

GENERAL NOTES:

1. THIS PLAN WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT. THEREFORE THERE MAY BE ENCUMBRANCES NOT SHOWN HEREON.
2. THE SUBJECT PROPERTY IS WITHIN THE LIMITS OF ZONE "X" AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP PANEL NO. 51125C0140 B, EFFECTIVE DATE: JUNE 18, 2010. THIS DETERMINATION IS BASED ON SAID MAP AND HAS NOT BEEN VERIFIED BY ACTUAL FIELD ELEVATIONS.
3. THE PLAN WAS PREPARED FROM A PARTIAL FIELD SURVEY BY PARKER DESIGN GROUP. THIS PARTIAL TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF ALAN CLEMENS, L.S., AND SIMON L. RUTROUGH, P.E., FROM AN ACTUAL GROUND SURVEY MADE UNDER THEIR SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED APRIL 8, 2016, AND THAT THIS PLAT, MAP OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS THE MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
4. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS BASED UPON VISIBLE FIELD FEATURES AND AVAILABLE RECORDS FROM KOPPERS. THE LOCATION SHOWN SHOULD BE CONSIDERED APPROXIMATE. THERE MAY BE UTILITIES WHICH AFFECT THE PROPERTY NOT SHOWN HEREON. CONTRACTOR SHALL HAVE UTILITIES MARKED PRIOR TO CONSTRUCTION AND ANTICIPATE ENCOUNTERING ABANDONED UTILITIES.
5. ELEVATIONS SHOWN ARE ON NAVD '88 DATUM, ESTABLISHED BY TWO (2) GPS POINTS, AND ELEVATION DIFFERENCE VERIFIED IN THE FIELD. EXISTING CONTOURS SHOWN ARE AT 2.0' INTERVALS.
6. ALL UTILITIES SHOWN ARE PRIVATE UTILITIES UNLESS OTHERWISE NOTED ON THE PLANS.

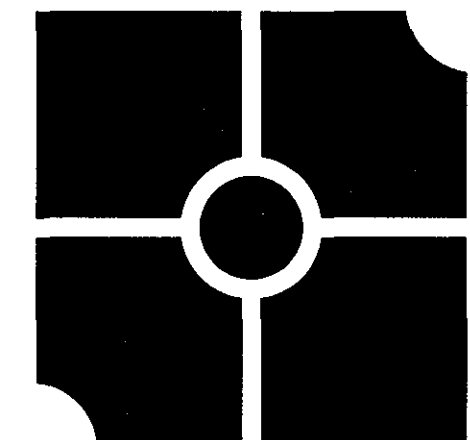
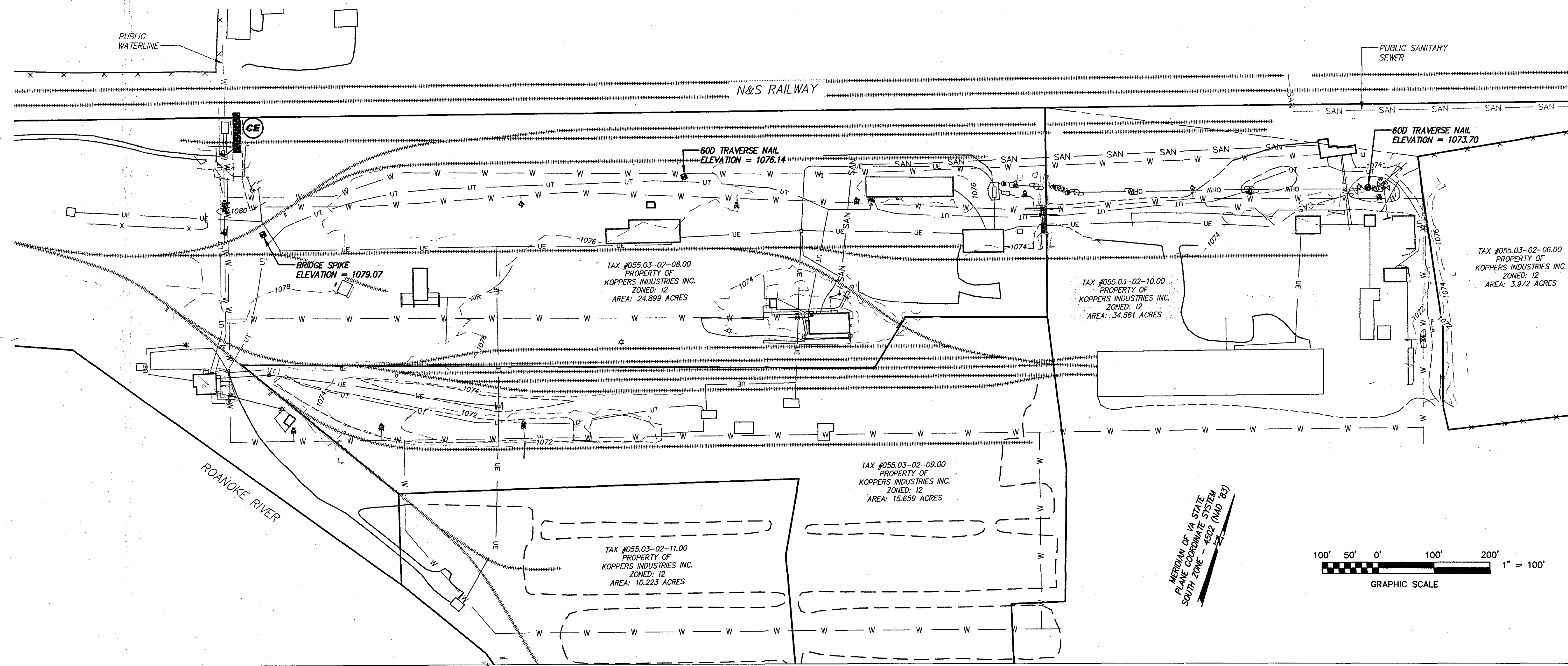
EROSION AND SEDIMENT CONTROL MEASURES:

