

NOTES:

1. "TEXAS 811" AT (800) 245-4545 SYSTEMS REQUIRE 48-72 HOURS NOTICE PRIOR TO EXCAVATION. UTILITY MUST CHECK THE REQUIREMENTS IN THE VICINITY OF THE PROPOSED PROJECT. **NOTIFICATION IS THE LAW!**

2. UTILITY WILL CONTACT THE WEST HARRIS COUNTY REGIONAL WATER AUTHORITY'S ("AUTHORITY") OPERATOR (SEVEN TRENT SERVICES 281-398-8211) TO LOCATE AND MARK THE AUTHORITY'S WATER LINE PRIOR TO ANY CONSTRUCTION. THE AUTHORITY ACCEPTS NO RESPONSIBILITY REGARDING THE LOCATION OF ANY OTHER FACILITIES WITHIN THE AUTHORITY'S EASEMENT.

3. UTILITY WILL COORDINATE WITH THE AUTHORITY REGARDING THE USE OF HEAVY EQUIPMENT ON OR ACROSS THE WATERLINE WITHIN THE EASEMENT TO PREVENT POTENTIAL DAMAGE TO THE AUTHORITY'S FACILITIES. THIS MAY INCLUDE THE USE OF MATS, PLATES, OR SPECIAL EQUIPMENT.

4. ANY OPEN CUT CONSTRUCTION FOR A UTILITY CROSSING ABOVE AN AUTHORITY WATERLINE WILL NOT DISTURB SOILS WITHIN 18 INCHES OF THE AUTHORITY'S LINE. UTILITY'S EXCAVATOR SHALL HAVE A PLATE WELDED OVER THE TEETH OF THE EXCAVATOR BUCKET, AND THE SIDE CUTTERS MUST BE REMOVED PRIOR TO EXCAVATION TO HELP PREVENT PIPELINE DAMAGE. ANY EXCAVATION TAKING PLACE WITHIN 24 INCHES OF THE OUTER EDGE OF THE WATERLINE SHALL BE DONE BY HAND EXCAVATION ONLY; AIR CUTTING AND VACUUM EXCAVATION ARE PERMITTED WITH THE APPROVAL OF THE AUTHORITY'S ONSITE REPRESENTATIVE.

5. CONSTRUCTION ACTIVITIES THAT GENERATE GROUND VIBRATIONS, INCLUDING PILE DRIVING, SHEET DRIVING, SOIL COMPACTION WORK, TUNNELING, TRENCHLESS CONSTRUCTION, JACK HAMMERING, RAMMING AND BORING AND JACKING SHALL BE COORDINATED WITH AND APPROVED BY THE AUTHORITY'S ENGINEER.

6. A LETTER OF NO OBJECTION OR A CONSENT TO ENCROACHMENT AGREEMENT ("APPROVAL DOCUMENT") WITH THE AUTHORITY MUST BE OBTAINED PRIOR TO ANY WORK ACTIVITY WITHIN THE AUTHORITY'S EASEMENT. THE AUTHORITY MUST REVIEW AND APPROVE THE PROPOSED CONSTRUCTION DRAWING BEFORE AN APPROVAL DOCUMENT CAN BE ISSUED. A COPY OF THE APPROVAL DOCUMENT MUST BE IN THE POSSESSION OF UTILITY'S (AND ITS CONTRACTOR'S) WORK CREWS WHILE CONDUCTING CONSTRUCTION ACTIVITY WITHIN THE AUTHORITY'S EASEMENT. AN APPROVAL DOCUMENT IS NOT NECESSARY FOR SURVEY WORK ON OR ASSESSMENT OF THE SURFACE OF THE AUTHORITY'S EASEMENT.

7. UTILITY MUST NOTIFY THE AUTHORITY 48 HOURS IN ADVANCE OF UTILITY CONDUCTING CONSTRUCTION WITHIN THE AUTHORITY'S EASEMENT. THE AUTHORITY'S REPRESENTATIVE MAY BE PRESENT DURING CONSTRUCTION WITHIN THE AUTHORITY'S EASEMENT.

