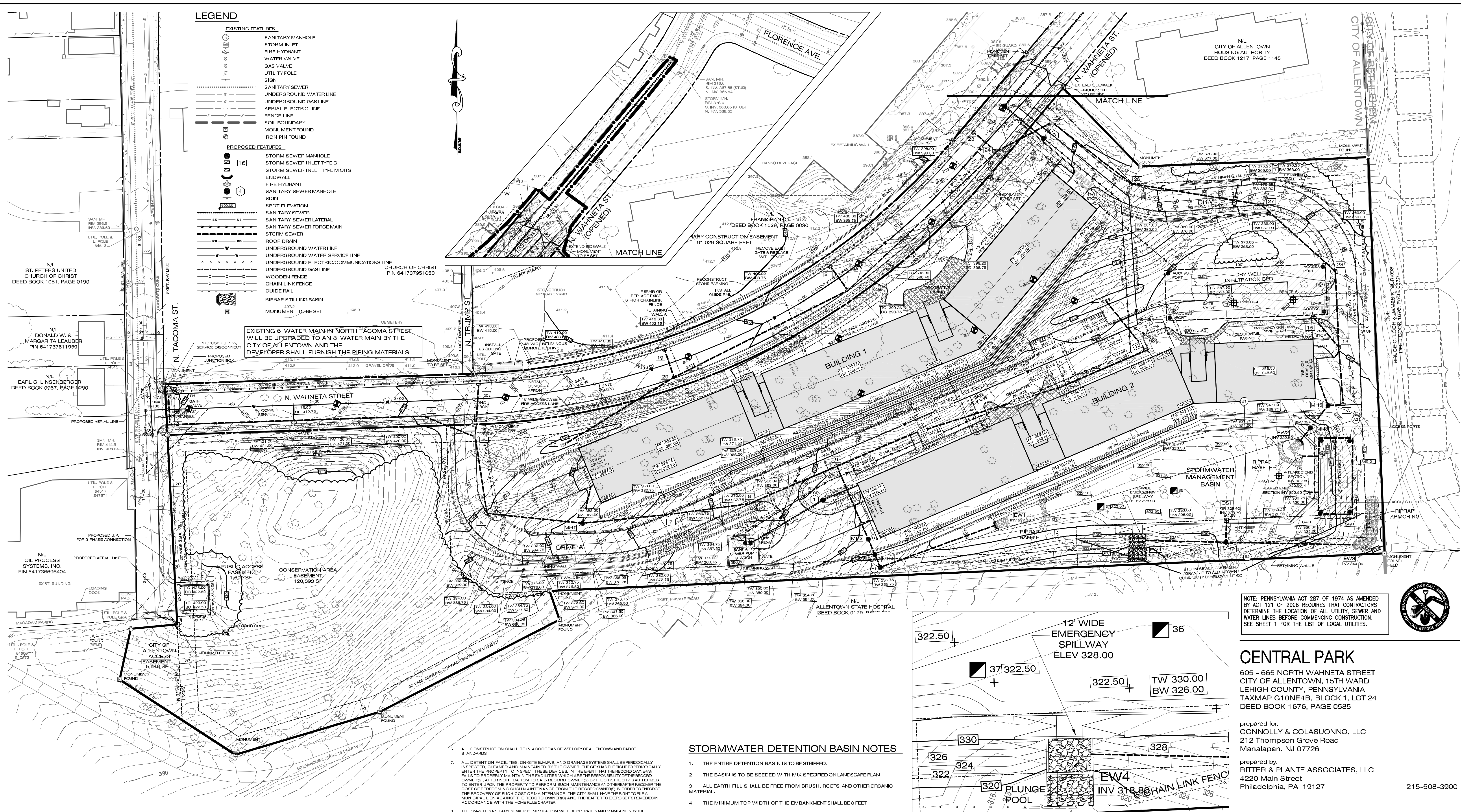


**LEGEND**

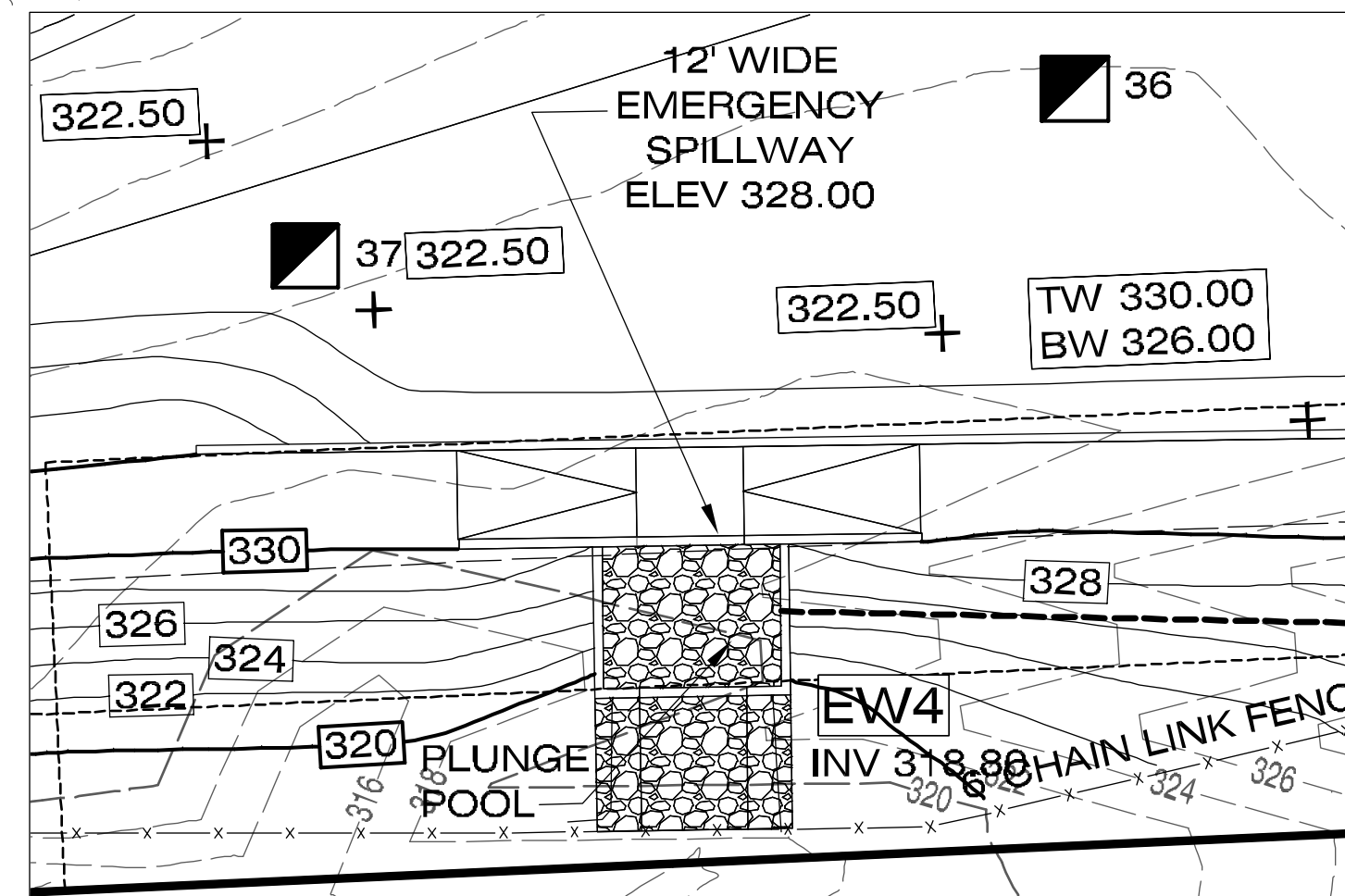
- EXISTING FEATURES**
- SANITARY MANHOLE
  - STORM INLET
  - FIRE HYDRANT
  - WATER VALVE
  - GAS VALVE
  - UTILITY POLE
  - SIGN
  - SANITARY SEWER
  - UNDERGROUND WATER LINE
  - UNDERGROUND GAS LINE
  - AERIAL ELECTRIC LINE
  - FENCE LINE
  - SOIL BOUNDARY
  - MONUMENT FOUND
  - IRON PIN FOUND
- PROPOSED FEATURES**
- STORM SEWER MANHOLE
  - STORM SEWER INLET TYPE C
  - STORM SEWER INLET TYPE M OR S
  - ENDWALL
  - FIRE HYDRANT
  - SANITARY SEWER MANHOLE
  - SIGN
  - SPOT ELEVATION
  - SANITARY SEWER
  - SANITARY SEWER LATERAL
  - SANITARY SEWER FORCE MAIN
  - STORM SEWER
  - ROOF DRAIN
  - UNDERGROUND WATER LINE
  - UNDERGROUND WATER SERVICE LINE
  - UNDERGROUND ELECTRIC/COMMUNICATIONS LINE
  - UNDERGROUND GAS LINE
  - WOODEN FENCE
  - CHAIN LINK FENCE
  - GUIDE RAIL
  - RIPRAP STILLING BASIN
  - MONUMENT TO BE SET

