

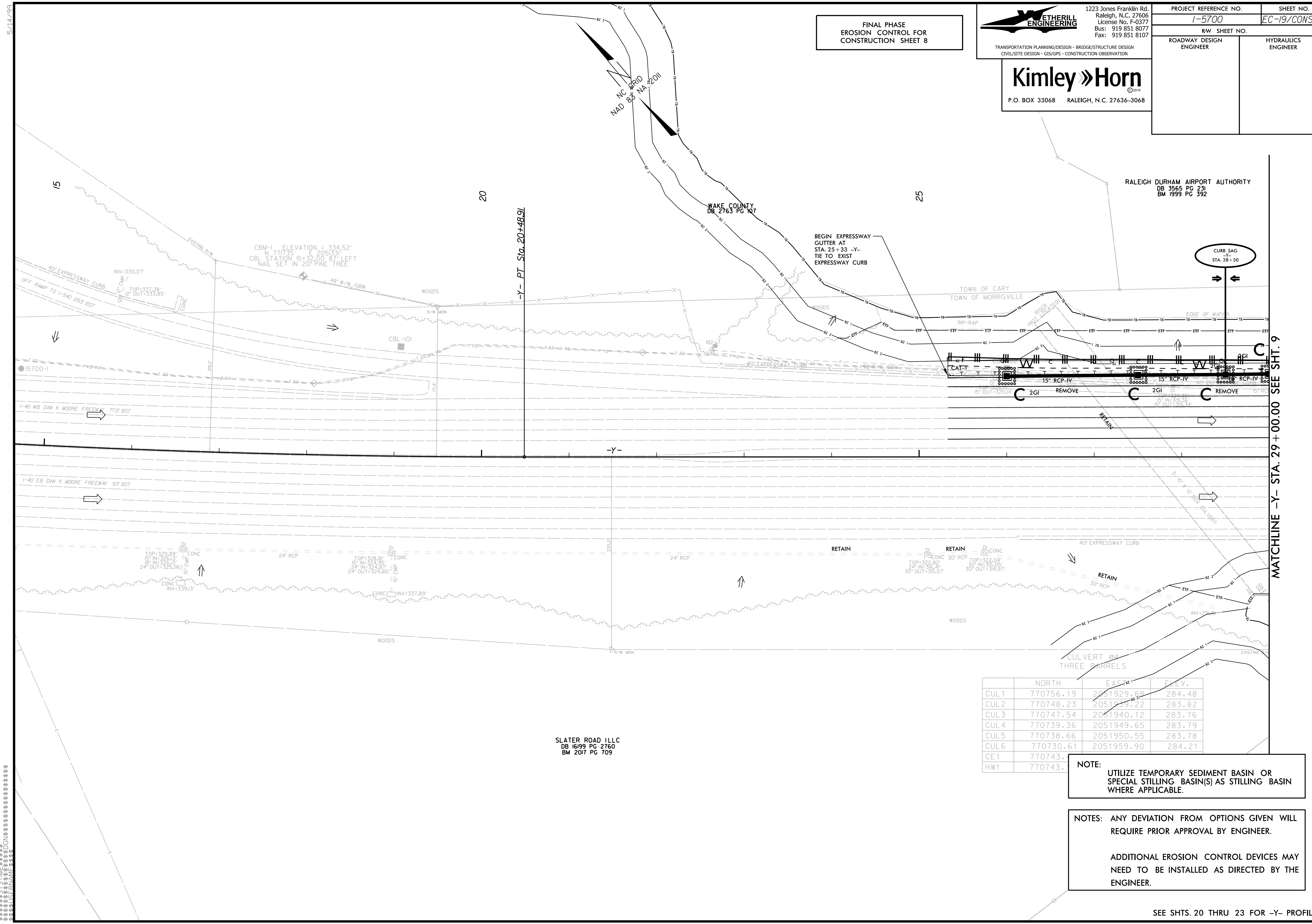
FINAL PHASE
EROSION CONTROL FOR
CONSTRUCTION SHEET 8

ETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

Kimley Horn
P.O. BOX 33068 RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. 1-5700	SHEET NO. EC-19/CONST.8
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

RALEIGH DURHAM AIRPORT AUTHORITY
DB 3565 PG 231
BM 1999 PG 392



SLATER ROAD ILLC
DB 16199 PG 2760
BM 2017 PG 709

	NORTH	EAST	ELEV.
CUL1	770756.19	2051929.68	284.48
CUL2	770748.23	2051939.22	283.82
CUL3	770747.54	2051940.12	283.76
CUL4	770739.36	2051949.65	283.79
CUL5	770738.66	2051950.55	283.78
CUL6	770730.61	2051959.90	284.21
CE1	770743.		
HW1	770743.		

