

*William Ambrosino Chairman  
Damon Tinio*



*Barry Iadarola  
John Vandersluis  
James Quirk*

## TOWN OF MENDON

PLANNING BOARD

Mendon Town Hall

18 Main Street

Mendon, Massachusetts 01756

Telephone: (508)473-2679 Fax: (508)634-2909

---

Date: October 1, 2020

To: Highway Dept.  
Fire Dept/Police Dept.  
Conservation Commission  
BOH  
Building Dept,

From: **The Planning Board**

Re: 63 PROVIDENCE STREET – CONTRACTORS YARD

Please review the attached plans and respond to the Planning Board with your comments by October 14, 2020.

Thank you.

# SITE PLAN/SPECIAL PERMIT "LANZETTA EXCAVATING"

CONTRACTORS YARD  
 63 PROVIDENCE ROAD  
 MENDON, MASSACHUSETTS

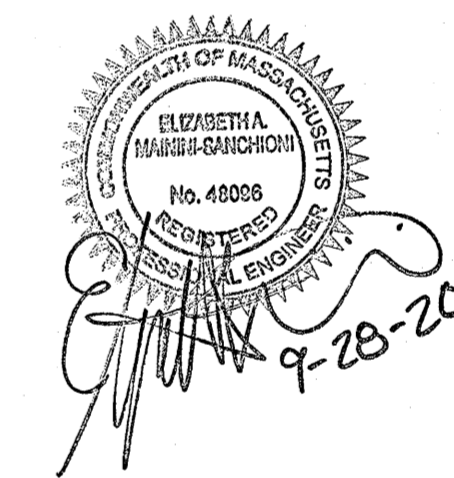
APPROVED DATE: \_\_\_\_\_  
 MENDON PLANNING BOARD

SIGNATURE DATE: \_\_\_\_\_  
 BEING A MAJORITY

DATE: SEPTEMBER 25, 2020



**LOCUS MAP**  
 300 FEET TO AN INCH



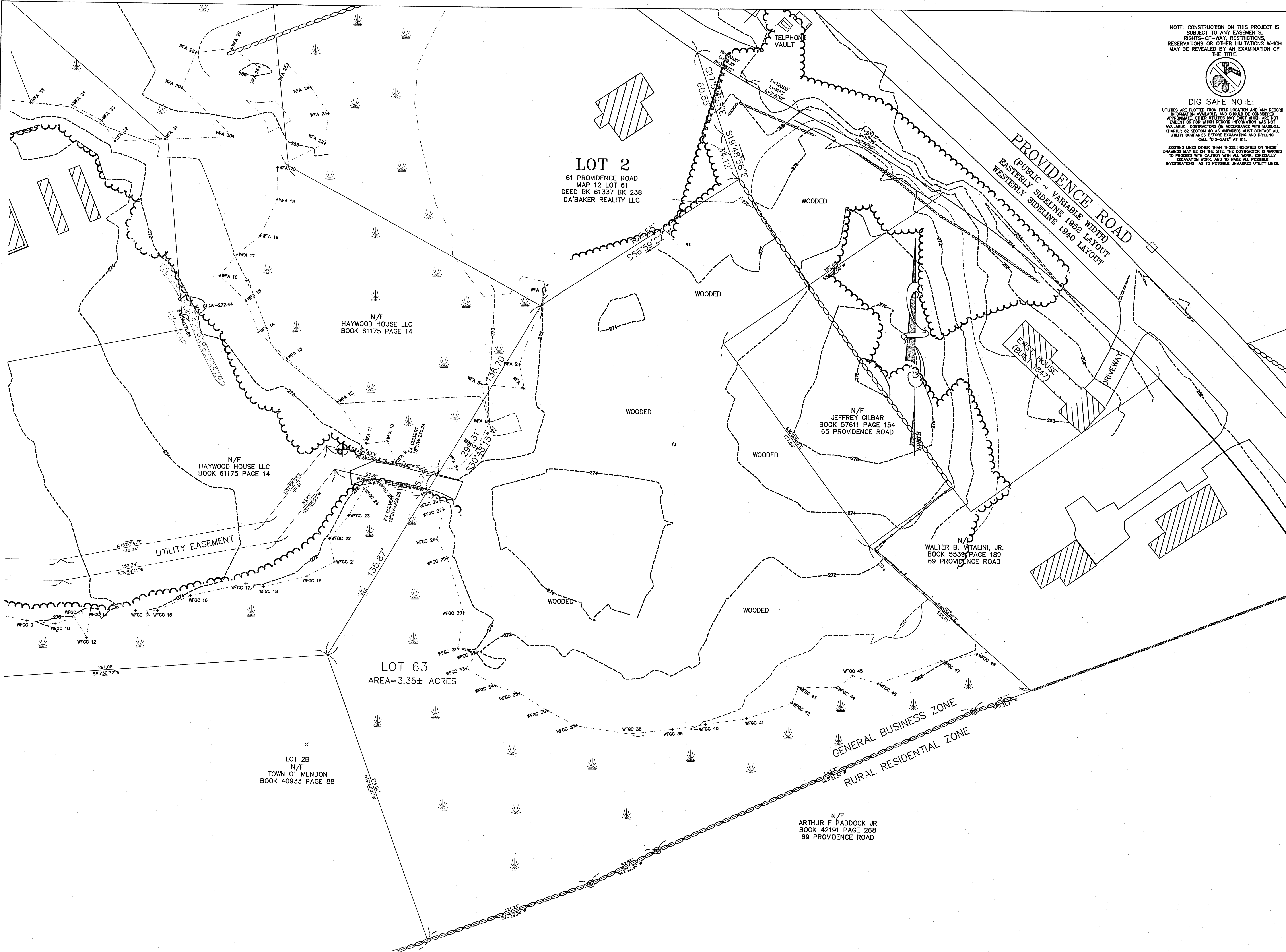
## INDEX

1. COVER
2. EXISTING CONDITIONS
3. SITE, GRADING AND UTILITY
4. RESOURCE AREA PLAN
5. DETAIL SHEET
6. UNDERGROUND BASIN-1 DETAIL SHEET
7. UNDERGROUND BASIN-2 DETAIL SHEET

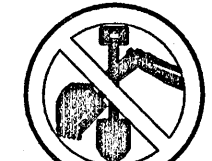
**OWNER/APPLICANT:**  
**DA'BAKER REALTY LLC**  
 148 IRONSTONE STREET,  
 UXBRIDGE, MA 01569

**Guerriere & Halnon, Inc.**  
 Engineering & Land Surveying  
 333 WEST STREET, MILFORD, MASS. 01757  
 (508) 473-6630 FAX: (508) 473-8243





NOTE: CONSTRUCTION ON THIS PROJECT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE



**DIG SAFE NOTE:**  
 UTILITIES ARE PLOTTED FROM FIELD LOCATION AND ANY RECORD INFORMATION AVAILABLE, AND SHOULD BE CONSIDERED APPROXIMATE. OTHER UTILITIES MAY EXIST WHICH ARE NOT IDENTIFIED OR WHICH RECORD INFORMATION WAS NOT AVAILABLE. CONTRACTORS IN ACCORDANCE WITH MASS. CHAPTER 86 SECTION 40 AS AMENDED MUST CONTACT ALL UTILITY COMPANIES BEFORE EXCAVATING AND DRILLING. CALL "DIG-SAFE" AT 811.  
 EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.

ELIZABETH A. MANNING-SAVICHON  
 No. 48096  
 REGISTERED PROFESSIONAL ENGINEER  
 DATE: 9-28-20

APPROVED DATE: \_\_\_\_\_  
 MENDON PLANNING BOARD

SIGNATURE DATE: \_\_\_\_\_  
 BEING A MAJORITY

- NOTES**
- THIS PLAN REFERS TO THE TOWN OF MENDON ASSESSORS ATLAS SHEET 12 LOT 63.
  - SEE DEED BOOK 61337 PAGE 238 RECORDED AT THE WORCESTER REGISTRY OF DEEDS.
  - SEE THE FOLLOWING PLANS RECORDED AT THE WORCESTER DISTRICT REGISTRY OF DEEDS- PLAN BOOK 944 PLANS 84.
  - SEE VARIANCE RECORDED IN BOOK 60911, PAGE 197 RECORDED AT THE WORCESTER DISTRICT REGISTRY OF DEEDS. FRONTAGE REDUCTION LOT 1, 63 PROVIDENCE ROAD.
  - ZONING CLASSIFICATION: GB - GENERAL BUSINESS
  - HORIZONTAL DATUM - NAD 83.  
 VERTICAL DATUM - NAVD 88.

**ZONING**

MIN. LOT SIZE- 40,000 SF  
 MIN. FRONTAGE- 200'  
 SETBACKS- FRONT 50' SIDE 20' REAR 20'  
 MIN. LOT DEPTH- 200'  
 MIN. LOT WIDTH AT LEACHING AREA- 125'  
 MIN. LOT WIDTH- 200'  
 MAX. BUILDING COVERAGE- 30%  
 MAX. BUILDING HEIGHT- 2.5 STORIES OR 35'

- LEGEND**
- 256 --- EXISTING CONTOUR
  - D- EX. DRAIN LINE
  - O- EX. OVERHEAD WIRE
  - ⊙ EX. TREE
  - ⊙ EX. TREE LINE
  - ▨ EX. BUILDINGS
  - - - EX. WETLANDS LINE
  - X W-61 WETLANDS FLAG
  - ⊙ WETLANDS SYMBOL
  - - - 100' WETLANDS BUFFER
  - ⊙ EX. STONEWALL
  - ⊙ EX. DRILLHOLE

