

12/7/2023
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HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

FOR NCDOT DIVISION 12

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
U-5777	EC-02
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

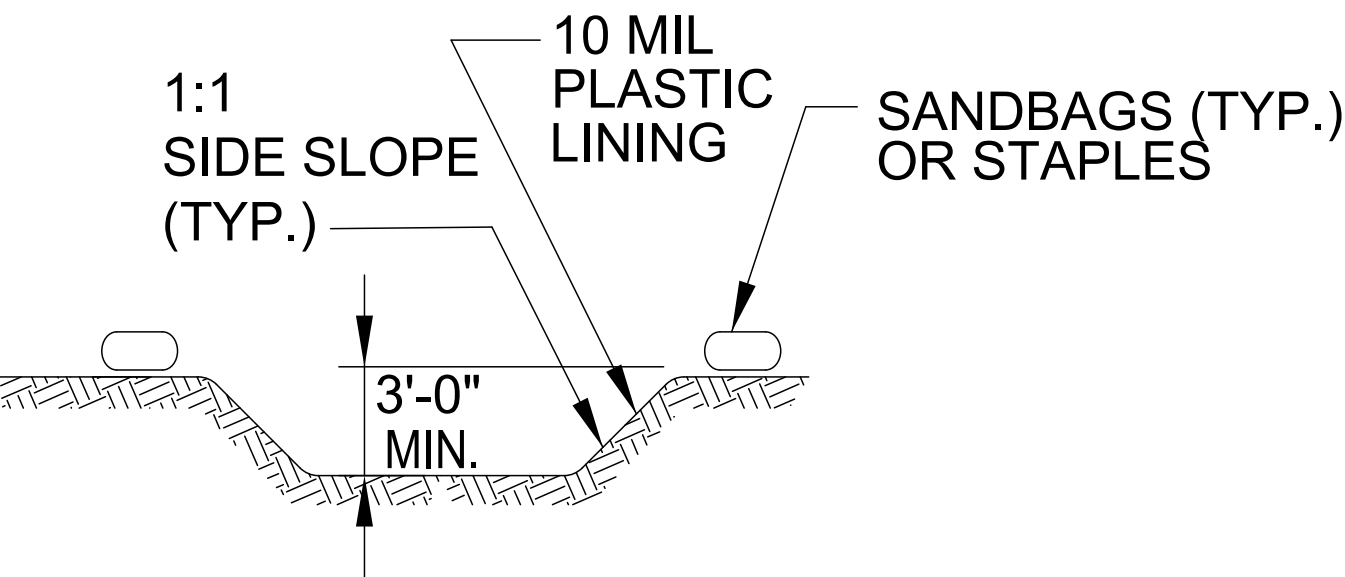
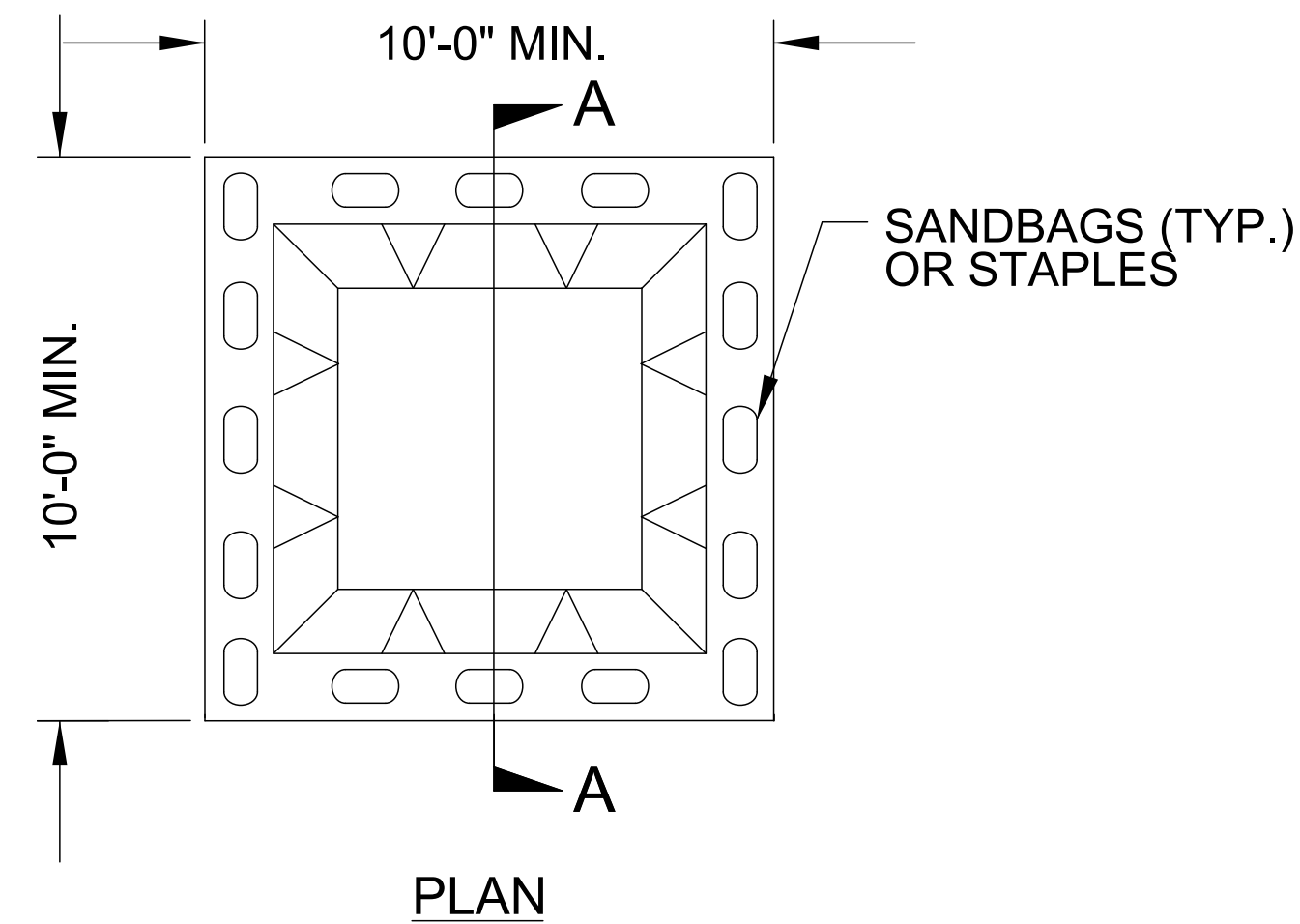
EROSION & SEDIMENT CONTROL LEGEND

