

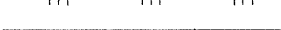
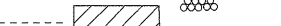
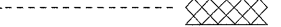
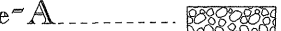
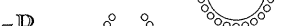
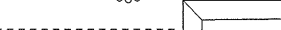
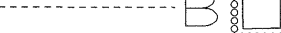
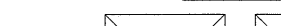


**METRIC**

ALL DIMENSIONS IN THE  
PLANS ARE IN METERS  
UNLESS OTHERWISE SHOWN

|                |                             |             |              |
|----------------|-----------------------------|-------------|--------------|
| STATE          | STATE PROJECT REFERENCE NO. | SHEET NO.   | TOTAL SHEETS |
| N.C.           | R-2554A                     | EC-1        |              |
| STATE PROJ.NO. | F.A.PROJ.NO.                | DESCRIPTION |              |
|                |                             |             |              |
|                |                             |             |              |
|                |                             |             |              |
|                |                             |             |              |

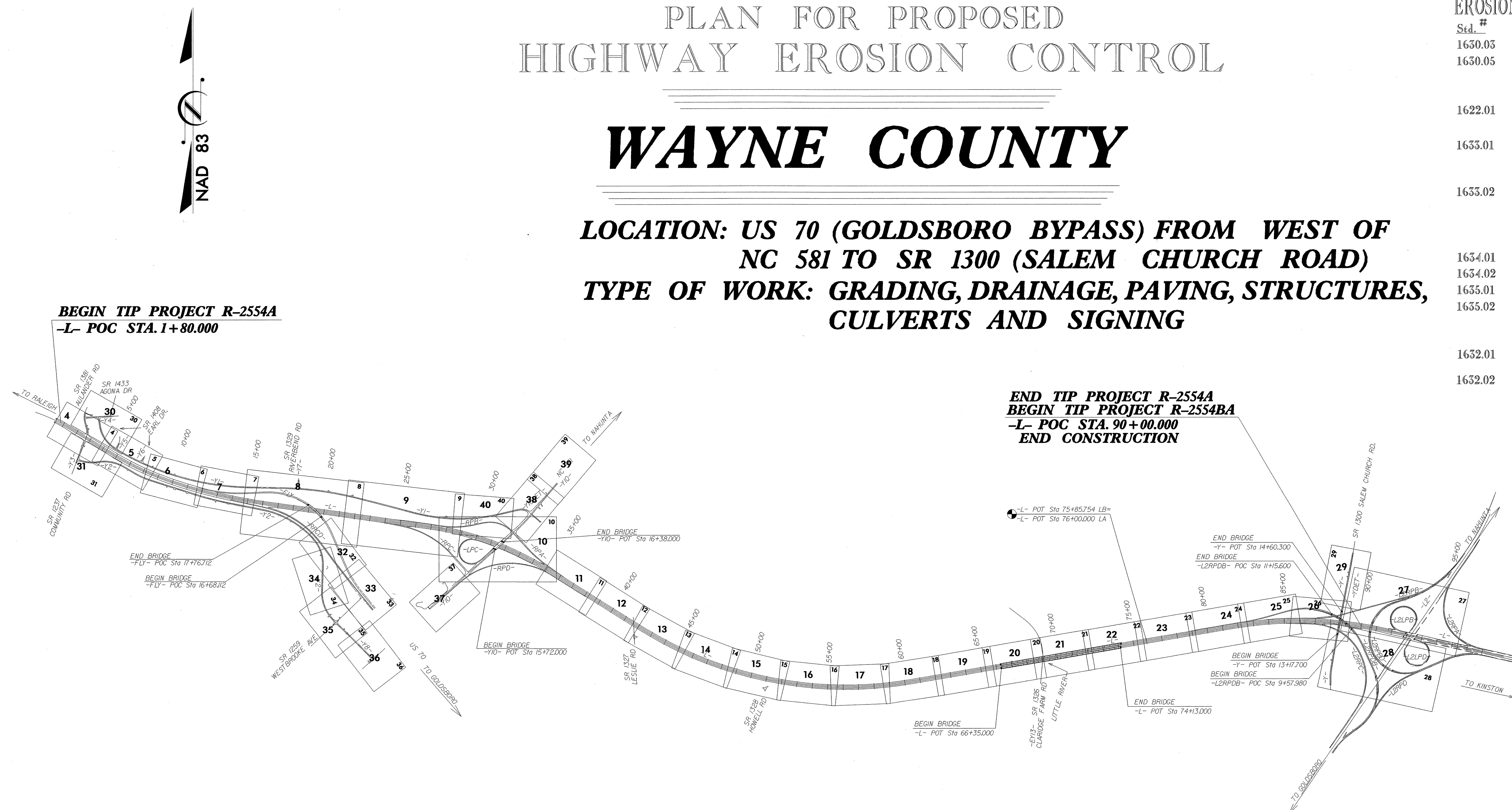
## EROSION AND SEDIMENT CONTROL MEASURES

| Std. #  | Description                                                                 | Symbol                                                                                |
|---------|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1630.05 | Temporary Silt Ditch.....                                                   |    |
| 1630.05 | Temporary Diversion.....                                                    |    |
|         | Temporary Silt Fence.....                                                   |    |
|         | Special Sediment Control Fence.....                                         |    |
| 1622.01 | Temporary Berms and Slope Drains.....                                       |    |
|         | Silt Basin Type B.....                                                      |    |
| 1633.01 | Temporary Rock Silt Check Type-A.....                                       |    |
|         | Temporary Rock Silt Check Type-A with Matting and Polyacrylamide (PAM)..... |    |
| 1633.02 | Temporary Rock Silt Check Type-B.....                                       |    |
|         | Wattle / Coir Fiber Wattle.....                                             |    |
|         | Wattle / Coir Fiber Wattle with Polyacrylamide (PAM).....                   |    |
| 1634.01 | Temporary Rock Sediment Dam Type-A.....                                     |    |
| 1634.02 | Temporary Rock Sediment Dam Type-B.....                                     |    |
| 1635.01 | Rock Pipe Inlet Sediment Trap Type-A.....                                   |    |
| 1635.02 | Rock Pipe Inlet Sediment Trap Type-B.....                                   |    |
|         | Stilling Basin.....                                                         |    |
|         | Rock Inlet Sediment Trap:                                                   |                                                                                       |
| 1632.01 | Type A.....                                                                 |    |
| 1632.02 | Type B.....                                                                 |    |
|         | Type C.....                                                                 |    |
|         | Skimmer Basin.....                                                          |    |
|         | Tiered Skimmer Basin.....                                                   |   |
|         | Infiltration Basin.....                                                     |  |

**THIS PROJECT HAS  
BEEN DESIGNED TO  
SENSITIVE WATERSHED  
STANDARDS**

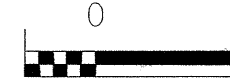
**ENVIRONMENTALLY  
SENSITIVE AREA(S) EXIST  
ON THIS PROJECT**

**Refer To E. C. Special Provisions  
for Special Considerations.**

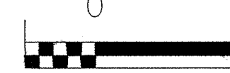


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## PLANS



### PROFILE (HORIZONTAL)



### PROFILE (VERTICAL)

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY  
WITH THE REGULATIONS SET FORTH BY THE  
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011  
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND  
NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:

**ROADSIDE ENVIRONMENTAL UNIT**

1 South Wilmington St.  
Raleigh, NC 27611

## 2006 STANDARD SPECIFICATIONS

## Roadway Standard Drawings

The following roadway metric standards as appear in "Roadway Standard Drawings"- Roadway Design Unit - N. C. Department of Transportation - Raleigh, N. C., dated July 2006 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

|         |                                  |         |                               |        |
|---------|----------------------------------|---------|-------------------------------|--------|
| 1605.01 | Temporary Silt Fence             | 1632.01 | Rock Inlet Sediment Trap      | Type A |
| 1606.01 | Special Sediment Control Fence   | 1632.02 | Rock Inlet Sediment Trap      | Type B |
| 1622.01 | Temporary Berms and Slope Drains | 1632.03 | Rock Inlet Sediment Trap      | Type C |
| 1630.01 | Riser Basin                      | 1633.01 | Temporary Rock Silt Check     | Type A |
| 1630.02 | Silt Basin, Type B               | 1633.02 | Temporary Rock Silt Check     | Type B |
| 1630.03 | Temporary Silt Ditch             | 1634.01 | Temporary Rock Sediment Dam   | Type A |
| 1630.04 | Stilling Basin                   | 1634.02 | Temporary Rock Sediment Dam   | Type B |
| 1630.05 | Temporary Diversion              | 1635.01 | Rock Pipe Inlet Sediment Trap | Type A |
|         |                                  | 1635.02 | Rock Pipe Inlet Sediment Trap | Type B |
|         |                                  | 1636.01 | Rock Silt Screen              |        |



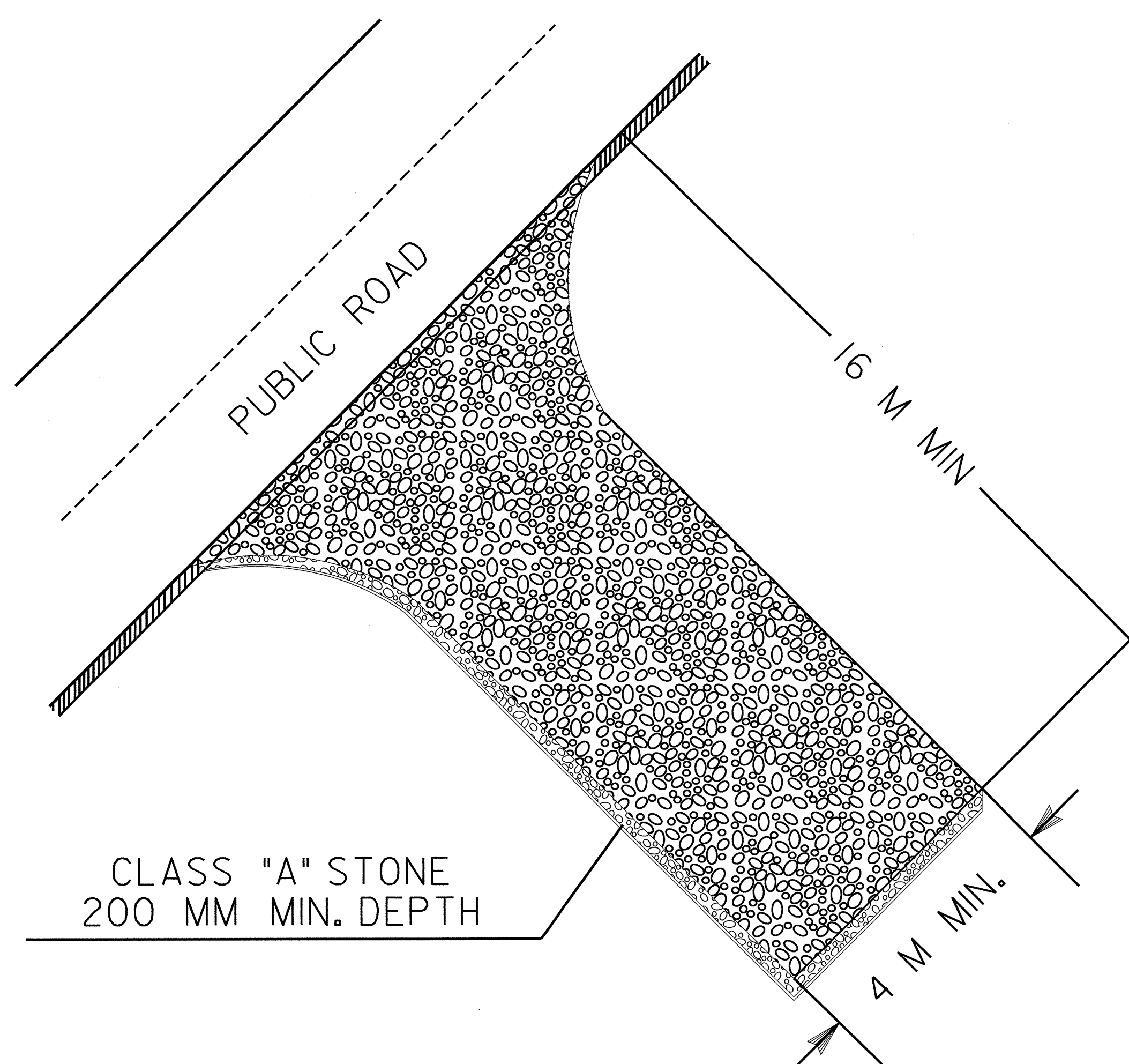


|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-2                |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

## TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

### NOTES:

1. TURNING RADIUS SUFFICIENT TO ACCOMODATE LARGE TRUCKS SHALL BE PROVIDED.
2. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR UTILIZATION BY ALL CONSTRUCTION VEHICLES.
3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY.
4. ANY MATERIAL TRACKED ONTO THE ROADWAY MUST BE CLEANED UP IMMEDIATELY.
5. GRAVEL CONSTRUCTION ENTRANCE SHALL BE LOCATED AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.
6. NUMBER AND LOCATION OF CONSTRUCTION ENTRANCES TO BE DETERMINED BY THE ENGINEER



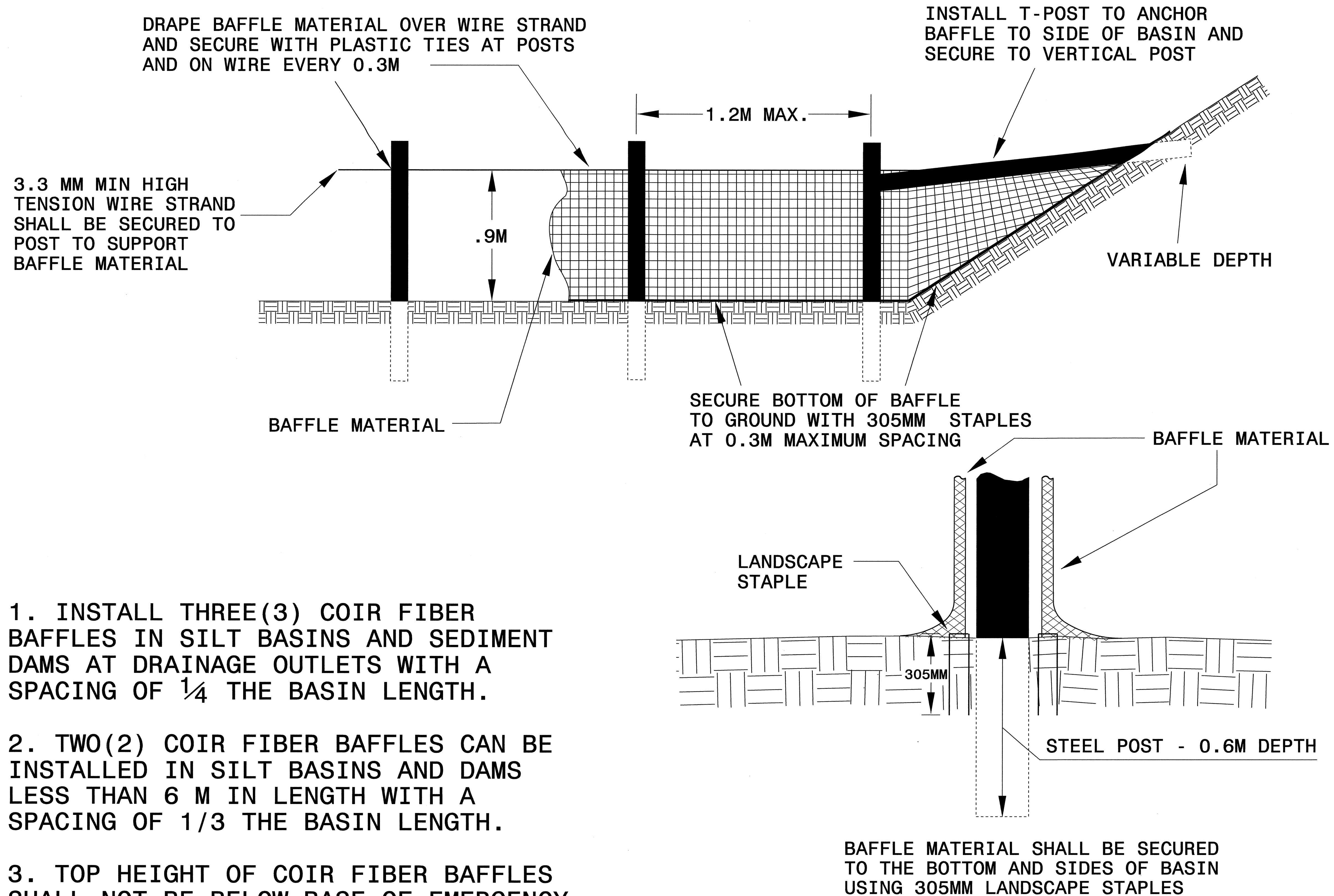
NOTE: FILTER FABRIC TO BE PLACED BENEATH STONE



# COIR FIBER BAFFLE DETAIL



|                                  |                        |
|----------------------------------|------------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-2A     |
| R/W SHEET NO.                    |                        |
| ROADWAY DESIGN<br>ENGINEER       | HYDRAULICS<br>ENGINEER |



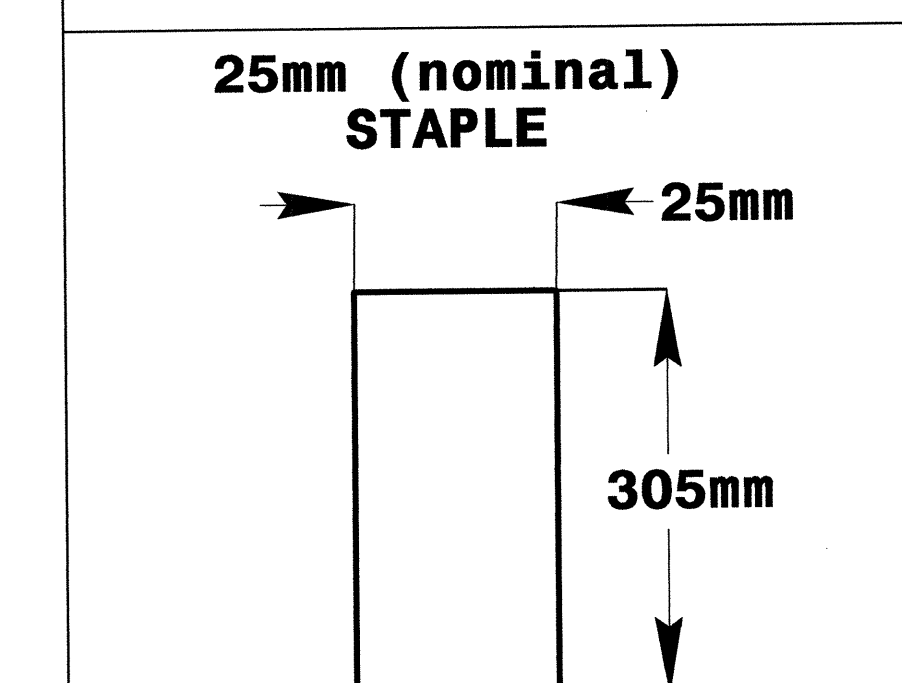
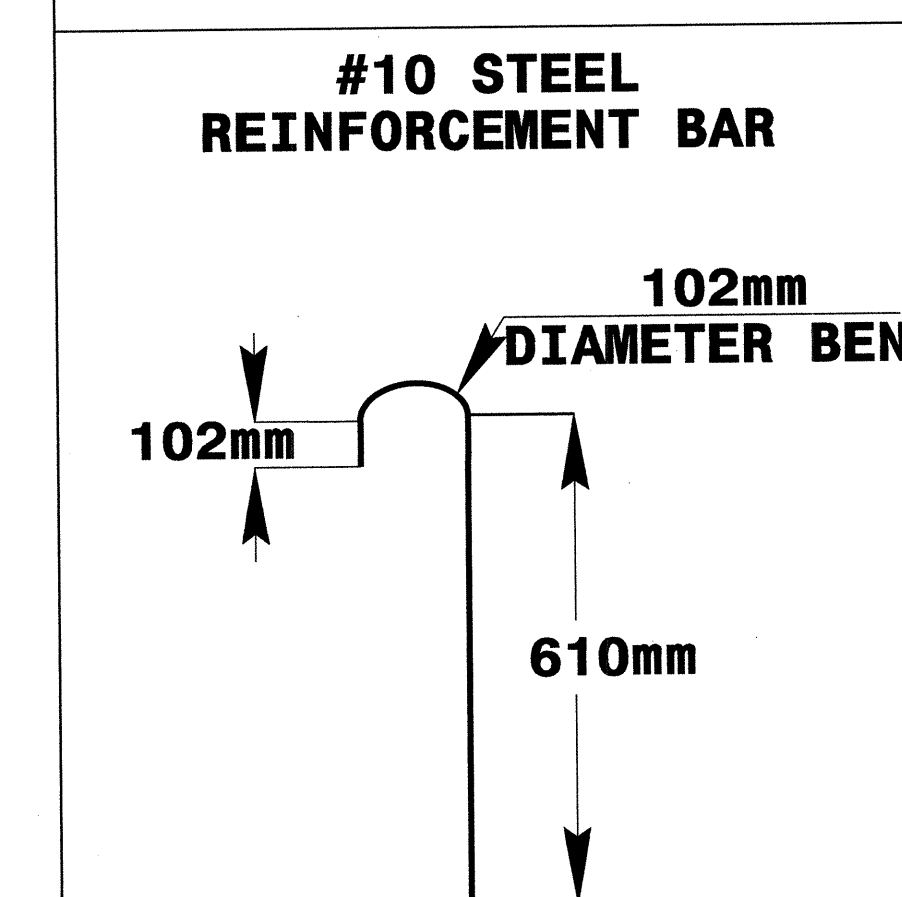
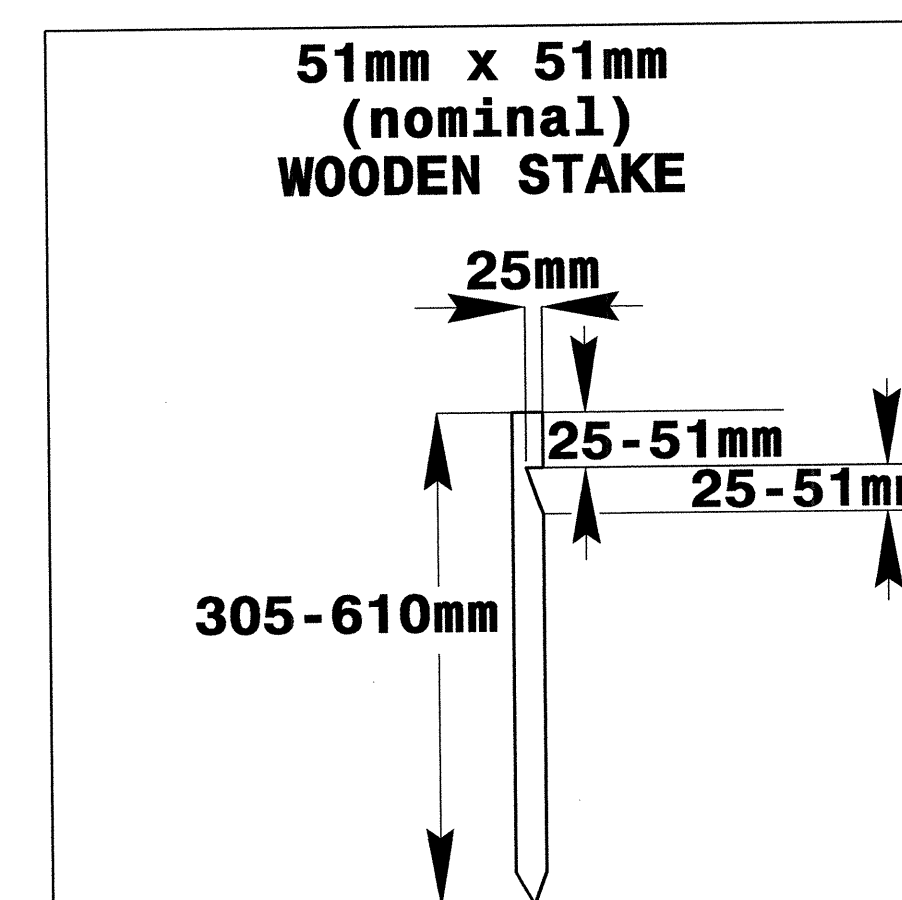
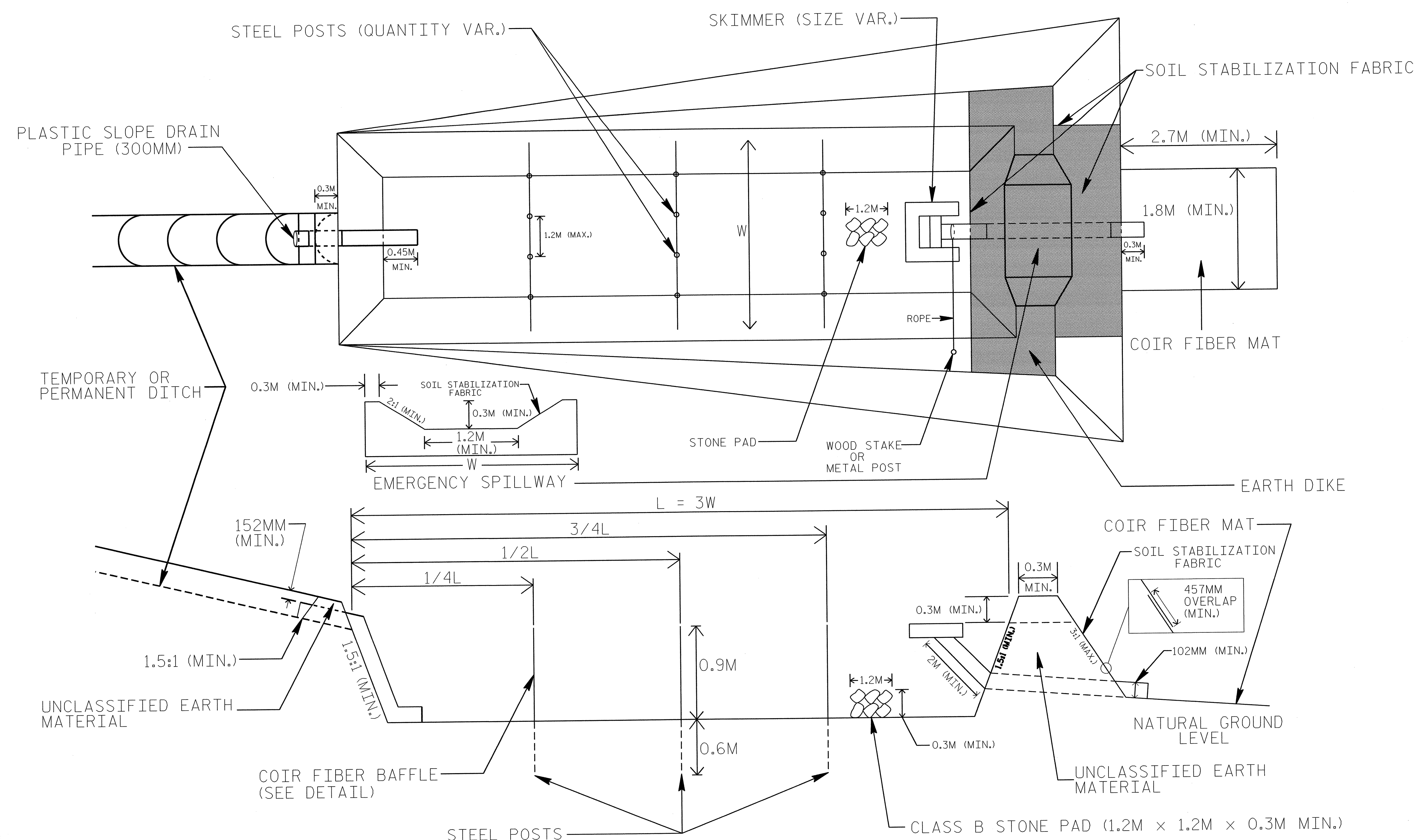
1. INSTALL THREE(3) COIR FIBER BAFFLES IN SILT BASINS AND SEDIMENT DAMS AT DRAINAGE OUTLETS WITH A SPACING OF  $\frac{1}{4}$  THE BASIN LENGTH.
2. TWO(2) COIR FIBER BAFFLES CAN BE INSTALLED IN SILT BASINS AND DAMS LESS THAN 6 M IN LENGTH WITH A SPACING OF  $\frac{1}{3}$  THE BASIN LENGTH.
3. TOP HEIGHT OF COIR FIBER BAFFLES SHALL NOT BE BELOW BASE OF EMERGENCY SPILLWAY ELEVATION.





|                                  |                        |
|----------------------------------|------------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-2B     |
| R/W SHEET NO.                    |                        |
| ROADWAY DESIGN<br>ENGINEER       | HYDRAULICS<br>ENGINEER |

# SKIMMER BASIN WITH BAFFLES DETAIL



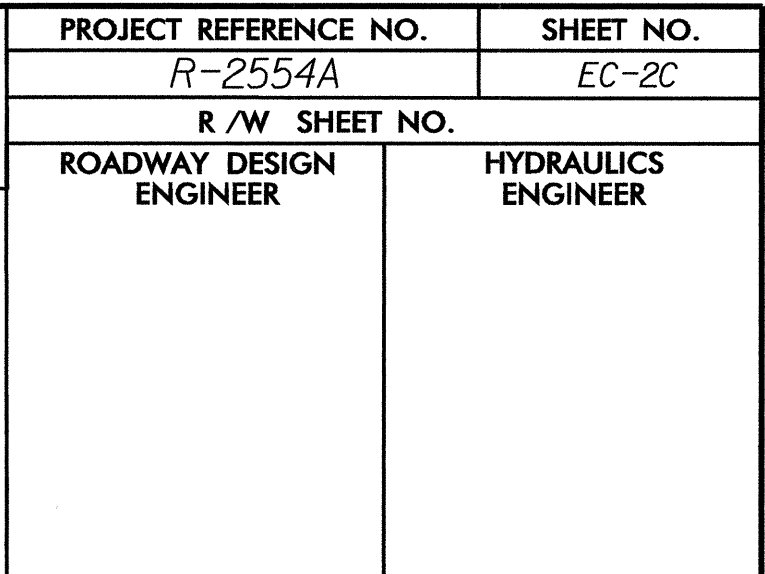
## COIR FIBER MAT ANCHOR OPTIONS

### NOTES

1. SEED AND PLACE MATTING FOR EROSION CONTROL ON INTERIOR AND EXTERIOR SIDESLOPES.
2. LIMIT EARTH DIKE HEIGHT TO 1.5M.
3. FOR BASIN DEPTH OF 1M, MINIMUM BASIN WIDTH SHALL BE 3M.
4. DETERMINE EMERGENCY SPILLWAY LENGTH (M) USING  $Q/0.074$ , WHERE Q IS FLOW RATE (CMS) INTO BASIN.
5. PLASTIC SLOPE DRAIN PIPE AT INLET OF BASIN MAY BE REPLACED BY FILTER FABRIC AS DIRECTED.
6. SOIL STABILIZATION FABRIC FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 457MM (MIN.).
7. DUE TO INCREASED WIND SPEEDS AT PROJECT LOCATION, IT MAY BE REQUIRED TO PLACE LARGE OBJECTS ON FABRIC EDGES AS DIRECTED.

NOT TO SCALE





STEEL POSTS (QUANTITY VAR.)

SKIMMER (SIZE VAR.)

SOIL STABILIZATION FABRIC

2.7M (MIN.)

1.2M (MAX.)

1.2M

1.8M (MIN.)

0.3M (MIN.)

ROPE

WOOD STAKE OR METAL POST

COIR FIBER MAT

PERMANENT DITCH

0.3M (MIN.)

SOIL STABILIZATION FABRIC

2:1 (MIN.)

0.3M (MIN.)

1.2M (MIN.)

W

EMERGENCY SPILLWAY

EARTHEN DAM

13.5M

9M

4.5M

0.3M (MIN.)

0.3M (MIN.)

0.3M (MIN.)

1.2M

2M (MIN.)

1.5M (MIN.)

3:1 (MAX.)

0.3M (MIN.)

COIR FIBER MAT

SOIL STABILIZATION FABRIC

457MM (MIN.) OVERLAP

102MM (MIN.)

NATURAL GROUND LEVEL

UNCLASSIFIED EARTH MATERIAL

COIR FIBER BAFFLE (SEE DETAIL)

0.9M

0.6M

BOTTOM OF DITCH

STEEL POSTS

CLASS B STONE PAD (1.2M x 1.2M x 0.3M MIN.)

NOT TO SCALE

1. LIMIT EARTHEN DAM HEIGHT TO 1.5M.
2. DETERMINE EMERGENCY SPILLWAY LENGTH (M) USING  $Q/0.074$ , WHERE Q IS FLOW RATE (CMS) INTO BASIN.
3. SOIL STABILIZATION FABRIC FOR EMERGENCY SPILLWAY SHALL BE ONE CONTINUOUS PIECE OF MATERIAL OR OVERLAPPED 457MM (MIN.).
4. DUE TO INCREASED WIND SPEEDS AT PROJECT LOCATION, IT MAY BE REQUIRED TO PLACE LARGE OBJECTS ON FABRIC EDGES AS DIRECTED.





PROJECT REFERENCE NO.

R-2554A

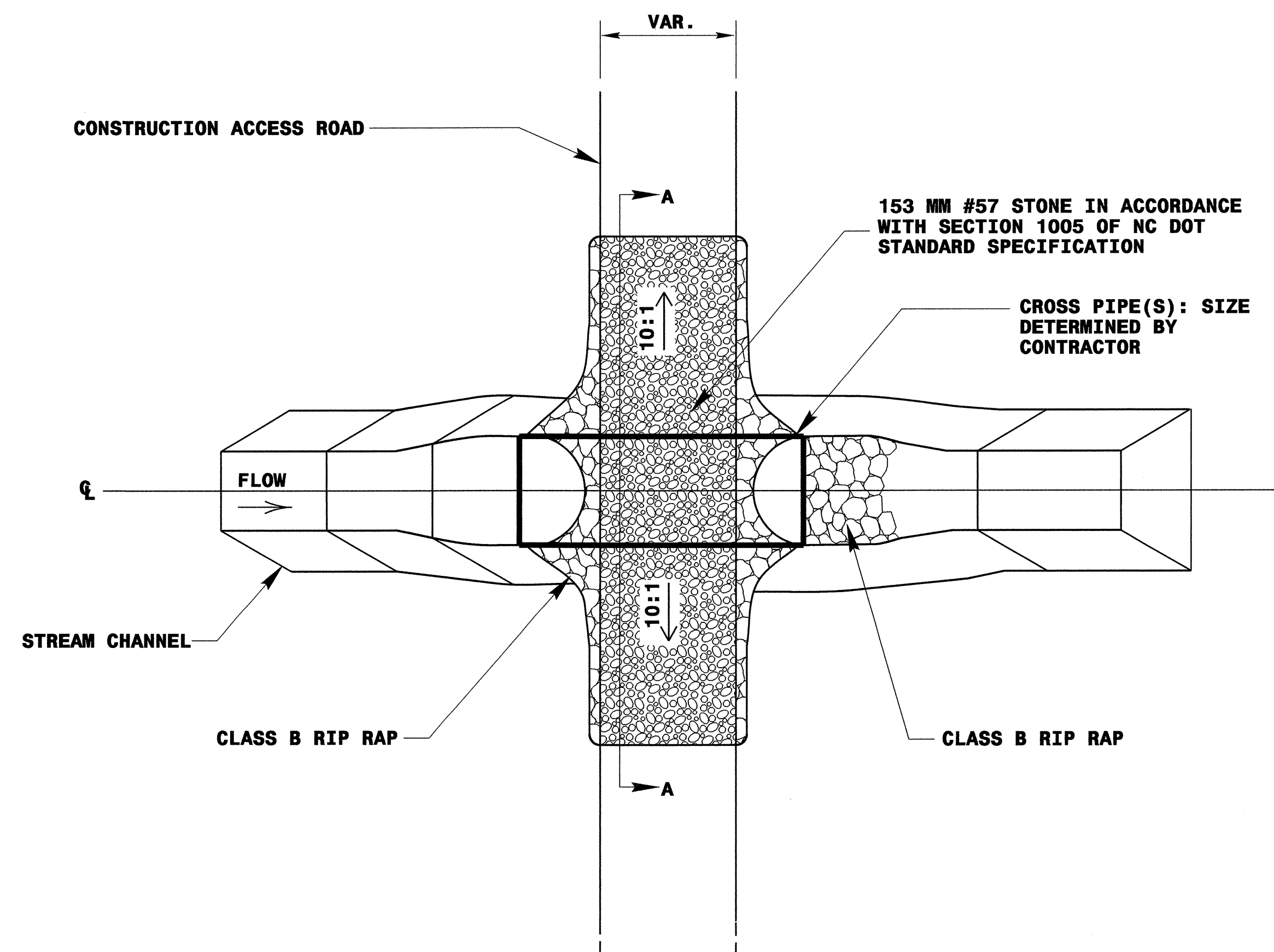
SHEET NO.

EC-2D

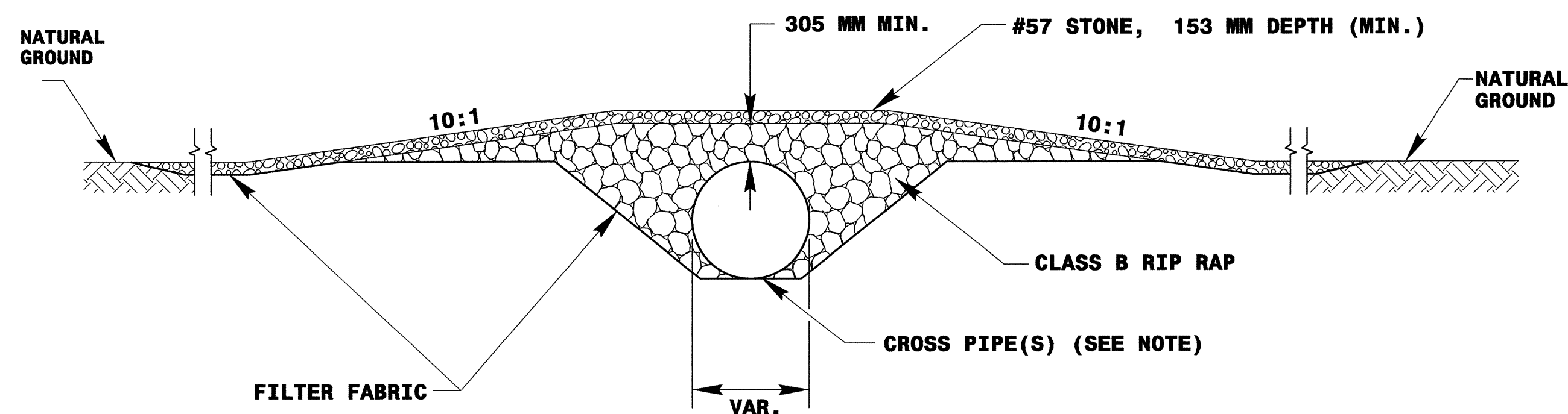
R / W SHEET NO.

ROADWAY DESIGN  
ENGINEERHYDRAULICS  
ENGINEER

# TEMPORARY STREAM CROSSING



PLAN VIEW



SECTION A-A

NOT TO SCALE

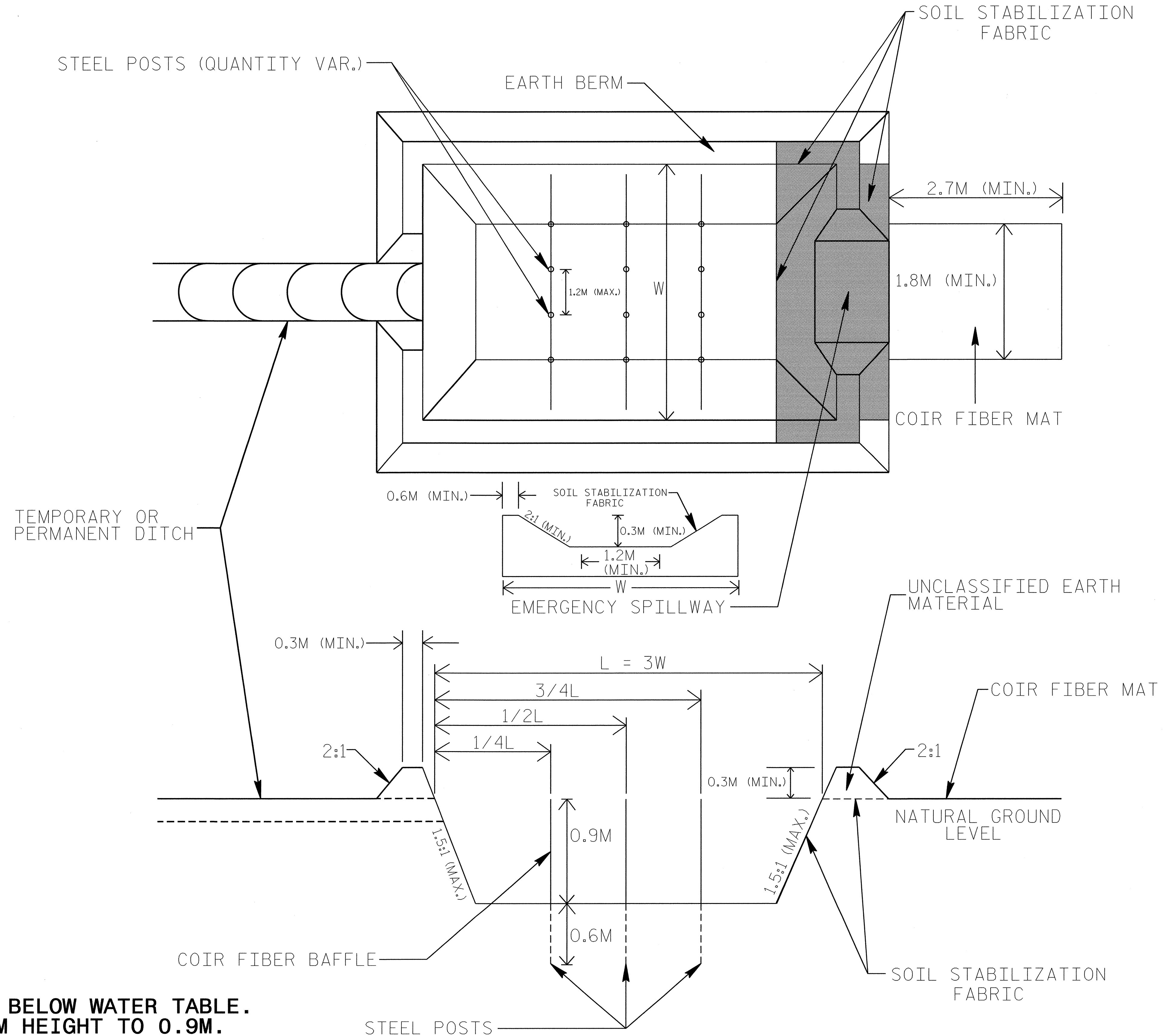
**NOTE: PIPE(S) FOR TEMPORARY STREAM CROSSING SHALL BE DESIGNED TO PASS THE PEAK OR BANKFULL FLOW, WHICHEVER IS LESS, FROM A 2-YEAR PEAK STORM, WITHOUT OVER TOPPING.**



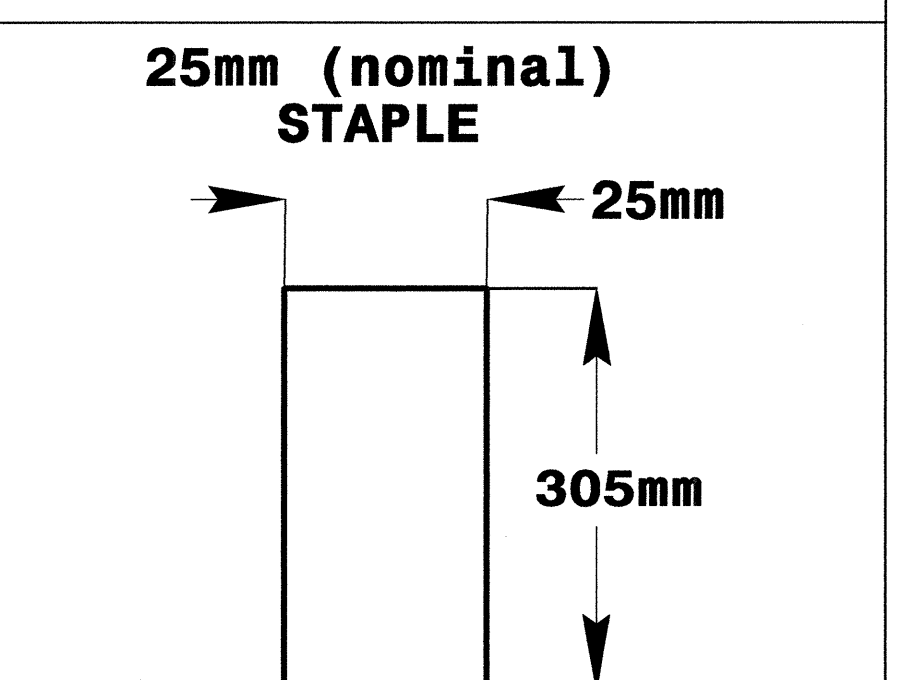
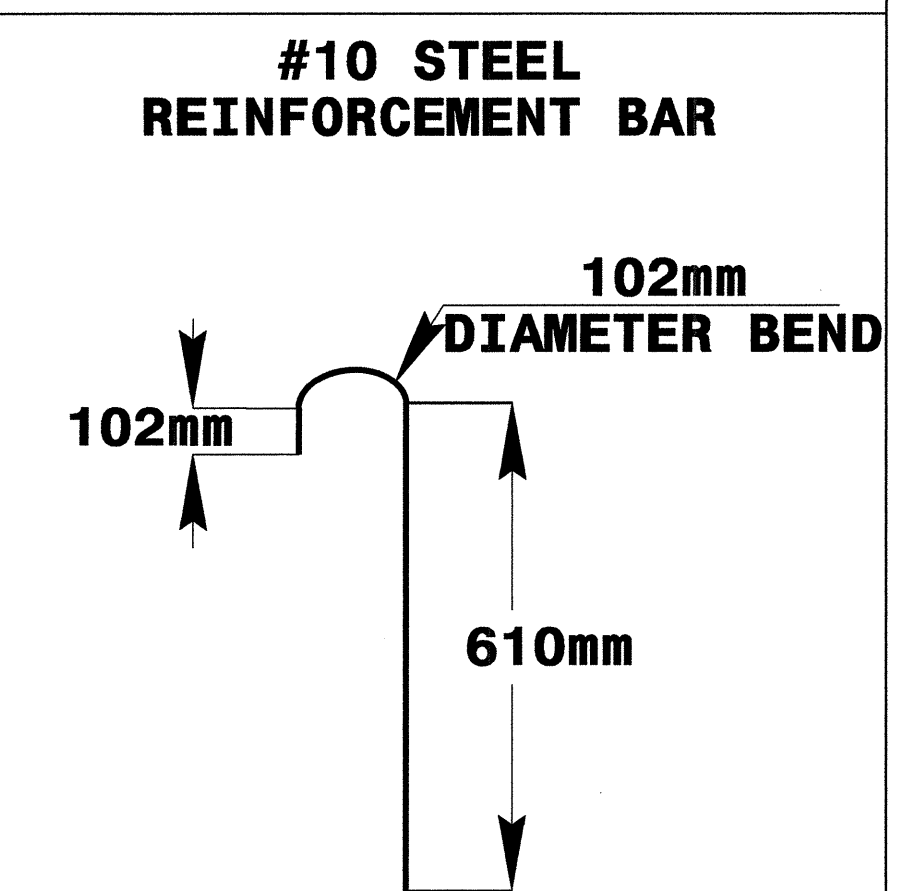
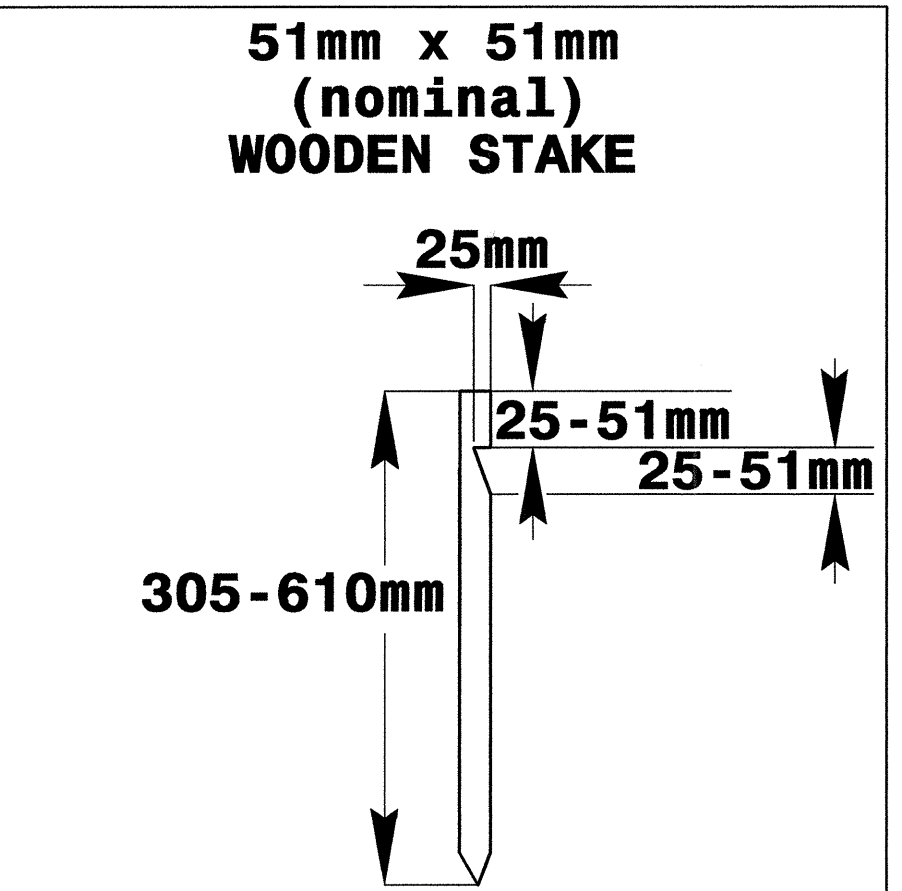
# INFILTRATION BASIN WITH BAFFLES DETAIL



|                                  |                     |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-2E  |
| R/W SHEET NO.                    |                     |
| ROADWAY DESIGN ENGINEER          | HYDRAULICS ENGINEER |



NOT TO SCALE



COIR FIBER MAT ANCHOR OPTIONS

## NOTES

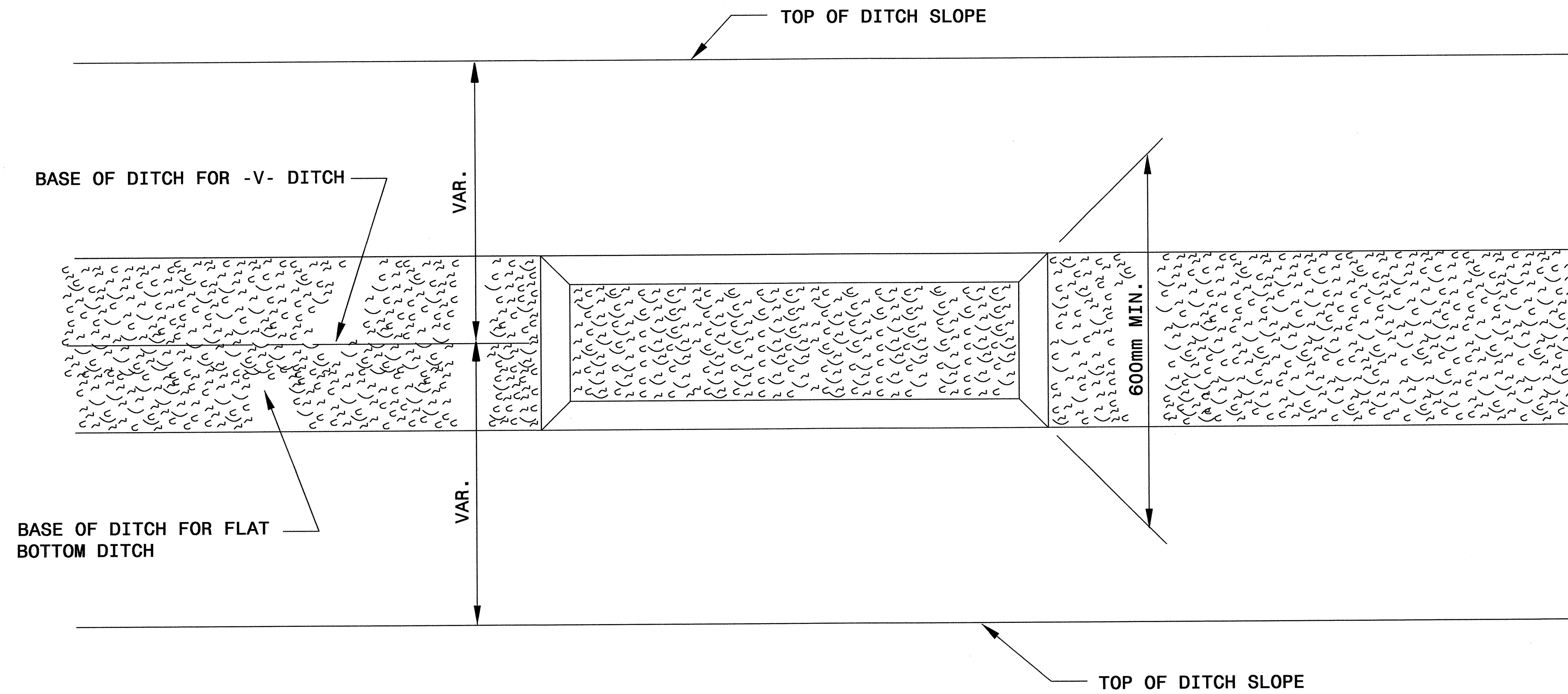
1. DO NOT EXCAVATE BELOW WATER TABLE.
2. LIMIT EARTH BERM HEIGHT TO 0.9M.
3. AVOID COMPACTING BOTTOM OF BASIN.
4. FOR BASIN DEPTH OF 1M, MINIMUM BASIN WIDTH SHALL BE 3M.
5. DETERMINE EMERGENCY SPILLWAY LENGTH (M) USING  $Q/0.074$ , WHERE Q IS FLOW RATE (CMS) INTO BASIN.
6. DUE TO INCREASED WIND SPEEDS AT PROJECT LOCATION, IT MAY BE REQUIRED TO PLACE LARGE OBJECTS ON FABRIC EDGES AS DIRECTED.



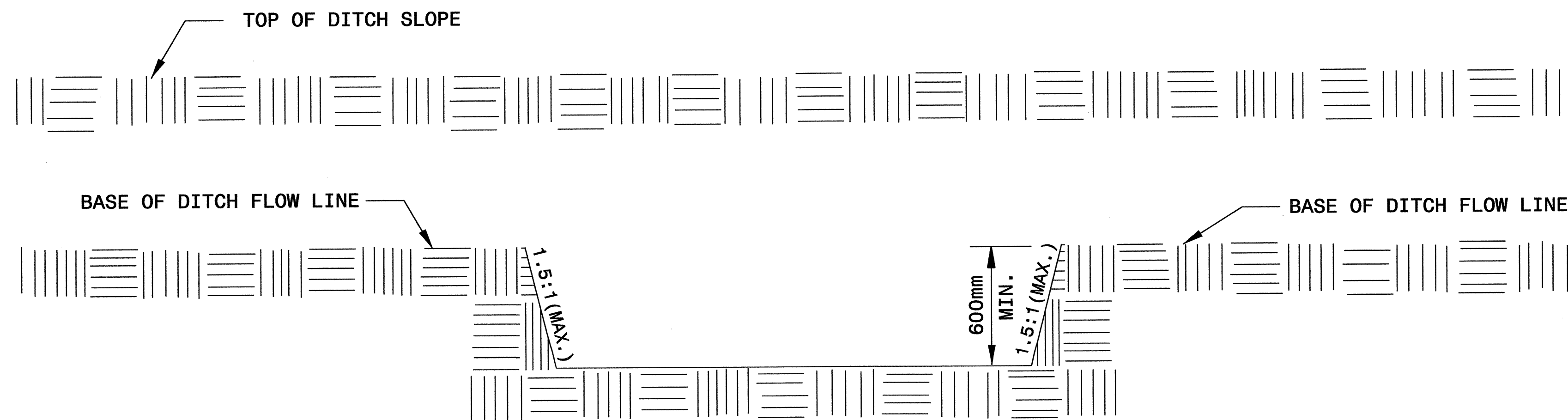


|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-2F               |
| R / W SHEET NO.         |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# SILT BASIN 'B' DETAIL



PLAN



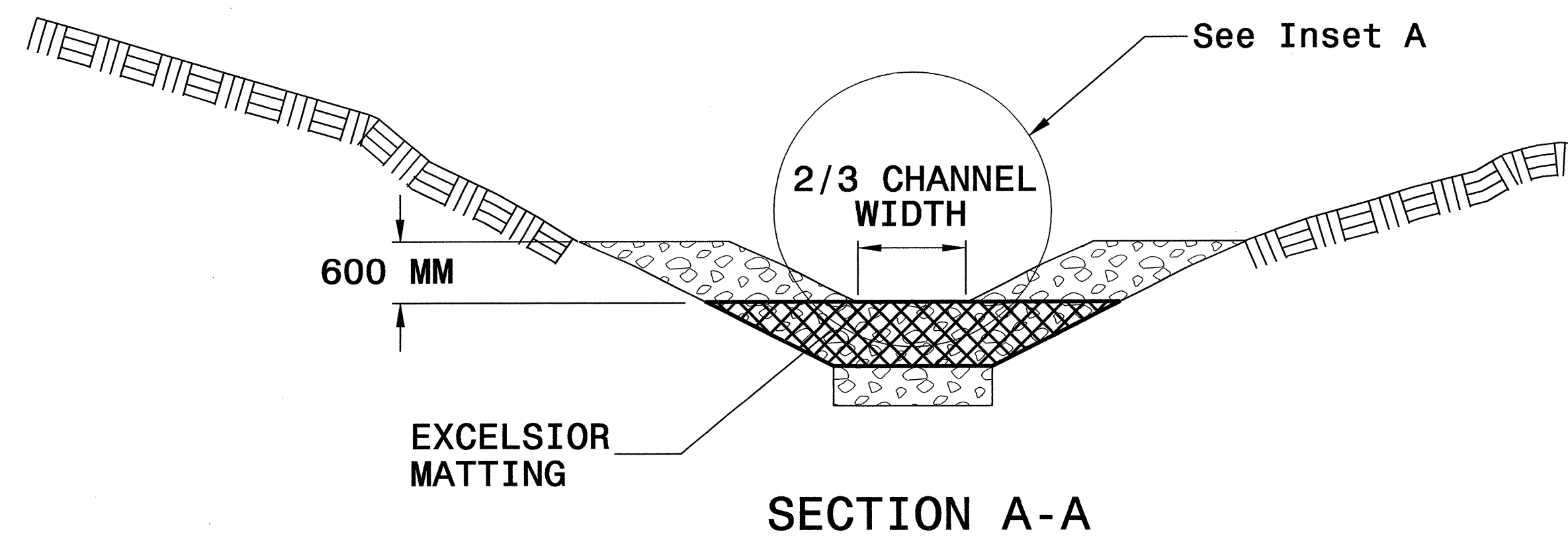
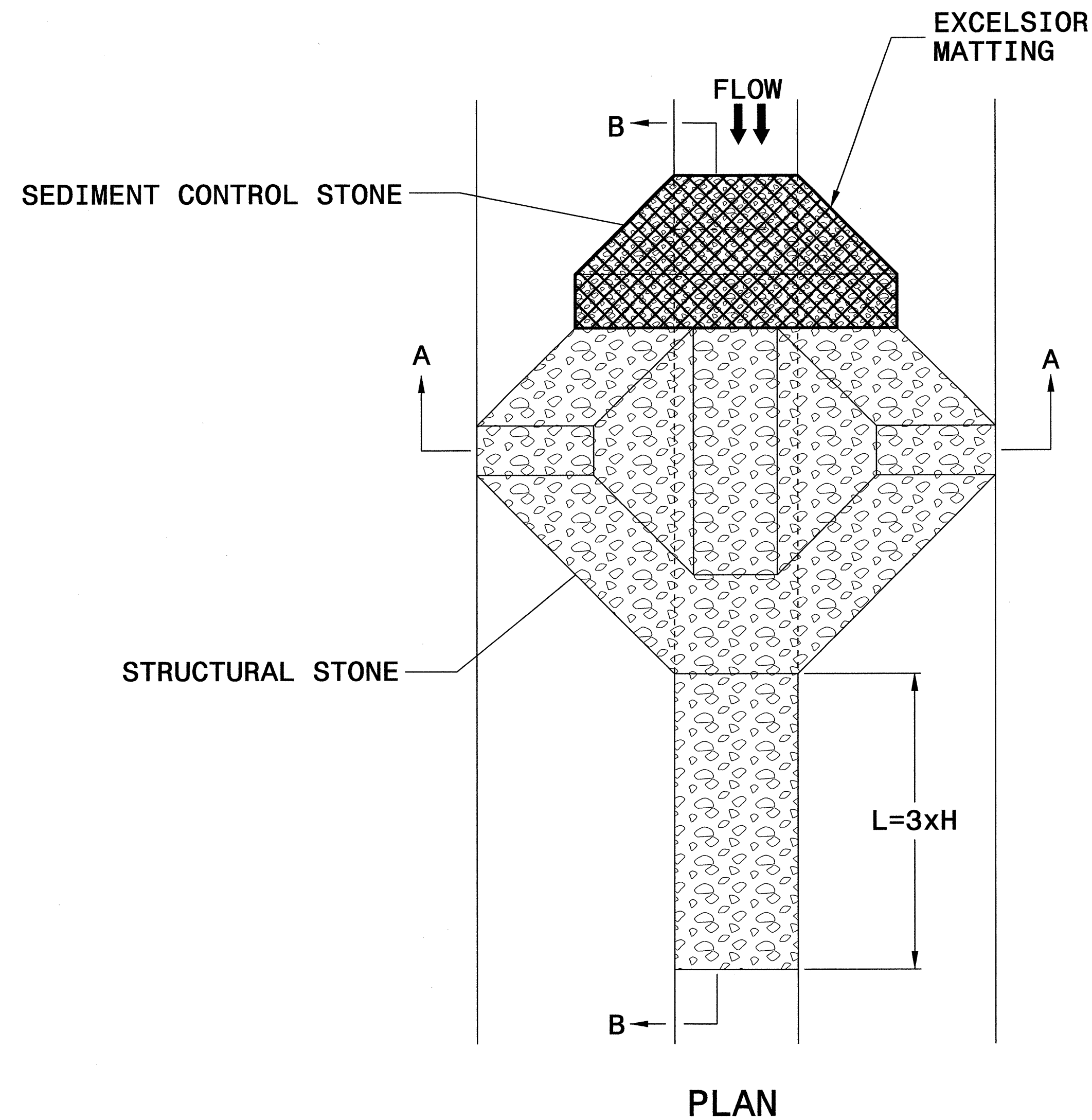
ELEVATION



# TEMPORARY ROCK SILT CHECK TYPE 'A' WITH EXCELSIOR MATTING AND POLYACRYLAMIDE (PAM)



|                                  |                     |
|----------------------------------|---------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-26  |
| R/W SHEET NO.                    |                     |
| ROADWAY DESIGN ENGINEER          | HYDRAULICS ENGINEER |

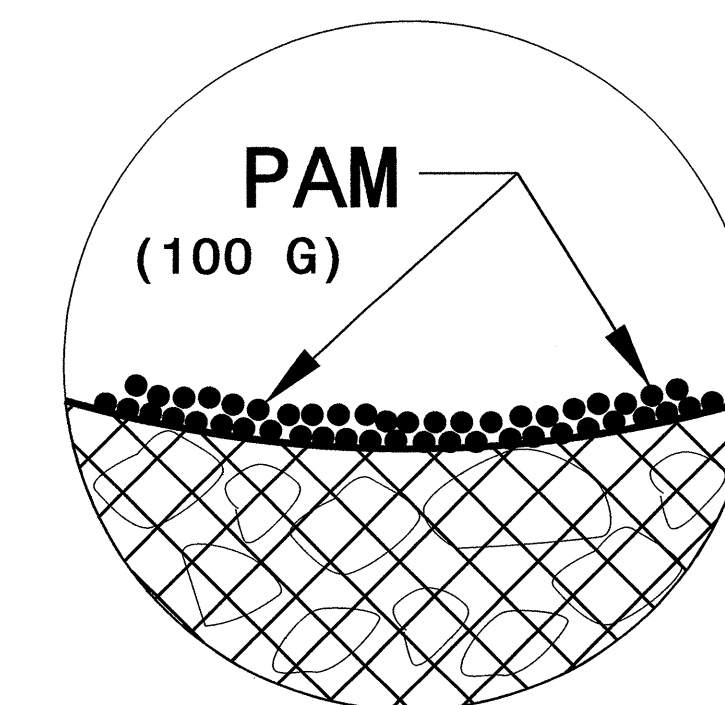


## NOTES

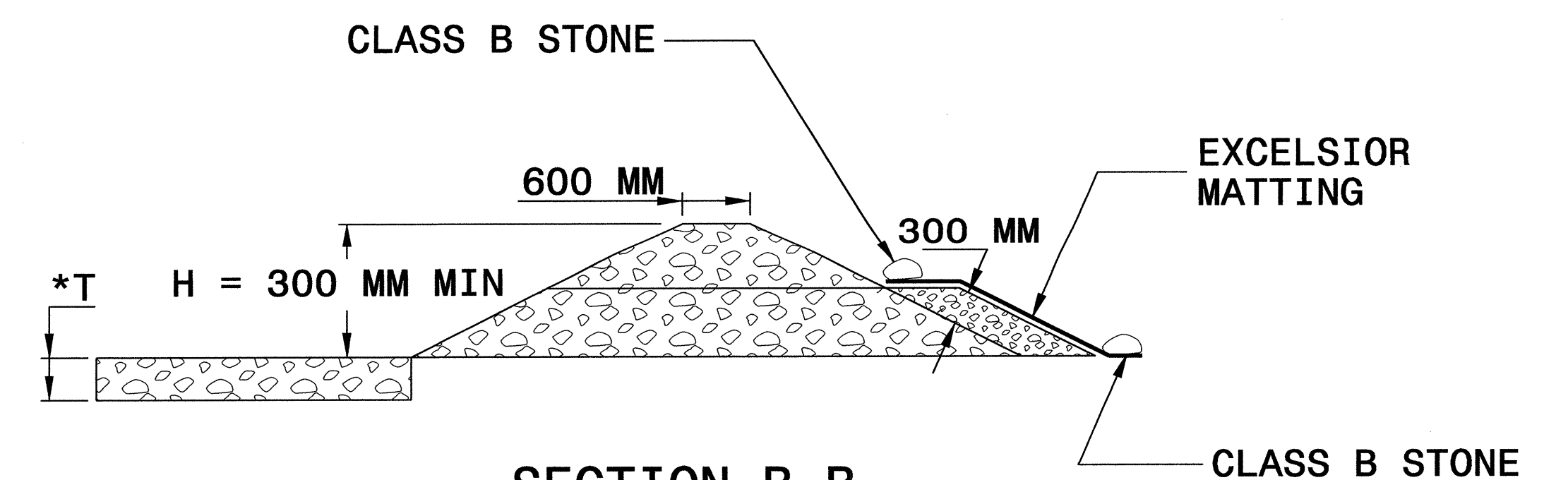
USE EXCELSIOR FOR MATTING MATERIAL AND ANCHOR MATTING SECTION AT TOP AND BOTTOM WITH CLASS B STONE.

PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH ROCK SILT CHECK.

INITIALLY APPLY 100 GRAMS OF POLYACRYLAMIDE (PAM) TO TOP OF MATTING SECTION AND AFTER EVERY RAINFALL EVENT THAT EQUALS OR EXCEEDS 12 MM.



INSET A



\*T = 300 MM MIN., 450 MM MAX.

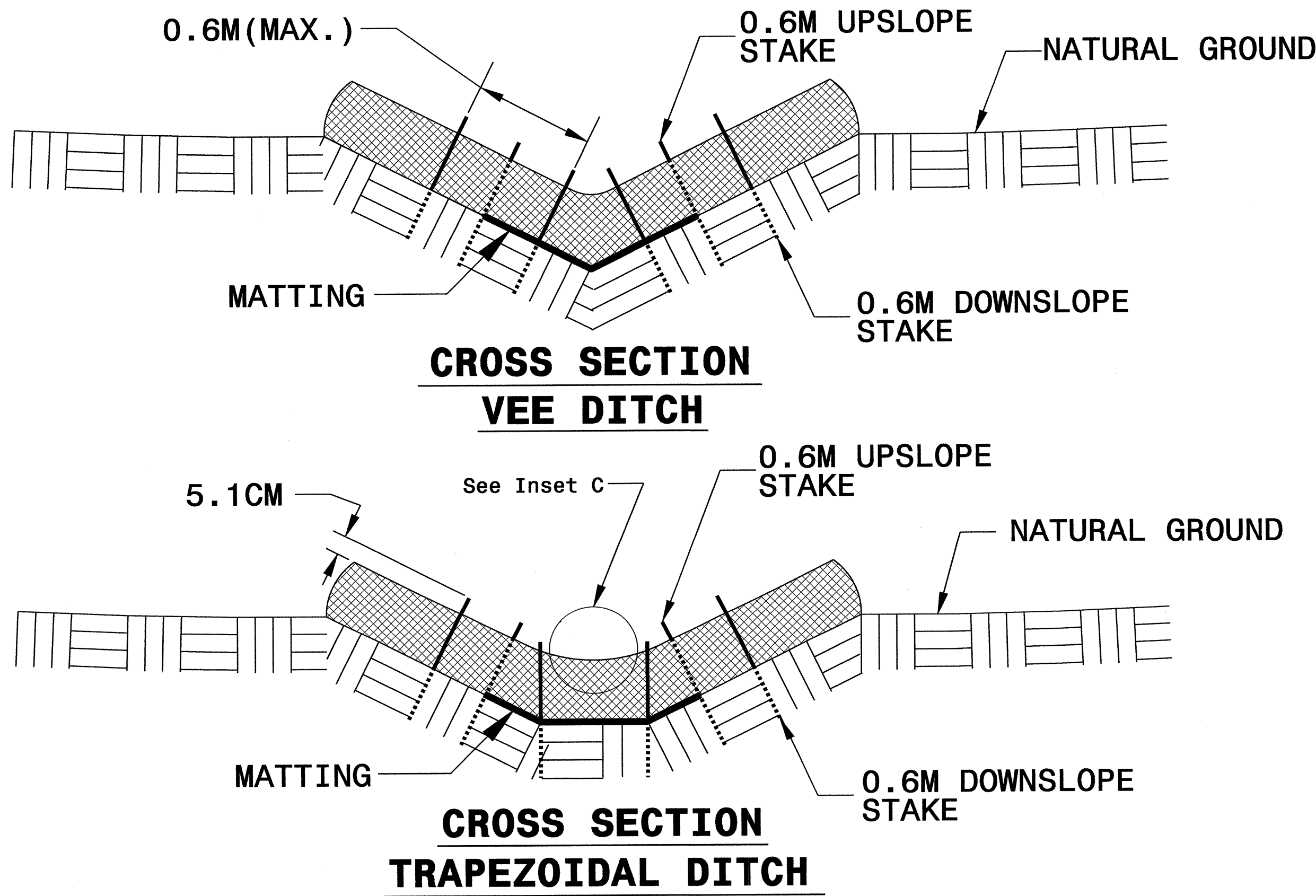
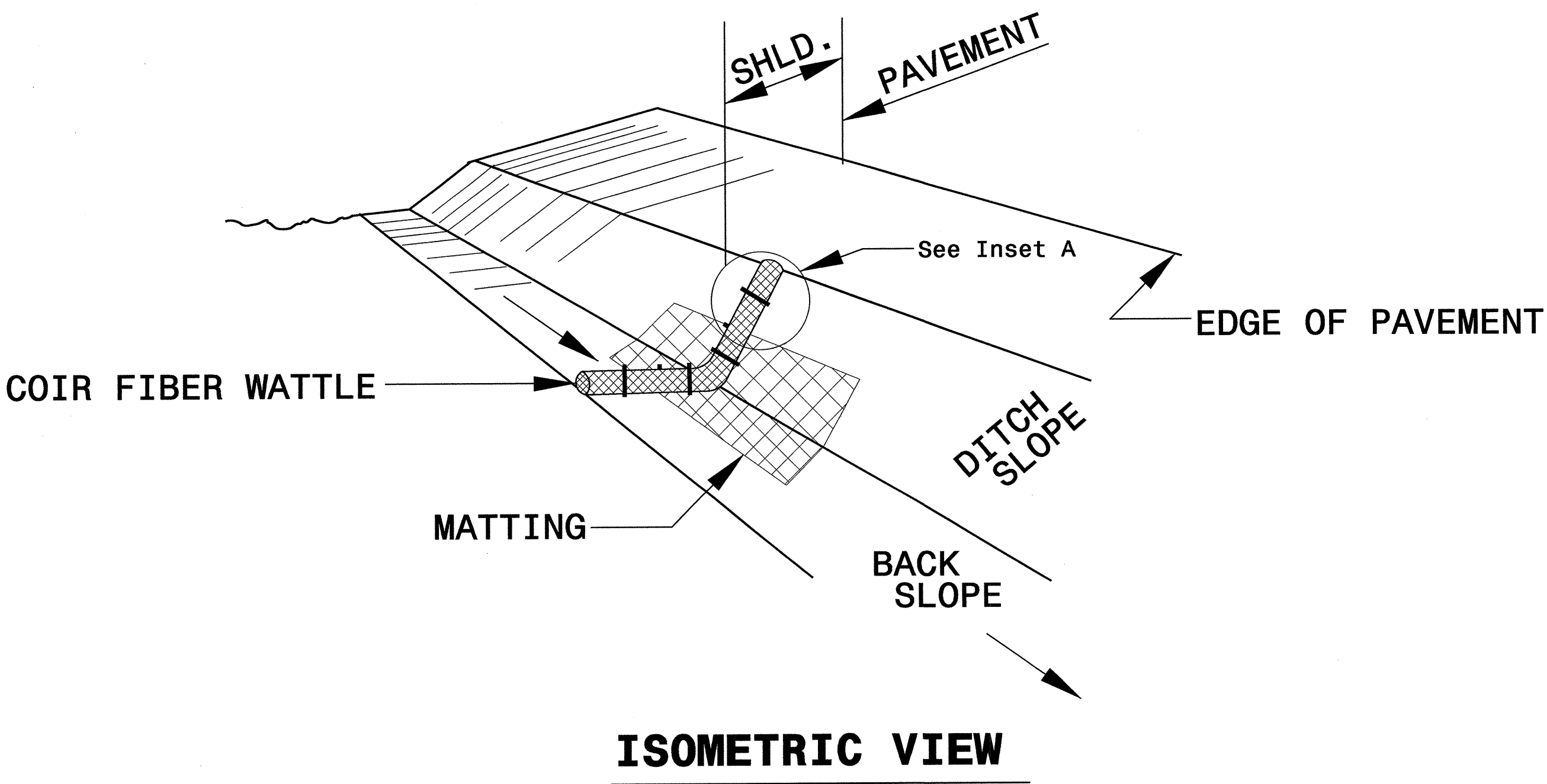
NOT TO SCALE



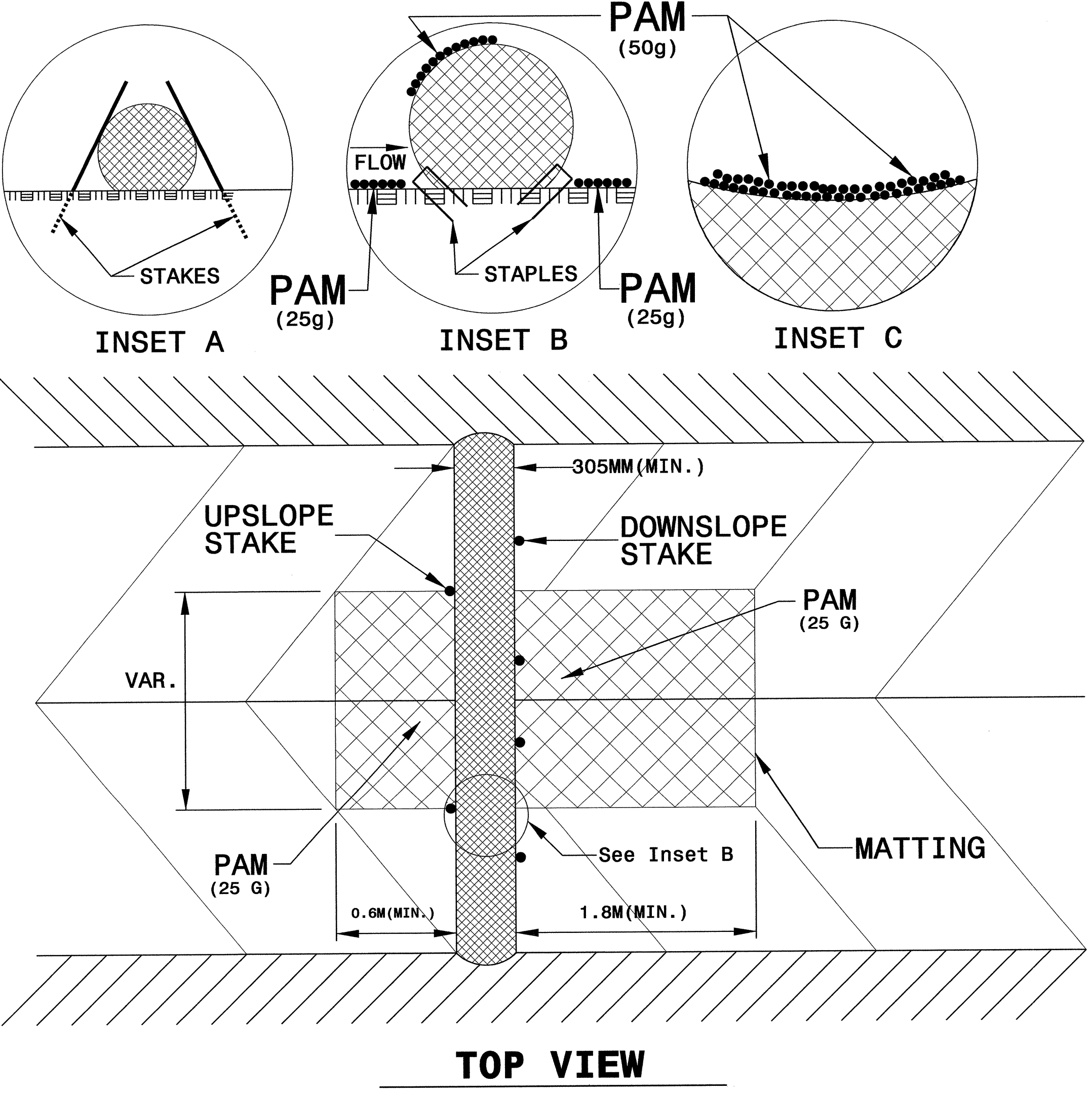
# COIR FIBER WATTLE WITH POLYACRYLAMIDE (PAM) DETAIL



|                            |  |                        |  |
|----------------------------|--|------------------------|--|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |  |
| R-2554A                    |  | EC-2H                  |  |
| R /W SHEET NO.             |  |                        |  |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |  |



- NOTES:
- USE MINIMUM 305 MM DIAMETER COIR FIBER (COCONUT FIBER) WATTLE.
  - USE 0.6 M WOODEN STAKES WITH A 5.1 CM BY 5.1 CM NOMINAL CROSS SECTION.
  - ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.
  - INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.
  - PROVIDE STAPLES MADE OF 3 MM DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 305 MM IN LENGTH.
  - INSTALL STAPLES APPROXIMATELY EVERY 0.3 LINEAR METER ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.
  - INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.
  - PRIOR TO POLYACRYLAMIDE (PAM) APPLICATION, OBTAIN A SOIL SAMPLE FROM PROJECT LOCATION, AND FROM OFFSITE MATERIAL, AND ANALYZE FOR APPROPRIATE PAM FLOCCULANT TO BE APPLIED TO EACH WATTLE.
  - INITIALLY APPLY 50 GRAMS OF ANIONIC OR NEUTRALLY CHARGED PAM OVER WATTLE WHERE WATER WILL FLOW AND 25 GRAMS ON MATTING ON EACH SIDE OF WATTLE. REAPPLY PAM AFTER EVERY RAINFALL EVENT THAT IS EQUAL TO OR EXCEEDS 12 MM.







PROJECT REFERENCE NO.

R-2554A

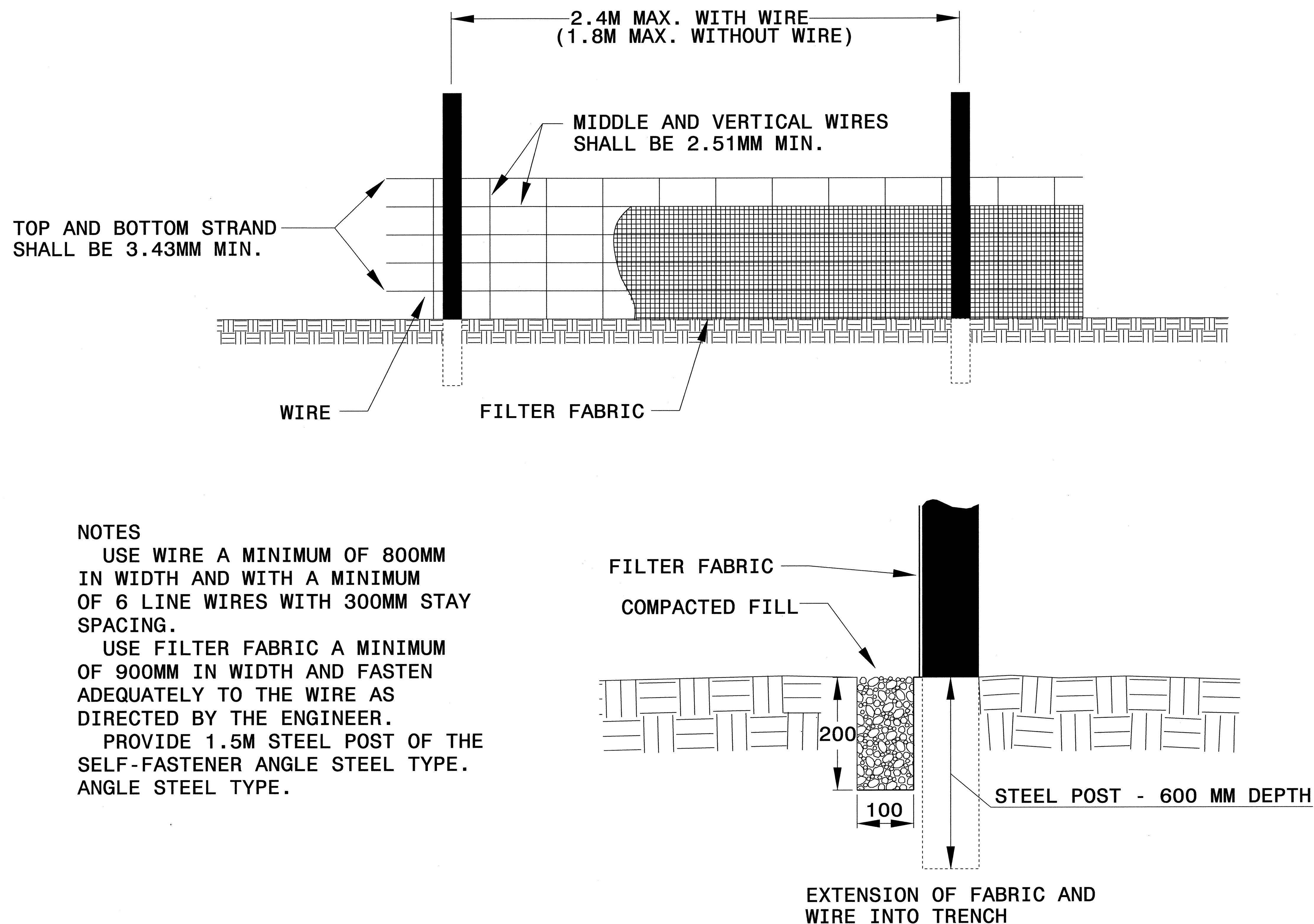
SHEET NO.

EC-21

R/W SHEET NO.

ROADWAY DESIGN  
ENGINEERHYDRAULICS  
ENGINEER

# TEMPORARY SILT FENCE DETAIL







|                                  |                        |
|----------------------------------|------------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-2J     |
| R/W SHEET NO.                    |                        |
| ROADWAY DESIGN<br>ENGINEER       | HYDRAULICS<br>ENGINEER |

# SPECIAL SEDIMENT CONTROL FENCE DETAIL

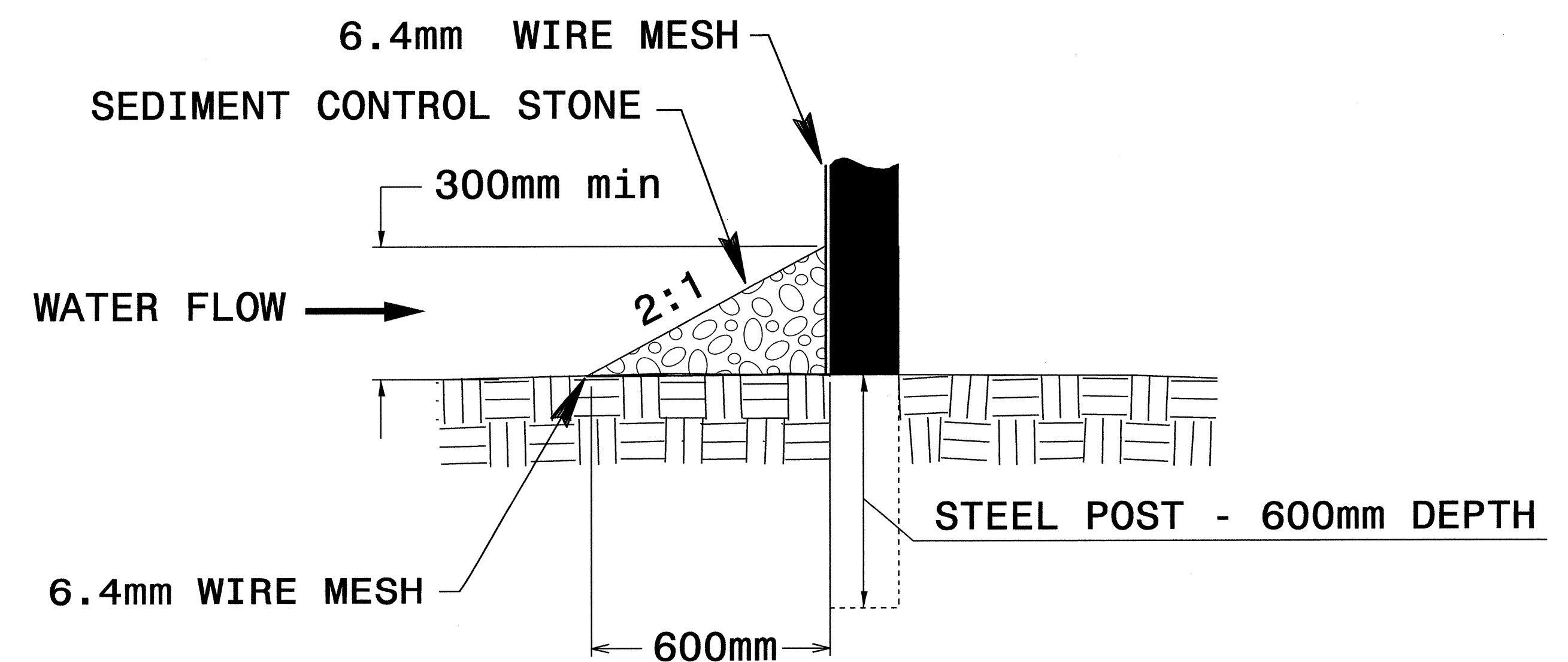
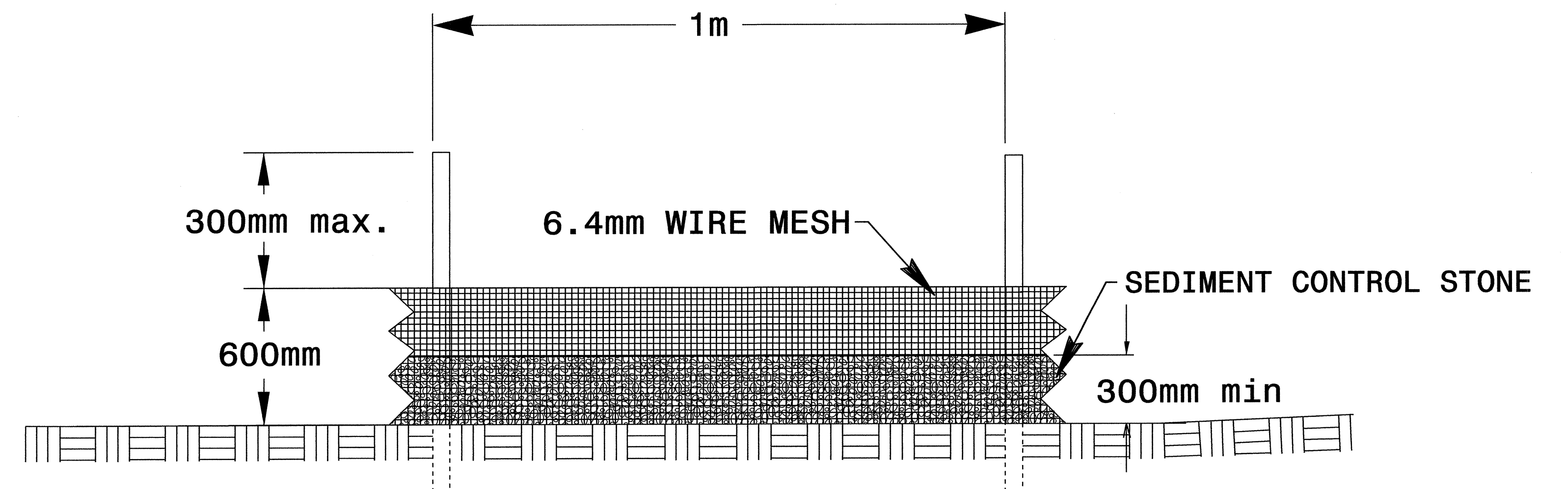
## GENERAL NOTES:

USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.

USE 0.65mm HARDWARE CLOTH WIRE MESH WITH 6.4 mm MESH OPENINGS.

INSTALL 1.5m SELF FASTENER ANGLE STEEL POST 600mm DEEP MINIMUM.

SPACE POST A MAXIMUM OF 1m.







| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-2K               |
| R / W SHEET NO.         |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# STILLING BASIN

GENERAL NOTES:  
CONSTRUCT THE COIR FIBER BAFFLES  
WITH A MATERIAL THAT MEETS THE SPECIFICATIONS  
OF THE COIR FIBER MAT SPECIAL PROVISION  
PROVIDED IN THE CONTRACT.

PROVIDE 1.5M STEEL POSTS OF THE SELF-FASTENER  
ANGLE STEEL TYPE. INSTALL STEEL POSTS  
WITH NO MORE THAN 0.9M OF THE POST  
APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE  
STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE  
MEANS AND STAPLED INTO THE BOTTOM AND SIDE  
SLOPES OF THE STILLING BASIN WITH 12" STAPLES.

INSTALL THE TOP OF THE COIR FIBER BAFFLE A  
MINIMUM OF 300MM LOWER THAN THE TOP OF THE  
STILLING BASIN BERMS.

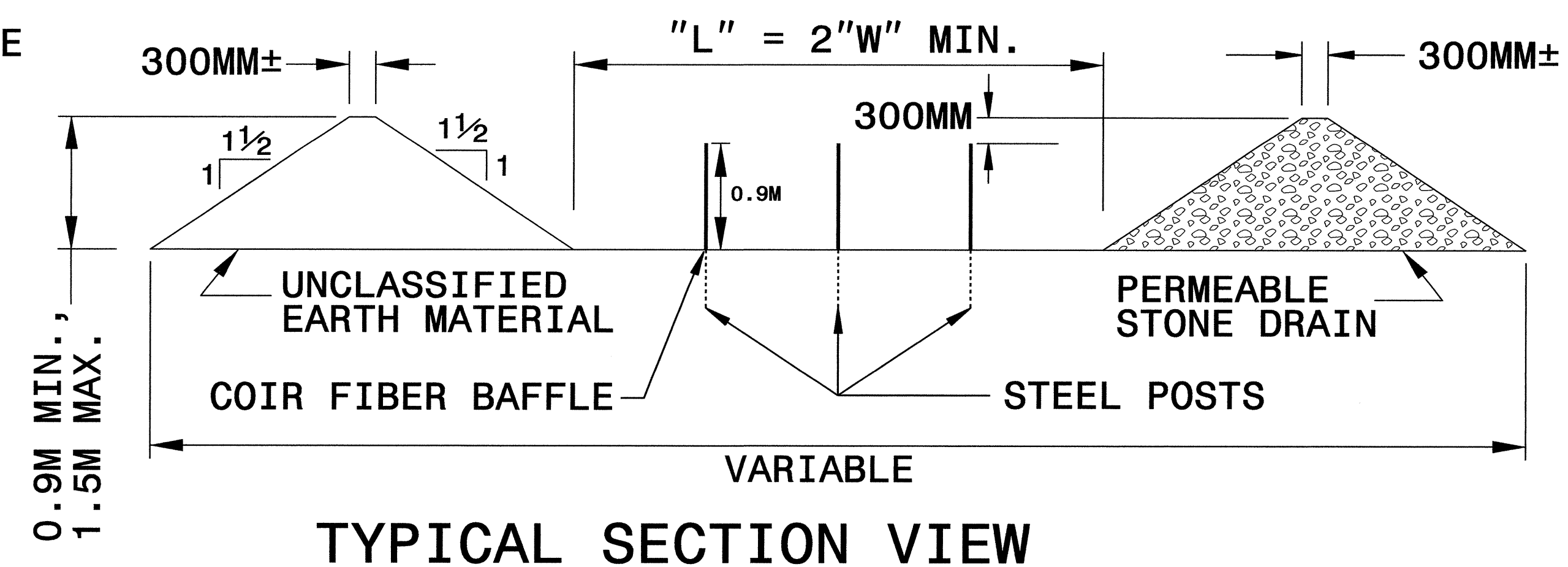
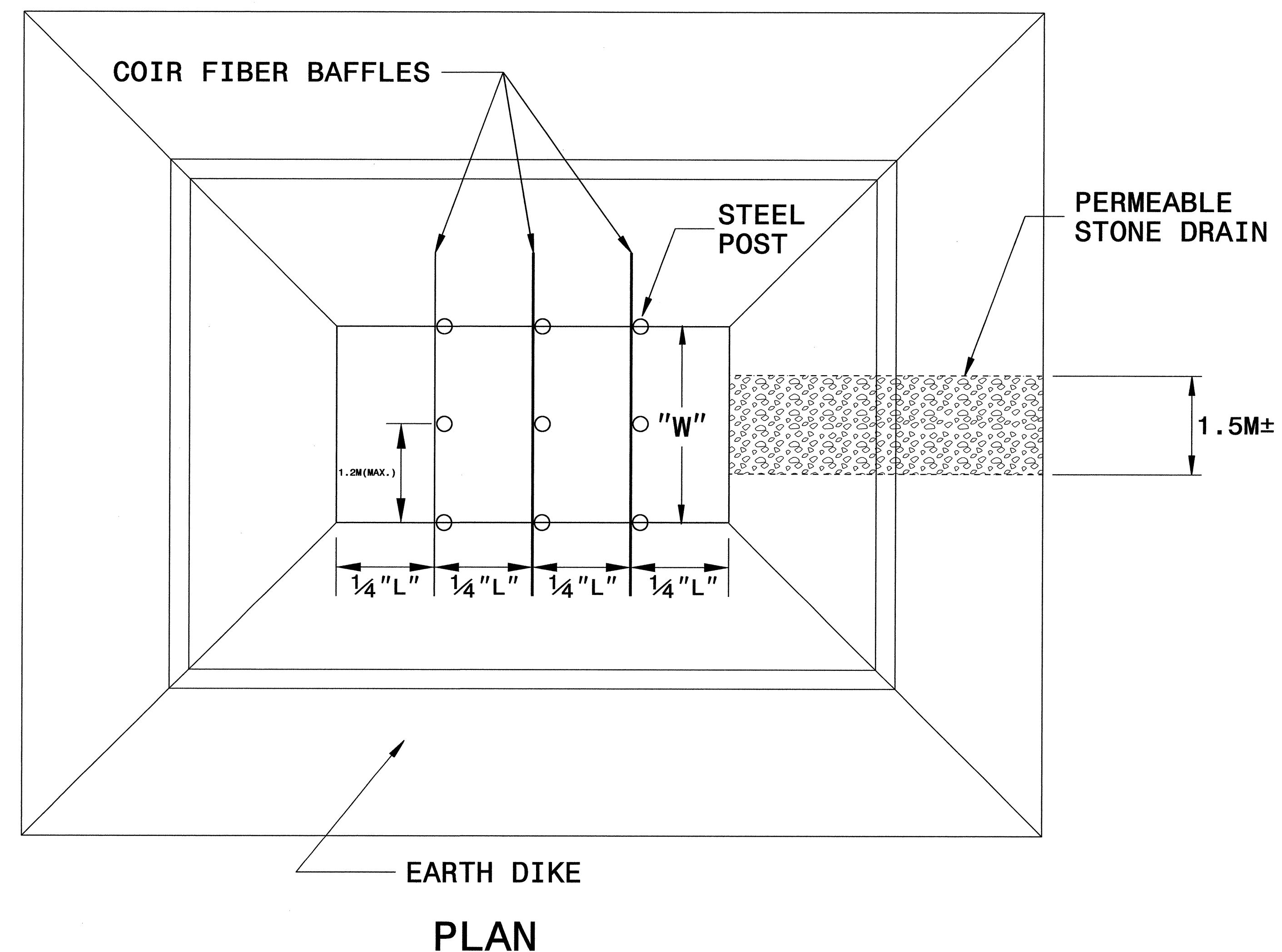
USE THE TYPICAL SECTION SHOWN FOR THE  
STILLING BASIN AS A GUIDE. THE BASIN MAY  
HAVE ANY TYPE CONFIGURATION AS LONG AS  
SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS  
ARE MADE FOR A PERMEABLE STONE DRAIN.

DO NOT EXCEED 1.5M IN HEIGHT FOR THE EARTH  
DIKES REQUIRED FOR STILLING BASINS.  
ADDITIONAL DEPTHS MAY BE ATTAINED BY  
EXCAVATING BELOW THE NATURAL GROUND LEVEL.

THE STILLING BASIN SIZE IS VARIABLE AND  
DEPENDENT ON SPECIFIC SITE REQUIREMENTS  
AS WELL AS PROPOSED CONSTRUCTION  
OPERATIONS.

SUBMIT THE SIZE, LOCATION AND PERMEABLE STONE  
DRAIN MATERIAL FOR APPROVAL PRIOR TO  
CONSTRUCTION.

PUMP THE EFFLUENT INTO THE STILLING BASIN TO  
A MAXIMUM DEPTH OF 0.9 METERS.

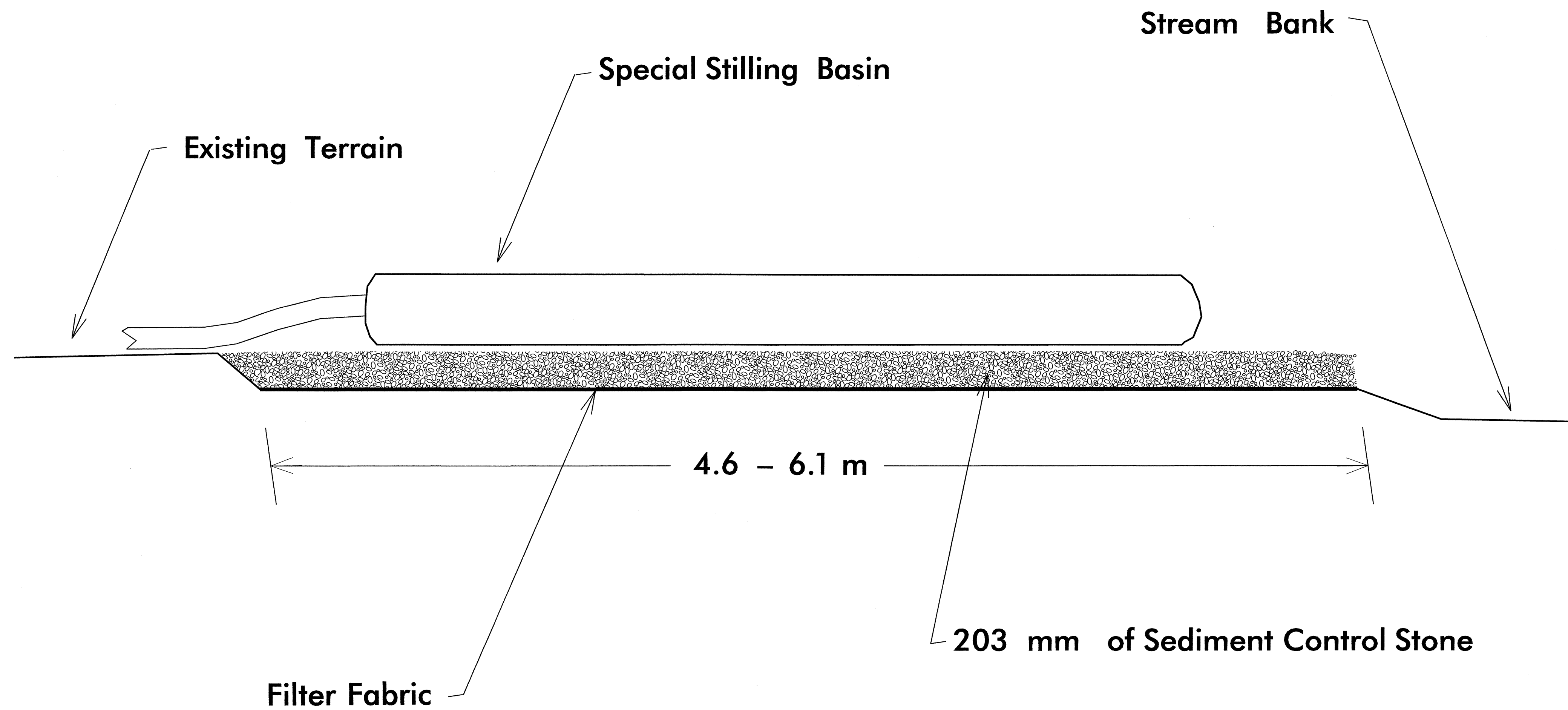






|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-2L               |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# SPECIAL STILLING BASIN WITH ROCK PAD



Not To Scale

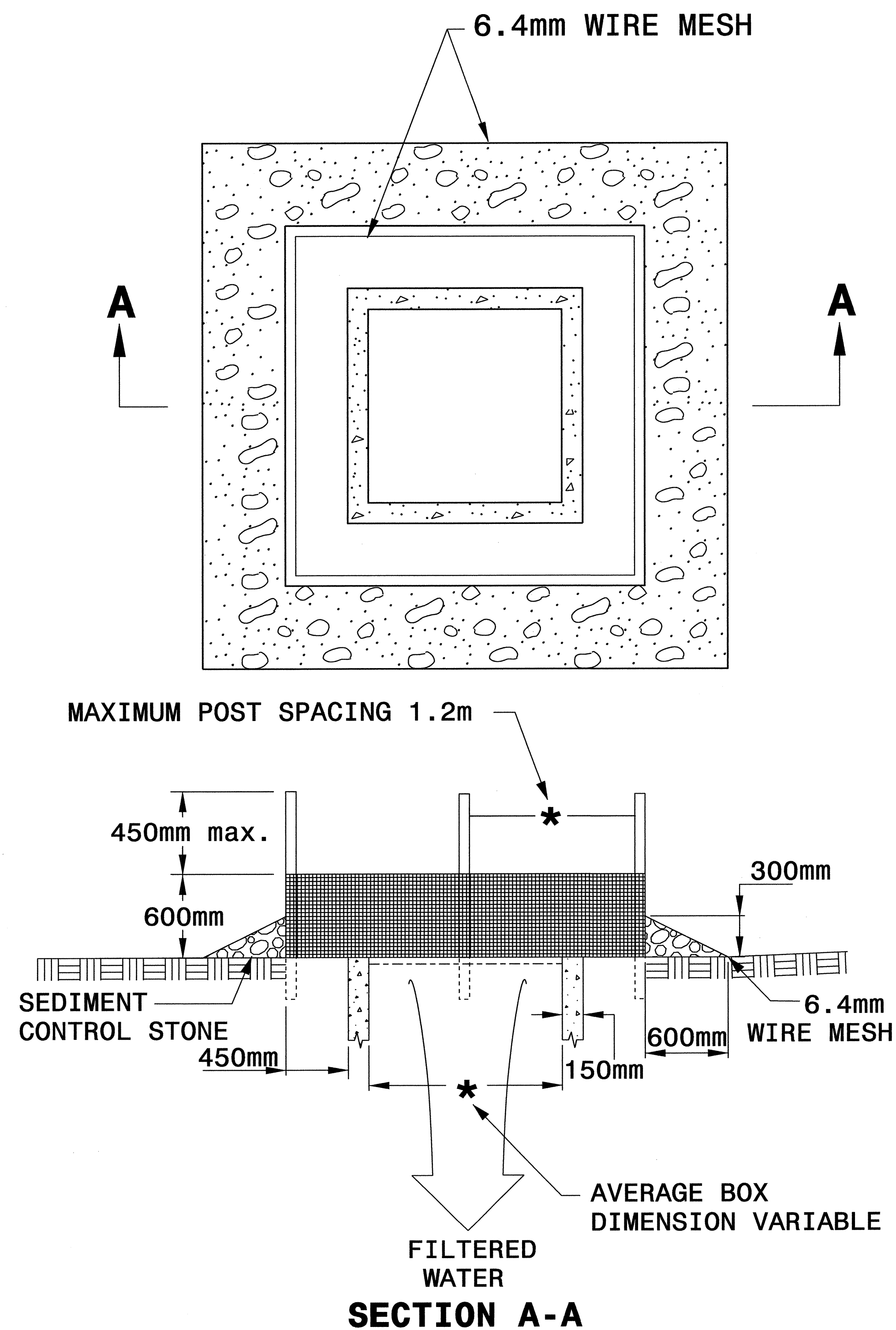
Note: Provide Stabilized Outlet to Streambank





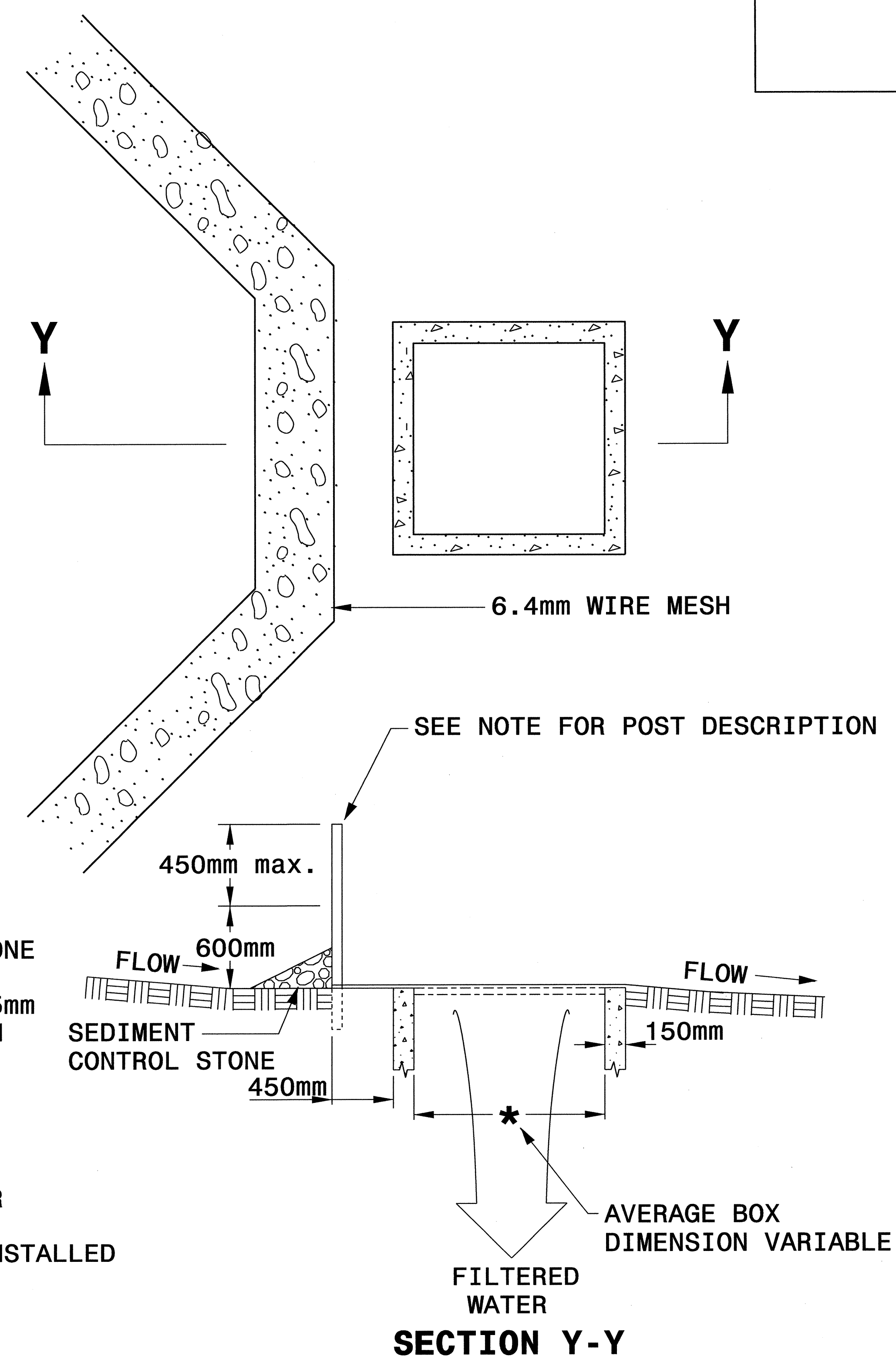
|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-2M               |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# ROCK INLET SEDIMENT TRAP TYPE 'C' DETAIL



**MULTI-DIRECTIONAL FLOW**

NOTE  
USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL.  
USE HARDWARE CLOTH 0.65mm WIRE MESH WITH 6.4mm MESH OPENINGS.  
PLACE TOP OF WIRE MESH A MINIMUM OF 300mm BELOW THE SHOULDER OR ANY DIVERSION POINT.  
INSTALL WIRE MESH UNDER SEDIMENT CONTROL STONE.  
USE 1.5m STEEL POST, INSTALLED 450mm DEEP MINIMUM, AND OF THE SELF-FASTENER ANGLE STEEL TYPE.  
SPACE POST A MAXIMUM OF 1.2m.



**SINGLE-DIRECTIONAL FLOW**



# BORROW PIT DEWATERING BASIN DETAIL



|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-2N               |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

## GENERAL NOTES:

DETERMINE BORROW PIT DEWATERING BASIN SIZE USING  $V = 8.0203 * Q * T$ , WHERE V IS VOLUME (FT<sup>3</sup>), Q IS PUMP FLOW RATE (GPM), AND T IS DEWATERING TIME (HR). USE MAXIMUM FLOW RATE OF 1000 GPM AND A MINIMUM DEWATERING TIME OF 2 HOURS.

RISER SHALL BE A NON-PERFORATED, SMOOTH OR CORRUGATED MATERIAL WITH A FLASHBOARD OPTION.

CONSTRUCT THE COIR FIBER BAFFLE WITH A MATERIAL THAT MEETS THE SPECIFICATIONS OF THE COIR FIBER MAT SPECIAL PROVISION PROVIDED IN THE CONTRACT.

PROVIDE 1.5M STEEL POSTS OF THE SELF-FASTENER ANGLE STEEL TYPE. INSTALL STEEL POSTS WITH NO MORE THAN 0.9M OF THE POST APPEARING ABOVE THE GROUND.

ATTACH THE COIR FIBER MAT TO THE STEEL POSTS WITH WIRE OR OTHER ACCEPTABLE MEANS AND STAPLED INTO THE BOTTOM AND SIDE SLOPES OF THE BASIN WITH 300mm STAPLES.

INSTALL TYPE 2 FILTER FABRIC ON SIDESLOPES AND BOTTOM OF BASIN AT INLET AS SHOWN IN THE DETAIL.

USE THE TYPICAL SECTION SHOWN FOR THE BORROW PIT DEWATERING BASIN AS A GUIDE. THE BASIN MAY HAVE ANY TYPE CONFIGURATION AS LONG AS SUFFICIENT VOLUME IS PROVIDED AND PROVISIONS ARE MADE FOR A NON-PERFORATED RISER.

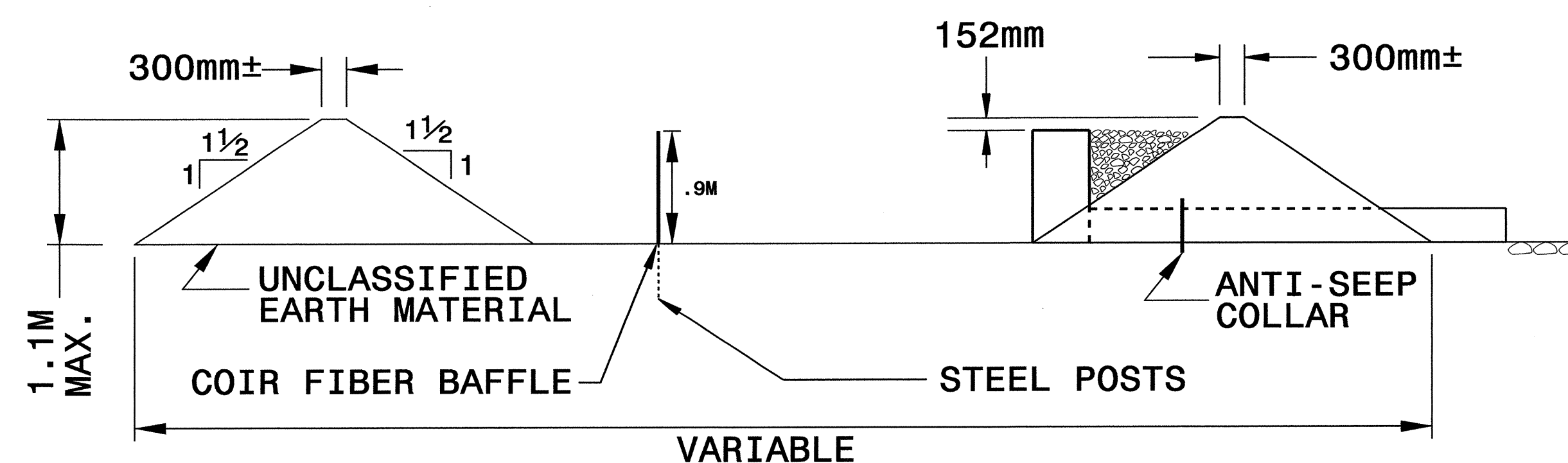
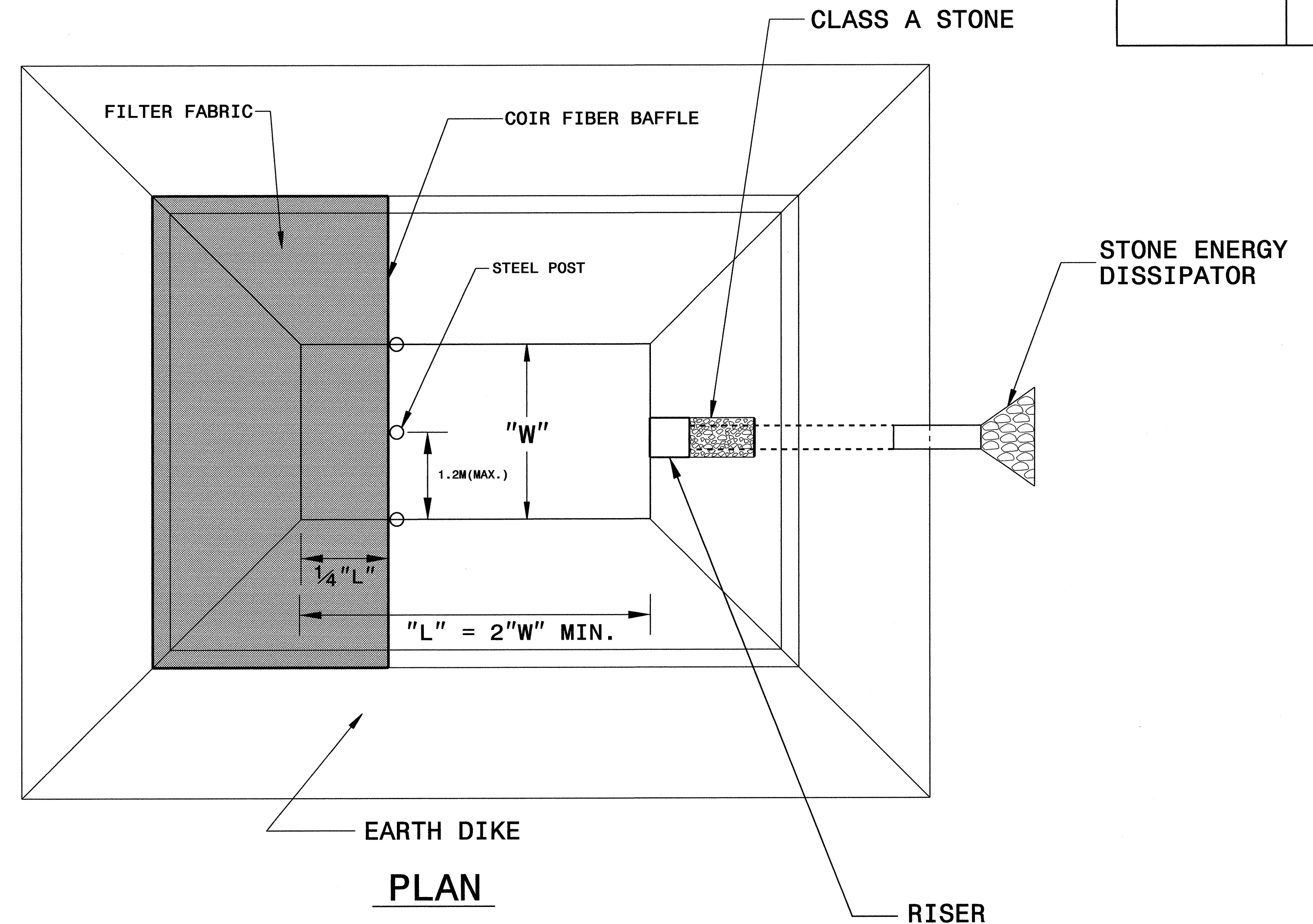
DO NOT EXCEED 1.1M IN HEIGHT FOR THE EARTH DIKES REQUIRED FOR BORROW PIT DEWATERING BASIN.

THE BORROW PIT DEWATERING BASIN SIZE IS VARIABLE AND DEPENDENT ON SPECIFIC SITE REQUIREMENTS AS WELL AS PROPOSED CONSTRUCTION OPERATIONS.

SUBMIT THE SIZE, LOCATION AND RISER PIPE MATERIAL FOR APPROVAL PRIOR TO CONSTRUCTION.

PUMP THE EFFLUENT INTO THE BORROW PIT DEWATERING BASIN TO A MAXIMUM DEPTH OF 152mm BELOW TOP OF EARTH DIKE.

PROVIDE A STONE ENERGY DISSIPATOR PAD AT THE OUTLET OF THE PUMP DISCHARGE HOSE AND OUTLET OF THE RISER BARREL IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 876.02 FOR OUTLET W/O DITCH.



TYPICAL SECTION VIEW

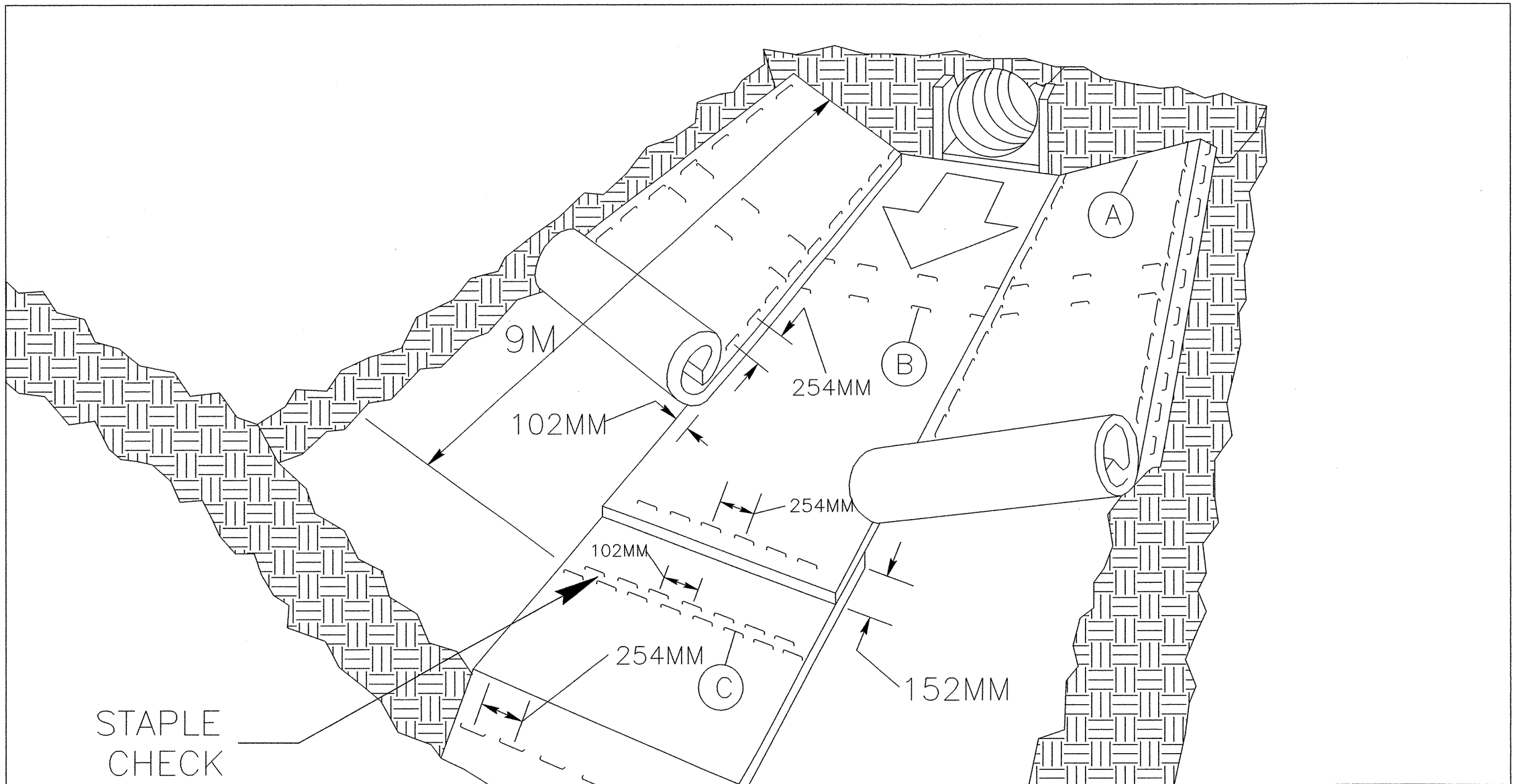
NOT TO SCALE





|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-20               |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# MATTING INSTALLATION DETAIL



**MATTING IN DITCHES**

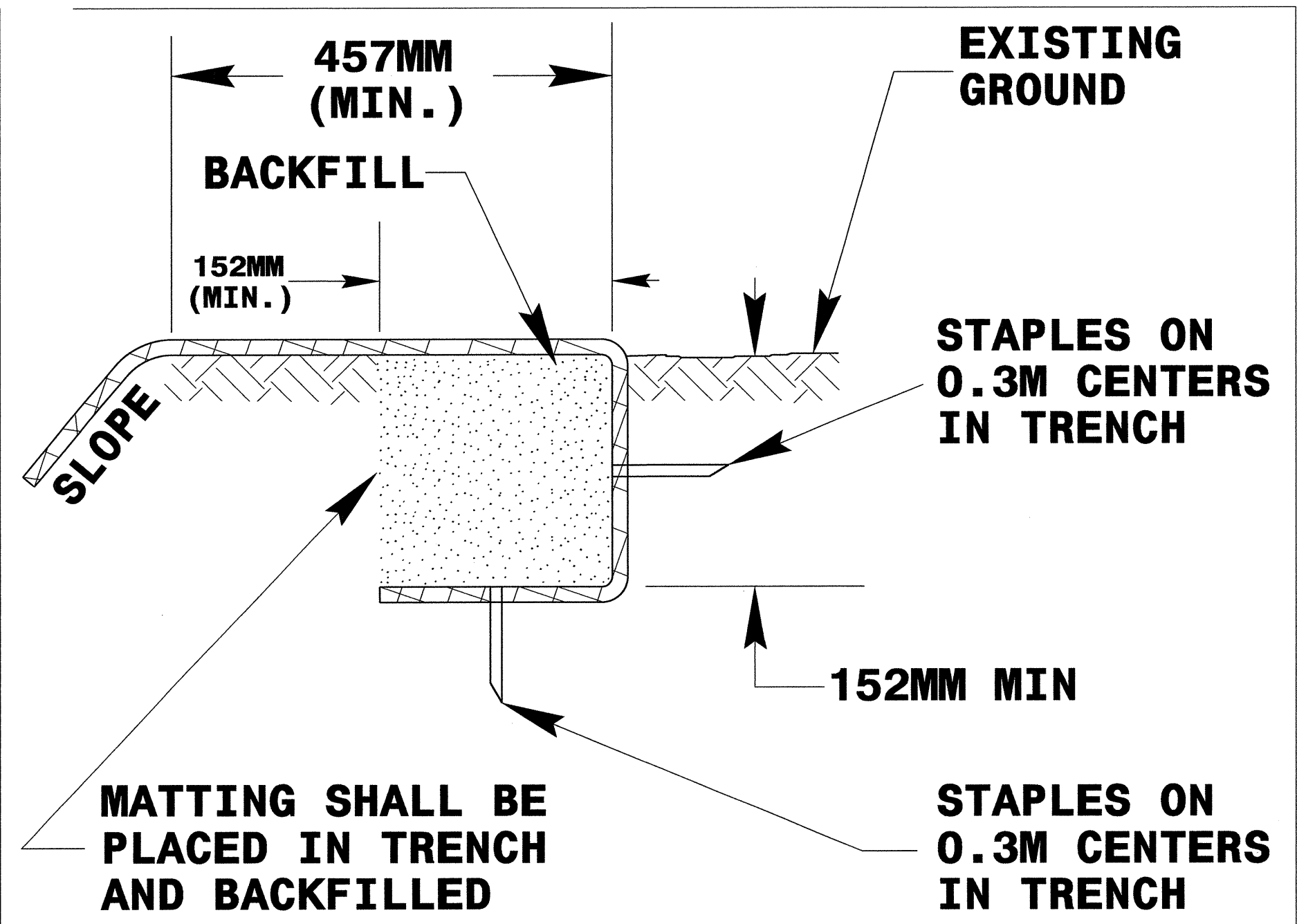
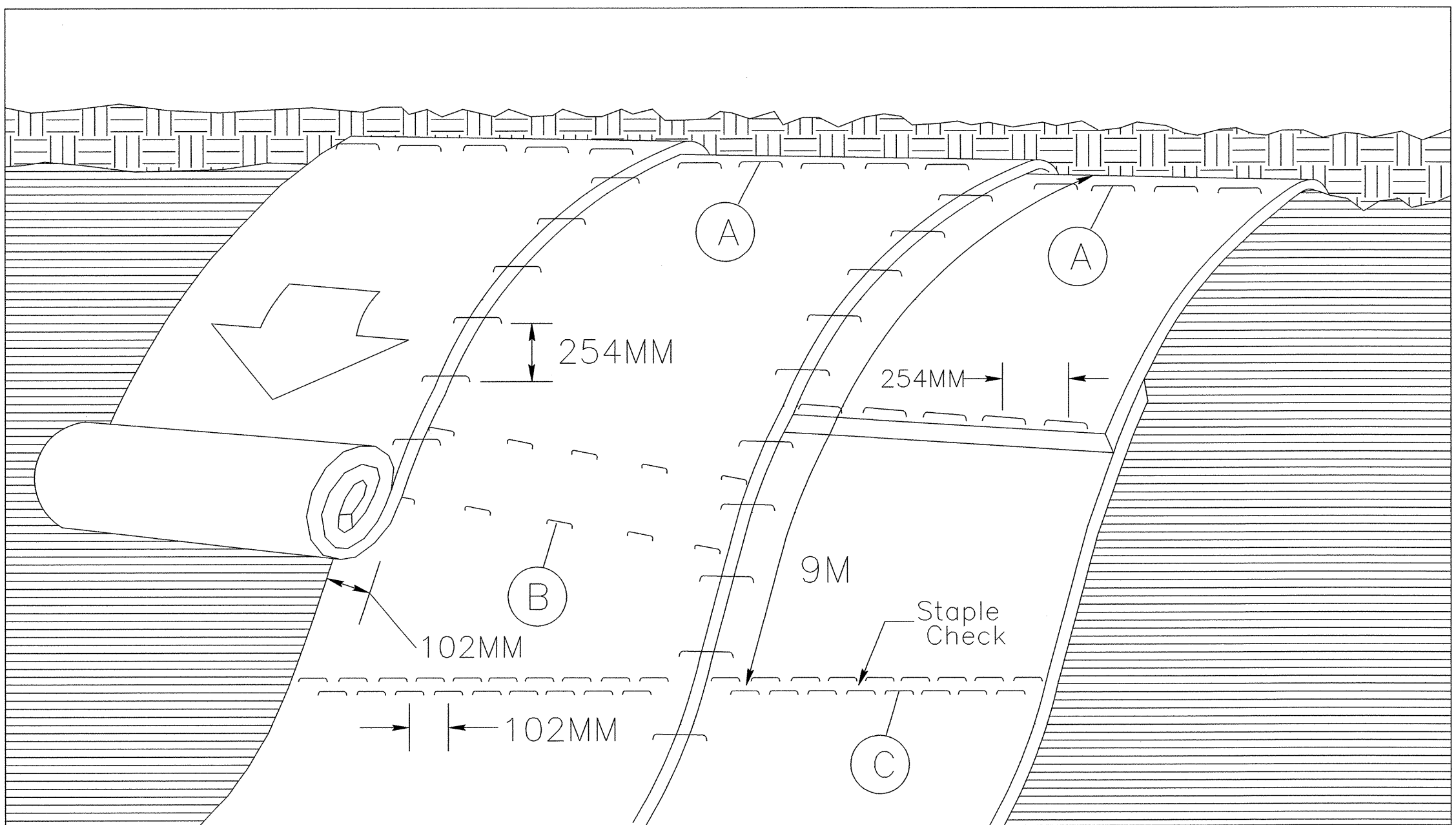


DIAGRAM (A)



**MATTING ON SLOPES**

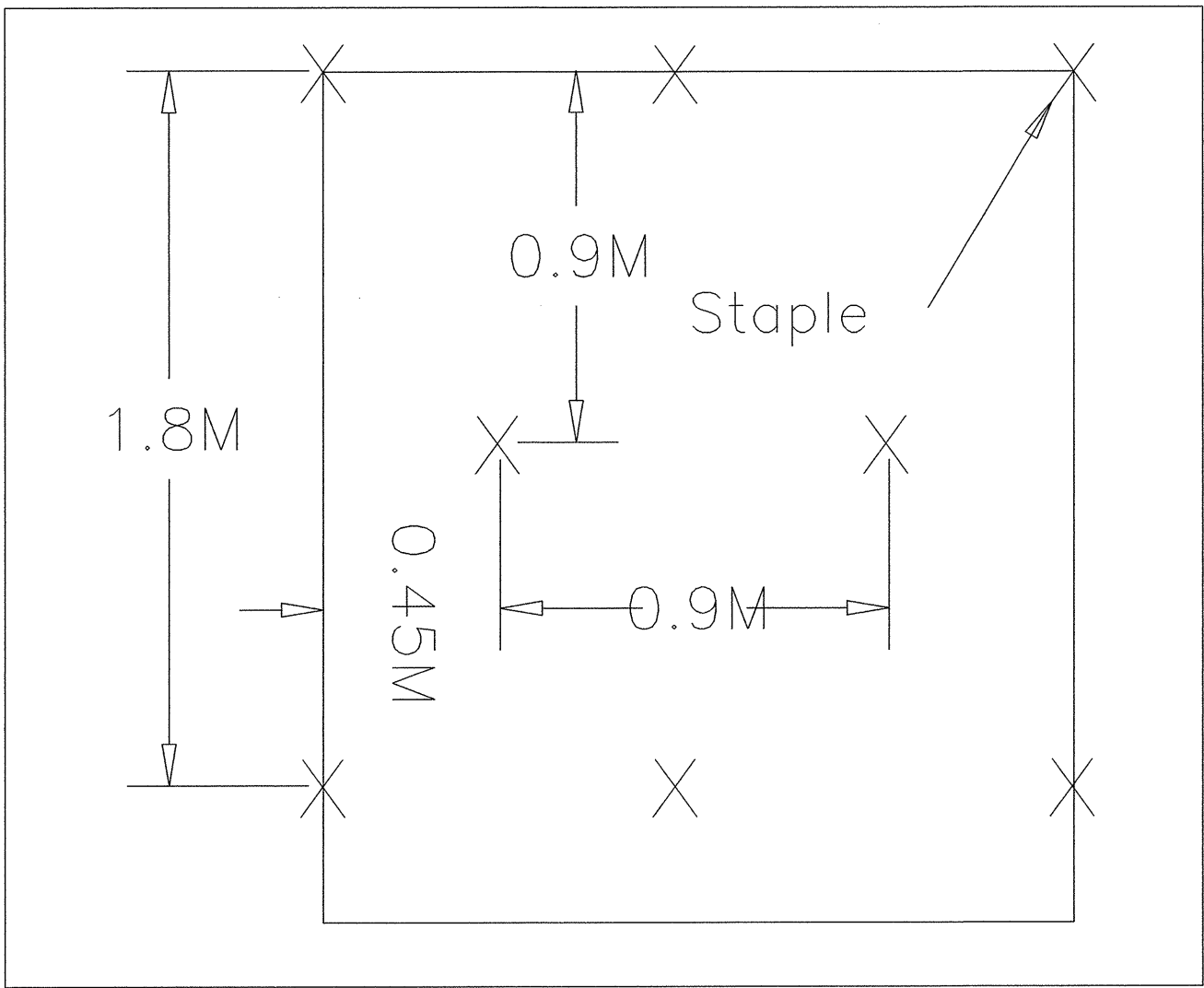


DIAGRAM (B)

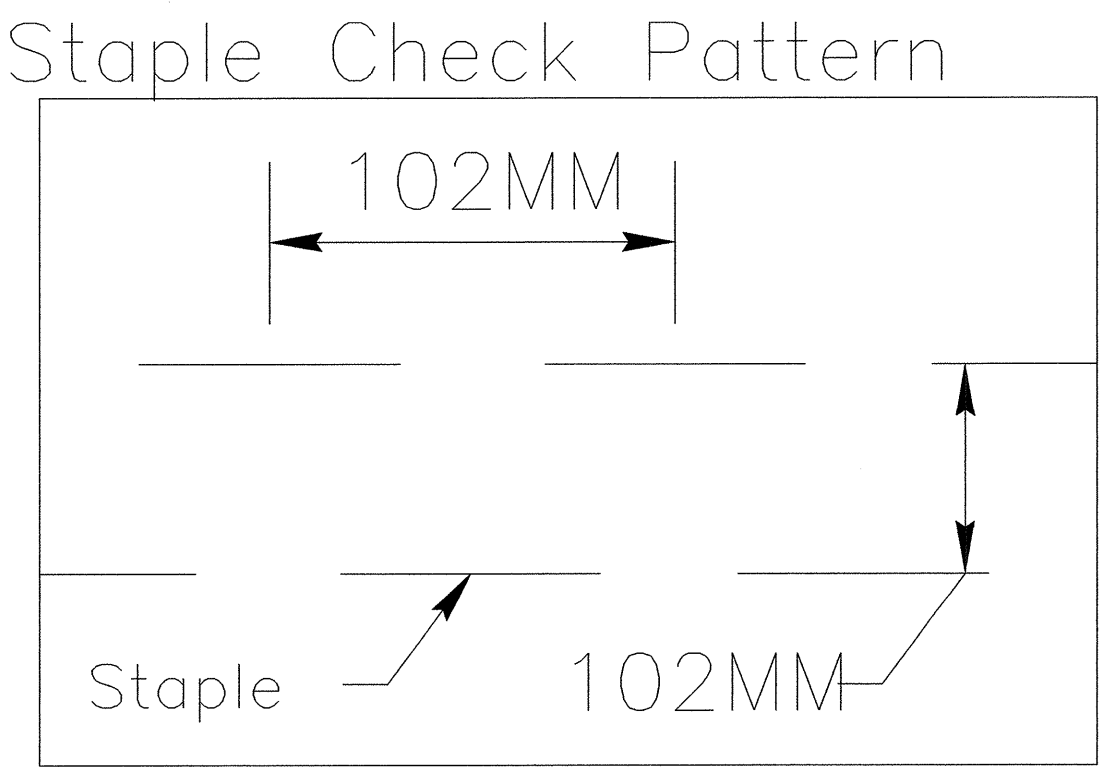


DIAGRAM (C)

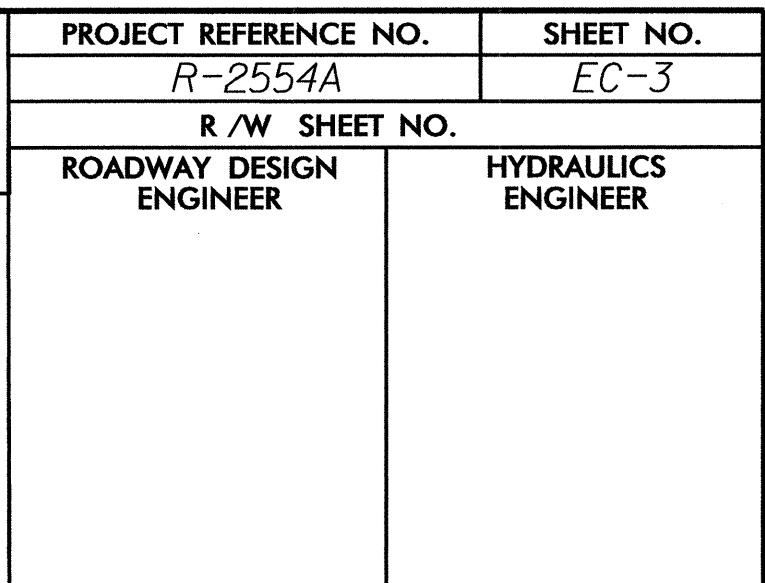
**NOTES:**

THIS DETAIL APPLIES TO STRAW, EXCELSIOR, AND PERMANENT SOIL REINFORCEMENT MAT (PSRM) INSTALLATION.

