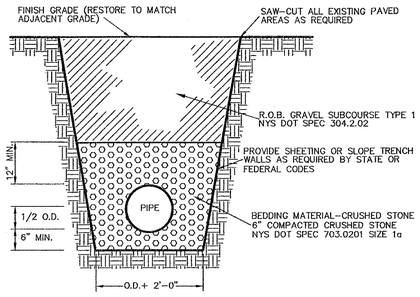
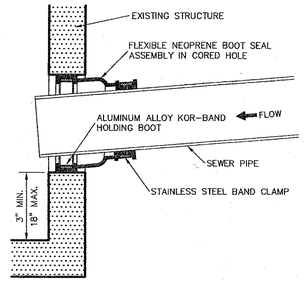


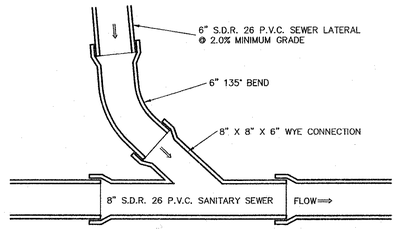
TYPICAL TRENCH DETAIL

NOT TO SCALE



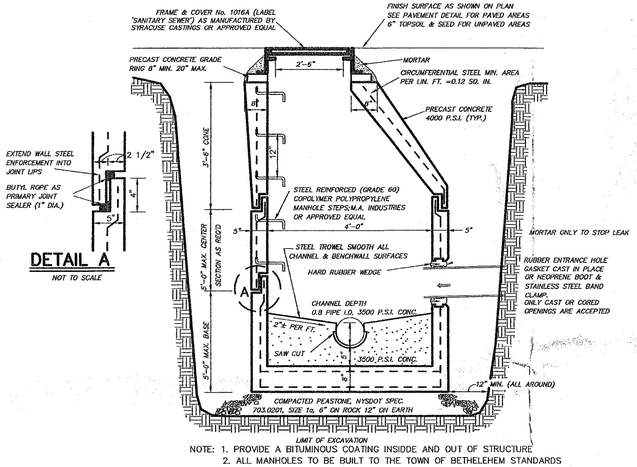
CORED IN FIELD CONNECTION

NOT TO SCALE



PLAN SECTION WYE CONNECTION DETAIL

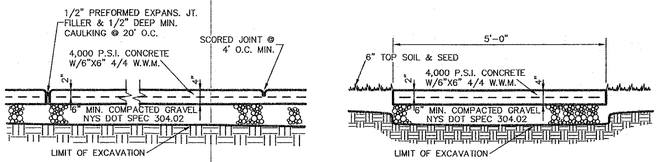
NOT TO SCALE



NOTE: 1. PROVIDE A BITUMINOUS COATING INSIDDE AND OUT OF STRUCTURE
2. ALL MANHOLES TO BE BUILT TO THE TOWN OF BETHLEHEM STANDARDS