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	
1606.01	Special Sediment Control Fence	
1622.01	Temporary Berms and Slope Drains	
1630.02	Silt Basin Type B	
1630.03	Temporary Silt Ditch	
1630.04	Stilling Basin	
1630.05	Temporary Diversion	
1630.06	Special Stilling Basin	
1630.07	Skimmer Basin	
1630.08	Tiered Skimmer Basin	
1630.09	Earthen Dam with Skimmer	
	Infiltration Basin	
	Rock Inlet Sediment Trap:	
1632.01	Type A	
1632.02	Type B	
1632.03	Type C	

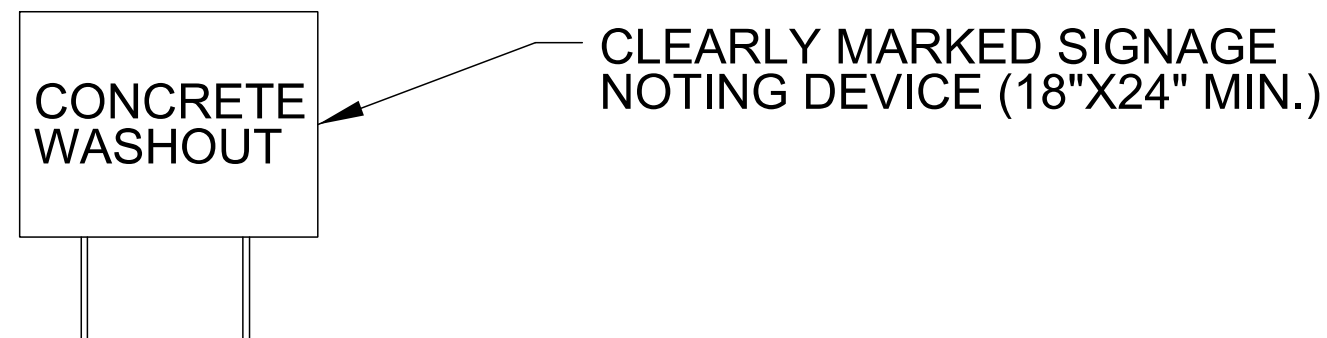
Std. #	Description	Symbol
1633.01	Temporary Rock Silt Check Type A	
1633.02	Temporary Rock Silt Check Type B	
1633.03	Temporary Rock Silt Check Type A with Excelsior Matting and Flocculant	
1634.01	Temporary Rock Sediment Dam Type A	
1634.02	Temporary Rock Sediment Dam Type B	
1635.01	Rock Pipe Inlet Sediment Trap Type A	
1635.02	Rock Pipe Inlet Sediment Trap Type B	
1636.01	Excelsior Wattle Check	
1636.01	Excelsior Wattle Check with Flocculant	
1636.01	Coir Fiber Wattle Check	
1636.01	Coir Fiber Wattle Check with Flocculant	
1636.02	Silt Fence Excelsior Wattle Break	
	Silt Fence Coir Fiber Wattle Break	
1636.03	Excelsior Wattle Barrier	
1636.03	Coir Fiber Wattle Barrier	

