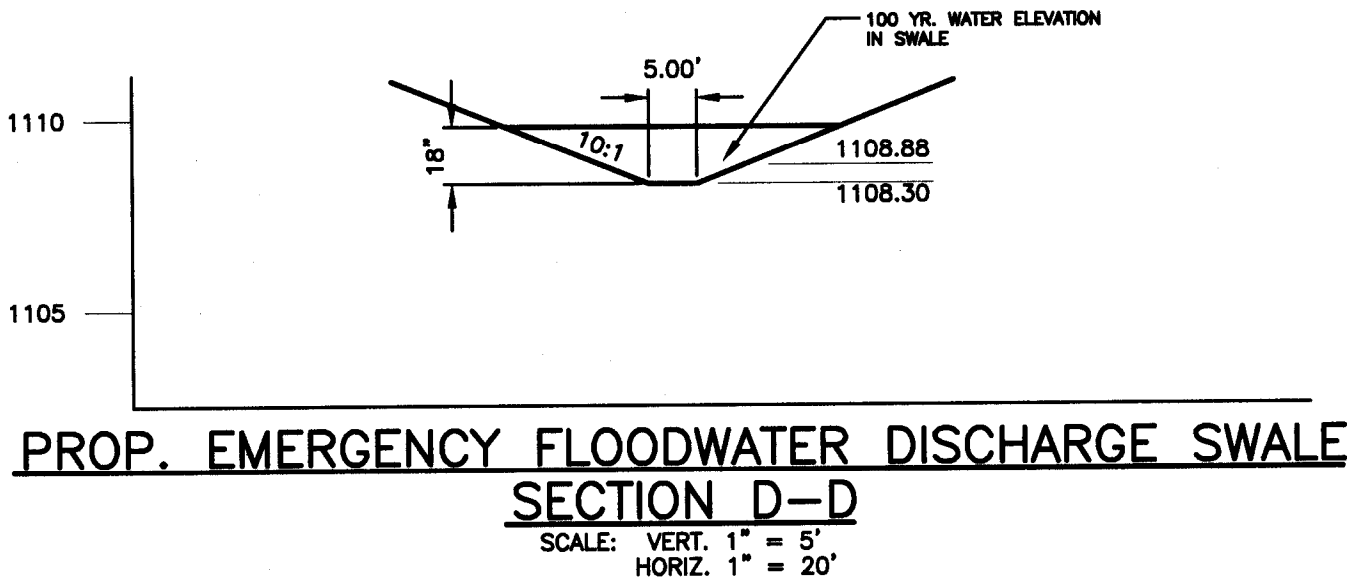


PROP. EMERGENCY FLOODWATER DISCHARGE SWALE SECTION A-A
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'

PROP. EMERGENCY FLOODWATER DISCHARGE SWALE SECTION B-B
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'

PROP. EMERGENCY FLOODWATER DISCHARGE SWALE SECTION C-C
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'



PROP. EMERGENCY FLOODWATER DISCHARGE SWALE SECTION D-D
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'

NOTE: THE PROPOSED EMERGENCY DISCHARGE SWALES MUST BE CONSTRUCTED WITH THE SITE IMPROVEMENTS.

CONTRACTOR SHALL GRADE A DIVERSION CHANNEL AT THE END OF THE PROPOSED ROAD AS NECESSARY TO DIRECT WATER TO RETENTION POND #3

SITE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO PROPOSED RETENTION BASIN DURING CONSTRUCTION

ALL 100 YR. FLOOD PATH DRAINAGE AREAS SHALL BE TREATED WITH O.D.O.T. ITEM 671 EROSION CONTROL MAT, TYPE C

ALL PROPOSED GRADES SHOWN WITHIN THE PAVEMENT LIMITS ARE PROPOSED SUBGRADE.

