



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI
SECRETARY

November 14, 2011

U.S. Army Corps of Engineers
Regulatory Field Office
Post Office Box 1000
Washington, NC 27889-1000

Attention: Mr. Tom Steffens
NCDOT Coordinator

Dear Sir:

Subject: **Revised Application for a Section 404 Individual Permit, Section 401 Water Quality Certification, and Neuse Riparian Buffer Authorization** for construction of the widening of NC 42 from US 70 (Clayton) to east of SR 1902 (Rocky Branch Rd) in Johnston County. Federal Aid Project No. STP-42(4). State Project No. 8.1312301. TIP No. R-3825A.

Reference: NCDOT application dated August 12, 2011

Please find revised permit drawings and roadway plans showing the reduction in wetland impacts from the previously submitted drawings. In addition, a revised Debit Ledger for the Marks Creek Mitigation Site reflecting the wetland impact reduction is also included.

NCDOT is rescinding the Individual Permit application referenced above and instead, applying for a Nationwide Permit 14. Permanent impacts to riparian wetlands associated with this project have been reduced from 0.56 acre to 0.49 acre. Proposed impacts to 174 linear feet of streams and 15,509 sq. ft. of riparian buffer impacts remain unchanged.

Permit drawing sheets 2 of 13, 5 of 13, and 13 of 13 were changed as follows:

Site 2 - Revised due to the change from mechanized clearing to hand clearing. Thus, the summary sheet changed from 0.13 acre of mechanized clearing to 0.06 acre, and from no hand clearing to 0.07 acre. Temporary fill due to erosion control devices will be 0.01 ac.

Roadway plan sheets 5, 7, 8, and 9 were changed as follows:

(Sheet 5) -Revising property owner name from Benjamin A. Orringer to Barry W. Partlo.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6100
FAX: 919-212-5785

WEBSITE: WWW.NCDOT.ORG

LOCATION:
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328

- (Sheet 7) -Revising Temporary Construction Easement to Permanent Drainage Easement around ditch on Parcel No. 8.
- (Sheet 8) -Revising Temporary Drainage Easement to Permanent Drainage Easement around ditch on Parcel No. 10.
-Modifying Temporary Construction Easement on Parcel No. 9.
- (Sheet 9) -Adding Permanent Drainage Easement around pipe outlet on Parcel No. 9.
-Removing a property line and eliminating Parcel No. 15.
-Revising Parcel No. 10 to Parcel No. 10A from station 76+78.74 to station 80+14.22.
-Modifying Temporary Construction Easement on Parcel No. 10A.

Regulatory approvals

Section 404 Permit: Due to the reduction of proposed impacts, the NCDOT requests that a Nationwide Permit 14 authorize activities only for the construction of R-3825A. A separate permit application will be submitted at a later date for R-3825B as that section has a Post Year let date.

Section 401 Water Quality Certification: We anticipate 401 General Certification number 3820 will apply to this project. All general conditions of the Water Quality Certification will be met. NCDOT is providing five copies of this revised application to the NCDWQ for their review and approval.

Neuse Riparian Buffer Authorization: NCDOT requests that the NC Division of Water Quality review this revised application and issue a written approval for a Neuse Riparian Buffer Authorization.

A copy of this revised permit application and its distribution list will be posted on the NCDOT website at <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>

Thank you for your assistance with this project. If you have any questions or need additional information, please contact Chris Manley at cdmanley@ncdot.gov or (919) 707-6135.

Sincerely,



fw Gregory J. Thorpe, Ph.D., Unit Head
Project Development & Environmental Analysis

cc:

NCDOT Permit Application Standard Distribution List



STATE OF NORTH CAROLINA
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BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

The Jeffrey’s Warehouse Mitigation Site was originally constructed as on-site mitigation for R-1030 US 117 from south of NC 581 in Goldsboro to the US 264 Bypass in Wilson. There are two parcels associated with this mitigation site. The west parcel (approximately 50.2 acres) is bounded on the northwest by the Little River and on the southeast by the US 117 right-of-way. The east parcel (approximately 37.5 acres) is bounded on the northwest by the US 117 right-of-way, on the northeast by a Wayne County Board of Education school bus maintenance shop, and on the east and southeast by private property. The site was constructed in 2006 and has undergone two year of hydrologic and vegetative monitoring.

The Marks Creek Mitigation Site is located approximately two miles southeast of Knightdale off of Knightdale-Eagle Rock Road in Wake County. The site was originally constructed as on-site mitigation for R-2547 the Knightdale Bypass. The site consists of stream restoration, wetland restoration, wetland enhancement, and wetland preservation. It was constructed in 2002, planted in 2003, and has undergone five years of hydrologic and vegetative monitoring

To offset unavoidable stream impacts, 174 ft., associated with T.I.P R-3825A, the Jeffrey’s Warehouse Mitigation Site will be debited 174ft. of Stream Restoration. To offset unavoidable riverine wetland impacts of .49 acres associated with T.I.P. R-3825A the Marks Creek Mitigation Site will be debited .49 acres of riverine wetland restoration. These debits are reflected in the debit ledger below.

