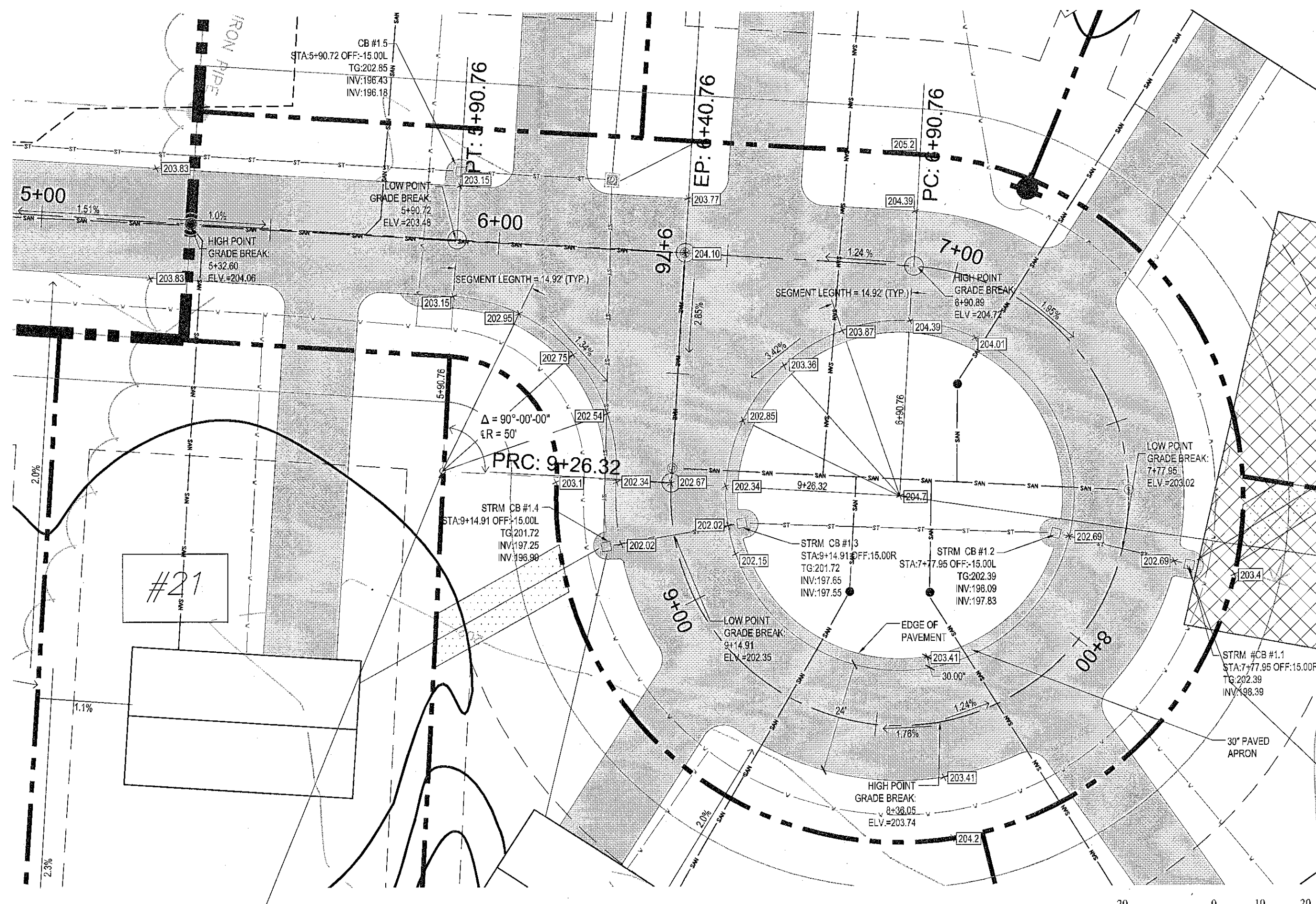
