

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-33/CONST.33
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011  
-Y6- PT Sta. 18+01.16

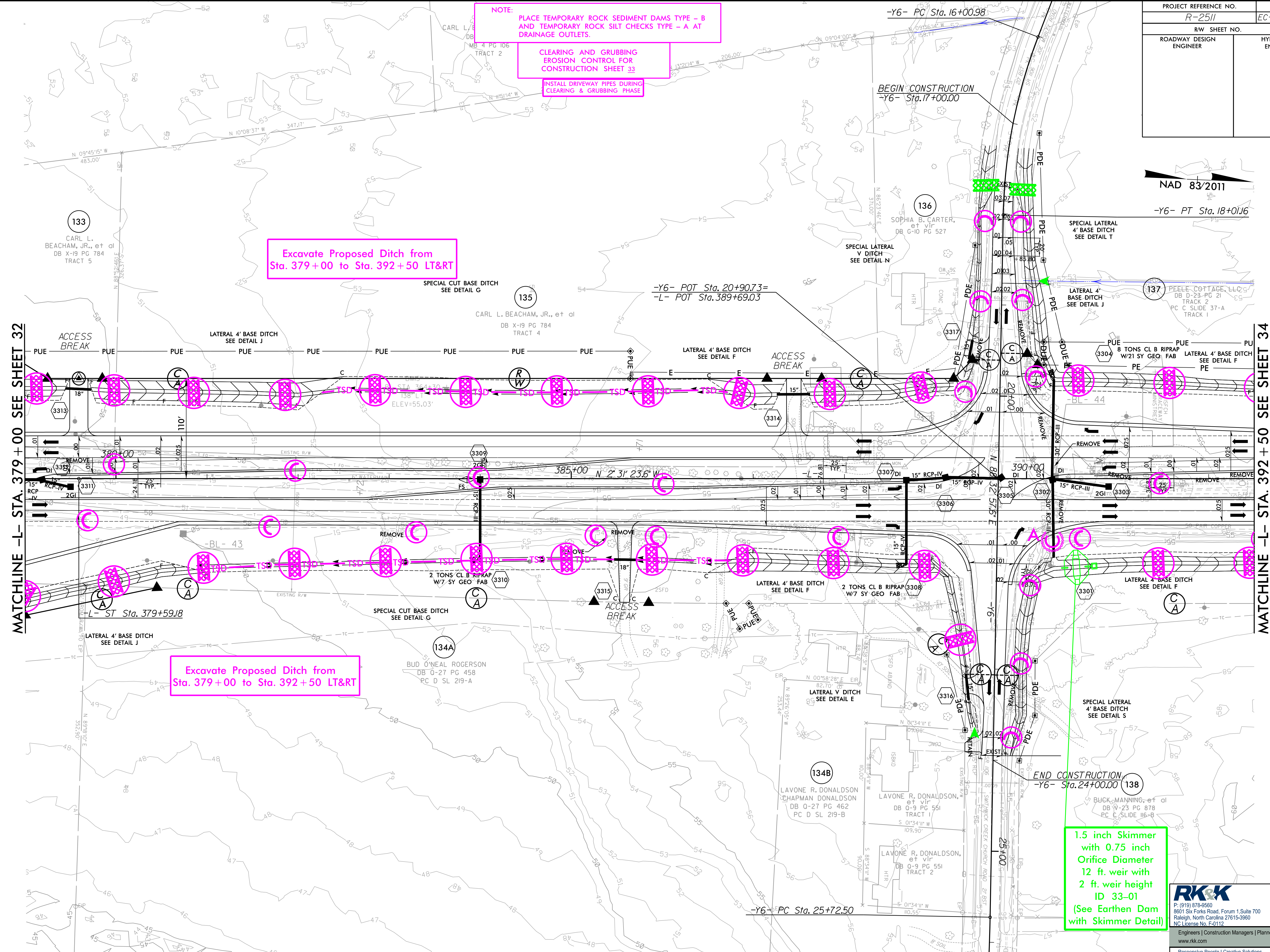
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.  
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 33  
INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 379+00 to Sta. 392+50 LT&RT

Excavate Proposed Ditch from Sta. 379+00 to Sta. 392+50 LT&RT

1.5 inch Skimmer with 0.75 inch Orifice Diameter  
12 ft. weir with 2 ft. weir height  
ID 33-01  
(See Earthen Dam with Skimmer Detail)

**RK&K**  
P: (919) 878-8560  
8601 Six Forks Road, Forum 1, Suite 700  
Raleigh, North Carolina 27615-3960  
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MATCHLINE -L- STA. 379+00 SEE SHEET 32

MATCHLINE -L- STA. 392+50 SEE SHEET 34

8/17/99  
8/2/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-34/CONST.34
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

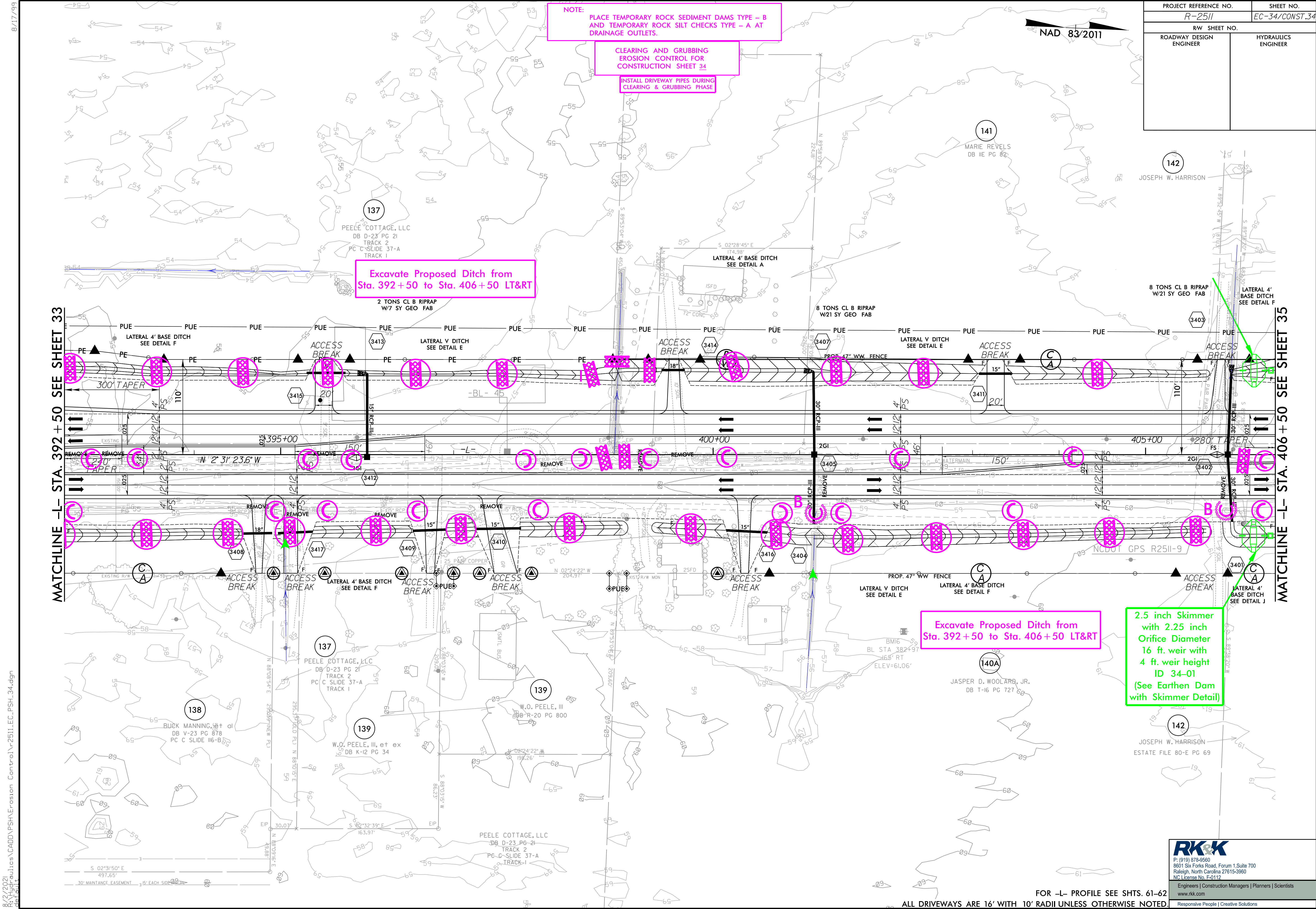
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 34  
INSTALL DRIVEWAY PIPES DURING  
CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from  
Sta. 392+50 to Sta. 406+50 LT&RT  
2 TONS CL B RIPRAP  
W/7 SY GEO FAB

Excavate Proposed Ditch from  
Sta. 392+50 to Sta. 406+50 LT&RT

2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
16 ft. weir with  
4 ft. weir height  
ID 34-01  
(See Earthen Dam  
with Skimmer Detail)



8/17/99  
8/2/2021  
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FOR -L- PROFILE SEE SHTS. 61-62  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-35/CONST.35
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011

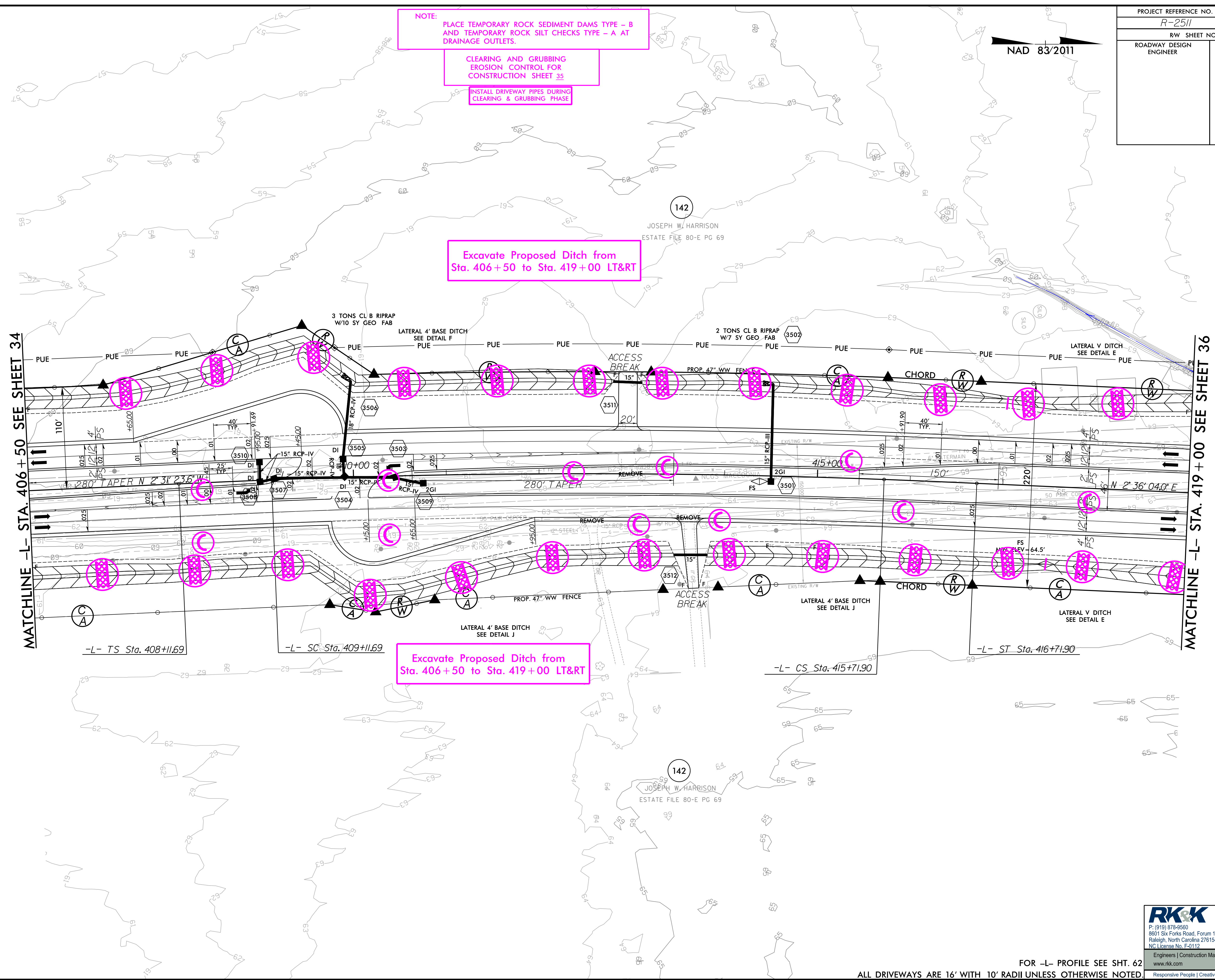
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 35

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 406+50 to Sta. 419+00 LT&RT

Excavate Proposed Ditch from Sta. 406+50 to Sta. 419+00 LT&RT



MATCHLINE -L- STA. 406+50 SEE SHEET 34

MATCHLINE -L- STA. 419+00 SEE SHEET 36

-L- TS Sta. 408+11.69

-L- SC Sta. 409+11.69

-L- CS Sta. 415+71.90

-L- ST Sta. 416+71.90

8/17/99

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FOR -L- PROFILE SEE SHT. 62  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

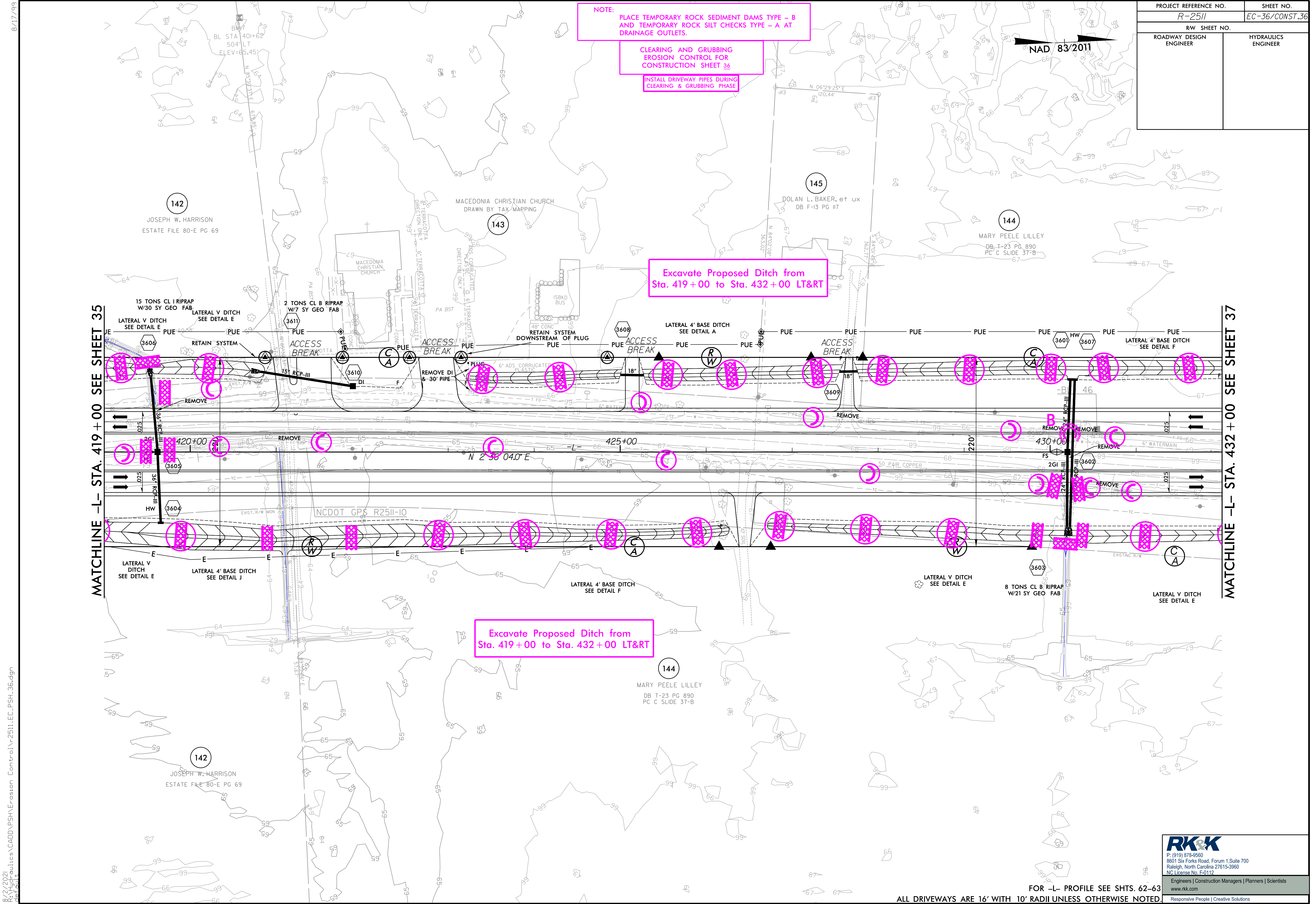
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R/W SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 36  
INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 419+00 to Sta. 432+00 LT&RT

Excavate Proposed Ditch from Sta. 419+00 to Sta. 432+00 LT&RT



NAD 83/2011

MATCHLINE -L- STA. 419+00 SEE SHEET 35

MATCHLINE -L- STA. 432+00 SEE SHEET 37

FOR -L- PROFILE SEE SHTS. 62-63

ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

8/17/99  
8/2/2021  
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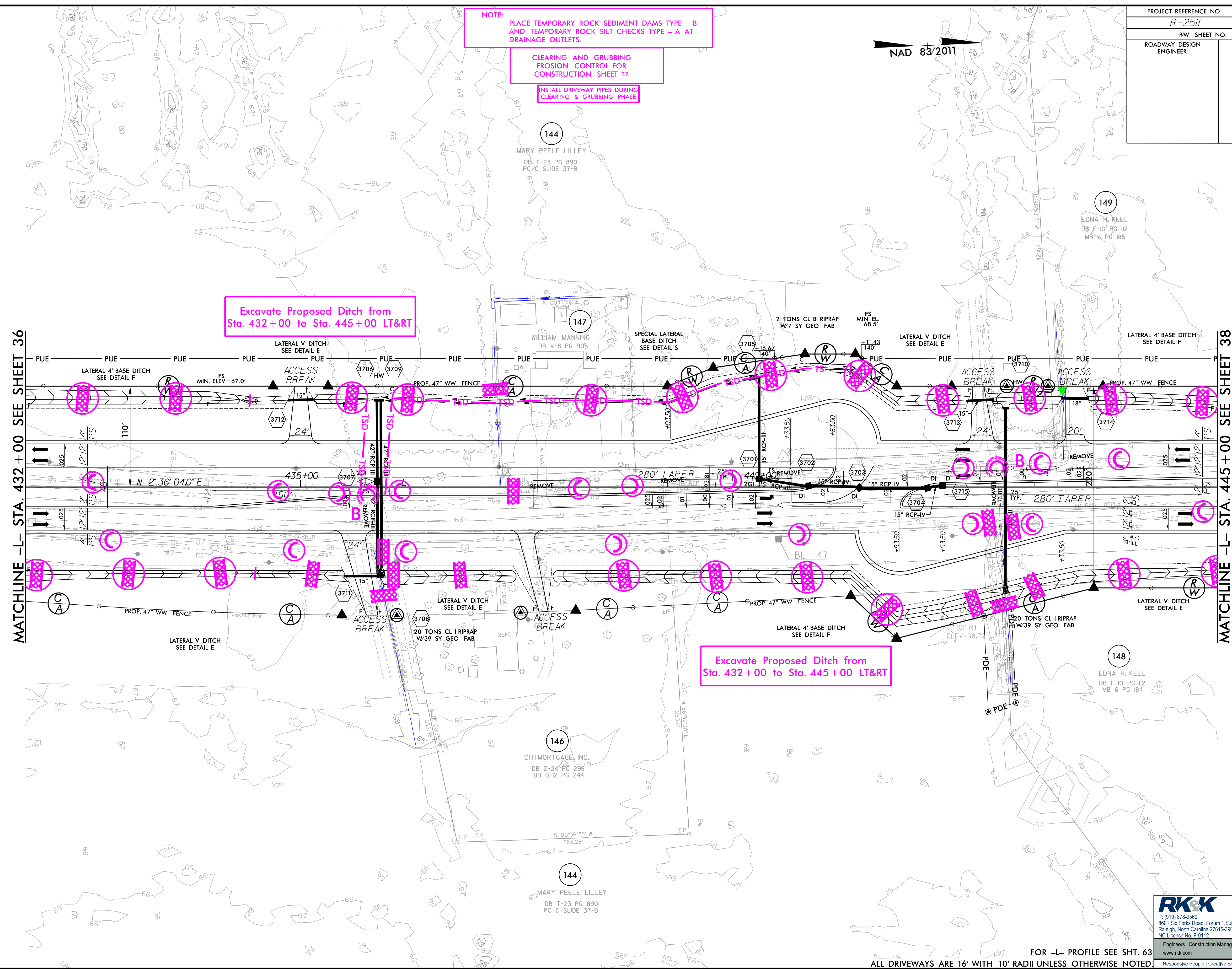
PROJECT REFERENCE NO. R-2511	SHEET NO. EC-37/CONST.37
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 37

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

NAD 83/2011



Excavate Proposed Ditch from Sta. 432+00 to Sta. 445+00 LT&RT

Excavate Proposed Ditch from Sta. 432+00 to Sta. 445+00 LT&RT

MATCHLINE -L- STA. 432+00 SEE SHEET 36

MATCHLINE -L- STA. 445+00 SEE SHEET 38

8/17/99  
8/2/2021  
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FOR -L- PROFILE SEE SHT. 63  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-38/CONST.38
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NAD 83/2011

INSTALL PIPE(S) IN JURISDICTIONAL AREAS WITHOUT IMPACTING STREAM UNTIL AREA STABILIZED AND ACCORDING TO NCDOT BEST MANAGEMENT PRACTICES FOR CONSTRUCTION AND MAINTENANCE ACTIVITIES MANUAL.

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 38

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

2.5 inch Skimmer with 2.375 inch Orifice Diameter  
16 ft. weir with 5.25 ft. weir height  
ID 38-03  
(See Earthen Dam with Skimmer Detail)

3 inch Skimmer with 2.625 inch Orifice Diameter  
22 ft. weir with 5.25 ft. weir height  
ID 38-04  
(See Earthen Dam with Skimmer Detail)

Excavate Proposed Ditch from Sta. 445+00 to Sta. 458+00 LT&RT

Excavate Proposed Ditch from Sta. 445+00 to Sta. 458+00 LT&RT

1.5 inch Skimmer with 1.375 inch Orifice Diameter  
4 ft. weir with 3.5 ft. weir height  
ID 38-01  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.25 inch Orifice Diameter  
5 ft. weir with 2.75 ft. weir height  
ID 38-02  
(See Earthen Dam with Skimmer Detail)

MATCHLINE -L- STA. 445+00 SEE SHEET 37

MATCHLINE -L- STA. 458+00 SEE SHEET 39

8/17/99

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FOR -L- PROFILE SEE SHTS. 63-64  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO.	SHEET NO.
R-2511	EC-39/CONST.39
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

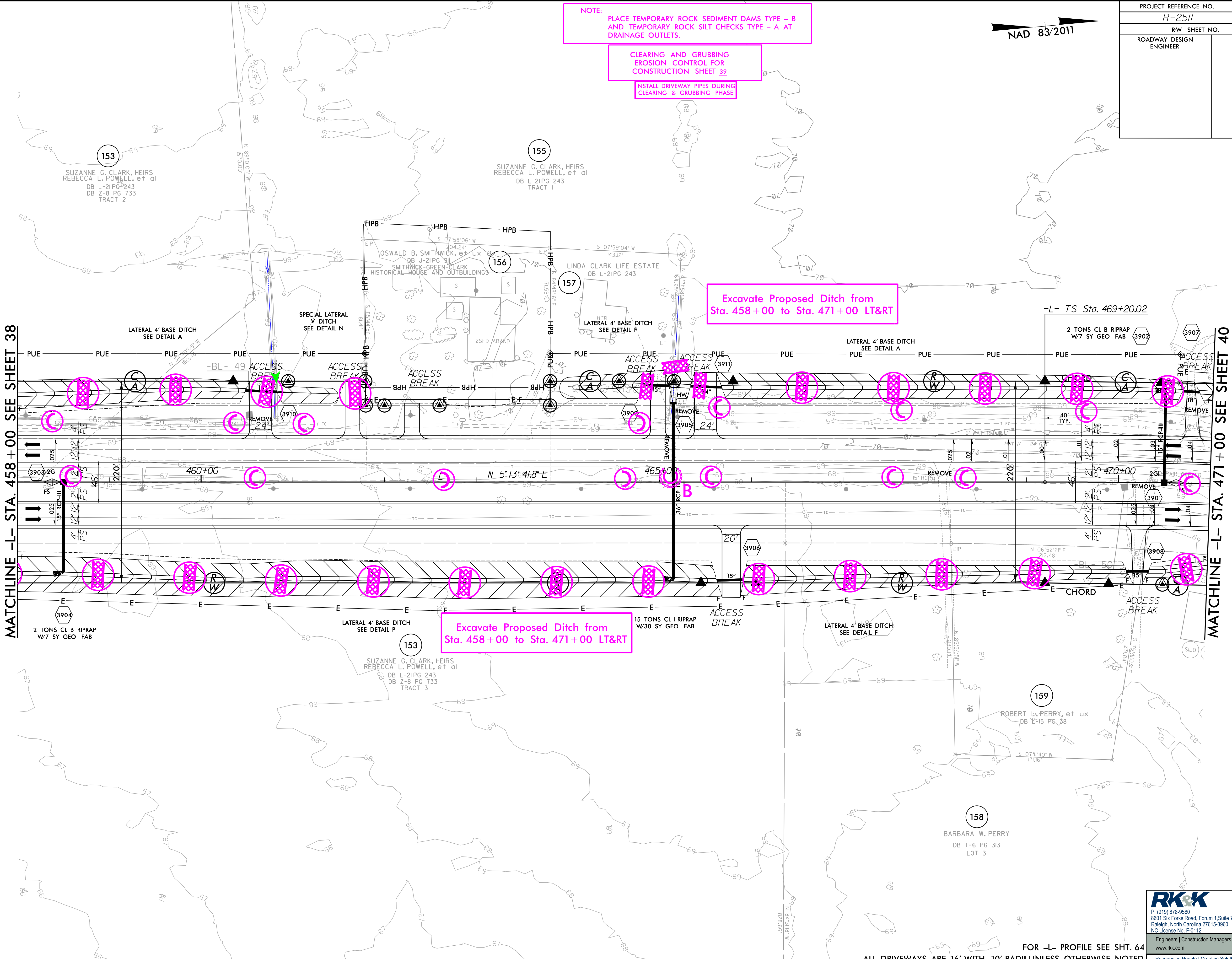
NAD 83/2011

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 39  
INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 458+00 to Sta. 471+00 LT&RT

Excavate Proposed Ditch from Sta. 458+00 to Sta. 471+00 LT&RT



MATCHLINE -L- STA. 458+00 SEE SHEET 38

MATCHLINE -L- STA. 471+00 SEE SHEET 40

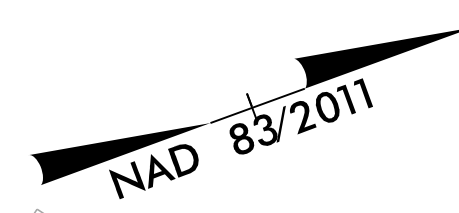
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FOR -L- PROFILE SEE SHT. 64  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-40/CONST.40
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