STAPLES SHALL BE NO. 11 GAUGE STEEL WIRE FORMED INTO A "U" SHAPE WITH A MINIMUM THROAT WIDTH OF 25MM AND NOT LESS THAN 152MM IN LENGTH.

NOT TO SCALE



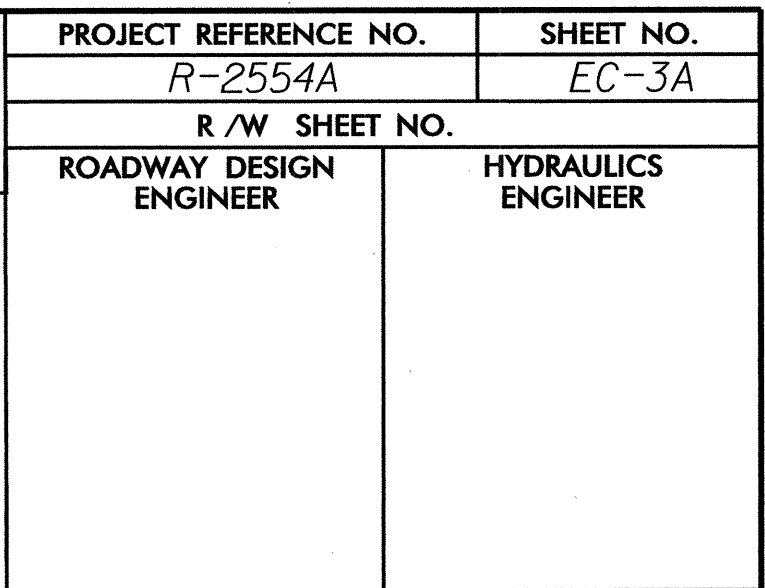


# SOIL STABILIZATION SUMMARY SHEET

## ***MATTING FOR EROSION CONTROL***

[illegible]





# SOIL STABILIZATION SUMMARY SHEET

## ***PERMANENT SOIL REINFORCEMENT MAT***

[illegible][illegible]



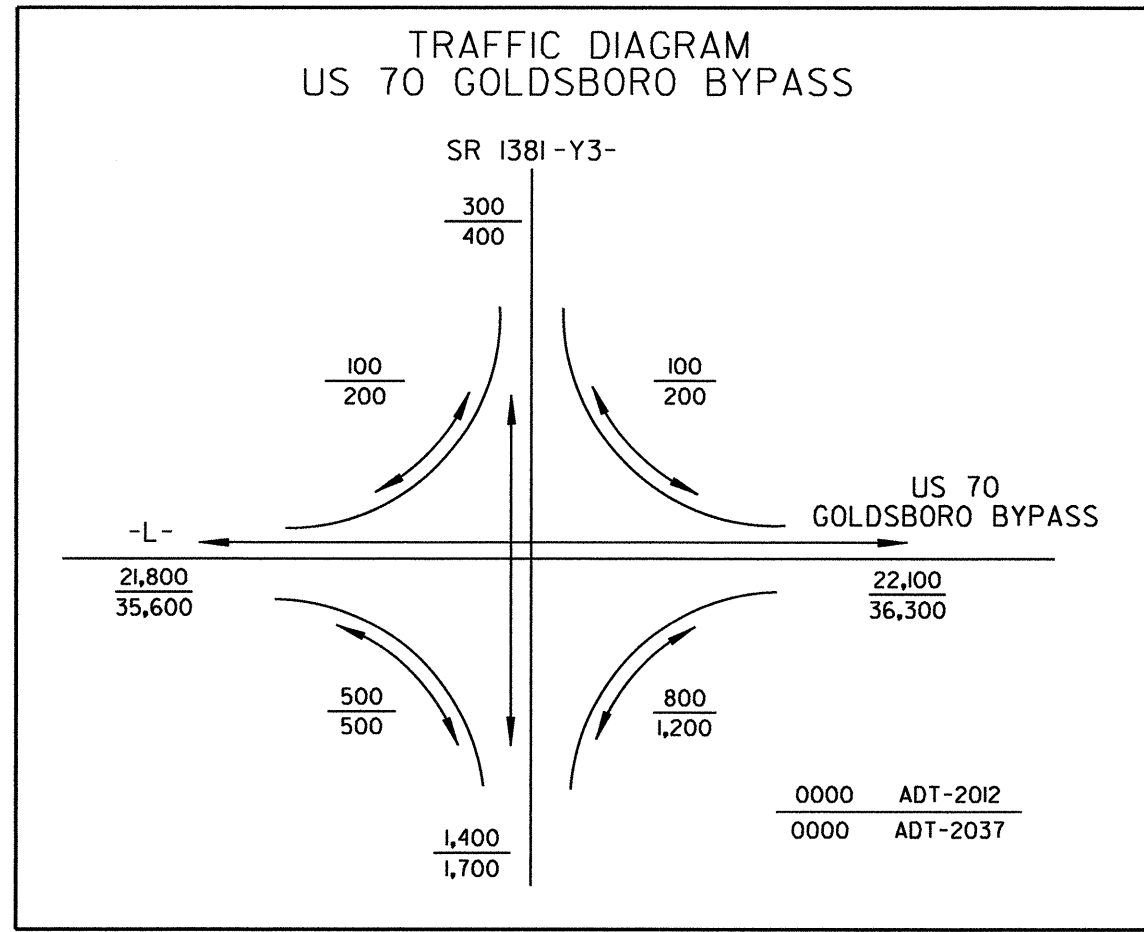


|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-3B               |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

SOIL STABILIZATION TIMEFRAMES

| SITE DESCRIPTION                             | STABILIZATION TIME | TIMEFRAME EXCEPTIONS                                                                   |
|----------------------------------------------|--------------------|----------------------------------------------------------------------------------------|
| PERIMETER DIKES, SWALES, DITCHES AND SLOPES  | 7 DAYS             | NONE                                                                                   |
| HIGH QUALITY WATER (HQW) ZONES               | 7 DAYS             | NONE                                                                                   |
| SLOPES STEEPER THAN 3:1                      | 7 DAYS             | IF SLOPES ARE 3 M 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 15 M IN LENGTH.                                         |
| ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 | 14 DAYS            | NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.                                             |





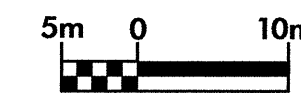
-L-  
PI Sta 1+01.007  $\Delta = 10^\circ 29' 34.4''$  (RT)  $L = 201.449$   
 $T = 101.007$   $R = 1,100.000$   $SE = 0.05$

PIs Sta 2+31.454  $\Delta_s = 2^\circ 20' 38.1''$   $L_s = 90.000$   
 $LT = 60.005$   $ST = 30.005$

-Y3-  
PI Sta 11+68.619  $\Delta = 39^\circ 35' 23.1''$  (RT)  $L = 55.278$   
 $T = 28.794$   $R = 80.000$   $SE = 0.02$

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 4

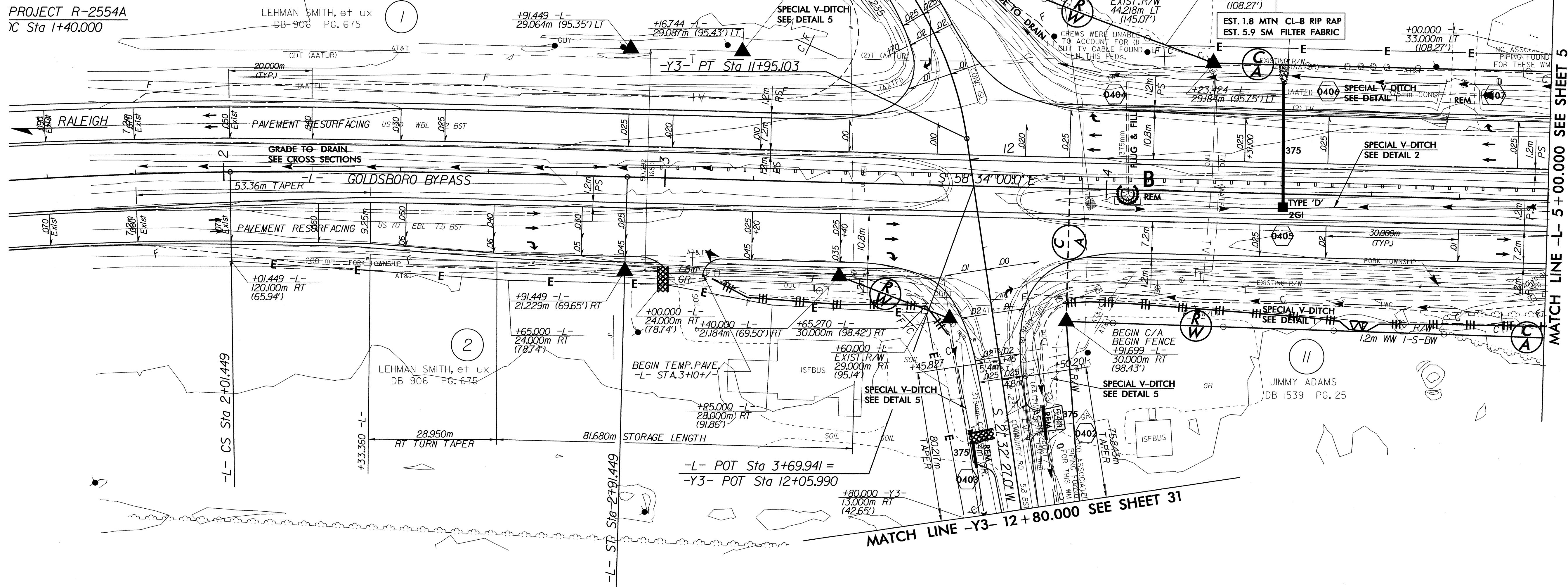


CONST.REV.

R/W REV.

| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-04/CONST.04      |
| R/W SHEET NO. 4         |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

PROJECT R-2554A  
IC Sta 1+40.000



OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED.

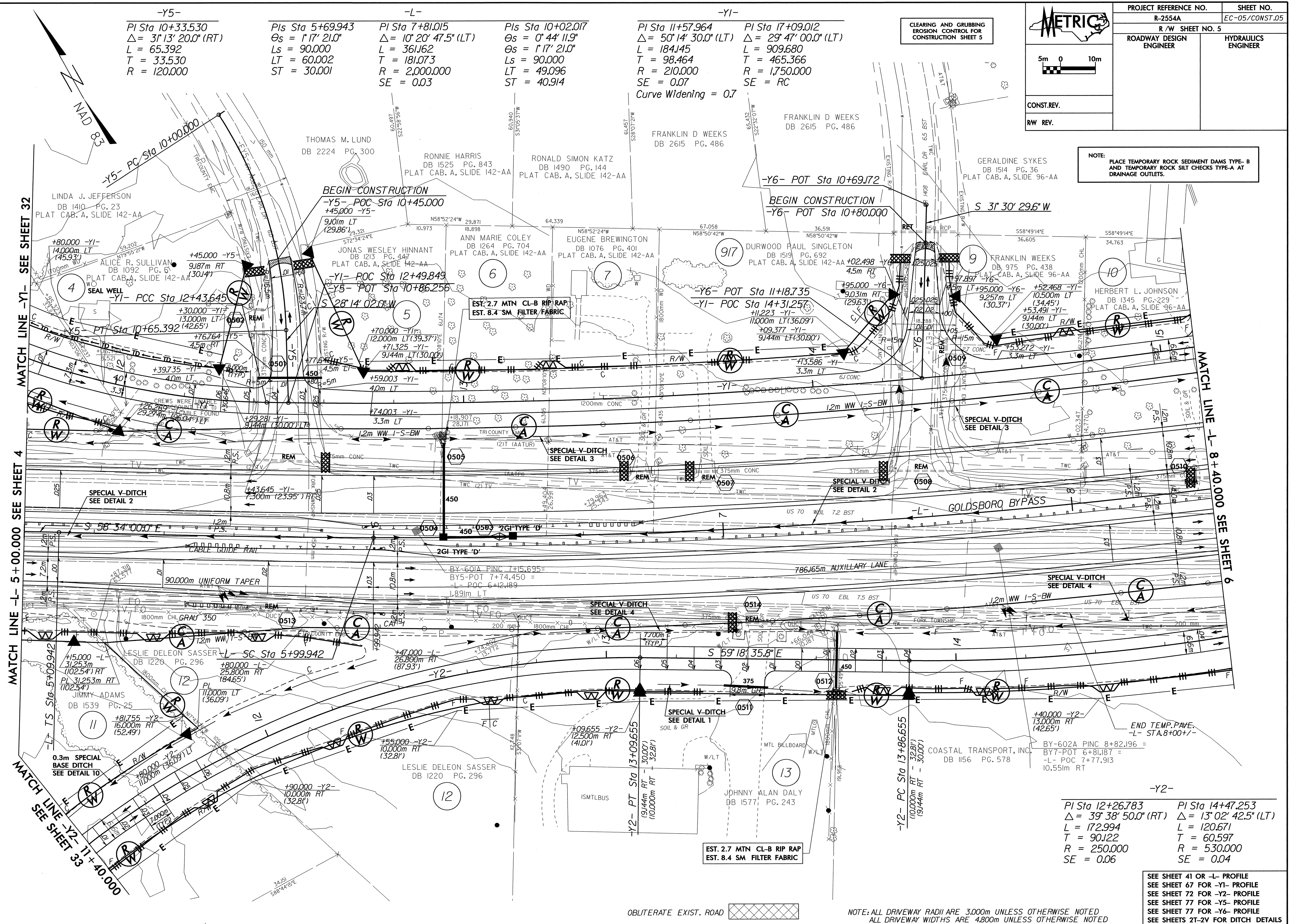
SEE SHEET 41 FOR -L- PROFILE  
SEE SHEET 76 OR -Y3- PROFILE  
SEE SHEET 2K FOR INT. DETAILS  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILES  
DATE  
PEN  
TABLE

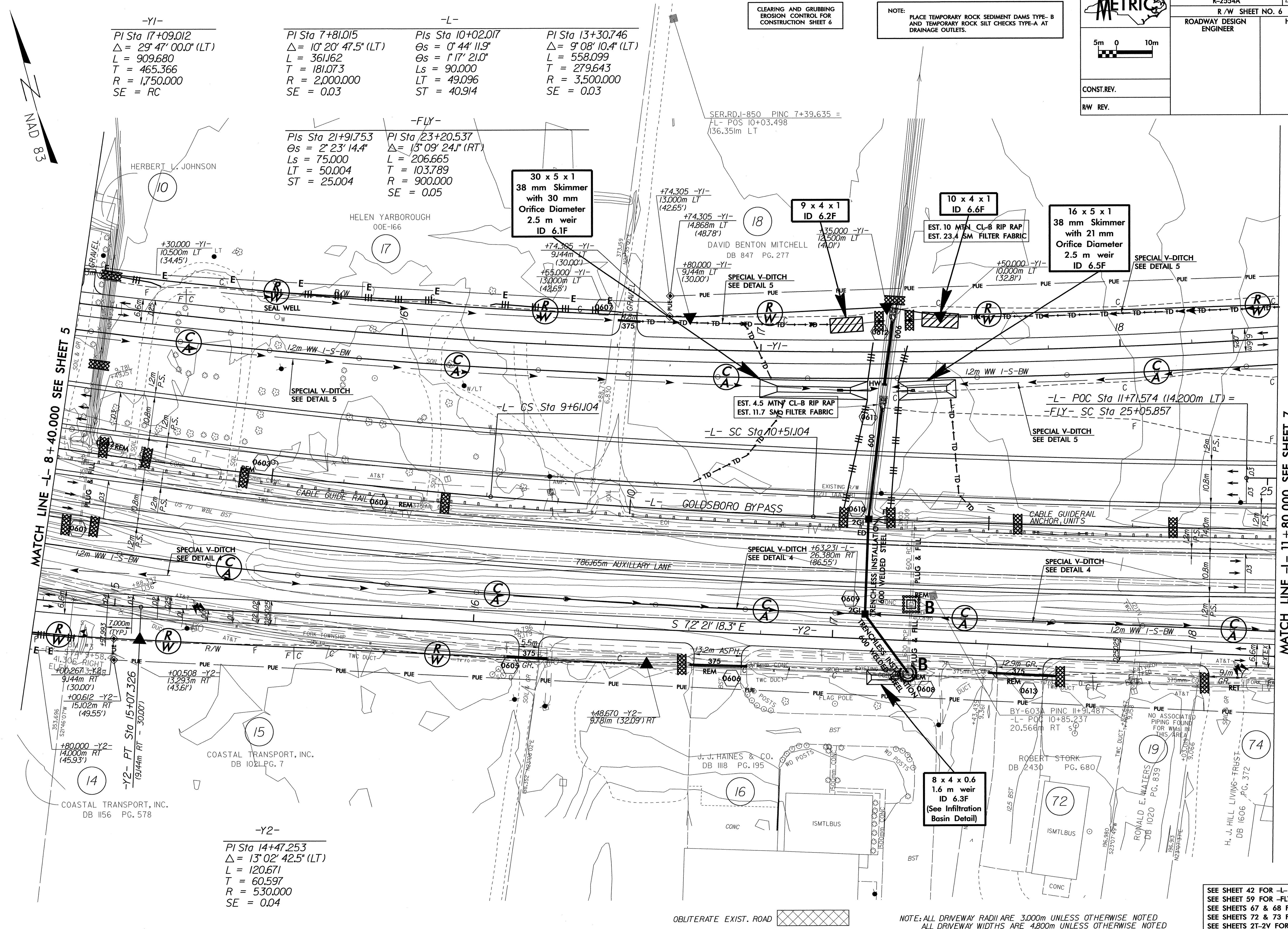
SDATES  
DRIVER  
TABLE

STIMES  
SPENT









-Y1-

PI Sta 17+09.012  
 $\Delta = 29^\circ 47' 00.0''$  (LT)  
 $L = 909.680$   
 $T = 465.366$   
 $R = 1,750.000$   
 $SE = RC$

-L-

PI Sta 7+81.015  
 $\Delta = 10^\circ 20' 47.5''$  (LT)  
 $L = 361.662$   
 $T = 181.073$   
 $R = 2,000.000$   
 $SE = 0.03$

PIs Sta 10+02.017  
 $\Theta s = 0^\circ 44' 11.9''$   
 $\Theta s = 1^\circ 17' 21.0''$   
 $Ls = 90.000$   
 $LT = 49.096$   
 $ST = 40.914$

PI Sta 13+30.746  
 $\Delta = 9^\circ 08' 10.4''$  (LT)  
 $L = 558.099$   
 $T = 279.643$   
 $R = 3,500.000$   
 $SE = 0.03$

-FLY-

PIs Sta 21+91.753  
 $\Theta s = 2^\circ 23' 14.4''$   
 $Ls = 75.000$   
 $LT = 50.004$   
 $ST = 25.004$

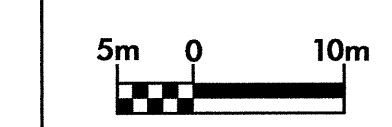
PI Sta 23+20.537  
 $\Delta = 13^\circ 09' 24.1''$  (RT)  
 $L = 206.665$   
 $T = 103.789$   
 $R = 900.000$   
 $SE = 0.05$

-Y2-

PI Sta 14+47.253  
 $\Delta = 13^\circ 02' 42.5''$  (LT)  
 $L = 120.671$   
 $T = 60.597$   
 $R = 530.000$   
 $SE = 0.04$

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 6

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



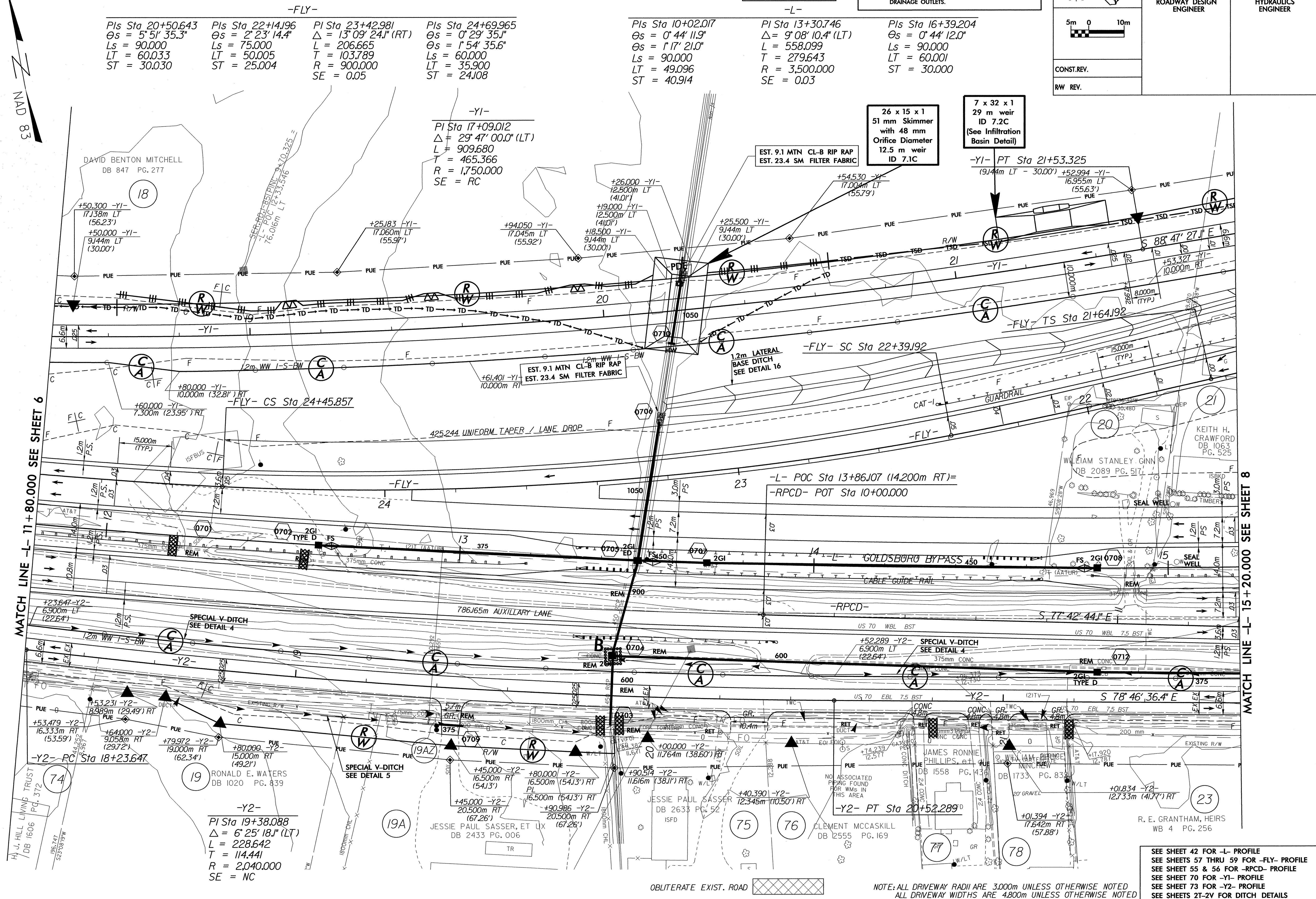
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

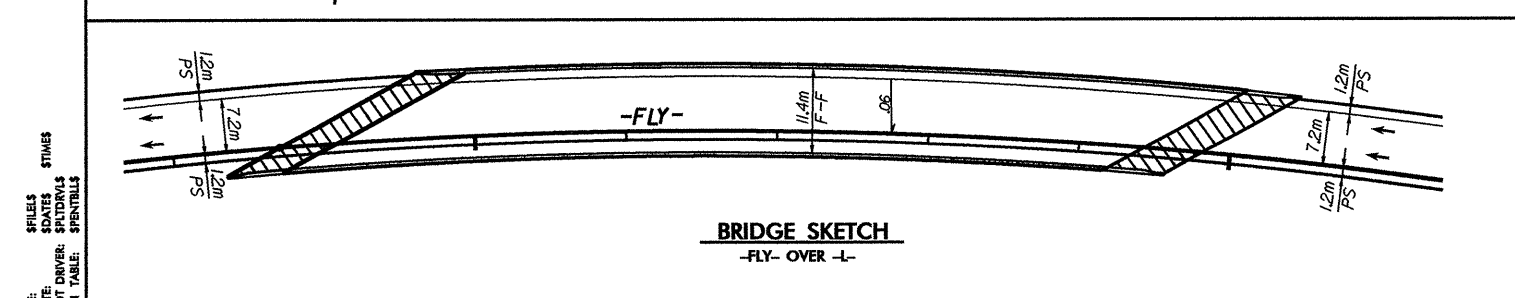
SEE SHEET 42 FOR -L- PROFILE  
SEE SHEET 59 FOR -FLY- PROFILE  
SEE SHEETS 67 & 68 FOR -Y1- PROFILE  
SEE SHEETS 72 & 73 FOR -Y2- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILED  
DATE  
PLOT  
PEN  
SHEET  
STATION  
TABLE  
STIMES  
SPENCILS











NAD 83

| -YI-                              |                                   |  | -RPB-                       |                                   |                             |
|-----------------------------------|-----------------------------------|--|-----------------------------|-----------------------------------|-----------------------------|
| Pis Sta 26+24.355                 | Pis Sta 35+29.319                 |  | Pis Sta 10+40.005           | Pis Sta 11+42.722                 | Pis Sta 12+44.412           |
| $\Delta_s = 13' 38'' 00.0''$ (RT) | $\Delta_s = 28' 11'' 23.2''$ (LT) |  | $\Delta_s = 2' 51'' 53.2''$ | $\Delta_s = 15' 41'' 59.0''$ (LT) | $\Delta_s = 2' 51'' 53.2''$ |
| L = 499.688                       | L = 590.405                       |  | Ls = 60.000                 | L = 164.401                       | Ls = 60.000                 |
| T = 28.0229                       | T = 301.305                       |  | LT = 40.005                 | T = 83.722                        | LT = 40.005                 |
| R = 2100.000                      | R = 1200.000                      |  | ST = 20.005                 | R = 600.000                       | ST = 20.005                 |
| SE = NC                           | SE = RC                           |  | SE = 0.05                   |                                   |                             |

NOTE: PLACE TEMPORARY ROCK SEGMENT DMS TYPE-B AND TEMPORARY ROCK BUT CHECKS TYPE-A AT DRAINAGE CUTS.

CLEARING AND GRUBBING WORKS CONTRACT SHEET 9



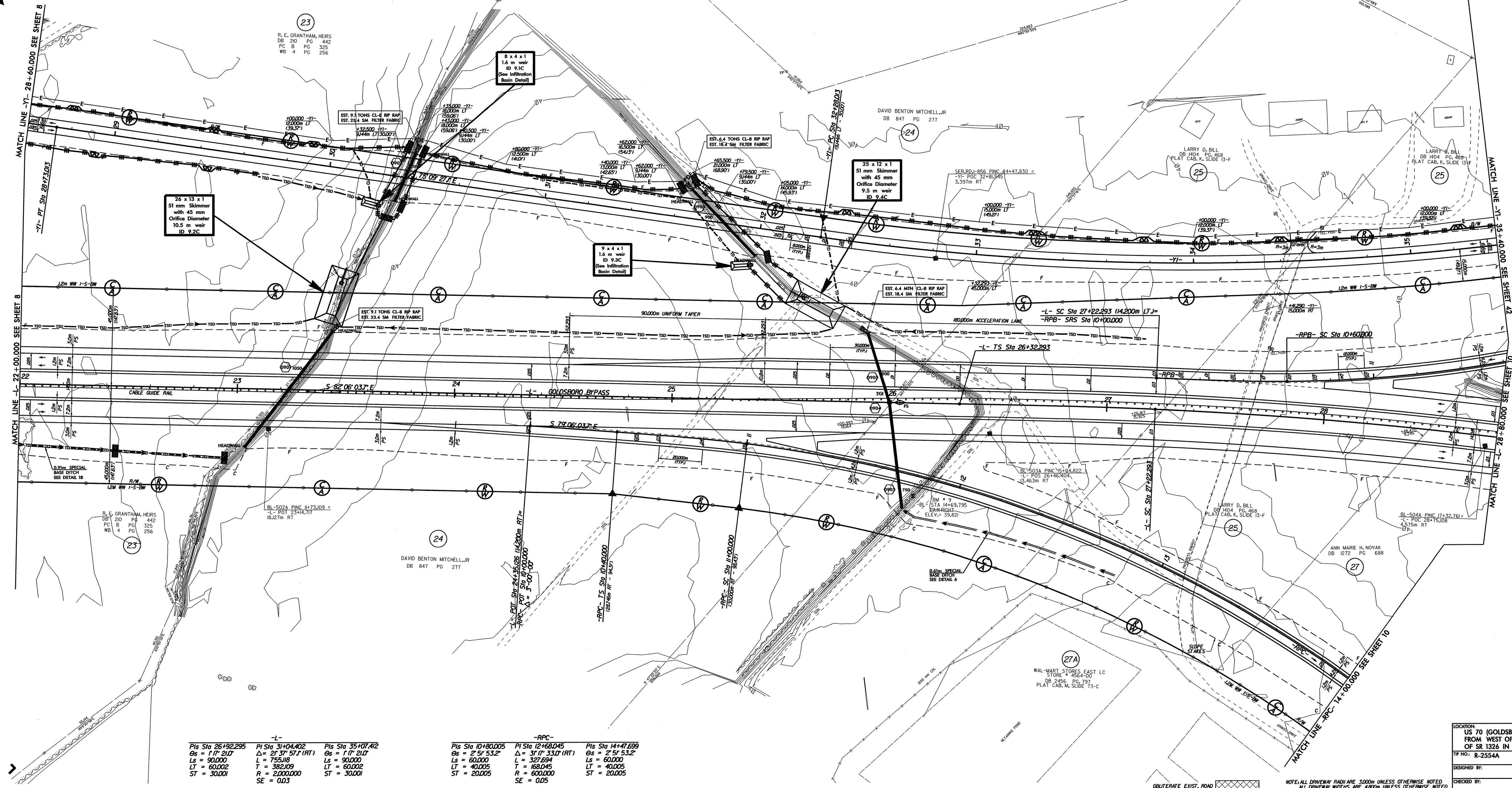
PROJECT REFERENCE NO. R-2554A  
SHEET NO. 9  
R/W SHEET NO. 9

ROADWAY DESIGN ENGINEER

HYDRAULICS ENGINEER

CONST. REV.

R/W REV.



| -L-                         |                                  |                             | -RPC-                       |                                  |                             |
|-----------------------------|----------------------------------|-----------------------------|-----------------------------|----------------------------------|-----------------------------|
| Pis Sta 26+92.295           | Pis Sta 31+04.402                | Pis Sta 35+07.412           | Pis Sta 10+80.005           | Pis Sta 12+68.045                | Pis Sta 14+47.699           |
| $\Delta_s = 1' 17'' 21.0''$ | $\Delta_s = 2' 37'' 57.1''$ (RT) | $\Delta_s = 1' 17'' 21.0''$ | $\Delta_s = 2' 51'' 53.2''$ | $\Delta_s = 3' 17'' 33.0''$ (RT) | $\Delta_s = 2' 51'' 53.2''$ |
| Ls = 90.000                 | L = 753.118                      | Ls = 90.000                 | Ls = 60.000                 | L = 327.694                      | Ls = 60.000                 |
| LT = 60.002                 | T = 382.109                      | LT = 60.002                 | LT = 40.005                 | T = 168.045                      | LT = 40.005                 |
| ST = 30.001                 | R = 2000.000                     | ST = 30.001                 | ST = 20.005                 | R = 600.000                      | ST = 20.005                 |
| SE = 0.03                   |                                  |                             | SE = 0.05                   |                                  |                             |

LOCATION: US 70 (GOLDSBORO BYPASS) FROM WEST OF SR 1237 TO EAST OF SR 1326 IN WAYNE COUNTY

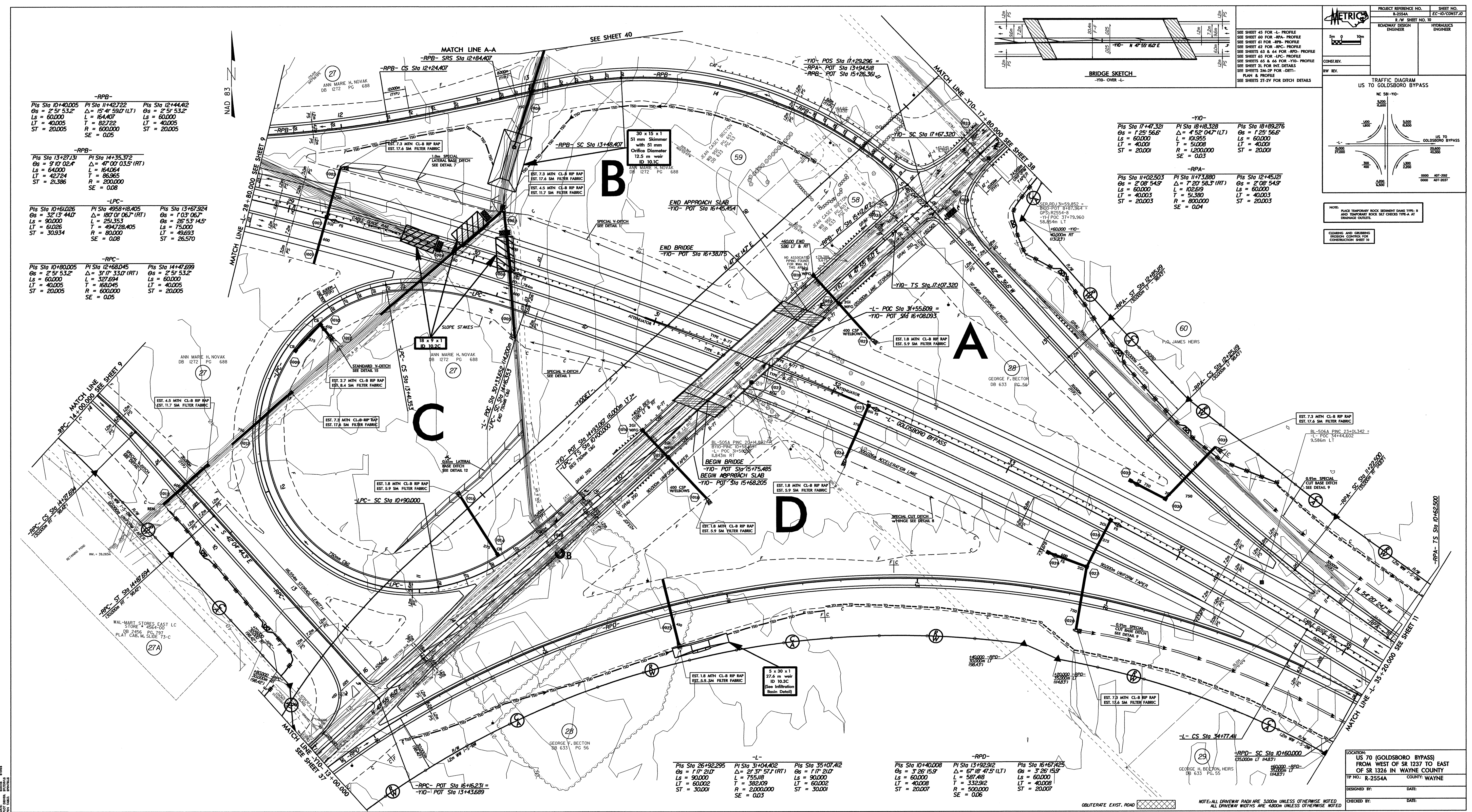
FILE NO.: R-2554A COUNTY: WAYNE

DESIGNED BY: DATE:

CHECKED BY: DATE:

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED. ALL DRIVEWAY WIDTHS ARE 4.000m UNLESS OTHERWISE NOTED.





-RPB-

|                   |                   |                   |
|-------------------|-------------------|-------------------|
| Sta 10+00.00      | Sta 11+42.722     | Sta 12+44.42      |
| Os = 2' 51" 53.2" | Os = 2' 51" 53.2" | Os = 2' 51" 53.2" |
| Ls = 60.000       | Ls = 60.000       | Ls = 60.000       |
| LT = 40.005       | LT = 40.005       | LT = 40.005       |
| ST = 20.005       | ST = 20.005       | ST = 20.005       |

-RPB-

|                   |                        |                   |
|-------------------|------------------------|-------------------|
| Sta 13+27.131     | Sta 14+35.372          | Sta 15+67.324     |
| Os = 9' 10" 02.4" | Os = 4' 07" 03.5" (RT) | Os = 2' 51" 53.2" |
| Ls = 60.000       | Ls = 60.000            | Ls = 60.000       |
| LT = 40.005       | LT = 40.005            | LT = 40.005       |
| ST = 20.005       | ST = 20.005            | ST = 20.005       |

-LPC-

|                    |                         |                   |
|--------------------|-------------------------|-------------------|
| Sta 10+60.026      | Sta 11+68.045           | Sta 12+76.064     |
| Os = 32' 13" 44.0" | Os = 31' 07" 33.0" (RT) | Os = 1' 03" 06.7" |
| Ls = 60.000        | Ls = 60.000             | Ls = 60.000       |
| LT = 40.005        | LT = 40.005             | LT = 40.005       |
| ST = 20.005        | ST = 20.005             | ST = 20.005       |

-RPC-

|                    |                         |                   |
|--------------------|-------------------------|-------------------|
| Sta 10+80.005      | Sta 12+68.045           | Sta 14+76.064     |
| Os = 32' 13" 44.0" | Os = 31' 07" 33.0" (RT) | Os = 1' 03" 06.7" |
| Ls = 60.000        | Ls = 60.000             | Ls = 60.000       |
| LT = 40.005        | LT = 40.005             | LT = 40.005       |
| ST = 20.005        | ST = 20.005             | ST = 20.005       |

-L-

|                   |                        |                   |
|-------------------|------------------------|-------------------|
| Sta 26+92.295     | Sta 31+04.402          | Sta 35+07.412     |
| Os = 1' 17" 21.0" | Os = 2' 37" 57.1" (RT) | Os = 1' 17" 21.0" |
| Ls = 90.000       | Ls = 75.518            | Ls = 90.000       |
| LT = 60.002       | LT = 38.009            | LT = 60.002       |
| ST = 30.001       | ST = 20.000            | ST = 30.001       |

-RPD-

|                   |                        |                   |
|-------------------|------------------------|-------------------|
| Sta 10+40.008     | Sta 13+92.912          | Sta 16+67.425     |
| Os = 3' 26" 15.9" | Os = 6' 18" 47.5" (LT) | Os = 3' 26" 15.9" |
| Ls = 60.000       | Ls = 58.748            | Ls = 60.000       |
| LT = 40.008       | LT = 33.912            | LT = 40.008       |
| ST = 20.007       | ST = 50.000            | ST = 20.007       |

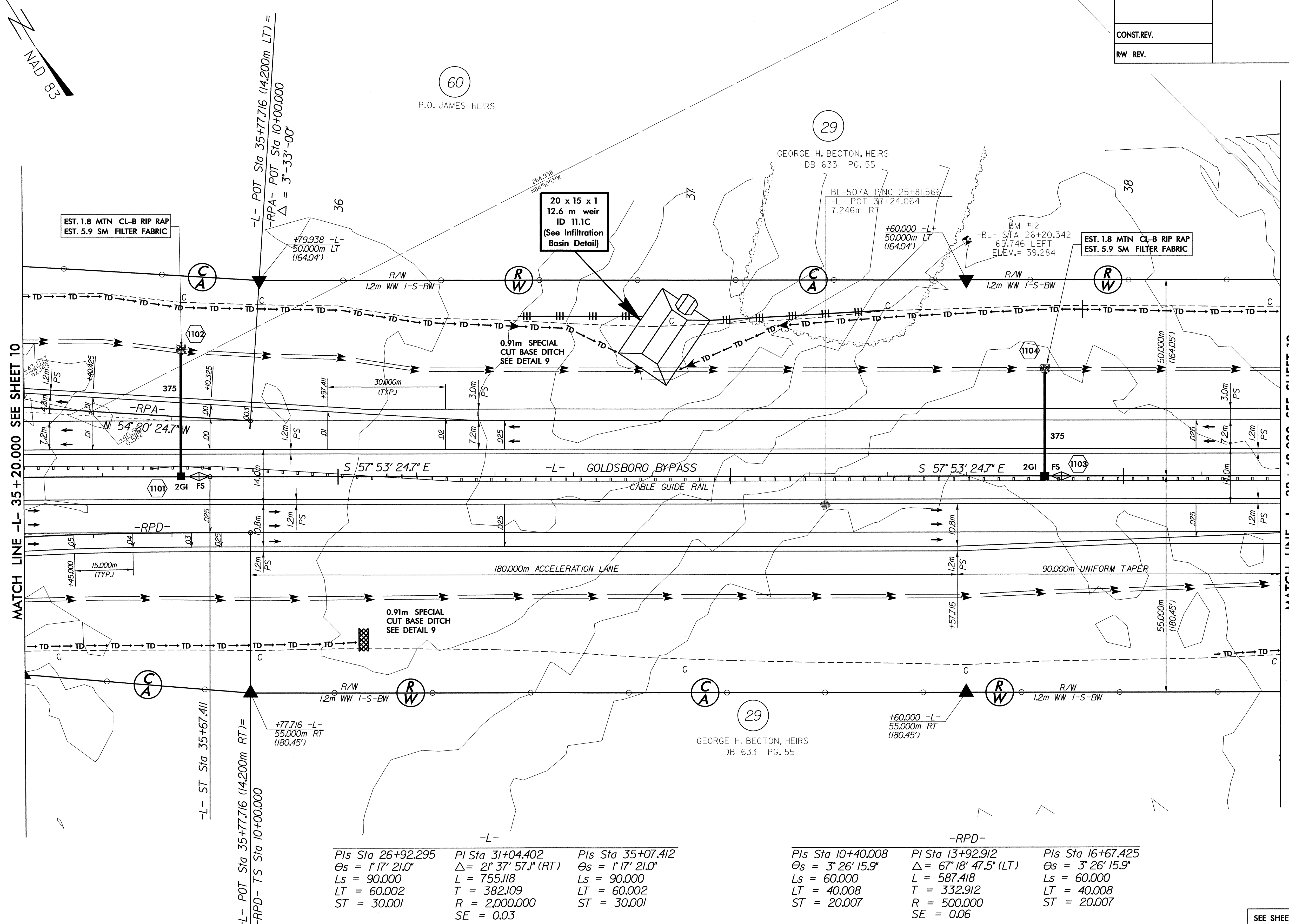
-RPD-

|                    |                         |                   |
|--------------------|-------------------------|-------------------|
| Sta 10+60.000      | Sta 11+68.045           | Sta 12+76.064     |
| Os = 32' 13" 44.0" | Os = 31' 07" 33.0" (RT) | Os = 1' 03" 06.7" |
| Ls = 60.000        | Ls = 60.000             | Ls = 60.000       |
| LT = 40.005        | LT = 40.005             | LT = 40.005       |
| ST = 20.005        | ST = 20.005             | ST = 20.005       |

LOCATION: US 70 (GOLDSBORO BYPASS)  
FROM WEST OF SR 1237 TO EAST  
OF SR 1326 IN WAYNE COUNTY  
PROJECT NO.: R-2554A  
COUNTY: WAYNE  
DESIGNED BY: DATE:  
CHECKED BY: DATE:



|                                                                                     |                            |                        |
|-------------------------------------------------------------------------------------|----------------------------|------------------------|
|   | PROJECT REFERENCE NO.      | SHEET NO.              |
|                                                                                     | R-2554A                    | EC-II/CONST.II         |
|                                                                                     | R / W SHEET NO. 11         |                        |
|                                                                                     | ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |
|  |                            |                        |
| CONST.REV.                                                                          |                            |                        |
| RW REV.                                                                             |                            |                        |



|              |              |           |
|--------------|--------------|-----------|
| FILE:        | \$FILE\$     | \$TIMES\$ |
| DATE:        | \$DATE\$     |           |
| PLOT DRIVER: | \$PLTDRVLS\$ |           |
| PEN TABLE:   | \$PENTBLLS\$ |           |

OBLITERATE EXIST. ROAD 

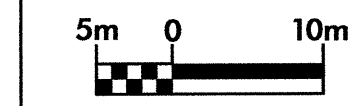
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 46 FOR -L- PROFILE  
SEE SHEET 60 FOR -RPA- PROFILE  
SEE SHEET 63 FOR -RPD- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS





| PROJECT REFERENCE NO.   |  | SHEET NO.           |
|-------------------------|--|---------------------|
| R-2554A                 |  | EC-12/CONST.12      |
| R/W SHEET NO. 12        |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |



CONST. REV.  
RW REV.

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

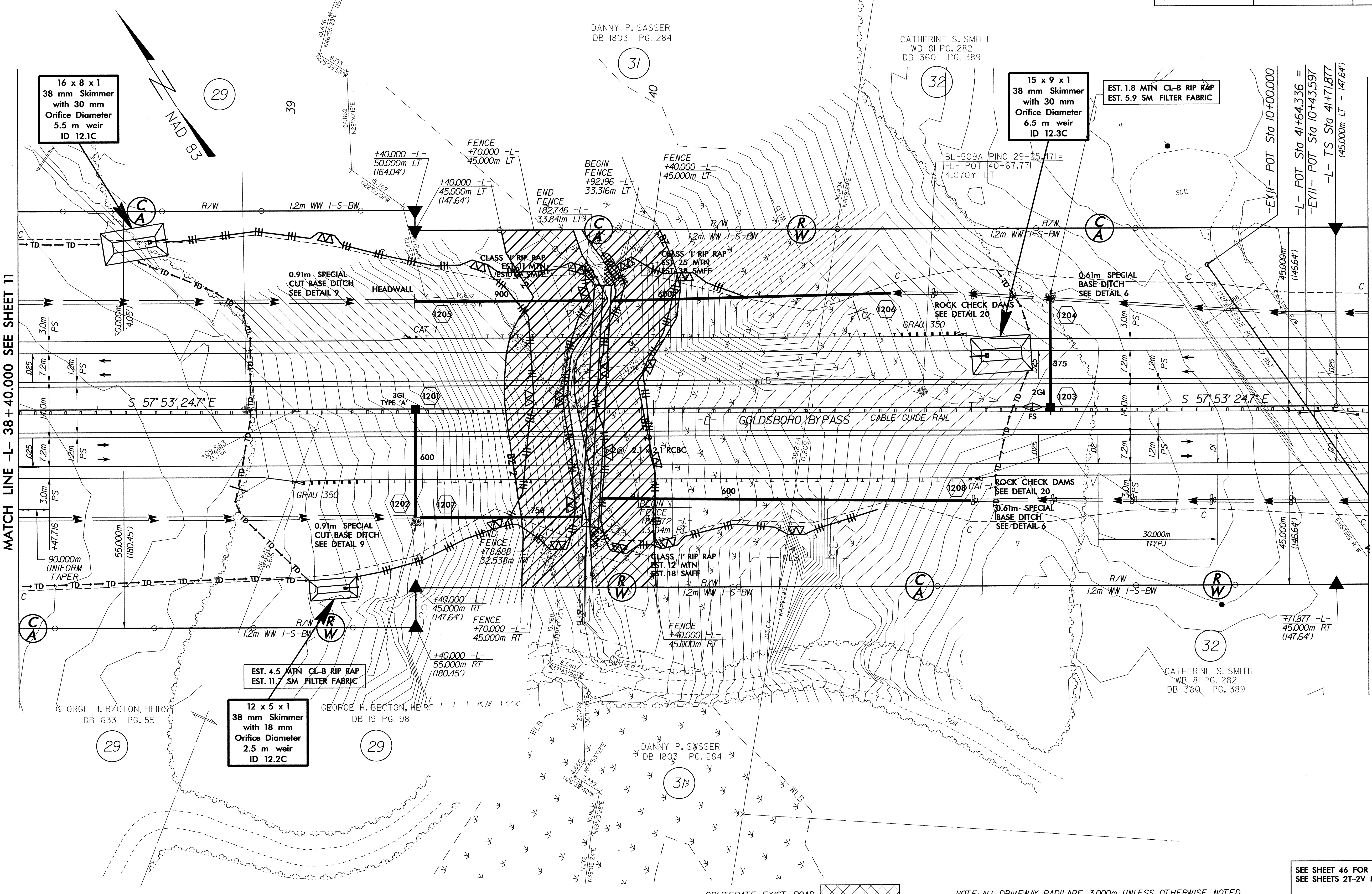
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 12

-L-  
Pls Sta 42+31.878  
 $\Delta s = 1'01'' 52.8''$   
 $Ls = 90.000$   
 $LT = 60.001$   
 $ST = 30.001$   
Pls Sta 51+64.793  
 $\Delta = 39' 42'' 57.7'' (LT)$   
 $L = 1732.939$   
 $T = 902.916$   
 $R = 2,500.000$   
 $SE = 0.03$   
Pls Sta 60+24.817  
 $\Delta s = 1'01'' 52.8''$   
 $Ls = 90.000$   
 $LT = 60.001$   
 $ST = 30.001$

ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

MATCH LINE -L- 38 + 40.000 SEE SHEET 11

MATCH LINE -L- 41 + 80.000 SEE SHEET 13



FILE: SFILES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRVS  
PEN TABLE: SPENTBLLS

SEE SHEET 46 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

OBLITERATE EXIST. ROAD

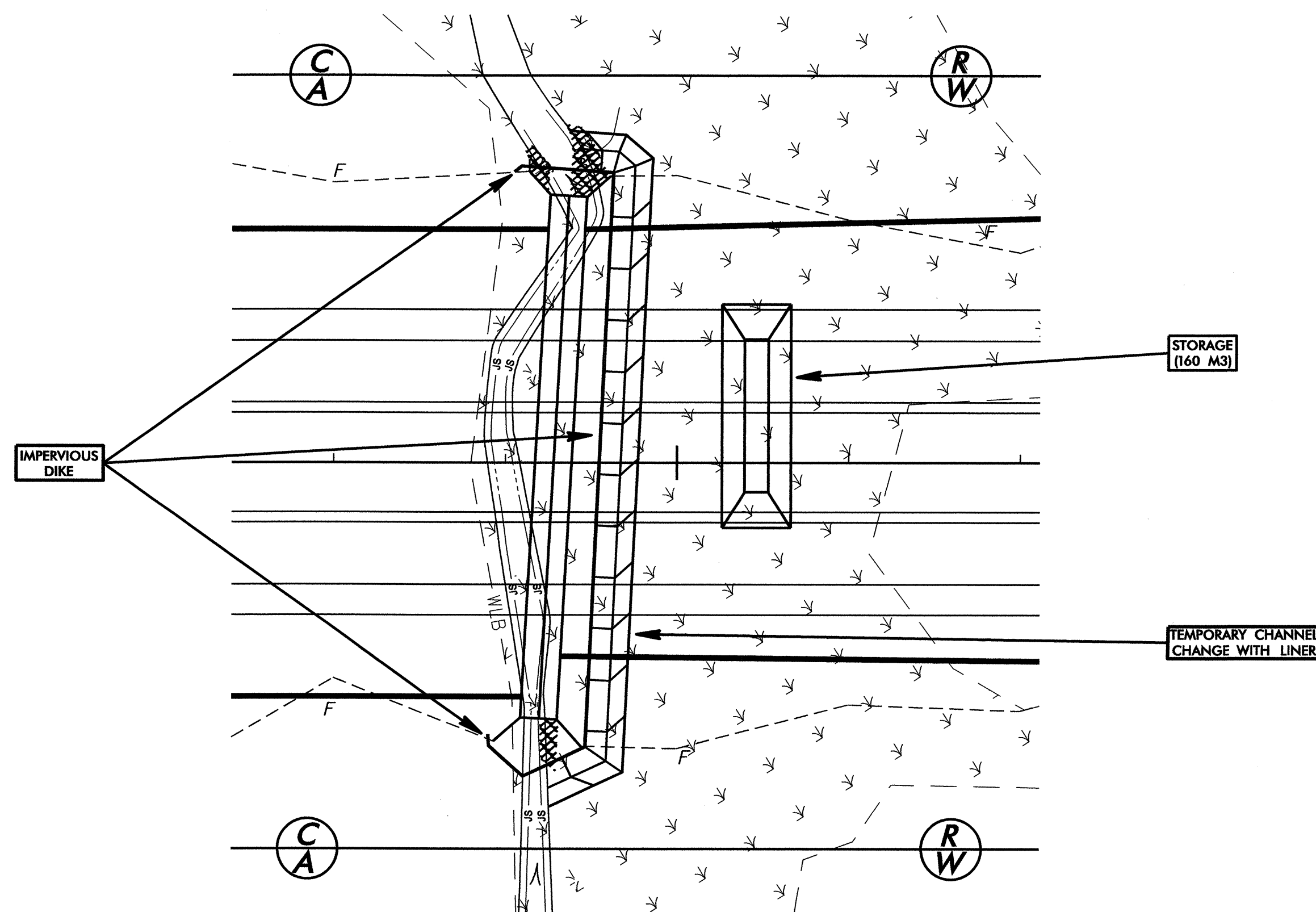




| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-13/CONST.2       |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# CULVERT CONSTRUCTION SEQUENCE STA. 39+85.6 -L-

1. CONSTRUCT STILLING BASIN (160 M3).
2. CONSTRUCT IMPERVIOUS DIKE AND TEMPORARY CHANNEL CHANGE WITH LINER (2.5M BASE, 1M DEEP, 2:1 SIDE SLOPE), DIVERTING FLOW.
3. CONSTRUCT PROPOSED CULVERT.
4. REMOVE IMPERVIOUS DIKE AND TEMPORARY CHANNEL CHANGE, ALLOWING FLOW THROUGH CULVERT.
5. COMPLETE ANY NECESSARY INLET/OUTLET CHANNEL IMPROVEMENTS.
6. REMOVE STILLING BASIN.
7. COMPLETE ROADWAY.

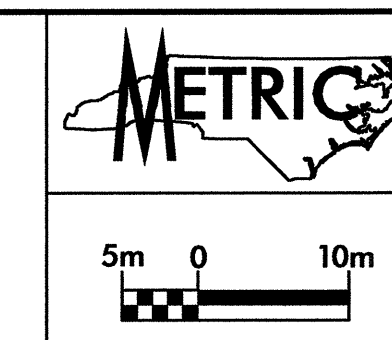








|                         |  |                     |
|-------------------------|--|---------------------|
| PROJECT REFERENCE NO.   |  | SHEET NO.           |
| R-2554A                 |  | EC-15/CONST.14      |
| R/W SHEET NO. 14        |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
| CONST. REV.             |  |                     |
| RW REV.                 |  |                     |



CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 14

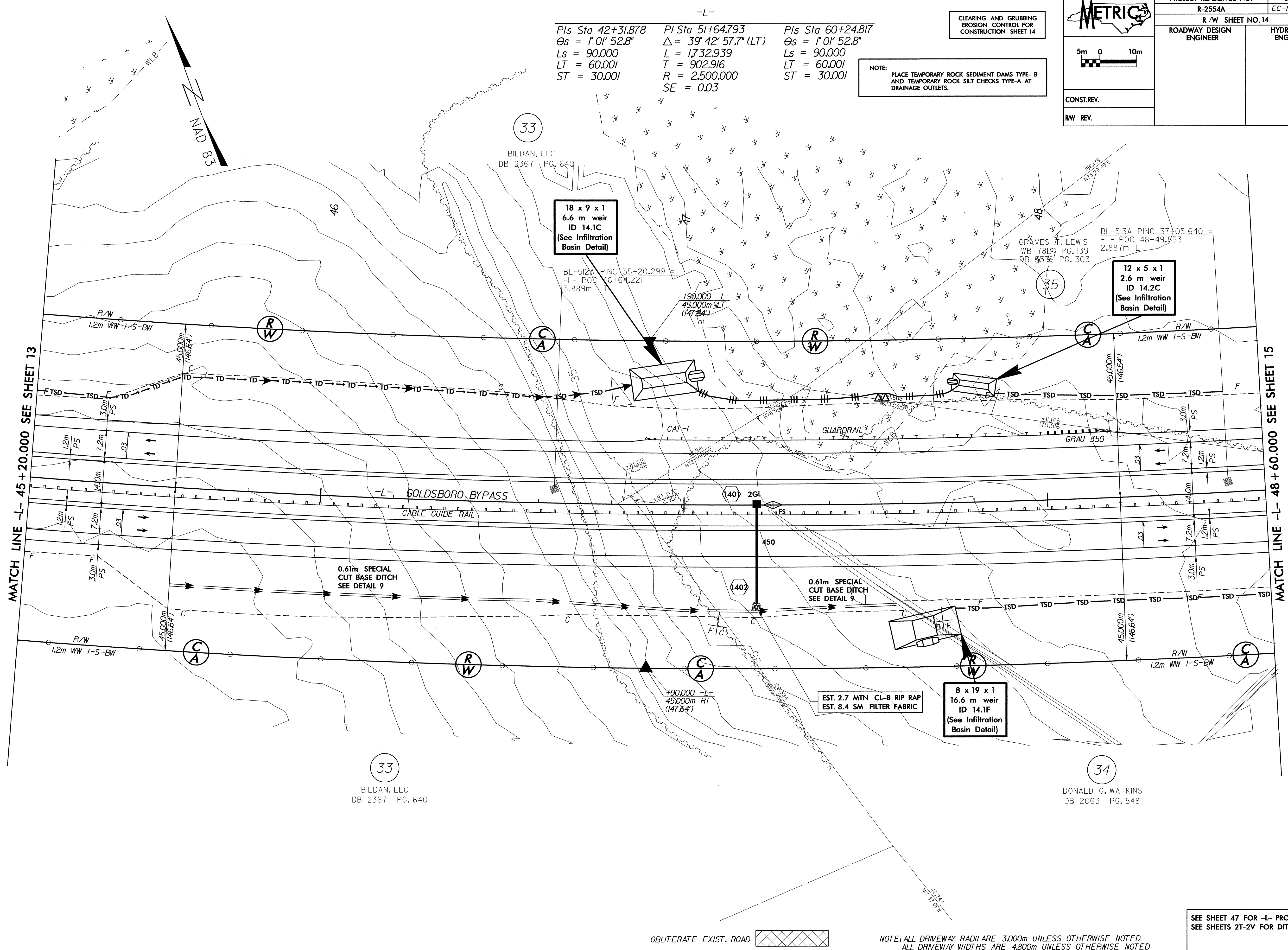
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.

