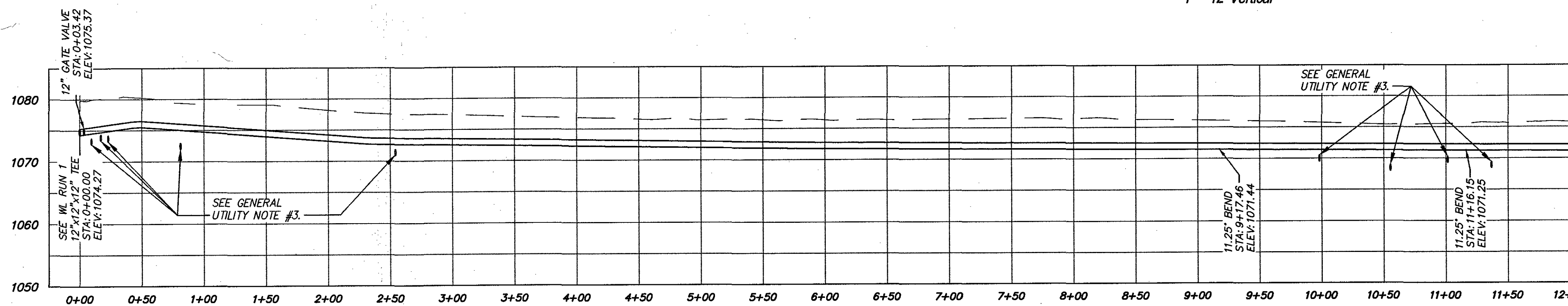
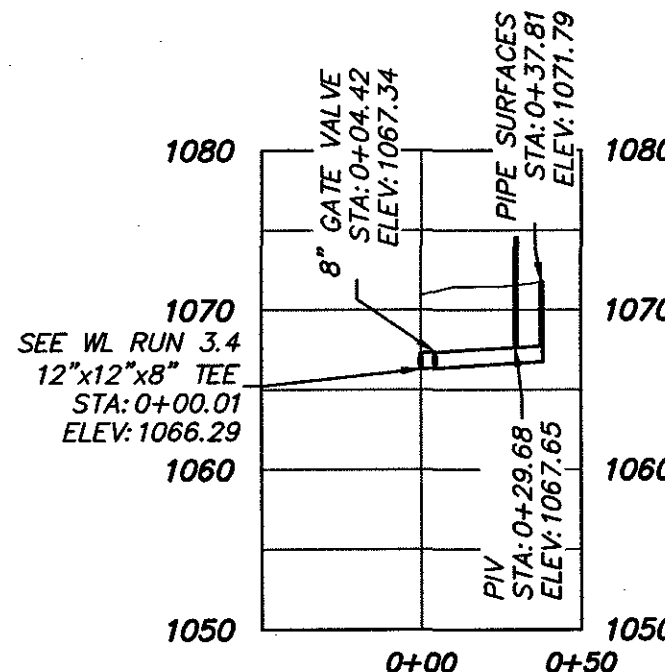


- GENERAL UTILITY NOTES:**
1. THE LOCATION, DEPTH, AND ALIGNMENT OF EXISTING UNDERGROUND UTILITIES IS BASED UPON VISUAL FIELD FEATURES AND AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE. THERE MAY BE UTILITIES WHICH AFFECT THE PROPERTY NOT SHOWN HEREON. CONTRACTOR SHALL CALL "MISS UTILITY" TO VERIFY LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
 2. CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO WVWA AND ROANOKE COUNTY STANDARDS.
 3. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION AND INVERTS OF ALL EXISTING MANHOLES, GAS LINES, AND OTHER UTILITY LINES. UTILITIES SHOWN ON PLAN BASED ON OLD UTILITY PLANS AVAILABLE FROM KOPPERS.
 4. CONTRACTOR TO COORDINATE WITH SALEM UTILITY COMPANIES FOR SERVICE LINES.
 5. CONTRACTOR SHALL USE CAUTION DURING CONSTRUCTION TO NOT DISTURB EXISTING UTILITIES TO REMAIN. ANY DAMAGE TO REMAINING UTILITIES SHALL BE REPAIRED.
 6. ALL NEW UTILITIES TO BE INSTALLED UNDERGROUND.