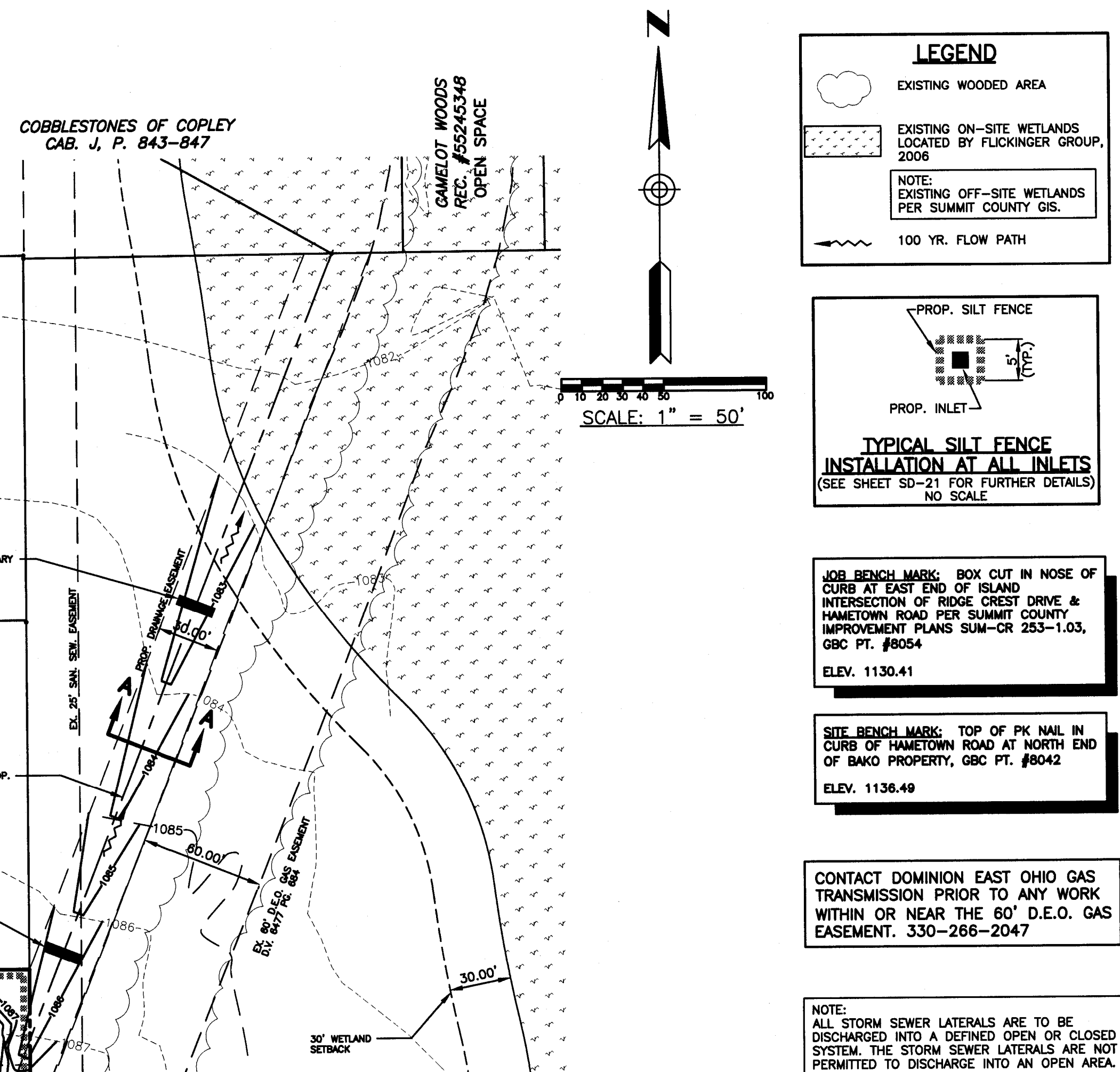
ALL PROPOSED GRADES WITHIN THE LIMITS OF THE 12' UTILITY EASEMENT AND BACK OF CURB ARE PROPOSED FINISHED GRADES.

ALL PROPOSED GRADES WITHIN THE LIMITS OF THE SUBLOT, OUTSIDE OF THE 12' UTILITY EASEMENT ARE EARTHWORK GRADES. FINAL GRADES TO BE DETERMINED PER THE INDIVIDUAL PLOT PLAN DEVELOPMENT FOR EACH LOT.

THE DRAINAGE PATTERNS IDENTIFIED ON THE EARTHWORK PLAN SHALL BE MAINTAINED THROUGH THE INDIVIDUAL PLOT PLAN GRADING PLAN FOR EACH INDIVIDUAL LOT.