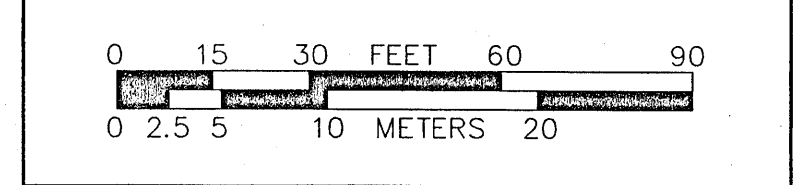
**OWNER/APPLICANT**

DA'BAKER REALTY LLC  
 148 IRONSTONE STREET  
 UXBIDGE, MA 01759

**LANZETTA EXCAVATING**  
 63 PROVIDENCE ROAD

EXISTING CONDITIONS  
 PLAN OF LAND  
 IN  
**MENDON, MA**  
 SCALE: 30 FEET TO AN INCH  
 DATE: SEPTEMBER 25, 2020

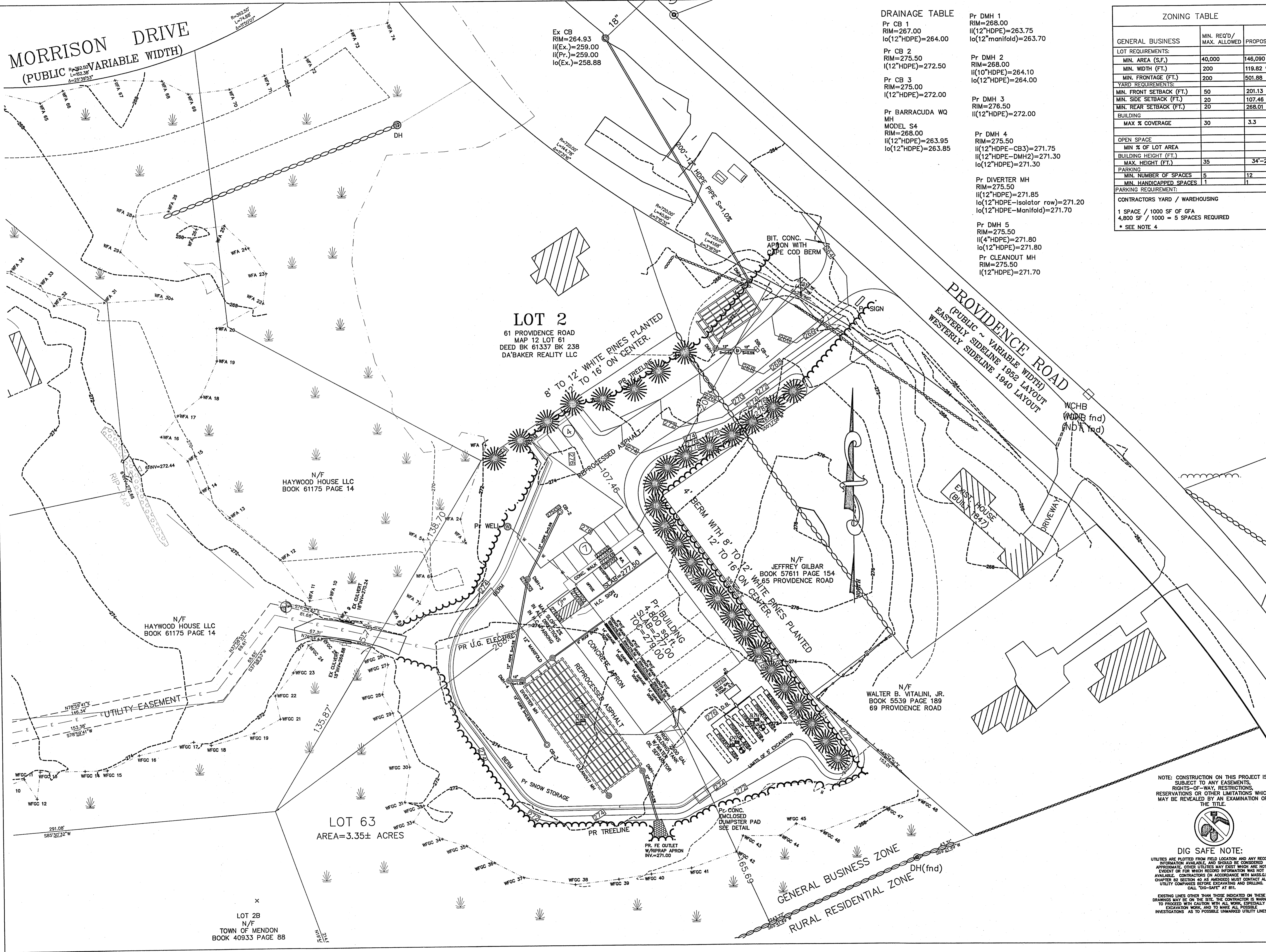
#	DATE	DESCRIPTION	INI



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 (508) 473-6630 FAX: (508) 473-8243



MORRISON DRIVE  
(PUBLIC VARIABLE WIDTH)



**DRAINAGE TABLE**

Pr CB 1 RIM=267.00 I(12"HDPE)=264.00	Pr DMH 1 RIM=268.00 I(12"HDPE)=263.75 I(12"manifold)=263.70
Pr CB 2 RIM=275.50 I(12"HDPE)=272.50	Pr DMH 2 RIM=268.00 I(10"HDPE)=264.10 I(12"HDPE)=264.00
Pr CB 3 RIM=275.00 I(12"HDPE)=272.00	Pr DMH 3 RIM=276.50 I(12"HDPE)=272.00
Pr BARRACUDA WQ MH MODEL S4 RIM=268.00 I(12"HDPE)=263.95 I(12"HDPE)=263.85	Pr DMH 4 RIM=275.50 I(12"HDPE-CB3)=271.75 I(10"HDPE-DMH2)=271.30 I(12"HDPE)=271.30
	Pr DIVERTER MH RIM=275.50 I(12"HDPE)=271.85 I(12"HDPE-Isolator row)=271.20 I(12"HDPE-Manifold)=271.70
	Pr DMH 5 RIM=275.50 I(4"HDPE)=271.80 I(12"HDPE)=271.80
	Pr CLEANOUT MH RIM=275.50 I(12"HDPE)=271.70

**ZONING TABLE**

GENERAL BUSINESS	MIN. REQ'D/ MAX. ALLOWED	PROPOSED
<b>LOT REQUIREMENTS:</b>		
MIN. AREA (S.F.)	40,000	146,090
MIN. WIDTH (FT.)	200	119.82 *
MIN. FRONTAGE (FT.)	200	501.88
<b>YARD REQUIREMENTS:</b>		
MIN. FRONT SETBACK (FT.)	50	201.13
MIN. SIDE SETBACK (FT.)	20	107.46
MIN. REAR SETBACK (FT.)	20	268.01
BUILDING		
MAX % COVERAGE	30	3.3
<b>OPEN SPACE</b>		
MIN % OF LOT AREA		
BUILDING HEIGHT (FT.)		
MAX. HEIGHT (FT.)	35	34'-2"
PARKING		
MIN. NUMBER OF SPACES	5	12
MIN. HANDICAPPED SPACES	1	1
<b>PARKING REQUIREMENT:</b>		
CONTRACTORS YARD / WAREHOUSING		
1 SPACE / 1000 SF OF GFA 4,800 SF / 1000 = 5 SPACES REQUIRED		
* SEE NOTE 4		



DATE: 9-28-20 APPROVED DATE: MENDON PLANNING BOARD

SIGNATURE DATE: BEING A MAJORITY NOTES

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- 2) SEE DEED BOOK 61337 PAGE 238 RECORDED AT THE WORCESTER REGISTRY OF DEEDS.
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**LEGEND**

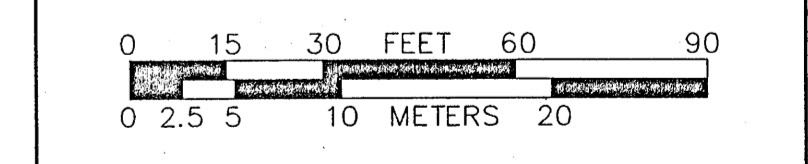
	Pr. EDGE OF PAVEMENT
	Pr. MODIFIED CAPE COD BERM
	Pr. CONTOUR
	Pr. DRAIN MANHOLE
	Pr. CATCH BASIN
	Pr. WATER LINE
	Pr. U.G. DATA CABLES
	Pr. U.G. ELECTRIC
	Pr. U.G. TELEPHONE
	Pr. SIGN
	Pr. 8'-12' WHITE SPRUCE
	Pr. SPOT ELEVATIONS
	Pr. WELL
	Ex. EXISTING CONTOUR
	Ex. DRAIN LINE
	Ex. OVERHEAD WIRE
	Ex. EXISTING BUILDINGS
	Ex. WETLANDS LINE
	WETLANDS FLAG
	WETLANDS SYMBOL
	EX. DRILLHOLE

OWNER/APPLICANT  
DA'BAKER REALTY LLC  
148 IRONSTONE STREET  
UXBRIDGE, MA 01759

**LANZETTA EXCAVATING  
63 PROVIDENCE ROAD**

SITE, GRADING AND UTILITY  
PLAN OF LAND  
IN  
**MENDON, MA**  
SCALE: 30 FEET TO AN INCH  
DATE: SEPTEMBER 25, 2020

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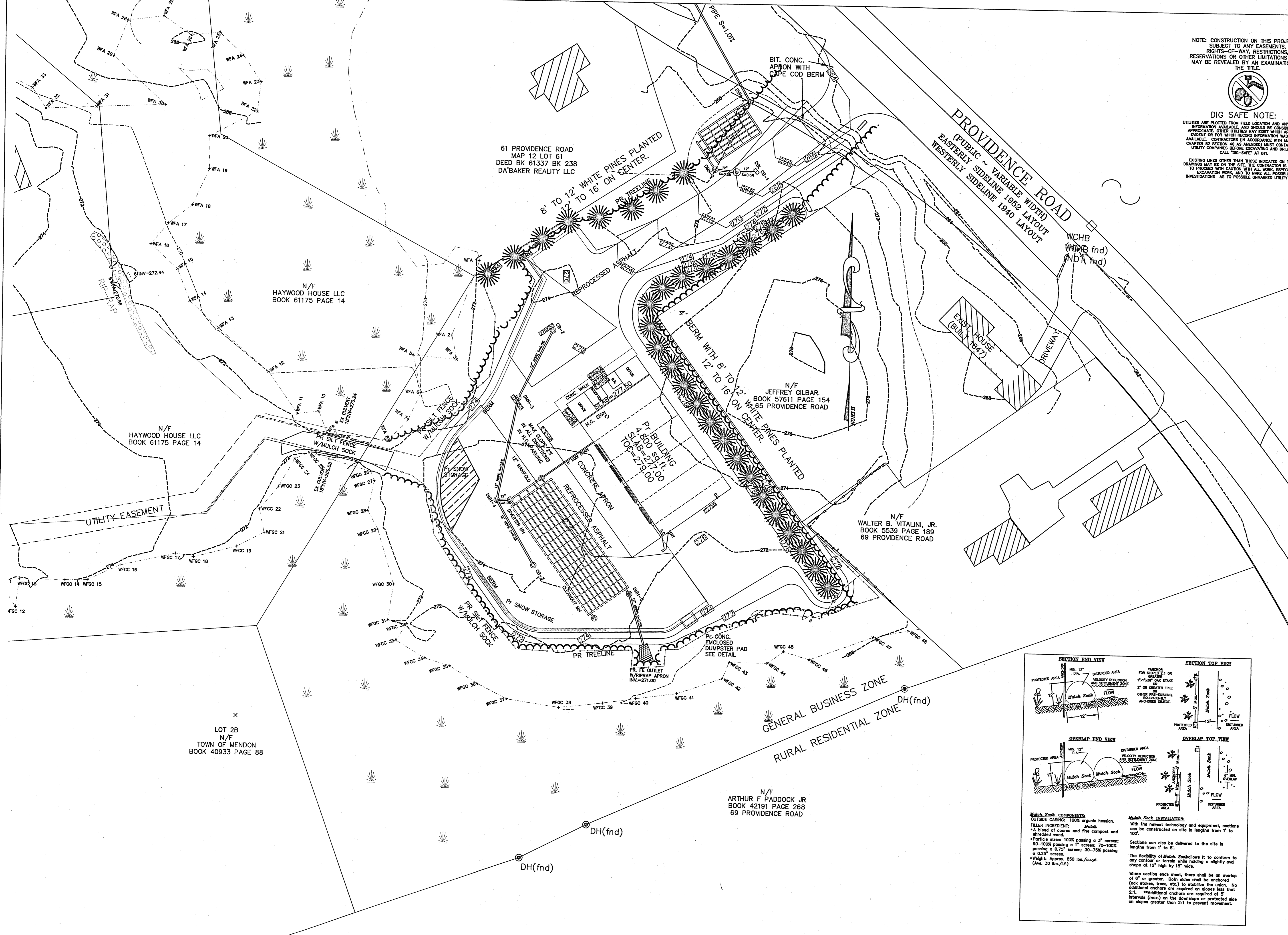


**Guerriere & Halon, Inc.**  
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(508) 473-6630 FAX: (508) 473-8243

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SEAL OF THE COMMONWEALTH OF MASSACHUSETTS  
 ELIZABETH HANNIS-SUNDBERG  
 No. 46038  
 DATE: 9-28-20 APPROVED DATE: MENDON PLANNING BOARD

SIGNATURE DATE: BEING A MAJORITY NOTES

1. WETLANDS DELINEATED BY GODDARD CONSULTING BETWEEN AUGUST, 2016 AND AUGUST 2019. LOCATED AND PLOTTED BY GUERRIERE & HALNON, INC.
3. ALL EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL ALL DISTURBED AREAS ARE STABILIZED WITH GROWING VEGETATION.
5. A NATIVE SEED MIX IS TO BE USED TO RE-VEGETATE THE DISTURBED AREAS.