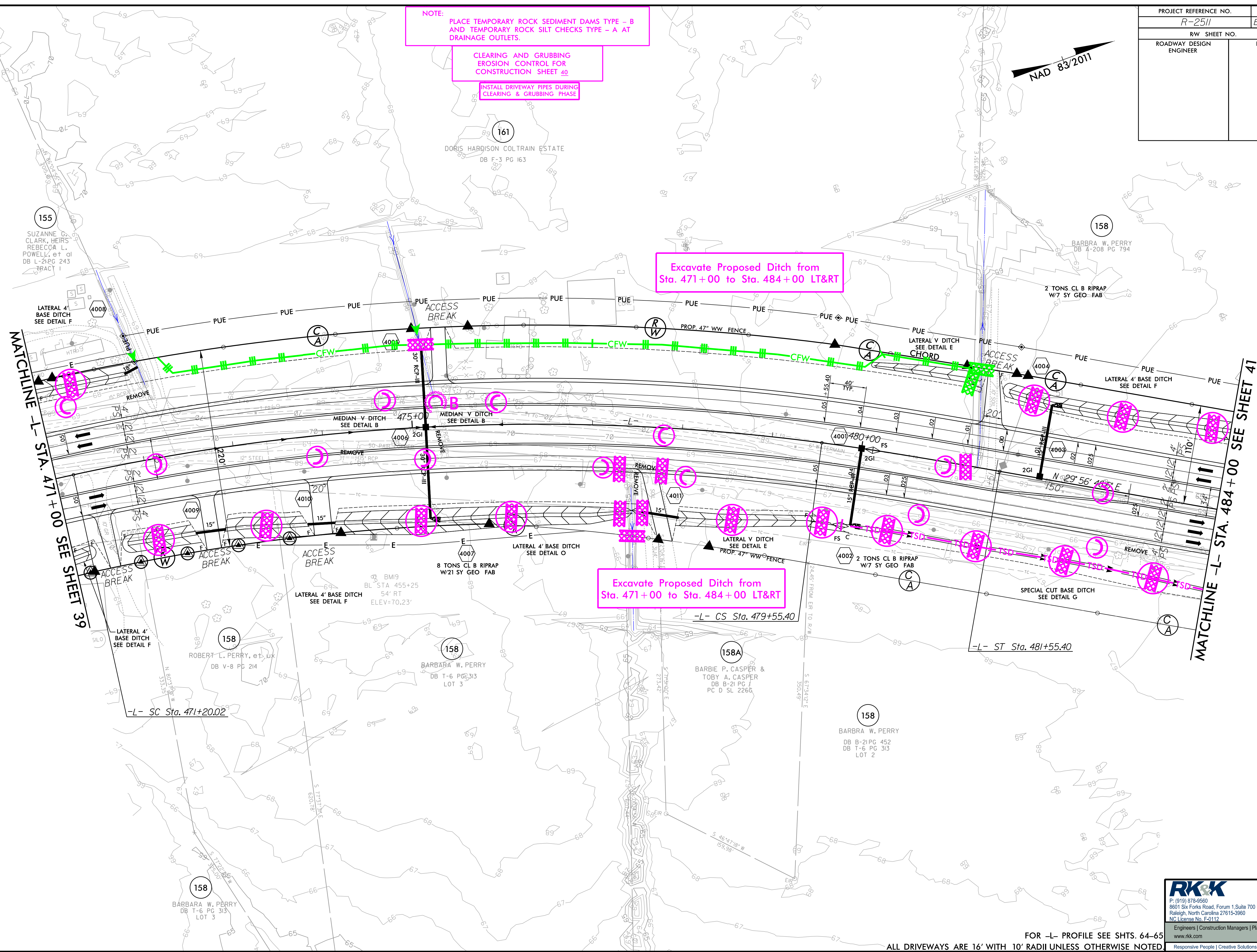
**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 40

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 471+00 to Sta. 484+00 LT&RT

Excavate Proposed Ditch from Sta. 471+00 to Sta. 484+00 LT&RT



8/17/99

8/2/2021  
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FOR -L- PROFILE SEE SHTS. 64-65  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED



PROJECT REFERENCE NO. R-2511	SHEET NO. EC-41/CONST.41
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B  
AND TEMPORARY ROCK SILT CHECKS TYPE - A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 41

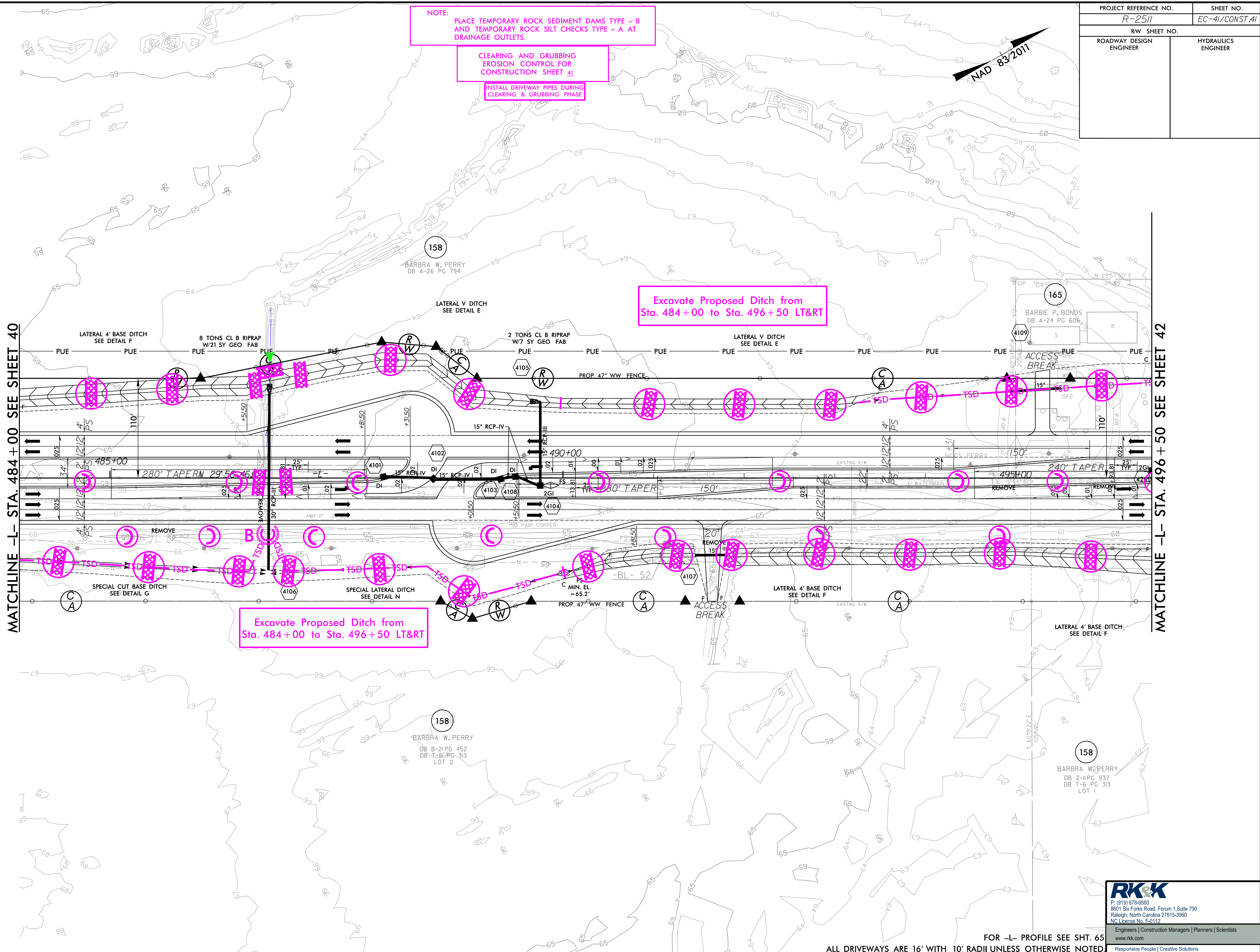
INSTALL DRIVEWAY PIPES DURING  
CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from  
Sta. 484+00 to Sta. 496+50 LT&RT

Excavate Proposed Ditch from  
Sta. 484+00 to Sta. 496+50 LT&RT

MATCHLINE -L- STA. 484+00 SEE SHEET 40

MATCHLINE -L- STA. 496+50 SEE SHEET 42



8/17/99

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FOR -L- PROFILE SEE SHT. 65  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-42/CONST.42
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

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NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 42  
INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

25 x 25 x 3  
1.5 inch Skimmer  
with 0.625 inch Orifice Diameter  
4 ft. weir  
ID 42-05

116 x 26 x 3  
1.5 inch Skimmer  
with 1.5 inch Orifice Diameter  
8 ft. weir  
ID 42-04

Excavate Proposed Ditch from Sta. 496+50 to Sta. 509+00 LT&RT

Excavate Proposed Ditch from Sta. 496+50 to Sta. 509+00 LT&RT

94 x 18 x 3  
1.5 inch Skimmer  
with 1.125 inch Orifice Diameter  
4 ft. weir  
ID 42-02

76 x 18 x 3  
1.5 inch Skimmer  
with 1.0 inch Orifice Diameter  
4 ft. weir  
ID 42-01

138 x 28 x 3  
2.0 inch Skimmer  
with 1.625 inch Orifice Diameter  
11 ft. weir  
ID 42-03

END CONSTRUCTION  
-Y8- Sta.14+75.00

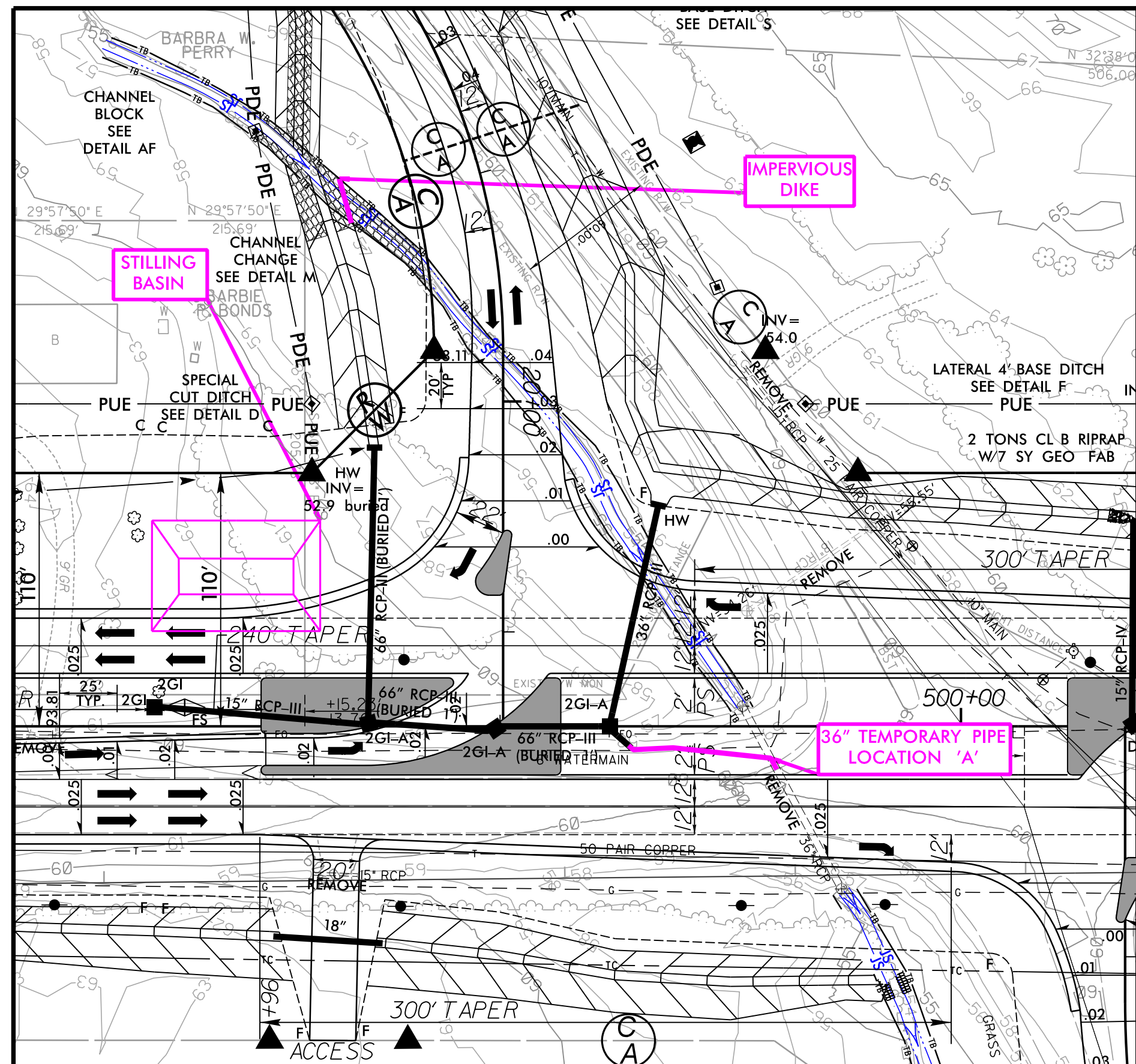
MATCHLINE -L- STA. 496+50 SEE SHEET 41

MATCHLINE -L- STA. 509+00 SEE SHEET 43

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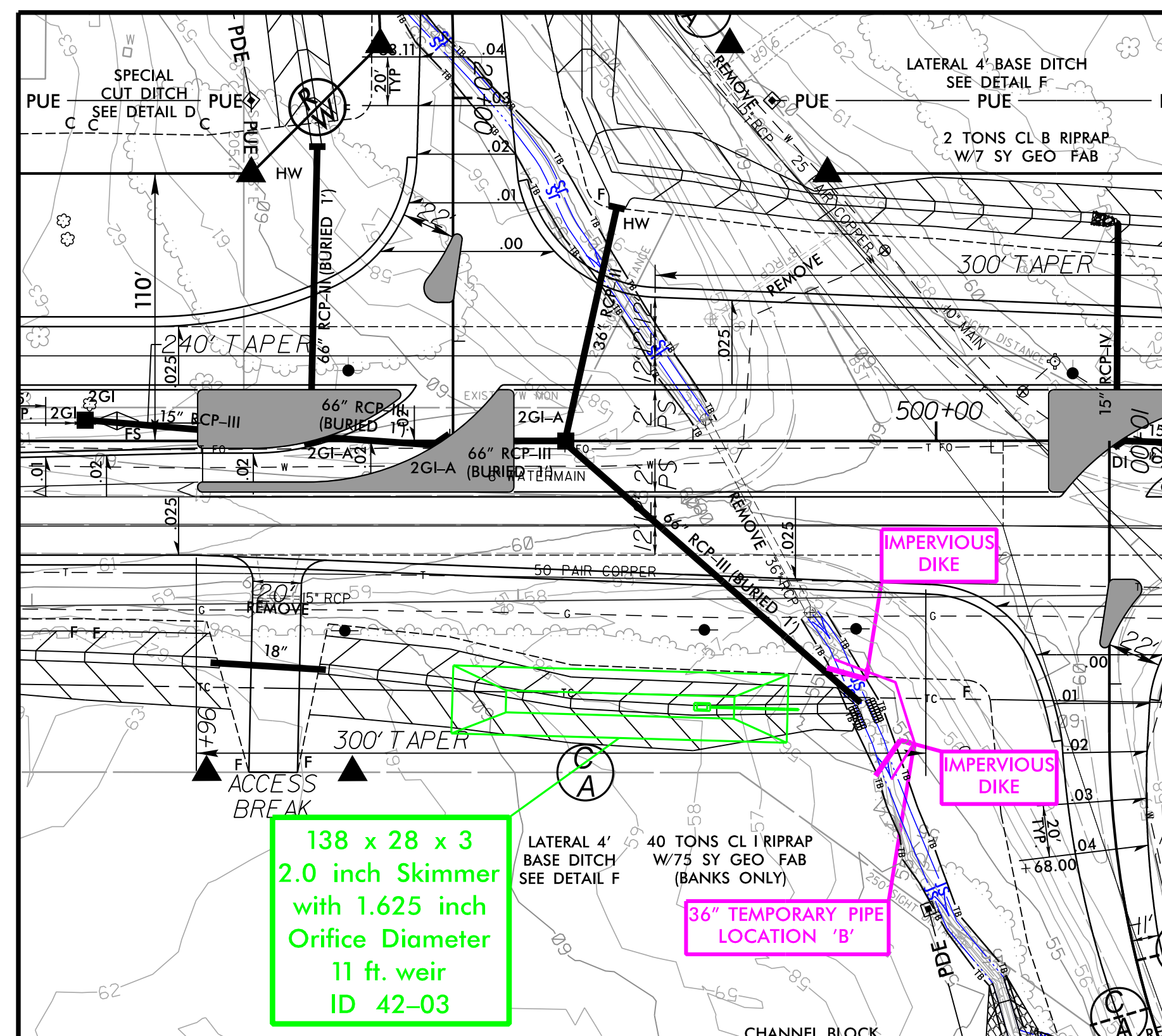
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PROJECT REFERENCE NO.	SHEET NO.
R-2511	EC-42A/CONST.42
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



## PIPE INSTALLATION SEQUENCE 1 STA. 498+90 -L-

1. INSTALL STILLING BASIN WITH CAPACITY 171 CU. YD. AT INLET END OF THE PROPOSED PIPES.
2. INSTALL TEMPORARY SHORING AS PER ROADWAY PLANS. MAINTAIN 2-WAY TRAFFIC ON EXISTING PAVEMENT.
3. CONSTRUCT STRUCTURE #'S 4205, 4202, 4203, 4204, AND 4206.
4. CONSTRUCT CHANNEL CHANGE AS PER DETAIL SHOWN IN ROADWAY PLANS.
5. INSTALL IMPERVIOUS DIKE. REMOVE APPROXIMATELY 10' OF EXISTING 36" PIPE AND INSTALL 36" TEMPORARY PIPE AT LOCATION 'A'.
6. RE-ROUTE STREAM THROUGH NEW DITCH, PIPES, DRAINAGE STRUCTURES, TEMPORARY PIPE, AND EXISTING 36" PIPE.
7. CONSTRUCT PAVEMENT AS PER ROADWAY PLANS INCLUDING PAVEMENT ON -Y7-.
8. SWITCH TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT.



## PIPE INSTALLATION SEQUENCE 2 STA. 498+90 -L-

1. UTILIZE SKIMMER BASIN 42-03 AT OUTLET END OF THE PROPOSED PIPES.
2. INSTALL 36" TEMPORARY PIPE AT LOCATION 'B'. INSTALL IMPERVIOUS DIKE.
3. RE-ROUTE STREAM THROUGH TEMPORARY PIPE AT PROPOSED PIPE OUTLET.
4. INSTALL APPROXIMATELY 132 LF OF 66" RC PIPE FROM DRAINAGE STRUCTURE # 4204.
5. REMOVE STILLING BASIN AND TEMPORARY PIPE LOCATION 'A' AND LOCATION 'B' AND IMPERVIOUS DIKES.
6. RE-ROUTE STREAM THROUGH NEW DRAINAGE SYSTEM.
7. CONSTRUCT ROADWAY PAVEMENT AS PER ROADWAY PLANS.

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PROJECT REFERENCE NO.	R-2511	SHEET NO.	EC-43/CONST.43
RW SHEET NO.		ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

2 inch Skimmer with 1.625 inch Orifice Diameter  
8 ft. weir with 4.5 ft. weir height  
ID 43-05  
(See Earthen Dam with Skimmer Detail)

DRAIN POND AND VERIFY BOTTOM OF POND ELEVATION. TIE LOW FLOW CHANNEL IN POND TO #4314 INVERT AT ELEVATION 48.0'. USE CHANNEL CHANGE DETAIL M. AT A SLOPE NOT TO EXCEED 0.50%. FILL MAY BE REQUIRED BASED ON POND ELEVATION. DO NOT EXTEND CONSTRUCTION IMPACTS BEYOND LIMITS OF POND. CONSTRUCTION WITHIN POND MAY CAUSE TEMPORARY IMPACTS TO WETLAND WH.

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 43  
INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

2.0 inch Skimmer with 1.75 inch Orifice Diameter  
9 ft. weir with 4 ft. weir height  
ID 43-01  
(See Earthen Dam with Skimmer Detail)

Excavate Proposed Ditch from Sta. 509+00 to Sta. 522+00 LT&RT

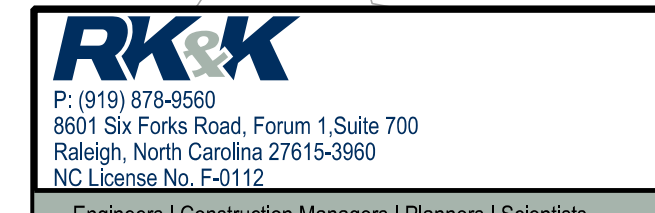
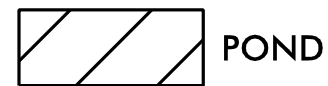
1.5 inch Skimmer with 1.5 inch Orifice Diameter  
5 ft. weir with 3.75 ft. weir height  
ID 43-02  
(See Earthen Dam with Skimmer Detail)

NO CONTROL OF ACCESS FENCE TO BE PLACED ON PARCEL 179

Excavate Proposed Ditch from Sta. 509+00 to Sta. 522+00 LT&RT

1.5 inch Skimmer with 0.75 inch Orifice Diameter  
4 ft. weir with 3.5 ft. weir height  
ID 43-03  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 0.75 inch Orifice Diameter  
4 ft. weir with 2.75 ft. weir height  
ID 43-04  
(See Earthen Dam with Skimmer Detail)



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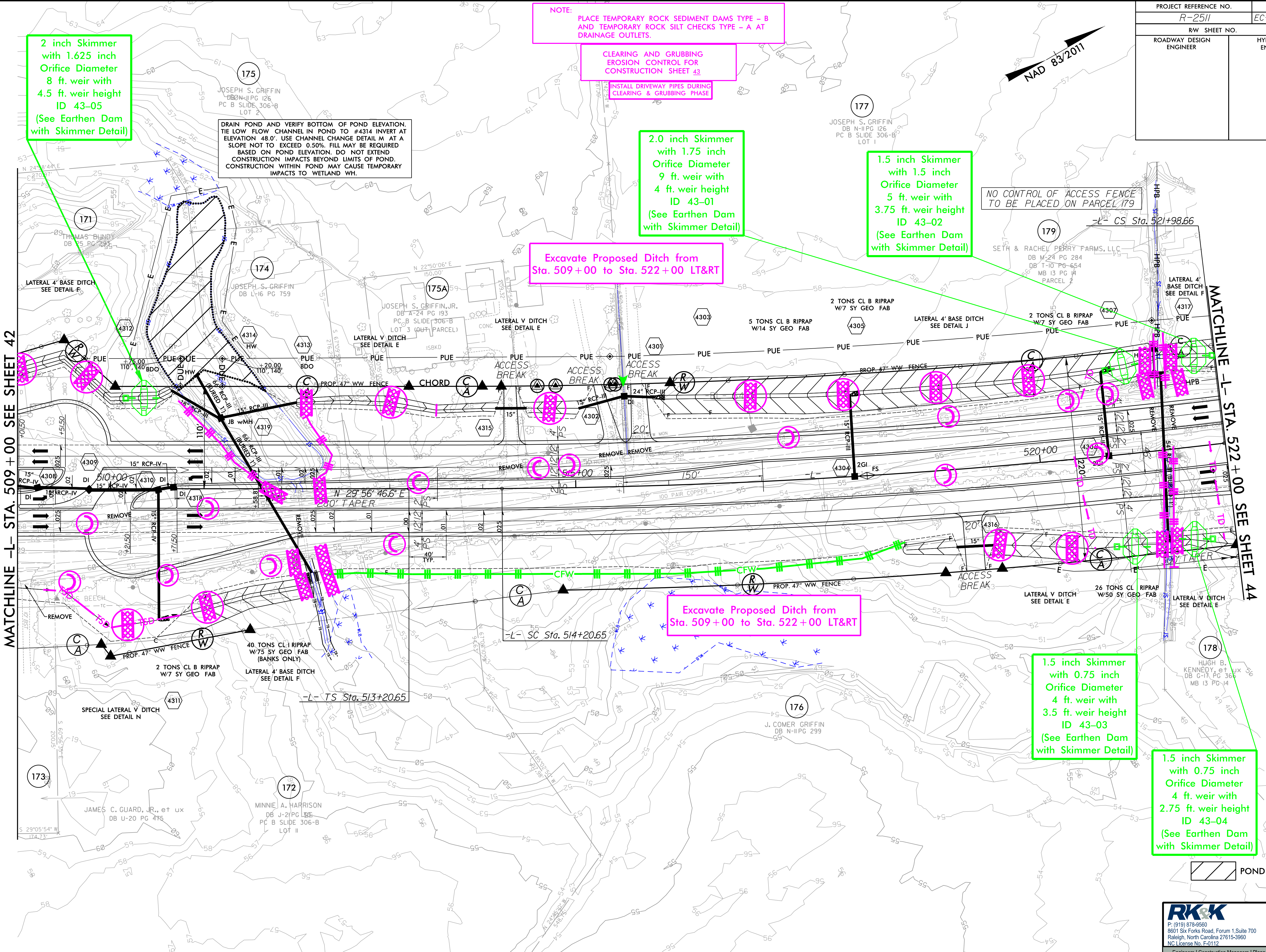
FOR -L- PROFILE SEE SHTS. 65-66  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

8/17/19

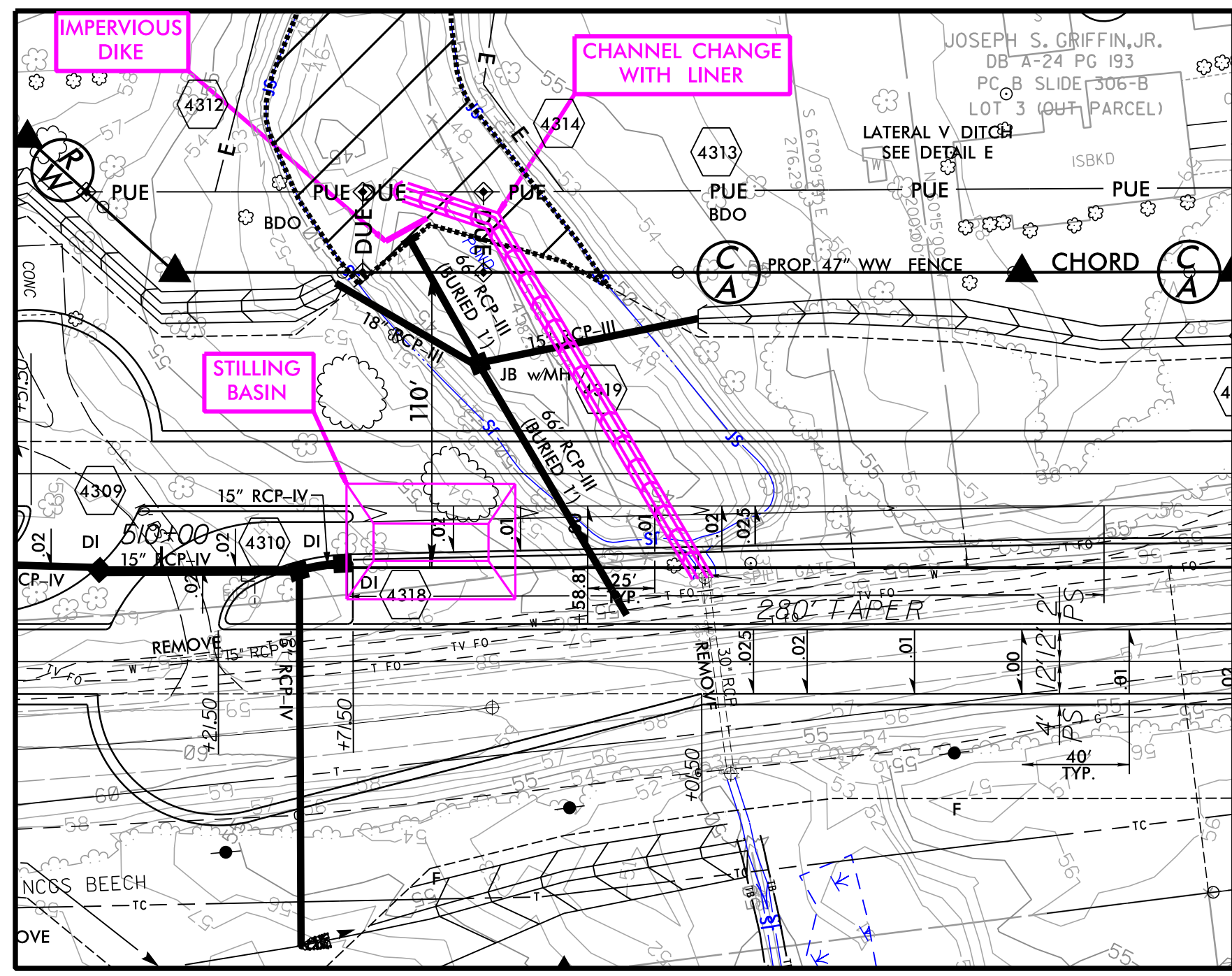
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MATCHLINE -L- STA. 509+00 SEE SHEET 42

