

# FORMER HYATT CLARK FACILITY HYATT HILLS GOLF COMPLEX RECORD DRAWINGS

TOWNSHIP OF CLARK  
TOWNSHIP OF CRANFORD  
NEW JERSEY

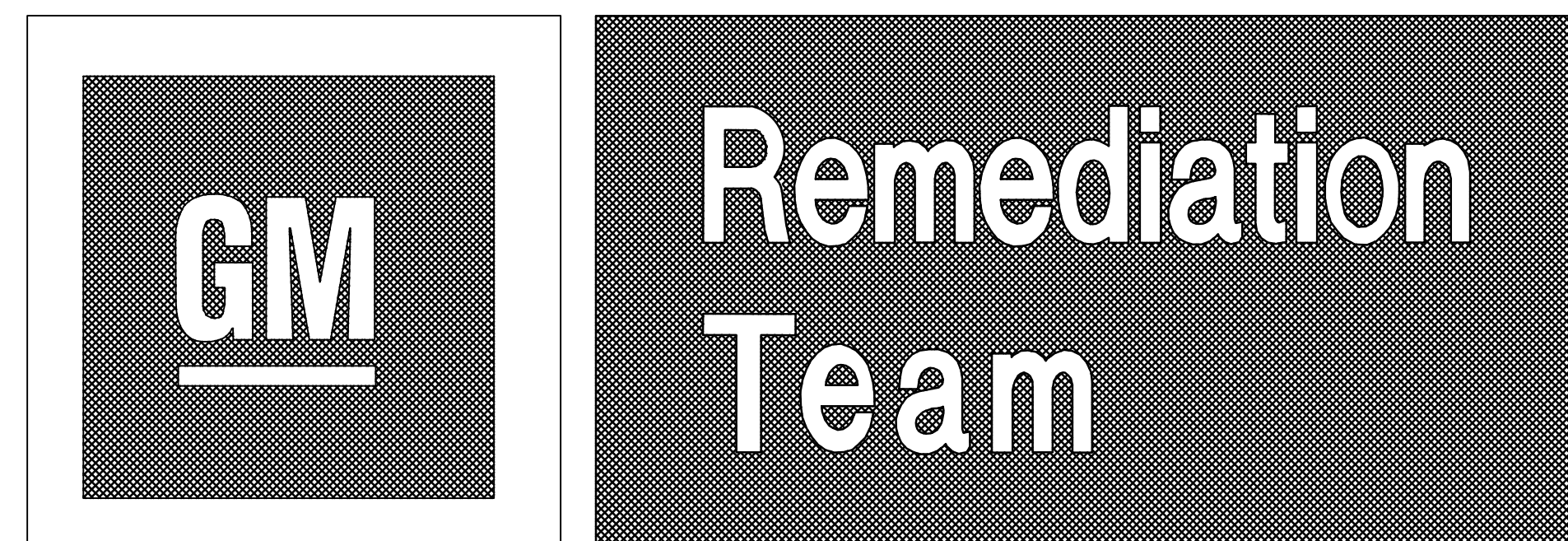


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C1	SITE PLAN
C2	UTILITY DECOMMISSIONING PLAN
C3	COMPOSITE UTILITY PLAN
C4	SITE DRAINAGE PLAN
C5	IRRIGATION PLAN

Prepared For:  
GENERAL MOTORS CORPORATION  
REMEDICATION TEAM  
485 WEST MILWAUKEE AVENUE  
DETROIT, MICHIGAN 48202

Prepared by:  
**URS Corporation**  
JANUARY 2003

RECORD DRAWING

NO.	DATE	ISSUED FOR	APPROVAL
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NO.	DATE	BY	APPROVAL	APPROVAL

REVISIONS	
CONTRACT SIGNATURES	CERTIFIED BY
FOR THE OWNER	DATE
FOR THE CONTRACTOR	DATE

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Group Consultants



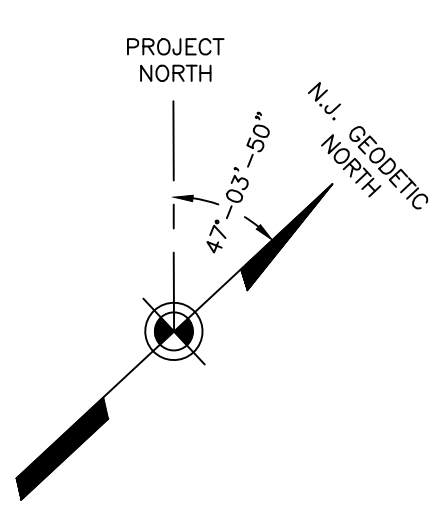
FORMER HYATT CLARK FACILITY  
HYATT HILLS GOLF COMPLEX  
RECORD DRAWINGS

PROJECT TITLE

SITE PLAN

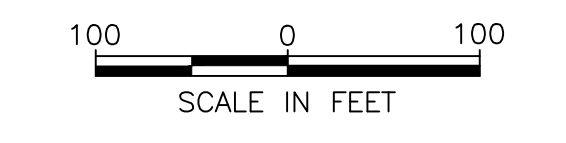
SHEET TITLE

OWNER'S IDENTIFICATION	PROJECT NUMBER
DATE: JANUARY 2003	C-1
DRAWN BY: B.J.G.	
CHECKED BY: T.A.O.	
DESIGN BY: K.C.B.	
PROJ. MAN.: T.A.F.	