**LEGEND**

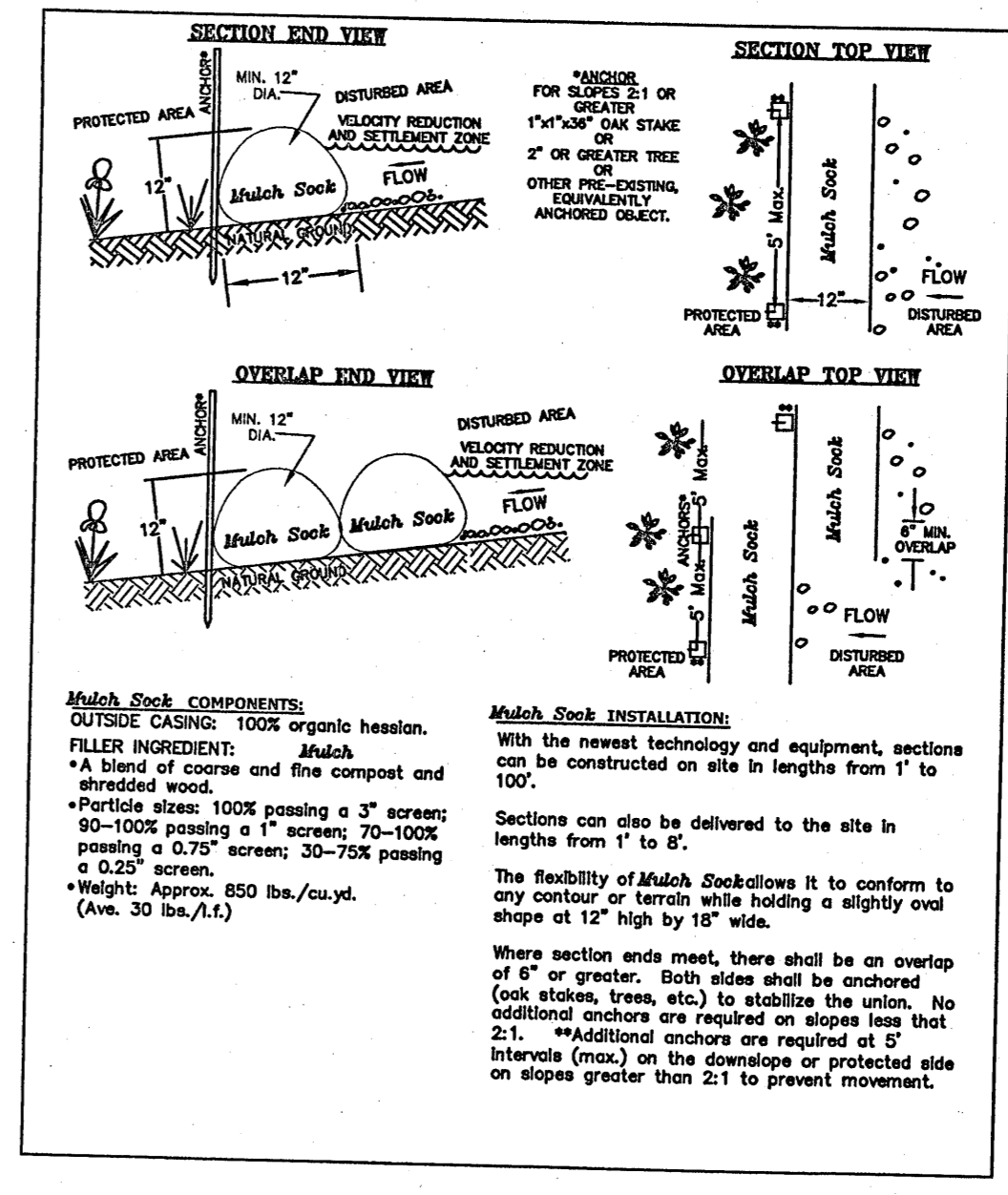
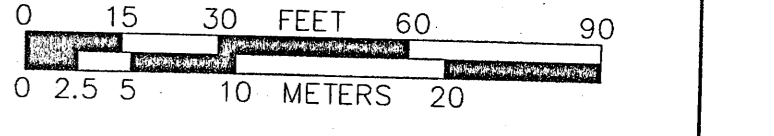
- Pr. SILT FENCE W/MULC SOCK
- Pr. EDGE OF PAVEMENT
- Pr. MODIFIED CAPE COD BERM
- Pr. CONTOUR
- Pr. DRAIN MANHOLE
- Pr. CATCH BASIN
- Pr. 8'-12' WHITE SPRUCE
- Pr. SPOT ELEVATIONS
- Pr. TREE LINE
- Ex. EXISTING CONTOUR
- Ex. DRAIN LINE
- Ex. OVERHEAD WIRE
- Ex. BUILDINGS
- Ex. WETLANDS LINE
- WETLANDS FLAG
- WETLANDS SYMBOL
- Ex. WETLANDS 100' BUFFER
- Ex. 50' NO BUILD BUFFER
- Ex. 25' NO DISTURB BUFFER

OWNER/APPLICANT  
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 148 IRONSTONE STREET  
 UXBRIDGE, MA 01759

**LANZETTA EXCAVATING**  
**63 PROVIDENCE ROAD**

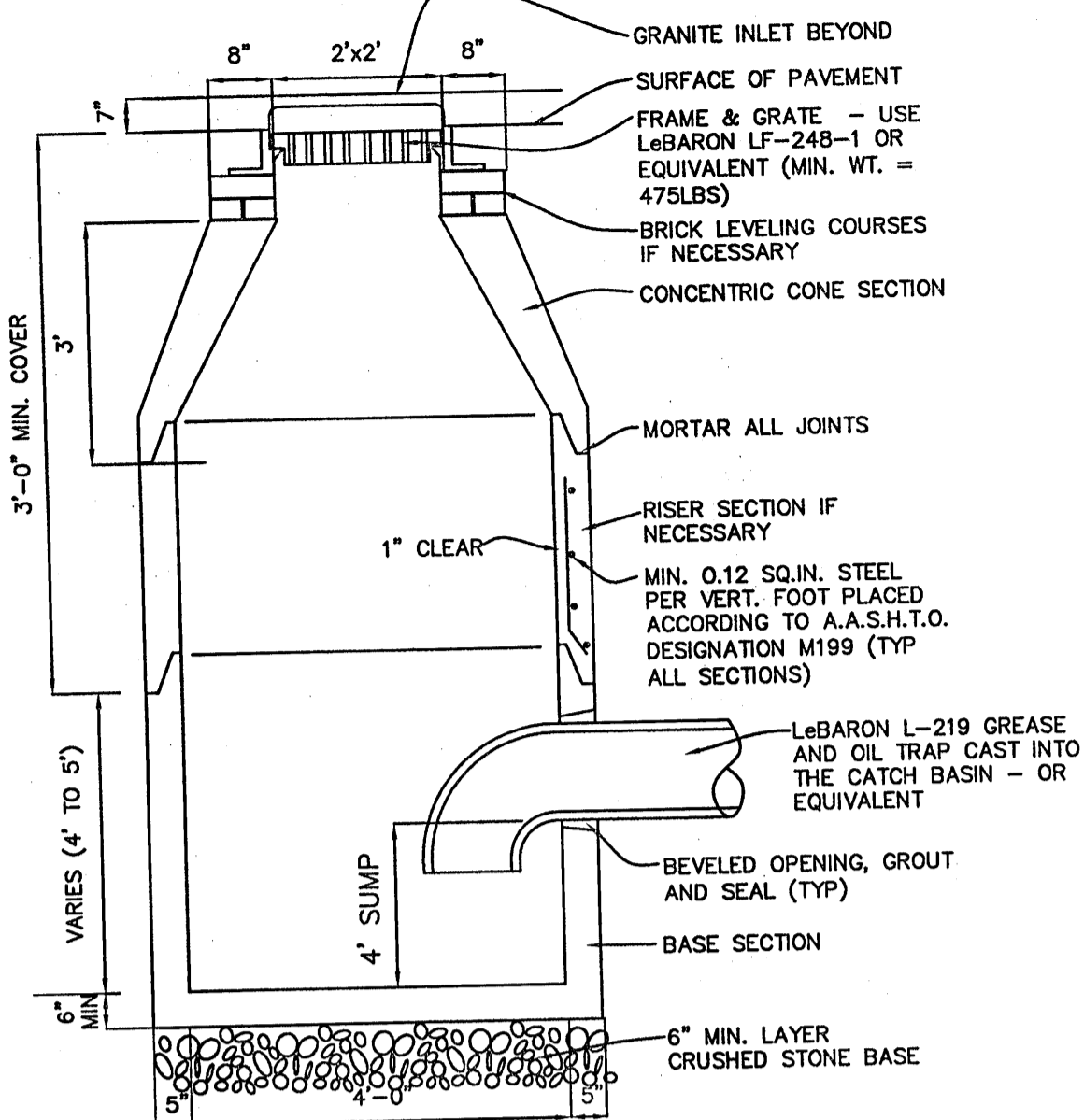
EROSION CONTROL  
 PLAN OF LAND  
 IN  
**MENDON, MA**  
 SCALE: 30 FEET TO AN INCH  
 DATE: SEPTEMBER 25, 2020