8. UTILITY MAY NOT STORE CONSTRUCTION MATERIALS, INCLUDING SOIL SPOILS, AND EQUIPMENT WITHIN THE AUTHORITY'S EASEMENT.

9. ALL PROPOSED CROSSINGS SHALL BE REASONABLY PERPENDICULAR TO THE AUTHORITY'S EASEMENT.

10. THE PROPOSED SURFACE GRADE OR ELEVATION WITHIN THE AUTHORITY'S EASEMENT MUST BE APPROVED BY THE AUTHORITY. NO CONSTRUCTION WILL BE ALLOWED THAT RESULTS IN THE EROSION OF SOILS OR EARTH FILL GREATER THAN TWELVE (12) INCHES WITHIN THE AUTHORITY'S EASEMENT. THE AUTHORITY'S EASEMENT MUST BE RESTORED TO EXISTING CONDITION OR BETTER TO ENSURE POSITIVE DRAINAGE WITHOUT ADVERSELY AFFECTING ADJACENT PROPERTIES.

11. NO TEMPORARY NOR PERMANENT CROSSINGS (RAILROADS, ROADWAYS, DRIVEWAYS, SIDEWALKS, PARKING LOTS, ETC.) SHALL BE CONSTRUCTED ACROSS THE AUTHORITY'S EASEMENT WITHOUT OBTAINING AN APPROVAL DOCUMENT. ALL CROSSINGS SHALL MAINTAIN A MINIMUM OF SIX (6) FEET COMPACTED COVER OVER THE WATERLINE.

12. NOT WITHSTANDING ANY PROVISION HEREOF, NO BUILDINGS NOR BUILDING FOUNDATION, HOUSES, BARNs, GARAGES, PATIOS, SWIMMING POOLS, LIGHT POLES, MASONRY, RETAINING WALLS OR OTHER PERMANENT OR TEMPORARY STRUCTURES ARE PERMITTED WITHIN THE AUTHORITY'S EASEMENT.

13. THE AUTHORITY MUST APPROVE PROPOSED FENCING PRIOR TO CONSTRUCTION WITHIN THE EASEMENT. FENCE POSTS SHOULD BE PLACED A MINIMUM OF THREE (3) FEET FROM THE OUTSIDE OF THE AUTHORITY'S PIPELINE. FENCES MAY NOT OBSTRUCT THE LINE OF SIGHT BETWEEN WATER LINE MARKERS. THE AUTHORITY'S PERSONNEL (INCLUDING CONTRACTORS) MAY ACCESS THE AUTHORITY'S FACILITIES AT ALL TIMES. THE LANDOWNER IS RESPONSIBLE FOR FENCE CONSTRUCTION AND MAINTENANCE AND SHALL PROVIDE GATES (A MINIMUM OF 14 FEET IN WIDTH) FOR ACCESS IN SUFFICIENT NUMBER TO ENSURE UNHINDERED, CONTINUOUS ACCESS TO THE AUTHORITY'S EASEMENT.

14. NO TREES OR LARGE, DEEP-ROOTED SHRUBS ARE PERMITTED WITHIN THE AUTHORITY'S EASEMENT. SOME SHRUBS MAY BE PERMITTED WITHIN THE EASEMENT PROVIDED THE PLANTINGS DO NOT INTERFERE WITH THE CONSTRUCTION, OPERATION, MAINTENANCE, AND INSPECTION OF THE WATERLINE AND APPURTENANT FACILITIES. UNDER NO CIRCUMSTANCES WILL MECHANICAL EQUIPMENT BE ALLOWED FOR PLANTING SHRUBS WITHIN THE EASEMENT.

15. REQUESTS FOR VARIANCE FROM THESE CROSSING GUIDELINES MAY BE SUBMITTED TO THE AUTHORITY'S BOARD OF DIRECTORS FOR CONSIDERATION ON A CASE-BY-CASE BASIS AND MUST: (i) PROVIDE AN EXPLANATION OF THE NEED FOR THE VARIANCE; (ii) BE IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES IN THE HOUSTON REGION; (iii) NOT CREATE AN UNREASONABLE RISK OF HARM TO THE GENERAL PUBLIC OR THE AUTHORITY'S FACILITIES; AND (iv) NOT UNREASONABLY RESTRICT OR INTERFERE WITH THE AUTHORITY'S EASEMENT OR FACILITIES, OR THE CONSTRUCTION, OPERATION OR MAINTENANCE OF THE AUTHORITY'S FACILITIES.



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GENERAL NOTES
FOR CROSSING GUIDELINES

SCALE: NTS	JOB #: 3487-03	DATE: FEB, 2017
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