

THE PINES AT NORMANSIDE

LEONARD PLACE

TOWN OF BETHLEHEM, ALBANY COUNTY

STATE OF NEW YORK

DRAWING INDEX:

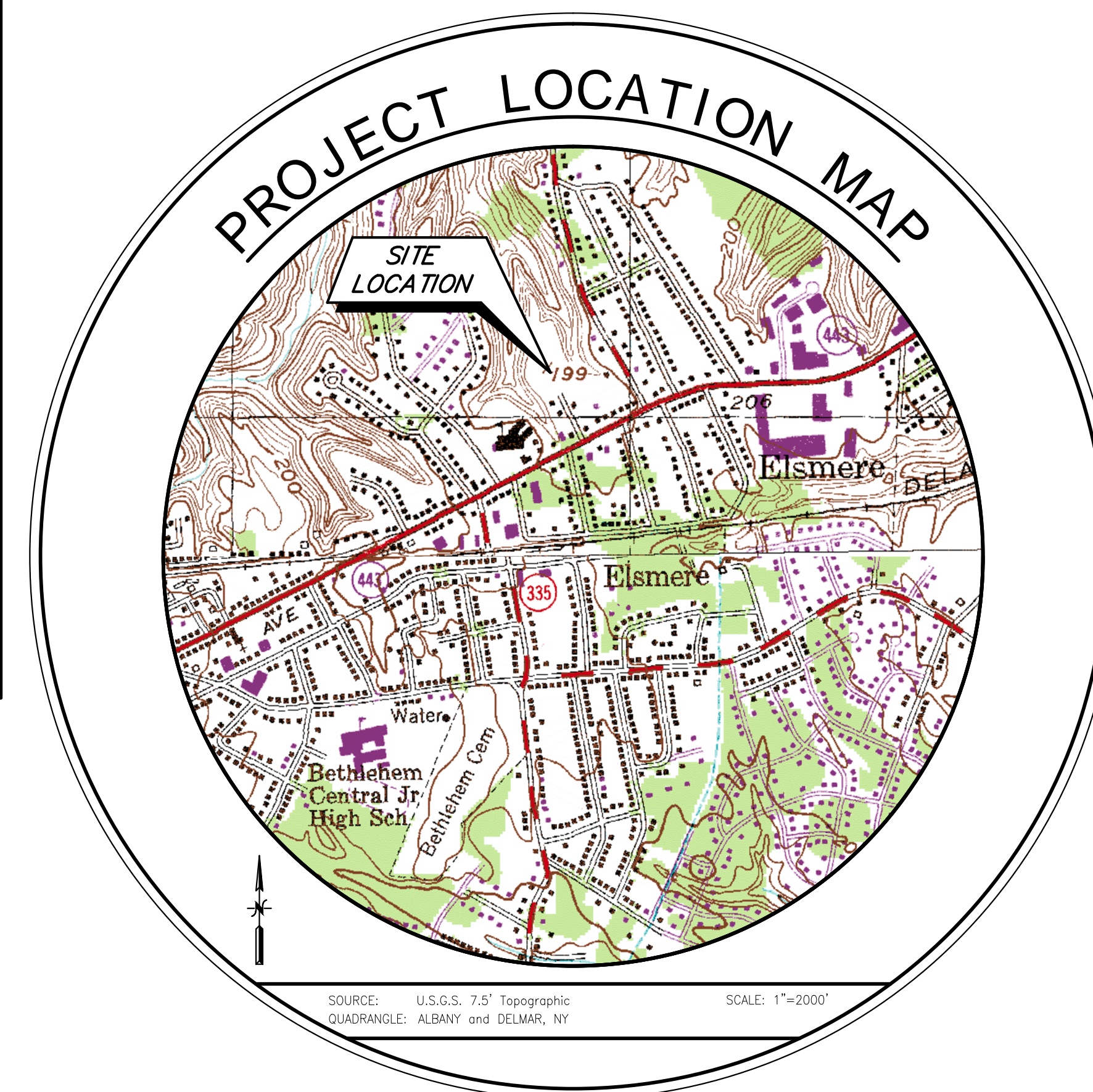
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ATTACHMENT 1 - TOPOGRAPHIC SURVEY (BY OTHERS)			

PROJECT INFORMATION

SUBDIVISION NAME: THE PINES AT NORMANSIDE
SITE ADDRESS: LEONARD PLACE
DELMAR, NY 12054
TOWN: BETHLEHEM
TAX MAP NUMBER: 86.05-3-10.1
L. 2496, P. 93

APPLICANT

RICHARD BOHL
PO BOX 7
GLENMONT, NEW YORK
12077



CODE COMPLIANCE:

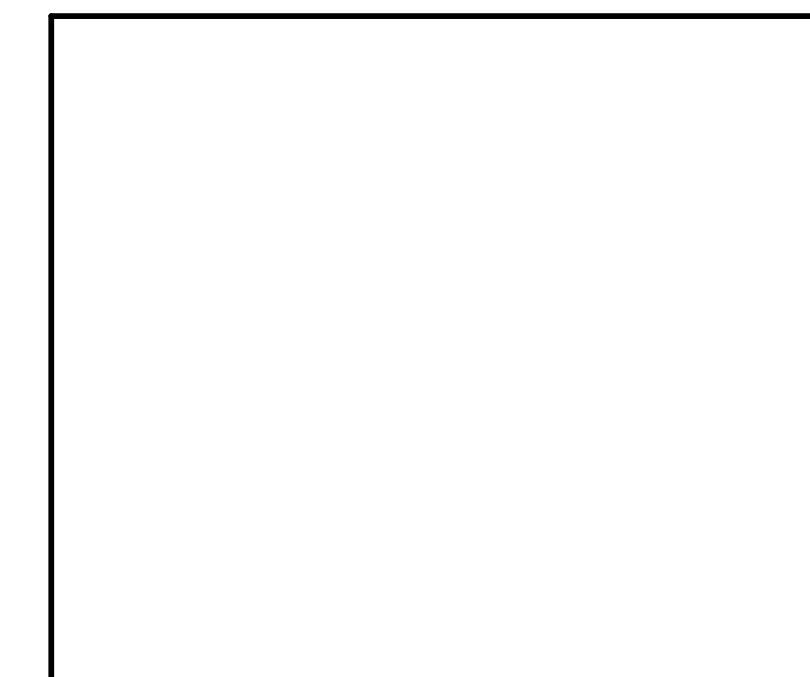
ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:

1. UNIFORM PLUMBING CODE
2. NATIONAL ELECTRIC CODE
3. LOCAL BUILDING CODE
4. TOWN/COUNTY ORDINANCES

ISSUED FOR:

FINAL SUBDIVISION REVIEW

TOWN OF BETHLEHEM APPROVAL



DIG ALERT:

CALL FOR UNDERGROUND UTILITIES PRIOR TO DIGGING:
1-800-962-7962

EMERGENCY:

CALL 911

JUNE 2013



CREIGHTON MANNING ENGINEERING, LLP
2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
P: (518) 446-0396 F: (518) 446-0397 WWW.CMELLP.COM

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 File Date: November 2, 2011 10:40 AM
 File Name: T:\Projects\2011\04\01\SUBS\Subs.dwg

GENERAL NOTES

1. UNDERGROUND UTILITIES ARE SHOWN BASED ON PHYSICAL EVIDENCE LOCATED AT THE GROUND SURFACE.
2. THE PLANS SHOW KNOWN SUBSURFACE STRUCTURES, ABOVEGROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, BASED UPON RECORD PLANS AND FIELD EVIDENCE RECOVERED DURING THE SURVEY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. CONTRACTOR SHALL COMPLY WITH THE STATE OF NEW YORK DEPARTMENT OF PUBLIC SERVICE, 16NYCRR PART 753, EFFECTIVE FEBRUARY 5, 1997. CALL BEFORE YOU DIG @ 1-800-962-7962.
3. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ARCHITECT.
4. THE CONTRACTOR SHALL RESTORE LAWNS, DRIVEWAYS, CULVERTS, SIGNS AND OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD A CONDITION AS BEFORE BEING DISTURBED AS DETERMINED BY THE ARCHITECT. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND INCURRING THE COST OF ALL REQUIRED PERMITS, INSPECTIONS, CERTIFICATES, ETC.
7. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A NEW YORK STATE LICENSED LAND SURVEYOR.
8. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH THE LATEST REVISIONS OF NEW YORK STATE CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
10. MAINTAIN FLOW FOR ALL EXISTING UTILITIES, CULVERTS, AND DITCHES.
11. ALL MANHOLES, CASTINGS, ETC. AND VALVE BOXES WITHIN PAVED AREAS SHALL HAVE THE TOPS SET FLUSH WITH THE EXISTING PAVEMENT GRADE. IN LANDSCAPED AREAS, ALL FRAMES SHALL BE 0.1' ABOVE GRADE.
12. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES OR UTILITIES INSTALLED UNDER OTHER CONTRACTS, VERIFY EXISTING UTILITY INVERTS AND NOTIFY ENGINEER IF ANY VARIATION FROM THE PLANS IS REQUIRED.
13. CONTRACTOR TO GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS-BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND HIS REPRESENTATIVES, AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADMISSIONS TO THE SATISFACTION OF THE OWNER AND HIS REPRESENTATIVES BEFORE UTILITIES WILL BE ACCEPTED.

CODE COMPLIANCE:

- ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BE THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING:
1. UNIFORM PLUMBING CODE
 2. NATIONAL ELECTRIC CODE
 3. LOCAL BUILDING CODE
 4. TOWN/COUNTY ORDINANCES

15. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN OPERATING CONSTRUCTION EQUIPMENT OVER NEW UTILITY TRENCHES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MINIMUM OF TWO FEET OR MORE, IF REQUIRED, OVER ANY UTILITY LINE SUBJECT TO CONSTRUCTION TRAFFIC.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK, LANE CLOSURES AND DISRUPTIONS WITH GROVERNING AGENCIES.
17. PRIOR TO BIDDING PROJECT, THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS.
18. ALL PHYSICAL FEATURES, INDIVIDUAL TREES, LANDSCAPING OR UTILITY LOCATIONS COULD NOT BE POSSIBLY SHOWN ON THE CONTRACT DRAWINGS. EACH BIDDER IS ENCOURAGED TO PERSONALLY INSPECT ALL AREAS OF PROPOSED WORK, IN ORDER TO ENSURE THAT HE IS FAMILIAR WITH THE PHYSICAL LAYOUT OF THE AREA AND THE REQUIREMENTS OF THE WORK.
19. PROPERTY LINES ARE APPROXIMATE AS INTERPOLATED FROM EXISTING MAPPING AND ARE SHOWN FOR REFERENCE ONLY. SEE LIST OF MAP REFERENCES FOR FURTHER INFORMATION.
20. ALL PROPOSED WORK MAY BE VARIED IN THE FIELD BY THE ENGINEER TO MEET EXISTING CONDITIONS.
21. UPON COMPLETION OF THE WORK, ALL DISTURBED AREAS SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
22. DISTURBED AREAS SHALL BE RESTORED AS WORK PROGRESSES AS DEEMED APPROPRIATE BY THE ENGINEER IN GENERAL. IF CONSTRUCTIONS COMPLETE ON A STREET, THAT STREET SHALL BE RESTORED AS STATED AND/OR IF CONSTRUCTION HAS ADVANCED 1/2 MILE FROM THE DISTURBED AREA IT SHALL BE RESTORED AS STATED.
23. TURF ESTABLISHMENT: ALL DISTURBED, FILL OR CUT AREAS SHALL BE GRADED, SEEDED, AND MULCHED, WITHIN ONE WEEK OF BACK FILLING SHOULDER AREAS, AS SHOWN ON THE DETAILS, AND LAWN AREAS OF PRIVATE PROPERTY DISTURBED DURING THE COURSE OF THE WORK WILL REQUIRE TOP SOIL BEFORE SEEDING AND MULCHING. ANY AREAS THAT SETTLE OR WASH OUT SHALL BE REPAIRED.
24. WHERE PRACTICAL, ALL EROSION CONTROL MEASURES SHALL BE PUT INTO PLACE PRIOR TO BEGINNING CONSTRUCTION.
25. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT. TEMPORARY PATCH SHALL BE PLACED AT THE END OF EACH WORKING DAY.
26. ALL CONSTRUCTION STAKE OUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. LOCATION OF MANHOLES, ARE TO BE INDIVIDUALLY STAKED OUT. SEWER MAIN TO BE STAKED OUT AT 100 FOOT STATIONS.
27. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL AND CENTERLINE OF PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.
28. ALL WORK TO BE CONSTRUCTED PER THE TOWN OF BETHLEHEM TOWN STANDARDS.

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
FENCE	— x — x — x —	
5' OR 10' CONTOUR LINE	— 200 —	— 250 —
1' OR 2' CONTOUR LINE	— 202 —	— 202 —
EDGE OF STREAM OR RIVER	— w —	— w —
LAKE OR POND		
PROPERTY LINE	— — — —	— — — —
SILT FENCE		— SF —
GRADING LIMITS		— — — —
EDGE OF PAVEMENT	— — — —	— — — —
EDGE OF WOODS	— w —	
BUILDING		
STORM SEWER		— ST —
SANITARY SEWER		— SAN —
WATER LINE		— W —
CATCH BASIN	□	■
MANHOLE	⊙	●
HYDRANT		
WATER VALVE/CONTROL VALVE		
POWER POLE / UTILITY POLE	⊙	
WETLAND/MARSH		

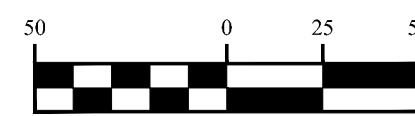
TOWN OF BETHLEHEM STANDARD NOTES

1. “All utilities to be installed in accordance with Town Standard Details and Specifications. Prior to construction, the contractor shall obtain these two documents for use on the job.”
2. “All elevations shown are on USGS elevation base.”
3. “All grading to be 3:1 (horizontal:vertical) maximum slope. Graded lawn/yard areas shall have a minimum slope of 2%.”
4. “Prior to any work in the Town right-of-way, the contractor shall obtain a highway work permit from the Town Highway Superintendent.
5. “Prior to any work in the County right-of-way, a highway work permit from the County of Albany Department of Public Works is required.”
6. “Prior to any work in the State right-of-way, a highway work permit from the New York State Department of Transportation is required.”
7. “Prior to any work on sanitary sewer and water, the contractor shall obtain the necessary permits from the Town Department of Public Works.”
8. “Unless otherwise noted, the locations and footprint configurations of proposed dwellings, driveways and associated lot grading as shown on this plan are conceptual and are included for municipal review purposes. Actual building locations and configurations, and related site grading, may vary from what is shown. However, any substantial variation from what is shown on any lot, as determined by the Town Building Inspector, shall be subject to further review by the Town Department of Public Works (and possibly other Town entities) prior to the issuance of a Building Permit for that lot.”
9. “Any lot that has a proposed house location or building envelope that is located on the downhill side of the Safe Set Back Line will need to have a site-specific soils report submitted to the Building Inspector before a building permit will be issued for that lot.”
10. “All controlled fill shall be certified by a licensed soils engineer, that placement of the material was done in a manner suitable for the construction of the road and the installation of water main, storm sewers, and sanitary sewers. To this end, no fill shall be placed in areas identified on these plans as controlled fill areas until the certifying soils engineer has been consulted.”
11. “For all lots that have areas designated as preserved Federal Wetlands as shown on the Plans, the Town has no control over and accepts no responsibility for future drainage problems that could occur in these areas. This pertains whether such problems are a result of leaving the areas as they presently exist, or a result of future lot owners filling in and around the areas without regard for local drainage patterns.”
12. “For all lots having preserved Federal Wetlands, such wetlands will be shown on the plot plans submitted to the Town Building Department for a Building Permit. This wetland information can be taken directly from the plat or Federal Wetlands Map. Said plot plans shall note that further filling of wetlands may require authorization from Federal regulatory authorities.”
13. The contractor shall call the U.F.P.O. (1-800 962-7962) two working days prior to any excavation to have underground utilities located in the field.
14. Street right-of-way monuments shall be installed following completion of home construction at points designated by the Town of Bethlehem.
15. No sump pump, roof drains, cellar drains, or footing drains shall be connected to the sanitary sewer system.

