

## LEGEND

EXISTING		PROPOSED
	FENCE	
	STORM SEWER	
	SANITARY SEWER	
	FORCE MAIN	
	WATER LINE	
	GAS LINE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND TELEPHONE	
	OVERHEAD TELEPHONE	
	OVERHEAD ELECTRIC	
	5' OR 10' CONTOUR LINE	
	1' OR 2' CONTOUR LINE	
	SPOT ELEVATION	
	DITCH OR SWALE	
	STREAM OR RIVER	
	LAKE OR POND	
	PRIMARY PROPERTY OR R.O.W.	
	PROPERTY LINE	
	EASEMENT	
	CATCH BASIN (CB)	
	DRAIN INLET (DI)	
	MANHOLE (MH)	
	HYDRANT (HYD)	
	WATER VALVE (WV)	
	UTILITY POLE	
	LIGHT POLE, LAMP POST (LP)	
	SIGN	
	TELEPHONE PEDESTAL (TEL PED)	
	IRON ROD, PIN, OR PIPE (PIN)	
	CONCRETE MONUMENT (MON)	
	RIGHT-OF-WAY MONUMENT (ROW)	
	DIVERSION BOX (DIV BOX)	
	CURB	
	ASPHALT PAVEMENT EDGE	
	TEST PIT	
	SOIL BORING	
	BUILDING	
	TREES, SHRUBS, BUSHES	
	MATCH LINE	
	DETAIL IDENTIFICATION	
	SHEET NO. WHERE DETAIL IS SHOWN	
	NOT IN CONTRACT	

## GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS, AND COORDINATE ALL WORK AS REQUIRED.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED, WRITTEN APPROVAL OF THE ENGINEER.
- THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ENGINEER. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC., EXCEPT FOR HEALTH DEPARTMENT PERMIT-CHA WILL PROVIDE.
- ALL WORK SHALL BE DONE IN STRICT COMPLIANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES, STANDARDS, ORDINANCES, RULES, REGULATIONS, AND PERMITS.
- THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
- THE ENGINEER RESERVES THE RIGHT TO EXAMINE ANY WORK DONE ON THIS PROJECT AT ANY TIME TO DETERMINE THE CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS OF THIS PROJECT, AS INTENDED AND INTERPRETED BY THE ENGINEER.
- MISCELLANEOUS WORK NOT SPECIFICALLY SHOWN ON THE CONTRACT DRAWINGS SUCH AS PATCHING, BLOCKING, TRIMMING, ETC.
- THE CONTRACTOR SHALL:
  - VERIFY ALL CONDITIONS IN THE FIELD PRIOR TO COMMENCEMENT OF WORK AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
  - EXAMINE THE SITE AND INCLUDE IN HIS WORK THE EFFECT OF ALL EXISTING CONDITIONS ON THE WORK.
  - PROVIDE AND INSTALL ALL MATERIALS AND PERFORM ALL WORK IN ACCORDANCE WITH RECOGNIZED GOOD STANDARD PRACTICE.
- ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEET PILING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE PROFESSIONAL ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL, RESIDENTIAL, AND PUBLIC PROPERTIES WHENEVER POSSIBLE OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING UTILITIES. DAMAGED UTILITIES SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO EXISTING TREES THAT ARE TO REMAIN. ANY TREES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY ARE TO BE REPLACED BY THE CONTRACTOR, IN KIND, AT HIS EXPENSE.
- ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE ENGINEER AND THE UTILITY OWNER. NOTIFY THE OWNER AND ENGINEER AT LEAST 72 HOURS PRIOR TO EACH AND EVERY CONNECTION THAT IS MADE.
- CONSTRUCTION OF ALL PROPOSED UTILITIES MUST BEGIN AT ITS POINT OF CONNECTION TO THE EXISTING UTILITY, OR AT THE LOWEST POINT IN THE SYSTEM. RIMS, GRATES, INVERTS, CLEARANCES AND LOCATIONS AT CROSSINGS MUST BE VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