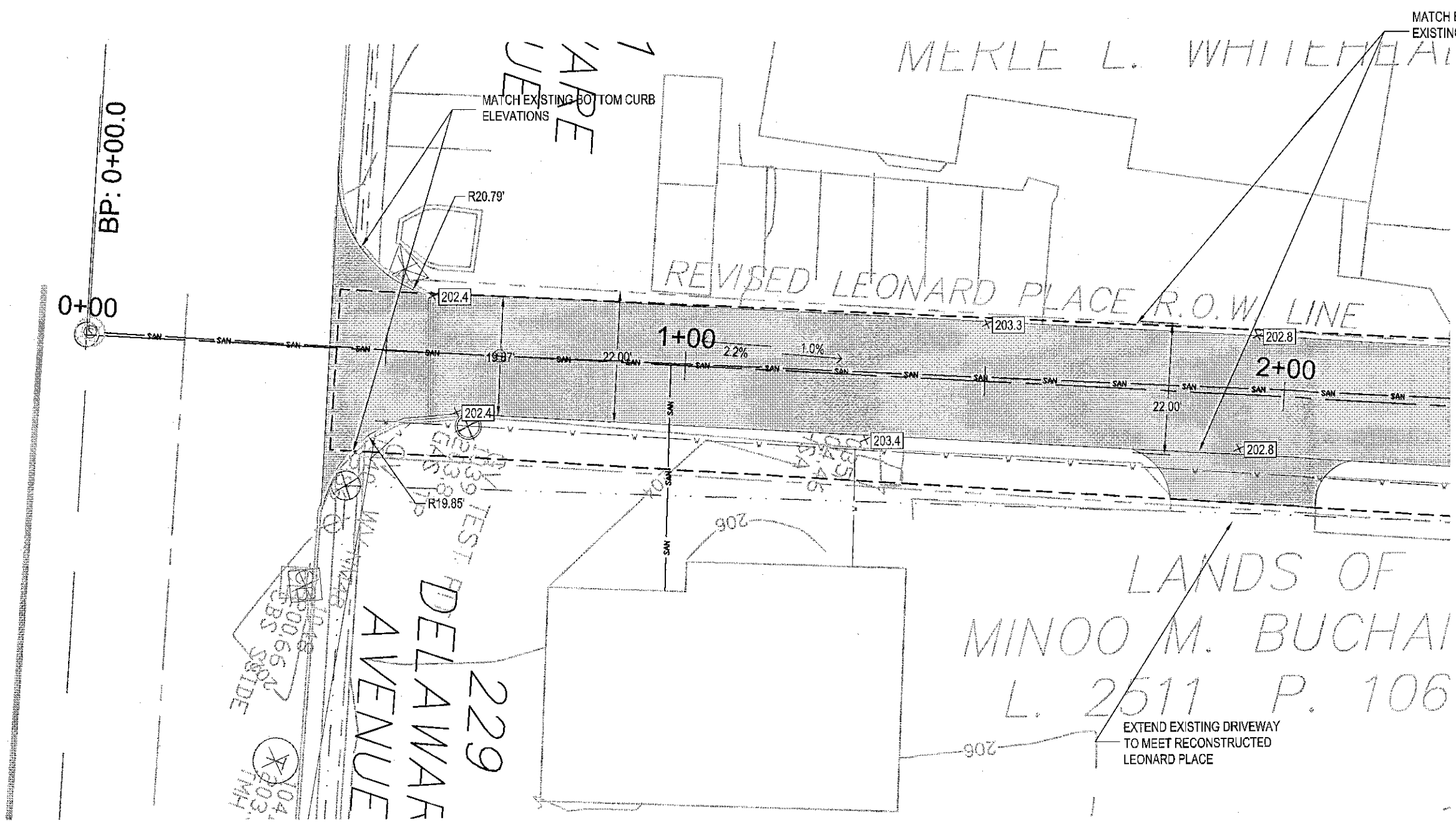