#	DATE	DESCRIPTION	INI



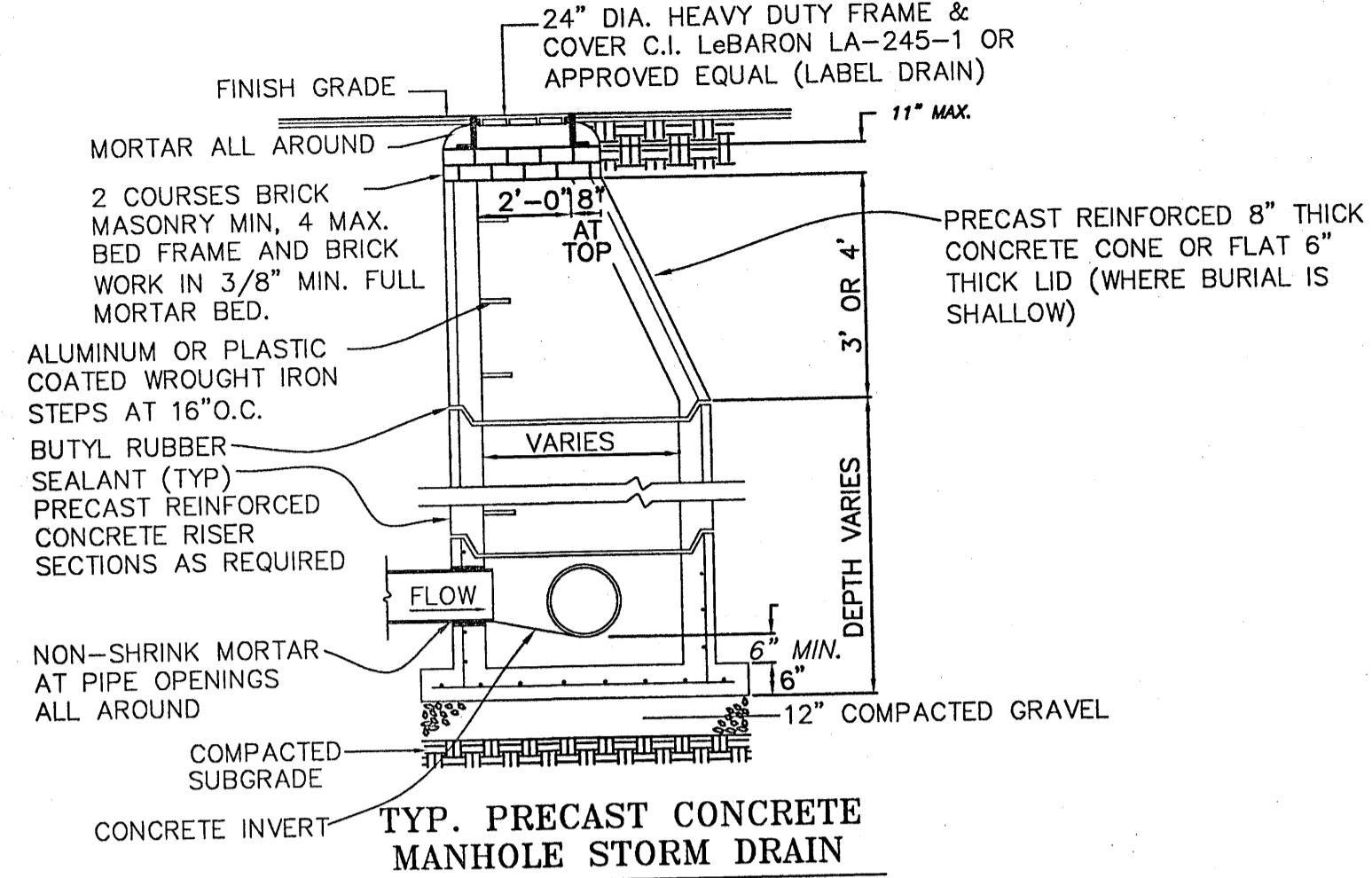
**Guerriere & Halnon, Inc.**  
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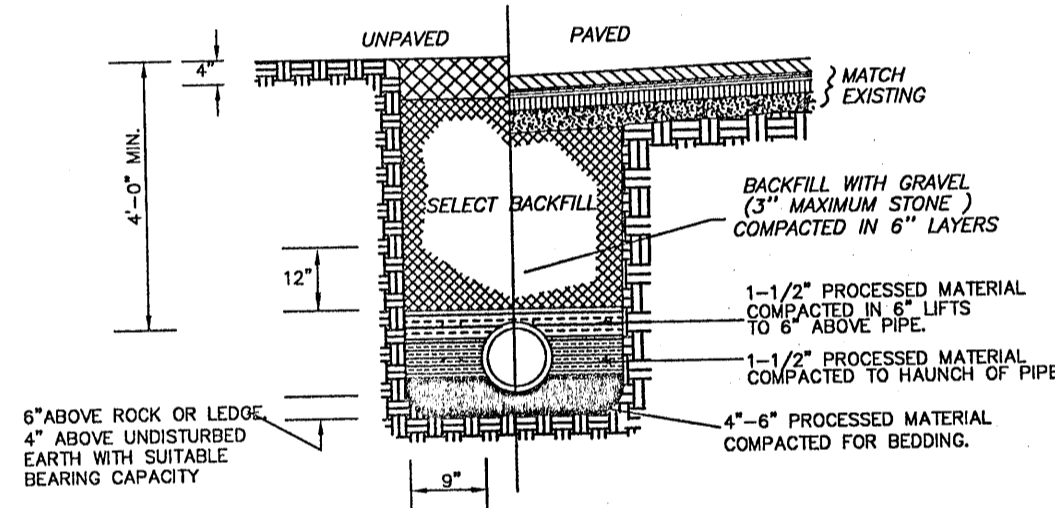
SECTION  
PRECAST CONCRETE CATCH BASIN  
NOT TO SCALE

- NOTES:
1. PIPE OPENINGS TO BE PRECAST IN CATCH BASIN SECTIONS.
  2. SURFACE OF FRAME AND GRATE TO SLOPE DOWN 1" FROM FRONT TO BACK.
  3. FACE OF PIPE TO BE FLUSH OR NOT TO PROJECT MORE THAN 4" FROM FACE OF WALL ALONG CENTERLINE OF PIPE.

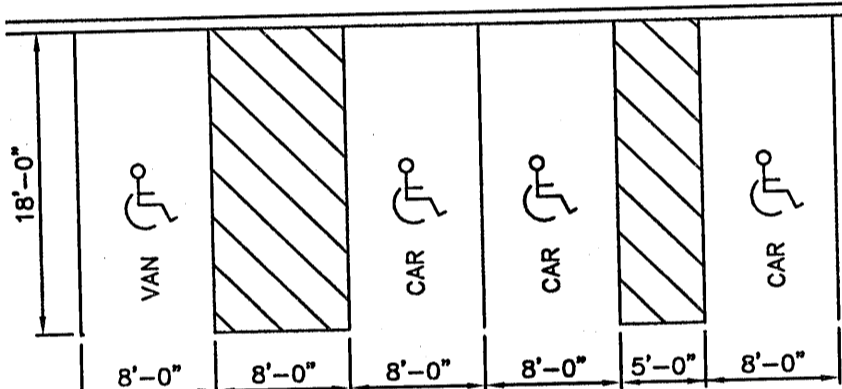


TYP. PRECAST CONCRETE  
MANHOLE STORM DRAIN  
N.T.S.  
NOTE:  
ALL STRUCTURES SHALL BE  
SUITABLE FOR H-20 LOADING AND  
SHALL MEET THE REQUIREMENTS OF  
A.S.T.M. C478.

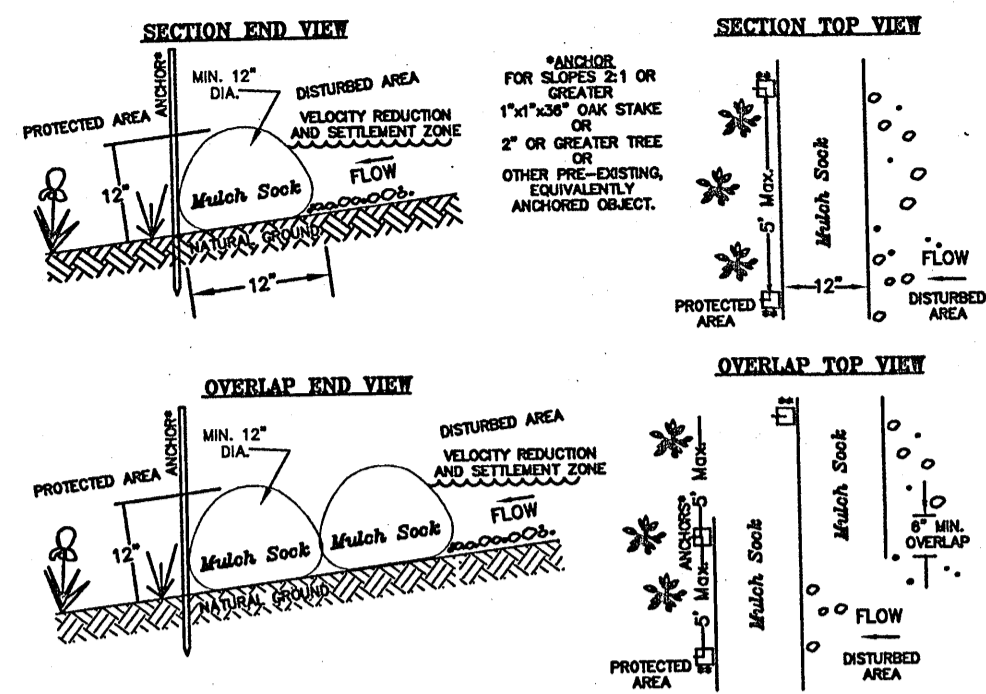
1. INSTALL PROCESSED MATERIAL COMPACTED AT SLOPE OF PIPE.
2. BACKFILL TO HAUNCH OF PIPE AND COMPACT.
3. BACKFILL 12" ABOVE PIPE AND COMPACT.



TYPICAL H.D.P.E. TRENCH  
SECTION  
NOT TO SCALE

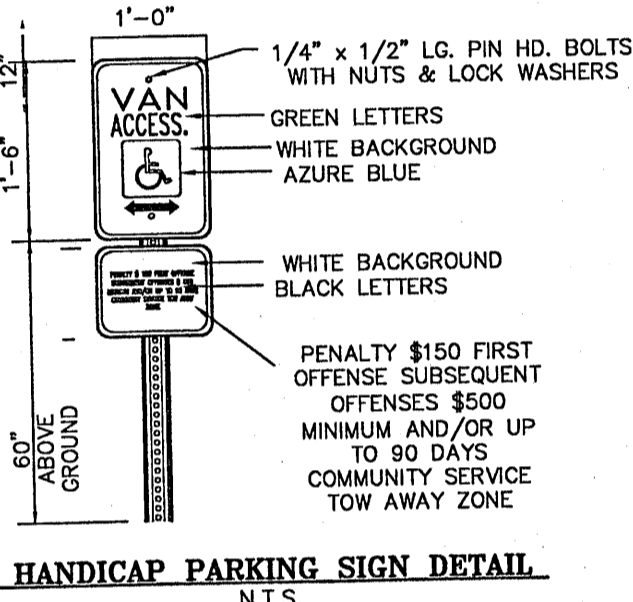


DISABLED PARKING DETAIL  
N.T.S.  
STRIPING SHALL BE 4" WIDE STRAIGHT LINES OF  
WHITE TRAFFIC PAINT, TO BE INSTALLED AS  
SHOWN ON LAYOUT AND ZONING PLAN.

