EXHIBIT A SPECIFICATIONS, SHELTERS, CABINETS

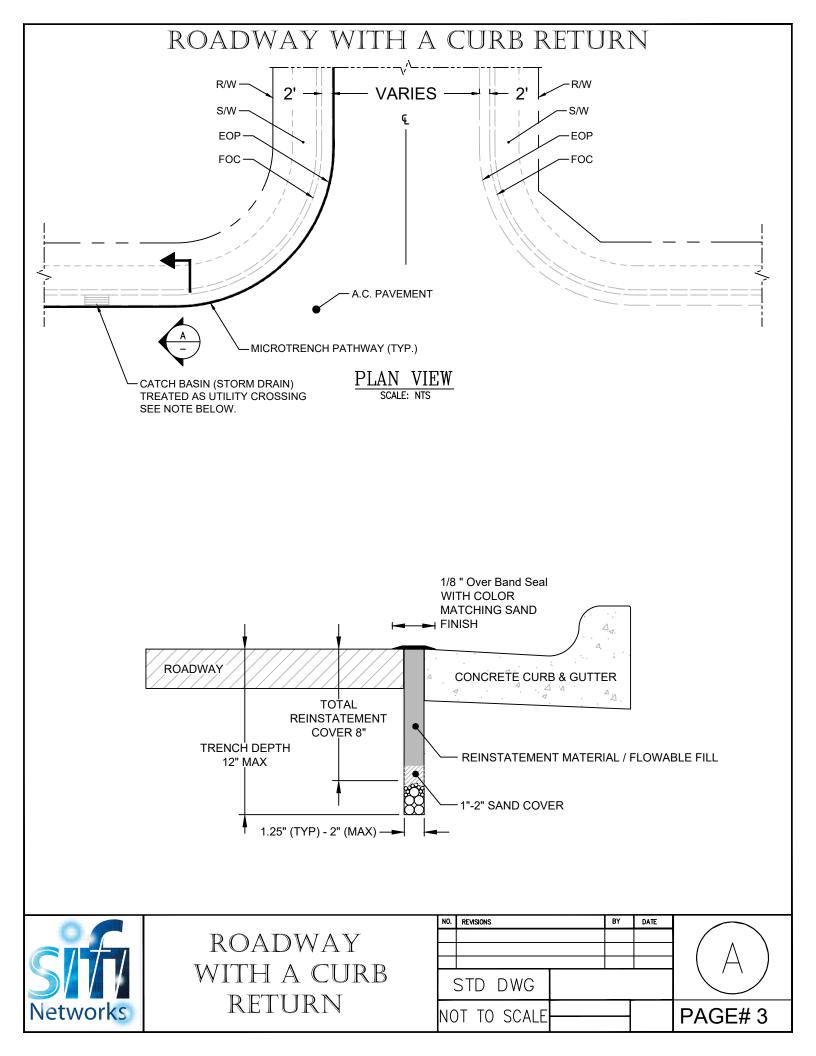
EXHIBIT A

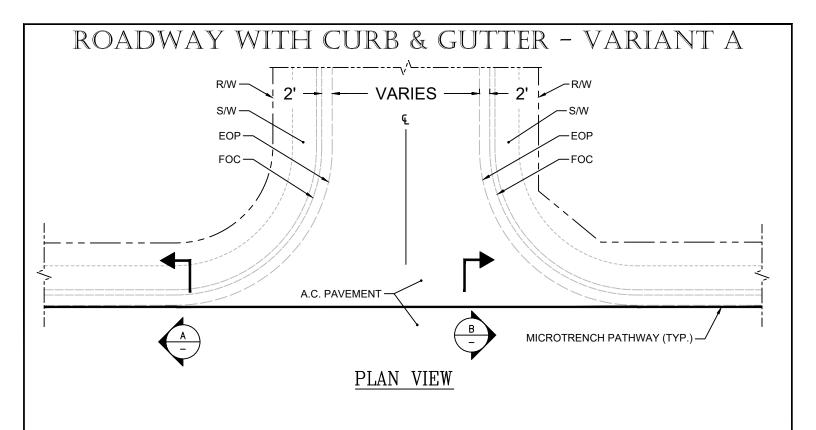
SPECIFICATIONS-SHELTERS-CABINETS
FIBER CITY TYPICAL SPECIFICATIONS
4/5/2022

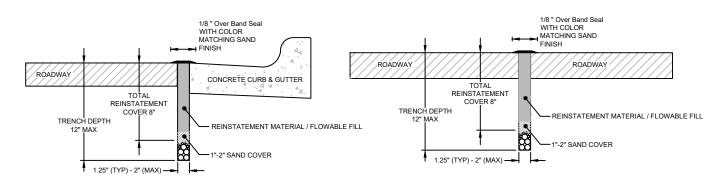


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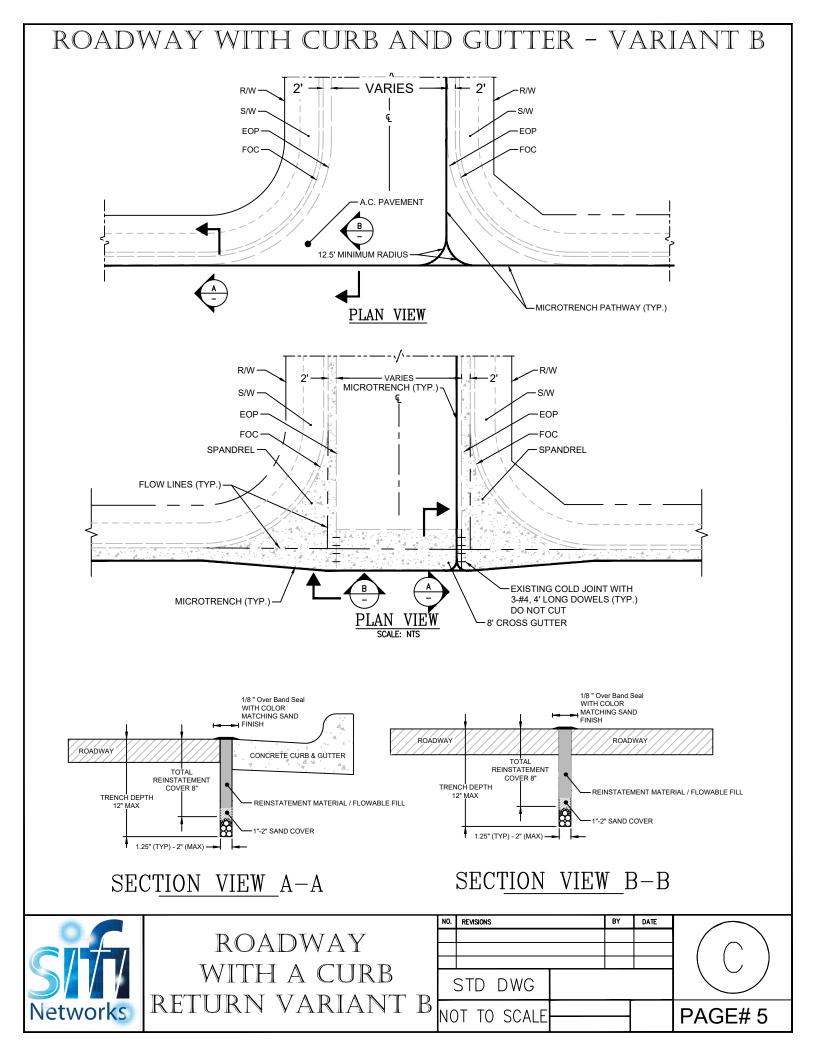
SECTION VIEW A-A

SECTION VIEW B-B

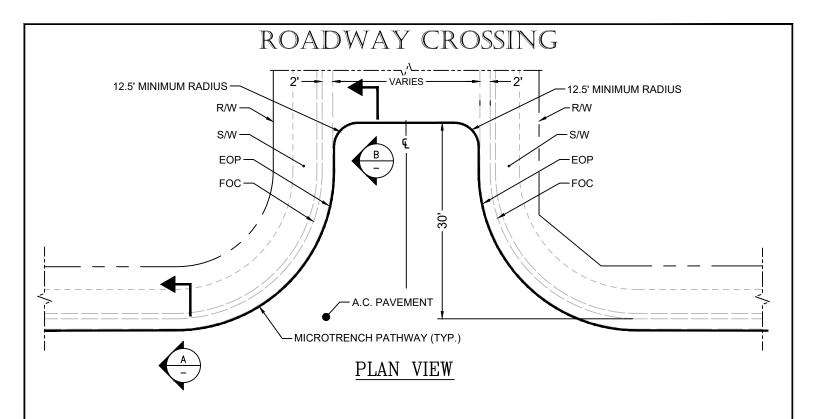


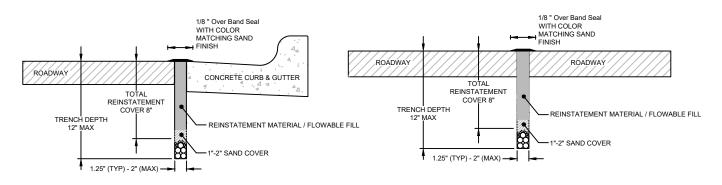
ROADWAY WITH A CURB RETURN VARIANT A

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ROADWAY WITH CURB AND GUTTER - VARIANT C VARIES -R/W R/W S/W S/W Œ EOP EOP FOC FOC A.C. PAVEMENT 12.5' MINIMUM RADIUS MICROTRENCH PATHWAY (TYP.) 12.5' MINIMUM RADIUS PLAN VIEW 1/8 " Over Band Seal WITH COLOR MATCHING SAND 1/8 " Over Band Seal WITH COLOR MATCHING SAND FINISH ROADWAY ROADWAY ROADWAY CONCRETE CURB & GUTTER TOTAL REINSTATEMENT REINSTATEMENT COVER 8" TRENCH DEPTH 12" MAX REINSTATEMENT MATERIAL / FLOWABLE FILL TRENCH DEPTH REINSTATEMENT MATERIAL / FLOWABLE FILL 12" MAX 1"-2" SAND COVER "-2" SAND COVER 1.25" (TYP) - 2" (MAX) -1.25" (TYP) - 2" (MAX) -SECTION VIEW B-B SECTION VIEW A-A NO. REVISIONS BY DATE ROADWAY H A CURB AND STD DWG Networks PAGE#6 NOT TO SCALE





