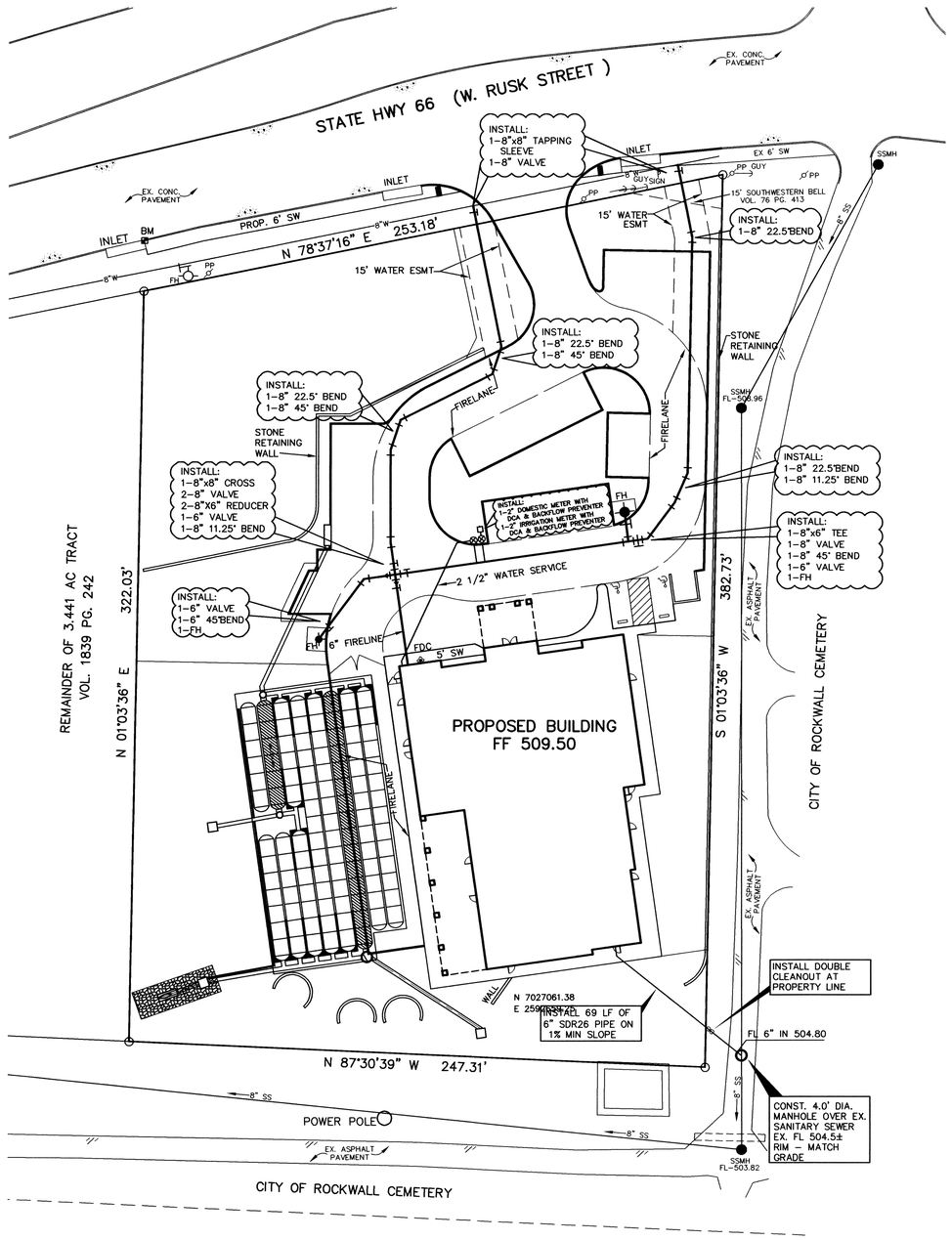
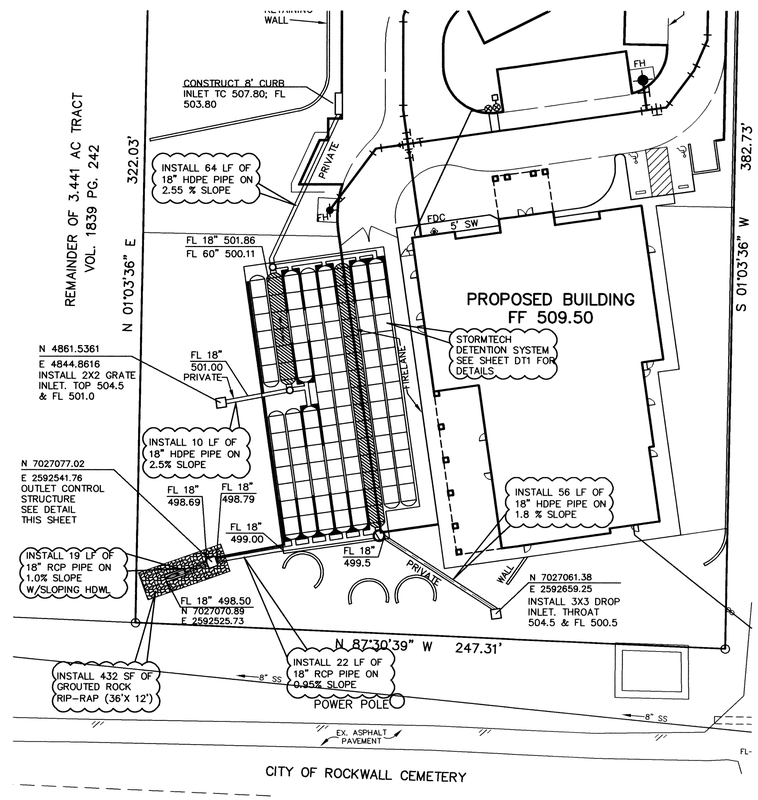
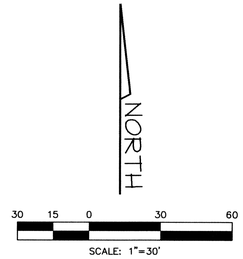
CAUTION:
CONTRACTOR TO VERIFY LOCATION OF UTILITIES BEFORE DIGGING.
CALL: 800-344-8377