MATCHLINE -L- STA. 522+00 SEE SHEET 44

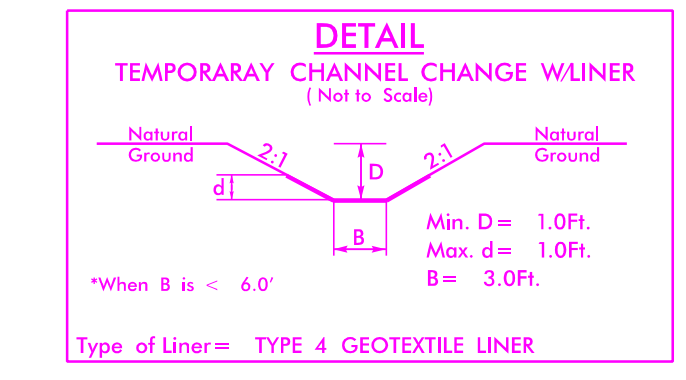


PROJECT REFERENCE NO.	SHEET NO.
R-2511	EC-43A/CONST.43
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

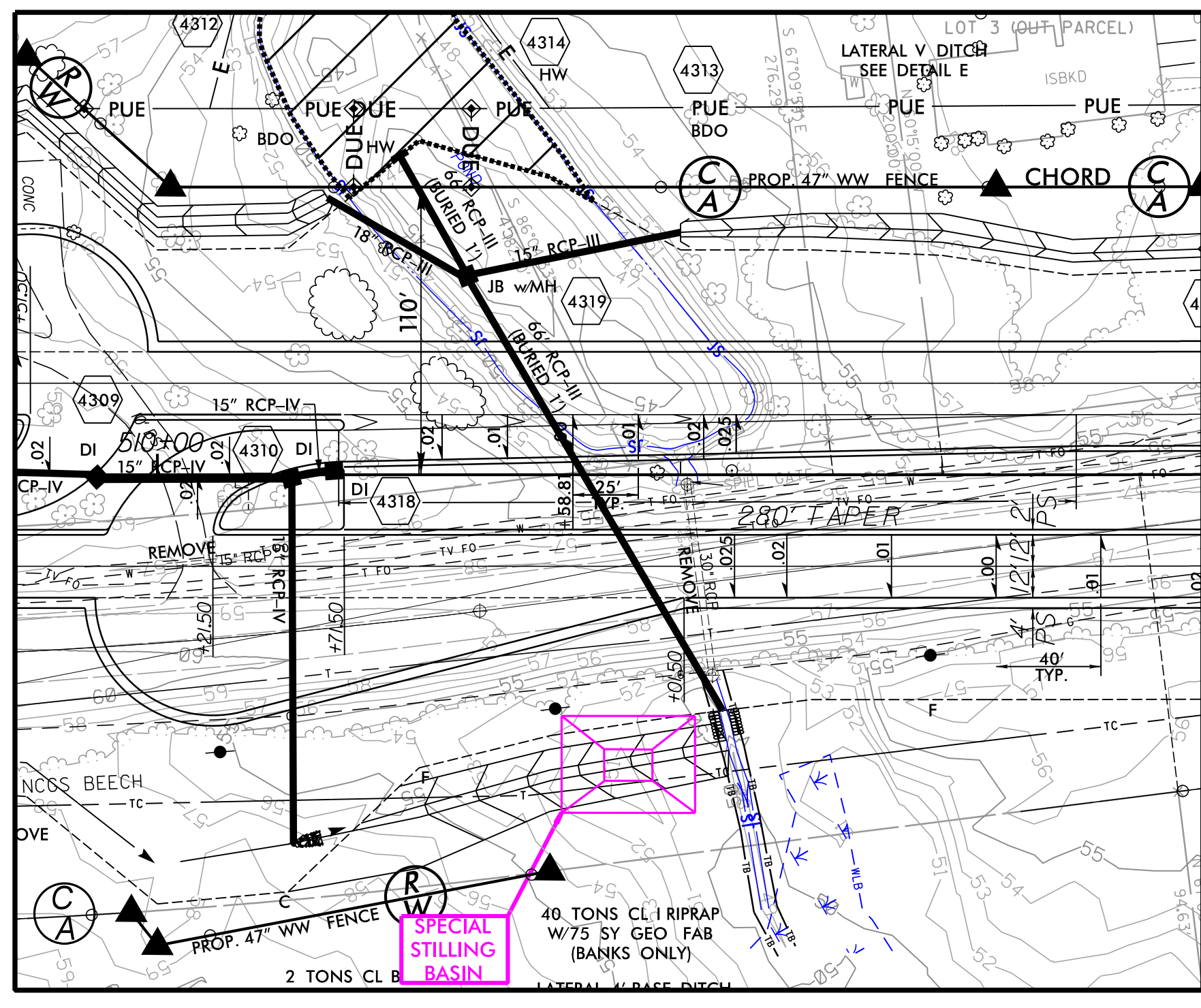


### PIPE INSTALLATION SEQUENCE 1 STA. 512+13 -L-

1. DRAIN EXISTING POND AS PER ROADWAY PLANS. ADD FILL AS NECESSARY TO ACHIEVE AN ELEVATION OF 49'.
2. INSTALL STILLING BASIN WITH A MINIMUM CAPACITY OF 117 CU YD. AT INLET END OF THE PROPOSED PIPES.
3. INSTALL IMPERVIOUS DIKE AT INLET END.
4. INSTALL APPROXIMATELY 191 LF TEMPORARY CHANNEL CHANGE WITH LINER. TIE TO EXISTING DITCH.
5. INSTALL APPROXIMATELY 170 LF OF 66" RC PIPE INCLUDING STRUCTURE #4319.
6. REMOVE STILLING BASIN AT INLET END OF THE PROPOSED PIPES.
7. CONSTRUCT PROPOSED ROADWAY PAVEMENT AS PER ROADWAY PLANS.
8. SWITCH TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT.



### PIPE INSTALLATION SEQUENCE 2 STA. 512+13 -L-



1. UTILIZE SPECIAL STILLING BASIN AT OUTLET END OF THE PROPOSED PIPES.
2. SET UP ONE LANE, 2-WAY TRAFFIC AS SHOWN ON TRAFFIC CONTROL PLANS.
3. INSTALL APPROXIMATELY 65 LF OF 66" RC PIPE. UTILIZE PUMP AROUND OPERATIONS TO INSTALL REMAINING 10' OF 66" RC PIPE AND RIP RAP AT PIPE OUTLET.
4. REMOVE IMPERVIOUS DIKE. FILL IN TEMPORARY CHANNEL CHANGE WITH LINER AND STILLING BASIN AT THE OUTLET END.
5. DIVERT STREAM THROUGH NEW PIPES. FILL EXISTING 30" PIPE WITH FLOWABLE FILL.

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-44/CONST.44
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 44

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

NO CONTROL OF ACCESS FENCE TO BE PLACED ON THIS PARCEL

Excavate Proposed Ditch from Sta. 522+00 to Sta. 533+00 LT&RT

Excavate Proposed Ditch from Sta. 522+00 to Sta. 533+00 LT&RT

DO NOT DISTURB BARN

END CONSTRUCTION -Y9- Sta.13+10.00



MATCHLINE -L- STA. 522+00 SEE SHEET 43

MATCHLINE -L- STA. 533+00 SEE SHEET 45

8/17/99

8/2/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-45/CONST.45
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



**NOTE:**  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

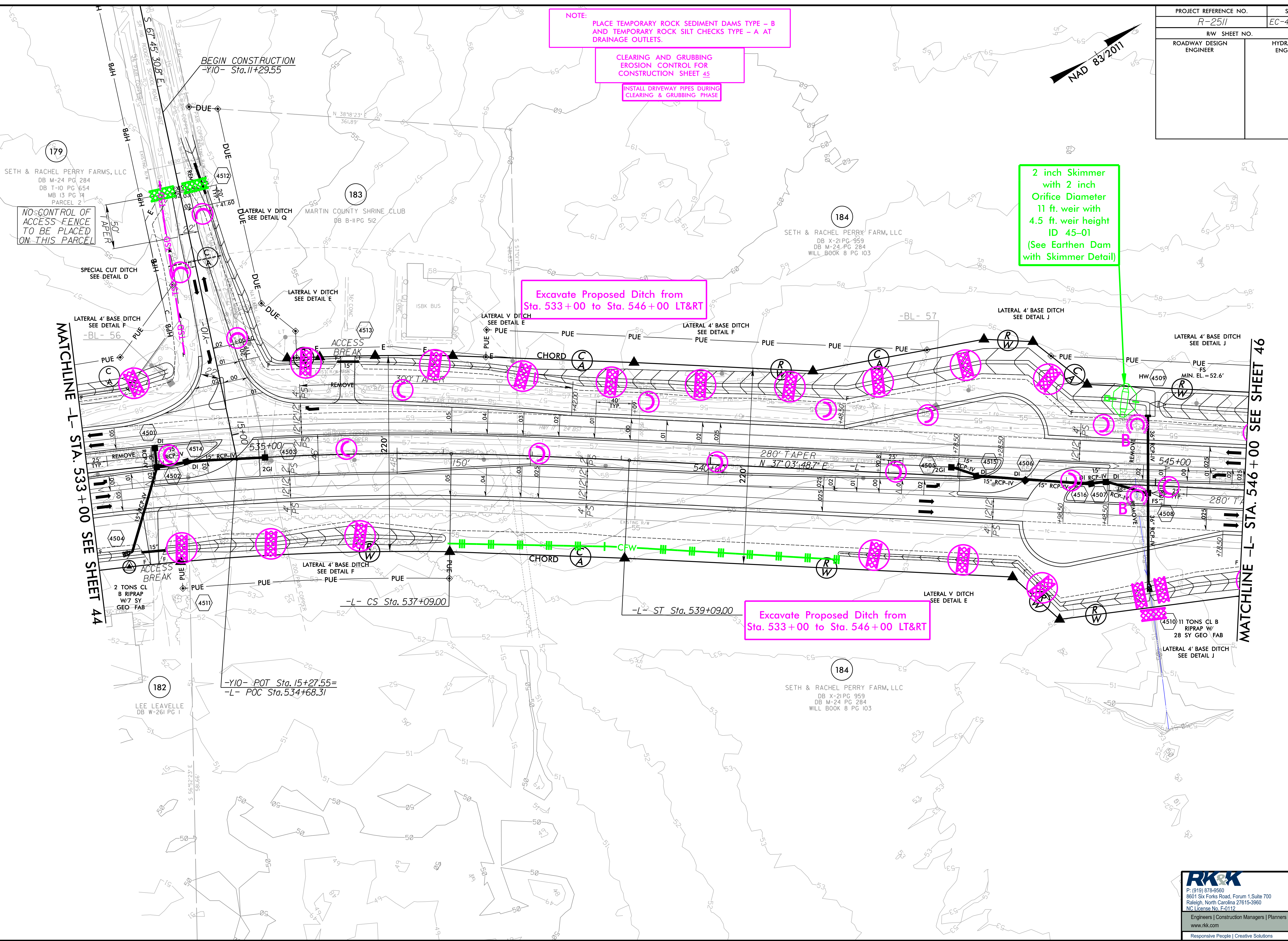
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 45

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

2 inch Skimmer with 2 inch Orifice Diameter  
11 ft. weir with 4.5 ft. weir height  
ID 45-01  
(See Earthen Dam with Skimmer Detail)

Excavate Proposed Ditch from Sta. 533+00 to Sta. 546+00 LT&RT

Excavate Proposed Ditch from Sta. 533+00 to Sta. 546+00 LT&RT



NO CONTROL OF ACCESS FENCE TO BE PLACED ON THIS PARCEL

MATCHLINE -L- STA. 533+00 SEE SHEET 44

MATCHLINE -L- STA. 546+00 SEE SHEET 46

8/17/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-46/CONST.46
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

8/17/19

NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

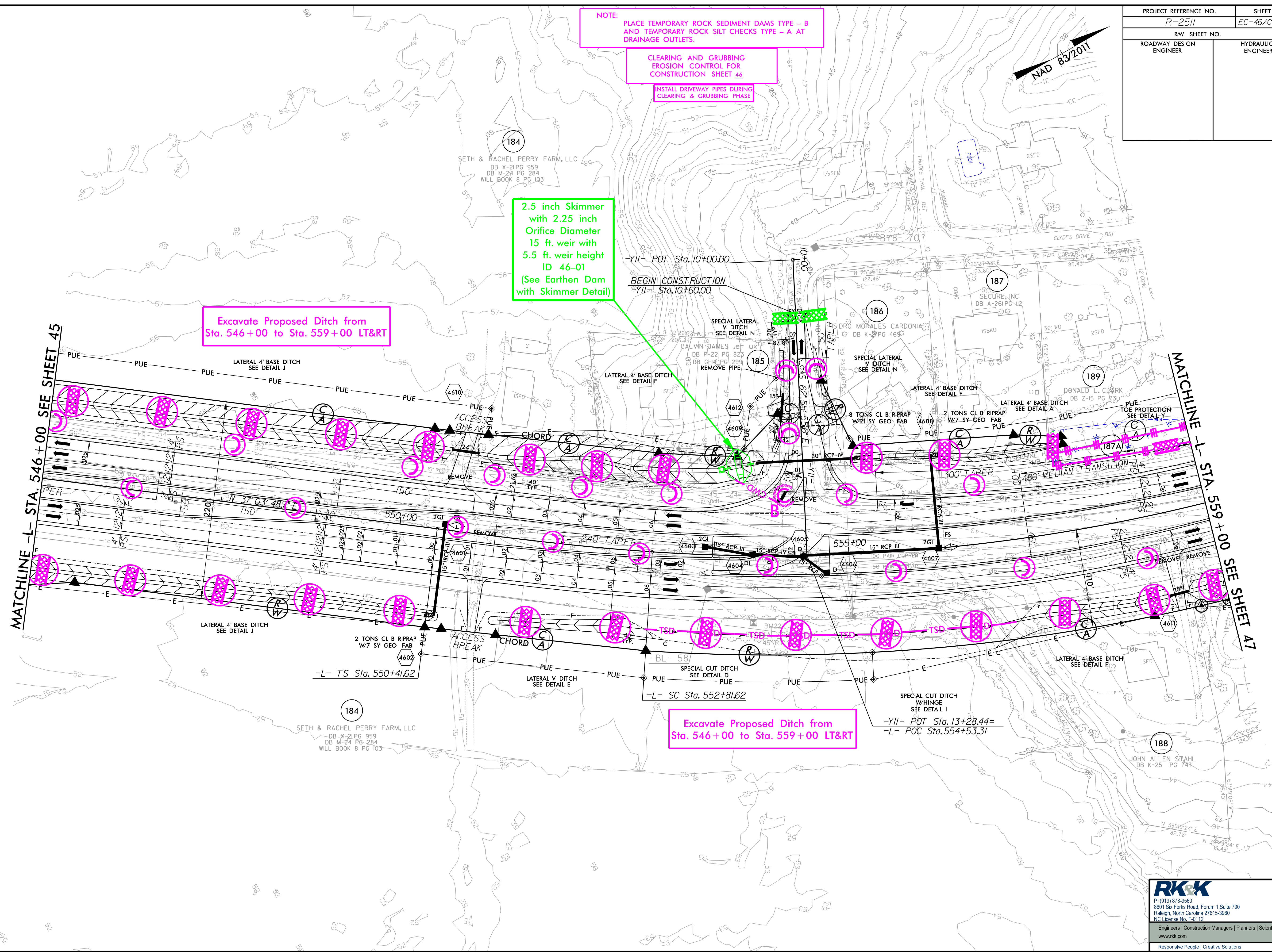
CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 46

INSTALL DRIVEWAY PIPES DURING  
CLEARING & GRUBBING PHASE

2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
15 ft. weir with  
5.5 ft. weir height  
ID 46-01  
(See Earthen Dam  
with Skimmer Detail)

Excavate Proposed Ditch from  
Sta. 546+00 to Sta. 559+00 LT&RT

Excavate Proposed Ditch from  
Sta. 546+00 to Sta. 559+00 LT&RT



8/2/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-47/CONST.47
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	ENGINEER

NAD 83/2011

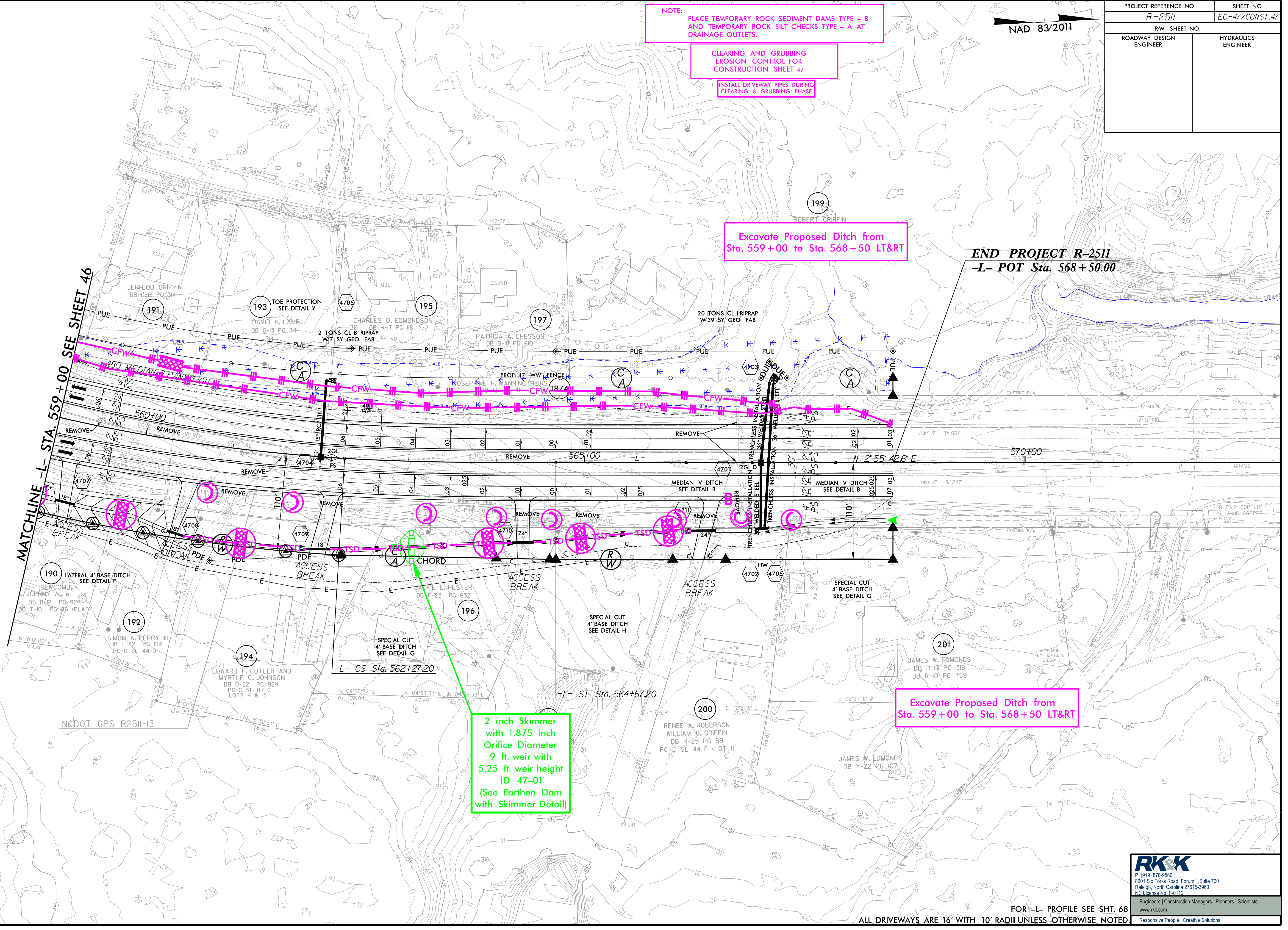
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE - B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 47

INSTALL DRIVEWAY PIPES DURING CLEARING & GRUBBING PHASE

Excavate Proposed Ditch from Sta. 559+00 to Sta. 568+50 LT&RT

END PROJECT R-2511  
-L- POT Sta. 568+50.00



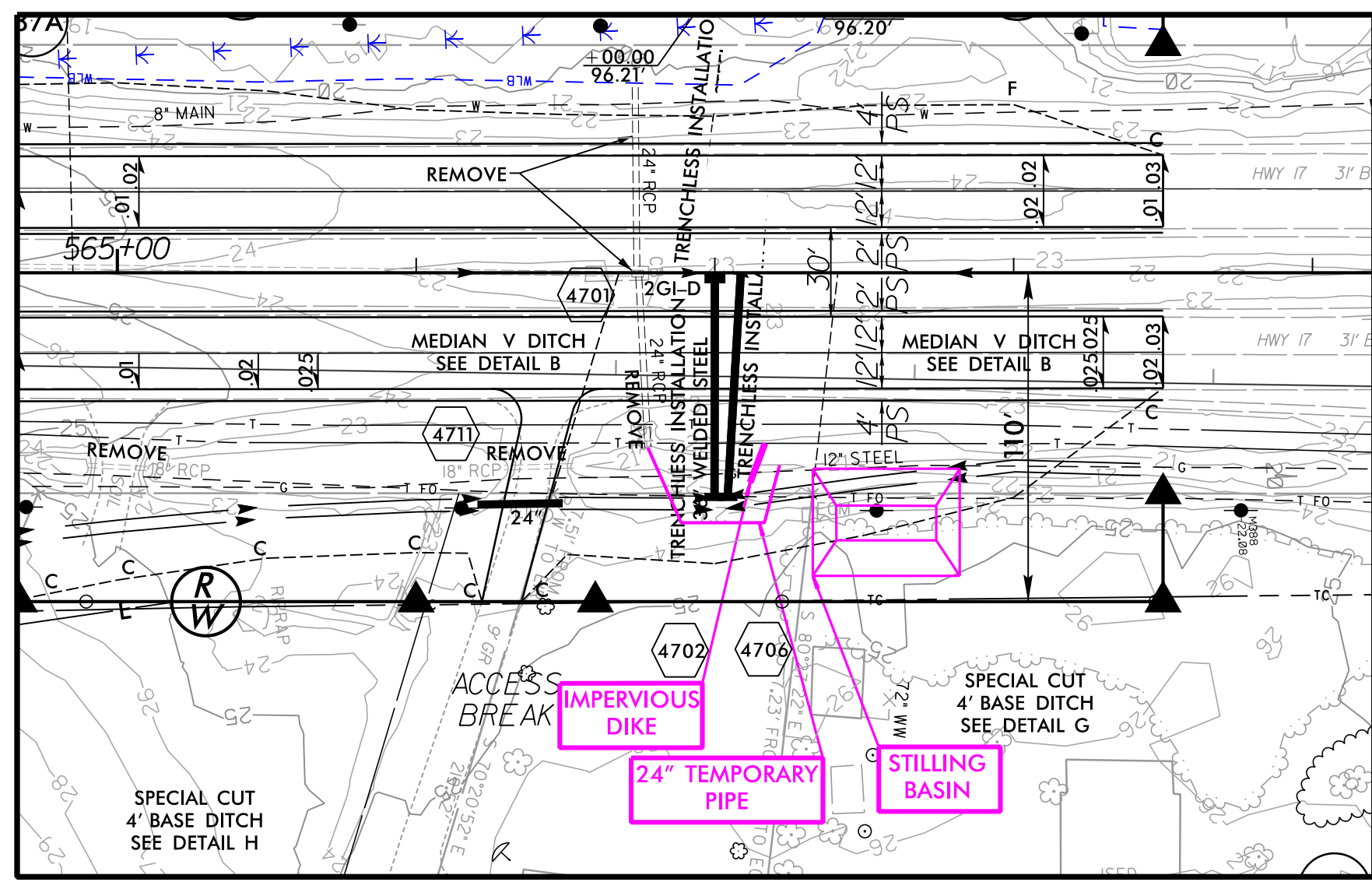
2 inch Skimmer with 1.875 inch Orifice Diameter  
9 ft. weir with 5.25 ft. weir height  
ID 47-01  
(See Earthen Dam with Skimmer Detail)

Excavate Proposed Ditch from Sta. 559+00 to Sta. 568+50 LT&RT

8/17/99  
8/2/2021  
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NCDOT GPS R2511-I3

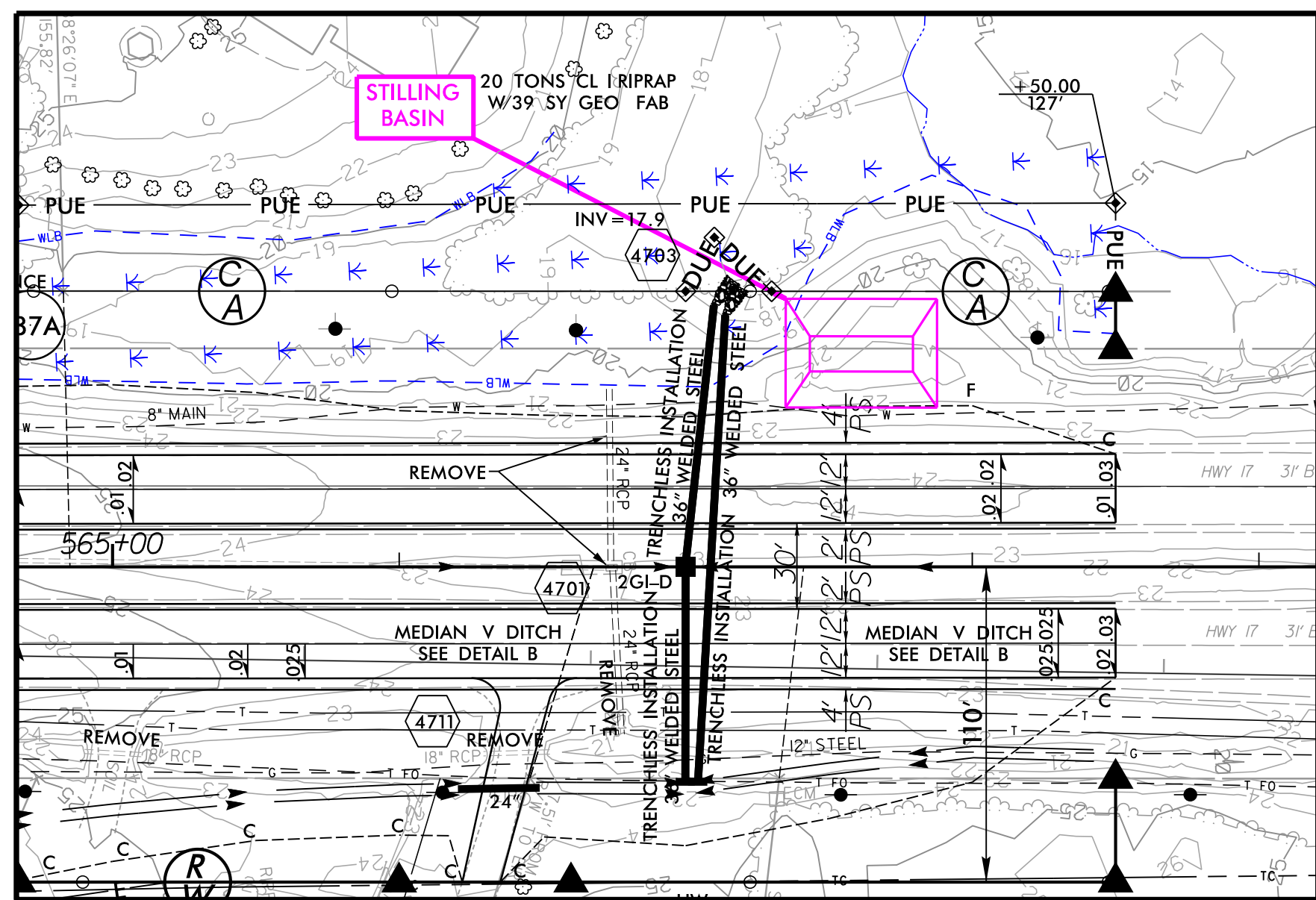
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PROJECT REFERENCE NO.	SHEET NO.
R-2511	EC-47A/CONST.47
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



## PIPE INSTALLATION SEQUENCE 1 STA. 567+00 -L-

1. MAINTAIN WATER FLOW THROUGH EXISTING PIPES.
2. INSTALL STILLING BASIN WITH MINIMUM CAPACITY OF 57 CU YD AT THE INLET END OF THE PROPOSED PIPES.
3. INSTAL APPROXIMATELY 75 LF OF TEMPORARY PIPE. INSTALL IMPERVIOUS DIKE AT INLET END OF THE PROPOSED PIPES.
4. SET UP ONE LANE, 2-WAY TRAFFIC AS SHOWN ON TRAFFIC CONTROL PLANS.
5. INSTALL APPORXIMATELY 75' OF 2@36" RC PIPES INCLUDING STRUCTURE # 4701.
6. REMOVE STILLING BASIN AT THE INLET END OF THE PROPOSED PIPES.



