



Construction Note:
Prior to the asphalt overlay of Cypress Road the 39.0' water line crossing must be built and capped.

Construction Key Notes

- [A] Hot Tap and Gate Valve
- [B] Install Hydrant Assembly and 6" Gate Valve
- [C] Install 8" C-900 DR18 PVC Water Line
- [D] Install 6" M.J. Gate Valve
- [E] Install 8" M.J. Gate Valve
- [F] Install 8" X 6" Reducer
- [G] Install 11.25, 22.5, or 45 Degree Bends
- [H] Install 90 Degree Bend
- [I] Install 7" Thick Concrete Patch
- [J] Existing 4" Plastic Drain Pipe
- [K] Existing Manhole
- [L] Existing Sanitary Sewer
- [M] Existing 6" Gate Valve
- [N] Existing 6" Water Line
- [O] Existing Cart Path
- [P] Existing Drainage Swale
- [Q] Existing Wooden Rail Fence

Quantities

Hot Tap and Valve (6")	OK 1 EA
8" C-900 DR18 PVC Water Main	3399 3,420.0 LF
8" C153 11.25 Degree MJ Bend	OK 1 EA
8" C153 22.5 Degree MJ Bend	2 4 EA
8" C153 45 Degree MJ Bend	OK 4 EA
8" C153 90 Degree MJ Bend	3 2 EA
8" X 6" C153 MJ Reducer	OK 2 EA
6" One-Lok PVC Restraint	2 EA
8" One-Lok PVC Restraint	32 EA
Fire Hydrant	5 6 EA
6" Anchor Couplings 1-foot length	12 EA
8" X 6" C153 MJ Tee	6 EA
6" MJ Gaskets	26 EA
8" MJ Gaskets	34 EA
3/4" X 4" Cor-ten T-Head Bolts and Nuts	396 EA
6" MJ Gate Valve	OK 6 EA
8" MJ Gate Valve	OK 2 EA
8" MJ Sleeve (short)	4 EA
Valve Box w/ Lid	8 EA
12 AWG Tracer Wire (500' spools)	7 EA
3M Direct Bury Splice Kit	6 EA
Concrete (for thrust blocks)	4.0 CY
Granular Bedding and Fill (1/2" clean)	110 TON
Aggregate Backfill (Type 5)	18 TON
7" Concrete Patch for Pavement Cuts	10 CY
Silt Fence	2,000 LF
Lawn Area and Field Area Seed	280 LB
Fertilizer (1.2 Acres @ 600 lb/Ac)	720 LB
Mulch (2.5 bales/1000 sf X 52,000sf)	130 BALES

1. All Construction Shall Be In Accordance With City Standard Specifications.
2. Maintain 10' Horizontal And 18" Vertical Separation Between Water & Sewer Lines.
3. Water Line Shall Be Installed With A Minimum Cover of 42".
4. For Golf Course Maintenance Issues Contact Randy Lueder at (573) 335-0458.

Cypress Road 8" Water Line Extension

City of Cape Girardeau Engineering Department

Const. Completed
4-18-22

Revisions:	Date	Scale	Project Number
	March 17, 2021	1"=80'	W21001 20003