-L-

|                                   |                                       |                                   |
|-----------------------------------|---------------------------------------|-----------------------------------|
| Pls Sta 42+31.878                 | Pls Sta 51+64.793                     | Pls Sta 60+24.817                 |
| $\Theta s = 1^{\circ} 01' 52.8''$ | $\Delta = 39^{\circ} 42' 57.7'' (LT)$ | $\Theta s = 1^{\circ} 01' 52.8''$ |
| $Ls = 90.000$                     | $L = 1,732.939$                       | $Ls = 90.000$                     |
| $LT = 60.001$                     | $T = 902.916$                         | $LT = 60.001$                     |
| $ST = 30.001$                     | $R = 2,500.000$                       | $ST = 30.001$                     |
|                                   | $SE = 0.03$                           |                                   |

MATCH LINE -L- 45+20.000 SEE SHEET 13

MATCH LINE -L- 48+60.000 SEE SHEET 15



BILDAN, LLC  
DB 2367 PG. 640

DONALD G. WATKINS  
DB 2063 PG. 548

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

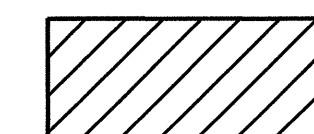
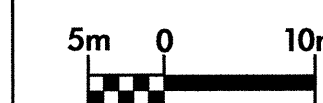
SEE SHEET 47 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRS  
PEN TABLE: SPENLBS





| PROJECT REFERENCE NO.   |  | SHEET NO.           |
|-------------------------|--|---------------------|
| R-2554A                 |  | EC-16/CONST.15      |
| R/W SHEET NO. 15        |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
| CONST. REV.             |  |                     |
| RW REV.                 |  |                     |



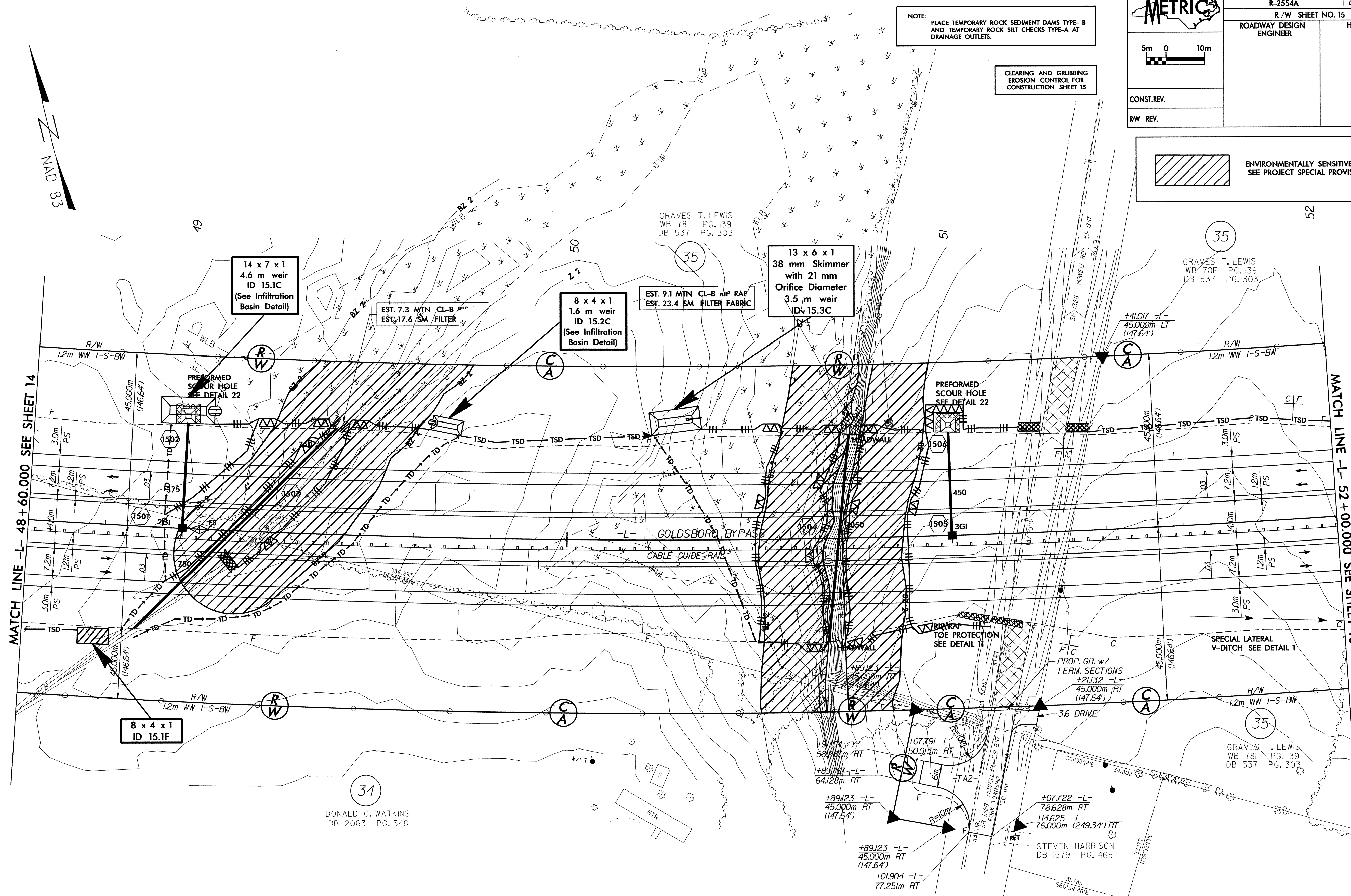
ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

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 15

MATCH LINE -L- 48 + 60.000 SEE SHEET 14

MATCH LINE -L- 52 + 00.000 SEE SHEET 16



| -L-                       |                                 |                           |
|---------------------------|---------------------------------|---------------------------|
| Pls Sta 42+31.878         | Pl Sta 51+64.793                | Pls Sta 60+24.817         |
| $\Delta s = 1'0'' 52.8''$ | $\Delta = 39' 42'' 57.7''$ (LT) | $\Delta s = 1'0'' 52.8''$ |
| Ls = 90.000               | L = 1,732.939                   | Ls = 90.000               |
| LT = 60.001               | T = 902.916                     | LT = 60.001               |
| ST = 30.001               | R = 2,500.000                   | ST = 30.001               |
|                           | SE = 0.03                       |                           |

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 48 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: SDATES  
PLOT: SDATKLS  
PEN: STIMES  
TABLE: SPENRLLS



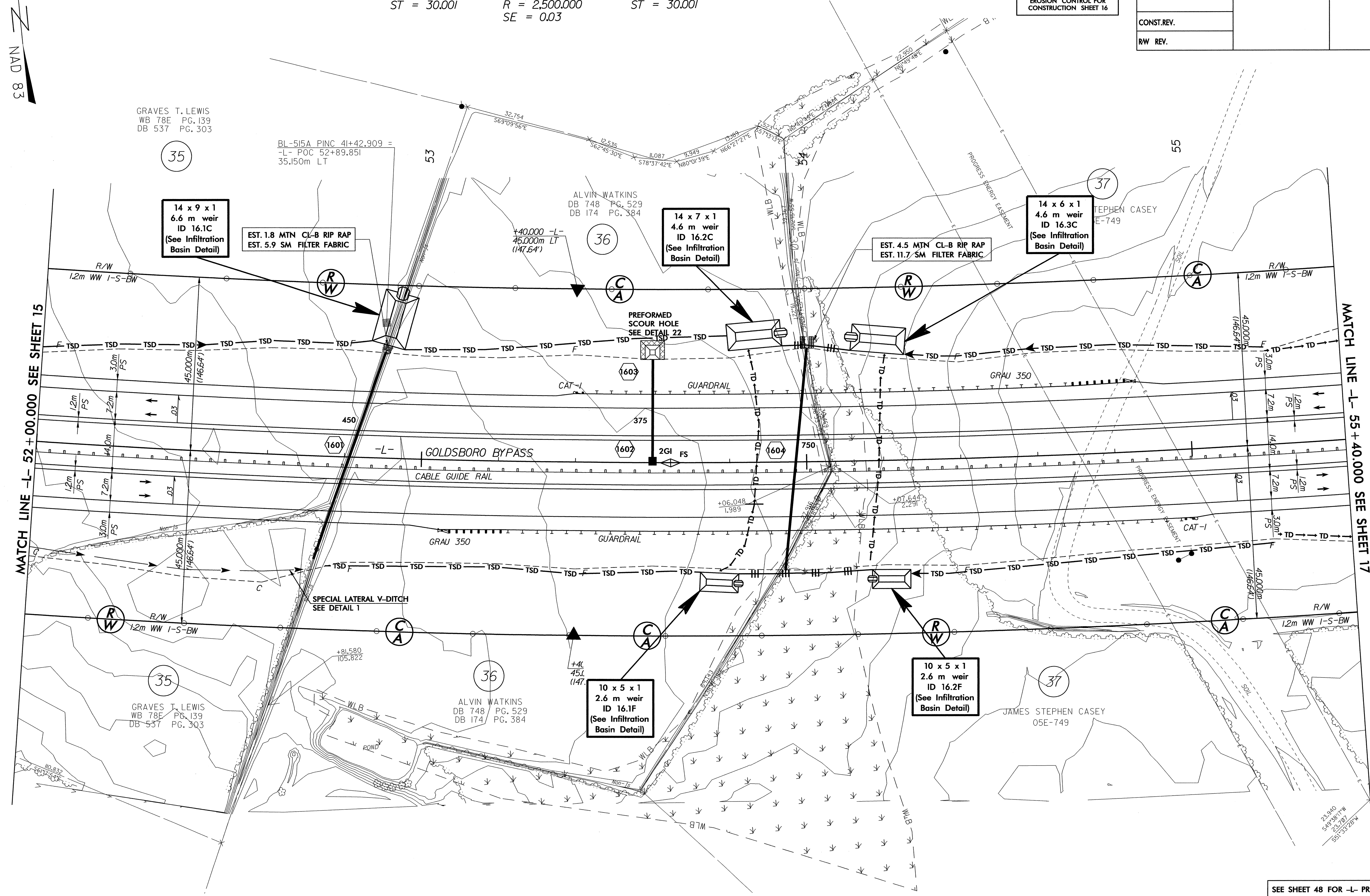
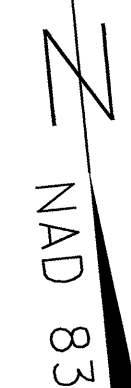
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 16

CONST. REV.

|     |     |
|-----|-----|
| RAW | REV |
|-----|-----|

|                          |                               |                          |
|--------------------------|-------------------------------|--------------------------|
| <i>Pls Sta 42+31.878</i> | <i>Pl Sta 51+64.793</i>       | <i>Pls Sta 60+24.817</i> |
| <i>Θs = 9° 0' 52.8"</i>  | <i>Δ = 39° 42' 57.7" (LT)</i> | <i>Θs = 9° 0' 52.8"</i>  |
| <i>Ls = 90.000</i>       | <i>L = 1,732.939</i>          | <i>Ls = 90.000</i>       |
| <i>LT = 60.001</i>       | <i>T = 902.916</i>            | <i>LT = 60.001</i>       |
| <i>ST = 30.001</i>       | <i>R = 2,500.000</i>          | <i>ST = 30.001</i>       |
|                          | <i>SE = 0.03</i>              |                          |



OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 48 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

|              |             |         |
|--------------|-------------|---------|
| FILE:        | \$FILE\$    | \$TIMES |
| DATE:        | \$DATE\$    |         |
| PLOT DRIVER: | \$PLTDVLS\$ |         |
| PEN TABLE:   | \$PENTBLS\$ |         |

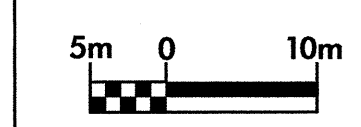




|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-18/CONST.17      |
| R/W SHEET NO. 17        |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| CONST. REV.             |                     |
| R/W REV.                |                     |

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

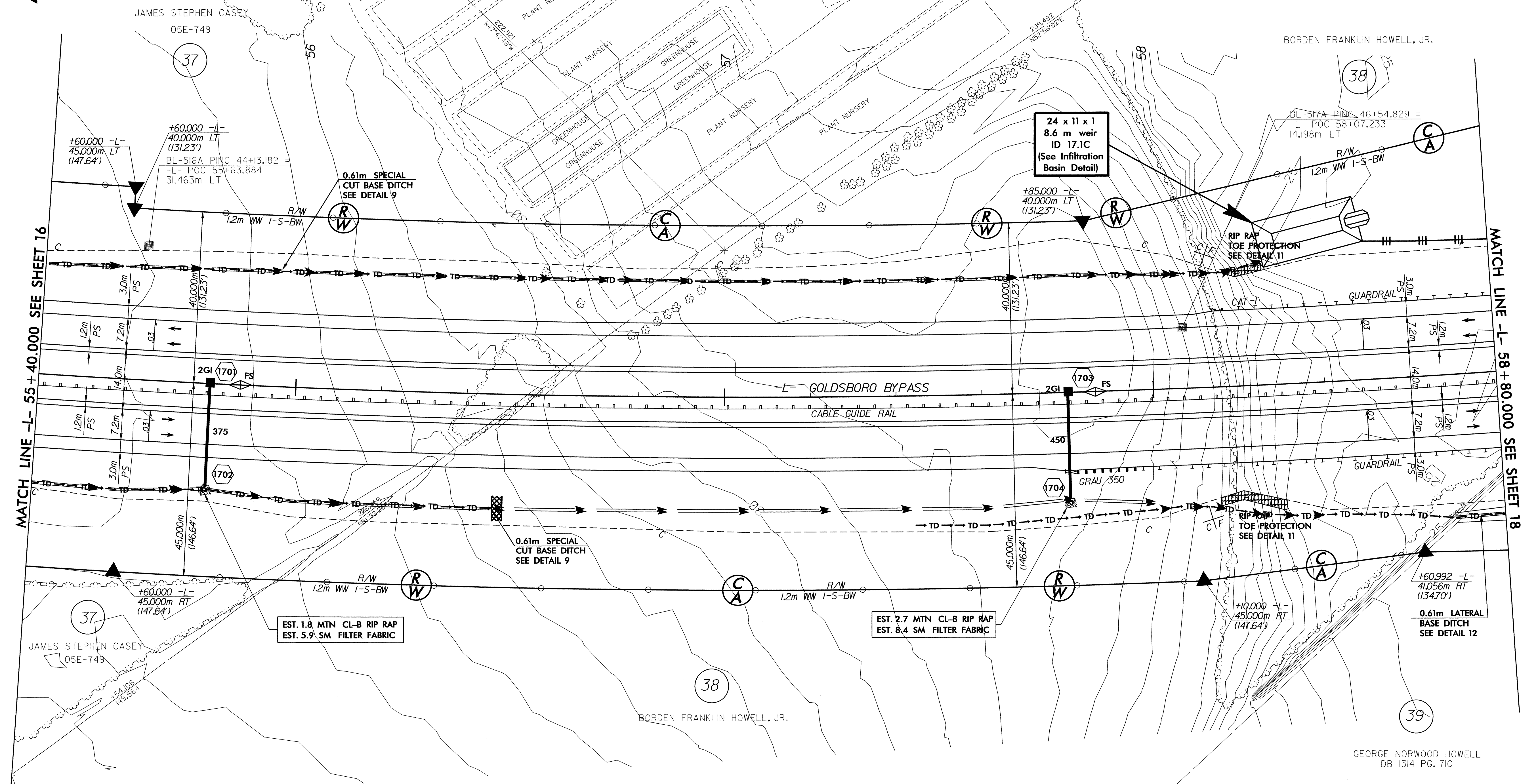
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 17



37

LEE R CASEY  
DB 1321 PG 630

NAD 83



MATCH LINE -L- 55+40.000 SEE SHEET 16

MATCH LINE -L- 58+80.000 SEE SHEET 18

|                                   |                                       |                                   |
|-----------------------------------|---------------------------------------|-----------------------------------|
| Pls Sta 42+31.878                 | Pl Sta 51+64.793                      | Pls Sta 60+24.817                 |
| $\theta_s = 1^{\circ} 01' 52.8''$ | $\Delta = 39^{\circ} 42' 57.7''$ (LT) | $\theta_s = 1^{\circ} 01' 52.8''$ |
| Ls = 90.000                       | L = 1,732.939                         | Ls = 90.000                       |
| LT = 60.001                       | T = 902.916                           | LT = 60.001                       |
| ST = 30.001                       | R = 2,500.000                         | ST = 30.001                       |
|                                   | SE = 0.03                             |                                   |

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 49 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRVS  
PEN TABLE: SPENRTALLS



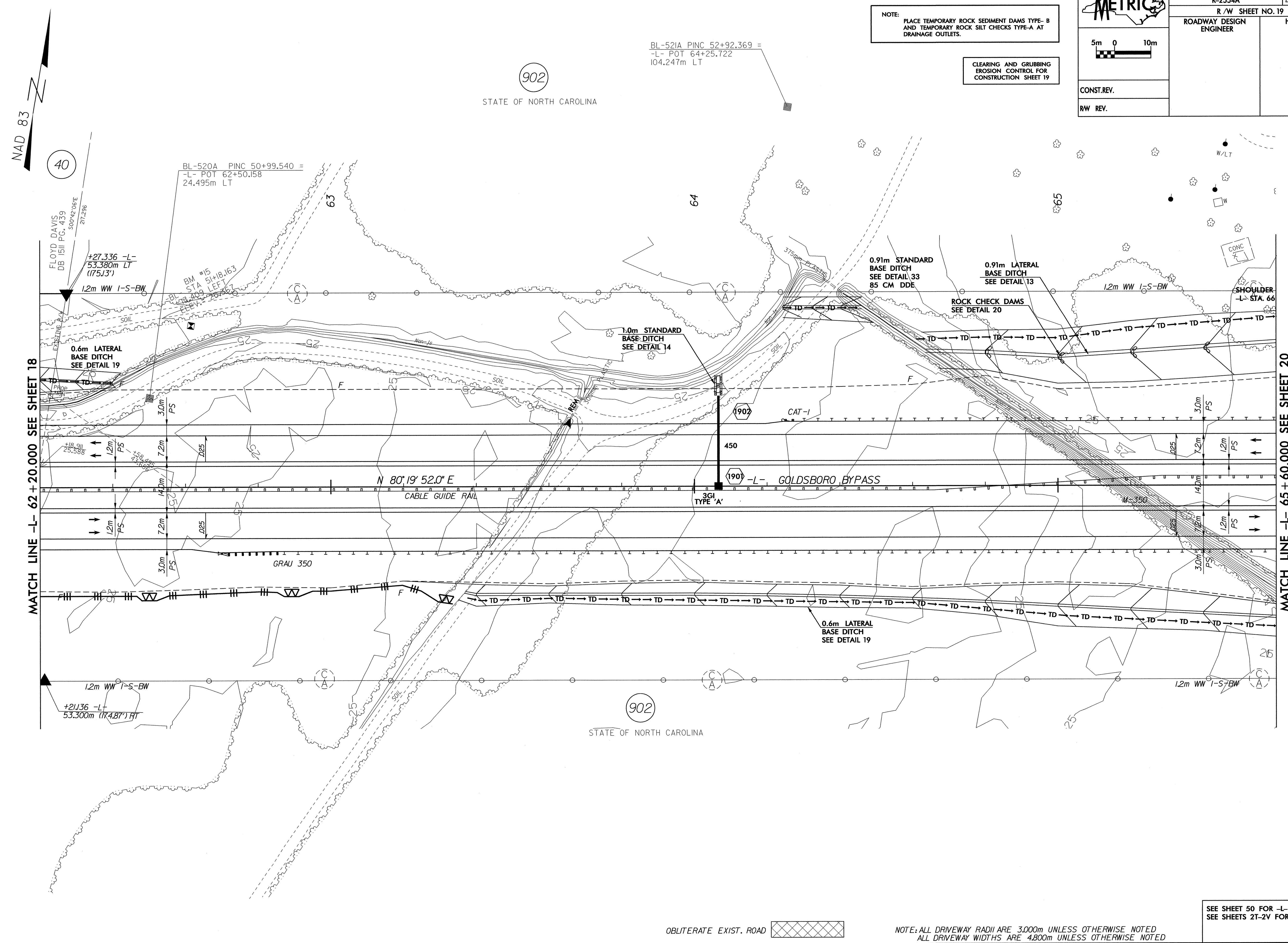




|                                                                                                                         |                                  |                             |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| <br>5m 0 10m<br>CONST.REV.<br>RW REV. | PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-20/CONST.19 |
|                                                                                                                         | R /W SHEET NO. 19                |                             |
|                                                                                                                         | 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 19



FILE: \$FILES\$  
DATE: \$DATES\$  
PLOT DRIVER: \$PLOTDRVS\$  
PEN TABLE: \$PENTALLS\$

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

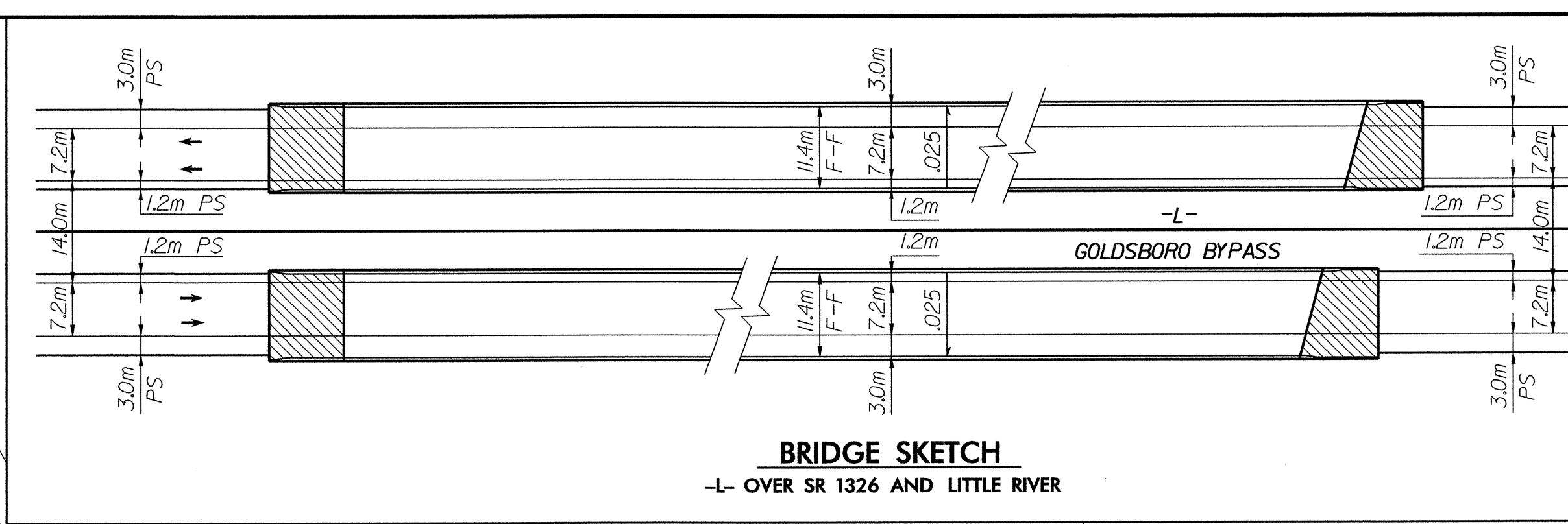
SEE SHEET 50 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS



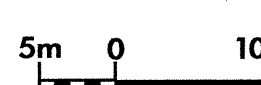
NAD 83

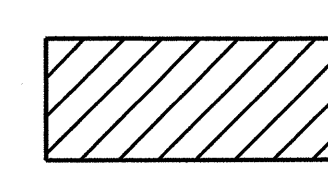
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 20



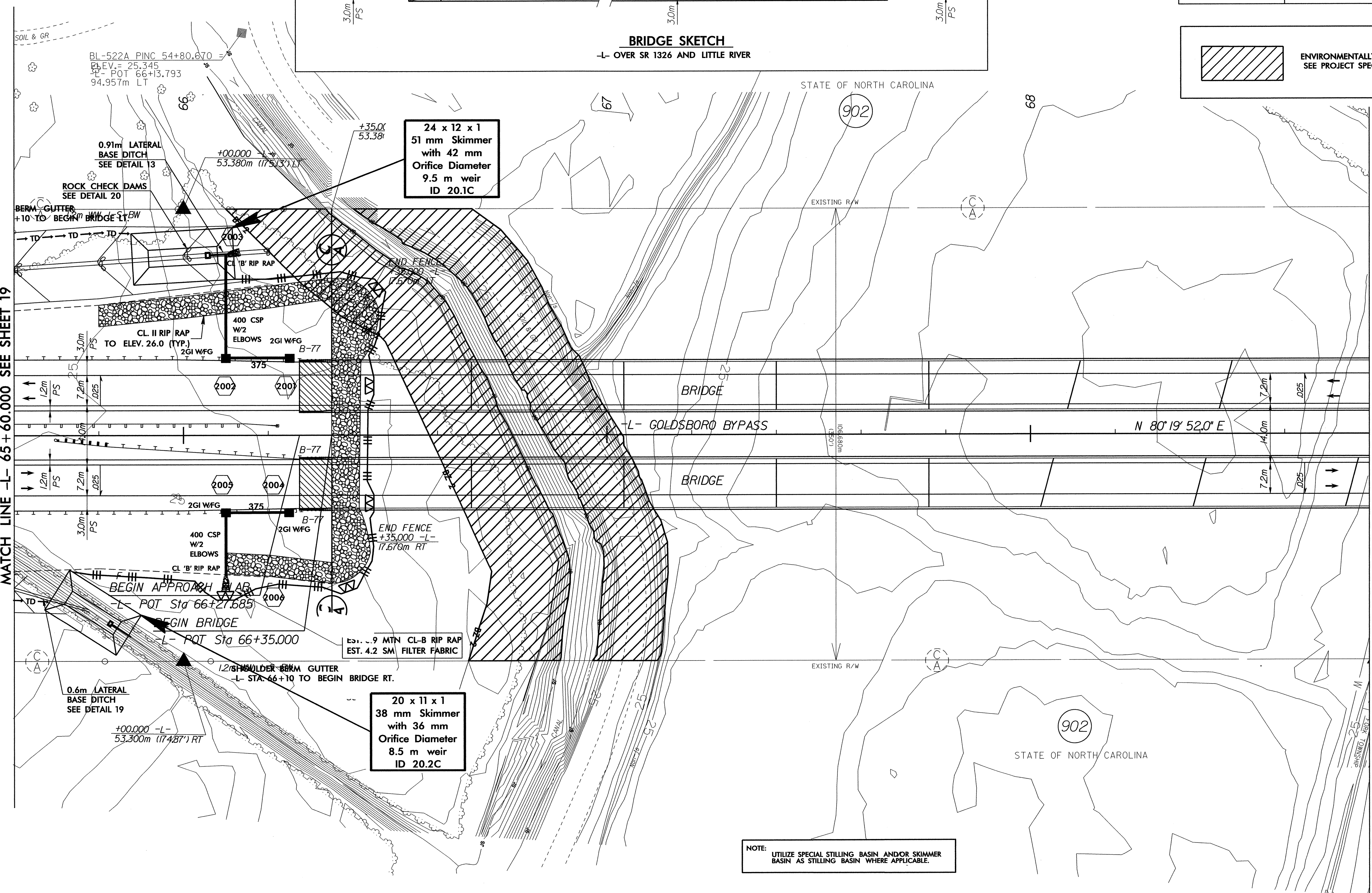
BRIDGE SKETCH  
-L- OVER SR 1326 AND LITTLE RIVER

|                                                                                                                                                                                                    |                                  |                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
| <br><br>CONST.REV.<br>RW REV. | PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-21/CONST.20 |
|                                                                                                                                                                                                    | R/W SHEET NO. 20                 |                             |
|                                                                                                                                                                                                    | ROADWAY DESIGN ENGINEER          | HYDRAULICS ENGINEER         |

 ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

MATCH LINE -L- 65+60.000 SEE SHEET 19

MATCH LINE -L- 68+80.000 SEE SHEET 21



NOTE: UTILIZE SPECIAL STILLING BASIN AND/OR SKIMMER BASIN AS STILLING BASIN WHERE APPLICABLE.

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

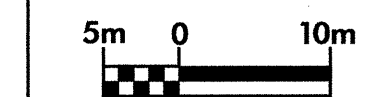
SEE SHEET 50 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: 04/11/2011  
DRAWN: J. S. S. S.  
CHECKED: J. S. S. S.  
PER: J. S. S. S.



| FILE:        | \$FILE\$  | \$TIMES |
|--------------|-----------|---------|
| DATE:        | \$DATES   |         |
| PLOT DRIVER: | \$PLTDVLS |         |
| PEN TABLE:   | \$PENTBLS |         |

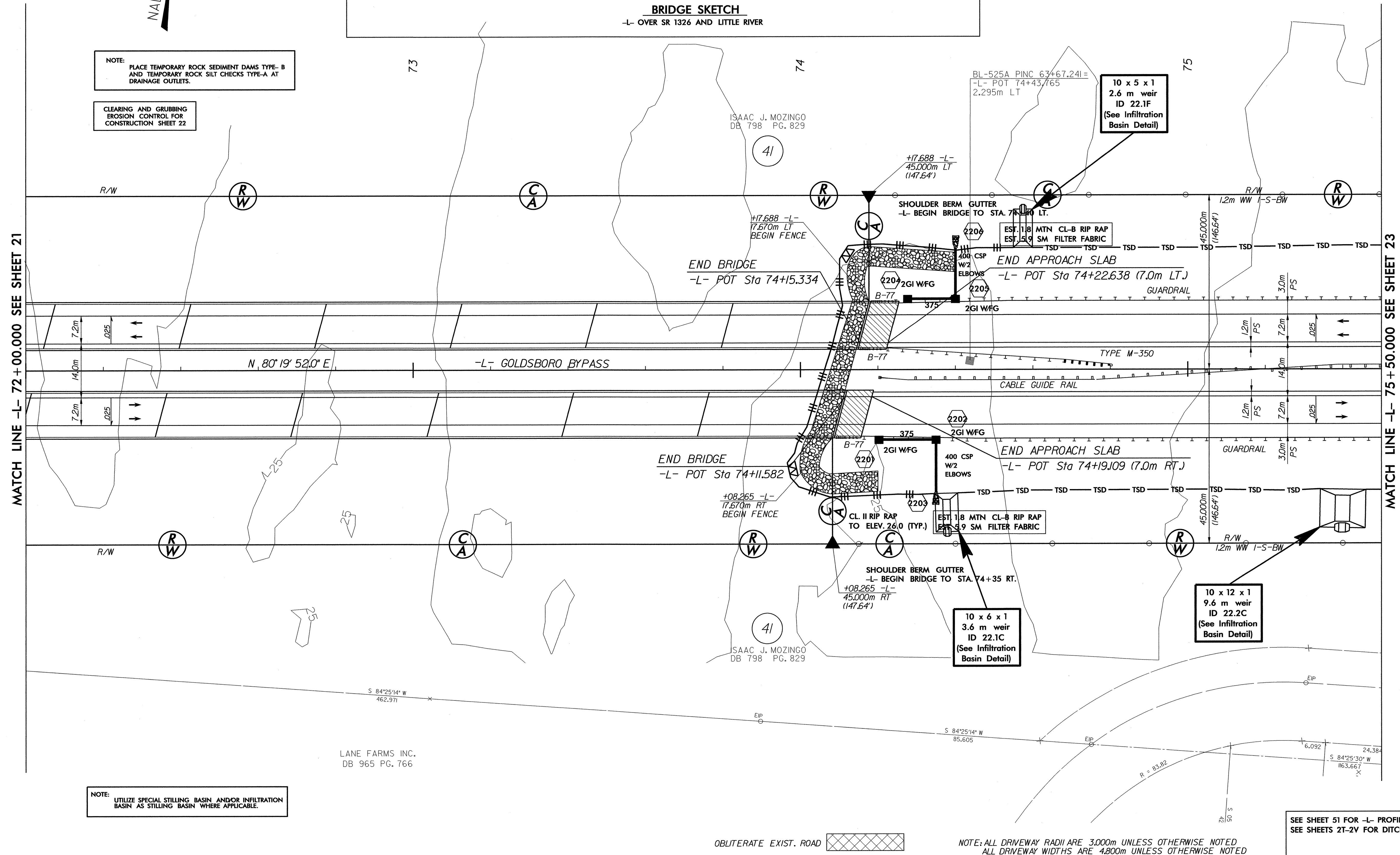




|            |
|------------|
| CONST.REV. |
| R/W REV.   |



**CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 22**



| FILE:        | \$FILE\$    |         |
|--------------|-------------|---------|
| DATE:        | \$DATES     | \$TIMES |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBL\$  |         |

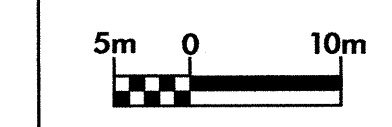
SEE SHEET 51 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

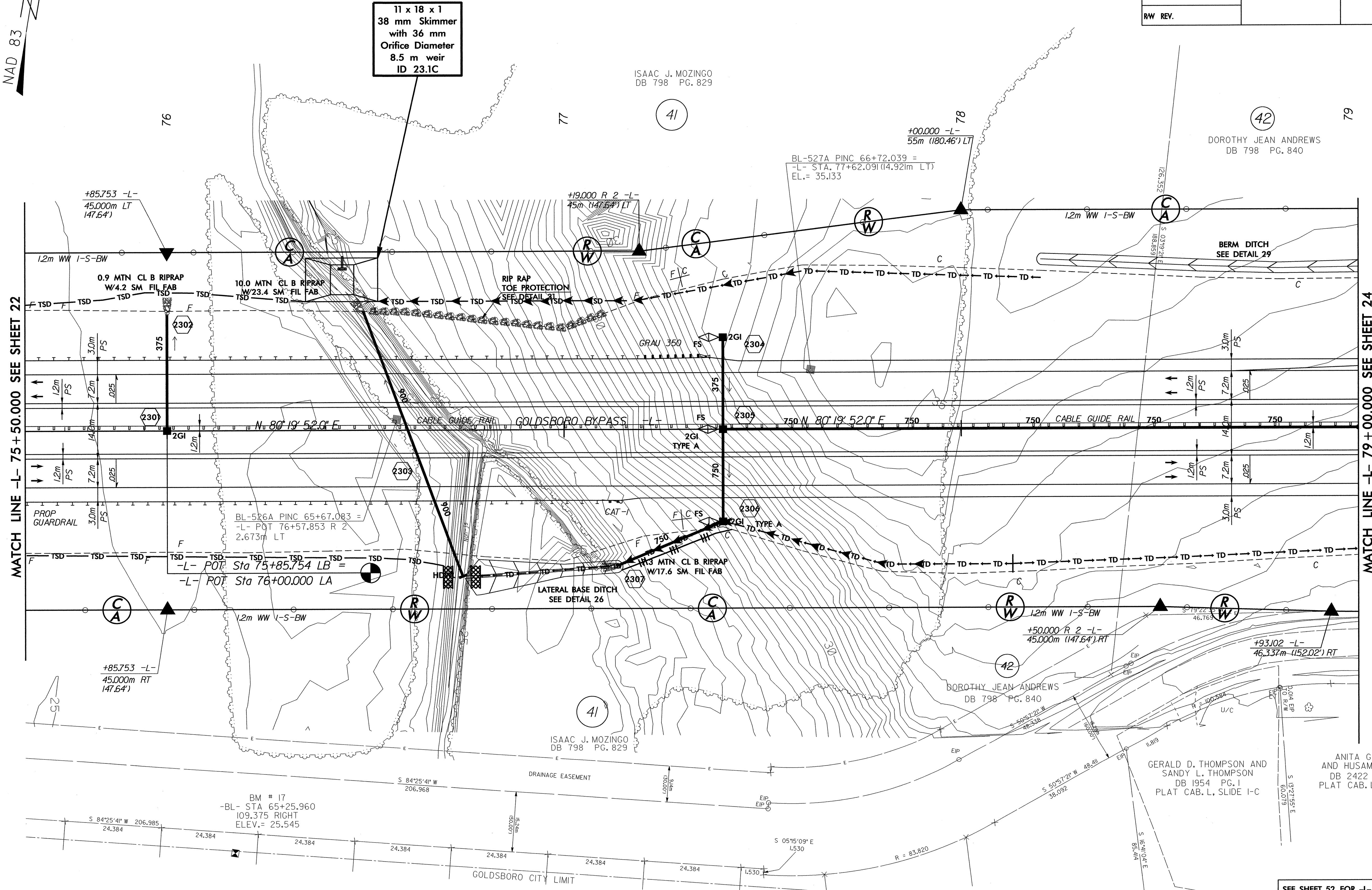


NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 23



NAD 83



MATCH LINE -L- 75+50.000 SEE SHEET 22

MATCH LINE -L- 79+00.000 SEE SHEET 24

11 x 18 x 1  
38 mm Skimmer  
with 36 mm  
Orifice Diameter  
8.5 m weir  
ID 23.1C

BL-527A PINC 66+72.039 =  
-L- STA. 77+62.091 (14.921m LT)  
EL.= 35.133

BL-526A PINC 65+67.083 =  
-L- POT 76+57.853 R 2  
2.673m LT

-L- POT Sta 75+85.754 LB =  
-L- POT Sta 76+00.000 LA

LATERAL BASE DITCH  
SEE DETAIL 26

BERM DITCH  
SEE DETAIL 29

ISAAC J. MOZINGO  
DB 798 PG. 829

DOROTHY JEAN ANDREWS  
DB 798 PG. 840

GERALD D. THOMPSON  
AND SANDY L. THOMPSON  
DB 1954 PG. 1  
PLAT CAB. L, SLIDE I-C

ANITA G. YOUSIF  
AND HUSAM A. YOUSIF  
DB 2422 PG. 363  
PLAT CAB. L, SLIDE I-C

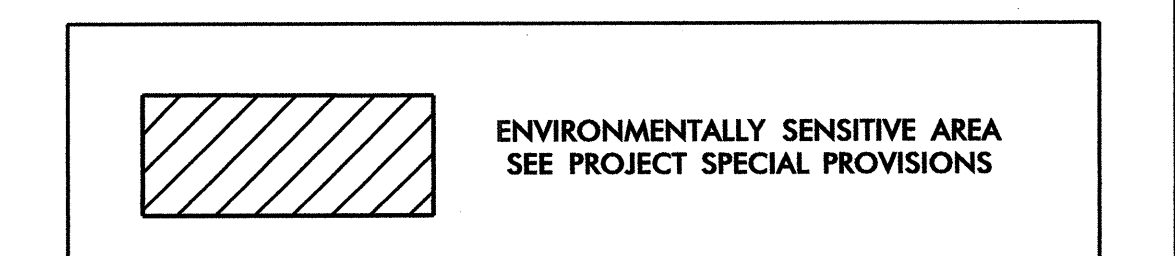
BM # 17  
-BL- STA 65+25.960  
109.375 RIGHT  
ELEV.= 25.545

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

FILE: SFLELS  
DATE: 04/25/2017  
PLOT DRIVER: SPRINTS  
PEN TABLE: SPRINTS





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 24

-L-

|                                                                                                   |                                                                                                                       |                                                                                                   |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Pls Sta 81+78.037<br>$\Delta s = 0^\circ 41' 15.2''$<br>Ls = 60.000<br>LT = 40.000<br>ST = 20.000 | Pls Sta 86+56.056<br>$\Delta = 20^\circ 45' 49.6''$ (RT)<br>L = 905.991<br>T = 458.019<br>R = 2,500.000<br>SE = 0.025 | Pls Sta 91+24.028<br>$\Delta s = 0^\circ 41' 15.2''$<br>Ls = 60.000<br>LT = 40.000<br>ST = 20.000 |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|

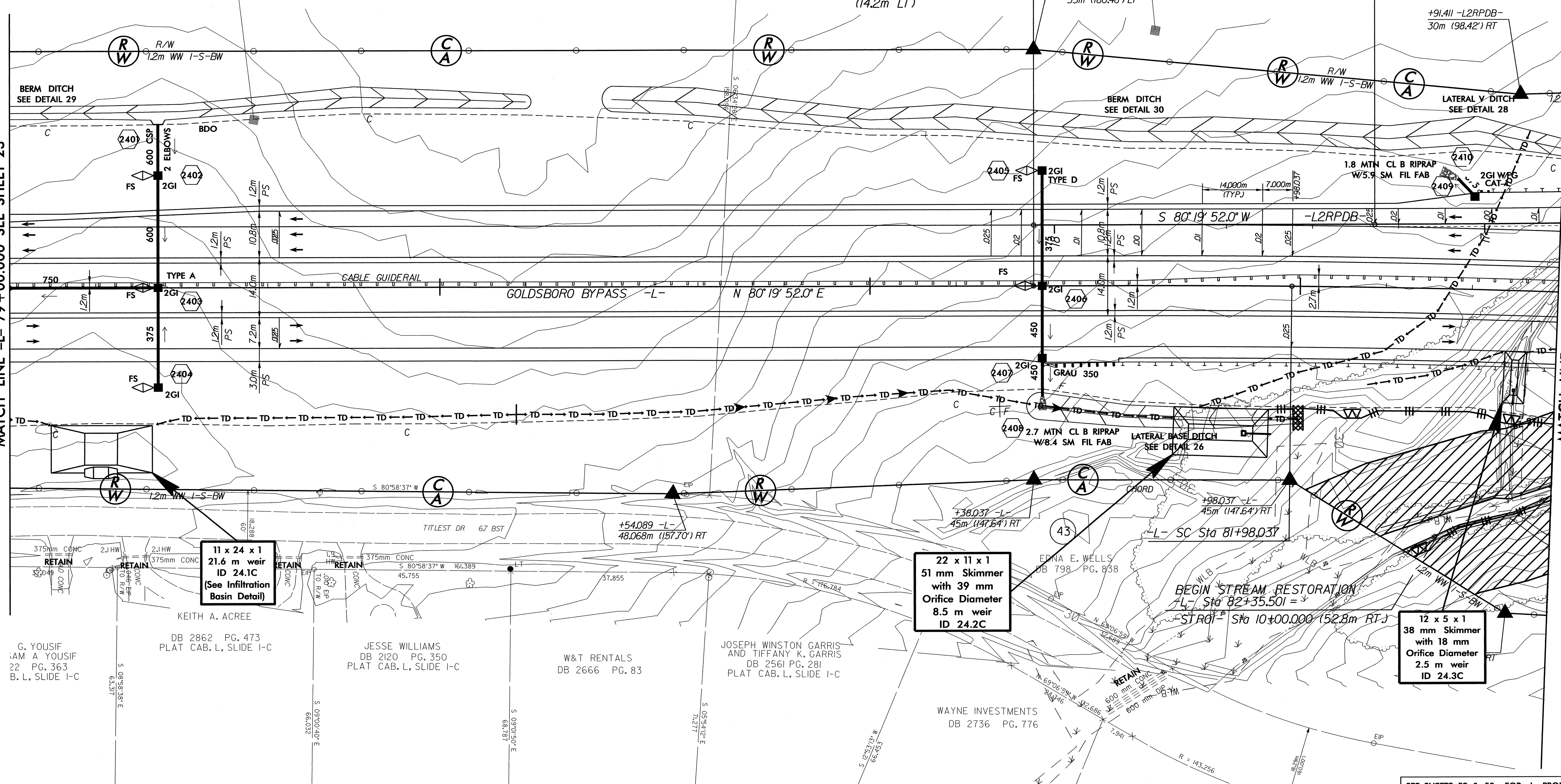
BL-528A PINC 68+68.228 =  
-L- STA. 79+56.796 (39.002m LT)  
EL.= 33.966

BL-529A PINC 70+78.743 =  
-L- STA. 81+66.176 (59.304m LT)  
EL.= 33.560

EDNA E. WELLS  
DB 798 PG. 838

MATCH LINE -L- 79+00.000 SEE SHEET 23

MATCH LINE -L- 82+60.000 SEE SHEET 25



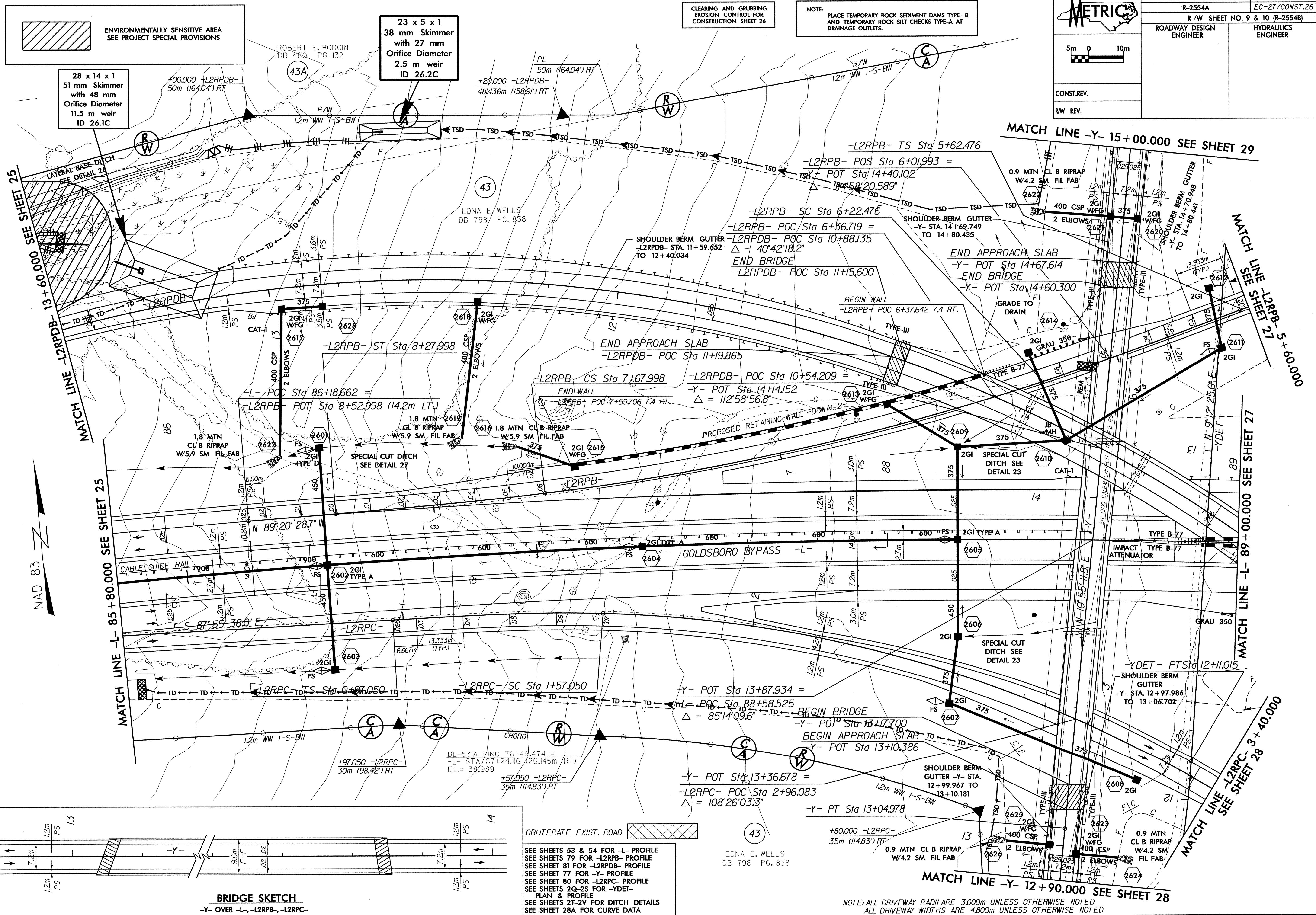
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED.

FILES: STIMES  
DATE: 01/11/2024  
PLOT DRIVER: SPRINTS  
PEN TABLE: SPRINTS

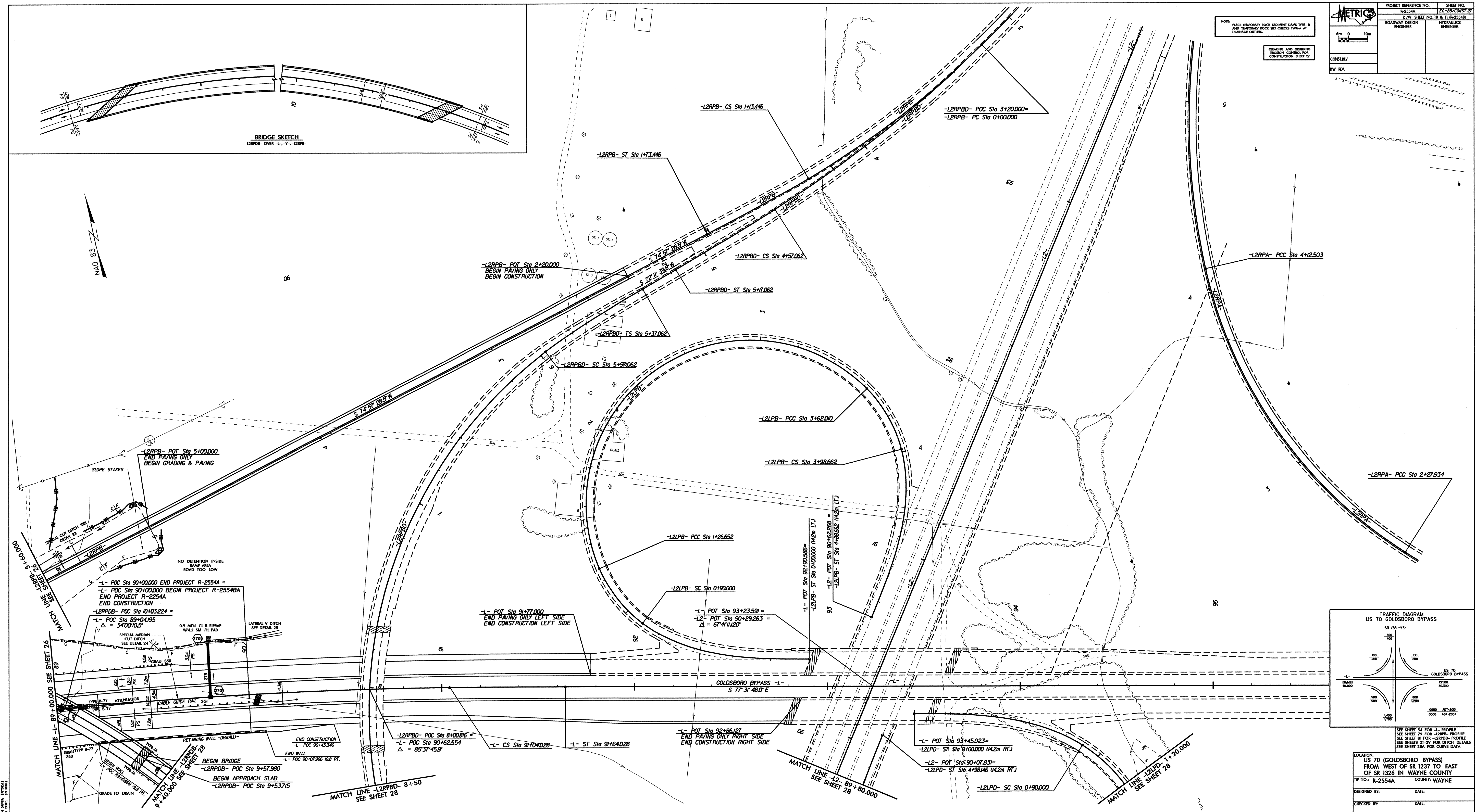






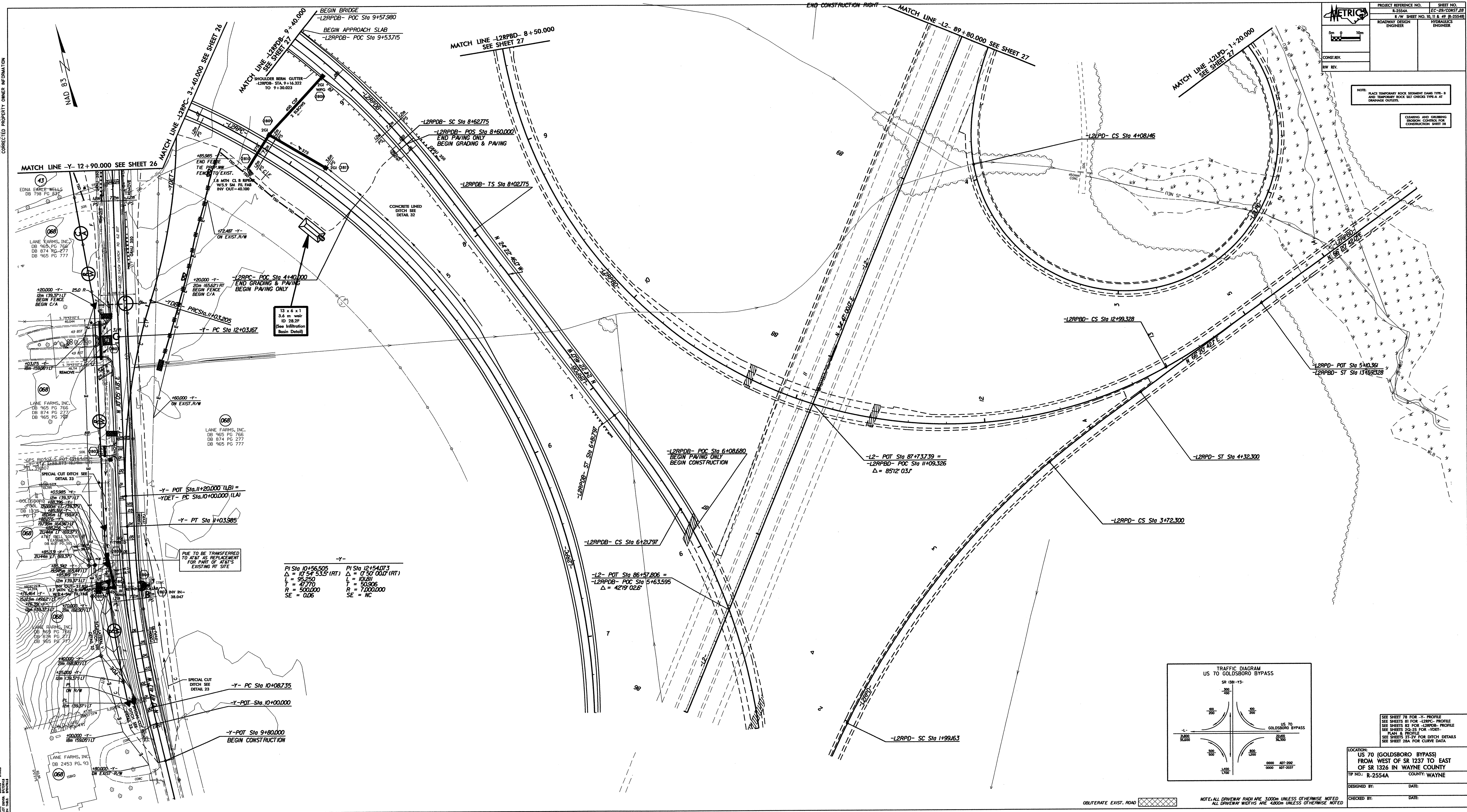




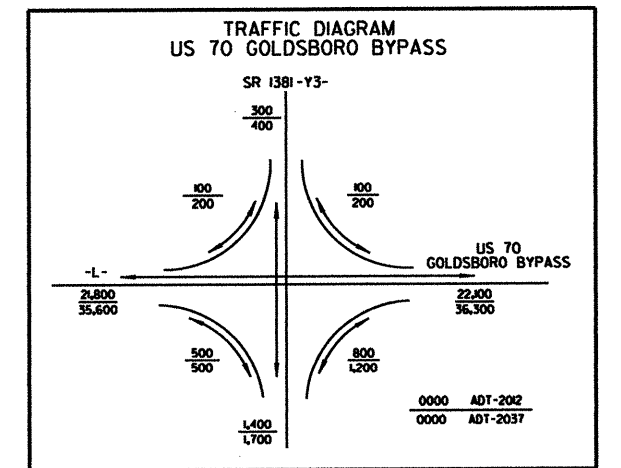




P/W REV. 02/2/02 MONUMENTS - PARCEL 68  
P/W REV. 12/2/01 CORRECTED PROPOSED R/W AND PDE - PARCEL 68  
CORRECTED PARCELS 67, 68 & 69 TO FORM PARCEL 068  
P/W REV. 02/2/02 CORRECTED PROPERTY OWNER INFORMATION



|                                      |                                     |
|--------------------------------------|-------------------------------------|
| PI Sta 10+56.505                     | PI Sta 12+54.073                    |
| $\Delta = 10^{\circ} 54' 53.5"$ (RT) | $\Delta = 0^{\circ} 30' 00.0"$ (RT) |
| L = 95.250                           | L = 10.811                          |
| T = 47.770                           | T = 50.906                          |
| R = 500.000                          | R = 7,000.000                       |
| SE = 0.02                            | SE = NC                             |



|                                  |                            |
|----------------------------------|----------------------------|
| PROJECT REFERENCE NO.<br>R-2554A | SHEET NO.<br>EC-29/CONV.28 |
| ROADWAY DESIGN ENGINEER          | HYDRAULICS ENGINEER        |

NOTE: PLACE TEMPORARY ROCK BERM TYPE-B  
AND TEMPORARY ROCK BELT CHECKS TYPE-A AT  
DRAINAGE CUTTERS.

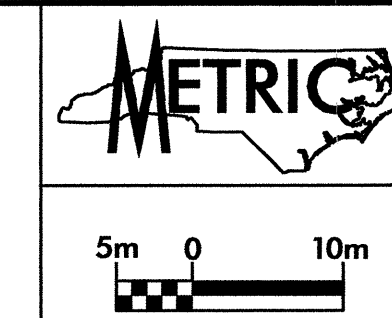
CLEARING AND GRUBBING  
WORKING CONTROL R/W  
CONSTRUCTION SHEET 28

SEE SHEET 78 FOR -Y- PROFILE  
SEE SHEET 81 FOR -L2RPPC- PROFILE  
SEE SHEET 82 FOR -L2RPDB- PROFILE  
SEE SHEET 83 FOR -L2- PROFILE  
SEE SHEET 84 FOR -L2RPD- PROFILE  
SEE SHEET 85 FOR -L2- PROFILE  
SEE SHEET 86 FOR -L2- PROFILE  
SEE SHEET 87 FOR -L2- PROFILE  
SEE SHEET 88 FOR -L2- PROFILE  
SEE SHEET 89 FOR -L2- PROFILE  
SEE SHEET 90 FOR -L2- PROFILE  
SEE SHEET 91 FOR -L2- PROFILE  
SEE SHEET 92 FOR -L2- PROFILE  
SEE SHEET 93 FOR -L2- PROFILE  
SEE SHEET 94 FOR -L2- PROFILE  
SEE SHEET 95 FOR -L2- PROFILE  
SEE SHEET 96 FOR -L2- PROFILE  
SEE SHEET 97 FOR -L2- PROFILE  
SEE SHEET 98 FOR -L2- PROFILE  
SEE SHEET 99 FOR -L2- PROFILE  
SEE SHEET 100 FOR -L2- PROFILE

LOCATION:  
US 70 (GOLDSBORO BYPASS)  
FROM WEST OF SR 1237 TO EAST  
OF SR 1236 IN WAYNE COUNTY

DESIGNED BY: DATE:  
CHECKED BY: DATE:



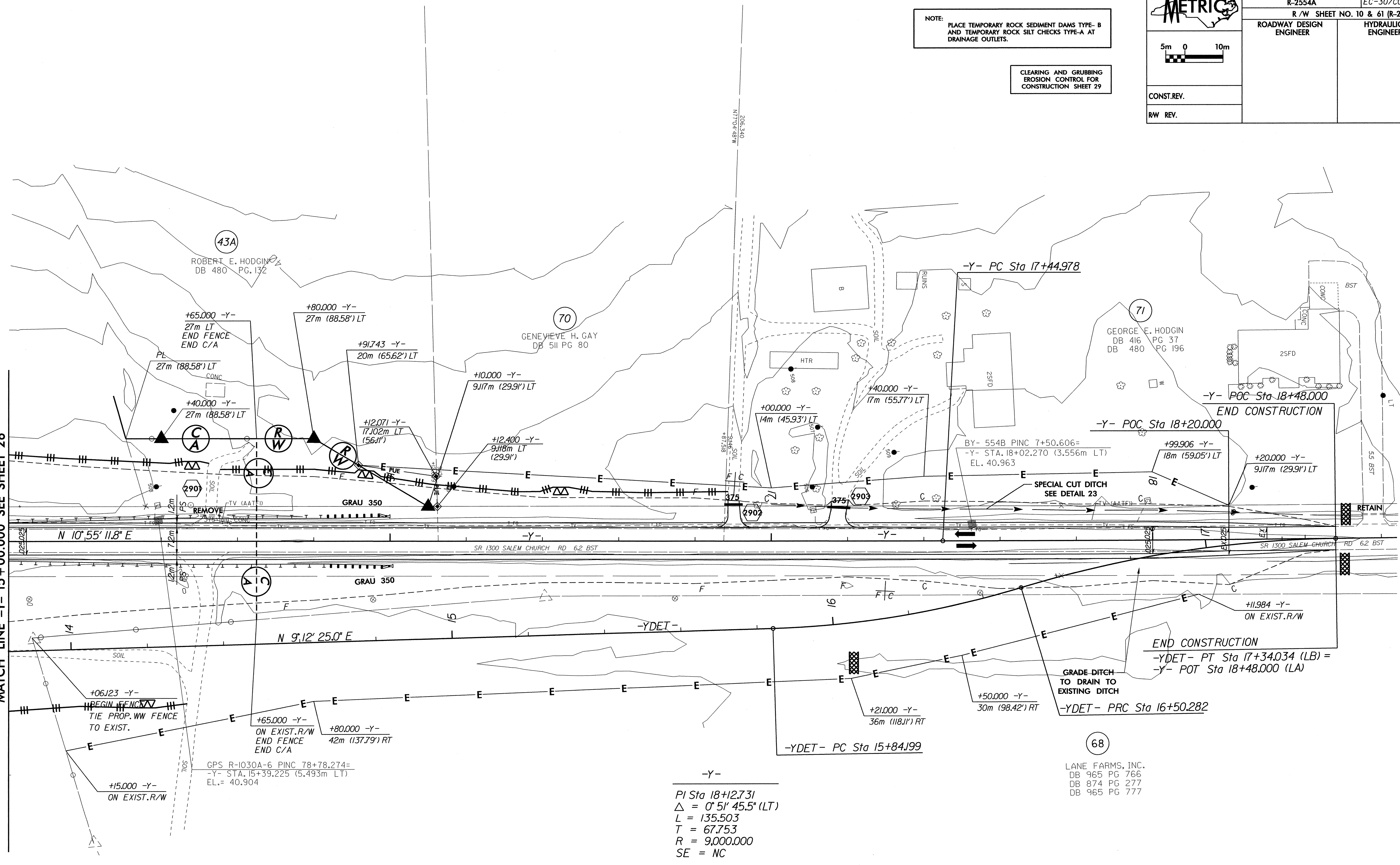


|                                 |  |                     |
|---------------------------------|--|---------------------|
| PROJECT REFERENCE NO.           |  | SHEET NO.           |
| R-2554A                         |  | EC-30/CONST.29      |
| R/W SHEET NO. 10 & 61 (R-2554B) |  |                     |
| ROADWAY DESIGN ENGINEER         |  | HYDRAULICS ENGINEER |
| CONST.REV.                      |  |                     |
| RW REV.                         |  |                     |

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 29

MATCH LINE -Y- 15+00.000 SEE SHEET 26



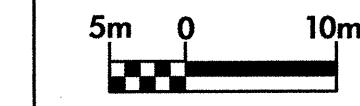
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 78 & 79 FOR -Y- PROFILE  
SEE SHEETS 2Q-2S FOR -YDET- PLAN & PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

FILE: SFILES STIMES  
DATE: 04/11/2011  
DRAWN: J. SPENTILLI  
PEN TABLE:





CONST. REV.  
RW REV.

| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-31/CONST.30      |
| R / W SHEET NO. 24      |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

-DWY2-

PI Sta 10+11.432  
 $\Delta = 19' 26' 37.4''$  (RT)  
L = 10.181  
T = 5.140  
R = 30.000

PI Sta 10+30.571  
 $\Delta = 31' 29' 35.5''$  (LT)  
L = 27.483  
T = 14.098  
R = 50.000

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 30

7 x 3 x 1  
1.2 m weir  
ID 30.2C  
(See Infiltration  
Basin Detail)

LEHMAN SMITH, et ux  
DB 906 PG. 675

TRUSTEES OF TRINITY  
BAPTIST CHURCH  
DB 980 PG. 65

JAMES B. PAYNE, JR.

WILLIAM COX  
DB 1357 PG. 701  
PLAT CAB. A, SLIDE 142-AA

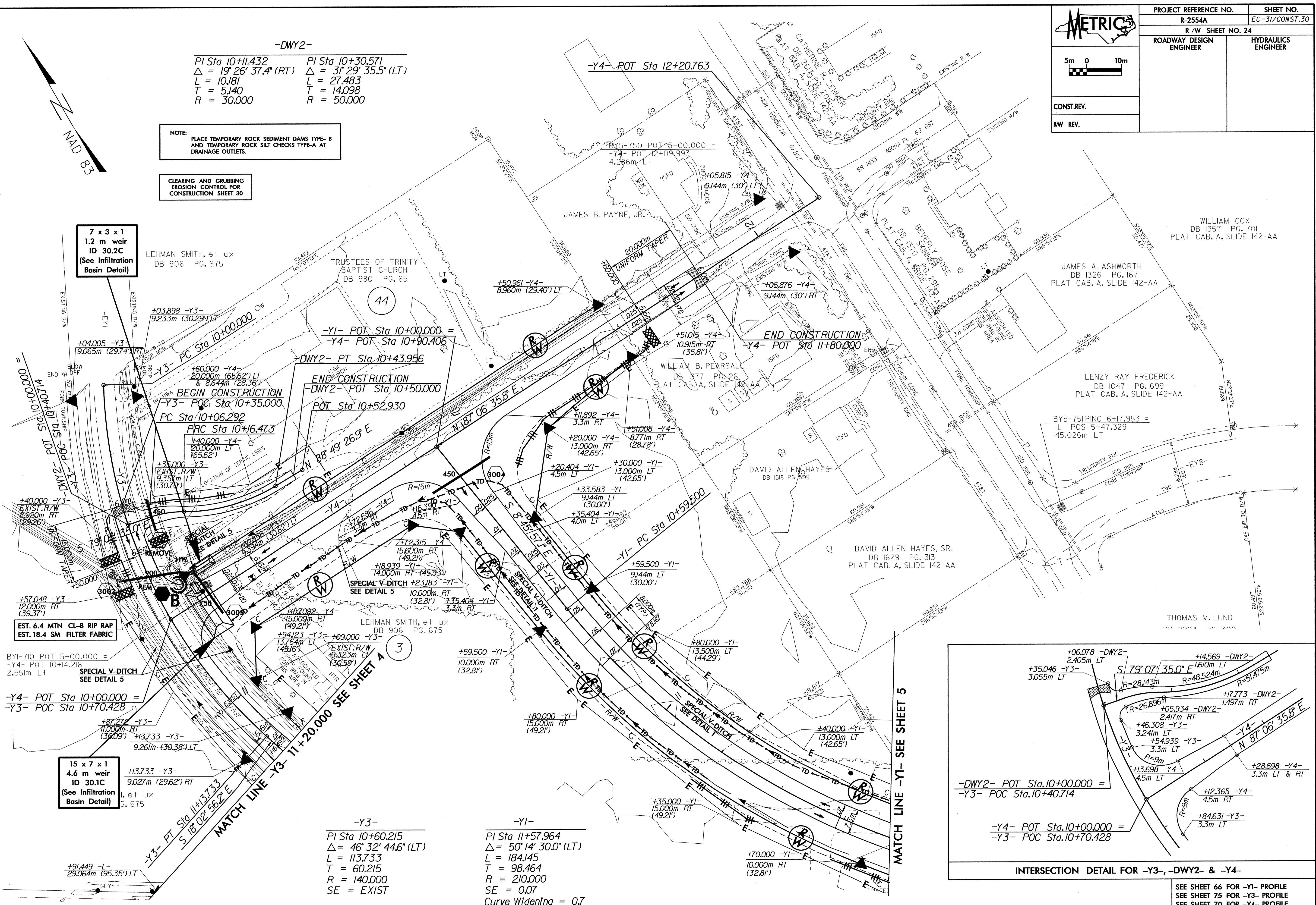
JAMES A. ASHWORTH  
DB 1326 PG. 167  
PLAT CAB. A, SLIDE 142-AA

LENZY RAY FREDERICK  
DB 1047 PG. 699  
PLAT CAB. A, SLIDE 142-AA

BY5-751PINC 6+17.953 =  
-L- POS 5+47.329  
145.026m LT

DAVID ALLEN HAYES, SR.  
DB 1629 PG. 313  
PLAT CAB. A, SLIDE 142-AA

THOMAS M. LUND  
DB 2004 PG. 700



BY1-710 POT 5+00.000 =  
-Y4- POT 10+14.216  
2.551m LT

-Y4- POT Sta 10+00.000 =  
-Y3- POC Sta 10+70.428

15 x 7 x 1  
4.6 m weir  
ID 30.1C  
(See Infiltration  
Basin Detail)

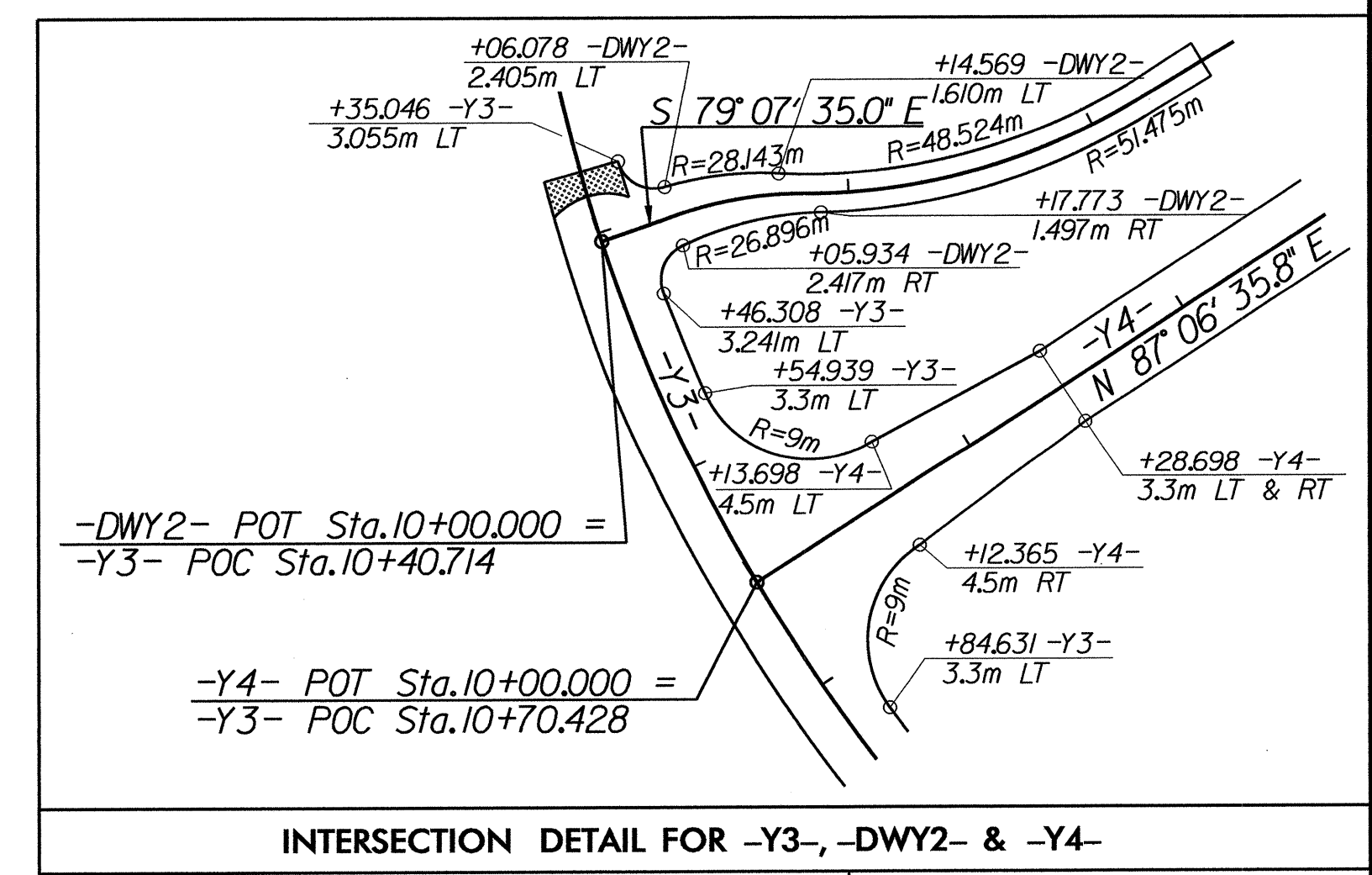
BY1-710 POT 5+00.000 =  
-Y4- POT 10+14.216  
2.551m LT

-Y3-  
PI Sta 10+60.215  
 $\Delta = 46' 32' 44.6''$  (LT)  
L = 113.733  
T = 60.215  
R = 140.000  
SE = EXIST

-Y1-  
PI Sta 11+57.964  
 $\Delta = 50' 14' 30.0''$  (LT)  
L = 184.145  
T = 98.464  
R = 210.000  
SE = 0.07  
Curve Widening = 0.7

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

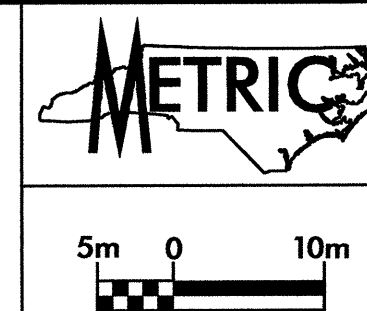


INTERSECTION DETAIL FOR -Y3-, -DWY2- & -Y4-

SEE SHEET 66 FOR -Y1- PROFILE  
SEE SHEET 75 FOR -Y3- PROFILE  
SEE SHEET 70 FOR -Y4- PROFILE  
SEE SHEET 75 FOR -DWY2- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: STIMES  
DATE: 10/1/03  
DRAWN: J. PERIN  
CHECKED: J. PERIN





5m 0 10m

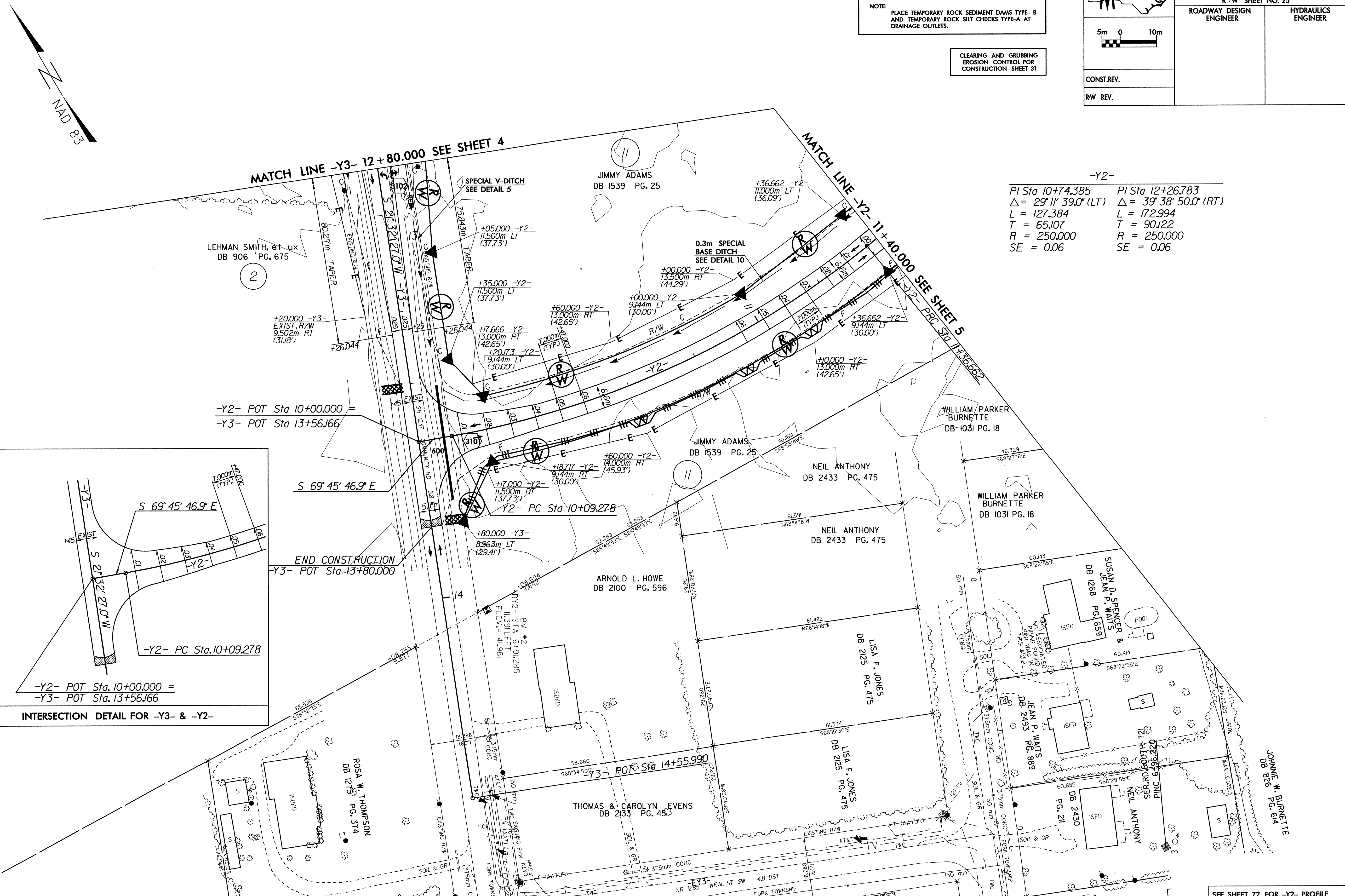
CONST. REV.