PROVIDE THE FOLLOWING:

- CE CONSTRUCTION ENTRANCE MEETING VA ESCH STD. & SPEC. 3.02
- SF SILT FENCE MEETING VA ESCH STD. & SPEC. 3.05
- TO TOPSOILING MEETING VA ESCH STD. & SPEC. 3.30
- TS TEMPORARY SEEDING MEETING VA ESCH STD. & SPEC. 3.31
- DC DUST CONTROL MEETING VA ESCH STD. & SPEC. 3.39

INITIAL EROSION AND SEDIMENT CONTROL MEASURES / CONSTRUCTION SEQUENCE:

- CONSTRUCTION WILL BE SEQUENCED TO INSTALL INITIAL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO DEMOLITION.
- CONTRACTOR SHALL INSTALL CONSTRUCTION ENTRANCE AS SHOWN ON PLANS. CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION ENTRANCE PER VA ESCH STD. & SPEC 3.02.
 - AFTER THE INITIAL MEASURES ARE INSTALLED, THE CONTRACTOR MAY BEGIN CONSTRUCTION.
 - TOPSOIL STOCKPILING IS NOT ANTICIPATED FOR THIS PROJECT. IF REQUIRED, SUITABLE LOCATIONS ARE TO BE DETERMINED BY THE CONTRACTOR. SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF THE STOCKPILE. TEMPORARY SEEDING MEASURES APPLY TO STOCKPILES.
 - THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING PERIMETER EROSION AND SEDIMENT CONTROL MEASURES AROUND THE SITE. ANY PERIMETER EROSION CONTROL MEASURES THAT ARE DAMAGED SHALL BE REPAIRED TO CONTROL SEDIMENT LADEN RUNOFF FROM ENTERING ADJACENT PROPERTIES AND/OR STREAMS AND SWALES.
 - IN ANY AREAS WHERE SEDIMENT LADEN WATER IS BEING PUMPED FROM A LOCATION, THE PUMPED RUNOFF SHALL BE FILTERED THROUGH A "FILTER BAG" BEFORE BEING RELEASED.
 - THE CONTRACTOR SHALL KEEP MATERIALS AND EQUIPMENT ON-SITE TO KEEP DUST LEVELS AT A MINIMUM.
 - THE CONTRACTOR SHALL MAINTAIN THE EROSION AND SEDIMENT CONTROL MEASURES AS IDENTIFIED UNDER THE "MAINTENANCE" SECTION OF THIS DOCUMENT.
 - ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VA ESCH).
 - ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE DEVELOPMENT UNTIL FINAL STABILIZATION IS REACHED.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE LOCAL AUTHORITY.
 - THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES SHALL BE MADE IMMEDIATELY.



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

REVISIONS:

APPROVED

DESIGNED BY: JPA
DRAWN BY: JPA
CHECKED BY: SLR
SCALE: 1" = 100'
DATE: 07 April 2017

SHEET TITLE:
EXISTING
CONDITIONS &
INITIAL ESC PLAN

C02
02 OF 09
PROJECT NUMBER:
16-0151-03