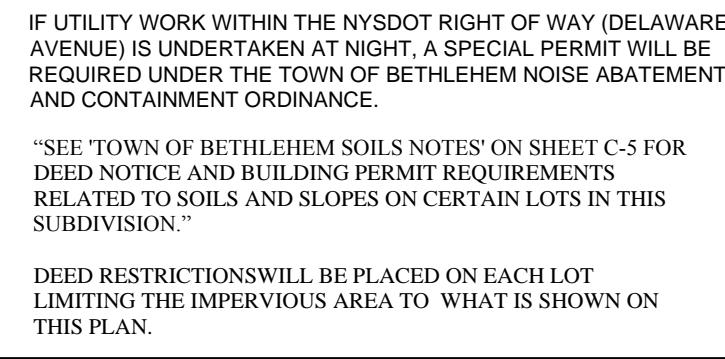
TOWN OF BETHLEHEM APPROVAL

FINAL SUBDIVISION PLANS		8	Final Submission	11/07/11	MBT
		7	Town Rev. Comments	06/02/11	MBT
		6	Town Rev. Comments	03/08/11	MBT
		5	Town Rev. Comments	01/21/11	MBT
		4	Town Rev. Comments	12/01/10	MBT
		3	Town Rev. Comments	09/30/10	MBT
		2	Town Rev. Comments	05/14/10	MBT
		1	Town Comments	02/10/09	MBT
		NO.	REVISION	DATE	BY
UNAUTHORIZED ALTERATION OR ADDITION APPLICABLE STATE AND/OR LOCAL LAWS		RICHARD BOHL P.O. BOX 7 GLENMONT, NEW YORK 12077			
THE PINES AT NORMANSIDE LEONARD PLACE TOWN OF BETHLEHEM, NEW YORK		DESIGNED: M.B.T. DRAWN BY: T.A.R. CHECKED: M.B.T.			
GENERAL NOTES AND LEGEND		DATE: 11-07-2011	CME No.:	SCALE: AS NOTED	
C 2		08-000			
SHEET NUMBER		2 of 13			

1. WETLAND LINES SHOWN ARE BASED ON A DELINEATION CONDUCTED BY INFINITY ENGINEERING AND SURVEYING IN SEPTEMBER, 2007.
2. WETLAND LINES IN LIMITED AREAS OR FILL AS SHOWN ON THE PLANS ARE AUTHORIZED UNDER ACOE PERMIT APPLICATION NUMBER NAN-2007-01349
3. EXISTING CONDITIONS SURVEY COMPLETED BY BREWER ENGINEERING ASSOCIATES, P.C.
4. ADDITIONAL UTILITIES LOCATED BY INFINITY ENGINEERING AND SURVEYING ON NOV. 19, 2009.
5. ADDITIONAL TOPOGRAPHY AND SITE FEATURES LOCATED BY INFINITY ENGINEERING AND SURVEYING ON APRIL 12, 2010.



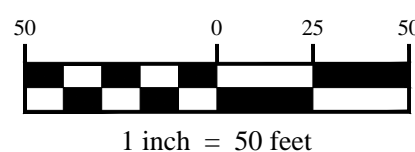
SHEET NUMBER		3 of 4		DATE: 11-07-2011		CME No.:		SCALE: AS NOTED		DESIGNED: M.B.T.		DRAWN BY: T.A.R.		CHECKED: M.B.T.		MAILING THIS DRAWING OR ANYTHING TO THE DOCUMENTS IS A VIOLATION OF THE APPLICABLE STATE AND/OR LOCAL LAWS		FINAL SUBDIVISION PLANS		8 Final Submission		11/07/11 M&T	
																				7 Town Rev. Comments		06/02/11 M&T	
																				6 Town Rev. Comments		03/08/11 M&T	
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																				4 Town Rev. Comments		12/01/10 M&T	
																				3 Town Rev. Comments		09/30/10 M&T	
																				2 Town Rev. Comments		05/14/10 M&T	
																				1 Town Comments		02/10/09 M&T	
																				NO.		REVISION	
																				BY		DATE	
																				RICHARD BOHL			
																				P.O. BOX 7			
																				GLENMONT, NEW YORK 12077			



SHEET NUMBER	C 4	of 4
THE PINES AT NORMANSIDE LEONARD PLACE TOWN OF BETHELEHEM, NEW YORK		
FINAL PLAT		
DATE:	1-07-2013	CME No.: 08-000
DESIGNED:	M.B.T.	DRAWN BY: T.A.R.
CHECKED:	M.B.T.	
 <p> Creighton Manning CREIGHTON MANNING ENGINEERING, LLP 2 WILKINS CIRCLE SUITE 200 P.O. BOX 100 FARMINGTON, CT 06031 P: (818) 446-0398 F: (818) 446-0397 WWW.CMELLP.COM </p>		
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<div style="float: right;"> FINAL SUBDIVISION PLANS RICHARD BOHL P.O. BOX 7 GLENMONT, NEW YORK 12077 </div>		
9	Final Submission w/ Rev. Bearing Distances	1/07/13
8	Final Submission	11/07/11
7	Town Rev. Comments	06/02/11
6	Town Rev. Comments	03/08/11
5	Town Rev. Comments	01/21/11
4	Town Rev. Comments	12/01/10
3	Town Rev. Comments	09/30/10
2	Town Rev. Comments	05/14/10
1	Town Comments	02/10/09
NO	REVISION	BY

ALL CONTROLLED FILL SHALL BE CERTIFIED BY A LICENSED SOILS ENGINEER THAT PLACEMENT OF THE MATERIAL WAS DONE IN A MANNER SUITABLE FOR THE CONSTRUCTION OF THE ROAD AND INSTALLATION OF THE WATER MAIN, STORM SEWERS AND SANITARY SEWERS.

SAFE SETBACK LINE SHOWN BASED ON INSTALLATION OF MITIGATION MEASURES RECOMMENDED IN THE GEOTECHNICAL REPORT DATED: FEBRUARY 8, 2007 BY VERNON HOFFMAN. MEASURES INCLUDE INSTALLATION OF SLOPE DRAINS AND LOWERING OF THE TOP OF SLOPE BY CONSTRUCTING THE HOMES WITH WALK-OUT BASEMENTS.



1. THE DEVELOPER SHALL INCLUDE A DEED NOTICE IN THE DEED FOR ANY ADDITIONAL LOTS THAT HAVE A SLOPE SETBACK LINE SHOWN ON IT AS SHOWN ON THE GRADING PLAN - SHEET C-5. THE DEED NOTICE SHALL BE WRITTEN AS IN NOTE 3 BELOW. THIS PERTAINS TO, BUT IS NOT LIMITED TO, THE FOLLOWING LOTS:

2. THE DEVELOPER SHALL PLACE A CONDITION IN THE CONTRACT FOR PURCHASE AND SALE OF REAL ESTATE FOR ANY LOT THAT WILL HAVE A DEED NOTICE. THE CONDITION WILL STATE THAT THE DEED FOR THE TRANSACTION WILL HAVE A DEED NOTICE AS WRITTEN IN ITEM 3 BELOW.

SUBJECT TO THIS NOTICE OF SITE CONDITIONS, WHICH SHOULD BE CONSIDERED BEFORE FUTURE IMPROVEMENTS, ARE MADE TO THE LOT, DUE TO THE SLIPPAGE-PRONE NATURE OF THE SOIL CONDITIONS ASSOCIATED WITH THE SLOPES ON THIS PROPERTY, THE SERVICES OF A LICENSED GEOTECHNICAL ENGINEER SHOULD BE OBTAINED BEFORE ANY CHANGES ARE MADE ON THE PROPERTY, SUCH AS: 1. REMOVING EXISTING TREES, 2. PLANTING TREES, 3. CUTTING TREES, 4. INSTALLING SWIMMING POOLS, CHANGING SURFACE OR SUB-SURFACE DRAINAGE PATTERNS, ALTERING ANY STREAMS THAT MAY BE ON THE PROPERTY, ETC. A SITE-SPECIFIC SOILS REPORT ADDRESSING THE ISSUE OF SOIL STABILITY MAY HAVE BEEN REQUIRED FOR TOWN OF BETHLEHEM APPROVAL OF THE LOT, IN WHICH CASE THE REPORT WOULD BE ON FILE AND AVAILABLE AT THE TOWN OF BETHLEHEM BUILDING DEPARTMENT."

NOTE:
ORANGE CONSTRUCTION FENCE MUST BE INSTALLED
ALONG THE WETLAND BOUNDARIES WHENEVER THE
PROPOSED LIMITS OF DISTURBANCE ARE WITHIN 50
FEET OF THE DESIGNATED FEDERAL WETLANDS

LOT STATISTICS					
LOT NUMBER	LOT AREA (SF)	LOT AREA (ACRES)	GROUND FLOOR ELEVATION	BASEMENT FINISHED FLOOR ELEVATION	WALKOUT BASEMENT (Y/N)
1	4512.97	0.33	206.0	197.0	N
2	14563.88	0.33	205.7	196.7	N
3	14474.83	0.33	206.5	197.5	N
4	29986.43	0.69	205.5	196.5	Y
5	117530.74	2.70	206.1	197.1	Y
6	123757.57	2.84	206.7	197.7	Y
7	37981.06	0.87	206.9	197.9	Y
8	23967.52	0.55	206.5	197.5	Y
9	18373.68	0.42	204.5	195.5	N
10	16186.88	0.37	206.1	197.1	N
11	26105.49	0.60	205.2	196.2	N
STORMWATER MANAGEMENT LOT	48142.02	1.11	-	-	-

WETLAND TABLE	
TOTAL EXISTING WETLAND AREA ON SITE	= 1.2 ACRES
WETLANDS IMPACTED = WETLAND IMPACT 1	= 0.080 ACRES
WETLAND IMPACT 2	= 0.003 ACRES
TOTAL	= 0.083 ACRES

THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK

GRADING AND DRAINAGE PLAN

C 5

NO.	REVISION	DATE	BY
1	Town Comments	02/10/09	MBT
2	Town Rev. Comments	05/14/10	MBT
3	Town Rev. Comments	09/30/10	MBT
4	Town Rev. Comments	12/01/10	MBT
5	Town Rev. Comments	03/27/11	MBT
6	Town Rev. Comments	03/08/11	MBT
7	Town Rev. Comments	06/02/11	MBT
8	Final Submission	11/07/11	MBT
9	Classifications from Geotech	06/06/12	JS

FINAL SUBDIVISION PLANS

RICHARD BOHL
P.O. BOX 7
GLENMONT, NEW YORK 12077

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TO THIS DOCUMENT IS A VIOLATION OF
APPLICABLE STATE AND / OR LOCAL LAWS



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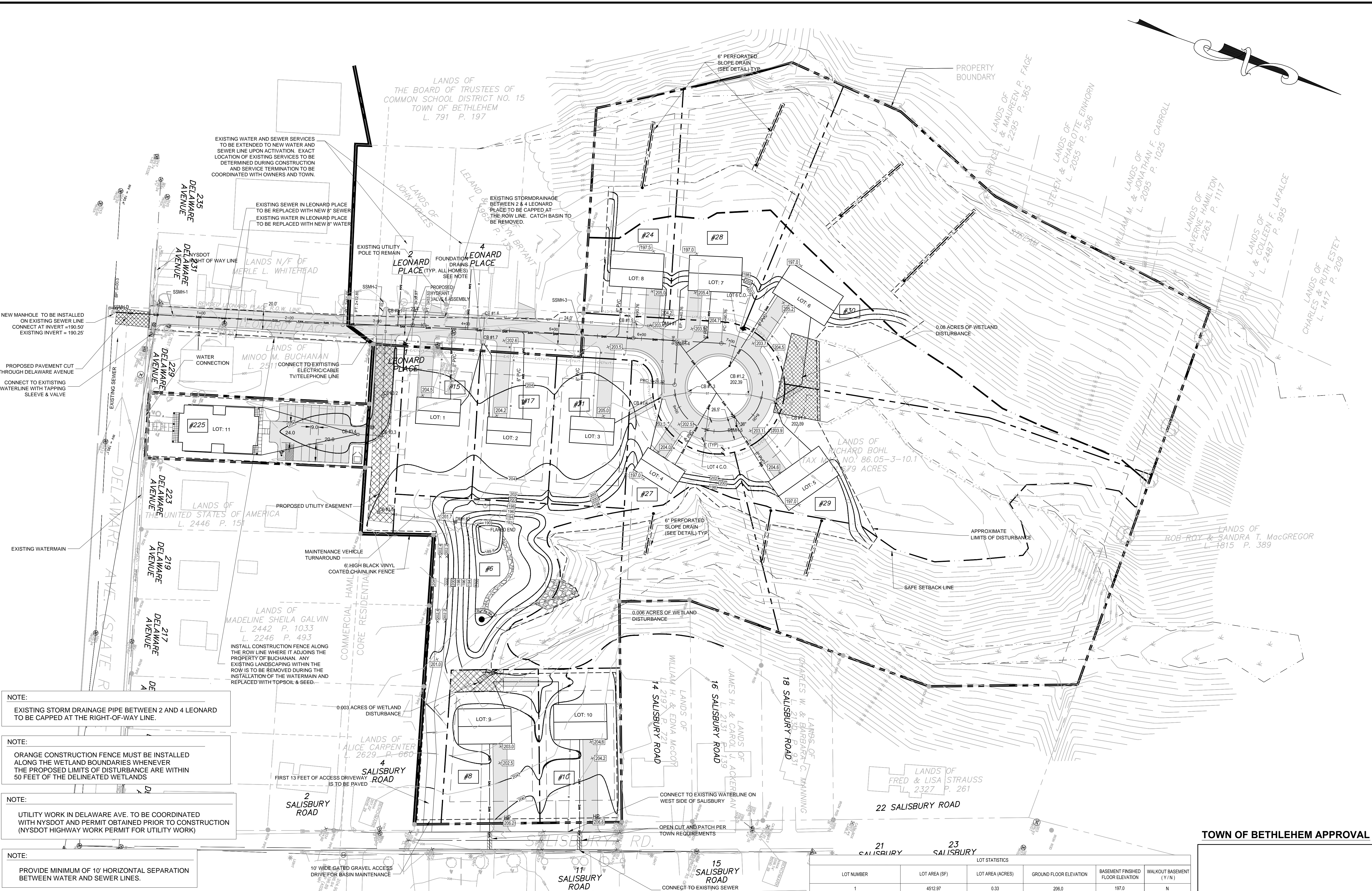
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MED: M.B.T.	DRAWN BY: T.A.R.	CHECKED: T.A.R.	DATE: 11/11/11
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THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK

GRADING AND DRAINAGE PLAN



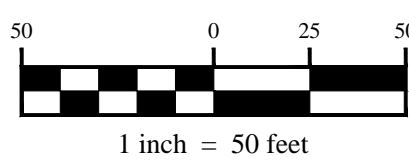
NOTE:
EXISTING STORM DRAINAGE PIPE BETWEEN 2 AND 4 LEONARD TO BE CAPPED AT THE RIGHT-OF-WAY LINE.

NOTE:
ORANGE CONSTRUCTION FENCE MUST BE INSTALLED ALONG THE WETLAND BOUNDARIES WHENEVER THE PROPOSED LIMITS OF DISTURBANCE ARE WITHIN 50 FEET OF THE DELINEATED WETLANDS

NOTE:
UTILITY WORK IN DELAWARE AVE. TO BE COORDINATED WITH NYSDOT AND PERMIT OBTAINED PRIOR TO CONSTRUCTION (NYSDOT HIGHWAY WORK PERMIT FOR UTILITY WORK)

NOTE:
PROVIDE MINIMUM OF 10' HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES.

- UTILITY NOTES:
- PRIOR TO ANY WORK ON SANITARY SEWER AND WATER, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE BETHLEHEM DEPARTMENT OF PUBLIC WORKS.
 - ALL UTILITIES TO BE INSTALLED IN ACCORDANCE WITH TOWN STANDARD DETAILS AND SPECIFICATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THESE MATERIALS FOR USE ON THE JOB.
 - UTILITY EASEMENTS WILL BE COORDINATED WITH THE TOWN UPON FINAL ACCEPTANCE OF PROPOSED UTILITY LOCATIONS.
 - TRANSFORMER(S) WILL BE PLACED AS REQUIRED BY THE SERVICE PROVIDER.
 - ELECTRIC AND TELEPHONE SERVICES TO BE PROVIDED TO EACH HOUSE. INDIVIDUAL SERVICES NOT SHOWN ON PLAN FOR CLARITY.
 - SEWER LATERALS TO BE PROVIDED TO EACH HOUSE (SEE DETAIL).
 - ALL SEWER LATERALS WITHIN THE R.O.W. SHALL BE 6" MIN
 - BACKFLOW PREVENTION DEVICE REQUIRED FOR COMMERCIAL BUILDING



LOT STATISTICS					
LOT NUMBER	LOT AREA (SF)	LOT AREA (ACRES)	GROUND FLOOR ELEVATION	BASEMENT FINISHED FLOOR ELEVATION	WALKOUT BASEMENT (Y/N)
1	4512.97	0.33	206.0	197.0	N
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STORMWATER MANAGEMENT LOT	48142.02	1.11	-	-	-

TOWN OF BETHLEHEM APPROVAL

THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK

UTILITIES PLAN

C 6

SHEET NUMBER 6 of 13

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P: 518-486-8800 F: 518-486-8801 WWW.CREIGHTONMANNING.COM

DESIGNED: M.B.T. DRAWN BY: T.A.R. CHECKED: M.B.T.