R/W REV.

| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-32/CONST.31      |
| R/W SHEET NO. 25        |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

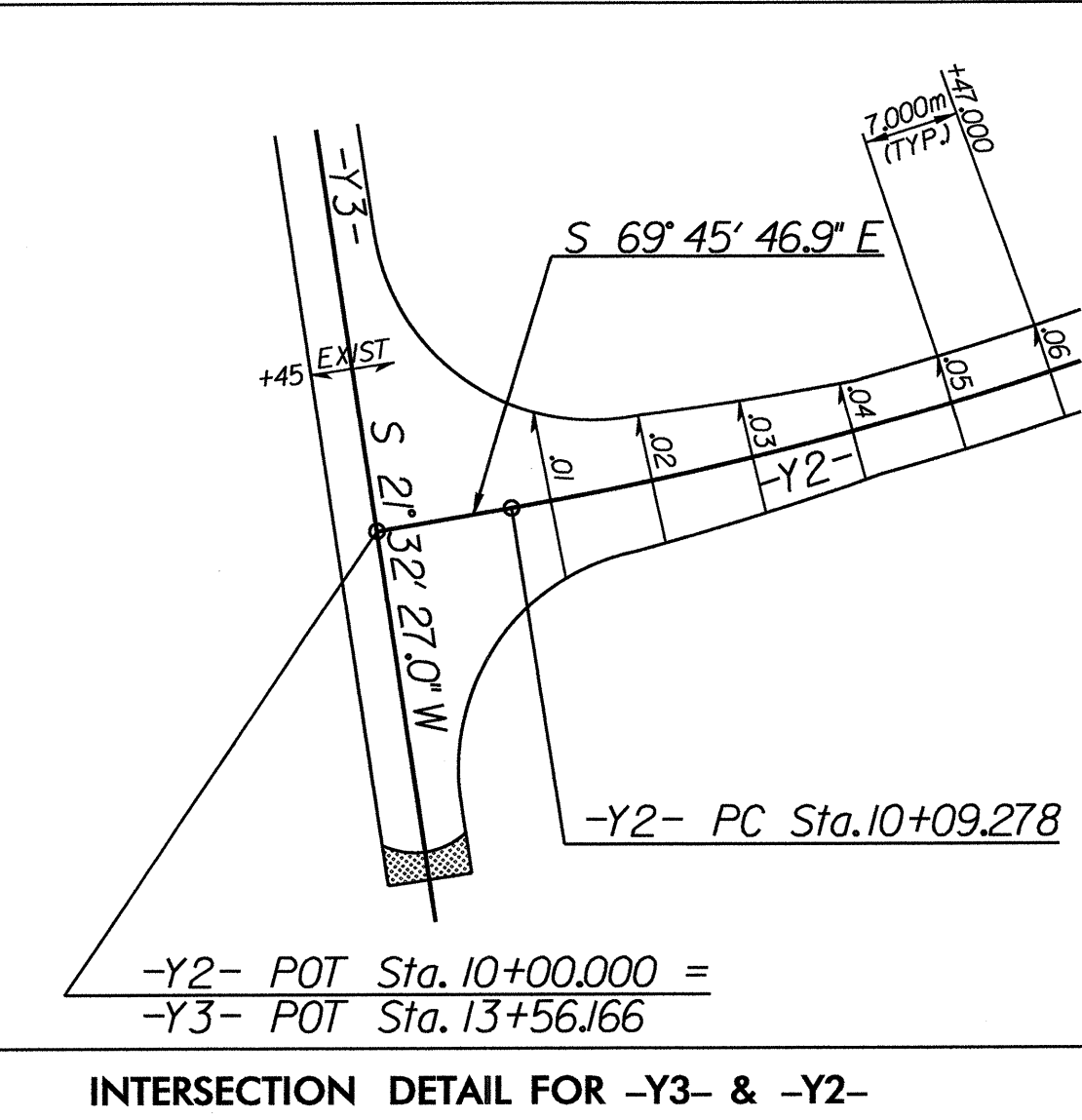
NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 31



-Y2-  
PI Sta 10+74.385  
 $\Delta = 29^{\circ} 11' 39.0''$  (LT)  
L = 127.384  
T = 65.107  
R = 250.000  
SE = 0.06

PI Sta 12+26.783  
 $\Delta = 39^{\circ} 38' 50.0''$  (RT)  
L = 172.994  
T = 90.122  
R = 250.000  
SE = 0.06



INTERSECTION DETAIL FOR -Y3- & -Y2-

SEE SHEET 72 FOR -Y2- PROFILE  
SEE SHEET 76 FOR -Y3- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

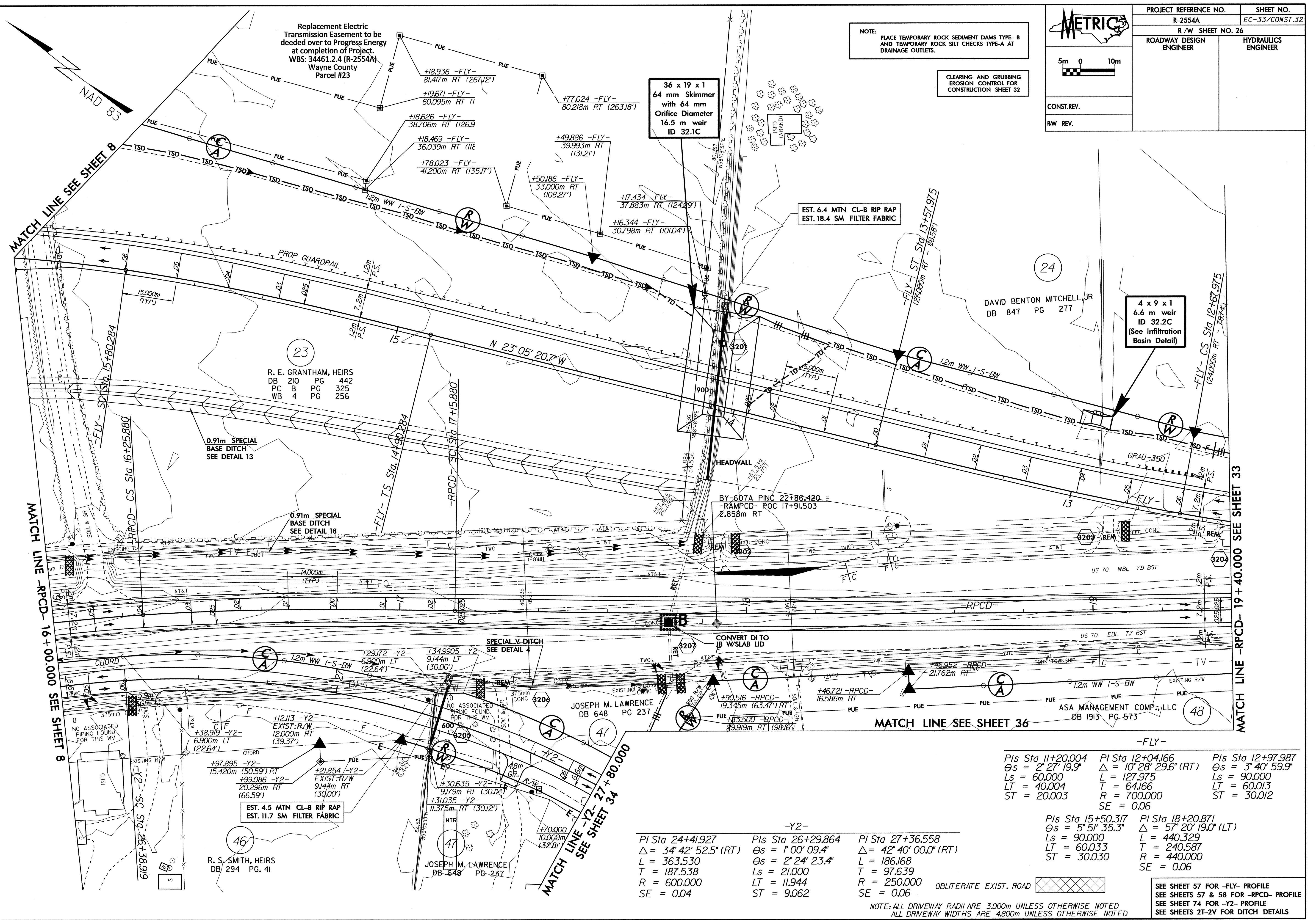
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

FILE: STIMES  
DATE: SPIDRVS  
PLOT DRIVER: SPIDRVS  
PEN TABLE: SPIDRVS



R/W REV. - 11/28/06  
CORRECTED PROPERTY OWNER INFORMATION  
REVISED R/W AND MONUMENTS ON PARCEL 47  
ADDED R/W MONUMENTS ALONG EXIST. R/W

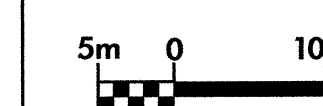
|              |            |         |
|--------------|------------|---------|
| FILE:        | \$FILES    | \$TIMES |
| DATE:        | \$DATES    |         |
| PLOT DRIVER: | \$PLTDRLVS |         |
| PEN TABLE:   | \$PENTBLIS |         |







|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-34/CONST.33      |
| R/W SHEET NO. 27        |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

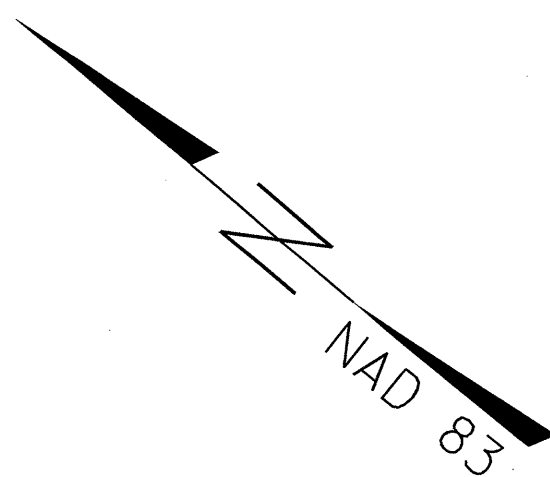


CONST.REV.

RW REV.

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



MATCH LINE -RPCD- 19+40.000 SEE SHEET 32

|                             |                                 |                             |
|-----------------------------|---------------------------------|-----------------------------|
| -FLY-                       |                                 |                             |
| Pls Sta 11+20.004           | Pls Sta 12+04.166               | Pls Sta 12+97.987           |
| $\Delta s = 2' 27'' 19.9''$ | $\Delta = 10' 28'' 29.6''$ (RT) | $\Delta s = 3' 40'' 59.9''$ |
| Ls = 60.000                 | L = 127.975                     | Ls = 90.000                 |
| LT = 40.004                 | T = 64.166                      | LT = 60.013                 |
| ST = 20.003                 | R = 700.000                     | ST = 30.012                 |
|                             | SE = 0.06                       |                             |
| -RPCD-                      |                                 |                             |
| Pls Sta 16+58.367           | Pls Sta 19+11.630               | Pls Sta 21+27.268           |
| $\Delta s = 0' 23'' 04.9''$ | $\Delta = 3' 20'' 49.2''$ (LT)  | $\Delta s = 0' 15'' 23.6''$ |
| $\Delta s = 4' 17'' 50.3''$ | L = 391.388                     | Ls = 60.000                 |
| Ls = 90.000                 | T = 195.750                     | LT = 40.000                 |
| LT = 57.557                 | R = 6,700.000                   | ST = 20.000                 |
| ST = 32.486                 | SE = NC                         |                             |

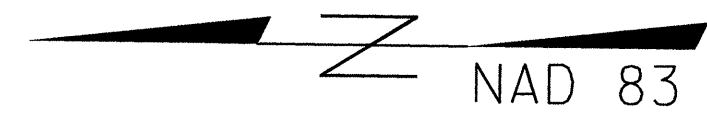
FILE: SFILES STIMES  
DATE: SDATES  
PLOT DRIVER: SPTDRVLS  
PEN TABLE: SPENBLLS

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

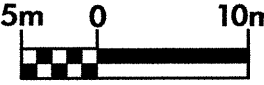
SEE SHEET 56 FOR -FLY- PROFILE  
SEE SHEET 55 FOR -RPCD- PROFILE  
SEE SHEETS 27-2V FOR DITCH DETAILS



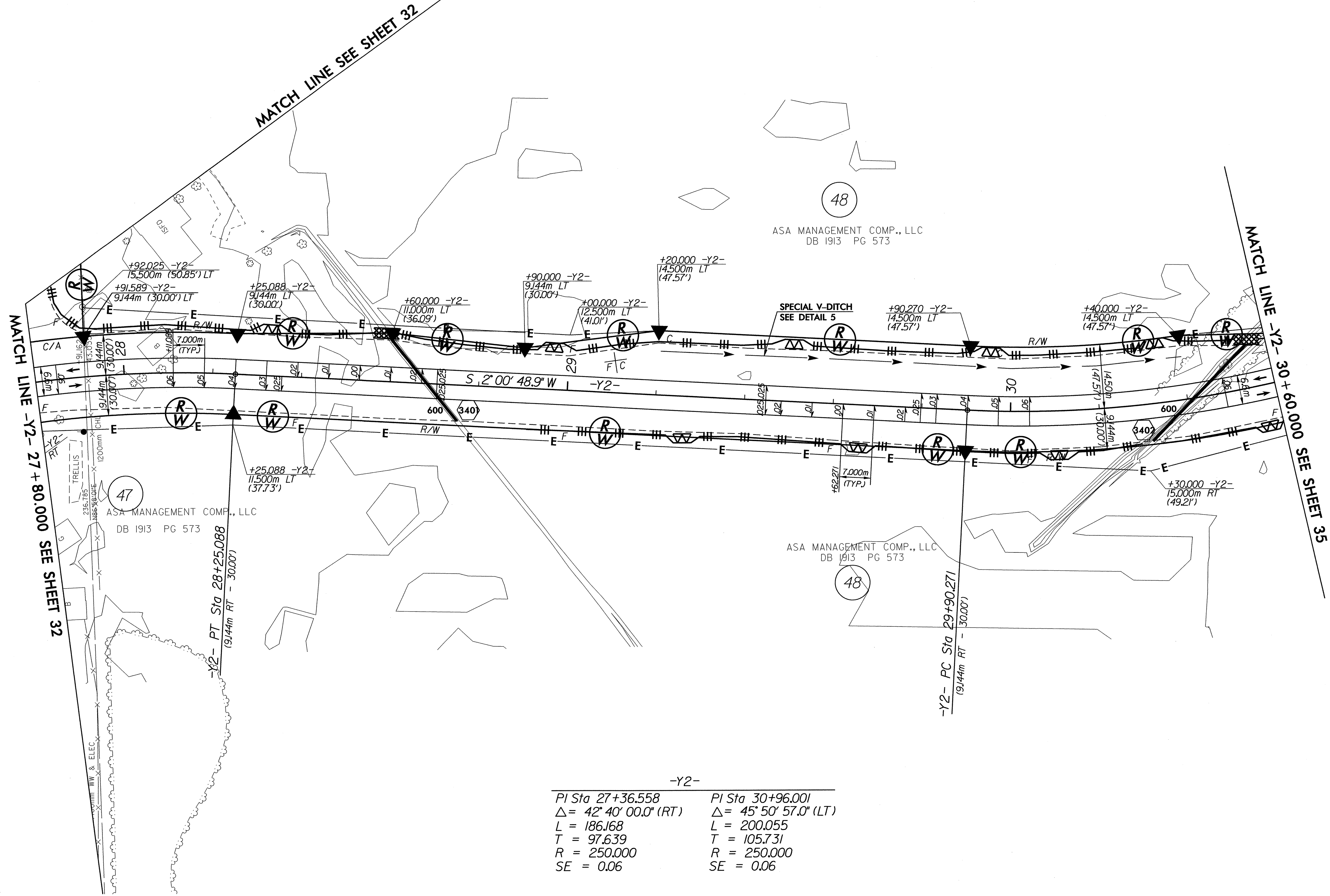


NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE-B AND TEMPORARY ROCK SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

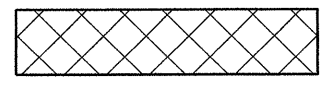
CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 34

  
  
CONST. REV.  
RW REV.

| PROJECT REFERENCE NO.   |                     | SHEET NO.      |
|-------------------------|---------------------|----------------|
| R-2554A                 |                     | EC-35/CONST.34 |
| R / W SHEET NO. 28      |                     |                |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |                |



| -Y2-                                |                                     |
|-------------------------------------|-------------------------------------|
| PI Sta 27+36.558                    | PI Sta 30+96.001                    |
| $\Delta = 42^\circ 40' 00.0''$ (RT) | $\Delta = 45^\circ 50' 57.0''$ (LT) |
| L = 186.168                         | L = 200.055                         |
| T = 97.639                          | T = 105.731                         |
| R = 250.000                         | R = 250.000                         |
| SE = 0.06                           | SE = 0.06                           |

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 74 & 75 FOR -Y2- PROFILE  
SEE SHEETS 21-24 FOR DITCH DETAILS

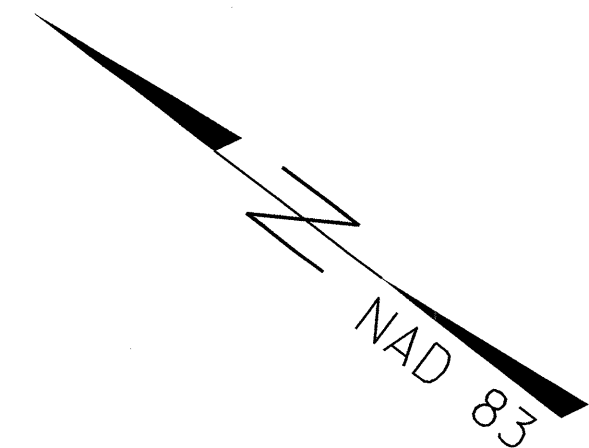
FILE:   
DATE:   
DRAWN:   
CHECKED:   
PER TABLE:   
STIMES   
SPENTILLS





RW REV.

ENGINEER



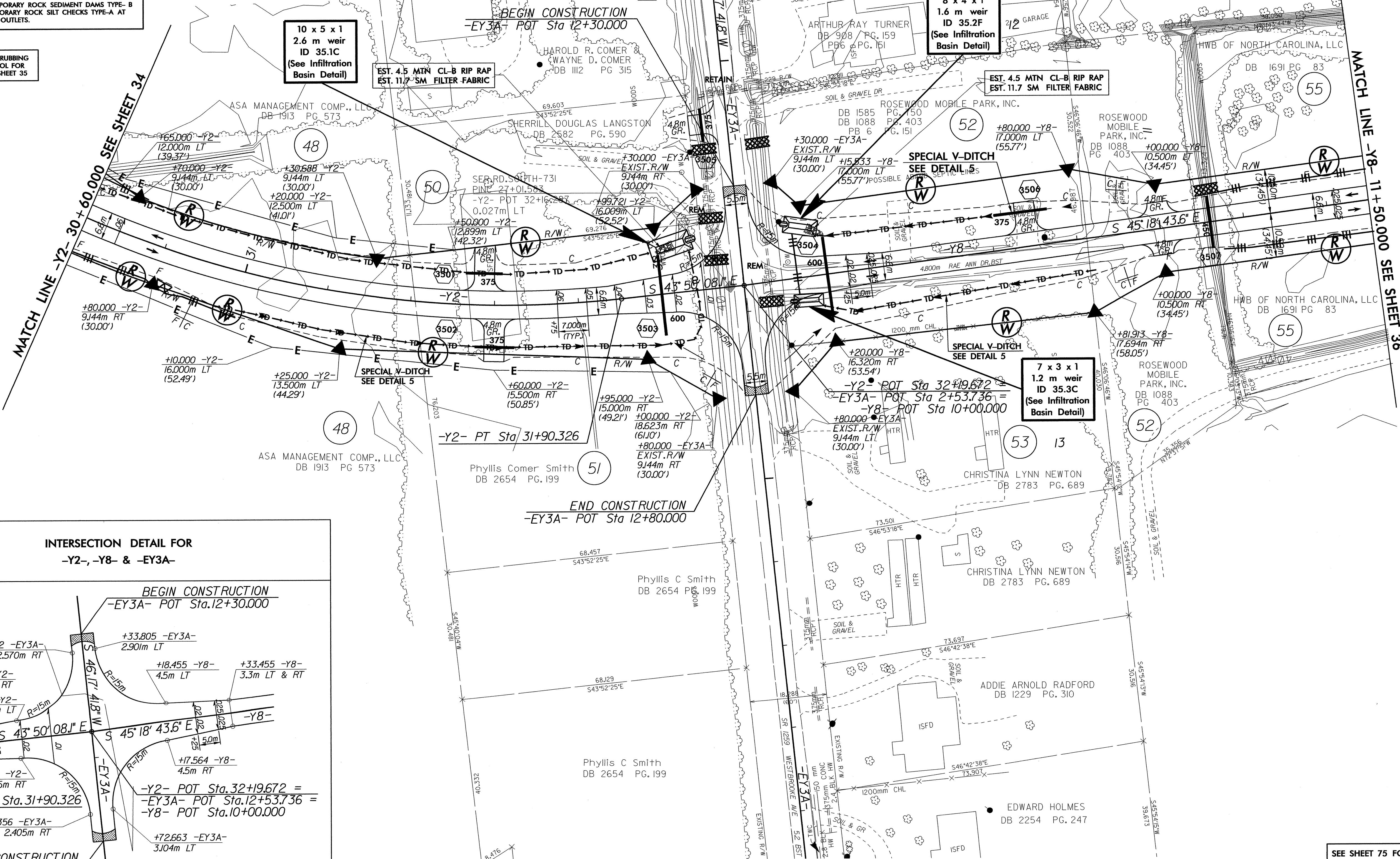
-Y2-

---

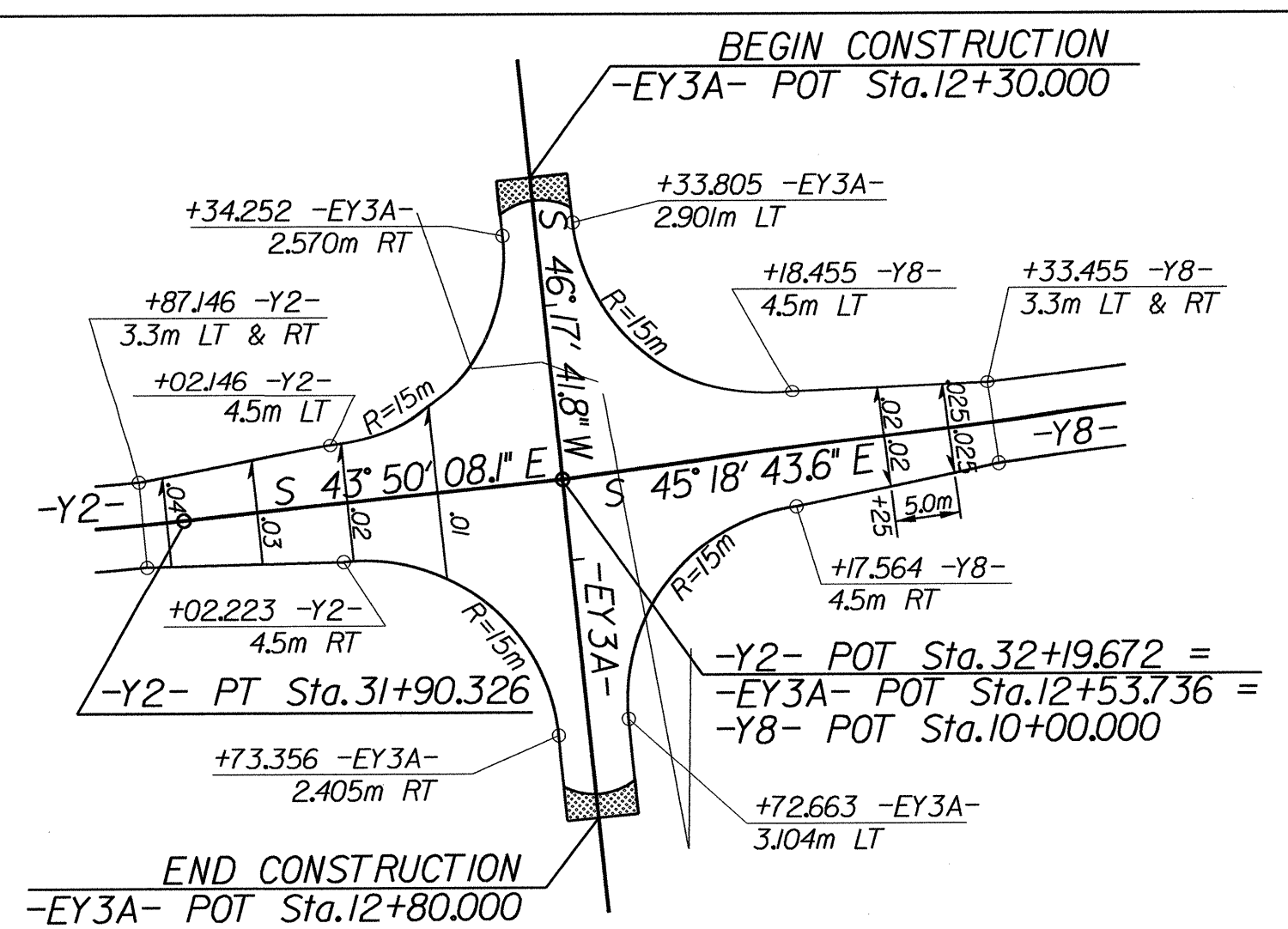
PI Sta 30+96.00l  
 $\Delta = 45^\circ 50' 57.0''$  (LT)  
L = 200.055  
T = 105.73l  
R = 250.000  
SE = 0.06

**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



INTERSECTION DETAIL FOR  
-Y2-, -Y8- & -EY3A-



OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 75 FOR -Y2- PROFILE  
SEE SHEET 75 FOR -Y8- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

|              |             |           |
|--------------|-------------|-----------|
| FILE:        | \$FILE\$    | \$TIMES\$ |
| DATE:        | \$DATE\$    |           |
| PLOT DRIVER: | \$PLTDRVL\$ |           |
| PEN TABLE:   | \$PENTBLL\$ |           |



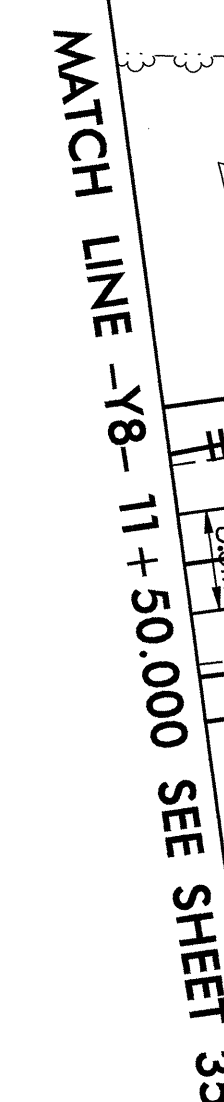


RW REV.

|                            |                        |
|----------------------------|------------------------|
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>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**



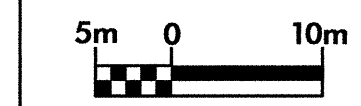
|             |             |           |
|-------------|-------------|-----------|
| FILE:       | \$FILE\$    | \$TIMES\$ |
| DATE:       | \$DATES\$   |           |
| LOT DRIVER: | \$PLTDRVL\$ |           |
| OPEN TABLE: | \$PENTBLL\$ |           |

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 75 FOR -Y8- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS





CONST. REV.  
RW REV.

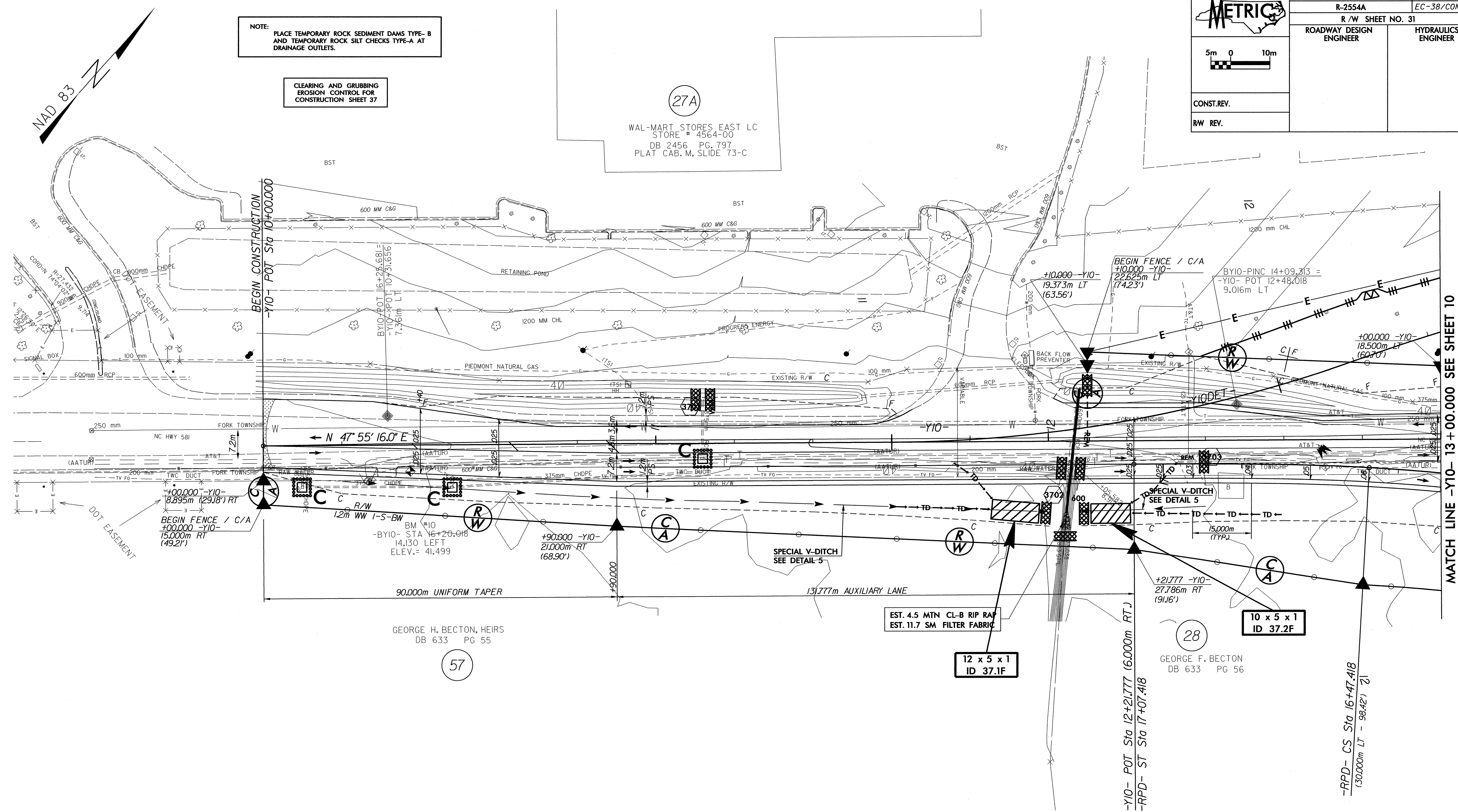
| PROJECT REFERENCE NO.   |                     | SHEET NO.      |
|-------------------------|---------------------|----------------|
| R-2554A                 |                     | EC-38/CONST.37 |
| R/W SHEET NO. 31        |                     |                |
| ROADWAY DESIGN ENGINEER | HYDRAULICS 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 37

27A

WAL-MART STORES EAST LC  
STORE # 4564-00  
DB 2456 PG. 797  
PLAT CAB. M. SLIDE 73-C



MATCH LINE -Y10- 13+00.000 SEE SHEET 10

GEORGE H. BECTON, HEIRS  
DB 633 PG 55

57

28  
GEORGE F. BECTON  
DB 633 PG 56

| -RPD-                           |                                     |                                 |
|---------------------------------|-------------------------------------|---------------------------------|
| PIs Sta 10+40.008               | PI Sta 13+92.912                    | PIs Sta 16+67.425               |
| $\Delta_s = 3^\circ 26' 15.9''$ | $\Delta = 67^\circ 18' 47.5''$ (LT) | $\Delta_s = 3^\circ 26' 15.9''$ |
| Ls = 60.000                     | L = 587.418                         | Ls = 60.000                     |
| LT = 40.008                     | T = 332.912                         | LT = 40.008                     |
| ST = 20.007                     | R = 500.000                         | ST = 20.007                     |
|                                 | SE = 0.06                           |                                 |

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 64 FOR -RPD- PROFILE  
SEE SHEET 65 FOR -Y10- PROFILE  
SEE SHEETS 2M-2P FOR -DET-  
PLAN & PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES STIMES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRVS  
PEN TABLE: SPENLBLE





5m 0 10m

CONST. REV.

R/W REV.

PROJECT REFERENCE NO.

R-2554A

SHEET NO.

EC-39/CONST.38

R / W SHEET NO. 32

ROADWAY DESIGN  
ENGINEER

HYDRAULICS  
ENGINEER



ENVIRONMENTALLY SENSITIVE AREA  
SEE PROJECT SPECIAL PROVISIONS

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

NAD 83

MATCH LINE -Y1- 38+60.000 SEE SHEET 40

MATCH LINE -Y10- 17+80.000 SEE SHEET 10

MATCH LINE -Y10- 20+80.000 SEE SHEET 39

PI Sta 39+64.704  
 $\Delta = 53^{\circ} 53' 24.1''$  (RT)  
 $L = 75.245$   
 $T = 40.665$   
 $R = 80.000$   
 $SE = 0.05$   
Curve Widening = 1.3

PIs Sta 17+47.321  
 $\Theta s = 1^{\circ} 25' 56.6''$   
 $Ls = 60.000$   
 $LT = 40.001$   
 $ST = 20.001$

PI Sta 18+18.328  
 $\Delta = 4^{\circ} 52' 04.7''$  (LT)  
 $L = 101.955$   
 $T = 51.008$   
 $R = 1,200.000$   
 $SE = 0.03$

PIs Sta 18+89.276  
 $\Theta s = 1^{\circ} 25' 56.6''$   
 $Ls = 60.000$   
 $LT = 40.001$   
 $ST = 20.001$

14 x 7 x 1  
4.6 m weir  
ID 38.1C  
(See Infiltration  
Basin Detail)

15 x 6 x 1  
3.6 m weir  
ID 38.1F  
(See Infiltration  
Basin Detail)

END CONSTRUCTION  
-DWYI- POT Sta 10+83.101

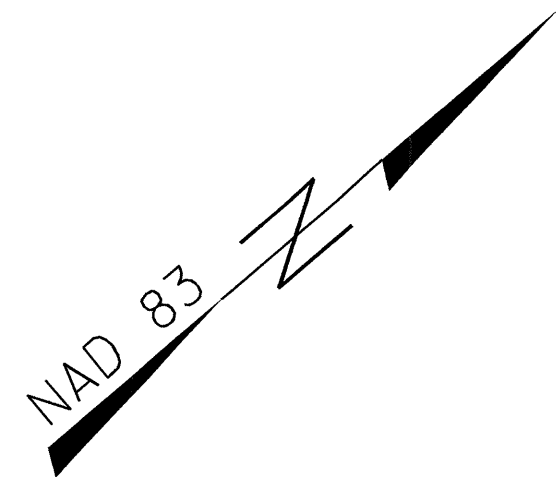
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 72 FOR -Y1- PROFILE  
SEE SHEET 67 FOR -Y10- PROFILE  
SEE SHEET 72 FOR -DWYI- PROFILE  
SEE SHEETS 2M-2P FOR -DETI-  
PLAN & PROFILE  
SEE SHEET 2-K FOR -Y1- & -Y10-  
INTERSECTION DETAIL  
SEE SHEETS 2T-2V FOR DITCH DETAILS

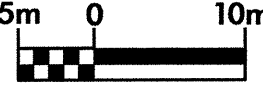
FILE: SHIELDS STIMES  
DATE: 04/01/2014  
DRAWN: J. S. SASSER  
PER TABLE: 04/01/2014



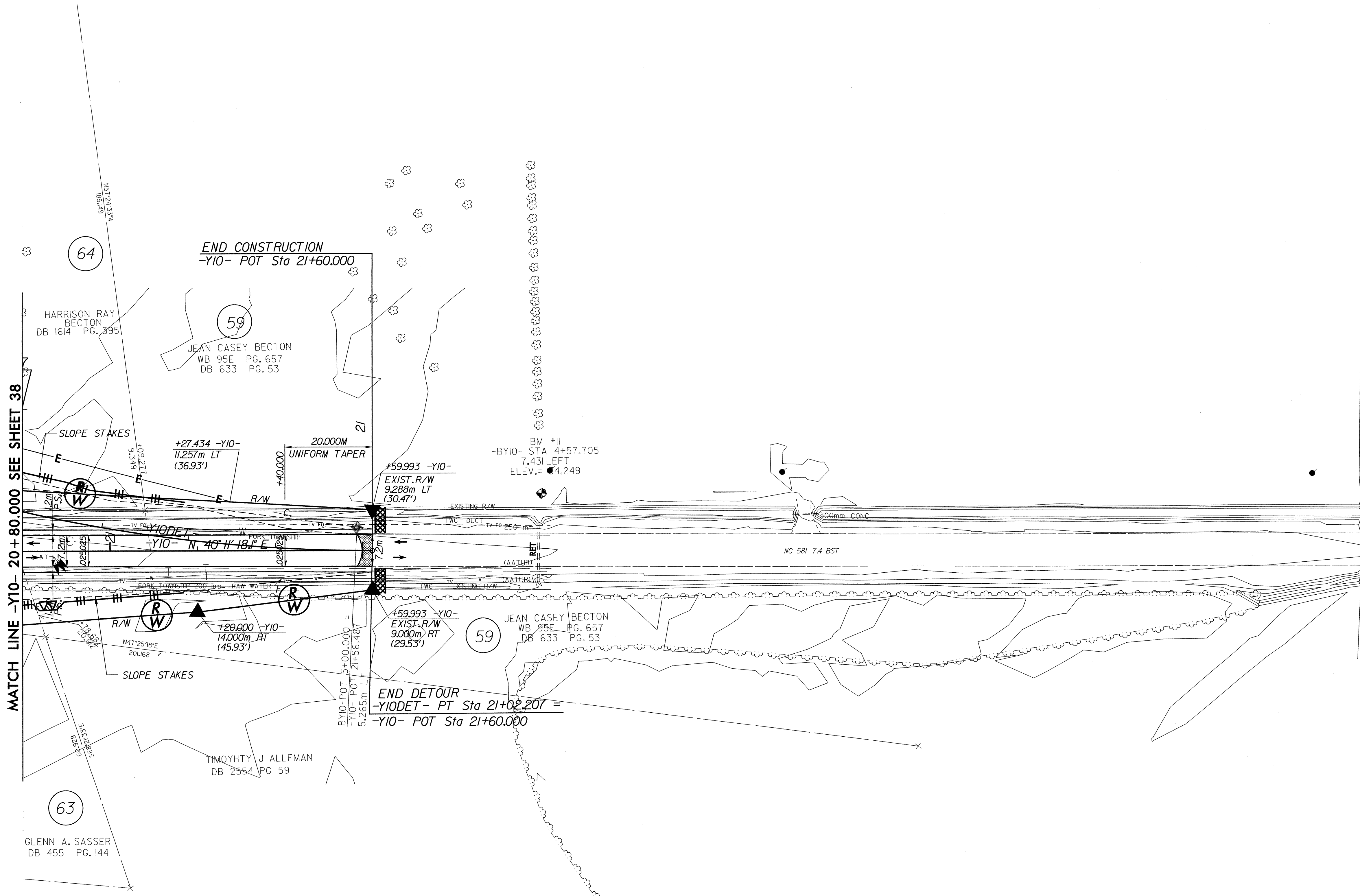


NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 39

  
  
CONST.REV.  
RW REV.

|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-40/CONST.39      |
| R / W SHEET NO. 33      |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



FILE: SFILES STIMES  
DATE: 01/01/2014  
DRAWN: J. SASSER  
PER: J. SASSER

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

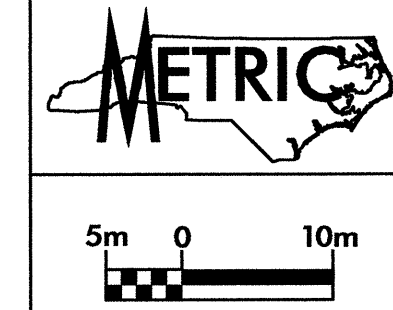
SEE SHEET 66 FOR -Y10- PROFILE  
SEE SHEETS 2M-2P FOR -DETI-  
PLAN & PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS



NAD 83

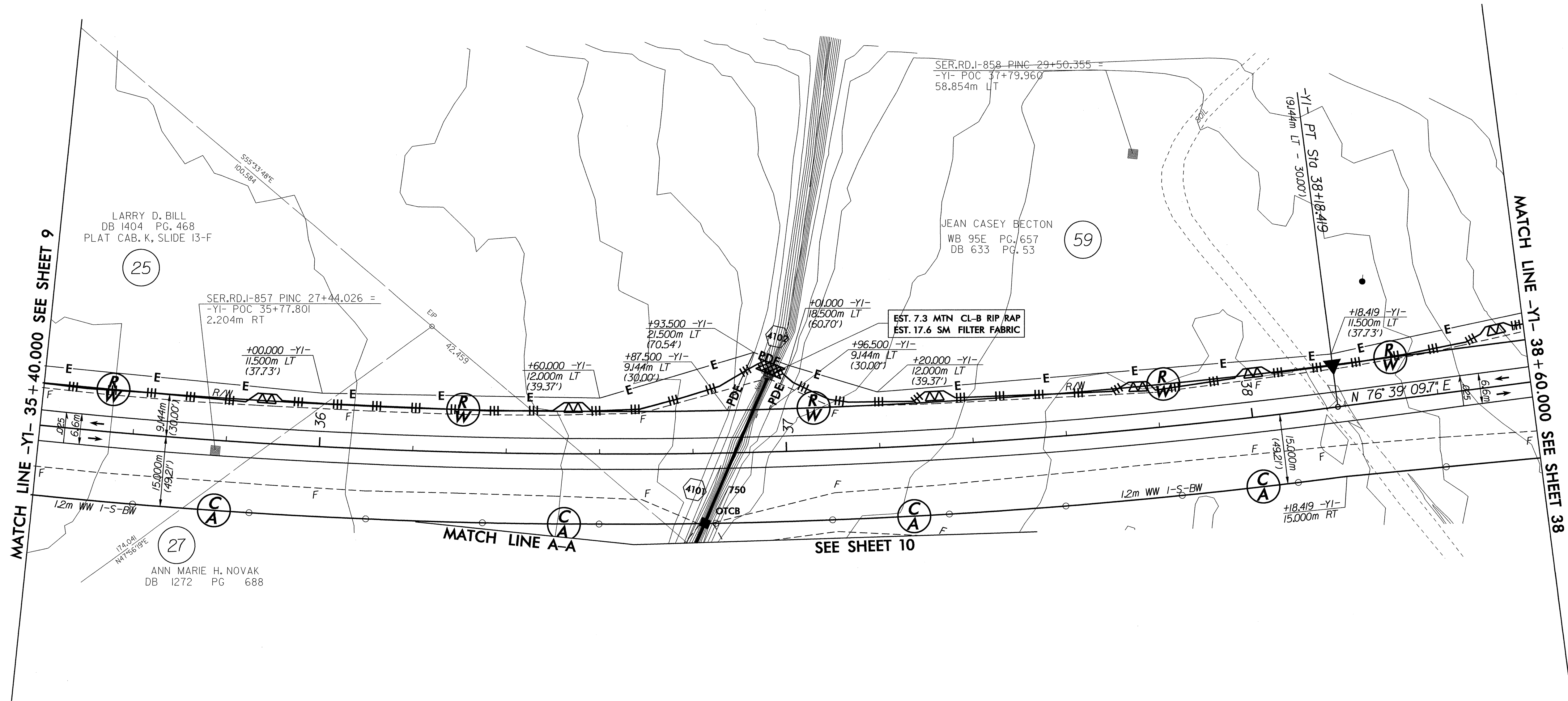
NOTE:  
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE- B  
AND TEMPORARY ROCK SILT CHECKS TYPE-A AT  
DRAINAGE OUTLETS.

CLEARING AND GRUBBING  
EROSION CONTROL FOR  
CONSTRUCTION SHEET 40



CONST.REV.  
RW REV.

| PROJECT REFERENCE NO.   | SHEET NO.           |
|-------------------------|---------------------|
| R-2554A                 | EC-41/CONST.40      |
| R / W SHEET NO. 34      |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



-Y1-  
PI Sta 35+29.319  
Δ = 28° 11' 23.2" (LT)  
L = 590.405  
T = 301.305  
R = 1,200.000  
SE = RC

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

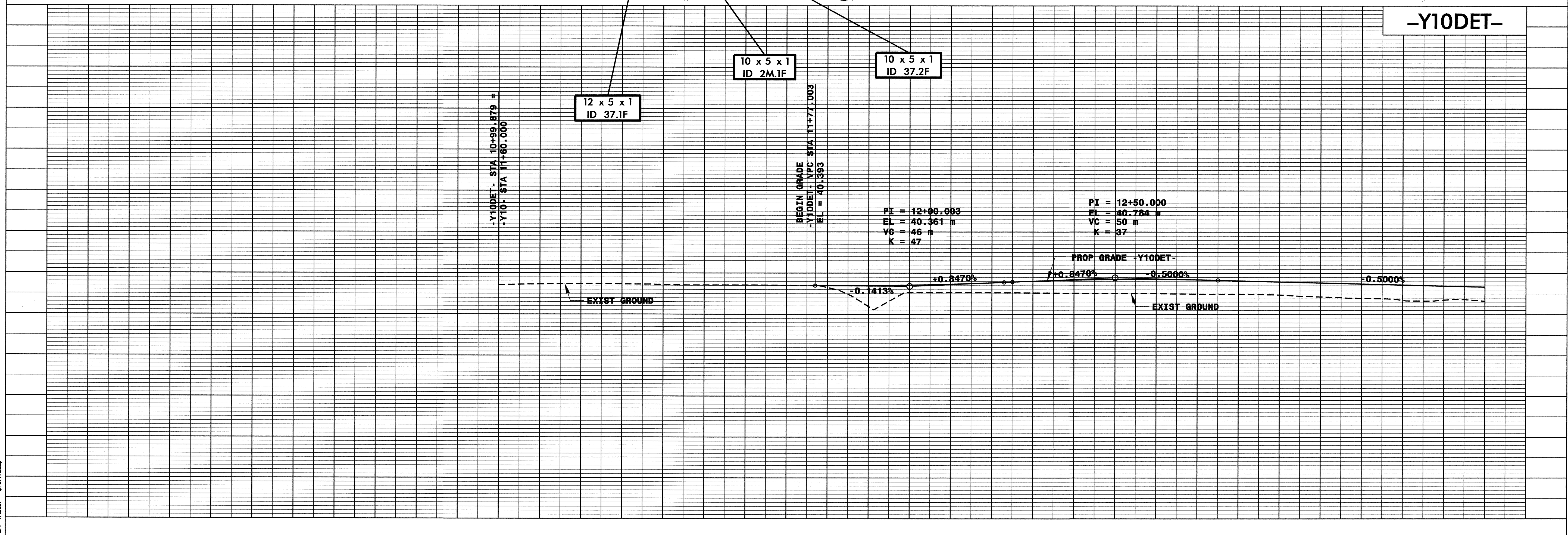
SEE SHEETS 71 & 72 FOR -Y1- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES STIMES  
DATE: SDATES  
PLOT DRIVER: SPRINTS  
PEN TABLE: SPENTBLS





|                            |                        |
|----------------------------|------------------------|
| PROJECT REFERENCE NO.      | SHEET NO.              |
| R-2554A                    | EC-42/CONST.2M         |
| R / W SHEET NO.            |                        |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |

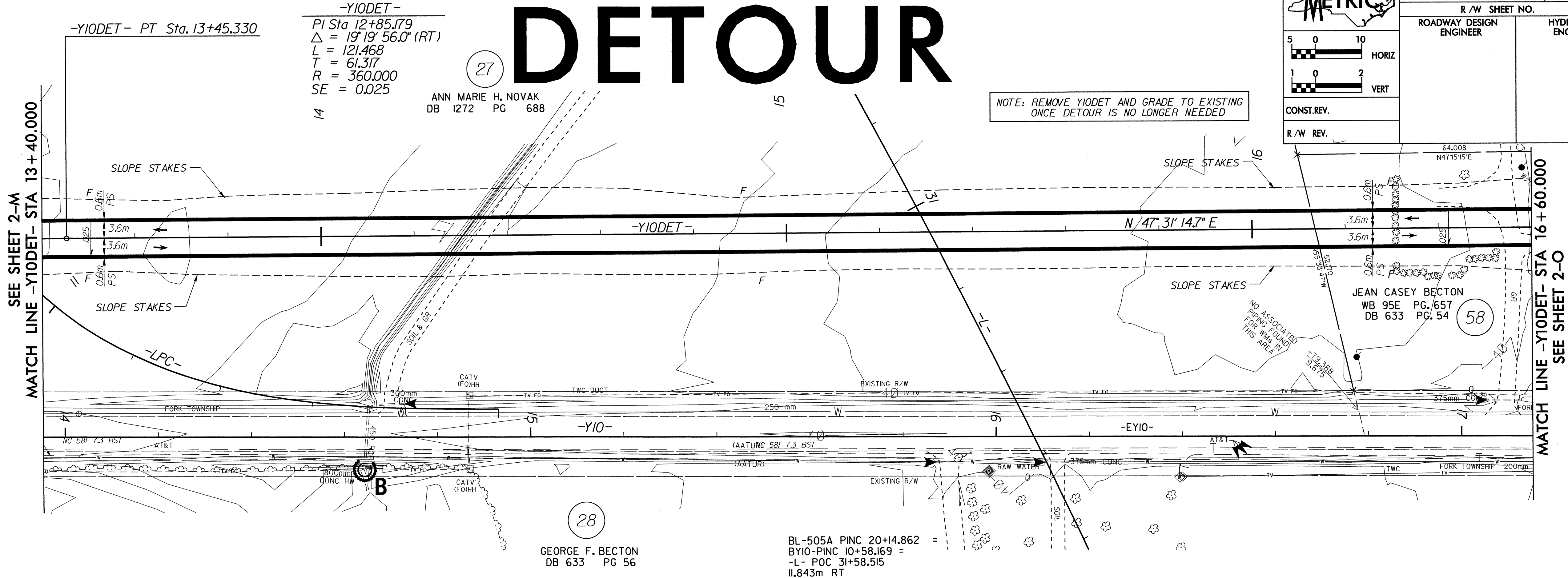


|              |          |             |
|--------------|----------|-------------|
| FILE:        | \$FILE\$ | \$TIMES     |
| DATE:        | \$DATE\$ | \$PLTDRVL\$ |
| PLOT DRIVER: |          | \$SPENBLL\$ |
| PEN TABLE:   |          |             |



|                                                                                                                                                   |                         |                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| <br>5 0 10<br>HORIZ<br>1 0 2<br>VERT<br>CONST. REV.<br>R/W REV. | PROJECT REFERENCE NO.   | SHEET NO.           |
|                                                                                                                                                   | R-2554A                 | EC-43/CONST.2W      |
|                                                                                                                                                   | R/W SHEET NO.           |                     |
|                                                                                                                                                   | ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# DETOUR



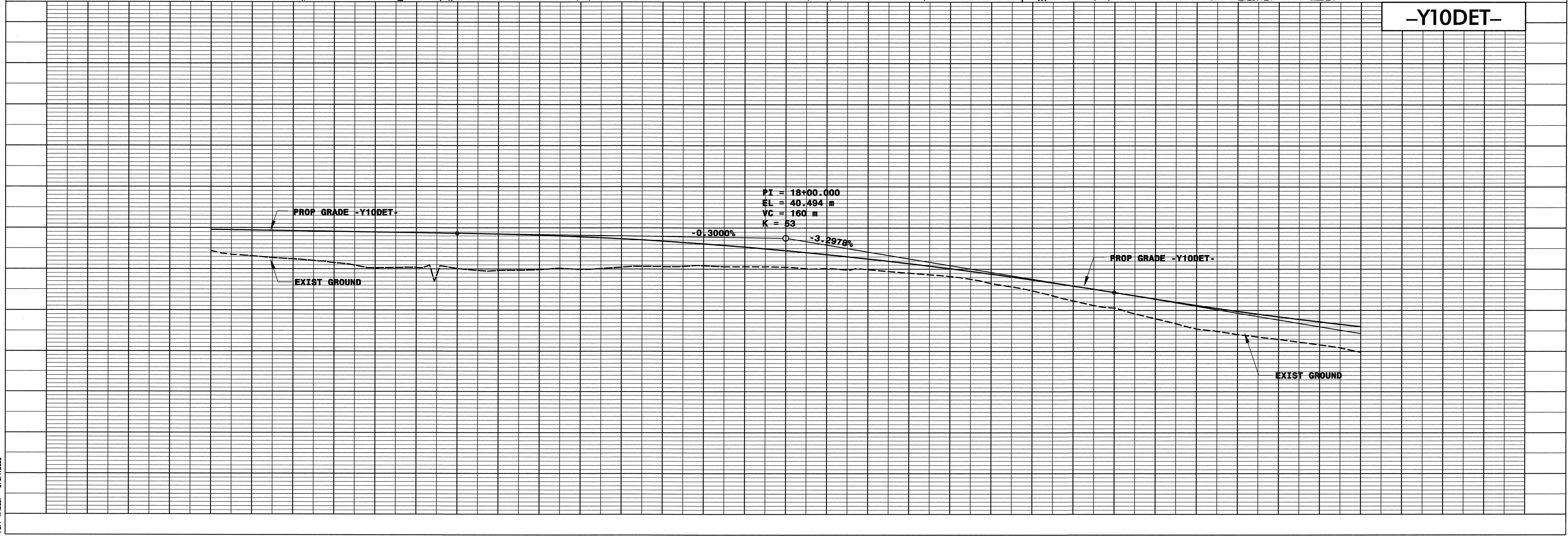
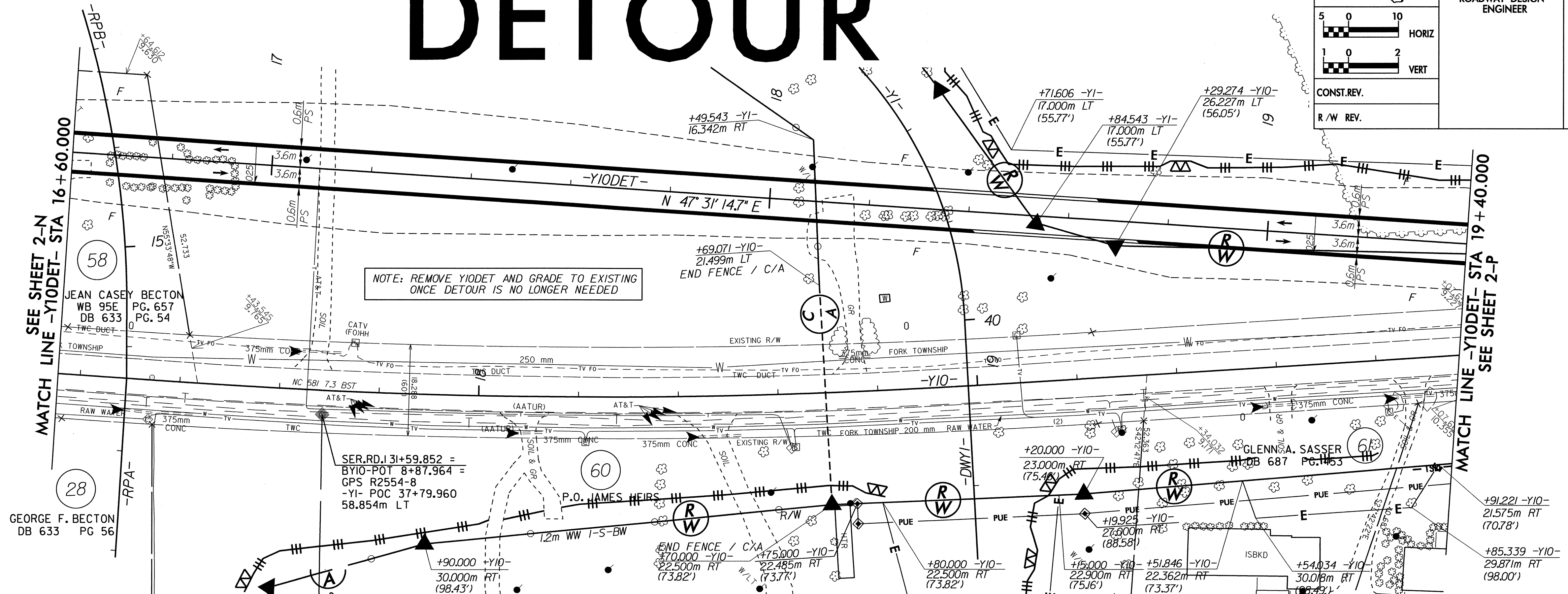


# DETOUR



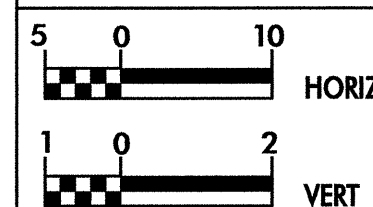
5 0 10  
HORIZ  
1 0 2  
VERT  
CONST.REV.  
R/W REV.

|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-44/CONST.20      |
| R/W SHEET NO.           | HYDRAULICS ENGINEER |
| ROADWAY DESIGN ENGINEER |                     |



FILE: \$FILES  
DATE: \$DATE \$TIME  
PLOT DRIVER: \$PLOTDRIVER  
PEN TABLE: \$PEN





CONST. REV.