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

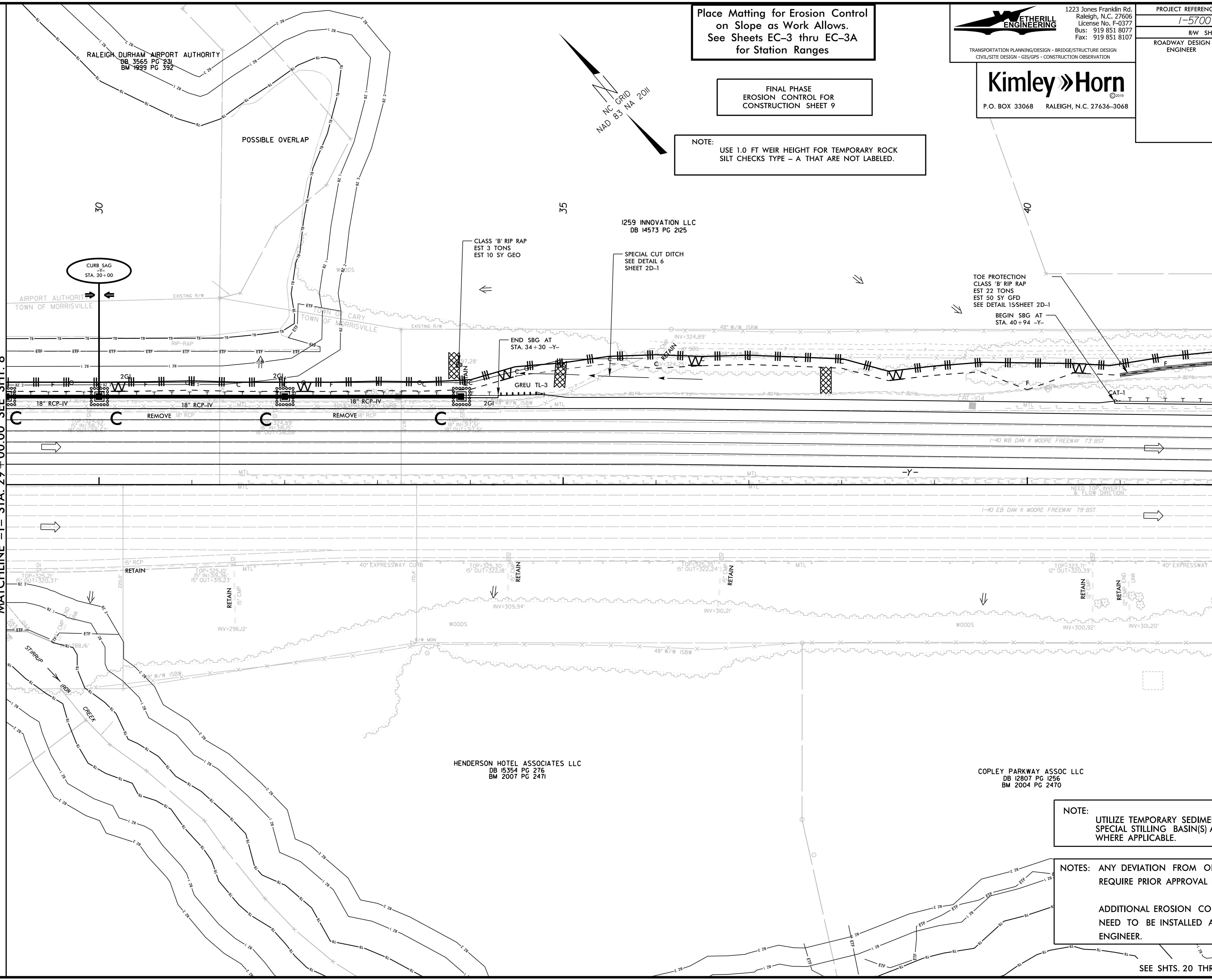
SEE SHTS. 20 THRU 23 FOR -Y- PROFILE

MATCHLINE -Y- STA: 29+00.00 SEE SHT. 9

5/14/19
US 101/102/103/104/105/106/107/108/109/110/111/112/113/114/115/116/117/118/119/120/121/122/123/124/125/126/127/128/129/130/131/132/133/134/135/136/137/138/139/140/141/142/143/144/145/146/147/148/149/150/151/152/153/154/155/156/157/158/159/160/161/162/163/164/165/166/167/168/169/170/171/172/173/174/175/176/177/178/179/180/181/182/183/184/185/186/187/188/189/190/191/192/193/194/195/196/197/198/199/200/201/202/203/204/205/206/207/208/209/210/211/212/213/214/215/216/217/218/219/220/221/222/223/224/225/226/227/228/229/230/231/232/233/234/235/236/237/238/239/240/241/242/243/244/245/246/247/248/249/250/251/252/253/254/255/256/257/258/259/260/261/262/263/264/265/266/267/268/269/270/271/272/273/274/275/276/277/278/279/280/281/282/283/284/285/286/287/288/289/290/291/292/293/294/295/296/297/298/299/300/301/302/303/304/305/306/307/308/309/310/311/312/313/314/315/316/317/318/319/320/321/322/323/324/325/326/327/328/329/330/331/332/333/334/335/336/337/338/339/340/341/342/343/344/345/346/347/348/349/350/351/352/353/354/355/356/357/358/359/360/361/362/363/364/365/366/367/368/369/370/371/372/373/374/375/376/377/378/379/380/381/382/383/384/385/386/387/388/389/390/391/392/393/394/395/396/397/398/399/400/401/402/403/404/405/406/407/408/409/410/411/412/413/414/415/416/417/418/419/420/421/422/423/424/425/426/427/428/429/430/431/432/433/434/435/436/437/438/439/440/441/442/443/444/445/446/447/448/449/450/451/452/453/454/455/456/457/458/459/460/461/462/463/464/465/466/467/468/469/470/471/472/473/474/475/476/477/478/479/480/481/482/483/484/485/486/487/488/489/490/491/492/493/494/495/496/497/498/499/500/501/502/503/504/505/506/507/508/509/510/511/512/513/514/515/516/517/518/519/520/521/522/523/524/525/526/527/528/529/530/531/532/533/534/535/536/537/538/539/540/541/542/543/544/545/546/547/548/549/550/551/552/553/554/555/556/557/558/559/560/561/562/563/564/565/566/567/568/569/570/571/572/573/574/575/576/577/578/579/580/581/582/583/584/585/586/587/588/589/590/591/592/593/594/595/596/597/598/599/600/601/602/603/604/605/606/607/608/609/610/611/612/613/614/615/616/617/618/619/620/621/622/623/624/625