DATE: 06-17-2013 CME No.: 08-000 SCALE: AS NOTED

FINAL SUBDIVISION PLANS

UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN VIOLATES THE APPLICABLE STATE AND LOCAL LAWS

REVISION

NO. DATE BY

9 Revised Sanitary Sewer 6/17/13 MBT

8 Final Submission 11/07/11 MBT

7 Town Rev. Comments 06/02/11 MBT

6 Town Rev. Comments 03/09/11 MBT

5 Town Rev. Comments 01/21/11 MBT

4 Town Rev. Comments 12/01/10 MBT

3 Town Rev. Comments 09/30/10 MBT

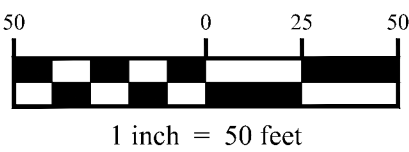
2 Town Rev. Comments 05/14/10 MBT

1 Town Comments 02/10/09 MBT

RICHARD BOHL
P.O. BOX 7
GLENMONT, NEW YORK 12077

PLANTING NOTES:

- THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO COMMENCING PLANTING WORK AND NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF CONDITIONS DETRIMENTAL TO NEW AND EXISTING PLANT MATERIAL ARE ENCOUNTERED.
- PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS. CALL 1-800-962-7962 OR VISIT WWW.DIGSAFELYNEWYORK.COM FOR MORE INFORMATION.
- THE CONTRACTOR SHALL STAKE LOCATIONS OF ALL PLANT MATERIALS PRIOR TO INSTALLATION. NOTIFY THE OWNER'S REPRESENTATIVE WHEN STAKING IS COMPLETE AT WHICH TIME A MEETING WILL TAKE PLACE WITH ARCHITECT TO DETERMINE FINAL LOCATIONS.
- THE CONTRACTOR SHALL INSTALL 4" OF TOPSOIL AND SEED ALL AREAS DISTURBED AS A RESULT OF NEW CONSTRUCTION WITH PROSCAPE SUN AND SHADE MIX BY LEBANON TURF PRODUCTS OR APPROVED EQUAL.
- ALL PLANTING BEDS THAT ARE ADJACENT TO BUILDINGS AND DO NOT INCLUDE A DRIP EDGE SHALL RECEIVE WEED CONTROL FABRIC AND 3" OF # 2 WASHED COBBLE. ALL PLANTING BEDS THAT INCLUDE A DRIP EDGE SHALL RECEIVE 3" SHREDDED BARK MULCH, WEED CONTROL FABRIC AND A GARDEN SPADE EDGE BETWEEN THE EDGE OF THE BED AND DRIP EDGE. STREET TREES SHALL RECIEVE THE SAME BARK MULCH TREATMENT WITH NO WEED CONTROL FABRIC.



BASIN PLANTING:

- * NORTHERN ARROWHEAD, SOFTSTEM BULRUSH, AND WITCH HAZEL - ALTERNATIVELY PLANTED AT 18-24" O.C. TOTAL QUANTITY = 300 (100 EACH SPECIES)
- SEED: NORTHEAST WETLAND HUMMOCK MIX @ 18 LBS/ACRE

*ALL PLANTING TO TAKE PLACE DURING THE SPRING OR FALL

SCHEDULE

KEY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
PO		QUERCUS PALUSTRIS	PIN OAK	2.5 - 3" CAL.	8
SG		FRAXINUS PENSYLVANICA 'SUMMIT'	SUMMIT GREEN ASH	2.5 - 3" CAL.	18
AR		THUJA ACCIDENTALS 'EMERALD'	EMERALD GREEN ARBORVITAE	5-6' HT	16
AF		ACER X FREEMANII 'AUTUMN BLAZE'	AUTUMN BLAZE RED MAPLE	2.5 - 3" CAL.	17
PP		PICEA PUNGENS 'HOOPS'	COLORADO SPRUCE (HOOPS)	7' HT	27

TOWN OF BETHLEHEM APPROVAL

THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK

LANDSCAPING PLAN

C 7

SHEET NUMBER 7 of 13



DESIGNED: M.B.T. | DRAWN BY: T.A.R. | CHECKED: M.B.T.

UNAUTHORIZED ALTERATION OR ADDITION
 APPLICABLE STATE AND LOCAL LAWS

FINAL SUBDIVISION PLANS

RICHARD BOHL
P.O. BOX 7
GLENMONT, NEW YORK 12077

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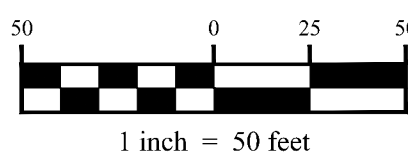
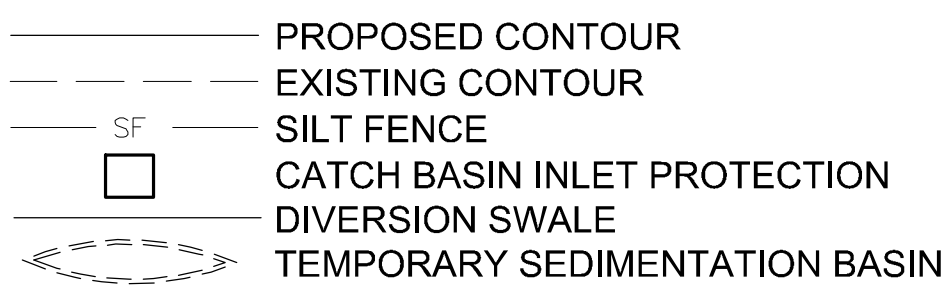
NOTE:

CONSTRUCTION OF HOMES ALONG TOP OF SLOPE AND SLOPE DRAINS SHALL CONFORM TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT BY: VERNON HOFFMAN, P.E., DATED: FEBRUARY 8, 2007.

NOTE:

ALL CONTROLLED FILL SHALL BE CERTIFIED BY A LICENSED SOILS ENGINEER THAT PLACEMENT OF THE MATERIAL WAS DONE IN A MANNER SUITABLE FOR THE CONSTRUCTION OF THE ROAD AND INSTALLATION OF THE WATER MAIN, STORM SEWERS AND SANITARY SEWERS.

EROSION CONTROL LEGENND



1 inch = 50 feet

GENERAL EROSION & SEDIMENT CONTROL NOTES:

1. THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AND DETAILS AS SHOWN HEREIN, AND STIPULATED WITHIN STATE STANDARDS SHALL BE FOLLOWED AND INSTALLED IN A MANNER SO AS TO MINIMIZE SEDIMENT LEAVING THE SITE.
2. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS.
3. EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
4. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR THE LOCAL JURISDICTION INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
7. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
8. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
9. ALL CUT AND FILL SLOPES MUST BE SURFACED, ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
10. CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
12. SEE DETAIL SHEETS FOR EROSION CONTROL DETAILS.
13. THE STORMWATER MANAGEMENT SYSTEM SHALL BE INSTALLED AS EARLY AS POSSIBLE IN THE CONSTRUCTION PHASING.
14. ALL OPEN DRAINAGE SWALES TO BE STABILIZED WITH GRASS AND/OR RIP-RAP AS QUICKLY AS POSSIBLE.

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES:

TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROLS ARE PRESENTED HEREIN TO ASSIST THE OPERATOR WITH THE PROJECT'S SPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY. TO THE EXTENT CONSTRUCTION EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IMMEDIATELY BEFORE THE ASSOCIATED PROJECT AREAS ARE DISTRIBUTED, IN ANTICIPATION OF SOIL DISTURBING ACTIVITIES. BASED UPON NYSDEC REGULATIONS, TOTAL DISTURBANCE DURING CONSTRUCTION SHALL BE KEPT AT LESS THAN 5 ACRES AT ANY GIVEN TIME.

THE FOLLOWING IS A GENERAL SEQUENCE OF THE MAJOR CONSTRUCTION ACTIVITIES ANTICIPATED TO OCCUR ON THE PROJECT SITE:

1. SITE PREPARATION - SILT FENCE WILL BE INSTALLED ON THE DOWN SLOPE OF THE LIMITS OF GRADING AND OTHER AREAS WHERE SILTATION IS ANTICIPATED, AS SHOWN ON THE SITE PLANS. THE SILT FENCE SHALL REMAIN IN PLACE UNTIL ALL AREAS UPGRADIENT ARE STABILIZED. A TEMPORARY CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED AS SHOWN ON THE DRAWINGS TO CAPTURE MUD AND DEBRIS FROM THE CONSTRUCTION VEHICLES BEFORE ENTERING THE PUBLIC WAY. CLEARING AND DISTURBANCE AT THIS PHASE SHALL BE LIMITED TO THE WORK NECESSARY TO INSTALL THE TEMPORARY SEDIMENT CONTROL MEASURES AND DEVICES.
2. ROUGH GRADING - TREES AND VEGETATION WITHIN THE DISTURBANCE LIMITS WILL BE REMOVED, AND TOPSOIL STRIPPING AND STOCKPILING WILL TAKE PLACE FOR LATER USE IN LANDSCAPE AREAS. EARTHWORK TO ROUGH GRADE THE SITE TO APPROXIMATE FINISHED GRADES WILL OCCUR, AND ADDITIONAL REQUIRED SITE FENCE WILL BE INSTALLED. THE STORMWATER MANAGEMENT BASIN WILL BE CONSTRUCTED, AND THE SITE WILL BE GRADED TO DRAIN TO THE BASIN UNTIL THE CLOSED PIRING SYSTEM IS INSTALLED. IN ACCORDANCE WITH NYSDEC REGULATIONS, THE TOTAL DISTURBED AREA AT ANY GIVEN TIME SHALL BE KEPT AT LESS THAN FIVE (5) ACRES.
3. HOME SITE PREPARATION - THE PROPOSED HOME SITES SHALL BE GRADED TO ESTABLISH THE FINISHED FLOOR ELEVATION. THE HOMES MAY OR MAY NOT BE CONSTRUCTED WHILE THE REMAINDER OF THE SITE WORK IS UNDERWAY, DEPENDING ON MARKET CONDITIONS AND DEMAND.
4. UTILITY INSTALLATION - WATER, SEWER, DRAINAGE, AND OTHER UNDERGROUND UTILITIES (ELECTRIC, TELEPHONE, GAS, CABLE, ETC.) WILL BE INSTALLED UPON ESTABLISHMENT OF ROUGH SUBGRADES, AND AFTER THE REQUIRED FILL IS COMPACTED PER SPECIFICATIONS.
5. ROADWAY PAVING - THE ROADWAY WILL BE PAVED, AND IF ANY OF THE HOMES ARE COMPLETE AT THIS POINT, THE DRIVEWAYS WILL BE PAVED ALSO.
6. FINAL GRADING AND LANDSCAPING - TOPSOIL WILL BE SPREAD ON AREAS TO BE LANDSCAPED AND AREAS WILL BE PLANTED AND SEEDED IN ACCORDANCE WITH THE APPROVED DESIGN PLANS. ALL DISTURBED AREAS SHALL BE STABILIZED. STABILIZATION SHALL TAKE PLACE AS SOON AS POSSIBLE IN PORTIONS OF THE SITE WHERE THE CONSTRUCTION ACTIVITIES HAVE CEASED FOR A PERIOD OF 14 DAYS.

TOWN OF BETHLEHEM APPROVAL

NOTE:

ORANGE CONSTRUCTION FENCE MUST BE INSTALLED ALONG THE WETLAND BOUNDARIES WHENEVER THE PROPOSED LIMITS OF DISTURBANCE ARE WITHIN 50 FEET OF THE DELINEATED FEDERAL WETLANDS

FINAL SUBDIVISION PLANS

RICHARD BOHL
P.O. BOX 7
GLENMONT, NEW YORK 12077

UNLESS OTHERWISE SPECIFIED, ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE STATE AND LOCAL LAWS.

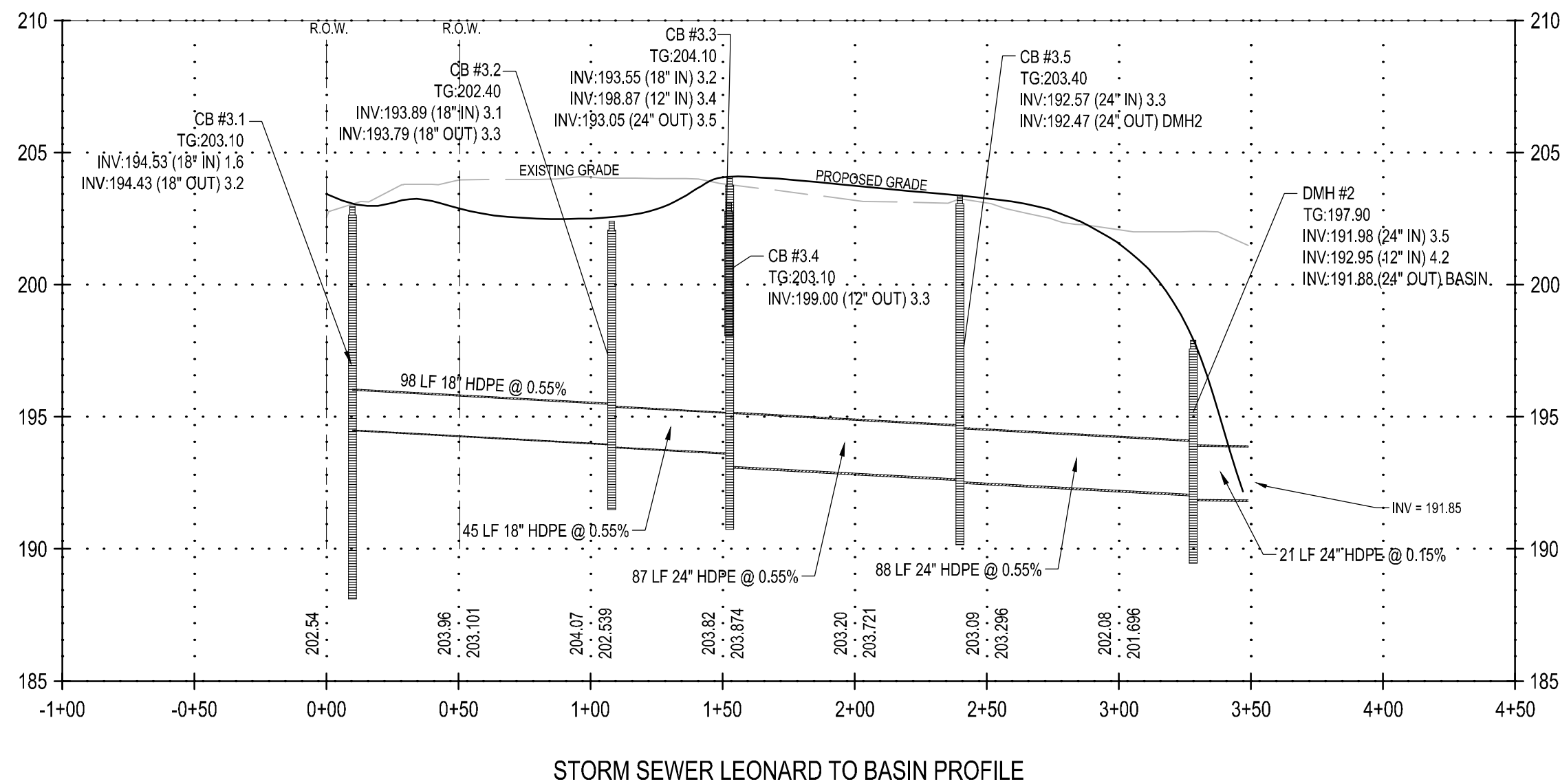
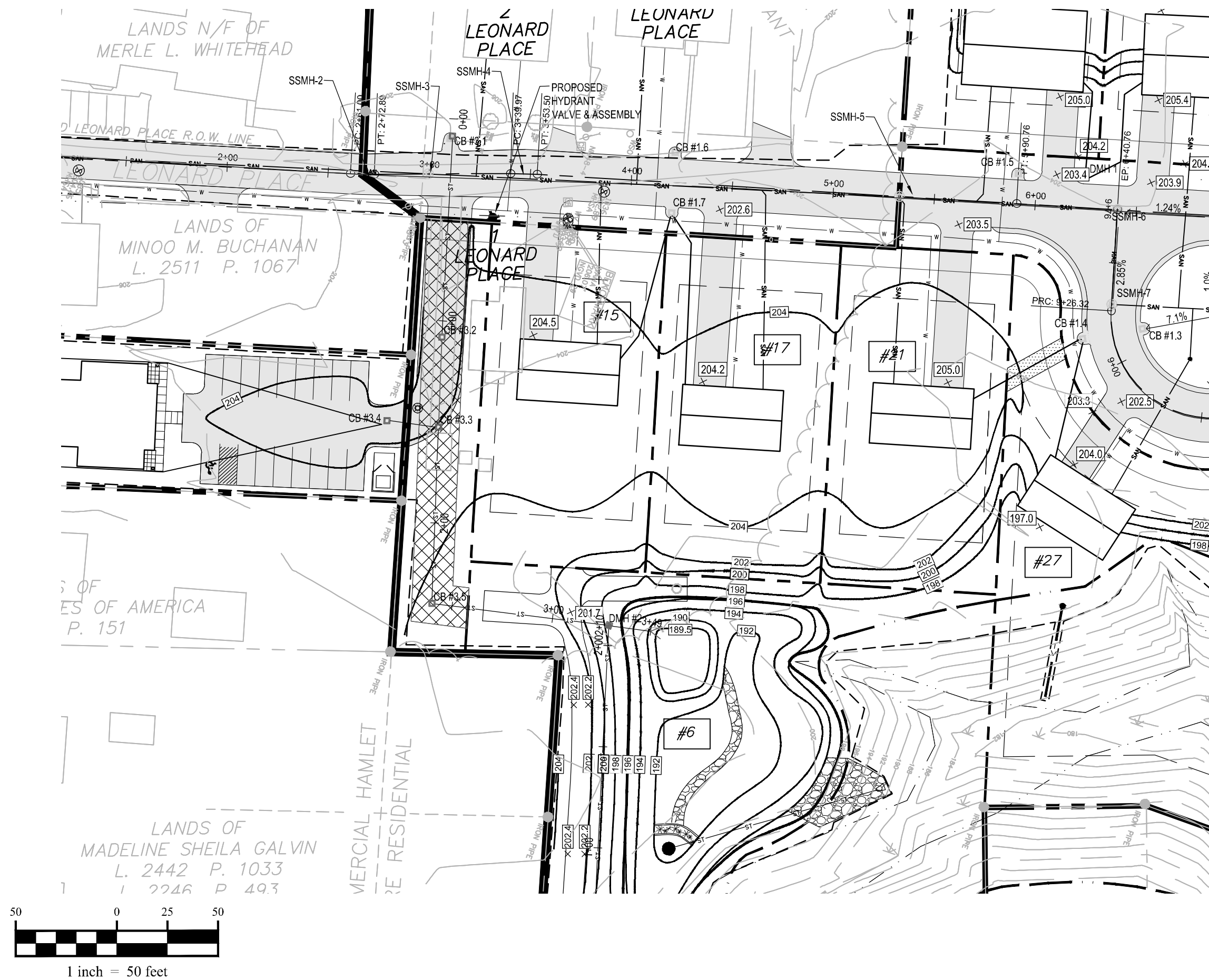


THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK
EROSION AND SEDIMENT
CONTROL PLAN

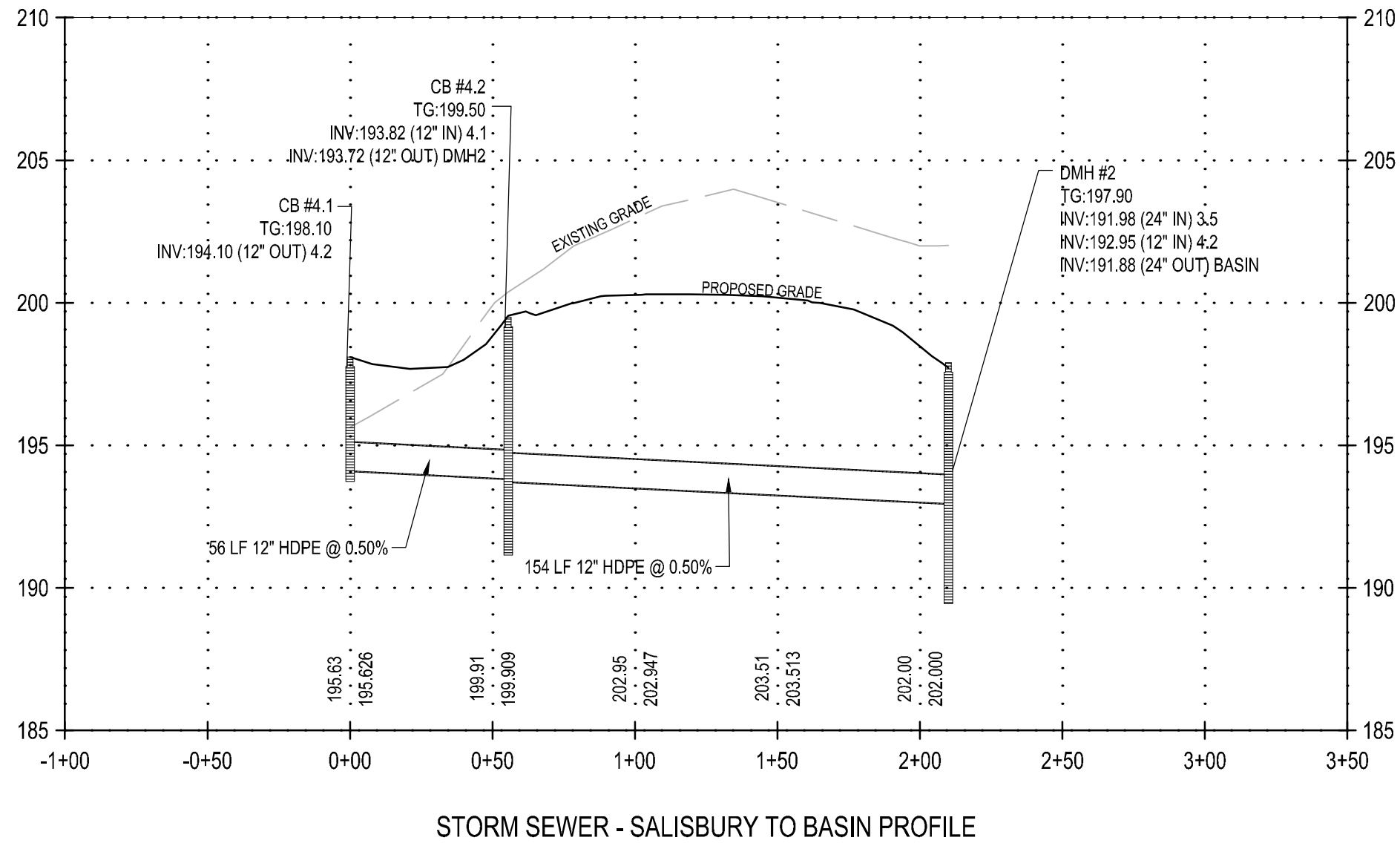
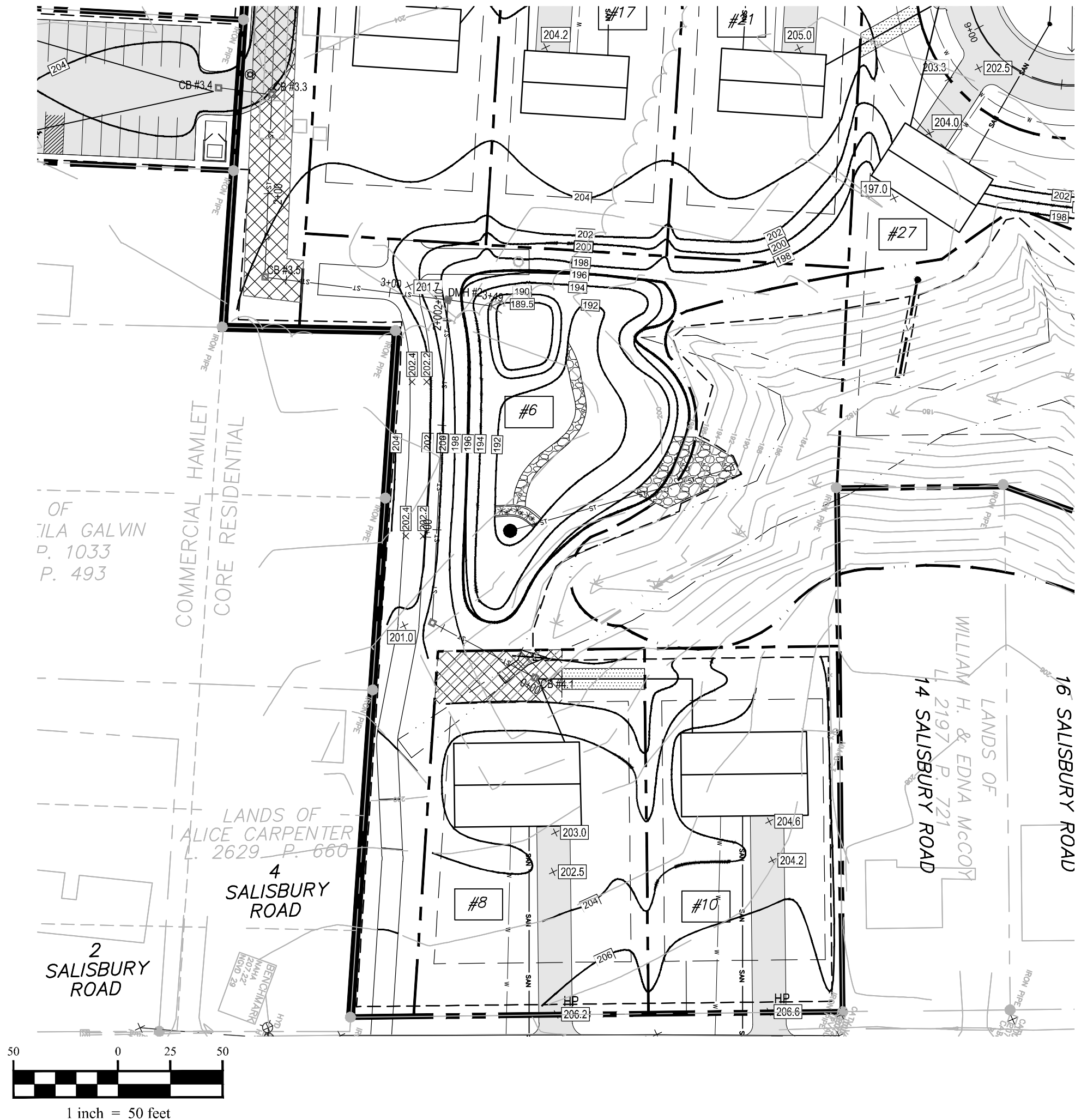
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SHEET NUMBER 8 of 13

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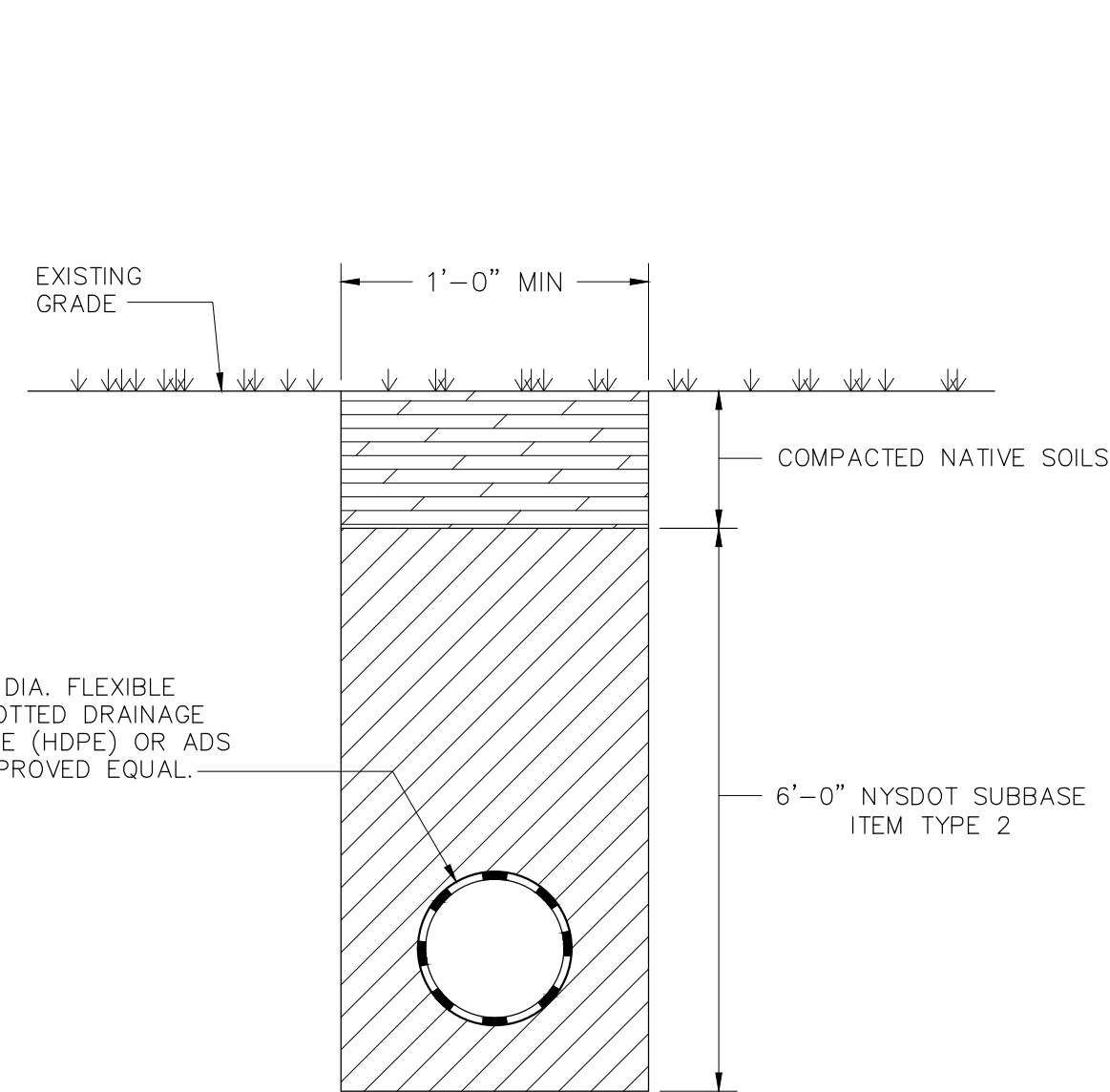
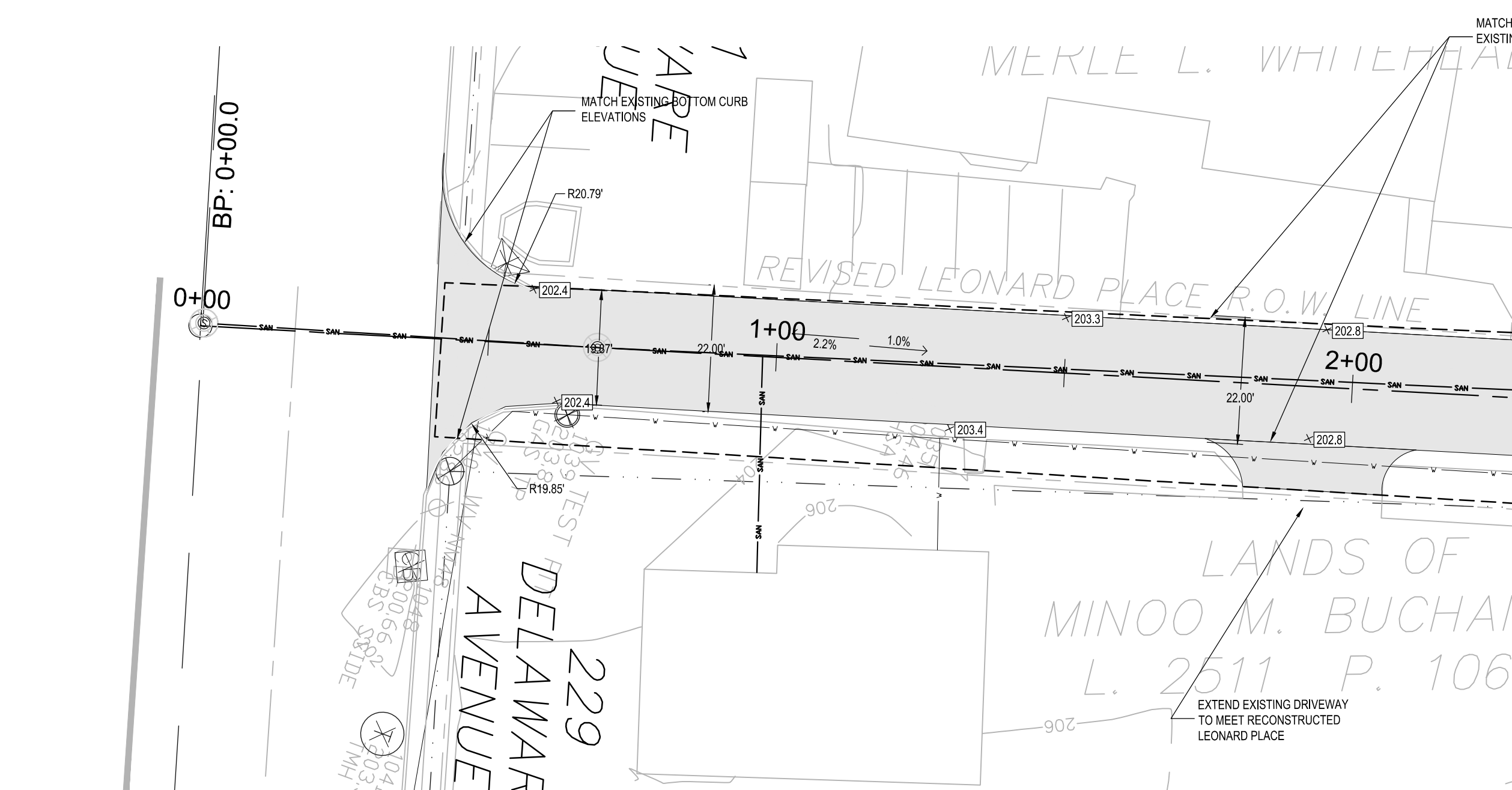