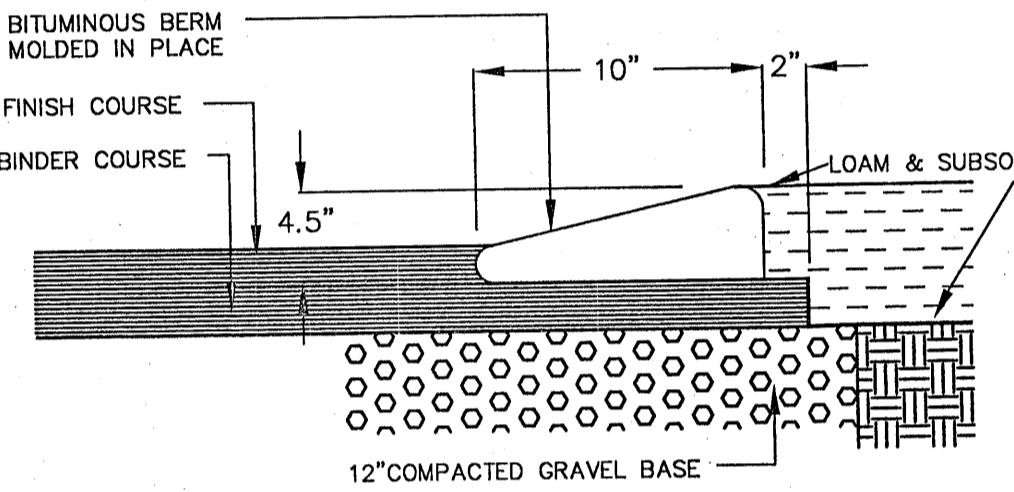


**Mulch Sock COMPONENTS:**  
OUTSIDE CASING: 100% organic heather.  
FILTER INGREDIENT: Mulch.  
\*A blend of coarse and fine compost and shredded wood.  
\*Particle sizes: 100% passing a 3" screen; 90-100% passing a 1" screen; 70-100% passing a 0.75" screen; 30-70% passing a 0.25" screen.  
\*Weight: Approx. 850 lb./cu.yd. (Ave. 30 lb./ft.<sup>2</sup>)

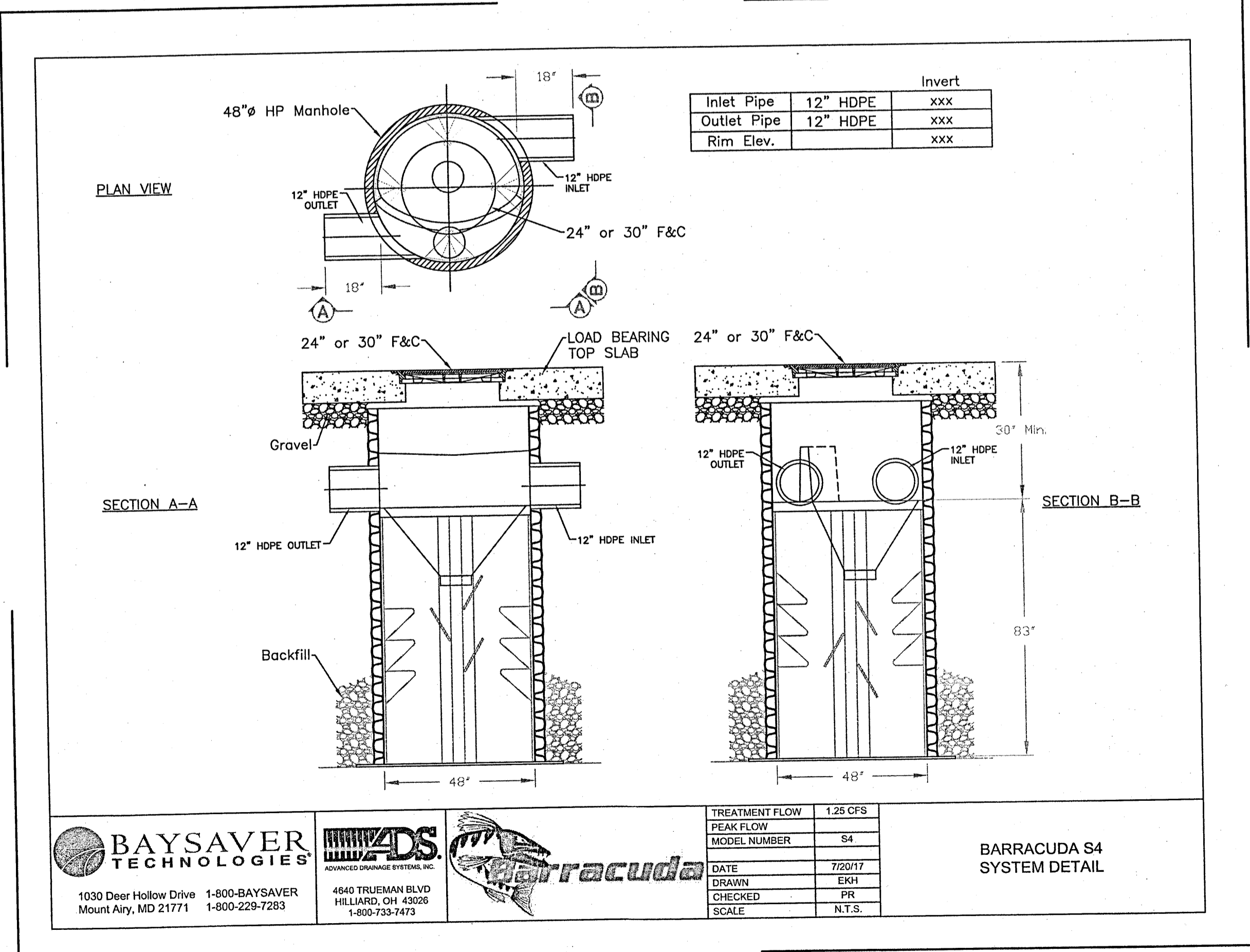
**Mulch Sock INSTALLATION:**  
With the newest technology and equipment, sections can be constructed on site in lengths from 1' to 100'.  
Sections can also be delivered to the site in lengths from 1' to 8'.  
The flexibility of Mulch Socks allows it to conform to any contour or terrain while holding a slightly oval shape at 12" high by 18" wide.  
Where section ends meet, there shall be an overlap of 6" or greater. Both sides shall be anchored (rock, stakes, trees, etc.) to stabilize the union. No additional anchors are required on slopes less than 2:1. \*\*Additional anchors are required at 5' intervals (max.) on the downslope or protected side on slopes greater than 2:1 to prevent movement.



HANDICAP PARKING SIGN DETAIL  
N.T.S.



MODIFIED BITUMINOUS CAPE COD  
BERM DETAIL  
N.T.S.

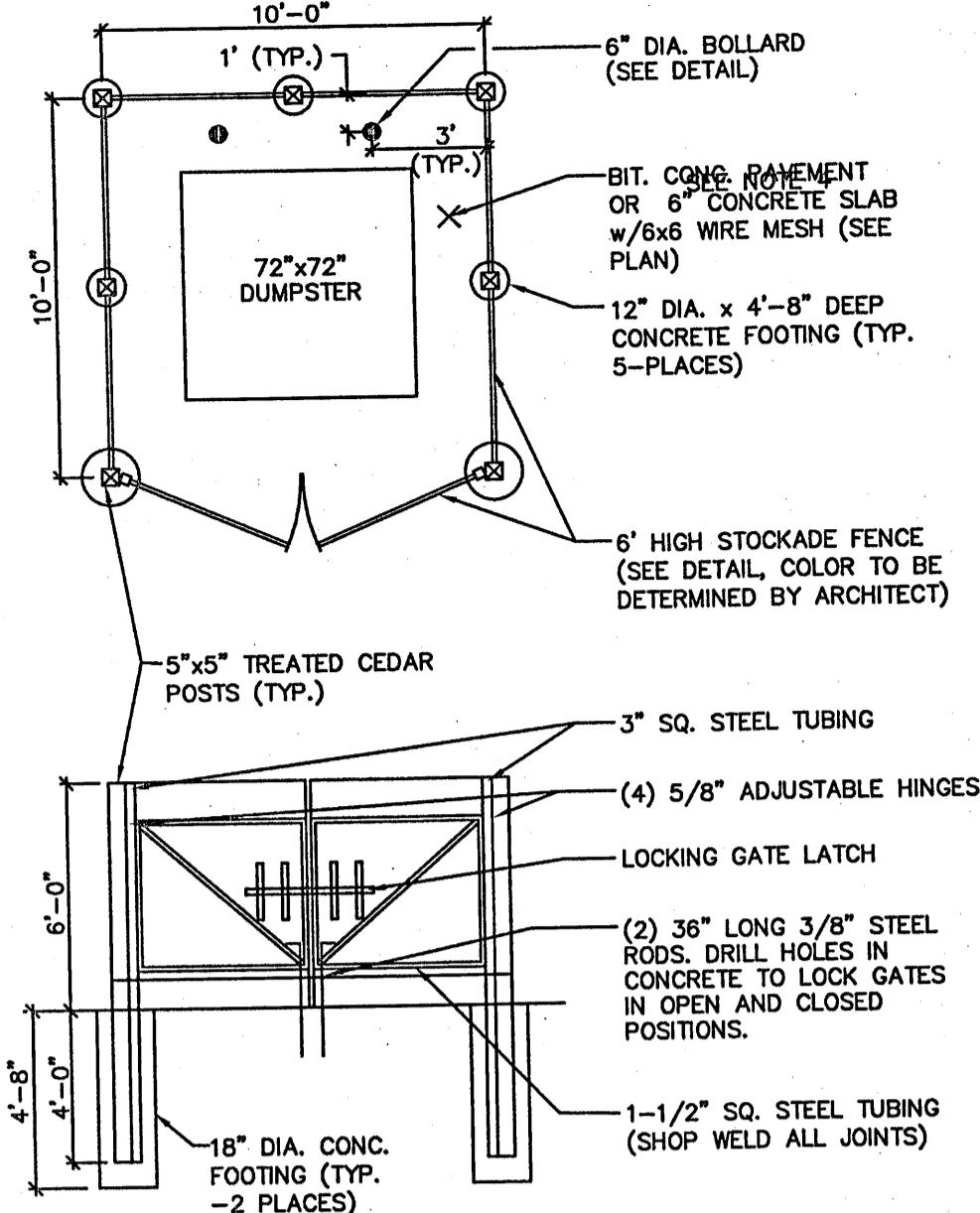


**BAYSAVER TECHNOLOGIES**  
1030 Deer Hollow Drive Mount Airy, MD 21771 1-800-BAYSAVER 1-800-229-7293

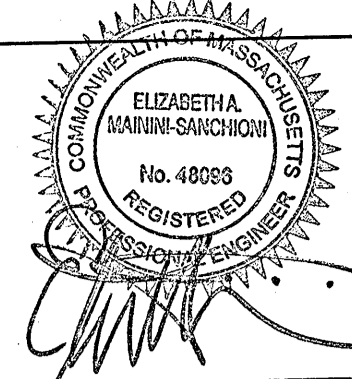
**ADS**  
4640 TRUSSMAN BLVD HILLIARD, OH 43026 1-800-733-7473



BARRACUDA S4 SYSTEM DETAIL



TRASH ENCLOSURE  
SCALE: 1/4"=1'-0"



