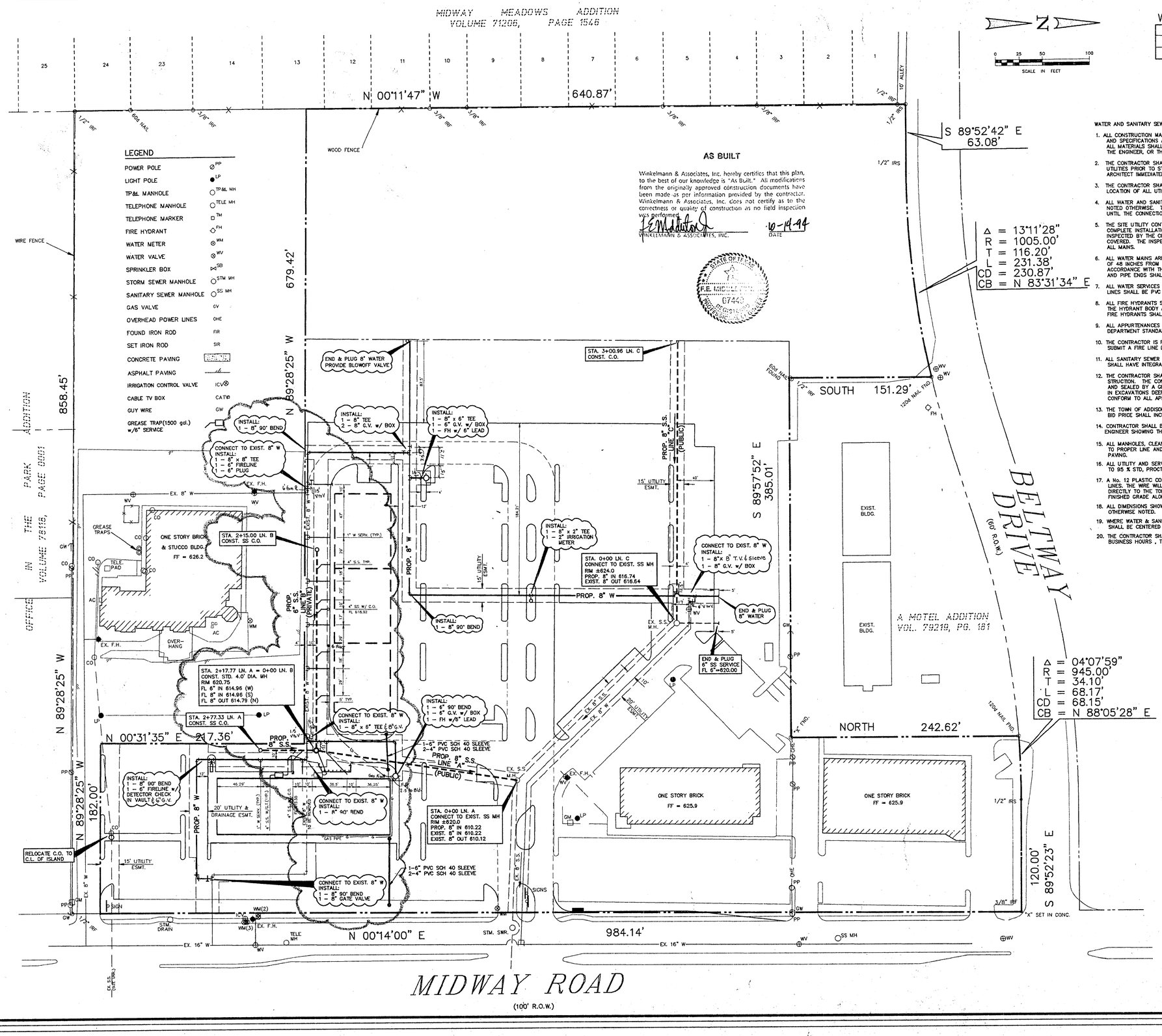


LEGEND

POWER POLE	PP
LIGHT POLE	LP
TP&L MANHOLE	TP&L MH
TELEPHONE MANHOLE	TELE MH
TELEPHONE MARKER	TM
FIRE HYDRANT	FH
WATER METER	WM
WATER VALVE	WV
SPRINKLER BOX	SB
STORM SEWER MANHOLE	STM MH
SANITARY SEWER MANHOLE	SS MH
GAS VALVE	GV
OVERHEAD POWER LINES	OHE
FOUND IRON ROD	FIR
SET IRON ROD	SIR
CONCRETE PAVING	
ASPHALT PAVING	
IRRIGATION CONTROL VALVE	ICV
CABLE TV BOX	CATV
GUY WIRE	GW
GREASE TRAP(1500 gal.) w/6" SERVICE	

AS BUILT

Winkelmann & Associates, Inc. hereby certifies that this plan, to the best of our knowledge is "As Built." All modifications from the originally approved construction documents have been made as per information provided by the contractor. Winkelmann & Associates, Inc. does not certify as to the correctness or quality of construction as no field inspection was performed.