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER

PROJECT REFERENCE NO.	SHEET NO.
U-5777	EC-2A
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

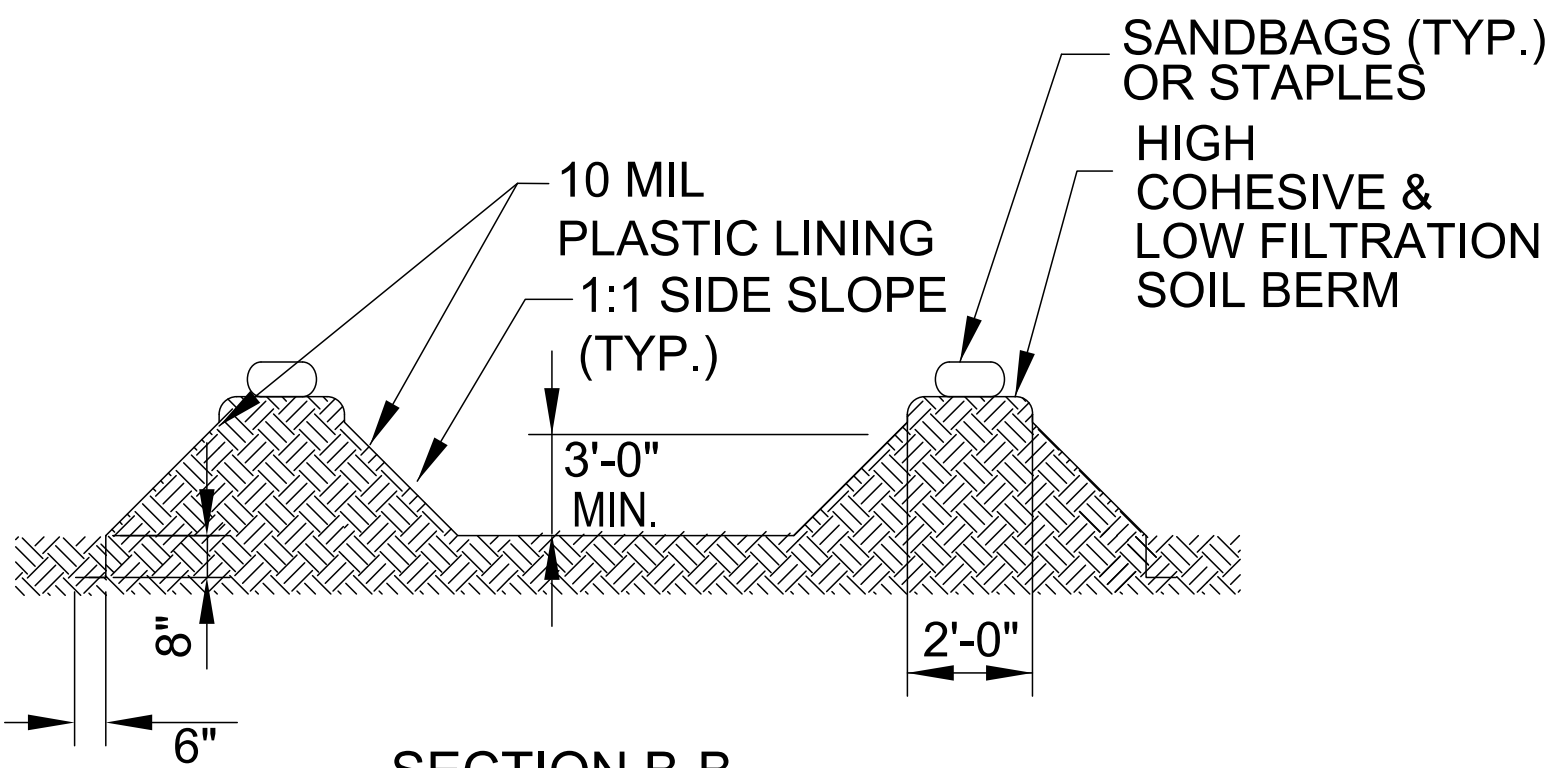
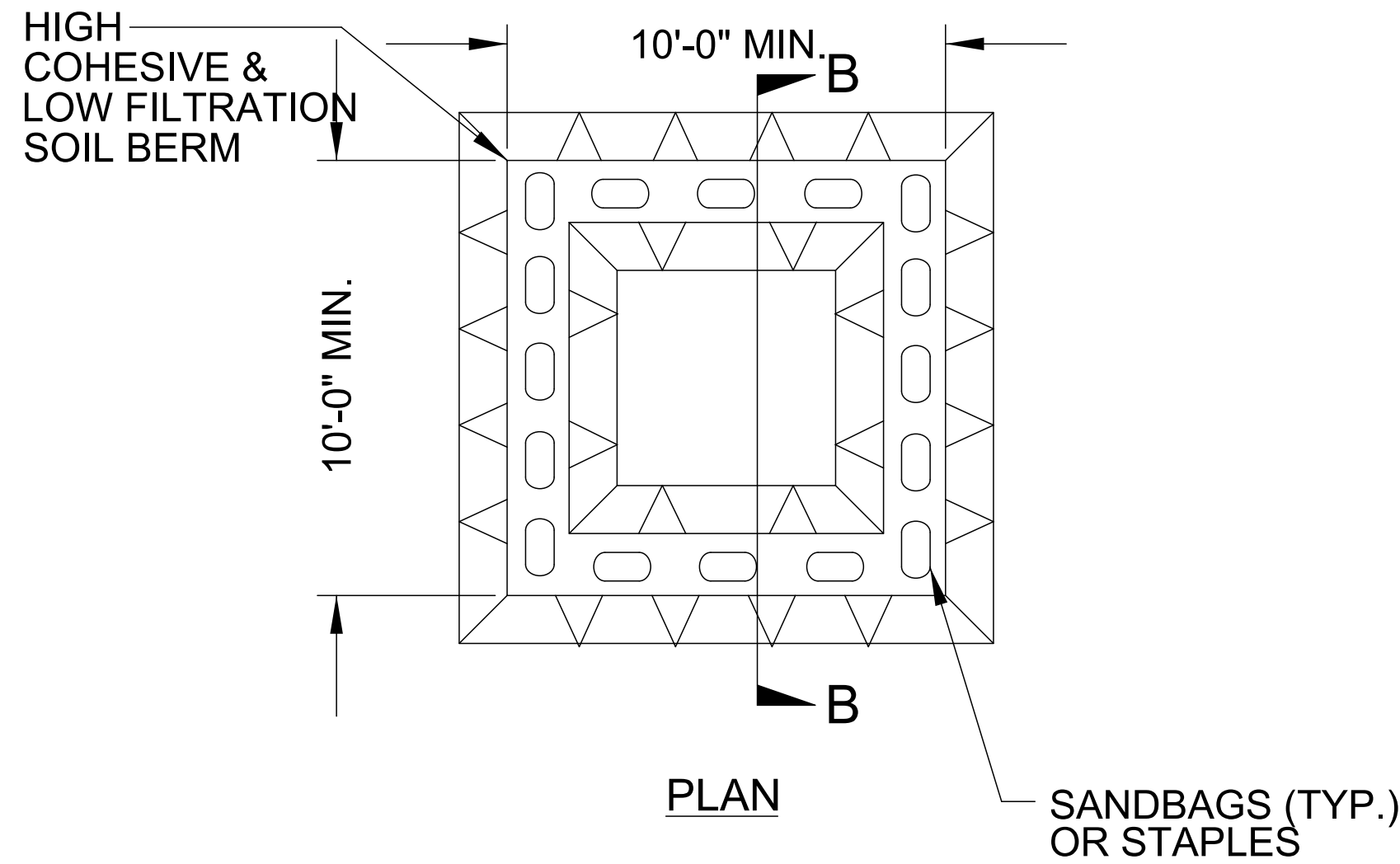