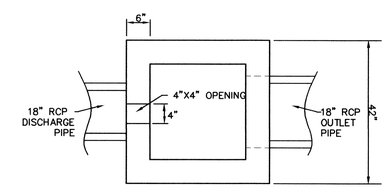
GENERAL NOTES

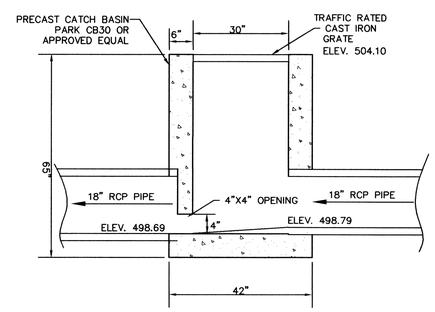
1. All work shall be in accordance with these plans, City of Rockwall Standards and NCTCOG 3rd Edition.
2. Two year maintenance bonds on water and sewer to be furnished by the contractor.
3. Engineering department is to be notified 48 hours prior to any construction.
4. All water lines to have 42 inch minimum cover or as required to clear other utilities.
5. Water mains shall be Class 200 PVC, DR-14, sizes 4" to 15".
6. Fire hydrants shall be Mueller No. 24015 or equal.
7. Manhole rings and covers shall be 400# or bolt on.
8. Contractor shall use PVC SDR 26 Sewer pipe. PVC pipe shall have a maximum deflection of 5% (as per City of Rockwall Specifications.)
9. Valves shall be resilient seat gate valves.
10. Trench excavation for trenches 5 feet or more in depth shall be in accordance with all provisions of Part 1926, Subpart P – Excavations, Trenching and shoring of the Occupational Safety and Health's Standards and Interpretations. It shall be the responsibility of the Contractor to conform to the above stated provisions and to supply Trench Safety Plans if required by the City.
11. The locations of all utilities indicated on the plans are taken from available public records. The exact location and depth of all utilities indicated must be determined by the Contractor. It shall be the duty of the Contractor to ascertain whether any additional facilities other than those shown on the plans may be present.
12. It shall be the responsibility of the Contractor to protect all existing utilities in the construction of this project. Any utilities damaged during the construction of this project shall be repaired at the Contractor's expense.
13. All Reinforced Concrete Pipe shall be Class III.
14. Megalugs at all change in direction
15. Blue EMS locator pads to be installed on the waterline at every bend, service, and valve.
16. Fire hydrants shall have 5' clearance around, and min 3' from back of curb.
17. Water and Sanitary Sewer service lines indicated on this plan are schematic in nature. Contractor / Plumber shall verify location of utilities exiting building prior to installation of service line from meter or main line.
18. All storm drain inlets (domed or standard) shall be Nyloplast brand or approved equal.

DISCHARGE CALCULATIONS

PROPOSED 4" X 4" OPENING – AREA 0.11 SF

$Q=CA\sqrt{2gH}$
$Q=(0.7)(0.11)\sqrt{(2)(32.2)(4.83)}$
$Q=1.3$ cfs





OUTLET CONTROL STRUCTURE

NTS

RECORD DRAWING

IMPROVEMENTS INDICATED ON THESE PLANS WHERE REVISED IN ACCORDANCE WITH THE ASBUILT SURVEY PERFORMED BY JAMES ANDERSON AND PROVIDED TO BENTLEY ENGINEERING, INC. ON 02/14/14.

DATE: FEBRUARY 19, 2014

BENCHMARK: NORTHWEAST CORNER OF CURB INLET SOUTH SIDE OF W RUSK ST. INLET LOCATED NORTH OF THE NORTHWEST PROPERTY CORNER.

ELEV. 501.54

Bentley
1855 EMERALD BAY
ROCKWALL, TEXAS 75087
PH.214.797.1406
ENGINEERING, INC.
FIRM REG NO. 674

STATE OF TEXAS
MARC O. BENTLEY
64980
LICENSED PROFESSIONAL ENGINEER
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MARC O. BENTLEY, P.E. NO. 64980 ON 03/02/13

WATER, SEWER, STORM PLAN

CHILDREN'S PARK
CITY OF ROCKWALL, TEXAS

RECORD DRAWING

No.	Date	Revision

Scale:	1"=30'
File Name:	ROSESITE
Date:	DEC 2012
Project No.:	2012109

Sheet
C4

X:\projects\2012\2012109\rosesitenew.dwg Wed Feb 19 19:16:32 2014