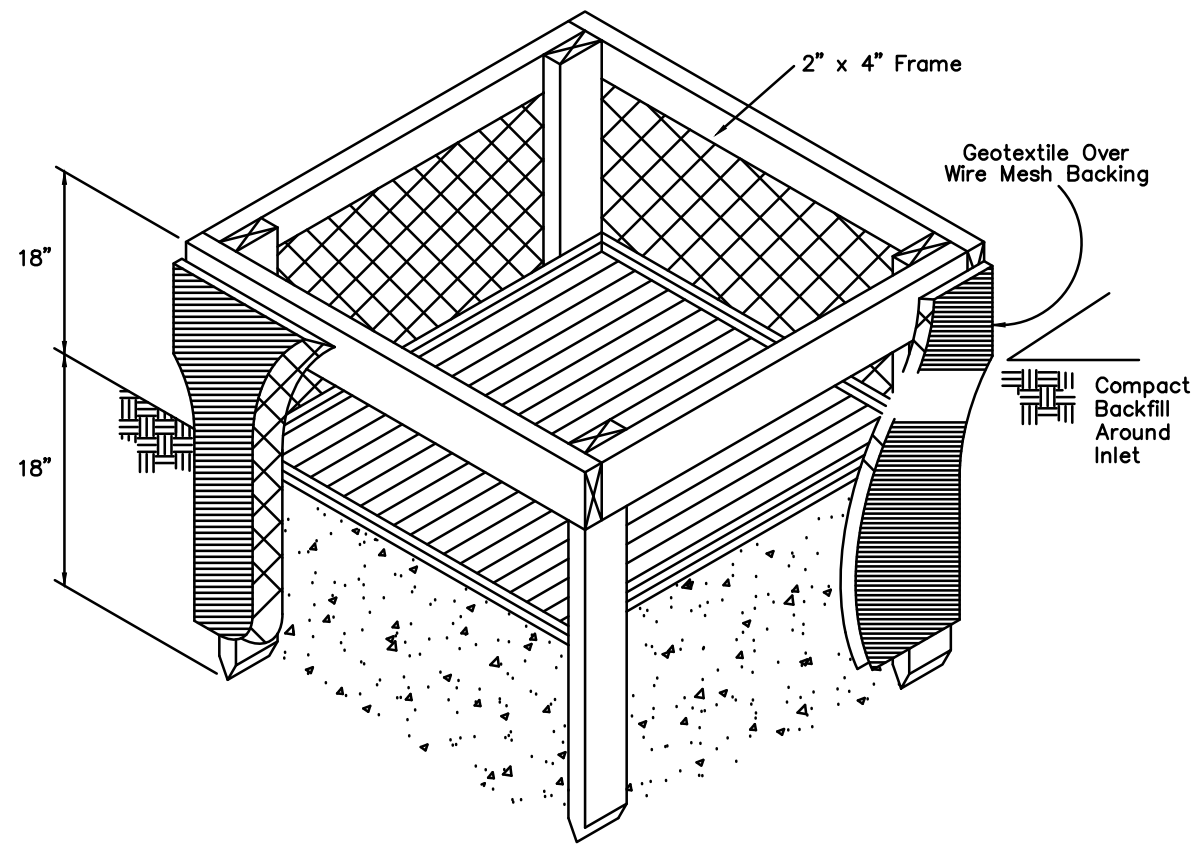


Specifications for
Inlet Protection in Swales, Ditch Lines or Yard Inlets

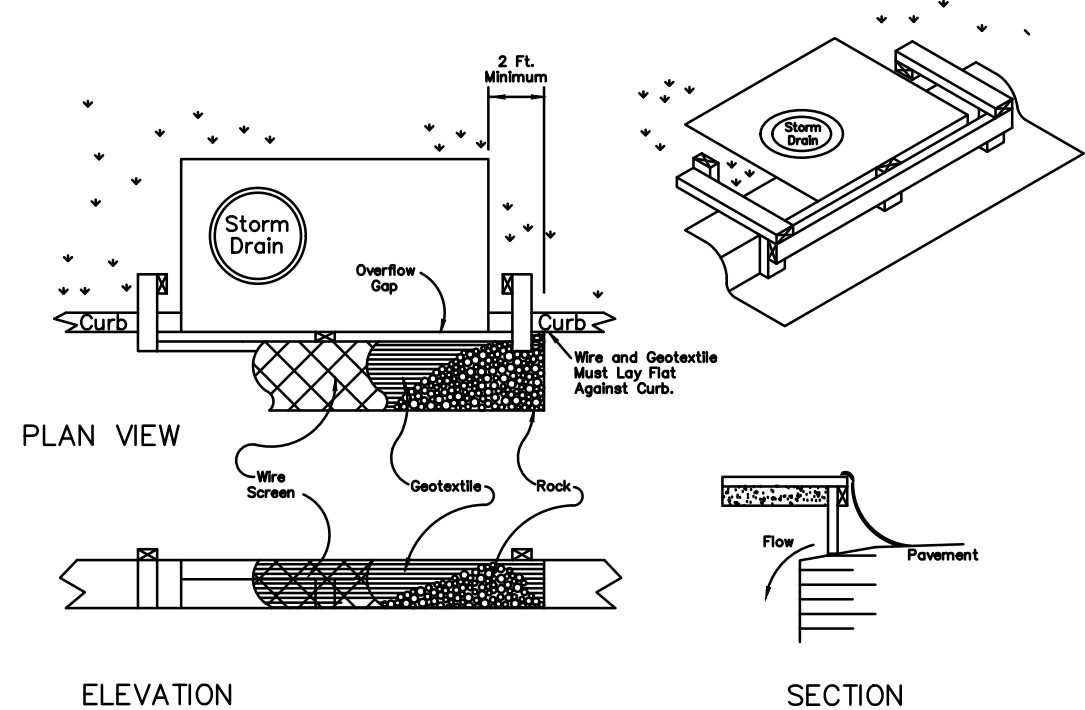


1. Inlet protection shall be constructed either before upslope land disturbance begins or before the storm drain becomes operational.
2. The earth around the inlet shall be excavated completely to a depth of at least 18 in.
3. The wooden frame shall be constructed of 2-by-4 in. construction grade lumber. The 2-by-4 in. posts shall be driven 1 ft. into the ground at four corners of the inlet and the top portion of 2-by-4 in. frame assembled using the overlap joint shown. The top of the frame shall be at least 6 in. below adjacent roads if ponded water would pose a safety hazard to traffic.
4. Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
5. Geotextile shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall extend from the top of the frame to 18 in. below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
6. Backfill shall be placed around the inlet in compacted 6-in. layers until the earth is even with notch elevation on ends and top elevation on sides.
7. A compacted earth dike or a check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression and if runoff bypassing the inlet will not flow to a settling pond. The top of the earth dikes shall be at least 6 in. higher than the top of the frame.