- LEGEND**
- O PULL BOX
  - DISTRIBUTION BOX
  - MONITORING WELL LOCATION
  - ◡ POND LIGHTING

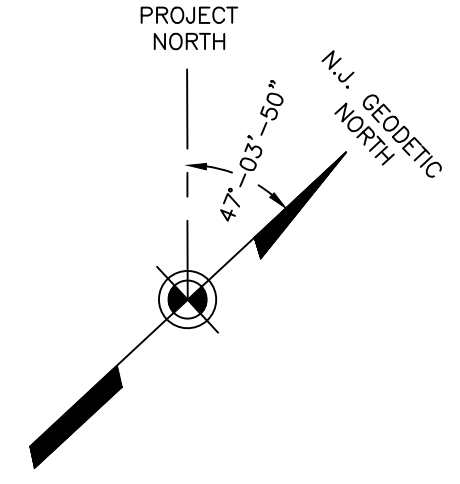
**RECORD DRAWING**



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FRESHWATER WETLANDS/WATERS LINE AS VERIFIED BY INDEP. AND TRANSITION AREA BOUNDARY APPROVED. FILE NO. 2002-96-0003.4 (TYP.)

E 2097750  
N 5068500

E 2099800  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

E 2098750  
N 5068500

TOWNSHIP OF GRANFORD  
TOWNSHIP OF CLARK

E 2099800  
N 5067500

E 2100500  
N 5068500

E 2100500  
N 5068500

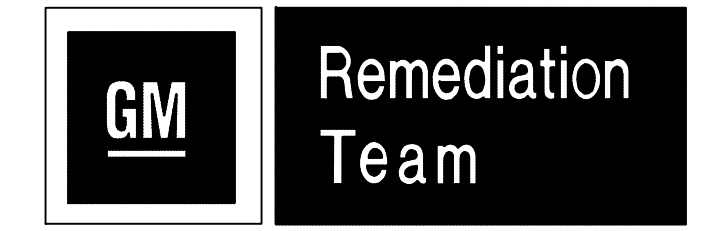
E 2100500  
N 5068500

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NO.	DATE	BY	APPROVAL	T.A.O.	T.A.F.

REVISIONS					
CONTRACT SIGNATURES			CERTIFIED BY		
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FOR THE CONTRACTOR			DATE		