## PIPE INSTALLATION SEQUENCE 2 STA. 567+00 -L-

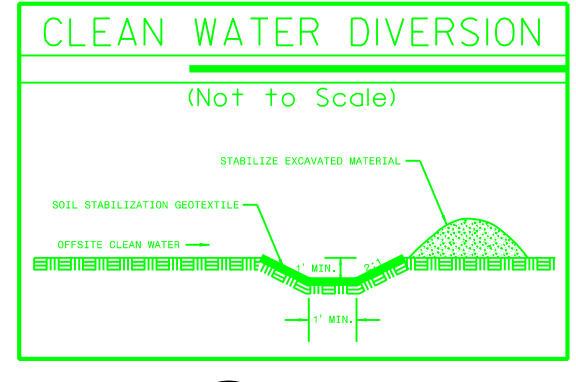
1. INSTALL STILLING BASIN AT OUTLET END OF THE PROPOSED PIPES WITH A MINIMUM CAPACITY OF 68 CU YD.
2. SET UP ONE LANE, TWO-WAY TRAFFIC AS SHOWN ON TRAFFIC CONTROL PLANS.
3. INSTALL APPROXIMATELY 90 LF OF 2@36" RC PIPES.
4. REMOVE TEMPORARY PIPE, IMPERVIOUS DIKE, AND STILLING BASIN AT OUTLET END OF THE PROPOSED PIPES.
5. DIVERT STREAM THROUGH NEW PIPES.
6. FILL EXISTING PIPES UNDER ROADWAY WITH FLOWABLE FILL.

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PROJECT REFERENCE NO. <i>R-2511</i>		SHEET NO. <i>EC-48/CONST.4</i>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

Place Matting for Erosion Control on Slope as Work Allows. Sta. 18+00 to Sta. 19+00 LT

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



1  
DAVID LEE LAWRENCE, JR.  
DB 1431 PG 103

1.5 inch Skimmer with 1.25 inch Orifice Diameter  
4 ft. weir with 4 ft. weir height  
ID 4-01  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.0 inch Orifice Diameter  
4 ft. weir with 3.25 ft. weir height  
ID 4-03  
(See Earthen Dam with Skimmer Detail)

2.0 inch Skimmer with 2.0 inch Orifice Diameter  
15 ft. weir with 3.25 ft. weir height  
ID 4-04  
(See Earthen Dam with Skimmer Detail)

2  
MCDONALD GAUTIER, III  
DB 1258 PG 57

68 x 18 x 3  
1.5 inch Skimmer with 1.0 inch Orifice Diameter  
4 ft. weir  
ID 4-02

4  
MAXWELL P. CHESNUTT FAMILY TRUST  
DB 1124 PG 2

1.5 inch Skimmer with 1.125 inch Orifice Diameter  
4 ft. weir with 3.25 ft. weir height  
ID 4-05  
(See Earthen Dam with Skimmer Detail)

**BEGIN PROJECT R-2511**  
Begin Construction  
-L- CS Sta. 7+50.00

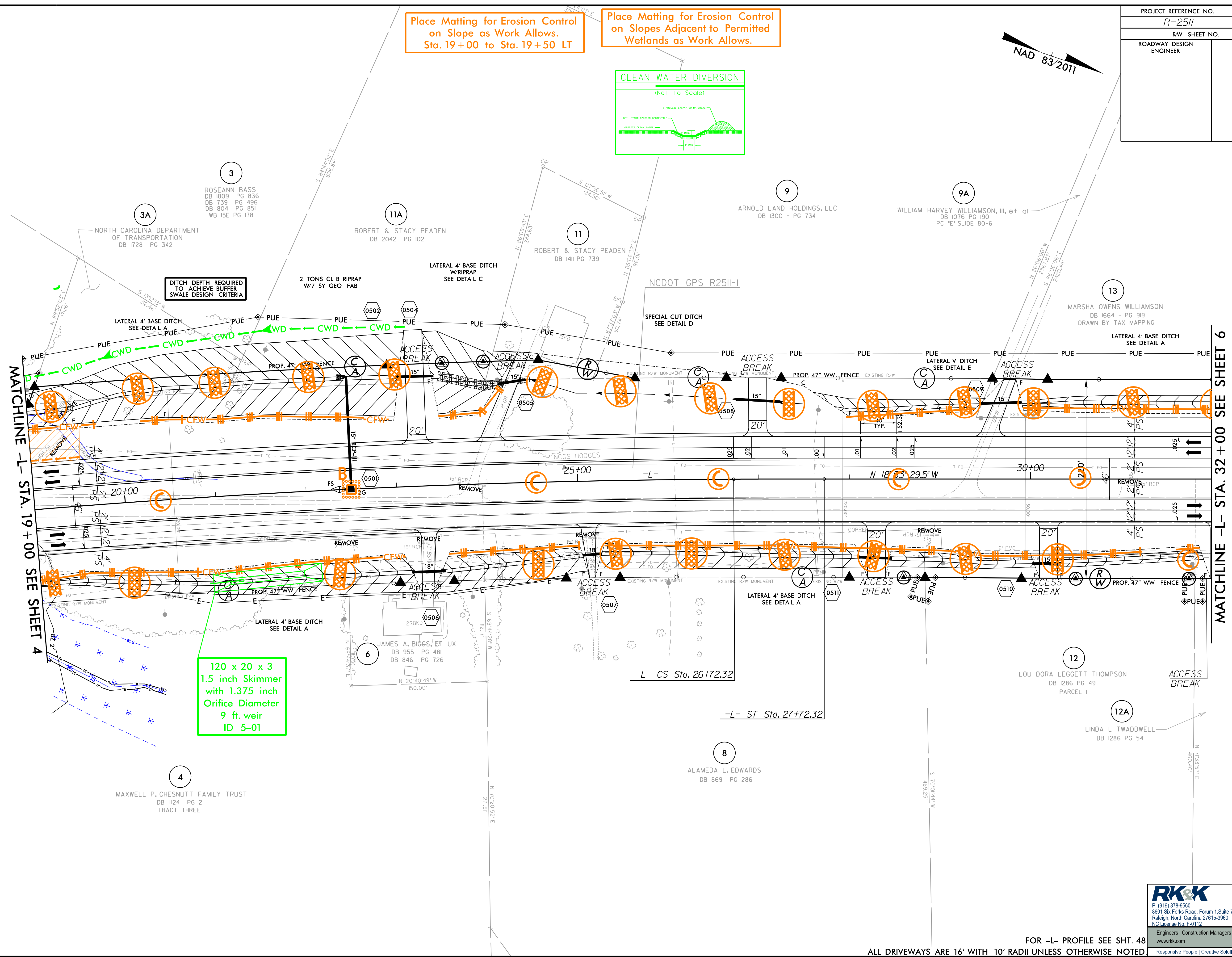
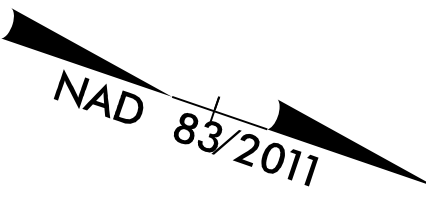
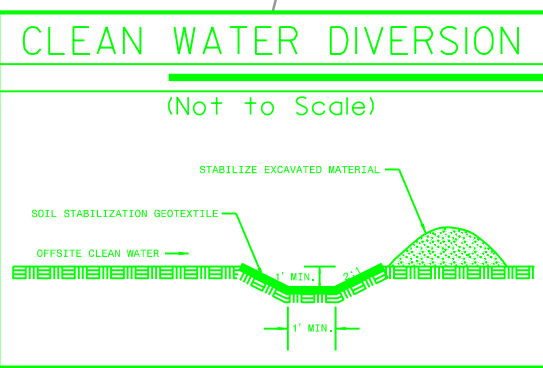
MATCHLINE -L- STA. 19+00 SEE SHEET 5

8/17/19  
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PROJECT REFERENCE NO. <i>R-2511</i>	SHEET NO. <i>EC-49/CONST.5</i>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Place Matting for Erosion Control on Slope as Work Allows. Sta. 19+00 to Sta. 19+50 LT

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



DITCH DEPTH REQUIRED TO ACHIEVE BUFFER SWALE DESIGN CRITERIA

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
9 ft. weir  
ID 5-01

MATCHLINE -L- STA. 19+00 SEE SHEET 4

MATCHLINE -L- STA. 32+00 SEE SHEET 6

8/17/99

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FOR -L- PROFILE SEE SHT. 48  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-50/CONST.6
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

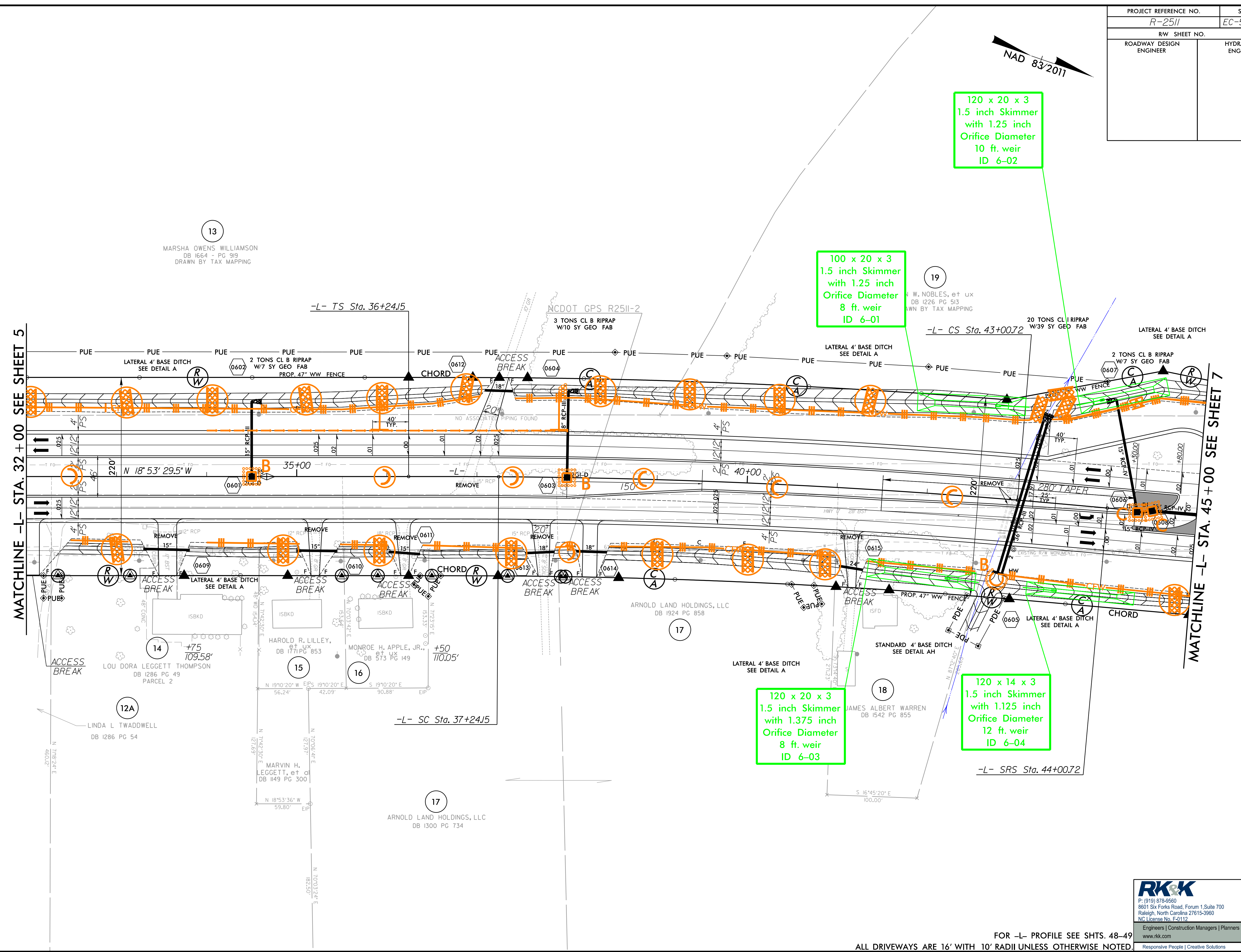


120 x 20 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
10 ft. weir  
ID 6-02

100 x 20 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
8 ft. weir  
ID 6-01

120 x 14 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
12 ft. weir  
ID 6-04

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
8 ft. weir  
ID 6-03



MATCHLINE -L- STA. 32+00 SEE SHEET 5

MATCHLINE -L- STA. 45+00 SEE SHEET 7

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FOR -L- PROFILE SEE SHTS. 48-49  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-51/CONST.7
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

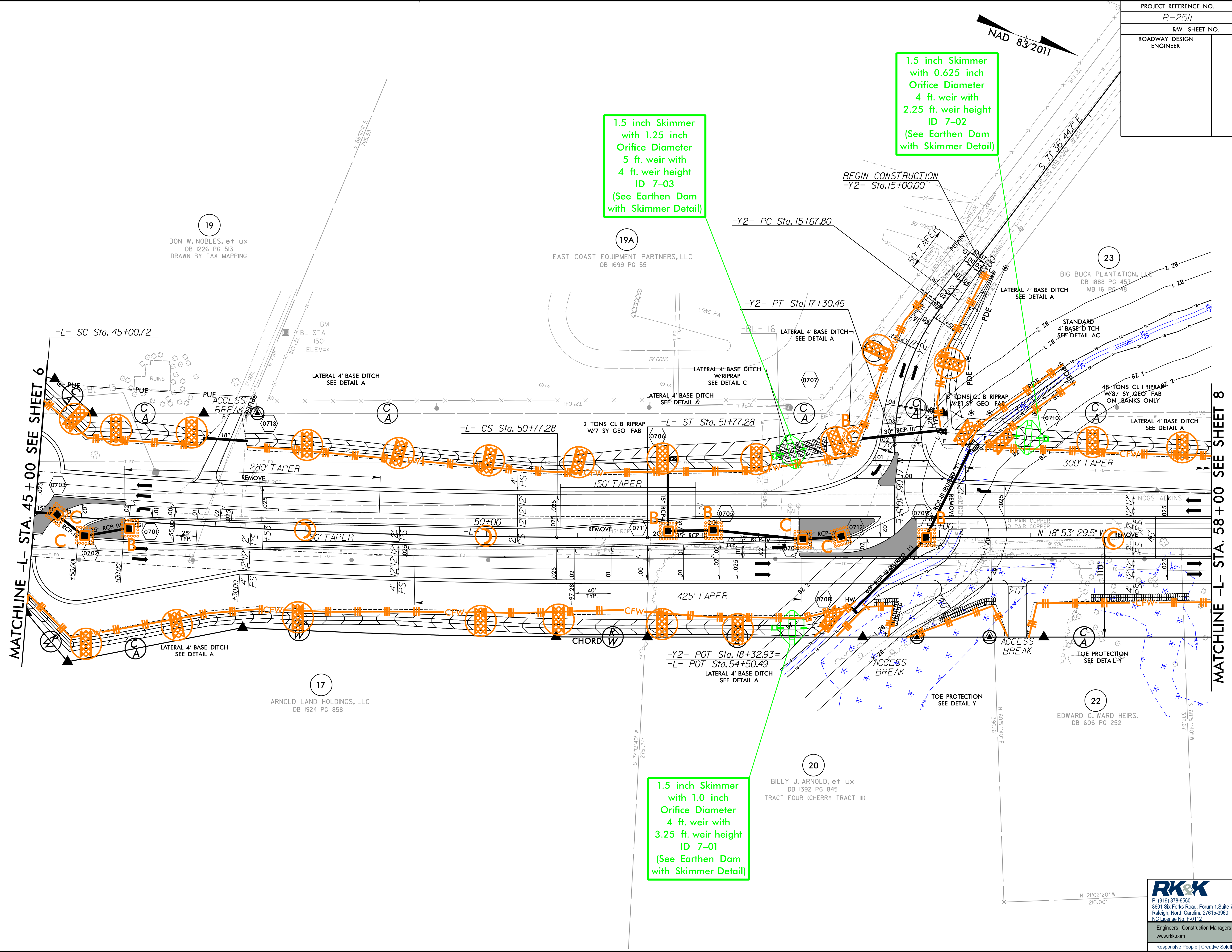
1.5 inch Skimmer with 0.625 inch Orifice Diameter  
4 ft. weir with 2.25 ft. weir height  
ID 7-02  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.25 inch Orifice Diameter  
5 ft. weir with 4 ft. weir height  
ID 7-03  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.0 inch Orifice Diameter  
4 ft. weir with 3.25 ft. weir height  
ID 7-01  
(See Earthen Dam with Skimmer Detail)

8/17/99

8/19/2021  
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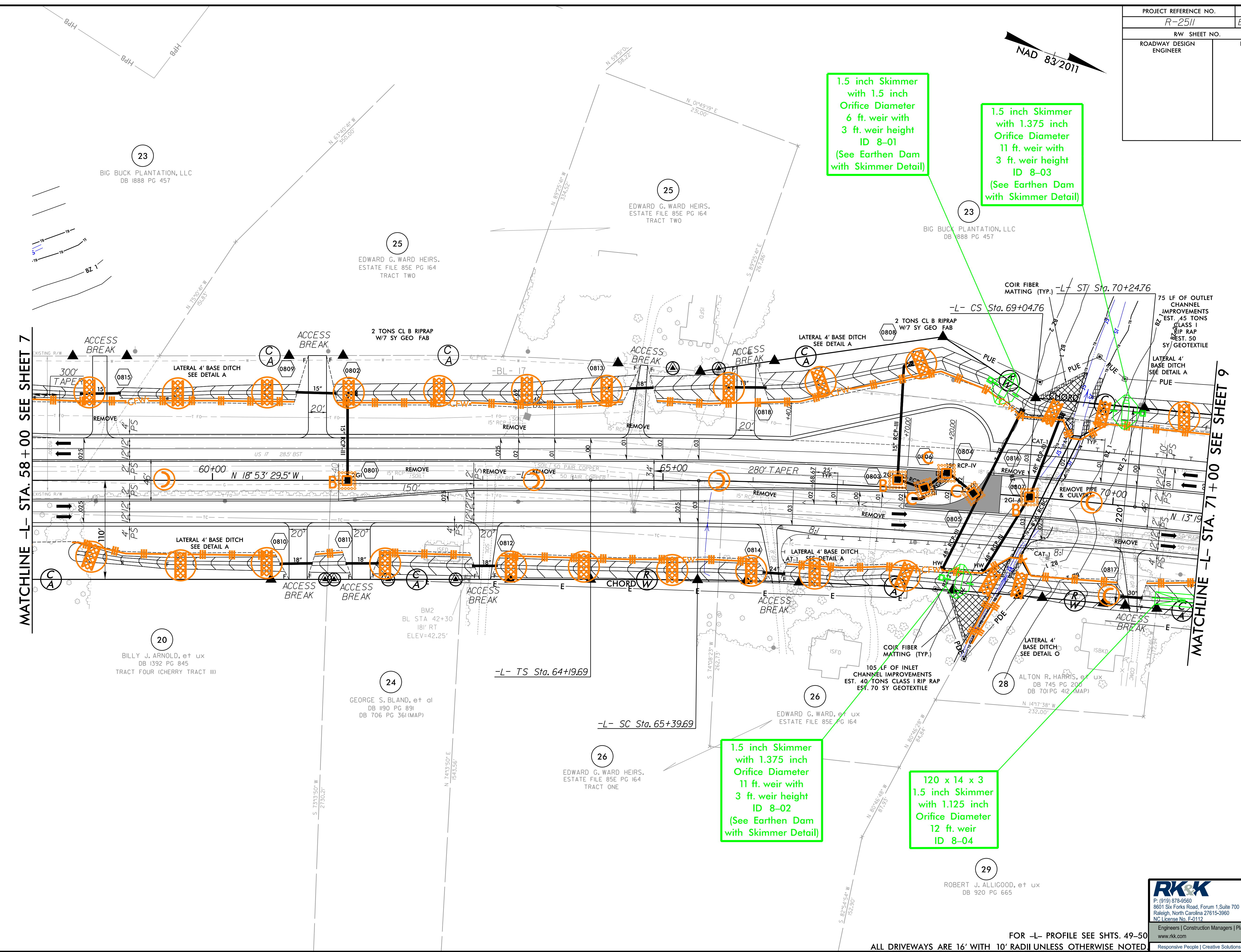


MATCHLINE -L- STA. 45+00 SEE SHEET 6

MATCHLINE -L- STA. 58+00 SEE SHEET 8

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-52/CONST.8
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
6 ft. weir with  
3 ft. weir height  
ID 8-01  
(See Earthen Dam  
with Skimmer Detail)

1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
11 ft. weir with  
3 ft. weir height  
ID 8-03  
(See Earthen Dam  
with Skimmer Detail)

1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
11 ft. weir with  
3 ft. weir height  
ID 8-02  
(See Earthen Dam  
with Skimmer Detail)

120 x 14 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
12 ft. weir  
ID 8-04

MATCHLINE -L- STA. 58+00 SEE SHEET 7

MATCHLINE -L- STA. 71+00 SEE SHEET 9

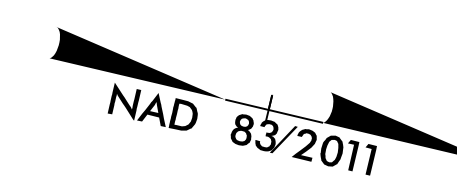
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FOR -L- PROFILE SEE SHTS. 49-50  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

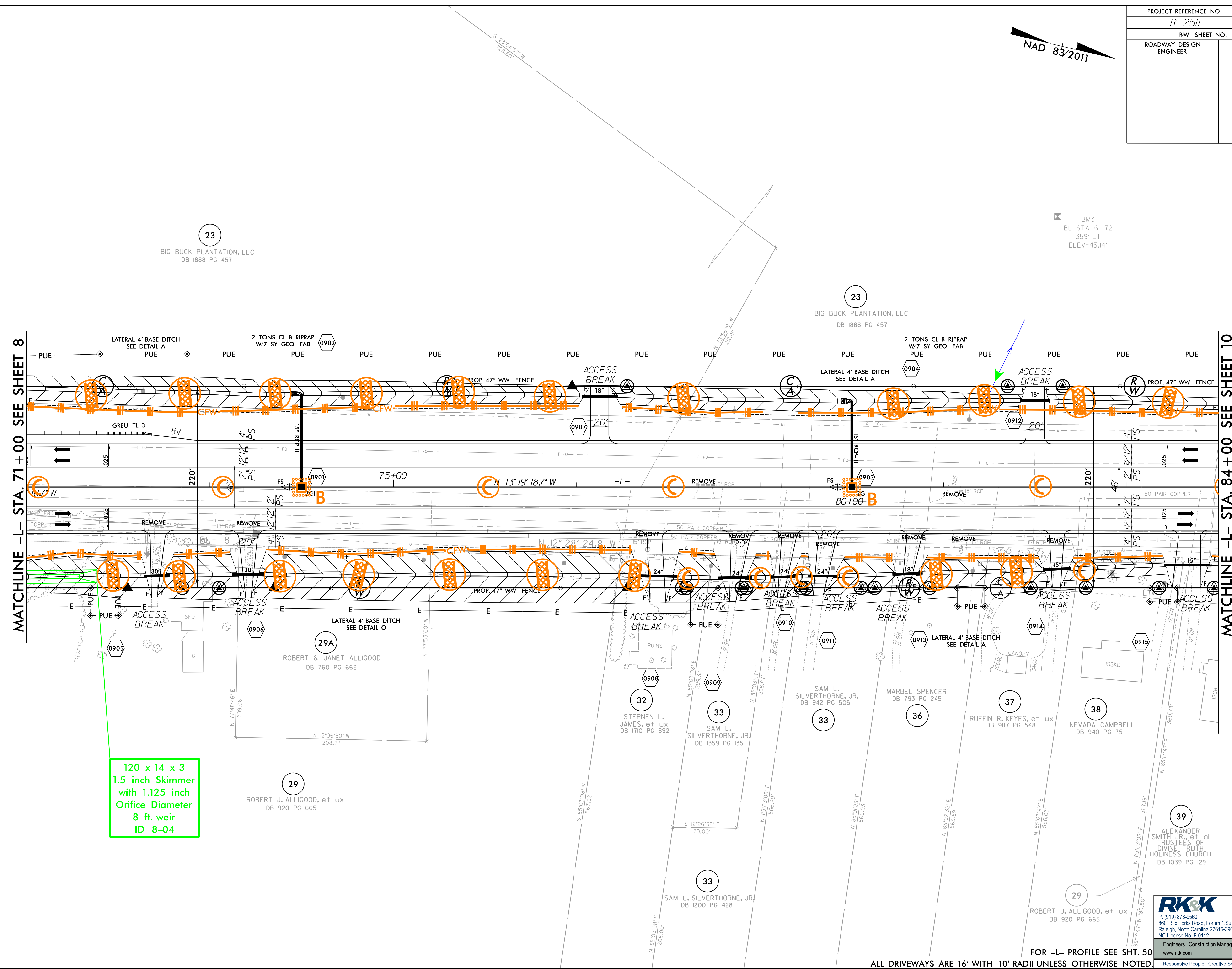
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PROJECT REFERENCE NO. R-2511		SHEET NO. EC-53/CONST.9	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER			



8/17/99

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120 x 14 x 3  
1.5 inch Skimmer  
with 1.125 inch  
Orifice Diameter  
8 ft. weir  
ID 8-04

MATCHLINE -L- STA. 71+00 SEE SHEET 8

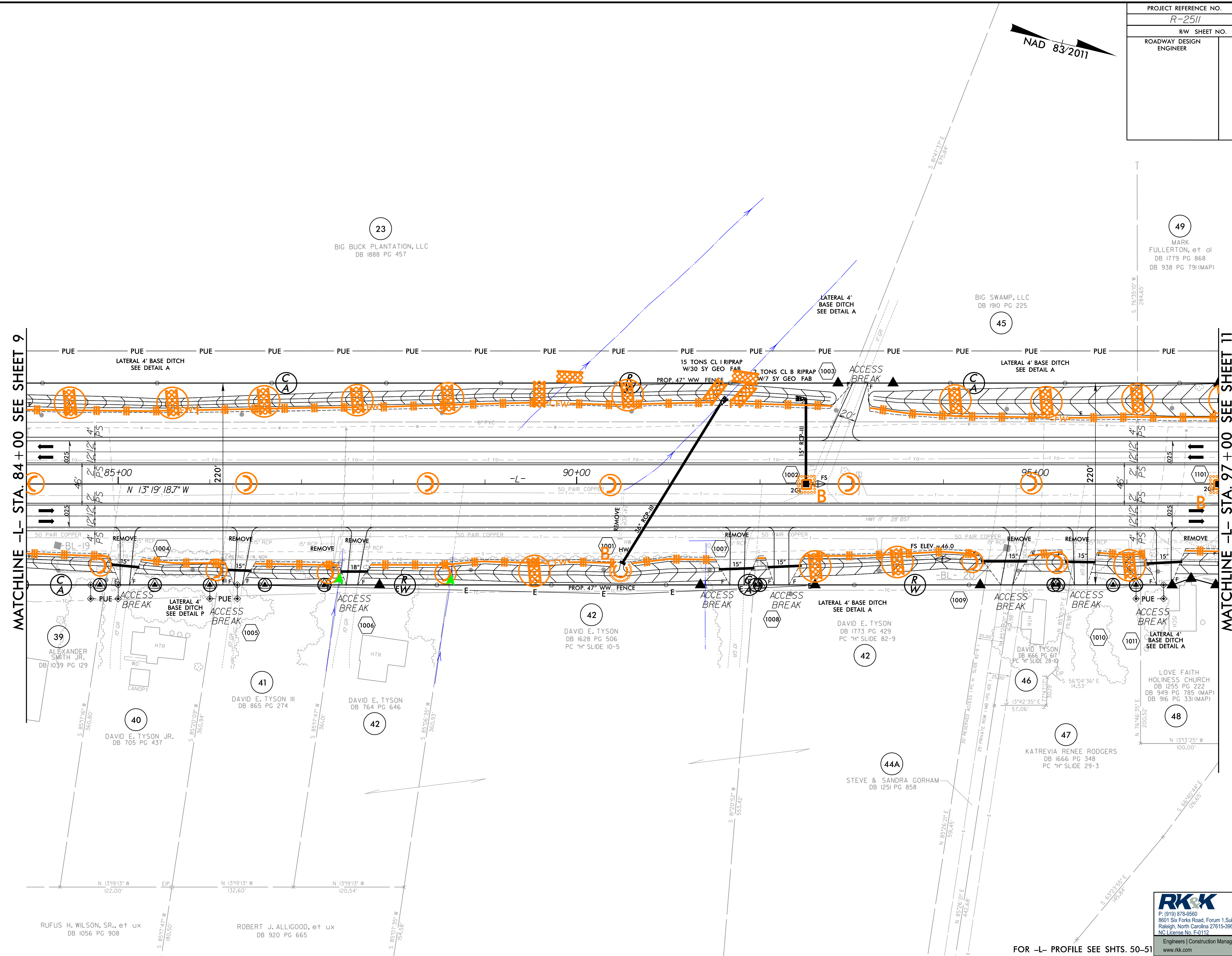
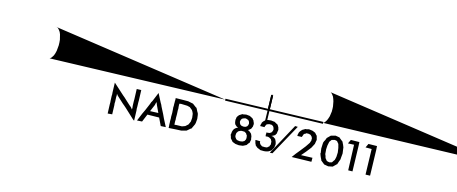
MATCHLINE -L- STA. 84+00 SEE SHEET 10

ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

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PROJECT REFERENCE NO. R-2511		SHEET NO. EC-54/CONST.10	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	



MATCHLINE -L- STA. 84 + 00 SEE SHEET 9

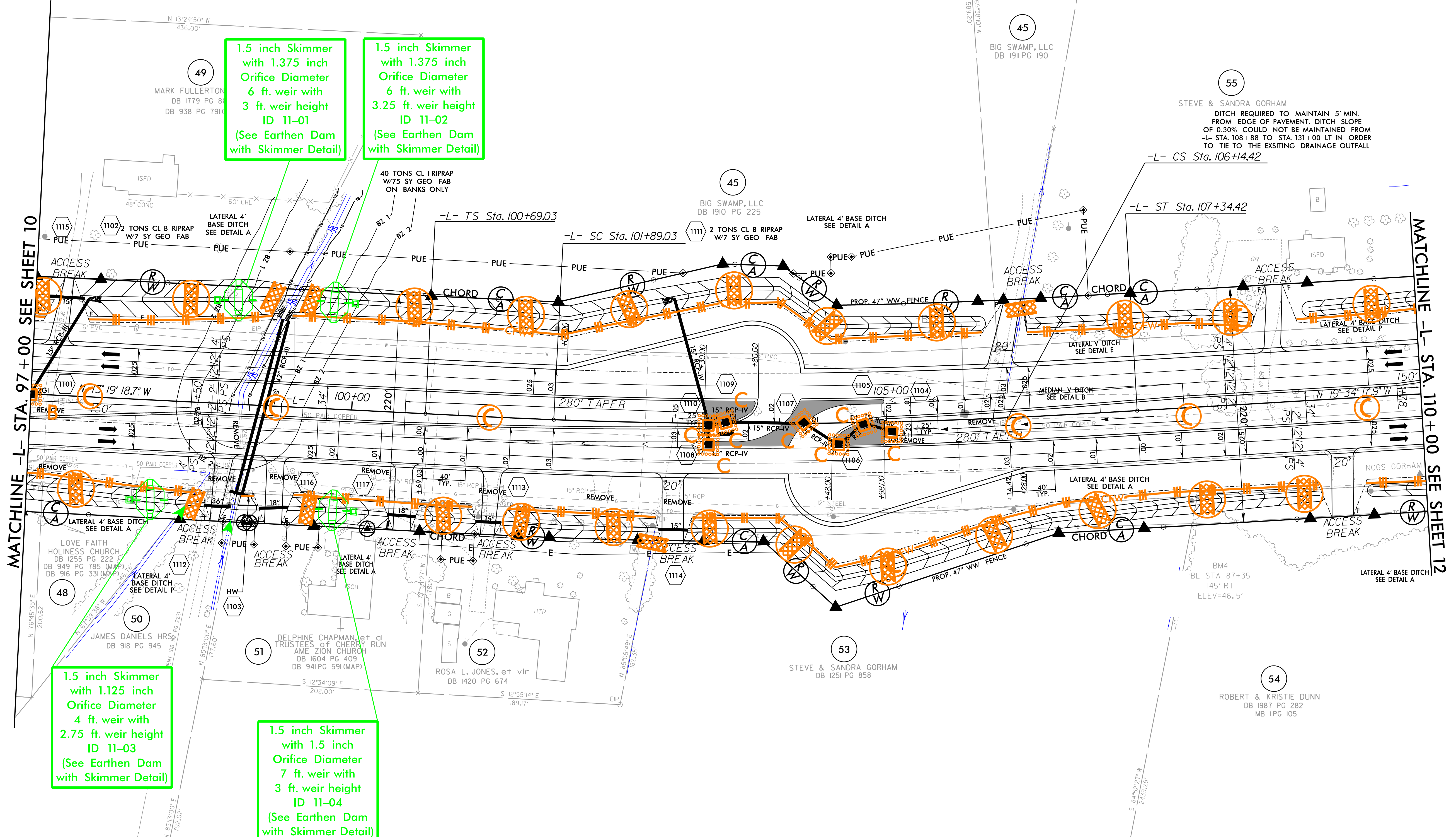
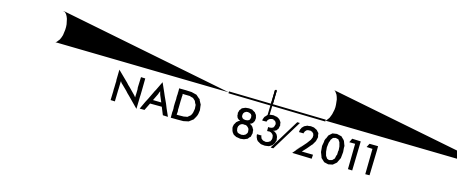
MATCHLINE -L- STA. 97 + 00 SEE SHEET 11

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FOR -L- PROFILE SEE SHTS. 50-51  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-55/CONST II
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



1.5 inch Skimmer with 1.375 inch Orifice Diameter 6 ft. weir with 3 ft. weir height ID 11-01 (See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.375 inch Orifice Diameter 6 ft. weir with 3.25 ft. weir height ID 11-02 (See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.125 inch Orifice Diameter 4 ft. weir with 2.75 ft. weir height ID 11-03 (See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.5 inch Orifice Diameter 7 ft. weir with 3 ft. weir height ID 11-04 (See Earthen Dam with Skimmer Detail)

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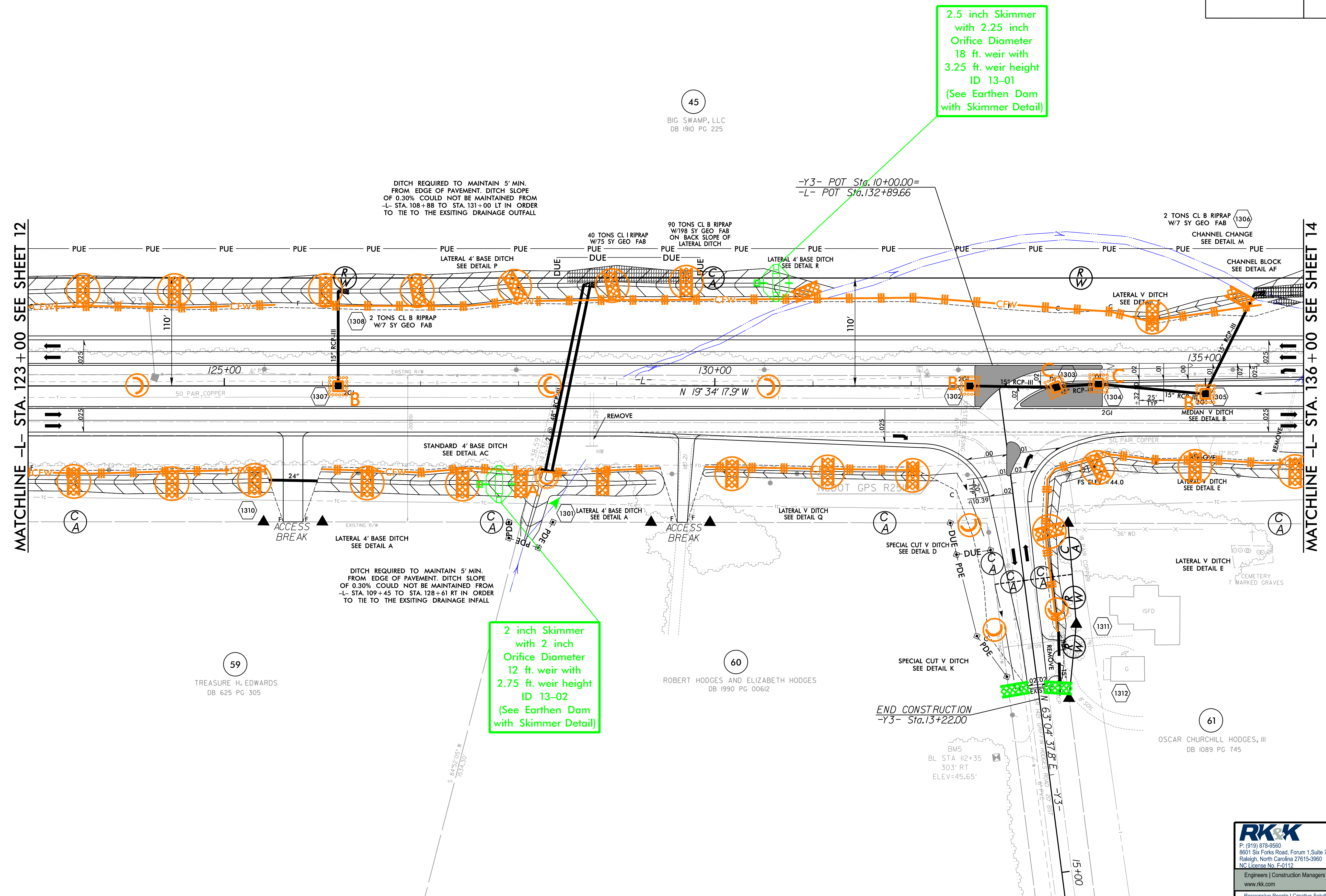
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FOR -L- PROFILE SEE SHT. 51  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.



PROJECT REFERENCE NO. R-2511	SHEET NO. EC-57/CONST.13
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
18 ft. weir with  
3.25 ft. weir height  
ID 13-01  
(See Earthen Dam  
with Skimmer Detail)

2 inch Skimmer  
with 2 inch  
Orifice Diameter  
12 ft. weir with  
2.75 ft. weir height  
ID 13-02  
(See Earthen Dam  
with Skimmer Detail)

DITCH REQUIRED TO MAINTAIN 5' MIN.  
FROM EDGE OF PAVEMENT. DITCH SLOPE  
OF 0.30% COULD NOT BE MAINTAINED FROM  
-L- STA. 108+88 TO STA. 131+00 LT IN ORDER  
TO TIE TO THE EXISTING DRAINAGE OUTFALL

DITCH REQUIRED TO MAINTAIN 5' MIN.  
FROM EDGE OF PAVEMENT. DITCH SLOPE  
OF 0.30% COULD NOT BE MAINTAINED FROM  
-L- STA. 109+45 TO STA. 128+61 RT IN ORDER  
TO TIE TO THE EXISTING DRAINAGE INFALL

-Y3- POT Sta. 10+00.00=  
-L- POT Sta. 132+89.66

END CONSTRUCTION  
-Y3- Sta. 13+22.00

MATCHLINE -L- STA. 123+00 SEE SHEET 12

MATCHLINE -L- STA. 136+00 SEE SHEET 14

45  
BIG SWAMP, LLC  
DB 1910 PG 225

59  
TREASURE H. EDWARDS  
DB 625 PG 305

60  
ROBERT HODGES AND ELIZABETH HODGES  
DB 1990 PG 00612

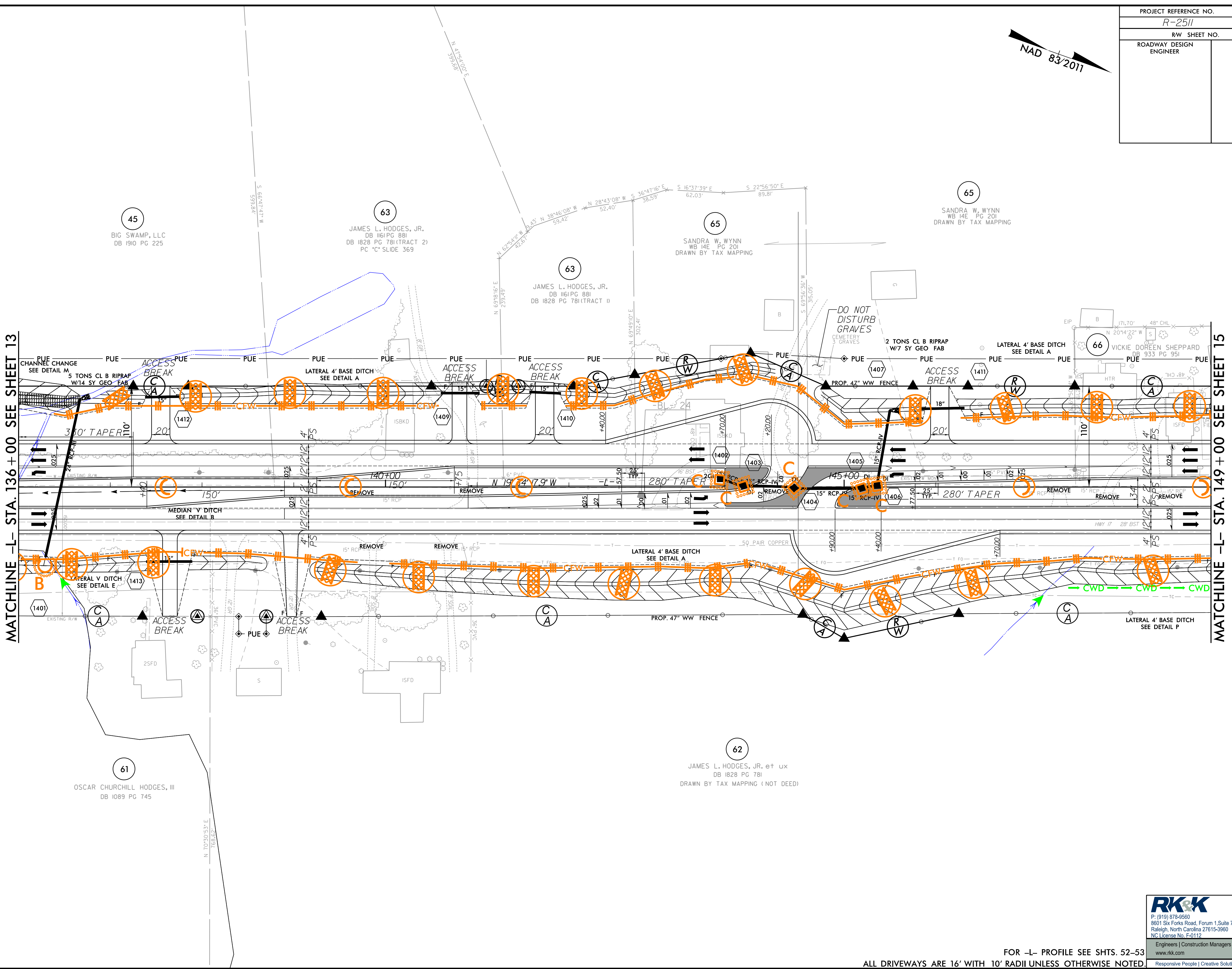
61  
OSCAR CHURCHILL HODGES, III  
DB 1089 PG 745

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-58/CONST J4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



MATCHLINE -L- STA. 136+00 SEE SHEET 13

MATCHLINE -L- STA. 149+00 SEE SHEET 15

8/17/99

8/2/2021 \\r\j\m\cs\CADD\PSH\ERoston\_Contr01\2511\_EC\_PSH\_58.dgn

FOR -L- PROFILE SEE SHTS. 52-53  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-59/CONSTJ5
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Place Matting for Erosion Control on Slope as Work Allows.  
Sta. 154+00 to Sta. 156+00 LT  
Sta. 158+50 to Sta. 159+00 LT

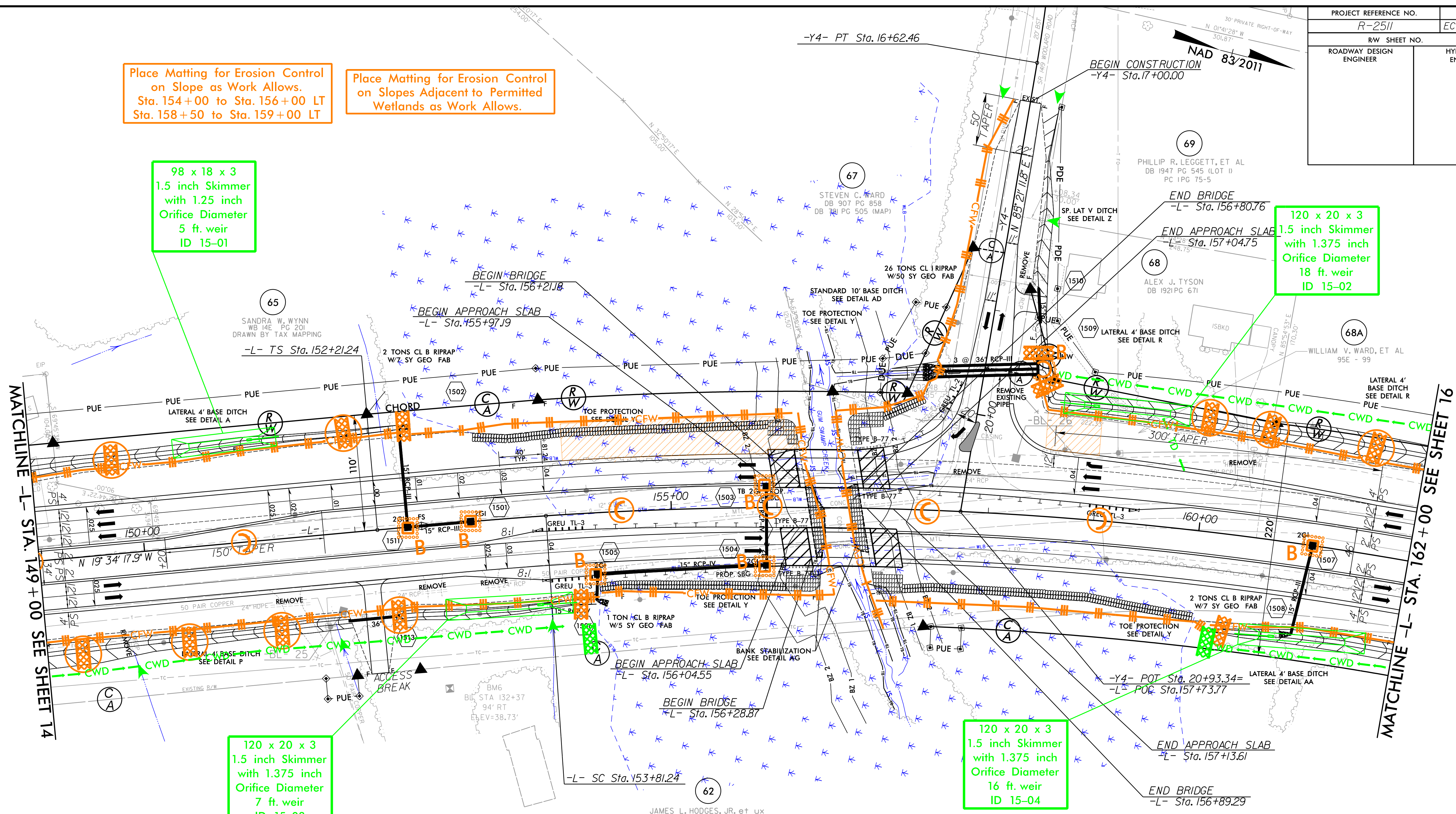
Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

98 x 18 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
5 ft. weir  
ID 15-01

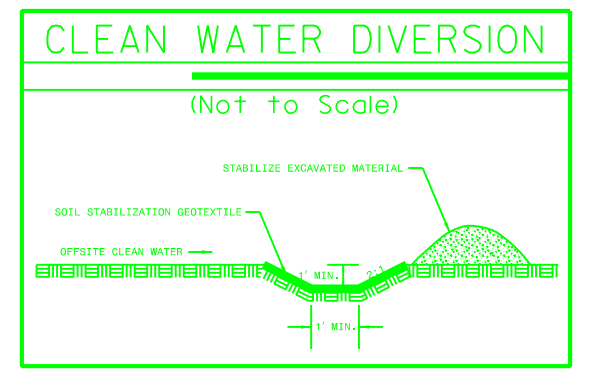
120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
18 ft. weir  
ID 15-02

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
7 ft. weir  
ID 15-03

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
16 ft. weir  
ID 15-04



DITCH REQUIRED TO MAINTAIN 5' MIN. FROM EDGE OF PAVEMENT. DITCH SLOPE OF 0.30% COULD NOT BE MAINTAINED FROM -L- STA. 160+20 TO STA. 163+50 RT IN ORDER TO TIE TO THE EXISTING GROUND SHORT OF THE WETLAND



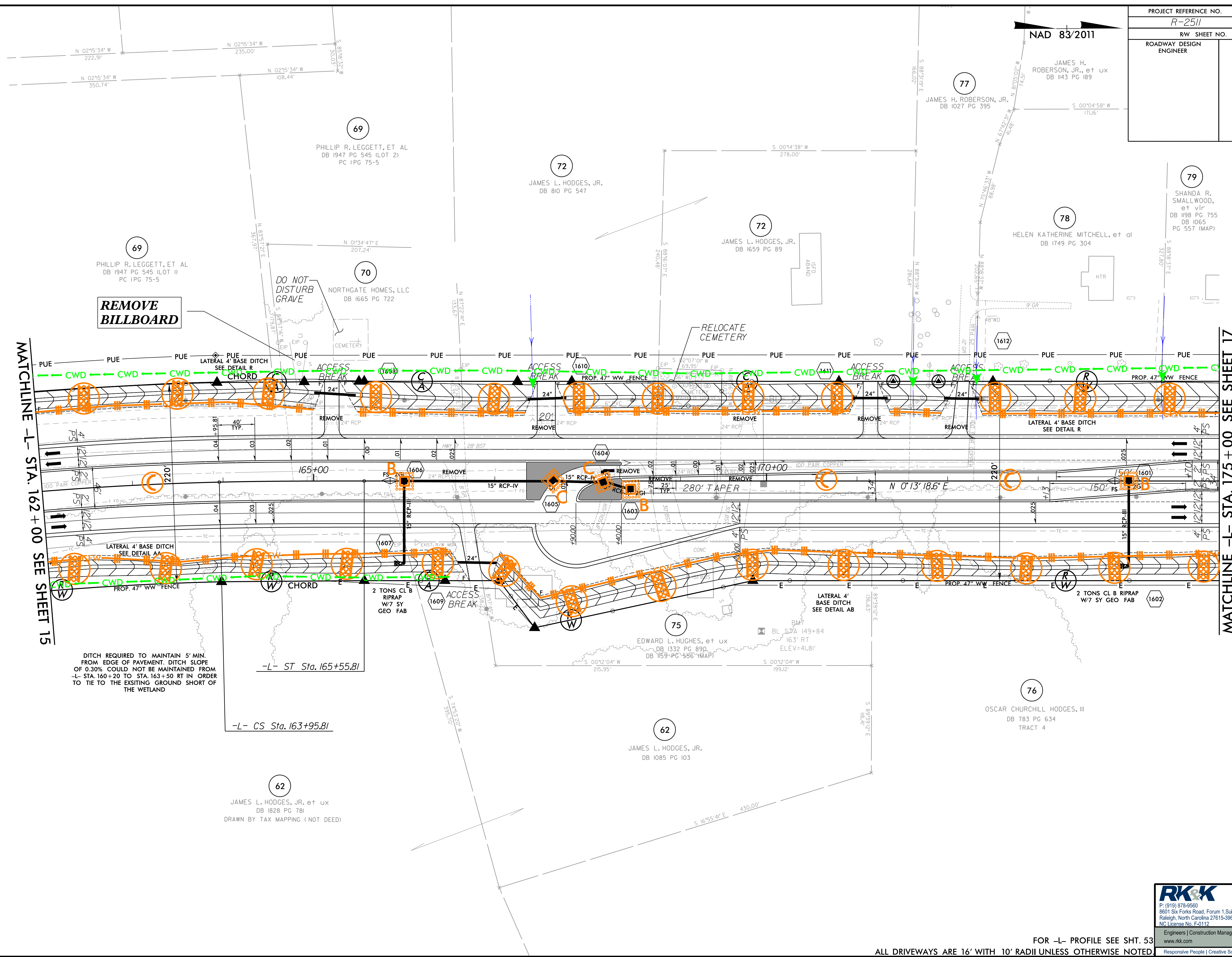
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-60/CONST.16
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011



MATCHLINE -L- STA. 162+00 SEE SHEET 15

MATCHLINE -L- STA. 175+00 SEE SHEET 17

DITCH REQUIRED TO MAINTAIN 5' MIN. FROM EDGE OF PAVEMENT. DITCH SLOPE OF 0.30% COULD NOT BE MAINTAINED FROM -L- STA. 160+20 TO STA. 163+50 RT IN ORDER TO TIE TO THE EXISTING GROUND SHORT OF THE WETLAND

-L- ST Sta. 165+55.81  
-L- CS Sta. 163+95.81

FOR -L- PROFILE SEE SHT. 53

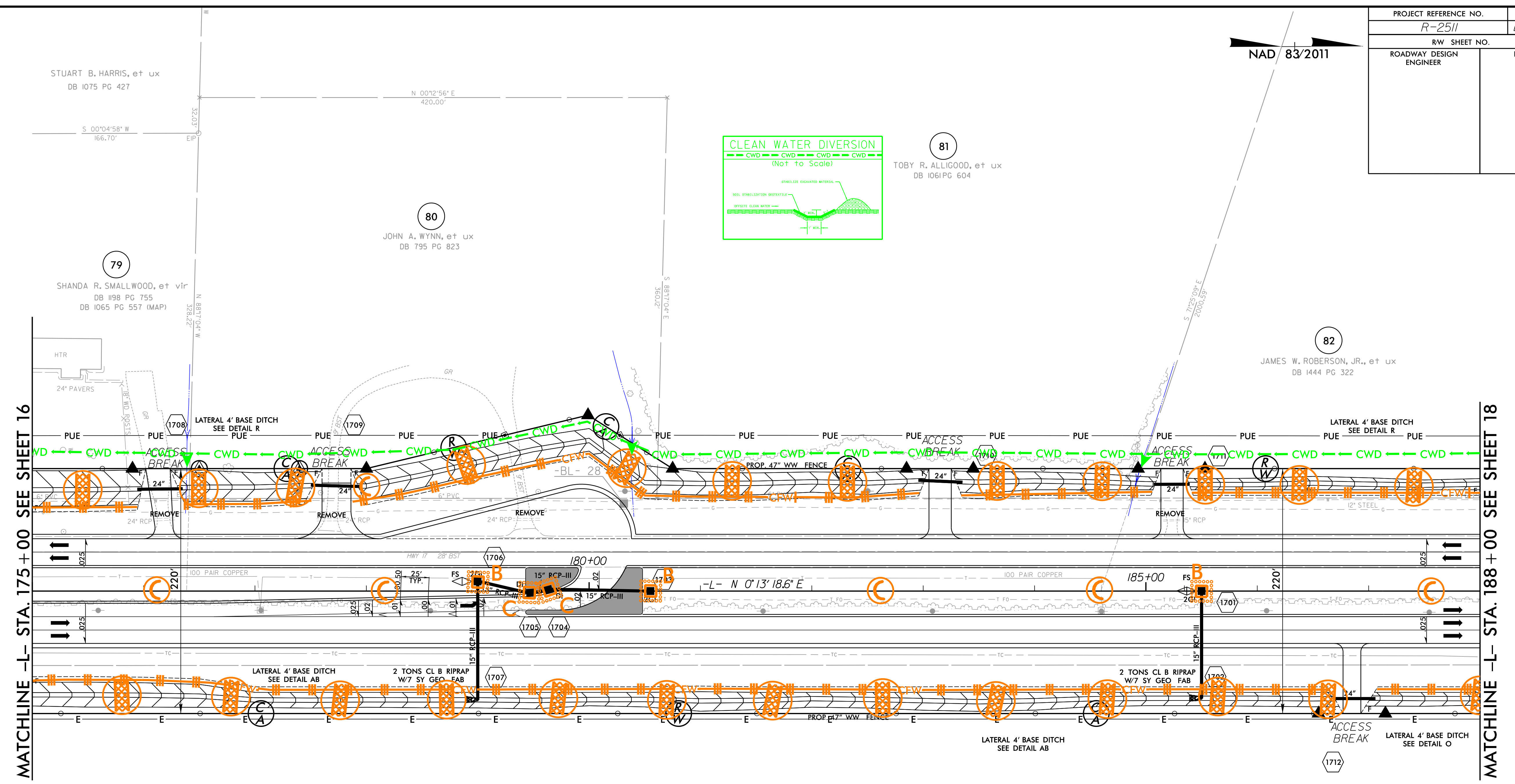
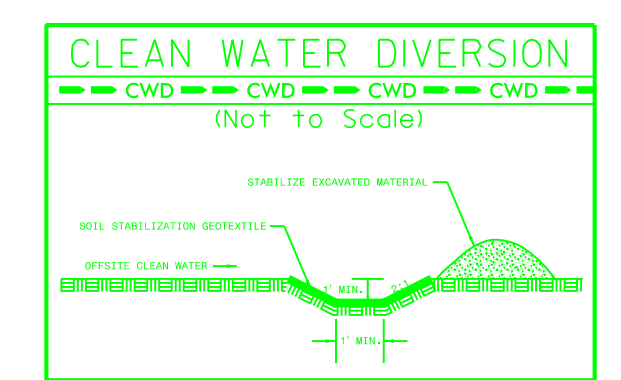
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-61/CONST.17
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NAD 83/2011