## GENERAL SITE REMOVAL NOTES

- ALL ORGANIC CONSTRUCTION DEBRIS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER, AT THE CONTRACTOR'S EXPENSE.
- ONLY SOIL, CONCRETE AND SOD MATERIAL, THAT HAS BEEN APPROVED BY THE ENGINEER, MAY BE PLACED IN THE TOWN OF BETHLEHEM DESIGNATED SPOIL AREA, LOCATED APPROX. 500' FROM MAINTENANCE BUILDING.
- THE CONTRACTOR SHALL EXERCISE CARE DURING REMOVAL OPERATIONS. ANY ITEMS INDICATED TO REMAIN THAT ARE DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPAIRED OR REPLACED IN KIND, BY THE CONTRACTOR, AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL SALVAGE ALL DIVING TOWERS, DIVING BOARDS, AND LIFE GUARD CHAIRS, ETC., AND STORE AT THE TOWN OF BETHLEHEM DESIGNATED AREA, LOCATED AT THE MAINTENANCE BUILDING PARKING AREA, ON-SITE FOR FUTURE INSTALLATION.

## GENERAL SITE LAYOUT NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL MAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES, AND INVERTS. AS-BUILT PLANS SHOWING ALL UNDERGROUND UTILITIES INSTALLED OR ENCOUNTERED SHALL BE REVIEWED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE ANY CORRECTIONS OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.
- THE CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS BETWEEN NEW WORK AND EXISTING CONDITIONS.
- ALL ANGLES ARE 90°, UNLESS OTHERWISE INDICATED.

## GENERAL SITE GRADING NOTES

- PROPOSED GRADES SHALL BLEND SMOOTHLY WITH EXISTING ELEVATIONS.
- THE CONTRACTOR SHALL STAKE OUT ALL GRADES IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES. THE ENGINEER SHALL APPROVE STAKED GRADES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK. THE CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS THROUGHOUT THE PERIOD OF CONSTRUCTION.
- ALL AREAS INDICATED TO RECEIVE SEED, SHALL BE DISCED AND HARROWED TO A DEPTH OF 6", AND FORMED TO PROVIDE SMOOTH TRANSITIONS WITH PROPOSED IMPROVEMENTS, PRIOR TO PLACEMENT OF SEED.

## GENERAL EROSION CONTROL NOTES

- SILTATION DEVICES SHALL BE INSTALLED PRIOR TO CLEARING AND GRUBBING.
- SLOPES SHALL BE GRADED AT A MAXIMUM OF 3:1 WITHIN ALL CUT OR FILL AREAS.
- TEMPORARY SEED SHALL BE A COMMERCIALLY AVAILABLE MIXTURE OF PERENNIAL RYE AND UTILITY GRADE FESCUE. PERCENTAGE OF PERENNIAL RYE SHALL NOT EXCEED 50%. APPLICATION RATE SHALL BE 2.5 LBS PER 1,000 SF.
- SEEDED AREAS SHALL BE FULLY COVERED WITH A LEAN STRAW OR MULCH MATERIAL. IF ORDERED BY THE ENGINEER OR OWNER, A BIODEGRADABLE NETTING SHALL BE ANCHORED OVER SEEDED AREAS WHICH DEMONSTRATE "RILLING" OR OTHER EROSION PROCESSES.
- SILTATION FENCE BARRIERS SHALL BE PLACED WITHIN ALL AREAS OF EXPOSED SLOPES TO CONTROL SOIL EROSION DURING AND AFTER CONSTRUCTION.
- BARRIERS SHALL REMAIN IN PLACE UNTIL NEW SEEDING HAS SUFFICIENTLY GROWN TO STABILIZE COMPLETED EXTRA WORK.
- MAINTENANCE PROGRAM: ALL EROSION CONTROL MEASURES ARE TO BE INSPECTED DAILY FOR PROPER FUNCTIONING. ANY DAMAGED OR NON-FUNCTIONING DEVICES SHALL BE REPLACED IMMEDIATELY. NO EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED WITHOUT APPROVAL OF THE OWNER.
- CONTRACTOR TO FOLLOW EROSION CONTROL PROCEDURES DURING CONSTRUCTION AS OUTLINED IN THE NEW YORK STATE GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL.
- STORM INLET PROTECTION BARRIERS SHALL BE PLACED AROUND EACH CATCH BASIN OR DRY WELL GRATE TO PREVENT SILTATION.
- IMMEDIATELY UPON COMPLETION OF GRADING, INSTALLATION OF END SECTIONS, SILT DIKES, SEDIMENT BARRIERS SHALL BE INSTALLED AS DETAILED. CONTRACTOR SHALL PERFORM INSTALLATION IN ANY AREA COMPLETED REGARDLESS OF STATE OF COMPLETION WITHIN BALANCE OF SITE.