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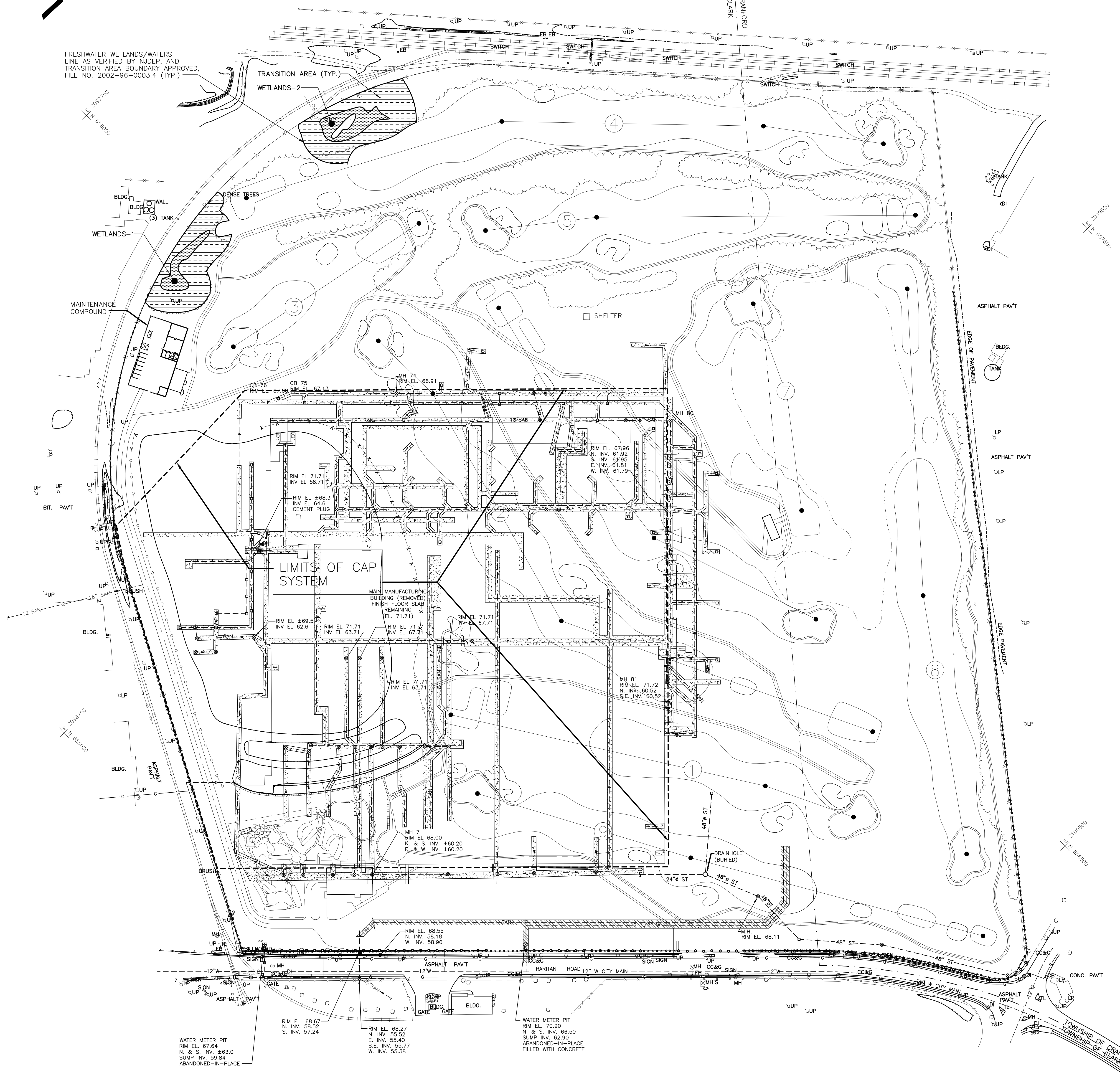
**FORMER HYATT CLARK FACILITY HYATT HILLS GOLF COMPLEX RECORD DRAWINGS**

PROJECT TITLE

**UTILITY DECOMMISSION PLAN**

SHEET TITLE

OWNER'S IDENTIFICATION	PROJECT NUMBER
DATE JANUARY 2003	C-2
DRAWN BY B.J.G.	
CHECKED BY T.A.O.	
DESIGN BY P.B.	
PROJ. MAN. R.E.M.	SHEET NUMBER



**LEGEND:**  
(THIS SHEET ONLY)

UTILITIES ABANDONED-IN-PLACE

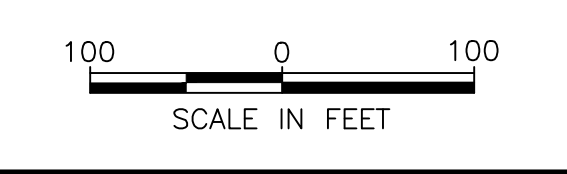
UTILITIES ABANDONED-IN-PLACE AND FILLED/PLUGGED WITH FLOWABLE FILL CONCRETE

LIMITS OF CAP SYSTEM

**NOTE:**

- THE CONTRACTOR INSTALLED 12-INCH-THICK BULKHEADS/PLUGS IN ALL UTILITY LINES (INCLUDING, BUT NOT LIMITED TO SANITARY SEWERS, STORM SEWERS, FIRE LINES, WATER LINES, GAS LINES, ELECTRICAL LINES, AND OIL LINES) ABANDONED IN-PLACE, AND IN REMAINING PORTIONS OF LINES REMOVED WITH A FLOWABLE FILL. THE ASSOCIATED PIPE BEDDING ALSO WAS PLUGGED WITH A 2-FOOT-THICK FLOWABLE FILL WHICH EXTENDS TO A MINIMUM OF 2 FEET BEYOND THE PIPE BEDDING IN ALL DIRECTIONS (ABOVE, BELOW, AND ON BOTH SIDES OF THE PIPE BEDDING).
- THE CONTRACTOR BACKFILLED ALL ABANDONED IN-PLACE UTILITY STRUCTURES (INCLUDING, BUT NOT LIMITED TO SANITARY SEWER MANHOLES, STORM SEWERS MANHOLES, ELECTRICAL MANHOLES, AND WATERLINE CHAMBERS) WITH A FLOWABLE FILL TO A MINIMUM OF 2 FEET ABOVE THE HIGHEST PIPE PENETRATION. THE REMAINING PORTION OF THE UTILITY STRUCTURE WAS BACKFILLED WITH COMPACTED GENERAL FILL. THE LINE TRENCHES ASSOCIATED WITH THESE UTILITY STRUCTURES ALSO WERE PLUGGED WITH A 2-FOOT-THICK FLOWABLE FILL WHICH EXTENDS TO A MINIMUM OF 2 FEET BEYOND THE PIPE BEDDING IN ALL DIRECTIONS (ABOVE, BELOW AND ON BOTH SIDES OF THE PIPE BEDDING).