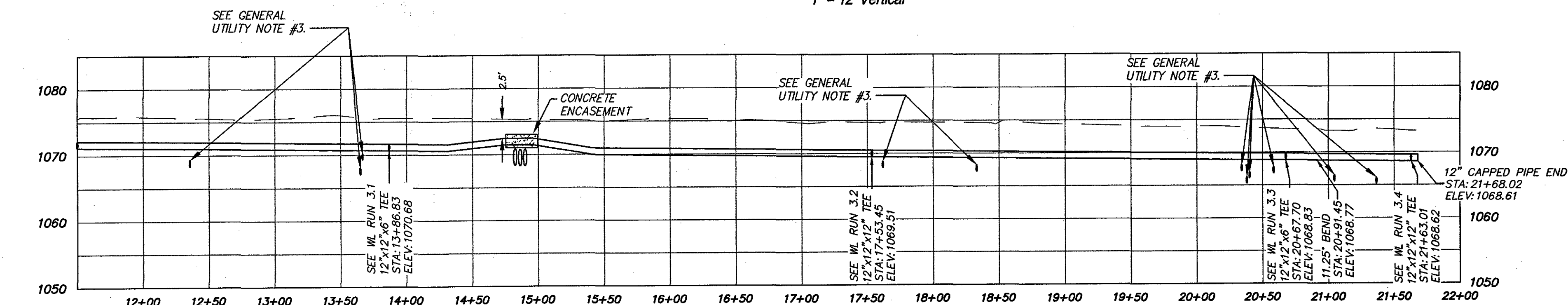
- WATERLINE NOTES:**
- WL#1: CONTRACTOR SHALL COORDINATE WITH WVWA PRIOR TO CONSTRUCTION.
- WL#2: CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING 8" WATER LINE PRIOR TO CONSTRUCTION. (ASSUMED 4.0' DEPTH).
- WL#3: MAINTAIN MINIMUM 3.0' COVER ON PROPOSED WATER LINE.

- SITE UTILITY LEGEND**
- PROPOSED FIRE HYDRANT, WITH 4 SURROUNDING BOLLARDS, (W-17")
 - PROPOSED TEE. SEE PROFILES FOR SPECIFIC SIZES.
 - PROPOSED 12" NPS HDPE, DRISCOPEX 1500 (OR APPROVED EQUAL), SEE WATERLINE PROFILE.
 - PROPOSED 8" NPS HDPE, DRISCOPEX 1500 (OR APPROVED EQUAL), SEE WATERLINE PROFILE.
 - PROPOSED DOMESTIC 4" NPS HDPE, DRISCOPEX 1500 (OR APPROVED EQUAL), SEE WATERLINE PROFILE.
 - EXISTING WATER VAULT MODIFIED W/ 8" FIRE SERVICE AND DOMESTIC SERVICE (SIZED BY FUTURE COUNTS SHEET AND INDUSTRIAL DEMAND), (W-7")
 - PROPOSED AMERICAN POST INDICATOR VALVE (OR APPROVED EQUAL), WITH 4 SURROUNDING BOLLARDS.
 - PROPOSED 12"x6" HDPE REDUCER FITTING.

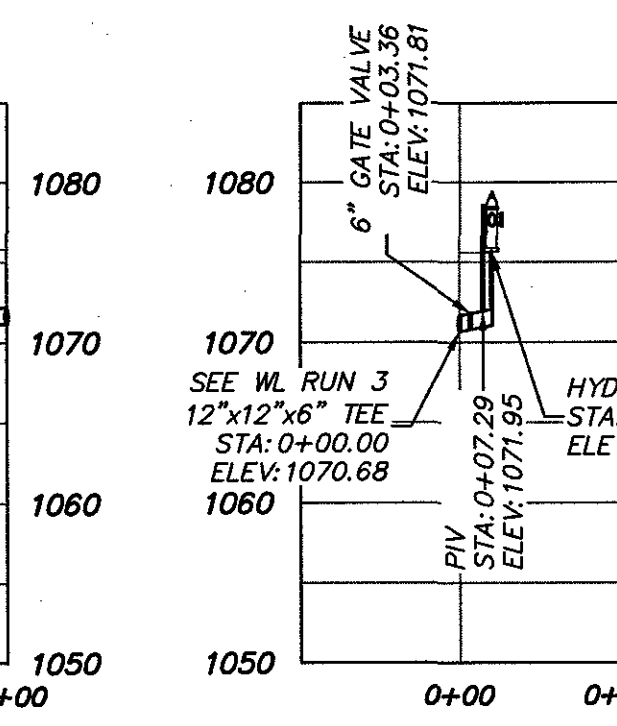
WATERLINE RUN 3.5 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