SECTION A-A

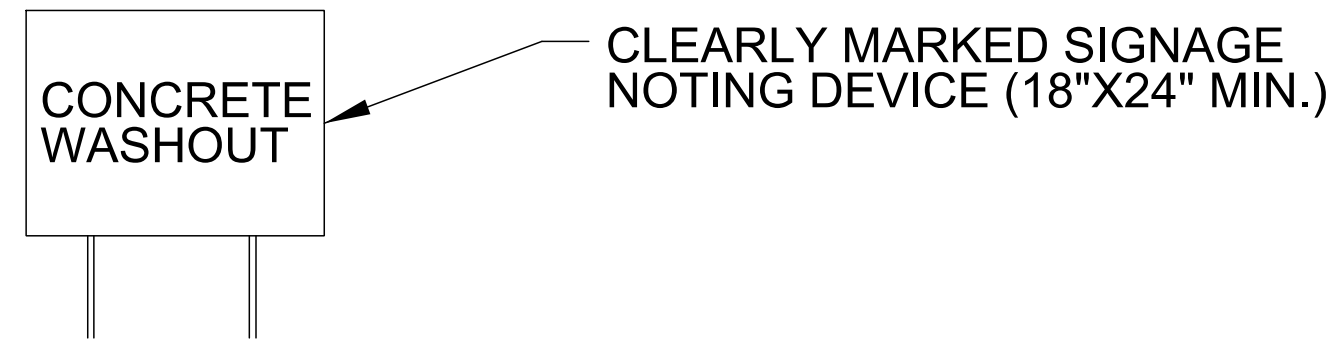


BELOW GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.