**RECORD DRAWING**





**GENERAL NOTES:**

1. UTILITY LINE LAYOUTS (DUCT BANKS, WATER LINES, GAS LINES, FIRE LINES, SANITARY SEWER, SANITARY FORCEMAIN, ETC.) SHOWN ON THIS SHEET ARE SCHEMATIC ONLY.
2. FOR CLARITY, GRADING CONTOURS, LANDSCAPED TREES, AND GENERAL SITE DRAINAGE ARE NOT SHOWN.
3. FOR CLARITY, DRAINAGE AND SANITARY STRUCTURES' RIM AND INVERT ELEVATIONS ARE NOT SHOWN.
4. THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ALONG RARITAN ROAD ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN.

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FOR THE CONTRACTOR			

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FORMER  
HYATT CLARK FACILITY  
HYATT HILLS GOLF COMPLEX  
RECORD DRAWINGS

PROJECT TITLE

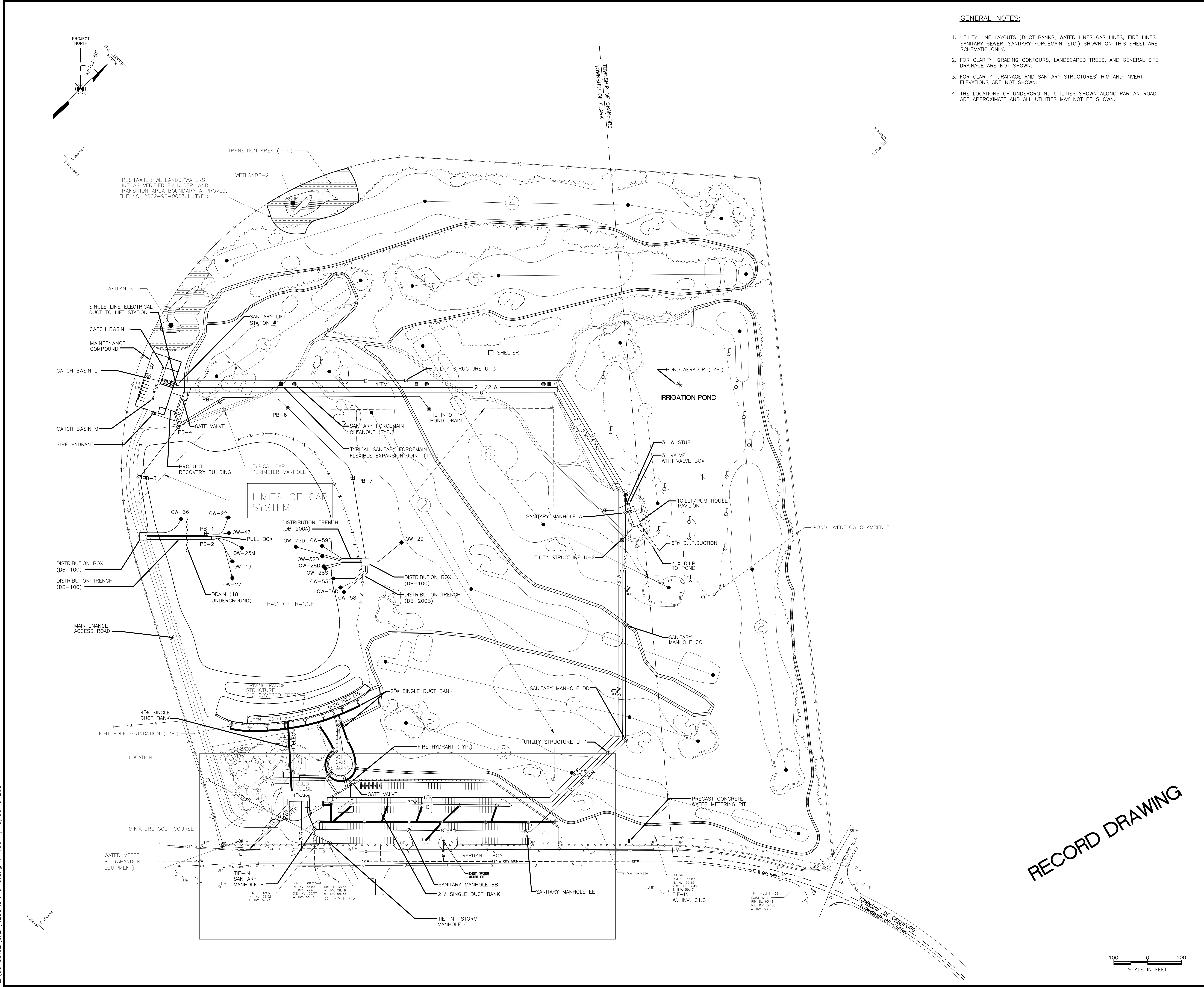
COMPOSITE  