Jeffrey’s Warehouse Stream Restoration Debits

Mitigation Type	DEBIT AMOUNT (Ft)	Site TIP
Stream Restoration	452	B-3529 262ft@2:1
Stream Restoration	61	U-4011
Stream Restoration	222	U-4703
Stream Restoration	25	U-3344A
Stream Restoration	279	EB-4993
Stream Restoration	174	R-3825a

Marks Creek Mitigation Site

Mitigation Type	DEBIT AMOUNT (AC)	Site TIP
Riparian Wetland Enhancement	10.9	R-2000F&G
Riparian Wetland Enhancement	0.49	R-3825A

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WEBSITE: WWW.NCDOT.ORG

LOCATION:

1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328

WETLAND PERMIT IMPACT SUMMARY

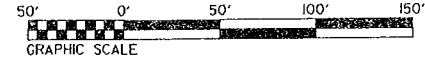
Site No.	Station (From/To)	Structure Size / Type	WETLAND IMPACTS				SURFACE WATER IMPACTS																	
			Permanent Fill in Wetlands (ac)	Temp. Fill in Wetlands (ac)	Excavation in Wetlands (ac)	Mechanized Clearing in Wetlands (ac)	Hand Clearing in Wetlands (ac)	Permanent SW impacts (ac)	Temp. SW impacts (ac)	Existing Channel Impacts Permanent (ft)	Existing Channel Impacts Temp. (ft)	Natural Stream Design (ft)												
1	-L- 35+91 to 36+31	60" RCP																						
2	-L- 36+60 to 41+37	66" RCP	0.38			0.02	0.07									80								
3	-L- 90+86 to 92+20	Exist 30" RCP	0.02		0.03	0.04																		
TOTALS:			0.40	0.00	0.03	0.06	0.07																	

Additional Impacts Notes:
At Site 2, temporary fill due to erosion control devices will be 0.01 Ac.

Revised
11/14/11
Permit Drawing
Sheet 13 of 13

7/2/99

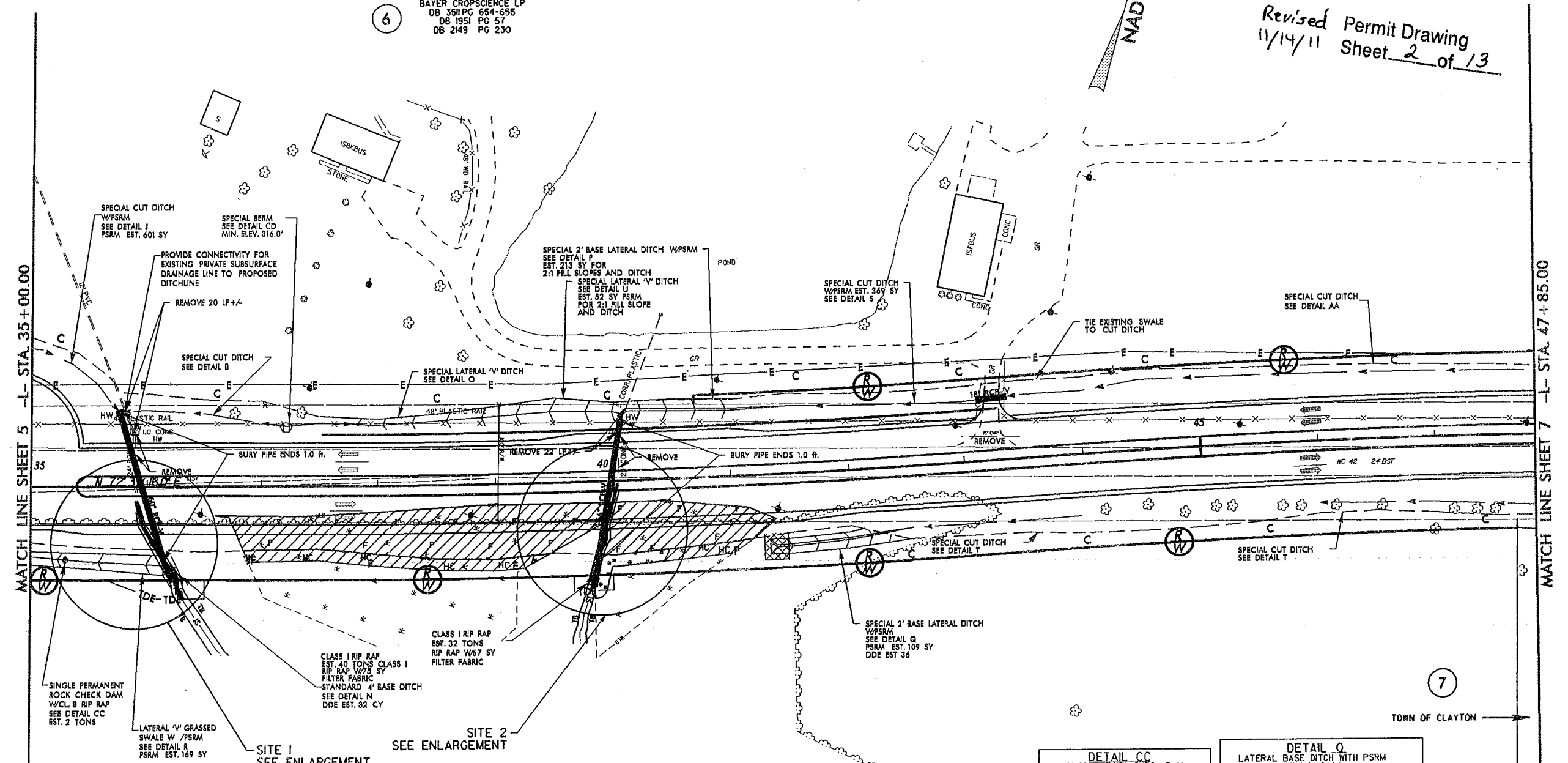
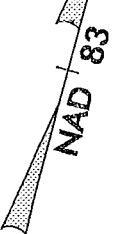
WETLANDS SURFACE WATER PERMIT DWG.