SECTION VIEW A-A

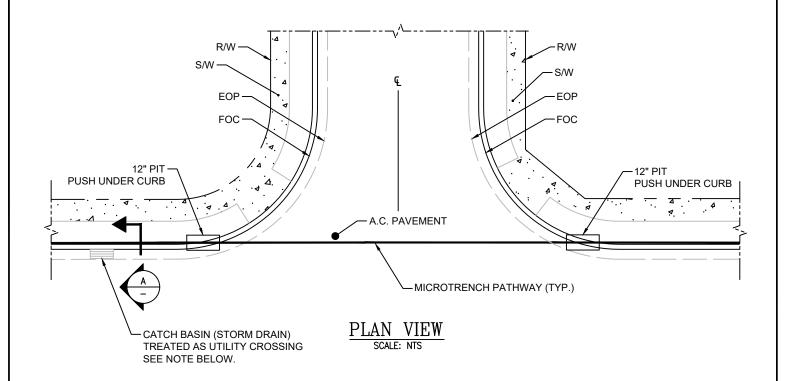
SECTION VIEW B-B

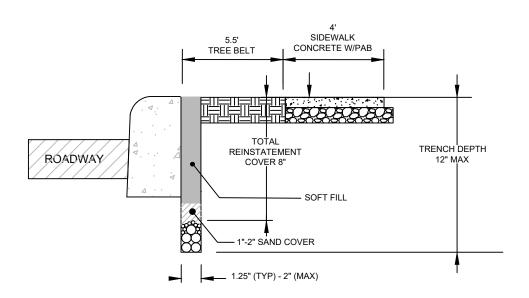


ROADWAY CROSSING

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ASPHALT ROAD CROSSING FROM BACK OF CURB





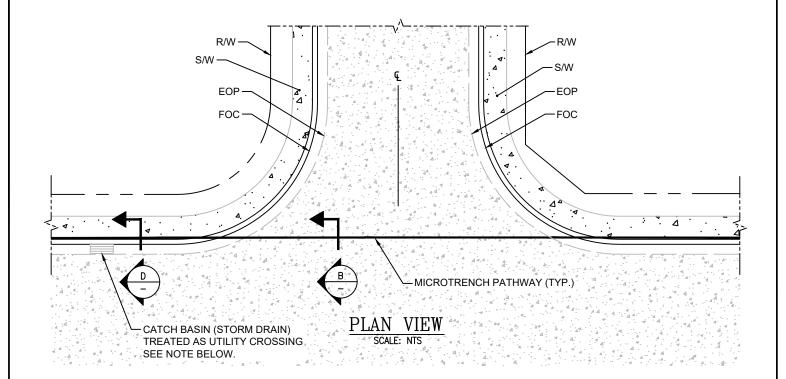
SECTION VIEW C-C

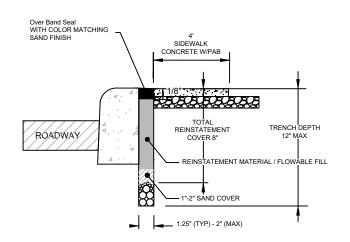


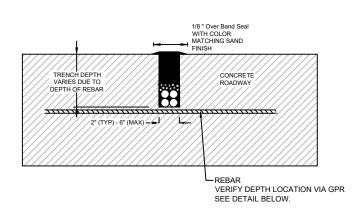
ASPHALT ROAD CROSSING FROM BACK OF CURB

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CONCRETE ROAD CROSSING FROM BACK OF CURB







SECTION VIEW D-D

SECTION VIEW BB-BB



CONCRETE ROAD CROSSING FROM BACK OF CURB

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Micro Trench/Traffic Loop **VARIES** S/W S/W EOP FOC-FOC MICROTRENCH (TYP.) A.C. PAVEMENT MICROTRENCH (TYP.) TUNNEL UNDER TRAFFIC LOOP VERIFY DEPTH LOCATION VIA GPR SEE DETAIL BELOW. PLAN VIEW SCALE: NTS Over Band Seal WITH COLOR MATCHING SAND TRAFFIC LOOP VERIFY DEPTH LOCATION VIA GPR SEE DETAIL BELOW. TRAFFIC LOOP VERIFY DEPTH LOCATION VIA GPR SEE DETAIL BELOW. ROADWAY ROADWAY CONCRETE CURB & GUTTER REINSTATEMENT MATERIAL / FLOWABLE FILL TRENCH DEPTH REINSTATEMENT 1"-2" SAND COVER COVER *VARIES* REINSTATEMENT MATERIAL / FLOWABLE FILL TRENCH DEPTH 12" MAX 1"-2" SAND COVER MICRO DUCTS TUNNEL UNDER ROADWAY WITH HAMMER DRILL. MICRO TRENCH STOPS 1" EACH 1.25" (TYP) - 2" (MAX) --TUNNEL UNDER ROADWAY WITH HAMMER DRILL SIDE OF SHALLOW UTILITY **PROFILE SECTION** VIEW NO. REVISIONS BY DATE Micro Trench/Traffic STD DWG Loop vetworks **PAGE# 10**

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STANDARD CHAMBER/INLET PROTECTION

FEATURES:

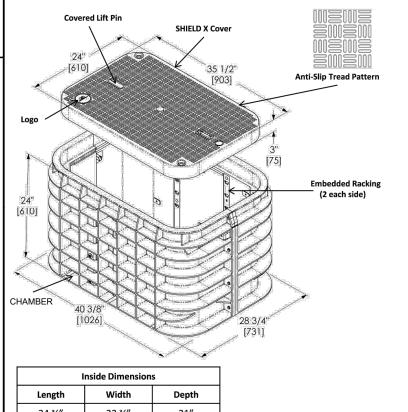
- 24" X 36" X 24" (open floor) (actual dimensions on drawing)
- CHAMBER SHIELD X COVER- Tier 22 Load Rated (ANSI/SCTE 77: 2013)
- (2) Cover locking Auger bolts, Hex (9/16") or Penta (7/8") head with washer
- (2) Non-Seizing Fastening System, Field Replaceable
- (4) Embedded Composite Rack Support
- (2) Lifting slot equipped with stainless steel pin (slot is approximately 2 ¾"x¾")
- (2) Winterized Cable Drop slide (1 1/2" X 1 1/4")
- (1) Logo Disk