UTILITY PLAN

SHEET TITLE

OWNER'S IDENTIFICATION	PROJECT NUMBER
DATE: JANUARY 2003	C-3
DRAWN BY: B.J.G.	
CHECKED BY: T.A.O.	
DESIGN BY: K.C.B.	
PROJ. MAN.: T.A.F.	

100 0 100  
SCALE IN FEET

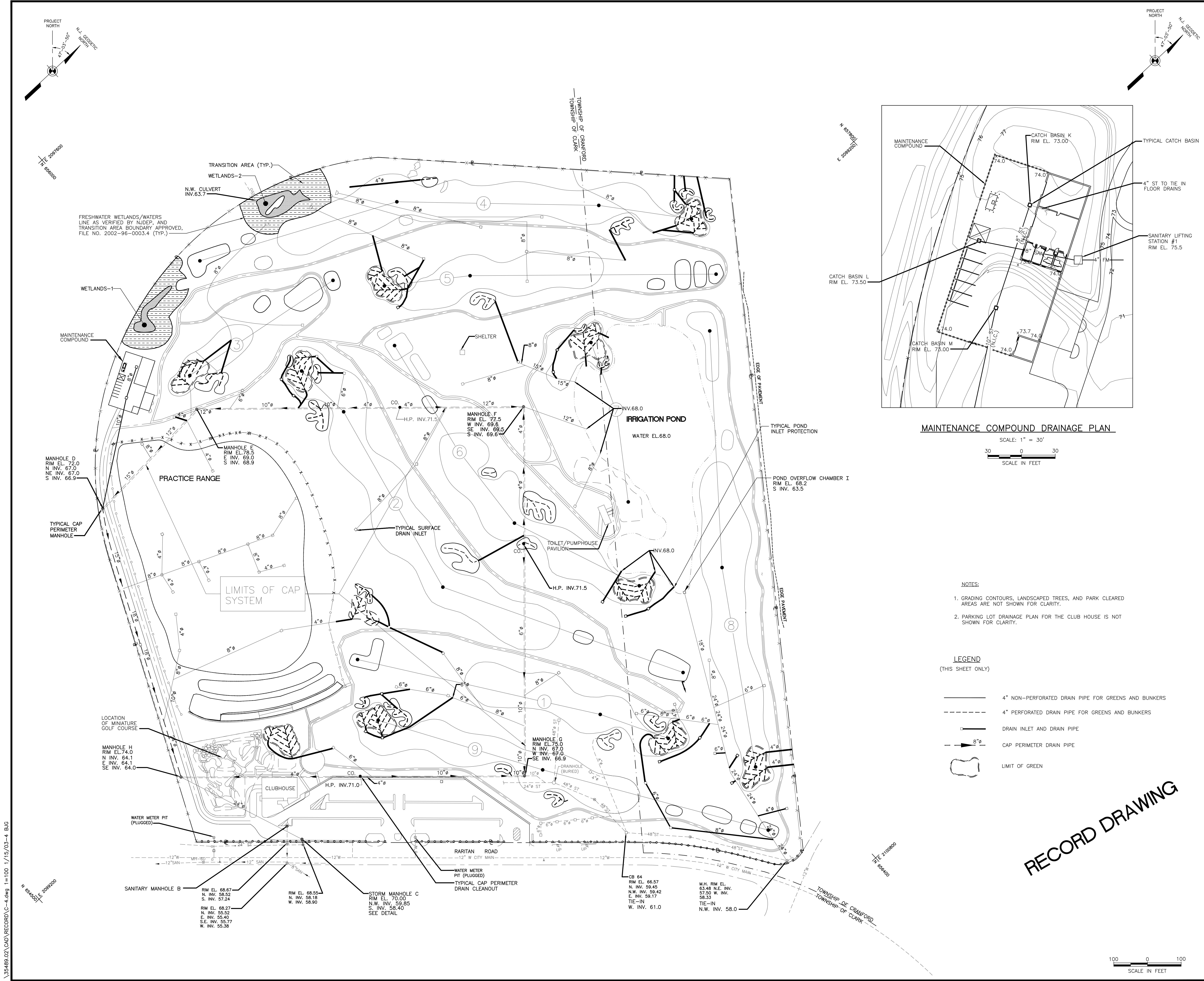
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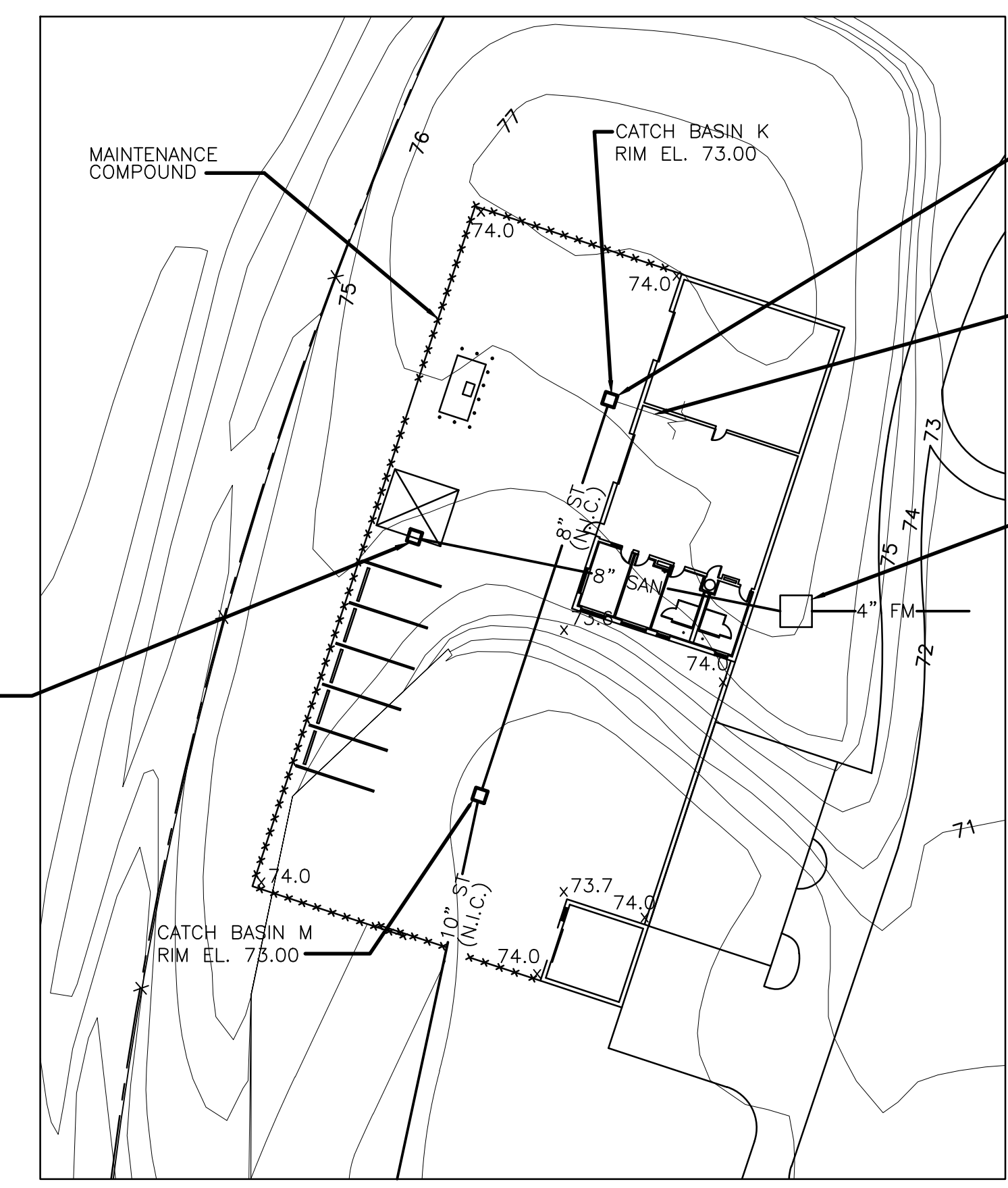
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1/15/2003





