

- CONSTRUCTION NOTES:**
- ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 - ALL SANITARY SEWERS AND WATER MAINS TO BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THESE DOCUMENTS FOR USE ON THE JOB.
 - ALL ELEVATIONS SHOWN ARE BASED ON USGS ELEVATION BASE.
 - ALL GRADES TO BE 3:1 (HORIZONTAL:VERTICAL) MAXIMUM SLOPE.
 - PRIOR TO ANY WORK IN THE STATE RIGHT OF WAY, HIGHWAY WORK PERMIT FROM THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION IS REQUIRED.
 - PRIOR TO ANY WORK ON SANITARY SEWER AND WATER, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE TOWN DEPARTMENT OF PUBLIC WORKS.
 - THE CONTRACTOR SHALL CALL UPPO (1-800 962-7962) TWO WORKING DAYS PRIOR TO ANY EXCAVATION TO HAVE UNDERGROUND UTILITIES LOCATED IN THE FIELD.
 - NO SUMP PUMPS, ROOF DRAINS, CELLAR DRAINS, OR FOOTING DRAINS SHALL BE CONNECTED TO THE SANITARY SEWER SYSTEM.
 - SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE Laid AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN TOP OF SEWER AND THE INVERT OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, SDR-26 PVC PIPE SHALL BE USED 10 (TEN) FEET ON EACH SIDE OF THE WATER MAIN BEING CROSSED.
 - CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, WALKS CURBS, FENCES ETC. TO A CONDITION AT LEAST AS GOOD AS THEY WERE BEFORE BEING DISTURBED. MAILBOXES, POSTS, ETC. SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING DISTURBED. DAMAGED ITEMS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - CONTRACTOR SHALL EXCAVATE TEST PITS PRIOR TO INSTALLATION OF UTILITIES IN THE AREAS OF TP-"A", TP-"B", TP-"C", TP-"D".
 - PIPE MATERIAL FOR THE LOW PRESSURE SANITARY FORCE MAIN SHALL BE PVC WATER PIPE SDR21 (200 PSI) CONFORMING TO ASTM D-2241.
 - THERE SHALL BE 18 INCHES MINIMUM VERTICAL SEPARATION BETWEEN THE SANITARY FORCE MAIN AND THE STORM SEWER PIPES.
 - INSTALL LOCATOR TAPE IN FORCE MAIN TRENCH USING #12 AWG SINGLE CONDUCTOR STRANDED COPPER WITH TW600 VOLT INSULATION IN ACCORDANCE WITH TOWN OF BETHLEHEM STANDARD SPECIFICATIONS.
 - ALL INSTALLATION OF PIPE AND APPURTENANCES SHALL BE INSPECTED BY THE TOWN OF BETHLEHEM PRIOR TO BACKFILLING.
 - AFTER BACKFILLING, THE FORCE MAIN IS TO BE WATER TESTED TO 75 PSI FOR ONE HOUR BEFORE BEING PUT INTO SERVICE. THE TEST SHALL BE WITNESSED BY THE TOWN INSPECTION PERSONNEL.
 - GRINDER PUMP UNIT TO HAVE A BACK UP POWER CONNECTION FOR A MOBILE GENERATOR SET. COMPLY WITH APPLICABLE ELECTRICAL CODES.
 - THE GRINDER PUMP TO HAVE A 1-1/4" INCH CURB STOP INSTALLED AT THE NYS DOT R.O.W. LINE WITH A CHECK VALVE OUTSIDE OF THE R.O.W. FIVE FEET FROM THE CURB STOP.
 - ALL EXISTING PAVEMENT AT TOWN PUMP STATION DRIVEWAY TO BE SAW CUT AND REPLACED IN-KIND USING MECHANICAL COMPACTION OF GRANULAR BACKFILL MATERIAL.
 - THE STORM WATER MANAGEMENT SYSTEM ASSOCIATED WITH THIS PROJECT HAS BEEN DESIGNED TO COMPLY WITH NYSDEC GP-02-01 REQUIREMENTS. NYSDEC GP-02-01 REQUIRES THAT AN EROSION AND SEDIMENT CONTROL PLAN AND SWPPP BE PREPARED PRIOR TO COMMENCEMENT OF SITE DISTURBANCE ASSOCIATED WITH THIS CONSTRUCTION PROJECT. THESE DOCUMENTS HAVE SPECIFIC REQUIREMENTS THAT MUST BE FOLLOWED BY THE CONTRACTOR ASSOCIATED WITH THIS PROJECT.
 - COPIES OF THE SWPPP AND O & M MANUAL ASSOCIATED WITH THIS CONSTRUCTION ARE TO BE MAINTAINED BY THE PROPERTY OWNER AND HAVE BEEN FILED WITH THE TOWN OF BETHLEHEM BY THE DEVELOPER. THE OWNER OF THIS PROPERTY IS RESPONSIBLE FOR NYSDEC REQUIRED OPERATION AND MAINTENANCE OF THE PERMANENT STORM WATER STRUCTURAL MEASURES, TO MAINTAIN STORM WATER QUALITY OVER THEIR LIFETIME, AS DESCRIBED IN THE ASSOCIATED O & M MANUAL.