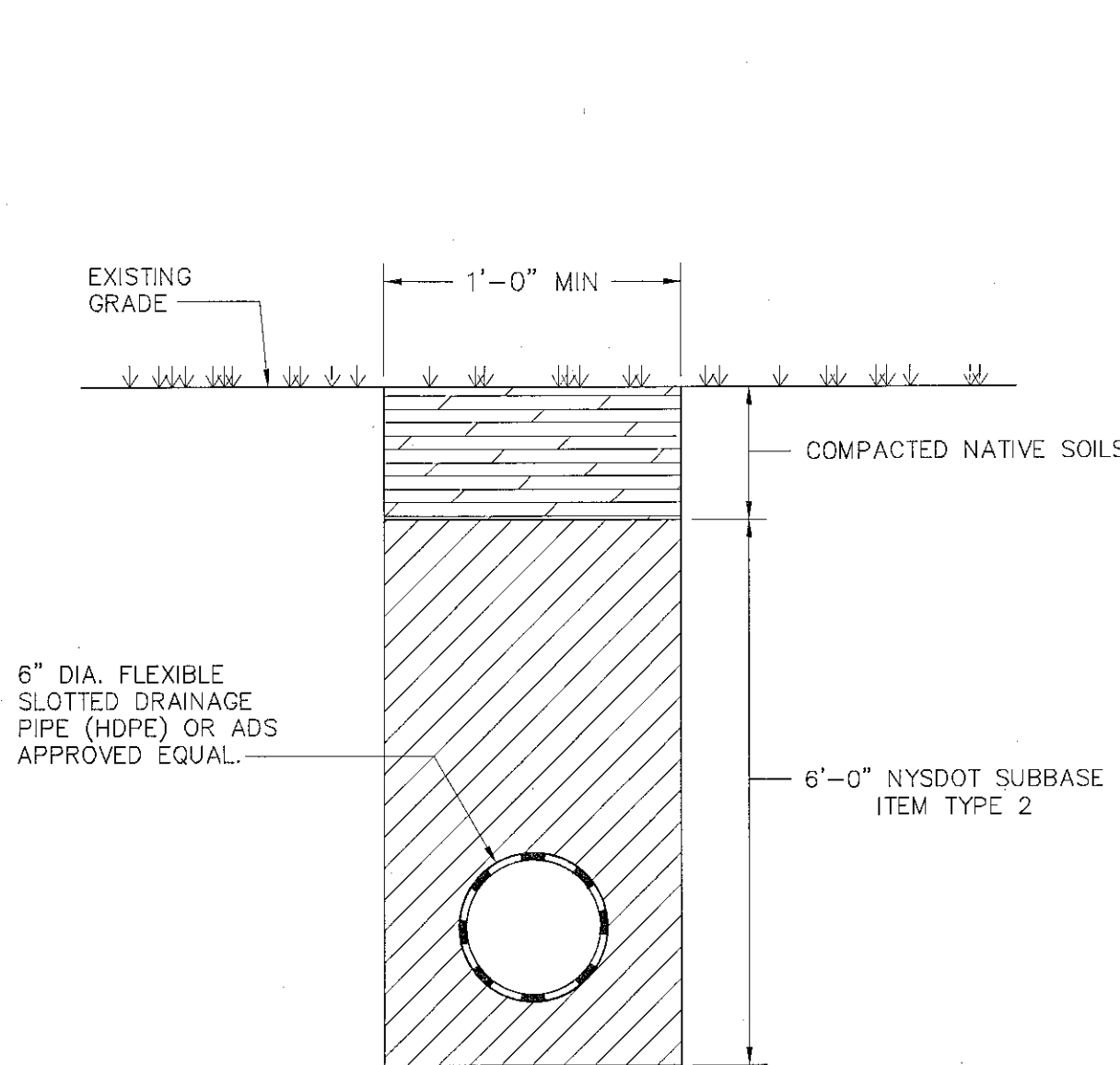


