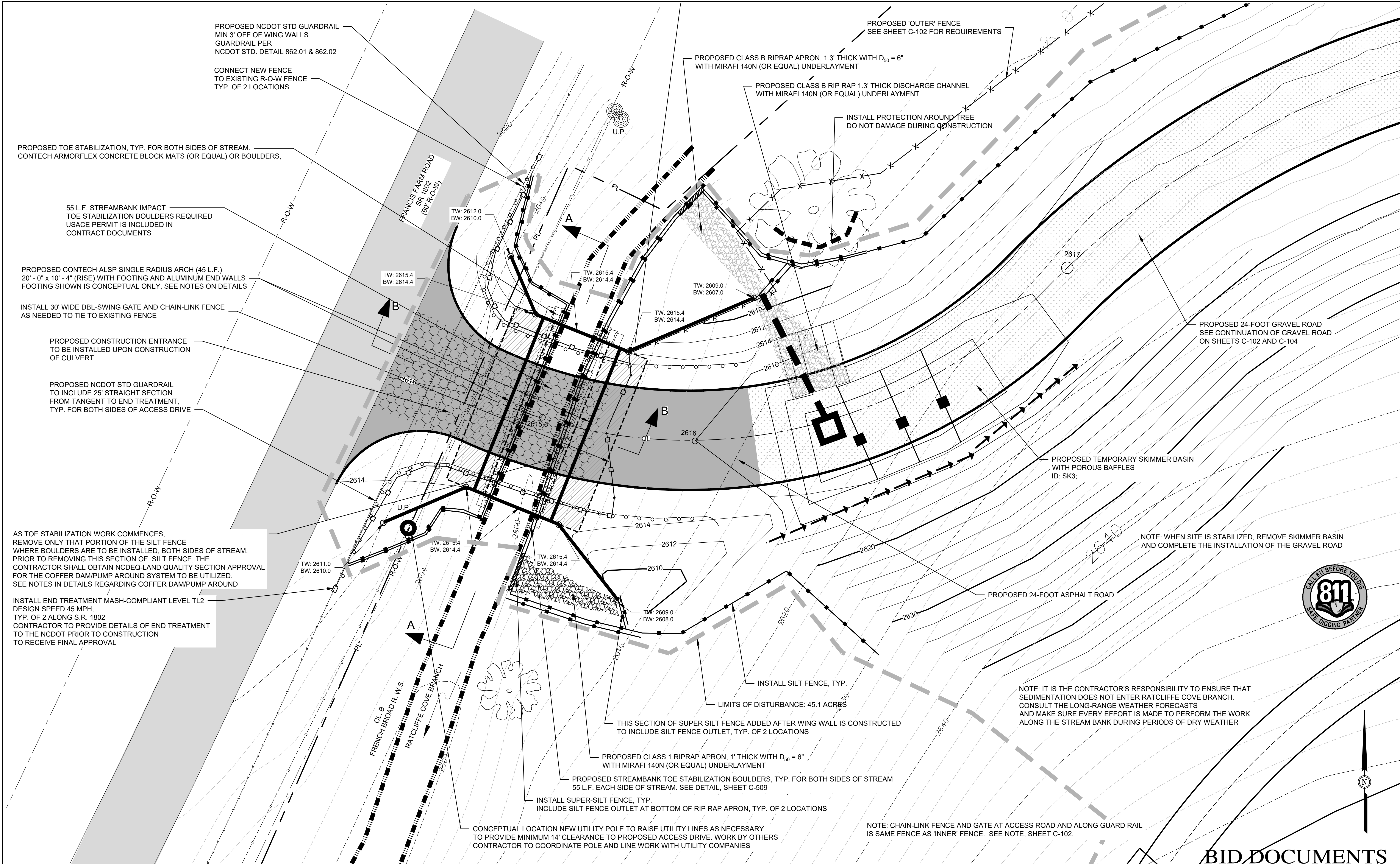


LIBRARY STREET DRAWINGS 201414.00708 - FFLP ACME DESIGN/SOLID WASTE DRAWINGS/CONSTRUCTION DWG(S) 14.00708 CD-STREAM CROSSING PLAN AND DETAIL DWG PLOT DATE: 12/23/2019 2:17 PM DAVE PASKO



PROPOSED NCDOT STD GUARDRAIL
MIN 3' OFF OF WING WALLS
GUARDRAIL PER
NCDOT STD. DETAIL 862.01 & 862.02

PROPOSED TOE STABILIZATION, TYP. FOR BOTH SIDES OF STREAM.
CONTECH ARMORFLEX CONCRETE BLOCK MATS (OR EQUAL) OR BOULDERS,

55 L.F. STREAMBANK IMPACT
TOE STABILIZATION BOULDERS REQUIRED
USACE PERMIT IS INCLUDED IN
CONTRACT DOCUMENTS

PROPOSED CONTECH ALSP SINGLE RADIUS ARCH (45 L.F.)
20' - 0" x 10' - 4" (RISE) WITH FOOTING AND ALUMINUM END WALLS
FOOTING SHOWN IS CONCEPTUAL ONLY, SEE NOTES ON DETAILS

INSTALL 30' WIDE DBL-SWING GATE AND CHAIN-LINK FENCE
AS NEEDED TO TIE TO EXISTING FENCE

PROPOSED CONSTRUCTION ENTRANCE
TO BE INSTALLED UPON CONSTRUCTION
OF CULVERT

PROPOSED NCDOT STD GUARDRAIL
TO INCLUDE 25' STRAIGHT SECTION
FROM TANGENT TO END TREATMENT,
TYP. FOR BOTH SIDES OF ACCESS DRIVE