/626/627/628/629/630/631/632/633/634/635/636/637/638/639/640/641/642/643/644/645/646/647/648/649/650/651/652/653/654/655/656/657/658/659/660/661/662/663/664/665/666/667/668/669/670/671/672/673/674/675/676/677/678/679/680/681/682/683/684/685/686/687/688/689/690/691/692/693/694/695/696/697/698/699/700/701/702/703/704/705/706/707/708/709/710/711/712/713/714/715/716/717/718/719/720/721/722/723/724/725/726/727/728/729/730/731/732/733/734/735/736/737/738/739/740/741/742/743/744/745/746/747/748/749/750/751/752/753/754/755/756/757/758/759/760/761/762/763/764/765/766/767/768/769/770/771/772/773/774/775/776/777/778/779/780/781/782/783/784/785/786/787/788/789/790/791/792/793/794/795/796/797/798/799/800/801/802/803/804/805/806/807/808/809/810/811/812/813/814/815/816/817/818/819/820/821/822/823/824/825/826/827/828/829/830/831/832/833/834/835/836/837/838/839/840/841/842/843/844/845/846/847/848/849/850/851/852/853/854/855/856/857/858/859/860/861/862/863/864/865/866/867/868/869/870/871/872/873/874/875/876/877/878/879/880/881/882/883/884/885/886/887/888/889/890/891/892/893/894/895/896/897/898/899/900/901/902/903/904/905/906/907/908/909/910/911/912/913/914/915/916/917/918/919/920/921/922/923/924/925/926/927/928/929/930/931/932/933/934/935/936/937/938/939/940/941/942/943/944/945/946/947/948/949/950/951/952/953/954/955/956/957/958/959/960/961/962/963/964/965/966/967/968/969/970/971/972/973/974/975/976/977/978/979/980/981/982/983/984/985/986/987/988/989/990/991/992/993/994/995/996/997/998/999/1000

MATCHLINE -Y- STA. 29+00.00 SEE SHT. 8

MATCHLINE -Y- STA. 42+00.00 SEE SHT. 10



Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3A for Station Ranges

FINAL PHASE EROSION CONTROL FOR CONSTRUCTION SHEET 9

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

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Kimley Horn
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PROJECT REFERENCE NO.	SHEET NO.
1-5700	EC-20/CONST.9
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

SEE SHTS. 20 THRU 23 FOR -Y- PROFILE

5/14/99
SHEET NO. 21 OF 25
PROJECT REFERENCE NO. 1-5700
SHEET NO. EC-21/CONST.10

Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3A for Station Ranges

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3 THRU EC-3A FOR STATION RANGES