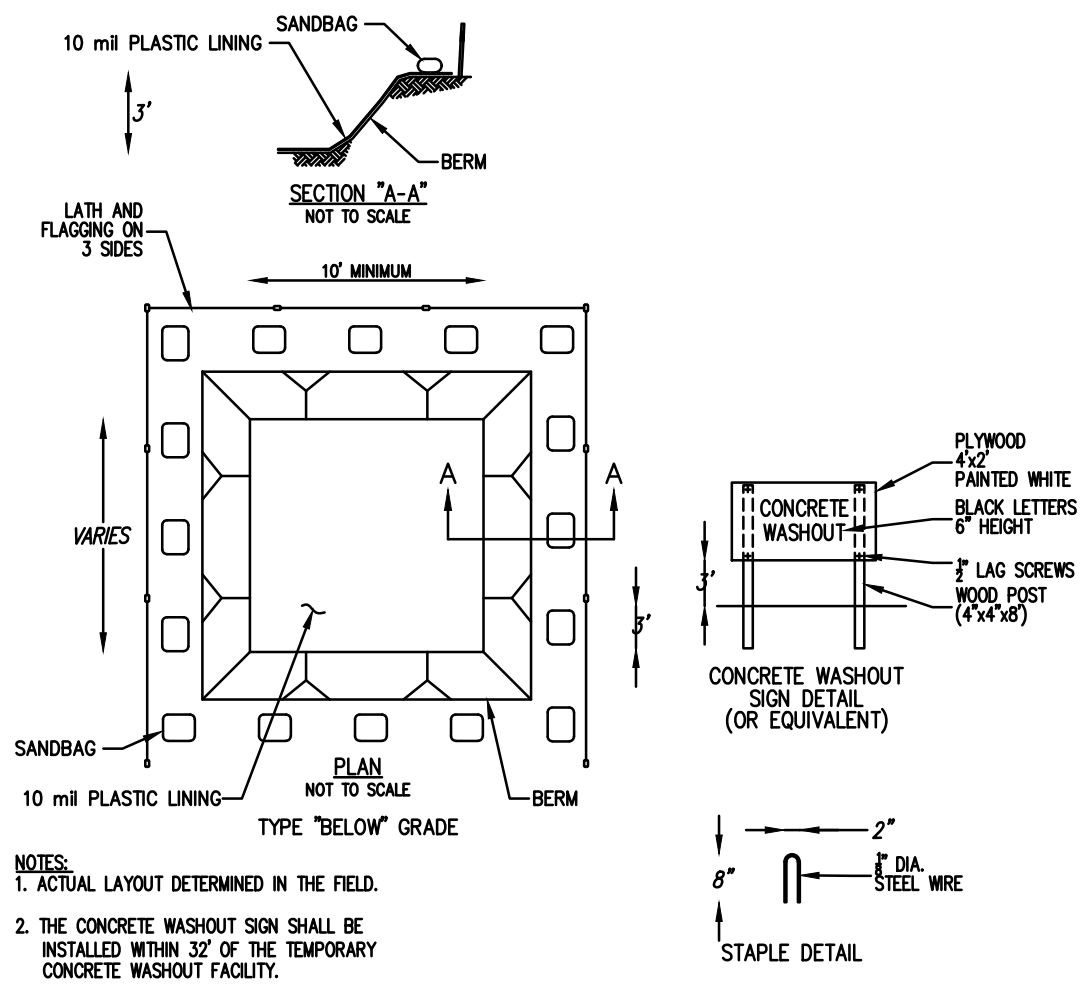
PART LOT 27148

FIRST WARD, SOUTH SIDE
SECTION-35, TOWN-4, RANGE-5
CITY OF HAMILTON, BUTLER COUNTY, OHIO

Specifications for
Curb Inlet Protection



1. Inlet protection shall be constructed either before upslope land disturbance begins or before the storm drain becomes operational.
2. The wooden frame is to be constructed of 2-by-4 in. construction grade lumber. The end spacers shall be a minimum of 1 ft. beyond both ends of the throat opening. The anchors shall be nailed to 2-by-4 in. stakes driven on the opposite side of the curb.
3. The wire mesh shall be of sufficient strength to support fabric and stone. It shall be a continuous piece with a minimum width of 30 in. and 4 ft. longer than the throat length of the inlet, 2 ft. on each side.
4. Geotextile cloth shall have an equivalent opening size (EOS) of 20-40 sieve and be resistant to sunlight. It shall be at least the same size as the wire mesh.
5. The wire mesh and geotextile cloth shall be formed to the concrete gutter and against the face of the curb on both sides of the inlet and securely fastened to the 2-by-4 in. frame.
6. Two-inch stone shall be placed over the wire mesh and geotextile in such a manner as to prevent water from entering the inlet under or around the geotextile cloth.



CONCRETE WASHOUT DETAIL
N.T.S.