SANITARY SEWER MANHOLE DETAIL

NOT TO SCALE

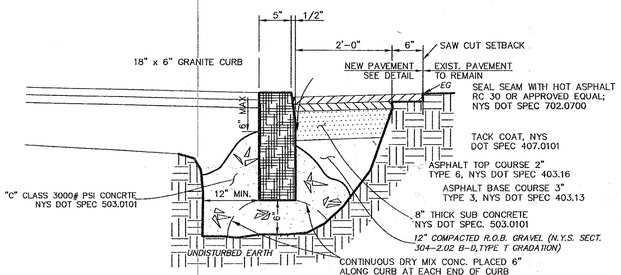


LONGITUDINAL SECTION

CROSS SECTION

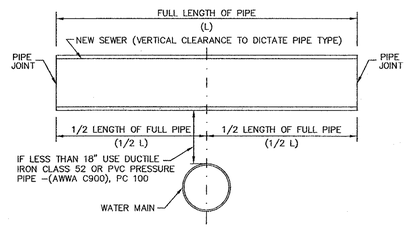
CONCRETE WALK DETAIL

NOT TO SCALE

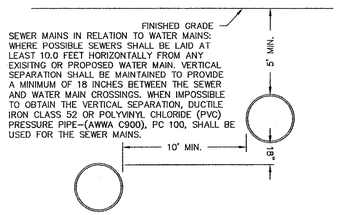


GRANITE DROP CURB DETAIL

NOT TO SCALE



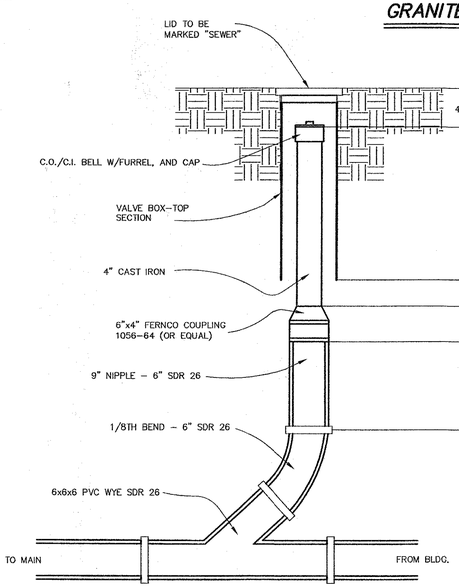
WATER & SEWER MAIN CROSSING



WATER & SEWER MAIN RUNNING PARALLEL

WATER & SEWER MAIN RELATION DETAIL

NOT TO SCALE



6" P.V.C. INTERMEDIATE CLEANOUT DETAIL

NOT TO SCALE

DETECTABLE WARNING SURFACE NOTES:

THE DOMES PROVIDED ARE NOT GRAWN TO SCALE. THE QUANTITY OF DOMES DEPICTED ON THE DETECTABLE WARNING UNIT (THE DOMES AND THE ENTIRE 24" LEVEL SURFACE) IS FOR ILLUSTRATION ONLY.

DETECTABLE WARNING UNIT DIMENSIONS:

THE SIZE OF THE DETECTABLE WARNING FIELD SHALL BE 24" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUSIVE OF SIDE FLARES.

DOME ALIGNMENT:

THE ROWS OF DOMES SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE CURB BREAK BETWEEN THE RAMP LANDING OR CURB RAMP AND THE STREET.

WHERE DOMES ARE ARRAYED RADIALLY THEY MAY DIFFER IN DOME DIAMETER AND CENTER-TO-CENTER SPACING WITHIN THE RANGES SPECIFIED ON THIS SHEET.

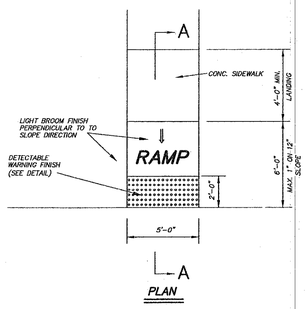
COLOR REQUIREMENTS:

THE DETECTABLE WARNING FIELD SHALL BE THE COLOR SPECIFIED IN THE CONTRACT DOCUMENTS OR MEET THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

DETECTABLE WARNINGS LOCATIONS:

DETECTABLE WARNINGS SHALL BE LOCATED SO THAT THE EDGE OR CORNER OF THE WARNING FIELD NEAREST TO THE ROADWAY IS 5" TO 9" FROM THE FRONT OF THE CURB OR THE ROADWAY EDGE (12" WHERE TRANSVERSABLE CURB IS USED).

THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 6'-0" MINIMUM AND 15'-0" MAXIMUM FROM THE CENTERLINE OF THE NEAREST RAIL.



PLAN

NOTE: CONFORM TO ALL ADA REGULATIONS

HANDICAPPED RAMP PLAN

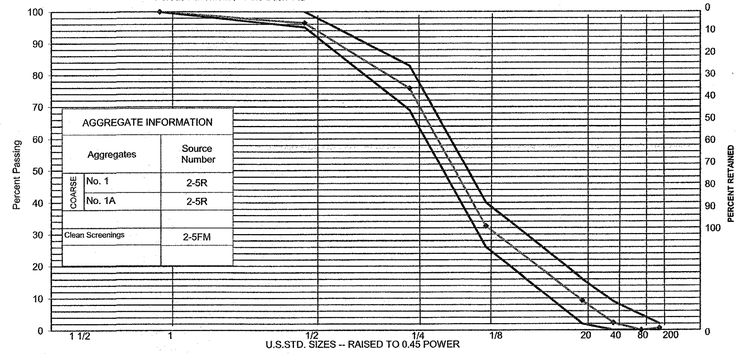
NOT TO SCALE

FOR MUNICIPAL APPROVAL ONLY-NOT INTENDED FOR CONSTRUCTION

CALLANAN INDUSTRIES, INC.