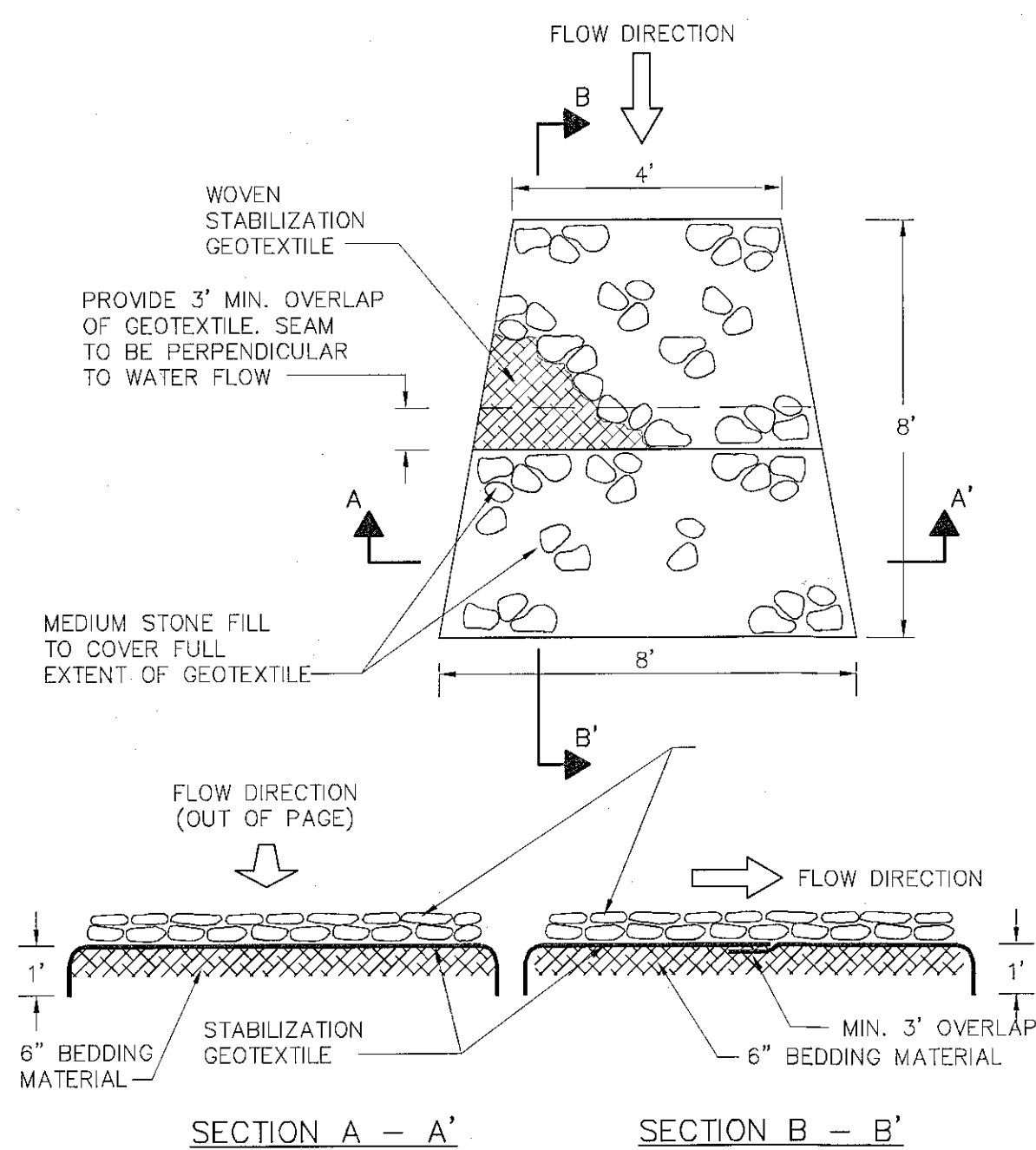


Δ = 360°-00'-00"
R = 50'
R E/R = 38.0'
R E/P = 35.5'
L E/P = 223.05'