BUILDER:
JUSTIN DOYLE HOMES
5378A COX SMITH ROAD
MASON, OHIO 45040

PROPERTY ADDRESS:
310 GORHAM DRIVE
HAMILTON, OHIO 45013

DETAILS
310 GORHAM DRIVE

PART LOT 27148 FIRST WARD, SOUTH SIDE
SECTION-35, TOWN-4, RANGE-5
CITY OF HAMILTON, BUTLER COUNTY, OHIO

Ae Abercrombie & Associates, Inc.
Civil Engineering + Surveying
8111 Cheviot Road, Suite 200 • Cincinnati, Ohio 45247
513-385-5757 • www.abercrombie-associates.com

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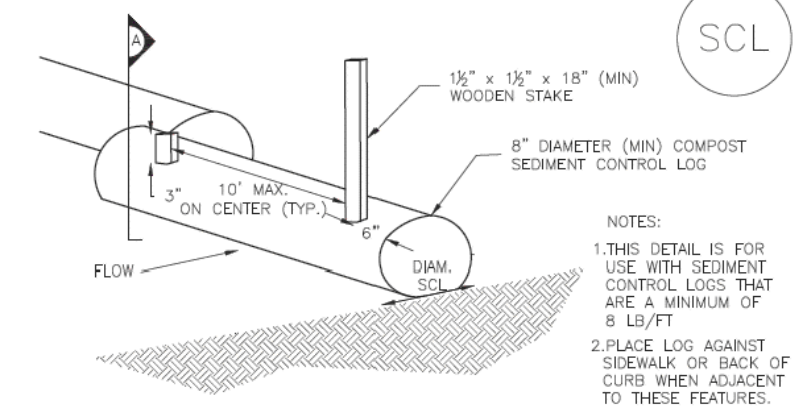
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		N/A		4-9-24		24-0022-1		G.R.			5

DWG.: RB-PLPN

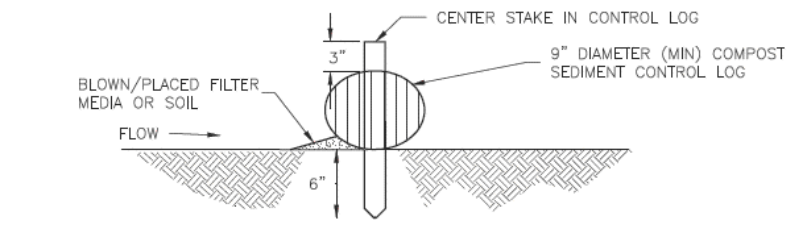
LOT 27149

FIRST WARD, SOUTH SIDE SECTION-35, TOWN-4, RANGE-5 CITY OF HAMILTON, BUTLER COUNTY, OHIO

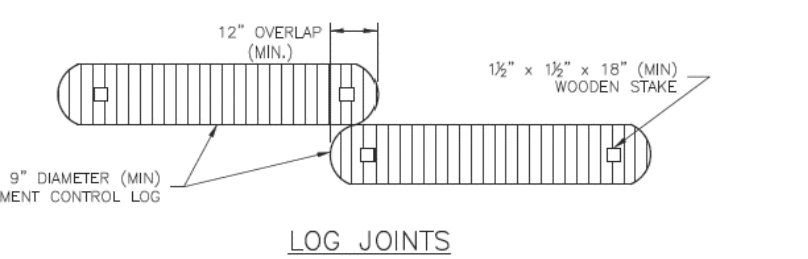
SCL



COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

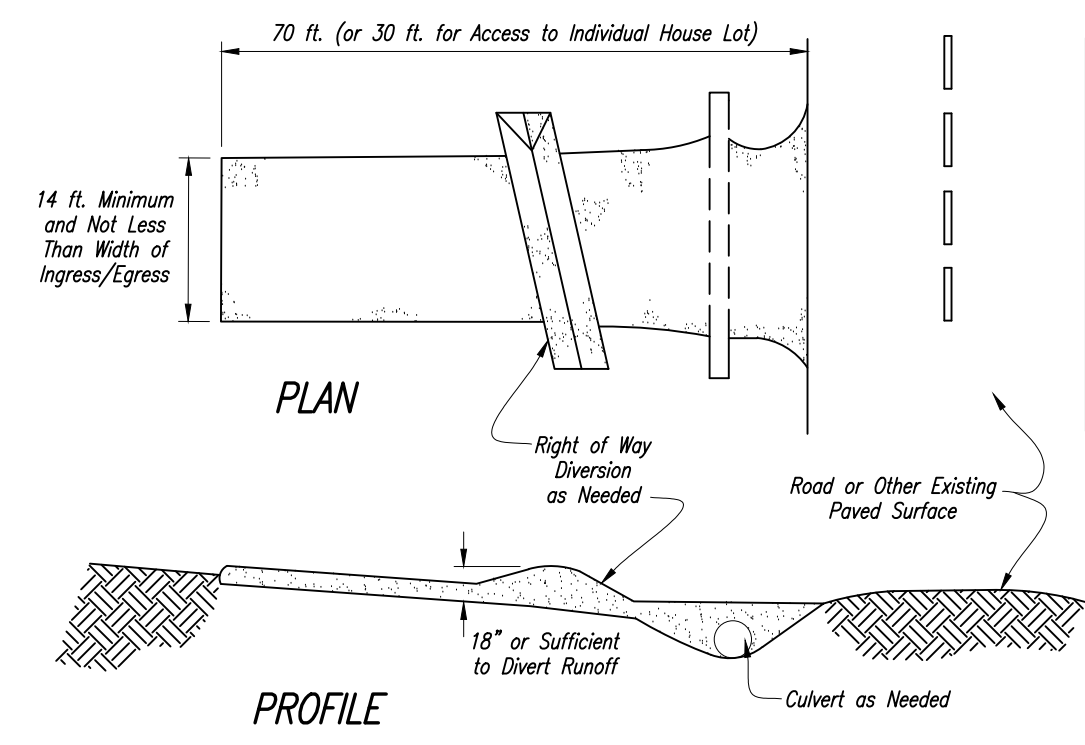


COMPOST SEDIMENT CONTROL LOG (WEIGHTED)