SECTION B-B



ABOVE GRADE WASHOUT STRUCTURE
NOT TO SCALE

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

PROJECT REFERENCE NO.	SHEET NO.
<i>U-5777</i>	<i>EC-3</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

SOIL STABILIZATION SUMMARY SHEET

MATTING FOR EROSION CONTROL

[illegible]

MATTING FOR EROSION CONTROL

[illegible]

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

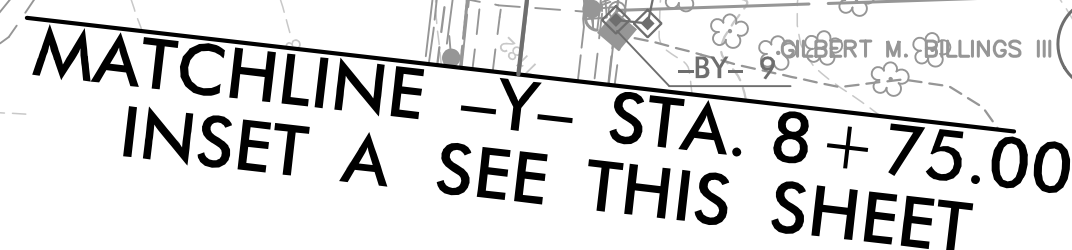
PROJECT REFERENCE NO.	SHEET NO.
U-5777	EC-3A
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

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 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 TO 4:1	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH WITH SLOPES STEEPER THAN 4:1. 7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	7 DAYS FOR PERIMETER DIKES, SWALES, DITCHES PERIMETER SLOPES, AND HQW ZONES

UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF
ROCK INLET SEDIMENT TRAP, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC

5" CONC MONOLITHIC ISLAND WITH STAMPED BRICK PATTERN



FOR -L- PROFILE, SEE SHEET 6
FOR -Y- PROFILE, SEE SHEET 7
FOR -Y1- PROFILE, SEE SHEET 7
FOR INTERSECTION DIMENSIONS, SEE SHEET 2B-1
FOR DETAIL OF HORIZONTAL ALIGNMENT, SEE SHEET 2B-2

8/17/99
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UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF
ROCK INLET SEDIMENT TRAP, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

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 5

HNTB

HNTB NORTH CAROLINA, P.C.
4000 Center at North Hills St.
Suite 500
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.

U-5777

RW SHEET NO.

ROADWAY DESIGN
ENGINEER

HYDRAULICS
ENGINEER

SHEET NO.

EC-5/CONST.5

NAD 832011

- 5" CONC MONOLITHIC ISLAND
- 5" CONC MONOLITHIC ISLAND WITH STAMPED BRICK PATTERN

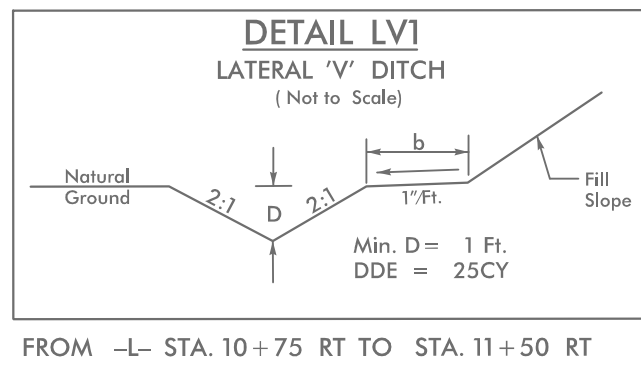
FOR -L- PROFILE, SEE SHEET 6
FOR -Y2- PROFILE, SEE SHEET 7
FOR INTERSECTION DIMENSIONS, SEE SHEET 28-1
FOR DETAIL OF HORIZONTAL ALIGNMENT, SEE SHEET 28-2

PROJECT REFERENCE NO.		SHEET NO.	
U-5777		EC-6/CONST.4	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