STORM PROFILE FROM LEONARD PLACE TO BASIN
 VERTICAL SCALE: 1" = 50'
 HORIZONTAL SCALE: 1" = 5'



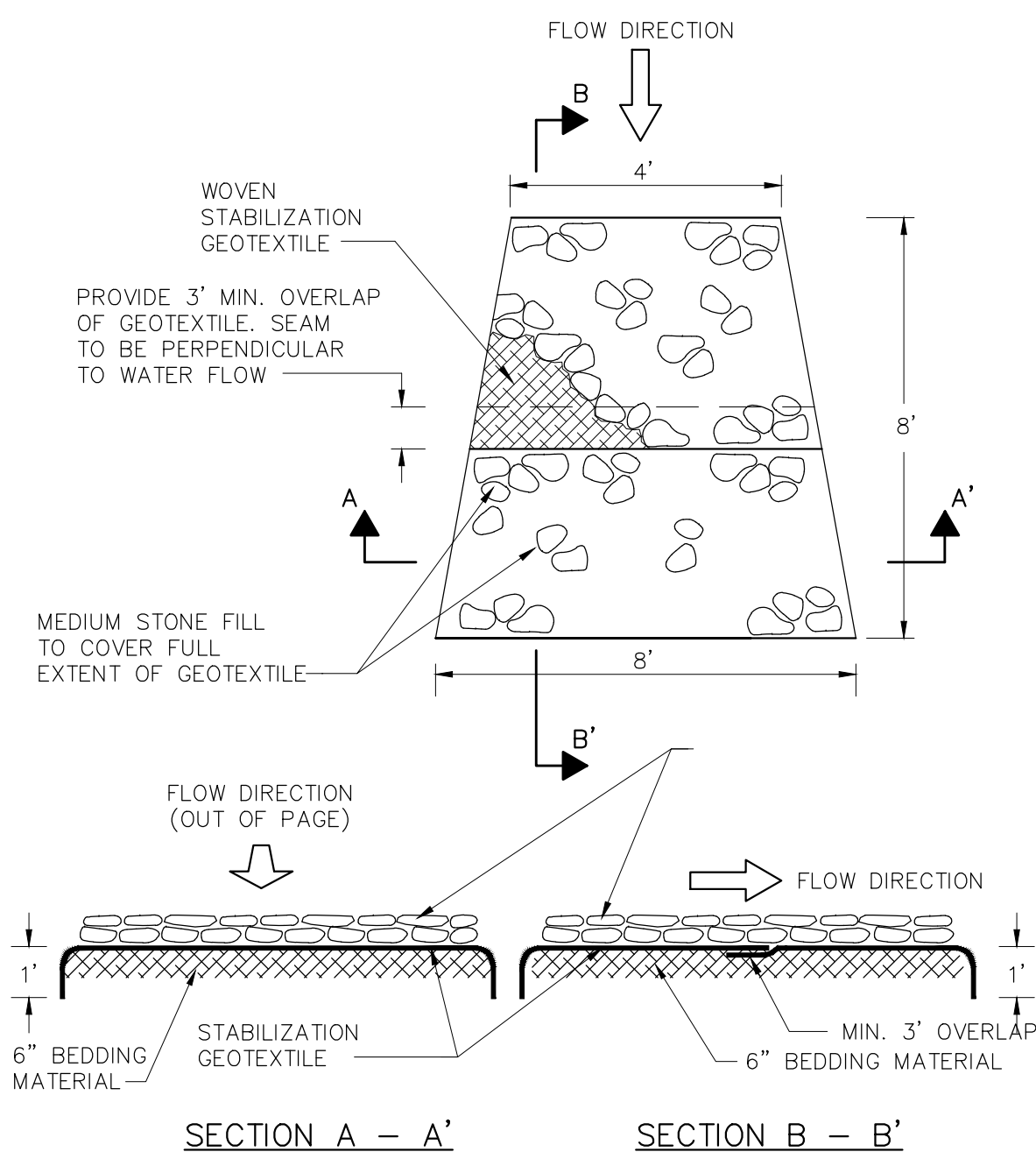
STORM PROFILE FROM SALISBURY ROAD TO BASIN
 VERTICAL SCALE: 1" = 50'
 HORIZONTAL SCALE: 1" = 5'

THE PINES AT NORMANSIDE LEONARD PLACE TOWN OF BETHLEHEM, NEW YORK		STORM PROFILES		DATE: 11-07-2011	CME No.: 08-000	SCALE: AS NOTED	DESIGNED: M.B.T.	DRAWN BY: T.A.R.	CHECKED: M.B.T.
C 10		SHEET NUMBER 10 of 13							
FINAL SUBDIVISION PLANS		UNAUTHORIZED ALTERATION OR ADDITION TO THIS PLAN WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER IS PROHIBITED.							
RICHARD BOHL P.O. BOX 7 GLENMONT, NEW YORK 12077		NO.		REVISION					
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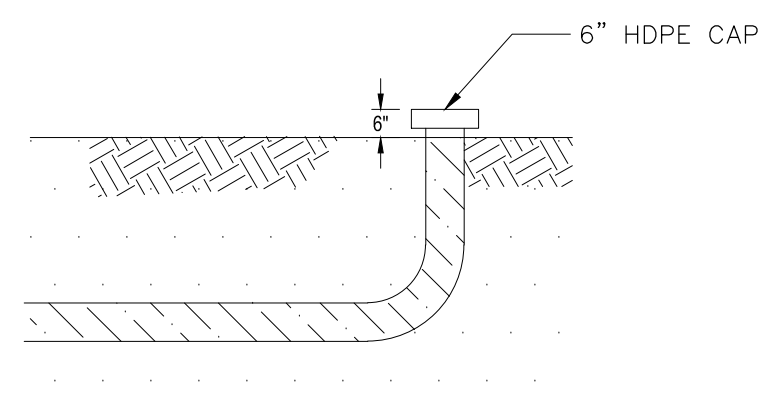
NOTE:
DRAIN TO CONFORM TO RECOMMENDATIONS
IN THE GEOTECHNICAL REPORT BY VERNON
HOFFMAN, DATED 2/8/07

SLOPE DRAIN SECTION
NOT TO SCALE



SECTION A - A' SECTION B - B'
RIP RAP OUTLET DETAIL
NOT TO SCALE

NOTE:
TOP OF SLOPE END OF DRAIN TO TURN 90° UP
AND EXTEND 6" ABOVE FINISHED GRADE. END
TO BE CAPPED W/ 6" HDPE CAP.



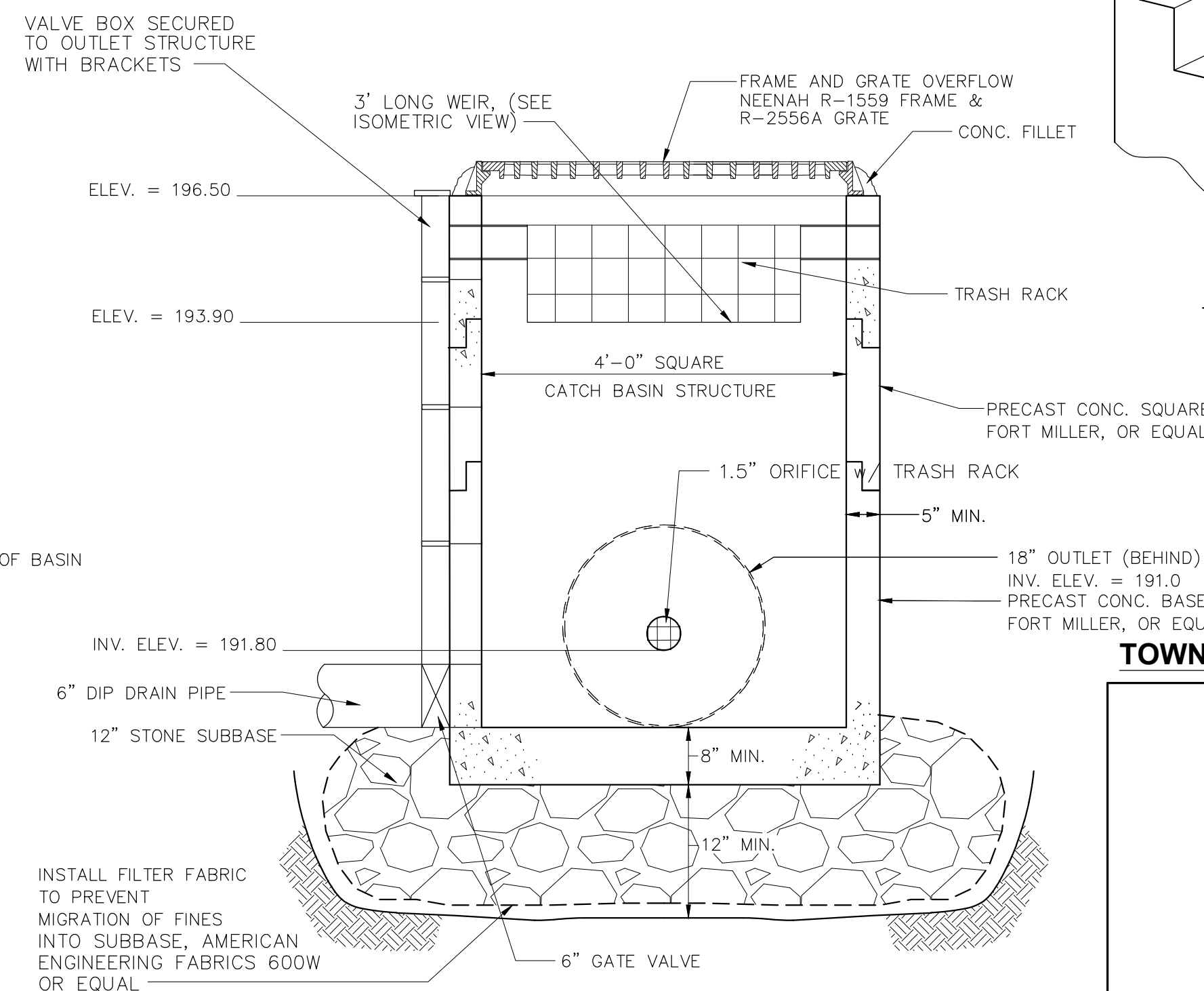
END DRAIN DETAIL
NOT TO SCALE

STONE APRON SIZING REQUIREMENT TABLE "A"						
CULVERT DIA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH (FT)
12"	<8 8-10	LIGHT	6"	9'-12"	18	10
		MEDIUM	6"	9'-12"	24	10
		HEAVY	6"	9'-12"	36	10
18"	<4 4-6 6-8 8-10	LIGHT	6"	9'-12"	18	12
		MEDIUM	6"	9'-12"	24	12
		HEAVY	6"	9'-12"	36	12
24"	<3 3-4 4-6	LIGHT	6"	9'-12"	18	16
		MEDIUM	6"	9'-12"	24	16
		HEAVY	6"	9'-12"	36	16
30"	<1 1-2 2-4 4-6	LIGHT	6"	9'-12"	18	20
		MEDIUM	6"	9'-12"	24	20
		HEAVY	6"	9'-12"	36	20
36"	<2 2-3 3-5	LIGHT	6"	9'-12"	18	24
		MEDIUM	6"	9'-12"	24	24
		HEAVY	6"	9'-12"	36	24
42"	<1 1-2 2-3	LIGHT	6"	9'-12"	18	28
		MEDIUM	6"	9'-12"	24	28
		HEAVY	6"	9'-12"	36	28
48"	<1 1-2 2-3	LIGHT	6"	9'-12"	18	32
		MEDIUM	6"	9'-12"	24	32
		HEAVY	6"	9'-12"	36	32

$\Delta = 90^{\circ}-00'-00''$
 $R \text{ } \phi = 25'$
 $R \text{ } \phi = 50'$
 $R \text{ } E/P = 35.5'$
 $R \text{ } E/R = 38.0'$
 $L \text{ } E/R = 59.69'$

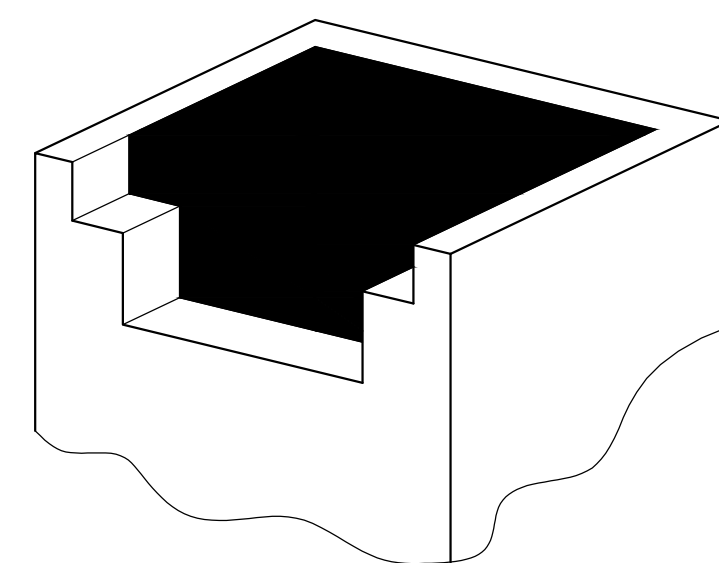
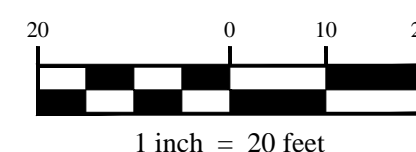
NOTE:
GRADE AT ROW LINE TO BE BETWEEN 10" TO
22" ABOVE E.O.P. (TYP)