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

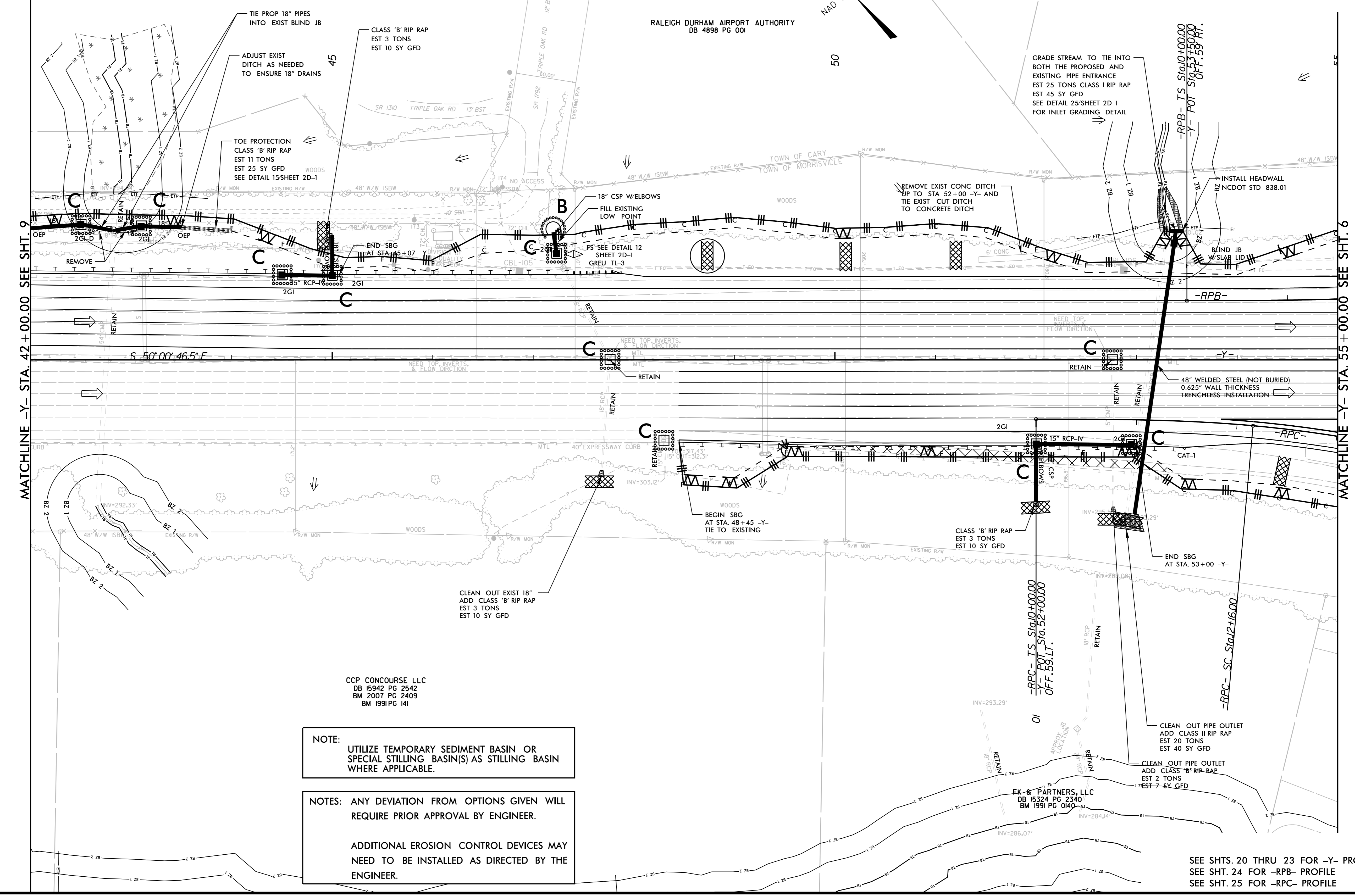
FINAL PHASE EROSION CONTROL FOR CONSTRUCTION SHEET 10

ETHERILL ENGINEERING
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License No. F-0377
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FAX: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

Kimley Horn
P.O. BOX 33068 RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO.	SHEET NO.
1-5700	EC-21/CONST.10
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.
ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