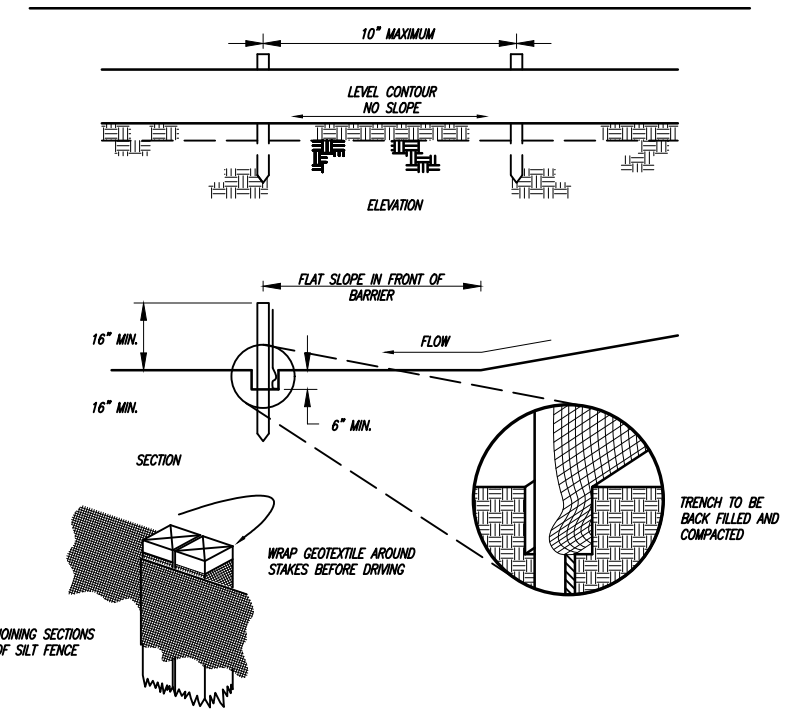
SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

CONSTRUCTION ENTRANCE DETAIL

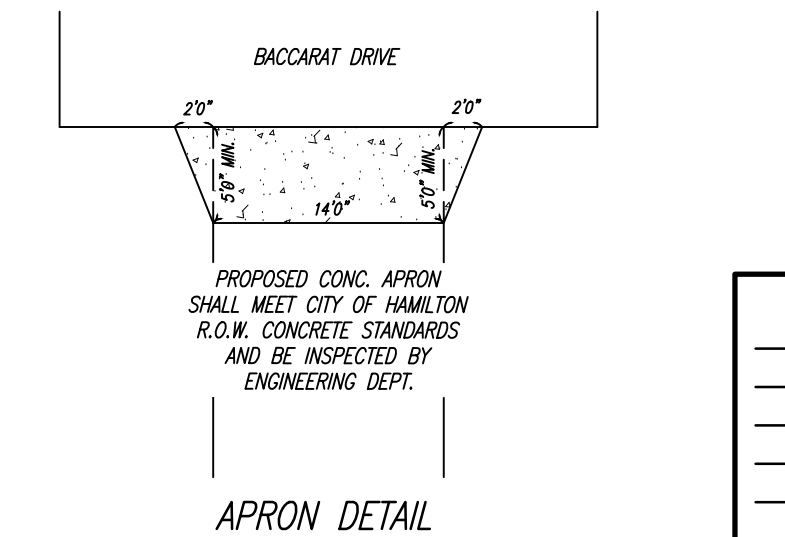


SEE THE RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION, CURRENT EDITION, FOR CONSTRUCTION ENTRANCE SPECIFICATIONS.

SPECIFICATIONS FOR SILT FENCE



SEE PAGES 117-121 OF THE RAINWATER AND LAND DEVELOPMENT, OHIO'S STANDARDS FOR STORMWATER MANAGEMENT, LAND DEVELOPMENT AND URBAN STREAM PROTECTION, SECOND EDITION 1996, MANUAL FOR SILT FENCE SPECIFICATIONS.



APRON DETAIL

- GAS NOTES:**
1. AN OPERATOR QUALIFIED CONTRACTOR (OQ) MUST INSTALL THE GAS SERVICE FROM THE CURB VALVE TO THE METER.
 2. THE GAS SERVICE IS TO BE DIRECT BURY.
 3. THE GAS CURB VALVE CANNOT BE LOCATED IN THE PUBLIC SIDEWALK OR DRIVEWAY.
 4. THE GAS SERVICE SHOULD NOT RUN THROUGH THE CONCRETE DRIVEWAY.
 5. THE TYPICAL GAS SERVICE SIZE FOR A SINGLE FAMILY RESIDENCE IS 1 1/8" INCH.
 6. THE TYPICAL GAS METER SIZE FOR A SINGLE FAMILY RESIDENCE IS 250 CFH.
 7. OUR RECORDS INDICATE THERE IS NOT A GAS SERVICE STUB. SERVICE CAN BE CONNECTED TO EXISTING MAIN. FIELD VERIFICATION IS NEEDED.

8. THE GAS SERVICE TO BE INSTALLED SHALL BE IN DIRECT LINE WITH THE GAS METER. COORDINATION BETWEEN THE OQ CONTRACTOR, THE INTERIOR GAS PLUMBING CONTRACTOR AND THE CITY'S GAS DISTRIBUTION DEPARTMENT IS NEEDED.
9. CONTACT THE CITY'S GAS DISTRIBUTION DEPARTMENT AT 513-785-7550 IF THE GAS CURB VALVE/BOX CANNOT BE LOCATED.

- WATER NOTES:**
1. THE WATER SERVICE FROM THE WATER MAIN TO THE METER MUST BE TYPE K COPPER OR DUCTILE IRON, CLASS 53. WE DO NOT RECOMMEND THE USE OF POLYETHYLENE PIPE FOR THE WATER SUPPLY DISTRIBUTION SYSTEM ON THIS JOB DUE TO THE CITY'S DISINFECTION PROCESS.

2. THE WATER CURB VALVE CANNOT BE LOCATED IN THE PUBLIC SIDEWALK OR DRIVEWAY.
3. THE WATER SERVICE SHOULD NOT RUN THROUGH THE CONCRETE DRIVEWAY.
4. THE CONTRACTOR MUST FOLLOW THE CITY OF HAMILTON'S WATER MAIN AND WATER SERVICE TESTING PROCEDURES.

5. THE TYPICAL WATER SERVICE SIZE FOR A SINGLE FAMILY RESIDENCE IS 3/4 INCH.
6. THE TYPICAL WATER METER SIZE FOR A SINGLE FAMILY RESIDENCE IS 3/4 INCH.
7. OUR RECORDS INDICATE THERE IS NOT A WATER SERVICE STUB. SERVICE CAN BE CONNECTED TO EXISTING MAIN. FIELD VERIFICATION IS NEEDED.