AS TOE STABILIZATION WORK COMMENCES,
REMOVE ONLY THAT PORTION OF THE SILT FENCE
WHERE BOULDERS ARE TO BE INSTALLED, BOTH SIDES OF STREAM.
PRIOR TO REMOVING THIS SECTION OF SILT FENCE, THE
CONTRACTOR SHALL OBTAIN NCDEQ-LAND QUALITY SECTION APPROVAL
FOR THE COFFER DAM/PUMP AROUND SYSTEM TO BE UTILIZED.
SEE NOTES IN DETAILS REGARDING COFFER DAM/PUMP AROUND

INSTALL END TREATMENT MASH-COMPLIANT LEVEL TL2
DESIGN SPEED 45 MPH,
TYP. OF 2 ALONG S.R. 1802
CONTRACTOR TO PROVIDE DETAILS OF END TREATMENT
TO THE NCDOT PRIOR TO CONSTRUCTION
TO RECEIVE FINAL APPROVAL

PROPOSED 'OUTER' FENCE
SEE SHEET C-102 FOR REQUIREMENTS

PROPOSED CLASS B RIPRAP APRON, 1.3' THICK WITH D₅₀ = 6"
WITH MIRAFI 140N (OR EQUAL) UNDERLAYMENT

PROPOSED CLASS B RIP RAP 1.3' THICK DISCHARGE CHANNEL
WITH MIRAFI 140N (OR EQUAL) UNDERLAYMENT

INSTALL PROTECTION AROUND TREE
DO NOT DAMAGE DURING CONSTRUCTION

PROPOSED 24-FOOT GRAVEL ROAD
SEE CONTINUATION OF GRAVEL ROAD
ON SHEETS C-102 AND C-104

PROPOSED TEMPORARY SKIMMER BASIN
WITH POROUS BAFFLES
ID: SK3;

NOTE: WHEN SITE IS STABILIZED, REMOVE SKIMMER BASIN
AND COMPLETE THE INSTALLATION OF THE GRAVEL ROAD



PROPOSED 24-FOOT ASPHALT ROAD

NOTE: IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT
SEDIMENTATION DOES NOT ENTER RATCLIFFE COVE BRANCH.
CONSULT THE LONG-RANGE WEATHER FORECASTS
AND MAKE SURE EVERY EFFORT IS MADE TO PERFORM THE WORK
ALONG THE STREAM BANK DURING PERIODS OF DRY WEATHER

INSTALL SILT FENCE, TYP.

LIMITS OF DISTURBANCE: 45.1 ACRES

THIS SECTION OF SUPER SILT FENCE ADDED AFTER WING WALL IS CONSTRUCTED
TO INCLUDE SILT FENCE OUTLET, TYP. OF 2 LOCATIONS

PROPOSED CLASS 1 RIPRAP APRON, 1' THICK WITH D₅₀ = 6"
WITH MIRAFI 140N (OR EQUAL) UNDERLAYMENT

PROPOSED STREAMBANK TOE STABILIZATION BOULDERS, TYP. FOR BOTH SIDES OF STREAM
55 L.F. EACH SIDE OF STREAM. SEE DETAIL, SHEET C-509

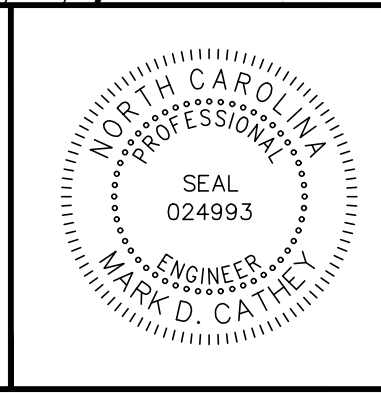
INSTALL SUPER-SILT FENCE, TYP.
INCLUDE SILT FENCE OUTLET AT BOTTOM OF RIP RAP APRON, TYP. OF 2 LOCATIONS

CONCEPTUAL LOCATION NEW UTILITY POLE TO RAISE UTILITY LINES AS NECESSARY
TO PROVIDE MINIMUM 14' CLEARANCE TO PROPOSED ACCESS DRIVE. WORK BY OTHERS
CONTRACTOR TO COORDINATE POLE AND LINE WORK WITH UTILITY COMPANIES

NOTE: CHAIN-LINK FENCE AND GATE AT ACCESS ROAD AND ALONG GUARD RAIL
IS SAME FENCE AS 'INNER' FENCE. SEE NOTE, SHEET C-102.

BID DOCUMENTS

55 Broad Street
Asheville, NC 28801
828.252.0575
NC Firm License # C-0459
mcgillassociates.com



SIGNED AND DATED:			
NO.	DATE	BY	DESCRIPTION

THIS DOCUMENT HAS BEEN DIGITALLY
SIGNED AND SEALED IN ACCORDANCE
WITH THE STANDARD CERTIFICATION
REQUIREMENTS FOUND IN NC
ADMINISTRATIVE CODE 21-58.1103(E).
THIS DIGITAL SIGNATURE HAS BEEN
FOUND BY THE NC BOARD OF
EXAMINERS FOR ENGINEERS AND
SURVEYORS TO MEET THESE
STANDARDS. PLEASE CONTACT THE
SIGNER IF YOU NEED ASSISTANCE IN
VALIDATING THE SIGNATURE.

FRANCIS FARM LANDFILL
RESTRICTIVE COVER IMPLEMENTATION
HAYWOOD COUNTY
HAYWOOD COUNTY, NORTH CAROLINA

OFFICE MANAGER MDC	DESIGNER DAP
PROJECT MANAGER JRB	REVIEWER JRB

DATE DECEMBER 2019	PROJECT # 14.00708	FUNDING # N/A
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SHEET
C-109