WEIGHT & SHIPPING:

- Cover Weight: 47 lbs
- Box Weight: 55 lbs
- Assembly Weight: 102 lbs

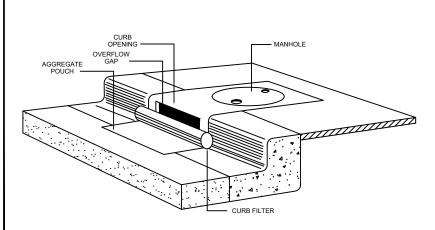
PERFORMANCE TESTING:

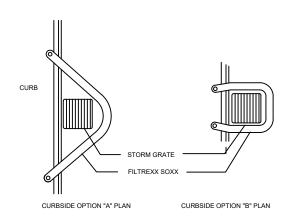
- ANSI/SCTE 77: 2013 TIER 22 Rated (33,750 lbs)
- AS3996 Class C
- EN124 Class B125
- ASTM C1028-07 & AS-4586 (Slip Resistance)
- 10,000 Hour Xenon-Arc Exposure (No fiber-bloom)
- ASTM D635-06 (Flammability)



Inside Dimensions				
Length	Depth			
34 ¾"	22 ¾"	21"		
[873]	[578]	[533]		

EXCESS SOXX MATERIAL TO BE DRAWN IN AND TIED OFF TO 2X2 WOODEN STAKE (TYP.)