- SANITARY SEWER NOTES:**
1. THE SANITARY LATERAL MUST BE AT LEAST 6-INCHES WITH A MINIMUM 2% SLOPE.
 2. THE SANITARY SEWER LATERAL MATERIAL MUST BE SDR-26.
 3. THE SANITARY LATERAL SHOULD NOT GO THROUGH THE DRIVEWAY.
 4. ADD A CLEANOUT AT THE R/W OR EASEMENT AND ANY BENDS IN THE SANITARY LATERAL. USE A COUNTERSUNK HEAD WHEN A RAISED HEAD IS CONSIDERED TO BE A TRIP HAZARD. CLEANOUTS CANNOT BE LOCATED IN THE PUBLIC SIDEWALK OR DRIVEWAY.
 5. THE MINIMUM VERTICAL DIFFERENCE BETWEEN THE FINISHED FLOOR ELEVATION OF THE LOWEST LEVEL AND THE CROWN OF THE SANITARY SEWER MAIN IS 3-FT.
 6. IF IT IS NECESSARY TO TAP THE SANITARY SEWER MAIN, A FACTORY WYE MUST BE USED.
 7. OUR RECORDS INDICATE THERE IS NOT AN EXISTING 6-INCH SANITARY SEWER LATERAL STUB. FIELD VERIFICATION NEEDED.

- EROSION NOTES:**
- BUILDER IS RESPONSIBLE FOR ALL INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL AS LISTED BELOW.

ALL GRADED AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS POSSIBLE IN ACCORDANCE WITH STATE HIGHWAY ITEM 659.

EROSION CONTROL WILL BE ACCOMPLISHED BY STRATEGICALLY PLACING STRAW WATTLES OR FIBER ROLLS IN SWALES AND RUNOFF AREAS. STRAW WATTLES OR FIBER ROLLS TO BE REPLACED AND EXPANDED AS NECESSARY TO AFFORD NECESSARY CONTROL.

STRAW WATTLES OR FIBER ROLLS TO BE INSTALLED PER MANUFACTURER SPECIFICATIONS

ALL EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY STRIPPING OF VEGETATION OR EXCAVATION.

- NOTES:**
1. BUILDER TO VERIFY THE LOCATION AND ELEVATION OF ALL SANITARY AND WATER SERVICE LATERALS PRIOR TO CONSTRUCTION. IF FIELD CONDITIONS ARE DIFFERENT FROM PLAN, CONTACT THE ENGINEER/SURVEYOR.

2. UTILITY AND TOPOGRAPHIC INFORMATION OBTAINED FROM SUBDIVISION DEVELOPMENT PLANS.

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BUILDER:
 JUSTIN DOYLE HOMES
 5378A COX SMITH ROAD
 MASON, OHIO 45040

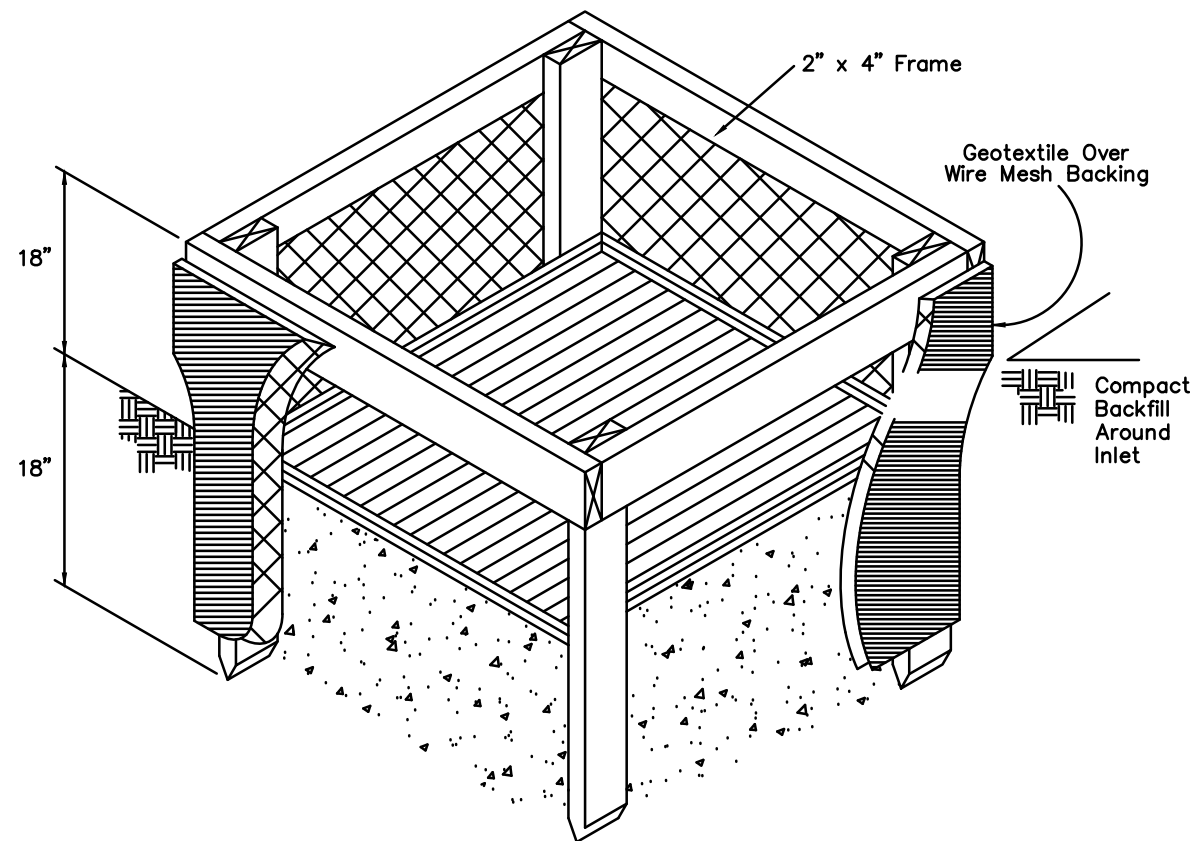
PROPERTY ADDRESS:
 1580 BACCARAT DRIVE
 HAMILTON, OHIO 45013

REVISIONS 	PLOT PLAN 1580 BACCARAT DRIVE LOT 27149 FIRST WARD, SOUTH SIDE SECTION-35, TOWN-4, RANGE-5 CITY OF HAMILTON, BUTLER COUNTY, OHIO Abercrombie & Associates, Inc. Civil Engineering + Surveying 8111 Cheviot Road, Suite 200 • Cincinnati, Ohio 45247 513-385-5757 • www.abercrombie-associates.com	SCALE N/A	DATE 4-9-24	JOB NO. 24-0022	DRAWN G.R.	1 5
DWG.: RB-PLPN						

