

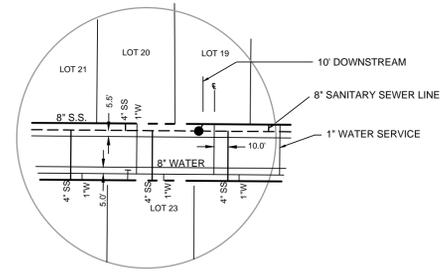
- NOTES:**
1. ALL WATER PIPE TO BE CLASS 200 PVC.
  2. CONTRACTOR TO LOCATE AND MARK SERVICES.
  3. ALL SEWER SERVICES TO BE 4" MIN. IN DIAMETER.
  4. RAVEN LINE ALL MANHOLES.
  5. GREEN EMS DISK TO BE INSTALLED ON THE SEWER LINE AT EVERY CHANGE IN DIRECTION, MANHOLE, CLEANOUT, AND SERVICE.
  6. BLUE EMS DISK TO BE INSTALLED ON THE WATER LINE AT EVERY CHANGE IN DIRECTION, FIRE HYDRANT, VALVE, AND SERVICE.

**WATER AND SANITARY SEWER SERVICE SUMMARY:**

PROPOSED WATER SERVICE ON PROPOSED LOT	30
EXISTING WATER SERVICE ON PROPOSED LOT	8
PROPOSED 1" IRR. SERVICE	1
<b>TOTAL WATER SERVICES</b>	<b>40</b>
PROPOSED SANITARY SEWER SERVICE ON PROPOSED LOT	26
EXISTING SANITARY SEWER SERVICE ON PROPOSED LOT	12
<b>TOTAL SANITARY SEWER SERVICES</b>	<b>38</b>

**LEGEND**

- Proposed water line and valve
- Proposed sanitary sewer and manhole
- Existing water line and valve
- Proposed storm sewer and inlet
- Proposed fire hydrant
- Existing fire hydrant
- Existing sanitary sewer line and manhole
- Proposed water service
- Proposed sanitary sewer service
- Existing water service
- Existing sanitary sewer service



**SERVICE LOCATION DETAIL**  
N.T.S.

- NTMWD NOTES-2**
- NORTH TEXAS MUNICIPAL WATER DISTRICT (NTMWD) 30-INCH WATER TRANSMISSION PIPELINE IS LOCATED WITHIN LIMITS OF CONSTRUCTION.
  - OPERATION OF HEAVY EARTHMOVING EQUIPMENT, COMPACTION EQUIPMENT OR HEAVY CONSTRUCTION EQUIPMENT, SUCH AS CONCRETE TRUCKS, SHALL BE RESTRICTED TO SPECIFIC CROSSING POINTS ACROSS NTMWD EASEMENTS, AS APPROVED BY THE NTMWD. THE CROSSINGS SHALL BE DESIGNATED AND VERIFIED TO PROVIDE A MINIMUM OF FIVE-FOOT OF COVER.
  - TO ASSURE THAT PLACING OF SIGNIFICANT LOADS OVER THE NTMWD PIPELINE DOES NOT DAMAGE THE EXISTING PIPELINE, NO MATERIALS SHALL BE STOCKPILED ON THE NTMWD EASEMENT, WITHOUT AUTHORIZATION FROM THE NTMWD. IF THE CONTRACTOR DESIRES TO USE THE NTMWD'S EASEMENT FOR STOCKPILE OF MATERIALS, CONTACT NTMWD ENGINEERING AT (972) 442-5405. SO YOUR PLANS FOR USE OF NTMWD'S EASEMENT CAN BE REVIEWED.
  - A MINIMUM OF THREE FEET SEPARATION BETWEEN THE BOTTOM OF THE PAVEMENT AND TOP OF NTMWD PIPELINE IS REQUIRED. IN ADDITION, IF SEPARATION BETWEEN THE BOTTOM OF THE PAVEMENT AND THE TOP OF THE PIPELINE IS LESS THAN 3.5 FEET, A THICKENED PAVEMENT SECTION IS REQUIRED.
  - CROSSING OF THE NTMWD EASEMENT WITH OTHER UTILITIES, SUCH AS TV, CABLE, PHONE, GAS AND ELECTRIC, SHALL BE COORDINATED WITH THE NTMWD TO AVOID DAMAGE TO THE NTMWD FACILITIES.
  - OUTDOOR LIGHTING, LANDSCAPING, SCREENING WALLS OR OTHER FACILITIES SHALL NOT BE INSTALLED IN NTMWD EASEMENTS WITHOUT WRITTEN APPROVAL OF THE NTMWD.
  - UNLESS OTHERWISE SHOWN OR REQUIRED A MINIMUM OF ONE-FOOT CLEARANCE SHALL BE PROVIDED FOR ALL UTILITIES CROSSING THE NTMWD PIPELINES.
  - \*THE CONTRACTOR SHALL CONTACT NTMWD ENGINEERING AT (972) 442-5405 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY WORK IN THE VICINITY OF THE NTMWD FACILITIES.

**NTMWD NOTE-1**  
FRANCHISED UTILITIES ARE NOT PERMITTED IN NTMWD EASEMENT EXCEPT FOR CROSSINGS.

**ALL STORM SEWER PIPE SHALL BE CLASS III REINFORCED CONCRETE PIPE.**

**NOTE:**  
FH ASSEMBLY INCLUDES  
1-8"X6" TEE  
1-6" GATE VALVE  
1-FH

**NOTE:**  
★ DENOTES LOTS WHERE  
EXISTING SEWER SERVICES  
ARE INSTALLED

**BENCHMARKS**

1. X-chiseled in CL of Alley East of Morningstar Drive within the third lot north of Midnight Pass. Elevation = 513.26
2. PK Nail in CL of Caruth Lane & Alley intersection 150 feet +/- east of Morningstar Drive. Elevation = 491.68

NO.	REVISIONS DURING CONSTRUCTION	BY	DATE

**AS-BUILT DRAWING**  
TO THE BEST OF JBI PARTNERS, INC. KNOWLEDGE HEREBY STATES THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON CONSTRUCTION STAKING AND PAD VERIFICATION AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.

*[Signature]*  
NAME

04-13-2015  
DATE

The seal appearing on this document was authorized by DANIEL DEWEY, P.E., 93961. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

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<b>WATER &amp; SANITARY SEWER PLAN</b>		PROJECT NO.
PHASE 7D		HOE132
Caruth Lakes Phase 7D		SHEET NO.
City of Rockwall, Texas		15

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