ALL PROPOSED GRADES OUTSIDE THE INDIVIDUAL LOT LIMITS ARE PROPOSED FINAL GRADES.

THE AREA OF POOR FILL SOILS DEFINED ON THIS SHEET SHALL BE REMOVED (DEPTH VARIES 3'-6.5') AND BACKFILLED WITH COMPACTED ON SITE SOILS (NOT INCLUDING TOPSOIL). THE ENGINEERED FILL SHOULD BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO 98% OF THE STANDARD PROCTOR DRY DENSITY WITHIN 1% OVER - 3% UNDER THE OPTIMUM MOISTURE CONTENT. A REPRESENTATIVE FROM THE GEOTECHNICAL CONSULTANT WHO PROVIDED THE REPORT SHALL BE PRESENT ON SITE WHEN THIS WORK IS BEING PERFORMED. ALL INSPECTION REPORTS, COMPACTION TESTING AND ETC... SHALL BE FORWARDED TO THE SCE FOR REVIEW AND APPROVAL.



LEGEND

- EXISTING WOODED AREA
- EXISTING ON-SITE WETLANDS LOCATED BY FLICKINGER GROUP, 2006
- NOTE: EXISTING OFF-SITE WETLANDS PER SUMMIT COUNTY GIS.
- 100 YR. FLOW PATH

PROP. SILT FENCE

PROP. INLET

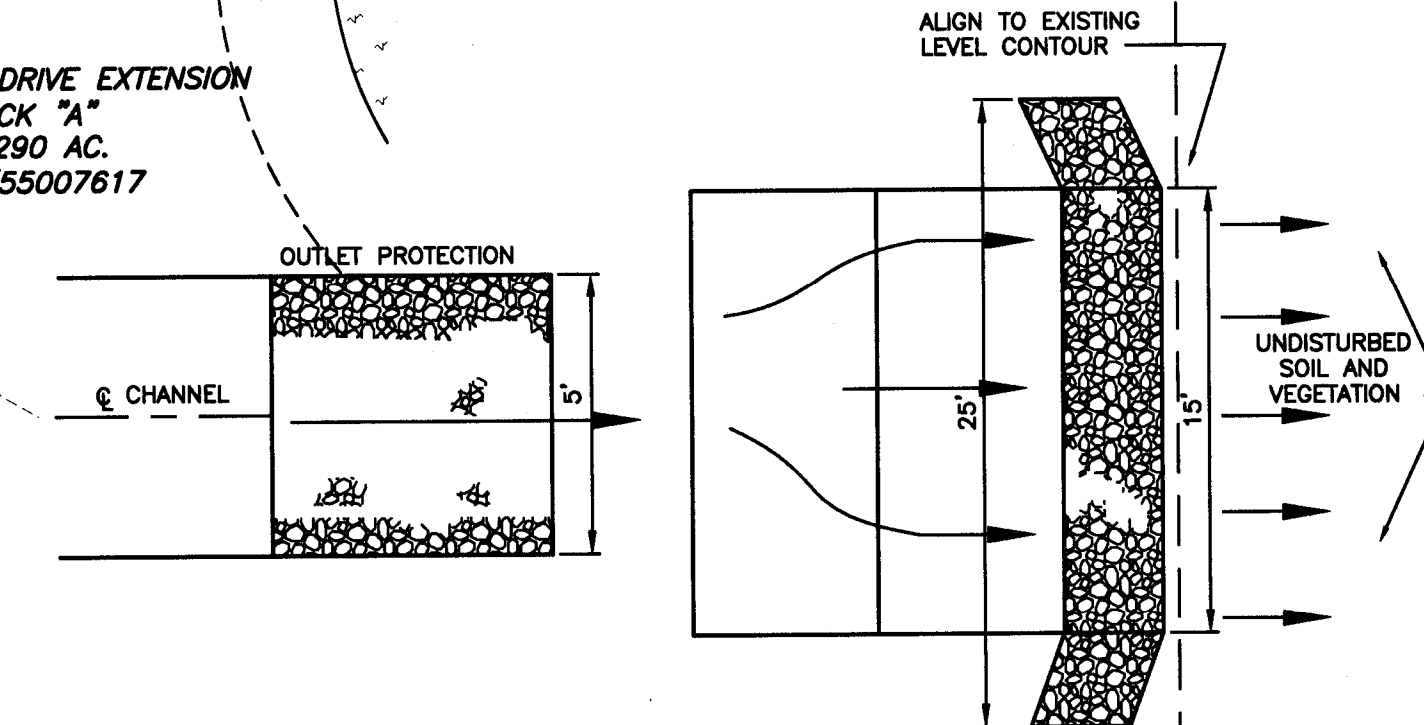
TYPICAL SILT FENCE INSTALLATION AT ALL INLETS
(SEE SHEET SD-21 FOR FURTHER DETAILS)
NO SCALE

