CONSTRUCTION ENTRANCE WITH DITCH

WITH ENHANCED CONTROLS

SLOPE DIRECTION

CULVERT AS NEEDED

CULVERT/ WATERBAR

UTILITY POLE

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE

E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

ORANGE SAFETY FENCE

TYPICAL BIC SLOPE CATEGORY

ROADSIDE DITCH

SOIL TYPE

30-58% SLOPE INCLINATION

00

E517

GROUP ID DRAWING NO.

AR-517

-G—— EXISTING GAS PIPELINE ———— SAN———— SANITARY SEWER

PROPOSED GAS PIPELINE PROPOSED GAS PIPELINE (NO GROUND SURVEY)

____ OVERHEAD UTILITY LINES .

ACCESS ROAD

TYPICAL BIC SLOPE CATEGORY

30-58% SLOPE INCLINATION

DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

13. THE CONSTRUCTION RIGHT-OF-WAY (ROW) WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH SECTION V.A.5 FEDERAL ENERGY REGULATORY COMMISSION (FERC) UPLAND EROSION CONTROL, REVEGETATION, AND MAINTENANCE PLAN, SECTION V.A.5. IN ADDITION, WETLAND AND WATERBODY CROSSINGS WILL BE RESTORED TO PRE-CONSTRUCTION CONTOURS IN ACCORDANCE WITH NATIONWIDE PERMIT 12 (NWP) ISSUED BY THE U.S. CORPS OF ENGINEERS.

AR-518

CULVERT AS NEEDED

CULVERT/ WATERBAR

NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE

E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12).

ACCESS ROAD

PROPOSED PERMANENT EASEMENT

PROPOSED GAS PIPELINE PROPOSED GAS PIPELINE (NO GROUND SURVEY)

LL-09-049 PARCEL I.D. # 135---5 1078 LF

ACCESS ROAD DETAIL 32

PERMANENT WATERBAR/SLOPE BREAKER ——— LOD ——— LIMIT OF DISTURBANCE TEMPORARY WATERBAR/SLOPE BREAKER BELTED SILT RETENTION _ _ _ _ _ _ _ _ STORM SEWER FENCE (BSRF) TRENCH BREAKER/PLUG **EXTRA WORK SPACE TOPSOIL SEGREGATION AREA** _____ UNDERGROUND ELECTRIC COMPOST FILTER SOCK STREAM CROSSING 111.03 SEDIMENT BARRIER IDENTIFICATION PROPOSED TEMPORARY R.O.W. **USFWS STREAM CROSSING** C 111.001 CULVERT IDENTIFICATION AREA OF NO DISTURBANCE WITH ENHANCED CONTROLS ORANGE SAFETY FENCE -G - SAN-SANITARY SEWER ROADSIDE DITCH UTILITY POLE SLOPE DIRECTION ____ OVERHEAD UTILITY LINES . SOIL TYPE CONSTRUCTION ENTRANCE WITH DITCH CULVERT AS NEEDED ACCESS ROAD TYPICAL BIC SLOPE CATEGORY PROPOSED PERMANENT EASEMENT NOTE: THE PE SEAL AND SIGNATURE APPLIES ONLY TO THE 30-58% SLOPE INCLINATION CULVERT/ WATERBAR E&S CONTROL DESIGN COMPLETED BY ERM (SEE NOTE 12). PROPOSED GAS PIPELINE PROPOSED GAS PIPELINE (NO GROUND SURVEY)

NOTES:1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
CONTOURS AND TOPOGRAPHIC FEATURES WERE DERIVED FROM LIDAR DATA AND GPS SUB-METER GROUND SURVEY PERFORMED BY GAI CONSULTANTS, INC FROM 11-03-2014 THRU
11-07-2014.

11-07-2014.

3. IMAGERY TAKEN FROM GOOGLE EARTH.

4. THE PROPERTY LINES SHOWN ARE BASED ON GIS & TAX ASSESSMENT RECORDS (PROVIDED BY OTHERS). GAI CONSULTANTS MAKE NO GUARANTEE EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE RECORDS AS SHOWN ON THESE DRAWINGS.

