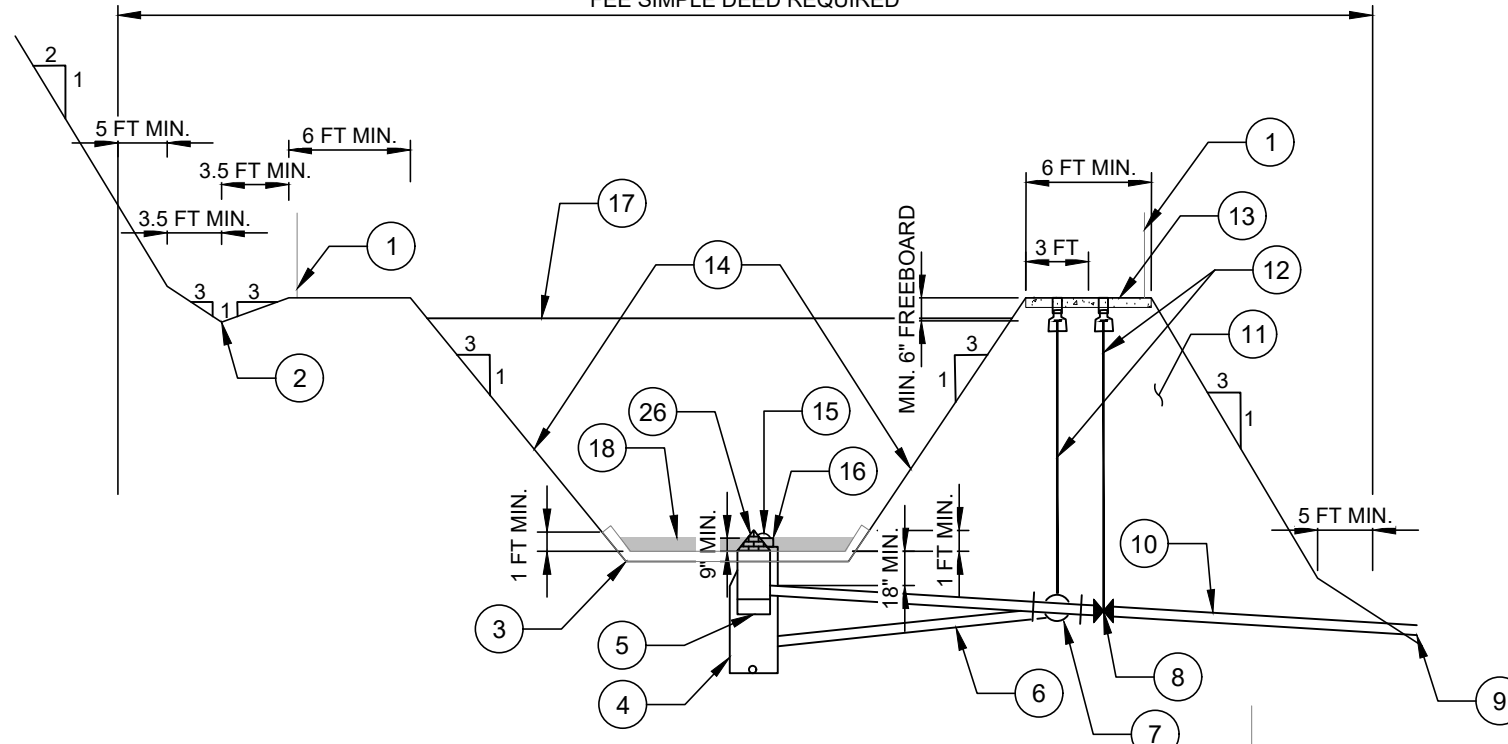
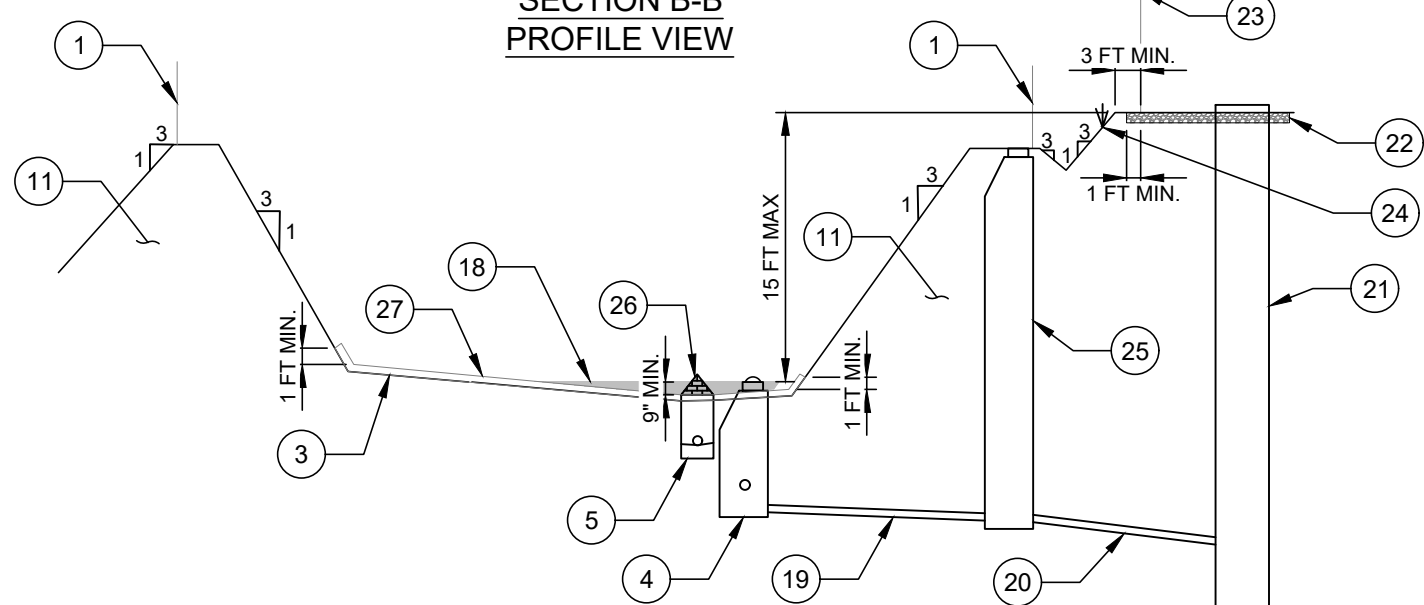