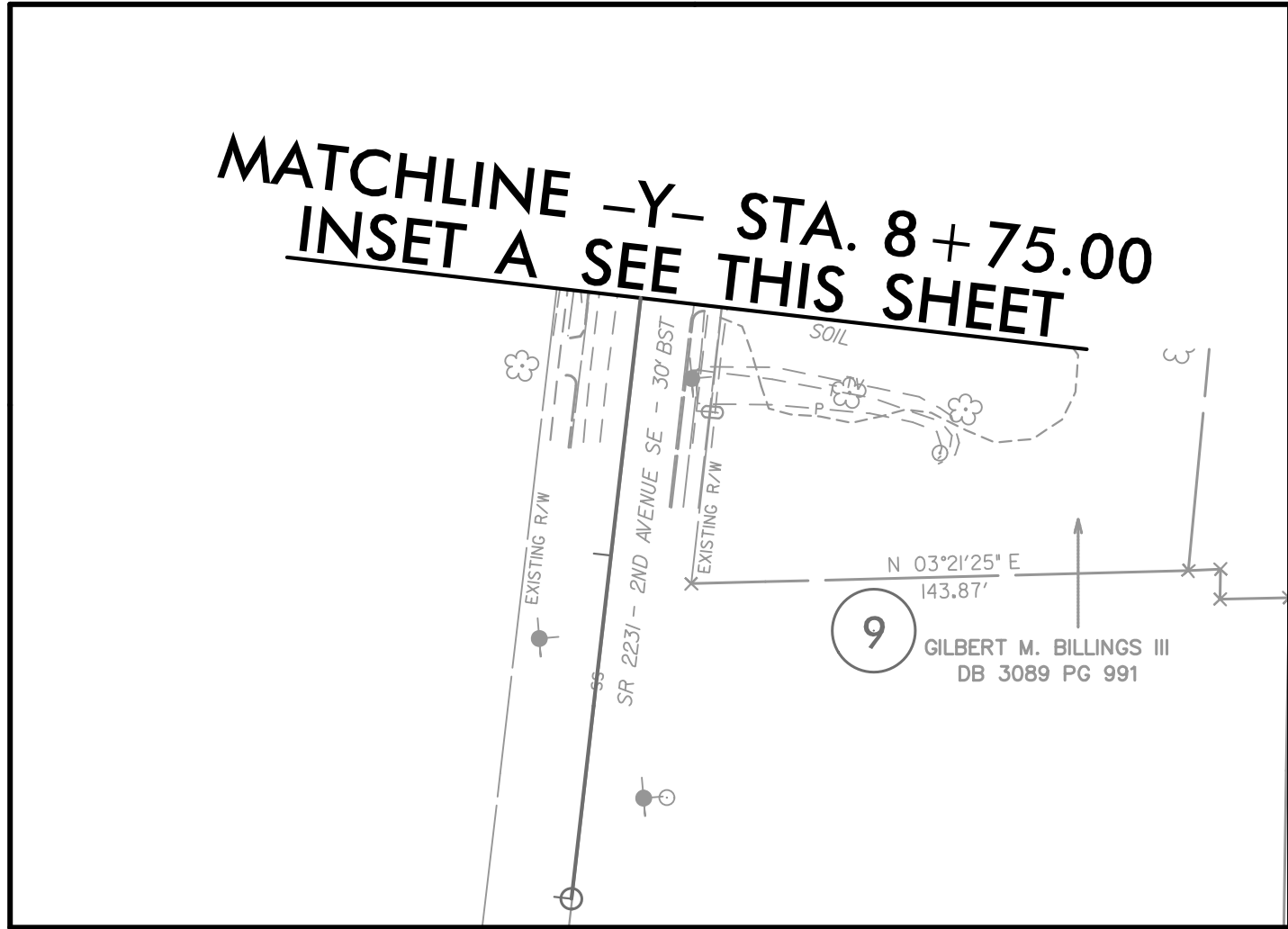
Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 10+60 to Sta. 11+50 RT

UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF
ROCK INLET SEDIMENT TRAP, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