NOTE: DRAIN TO CONFORM TO RECOMMENDATIONS IN THE GEOTECHNICAL REPORT BY VERNON HOFFMAN, DATED 2/8/07

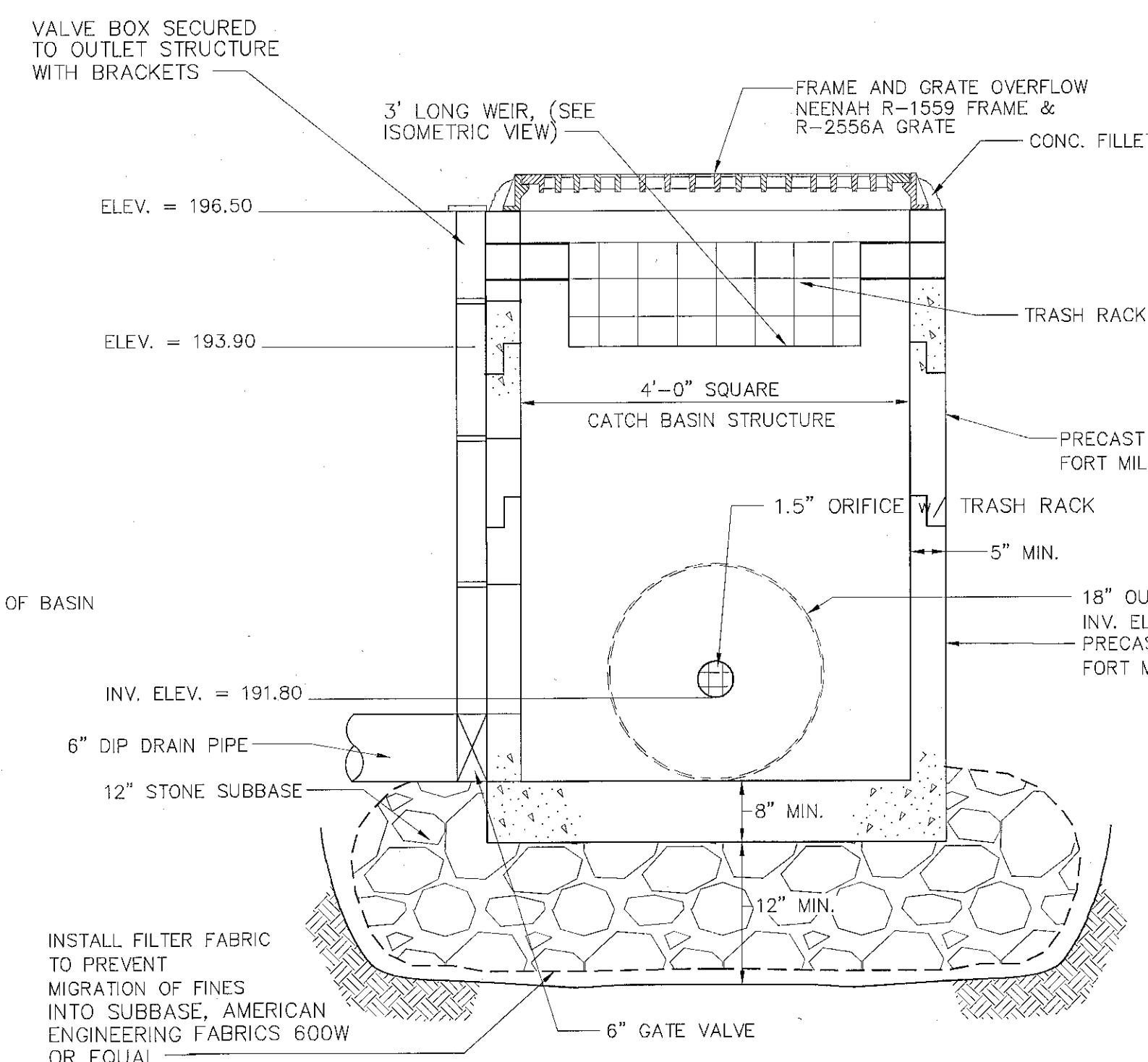
SLOPE DRAIN SECTION
NOT TO SCALE



RIP RAP OUTLET DETAIL
NOT TO SCALE

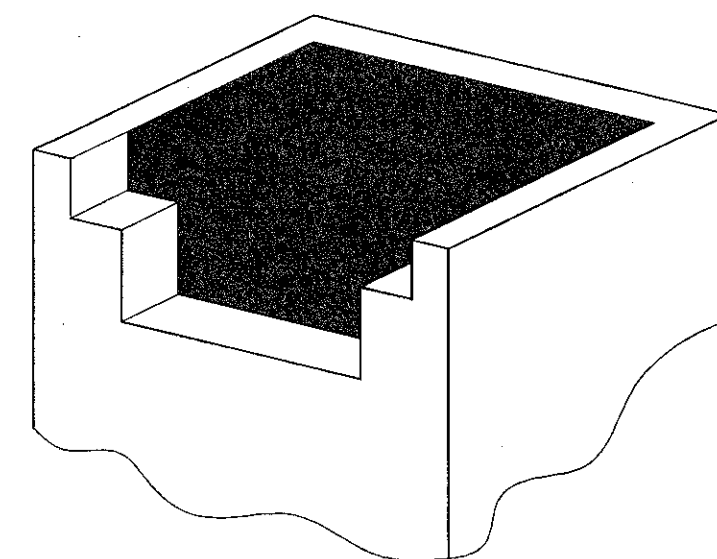
CULVERT DIA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	g50	gMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH (FT)
12"	<8 8-10	LIGHT MEDIUM	9'-12" 14'-18"	9' 14'-18"	18 24	10 10
18"	<4 4-6 6-8 8-10	LIGHT MEDIUM HEAVY HEAVY	9'-12" 15'-18" 15'-18" 22'-27"	9' 14'-18" 22'-27" 36	18 24 36 36	10 12 12 18
24"	<3 3-4 4-6	LIGHT MEDIUM HEAVY	9'-12" 15'-18" 15'-18"	9' 14'-18" 22'-27"	18 24 36	12 16 24
30"	<1 1-2 2-4 4-6	LIGHT MEDIUM HEAVY HEAVY	9'-12" 15'-18" 15'-18" 22'-27"	9' 14'-18" 22'-27" 36	18 24 36 36	15 20 25 30
36"	<2 2-3 3-5	MEDIUM HEAVY HEAVY	9'-12" 15'-18" 15'-18"	14'-18" 22'-27" 22'-27"	24 36 36	24 30 36
42"	<1 1-2 2-3	MEDIUM HEAVY HEAVY	9'-12" 15'-18" 15'-18"	14'-18" 22'-27" 22'-27"	24 36 36	28 36 42
