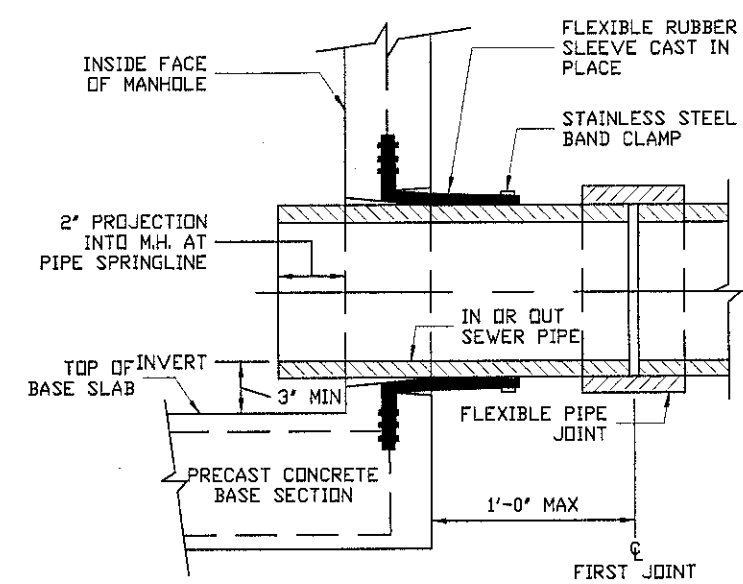


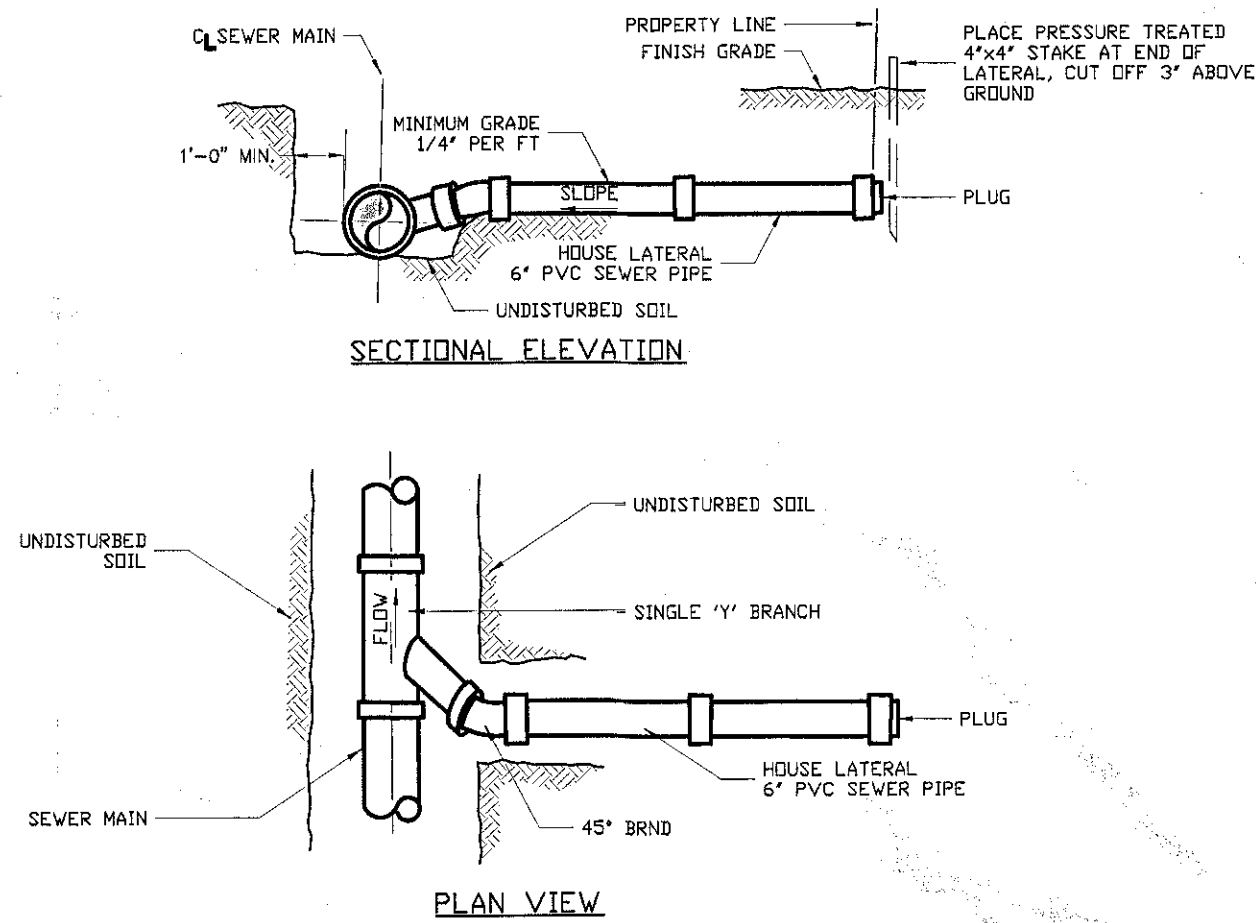
### FLEXIBLE PIPE TO MANHOLE JOINT DETAIL

SCALE: NONE



### HOUSE CONNECTIONS

SCALE: NONE

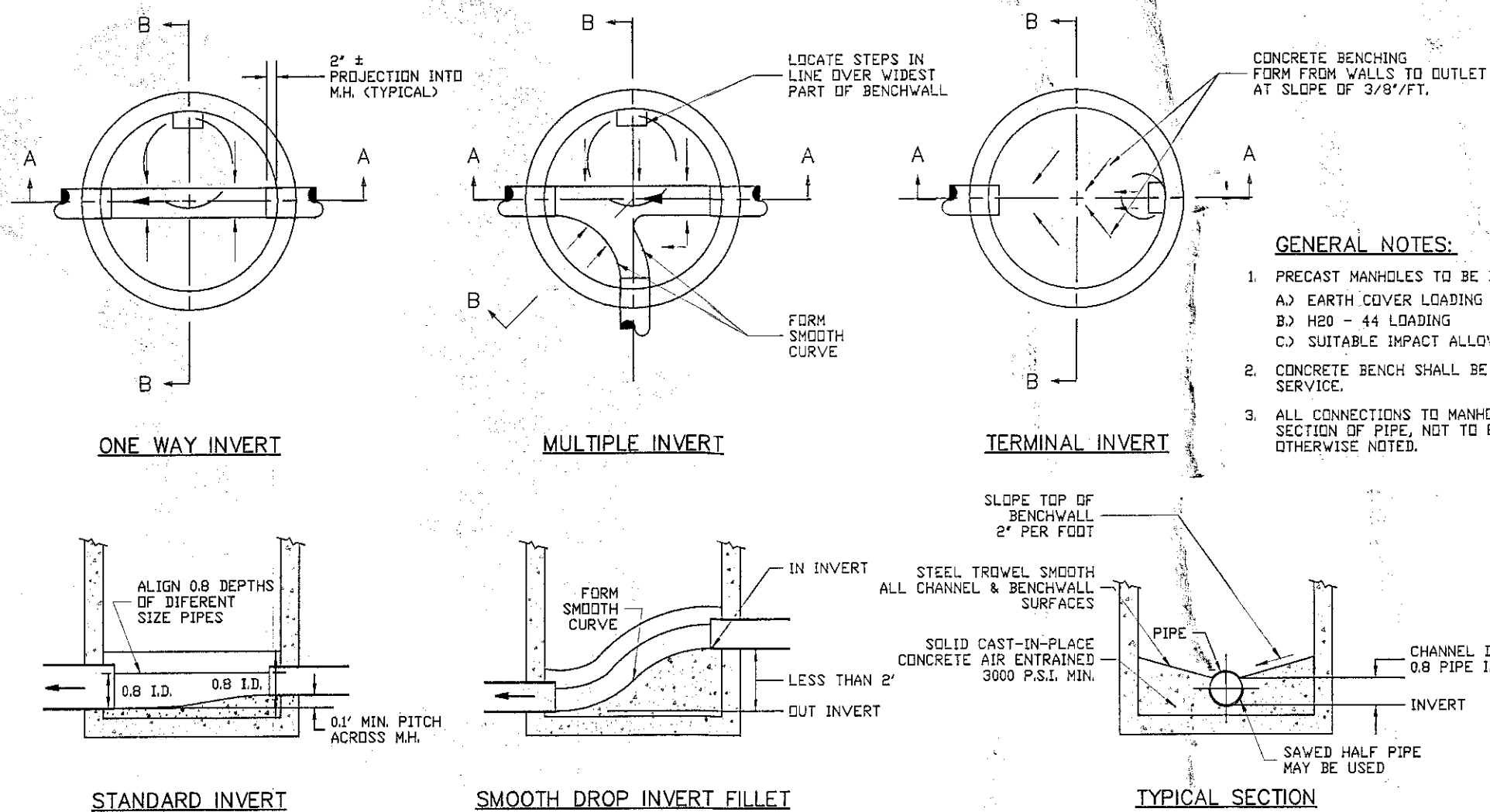


- DESIGN, CONSTRUCTION, MATERIAL STANDARDS, MINIMUM SEPARATION DISTANCES, AND INSPECTION REQUIREMENTS SHALL COMPLY WITH THE LATEST EDITIONS OF:  
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PUBLICATIONS)  
DESIGN STANDARDS FOR WASTE WATER TREATMENT WORKS, 1998  
A) CLUMS.B. PUBLICATION RECOMMENDED STANDARDS FOR SEWAGE WORKS, 1999 EDITION  
B) ALL REQUIREMENTS SET FORTH BY THE RENSSELAER COUNTY HEALTH DEPARTMENT, (RCHD)  
C) ALL REQUIREMENTS SET FORTH BY THE TOWN OF SCHODACK.
- THERE SHALL BE NO CHANGES ON THESE PLANS UNLESS FIRST APPROVED BY THE (RCHD) AND THE TOWN OF BETHLEHEM.
- NO WATER DEVELOPED BY FOOTING DRAINS, SUMP PUMPS, WATER SOFTENER BACKWASH, ETC. SHALL BE DISCHARGED TO THE SANITARY SEWER. ALL SUCH WATER SHALL OUTLET TO A POSITIVE DRAINAGE WAY OR TO THE STORM SEWER SYSTEM.