LOT 27149

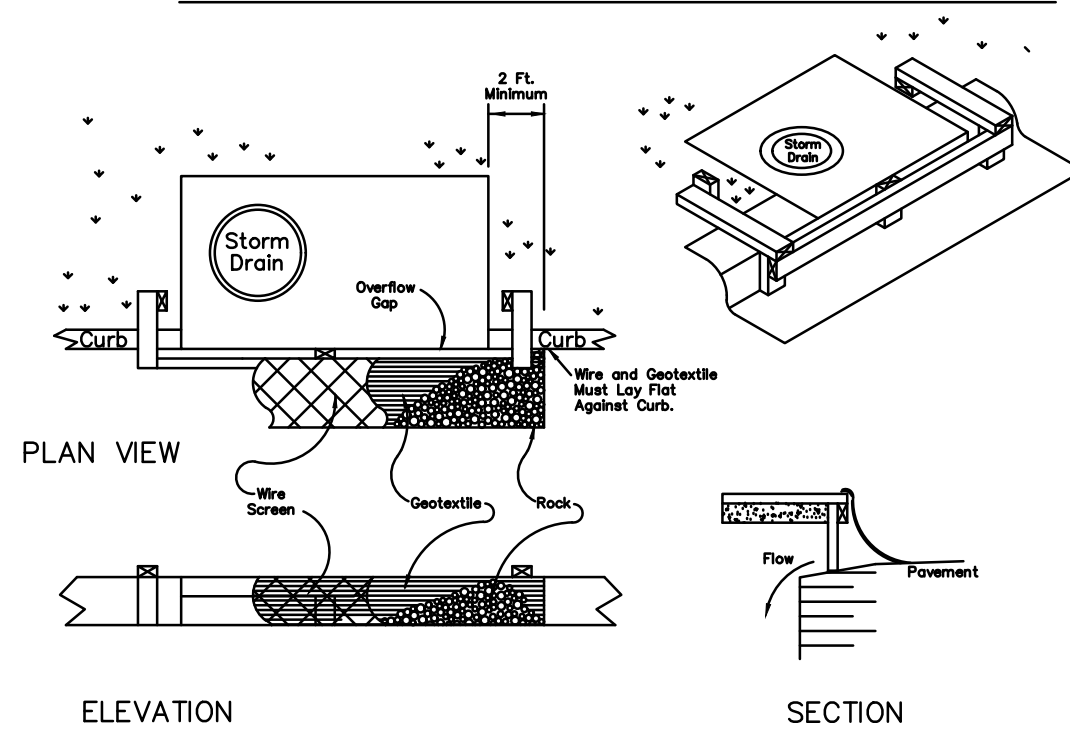
FIRST WARD, SOUTH SIDE
SECTION-35, TOWN-4, RANGE-5
CITY OF HAMILTON, BUTLER COUNTY, OHIO

