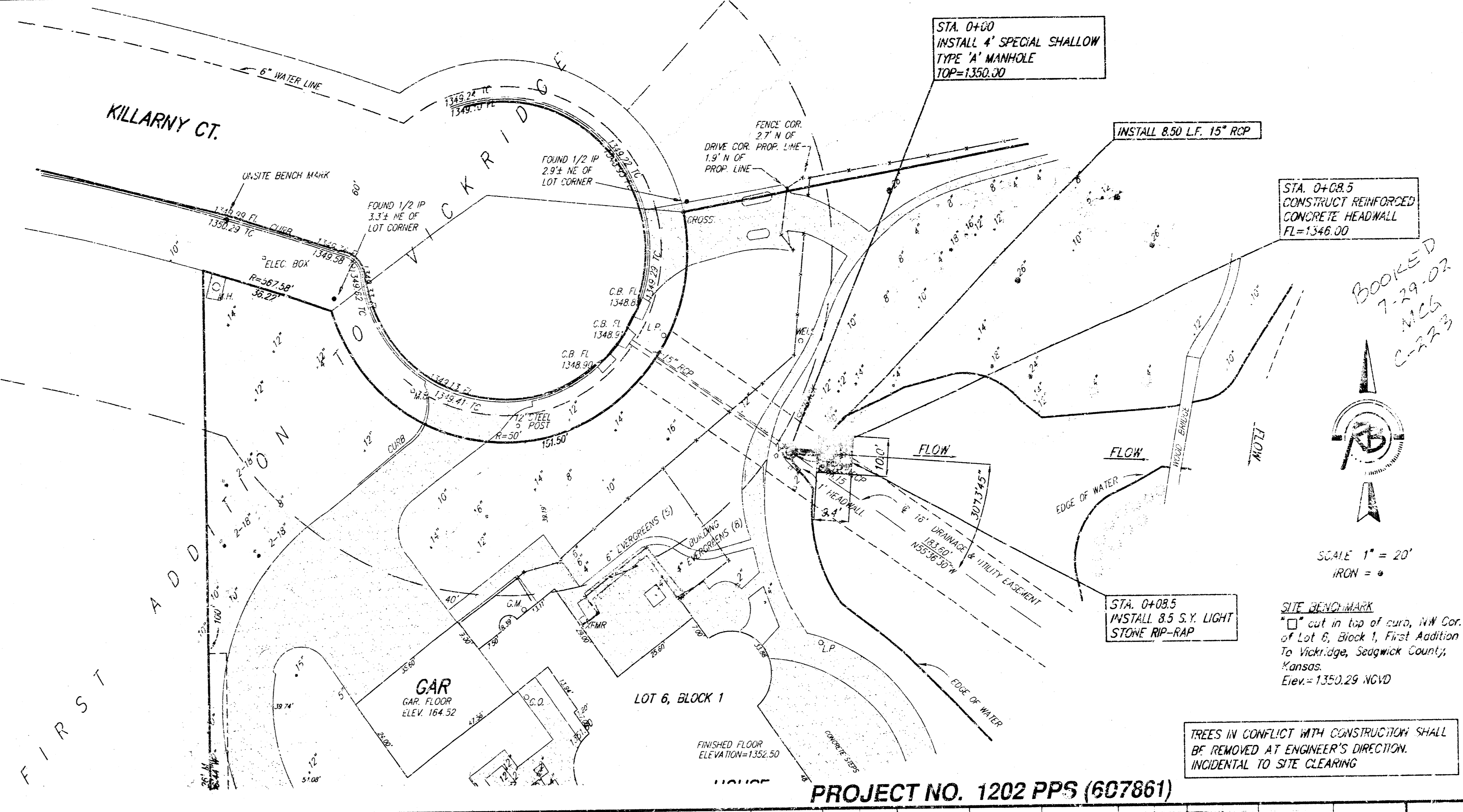


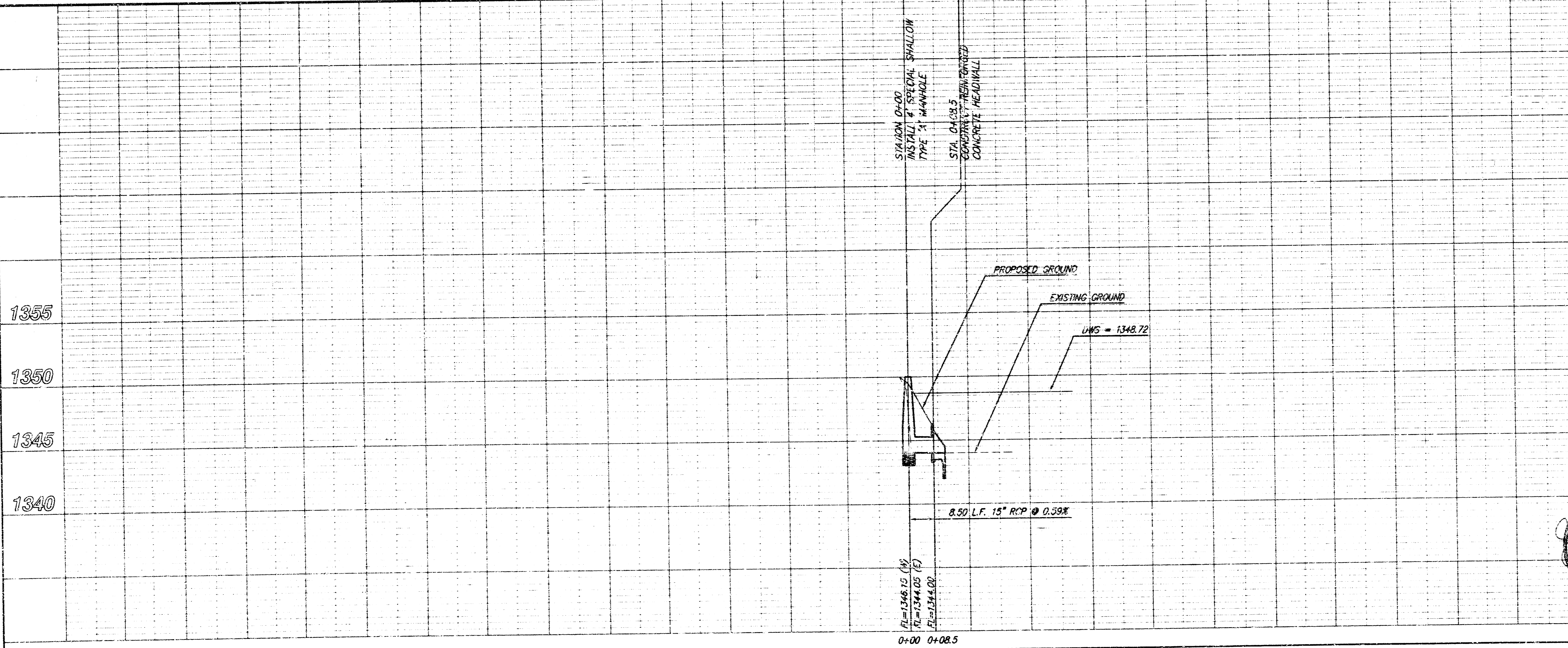
SPECIAL SHALLOW TYPE "A" MANHOLE

| BAR | NUMBER | LENGTH | SHAPE | WEIGHT |
|------------------|--------|--------|-------|--------|
| a1 | 1 | 5'0" | U | 3.34 |
| a2 | 1 | 5'3" | U | 3.51 |
| a3 | 1 | 5'8" | U | 3.79 |
| a4 | 1 | 6'1" | U | 4.06 |
| a5 | 1 | 7'2" | U | 4.79 |
| b | 5 | 5'6" | U | 18.37 |
| c | 1 | 4'0" | U | 2.67 |
| d | 2 | 4'0" | U | 5.34 |
| e | 1 | 3'2" | U | 2.12 |
| Total Rebar, lbs | | | | 47.99 |
| Concrete, C.Y. | | | | 0.91 |

HEADWALL FOR 15" PIPE



PROJECT NO. 1202 PPS (607861)

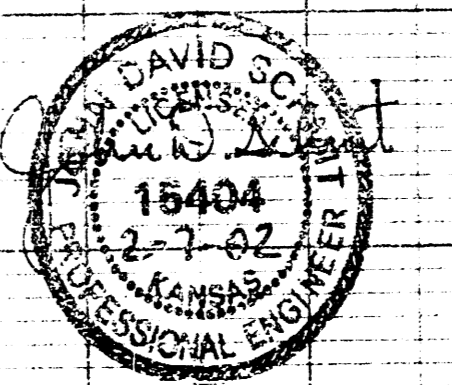


APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

Sanitary Sewers _____
Storm Sewers VRH 2/7/02
Driveway Approaches _____
Water Mains _____
Paving _____

NOTE TO CONTRACTORS
Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

Inspector: Tim Kelly, Ruggles & Bohm, P.A.
Engineer: John Schmit, P.E., Ruggles & Bohm, P.A.
Contractor: Mike Caro Construction
Built per plan
Date of construction: 2-21-02
As-built: 5-29-02 JDS



Ruggles & Bohm, P.A.
Engineering, Surveying, Land Planning
824 North Main
Wichita, Kansas 67208
www.rbcna.com

PROJECT NUMBER: 1202 PPS (607861)
 DATE: 2/11/02
 UNIT: 21130 - Appro
 SHEET: 1 OF 1
 DATE: 1-27-02
 PROJECT: LOTS 5 & 6, FIRST ADD. TO VICKRIDGE SWS EXTENSION WICHITA, KANSAS