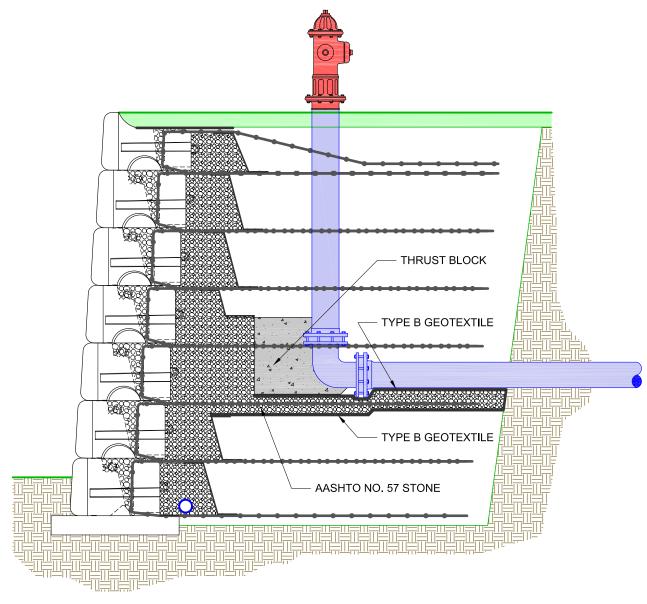
### Fire Hydrant in Reinforced Soil Zone

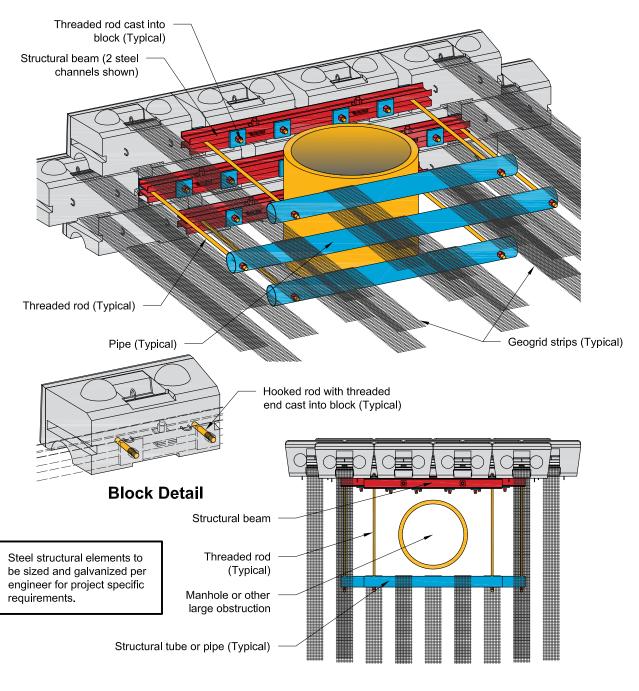


- 1. INSTALL HYDRANT CONCURRENTLY WITH WALL CONSTRUCTION PER SITE PLAN REQUIREMENTS.
- 2. INSTALL GEOGRID STRIPS AROUND RISER.
- 3. DRAINAGE BLANKET EXTENDS TO BACK OF REINFORCED SOIL ZONE.
- 4. WIDTH OF DRAINAGE BLANKET IS 3' AND THICKNESS IS 6".
- 5. DIVE GEOGRID STRIP DOWN UNDER DRAINAGE BLANKET AS NEEDED.
- 6. INSTALL AASHTO NO. 57 STONE BETWEEN THRUST BLOCK AND REDI-ROCK PC BLOCKS.