ROAD DETAILS



OUTLET STRUCTURE DETAIL
NOT TO SCALE

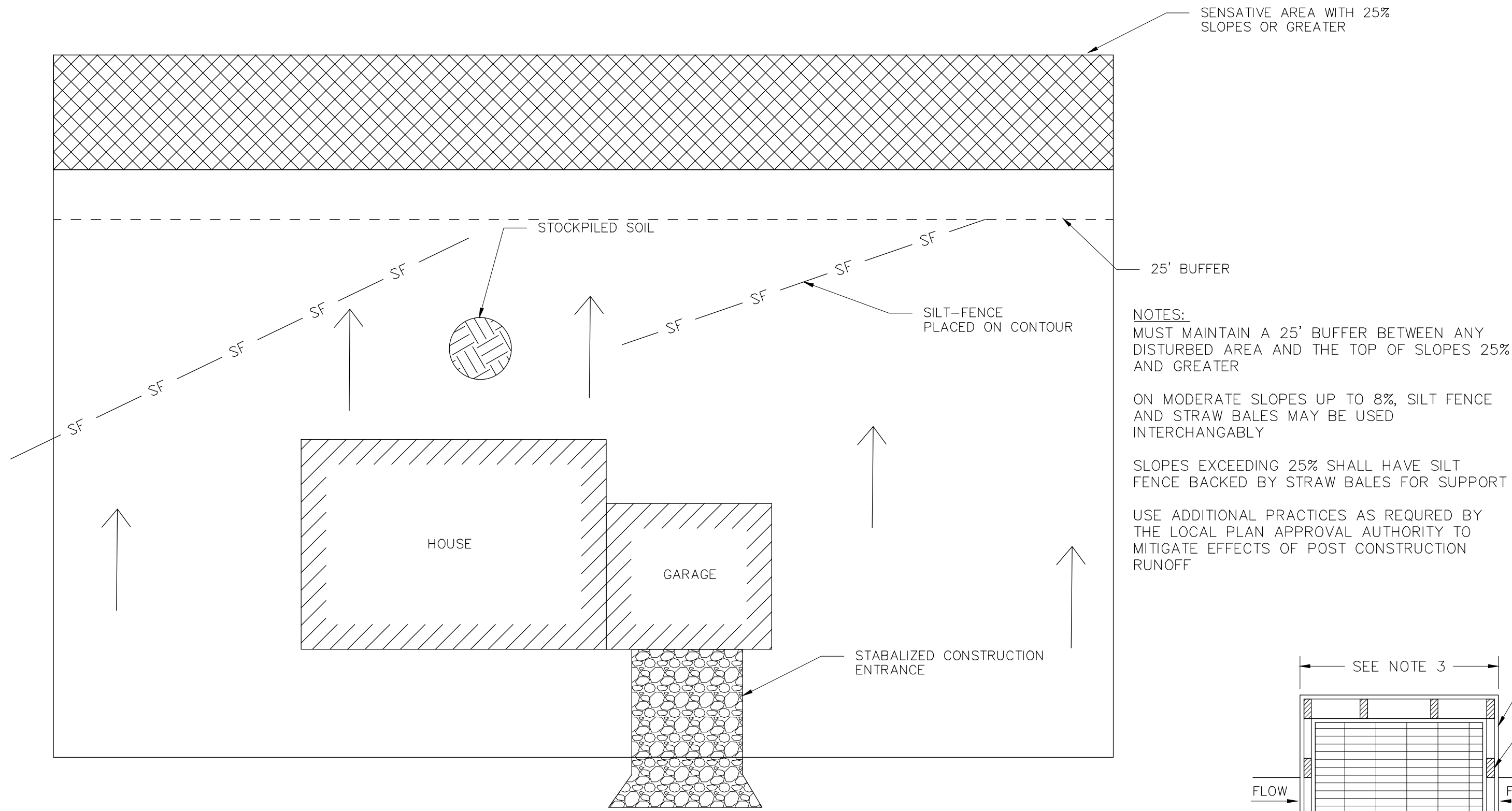
NOTE: OUTLET STRUCTURE TO MEET THE REQUIREMENTS
OF THE TOWN OF BETHLEHEM



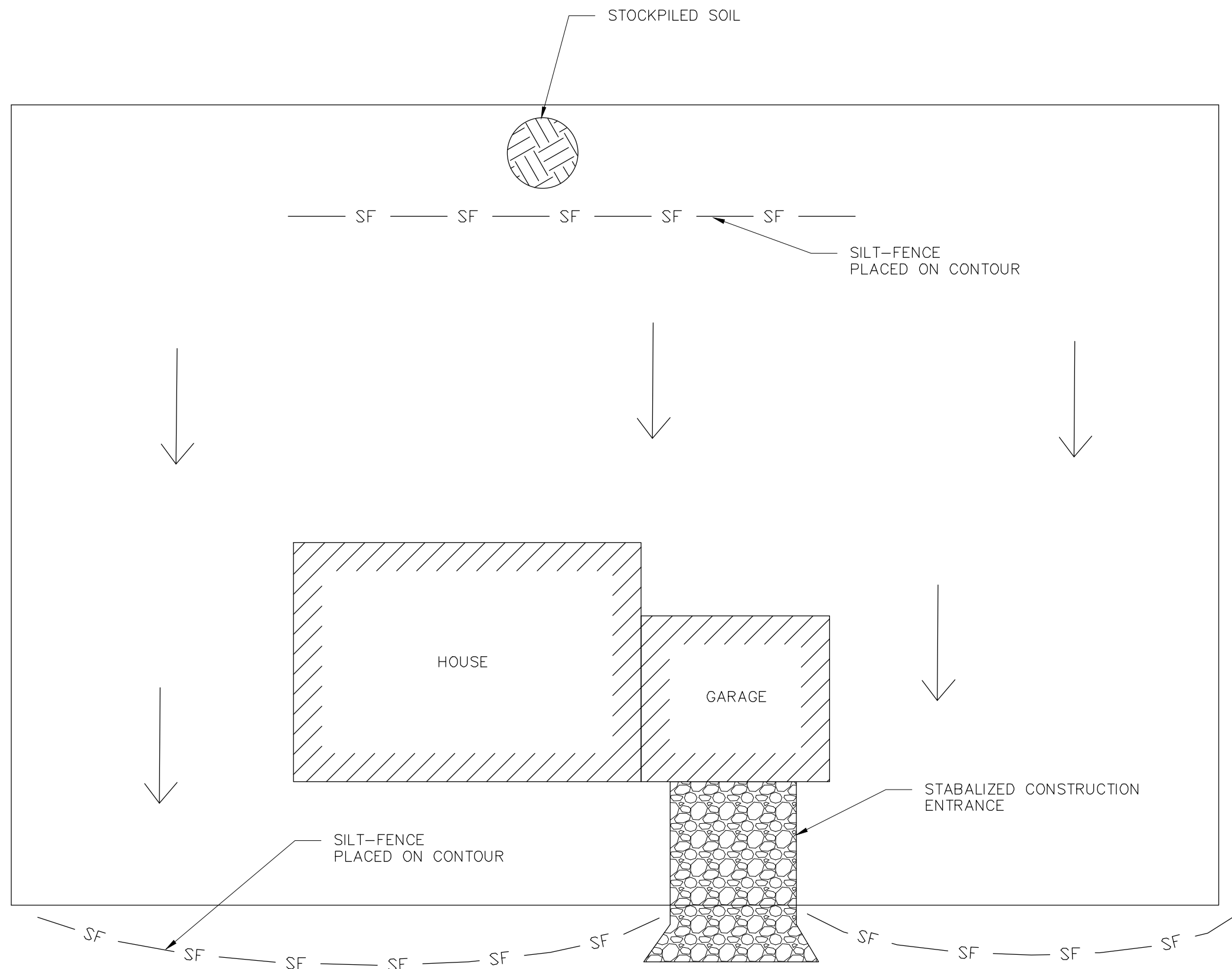
ISOMETRIC VIEW OF WEIR

TOWN OF BETHLEHEM APPROVAL

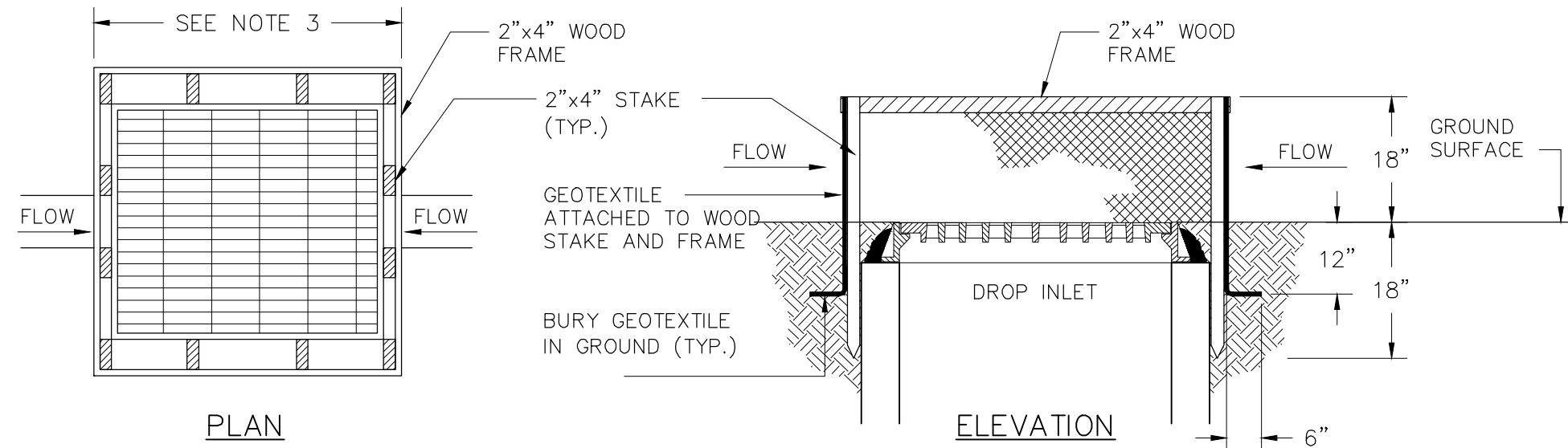
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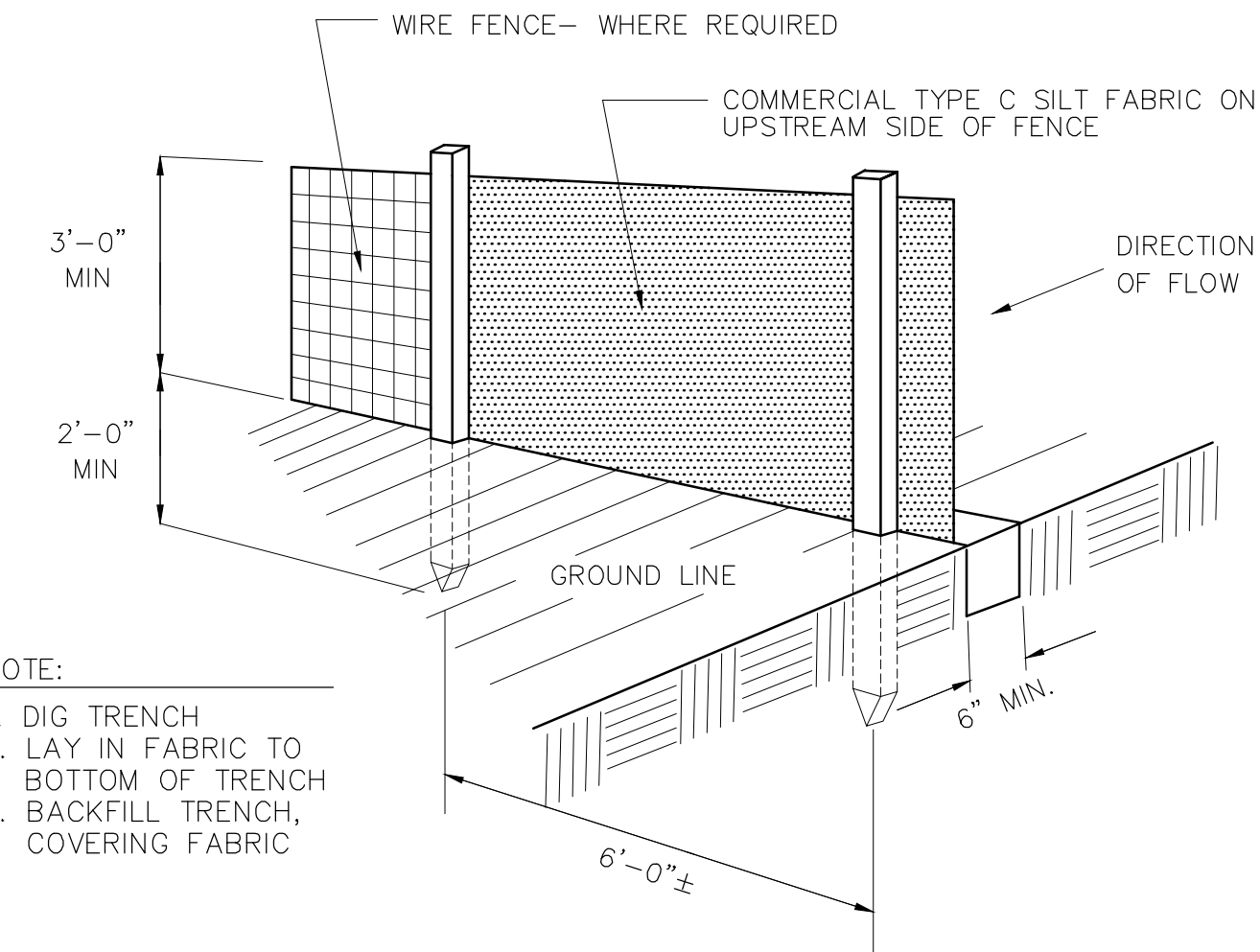
TYPICAL HOUSE SOIL EROSION CONTROL PLAN
NOT TO SCALE