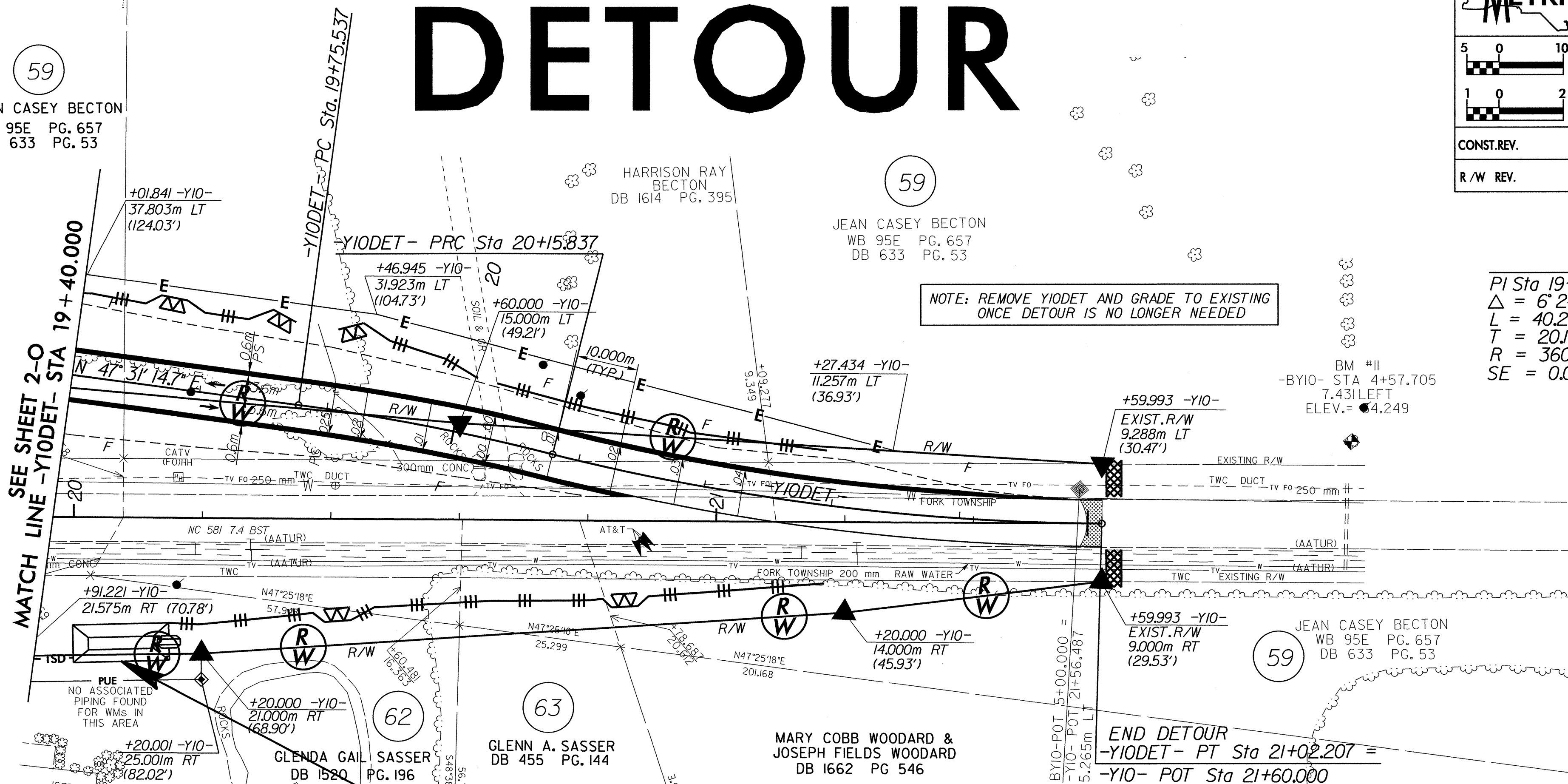
R/W REV.

|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-45/CONST.2P      |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# DETOUR

59  
JEAN CASEY BECTON  
WB 95E PG. 657  
DB 633 PG. 53

59  
JEAN CASEY BECTON  
WB 95E PG. 657  
DB 633 PG. 53



| -Y1ODET-                       |                                 |
|--------------------------------|---------------------------------|
| PI Sta 19+95.708               | PI Sta 20+59.230                |
| $\Delta = 6' 24'' 49.8''$ (RT) | $\Delta = 13' 44'' 46.4''$ (LT) |
| L = 40.299                     | L = 86.370                      |
| T = 20.171                     | T = 43.394                      |
| R = 360.000                    | R = 360.000                     |
| SE = 0.02                      | SE = 0.04                       |

15 x 6 x 1  
3.6 m weir  
ID 38.1F  
(See Infiltration  
Basin Detail)

-Y1ODET-

PI = 19+60.000  
EL = 35.217 m  
VC = 180 m  
K = 53

PROP GRADE -Y1ODET-

EXIST GROUND

END GRADE  
-Y1ODET- STA 20+50.220 =  
-Y10- STA 21+08.189  
EL = 34.947

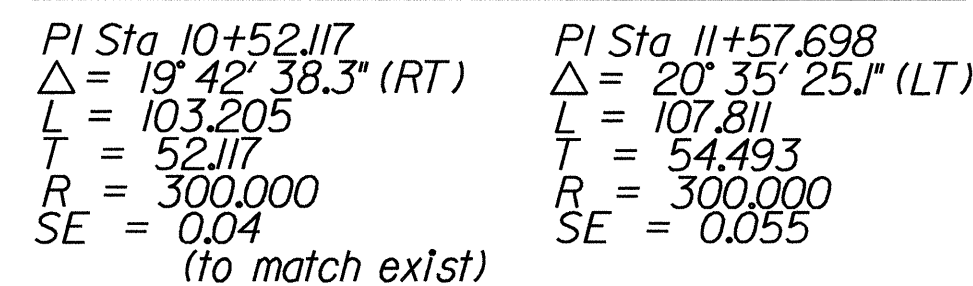
END CONSTRUCTION  
-Y1ODET- STA 21+02.207 =  
-Y10- STA 21+60.000





**METRIC**

|                            |                        |
|----------------------------|------------------------|
| PROJECT REFERENCE NO.      | SHEET NO.              |
| R-2554A                    | EC-46/CONST.20         |
| R / W SHEET NO.            |                        |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |



**-YDET-**

|                         |          |
|-------------------------|----------|
| PIPE HYDRAULIC DATA     |          |
| *200I: 450mm RCP        |          |
| -YDET- STA 11+09.000 RT |          |
| D.A.=                   | 0.720ha  |
| DES. FREQ.=             | 25yr     |
| DES. Q=                 | 0.22cms  |
| DES. HW ELEV.=          | 39.940m  |
| 100YR Q=                | 0.260cms |
| 100YR HW ELEV.=         | 39.99m   |
| OT FREQ.=               | 50 yrs   |
| OT Q=                   | 0.370cms |
| OT ELEV.=               | 41.300m  |

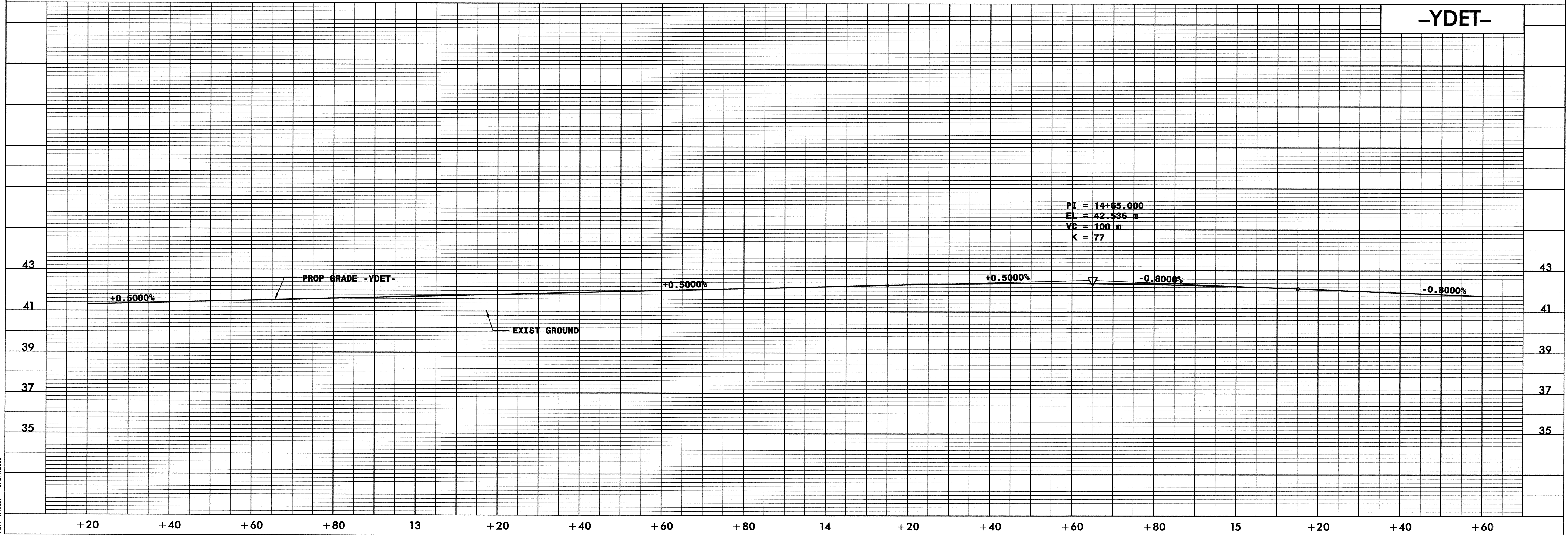
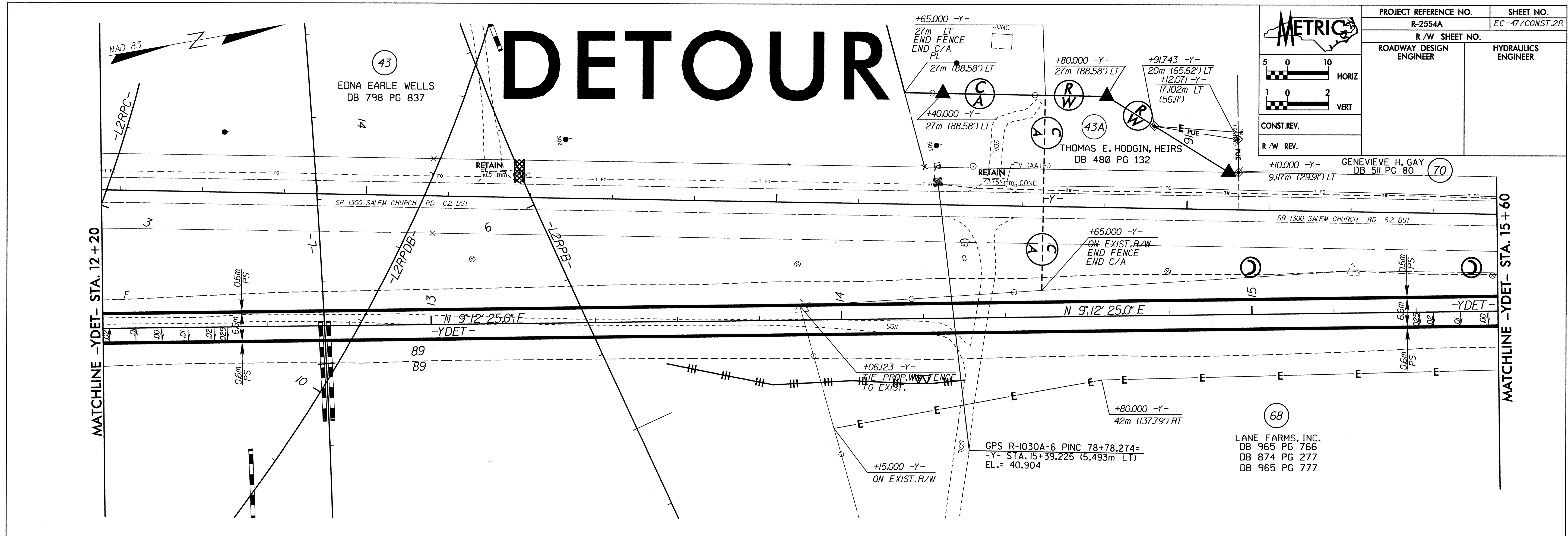
|    |   |           |
|----|---|-----------|
| PI | = | 10+78.000 |
| EL | = | 39.671 m  |
| VC | = | 60 m      |
| K  | = | 26        |

|    |   |           |
|----|---|-----------|
| PI | = | 11+40.000 |
| EL | = | 40.911 m  |
| VC | = | 60 m      |
| K  | = | 40        |

END SPECIAL CUT DITCH LT  
12+03.545  
EL 40.596

```
FILE: $FILE$      $TIMES$
DATE: $DATE$
PLOT DRIVER: $PLTDRVL$
OPEN TABLE: $PENTBLL$
```





FILE: SFILES  
DATE: 04/04/04  
DRAWN: SUTOW/KLS  
PEN: TALLIE/SUTOW



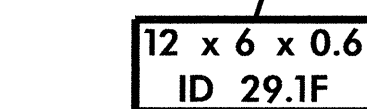


5 0 10 HORI

1 0 2 VERT

CONST.REV.

R/W REV.



|                                     |                                     |
|-------------------------------------|-------------------------------------|
| <i>PI Sta 16+17.435</i>             | <i>PI Sta 16+92.432</i>             |
| $\Delta = 15^{\circ}08'42.3''$ (LT) | $\Delta = 15^{\circ}59'43.6''$ (RT) |
| <i>L = 66.083</i>                   | <i>L = 83.752</i>                   |
| <i>T = 33.235</i>                   | <i>T = 42.150</i>                   |
| <i>R = 250.000</i>                  | <i>R = 300.000</i>                  |
| <i>SE = 0.06</i>                    | <i>SE = 0.025</i>                   |
|                                     | <i>(to match exist)</i>             |

**-YDET-**

```

PIPE HYDRAULIC DATA
*2SOL: 450mm RCP
-YDET- STA 16+26.000 RT
D.A.= 0.440ha
DES.FREQ.= 25yr
DES.Q= 0.14cms
DES.HW ELEV.= 40.760m
100YR Q= 0.170cms
100YR HW ELEV= 40.81m
OT FREQ.= 50 yrs
OT Q= 0.260cms
OT ELEV.= 41.400m

```

$PI = 16+60.000$   
 $EL = 40.976 \text{ m}$   
 $VC = 60 \text{ m}$   
 $K = 52$

END GRADE  
YDET. STA 16+93.717  
EL 41.096

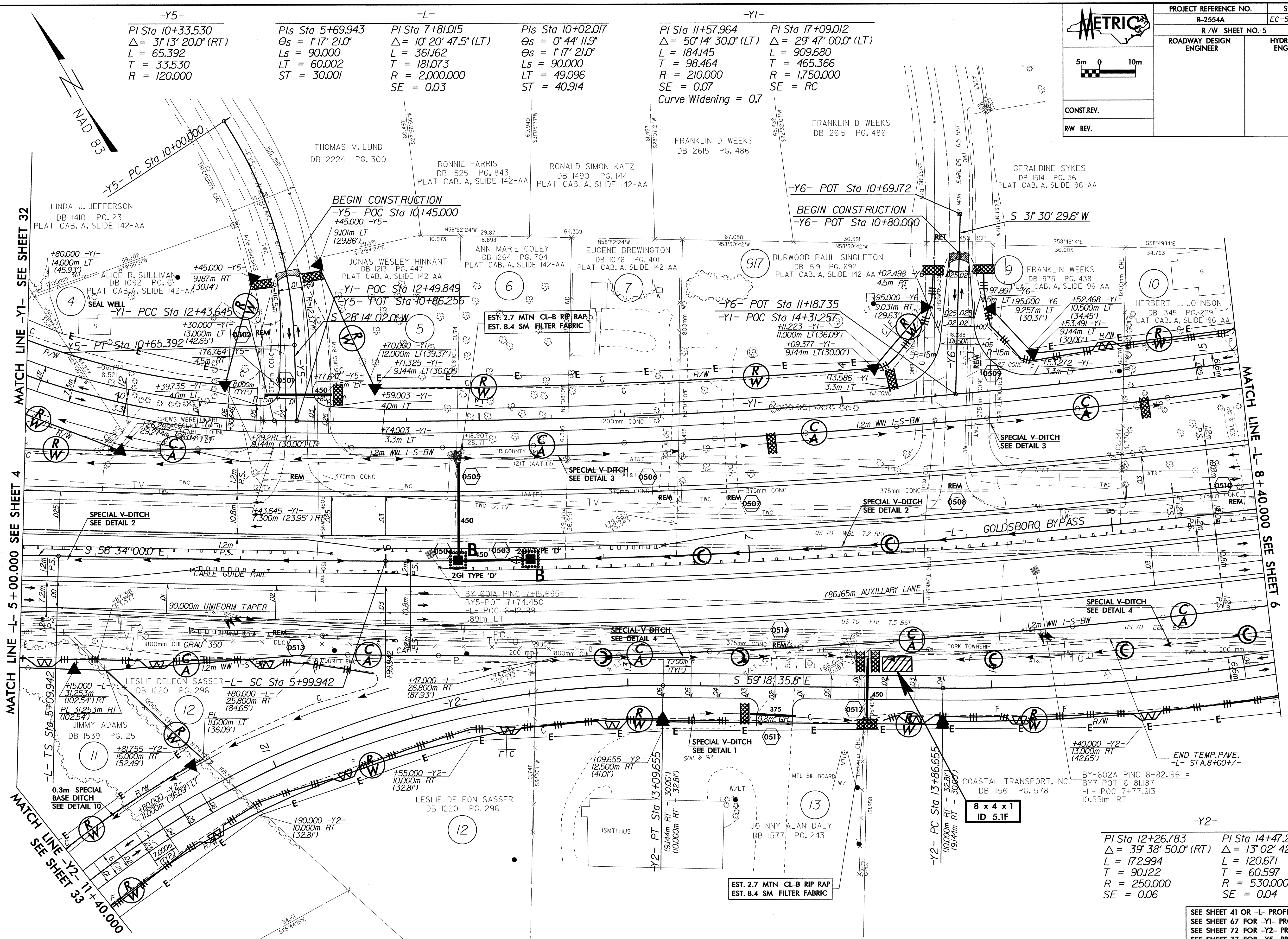
Profile view showing the proposed grade (PROP GRADE - YDET) and existing ground (EXIST GROUND). The proposed grade is a straight line with a slope of -0.8000% on the left and +0.3559% on the right. The existing ground is shown as a dashed line below the proposed grade. A vertical curve is indicated by a dashed line connecting the proposed grade to the existing ground. The vertical curve starts at a point labeled '0.6000%' and ends at a point labeled '0.3559%'. The vertical curve is labeled 'EXIST GROUND'.

|              |          |             |         |
|--------------|----------|-------------|---------|
| FILE:        | \$FILE\$ |             |         |
| DATE:        | \$DATE\$ |             | \$TIMES |
| PLOT DRIVER: |          | \$PLTDRVL\$ |         |
| PEN TABLE:   |          | \$PENBLL\$  |         |









-Y5-  
PI Sta 10+33.530  
Δ = 31° 13' 20.0" (RT)  
L = 65.392  
T = 33.530  
R = 120.000

-L-  
PI Sta 5+69.943  
Δ = 10° 20' 47.5" (LT)  
L = 361.62  
T = 181.073  
R = 2,000.000  
SE = 0.03

-Y1-  
PI Sta 10+02.017  
Δ = 0° 44' 11.9"  
L = 90.000  
T = 49.096  
ST = 40.914

-Y1-  
PI Sta 11+57.964  
Δ = 50° 14' 30.0" (LT)  
L = 184.145  
T = 98.464  
R = 210.000  
SE = 0.07  
Curve Widening = 0.7

-Y1-  
PI Sta 17+09.012  
Δ = 29° 47' 00.0" (LT)  
L = 909.680  
T = 465.366  
R = 1,750.000  
SE = RC

-Y2-  
PI Sta 12+26.783  
Δ = 39° 38' 50.0" (RT)  
L = 172.994  
T = 90.122  
R = 250.000  
SE = 0.06

PI Sta 14+47.253  
Δ = 13° 02' 42.5" (LT)  
L = 120.671  
T = 60.597  
R = 530.000  
SE = 0.04

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 41 OR -L- PROFILE  
SEE SHEET 67 FOR -Y1- PROFILE  
SEE SHEET 72 FOR -Y2- PROFILE  
SEE SHEET 77 FOR -Y5- PROFILE  
SEE SHEET 77 FOR -Y6- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

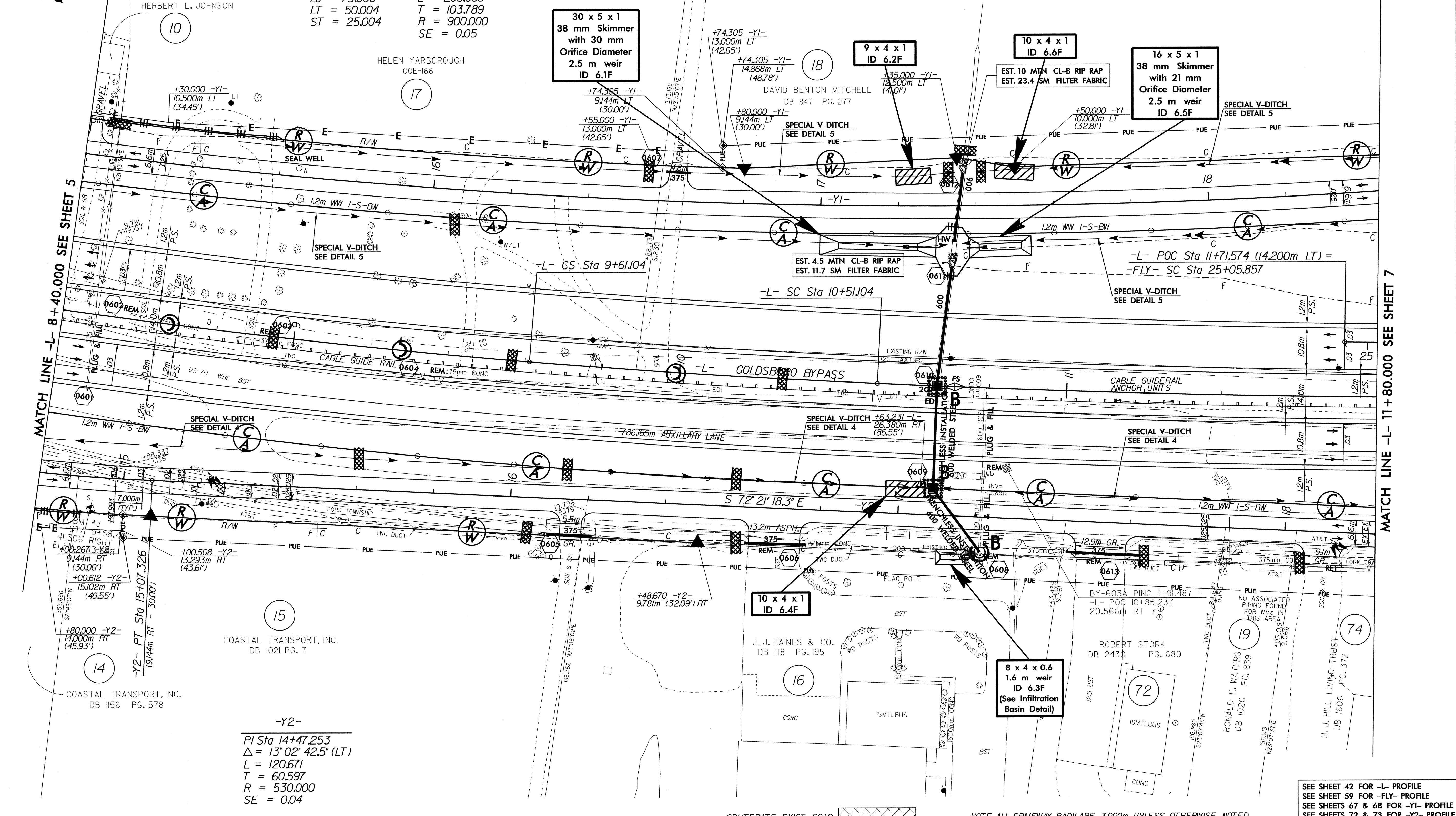
FILE: SFILES  
DATE: SDATES  
PLOT: SPLOT  
PEN: SPEN  
TABLE: STABLES



-Y1-  
PI Sta 17+09.012  
Δ = 29° 47' 00.0" (LT)  
L = 909.680  
T = 465.366  
R = 1,750.000  
SE = RC

-L-  
PI Sta 7+81.015  
Δ = 10° 20' 47.5" (LT)  
L = 361.162  
T = 181.073  
R = 2,000.000  
SE = 0.03  
PIs Sta 10+02.017  
Δs = 0° 44' 11.9"  
Os = 1° 17' 21.0"  
Ls = 90.000  
LT = 49.096  
ST = 40.914  
PI Sta 13+30.746  
Δ = 9° 08' 10.4" (LT)  
L = 558.099  
T = 279.643  
R = 3,500.000  
SE = 0.03

-FLY-  
PIs Sta 21+91.753  
Δs = 2° 23' 14.4"  
Ls = 75.000  
LT = 50.004  
ST = 25.004  
PI Sta 23+20.537  
Δ = 13° 09' 24.1" (RT)  
L = 206.665  
T = 103.789  
R = 900.000  
SE = 0.05

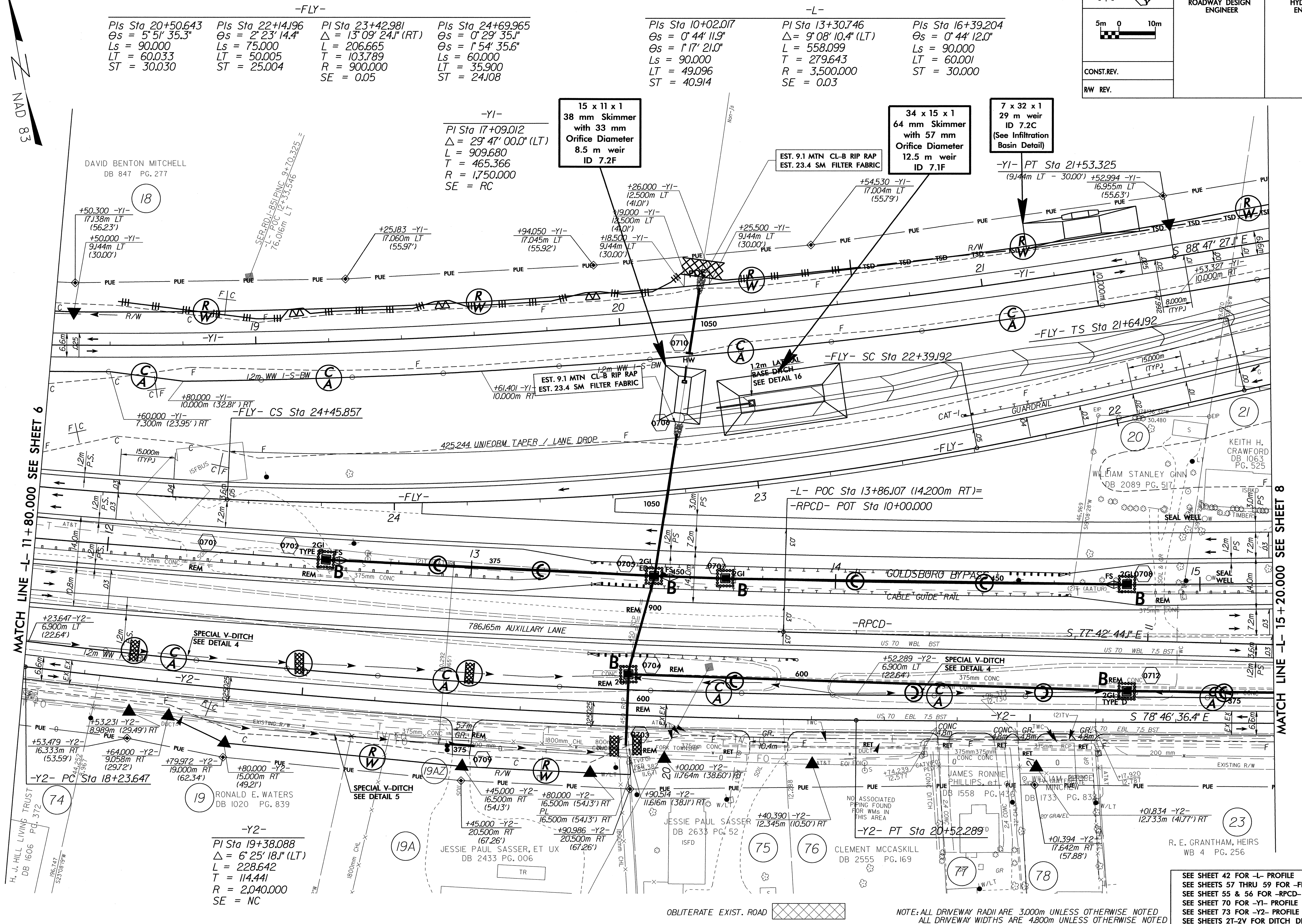


-Y2-  
PI Sta 14+47.253  
Δ = 13° 02' 42.5" (LT)  
L = 120.671  
T = 60.597  
R = 530.000  
SE = 0.04  
PI Sta 15+07.326  
Δ = 13° 02' 42.5" (LT)  
L = 120.671  
T = 60.597  
R = 530.000  
SE = 0.04

FILE: SFILES  
DATE: 04/25/07  
PLOT DRIVER: SPENCER  
PEN TABLE: SPENCER

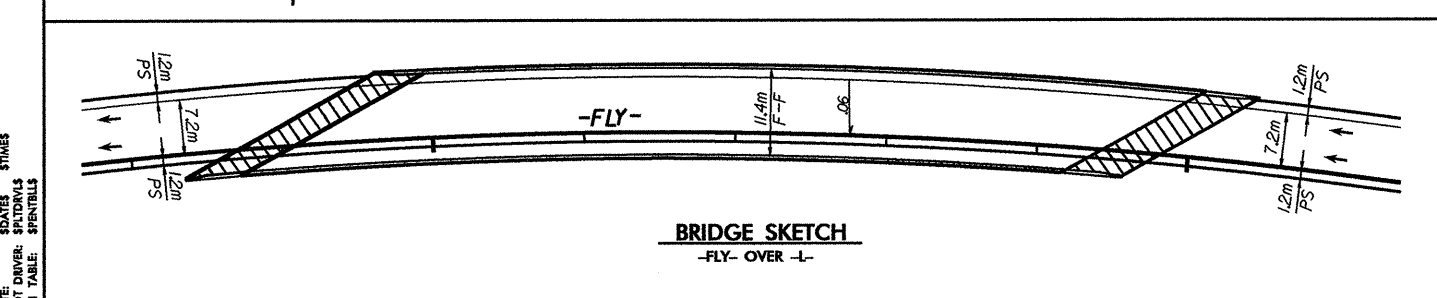
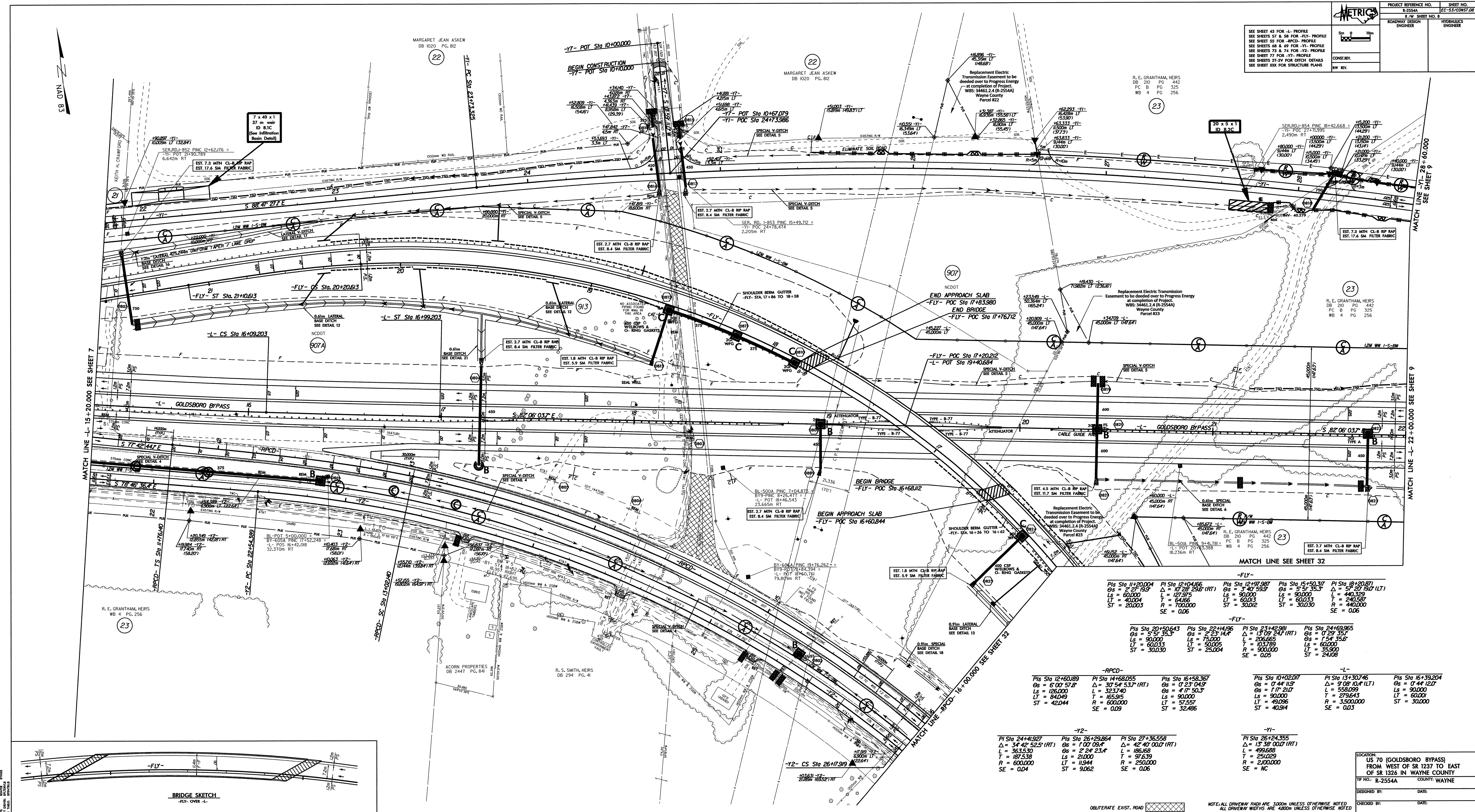
SEE SHEET 42 FOR -L- PROFILE  
SEE SHEET 59 FOR -FLY- PROFILE  
SEE SHEETS 67 & 68 FOR -Y1- PROFILE  
SEE SHEETS 72 & 73 FOR -Y2- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS





|                                         |
|-----------------------------------------|
| SEE SHEET 42 FOR -L- PROFILE            |
| SEE SHEETS 57 THRU 59 FOR -FLY- PROFILE |
| SEE SHEET 55 & 56 FOR -RPCD- PROFILE    |
| SEE SHEET 70 FOR -Y1- PROFILE           |
| SEE SHEET 73 FOR -Y2- PROFILE           |
| SEE SHEETS 2T-2V FOR DITCH DETAILS      |

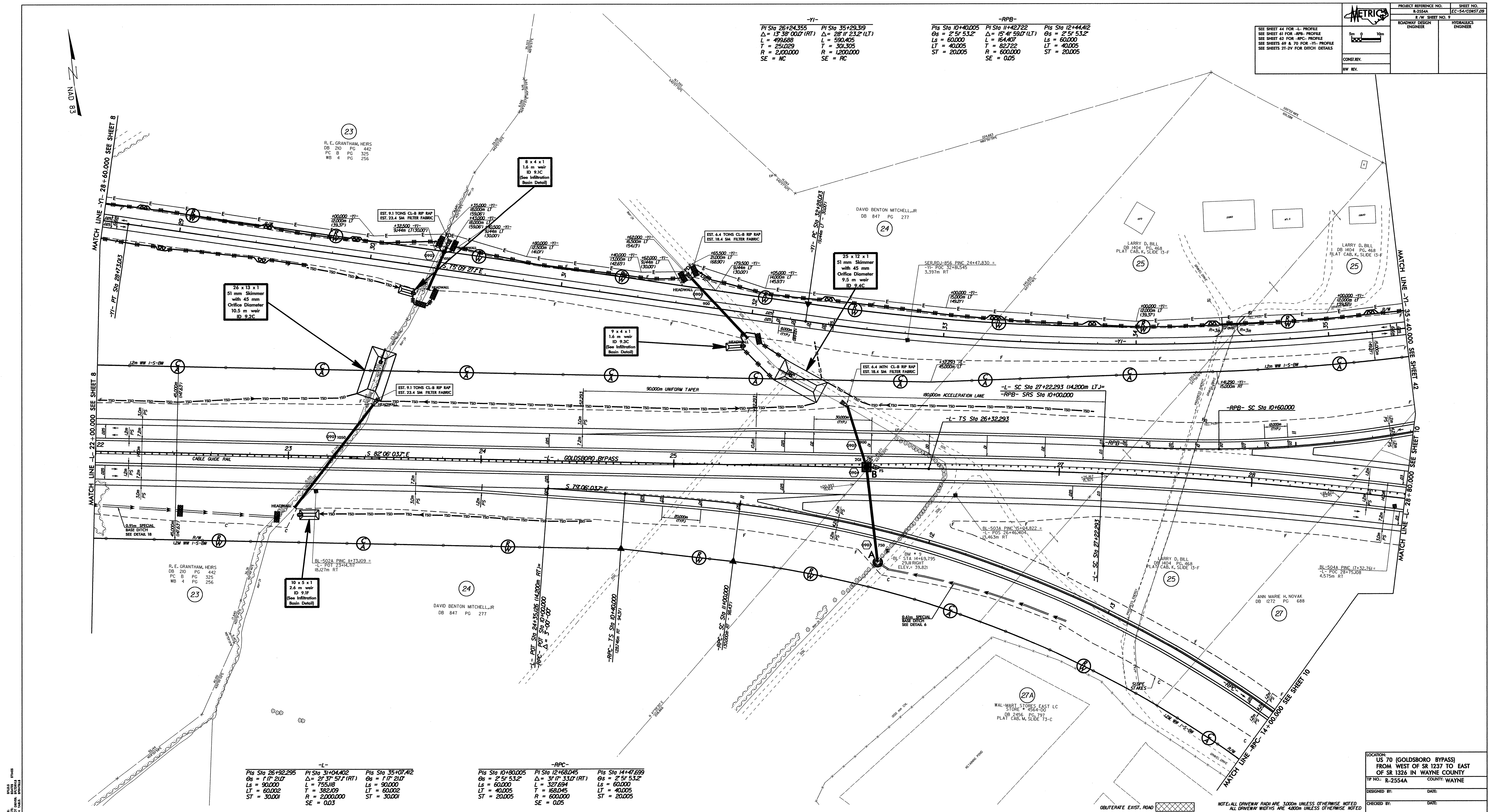




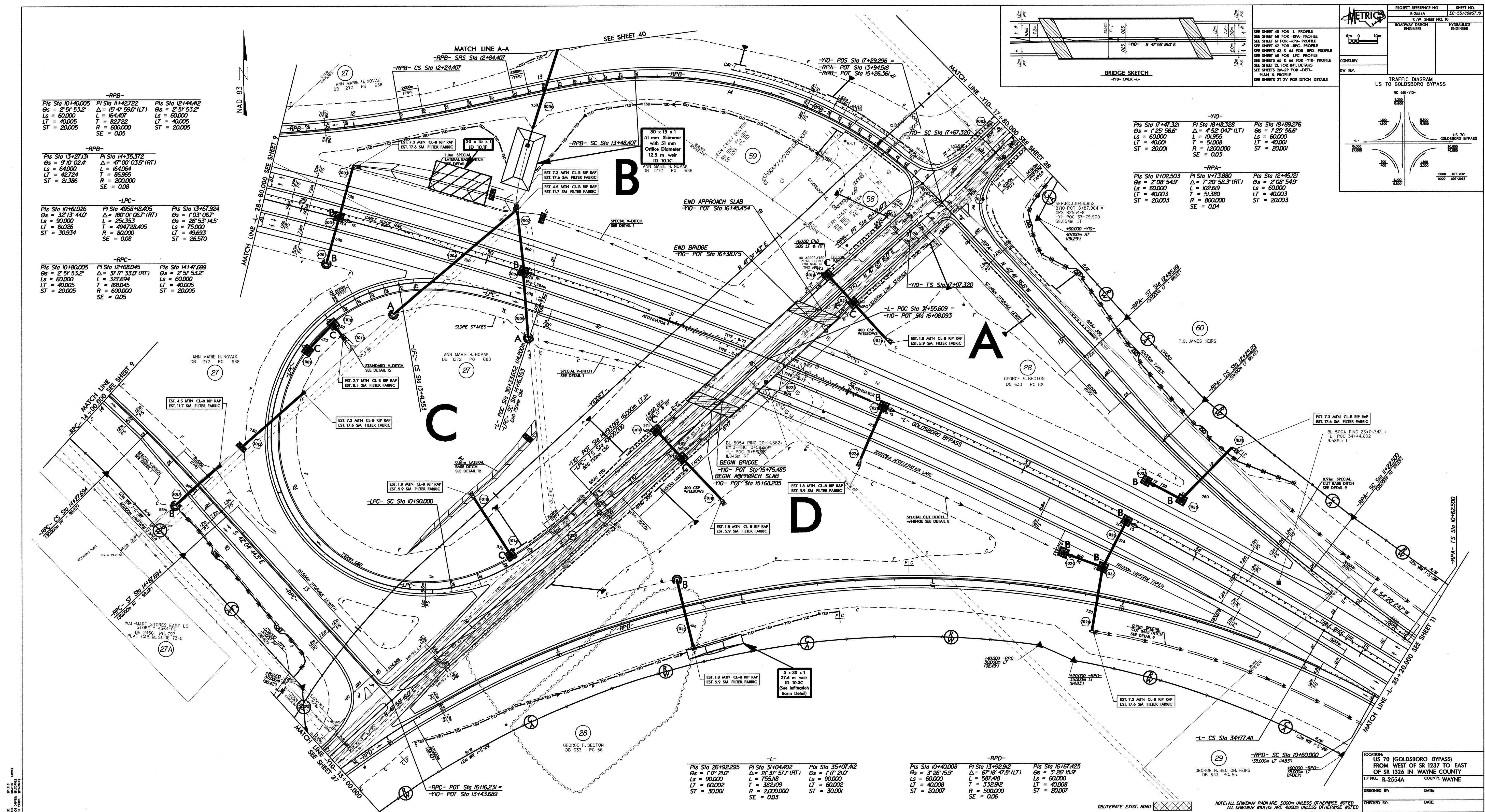
|                   |                         |                         |                         |                         |                         |
|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| <b>-FLY-</b>      |                         |                         | <b>-L-</b>              |                         |                         |
| PI Sta 11+20.004  | PI Sta 12+04.166        | PI Sta 12+19.987        | PI Sta 15+50.317        | PI Sta 16+20.871        | PI Sta 16+39.204        |
| Δs = 2° 27' 19.5" | Δs = 10° 28' 25.6" (RT) | Δs = 5° 40' 59.9"       | Δs = 5° 57' 35.3"       | Δs = 5° 44' 12.0"       | Δs = 0° 44' 12.0"       |
| Ls = 60.000       | Ls = 127.975            | Ls = 90.000             | Ls = 60.000             | Ls = 17° 50.7"          | Ls = 90.000             |
| LT = 40.004       | LT = 64.066             | LT = 60.013             | LT = 60.033             | LT = 240.587            | LT = 60.001             |
| ST = 20.003       | ST = 70.000             | ST = 30.012             | ST = 30.030             | ST = 440.000            | ST = 30.000             |
| <b>-FLY-</b>      |                         |                         | <b>-L-</b>              |                         |                         |
| PI Sta 20+50.643  | PI Sta 22+14.196        | PI Sta 23+12.981        | PI Sta 24+19.965        | PI Sta 25+10.000        | PI Sta 26+10.000        |
| Δs = 5° 57' 35.3" | Δs = 2° 27' 19.5"       | Δs = 13° 08' 24.1" (RT) | Δs = 0° 29' 35.7"       | Δs = 13° 36' 00.0" (RT) | Δs = 13° 36' 00.0" (RT) |
| Ls = 60.000       | Ls = 75.000             | Ls = 20.000             | Ls = 103.789            | Ls = 50.000             | Ls = 50.000             |
| LT = 60.033       | LT = 50.005             | LT = 60.000             | LT = 35.900             | LT = 35.900             | LT = 35.900             |
| ST = 30.030       | ST = 25.004             | ST = 0.005              | ST = 24.008             | ST = 0.005              | ST = 0.005              |
| <b>-RPCD-</b>     |                         |                         | <b>-Y2-</b>             |                         |                         |
| PI Sta 12+60.089  | PI Sta 14+68.055        | PI Sta 16+36.367        | PI Sta 24+14.927        | PI Sta 26+29.864        | PI Sta 27+36.558        |
| Δs = 6° 00' 57.8" | Δs = 30° 54' 53.7" (RT) | Δs = 0° 23' 04.9"       | Δs = 34° 42' 52.5" (RT) | Δs = 1° 00' 08.4"       | Δs = 42° 40' 00.0" (RT) |
| Ls = 125.000      | Ls = 32.574             | Ls = 75.000             | Ls = 36.150             | Ls = 21.000             | Ls = 18.668             |
| LT = 84.049       | LT = 165.915            | LT = 90.000             | LT = 187.538            | LT = 11.944             | LT = 97.639             |
| ST = 42.044       | ST = 600.000            | ST = 57.557             | ST = 600.000            | ST = 11.944             | ST = 250.000            |
| <b>-Y1-</b>       |                         |                         | <b>-Y1-</b>             |                         |                         |
| PI Sta 12+60.089  | PI Sta 14+68.055        | PI Sta 16+36.367        | PI Sta 24+14.927        | PI Sta 26+29.864        | PI Sta 27+36.558        |
| Δs = 6° 00' 57.8" | Δs = 30° 54' 53.7" (RT) | Δs = 0° 23' 04.9"       | Δs = 34° 42' 52.5" (RT) | Δs = 1° 00' 08.4"       | Δs = 42° 40' 00.0" (RT) |
| Ls = 125.000      | Ls = 32.574             | Ls = 75.000             | Ls = 36.150             | Ls = 21.000             | Ls = 18.668             |
| LT = 84.049       | LT = 165.915            | LT = 90.000             | LT = 187.538            | LT = 11.944             | LT = 97.639             |
| ST = 42.044       | ST = 600.000            | ST = 57.557             | ST = 600.000            | ST = 11.944             | ST = 250.000            |

NOTE: ALL DRIVEWAY RADII ARE 3000M UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4800M UNLESS OTHERWISE NOTED.







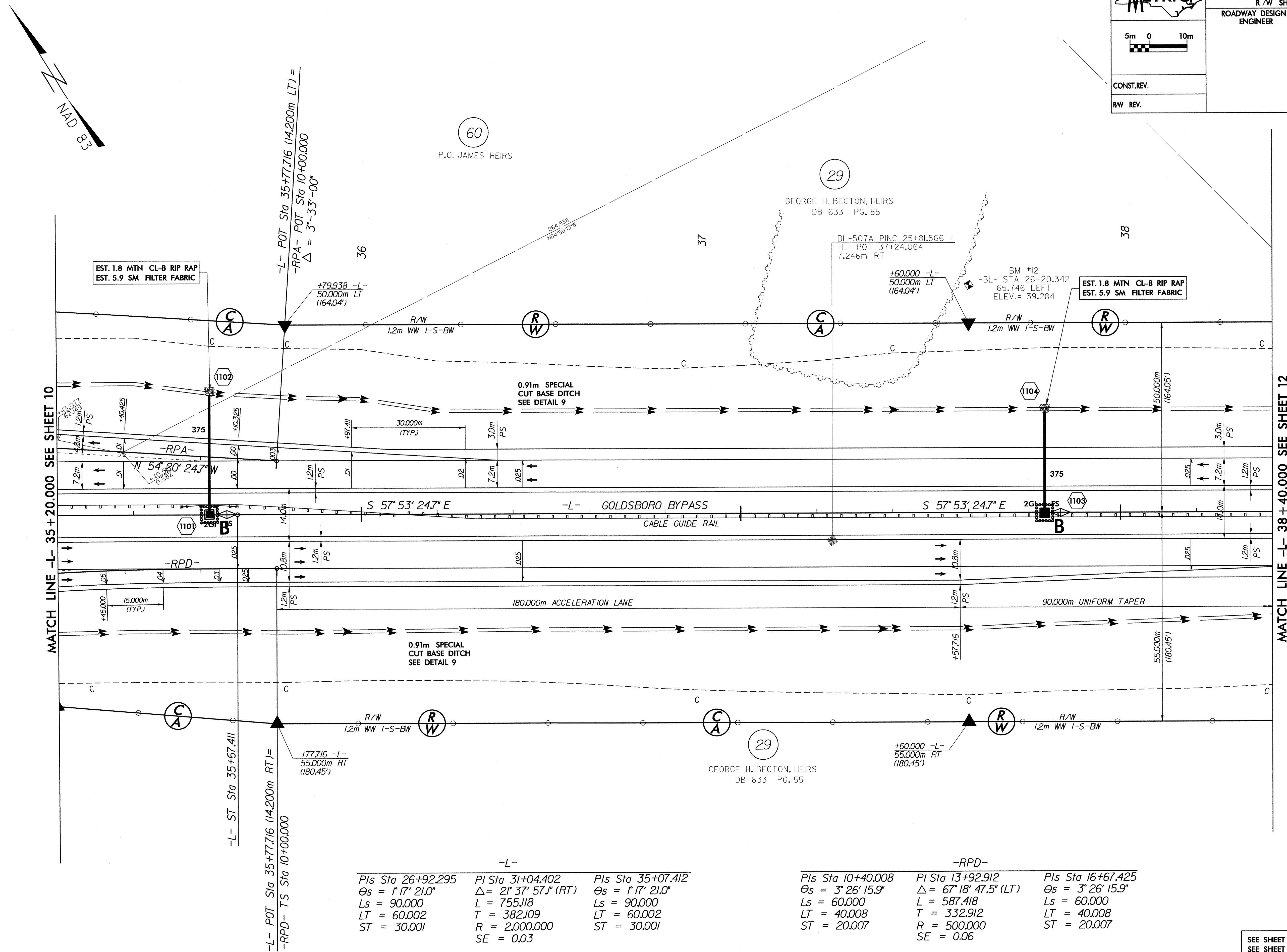






|           |
|-----------|
| CONST.REV |
| R/W REV.  |

|                            |                        |
|----------------------------|------------------------|
| PROJECT REFERENCE NO.      | SHEET NO.              |
| R-2554A                    | EC-56/CONST II         |
| R / W SHEET NO. 11         |                        |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |



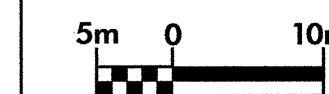
OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 46 FOR -L- PROFILE  
SEE SHEET 60 FOR -RPA- PROFILE  
SEE SHEET 63 FOR -RPD- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

|              |             |         |
|--------------|-------------|---------|
| FILE:        | \$FILE\$    | \$TIMES |
| DATE:        | \$DATE\$    |         |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBL\$  |         |





CONST. REV.

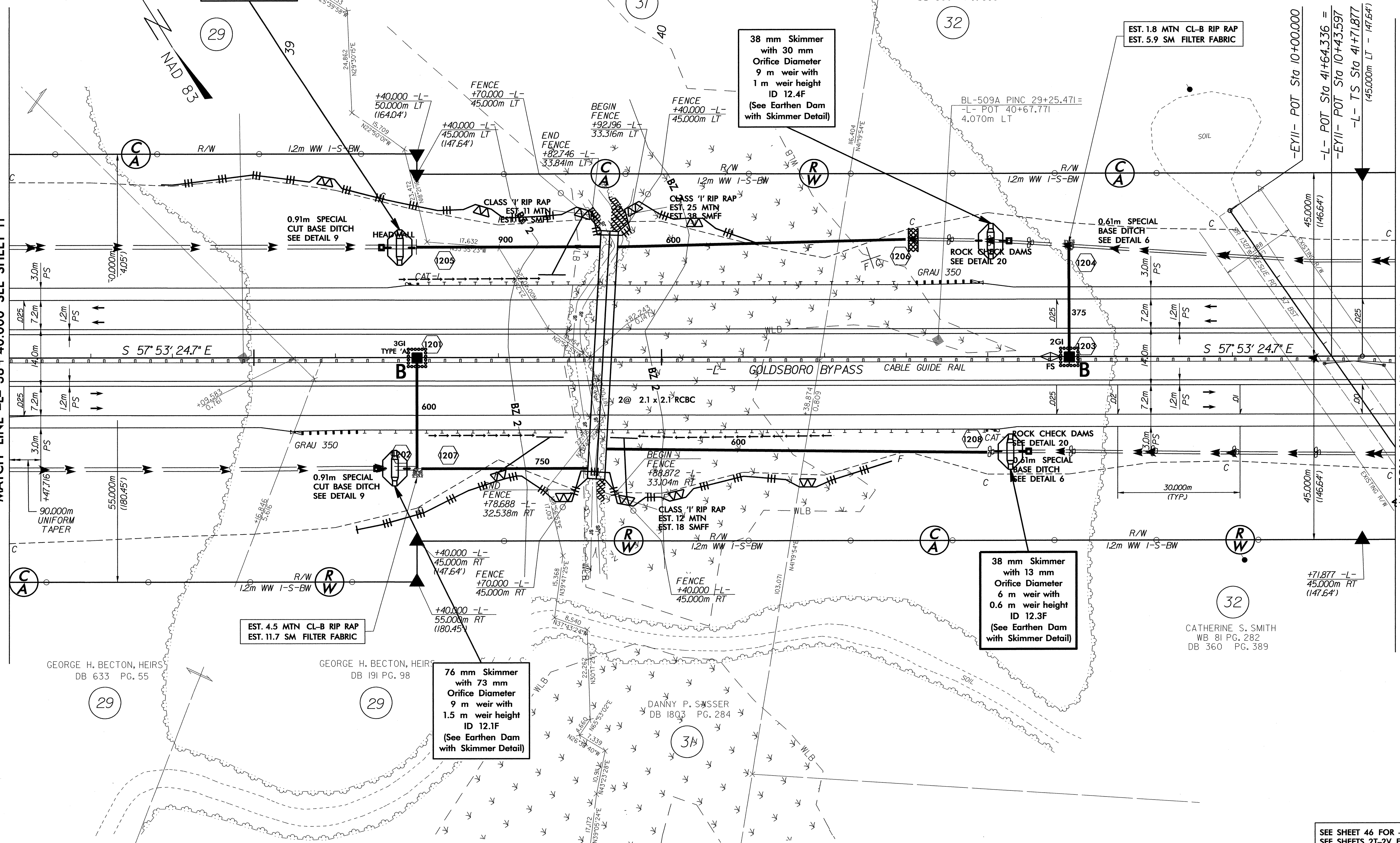
R/W REV.

| PROJECT REFERENCE NO.   |                     | SHEET NO.      |
|-------------------------|---------------------|----------------|
| R-2554A                 |                     | EC-57/CONST.12 |
| R/W SHEET NO. 12        |                     |                |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |                |

Pls Sta 42+31.878 PI Sta 51+64.793 Pls Sta 60+24.817  
 $\Theta_s = 1^\circ 01' 52.8''$   $\Delta = 39^\circ 42' 57.7''$  (LT)  $\Theta_s = 1^\circ 01' 52.8''$   
 $L_s = 90.000$   $L = 1,732.939$   $L_s = 90.000$   
 $LT = 60.001$   $T = 902.916$   $LT = 60.001$   
 $ST = 30.001$   $R = 2,500.000$   $ST = 30.001$   
 $SE = 0.03$

MATCH LINE -L- 38 + 40.000 SEE SHEET 11

MATCH LINE -L- 41 + 80.000 SEE SHEET 13



NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 46 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: SDATES  
PLOT: SPLOT  
PEN: SPEN  
TABLE: STABLE  
STIMES: STIMES  
SPENTILLS: SPENTILLS



|                          |                               |                          |
|--------------------------|-------------------------------|--------------------------|
| <i>Pls Sta 42+31.878</i> | <i>Pl Sta 51+64.793</i>       | <i>Pls Sta 60+24.817</i> |
| <i>Os = 1° 01' 52.8"</i> | <i>Δ = 39° 42' 57.7" (LT)</i> | <i>Os = 1° 01' 52.8"</i> |
| <i>Ls = 90.000</i>       | <i>L = 1,732.939</i>          | <i>Ls = 90.000</i>       |
| <i>LT = 60.001</i>       | <i>T = 902.916</i>            | <i>LT = 60.001</i>       |
| <i>ST = 30.001</i>       | <i>R = 2,500.000</i>          | <i>ST = 30.001</i>       |
|                          | <i>SE = 0.03</i>              |                          |

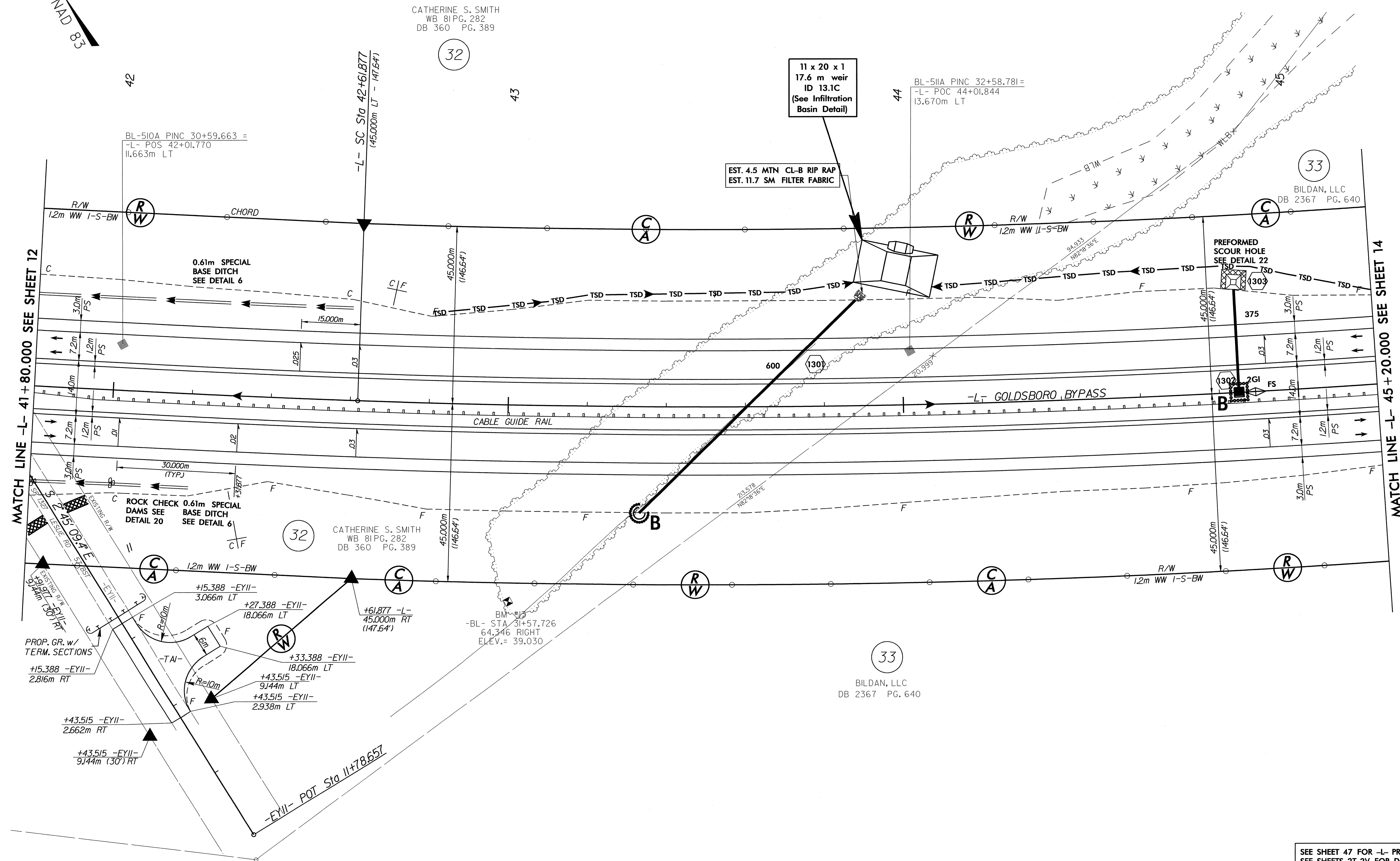
CATHERINE S. SMITH  
WB 81 PG. 282  
DB 360 PG. 389

11 x 20 x 1  
17.6 m weir  
ID 13.1C  
(See Infiltration  
Basin Detail)

EST. 4.5 MTN CL-B RIP RAP  
EST. 11.7 SM FILTER FABRIC

BL-5IIA PINC 32+58.781=  
-L- POC 44+01.844  
13.670m LT

|                            |                        |
|----------------------------|------------------------|
| PROJECT REFERENCE NO.      | SHEET NO.              |
| R-2554A                    | EC-58/CONST 13         |
| R /W SHEET NO. 13          |                        |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |



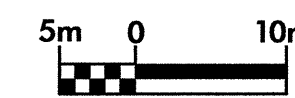
|              |            |           |
|--------------|------------|-----------|
| FILE:        | \$FILE\$   | \$TIMES\$ |
| DATE:        | \$DATES\$  |           |
| PLOT DRIVER: | \$PLTDRL\$ |           |
| PEN TABLE:   | \$PENTBL\$ |           |

OBLITERATE EXIST. ROAD 

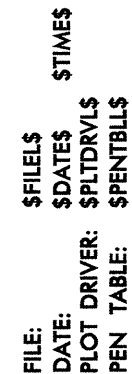
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 47 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS



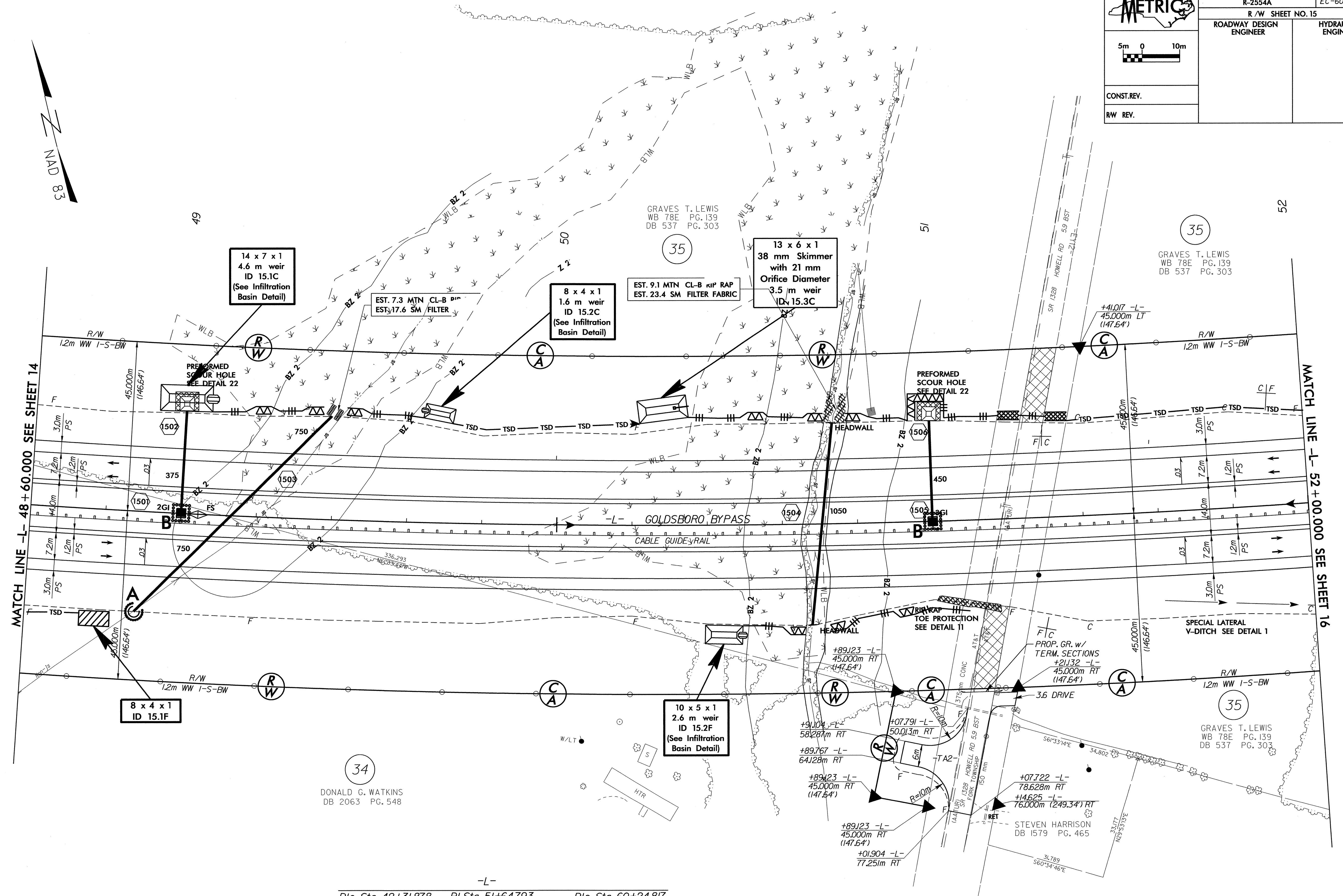


|            |
|------------|
| CONST.REV. |
| R/W REV.   |



SEE SHEET 47 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS





| -L-                             |                                     |  |                                 |  |  |
|---------------------------------|-------------------------------------|--|---------------------------------|--|--|
| <i>Pls Sta</i> 42+31.878        | <i>Pl Sta</i> 51+64.793             |  | <i>Pls Sta</i> 60+24.817        |  |  |
| $\Theta_s = 1^{\circ}01'52.8''$ | $\Delta = 39^{\circ}42'57.7''$ (LT) |  | $\Theta_s = 1^{\circ}01'52.8''$ |  |  |
| <i>Ls</i> = 90.000              | <i>L</i> = 1,732.939                |  | <i>Ls</i> = 90.000              |  |  |
| <i>LT</i> = 60.000              | <i>T</i> = 902.916                  |  | <i>LT</i> = 60.000              |  |  |
| <i>ST</i> = 30.000              | <i>R</i> = 2,500.000                |  | <i>ST</i> = 30.000              |  |  |
|                                 | <i>SE</i> = 0.03                    |  |                                 |  |  |

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 48 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS



NAD 83

-L-

Pls Sta 42+31.878 Pls Sta 51+64.793 Pls Sta 60+24.817

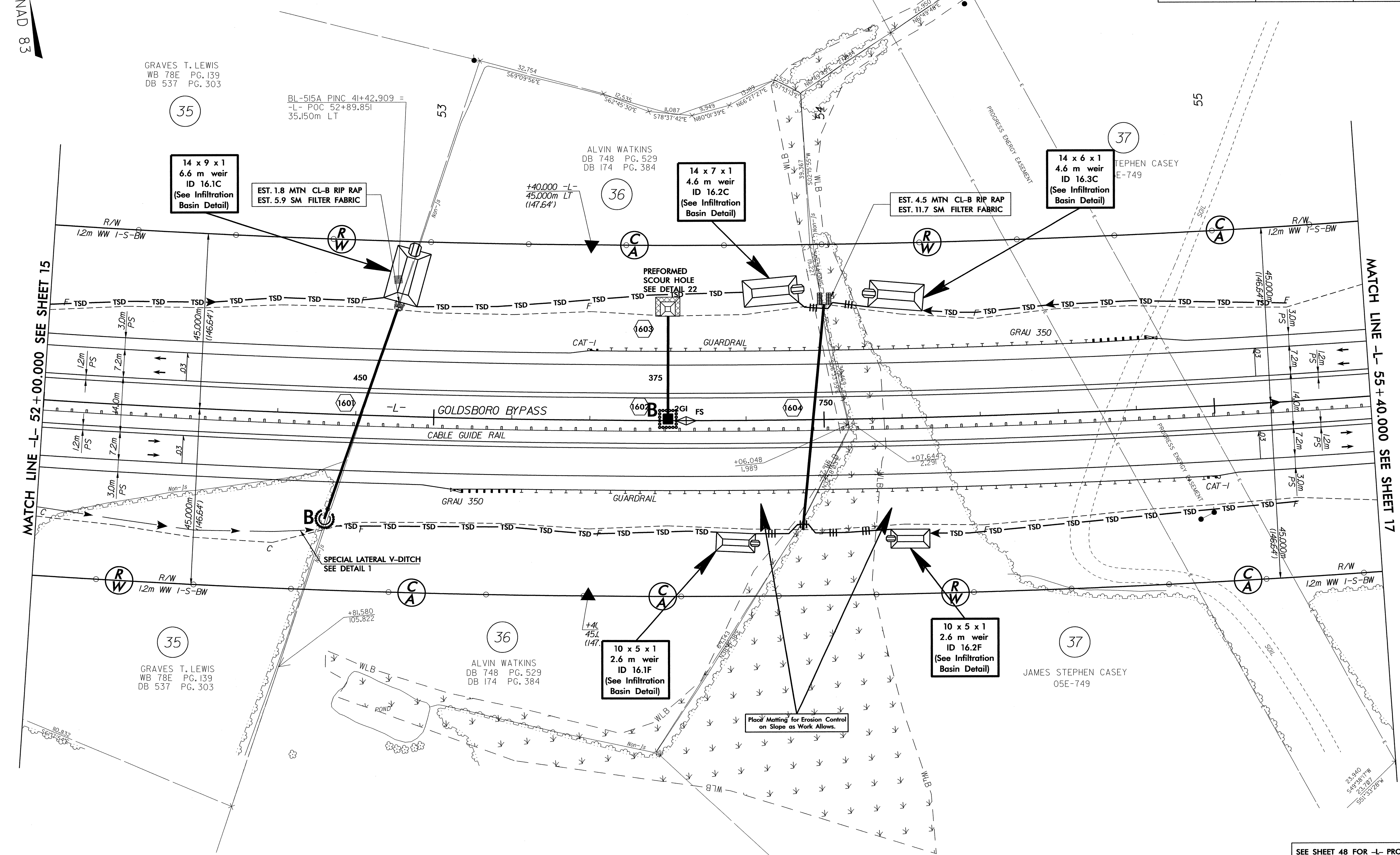
$\Theta_s = 1^{\circ}01'52.8''$   $\Delta = 39^{\circ}42'57.7''$  (LT)  $\Theta_s = 1^{\circ}01'52.8''$

$L_s = 90.000$   $L = 1,732.939$   $L_s = 90.000$

$LT = 60.001$   $T = 902.916$   $LT = 60.001$

$ST = 30.001$   $R = 2,500.000$   $ST = 30.001$

$SE = 0.03$



FILE: SFILES  
DATE: SDATES  
PLOT: DRIVER: SPICER  
PEN: TABLE: SPENCER

OBLITERATE EXIST. ROAD

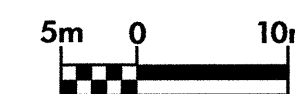
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 48 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS





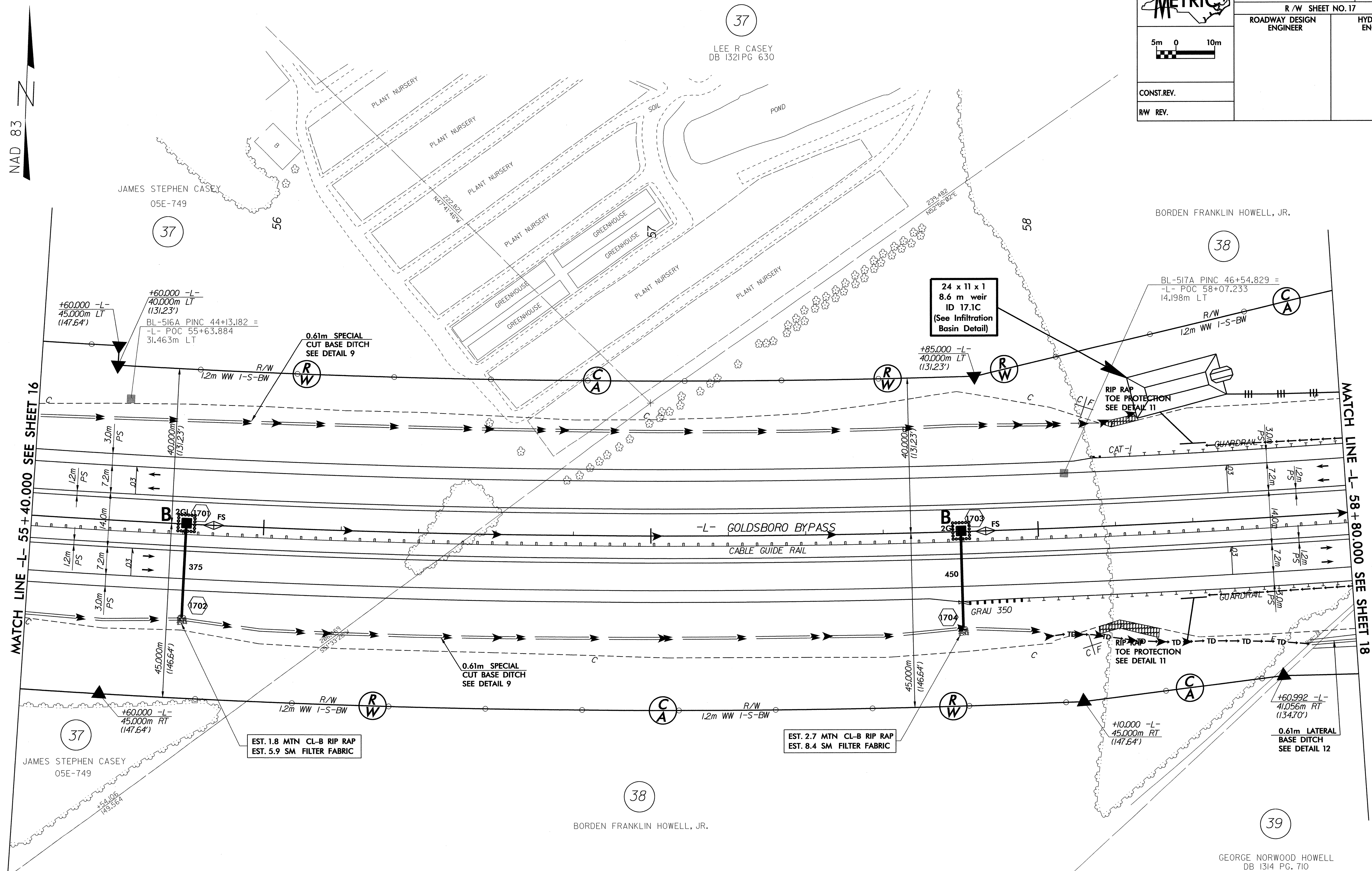
| PROJECT REFERENCE NO.   |  | SHEET NO.           |
|-------------------------|--|---------------------|
| R-2554A                 |  | EC-62/CONST.17      |
| R/W SHEET NO. 17        |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
| CONST. REV.             |  |                     |
| RW REV.                 |  |                     |



NAD 83

MATCH LINE -L- 55+40.000 SEE SHEET 16

MATCH LINE -L- 58+80.000 SEE SHEET 18



| -L-                             |                                     |                                 |
|---------------------------------|-------------------------------------|---------------------------------|
| Pls Sta 42+31.878               | Pl Sta 51+64.793                    | Pls Sta 60+24.817               |
| $\Theta_s = 1^\circ 01' 52.8''$ | $\Delta = 39^\circ 42' 57.7''$ (LT) | $\Theta_s = 1^\circ 01' 52.8''$ |
| $L_s = 90.000$                  | $L = 1,732.939$                     | $L_s = 90.000$                  |
| $LT = 60.001$                   | $T = 902.916$                       | $LT = 60.001$                   |
| $ST = 30.001$                   | $R = 2,500.000$                     | $ST = 30.001$                   |
|                                 | $SE = 0.03$                         |                                 |

OBLITERATE EXIST. ROAD

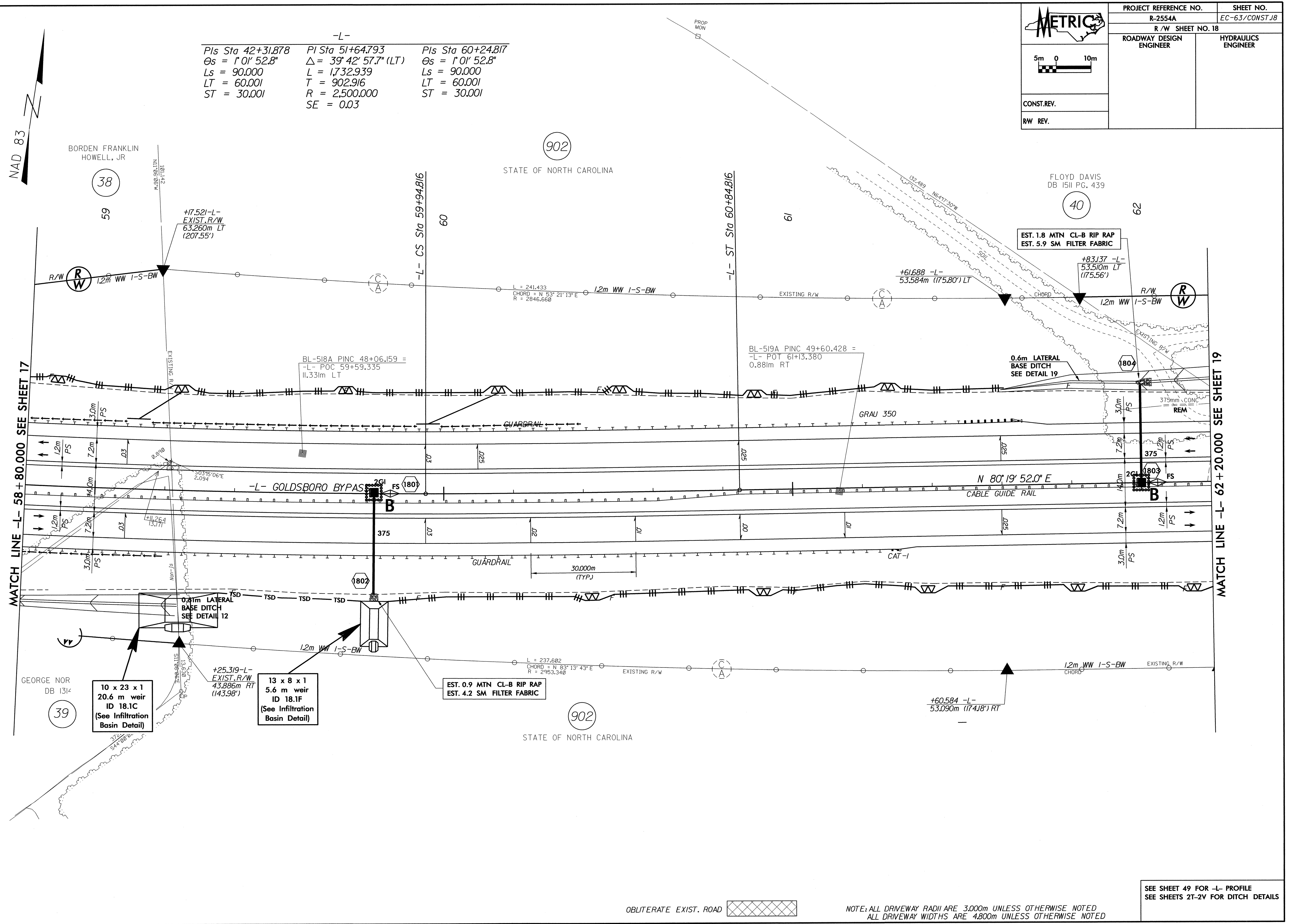
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 49 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

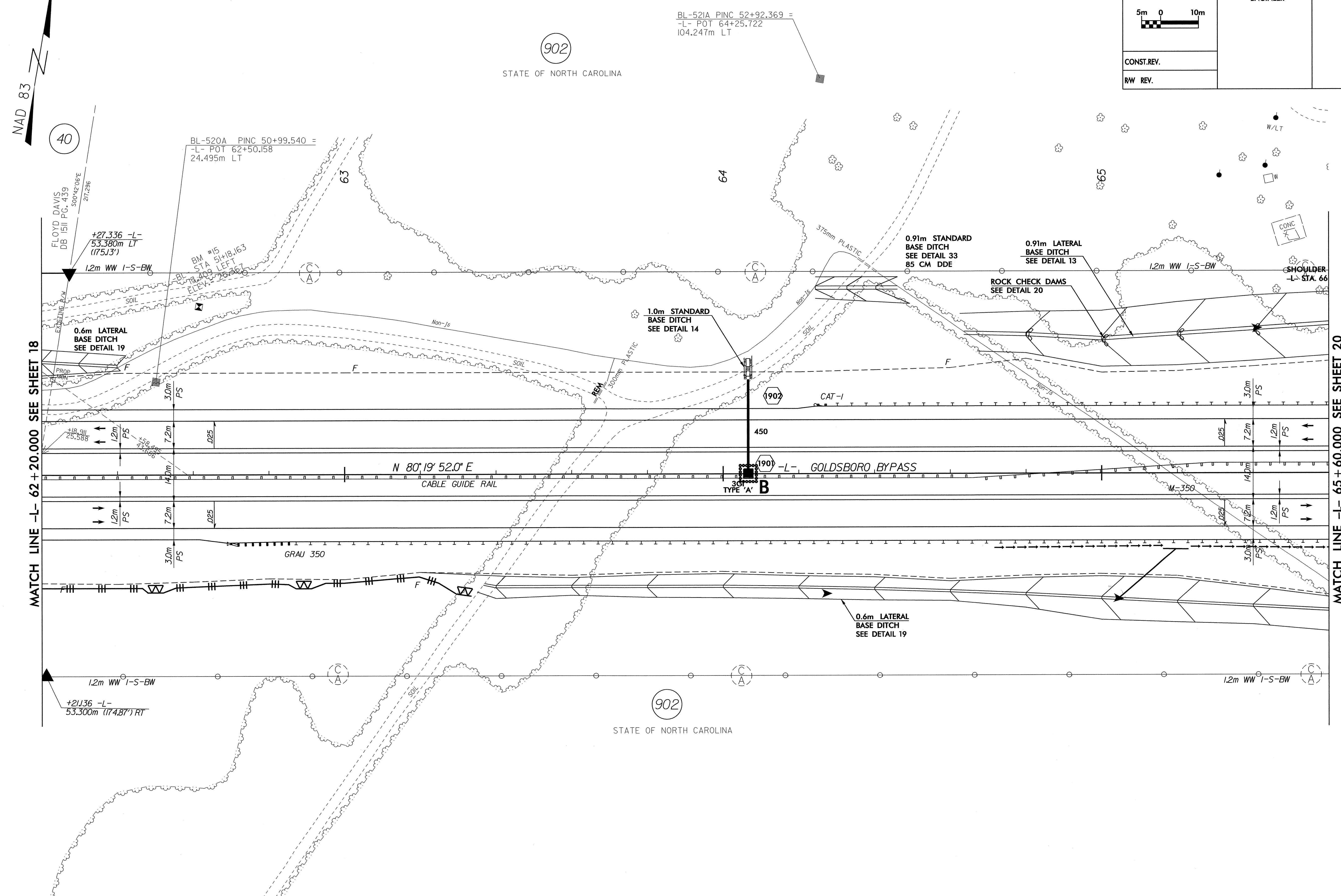
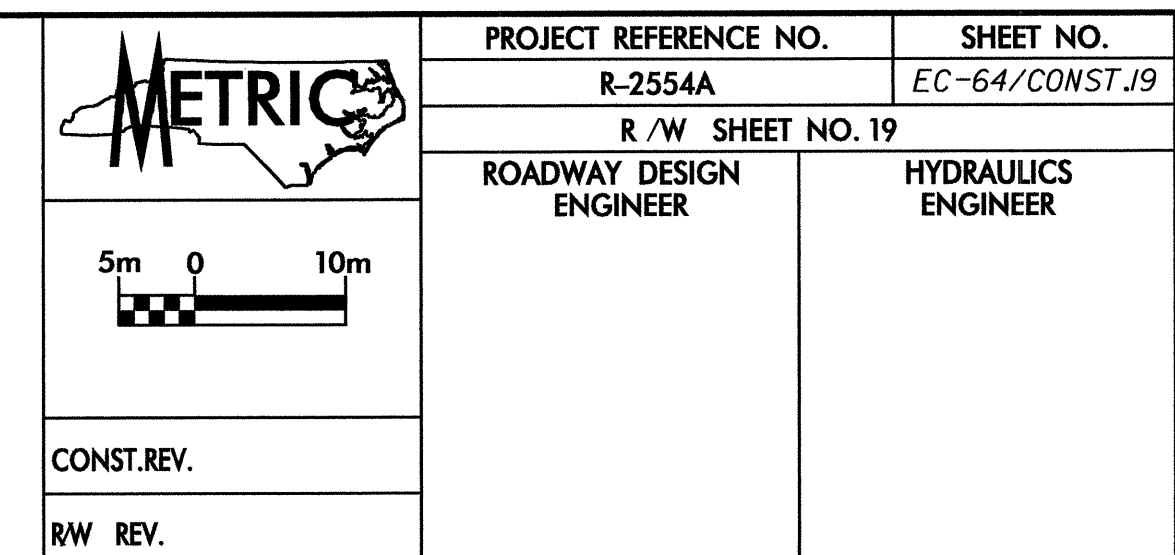
FILE: SFILES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRVS  
PEN TABLE: SPENTBLS

STIMES









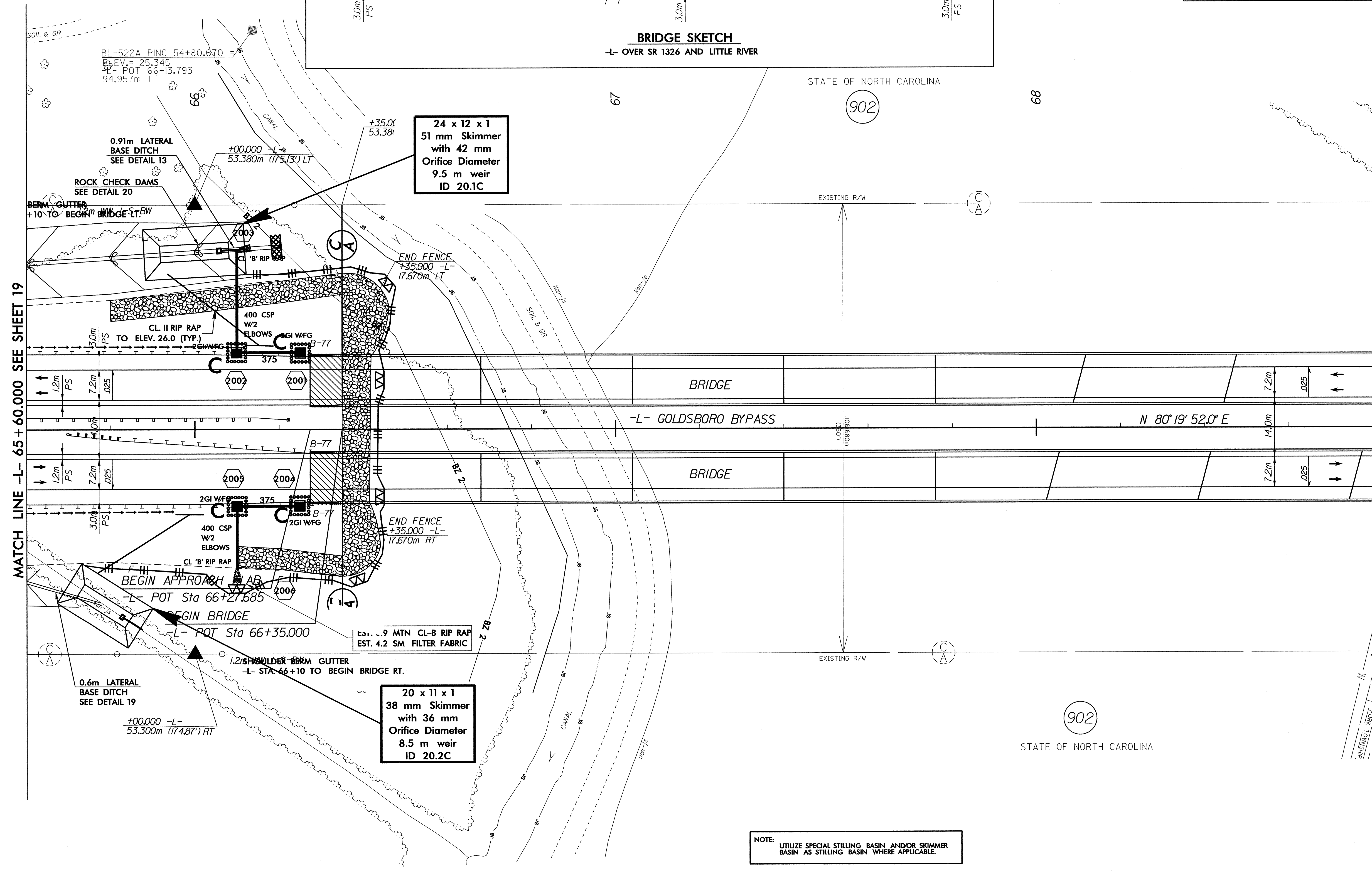
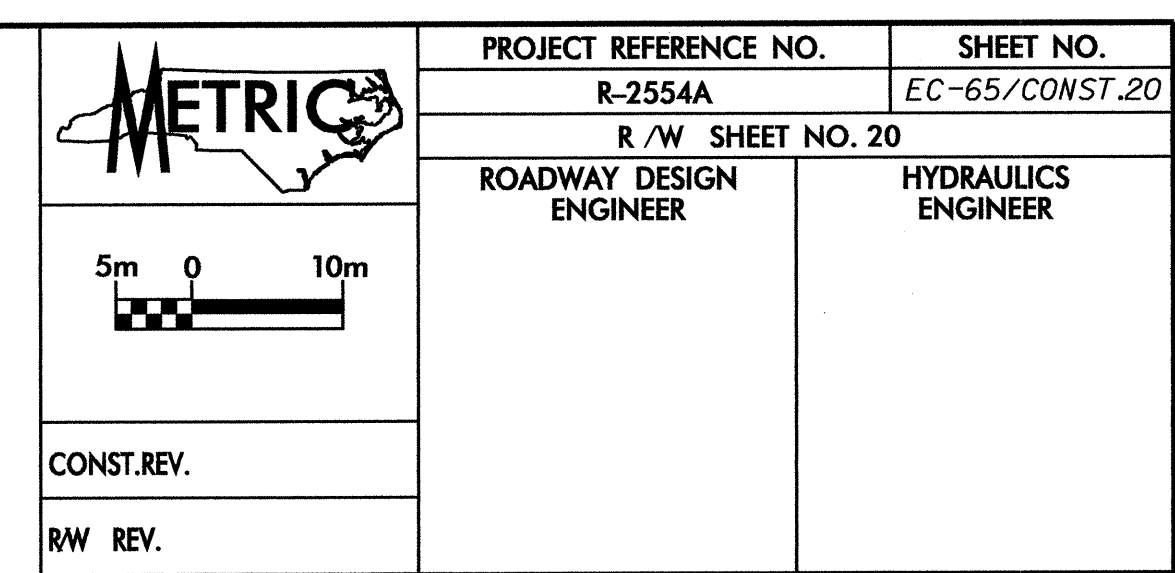
|              |           |         |
|--------------|-----------|---------|
| FILE:        | \$FILE\$  |         |
| DATE:        | \$DATES   | \$TIMES |
| PLOT DRIVER: | \$PLTDVLS |         |
| PEN TABLE:   | \$PENTBLS |         |

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 50 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS





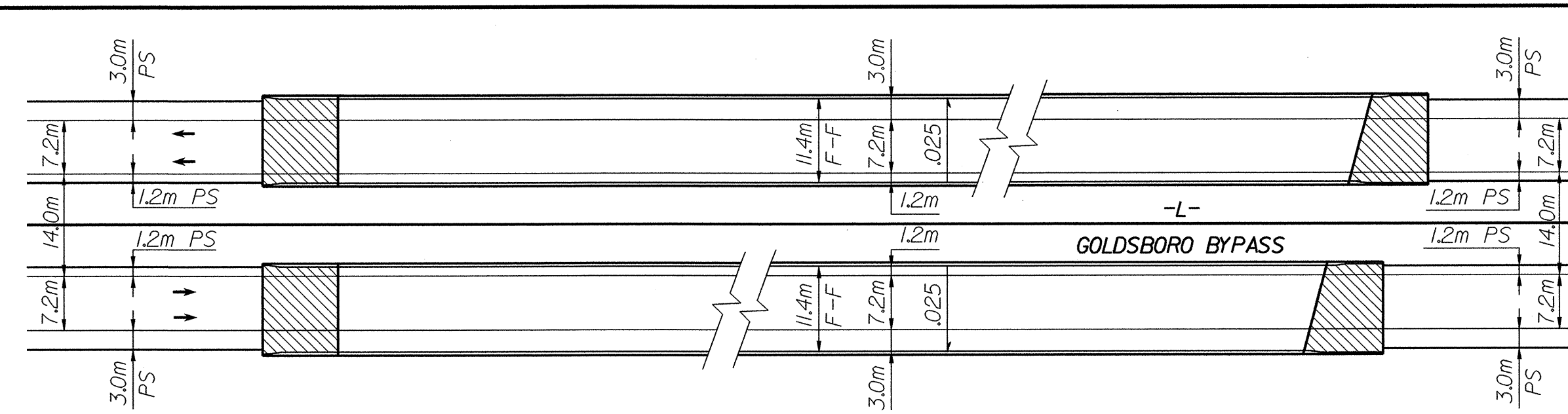
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 50 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

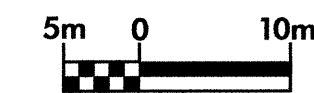
|              |           |         |
|--------------|-----------|---------|
| FILE:        | \$FILE\$  | \$TIMES |
| DATE:        | \$DATE\$  |         |
| PLOT DRIVER: | \$PLTDVLS |         |
| PEN TABLE:   | \$PENTBLS |         |



NOTE: UTILIZE TEMPORARY ROCK SEDIMENT DAM TYPE - B AS STILLING BASIN WHERE APPLICABLE.



**BRIDGE SKETCH**  
-L- OVER SR 1326 AND LITTLE RIVER



CONST.REV.

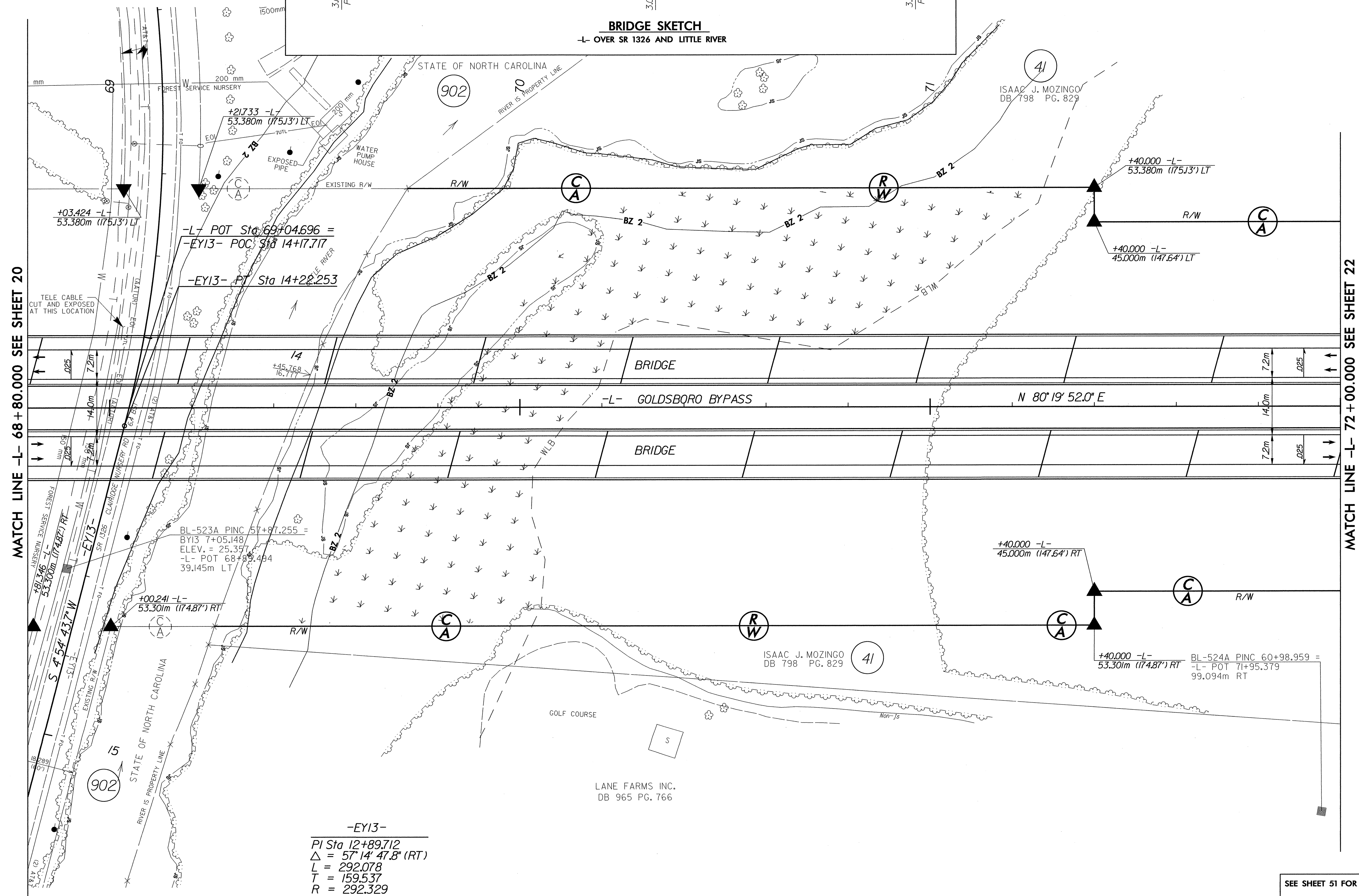
RW REV.

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
|-----------------------|-----------|

|         |                |
|---------|----------------|
| R-2554A | EC-66/CONST.21 |
|---------|----------------|

R /W SHEET NO. 21, 4 &amp; 5 (R-2554B)

|                            |                        |
|----------------------------|------------------------|
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |
|----------------------------|------------------------|



-EY13-

---

PI Sta 12+89.712  
 $\Delta = 57^\circ 14' 47.8''$  (RT)  
 $L = 292.078$   
 $T = 159.537$   
 $R = 292.329$

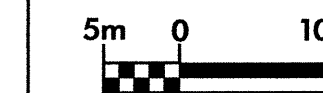
OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 51 FOR -L- PROFILE

|              |            |         |
|--------------|------------|---------|
| FILE:        | \$FILE\$   | \$TIMES |
| DATE:        | \$DATE\$   |         |
| PLOT DRIVER: | \$PLTDRL\$ |         |
| PEN TABLE:   | \$PENTBL\$ |         |





CONST. REV.

R/W REV.

PROJECT REFERENCE NO.

R-2554A

SHEET NO.

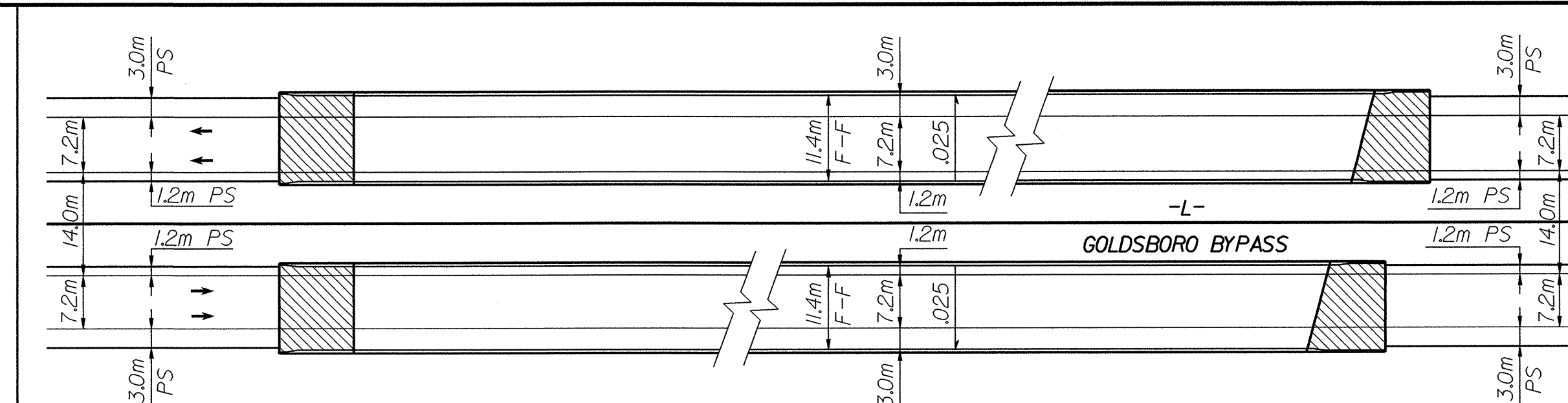
EC-67/CONST.22

R/W SHEET NO. 5 & 6 (R-2554B)

ROADWAY DESIGN  
ENGINEER

HYDRAULICS  
ENGINEER

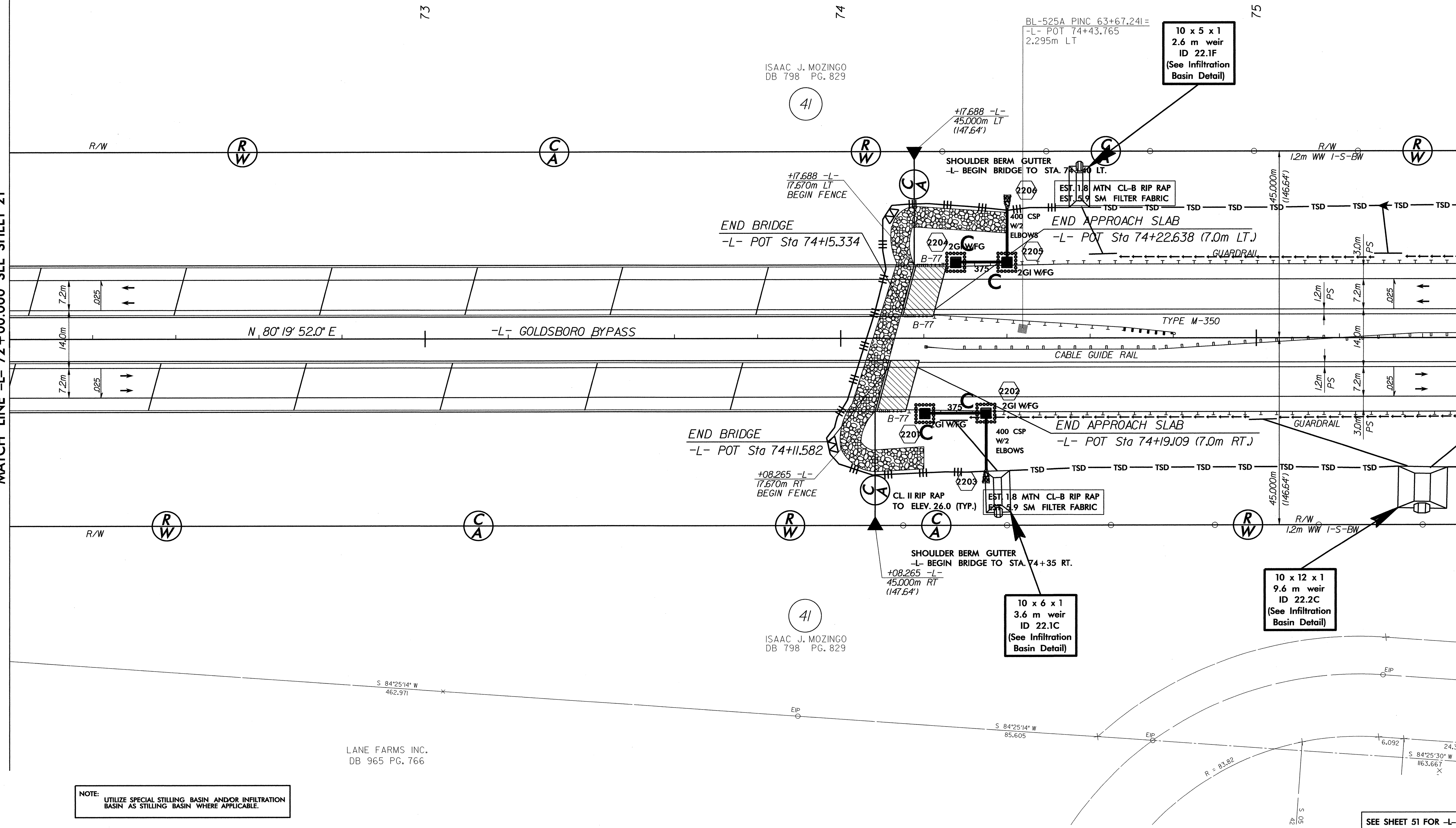
NAD 83



**BRIDGE SKETCH**  
-L- OVER SR 1326 AND LITTLE RIVER

MATCH LINE -L- 72+00.000 SEE SHEET 21

MATCH LINE -L- 75+50.000 SEE SHEET 23



NOTE: UTILIZE SPECIAL STILLING BASIN AND/OR INFILTRATION BASIN AS STILLING BASIN WHERE APPLICABLE.

OBLITERATE EXIST. ROAD

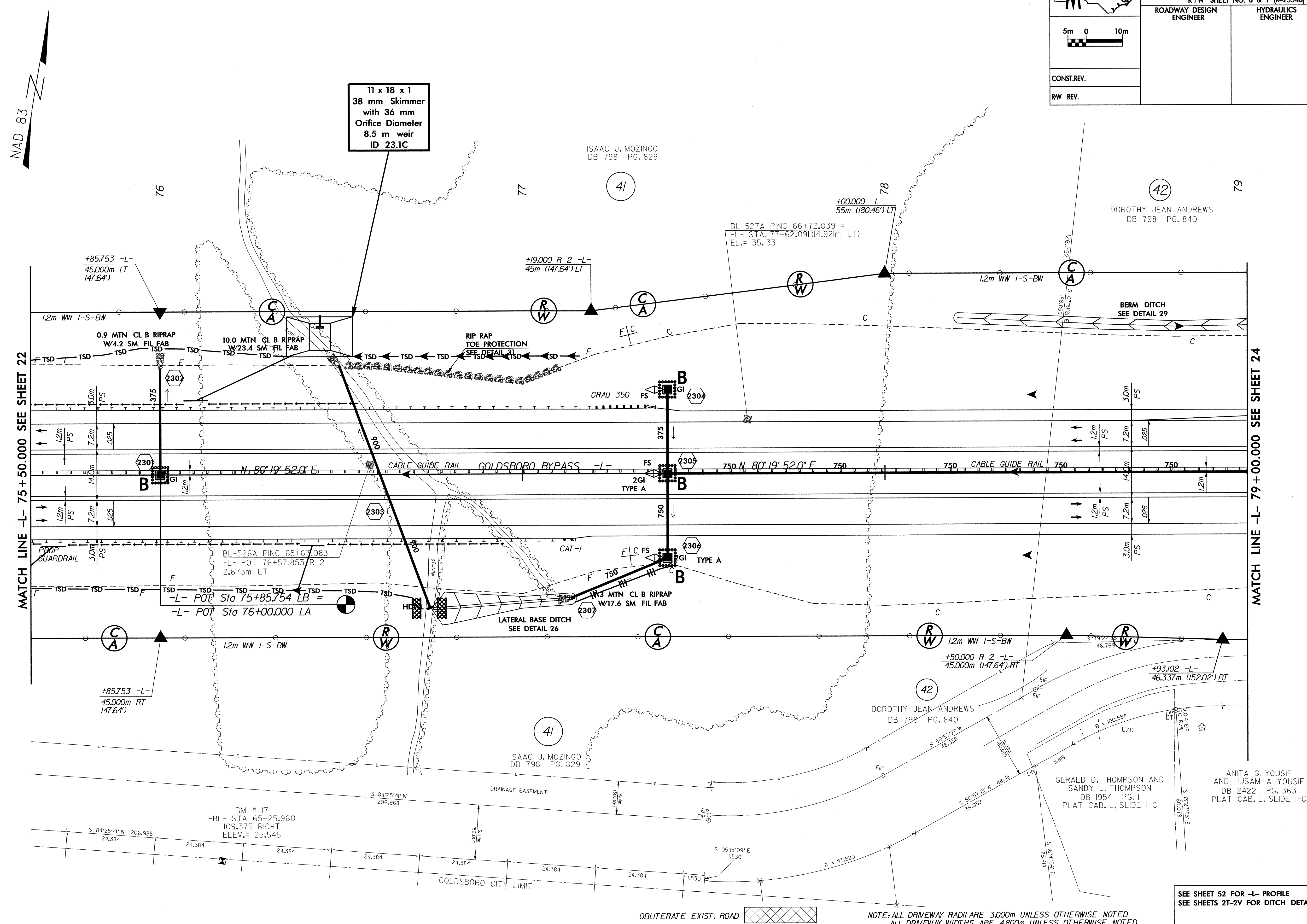
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED.

SEE SHEET 51 FOR -L- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: SDATES  
PLOT DRIVER: SPLOTDRVL  
PEN TABLE: SPENTBLLS

STIMES





FILE: SFILES  
DATE: 01/11/2011  
DRAWN: J. L. THOMPSON  
CHECKED: J. L. THOMPSON  
SCALE: AS SHOWN

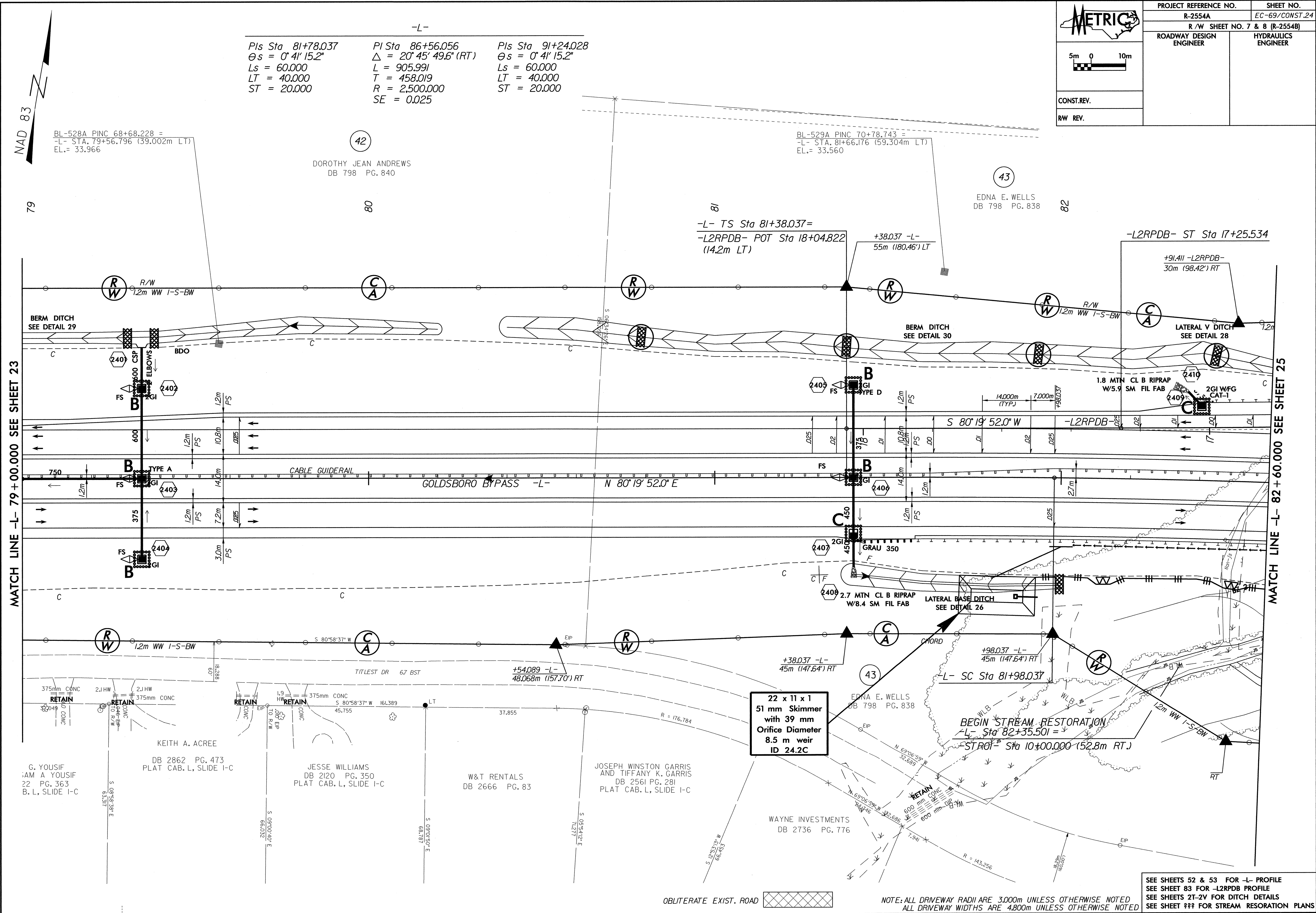
SEE SHEET 52 FOR -L- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED



-L-

|                                                                                     |                                                                                                          |                                                                                     |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Pls Sta 81+78.037<br>θs = 0° 41' 15.2"<br>Ls = 60.000<br>LT = 40.000<br>ST = 20.000 | Pls Sta 86+56.056<br>Δ = 20° 45' 49.6" (RT)<br>L = 905.991<br>T = 458.019<br>R = 2,500.000<br>SE = 0.025 | Pls Sta 91+24.028<br>θs = 0° 41' 15.2"<br>Ls = 60.000<br>LT = 40.000<br>ST = 20.000 |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|



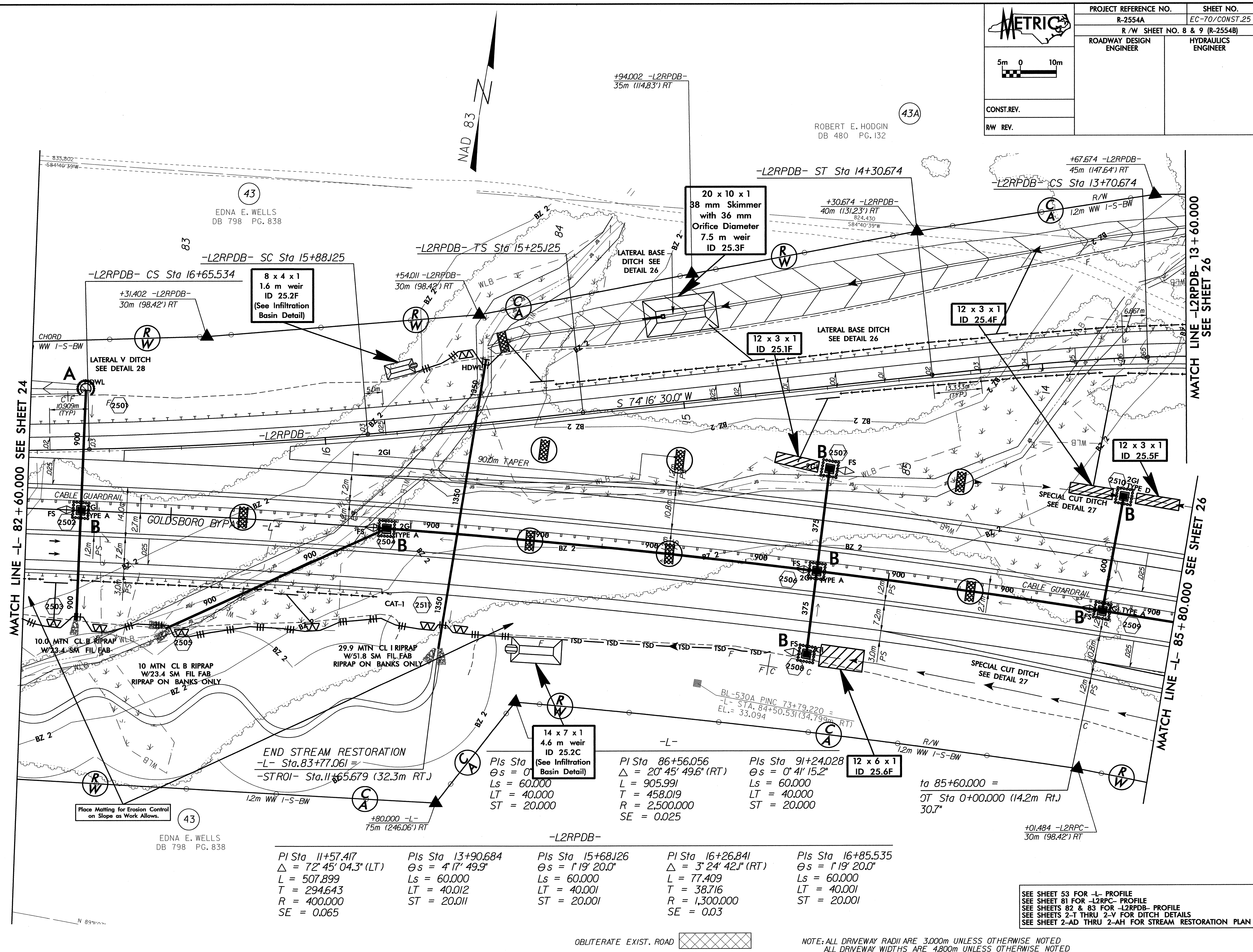
FILE: SFILES STIMES  
DATE: 01/11/2011  
DRAWN: J. GARRIS  
PER: J. GARRIS

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 52 & 53 FOR -L- PROFILE  
SEE SHEET 83 FOR -L2RPDB PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS  
SEE SHEET ??? FOR STREAM RESTORATION PLANS





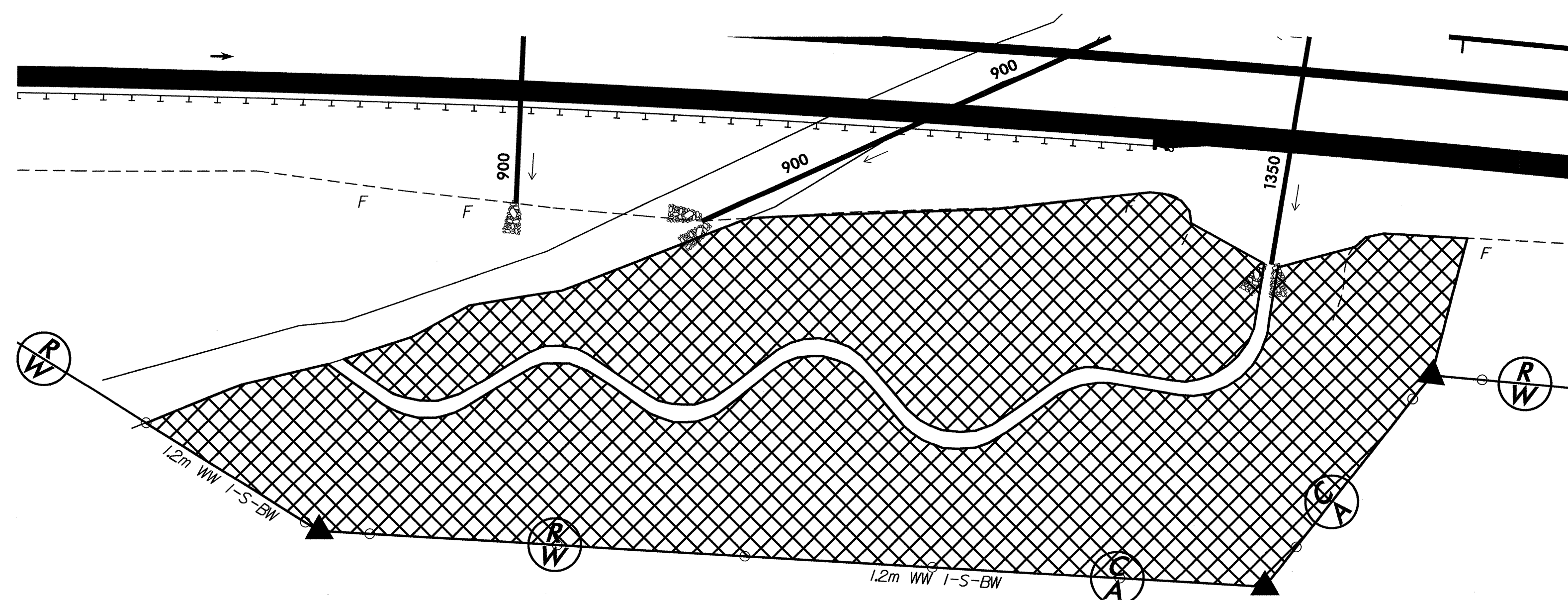
|              |             |         |
|--------------|-------------|---------|
| FILE:        | \$FILE\$    | \$TIMES |
| DATE:        | \$DATES     |         |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBLL\$ |         |





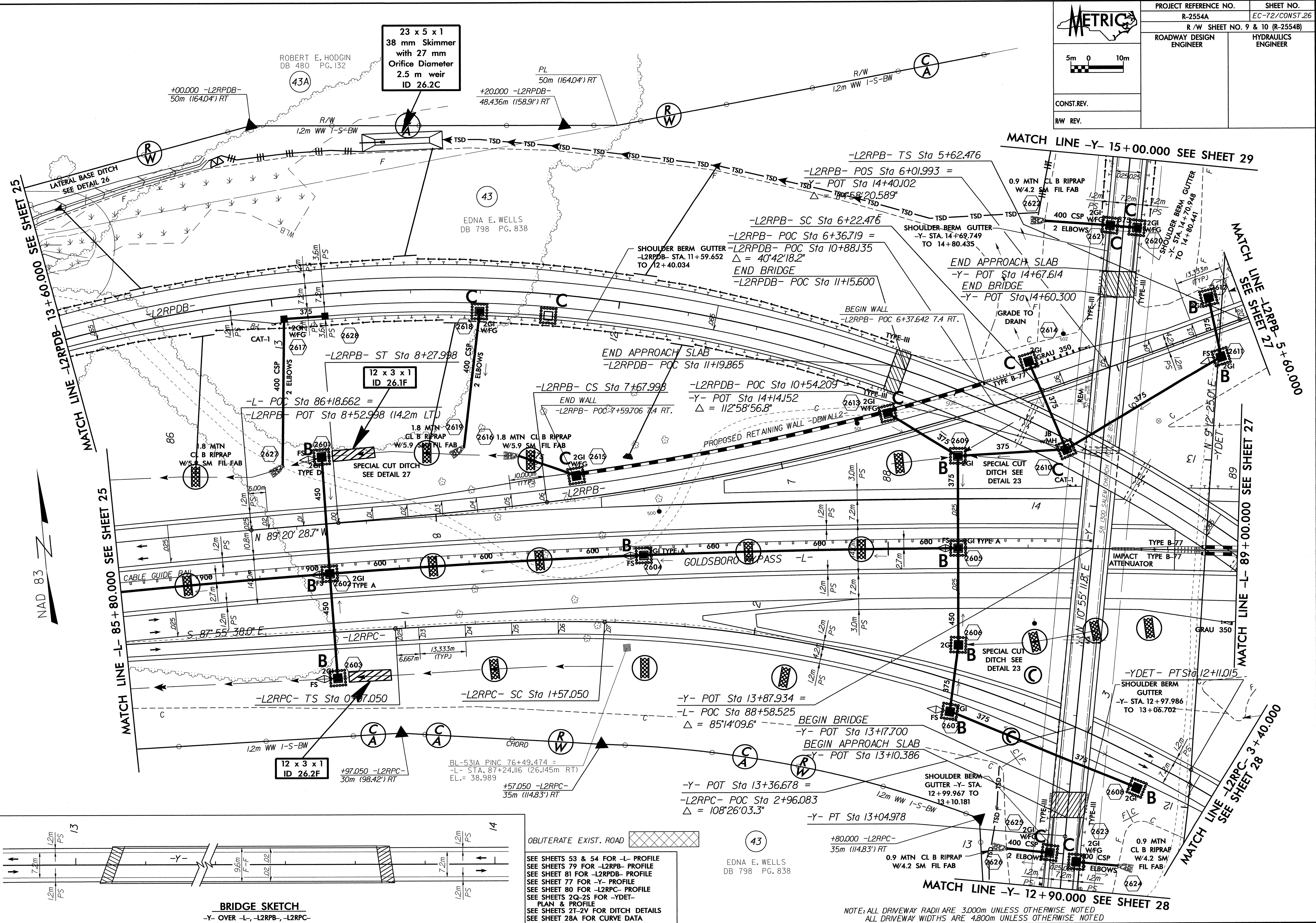
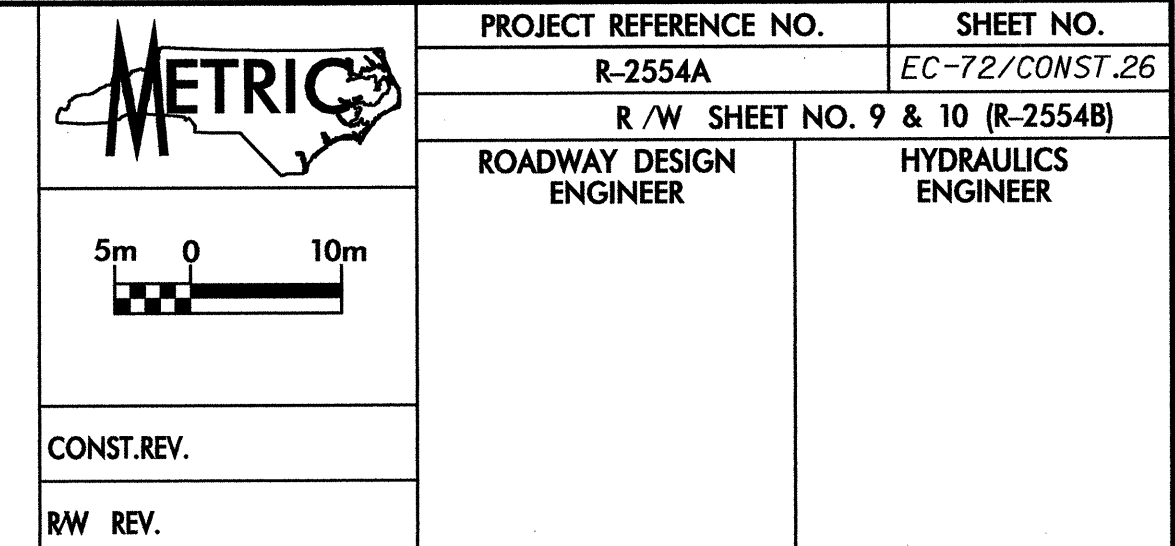
|                         |                     |
|-------------------------|---------------------|
| PROJECT REFERENCE NO.   | SHEET NO.           |
| R-2554A                 | EC-71/CONST.25      |
| R/W SHEET NO.           |                     |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |

# 0.6 HECTARE STREAMBANK REFORESTATION

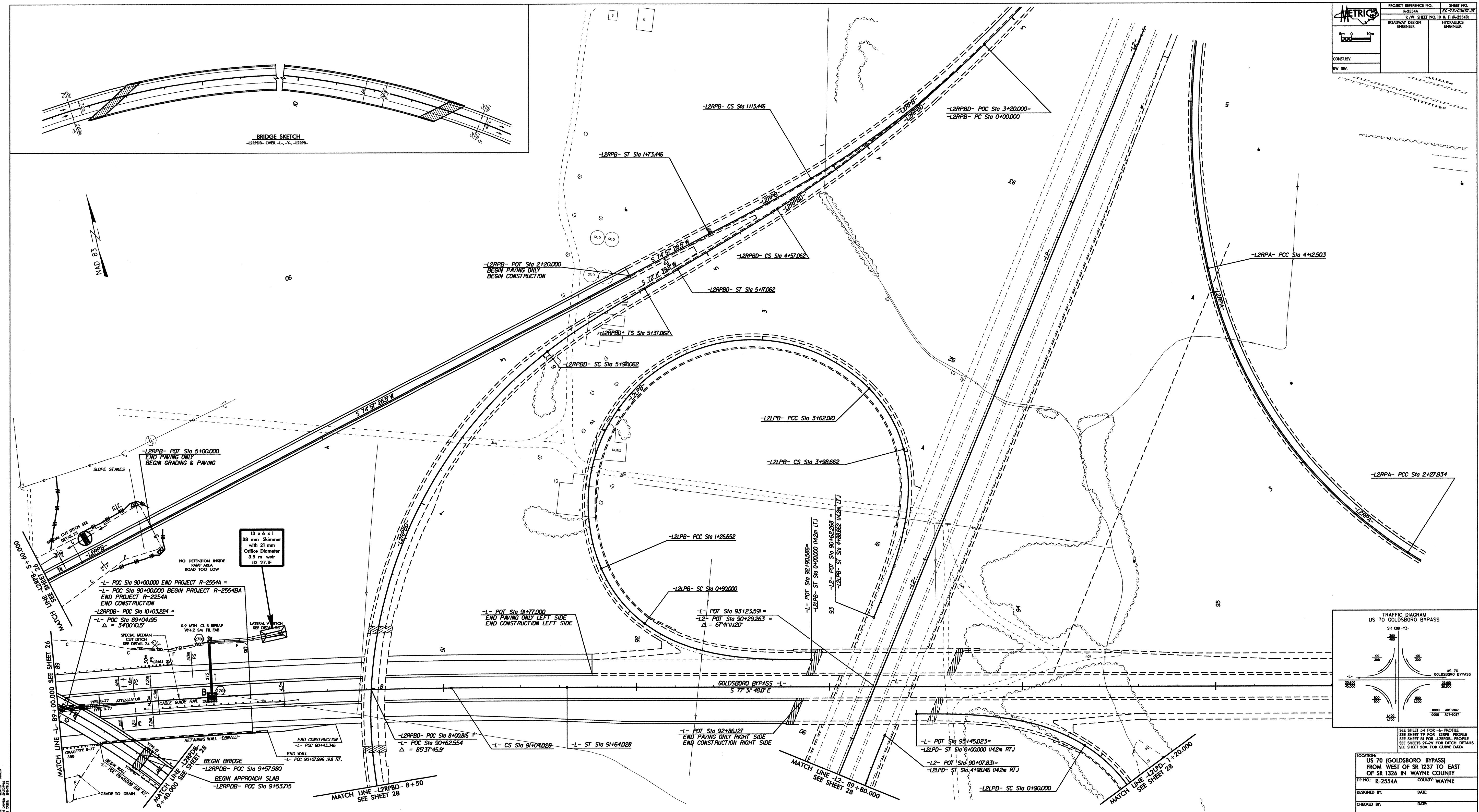


SEE RF-2, RF-3 AND PROJECT SPECIAL PROVISIONS



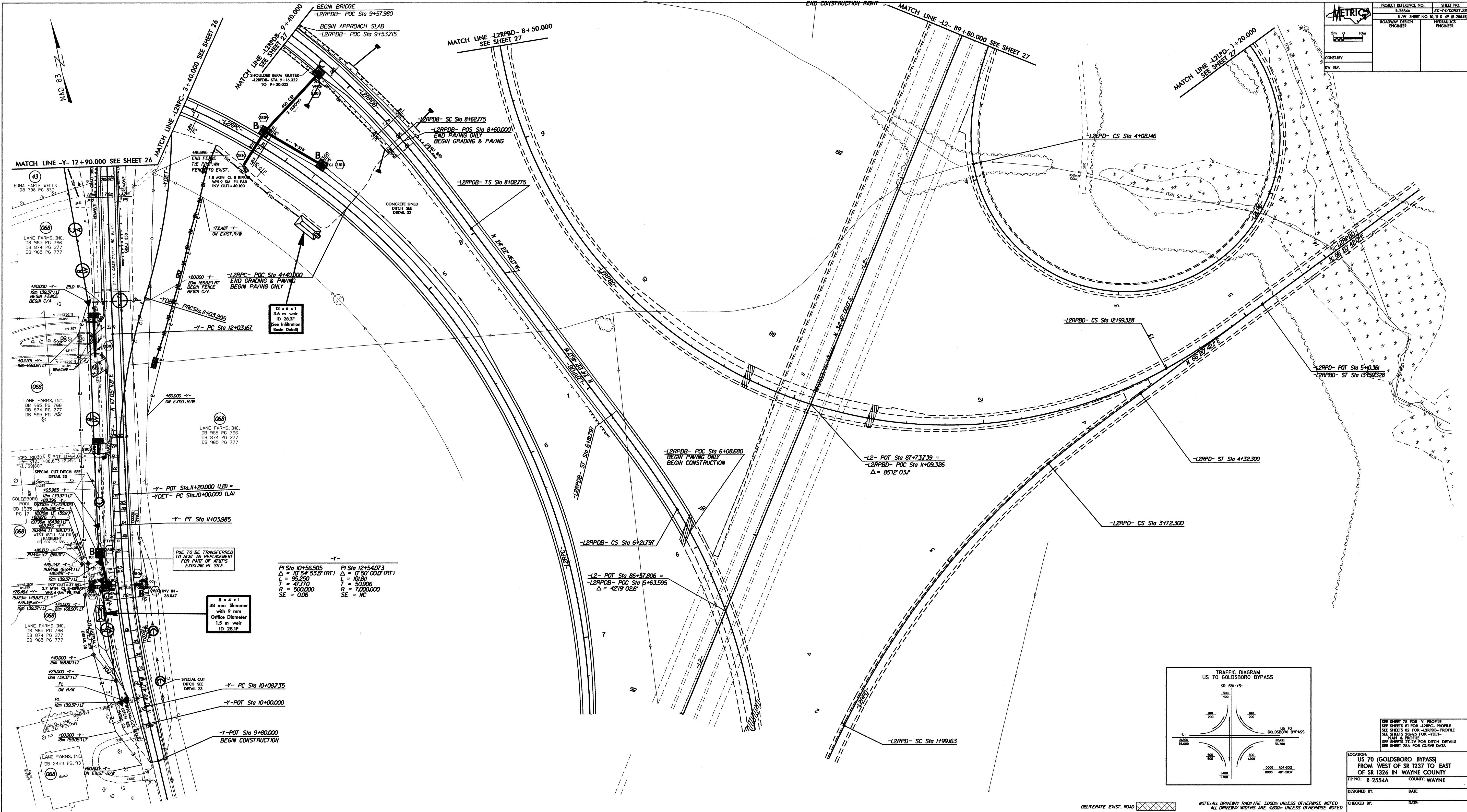




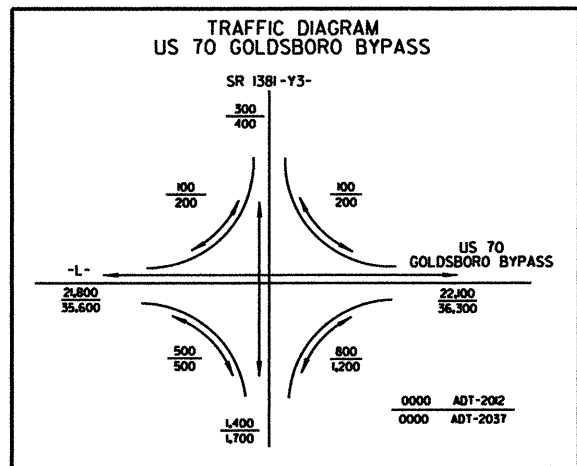




R/W REV: 02/2/02  
ADDED PUE NOTES, MONUMENTS - PARCEL 68  
R/W REV: 02/2/02  
CORRECTED PROPOSED P/W AND PDE - PARCEL 68  
R/W REV: 02/2/02  
CORRECTED PROPOSED P/W AND PDE - PARCEL 68  
R/W REV: 02/2/02  
CORRECTED PROPOSED P/W AND PDE - PARCEL 68  
R/W REV: 02/2/02  
CORRECTED PROPOSED P/W AND PDE - PARCEL 68



|                       |            |
|-----------------------|------------|
| PROJECT REFERENCE NO. | SHEET NO.  |
| R-2554A               | 10 OF 10   |
| ROADWAY DESIGN        | HYDRAULICS |
| ENGINEER              | ENGINEER   |

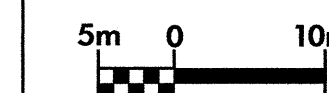


SEE SHEET 78 FOR Y-PROFILE  
SEE SHEET 81 FOR L2RPP-PROFILE  
SEE SHEET 82 FOR L2RPP-PROFILE  
SEE SHEET 24.25 FOR YDE-  
PLAN & PROFILE  
SEE SHEET 27.28 FOR DITCH DETAILS  
SEE SHEET 28A FOR CURVE DATA

LOCATION:  
US 70 (GOLDSBORO BYPASS)  
FROM WEST OF SR 1237 TO EAST  
OF SR 1324 IN WAYNE COUNTY  
IF NO: R-2554A COUNTY: WAYNE

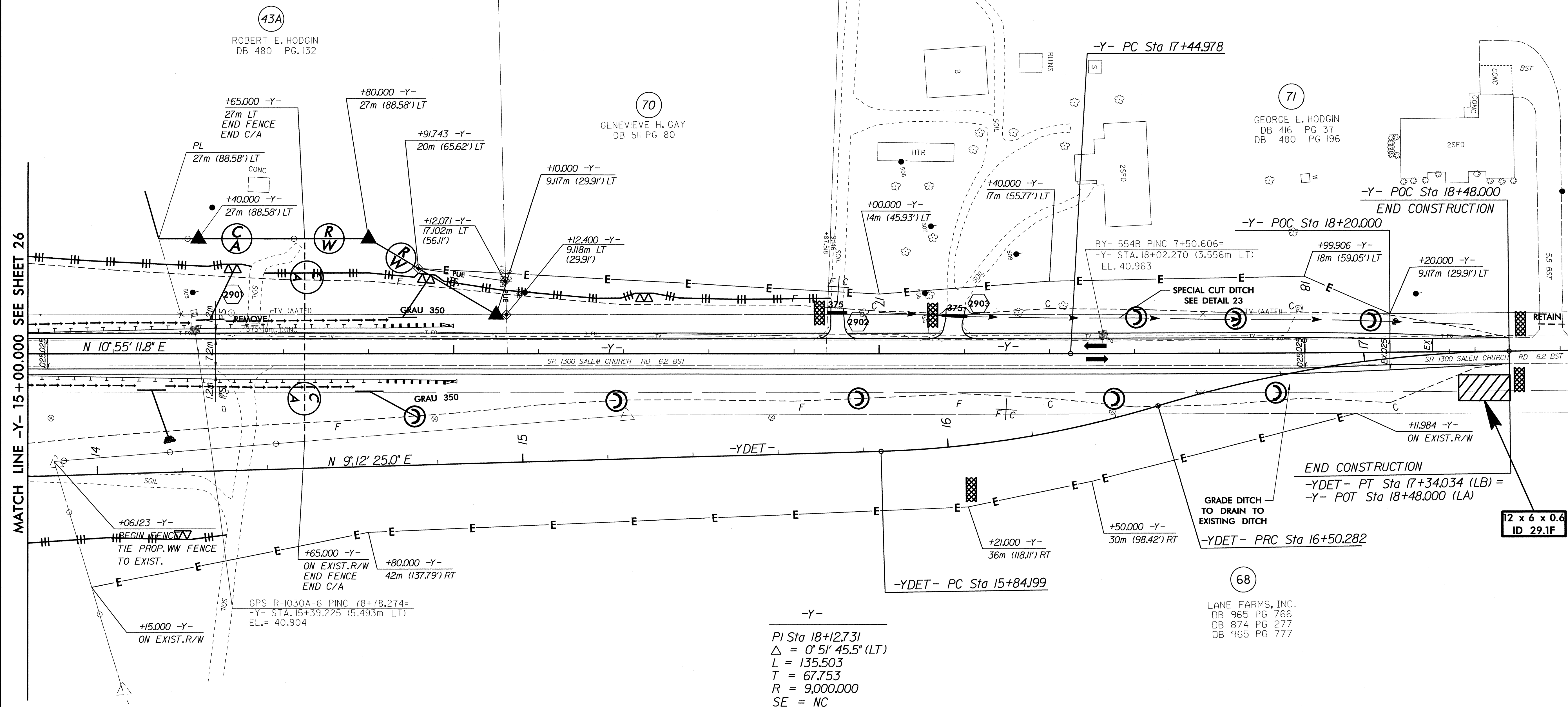
DESIGNED BY: DATE: CHECKED BY: DATE:





RW REV

|                                   |  |                        |
|-----------------------------------|--|------------------------|
| PROJECT REFERENCE NO.             |  | SHEET NO.              |
| R-2554A                           |  | EC-75/CONST. 2         |
| R / W SHEET NO. 10 & 61 (R-2554B) |  |                        |
| ROADWAY DESIGN<br>ENGINEER        |  | HYDRAULICS<br>ENGINEER |



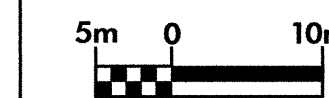
OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 78 & 79 FOR -Y- PROFILE  
SEE SHEETS 2Q-2S FOR -YDET-  
PLAN & PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

|              |             |
|--------------|-------------|
| FILE:        | \$FILE\$    |
| DATE:        | \$DATES     |
| PLOT DRIVER: | \$PLTDRVL\$ |
| PEN TABLE:   | \$PENTBL\$  |

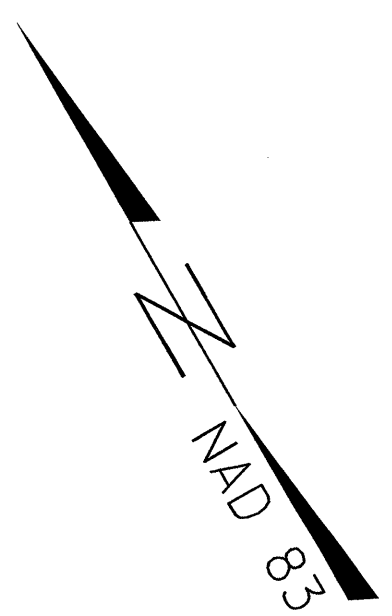




CONST. REV.