JOB BENCH MARK: BOX CUT IN NOSE OF CURB AT EAST END OF ISLAND INTERSECTION OF RIDGE CREST DRIVE & HAMETOWN ROAD PER SUMMIT COUNTY IMPROVEMENT PLANS SUM-REC 253-1.03, GBC PT. #8054
ELEV. 1130.41

SITE BENCH MARK: TOP OF PK NAIL IN CURB OF HAMETOWN ROAD AT NORTH END OF BAKO PROPERTY, GBC PT. #8042
ELEV. 1136.49

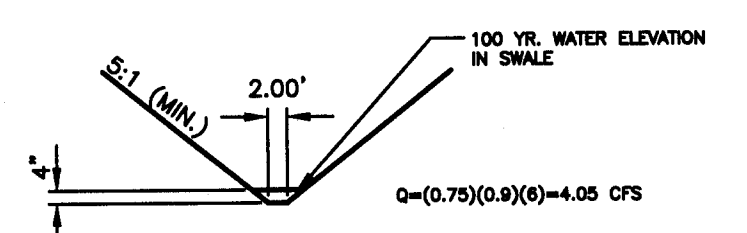
CONTACT DOMINION EAST OHIO GAS TRANSMISSION PRIOR TO ANY WORK WITHIN OR NEAR THE 60' D.E.O. GAS EASEMENT. 330-266-2047

NOTE: ALL STORM SEWER LATERALS ARE TO BE DISCHARGED INTO A DEFINED OPEN OR CLOSED SYSTEM. THE STORM SEWER LATERALS ARE NOT PERMITTED TO DISCHARGE INTO AN OPEN AREA.



- CONSTRUCT LEVEL ROCK WEIR ON A LEVEL CONTOUR TO ENSURE UNIFORM SPREADING OF STORM RUNOFF. CONVERTING CONCENTRATED FLOW TO SHEET FLOW.
 - ROCK SHALL BE O.D.O.T. TYPE "C" WHERE 50% OF THE MATERIAL BY WEIGHT IS GREATER THAN 12 IN. AND 85% IS 6-18 IN.
 - LEVEL SPREADERS MUST BE CONSTRUCTED ON STORM RUNOFF PASSING OVER THE LEVEL SPREADER MUST OUTLET TO EROSION-RESISTANT AREAS WITH ESTABLISHED EXISTING VEGETATION.
 - ROCK IN LEVEL SPREADER SHALL BE COMPACTED WITH AT LEAST TWO PASSES OF HEAVY MACHINERY TO PREVENT FURTHER SETTLING.
- ADJUST ENDS OF SPREADER TO THE INTO HIGHER GROUND TO PREVENT FLOW AROUND THE LEVEL SPREADER
- LEVEL FLOW WIDTH 15'

RIPRAP LEVEL SPREADER DETAIL
NOT TO SCALE



PROP. EMERGENCY FLOODWATER DISCHARGE SWALE SECTION E-E
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'

GBC DESIGN, INC.
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387 MEDINA RD., SUITE 1700
MEDINA, OH 44256
REP.: STAN KATANIC

BENTLEY RESERVE
465 S. HAMETOWN RD.
COPLEY TOWNSHIP, OHIO
STORM WATER POLLUTION PREVENTION AND EARTHWORK PLAN

DRAWN BY: T.G.W.
DATE: JAN. 4, 2011
PROJECT NO. 36048D
DRAWING NO. SD-6