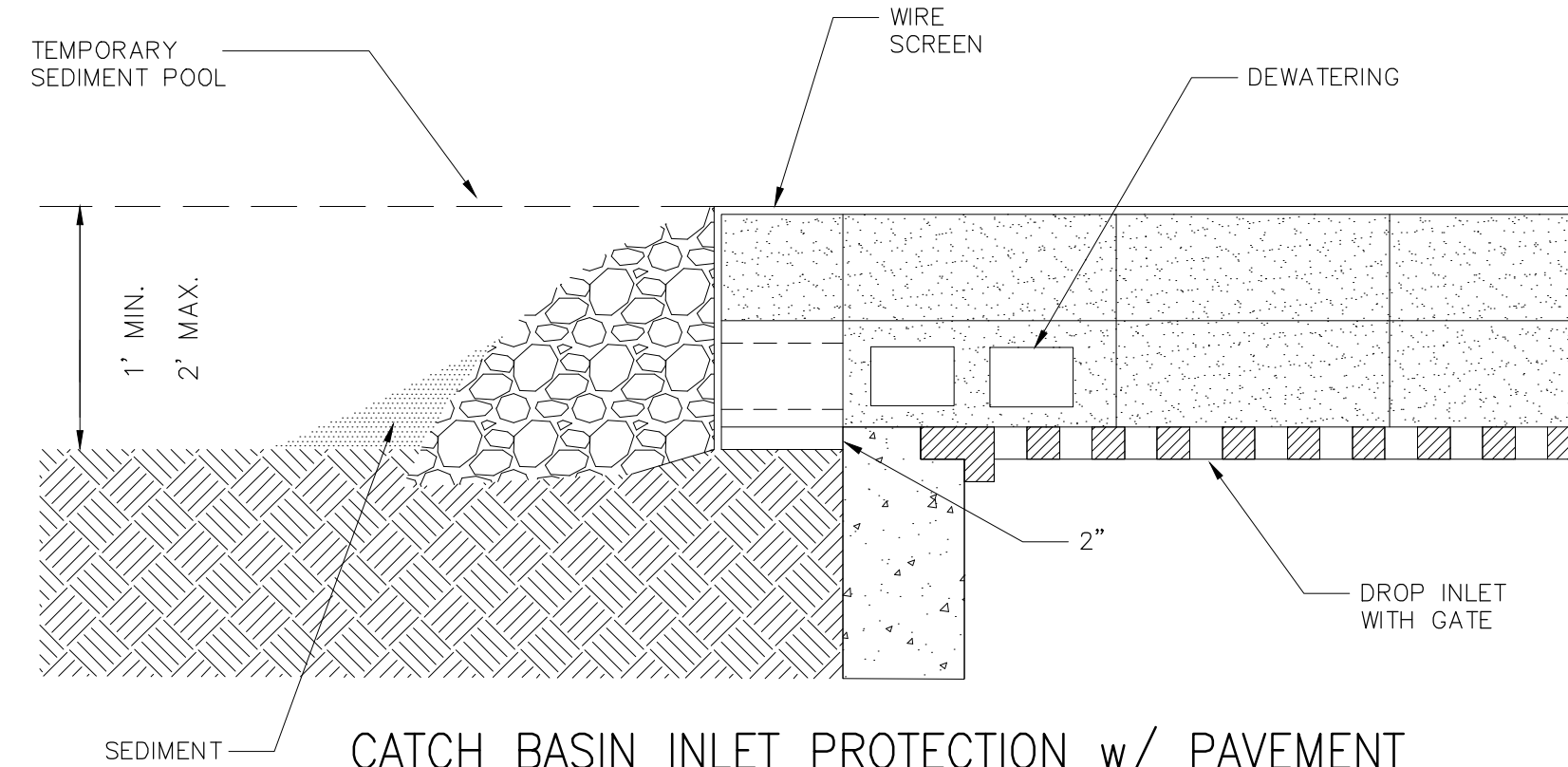
TYPICAL HOUSE SOIL EROSION CONTROL PLAN
NOT TO SCALE



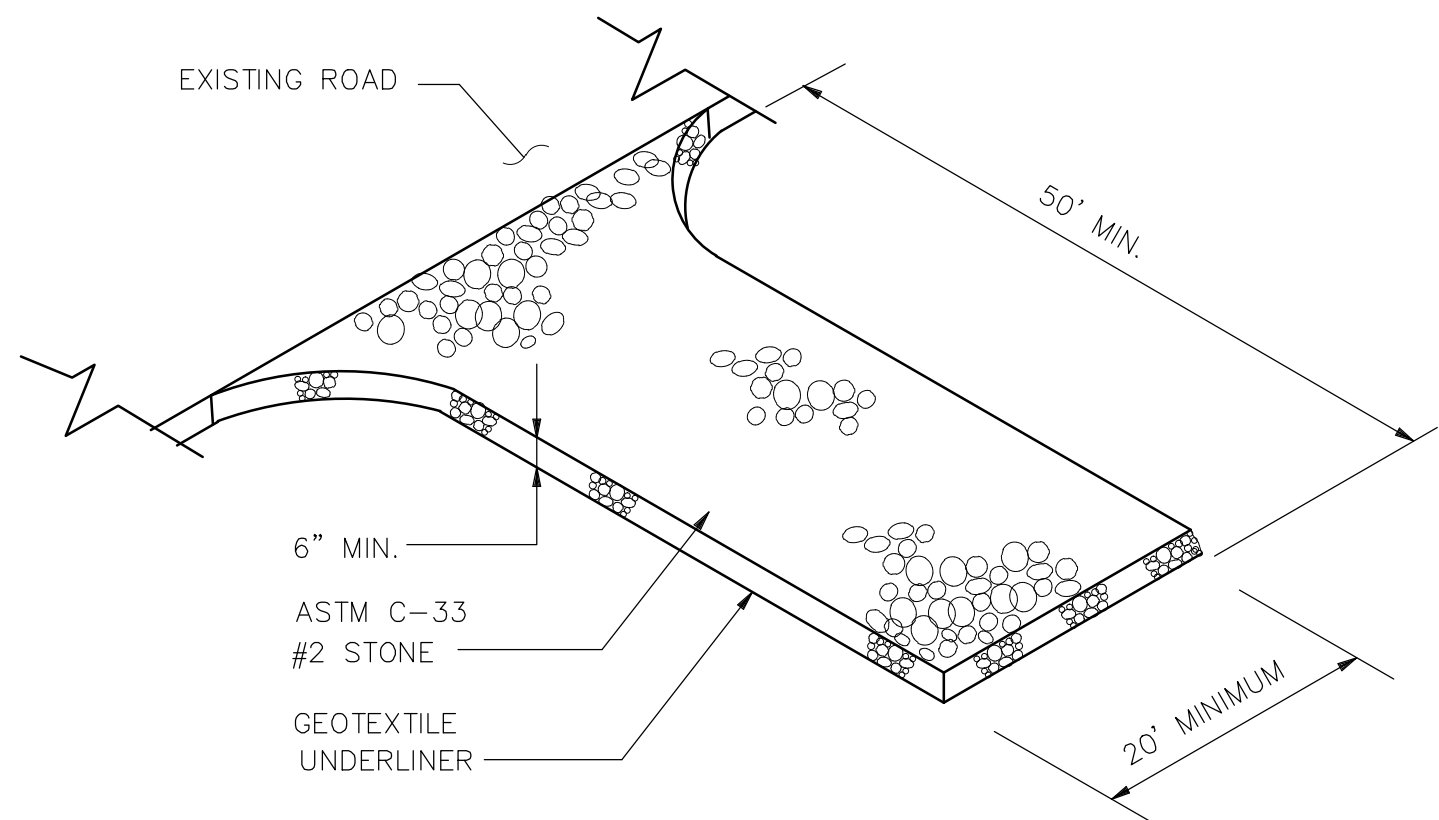
CATCH BASIN INLET PROTECTION (NO PAVEMENT)
NOT TO SCALE



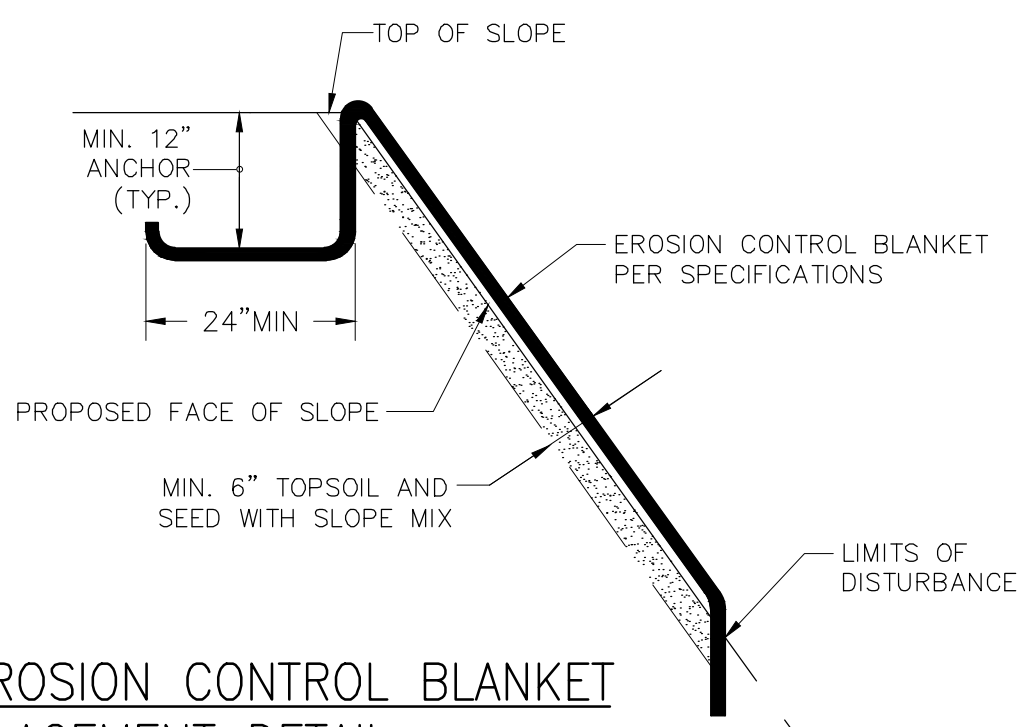
SILT FENCE DETAIL
NOT TO SCALE



CATCH BASIN INLET PROTECTION w/ PAVEMENT
NOT TO SCALE



CONSTRUCTION EXIT DETAIL
NOT TO SCALE



EROSION CONTROL BLANKET
PLACEMENT DETAIL
NOT TO SCALE

- NOTES:
- GEOTEXTILE SHALL BE CUT FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF ANY JOINTS ARE NECESSARY THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 - STAKE MATERIAL WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - SPACE STAKES EVENLY AROUND INLET WITH A MAXIMUM SPACING OF 3 FEET. DRIVE STAKES 18" MINIMUM INTO GROUND. WIRE MESH MAY BE REQUIRED BEHIND GEOTEXTILE TO PROVIDE SUPPORT.
 - GEOTEXTILE SHALL BE EMBEDDED 12" BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO STAKES AND FRAME.
 - A 2"x4" WOOD FRAME SHALL BE FORMED AROUND THE CREST OF FABRIC FOR OVERFLOW STABILITY.
 - INLET PROTECTION TO REMAIN IN-PLACE UNTIL AREA IS STABILIZED.

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
 - ALL SILT FENCE MATERIALS MUST BE LISTED ON THE CURRENT STATES, D.O.T. QUALIFIED PRODUCTS LIST.
- POSTS: STEEL EITHER T OR U TYPE.
FENCE: WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING.
FILTER CLOTH: FILTER X, MIRAFI 100X STABILINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL.

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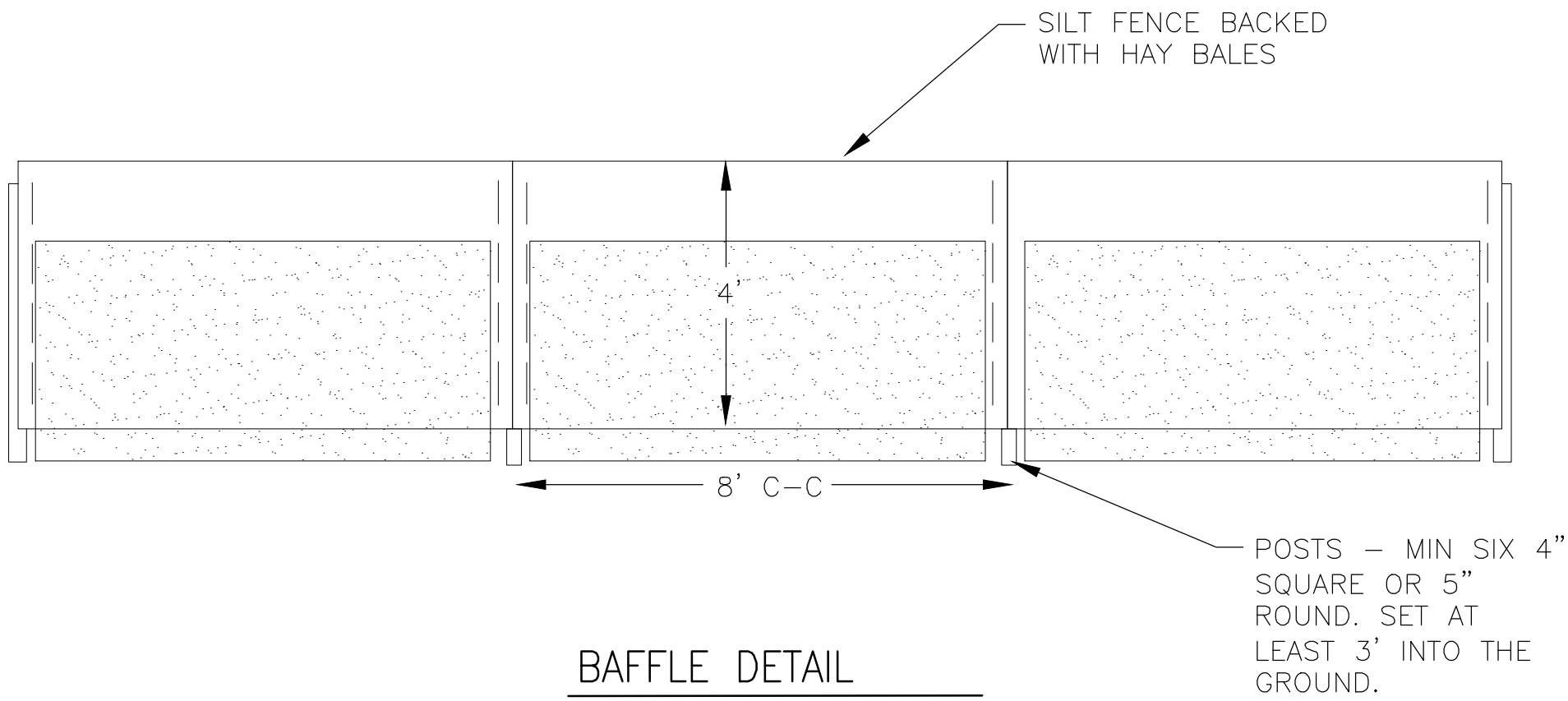
UNAUTHORIZED ALTERATION OR ADDITION APPLICABLE STATE AND/OR LOCAL LAWS	Creighton Manning Engineering, LLP 200 West 14th Street P.O. Box 448-0286 Ft. Collins, CO 80521-4486 P: 970.448-0286 F: 970.448-0287 WWW.CMELLP.COM
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THE PINES AT NORMANSIDE LEONARD PLACE TOWN OF BETHLEHEM, NEW YORK	SOIL & EROSION CONTROL DETAILS
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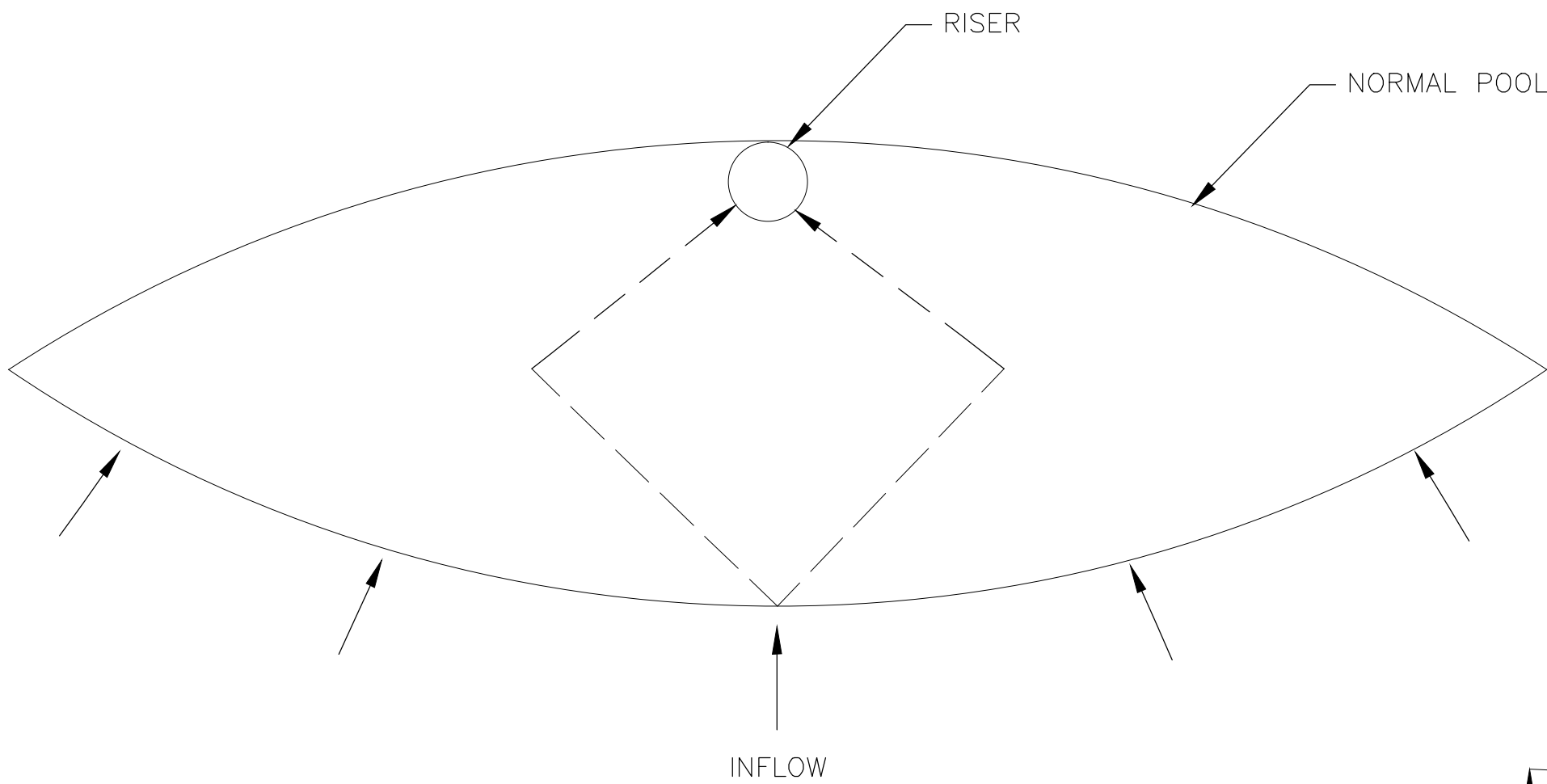
C 12	SHEET NUMBER 12 of 13
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DATE: 11-07-2011	CME No.:	SCALE: AS NOTED	DESIGNED: M.B.T.	DRAWN BY: T.A.R.	CHECKED: M.B.T.
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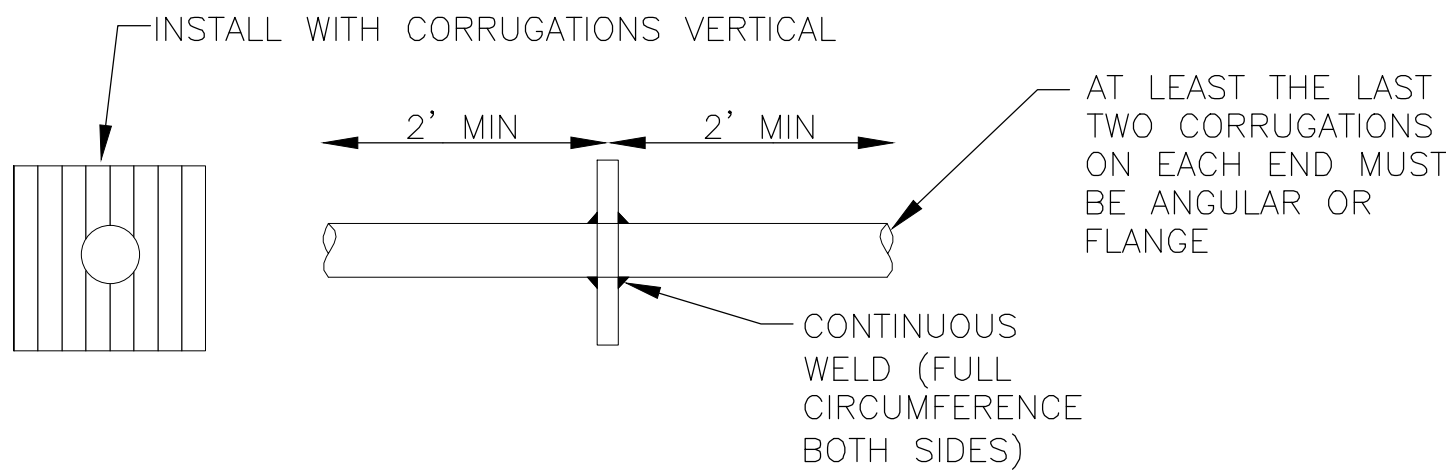
PIPE OUTLET SEDIMENT TRAPS		
	WESTERN TRAP	EASTERN TRAP
1. TOP ELEVATION	197.0	202.0
2. RISER DIAMETER	12"	12"
3. PRINCIPAL SPILLWAY BARRELL DIAMETER	12"	12"
4. INVERT ELEVATION	195.5	200.5
5. OUTLET ELEVATION	195.0	198.0
6. DRAINAGE AREA	0.80 AC	0.36 AC
7. STORAGE REQ'D	2880 CF	3240 CF
8. STORAGE PROVIDED	3200 CF	3600 CF
9. DEPTH	1.5 FT	1.5 FT