- THE DEVELOPER SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER TO SUPERVISE CONSTRUCTION AND TO CERTIFY THAT THE FACILITIES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED ENGINEER'S REPORT, PLANS, SPECIFICATIONS, AND PERMIT TO CONSTRUCT.
- DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. THE REQUIREMENT FOR THE TEST MAY BE WAIVED BY THE (RCHD).
- AN INFILTRATION OR EXFILTRATION TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF TWO (2) FEET. THE LEAKAGE TEST SHALL NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY. IF AN AIR TEST IS USED, AS A MINIMUM, THAT TEST SHALL CONFORM TO THE TENTATIVE RECOMMENDED PRACTICE FOR LOW-PRESSURE AIR-TEST OF VERIFIED CLAY PIPE LINES. THE TESTING METHODS SHOULD TAKE INTO CONSIDERATION THE RANGE OF GROUNDWATER ELEVATIONS PROJECTED AND THE SITUATION DURING THE TESTING.
- STANDARD SEWER LINE AND MANHOLE WATER TIGHTNESS TESTS AND INSPECTIONS SHALL BE CONDUCTED (LEAKAGE ONLY) TO EXCEED 100 GALLONS PER INCH DIAMETER PER MILE PER DAY. RESULTS TO BE CERTIFIED TO THE RENSSELAER COUNTY HEALTH DEPARTMENT.
- ALL SEWER MAINS ARE TO BE INSTALLED TO THE LINE AND GRADE AS SHOWN ON THE DRAWINGS. PRIOR TO FINAL ACCEPTANCE, THE ALIGNMENT AND GRADE WILL BE FIELD VERIFIED IN A MANNER ACCEPTABLE TO THE LICENSED PROFESSIONAL ENGINEER SUPERVISING CONSTRUCTION. THE RESULTS OF SAID FIELD INSPECTION SHALL BE CERTIFIED TO THE TOWN AND THE RENSSELAER COUNTY HEALTH DEPARTMENT.
- THESE FACILITIES SHALL NOT BE PLACED IN OPERATION UNTIL A 'PERMIT TO OPERATE' HAS BEEN ISSUED BY THE RENSSELAER COUNTY HEALTH DEPARTMENT.
- ELECTRICAL EQUIPMENT INSTALLED PURSUANT TO THIS PLAN MUST BE CERTIFIED BY THE NEW YORK BOARD OF FIRE UNDERWRITERS. A COPY OF THE CERTIFICATE SHALL BE FURNISHED TO THE ALBANY COUNTY HEALTH DEPARTMENT.
- THE UNDERGROUND FACILITIES PROTECTION ORGANIZATION SHALL BE CONSULTED PRIOR TO ANY EXCAVATION ASSOCIATED WITH APPROVED PORTIONS OF THIS PROJECT.