5. STREAM AND WETLAND DATA SHOWN ON THE DRAWINGS WAS PROVIDED BY ERM.

6. EROSION AND SEDIMENTATION CONTROL ELEMENTS MAY BE SHOWN OUTSIDE OF THE WORK AREAS FOR CLARITY ONLY. ACTUAL INSTALLATION SHALL BE WITHIN THE WORK AREAS.

7. ALL STATIONING SHOWN IS SLOPE STATIONING.

8. SILT FENCE AND FILTER SOCK SHALL BE INSTALLED PARALLEL TO CONTOUR TO EXTENT PRACTICABLE IN ACCORDANCE WITH STANDARD DETAIL

9. BEST IN CLASS (BIC) STEEP SLOPE CATEGORY INFORMATION CAN BE FOUND IN THE APPENDIX OF THE STORMWATER POLLUTION PREVENTION PLAN.

10. EROSION CONTROL MATTING SHALL BE PLACED IN AREAS OF 30% SLOPE AND GREATER, WHICH ARE INDICATED ON THE BEST IN CLASS STEEP SLOPES BAND.

11. ACCESS ROADS HAVE BEEN GROUPED INTO FOUR CATEGORIES - 1) EXISTING ROADS NO IMPROVEMENTS, 2) EXISTING ROADS MINOR IMPROVEMENTS, 3) EXISTING ROADS MAJOR IMPROVEMENTS AND 4) NEW ROADS. APPROPRIATE EROSION AND SEDIMENT CONTROLS WILL BE PROVIDED FOR ROADS IN CATEGORIES 2, 3 AND 4. ROADS IN CATEGORIES 1 AND 2 HAVE ADEQUATE EXISTING DRAINAGE; DRAINAGE; BEATURES WILL BE PROVIDED FOR ROADS IN CATEGORIES 3 AND 4.

12. *ERM IS SOLELY RESPONSIBLE FOR THE NATURE AND LOCATION OF THE DEPICTED BMPS AS OF THE DATE SIGNED AND SEALED BASED ON THE SOURCE DATA PROVIDED AND AS DESCRIBED IN THE NOTES SECTION OF THE INDEX SHEET OF THIS PLAN SET.

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PROJECT NO./DASH NO. 140468 TASK NO. SUB TASK NO 00 GROUP ID DRAWING NO. E519 AR-519

SCALE: AS SHOWN

gai consultants

6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724-873-3545

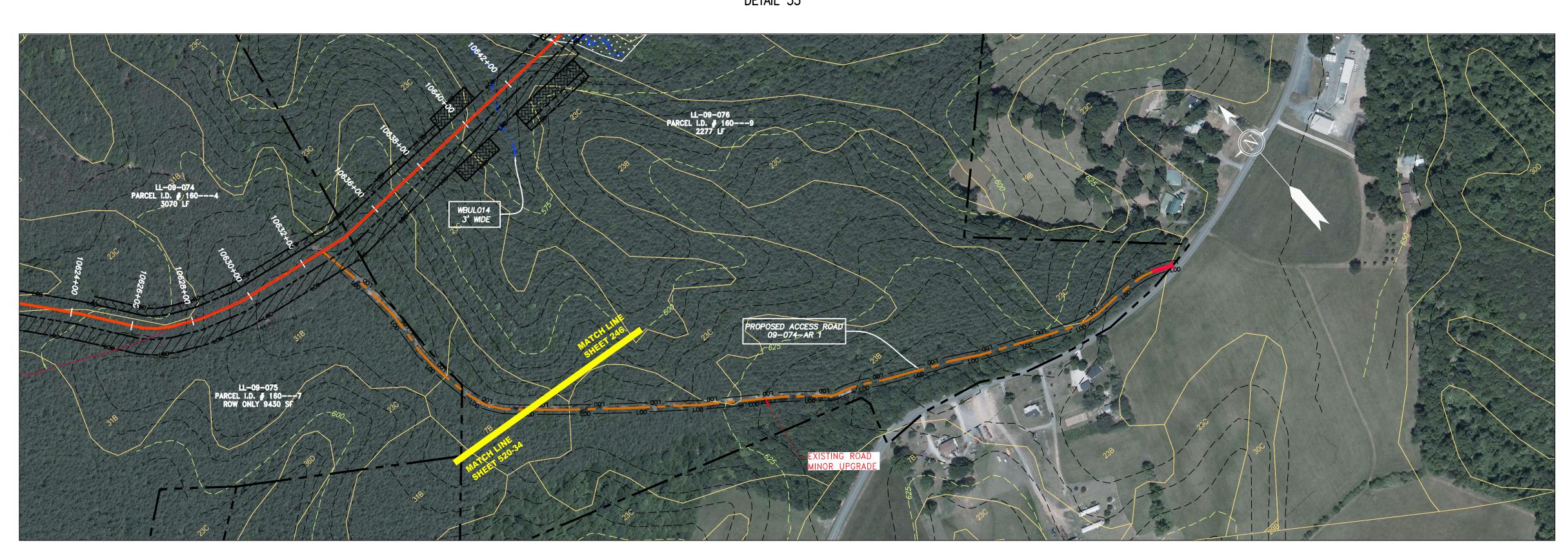
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CHECKED: **DLH**