PROJECT REFERENCE NO. R-3825A	SHEET NO. 6
R/W SHEET NO. ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

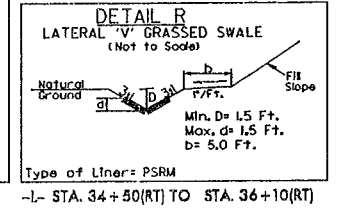
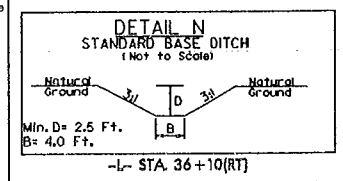
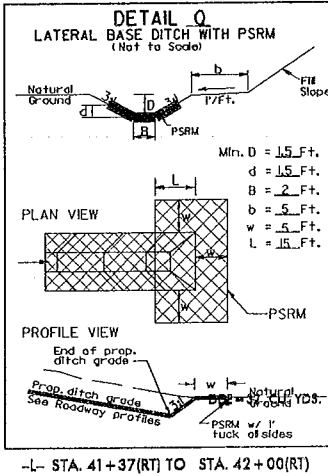
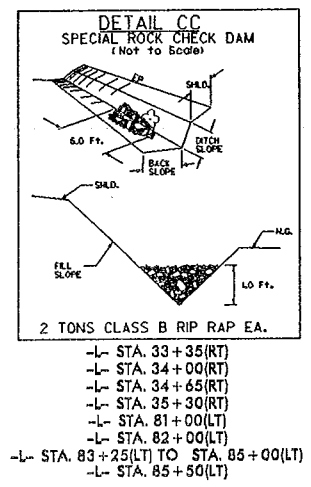
6 BAYER CROPSCIENCE LP
DB 358 PG 654-655
DB 1951 PG 57
DB 2149 PG 230

Revised Permit Drawing
11/14/11 Sheet 2 of 13



- DENOTES FILL IN WETLAND
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING

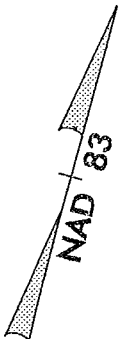
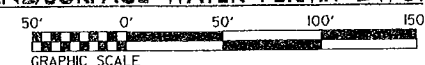
1 NORTH CAROLINA RAILROAD COMPANY
DB 867 PG 482



WETLANDS/SURFACE WATER PERMIT DWG.

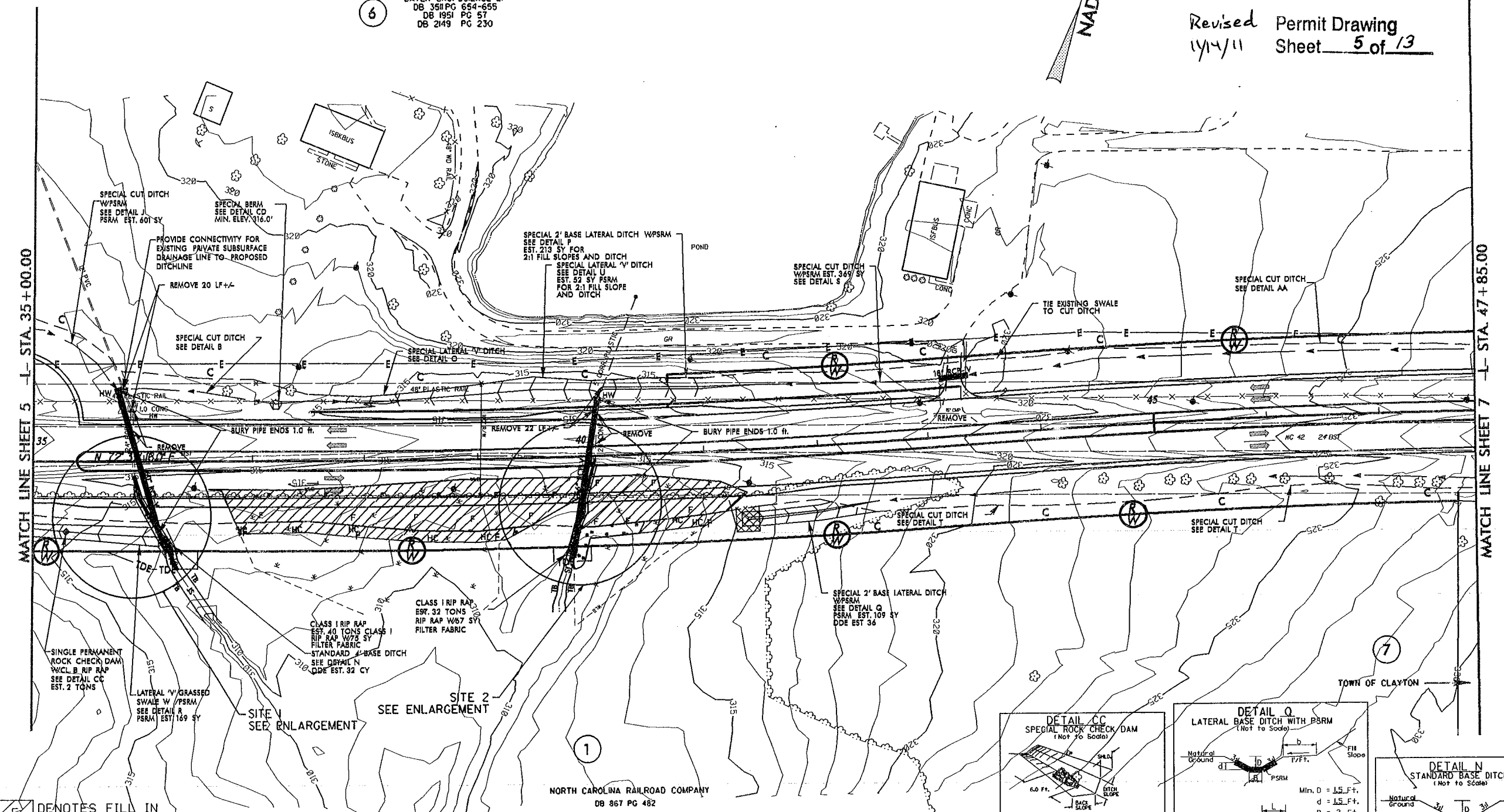
PROJECT REFERENCE NO. R-3825A	SHEET NO. 6
RAW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