N 69°28'29"  
E 289°06'50"



MAINTENANCE COMPOUND DRAINAGE PLAN

- NOTES:**
1. GRADING CONTOURS, LANDSCAPED TREES, AND PARK CLEARED AREAS ARE NOT SHOWN FOR CLARITY.
  2. PARKING LOT DRAINAGE PLAN FOR THE CLUB HOUSE IS NOT SHOWN FOR CLARITY.

**LEGEND**  
(THIS SHEET ONLY)

- 4" NON-PERFORATED DRAIN PIPE FOR GREENS AND BUNKERS
- - - 4" PERFORATED DRAIN PIPE FOR GREENS AND BUNKERS
- 4" DRAIN INLET AND DRAIN PIPE
- 8" CAP PERIMETER DRAIN PIPE
- LIMIT OF GREEN

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0	1/2003	T.A.O.	T.A.O.	T.A.F.

CONTRACT SIGNATURES	CERTIFIED BY
FOR THE OWNER	
FOR THE CONTRACTOR	DATE

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HYATT CLARK FACILITY  
HYATT HILLS GOLF COMPLEX  
RECORD DRAWINGS

PROJECT TITLE

SITE DRAINAGE PLAN

SHEET TITLE

OWNER'S IDENTIFICATION	PROJECT NUMBER
DATE JANUARY 2003	
DRAWN BY B.J.G.	C-4
CHECKED BY T.A.O.	
DESIGN BY D.N.R.	
PROJ. MAN. T.A.F.	SHEET NUMBER

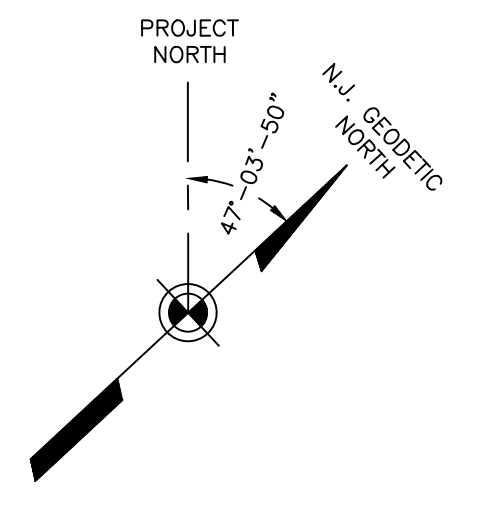
**RECORD DRAWING**

SCALE IN FEET

\\35489.02\CAD\RECORD\C-4.dwg 1=100 1/15/03-4 BUG

N 69°28'29"  
E 289°06'50"





E 2099700  
N 692000

FRESHWATER WETLANDS/WATERS  
LINE AS VERIFIED BY NJDEP, AND  
TRANSITION AREA BOUNDARY APPROVED,  
FILE NO. 2002-96-0003.4 (TYP.)