DRAWN BY:	JRJ	TITLE:	Fire Hydrant in Reinforced
APPROVED BY:	JRJ		•
DATE:	06-22-2015		Soil Zone
SHEET:	1 of 1	FILE:	6 Fire Hydrant in Reinforced Soil Zone 062215.dwg



# Manhole or Large Obstruction in Reinforced Soil Zone

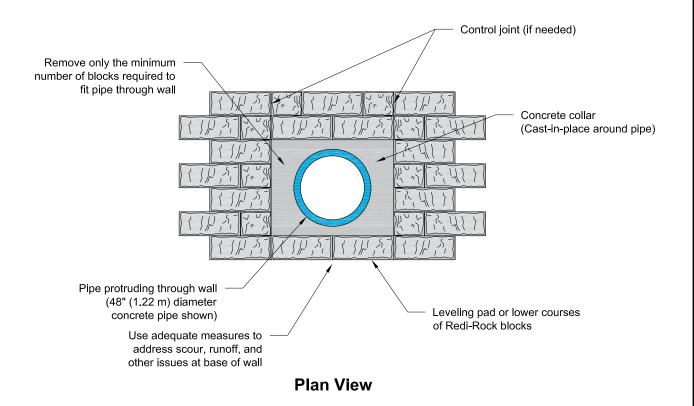


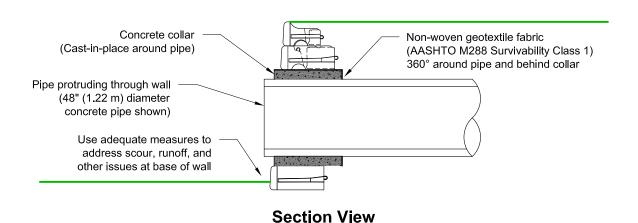
**Top View** 

DRAWN BY:	JRJ	Manhole or Large Obstruction in
APPROVED BY:	JRJ	
DATE:	06-22-2015	Reinforced Soil Zone
SHEET:	1 of 1	FILE: 5 Manhole in Reinforced Soil Zone 062215.dwg



### **Pipes Installed Perpendicular Through Wall**

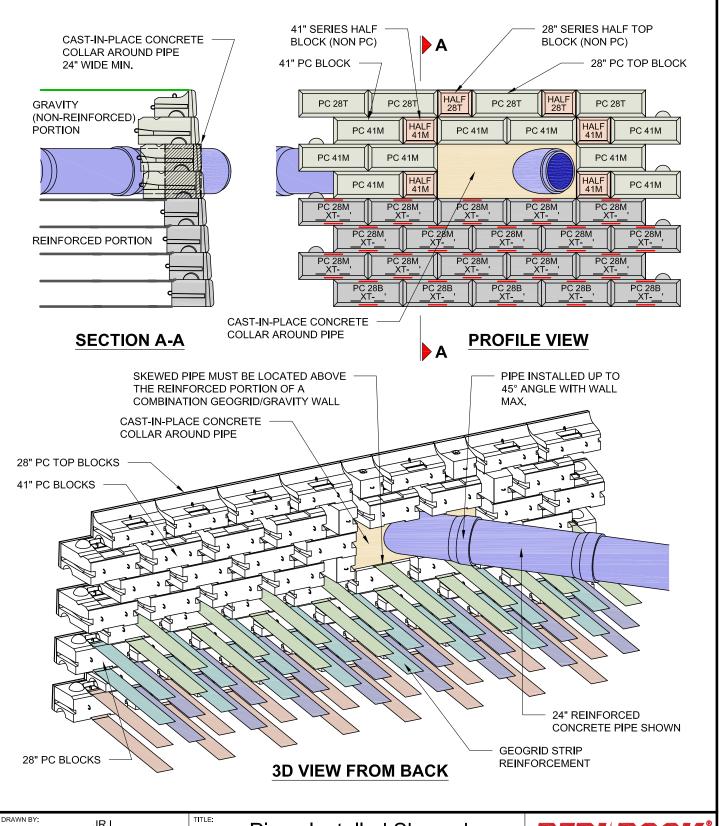




DRAWN BY:	JRJ	TITLE:	Pipes Installed Perpendicular
APPROVED BY:	JRJ		•
DATE:	06-22-2015		Through Wall
SHEET:	1 of 1	FILE:	1 Pipe Installed Perpendicular Through Wall 062215.dwg