EXISTING 6" WATER MAIN IN NORTH TACOMA STREET WILL BE UPGRADED TO AN 8" WATER MAIN BY THE CITY OF ALLENTOWN AND THE DEVELOPER SHALL FURNISH THE PIPING MATERIALS.



**STORMWATER DETENTION BASIN NOTES**

1. THE ENTIRE DETENTION BASIN IS TO BE STRIPPED.
2. THE BASIN IS TO BE SEEDED WITH MIX SPECIFIED ON LANDSCAPE PLAN
3. ALL EARTH FILL SHALL BE FREE FROM BRUSH, ROOTS, AND OTHER ORGANIC MATERIAL.
4. THE MINIMUM TOP WIDTH OF THE EMBANKMENT SHALL BE 8 FEET.
5. THE BOTTOM OF THE BASIN IS TO BE SLOPED TOWARDS THE OUTLET STRUCTURE.
6. RIP RAP IS TO BE INSTALLED BELOW ALL INFLOW AND OUTFLOW PIPES TO MINIMIZE EROSION.
7. THERE IS TO BE REINFORCEMENT STEEL IN ALL CONCRETE STRUCTURES.
8. A CONCRETE CRADLE IS TO BE PROVIDED FOR THE OUTLET PIPE.
9. ALL CONSTRUCTION JOINTS ARE TO BE WATER TIGHT.
10. AN IMPERVIOUS CENTRAL CORE IS TO BE CONSTRUCTED IN THE EMBANKMENT TO BE MADE OF A COMPACTED CLAY MATERIAL.
11. THE CUTOFF TRENCH IN THE EMBANKMENT IS TO BE EXCAVATED TO IMPERVIOUS SUBSOIL OR BEDROCK.
12. THE CONTRACTOR SHALL MAINTAIN THE DETENTION BASIN TO DESIGN DIMENSIONS THROUGHOUT CONSTRUCTION. UNLESS FOUND IS TO BE USED AS A SILTATION BASIN DURING DEVELOPMENT OF THE SITE, IF THE POND IS TO BE USED AS A SILTATION BASIN, IT SHALL BE RETURNED TO DESIGN DIMENSIONS FOLLOWING COMPLETION OF CONSTRUCTION.
13. MAINTENANCE OF THE DETENTION BASIN BY OWNER SHALL BE MADE PART OF THE LAND DEVELOPMENT AGREEMENT BETWEEN THE DEVELOPER AND THE CITY.



**ENLARGEMENT OF PLUNGE POOL AREA** Scale: 1" = 20'

REVISIONS				
01	01-10-2007	CITY ENGINEERS REVIEW 7-16-07	07 04-28-2008	LCCD REVIEW 2-22-08
02	03-26-2007	CITY & LUPC REVIEWS 9-10-07 & 9-19-07	08 03-22-2009	CITY REVIEW 03-02-08
03	10-31-2007	DRIVEWAY & EASEMENT LOCATION	08 08-07-08	LCCD & CITY REVIEW 7-15-08
04	11-27-2007	CITY REVIEW 11-29-07	10 02-23-2009	LCCD REVIEW 11-26-08
05	12-18-2007	CITY LCCD REVIEW 12-16-07	11 12-28-2009	REVISION TO SUPERVISOR
06	03-23-2008	LCCD REVIEW 11-15-08		