DATE: 9-29-20

APPROVED DATE: \_\_\_\_\_ PLANNING BOARD

SIGNATURE DATE: \_\_\_\_\_ BEING A MAJORITY NOTES

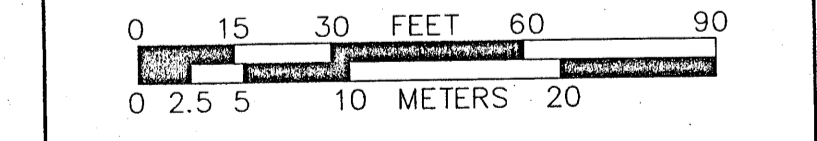
LEGEND

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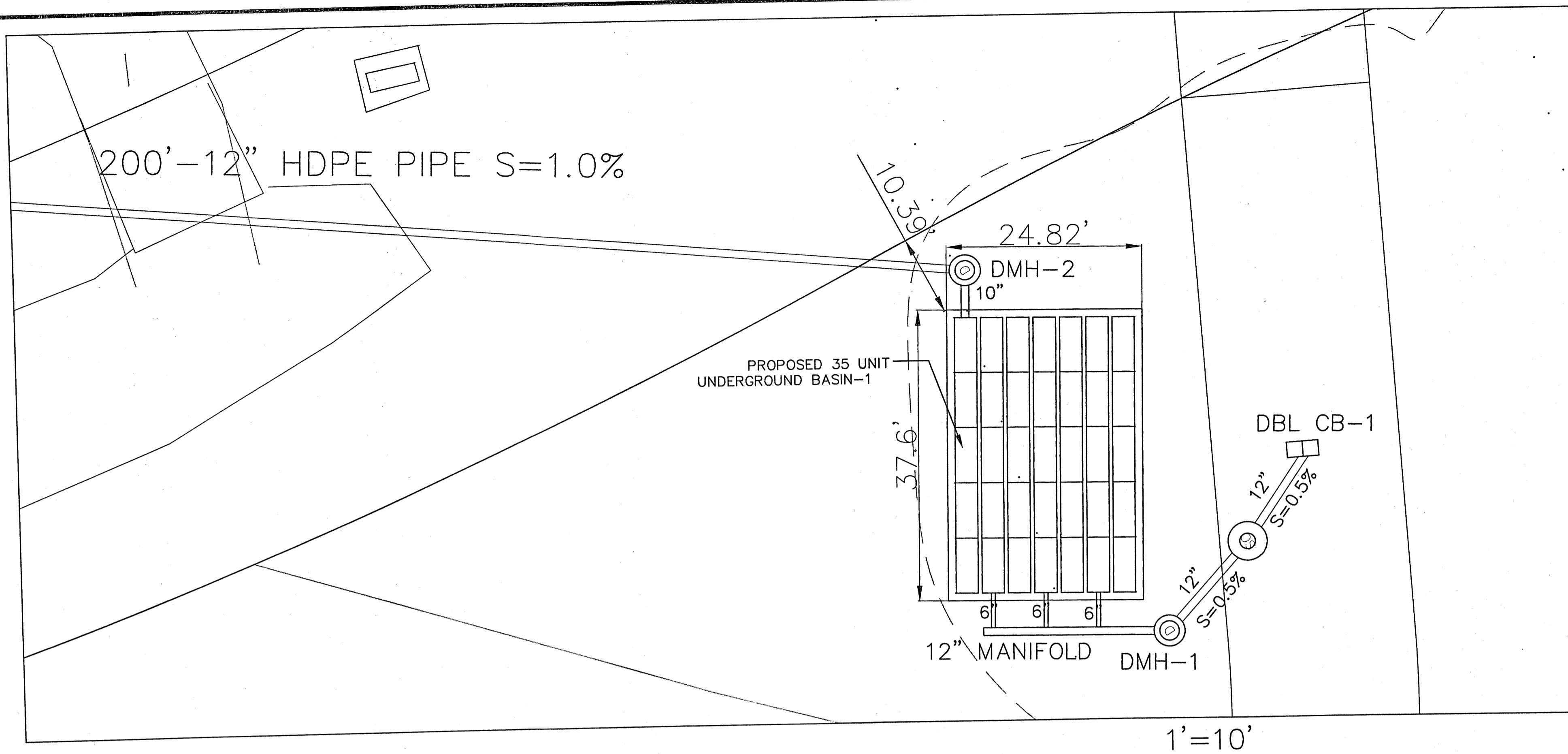
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(508) 473-6630 FAX: (508) 473-8243



200'-12" HDPE PIPE S=1.0%



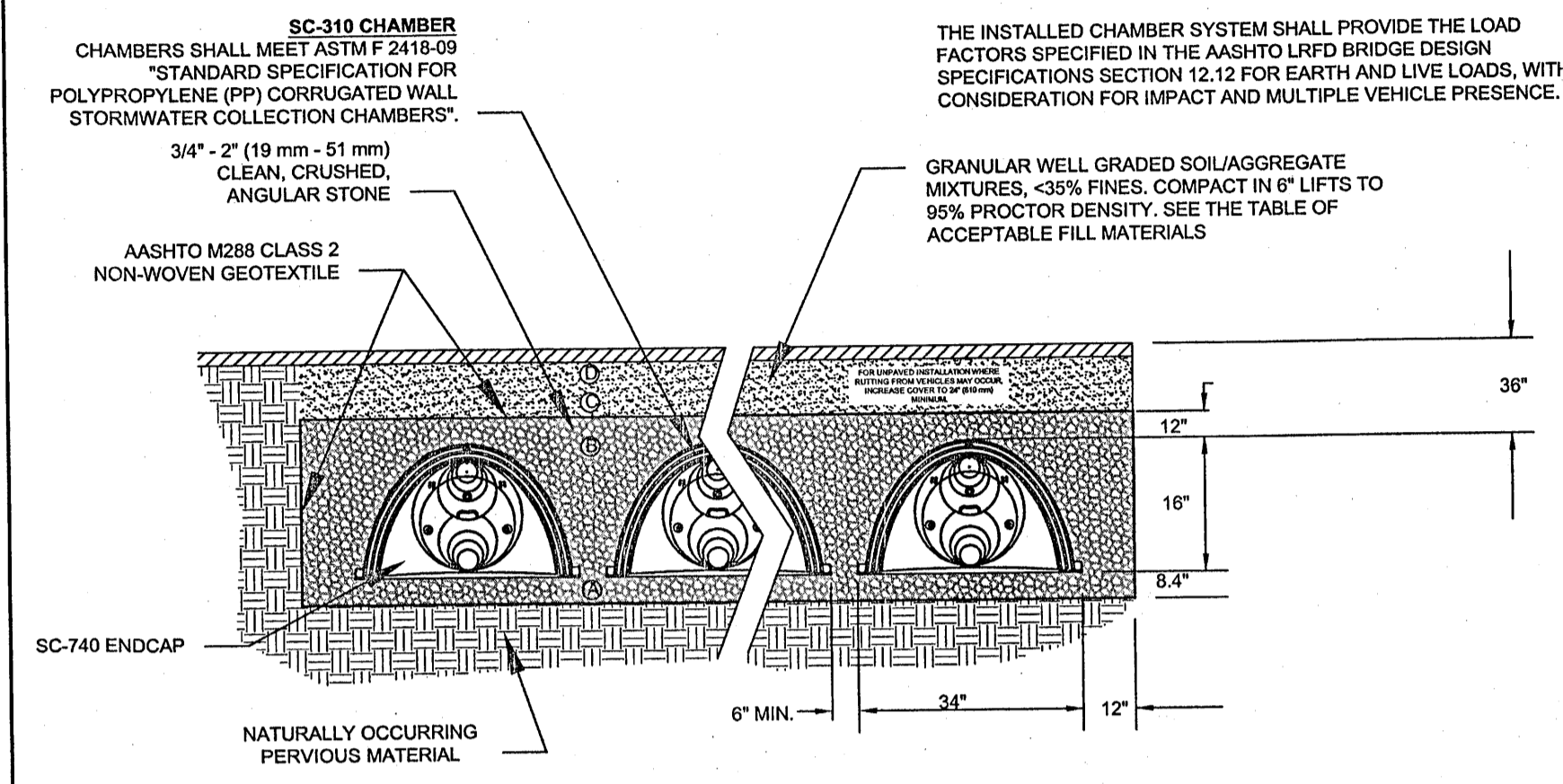
1"=10'

ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	AASHTO M33 DESIGNATION <sup>1</sup>	COMPACTION/DENSITY REQUIREMENT
① FILL MATERIAL FOR LAYER TO STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED DRIVE (OR ABOVE). NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THIS LAYER.	ANY SOLID/ROCK MATERIALS, NATIVE SOILS OR FINE ENGINEERED SANDS, CHECK PLANS FOR PAVEMENT SURGRADE REQUIREMENTS.	N/A	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRONGER MATERIAL AND PREPARATION REQUIREMENTS.
② FILL MATERIAL FOR LAYER TO STARTS FROM THE TOP OF THE EMBEDED STONE OF LAYER TO 18" (457 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBGRADE MAY BE A PART OF THIS LAYER.	GRANULAR WELL GRADED SOIL/AGGREGATE MIXTURES - 3% FINES. MOST PAVEMENT SUB BASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	3.35, 4.48, 5.26, 5.7, 6.42, 6.7, 7.26, 8.06, 10	BEGIN COMPACTION AFTER 1" (25 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYER(S) AT 150 mm (6") LIFTS TO A MIN. 95% PROCTOR DENSITY. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 20,000 lb (90 kN).
③ EMBEDED STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION: BETWEEN 3/4" - 2" (19 - 51 mm)	3.35, 4.48, 5.26, 5.7	NO COMPACTION REQUIRED.
④ FOUNDATION STONE BELOW CHAMBERS FROM THE SURFACE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE, NOMINAL SIZE DISTRIBUTION: BETWEEN 3/4" - 2" (19 - 51 mm)	3.35, 4.48, 5.26, 5.7	SCALE COMPACT OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY.

PLEASE NOTE:  
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN, CRUSHED, ANGULAR, NO. 4 (AASHTO M33) STONE."  
 2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR\* LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (152 mm) MAX) LIFTS USING TWO FULL COVERAGES WITH AN APPROPRIATE COMPACTOR.