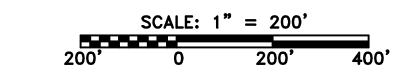
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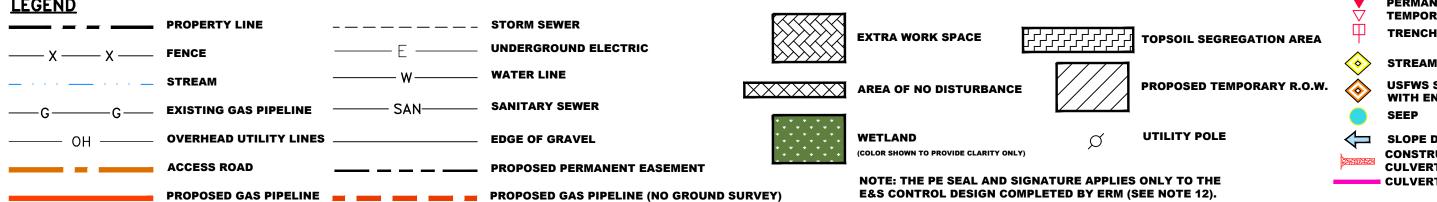
6/20/17

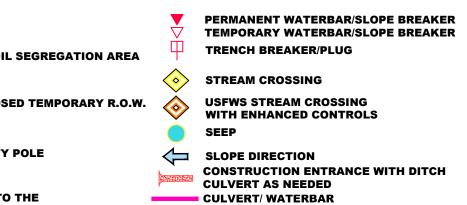
ACCESS ROAD DETAIL 33

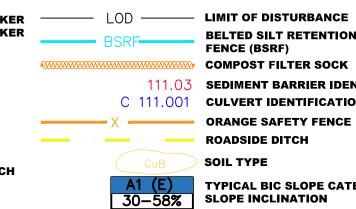


ACCESS ROAD DETAIL 34









BELTED SILT RETENTION FENCE (BSRF) COMPOST FILTER SOCK 111.03 SEDIMENT BARRIER IDENTIFICATION C 111.001 CULVERT IDENTIFICATION ORANGE SAFETY FENCE ROADSIDE DITCH SOIL TYPE TYPICAL BIC SLOPE CATEGORY

NOTES:1. COORDINATE SYSTEM USED FOR MAPPING AND TOPOGRAPHY - UTM WITH NAD83 DATUM, ZONE 17, US SURVEY FOOT, CENTRAL MERIDIAN 81° W.
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THIS DRAWING WAS PRODUCED WITH COMPUTER AIDED DRAFTING TECHNOLOGY AND IS SUPPORTED BY ELECTRONIC DRAWING FILES. DO NOT REVISE THIS DRAWING VIA MANUAL DRAFTING METHODS.

ERM

SCALE: AS SHOWN 6/20/17 DRAWN: **GPT** CHECKED: **DLH** APPROVED: **NET**

gai consultants

SOUTHPOINTE OFFICE 6000 TOWN CENTER BLVD. CANONSBURG, PA 15317 724–873–3545

PROJECT NO./DASH NO 140468 TASK NO. SUB TASK NO 00 GROUP ID DRAWING NO. E520

AR-520