ENGLISH

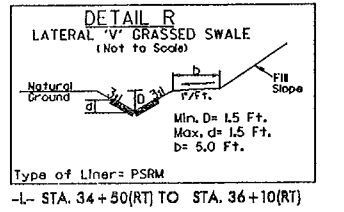
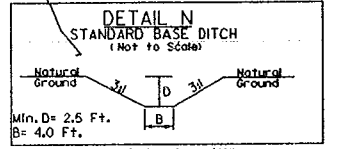
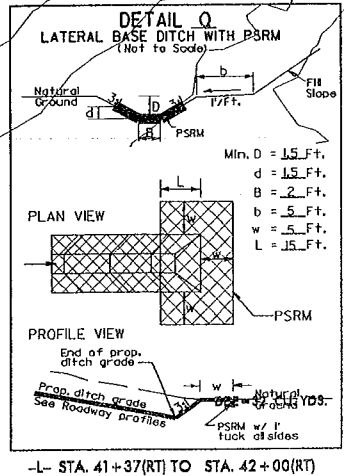
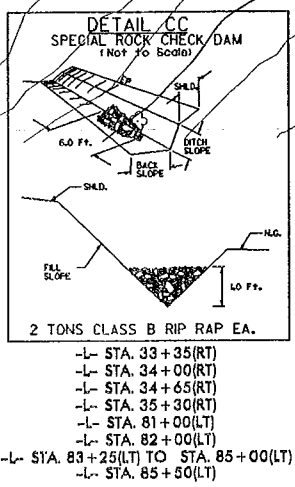


Revised Permit Drawing
11/11/11 Sheet 5 of 13

6 BAYER CROPSCIENCE LP
DB 358 PG 654-655
DB 1951 PG 57
DB 2149 PG 230



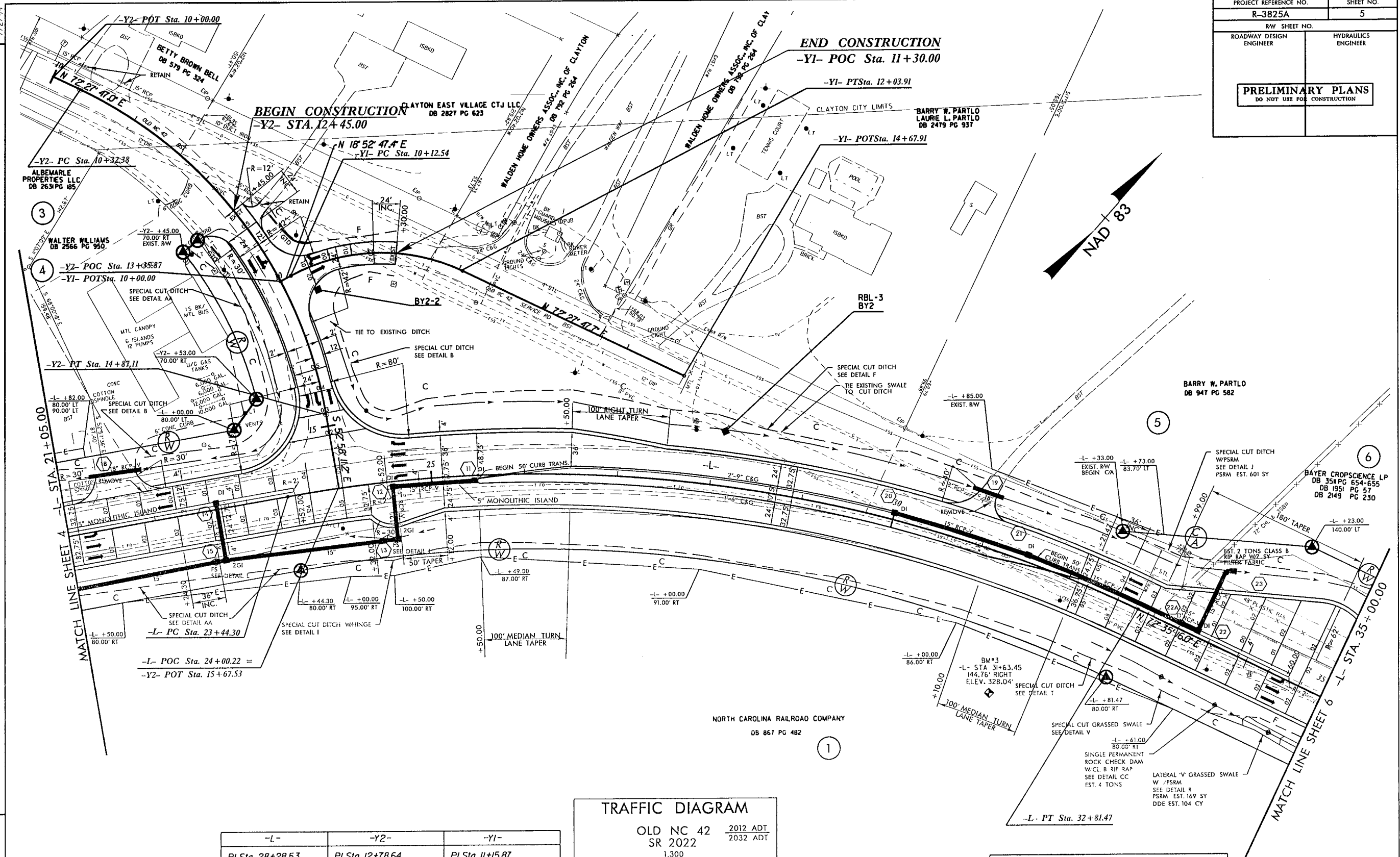
- DENOTES FILL IN WETLAND
- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES MECHANIZED CLEARING
- DENOTES HAND CLEARING