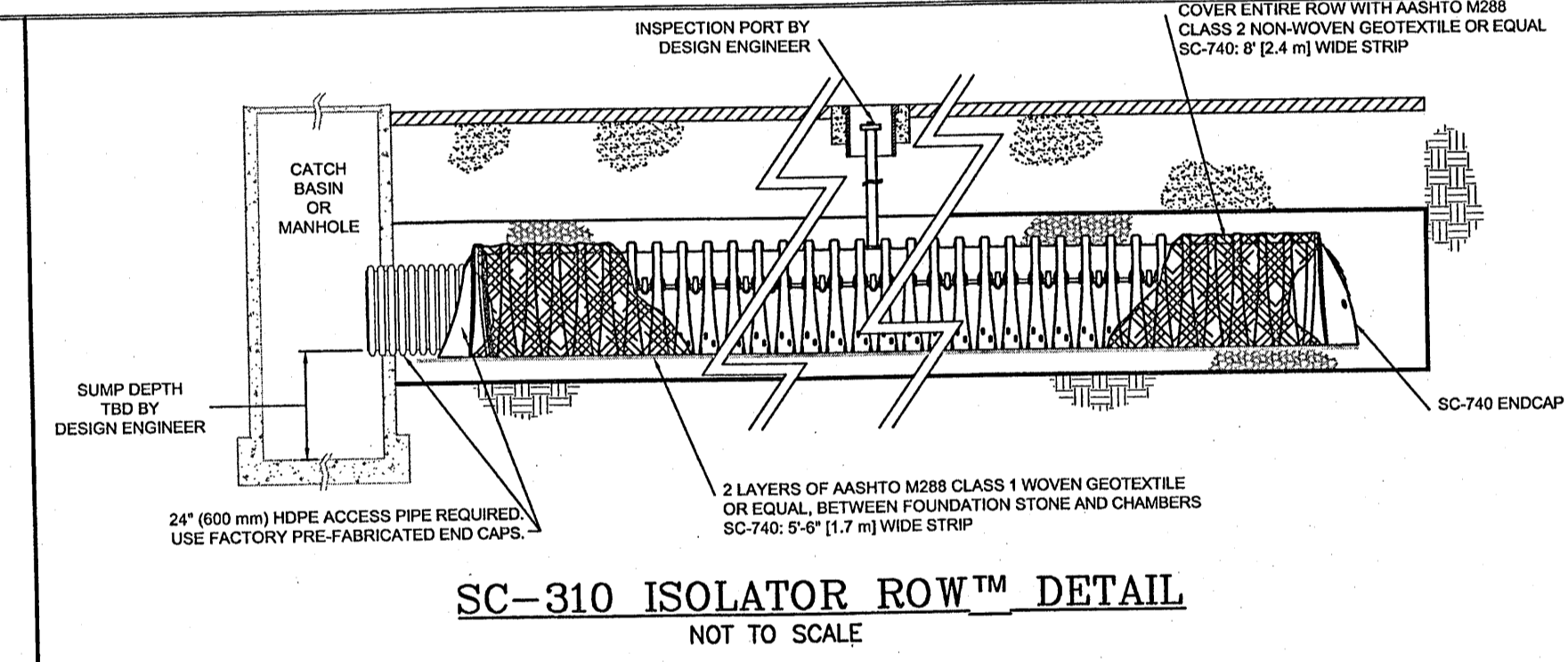
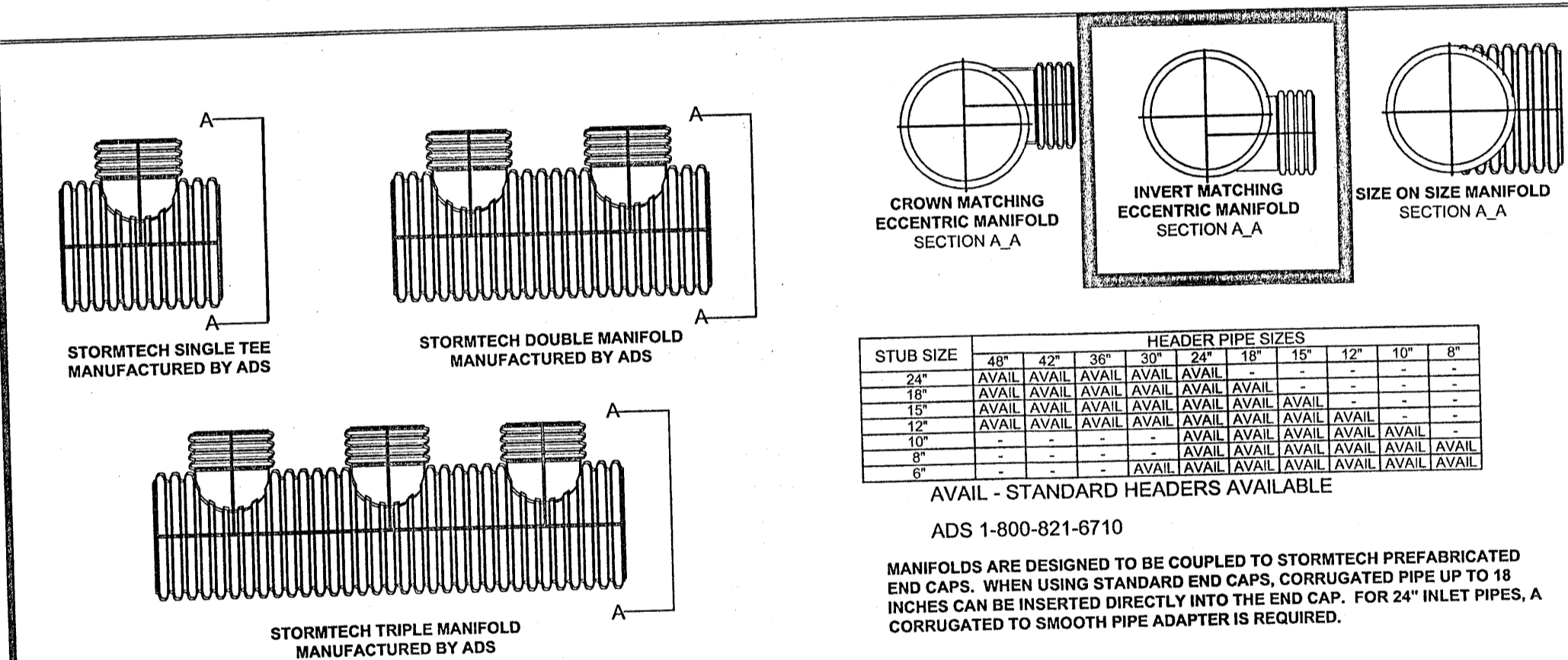
STORMTECH ACCEPTABLE FILL MATERIALS