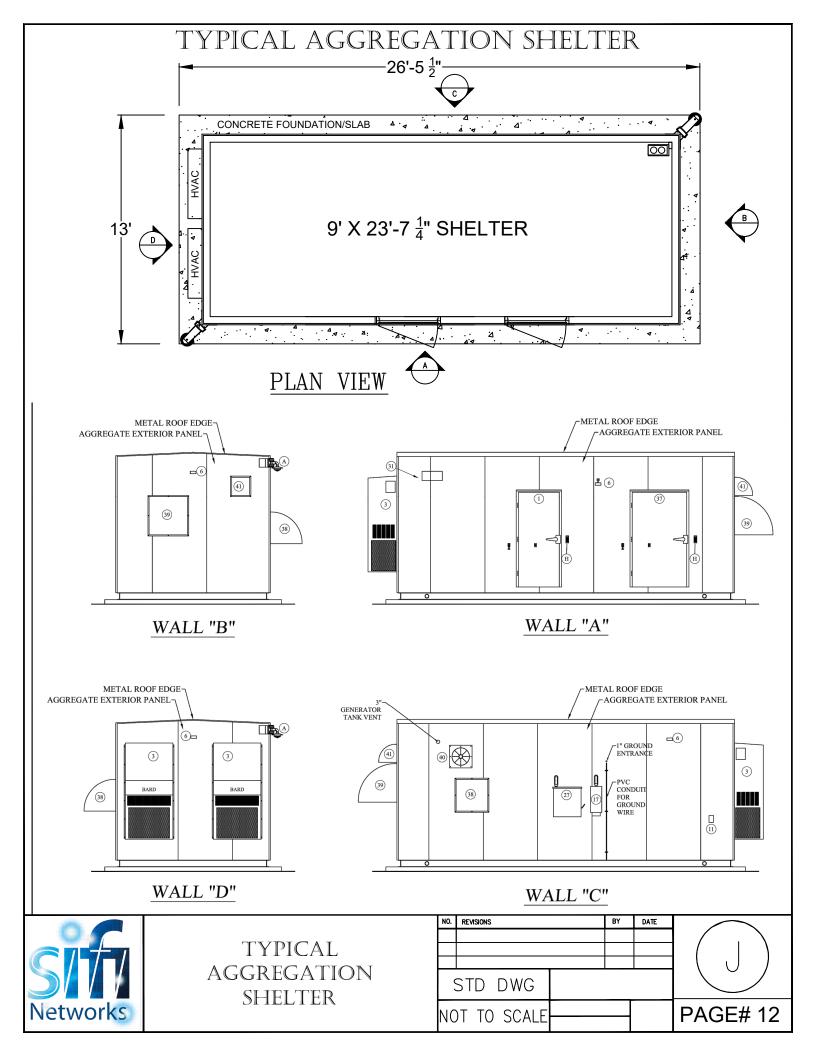
INLET PROTECTION

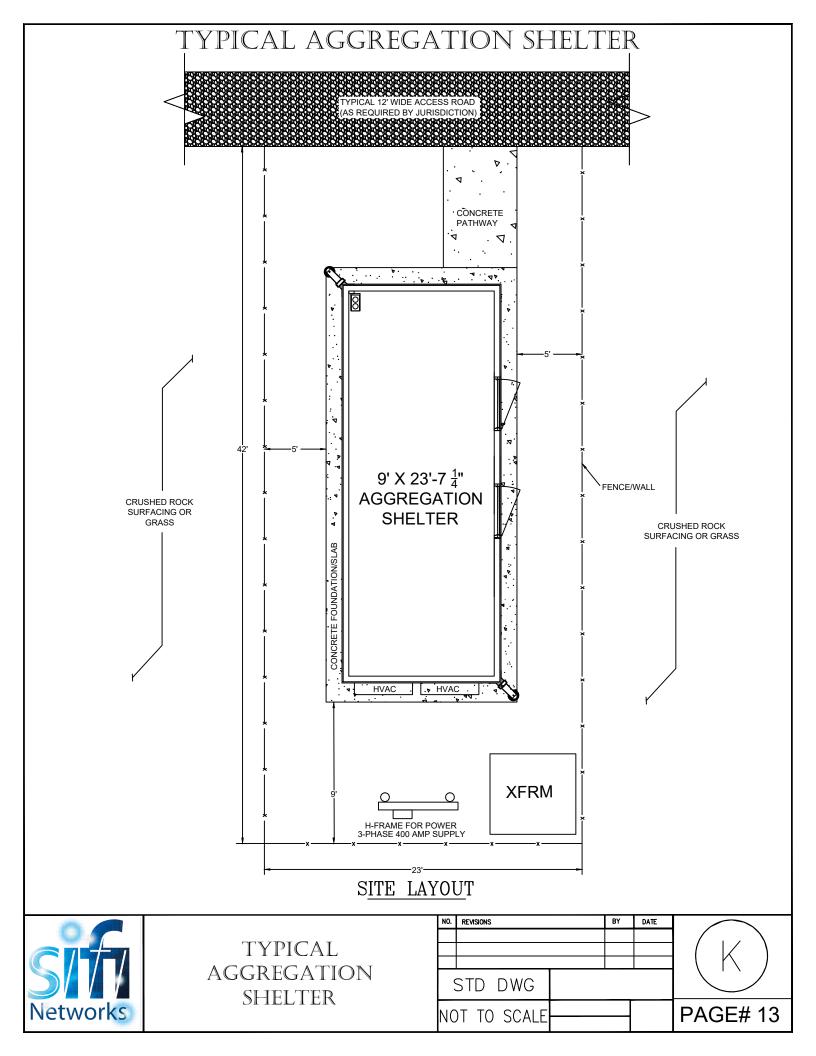


STANDARD CHAMBER/INLET PROTECTION

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TYPICAL AGGREGATION SHELTER ELEVATION VIEW

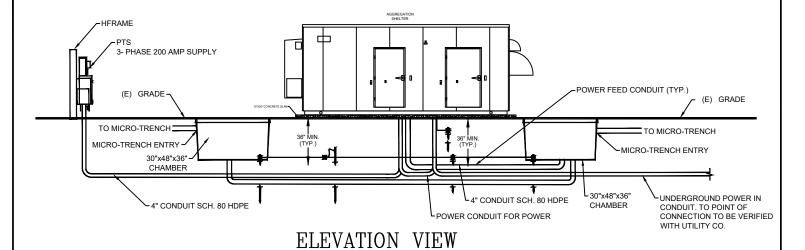


- MICRO TRENCH ENTRY NOTE:

 4" DIAMETER PENETRATION

 9" DOWN FROM TOP OF CHAMBER

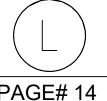
 6" IN FROM CORNER OF CHAMBER



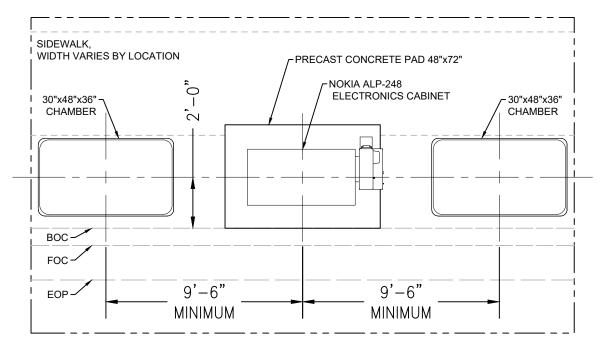
Networks

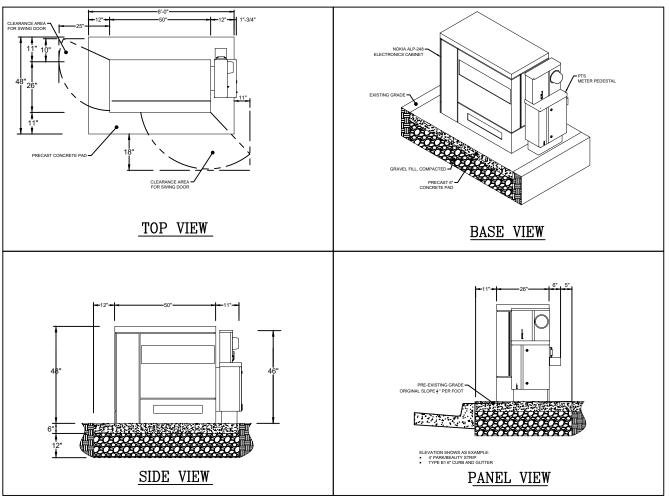
TYPICAL AGGREGATION SHELTER **ELEVATION VIEW**

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TYPICAL CABINET DETAILS





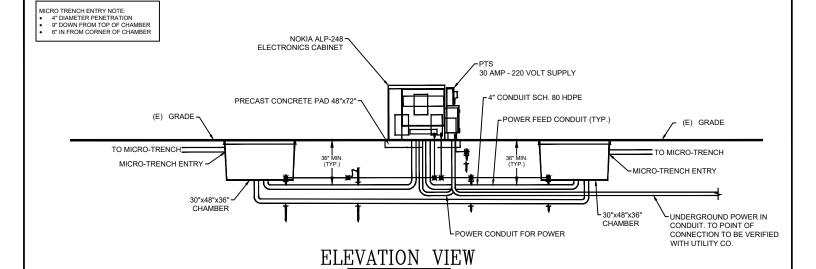


TYPICAL CABINET DETAILS

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TYPICAL CABINET DETAILS





TYPICAL CABINET **DETAILS**

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CABINET & AGGREGATION SHELTER