MATCHLINE -L- STA. 175+00 SEE SHEET 16

MATCHLINE -L- STA. 185+00 SEE SHEET 18

STUART B. HARRIS, et ux  
DB 1075 PG 427

80  
JOHN A. WYNN, et ux  
DB 795 PG 823

81  
TOBY R. ALLIGOOD, et ux  
DB 1061 PG 604

82  
JAMES W. ROBERSON, JR., et ux  
DB 1444 PG 322

76  
OSCAR CHURCHILL HODGES, III  
DB 783 PG 634  
TRACT 4



FOR -L- PROFILE SEE SHT. 54  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

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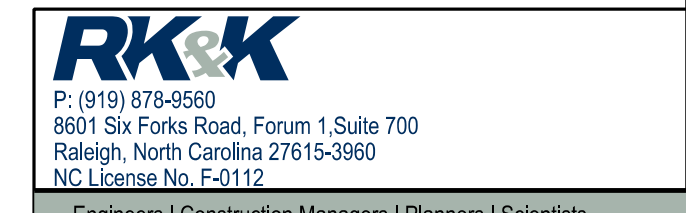
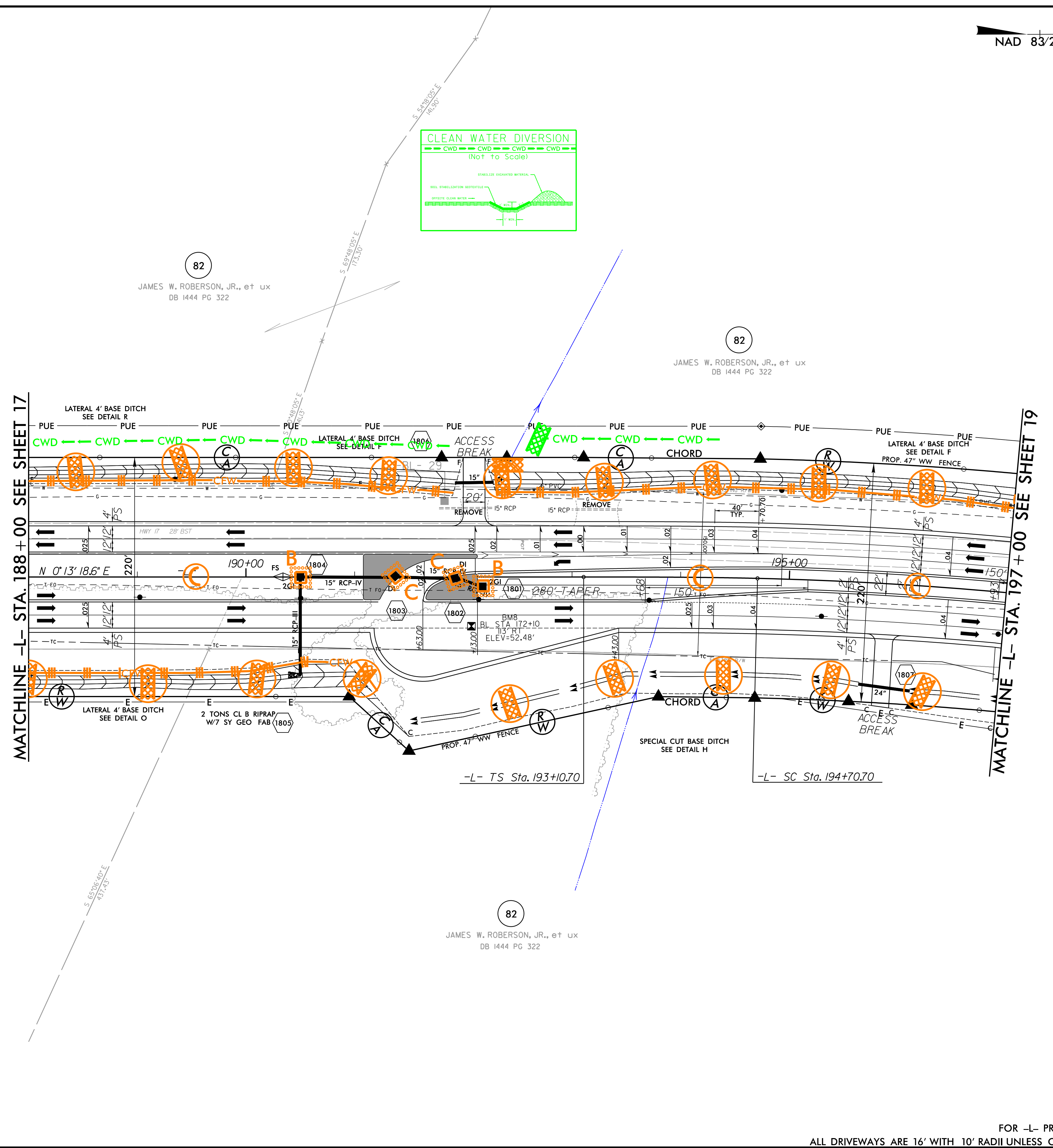
R:\Projects\2021\Hydraulics\CADD\PSH\ERoston\_Contr01\2511\_EC\_PSH\_61.dgn

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PROJECT REFERENCE NO. <i>R-2511</i>	SHEET NO. <i>EC-62/CONST.18</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

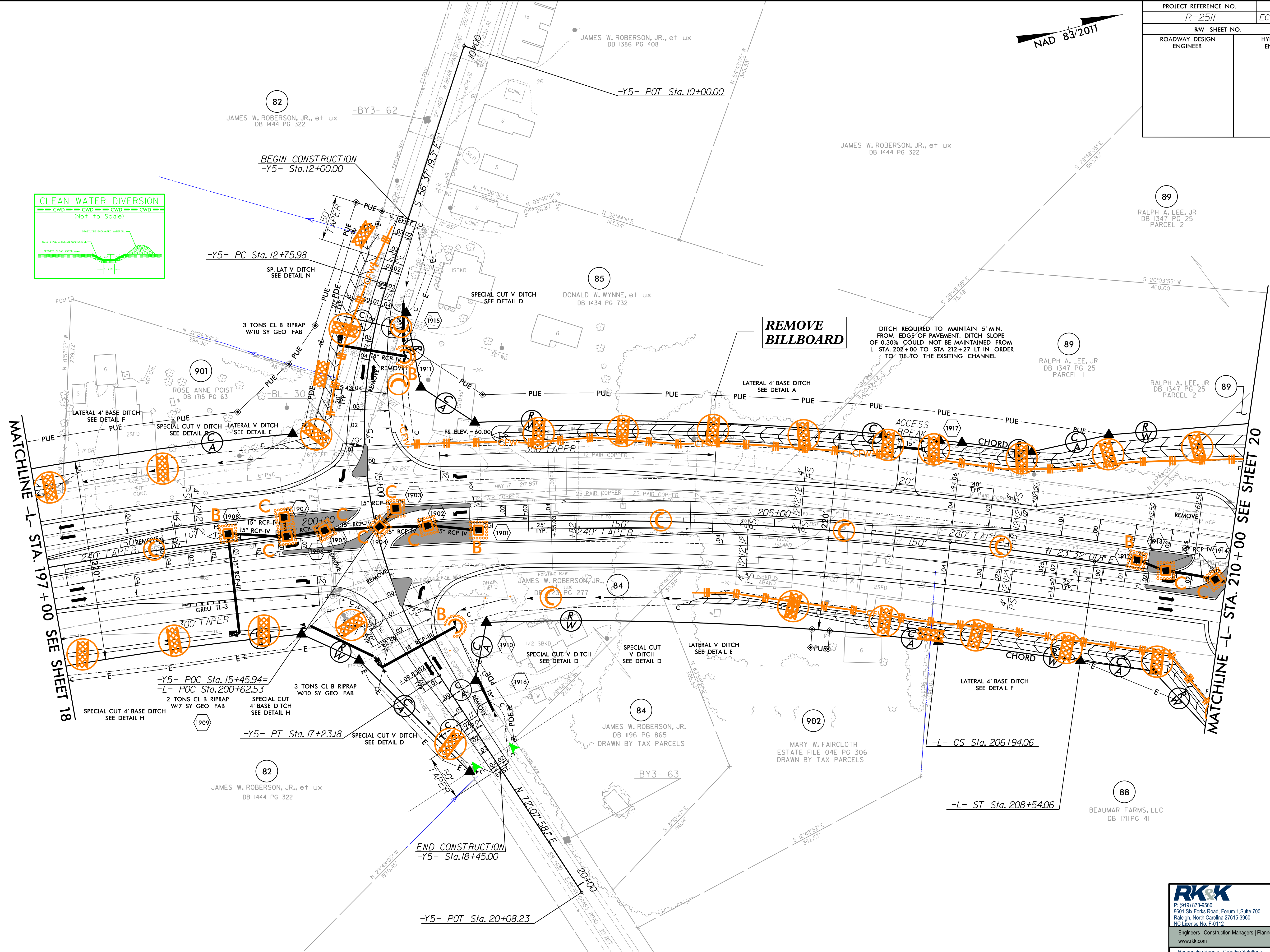
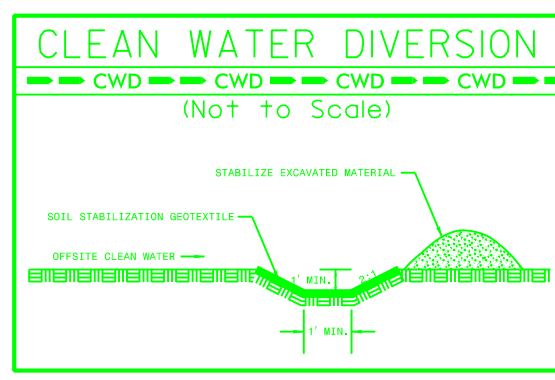
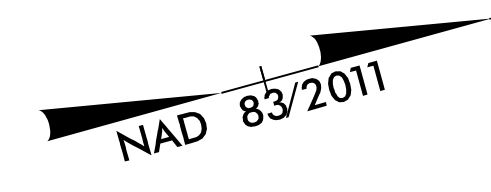
NAD 83/2011



FOR -L- PROFILE SEE SHT. 54  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

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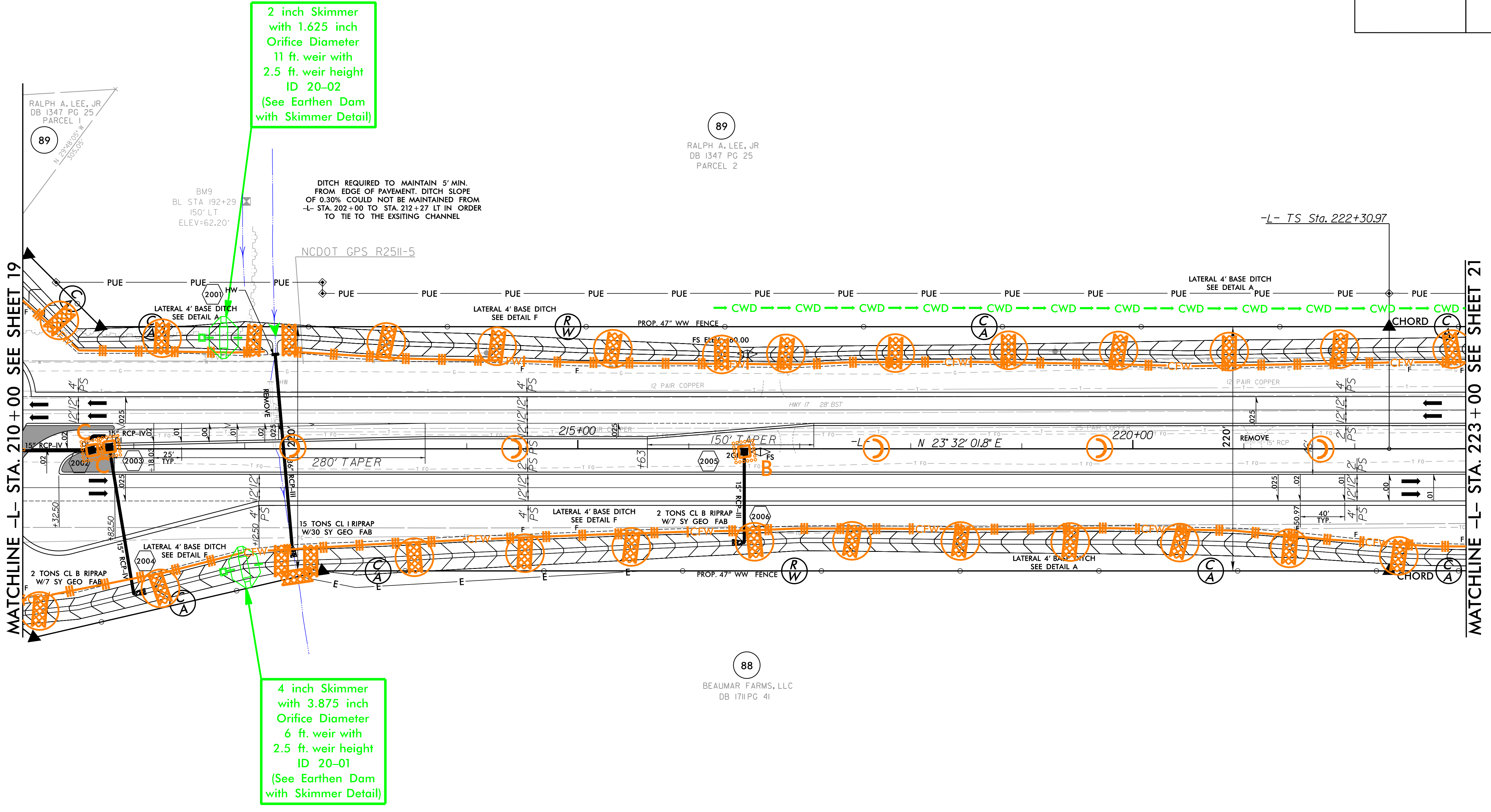
PROJECT REFERENCE NO.	SHEET NO.
R-2511	EC-63/CONST.19
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



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8/1/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-64/CONST.20
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



2 inch Skimmer  
with 1.625 inch  
Orifice Diameter  
11 ft. weir with  
2.5 ft. weir height  
ID 20-02  
(See Earthen Dam  
with Skimmer Detail)

4 inch Skimmer  
with 3.875 inch  
Orifice Diameter  
6 ft. weir with  
2.5 ft. weir height  
ID 20-01  
(See Earthen Dam  
with Skimmer Detail)

DITCH REQUIRED TO MAINTAIN 5' MIN.  
FROM EDGE OF PAVEMENT. DITCH SLOPE  
OF 0.30% COULD NOT BE MAINTAINED FROM  
-L- STA. 202+00 TO STA. 212+27 LT IN ORDER  
TO TIE TO THE EXISTING CHANNEL

MATCHLINE -L- STA. 210+00 SEE SHEET 19

MATCHLINE -L- STA. 223+00 SEE SHEET 21

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8/2/2021  
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FOR -L- PROFILE SEE SHT. 55  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-65/CONST.21
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	



Place Matting for Erosion Control on Slope as Work Allows. Sta. 228+50 to Sta. 233+50 RT

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

89  
RALPH A. LEE, JR  
DB 1347 PG 25  
PARCEL 2

90  
BETTY G. BEACHAM  
DB D-15 PG 423

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
18 ft. weir  
ID 21-02

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
12 ft. weir  
ID 21-03

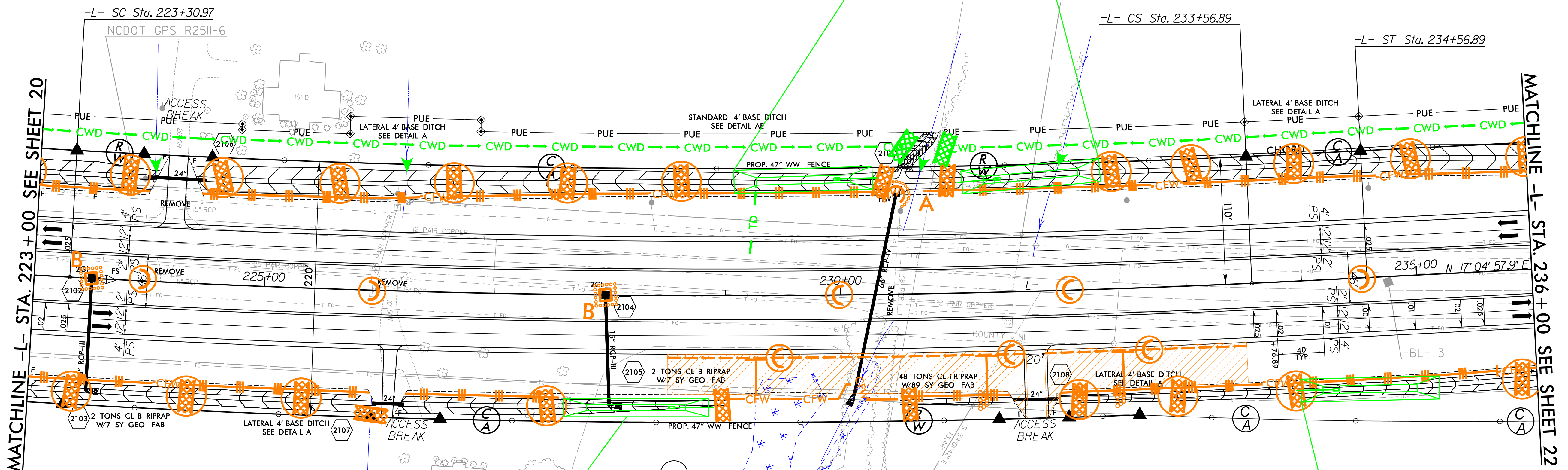
126 x 16 x 3  
1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
8 ft. weir  
ID 21-01

120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
7 ft. weir  
ID 21-04

DITCH REQUIRED TO MAINTAIN 5' MIN. FROM EDGE OF PAVEMENT. DITCH SLOPE OF 0.30% COULD NOT BE MAINTAINED FROM -L- STA. 230+50 TO STA. 238+50 RT IN ORDER TO TIE TO THE EXISTING GROUND SHORT OF THE WETLAND

92  
C.B. AYERS  
C/O DORA R. AYERS  
DB R-11 PG 348

88  
BEAUMAR FARMS, LLC  
DB 1711 PG 41



8/17/99

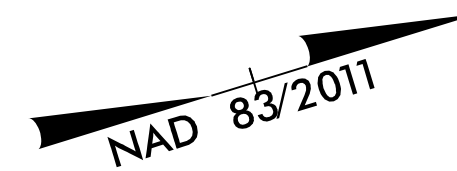
R:\2021\Projects\EC\00\PSH\EROSION\_Control\1v2511\_EC\_PSH\_65.dgn



FOR -L- PROFILE SEE SHTS. 55-56  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

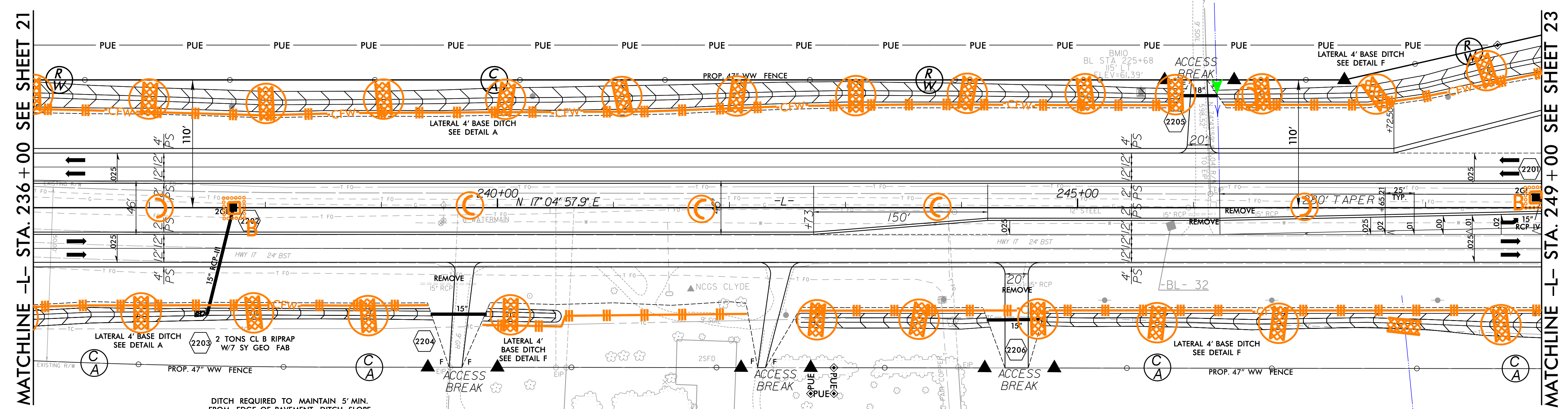
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-66/CONST.22
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



91  
KADER B. WARD, et al  
DB O-21 PG 173

90  
BETTY G. BEACHAM  
DB D-15 PG 423



DITCH REQUIRED TO MAINTAIN 5' MIN. FROM EDGE OF PAVEMENT. DITCH SLOPE OF 0.30% COULD NOT BE MAINTAINED FROM STA. 230+50 TO STA. 238+50 RT IN ORDER TO TIE TO THE EXISTING GROUND SHORT OF THE WETLAND

92  
DONALD AYERS  
DB 26 PG 797

93  
CHARLES S. STEWARD, JR., et ux  
DB Y-14 PG 80

94  
LARRY R. SCOTT, et ux  
DB G-15 PG 572

92  
DONALD AYERS  
DB R-II PG 348

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FOR -L- PROFILE SEE SHT. 56  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

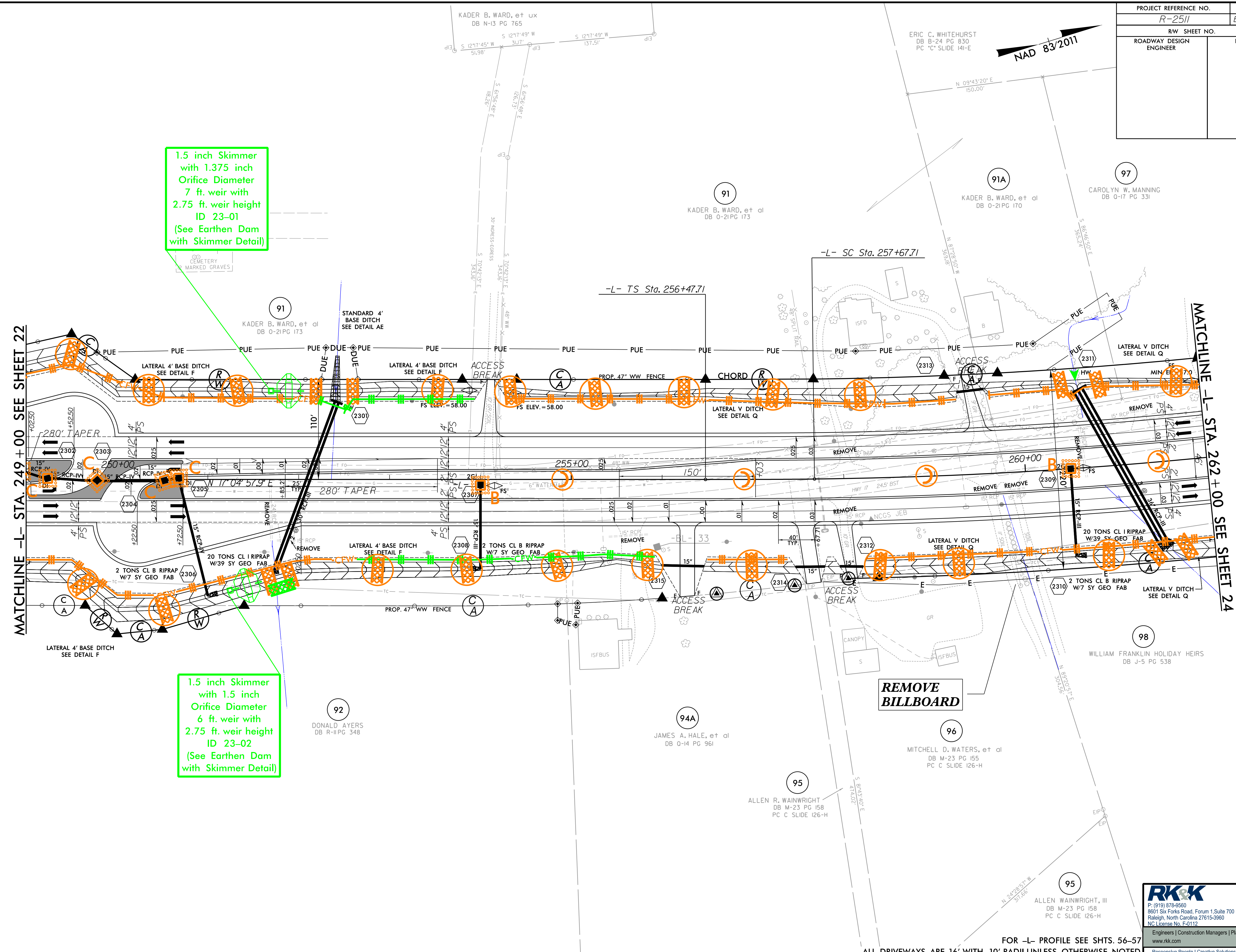
8/17/99

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PROJECT REFERENCE NO. <i>R-2511</i>	SHEET NO. <i>EC-67/CONST.23</i>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

8/17/99

8/1/2021  
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1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
7 ft. weir with  
2.75 ft. weir height  
ID 23-01  
(See Earthen Dam  
with Skimmer Detail)

1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
6 ft. weir with  
2.75 ft. weir height  
ID 23-02  
(See Earthen Dam  
with Skimmer Detail)