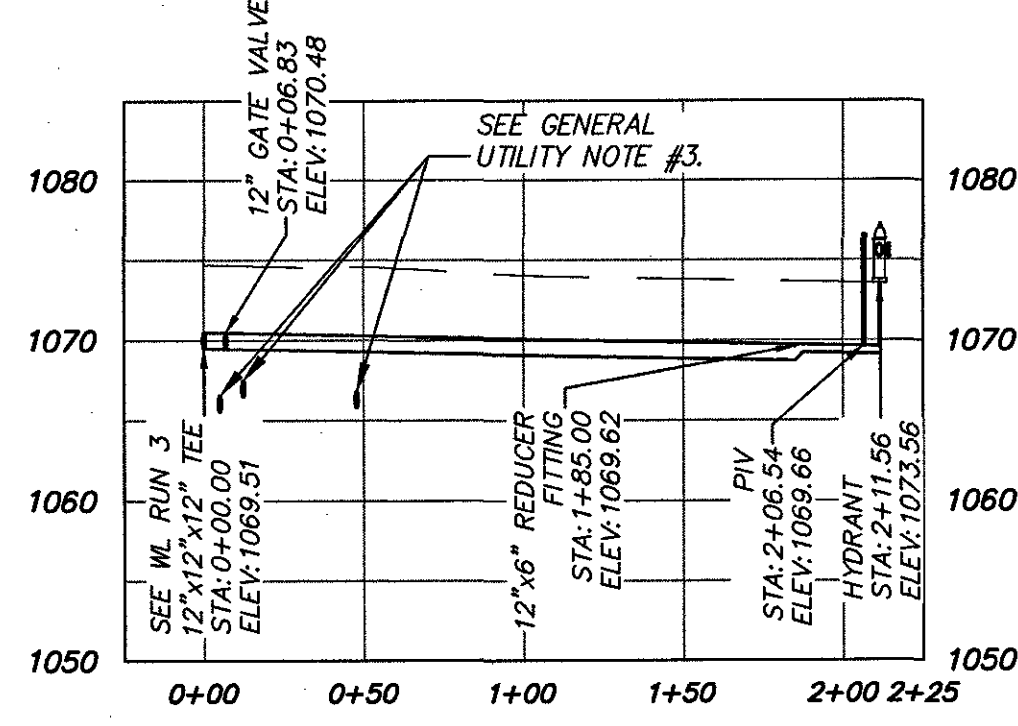
WATERLINE RUN 3 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



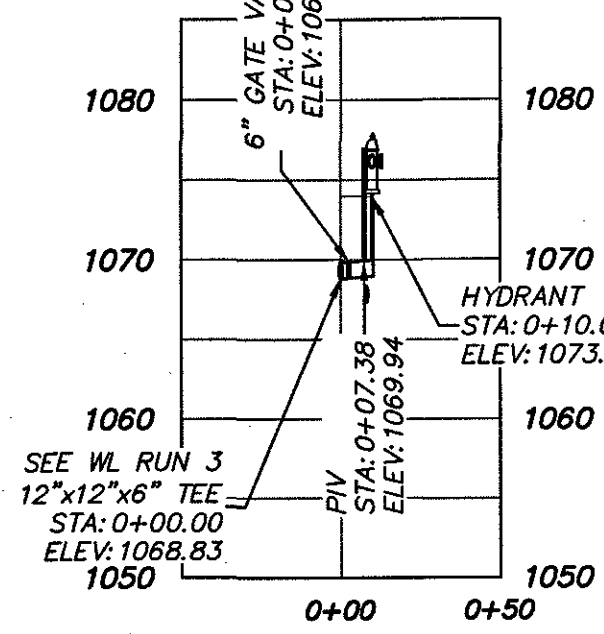
WATERLINE RUN 3 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