**PROPOSED RETAINING WALL HEIGHTS**

RETAINING WALL	HEIGHT	RETAINING WALL	HEIGHT
RETAINING WALL A	8' MAX	RETAINING WALL D-1	8' MAX
RETAINING WALL B-1	8' MAX	RETAINING WALL D-2	8' MAX
RETAINING WALL B-2	8' MAX	RETAINING WALL E	2' MAX
RETAINING WALL B-3	8' MAX	RETAINING WALL F-1	8' MAX
RETAINING WALL C-1	7.3' MAX	RETAINING WALL F-2	7' MAX
RETAINING WALL C-2	8' MAX	RETAINING WALL G	8' MAX
RETAINING WALL C-3	8' MAX	RETAINING WALL H	4' MAX
RETAINING WALL C-4	4' MAX	RETAINING WALL I	8' MAX
		RETAINING WALL J	2' MAX
		RETAINING WALL K	8' MAX
		RETAINING WALL L	8' MAX

**NOTES**

1. BOUNDARY AND TOPOGRAPHIC INFORMATION WAS TAKEN FROM THE FOLLOWING SOURCES:
  - A. MAJOR SUBDIVISION PLAN, CENTRAL PARK, NORTH WAHNETA ST. & NORTH TACOMA ST., 15TH WARD, CITY OF ALLENTOWN, LEHIGH COUNTY, PA, PREPARED BY MARTIN BRADY & GRIFFITH, INC., ALLENTOWN PA, DATED MAY 18, 2006.
  - B. FINAL LAND SUBDIVISION PLAN OF ALLENTOWN STATE HOSPITAL, 15TH WARD, CITY OF ALLENTOWN AND CITY OF BETHLEHEM, LEHIGH COUNTY, PA, AS PREPARED BY CITY OF ALLENTOWN BUREAU OF ENGINEERING, DEPARTMENT OF PUBLIC WORKS DATED JULY 30, 2007.
  - C. FINAL SUBDIVISION PLAN CENTRAL PARK, ALLENTOWN AND BETHLEHEM, LEHIGH COUNTY, PA, AS PREPARED BY RUSSELL H. BENJAMIN, P.E. & P.L.S. DATED AUGUST 25, 1995.
  - D. MAP OF PROPERTY OF HOMEOPATHIC STATE HOSPITAL FOR THE INSANE NEAR ALLENTOWN, PA, PREPARED BY BACON & BEILER, CIVIL ENGINEERS DATED JANUARY, 1912.
  - E. CITY BLOCK PLAN 1-5-103
  - F. DECISION OF RECORD - CORRECTION DEED DATED OCT. 20, 2008 DOCUMENT ID 1035993, PAGES 1-6.
  - G. "BOUNDARY AND TOPOGRAPHIC SURVEY PLAN" AS PREPARED BY STEPHEN A. HIGGINS P.L.S. DATED JULY 16, 2009.
2. LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY, AND TAKEN FROM THE PLAN REFERENCED ABOVE AS WELL AS CITY OF ALLENTOWN UTILITY PLANS. CONTRACTORS MUST IDENTIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
3. ADDITIONAL TOPOGRAPHIC SURVEY DATA OBTAINED BY FIELD SURVEY PERFORMED BY RITTER & PLANTE ASSOCIATES, LLC, DURING JULY 2009 AND OCTOBER 2007.
4. THE VERTICAL DATUM IS NAD 83 1985.
5. THE SOLS INFORMATION WAS TAKEN FROM THE LEHIGH COUNTY SOLS SURVEY PREPARED BY U.S.D.A. DATED NOVEMBER, 1993.

NOTE: PENNSYLVANIA ACT 287 OF 1974 AS AMENDED BY ACT 121 OF 2008 REQUIRES THAT CONTRACTORS DETERMINE THE LOCATION OF ALL UTILITY, SEWER AND WATER LINES BEFORE COMMENCING CONSTRUCTION. SEE SHEET 1 FOR THE LIST OF LOCAL UTILITIES.



**CENTRAL PARK**

605 - 665 NORTH WAHNETA STREET  
CITY OF ALLENTOWN, 15TH WARD  
LEHIGH COUNTY, PENNSYLVANIA  
TAXMAP G10NE4B, BLOCK 1, LOT 24  
DEED BOOK 1676, PAGE 0585

prepared for:  
CONNOLLY & COLASUONNO, LLC  
212 Thompson Grove Road  
Manalapan, NJ 07726

prepared by:  
RITTER & PLANTE ASSOCIATES, LLC  
4220 Main Street  
Philadelphia, PA 19127

215-508-3900

DAVID J. PLANTE, Professional Engineer PA. No. PE-043820-E

PRELIMINARY / FINAL LAND DEVELOPMENT PLAN

Date: June 6, 2007 Scale: 1" = 50'