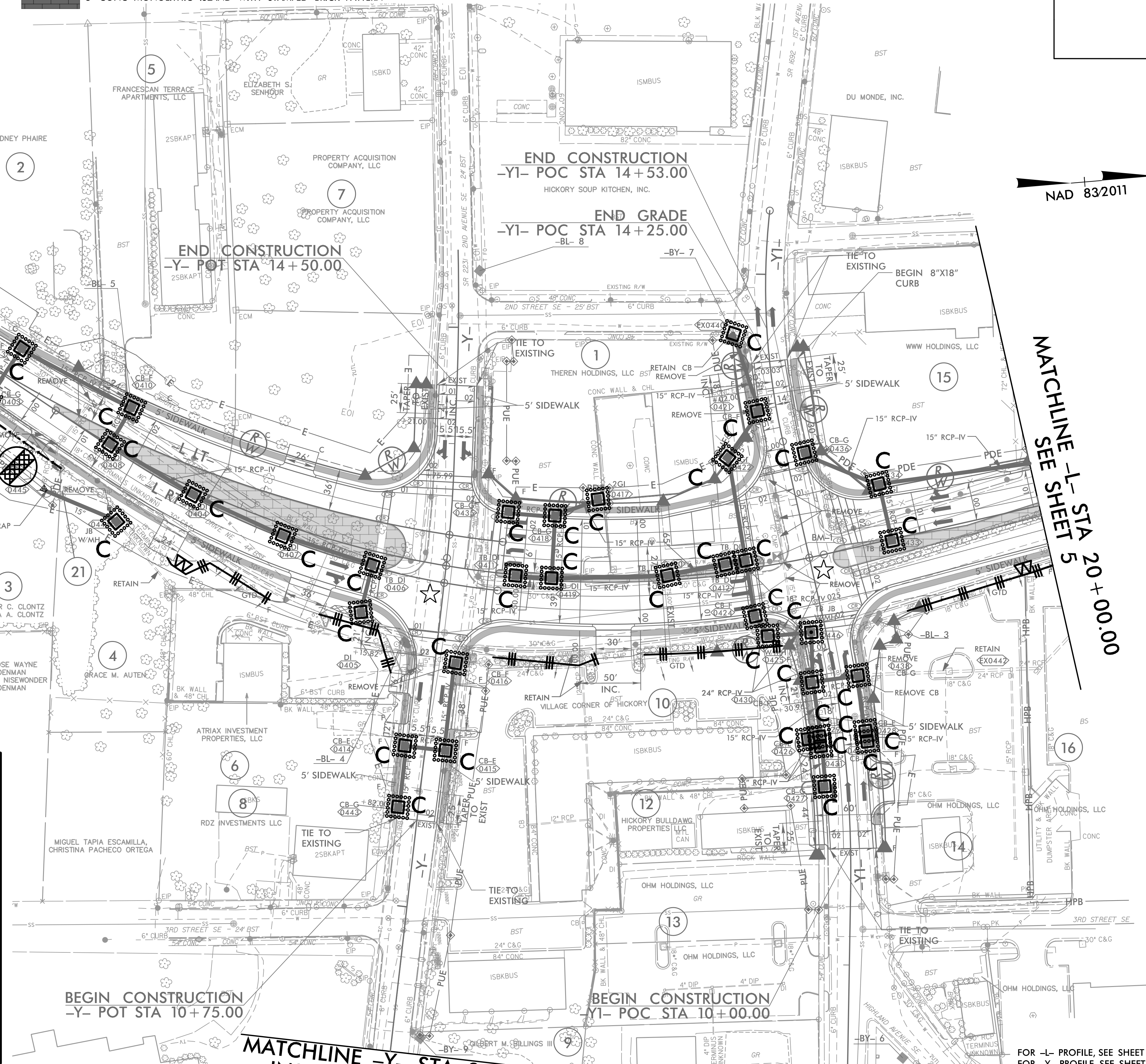
BEGIN PROJECT U-5777
-L- POT STA 10+00.00



PARCEL NO.	PARCEL OWNER	DEED BOOK/PAGE
21	FRANCESCAN TERRACE APARTMENTS, LLC	DB 3234 PG 228



- EXISTING SIGNAL
- 5" CONC MONOLITHIC ISLAND
- 5" CONC MONOLITHIC ISLAND WITH STAMPED BRICK PATTERN



NAD 83/2011

MATCHLINE -L- STA 20+00.00
SEE SHEET 5

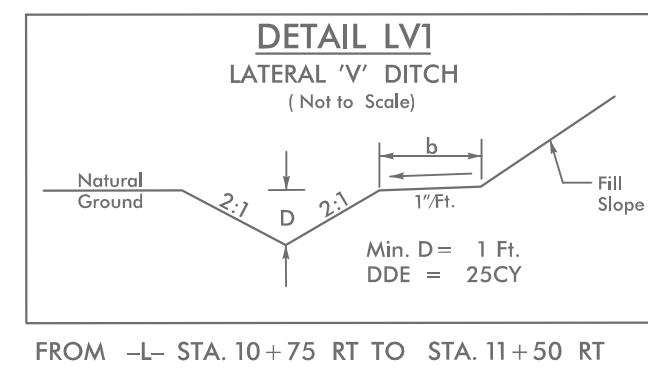
MATCHLINE -Y- STA. 8+75.00
INSET A SEE THIS SHEET

FOR -L- PROFILE, SEE SHEET 6
FOR -Y- PROFILE, SEE SHEET 7
FOR -Y1- PROFILE, SEE SHEET 7
FOR INTERSECTION DIMENSIONS, SEE SHEET 2B-1
FOR DETAIL OF HORIZONTAL ALIGNMENT, SEE SHEET 2B-2

Place Matting for Erosion Control
on Slope as Work Allows.
-L- Sta. 10+60 to Sta. 11+50 RT

UTILIZE FABRIC INSERT INLET PROTECTION DEVICE IN LIEU OF
ROCK INLET SEDIMENT TRAP, TYPE-C AS DIRECTED TO AVOID
IMPOUNDMENT OF RUNOFF IN ROADWAY OPEN TO TRAFFIC.