TRANSITION AREA (TYP.)  
WETLANDS-2

TOWNSHIP OF GRANFORD  
TOWNSHIP OF CLARK

N 697000  
E 2099200

WETLANDS-1

MAINTENANCE  
COMPOUND

PRACTICE  
RANGE

LIMITS OF CAP  
SYSTEM

PRACTICE RANGE  
NETTING

MAINTENANCE  
ACCESS ROAD

LOCATION OF  
MINIATURE GOLF COURSE

PUTTING  
GREEN

GOLF CAR  
STAGING

CLUB  
HOUSE

RARITAN ROAD

WATER  
METER PIT

PRECAST CONCRETE  
WATER METERING PIT

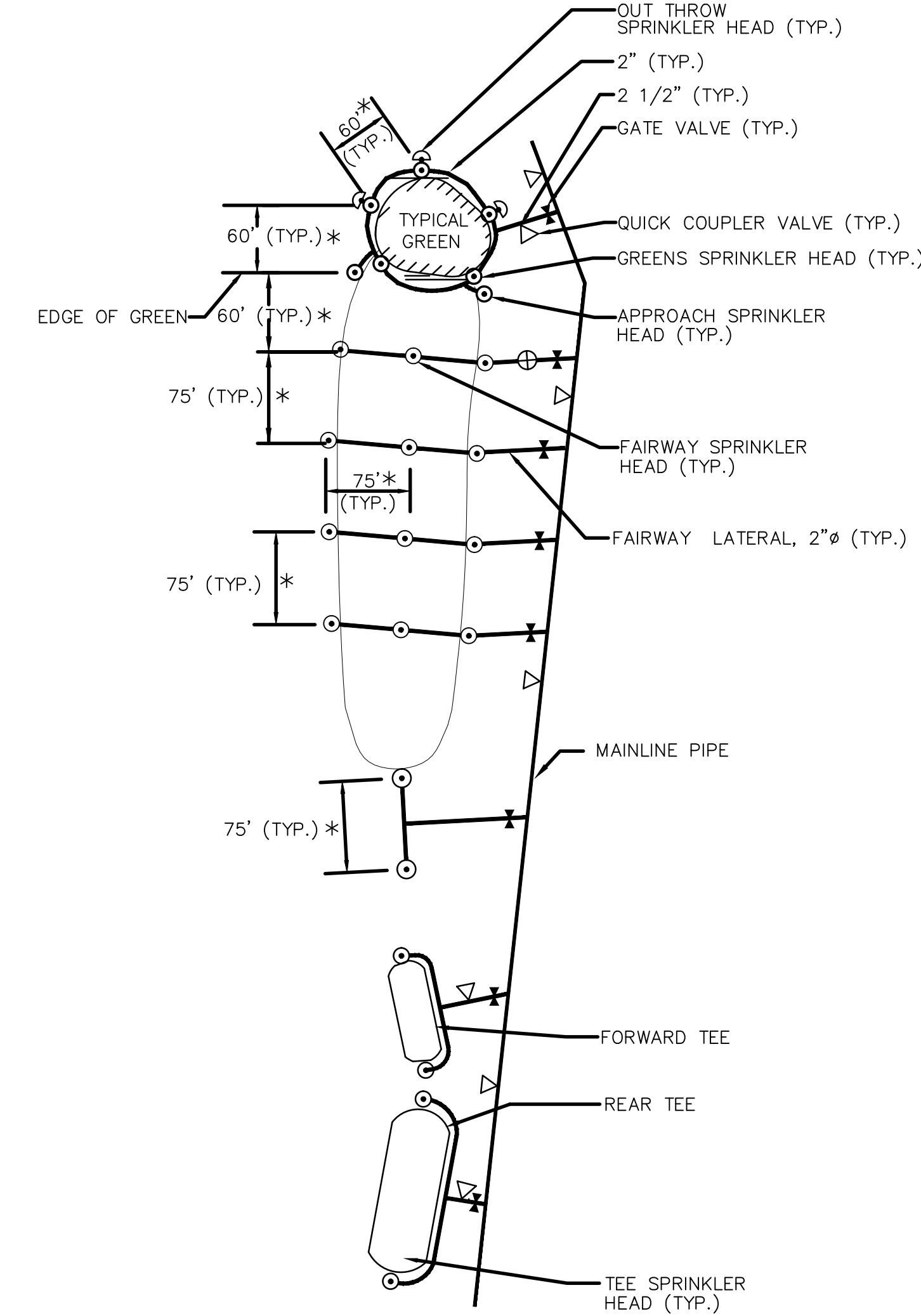
MANHOLE #1

TOWNSHIP OF GRANFORD  
TOWNSHIP OF CLARK

E 2100000  
N 692000

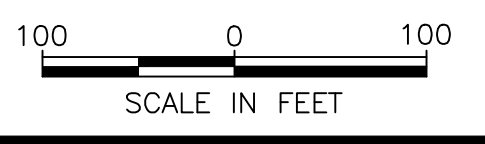
**LEGEND**  
(THIS SHEET ONLY)

- MAINLINE IRRIGATION PIPE
- EXISTING UTILITY LINE
- 8"W— EXISTING MUNICIPAL WATER MAIN
- ST— PROPOSED STORM SEWER
- W— PROPOSED WATER SERVICE
- SAN— PROPOSED SANITARY SEWER
- E— PROPOSED ELECTRIC LINE
- T— PROPOSED TELEPHONE LINE
- ⊕ BRONZE 200 WOG GATE VALVE (LINESIZE)
- ▽ QUICK COUPLER VALVE
- ⊙ ROTARY SPRINKLER HEAD WITH VALVE IN HEAD
- ⊙ OUT THROW SPRINKLER HEAD WITH VALVE IN HEAD (AROUND GREENS)
- ⊙ AIR RELEASE VALVE ASSEMBLY (TO BE FIELD LOCATED)
- ⊙ DRAIN VALVE (TO BE FIELD LOCATED)
- ⊕ MANUAL ISOLATION GATE VALVE (LINESIZE)
- MAINLINE PIPE SDR 21 CLASS 200 PVC GASKETED (SIZE NOTED ON PLAN)
- LATERAL PIPE SDR 21 CLASS 200 PVC BE/SW SOLVENT WELD
- PIPE SLEEVE
- ⊙ PUMP STATION
- ⊙ GOLF COURSE HOLE NUMBER



TYPICAL SPACING DETAIL

NOTE:  
\* APPROXIMATE  
REQUIRED DISTANCE



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0	1/2003	T.A.O.	T.A.O.	T.A.F.

**REVISIONS**

CONTRACT SIGNATURES	CERTIFIED BY
FOR THE OWNER	
FOR THE CONTRACTOR	DATE

**ACA** Ault, Clark & Assoc., Ltd.  
Golf Course Architects  
3821 Farraquut Ave.  
Kensington, MD 20895  
(301) 942-0716 Fax (301) 942-2871

**URS Corporation**  
Group Consultants



FORMER  
HYATT CLARK FACILITY  
HYATT HILLS GOLF COMPLEX  
RECORD DRAWINGS

PROJECT TITLE

IRRIGATION  
PLAN

SHEET TITLE

OWNER'S IDENTIFICATION	PROJECT NUMBER
DATE JANUARY 2003	
DRAWN BY B.J.G.	
CHECKED BY T.A.O.	C-5
DESIGN BY K.F.	
PROJ. MAN. T.A.F.	SHEET NUMBER

\\35488-02\CAD\RECORD\C-5.dwg 1=100 1/15/2003-4 BUG

E 2099200  
N 692000