UTILITY INFORMATION

THE FOLLOWING PERSON AND / OR AGENCIES SHALL BE CONTACTED BY THE RESPECTIVE SUBCONTRACTORS TO VERIFY ALL ASPECTS OF SERVICE TO THE BUILDING-CONNECTIONS, PERMITS, FEES, LINE EXTENSIONS, ETC. - AS MAY BE REQUIRED FOR THE PROJECT. COORDINATION OF ALL WORK, OBTAINING REQUIRED PERMITS, PAYING FEES, ETC. OR INSTALLATION OF THE UTILITIES TO (AND IN) THE BUILDING SHALL BE THE RESPONSIBILITY OF THE VARIOUS SUBCONTRACTORS.

WATER: PWSD#2 OF ST. CHARLES COUNTY, 100 WATER DR., O'FALLON, MO 636-561-3737

SEWER: CITY OF O'FALLON, MO 100 N. MAIN ST., O'FALLON, MO PH. (636) 240-2000

ELECTRICAL: AMERUN UE: 200 N. CALLAHAN, WENTZVILLE, MO PH. (636) 634-8235

TELEPHONE: CENTURY TEL: 2462 HWY K, O'FALLON, MO PH. (636) 382-7342

CABLE: CHARTER COMMUNICATIONS 100 N. MAIN ST., O'FALLON, MO (636) 281-1111

GAS: LACLEDE GAS 720 OLIVE ST., ST. LOUIS, MO (314) 621-6960

UTILITY LEGEND

—— SS —— SS ——	SANITARY SEWER
- - - - - - - -	STORM SEWER
—— W —— W ——	WATER LINE WITH GATE VALVE
—— W —— W ——	FIRE HYDRANT (TYP)
—— W —— W ——	WATER METER PIT (TYP)
o—— SS ——o—— SS ——o	SANITARY SEWER CLEANOUTS

UTILITY NOTES

RIP-RAP SHOWN AT FLARED ENDS WILL BE EVALUATED IN THE FIELD AFTER INSTALLATION FOR EFFECTIVENESS AND FIELD MODIFIED IF NECCASSARY TO REDUCE EROSION ON AND OFF SITE.

ALL FILL PLACED UNDER PROPOSED STORM AND SANITARY SEWER, PROPOSED ROADS, AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. ALL FILL PLACED IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS. ENSURE THE MOISTURE CONTENT OF THE SOIL IN FILL AREAS IS TO CORRESPOND TO THE COMPACTIVE EFFORT AS DEFINED BY THE STANDARD OR MODIFIED PROCTOR TEST. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY OF O'FALLON PRIOR TO THE PLACEMENT OF FILL. PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY OF O'FALLON.

BRICK SHALL NOT BR USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES.

ALL STORM SEWERS ARE PRIVATE.

ALL SANITARY LATERALS AND SANITARY MAINS CROSSING UNDER ROADWAYS MUST HAVE THE PROPER ROCK BACKFILL AND TO REQUIRED COMPACTION.

PROVIDE A MARKING ON THE STORM SEWER INLET. THE CITY WILL ALLOW THE FOLLOWING MARKERS AND ADHESIVE PROCEDURES ONLY AS SHOWN IN THE TABLE BELOW OR AN APPROVED EQUAL BY ALMETEK INDUSTRIES. 'PEEL AND STICK' ADHESIVE PADS WILL NOT BE ALLOWED.

MANUFACTURER	SIZE	ADHESIVE	STYLE	MESSAGE (PART #)	WEBSITE
ACP INTERNATIONAL	3 7/8"	EPOXY	CRYSTAL CAP	NO DUMPING DRAINS TO WATERWAYS (SD-W-CC)	WWW.ACPINTERNATIONAL.COM
DAS MANUFACTURING INC.	4"	EPOXY	STANDARD STYLE	NO DUMPING DRAINS TO STREAMS (#9DS)	WWW.DASMANUFACTURING.COM

THE CITY OF O'FALLON SHALL ALSO BE CONTACTED FOR UTILITY LOCATES UNDER ITS MAINTENANCE RESPONSIBILITY. THIS MAY INCLUDE WATER, SANITARY, STORM, AND TRAFFIC LOCATES.