Facility No. 10018 Formula No. 1
Plant Plant # 33, King Road Materials Region 1
Plant Location Fac # 10018 Town of Colonie
Submitted By Cindy LaFleur Date April 2, 2013

Porous Pavement , "Pine Bush Top"



	Sieve Size	2"	1 1/2"	1"	1/2"	3/8"	#4	#8	#16	NO. 200	Asphalt Content (Percent)	Asphalt Grade
% Passing	1. General Limits			100	95 - 100	69-83	26-40	2-16	0-9	0-2		As Needed
	2. JMF Range			100	95 - 100	69 - 83	26 - 40	2 - 16	0 - 9	0.0- 2.0		PG 64-22P
	3. Target Value			100	96.4	75.9	32.6	9.3	2.3	0.6	4.9	

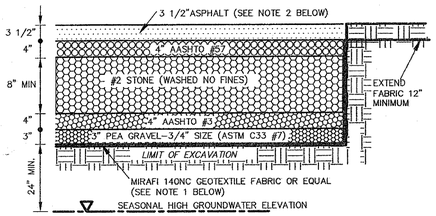
POLYMER 3% MIN.

QC Approved by:
Remarks

Date June 22, 2012

POROUS PAVEMENT INSTALLATION GUIDELINES & CONSTRUCTION SEQUENCE

- *REMOVE ANY NON- NATIVE SOILS, GRAVEL, ETC. FROM THE PAVEMENT AREA.*
- *PLACE SAND FILL WHERE NEEDED BRING AREA TO SUBGRADE.*
- *DECOMPACT PAVEMENT SUBGRADE UTILIZING METHODS AS DESCRIBED IN DEEP--RIPPING AND DECOMPACTION* ***DEEP RIPPING AND DECOMPACTION (NYSDEC), APTIL, 2008.***
- *ROLL SUBGRADE LIGHTLY (A SINGLE PASS WITH AN 8 TON NON--VIBRATORY ROLLER IS SUFFICIENT).*
- *PLACE GEOTEXTILE ON SUBGRADE (OVERLAP JOINTS A MINIMUM OF 18")*
- *PLACE LAYERS OF STONE AS PER THE DESIGN STANDARD (IN THIS CASE BECAUSE THE LARGEST LIFT IS 8" OF CLEAN #2 STONE, ALL LAYERS CAN BE PLACED IN A SINGLE LIFT).*
- *PLACE SOILS IN A SINGLE PASS. DO NOT RUN CONSTRUCTION EQUIPMENT OVER PLACED MATERIAL. AVOID COMPACTION.*
- *WHEN CHOKER COURSE OF STONE IS PLACED, A NON--VIBRATORY ROAD ROLLER CAN BE USE AFTER FINE GRADE IS SET BY GRADER.*
- *PLACE POROUS PAVEMENT IN SINGLE LAYER WHERE NO BASE/BINDER COURSE IS CALLED FOR. ROLL AS NORMAL PAVEMENT. BE CAREFUL WHEN ROLLING ADJACENT STRIPS NOT TO LEAVE A STAND--UP JOINT TO BE ROLLED INTO ADJOINING STRIP BUT ROLL ALONG THE EDGE.*
- *RECEIPT OF ASPHALT CONCRETE MATERIALS:*
  MATERIAL WILL NOT BE ACCEPTED UNLESS COVERED WITH A TARPAULIN UNTIL UNLOADED, AND MATERIAL HAS A TEMPERATURE OF 250--325 DEGREES F.
  DO NOT BEGIN PLACEMENT OF ASPHALTIC CONCRETE MATERIALS WHEN ATMOSPHERIC TEMPERATURE IS BELOW 40 DEGREES F. FOR BASE COURSE OR IS BELOW 45 DEGREES F. FOR TOP COURSE, NOR DURING FOG, RAIN, OR OTHER UNSUITABLE CONDITIONS.
- *SPREAD MATERIALS WITH THE LEAST AMOUNT OF HANDLING.*
  ROLLING:
  AFTER MATERIAL HAS BEEN SPREAD TO PROPER DEPTH, ROLL UNTIL SURFACE IS HARD, SMOOTH, UNYIELDING, AND TRUE TO THICKNESS AND ELEVATIONS SHOWN ON CONTRACT DRAWINGS. ROLL IN AT LEAST TWO DIRECTIONS UNTIL NO ROLLER MARKS ARE VISIBLE.
- *PREVENT ANY TRAFFIC ON THE PAVEMENT FOR 48 HOURS.*
- *ASSURE THAT CONSTRUCTION DEBRIS AND SAND IS NOT PLACED ON THE PAVEMENT.*
- *PROTECT PAVEMENT FROM ADJOINING UNVEGETATED SAND BY EITHER PLACING A SILT FENCE OR LEAVING ADJOINING GRADE BELOW THE ASPHALT COURSE UNTIL LAWNS ARE CONSTRUCTED.*
- *LAWNS SHOULD BE CONSTRUCTED UTILIZING SANDY LOAM TOPSOIL.*
- *ASSURE THAT NO HYDROSEED MULCH BE ALLOWED TO ACCUMULATE ON THE PAVEMENT.*