- NO EXISTING OR APPROVED PROPOSED WATER SUPPLY AND/OR SEWAGE FACILITIES OR OTHER SIGNIFICANT PHYSICAL FEATURES ARE LOCATED WITHIN 200 FEET OF THIS PROJECT'S LIMITS, EXCEPT AS SHOWN.
- GRAVITY SEWERS SHALL BE LAID WITH STRAIGHT ALIGNMENT BETWEEN MANHOLES, UNLESS OTHERWISE SHOWN. SEWER ALIGNMENT SHALL BE VERIFIED BY LAMPING DURING CONSTRUCTION BY THE CONTRACTOR AND PRIOR TO CERTIFICATION BY THE CERTIFYING ENGINEER.
- IN GENERAL, SANITARY SEWER COLLECTOR DEPTHS ARE DESIGNED TO RECEIVE SEWAGE FROM BASEMENTS, VIA GRAVITY FLOW, FROM ALL FIXTURES AND/OR PIPING WHICH DISCHARGE AT OR ABOVE AN ELEVATION APPROXIMATELY 4.5 FEET BELOW PROPOSED GRADE AT THE BUILDING SETBACK.
- ALL SANITARY SEWER MAINS, LATERALS AND FITTINGS SHALL BE PVC, SDR-35 UNLESS OTHERWISE SPECIFIED ON THE PLANS AND SHALL BE SUPPLIED AND INSTALLED TO CONFORM TO THE LATEST ASTM D3034 AND THOSE OF THE TOWN OF BETHLEHEM.

