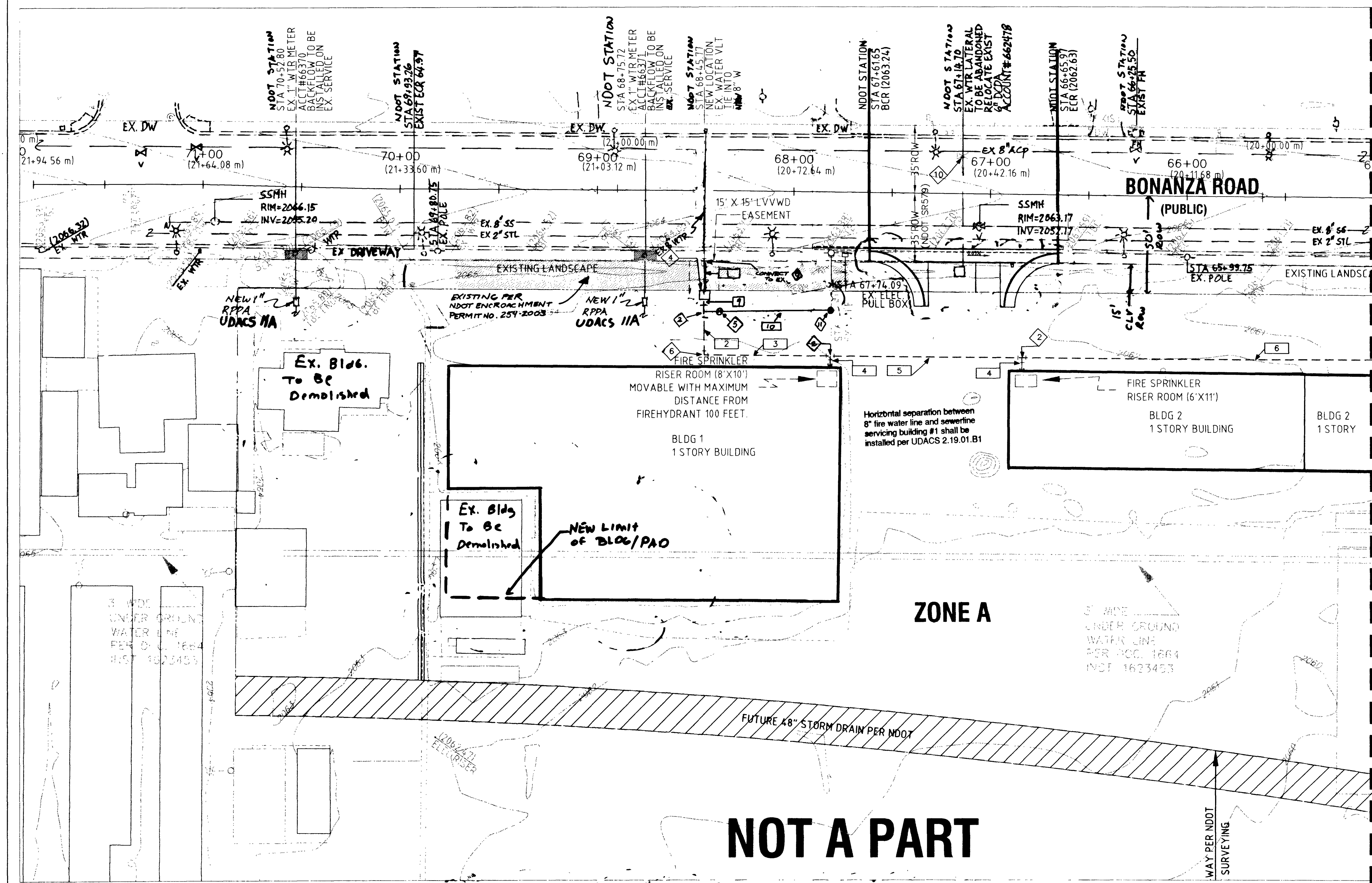
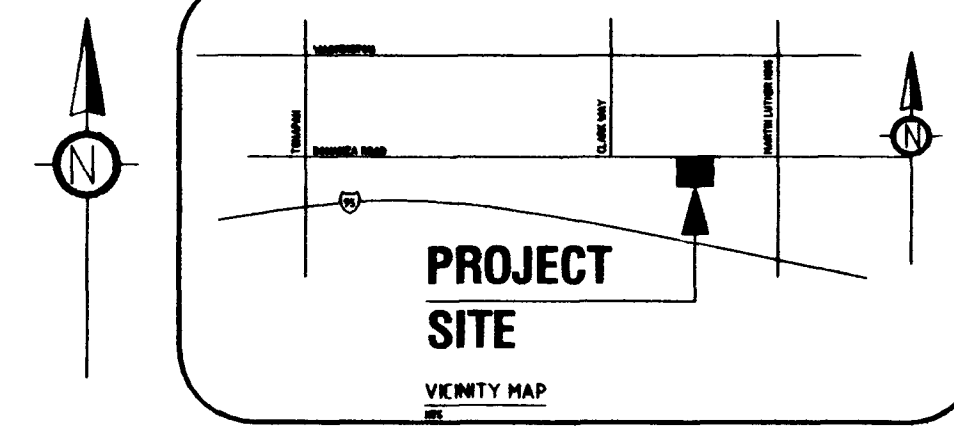