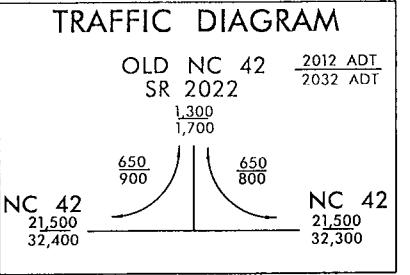
7/12/99

DATE: 11/11/11
BY: JMM

REVISIONS
 03/23/11 RW REVISIONS: ADDED A U-TURN BULB, CA AND RW AND REMOVED THE TCE ON PARCELS NO. 5 AND 6. SCL
 06/23/11 RW REVISION: REVISED U-TURN BULB, CA AND RW AND TCE ON PARCELS NO. 5 AND 6. SCL
 11/21/11 RW REVISION: PROPERTY OWNER NAME CHANGE FROM BENJAMIN A ORRINGER TO BARRY PARTLO. SCL



-L-	-Y2-	-Y1-
PI Sta 28+28.53	PI Sta 12+78.64	PI Sta 11+15.87
$\Delta = 35^{\circ} 33' 36.0''$ (RT)	$\Delta = 54^{\circ} 34' 01.8''$ (RT)	$\Delta = 53^{\circ} 35' 00.3''$ (RT)
D = 3' 47' 39.9"	D = 12' 00' 00.0"	D = 28' 00' 00.0"
L = 937.17'	L = 4547.3'	L = 191.37'
T = 484.23'	T = 246.26'	T = 103.33'
R = 1510.00'	R = 477.46'	R = 204.63'
SE = 0.05	SE = 0.05	SE = SEE PLANS
INC = 36'	INC = 24'	INC = 24'
RUNOFF = 180'	RUNOFF = SEE PLANS	RUNOFF = SEE PLANS



DRIVEWAY RADII ARE 20' UNLESS
 OTHERWISE NOTED
 FOR -L- PROFILE SEE SHEET 11
 FOR -Y1- PROFILE SEE SHEET 14
 FOR -Y2- PROFILE SEE SHEET 14