**REMOVE  
BILLBOARD**

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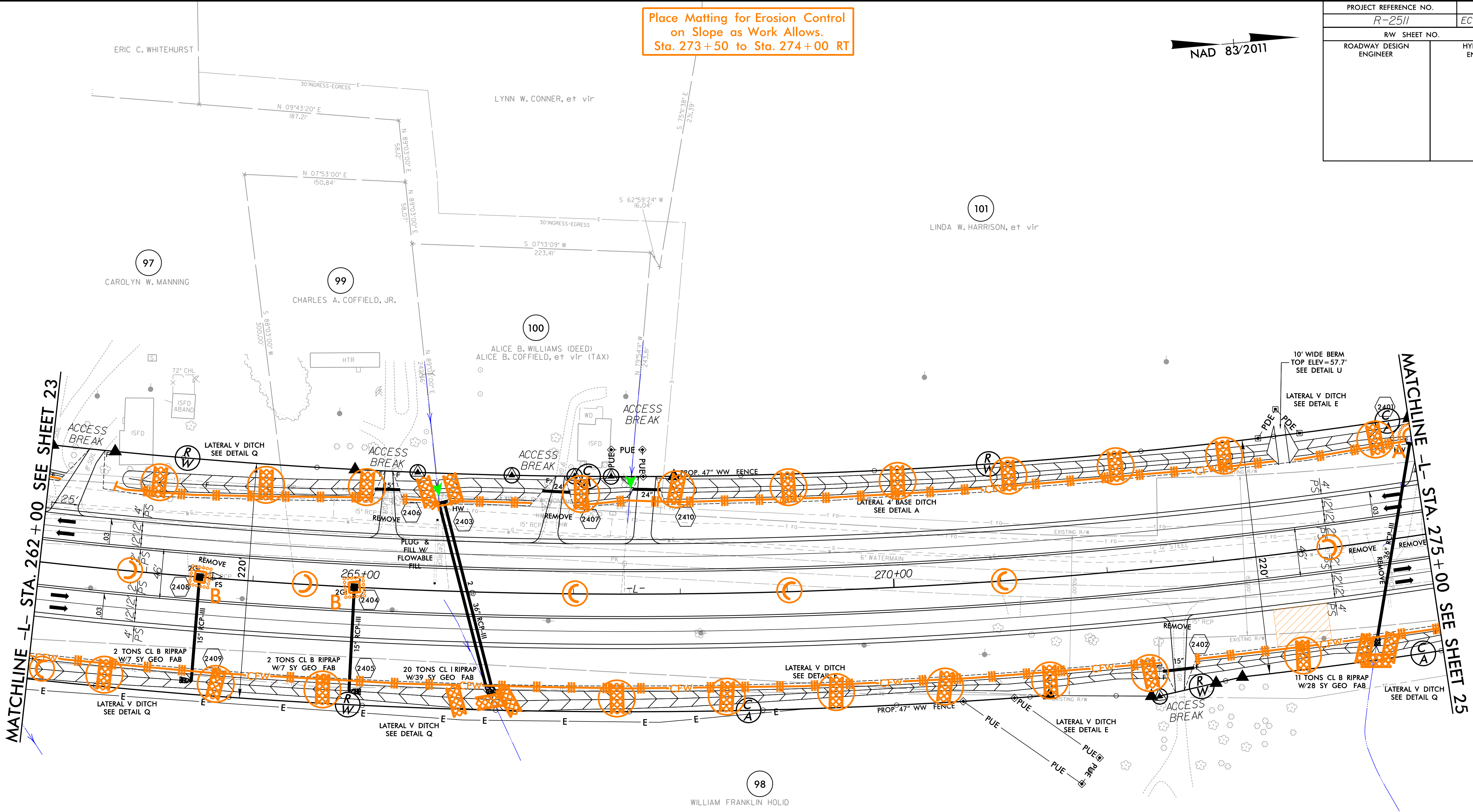
FOR -L- PROFILE SEE SHTS. 56-57

ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-68/CONST.24
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 273+50 to Sta. 274+00 RT

NAD 83/2011



MATCHLINE -L- STA. 262+00 SEE SHEET 23

MATCHLINE -L- STA. 275+00 SEE SHEET 25

8/17/99

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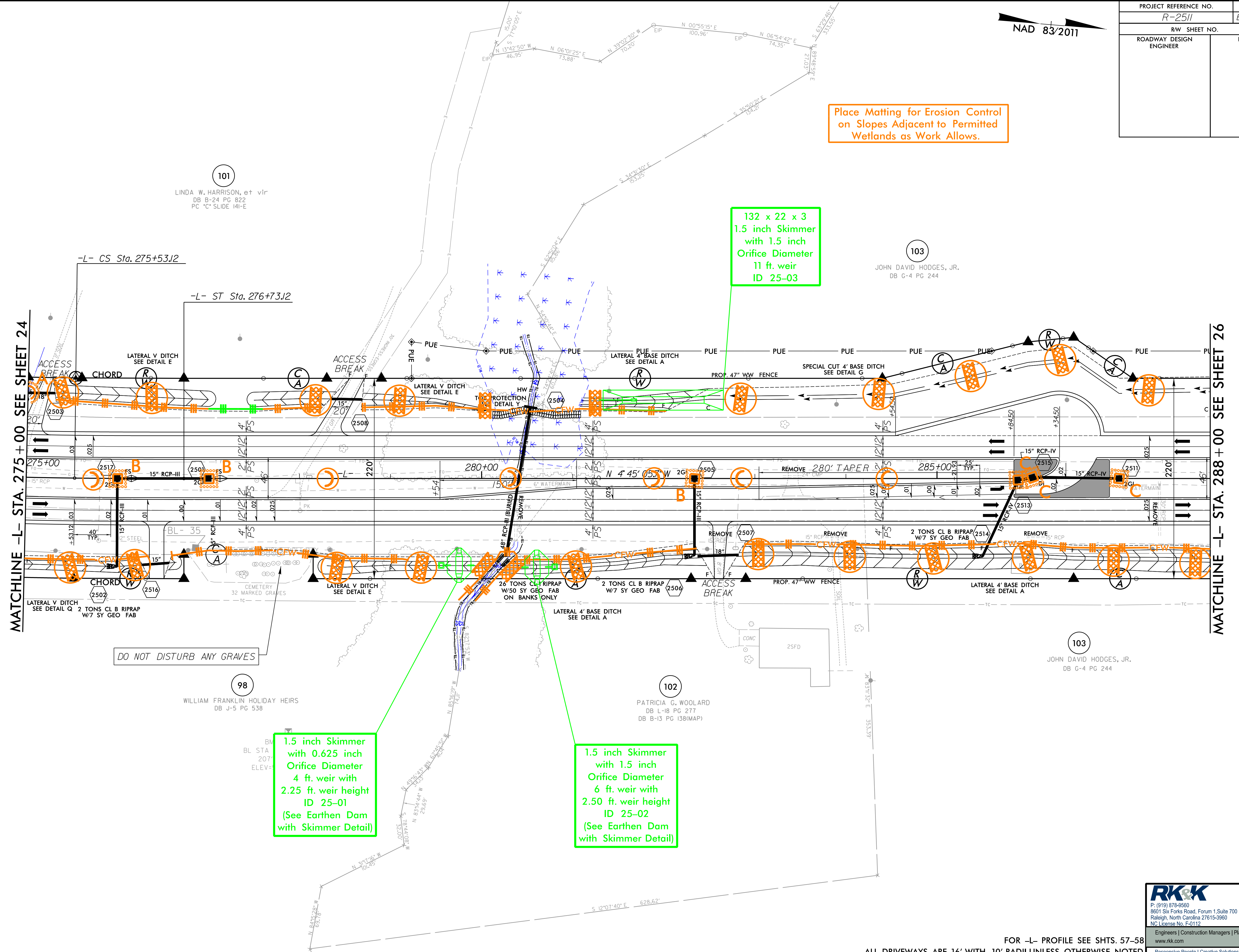
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FOR -L- PROFILE SEE SHT. 57  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

PROJECT REFERENCE NO. <i>R-2511</i>		SHEET NO. <i>EC-69/CONST.25</i>	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

NAD 83/2011

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



132 x 22 x 3  
1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
11 ft. weir  
ID 25-03

1.5 inch Skimmer  
with 0.625 inch  
Orifice Diameter  
4 ft. weir with  
2.25 ft. weir height  
ID 25-01  
(See Earthen Dam  
with Skimmer Detail)

1.5 inch Skimmer  
with 1.5 inch  
Orifice Diameter  
6 ft. weir with  
2.50 ft. weir height  
ID 25-02  
(See Earthen Dam  
with Skimmer Detail)

DO NOT DISTURB ANY GRAVES

8/17/99

R:\2021\Projects\CADD\PSH\Erosion\_Control\1v2511\_EC\_PSH\_69.dgn

101  
LINDA W. HARRISON, et vir  
DB B-24 PG 822  
PC "C" SLIDE 141-E

103  
JOHN DAVID HODGES, JR.  
DB G-4 PG 244

98  
WILLIAM FRANKLIN HOLIDAY HEIRS  
DB J-5 PG 538

102  
PATRICIA G. WOOLARD  
DB L-18 PG 277  
DB B-13 PG 138(MAP)

103  
JOHN DAVID HODGES, JR.  
DB G-4 PG 244

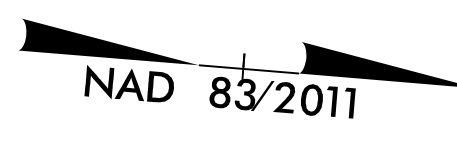
FOR -L- PROFILE SEE SHTS. 57-58  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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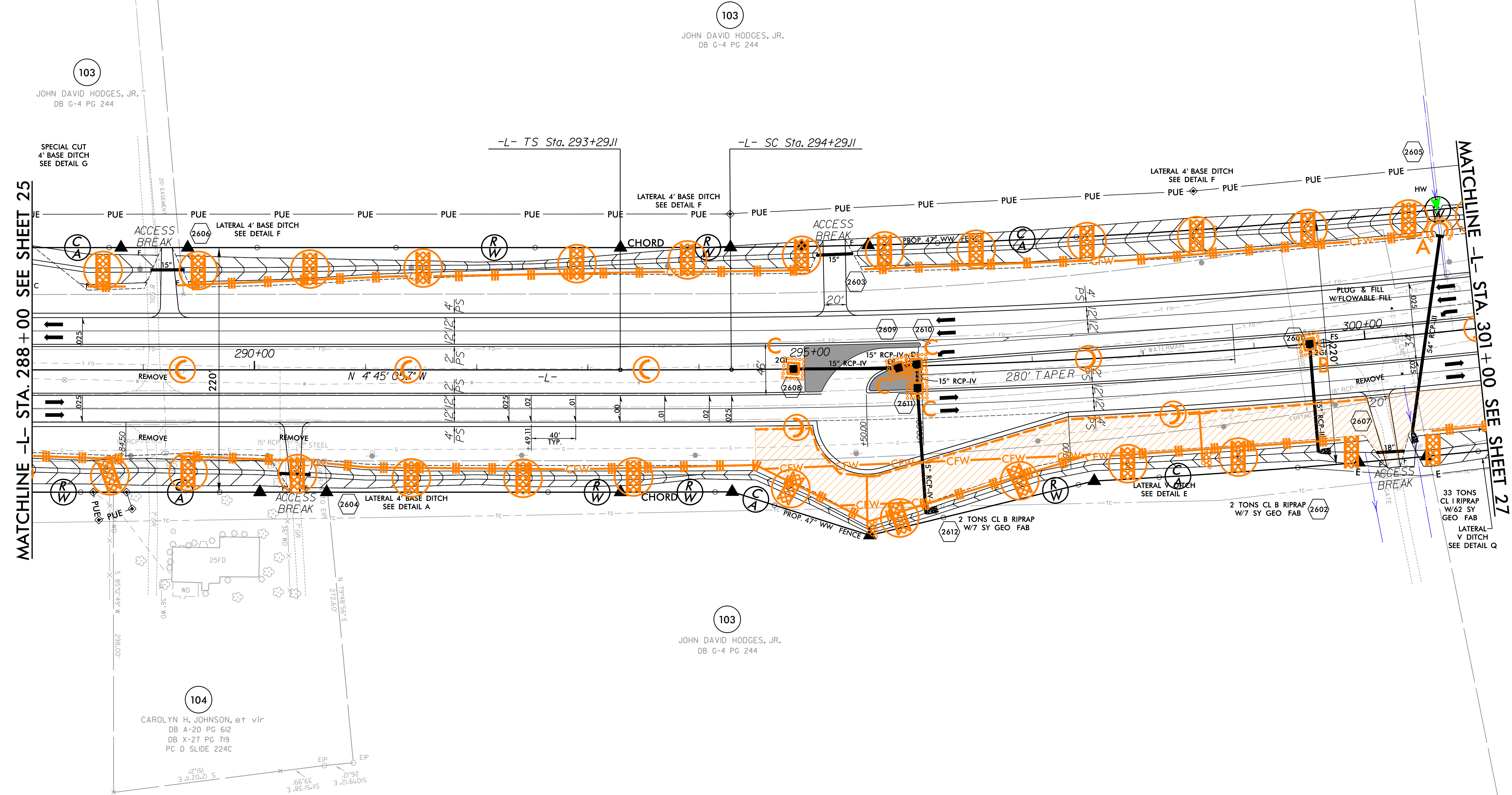


PROJECT REFERENCE NO. R-2511	SHEET NO. EC-70/CONST.26
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Place Matting for Erosion Control  
on Slope as Work Allows.  
Sta. 294+50 to Sta. 301+00 RT



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103  
JOHN DAVID HODGES, JR.  
DB G-4 PG 244

103  
JOHN DAVID HODGES, JR.  
DB G-4 PG 244

103  
JOHN DAVID HODGES, JR.  
DB G-4 PG 244

104  
CAROLYN H. JOHNSON, et vir  
DB A-20 PG 612  
DB X-27 PG 719  
PC D SLIDE 224C

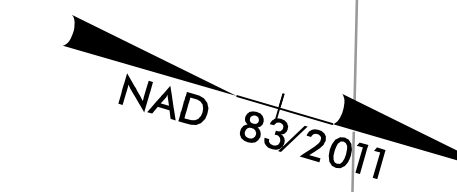
8/2/2021  
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FOR -L- PROFILE SEE SHT. 58  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

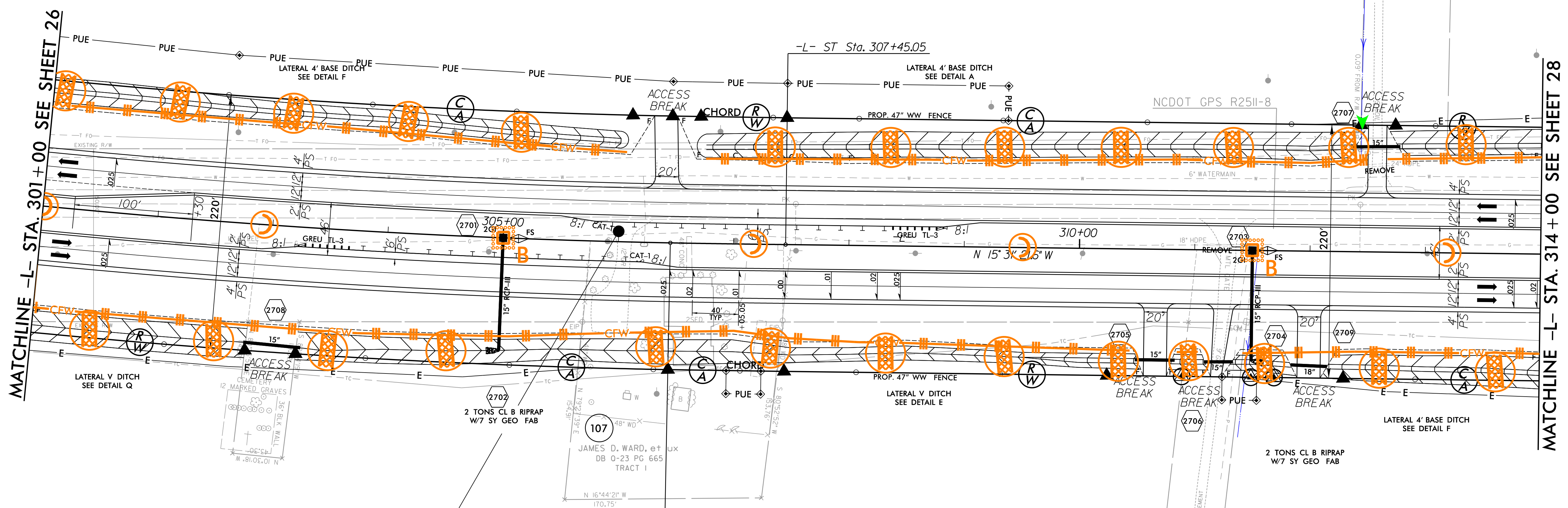
PROJECT REFERENCE NO. R-2511	SHEET NO. EC-71/CONST.27
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



105  
BENJAMIN L. WARD, et ux et al  
DB D-24 PG 690

108A  
LAUREN H. &  
BENJAMIN L. WARD  
DB K-27 PG 334

109  
JACKIE A. &  
LINDA W. HARRISON  
DB B-24 PG 815  
P.C. C. SLIDE 141-C



**PROPOSED FUTURE  
LOCATION OF DMS SIGN**

-L- CS Sta. 306+45.05

-L- ST Sta. 307+45.05

106  
JAMES D. WARD, et ux  
DB D-24 PG 692

107  
JAMES D. WARD, et ux  
DB O-23 PG 665  
TRACT I

108  
BENJAMIN  
L. WARD  
DB O-17  
PG 623

109  
LINDA W. HARRISON, et vir  
DB B-24 PG 815  
PC 'C' SLIDE 141-C

MATCHLINE -L- STA. 301+00 SEE SHEET 26

MATCHLINE -L- STA. 314+00 SEE SHEET 28

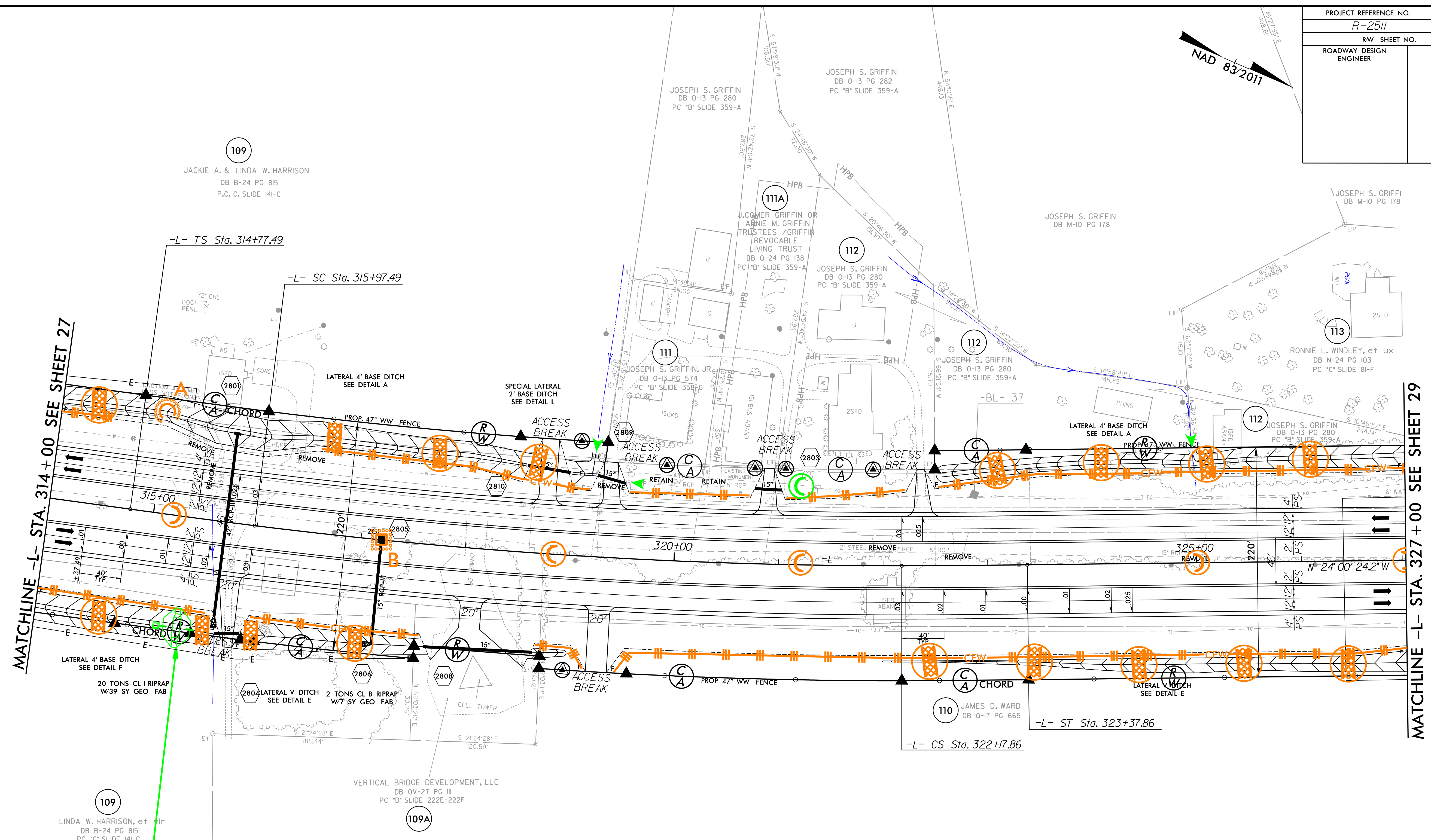
8/17/99

8/17/2021  
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FOR -L- PROFILE SEE SHT. 58  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-72/CONST.28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



1.5 inch Skimmer  
with 0.875 inch  
Orifice Diameter  
4 ft. weir with  
2.75 ft. weir height  
ID 28-01  
(See Earthen Dam  
with Skimmer Detail)

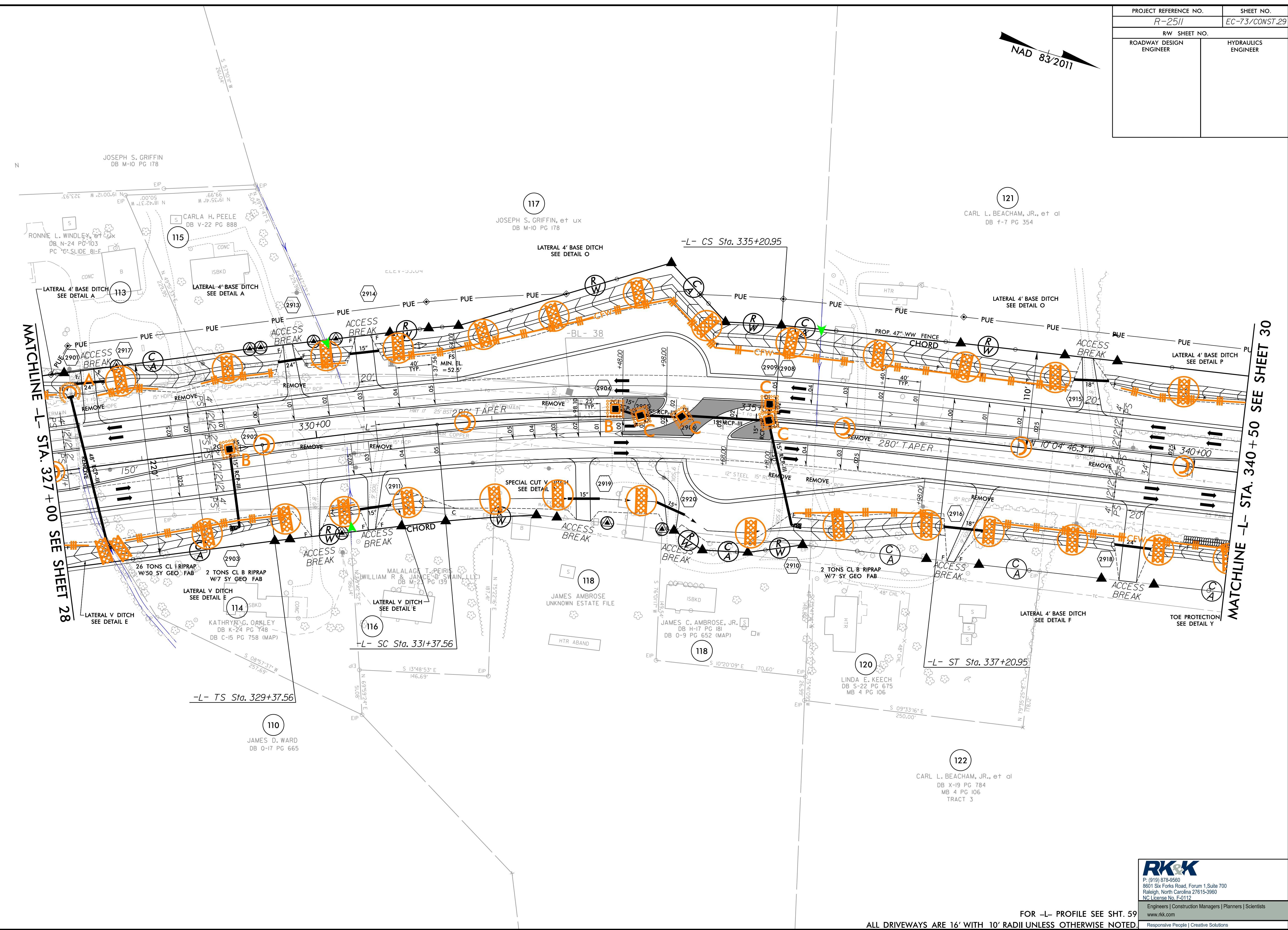
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FOR -L- PROFILE SEE SHTS. 58-59  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

8/17/19

R:\1111\1111\1111\CADD\PSH\E-roston\_Contr01\2511\_EC\_PSH\_72.dgn

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-73/CONST.29
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



8/17/09

8/1/2021  
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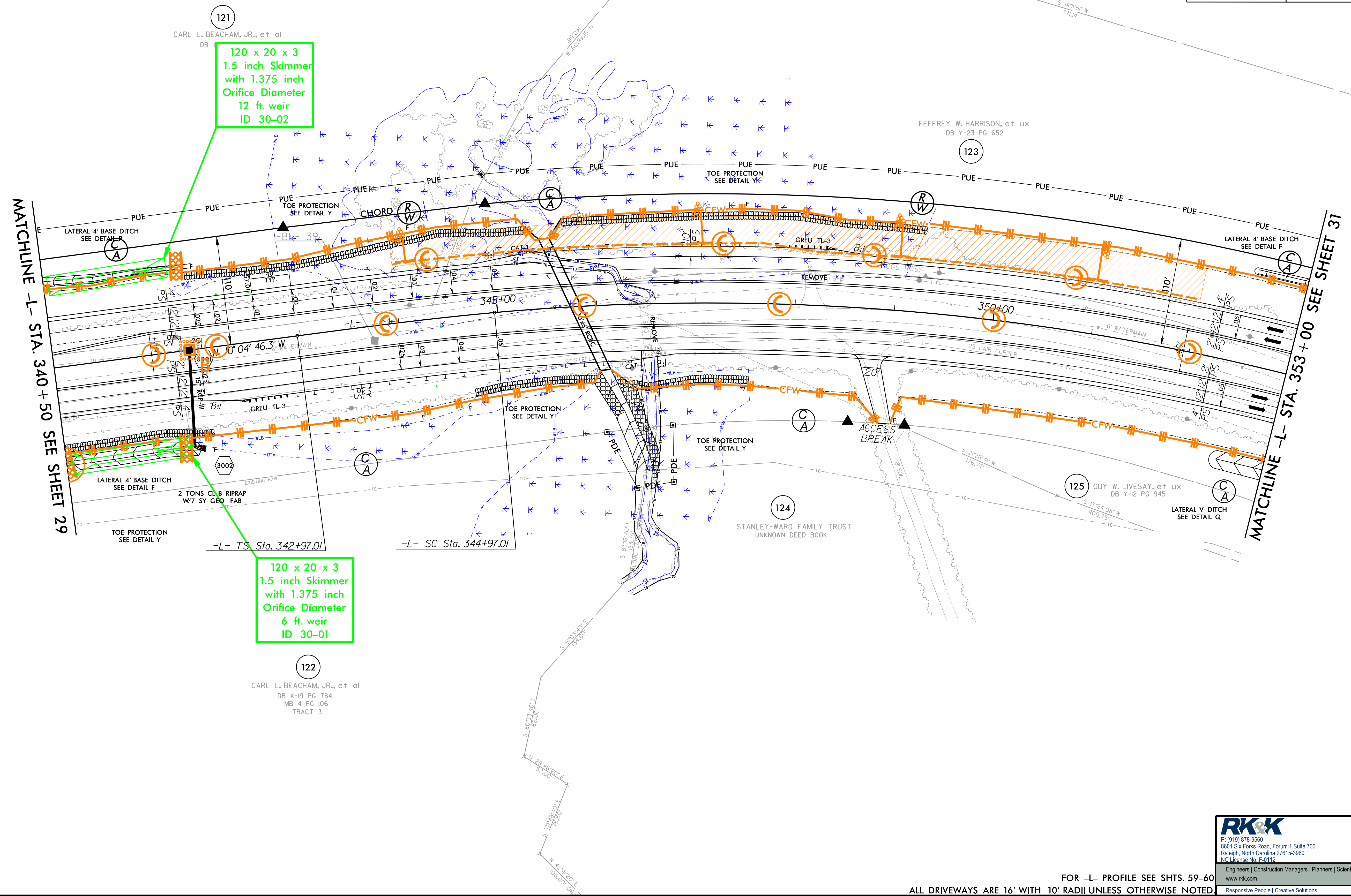
FOR -L- PROFILE SEE SHT. 59  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED.