R/W REV.

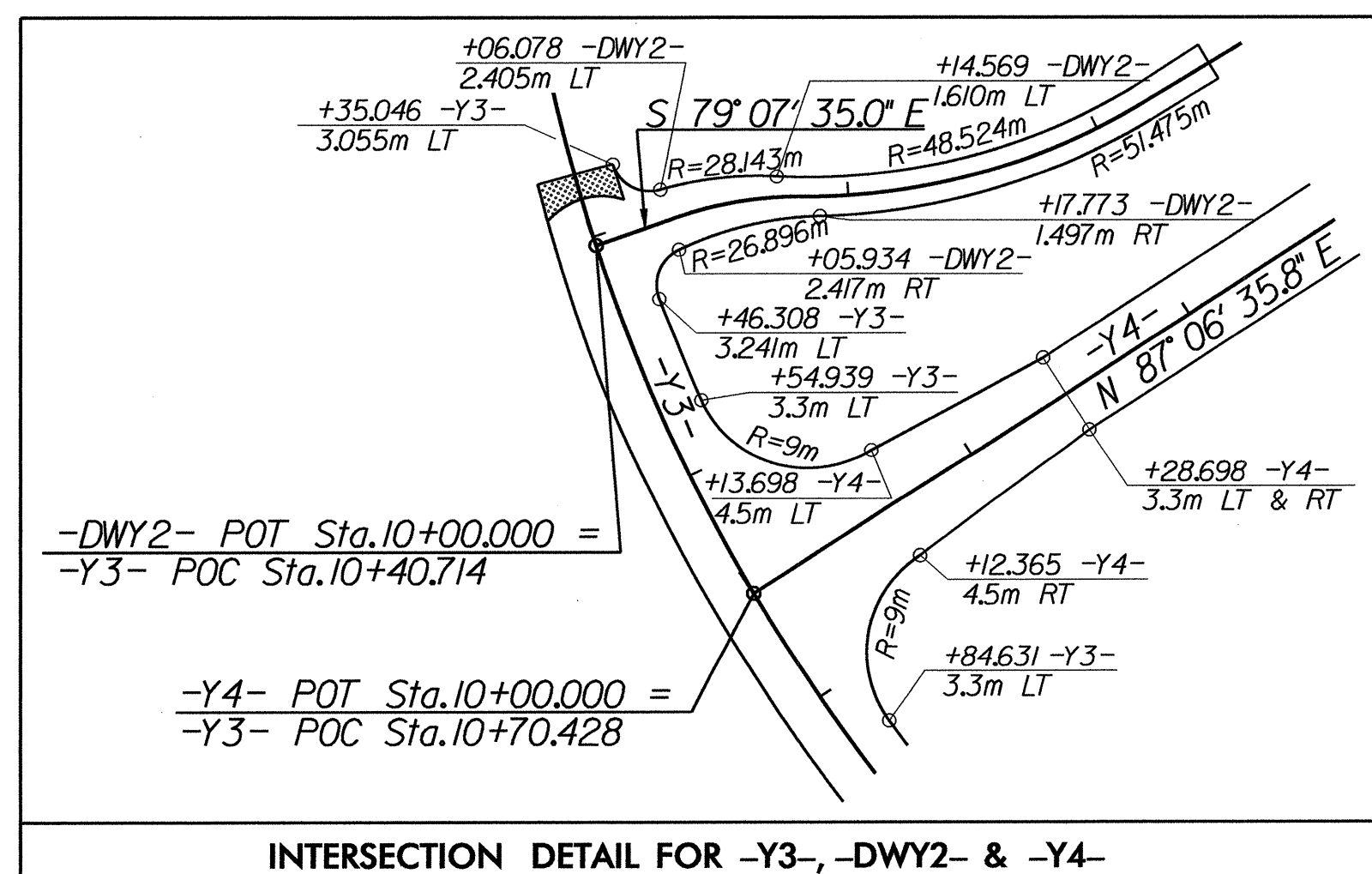
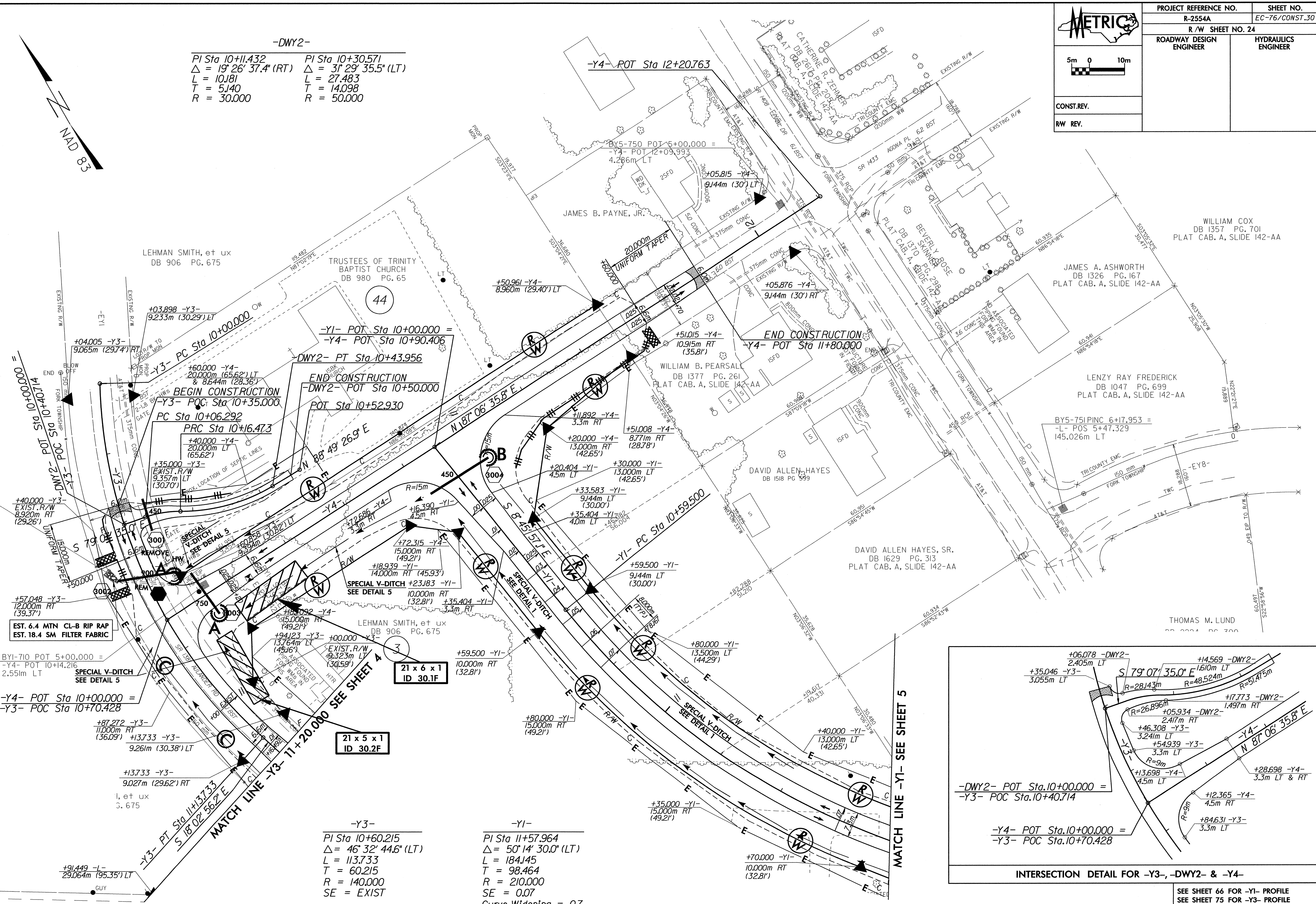
| PROJECT REFERENCE NO.   |                     | SHEET NO.      |
|-------------------------|---------------------|----------------|
| R-2554A                 |                     | EC-76/CONST.30 |
| R/W SHEET NO. 24        |                     |                |
| ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |                |



-DWY2-  
PI Sta 10+11.432  
 $\Delta = 19^\circ 26' 37.4''$  (RT)  
L = 10.181  
T = 5.140  
R = 30.000

PI Sta 10+30.571  
 $\Delta = 31^\circ 29' 35.5''$  (LT)  
L = 27.483  
T = 14.098  
R = 50.000

-Y4- POT Sta 12+20.763



INTERSECTION DETAIL FOR -Y3-, -DWY2- & -Y4-

-DWY2- POT Sta 10+00.000 =  
-Y3- POC Sta 10+40.714

-Y4- POT Sta 10+00.000 =  
-Y3- POC Sta 10+70.428

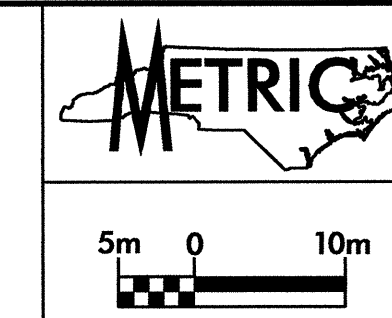
FILES: SDATES: STIMES  
DATE: 01/11/2011  
DRAWN: J. L. B. / J. L. B.  
CHECKED: J. L. B. / J. L. B.  
PER: J. L. B. / J. L. B.

OBLITERATE EXIST. ROAD

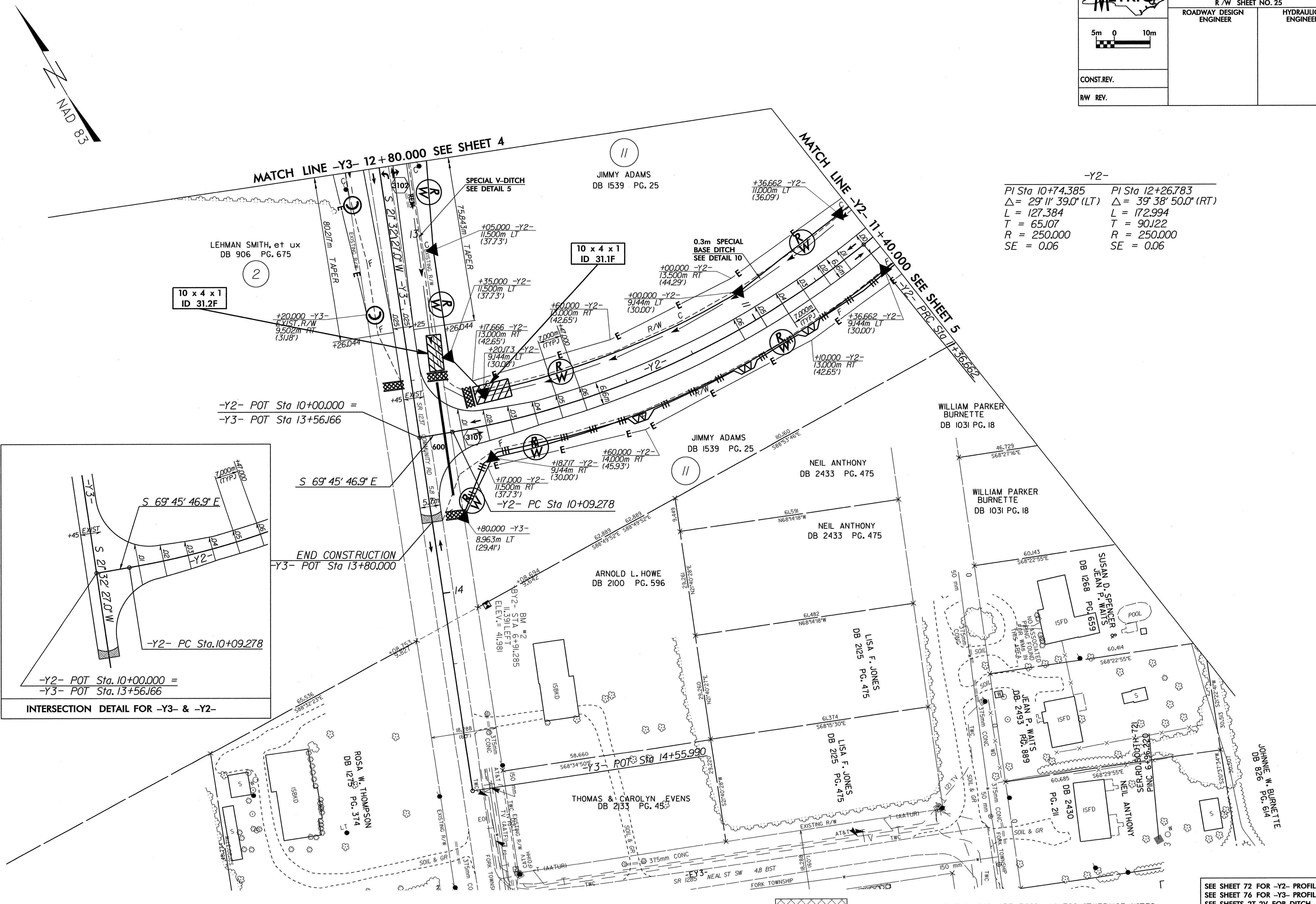
NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 66 FOR -Y1- PROFILE  
SEE SHEET 75 FOR -Y3- PROFILE  
SEE SHEET 70 FOR -Y4- PROFILE  
SEE SHEET 75 FOR -DWY2- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

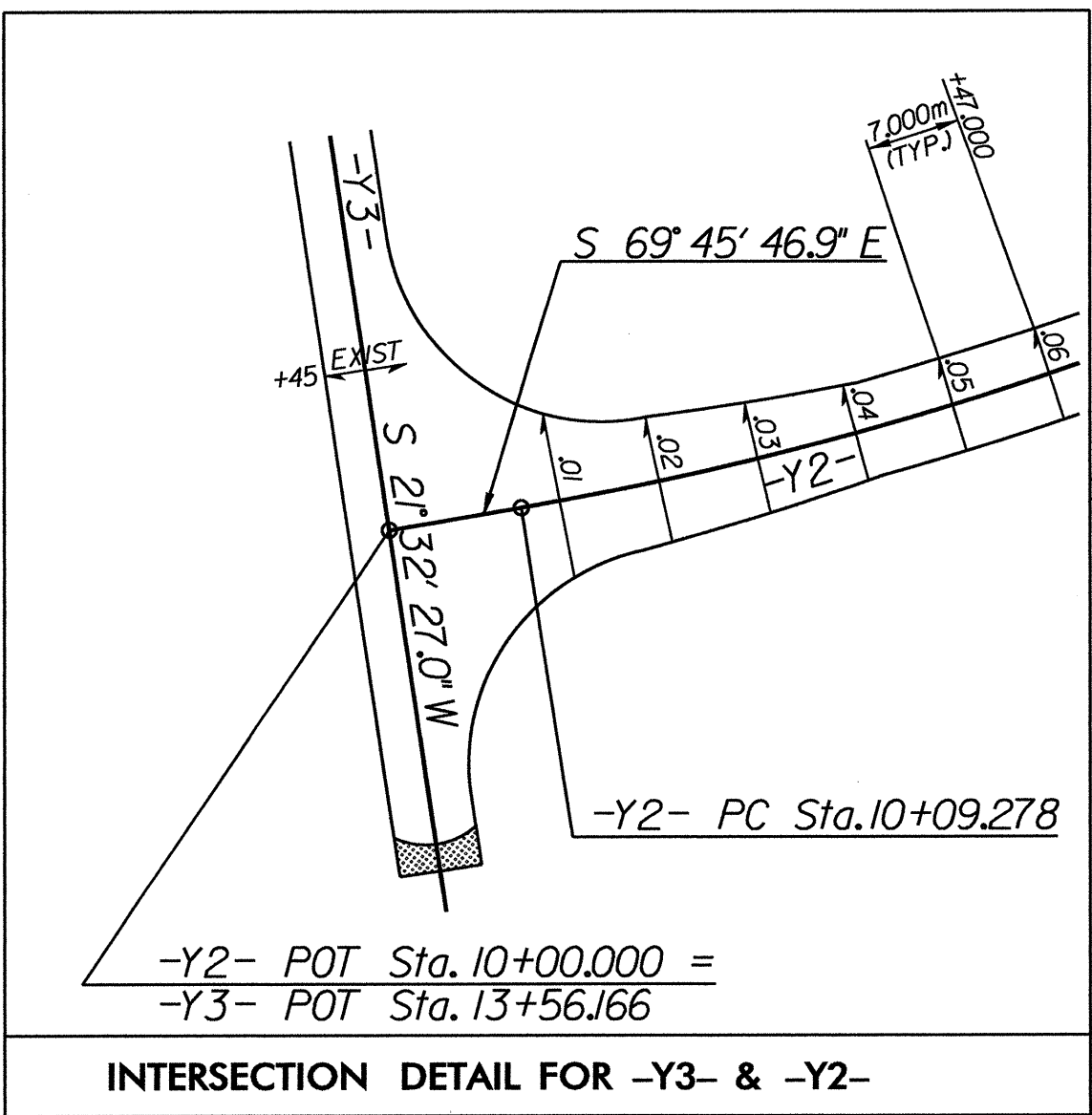




|                            |                        |                |
|----------------------------|------------------------|----------------|
| PROJECT REFERENCE NO.      |                        | SHEET NO.      |
| R-2554A                    |                        | EC-77/CONST.31 |
| R / W SHEET NO. 25         |                        |                |
| ROADWAY DESIGN<br>ENGINEER | HYDRAULICS<br>ENGINEER |                |



| -Y2-                                |                                     |
|-------------------------------------|-------------------------------------|
| PI Sta 10+74.385                    | PI Sta 12+26.783                    |
| $\Delta = 29^\circ 11' 39.0''$ (LT) | $\Delta = 39^\circ 38' 50.0''$ (RT) |
| L = 127.384                         | L = 172.994                         |
| T = 65.107                          | T = 90.122                          |
| R = 250.000                         | R = 250.000                         |
| SE = 0.06                           | SE = 0.06                           |



FILE: SDATES STIMES  
DATE: SDATES STIMES  
PLOT DRIVER: SDATES STIMES  
PEN TABLE: SDATES STIMES

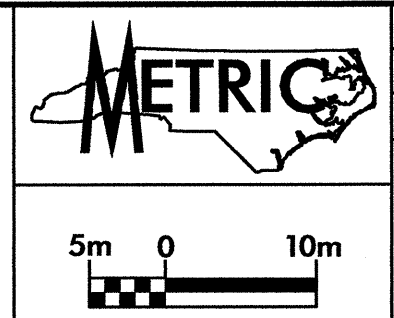
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 72 FOR -Y2- PROFILE  
SEE SHEET 76 FOR -Y3- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS



R/W REV. - 10/7/11  
ADDED PUE TO PARCEL NO. 23  
R/W REV. - 4/15/09  
ADDED PUE TO PARCEL NOS. 46 & 48  
R/W REV. - 11/28/06  
CORRECTED PROPERTY OWNER INFORMATION  
REVISED R/W AND MONUMENTS ON PARCEL 47  
ADDED R/W MONUMENTS ALONG EXIST. R/W

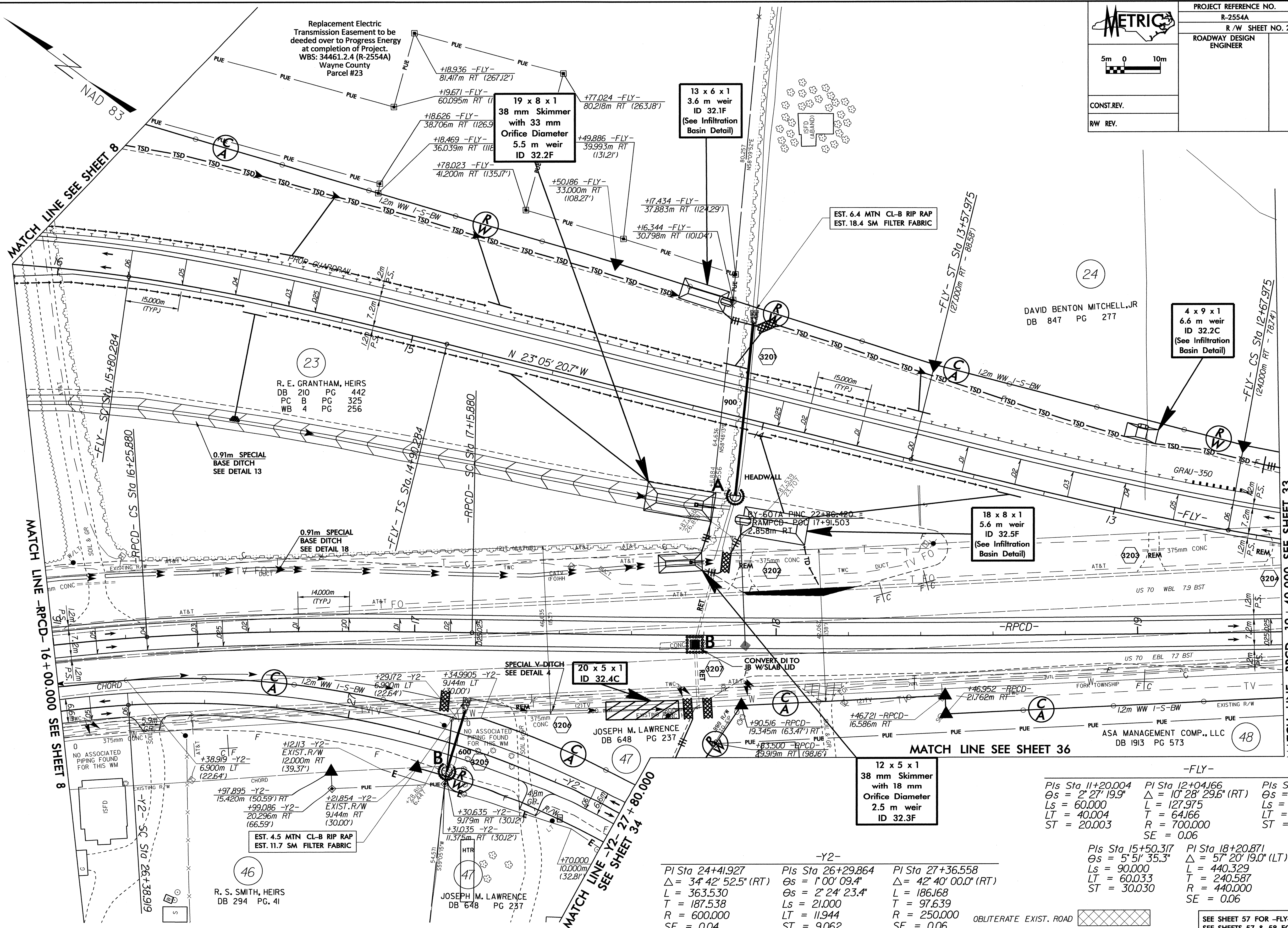


5m 0 10m

CONST. REV.

RW REV.

|                                  |                        |                             |
|----------------------------------|------------------------|-----------------------------|
| PROJECT REFERENCE NO.<br>R-2554A |                        | SHEET NO.<br>EC-78/CONST.32 |
| R/W SHEET NO. 26                 |                        |                             |
| ROADWAY DESIGN<br>ENGINEER       | HYDRAULICS<br>ENGINEER |                             |



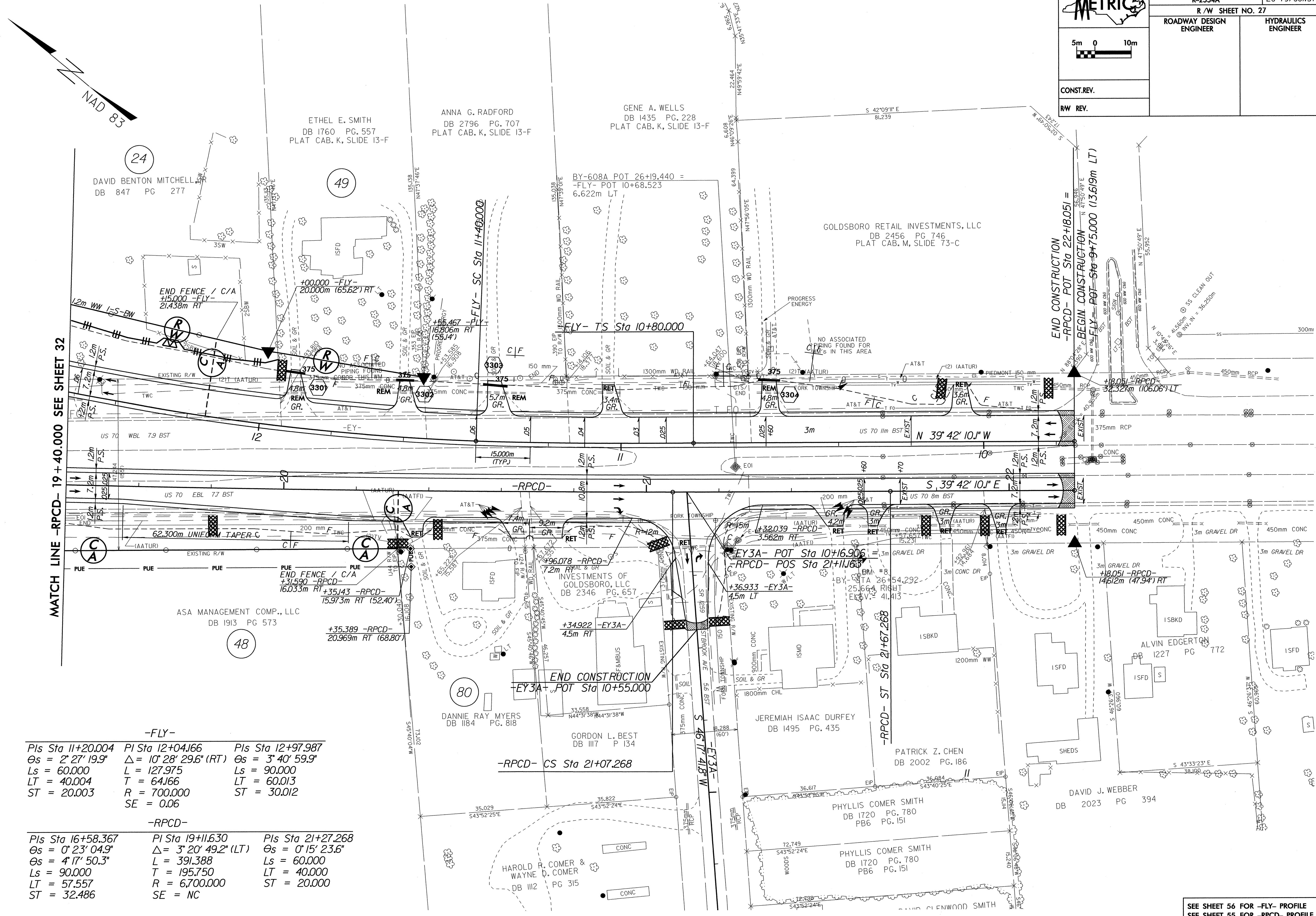
FILE: SFILES  
DATE: SDATES  
PLOT: SDATES  
PEN: SFILES  
STYLES: SFILES

| -Y2-             |                        |             | -FLY-             |                        |             |
|------------------|------------------------|-------------|-------------------|------------------------|-------------|
| PI Sta 24+41.927 | Δ = 34° 42' 52.5" (RT) | L = 363.530 | PIs Sta 11+20.004 | Δs = 2° 27' 19.9"      | Ls = 60.000 |
| T = 187.538      | R = 600.000            | SE = 0.04   | LT = 40.004       | T = 64.166             | R = 700.000 |
|                  |                        |             | ST = 20.003       | SE = 0.06              |             |
| PI Sta 26+29.864 | Δs = 1° 00' 09.4"      | Ls = 21.000 | PI Sta 12+04.166  | Δ = 10° 28' 29.6" (RT) | Ls = 90.000 |
| LT = 11.944      | ST = 9.062             |             | LT = 60.033       | T = 240.587            | R = 440.000 |
|                  |                        |             | SE = 0.06         | SE = 0.06              |             |
| PI Sta 27+36.558 | Δ = 42° 40' 00.0" (RT) | L = 186.168 | PIs Sta 12+97.987 | Δs = 3° 40' 59.9"      | Ls = 90.000 |
| T = 97.639       | R = 250.000            | SE = 0.06   | LT = 60.013       | T = 240.587            | R = 440.000 |
|                  |                        |             | ST = 30.012       | SE = 0.06              |             |

NOTE: ALL DRIVEWAY RADI ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 57 FOR -FLY- PROFILE  
SEE SHEETS 57 & 58 FOR -R/PCD- PROFILE  
SEE SHEET 74 FOR -Y2- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS





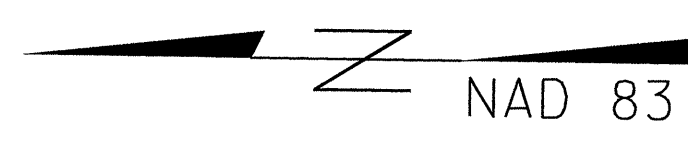
| -FLY-                           |                                     |                                 |
|---------------------------------|-------------------------------------|---------------------------------|
| Pls Sta 11+20.004               | Pls Sta 12+04.166                   | Pls Sta 12+97.987               |
| $\Theta_s = 2^\circ 27' 19.9''$ | $\Delta = 10^\circ 28' 29.6''$ (RT) | $\Theta_s = 3^\circ 40' 59.9''$ |
| $L_s = 60.000$                  | $L = 127.975$                       | $L_s = 90.000$                  |
| $T = 40.004$                    | $T = 64.166$                        | $LT = 60.013$                   |
| $ST = 20.003$                   | $R = 700.000$                       | $ST = 30.012$                   |
|                                 | $SE = 0.06$                         |                                 |
| -RPCD-                          |                                     |                                 |
| Pls Sta 16+58.367               | Pls Sta 19+11.630                   | Pls Sta 21+27.268               |
| $\Theta_s = 0^\circ 23' 04.9''$ | $\Delta = 3^\circ 20' 49.2''$ (LT)  | $\Theta_s = 0^\circ 15' 23.6''$ |
| $\Theta_s = 4^\circ 17' 50.3''$ | $L = 391.388$                       | $L_s = 60.000$                  |
| $L_s = 90.000$                  | $T = 195.750$                       | $LT = 40.000$                   |
| $LT = 57.557$                   | $R = 6,700.000$                     | $ST = 20.000$                   |
| $ST = 32.486$                   | $SE = NC$                           |                                 |

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

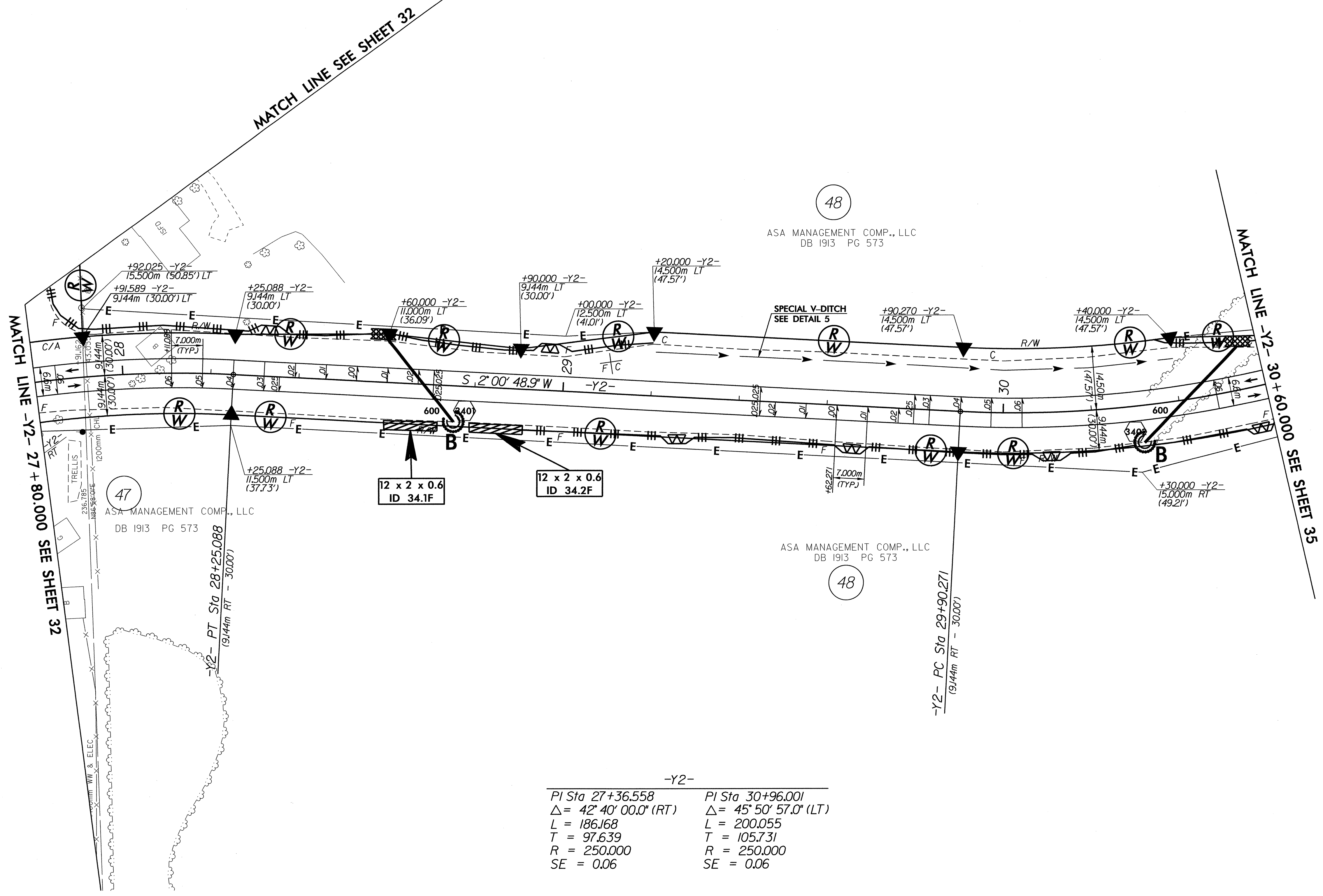
SEE SHEET 56 FOR -FLY- PROFILE  
SEE SHEET 55 FOR -RPCD- PROFILE  
SEE SHEETS 21-22 FOR DITCH DETAILS

FILES: \$FILES \$TIMES  
DATE: \$DATE  
PLOT DRIVER: \$PLOTDRIVER  
PER PAGE: \$PERPAGE

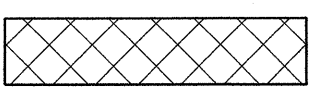




|                                                                                                                                      |                         |                     |
|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| <br><br>5m 0 10m<br><br>CONST. REV.<br><br>RW REV. | PROJECT REFERENCE NO.   | SHEET NO.           |
|                                                                                                                                      | R-2554A                 | EC-80/CONST.34      |
|                                                                                                                                      | R / W SHEET NO. 28      |                     |
|                                                                                                                                      | ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |



| -Y2-                                |                                     |
|-------------------------------------|-------------------------------------|
| PI Sta 27+36.558                    | PI Sta 30+96.001                    |
| $\Delta = 42^\circ 40' 00.0''$ (RT) | $\Delta = 45^\circ 50' 57.0''$ (LT) |
| L = 186.168                         | L = 200.055                         |
| T = 97.639                          | T = 105.731                         |
| R = 250.000                         | R = 250.000                         |
| SE = 0.06                           | SE = 0.06                           |

OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 74 & 75 FOR -Y2- PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

FILE: SFILES  
DATE: 01/11/2011  
DRAWN: J. HARRIS  
CHECKED: J. HARRIS  
PER TABLE: SFILES



**METRIC**

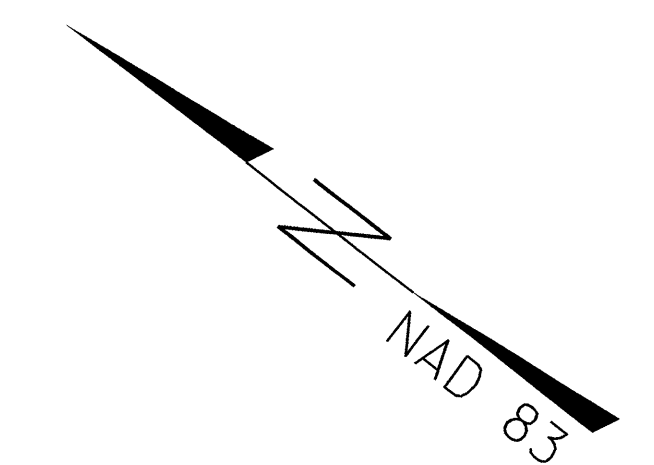
5m 0 10m

CONST. REV.

R/W REV.

| PROJECT REFERENCE NO.   |  | SHEET NO.           |
|-------------------------|--|---------------------|
| R-2554A                 |  | EC-81/CONST.35      |
| R / W SHEET NO. 29      |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |

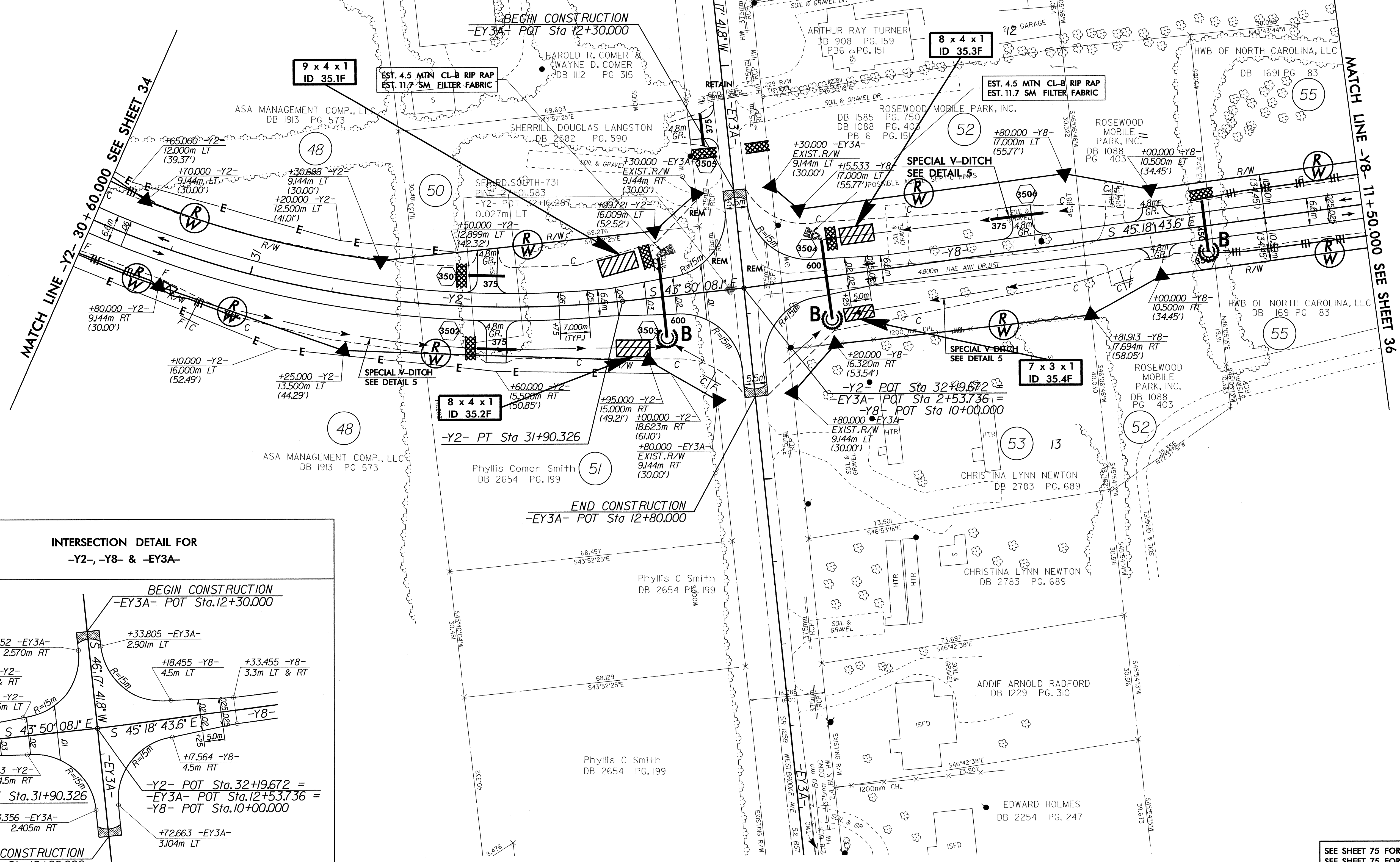
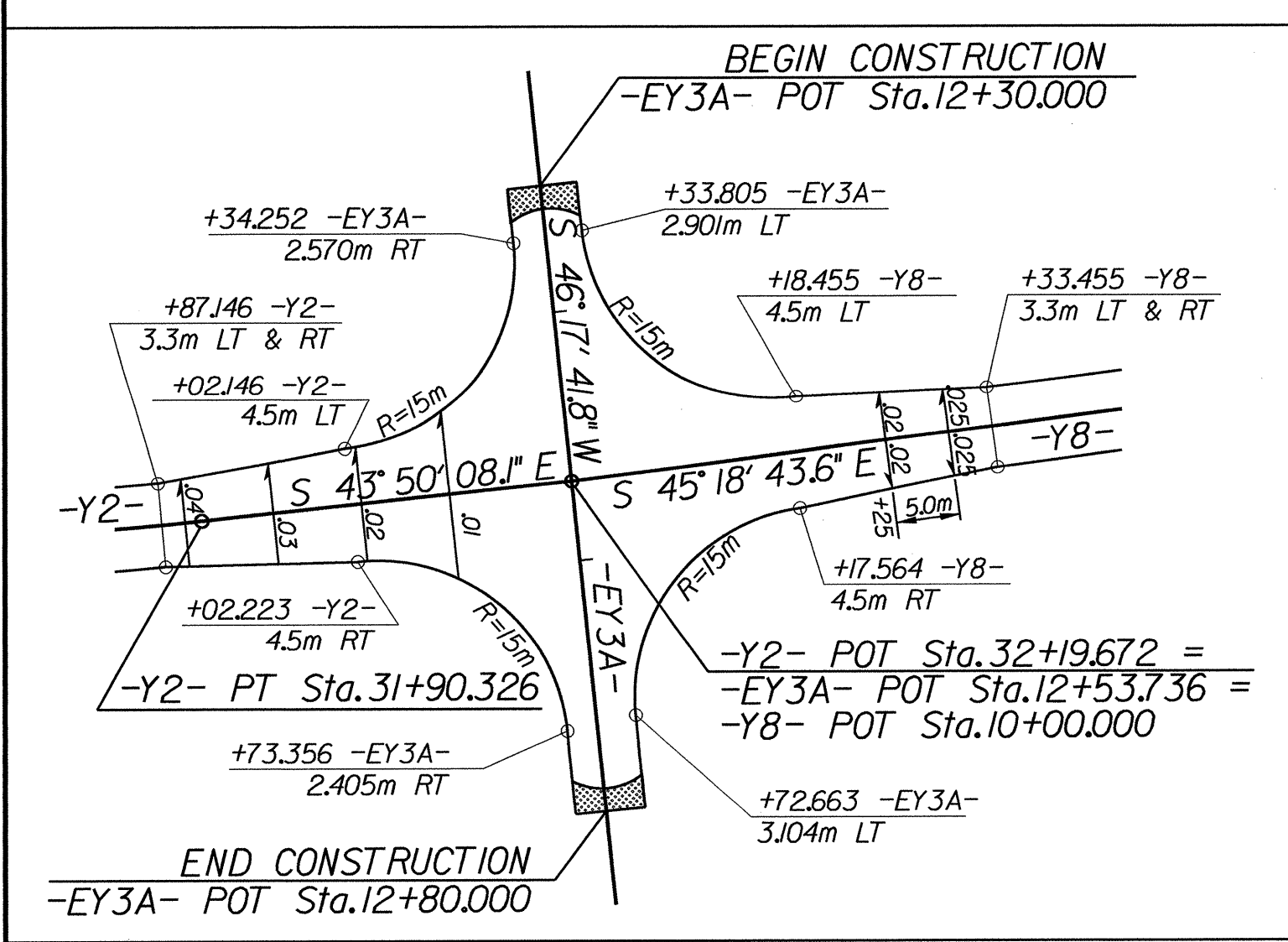
-Y2-  
PI Sta 30+96.001  
 $\Delta = 45^\circ 50' 57.0''$  (LT)  
L = 200.055  
T = 105.731  
R = 250.000  
SE = 0.06



MATCH LINE -Y2- 30+60.000 SEE SHEET 34

MATCH LINE -Y8- 11+50.000 SEE SHEET 36

**INTERSECTION DETAIL FOR  
-Y2-, -Y8- & -EY3A-**



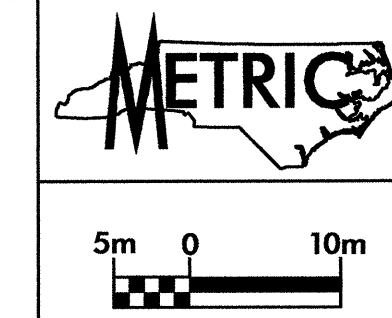
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED.  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED.

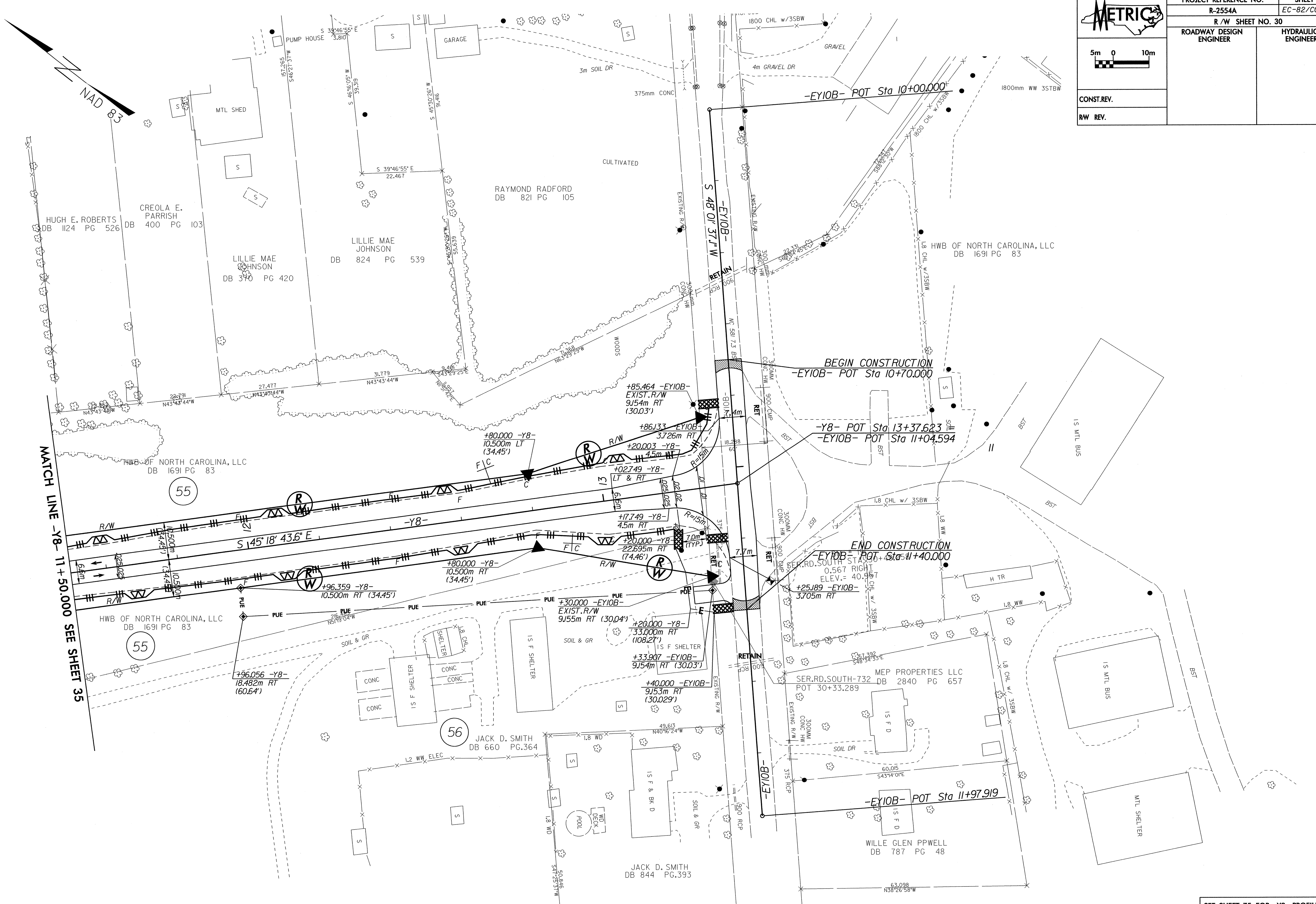
SEE SHEET 75 FOR -Y2- PROFILE  
SEE SHEET 75 FOR -Y8- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILES: STIMES  
DATE: 10/1/2023  
PLOT DRIVER: J. BENTLEY  
PEN TABLE: 1/16"





|                         |  |                     |
|-------------------------|--|---------------------|
| PROJECT REFERENCE NO.   |  | SHEET NO.           |
| R-2554A                 |  | EC-82/CONST.36      |
| R / W SHEET NO. 30      |  |                     |
| ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
| CONST.REV.              |  |                     |
| RW REV.                 |  |                     |



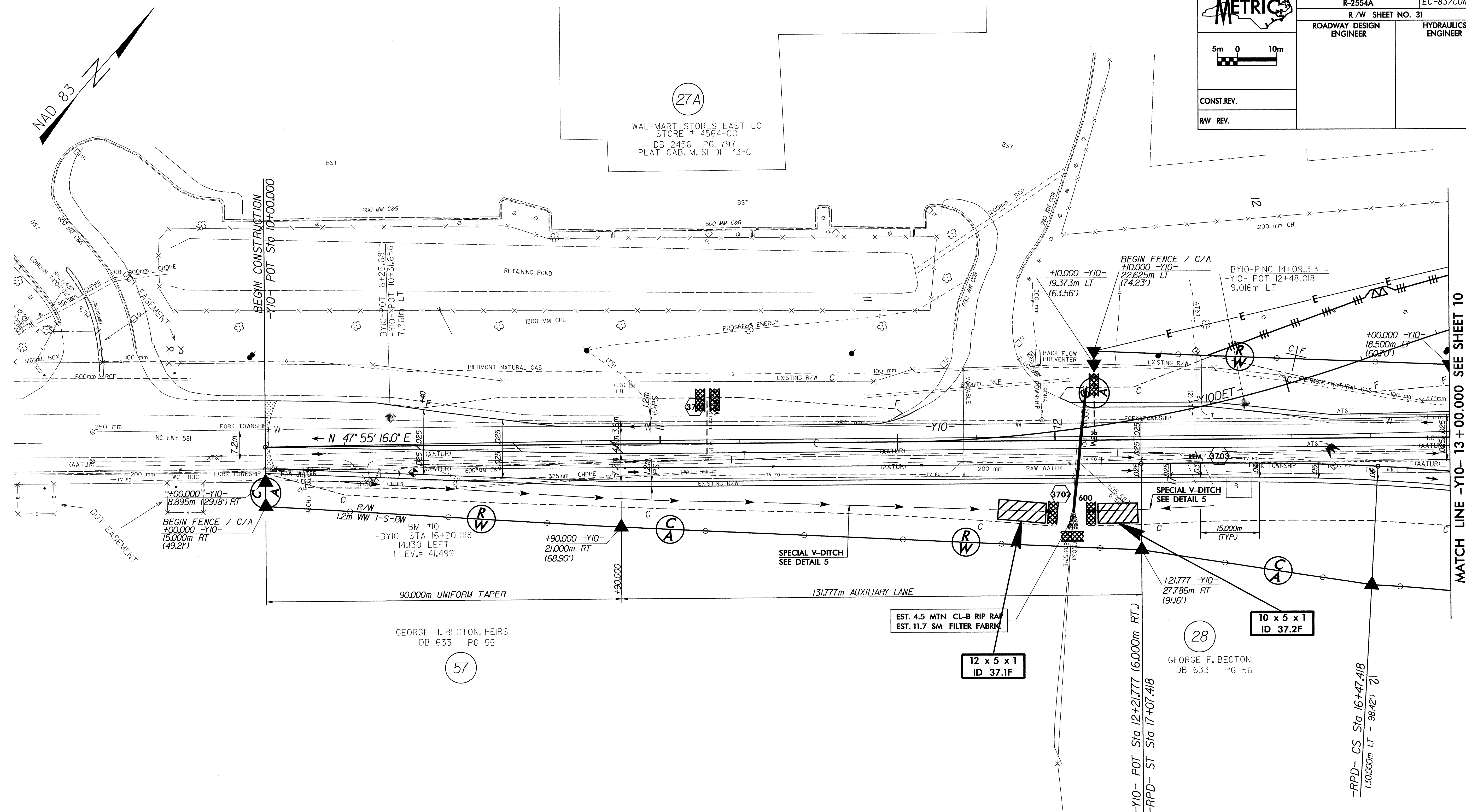
OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 75 FOR -Y8- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: STIMES  
DATE: 10/1/2011  
DRAWN: J. STIMES  
CHECKED: J. STIMES  
PER TABLE





| <i>-RPD-</i>             |                               |                          |
|--------------------------|-------------------------------|--------------------------|
| <i>Pls Sta 10+40.008</i> | <i>Pl Sta 13+92.9 2</i>       | <i>Pls Sta 16+67.425</i> |
| <i>Δs = 3° 26' 15.9"</i> | <i>Δ = 67° 18' 47.5" (LT)</i> | <i>Θs = 3° 26' 15.9"</i> |
| <i>Ls = 60.000</i>       | <i>L = 587.4 8</i>            | <i>Ls = 60.000</i>       |
| <i>LT = 40.008</i>       | <i>T = 332.9 2</i>            | <i>LT = 40.008</i>       |
| <i>ST = 20.007</i>       | <i>R = 500.000</i>            | <i>ST = 20.007</i>       |
|                          | <i>SE = 0.06</i>              |                          |

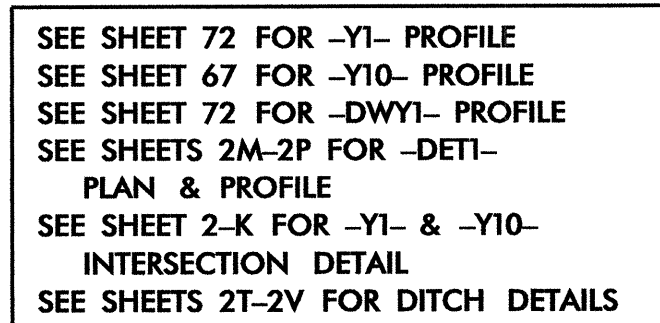
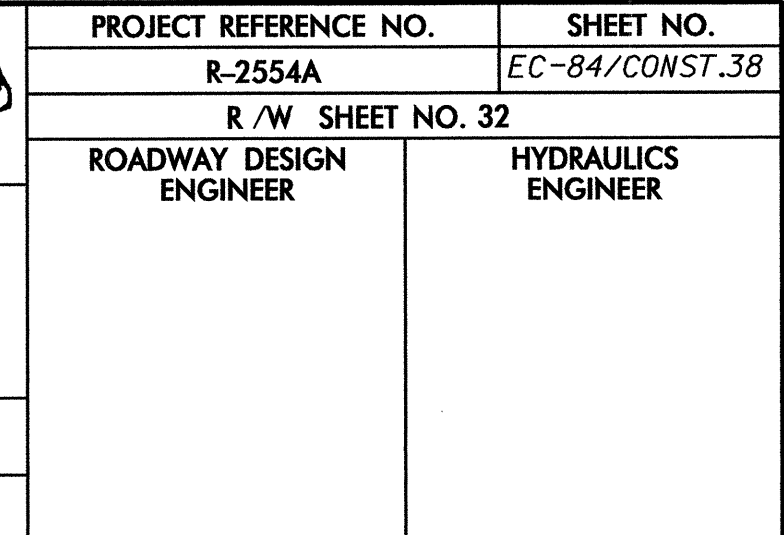
OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEET 64 FOR -RPD- PROFILE  
SEE SHEET 65 FOR -Y10- PROFILE  
SEE SHEETS 2M-2P FOR -DET1-  
PLAN & PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

|              |             |         |
|--------------|-------------|---------|
| FILE:        | \$FILE\$    | \$TIMES |
| DATE:        | \$DATE\$    |         |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBLL\$ |         |





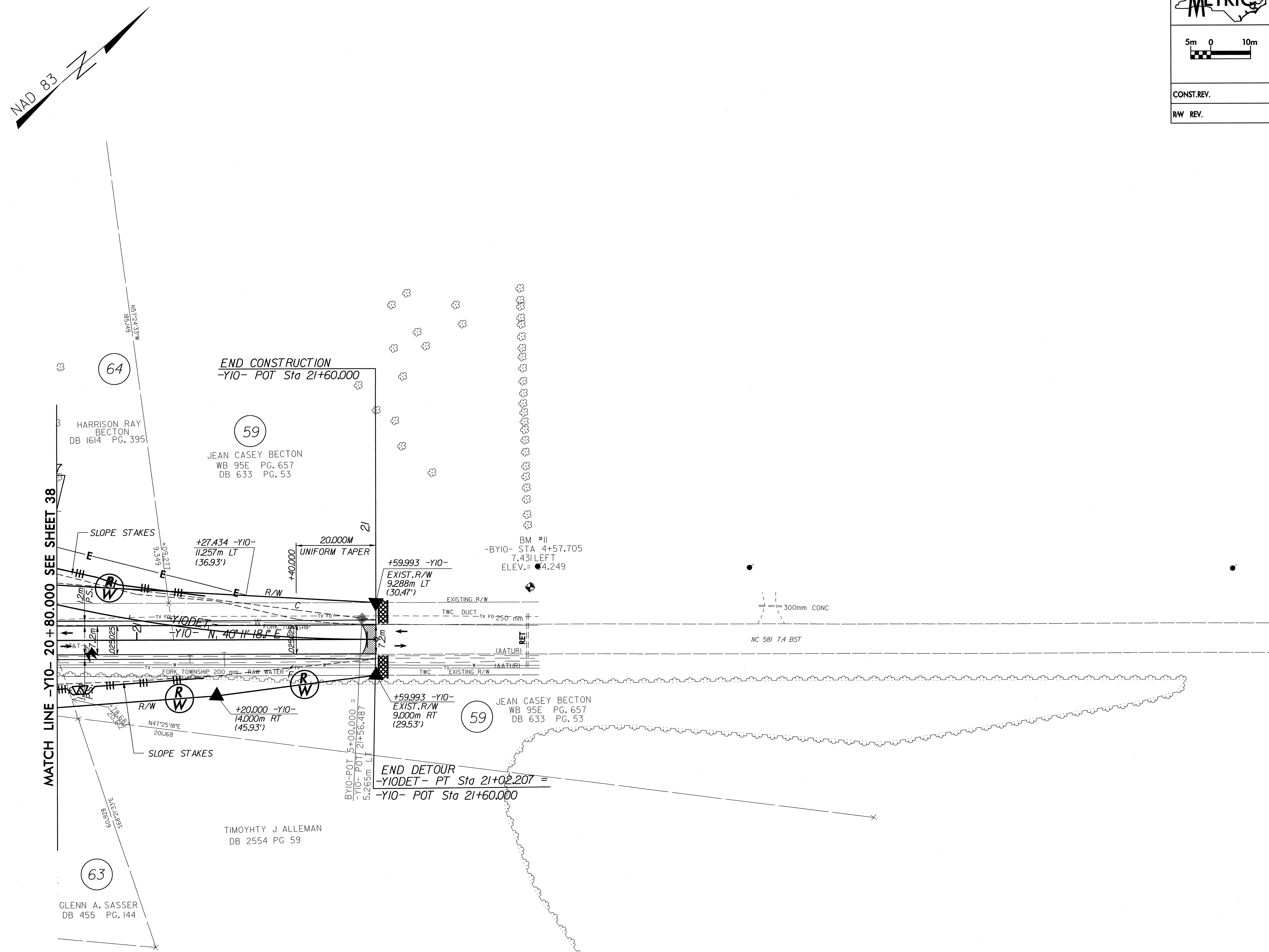
|              |             |         |
|--------------|-------------|---------|
| FILE:        | \$FILE\$    |         |
| DATE:        | \$DATE\$    | \$TIMES |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBL\$  |         |





|            |
|------------|
| CONST.REV. |
| R/W REV.   |

|                            |  |                        |  |
|----------------------------|--|------------------------|--|
| PROJECT REFERENCE NO.      |  | SHEET NO.              |  |
| R-2554A                    |  | EC-85/CONST.39         |  |
| R /W SHEET NO. 33          |  |                        |  |
| ROADWAY DESIGN<br>ENGINEER |  | HYDRAULICS<br>ENGINEER |  |



OBLITERATE EXIST. ROAD 

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

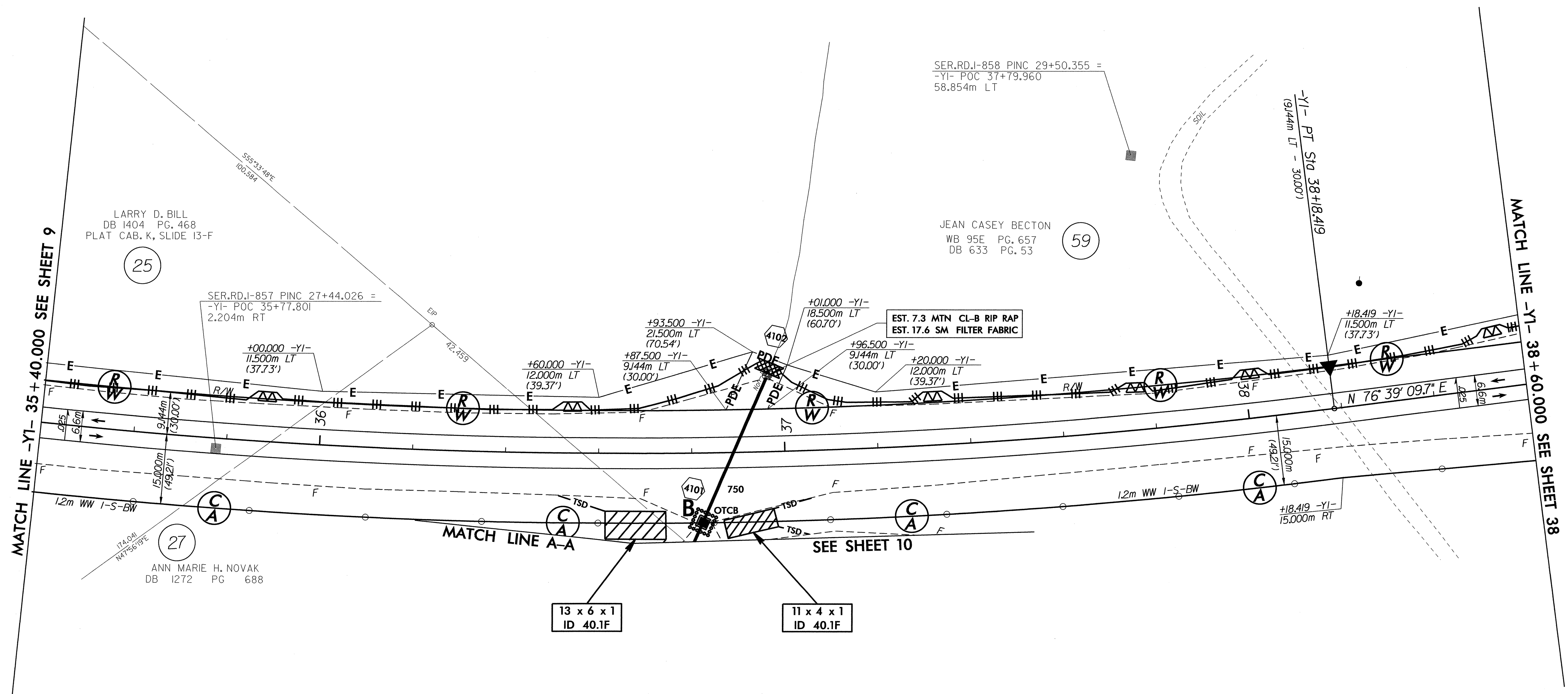
SEE SHEET 66 FOR -Y10- PROFILE  
SEE SHEETS 2M-2P FOR -DET1-  
PLAN & PROFILE  
SEE SHEETS 2T-2V FOR DITCH DETAILS

| FILE:        | \$FILE\$    | \$TIMES |
|--------------|-------------|---------|
| DATE:        | \$DATES     |         |
| PLOT DRIVER: | \$PLTDRVL\$ |         |
| PEN TABLE:   | \$PENTBLL\$ |         |



|                                                                                     |                         |  |                     |
|-------------------------------------------------------------------------------------|-------------------------|--|---------------------|
|   | PROJECT REFERENCE NO.   |  | SHEET NO.           |
|                                                                                     | R-2554A                 |  | EC-86/CONST.40      |
|                                                                                     | R /W SHEET NO. 34       |  |                     |
|  | ROADWAY DESIGN ENGINEER |  | HYDRAULICS ENGINEER |
|                                                                                     | CONST.REV.              |  |                     |
|                                                                                     | R/W REV.                |  |                     |

NAD 83



-Y1-  
PI Sta 35+29.319  
Δ = 28° 11' 23.2" (LT)  
L = 590.405  
T = 301.305  
R = 1,200.000  
SE = RC

OBLITERATE EXIST. ROAD

NOTE: ALL DRIVEWAY RADII ARE 3.000m UNLESS OTHERWISE NOTED  
ALL DRIVEWAY WIDTHS ARE 4.800m UNLESS OTHERWISE NOTED

SEE SHEETS 71 & 72 FOR -Y1- PROFILE  
SEE SHEETS 21-2V FOR DITCH DETAILS

FILE: STIMES  
PLOT DRIVER: SPENTRILS  
PEN TABLE: SPENTRILS