NOO 31' 46" EAST, BEING THE EAST LINE OF THE SOUTHWEST QUARTER (SW 1/4) OF SECTION 28, TOWNSHIP 20 SOUTH, RANGE 61 EAST, M.D.M., CITY OF LAS VEGAS, CLARK COUNTY, NEVADA, AS SHOWN BY A RECORD OF SURVEY ON FILE IN OFFICE OF THE COUNTY RECORDER IN FILE 100, AT PAGE 13.

AN APPROVED NDOT OCCUPANCY PERMIT SHALL BE OBTAINED THROUGH THE DISTRICT PRIOR TO ANY CONSTRUCTION WITHIN THE NDOT RIGHT-OF-WAY.



MATCH SHEET U2 STA 66+06.86

1. NO WORK SHALL BEGIN UNTIL THE WATER PLANS HAVE BEEN RELEASED FOR CONSTRUCTION BY THE LVWMD. FOLLOWING WATER PLAN APPROVAL 48 HOUR NOTICE SHALL BE GIVEN TO THE LVWMD COMMUNICATION SUPPORT CENTER (208-7171) PRIOR TO THE START OF CONSTRUCTION. NOTICE MUST BE GIVEN BY 2:00 P.M. THE BUSINESS DAY PRIOR TO A LVWMD INSPECTION. WHEN REQUESTING INSPECTION REFERENCE TO THE PROJECT IDENTIFIED ABOVE.

2. ALL WORK SHALL CONFORM TO THE LVWMD'S STANDARD PLATES, DRAWINGS AND SPECIFICATIONS AND THE UNIFORM DESIGN AND CONSTRUCTION STANDARDS FOR WATER DISTRIBUTION SYSTEMS (UDACS), LATEST EDITION.

3. ALL WORK, EXCEPT AS MODIFIED BY THESE PLANS OR BY NOTE 1 SHALL BE IN ACCORDANCE WITH THE MOST CURRENT DRAFT OR EDITION OF THE UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFFSITE IMPROVEMENT, CLIMATE CONTROL AREA.

4. A SINGLE PIPE MATERIAL SHALL BE USED THROUGHOUT THE PROJECT UNLESS OTHERWISE APPROVED BY THE LVWMD.

5. ALL SERVICE LATERALS TWO (2) INCHES IN DIAMETER AND SMALLER SHALL BE COPPER TUBING WITH LVWMD APPROVED SERVICE SADDLES.

6. ALL WATER METER BOXES SHALL BE LOCATED OUTSIDE OF DRIVEWAY AREAS.

7. ALL VALVES SHALL BE LOCATED OUTSIDE OF DRIVEWAYS, VALLEY AND CURB GUTTERS.

8. THE FOLLOWING REQUIREMENTS MUST BE MET IN THE EVENT A WATER LINE AND SANITARY OR STORM SEWER LINE CROSS:

A MINIMUM EIGHTEEN (18) INCH VERTICAL SEPARATION (OUTSIDE TO OUTSIDE) MUST BE MAINTAINED WHEN THE WATER LINE IS INSTALLED OVER THE SANITARY OR STORM SEWER LINE. IF THE VERTICAL SEPARATION CANNOT BE MAINTAINED OR THE WATER MAIN MUST BE PLACED UNDER THE SANITARY OR STORM SEWER LINE, THE SANITARY OR STORM SEWER LINE MUST BE CONSTRUCTED WITH ONE OF THE FOLLOWING OR, AS SHOWN ON THESE PLANS:

A. POTABLE WATER SUPPLY QUALITY MATERIAL;
B. ENCASEMENT, WITH FOUR (4) INCH CONCRETE (MINIMUM)
C. SLEEPING WITH POTABLE WATER SUPPLY QUALITY PIPE.