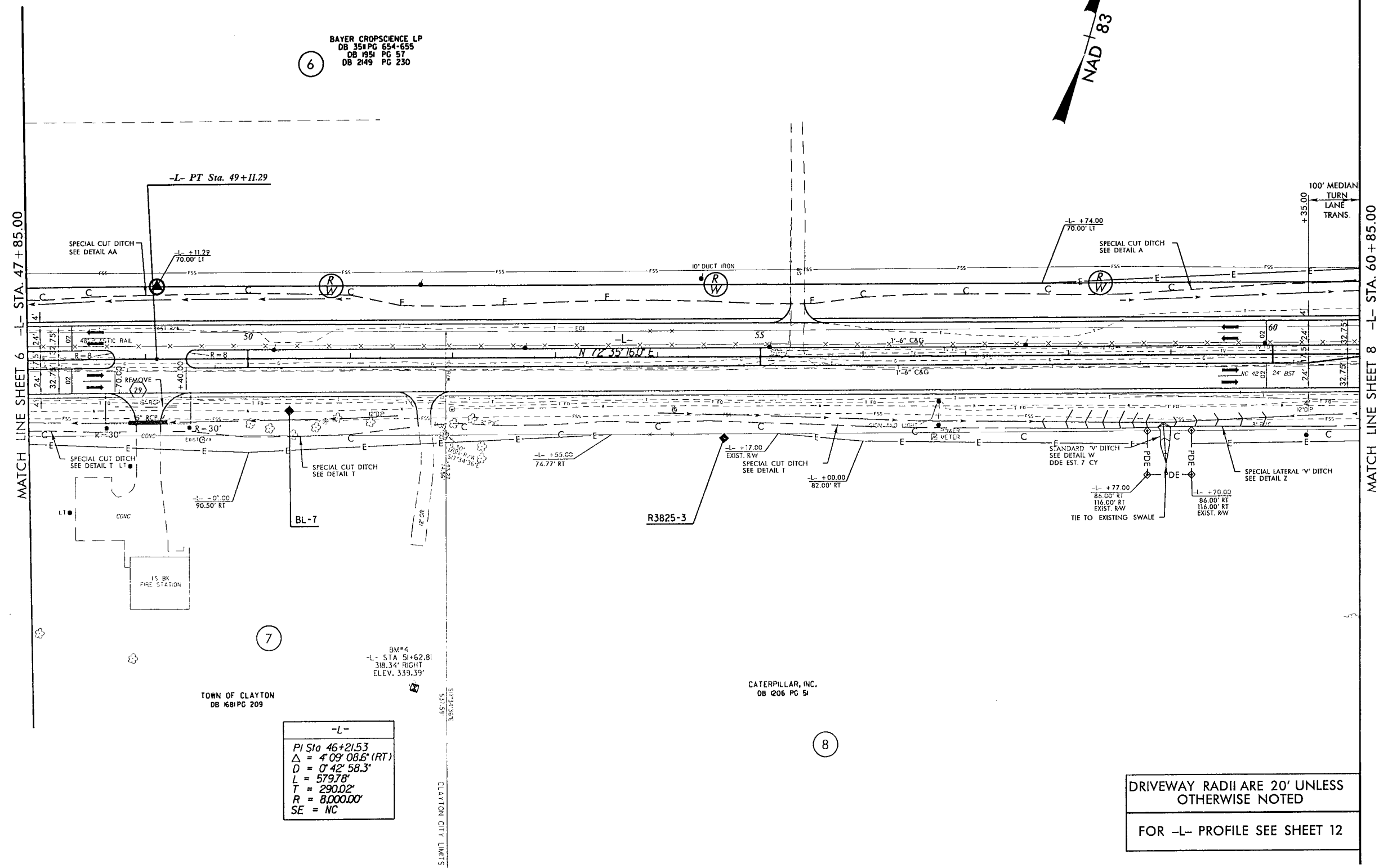
02-NOV-2011 10:06
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PROJECT REFERENCE NO. R-3825A	SHEET NO. 7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

