' O.C. ACROSS THE SLOPE.

TOPSOIL STOCKPILE NOTE:
CONTRACTOR SHALL STRIP AND STOCK PILE EXISTING TOPSOIL. STOCKPILE ENOUGH TO PLACE 6" OVER ENTIRE VEGETATED SITE. REVIEW SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. TOPSOIL SHALL BE CLEAN, FREE OF ROOT, DEBRIS, ROCK AND STUMPS. CONTRACTOR SHALL PROVIDE A SOIL SAMPLE TEST OF EXISTING MATERIAL. CONTRACTOR SHALL AMEND EXISTING SOILS AS REQUIRED TO MEET THE SPECIFICATION.

EROSION CONTROL NOTES (MECKLENBURG COUNTY)

1. ALL 'STD.' NUMBERS REFER TO THE MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS MANUAL.
2. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
3. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE
4. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE
5. SOIL STABILIZATION SHALL BE REQUIRED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
6. 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.
7. 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.
8. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY.
9. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TERRACING (MCLDS #30.16). SOILS ENGINEER TO VERIFY STABILITY OF SLOPES GREATER THAN 2:1.
10. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
11. TEMPORARY DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
12. ALL EMBANKMENTS MUST BE CONSTRUCTED PER SECTION 4.6.6 EMBANKMENT REQUIREMENTS IN THE BMP DESIGN MANUAL.
13. TOTAL DENUDED AREA: 9.79 ACRES.

STABILIZATION TIMEFRAMES (Effective July 1, 2013)

Exit Area Description	Stabilization	Exceptions Exceptions
Perimeter dikes, swales, ditches, slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 50' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.

CONSTRUCTION SPECIFICATIONS:

1. THE TOP OF THE EARTH DIKE AT THE INLET PIPE AND THOSE DIKES CARRYING WATER TO THE INLET SHALL BE AT LEAST 1.5 FEET HIGHER AT ALL POINTS THAN THE TOP OF THE INLET PIPE.
2. THE PIPE SHALL BE FLEXIBLE WITH WATER TIGHT CONNECTING BANDS. FLEXIBLE PIPE SHOULD BE STAKED ON EITHER SIDE.
3. A RIP RAP APRON SHALL BE PROVIDED AT THE OUTLET, IF EMPTYING INTO A DISTURBED AREA.
4. THE SOIL AROUND AND UNDER THE INLET PIPE AND ENTRANCE SECTION SHALL BE HAND TAMPED IN 4" LIFTS TO THE TOP OF THE EARTH DIKE.
5. FOLLOW-UP INSPECTION AND ANY NEEDED MAINTENANCE SHALL BE PERFORMED AFTER EACH STORM BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT.
6. OUTLET PIPE SHOULD BE TAKEN OVER OR THROUGH ANY SILT FENCE, TAKING CARE NOT TO VOID THE EFFECTIVENESS OF THE SILT FENCE.

APPROVED DATE: 02/2007

NOT TO SCALE

MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS

FLEXIBLE PIPE SLOPE DRAIN

STD. NO. 30.04 REV.

1 Temporary Pipe Slope Drain
N.T.S.

LEGEND

	EXISTING SIGN		EXISTING CURB AND GUTTER
IRF	EXISTING IRON PIN		PROPOSED CURB AND GUTTER
	EXISTING LIGHT POLE		PROPERTY LINE
	EXISTING UTILITY POLE	X X X	EXISTING FENCE
R/W	RIGHT-OF-WAY	UGE	EXISTING UNDERGROUND ELECTRIC LINE
	EXISTING TREE TO REMAIN	OH/U	EXISTING OVERHEAD UTILITY LINE
	EXISTING FIRE HYDRANT	T	EXISTING UNDERGROUND TELEPHONE LINE
	EXISTING WATER VALVE	SS	EXISTING SANITARY SEWER LINE
	EXISTING WATER METER	W	EXISTING WATER LINE
	EXISTING SEWER MANHOLE	G	EXISTING GAS LINE
	EXISTING STORM MANHOLE	600	EXISTING CONTOUR LINE
MH #	PROPOSED STORM MANHOLE	XXX	PROPOSED CONTOUR LINE
	EXISTING DRAINAGE STRUCTURE		EXISTING STORM DRAINAGE PIPE
DI #	PROPOSED DRAINAGE STRUCTURE		PROPOSED STORM DRAINAGE PIPE
	TEMPORARY SILT SACK		TEMPORARY SILT FENCE
	TEMPORARY INLET PROTECTION		TEMPORARY TREE PROTECTION BARRICADE
	TEMPORARY ROCK CHECK DAM		LIMITS OF GRADING/CONSTRUCTION
	TEMPORARY FILTER BERM BASIN		LINED GRASS SWALE
	TEMPORARY GRAVEL ENTRANCE		GRASS SWALE
	OUTLET PROTECTION		TEMPORARY DIVERSION SWALE

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

NORTH

SCALE: 1"=40'

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Date: 03.04.2020
Revisions:

Sheet Title:
Erosion Control Plan - Post Developed

Sheet No:
C301