- LEGEND:**
- EXISTING UTILITY POLE
 - EXISTING GAS VALVE
 - EXISTING WATER VALVE
 - EXISTING SANITARY SEWER VALVE
 - EXISTING HYDRANT
 - EXISTING CLEAN OUT
 - EXISTING WATER MAIN
 - EXISTING GAS MAIN
 - EXISTING UNDERGROUND CABLE LINES
 - EXISTING OVERHEAD CABLE LINES
 - EXISTING UNDERGROUND TELEPHONE LINES
 - EXISTING OVERHEAD TELEPHONE LINES
 - EXISTING UNDERGROUND ELECTRIC LINES
 - EXISTING OVERHEAD ELECTRIC LINES
 - EXISTING CATCH BASIN
 - EXISTING DRAINAGE MANHOLE
 - EXISTING STORM SEWER LINE
 - EXISTING SANITARY MANHOLE
 - EXISTING SANITARY SEWER LINE
 - EXISTING SANITARY SEWER FORCE MAIN
 - EXISTING LIGHT POLE
 - PROPOSED HIGH DENSITY POLYETHYLENE STORM SEWER, END SECTION & CATCH BASIN W/GRATE
 - PROPOSED DUCTILE IRON WATER MAIN, HYDRANT, GATE VALVE & TEE
 - PROPOSED BEND WITH ANGLE DESIGNATION
 - PROPOSED STORM SEWER CATCH BASIN WITH GRATE
 - PROPOSED PVC SANITARY SEWER & MANHOLE W/DIRECTION
 - PROPOSED SDR21 FORCE MAIN W/ DIRECTION
 - PROPOSED THRUST BLOCK
 - PROPOSED LIGHT POLE
 - PROPOSED EXPLORATORY TEST PITS

APPLICANT:
FIRST COLUMBIA L.L.C.
 26 Century Hill Drive
 Latham, New York 12113
 Tel: (518) 213-1000
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ALBANY COUNTY DEPARTMENT OF HEALTH

ALBANY COUNTY DEPT. OF HEALTH
 DATE: MAR 15 2006
 These plans for Water System Improvements.
 Examined and Approved
Steph Schuchman, P.E.
 DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH SERVICES

TOWN OF BETHLEHEM PLANNING BOARD APPROVAL

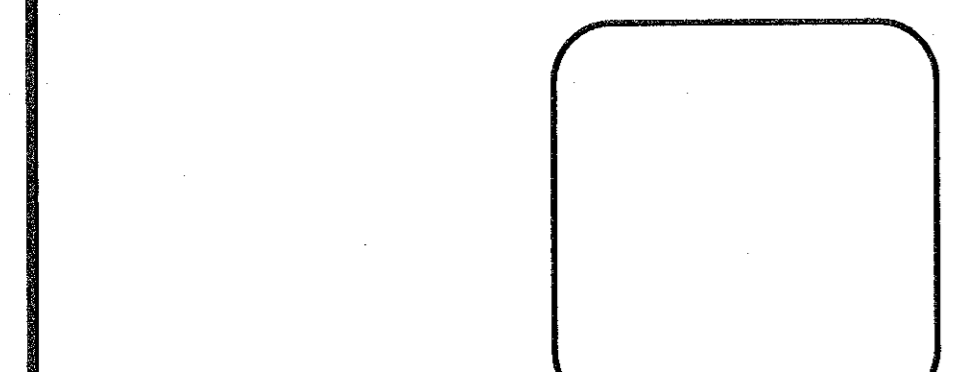
PLANNING BOARD
 TOWN OF BETHLEHEM
 ALBANY COUNTY, NEW YORK

This plat APPROVED subject to such conditions as are stated in Building Project Approval (B/P/A)

No. 34 dated 11-20-04
Donna D. Mathias
 CHAIRMAN

Title _____
 Date: MAR 30 2006

15	11/12/04	REVISIONS PER TOWN COMMENTS DATED 11/4/04
14	10/12/04	REVISIONS PER TOWN COMMENTS DATED 10/8/04
13	9/7/04	REVISIONS PER TOWN COMMENTS DATED 8/12/04
12		
11	8/7/04	REVISIONS WITH NEW BUILDING FOOT PRINT
10	10/15/03	REVISIONS PER TOWN COMMENTS DATED 9-22-03
9	8/20/03	REVISIONS PER TOWN COMMENTS DATED 7-28-03
8	6/28/03	REVISIONS PER TOWN COMMENTS DATED 5-14-03
7	2/03/03	REVISIONS PER TOWN COMMENTS DATED 1-27-03 & 1-29-03
6	12/20/02	REVISIONS PER TOWN COMMENTS DATED 9-10-02
5	6/26/02	PRE CONSTRUCTION REVISIONS
4	1/25/02	REVISIONS PER TOWN COMMENTS DATED 1-16-02
3	1/04/02	REVISIONS PER TOWN COMMENTS DATED 12-14-01 & 12-21-01
2	11/10/01	REVISIONS PER TOWN COMMENTS DATED 9-12-01
1	8/01/01	REVISIONS PER TOWN COMMENTS DATED 7-19-01
rev.	date	description



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THE Chazen COMPANIES
 Engineers/Surveyors
 Planners
 Environmental Scientists

CHAZEN ENGINEERING & LAND SURVEYING CO., P.C.

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 Capital District Office: 200 Cortland Avenue, Troy, New York 12182, Phone: (518) 235-8050
 Orange County Office: 110 Glen Street, Newburgh, New York 12550, Phone: (845) 567-1133
 North Country Office: 110 Glen Street, Glens Falls, New York 12031, Phone: (518) 812-0513

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PROPOSED AMENDMENT TO PLANNED COMMERCIAL DISTRICT NO. 6
NEW SCOTLAND ROAD COMMERCIAL BUSINESS PARK
 UTILITY PLAN

TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

drawn: JMB
 checked: JML
 date: 7/8/04
 scale: AS NOTED
 project no.: 30124.00
 sheet no.: SP3