THE LOCATION OF ALL UNDERGROUND UTILITIES ARE NOT SHOWN. CONTRACTORS SHOULD CONTACT THE PENNSYLVANIA ONE-CALL SYSTEM FOR A MARK-OUT PRIOR TO EXCAVATION.

G38.00

EAST WHITELAND TOWNSHIP

PARCEL #42-4-318

TO BE REMOVED

PARCEL #42-4-320

MANOR LOAM, 15-25% SLOPES

55.5')

77.38

377.

W 7 7

T 3 7

39 B 7

6 7.

1

6 6.

37

1 1 37

37.
INFILTRATION SYSTEM SHOULD BE RELOCATED TO A MORE SUITABLE LOCATION ON THE SITE.

TO PROVIDE AN EVEN SURFACE FOR PAVING.

3. DRAWN:

S:\CAD\06476 - Bishop Tube\Plan Set\12_PCSM01.dgn

SHEET:

N 60

SITE ID: 20182813492

RIPARIAN BUFFER

REGISTERED

IN GENERAL, THE VERTICAL DESIGN OF PROPOSED GRAVITY UTILITIES, AS

77 6.

P

FILL IN REMAINING STONE TO A DEPTH 6-INCHES ABOVE THE ADS N-12 PIPING. PLACE FINAL MARK M.

S

Y

N

EXCAVATE THE BASIN TO A UNIFORM LEVEL AND FILL WITH 6-INCH STONE BEDDING. WHERE

OUTLET STRUCTURE. INSTALL STEEL WEIR PLATE WITH ORIFICES (SEE MH #305 DETAIL).

CONCRETE

EXCAVATE RAINGARDEN TO PROPOSED INVERT DEPTH, AND SCARIFY THE EXISTING SOIL SURFACES. DO NOT

DISTURBANCE.

THOSE AREAS DESCRIBED IN EACH STAGE.

SHALL BE COMPLETED BEFORE A FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO

ORANGE CONSTRUCTION FENCING AROUND PROPOSED INFILTRATION BMP's.

TO/GLN.

THE EMBANKMENT. SHOULD THIS OCCUR, REMOVE CAP WITH 1/2" DIA. ORIFICE IN OUTLET STRUCTURE TO DISCHARGE STANDING WATER.

E. IF THERE IS ANY EVIDENCE THAT LINER MAY NOT BE WATERTIGHT IMMEDIATE ACTION AND SYSTEM REPLACEMENT WILL BE WARRANTED.

1. CRITICAL STAGES OF CONSTRUCTION SHALL BE WITNESSED BY A LICENSED PROFESSIONAL ENGINEER INCLUDING THE CONSTRUCTION OF THE RAIN GARDENS

2. SITE INSPECTION OF ALL DRAINS

3. TEMPORARY ENTRANCE ROAD, NO SOIL SHOULD BE EXPOSED TO THE ELEMENTS OVERNIGHT.

A. IF THERE IS ANY EVIDENCE THAT LINER MAY NOT BE WATERTIGHT IMMEDIATE ACTION AND SYSTEM REPLACEMENT WILL BE WARRANTED.

1. CRITICAL STAGES OF CONSTRUCTION SHALL BE WITNESSED BY A LICENSED PROFESSIONAL ENGINEER INCLUDING THE CONSTRUCTION OF THE RAIN GARDENS

2. SITE INSPECTION OF ALL DRAINS

1. THIS PROJECT IS IN A SPECIALLY PROTECTED HIGH QUALITY

2. CRITICAL STAGES OF CONSTRUCTION SHALL BE WITNESSED BY A LICENSED PROFESSIONAL ENGINEER INCLUDING THE CONSTRUCTION OF THE RAIN GARDENS

3. SITE INSPECTION OF ALL DRAINS

4. STABLE DEBRIS:

CONSISTENT WITH GOOD FOREST MANAGEMENT PRACTICES, COULD ALSO BE USED IN ZONE 2.

5. THE PROPOSED RAIN GARDENS WILL REDUCE THE PEAK RATE AND VOLUME OF STORMWATER RUNOFF FOR ALL STORM EVENTS, THUS REDUCING THE

6. THE PROPOSED IMPERVIOUS AREAS HAVE BEEN MINIMIZED BY UTILIZING THE SMALLEST ACCEPTABLE ROADWAYS AND SIDEWALK WIDTHS PER THE TOWNSHIP

7. STORMWATER RUNOFF FROM THE SITE WILL BE DISCHARGED INTO THE LITTLE VALLEY CREEK. IT HAS AN EXISTING AND DESIGNATED USE AS EXCEPTIONAL

8. THE PROPOSED DEVELOPMENT WILL PRESERVE THE INTEGRITY OF STREAM CHANNELS AND MAINTAIN AND PROTECT THE PHYSICAL AND CHEMICAL

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EXISTING INFORMATION RECEIVED FROM UTILITY COMPANIES.

3. THE CONTRACTOR SHALL INSPECT THE PROJECT AREA WEEKLY AND PROPERLY DISPOSE OF ALL CONSTRUCTION WASTES.
1. Existing storm pipes are to be removed, and channel is to be graded and stabilized to conform to existing channel.

2. Design and construction are to be in accordance with manufacturer's specifications.

3. Shop drawings and design calculations, signed and sealed by a Pennsylvania licensed professional engineer, are to be submitted and approved.

4. Dowell pin curb where curb abuts inlet hoods. Curbs or to conform to cross-sectional area of curb.

5. Exposed concrete.

DEPRESSED CURB DETAIL

CONCRETE CURB TO BELGIAN BLOCK CURB TRANSITION DETAIL

BELGIAN BLOCK CURB

SECTION A-A

DRIVEWAY PAVEMENT SECTION

CONCRETE SIDEWALK DETAIL

TYPICAL CROSS SECTION

PLANT-CEMENT CONCRETE CURB

NOT TO SCALE

DEPRESSED BELGIAN BLOCK CURB AT DRIVEWAY

CONSPAN ARCH CULVERT DETAIL

ELEVATION

LEVELING PAD

DEPRESSED BELGIAN BLOCK CURB

3. Place all measured dimensions and elevations shown on drawings. Dimensions shown on drawings are in feet and inches unless otherwise noted.

4. Curved radii and transitions shall be constructed to match the curve radius and transitions of the finished pavement.

5. Contractor shall provide a tack coat prior to final topping.

6. Place non-shrink cement with non-shrink cement and joint to be cleaned and air entrained.

7. Place one layer of 6 x 6 - W2.0 x W2.0 welded wire fabric reinforcement to the slope of the sidewalk. All edges shall be finished with an approved surface.

8. Place 3/4 inch premolded expansion joint filler material every 50' (max.), for plain concrete curb and for plain concrete curb gutter.

9. Joint shall be rounded 1/4" radius.

10. Pooling drains shall be installed at appropriate locations throughout apron and sidewalk.

11. Wire fabric reinforcement to be continuous 2 layers of 6 x 6 - W2.0 x W2.0 welded wire fabric reinforcement.

12. Wear course shall be approved granite.

13. Joint shall include all components up to and including the binder course.

14. Place 1/2" premolded expansion joints to be placed every 24 feet or 25 feet (maximum).

15. Place 10" class "A" asphalt.