Specifications for Inlet Protection in Swales, Ditch Lines or Yard Inlets

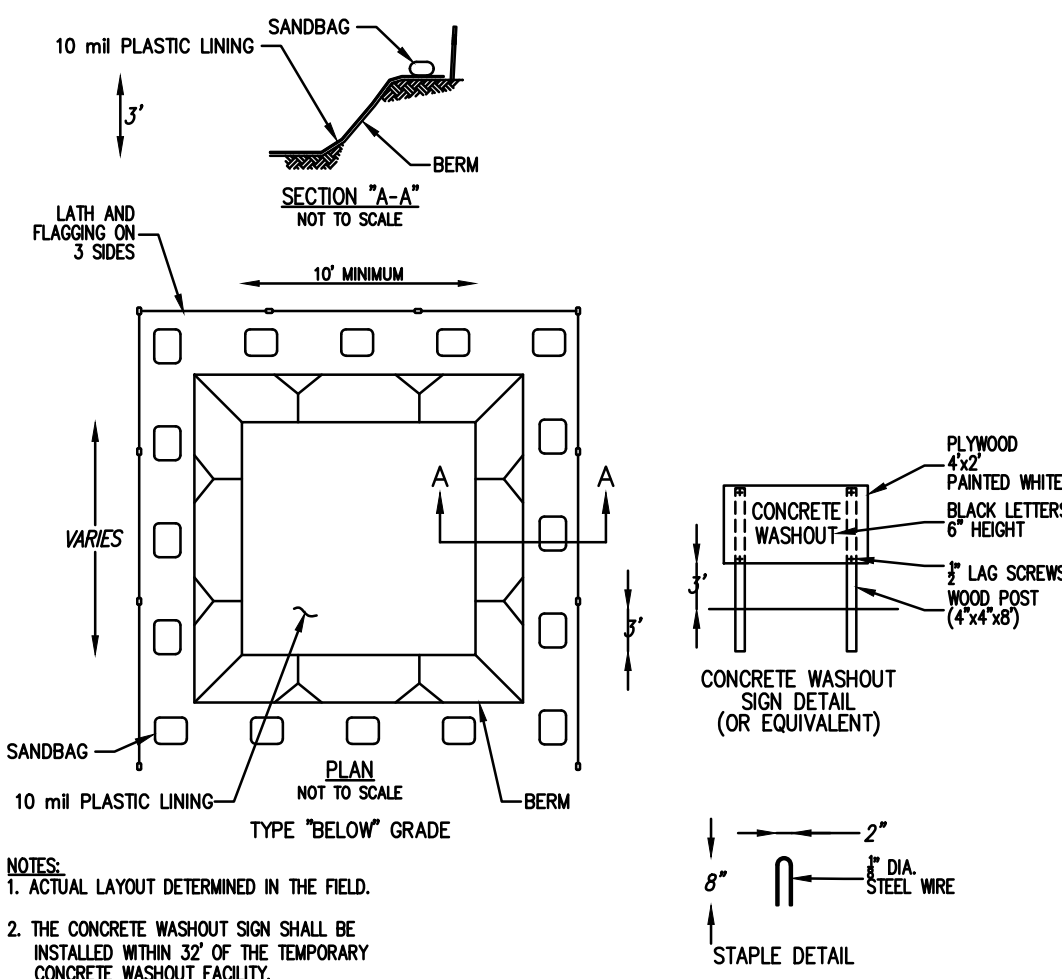


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CONCRETE WASHOUT DETAIL
N.T.S.

BUILDER:
JUSTIN DOYLE HOMES
5378A COX SMITH ROAD
MASON, OHIO 45040

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310 GORHAM DRIVE
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DETAILS

1580 BACCARAT DRIVE

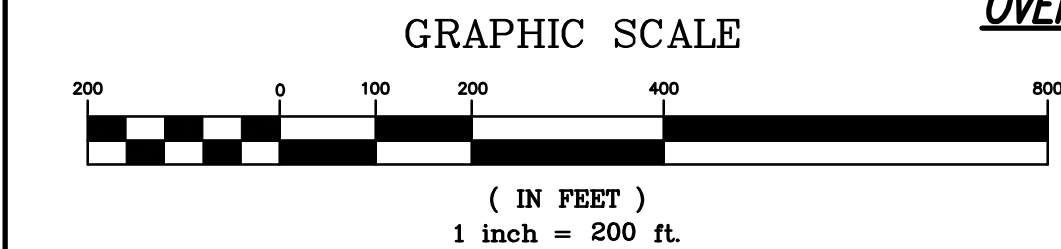
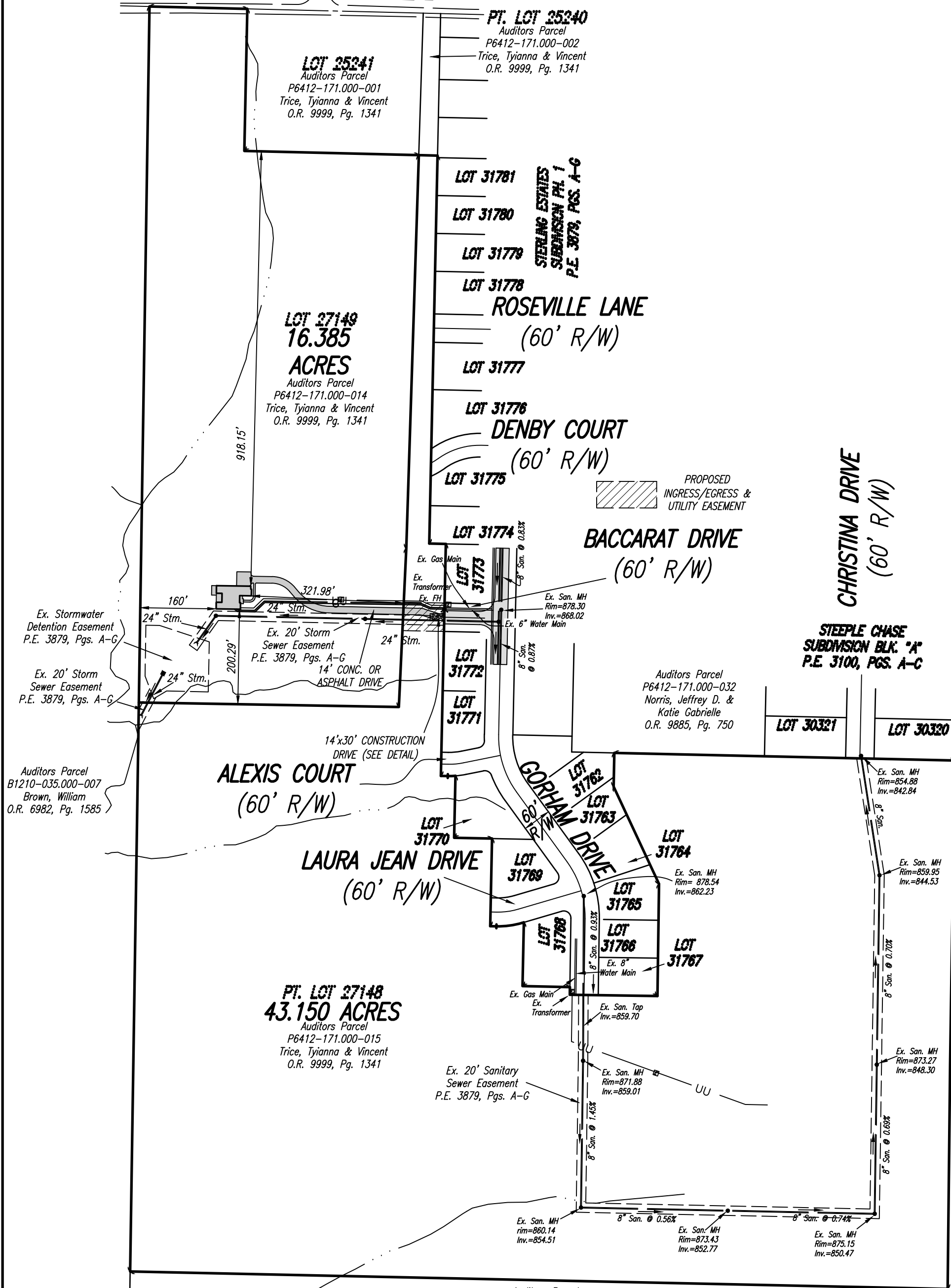
PART LOT 27148 FIRST WARD, SOUTH SIDE
SECTION-35, TOWN-4, RANGE-5
CITY OF HAMILTON, BUTLER COUNTY, OHIO