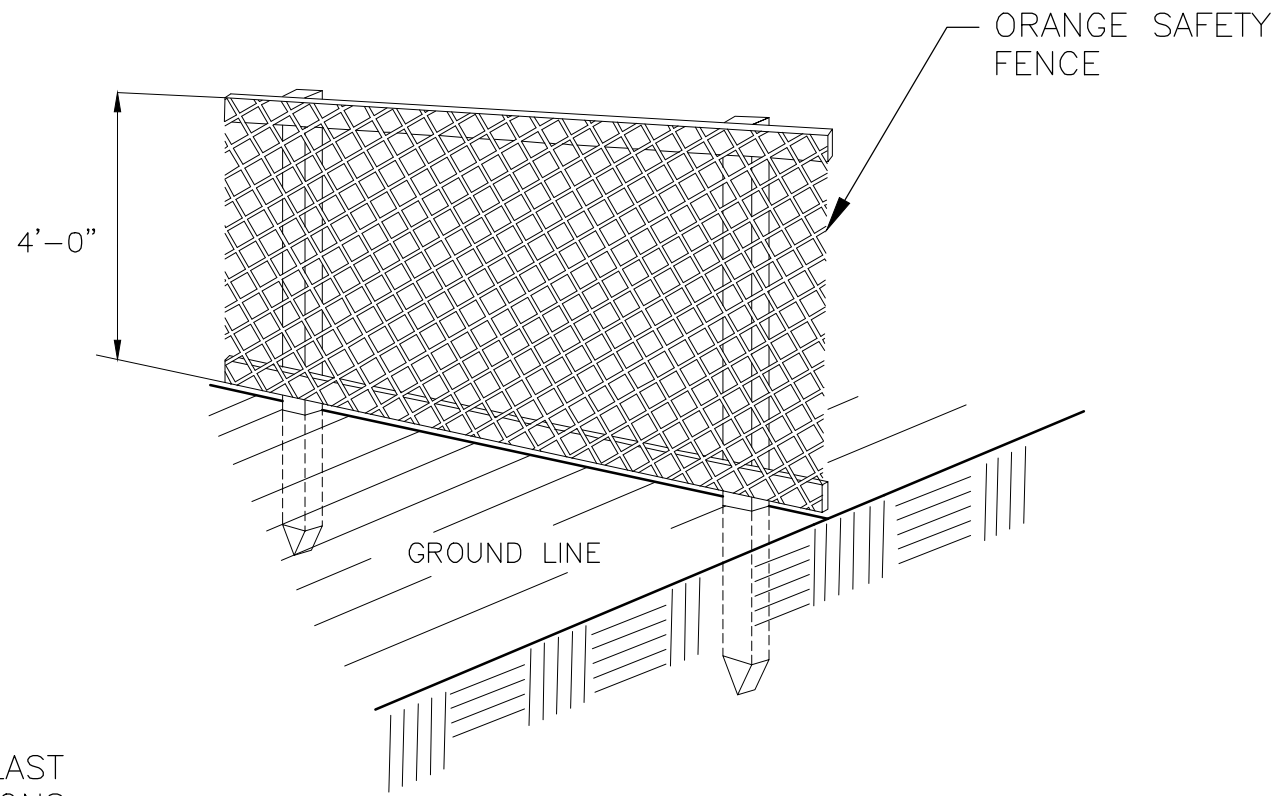
BAFFLE DETAIL
NOT TO SCALE



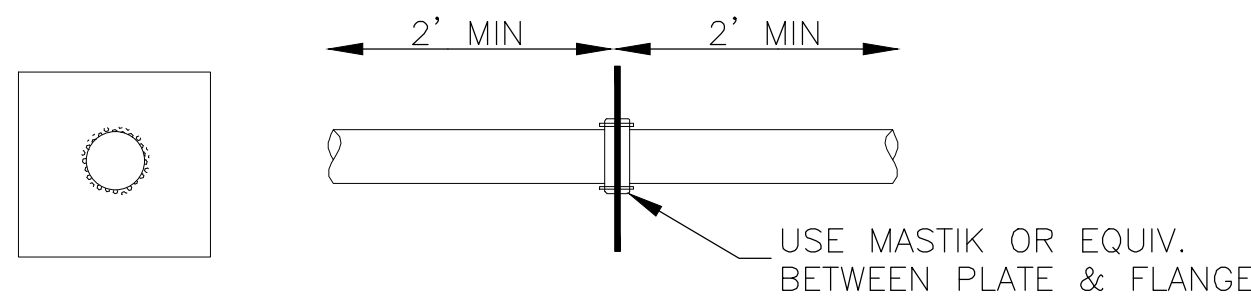
TEMPORARY SEDIMENT TRAP
NOT TO SCALE



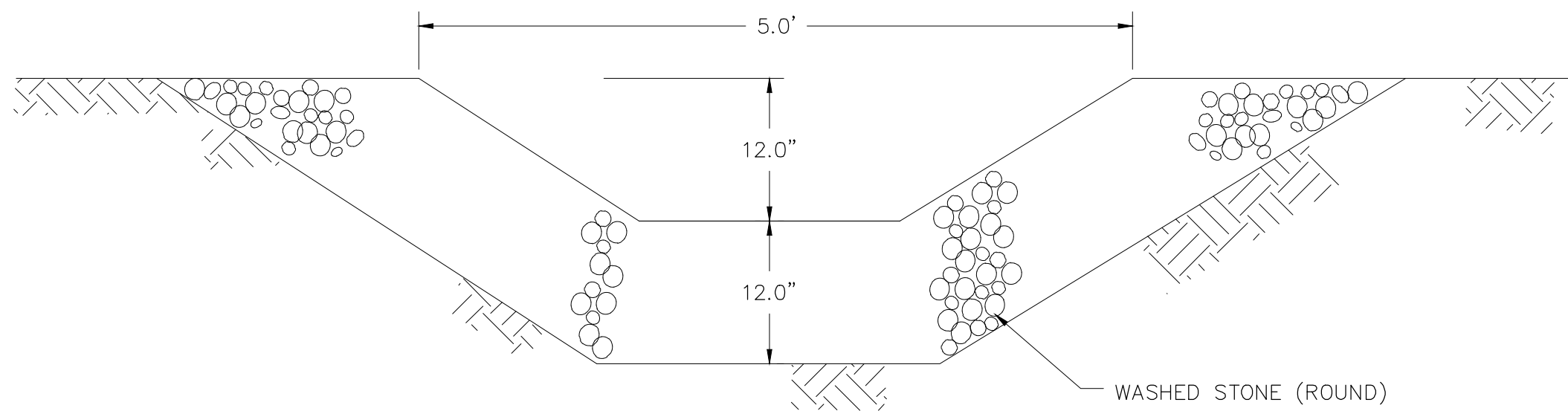
TYPICAL ANTI-SEEP COLLAR WELDED IN PLACE ON BARREL SECTION
NOT TO SCALE



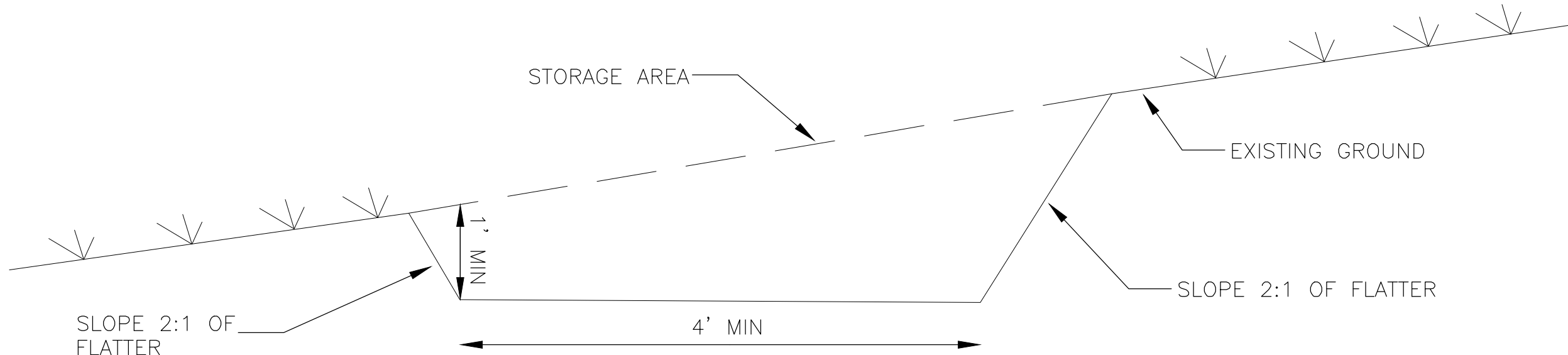
CONSTRUCTION FENCE DETAIL
NOT TO SCALE



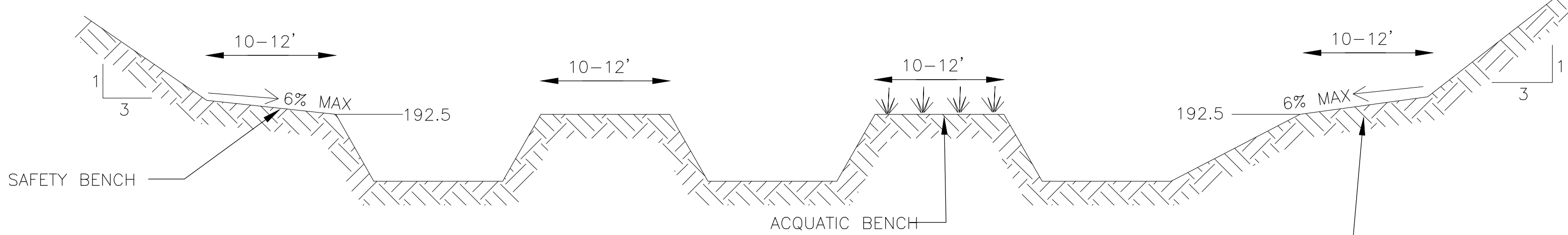
TYPICAL ANTI-SEEP COLLAR FOR FLANGE JOINT PIPE
NOT TO SCALE



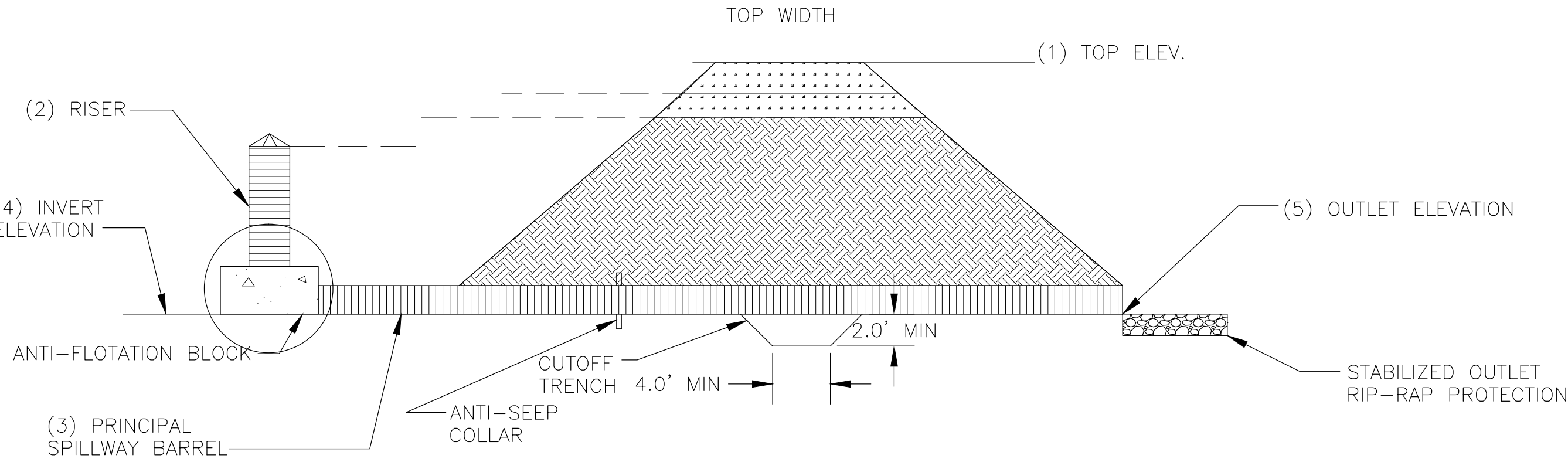
STONE-LINED PILOT CHANNEL DETAIL



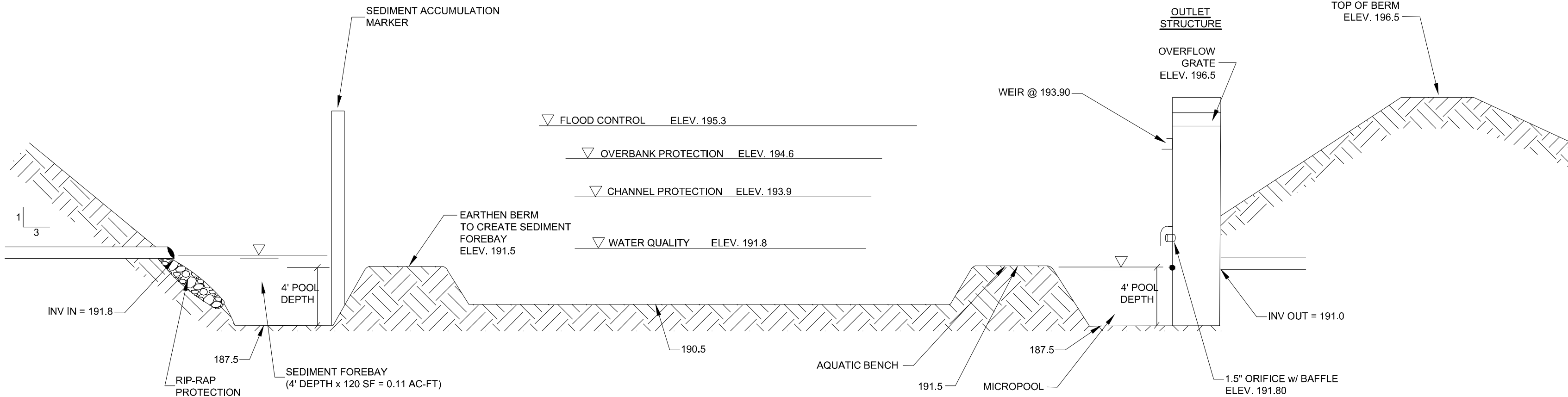
TEMPORARY DIVERSION SWALE PROFILE
NOT TO SCALE



SAFETY BENCH SECTION
NOT TO SCALE



TEMPORARY SEDIMENT TRAP PROFILE
NOT TO SCALE



SECTION OF MICROPOOL EXTENDED DETENTION POND
NOT TO SCALE (SEE DETAILS BELOW FOR SAFETY BENCH CONFIGURATION)