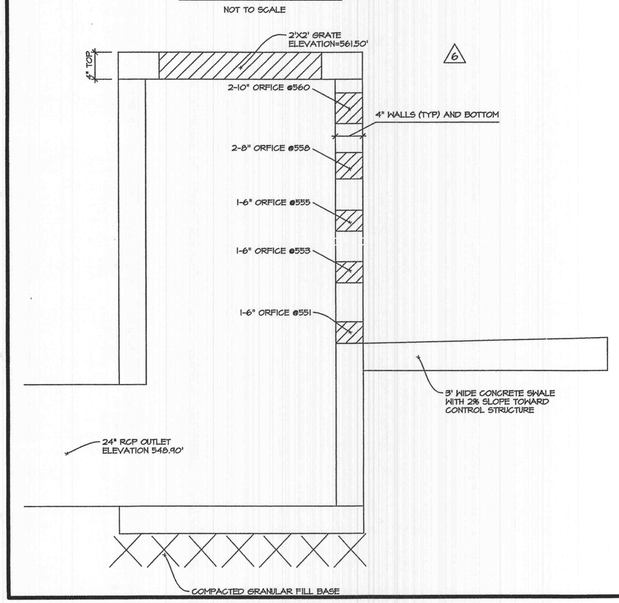
CUTOFF WALLS ON FE's ARE 2' DEEP UPSTREAM, AND 3' DEEP DOWNSTREAM. (FE's SHALL BE CONC.)

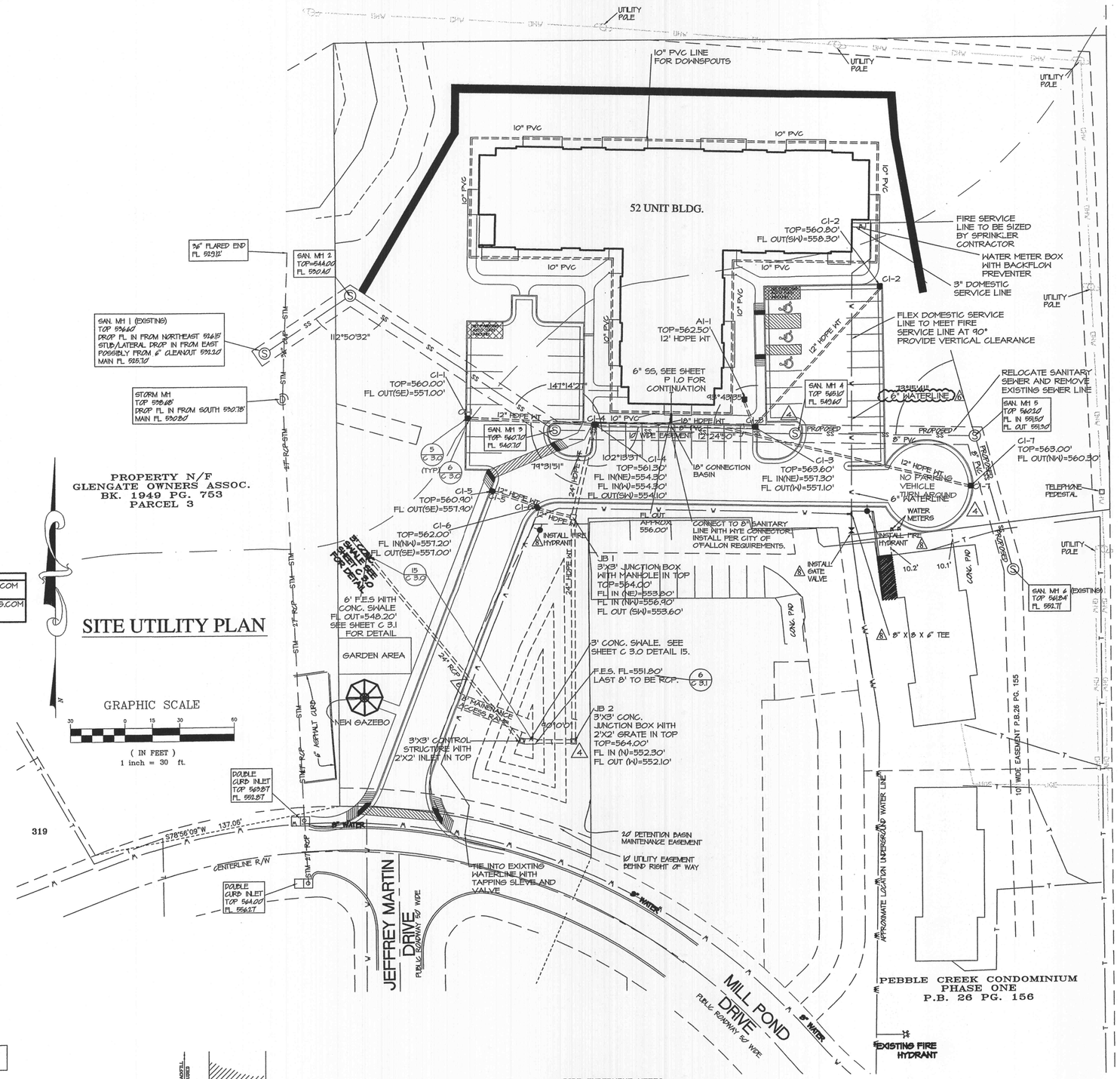
PROVIDE GRANULAR FILL AROUND SANITARY AND STORM LINES WITH TRENCHES WITHIN 10 FEET OF THE EDGE OF PAVEMENT CURB AND IN THE 1 TO 1 SHEAR PLANE OF THE PAVEMENT.