EACH PROJECT MUST EXTEND ALONG THE SANITARY OR STORM SEWER, ON EITHER SIDE OF THE MAIN, A MINIMUM 10 FOOT DISTANCE PERPENDICULAR TO THE WATER MAIN EXTERIOR.

9. WARNING TAP SHALL BE REQUIRED OVER ALL MAINS, ALL SIX (6) INCH DIAMETER AND LARGER SERVICE LATERALS, AND ANY SERVICE LATERAL NOT INSTALLED PERPENDICULAR TO THE MAIN IN ACCORDANCE WITH STANDARD PLATE NO. 27.

10. ALL WATER FACILITIES SHALL BE FILLED, DISINFECTED, PRESSURE TESTED, FLUSHED, FILLED AND AN ACCEPTABLE WATER SAMPLE OBTAINED, PRIOR TO CONNECTION TO THE LVWMD'S DISTRIBUTION SYSTEM.

11. THE CONTRACTOR MUST OBTAIN ALL METERS TWO (2) INCHES AND SMALLER FROM LVWMD CENTRAL STORES. TELEPHONE 258-3152 FORTY- EIGHT (48) HOURS PRIOR TO PICKUP.

12. CONSTRUCTION MAY INTERRUPT SERVICE, WITH LVWMD APPROVAL AND PROPER NOTIFICATION, BETWEEN THE HOURS OF 10 P.M. AND 6 A.M., SUNDAY THROUGH THURSDAY. CIRCUMSTANCES MAY REQUIRE TEMPORARY SERVICE FEEDS BE INSTALLED, WITHOUT LVWMD REIMBURSEMENT. ANY TEMPORARY SERVICE FEED MUST HAVE PRIOR LVWMD APPROVAL.

13. ALL WATER FACILITY CONSTRUCTION MATERIALS USED MUST BE AS LISTED ON THE LVWMD'S PRE-APPROVED MATERIALS AND MANUFACTURERS LISTING FOR NEW FACILITIES, LATEST REVISION, OR SPECIFICALLY APPROVED ON THESE PLANS.

REDUCED PRESSURE PRINCIPLE ASSEMBLY -- (21)"

APPROVED REDUCED PRESSURE PRINCIPLE ASSEMBLY(S) SHALL BE INSTALLED PER THE UDACS PLATE NO. 11A. NO WATER SHALL BE TAKEN FROM A SERVICE REQUIRING BACK FLOW PREVENTION UNTIL THE REDUCED PRESSURE PRINCIPLE ASSEMBLY HAS BEEN SUCCESSFULLY TESTED BY THE LVWMD.

INSTALLATION OF DOUBLE CHECK DETECTOR ASSEMBLY (1)"

THE DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE INSTALLED IN ACCORDANCE WITH THE UDACS PLATE NO. 20B.

ANY BLOCK WALL OR OTHER FENCE MATERIAL SHALL BE DESIGNED AND CONSTRUCTED AROUND THE OUTSIDE OF THE ASSEMBLY(S) AND PROVIDE A DISTRICT DIRECT ACCESS FROM THE ADJACENT RIGHT-OF-WAY.

APPROVED FOR CONSTRUCTION

Patricia Chan
LAS VEGAS VALLEY WATER DISTRICT
DATE 6/5/03.

WATER TABLE

PIPE NO.	SIZE (IN.)	TYPE OF PIPE	LF.
1	8	C900	15
2	8	C900	20
3	8	C900	64
4	8	C900	5
5	8	C900	97
6	8	C900	197
7	8	C900	18
8	8	C900	197
9	8	C900	3
10	8	C900	64

2. INSTALL 8" x 8" x 8" TEE W/THRUST BLOCKS PER UDACS PLATE NO. 5
4. INSTALL 8" DCCA PER UDACS PLATE NO. 20B.
5. INSTALL 8" GATE VALVE
6. INSTALL 8" 90° BEND W/THRUST BLOCKS PER UDACS PLATE NO. 5
8. INSTALL 8" x 8" TAPPING SLEEVE WITH 8" TAPPING VALVE
9. CHECK LOCATION OF 90° FITTING.
10. ABANDONED VALVE CUT AND CAP.
11. INSTALL FIRE HYDRANT ASSEMBLY PER UDACS PLATE #7.

8" WATER LINE	111 L
8" DCDA	1 EA.
8" TAPPING VALVE	1 EA.
8"x8" WET-TAPPING SLEEVE + VALVE	1 EA.