FEATURES:

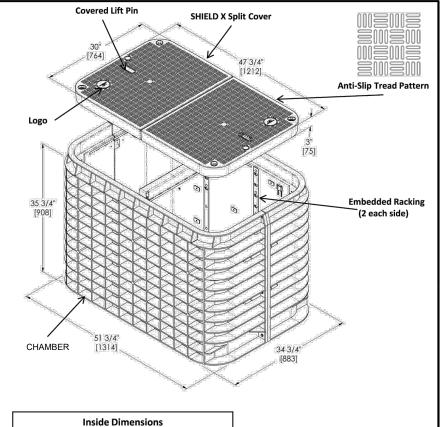
- 30" X 48" X 36" (open floor) (actual dimensions on drawing)
- CHAMBER SHIELD X Split COVER- Tier 22 Load Rated (ANSI/SCTE 77: 2013)
- (4) Cover locking Auger bolts, Hex (9/16") or Penta (7/8") head with washer
- (4) Non-Seizing Fastening System, Field Replaceable
- (4) Embedded Composite Rack Support
- (1) Lifting slot equipped with stainless steel pin (slot is approximately 2 ¾"x¾")
- (4) Winterized Cable Drop slide (1 1/4" X 1 1/4")
- (1) Galvanized Center Beam
- (2) Logo Disk

WEIGHT & SHIPPING:

- Cover Weight: 50 lbs (Per Half)
- Box Weight: 129 lbs
- Assembly Weight : 229 lbs

PERFORMANCE TESTING:

- ANSI/SCTE 77: 2013 TIER 22 Rated (33,750 lbs)
- AS3996 Class C
- EN124 Class B125
- ASTM C1028-07 & AS-4586 (Slip Resistance)
- 10,000 Hour Xenon-Arc Exposure (No fiber-bloom)
- ASTM D635-06 (Flammability)



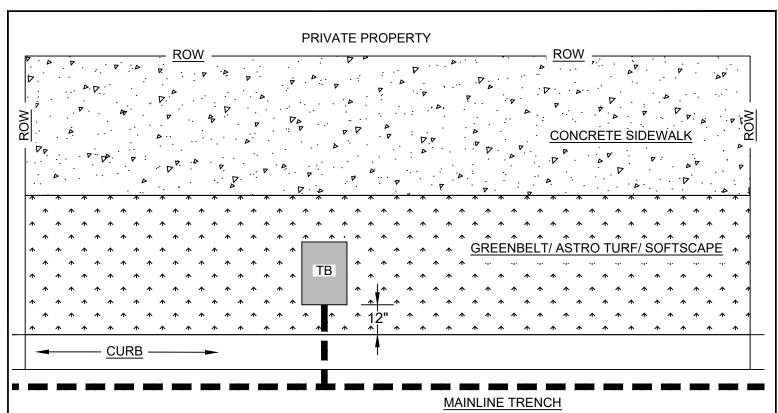
Inside Dimensions				
Length	Width	Depth		
46 ½" [1180]	28 ¾" [730]	32 ¾" [832]		
[1100]	[,50]	رددد		