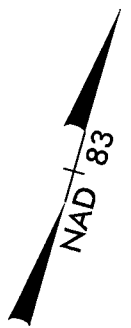
7/2/99

REVISIONS
11/2/01 RW REVISION: REVISED TCE TO PDE AROUND DITCH ON PARCEL NO. 8. DDK

07-NOV-2011 10:06
R:\Road\Proj\3825a_rdy.psd\...dgn
\$\$\$\$\$USERNAME\$\$\$\$\$



6
BAYER CROPSCIENCE LP
DB 35 PG 654-655
DB 1951 PG 57
DB 2149 PG 230



7
TOWN OF CLAYTON
DB 681 PG 209

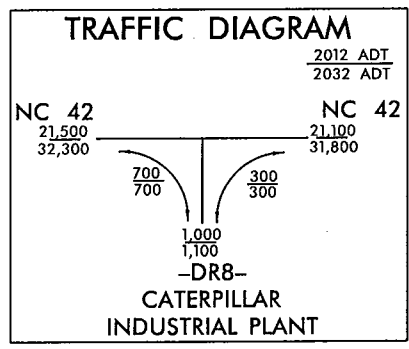
8
CATERPILLAR, INC.
DB 206 PG 51

-L-
PI Sta 46+21.53
Δ = 4° 09' 08.6" (RT)
D = 0' 42" 58.3"
L = 579.78'
T = 290.02'
R = 8,000.00'
SE = NC

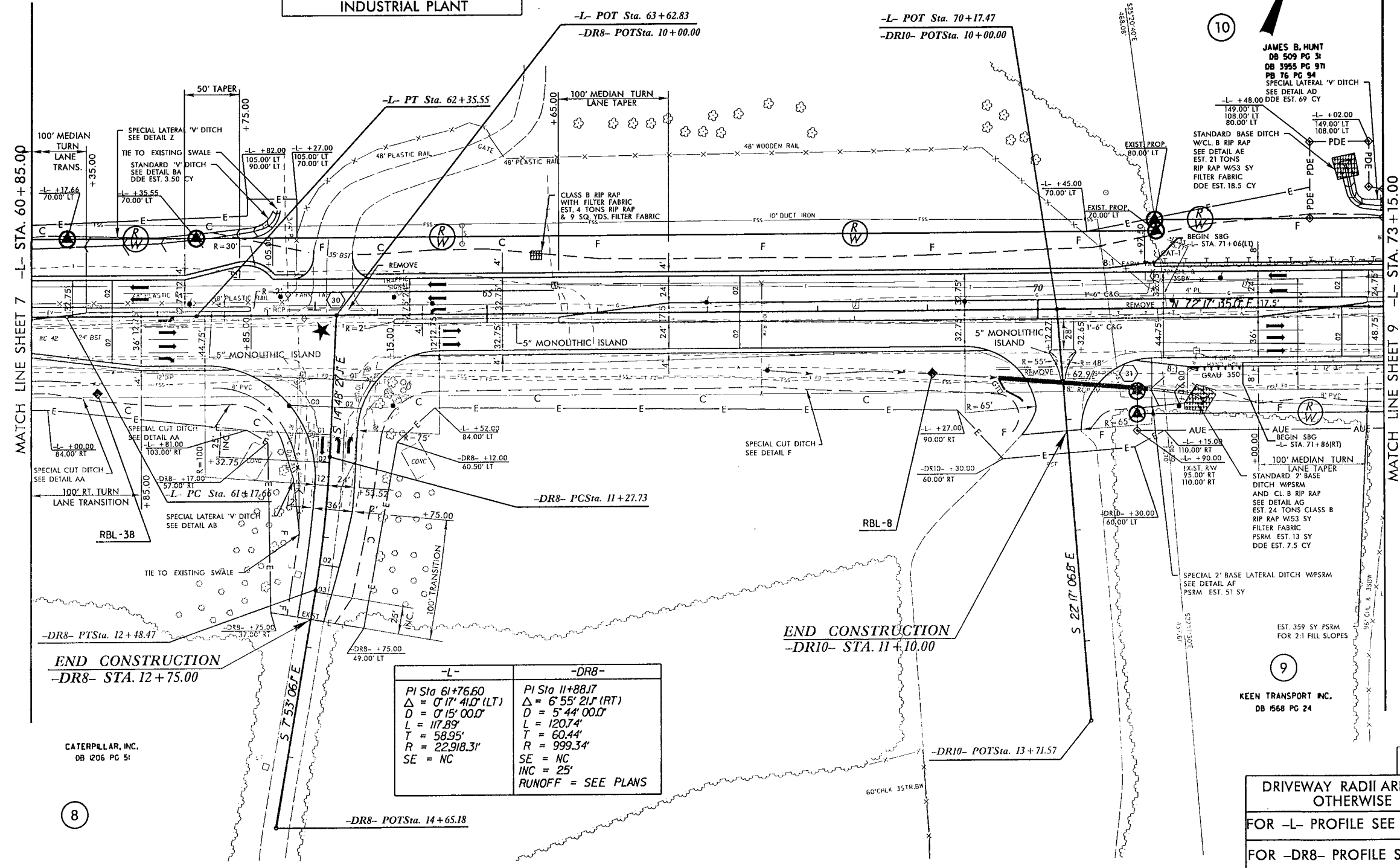
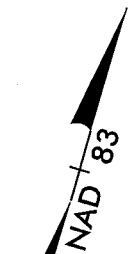
DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
FOR -L- PROFILE SEE SHEET 12

CLAYTON CITY LIMITS

PROJECT REFERENCE NO.	SHEET NO.
R-3825A	8
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS	
DO NOT USE FOR CONSTRUCTION	



6
BAYER CROSCENCE LP
DB 358 PG 654-655
DB 1951 PG 57
DB 249 PG 230



11/2/11 RW REVISIONS: REVISED TDE TO PDE ON PARCEL NO. 10. MODIFIED TCE ON PARCEL NO. 9 DDK

REVISIONS

02-NOV-2011 10:06
R:\Projects\11-3825\11-3825.dwg
\$\$\$\$\$USER\$\$\$\$\$

END CONSTRUCTION
-DR8- STA. 12 + 75.00

END CONSTRUCTION
-DR10- STA. 11 + 10.00

-L-	-DR8-
PI Sta 61+76.60	PI Sta 11+88.17
Δ = 0' 17" 41.0' (LT)	Δ = 6' 55" 21.1' (RT)
D = 0' 15" 00.0"	D = 5' 44" 00.0"
L = 117.89'	L = 120.74'
T = 58.95'	T = 60.44'
R = 22,918.31'	R = 999.34'
SE = NC	SE = NC
	INC = 25'
	RUNOFF = SEE PLANS

8

9

★ PROPOSED SIGNAL

DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED

FOR -L- PROFILE SEE SHEETS 12 & 13

FOR -DR8- PROFILE SEE SHEET 14

CATERPILLAR, INC.
DB 1206 PG 51

KEEN TRANSPORT INC.
DB 1568 PG 24

EST. 359 SY PSRM FOR 2:1 FILL SLOPES

SPECIAL 2" BASE LATERAL DITCH W/PSRM SEE DETAIL AF PSRM EST. 51 SY

AUE BEGIN SBG -L- STA. 71+86(RT)

REMOVE 12" 11" 35" 117.5'