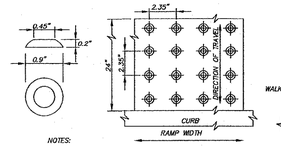
COMPLIANT WITH JUNE 2010 NYSSWDM

PAVEMENT SECTION

Sieve Size		Percent Passing AASHTO #3	Percent Passing ASTM C33SC Size #7	Percent Passing AASHTO #57
MM	In			
62.5	2.5	100		100
50	2	95--100		100
37.5	1½	35- 70		100
25	1	0--15	100	75--100
18.75	¾"	-	90--100	-
12.5	½	0 -5	20--55	25--60
9.5	3/8	<5	0--15	25
4.75	#4	<5	0--5	0--10
2.36	#8	<5	0	0--5

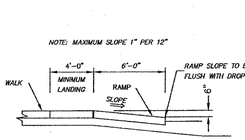
TYPICAL PAVEMENT DETAIL

NOT TO SCALE

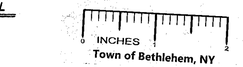


NOTES:
1. CONFORM TO ALL ADA REGULATIONS.
2. CONFORM TO STATE OF NEW YORK DEPARTMENT OF TRANSPORTAION MAPS ENTITLED "SIDEWALK CURB RAMP DETAILS, No. M608--392" AND "DETECTABLE WARNING DETAILS, No. M608--581".

DETECTABLE WARNING SURFACE DETAIL



SECTION A - A



Town of Bethlehem, NY

APPLICANT: MARINI LAND 1, INC.

TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

Town of Bethlehem Planning Board
By direction of the Chairman
these plans are hereby Approved.
See first sheet for date & signature.

HERSHBERG & HERSHBERG
Consulting Engineers and Land Surveyors
18 Locust Street
Albany, New York 12203

ALTERATION OF THIS DOCUMENT EXCEPT BY A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, IS ILLEGAL

STATE OF NEW YORK DANIEL R. HERSHBERG 044226 LICENSED PROFESSIONAL ENGINEER & LAND SURVEYOR

REVISIONS	DATE
TOWN COMMENT LETTER #1	11/15/13
TOWN REVIEW COMMENTS	11/26/13
DPW & BLDG DEPT REVIEW	11/27/13

PROPOSED SITE DETAILS
BLESSINGS CORNER
No. 572 RUSSELL ROAD
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

FILE: 080032 | SCALE: AS NOTED | BY: WM | CHK: DRH | DATE: 9/26/13 | 080032-marini01.DWG

C9