Ae Abercrombie
& Associates, Inc.
Civil Engineering + Surveying
8111 Cheviot Road, Suite 200 • Cincinnati, Ohio 45247
513-385-5757 • www.abercrombie-associates.com

REVISIONS	SCALE	DATE	JOB NO.	DRAWN	CHECKED
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DWG.: RB-PLPN

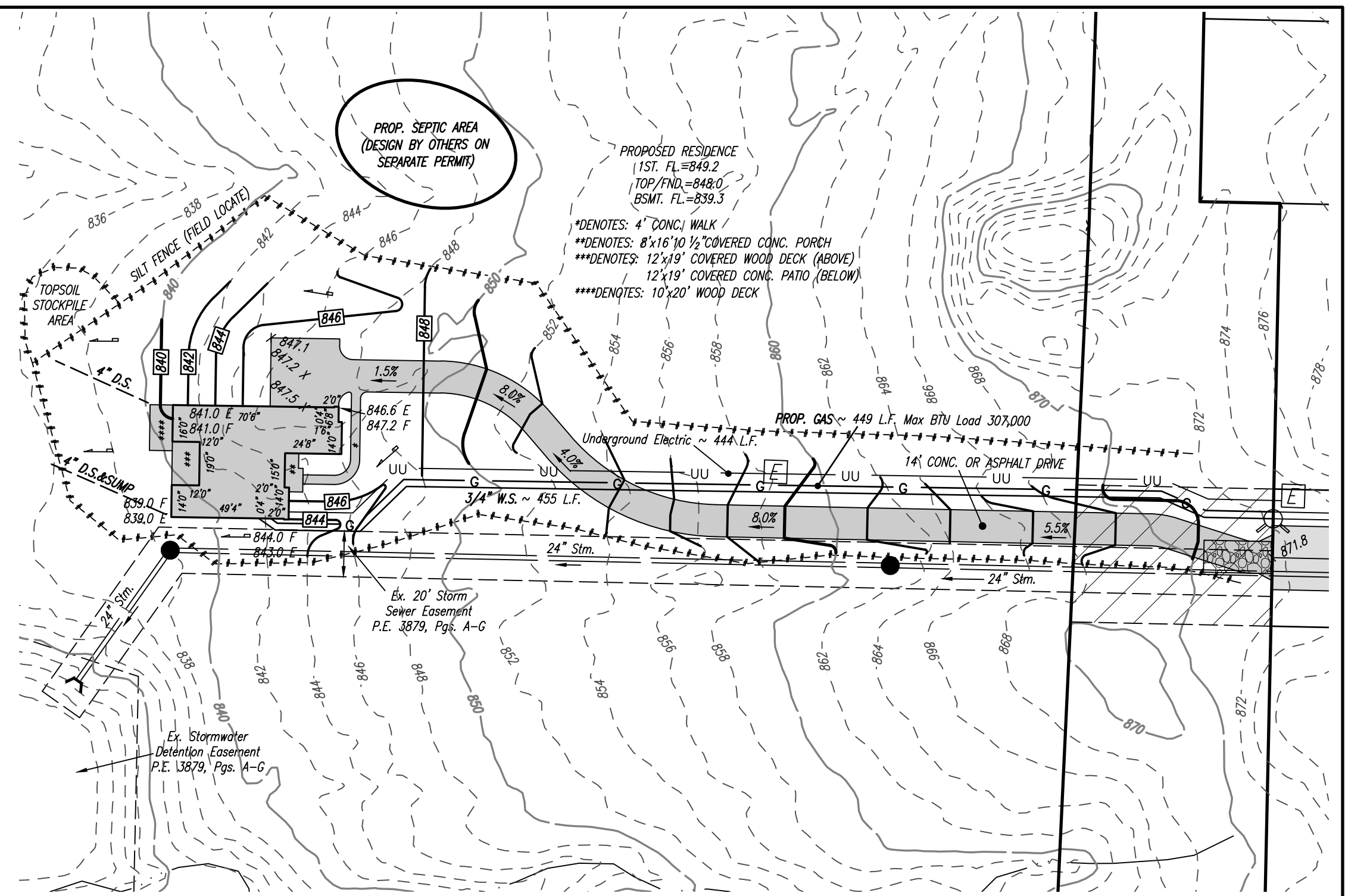
MILLVILLE AVENUE
(R/W VARIES)



OVERALL PROPERTY

BUILDER:
JUSTIN DOYLE HOMES
5378A COX SMITH ROAD
MASON, OHIO 45040

PROPERTY ADDRESS:
1580 BACCARAT DRIVE
HAMILTON, OHIO 45013



PROPOSED RESIDENCE

GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

LINE TABLE		
LINE	LENGTH	BEARING
L1	14.55'	S 88°46'54" E
L2	130.75'	S 01°13'06" W
L3	80.00'	S 88°46'54" E
L4	185.00'	S 01°13'06" W
L5	13.07'	N 88°46'54" W
L6	134.51'	S 01°13'06" W
L7	100.00'	S 88°46'54" E
L8	16.32'	S 00°48'48" W
L9	185.00'	S 89°11'12" E
L10	35.00'	S 88°46'54" E
L11	236.66'	N 00°48'48" E
L12	226.84'	N 24°59'52" W
L13	71.19'	N 01°16'46" E

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHORD	BEARING
C1	5°18'53"	175.00'	16.23'	16.23'	N 88°33'40" E
C2	17°33'38"	180.00'	55.17'	54.95'	N 82°26'17" E

PLOT PLAN
1580 BACCARAT DRIVE

REVISIONS		LOT 27149 FIRST WARD, SOUTH SIDE SECTION-35, TOWN-4, RANGE-5 CITY OF HAMILTON, BUTLER COUNTY, OHIO			
		<p>Abercrombie & Associates, Inc. Civil Engineering + Surveying 8111 Cheviot Road, Suite 200 • Cincinnati, Ohio 45247 513-385-5757 • www.abercrombie-associates.com</p>			
SCALE AS SHOWN	DATE 4-9-24	JOB NO. 24-0022	DRAWN G.R.	5	
DWG.: RB-PLPN					

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