PROJECT REFERENCE NO. R-2511	SHEET NO. EC-74/CONST.30
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NAD 83/2011

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.

Place Matting for Erosion Control on Slope as Work Allows. Sta. 344+00 to Sta. 352+00 LT



121  
CARL L. BEACHAM, JR., et al  
DB  
120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
12 ft. weir  
ID 30-02

122  
CARL L. BEACHAM, JR., et al  
DB X-19 PG 784  
MB 4 PG 106  
TRACT 3  
120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
6 ft. weir  
ID 30-01

8/17/99

8/19/2021  
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FOR -L- PROFILE SEE SHTS. 59-60  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-75/CONST.31
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

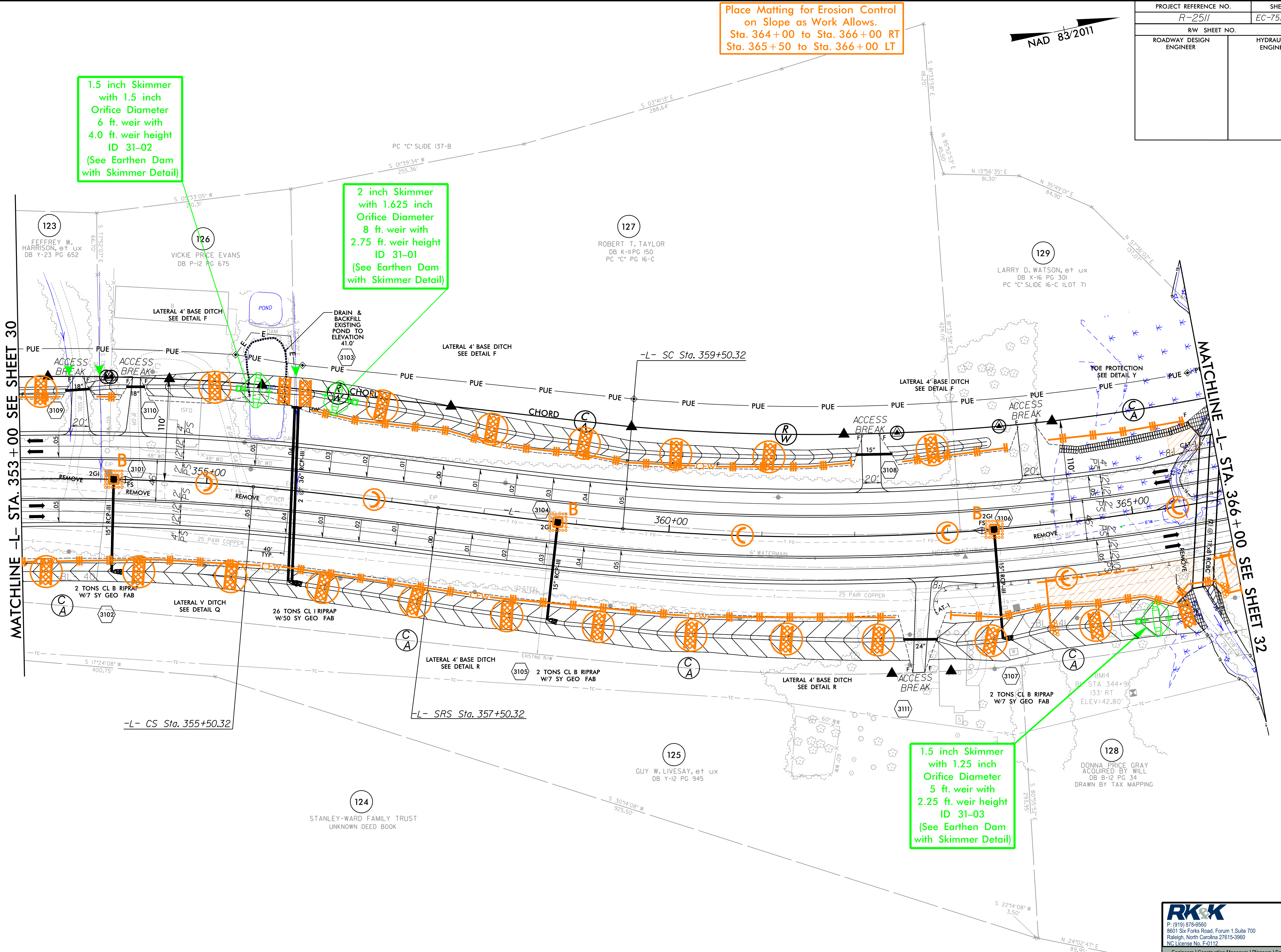
Place Matting for Erosion Control on Slope as Work Allows.  
Sta. 364+00 to Sta. 366+00 RT  
Sta. 365+50 to Sta. 366+00 LT

NAD 83/2011

1.5 inch Skimmer with 1.5 inch Orifice Diameter  
6 ft. weir with 4.0 ft. weir height  
ID 31-02  
(See Earthen Dam with Skimmer Detail)

2 inch Skimmer with 1.625 inch Orifice Diameter  
8 ft. weir with 2.75 ft. weir height  
ID 31-01  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.25 inch Orifice Diameter  
5 ft. weir with 2.25 ft. weir height  
ID 31-03  
(See Earthen Dam with Skimmer Detail)



8/17/99

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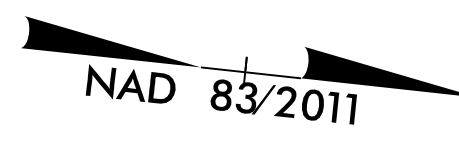
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FOR -L- PROFILE SEE SHT. 60  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

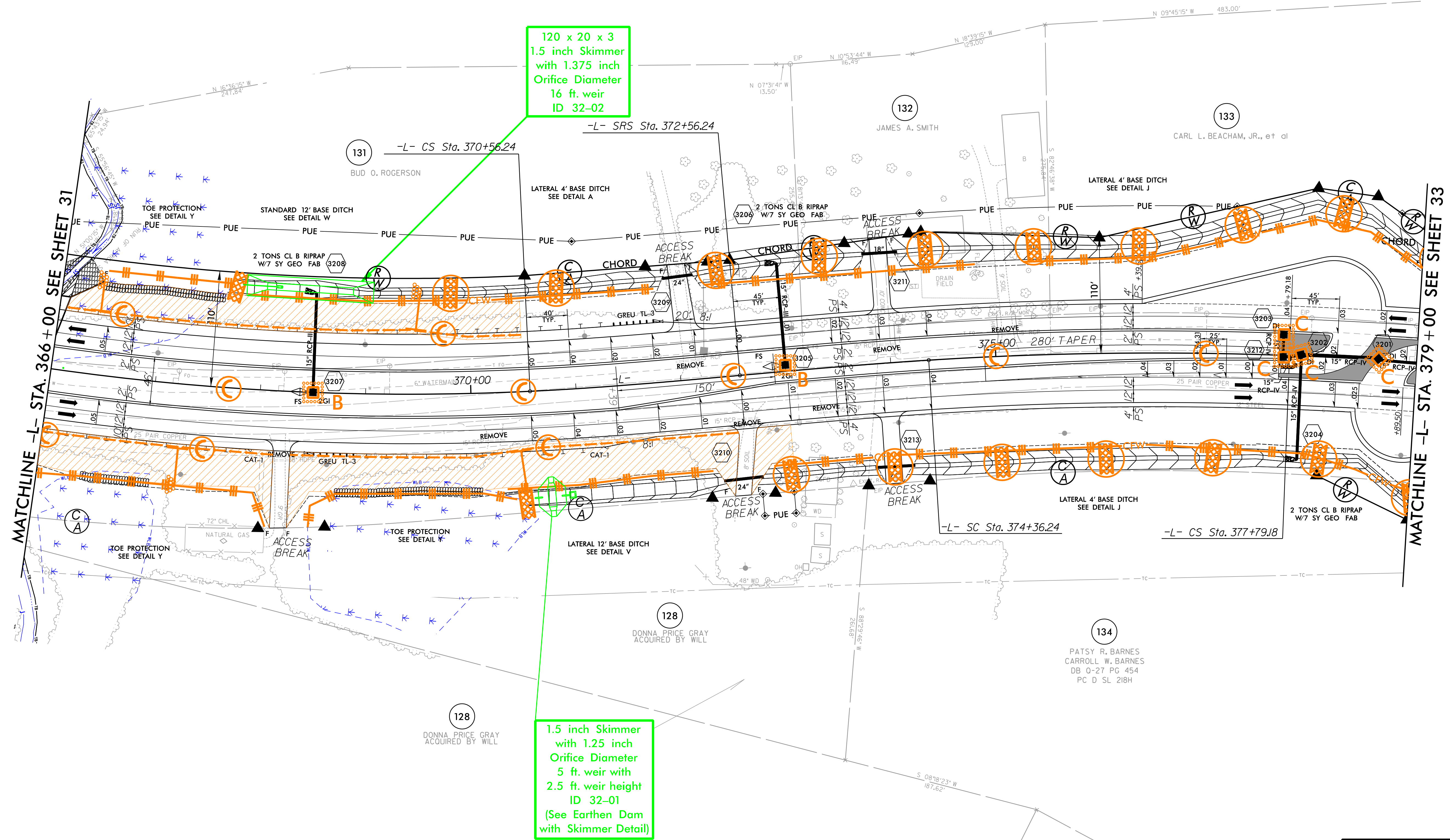
8/17/99

Place Matting for Erosion Control on Slope as Work Allows.  
Sta. 366+00 to Sta. 373+00 RT  
Sta. 366+00 to Sta. 370+50 LT

Place Matting for Erosion Control on Slopes Adjacent to Permitted Wetlands as Work Allows.



PROJECT REFERENCE NO. R-2511	SHEET NO. EC-76/CONST.32
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



120 x 20 x 3  
1.5 inch Skimmer  
with 1.375 inch  
Orifice Diameter  
16 ft. weir  
ID 32-02

1.5 inch Skimmer  
with 1.25 inch  
Orifice Diameter  
5 ft. weir with  
2.5 ft. weir height  
ID 32-01  
(See Earthen Dam  
with Skimmer Detail)

MATCHLINE -L- STA. 366+00 SEE SHEET 31

MATCHLINE -L- STA. 379+00 SEE SHEET 33

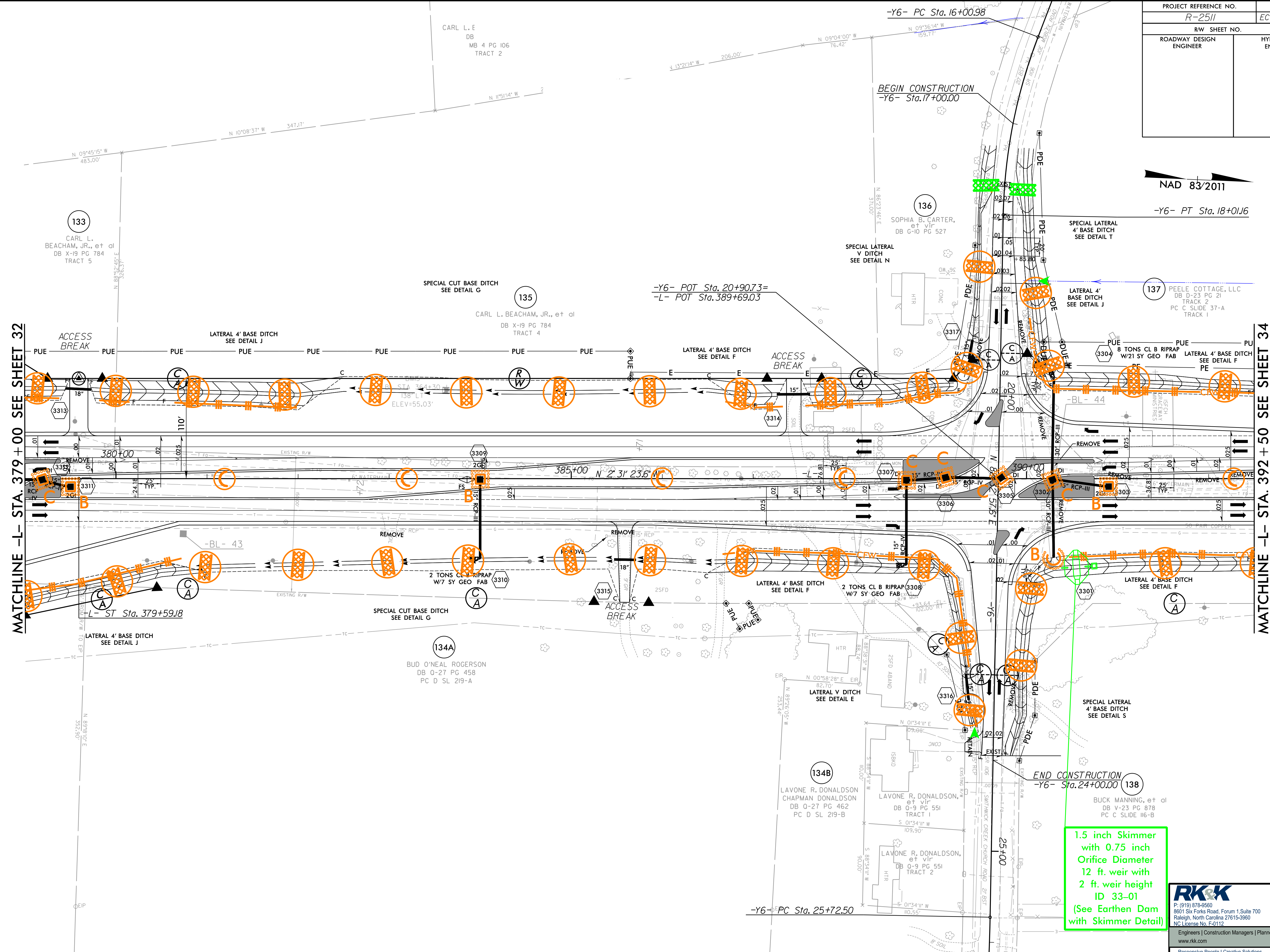
B:\4\2021\Highways\CAAD\PSH\Erosion\_Control\2511\_EC\_PSH\_76.dgn

FOR -L- PROFILE SEE SHTS. 60-61  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. <b>R-2511</b>	SHEET NO. <b>EC-77/CONST.33</b>
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NAD 83/2011  
-Y6- PT Sta. 18+01.16



1.5 inch Skimmer  
with 0.75 inch  
Orifice Diameter  
12 ft. weir with  
2 ft. weir height  
ID 33-01  
(See Earthen Dam  
with Skimmer Detail)

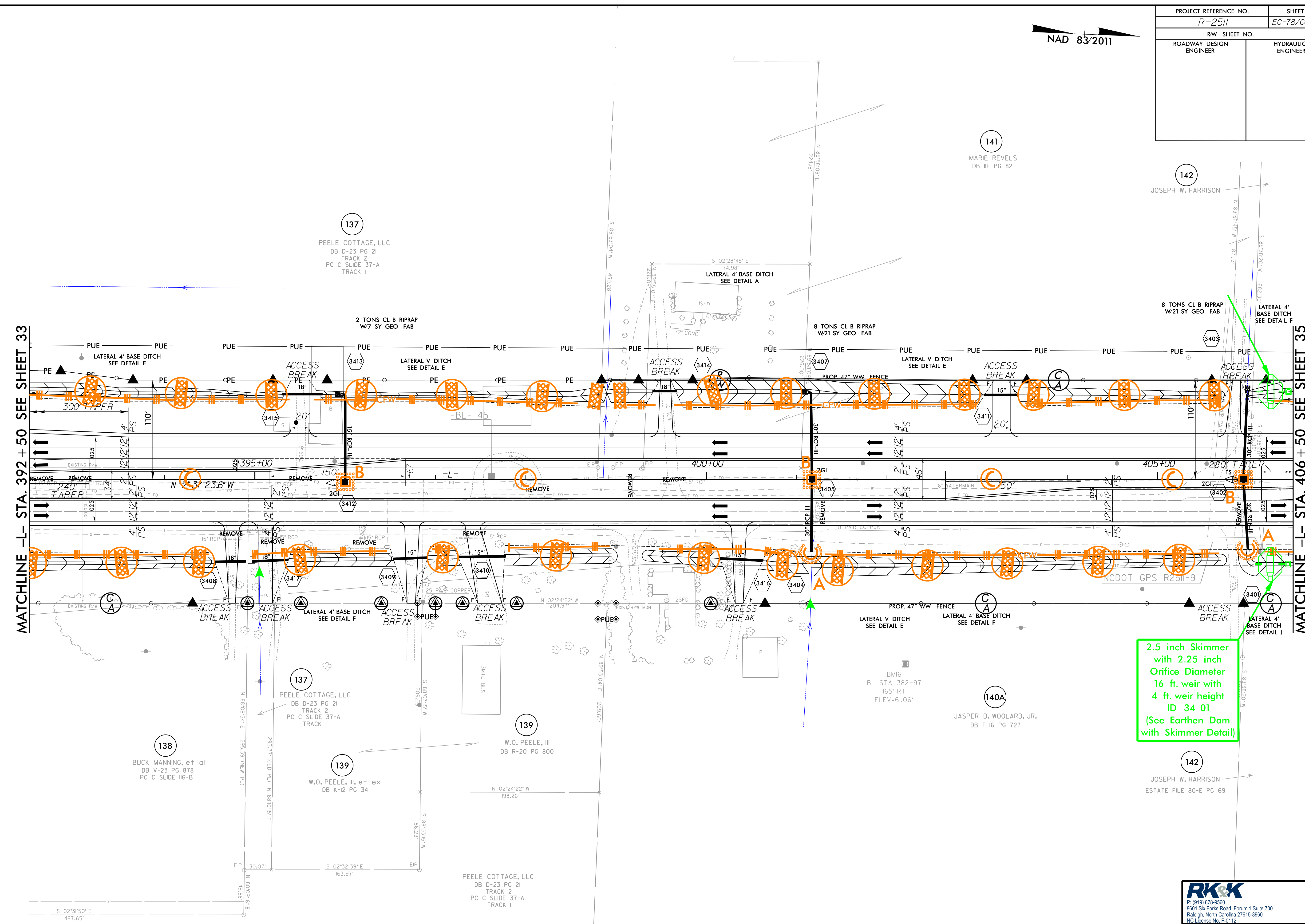
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8/17/199  
8/2/2021  
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PROJECT REFERENCE NO. R-2511	SHEET NO. EC-78/CONST.34
RW SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011



2.5 inch Skimmer  
with 2.25 inch  
Orifice Diameter  
16 ft. weir with  
4 ft. weir height  
ID 34-01  
(See Earthen Dam  
with Skimmer Detail)

MATCHLINE -L- STA. 392 +50 SEE SHEET 33

MATCHLINE -L- STA. 406 +50 SEE SHEET 35

8/17/19  
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S 02°31'50" E  
497.65'  
30' MAINTENANCE EASEMENT 15' EACH SIDE OF PL

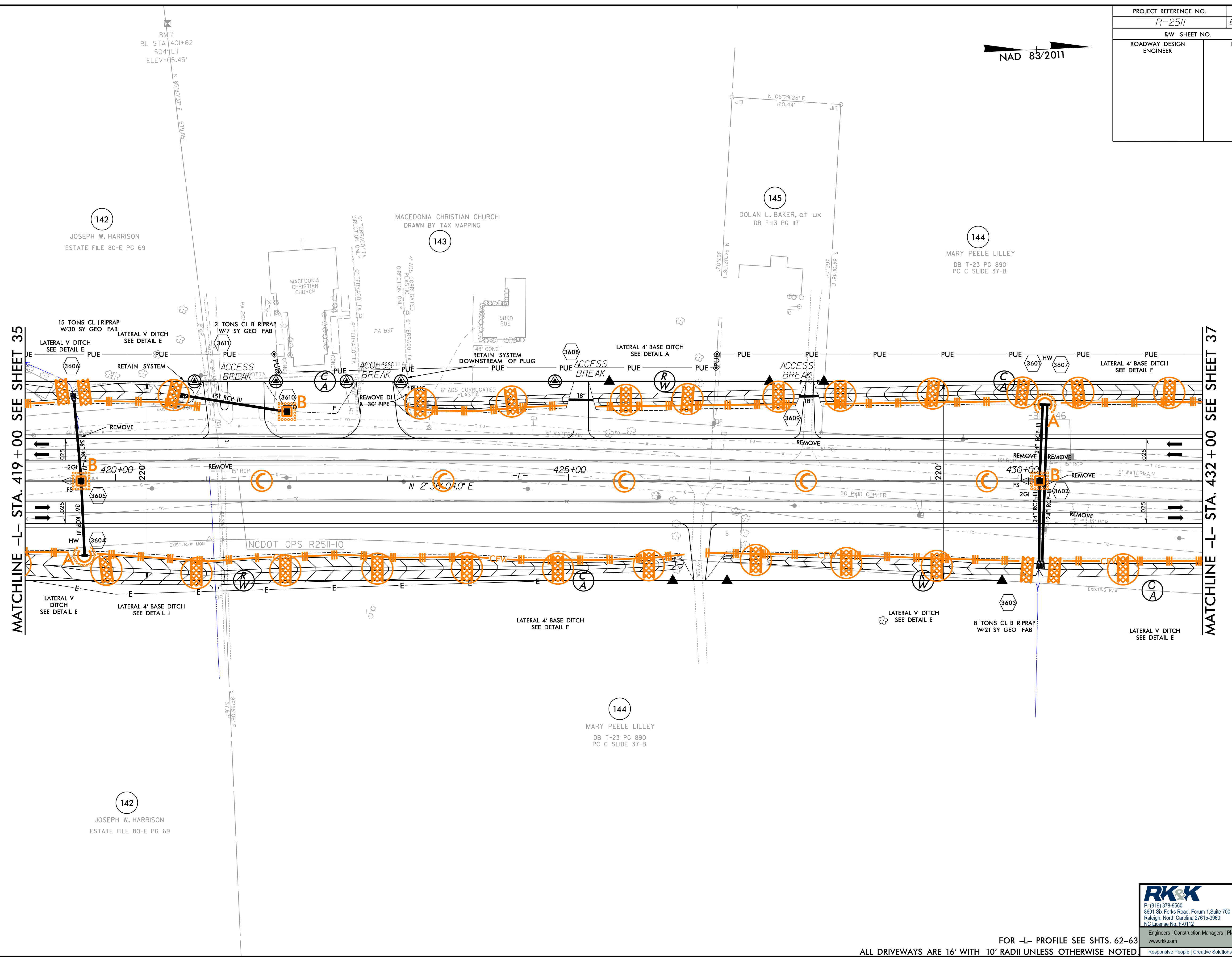
FOR -L- PROFILE SEE SHTS. 61-62  
ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED

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PROJECT REFERENCE NO. <i>R-2511</i>	SHEET NO. <i>EC-80/CONST.36</i>
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NAD 83/2011



MATCHLINE -L- STA. 419 + 00 SEE SHEET 35

MATCHLINE -L- STA. 432 + 00 SEE SHEET 37

8/17/99

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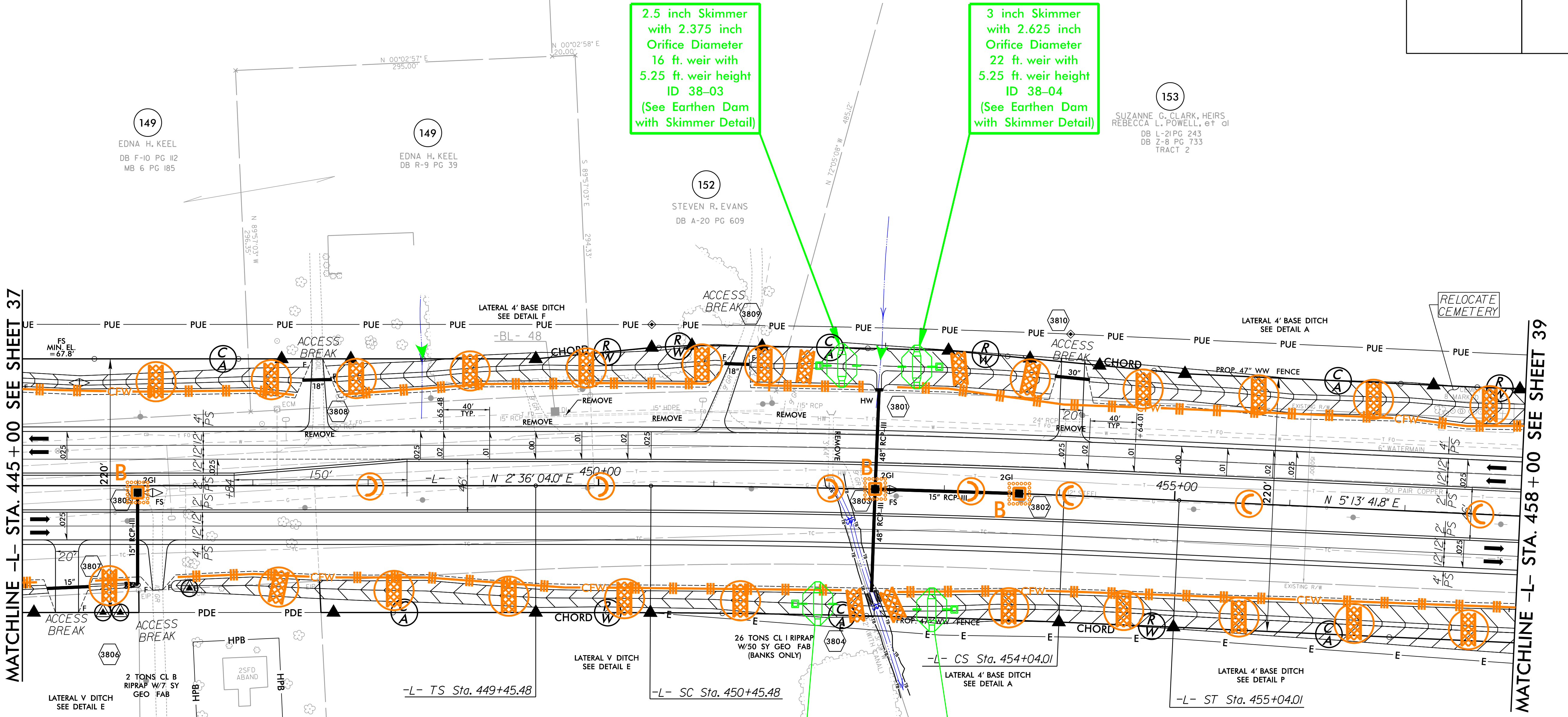
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FOR -L- PROFILE SEE SHTS. 62-63  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED



PROJECT REFERENCE NO. R-2511	SHEET NO. EC-B2/CONST.38
RW SHEET NO.	HYDRAULICS ENGINEER
ROADWAY DESIGN ENGINEER	

NAD 83/2011



2.5 inch Skimmer with 2.375 inch Orifice Diameter  
16 ft. weir with 5.25 ft. weir height  
ID 38-03  
(See Earthen Dam with Skimmer Detail)

3 inch Skimmer with 2.625 inch Orifice Diameter  
22 ft. weir with 5.25 ft. weir height  
ID 38-04  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.375 inch Orifice Diameter  
4 ft. weir with 3.5 ft. weir height  
ID 38-01  
(See Earthen Dam with Skimmer Detail)

1.5 inch Skimmer with 1.25 inch Orifice Diameter  
5 ft. weir with 2.75 ft. weir height  
ID 38-02  
(See Earthen Dam with Skimmer Detail)

MATCHLINE -L- STA. 445+00 SEE SHEET 37

MATCHLINE -L- STA. 458+00 SEE SHEET 39

8/17/99  
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S:\Projects\2021\Projects\Roadway\EC-B2\Const\EC-B2.dgn

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FOR -L- PROFILE SEE SHTS. 63-64  
 ALL DRIVEWAYS ARE 16' WITH 10' RADII UNLESS OTHERWISE NOTED