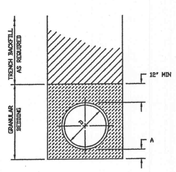
THE RELOCATED SANITARY SEWER WILL NEED TO BE INSTALLED WITH THE INITIAL CONSTRUCTION AND THE AS BUILT PLANS WILL BE REQUIRED TO BE REVIEWED AND APPROVED BEFORE THE LINE IS PLACED IN SERVICE AND THE OLD LINE REMOVED.

DETENTION BASIN CONTROL STRUCTURE

NOT TO SCALE







TYPICAL PIPE BEDDING

TABLE OF EMBEDMENT DEPTHS BELOW PIPE		
D	A MIN SOIL	A MIN ROCK
0'-27'	4"	6"
30'-60'	6"	9"
66'-UP	8"	12"

(DETAIL NO. SAN_D09)

PIPE EMBEDMENT NOTES

1. GRANULAR BEDDING SHALL BE CRUSHED LIMESTONE AND SCREENINGS, 3/4" MINUS TO BE PLACED IN NOT MORE THAN 6" LAYERS AND COMPACTED BY SLICING WITH A SHOVEL OR VIBRATING.
2. TAMPED GRANULAR BACKFILL (TYPE 3) SHALL BE GRANULAR MATERIAL CONFORMING TO THE REQUIREMENTS OF SECTION 1007.3 OF THE 1999 MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THIS MATERIAL SHALL BE USED AT ALL EXISTING AND PROPOSED STREET CROSSINGS.
3. TRENCH BACKFILL (TYPE 1) SHALL BE FINELY DIVIDED MATERIAL FREE FROM DEBRIS AND STONES, COMPACTED TO 95% MAXIMUM DENSITY.

4 SEWER PIPE EMBEDMENT DETAILS

4 WATERLINE DETAILS ARE FOUND ON SHEET C6.3

4 21 SEPT 2006 THHinc
4 10 OCT 2006 THHinc

ASI #3

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C 6.0

JOB NO. 2324

SHEET 12 OF 17