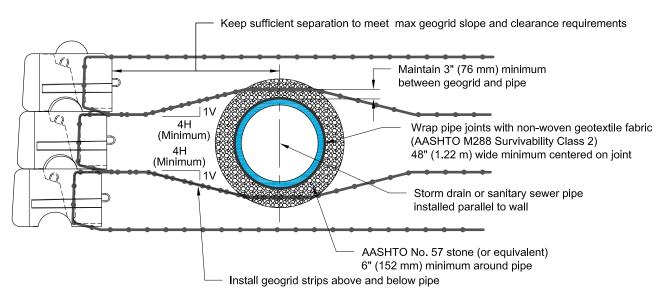
## **Pipes Installed Skewed Through Wall**



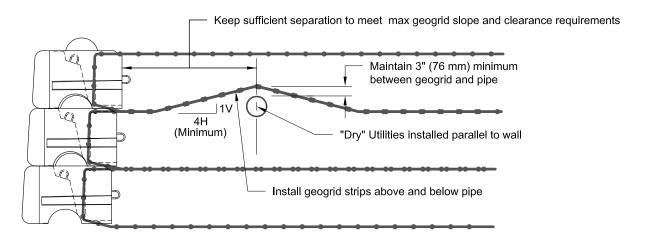
Pipes Install		Pipes Installed Skewed
APPROVED BY:	JRJ	•
DATE:	06-22-2015	Through Wall
SHEET:	1 of 1	FILE: 2 Pipes Installed Skewed Through Wall 062215.dwg



### **Utilities in the Reinforced Soil Zone**



#### **Storm or Sanitary Sewer Pipe**



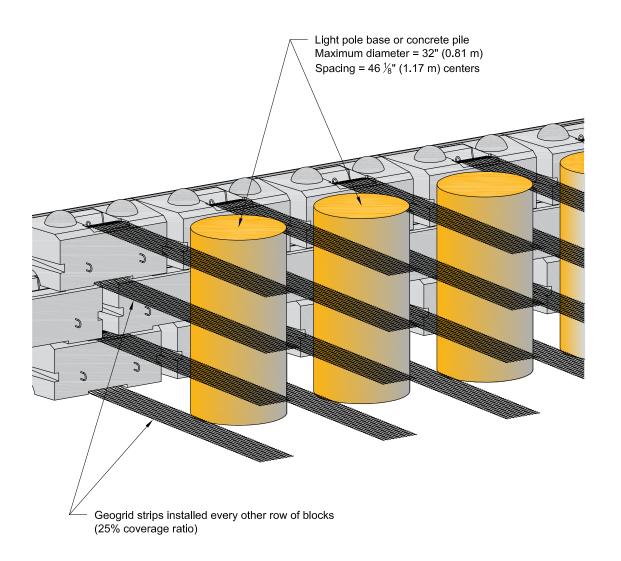
### "Dry" Utilities (Electric, Gas, Telecommunications)

Redi-Rock International follows the recommendations of FHWA GEC 011 and discourages placing pipes or other horizontal obstructions behind the wall in the reinforced soil zone. Placing pipes in this zone could lead to maintenance problems and potential wall failure.

DRAWN BY:	JRJ	TITLE:
APPROVED BY:	JRJ	Utilities in Reinforced Soil Zone
DATE:	06-22-2015	
SHEET:	1 of 1	FILE: 3 Utilities in Reinforced Soil Zone 062215.dwg



## Light Pole Base or Concrete Pile in Reinforced Soil Zone



#### 3D View from Back

DRAWN BY:	JRJ	Vertical Concrete Pile in
APPROVED BY:	JRJ	
DATE:	06-22-2015	Reinforced Soil Zone
SHEET:	1 of 1	FILE: 4 Vertical Concrete Pile in Reinforced Soil Zone 062215.dwg