FIRE FLOW REQUIREMENT IS : 2.625 gpm
AT 20 psi RESIDUAL PRESSURE

BASED ON:
 SQUARE FOOTAGE: 62,100 sq. ft.
 STATIC PRESSURE: 45 psi
 TYPE OF CONSTRUCTION: II N
 FULL AUTOMATIC FIRE
 SPRINKLER SYSTEM: YES

REVIEWED BY: [Signature]
DATE: 6.3.03

ALL VALVES TO BE ABANDONED IN THE CLOSED POSITION, UNLESS SHOWN OTHERWISE, BY REMOVING A MINIMUM OF THE TOP 12 INCHES OF THE VALVE BOX AND THEN FILLING THE REMAINING PORTION OF THE VALVE BOX WITH CONCRETE HAVING A COMPRESSIVE STRENGTH OF AT LEAST 2,000 PSI.

THE CONTRACTOR SHALL CUT THE EXISTING PIPE WITHIN 3' OF THE ABANDONED VALVE OR WHERE SHOWN ON THE PLANS AND INDICATED BY A TAG WHERE THE CUT OR COUPLING IN THE EXISTING PIPE IS UNCOVERED AT THE CUT AND CAP LOCATION. THE INSTALLATION OF A PLUG MAY BE PERMITTED WITH DISTRICT APPROVAL. THE CONTRACTOR SHALL INSTALL A CONCRETE THRUST BLOCK IN ACCORDANCE WITH THE PROVISIONS OF THE UDACS PLATE NO. 5 AT ALL CAP OR PLUG LOCATIONS.

PLEASE NOTE, BENCHMARK DATUM BASED ON THE FOLLOWING:

1. DATUM PUBLISHED DEC. 2002: CITY OF LAS VEGAS STATION 7C01 2856, ELEVATION 626.2980 METERS NAVD 88 (2054.78 FEET NAVD29); RWET AND PLATE IN TOP OF CURB AT NORTHWEST CORNER OF BONAZZA AND MARTIN LUTHER KING BLVD.
2. DATUM PUBLISHED 1993: CITY OF LAS VEGAS STATION 7C01 2856, ELEVATION 626.3700 METERS NAVD 88 (2055.02 FEET NAVD29); RWET AND PLATE IN TOP OF CURB AT NORTHWEST CORNER OF BONAZZA AND MARTIN LUTHER KING BLVD.
3. DATUM ADJUSTMENT: 626.3700 M (2055.02 FT.)-626.2980 M (2054.78 FT.)= ± 0.0720 M

UTILITY LOCATION SHOWN HEREON ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVER-HEAD UTILITIES PRIOR TO COMMENCING CONSTRUCTION. NO REPRESENTATION IS MADE THAT ALL EXISTING UTILITIES ARE SHOWN HEREON. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATIONS.

NOTIFY ENGINEER IMMEDIATELY IF DISCREPANCIES ARE ENCOUNTERED.

* SOME CONDUIT EXIST UNDER SIDEWALK.
CONTRACTOR TO VERIFY LOCATION OF
EXISTING CONDUIT AND USE EXISTING
CONDUIT WHERE POSSIBLE

THE ON-SITE WATERLINES AND APPURTENANCES
ARE PRIVATE FACILITIES NOT TO BE OPERATED
OR MAINTAINED BY THE CITY OF LAS VEGAS

* MODIFY EXISTING STREET LIGHT FOUNDATIONS PER DRAWING #325. ALL WORK ASSOCIATED WITH THIS/THESE STREET LIGHT(S) SHALL BE DONE UNDER DIRECT SUPERVISION OF THE CITY OF LAS VEGAS ELECTRIC SHOP. ANY QUESTIONS CALL 229-6331.

RECORD OF SURVEY FILE 100 PAGE 13, RECORD OF SURVEY FILE 71 PAGE 7, RECORD OF SURVEY FILE 91 PAGE 97.

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OVERHEAD**
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SOLUTIONS CORPORATION

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AHERN RENTALS, INC
1785 W. BONANZA ROAD

UTILITY PLAN - I
Street Lighting
NORTH RENTALS
FIRE LINE

DRAWN BY: S.P.	5-05-03	SHEET 7
DESIGNED BY: S.P.	5-05-03	
CHECKED BY: A.V.	5-05-03	
PROJECT #: NV2002-45	SCALE: 1" = 30'	
TITLE		

PROFESSIONAL ENGINEER STATE OF NEW YORK
ANTHONY VITALE
6/2/03
CIVIL
EXP. No. 12270 MOVTY

EXP. 6/30/04

SHEET
U1
8 OF 17 SHEETS
DRAWING #
107V3-0000-86

60559