SEE SHTS. 20 THRU 23 FOR -Y- PROFILE
SEE SHT. 24 FOR -RPB- PROFILE
SEE SHT. 25 FOR -RPC- PROFILE

Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3A for Station Ranges

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

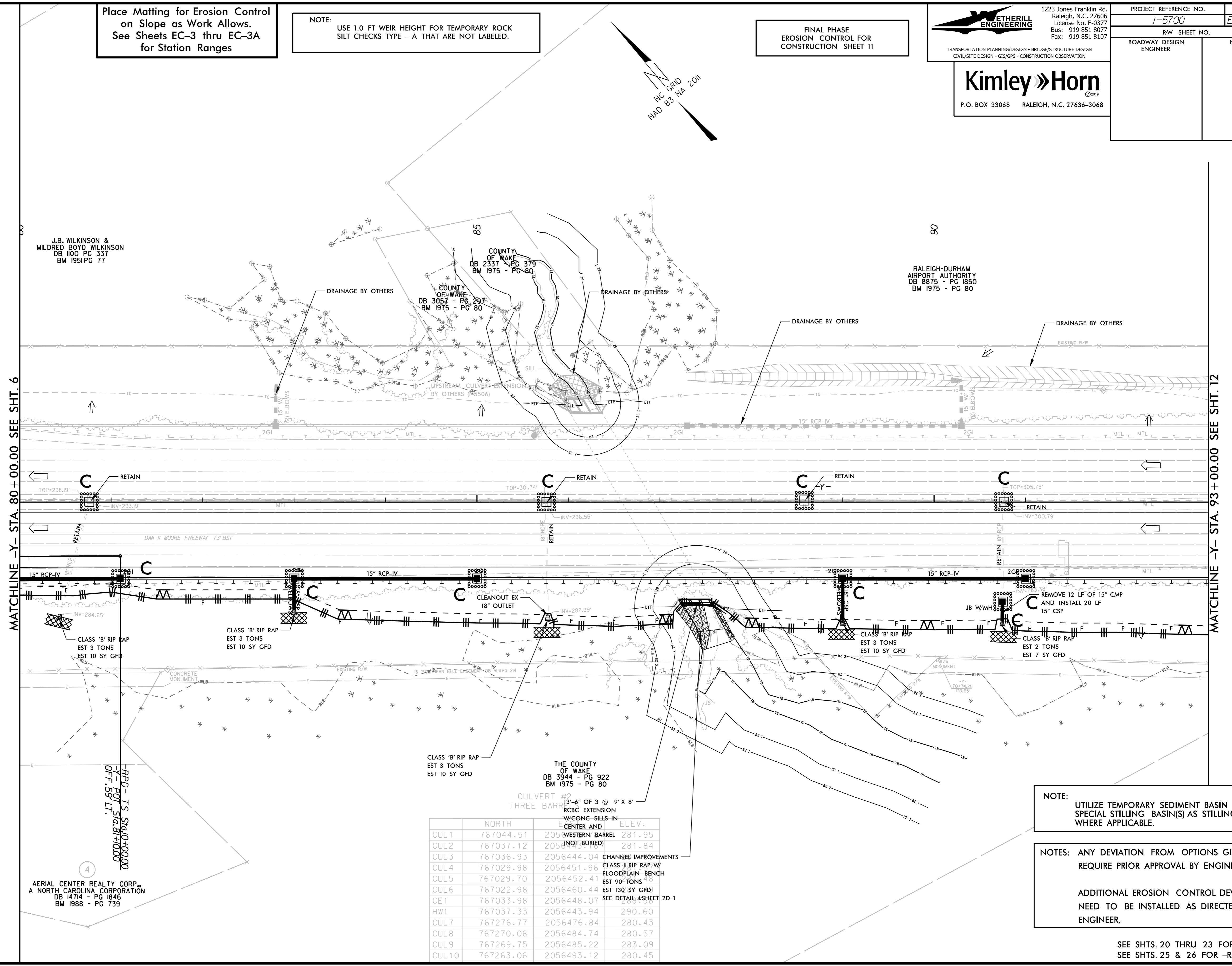
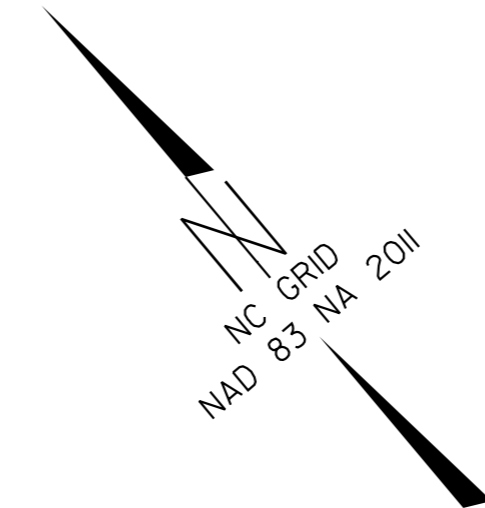
FINAL PHASE EROSION CONTROL FOR CONSTRUCTION SHEET 11

ETHERILL ENGINEERING
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 License No. F-0377
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

Kimley Horn
 P.O. BOX 33068 RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO. 1-5700	SHEET NO. EC-22/CONST. II
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



MATCHLINE -Y- STA. 80+00.00 SEE SHT. 6

MATCHLINE -Y- STA. 93+00.00 SEE SHT. 12

J.B. WILKINSON & MILDRED BOYD WILKINSON
 DB 1100 PG 337
 BM 1951 PG 77

COUNTY OF WAKE
 DB 2337 PG 379
 BM 1975 PG 80

RALEIGH-DURHAM AIRPORT AUTHORITY
 DB 8875 PG 1850
 BM 1975 PG 80

AERIAL CENTER REALTY CORP., A NORTH CAROLINA CORPORATION
 DB 1474 PG 1846
 BM 1988 PG 739

THE COUNTY OF WAKE
 DB 3944 PG 922
 BM 1975 PG 80

CULVERT #2
 THREE BARR
 13'-6" OF 3 @ 9' X 8" RCBC EXTENSION W/ CONC SILLS IN CENTER AND

	NORTH	ELEV. IN CENTER AND	ELEV.
CUL1	767044.51	205.0 WESTERN BARREL	281.95
CUL2	767037.12	205.0 (NOT BURIED)	281.84
CUL3	767036.93	2056444.04	CHANNEL IMPROVEMENTS
CUL4	767029.98	2056451.96	CLASS II RIP RAP W/ FLOODPLAIN BENCH
CUL5	767029.70	2056452.41	EST 90 TONS
CUL6	767022.98	2056460.44	EST 130 SY GFD
CE1	767033.98	2056448.07	SEE DETAIL 4 SHEET 2D-1
HW1	767037.33	2056443.94	290.60
CUL7	767276.77	2056476.84	280.43
CUL8	767270.06	2056484.74	280.57
CUL9	767269.75	2056485.22	283.09
CUL10	767263.06	2056493.12	280.45

NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

SEE SHTS. 20 THRU 23 FOR -Y- PROFILE
 SEE SHTS. 25 & 26 FOR -RPD- PROFILE

5/14/99
SHEET NO. EC-23/CONST.12

Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3A for Station Ranges

INSTALL PSRM IN THE PROPOSED DITCH LINE. SEE SHEET EC-3A FOR STATION RANGES

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3 THRU EC-3A FOR STATION RANGES

NOTE: USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK SILT CHECKS TYPE - A THAT ARE NOT LABELED.

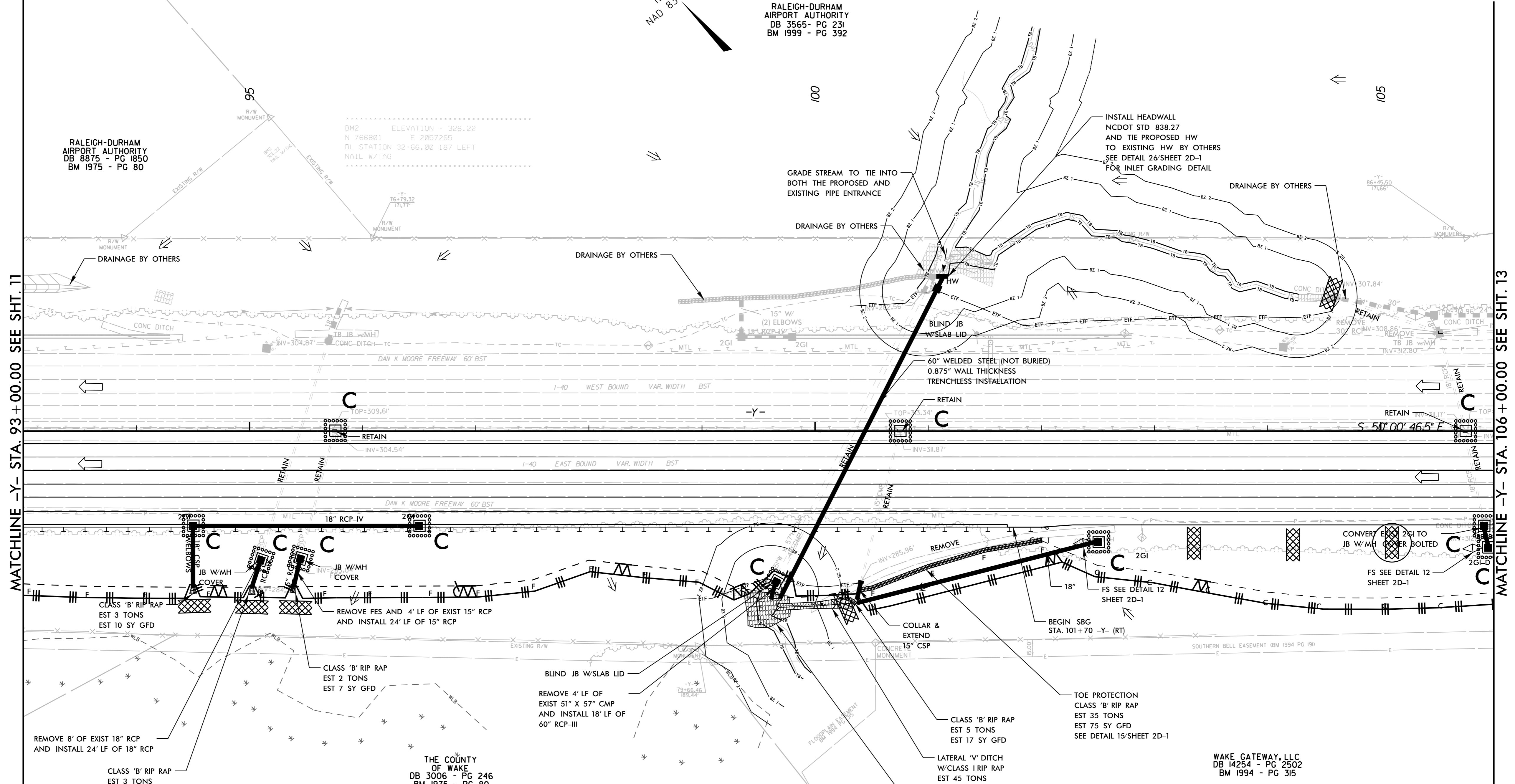
FINAL PHASE EROSION CONTROL FOR CONSTRUCTION SHEET 12

ETHERILL ENGINEERING
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Kimley Horn
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
1-5700	EC-23/CONST.12
R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



NOTE: UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

NOTES: ANY DEVIATION FROM OPTIONS GIVEN WILL REQUIRE PRIOR APPROVAL BY ENGINEER.