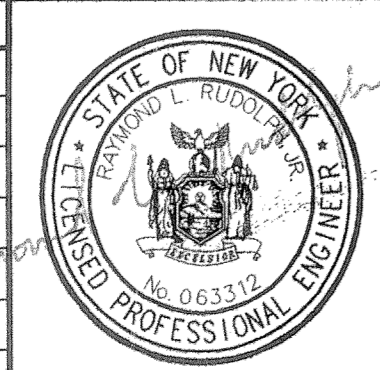
## GENERAL LANDSCAPE PLANTING NOTES

- THE CONTRACTOR SHALL VERIFY FINAL LOCATION OF PLANT MATERIALS WITH THE ENGINEER PRIOR TO INSTALLATION.
- ALL AREAS OF THE SITE WHICH ARE DISTURBED AND NOT PLANTED, MULCHED, PAVED, ETC. SHALL BE TOPSOILED AND SEEDED. APPROVED TOPSOIL TO BE INSTALLED TO A MINIMUM 4" DEPTH.

### SURVEY NOTES:

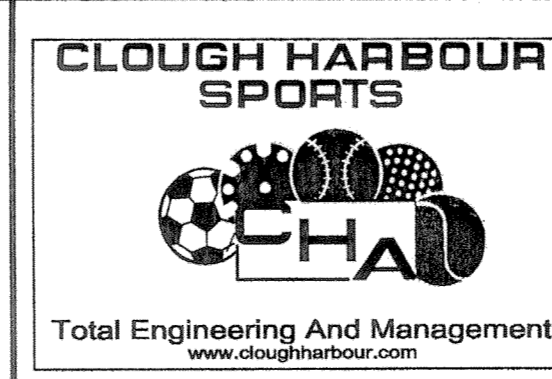
- BASE MAP PREPARED BY CLOUGH, HARBOUR & ASSOCIATES LLP FROM A MAY 2003 FIELD SURVEY.
- NORTH ORIENTATION IS BASED ON A MAGNETIC NORTH READING TAKEN ON 05/07/03.
- ELEVATIONS AND CONTOURS SHOWN REFERENCE AN ASSUMED DATUM.
- SUBJECT TO ANY STATE OF FACT AN UP-TO-DATE ABSTRACT OF TITLE WOULD DISCLOSE.
- SUBJECT TO ALL RIGHTS, EASEMENTS, COVENANTS OR RESTRICTIONS OF RECORD.
- UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES HAVE BEEN SHOWN FROM SURFACE LOCATIONS AND MEASUREMENTS OBTAINED FROM A FIELD SURVEY. THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UTILITIES WHICH THE EXISTENCE OF ARE NOT KNOWN. SIZE, TYPE AND LOCATION OF ALL UTILITIES AND STRUCTURES MUST BE VERIFIED BY PROPER AUTHORITIES PRIOR TO ANY AND ALL CONSTRUCTION. CALL DIG SAFE PRIOR TO ANY EXCAVATION.
- A BOUNDARY SURVEY WAS NOT PERFORMED BY CLOUGH, HARBOUR & ASSOCIATES LLP IN CONJUNCTION WITH THE PREPARATION OF THIS SITE.

Revision:	Drawn By:	App'd. By:	Date:



Designed By:	Date:
DJDUO	7/7/03
Drawn By:	Date:
DMWO	7/7/03
Checked By:	Date:
RLBJS	7/7/03
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW	

**TOWN OF BETHLEHEM**  
 PARKS & RECREATION DEPARTMENT  
 261 ELM AVENUE  
 DELMAR, NEW YORK 12054  
 (518) 439-4131



**CHA**  
**CLOUGH, HARBOUR & ASSOCIATES LLP**  
 ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS  
 III WINNERS CIRCLE - ALBANY, NEW YORK - 12205  
 P.O. BOX 5269 518-453-4500  
 www.cloughharbour.com  
 CHA Project No. 12372.1000.1103

**ELM AVENUE PARK POOL COMPLEX FACILITY UPGRADE**

LEGEND

SCALE: AS SHOWN DATE: JULY 2, 2003

Drawing No. **L-1**

SHEET 2 OF 13