BEGIN PROJECT U-5777
-L- POT STA 10+00.00



MIGUEL VAZQUEZ-GUTIERREZ
FABIOLA JAIMES NAVARRO

WILLIAM A. SIGMON
MARIE R. SIGMON
WILLIAM B. SIGMON
TERESA D. SIGMON

T.L. NORMAN LAND COMPANY

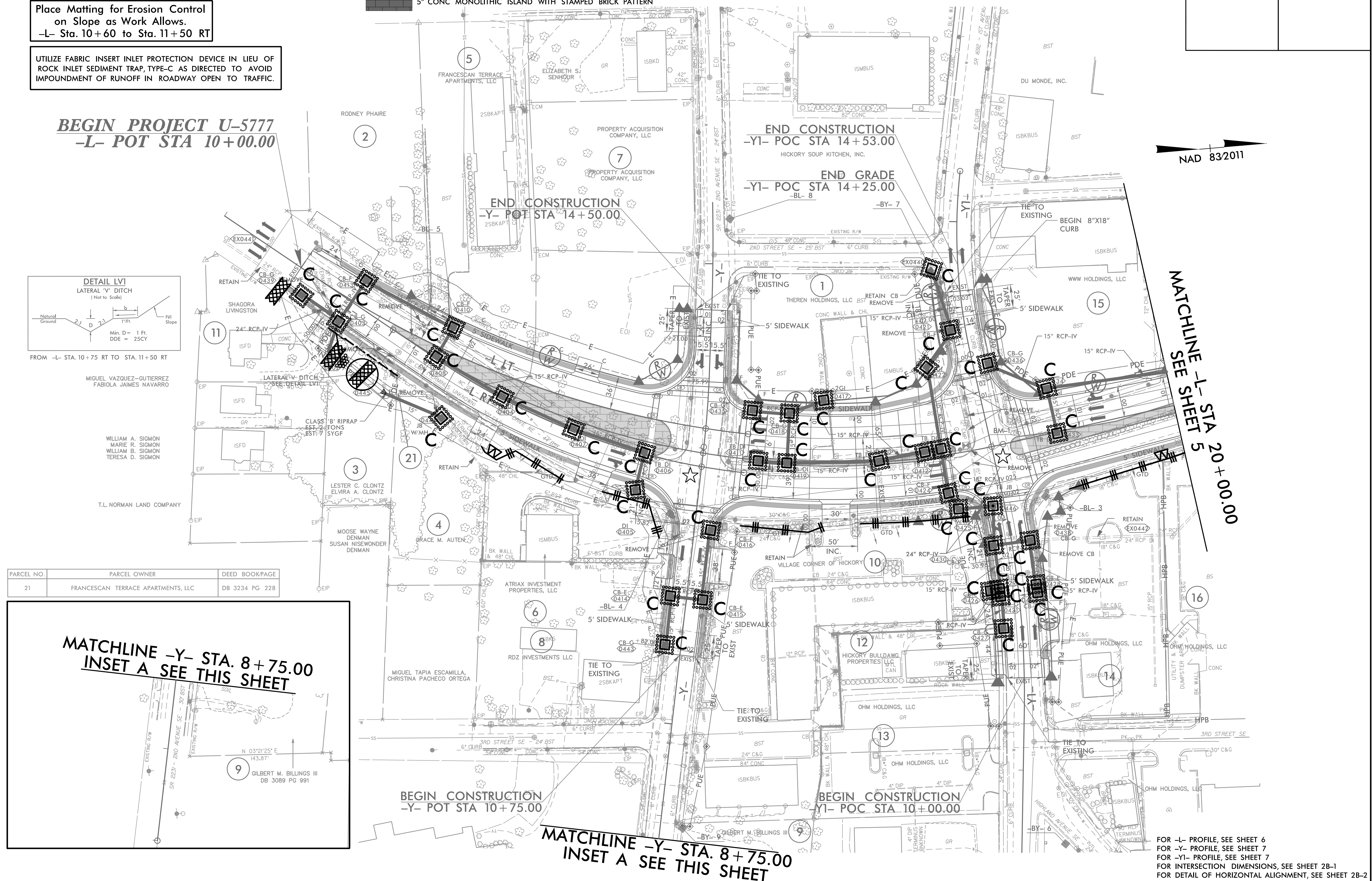
PARCEL NO.	PARCEL OWNER	DEED BOOK/PAGE
21	FRANCESCAN TERRACE APARTMENTS, LLC	DB 3234 PG 228

MATCHLINE -Y- STA. 8+75.00
INSET A SEE THIS SHEET

★ EXISTING SIGNAL

5" CONC MONOLITHIC ISLAND

5" CONC MONOLITHIC ISLAND WITH STAMPED BRICK PATTERN



FOR -L- PROFILE, SEE SHEET 6
FOR -Y- PROFILE, SEE SHEET 7
FOR -YI- PROFILE, SEE SHEET 7
FOR INTERSECTION DIMENSIONS, SEE SHEET 2B-1
FOR DETAIL OF HORIZONTAL ALIGNMENT, SEE SHEET 2B-2