ADDITIONAL EROSION CONTROL DEVICES MAY NEED TO BE INSTALLED AS DIRECTED BY THE ENGINEER.

SEE SHTS. 20 THRU 23 FOR -Y- PROFILE

5/14/99

NOTE:
USE 1.0 FT WEIR HEIGHT FOR TEMPORARY ROCK
SILT CHECKS TYPE - A THAT ARE NOT LABELED.

FINAL PHASE
EROSION CONTROL FOR
CONSTRUCTION SHEET 13

ETHERILL ENGINEERING
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Raleigh, N.C. 27606
License No. F-0377
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Kimley»Horn
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P.O. BOX 33068 RALEIGH, N.C. 27636-3068

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO. 1-5700	SHEET NO. EC-24/CONST.13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

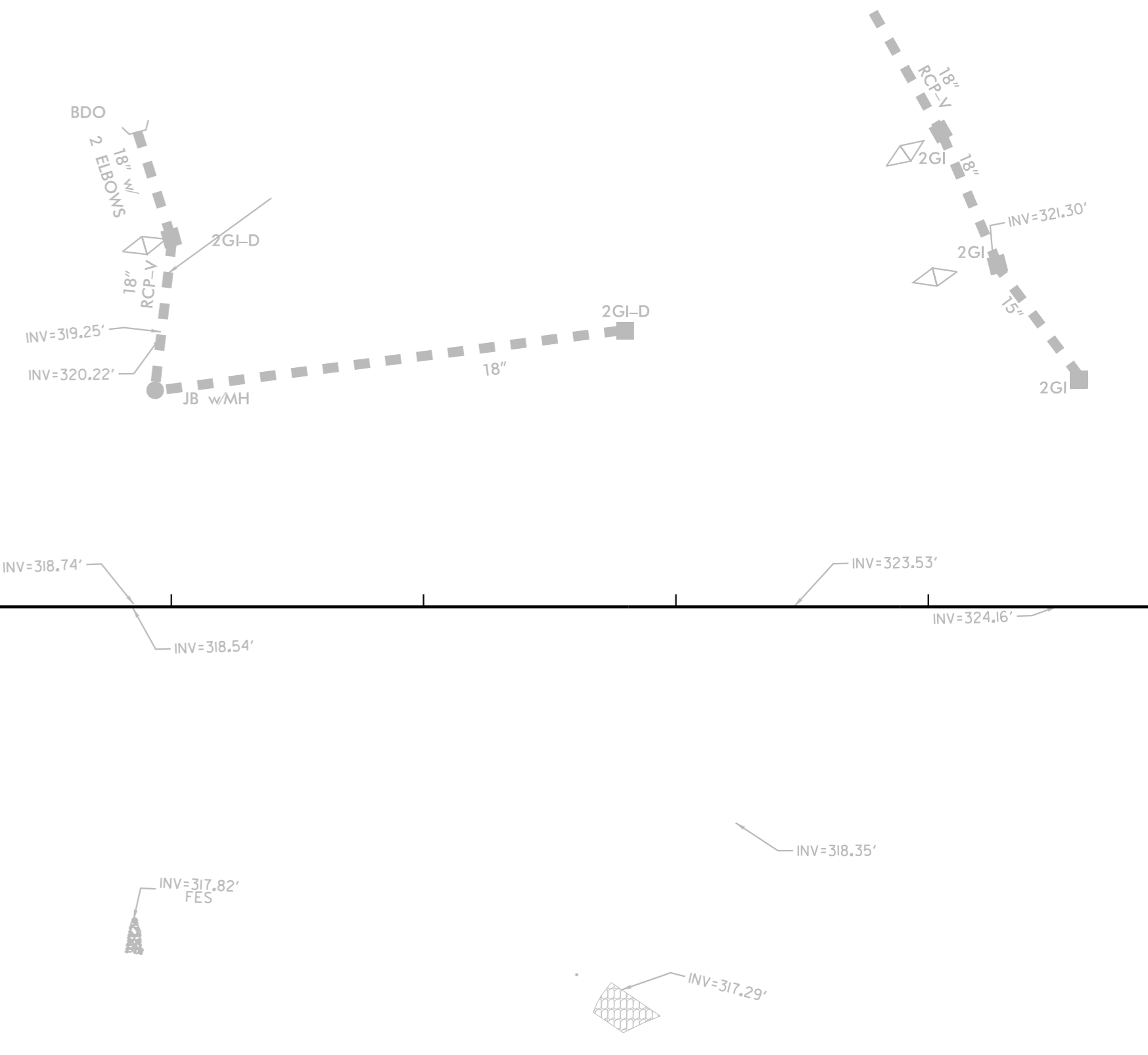
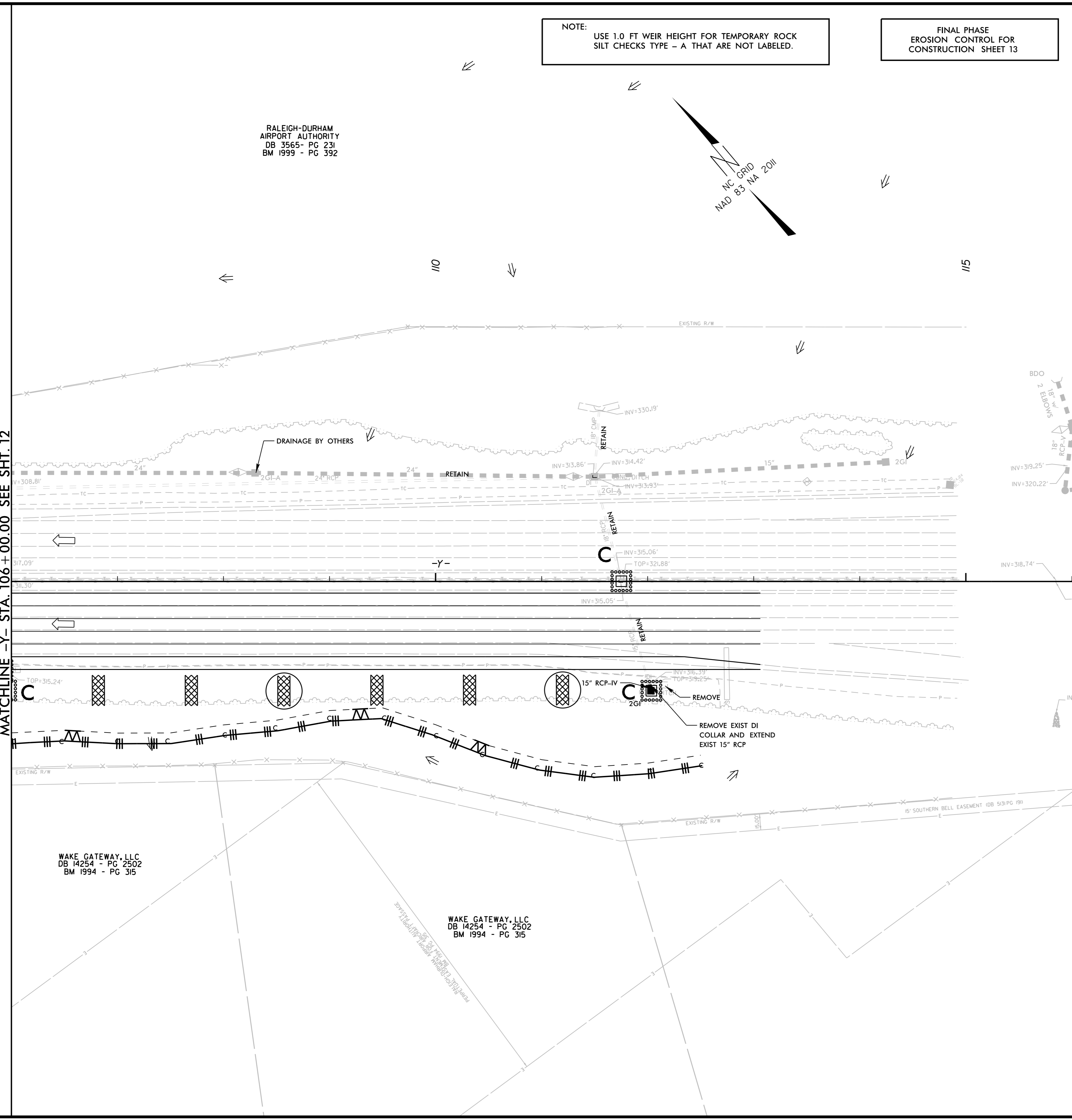
Place Matting for Erosion Control on Slope as Work Allows. See Sheets EC-3 thru EC-3A for Station Ranges

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE. SEE SHEETS EC-3 THRU EC-3A FOR STATION RANGES

RALEIGH-DURHAM AIRPORT AUTHORITY
DB 3565 - PG 231
BM 1999 - PG 392

NC GRID
MAD 83 NA 2011

MATCHLINE -Y- STA. 106+00.00 SEE SHT. 12



WAKE GATEWAY, LLC
DB 14254 - PG 2502
BM 1994 - PG 315

WAKE GATEWAY, LLC
DB 14254 - PG 2502
BM 1994 - PG 315

NOTE:
UTILIZE TEMPORARY SEDIMENT BASIN OR SPECIAL STILLING BASIN(S) AS STILLING BASIN WHERE APPLICABLE.

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SEE SHTS. 20 THRU 23 FOR -Y- PROFILE