### GENERAL SANITARY NOTES

### INVERT, CHANNEL & BENCHWALL DETAILS

SCALE: NONE

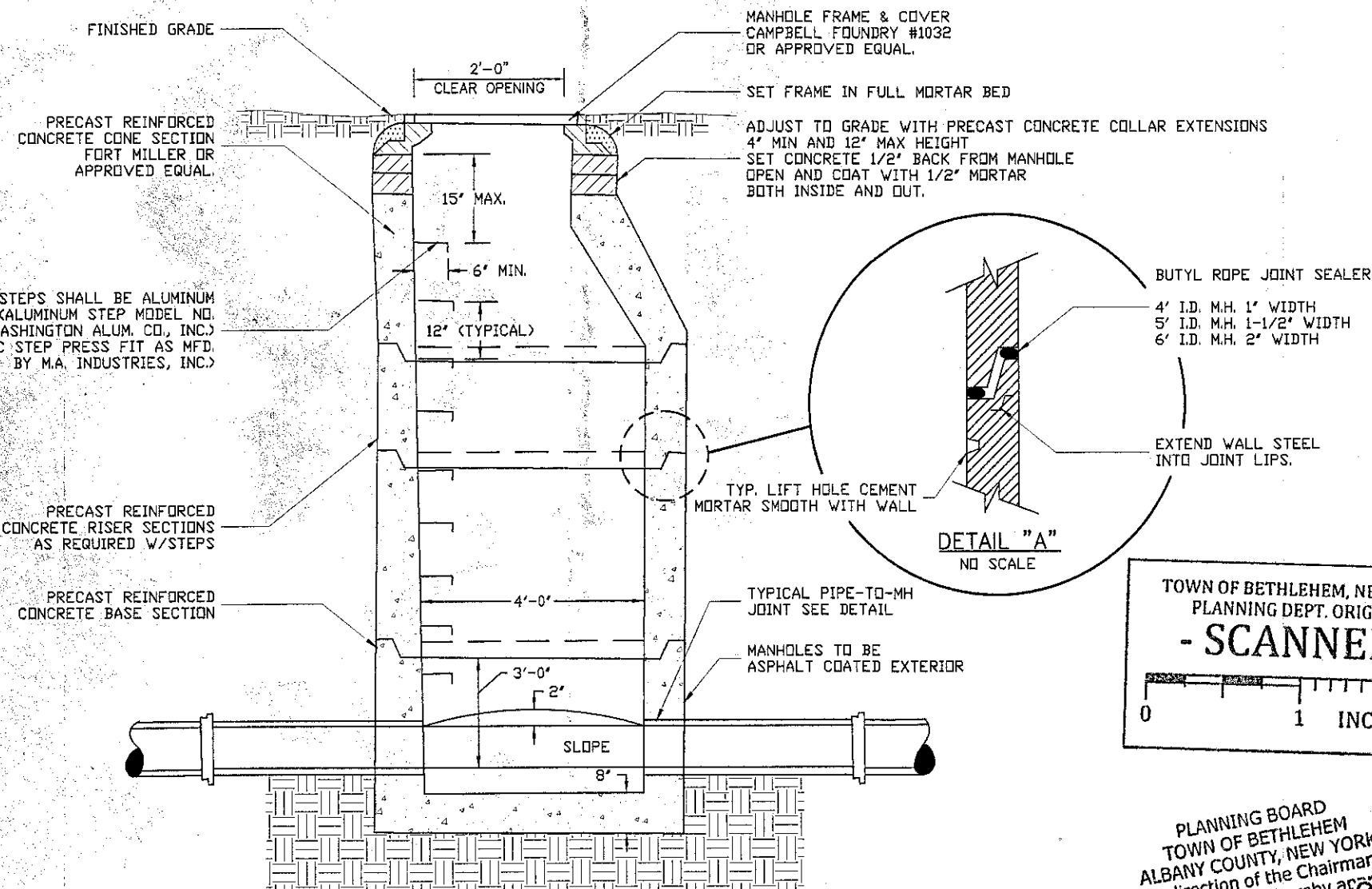


#### GENERAL NOTES:

- PRECAST MANHOLES TO BE DESIGNED FOR:  
A) EARTH COVER LOADING (130 LBS./CU. FT.)  
B) H20 - 44 LOADING  
C) SUITABLE IMPACT ALLOWANCE
- CONCRETE BENCH SHALL BE POURED BEFORE OPENING LINES FOR SERVICE.
- ALL CONNECTIONS TO MANHOLES SHALL BE MADE WITH A SHORT SECTION OF PIPE, NOT TO EXCEED 2'-0" OVERALL LENGTH UNLESS OTHERWISE NOTED.

#### GENERAL NOTES:

- PRECAST MANHOLES TO BE DESIGNED FOR:  
A) EARTH COVER LOADING (130 LBS./CU. FT.)  
B) H20 - 44 LOADING  
C) SUITABLE IMPACT ALLOWANCE
- CONCRETE BENCH SHALL BE POURED BEFORE OPENING LINES FOR SERVICE.
- ALL CONNECTIONS TO MANHOLES SHALL BE MADE WITH A SHORT SECTION OF PIPE, NOT TO EXCEED 2'-0" OVERALL LENGTH UNLESS OTHERWISE NOTED.



PLANNING BOARD  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NEW YORK  
By direction of the Chairman.  
These drawings are hereby approved.  
See sheet(s) 2 of 8  
for date and sign.



### THE VAN DYKE SPINNEY COMMUNITY CENTER

TOWN OF BETHLEHEM, COUNTY OF ALBANY  
STATE OF NEW YORK

**BEA** BREWER ENGINEERING  
ASSOCIATES, P.C.  
CONSULTING ENGINEERS \* PLANNERS  
743 COLUMBIA TURNPIKE, EAST GREENBUSH, NEW YORK 12061  
PHONE: 518.477.5253 FAX: 518.477.5233

### SANITARY DETAILS

TITLE	DATE	CHECKED BY	SCALE	AS SHOWN
DRAWN BY: JDF	04/01/2015	TJB		
REVISION	DATE	BY	REVISION	

DRAWING NUMBER:

7  
8

APN 14-23