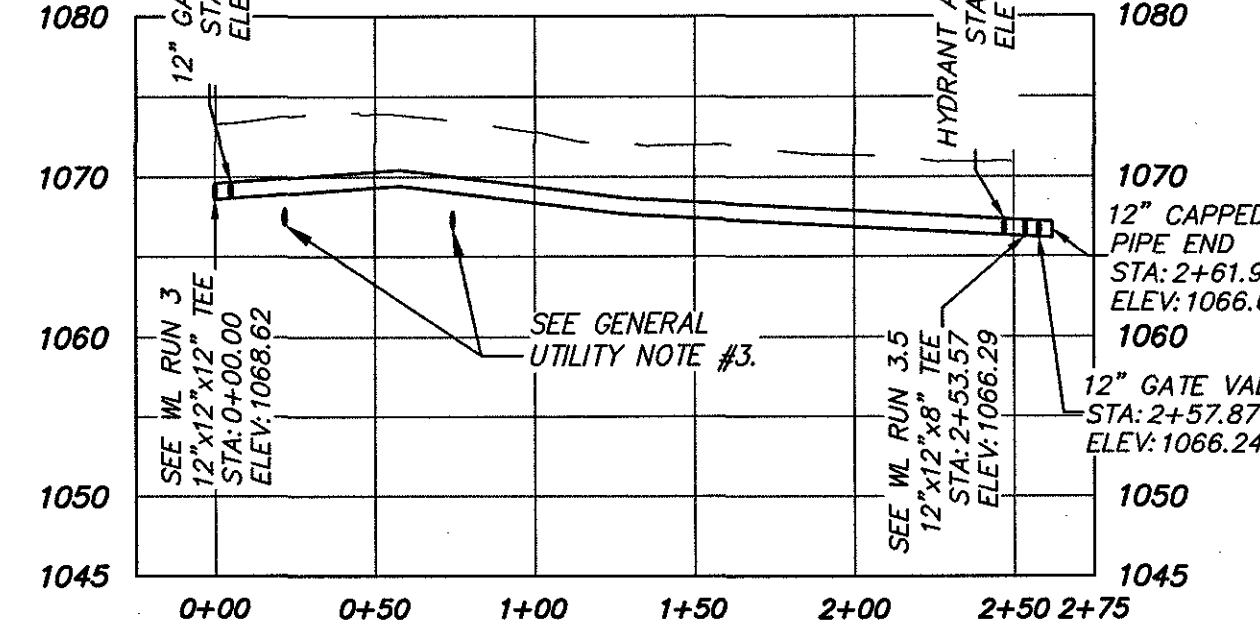
WATERLINE RUN 3.1 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



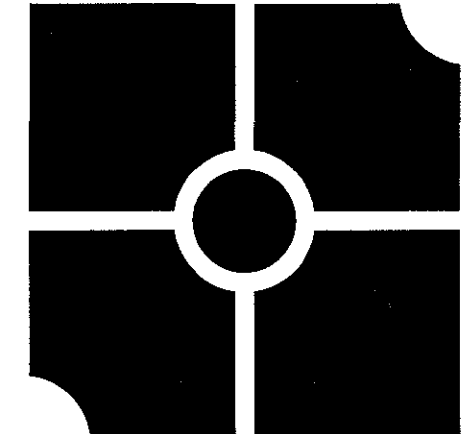
WATERLINE RUN 3.2 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



WATERLINE RUN 3.3 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



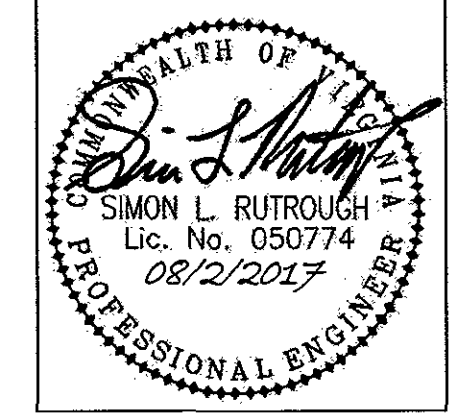
WATERLINE RUN 3.4 PROFILE
1" = 60' Horizontal
1" = 12' Vertical



parker
DESIGN GROUP

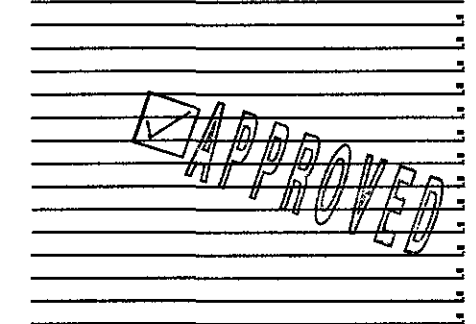
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Koppers Waterline Extension, Inc.
for Koppers Industries, Inc.
4020 Koppers Road
Catawba Magisterial District
Roanoke County, Virginia

REVISIONS:



DESIGNED BY: JPA
DRAWN BY: JPA
CHECKED BY: SLR
SCALE: AS SHOWN
DATE: 07 April 2017

SHEET TITLE:
WATERLINE RUN 3 LAYOUT & PROFILES

C06
06 OF 09
PROJECT NUMBER:
16-0151-03