STANDARD BASE DITCH W/CL B RIP RAP SEE DETAIL AE EST. 21 TONS RIP RAP W/53 SY FILTER FABRIC DDE EST. 18.5 CY

JAMES B. HUNT DB 509 PG 31 DB 3955 PG 971 PB 76 PG 94 SPECIAL LATERAL 'V' DITCH SEE DETAIL AD

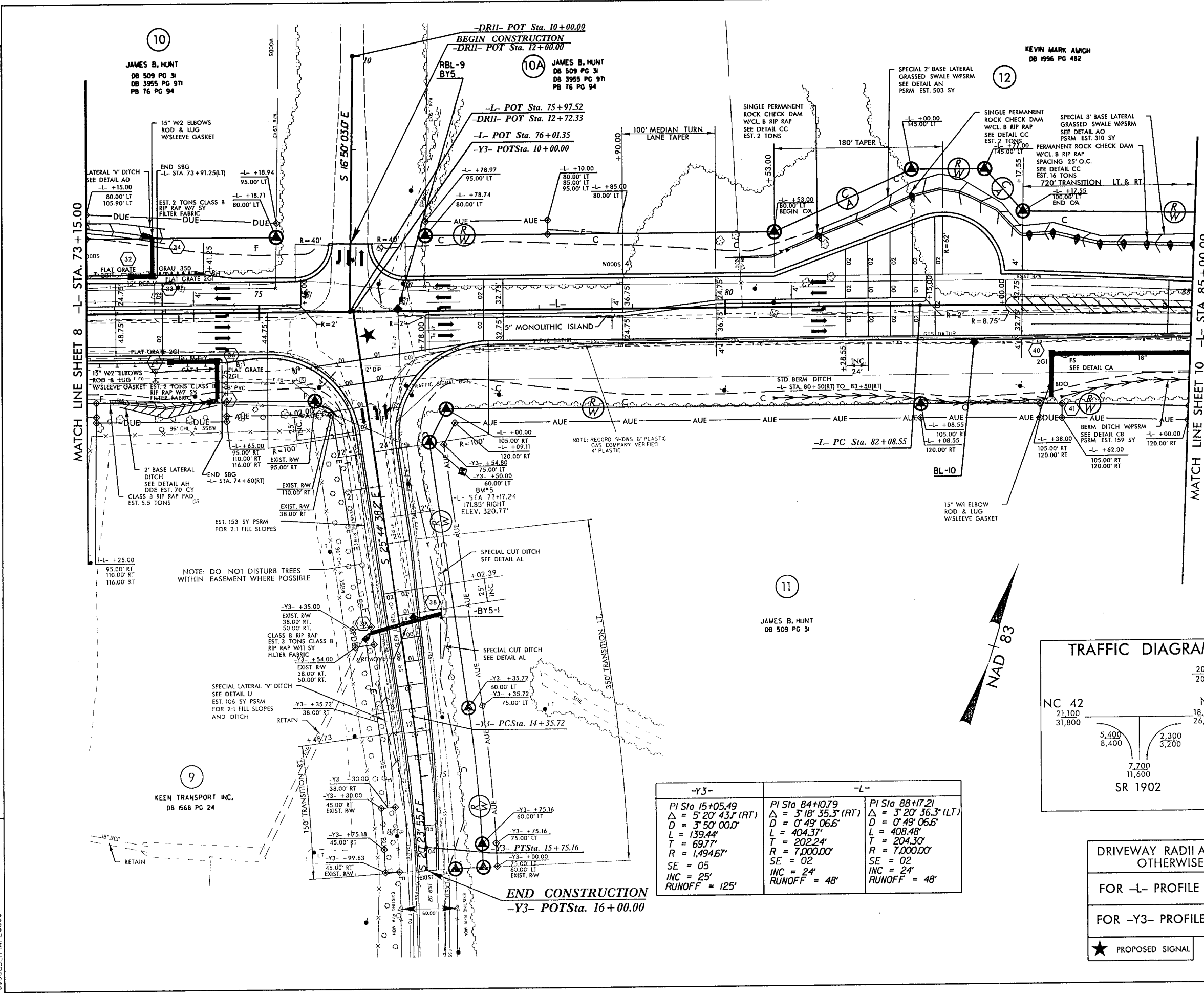
60" CHLK 35TR.BW

MATCH LINE SHEET 7 -L- STA. 60 + 85.00

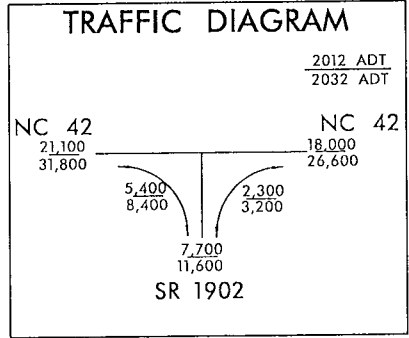
MATCH LINE SHEET 9 -L- STA. 73 + 15.00

REVISIONS
 11/21/11 RW REVISIONS: ADDED PDE ON PARCEL NO. 9; REVISED PARCEL NO. 10 TO PARCEL NO. 10A FROM STATION 76+78.74 TO 80+14.22; MODIFIED TCE ON PARCEL NO. 10A; REMOVED PROPERTY LINE AND EUMINTED PARCEL NO. 15, DDK

07-NOV-2011 10:05
 R:\Roadway\3825a_rdy_rsh\09.dgn
 \$\$\$\$\$\$USER\$\$\$\$\$\$



-Y3-	-L-	
PI Sta 15+05.49	PI Sta 84+10.79	PI Sta 88+17.21
$\Delta = 5' 20'' 43.1''$ (RT)	$\Delta = 3' 18'' 35.3''$ (RT)	$\Delta = 3' 20'' 36.3''$ (LT)
D = 3' 50'' 00.0'	D = 0' 49'' 06.6'	D = 0' 49'' 06.6'
L = 139.44'	L = 404.37'	L = 408.48'
T = 69.77'	T = 202.24'	T = 204.30'
R = 1,494.67'	R = 7,000.00'	R = 7,000.00'
SE = 05	SE = 02	SE = 02
INC = 25'	INC = 24'	INC = 24'
RUNOFF = 125'	RUNOFF = 48'	RUNOFF = 48'



DRIVEWAY RADII ARE 20' UNLESS OTHERWISE NOTED
 FOR -L- PROFILE SEE SHEET 13
 FOR -Y3- PROFILE SEE SHEET 14
 ★ PROPOSED SIGNAL

10
 JAMES B. HUNT
 DB 509 PG 31
 DB 3955 PG 97
 PB 76 PG 94

10A
 JAMES B. HUNT
 DB 509 PG 31
 DB 3955 PG 97
 PB 76 PG 94

12
 KEVIN MARK AMCH
 DB 1996 PG 482

11
 JAMES B. HUNT
 DB 509 PG 31

9
 KEEN TRANSPORT INC.
 DB 568 PG 24