**SECTION A-A
PROFILE VIEW**

FEE SIMPLE DEED REQUIRED



**SECTION B-B
PROFILE VIEW**



- | NO. | DESCRIPTION: |
|-----|---|
| 1. | 4 FOOT SECURITY FENCE. |
| 2. | SURFACE DRAIN DITCH. |
| 3. | REINFORCED CONCRETE FLOOR - MIN. 4 INCHES THICK - FIBER REINFORCED. |
| 4. | SEWER OVERFLOW DISCHARGE MANHOLE. |
| 5. | 4 FT X 4 FT OVERFLOW BASIN RAINWATER DRAINAGE BOX (OR 4 FT DIA MANHOLE) - MATCH RIM ELEVATION 9 INCHES BELOW TOP OF DISCHARGE MANHOLE FRAME. |
| 6. | 8" RJ DIP SEWER DRAIN PIPE - 1.0 PERCENT MIN. SLOPE. |
| 7. | 12 X 12 X 8 RMJ TEE, 8 INCH OPEN LEFT SEWER GATE VALVE, (VALVE TO REMAIN CLOSED, AND IS ONLY TO OPENED TO DRAIN SEWER WATER BACK TO THE PUMP STATION, AFTER AN OVERFLOW EVENT), 8" RMJ 90 DEG BEND, 8" RJ DIP SEWER DRAIN PIPE. |
| 8. | 12" OPEN LEFT RAINWATER GATE VALVE. |
| 9. | FLARED END SECTION AND RIP RAP APRON - 25 SQ FT MIN. |
| 10. | 12" RJ DIP RAINWATER DRAIN PIPE - 1.0 PERCENT MIN SLOPE. |
| 11. | STRUCTURAL FILL CONTAINMENT BERM. |
| 12. | VALVE BOX ASSEMBLY AND VALVE EXTENSION STEM. |
| 13. | REINFORCED CONCRETE PAD - 6 FT X 6 FT X 6 IN. |
| 14. | BERMUDA SOD OR ESTABLISHED TURF - BARE SPOTS ARE PROHIBITED. |
| 15. | BEEHIVE SEWER OVERFLOW GRATE. |
| 16. | SEWER OVERFLOW RIM ELEVATION SHALL NOT BE MORE THAN 15 FEET BELOW THE PUMP STATION FENCED SITE ELEVATION. |
| 17. | SEWER OVERFLOW CONTAINMENT BASIN FULL POND ELEVATION - EXCLUDE THE RAINWATER STORAGE CAPACITY FROM THE CONTAINMENT BASIN VOLUME CALCULATIONS. |
| 18. | RAINWATER STORAGE CAPACITY - MUST BE GREATER THAN 1.5 INCH OF RAIN OVER THE AREA INSIDE OF THE SECURITY FENCE. |
| 19. | SEWER MIN. 0.60% SLOPE - DIP. |
| 20. | SEWER MIN. 2.0% SLOPE - DIP. |
| 21. | PUMP STATION WET WELL. |
| 22. | GRAVEL. |
| 23. | 8 FOOT SECURITY FENCE. |
| 24. | OPTIONAL SHRUBBERY. |
| 25. | SEWER COLLECTION SYSTEM MANHOLE. |
| 26. | ALUMINUM OR GALVANIZED STEEL RAINWATER TRASH RACK. |
| 27. | FLOOR SLOPE - 0.25 INCH PER FOOT. |

CHARLOTTE WATER
A CITY OF CHARLOTTE DEPARTMENT

STANDARD DETAILS
SEWER LIFT STATION

**OPEN EARTH SEWER OVERFLOW
CONTAINMENT BASIN DESIGN**

NO SCALE
VERSION 1.0
DATE 04/2024
DETAIL 13.17