48"	<1 1-2 2-3	MEDIUM HEAVY HEAVY	9'-12" 15'-18" 15'-18"	14'-18" 22'-27" 22'-27"	24 36 36	32 40 48

USE THIS FOR OUTLET OF BASIN



OUTLET STRUCTURE DETAIL
NOT TO SCALE

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

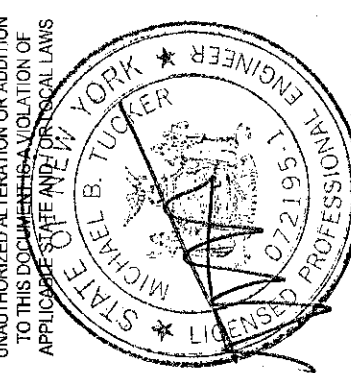


ISOMETRIC VIEW OF WEIR
0 INCHES 2

Town of Bethlehem, NY
ALBANY COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.
TOWN OF BETHLEHEM APPROVAL

Town of Bethlehem Planning Board
By direction of the Chairman
these plans are hereby Approved.
See first sheet for date & signature.

FINAL SUBDIVISION PLANS



Creighton Manning
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2 WINNERS CIRCLE - ALBANY - NEW YORK - 12205
P: 518 444-4400 F: 518 444-4401 WWW.CME-LLP.COM

THE PINES AT NORMANSIDE
LEONARD PLACE
TOWN OF BETHLEHEM, NEW YORK
SITE & DRAINAGE DETAILS

C 11
SHEET NUMBER 11 of 13

NO.	REVISION	DATE	BY
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