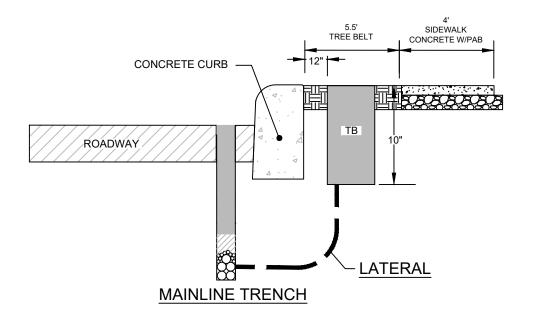
CABINET & **AGGREGATION SHELTER**

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ROADWAY ---

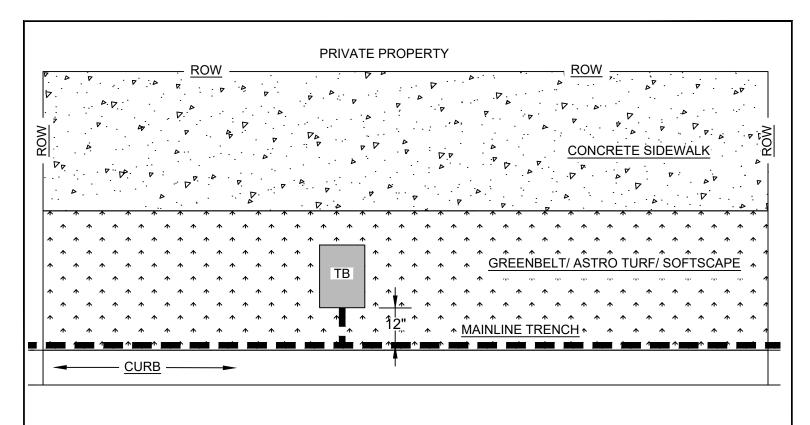


SECTION VIEW E-E

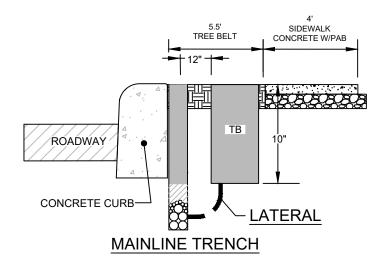


TOBY BOX PLACEMENT
IN SOFTSCAPE
WITH MAINLINE
TRENCH IN ROAD

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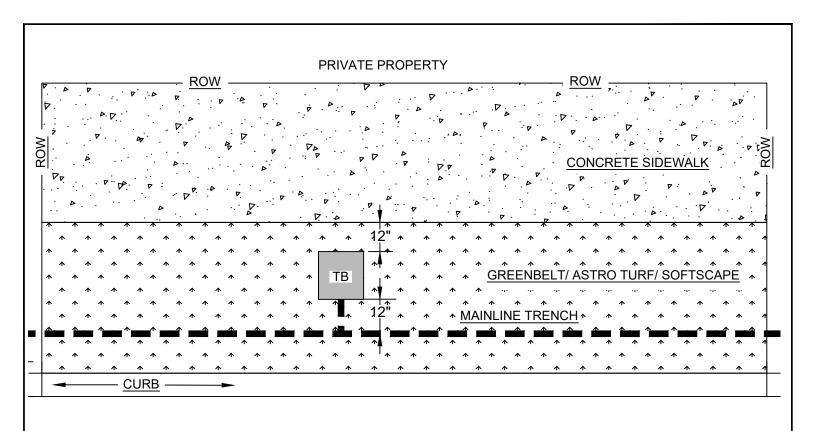


SECTION VIEW F-F

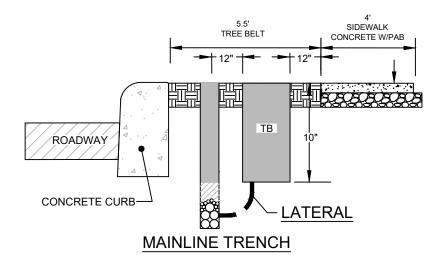


TOBY BOX PLACEMENT
IN SOFTSCAPE
WITH MAINLINE
TRENCH AT BACK OF
CURB

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ROADWAY ---

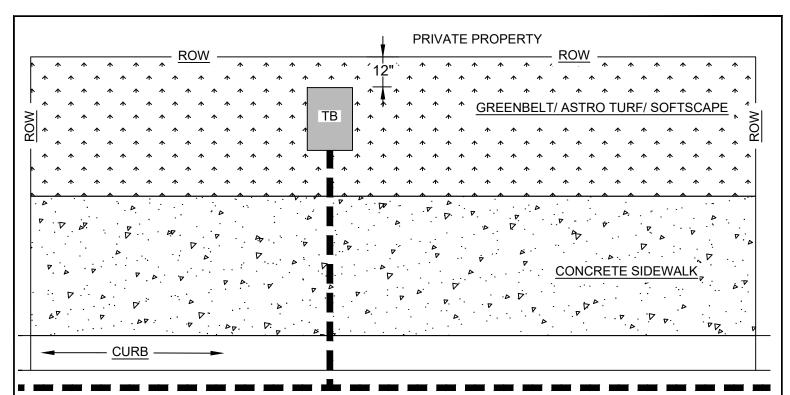


SECTION VIEW G-G



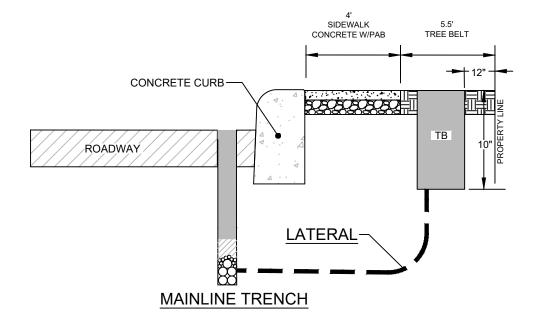
TOBY BOX PLACEMENT
IN SOFTSCAPE
WITH MAINLINE
TRENCH THROUGH
SOFTSCAPE.