F.E. McCulloch
WINKELMANN & ASSOCIATES, INC.

10-14-94
DATE

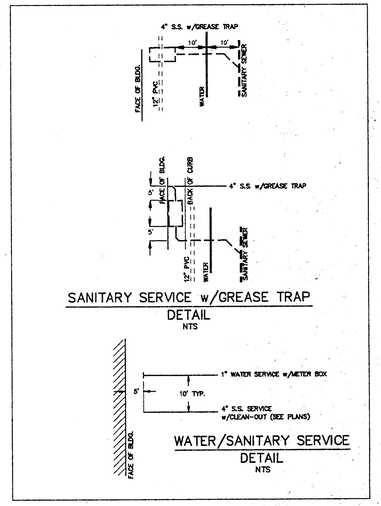
STATE OF TEXAS F.E. MCCULLOCH 67449 REGISTERED PROFESSIONAL ENGINEER

WATER METER SCHEDULE

TYPE	SIZE	NO.
DOMESTIC	1"	7
IRRIGATION	2"	1

WATER AND SANITARY SEWER GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL ADHERE TO THE TOWN OF ADDISON STANDARD DETAILS AND SPECIFICATIONS AND THE NCTCOG STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. ALL MATERIALS SHALL BE U.L. LISTED AND FACTORY MUTUAL APPROVED UNLESS DIRECTED OTHERWISE BY THE ENGINEER, OR THE TOWN OF ADDISON.
2. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT IMMEDIATELY IF A CONFLICT IS DISCOVERED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS SHOWN, COORDINATING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING AND/OR CROSSING OTHER UTILITIES.
4. ALL WATER AND SANITARY SEWER SERVICES SHALL TERMINATE 5 FEET OUTSIDE THE BUILDING, UNLESS NOTED OTHERWISE. THE END OF THESE SERVICES SHALL BE TIGHTLY PLUGGED OR CAPPED AND MARKED UNTIL THE CONNECTION IS MADE TO THE BUILDING PIPING.
5. THE SITE UTILITY CONTRACTOR SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE UTILITIES. ALL PIPE, STRUCTURES, AND FITTINGS SHALL BE INSPECTED BY THE CITY WATER DEPARTMENT AND/OR CODE ENFORCEMENT INSPECTOR PRIOR TO BEING COVERED. THE INSPECTOR MUST ALSO BE PRESENT DURING DISINFECTION AND PRESSURE TESTING OF ALL MAINS.
6. ALL WATER MAINS ARE TO BE AS SHOWN ON THE DRAWINGS. WATER MAINS 6" AND 8" SHALL HAVE A MIN. COVER OF 48 INCHES FROM FINISHED GRADE TO TOP OF PIPE, 10" AND 12", 60 INCHES, AND SHALL BE BEDDED AND BACKFILLED IN ACCORDANCE WITH THE TOWN OF ADDISON STANDARD DETAILS. ALL FIRE HYDRANTS, FITTINGS AND PIPE ENDS SHALL BE BLOCKED WITH CONCRETE PER CITY DETAILS.
7. ALL WATER SERVICES 2 INCHES AND SMALLER SHALL BE TYPE 'K' COPPER. ALL OTHER LINES SHALL BE PVC CLASS 150 DR 18.
8. ALL FIRE HYDRANTS SHALL BE PRIMED AND PAINTED WITH A MACHINE IMPLEMENT GRADE ENAMEL PAINT. THE HYDRANT BODY AND BONNET SHALL BE PAINTED IN ACCORDANCE WITH THE TOWN OF ADDISON STANDARDS. FIRE HYDRANTS SHALL BE MUELLER CENTURION MODEL.
9. ALL APPURTENANCES USED FOR FIRE PROTECTION SHALL CONFORM TO THE CURRENT TOWN OF ADDISON FIRE DEPARTMENT STANDARDS AND SPECIFICATIONS.
10. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTINUATION OF THE FIRE LINE. THE CONTRACTOR SHALL SUBMIT A FIRE LINE DESIGN PLAN PREPARED, SIGNED AND SCALED BY A LICENSED SPRINKLER CONTRACTOR.
11. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE SDR 35 PVC (ASTM 3034) AND SHALL HAVE INTEGRAL WALL BELL AND SPIGOT JOINTS.
12. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE TRENCH SAFETY DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A TRENCH EXCAVATION PROTECTION PLAN PREPARED, SIGNED, AND SEALED BY A GEOTECHNICAL ENGINEER REGISTERED IN THE STATE OF TEXAS, FOR ALL CONSTRUCTION IN EXCAVATIONS DEEPER THAN 5 FEET, PRIOR TO START OF CONSTRUCTION. SAID SAFETY PLAN SHALL CONFORM TO ALL APPLICABLE FEDERAL AND STATE LAWS REGARDING EXCAVATING AND TRENCHING OPERATIONS.
13. THE TOWN OF ADDISON WILL INSPECT ALL "PUBLIC" CONSTRUCTION. THE CONTRACTORS BID PRICE SHALL INCLUDE ALL INSPECTION FEES.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING "AS-BUILT" PLANS TO THE ENGINEER SHOWING THE LOCATION OF SEWER SERVICE BY DISTANCE TO THE LOT LINES.
15. ALL MANHOLES, CLEANOUTS, VALVE BOXES, FIRE HYDRANTS, ETC., MUST BE ADJUSTED TO PROPER LINE AND GRADE BY THE CONTRACTOR AFTER PLACING OF PERMANENT PAVING.
16. ALL UTILITY AND SERVICE LATERAL TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 95 % STD. PROCTOR DENSITY.
17. A No. 12 PLASTIC COATED WIRE SHALL BE PLACED IN THE TRENCH OVER ALL WATER LINES. THE WIRE WILL BE TIED TO ALL VALVES AND FIRE HYDRANTS AND ATTACHED DIRECTLY TO THE TOP OF PIPE AND EXTENDED TO SIX (6) INCHES ABOVE THE FINISHED GRADE ALONG THE OUTSIDE OF ALL VALVE STAKES AND FIRE HYDRANTS.
18. ALL DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE AND THE R.O.W., UNLESS OTHERWISE NOTED.
19. WHERE WATER & SANITARY SEWER LINES CROSS, A 20' SECTION OF WATER LINE SHALL BE CENTERED ON THE SEWER LINE.
20. THE CONTRACTOR SHALL COORDINATE WATERLINE WORK TO PROVIDE SERVICE DURING BUSINESS HOURS , TO THE EXISTING ONE STORY BRICK & STUCCO BUILDING



SANITARY SERVICE w/GREASE TRAP DETAIL
NTS

WATER/SANITARY SERVICE DETAIL
NTS

BENCHMARK NO. 1:
"D" CUT IN CURB LOCATED ON NORTHEAST CORNER OFAN INLET ON THE WEST SIDE OF MIDWAY ROAD APPROXIMATELY 911 FEET SOUTH OF BELTWAY DRIVE.
ELEV. = 615.72

BENCHMARK NO. 2:
" " CUT IN CURB LOCATED ON SOUTH SIDE OF BELTWAY DRIVE APPROXIMATELY 627 FEET EAST OF MIDWAY ROAD.
ELEV. = 631.63

No.	DATE	REVISION	APPROV.
3	2-11-94	REVISED LOCATION OF EXIST. WATER LINE	FEM
2	1-7-94	CITY COMMENTS	FEM
1	12-6-93	CITY COMMENTS	FEM

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(214) 490-7090
(214) 490-7099 FAX

F.E. McCULLOCH 67449 REGISTERED PROFESSIONAL ENGINEER

THOMAS L. CHENOWETH SURVEY, ABSTRACT NO. 273
TOWN OF ADDISON, DALLAS COUNTY, TEXAS

CLIENT: McCUTCHIN PROPERTIES
14902 PRESTON ROAD, SUITE 200
DALLAS, TEXAS 75380

WATER / SANITARY PLAN

Scale : 1" = 50' Date : 11/21/93
Designed By : F.E.M.
Drawn By : L.H.N.
Checked By : F.E.M.
File : 15602WSS.DWG
Project No. : 15602.01

SHEET 6 OF 19