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ROADWAY ---

MAINLINE TRENCH



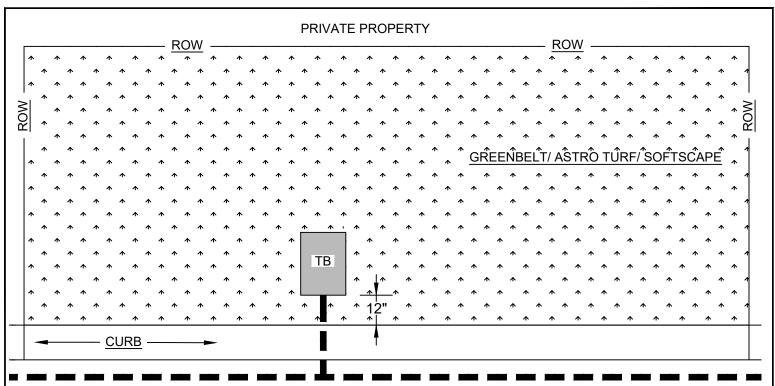
SECTION VIEW H-H



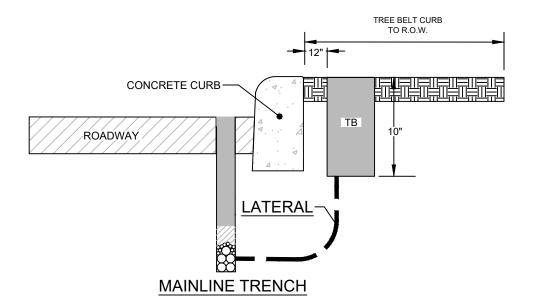
TOBY BOX PLACEMENT IN SOFTSCAPE WITH MAINLINE TRENCH

IN ROAD & GREENSPACE AGAINST THE PROPERTY LINE

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MAINLINE TRENCH



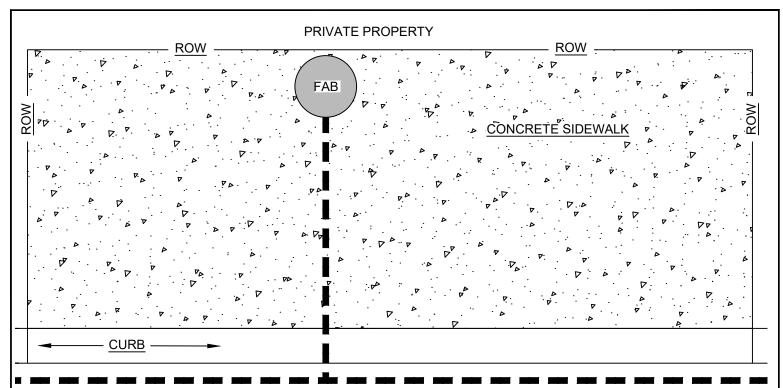
SECTION VIEW I-I



TOBY BOX PLACEMENT IN SOFTSCAPE WITH MAINLINE TRENCH IN ROAD & GREENSPACE

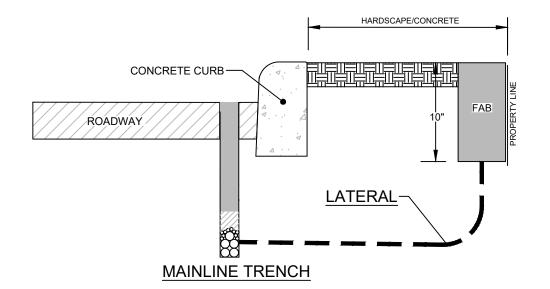
IN ROAD & GREENSPACE FROM CURB TO PROPERTY LINE

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ROADWAY ---



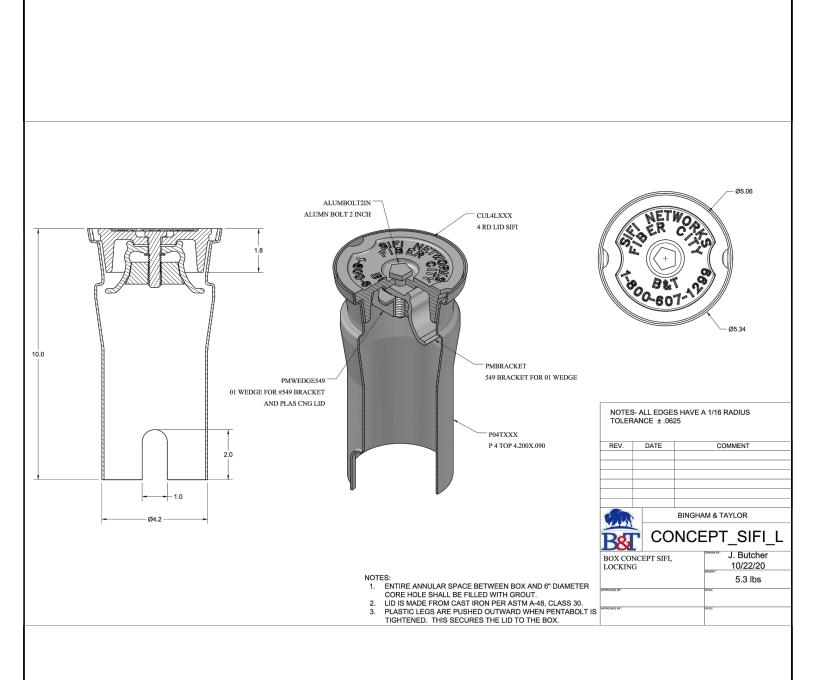


SECTION VIEW J-J



FAB (FIBER ACCESS BOX)
PLACEMENT IN HARDSCAPE WITH
MAINLINE TRENCH IN ROAD &
HARDSCAPE/CONCRETE
FROM CURB TO PROPERTY LINE

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FAB (FIBER ACCESS BOX) SPECIFICATION SHEET

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Subscriber Underground Access Chamber - 250mm

A universal modular chamber for housing subscriber terminations at customer demarcations.

Features

- 250mm depth Hand Hole
- Narrow Footprint Optimised for Narrow trenching
- 250mm Depth with radius optimised for Microduct routing
- Cost-Effective
- Modular Construction
- Simple to Install
- High Load Bearing Strength
- Up to 2x Microduct Couplers (2 Subscribers)
- Capable of housing Optical connectivity demarcations



TOBY BOX SPECIFICATION SHEETS

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Design

Designed to offer operators a universal modular chamber for housing subscriber terminations at customer demarcations.

The Underground Chamber can be used as a connection point for Microduct Links. Minimizing the effort and investment required to convert a network from homes passed to Homes Connected.

Product Information



Technical Information

Product Color	Black PP Gloss
Temperature, Operation [°C]	-45 to 90
Temperature, Storage [°C]	-45 to 90
Temperature, Installation [°C]	-45 to 90



TOBY BOX SPECIFICATION SHEETS

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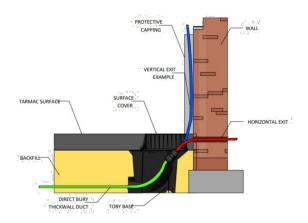




Conformance	Able to withstand loads of up to 5.5kN in accordance with			
	BS 5834-2 testing. Exceeding requirements for a Grade C			
	lid.			
Marking	Custom Logo Marking available on request			

Technical Details







TOBY BOX SPECIFICATION SHEETS

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Articles

Article name Subscriber Underground Access Chamber ENPP-TBY-BOX Black 256W255L × 128Dmm 0.7



TOBY BOX SPECIFICATION SHEETS

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