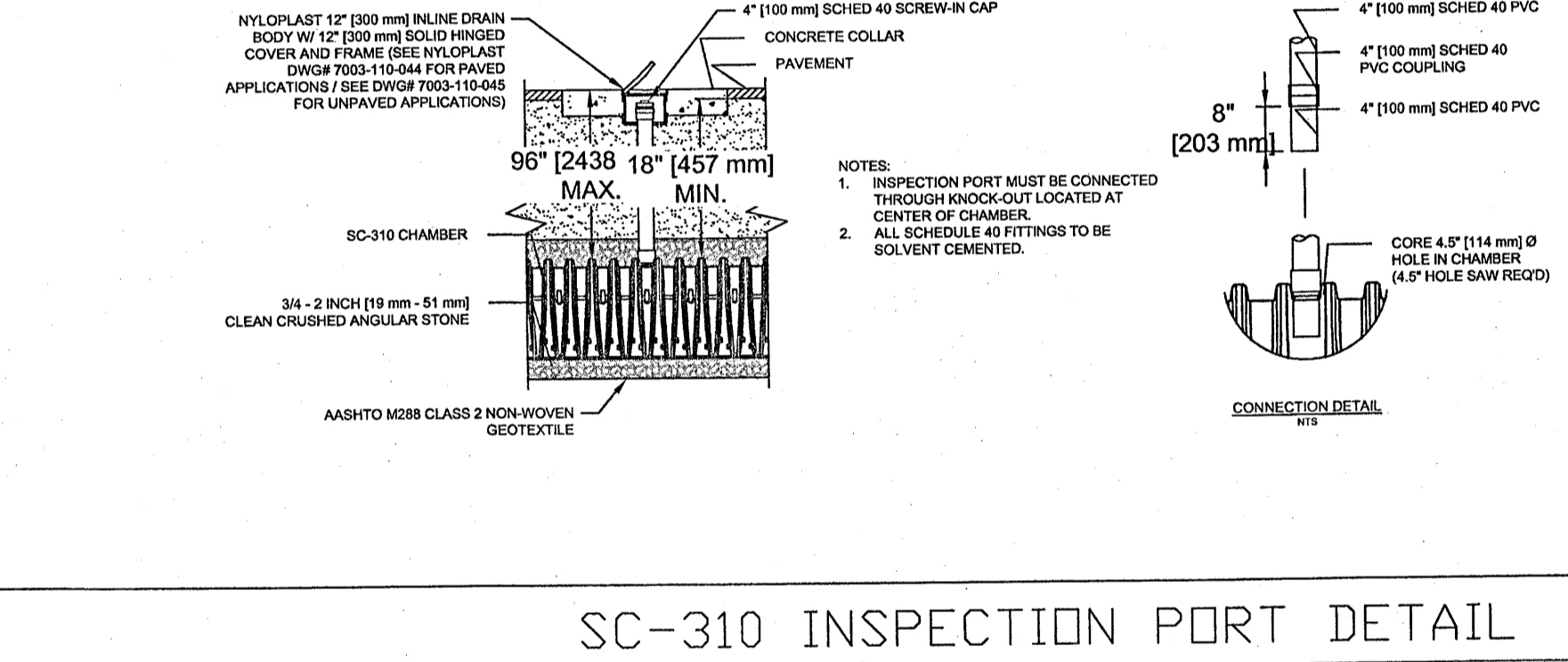
SC-310 STANDARD CROSS SECTION

NOTES

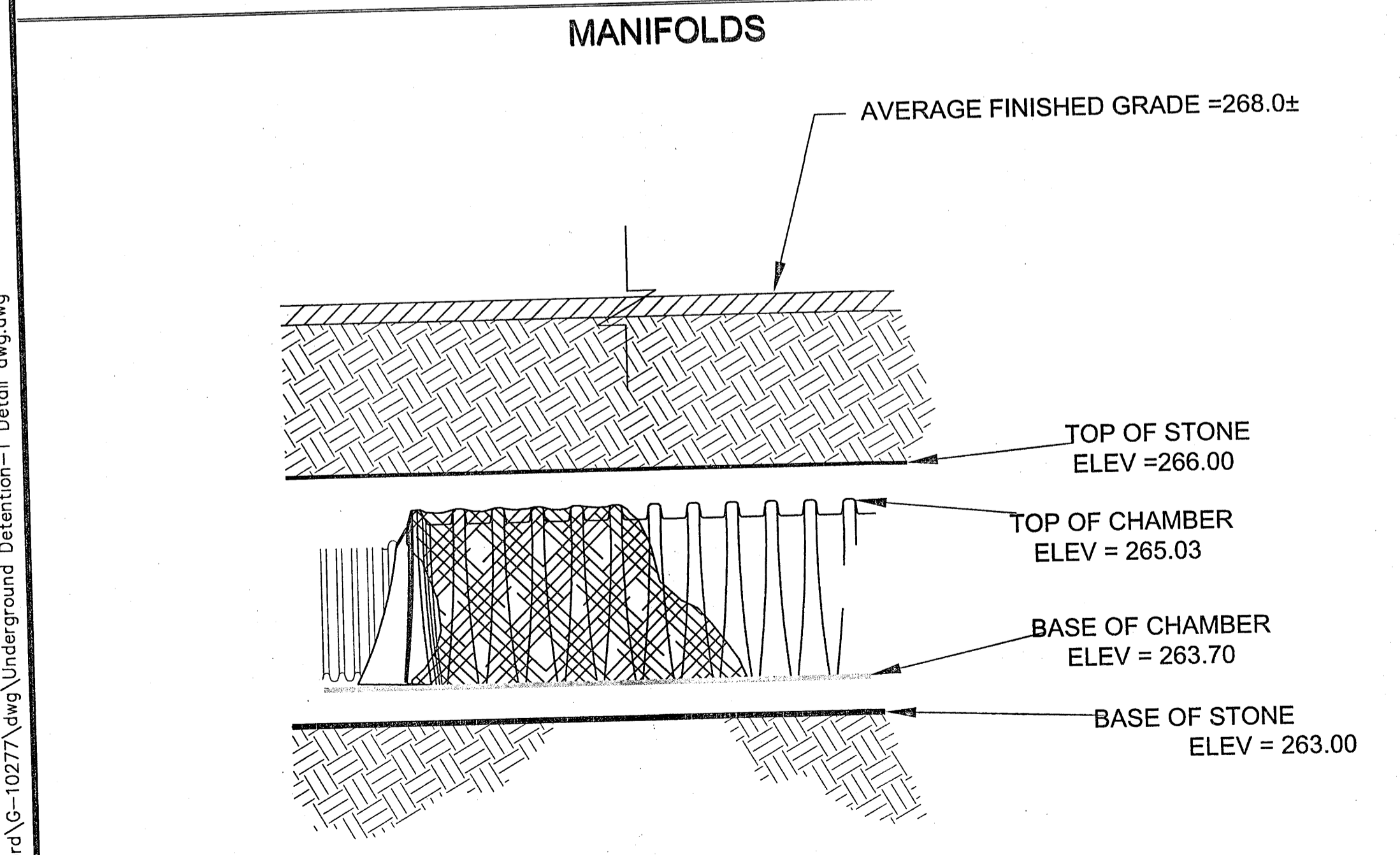
- CONSTRUCTION ON THIS LOT IS SUBJECT TO ANY EASEMENTS, RIGHTS-OF-WAY, RESTRICTIONS, RESERVATIONS OR OTHER LIMITATIONS WHICH MAY BE REVEALED BY AN EXAMINATION OF THE TITLE.
- "WARNING" EXISTING UTILITY LINES INDICATED OR NOTED ON THESE DRAWINGS ARE SHOWN AS OBTAINED FROM EXISTING INFORMATION AND ARE ONLY APPROXIMATE IN LOCATION. THE CONTRACTOR SHALL TAKE CAUTION IN THESE AREAS TO AVOID DAMAGE TO EXISTING UTILITY LINES AND/OR HARM TO PERSONNEL ENGAGED IN WORKING IN THESE AREAS. CALL "DIG SAFE" 1-888-DIG-SAFE (1-888-344-7233). EXISTING LINES OTHER THAN THOSE INDICATED ON THESE DRAWINGS MAY BE ON THE SITE. THE CONTRACTOR IS WARNED TO PROCEED WITH CAUTION WITH ALL WORK, ESPECIALLY EXCAVATION WORK, AND TO MAKE ALL POSSIBLE INVESTIGATIONS AS TO POSSIBLE UNMARKED UTILITY LINES.



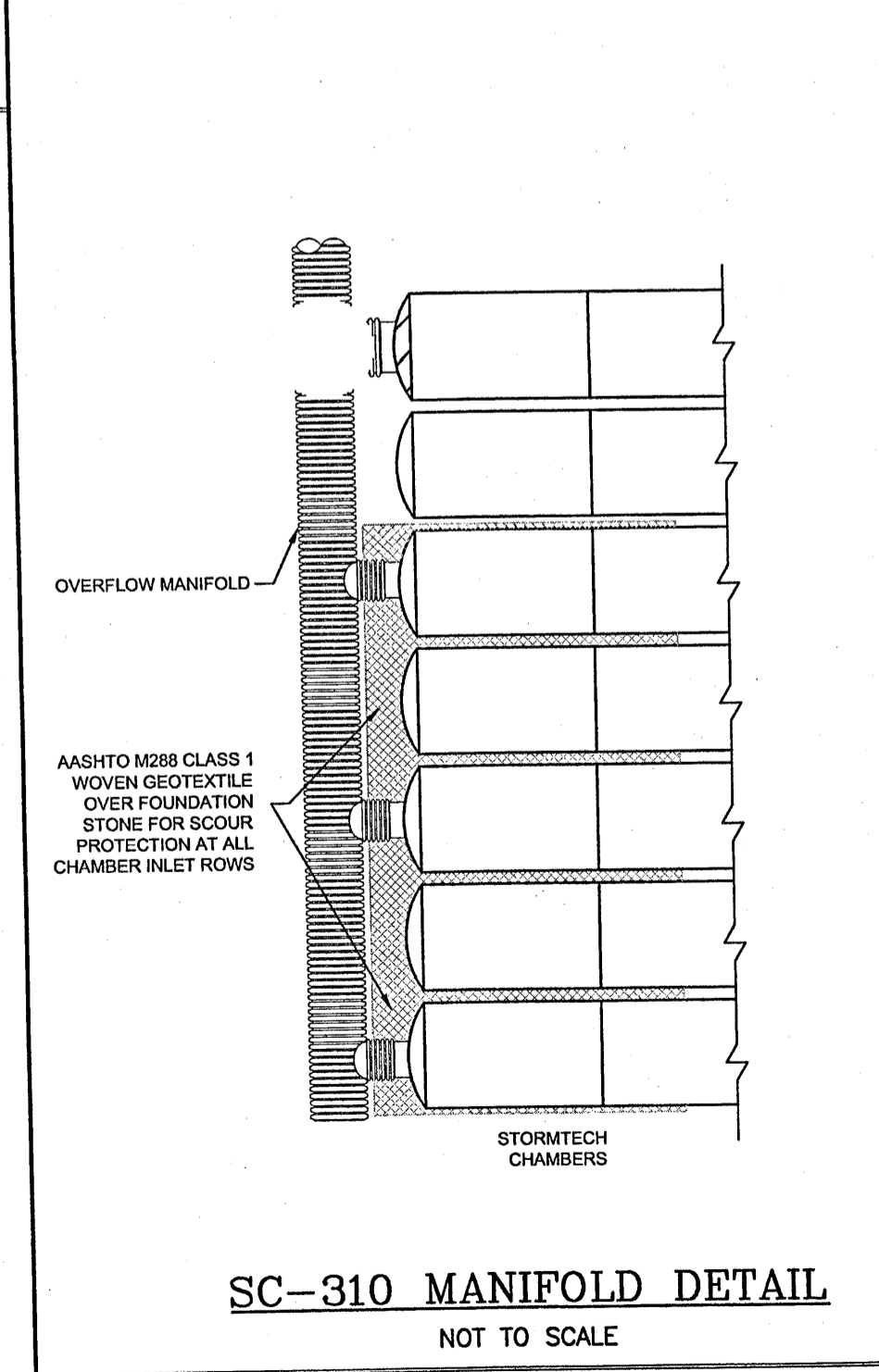
SC-310 ISOLATOR ROW™ DETAIL  
 NOT TO SCALE



SC-310 INSPECTION PORT DETAIL

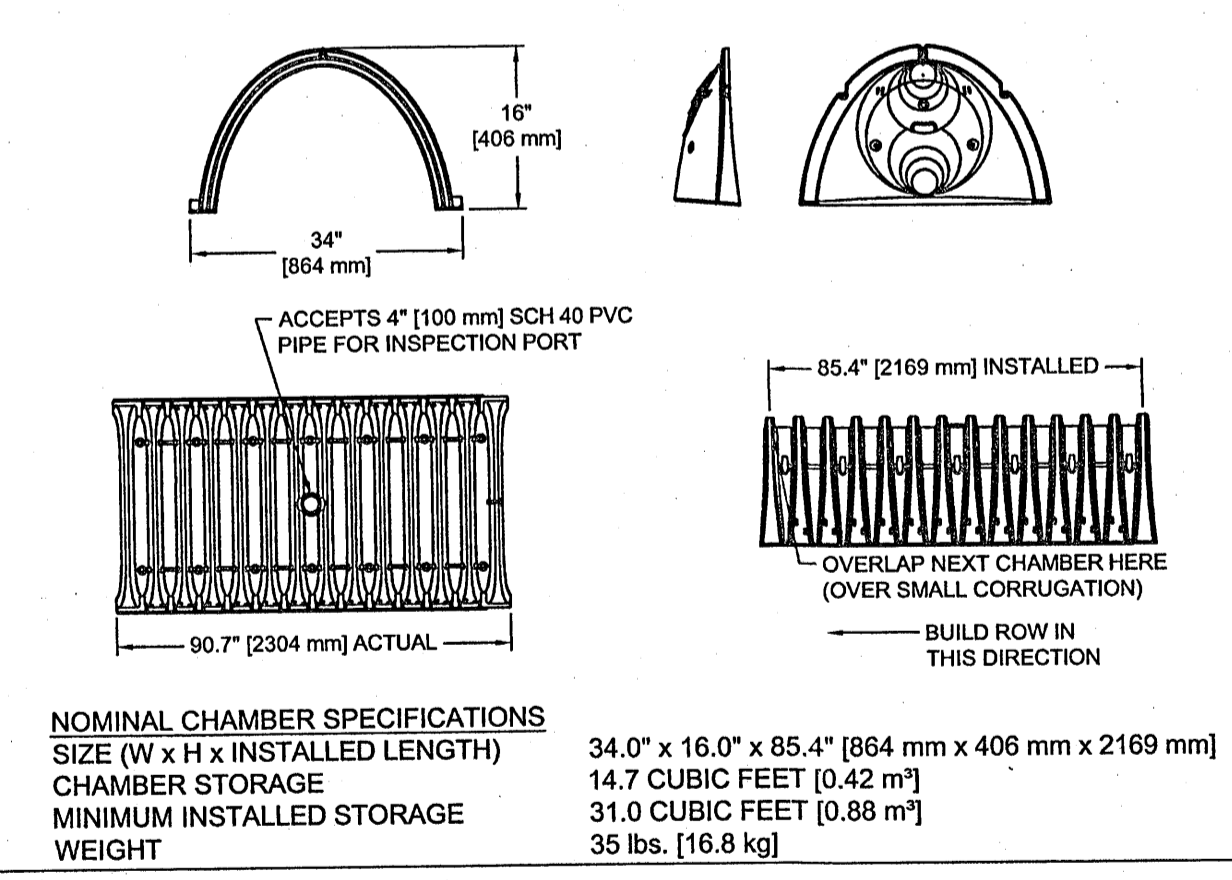


SC-310 ELEVATIONS



SC-310 MANIFOLD DETAIL  
 NOT TO SCALE

SC-310 MANIFOLD DETAIL



SC-310 TECHNICAL SPEC.

- ALL DESIGN SPECIFICATIONS FOR STORMTECH SC-310 CHAMBERS SHALL BE IN ACCORDANCE WITH THE STORMTECH DESIGN MANUAL.
- THE INSTALLATION OF STORMTECH SC-310 CHAMBERS SHALL BE IN ACCORDANCE WITH THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
- THE CONTRACTOR IS ADVISED TO REVIEW AND UNDERSTAND THE INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING SYSTEM INSTALLATION. CALL 1-888-892-2694 OR VISIT [WWW.STORMTECH.COM](http://WWW.STORMTECH.COM) TO RECEIVE A COPY OF THE LATEST STORMTECH INSTALLATION INSTRUCTIONS.
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SC-310 NOTES

STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"  
 STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"

PART#	STUB	A	B	C
SC310EPE06T	6" (150 mm)	9.6" (244 mm)	5.8" (147 mm)	N/A
SC310EPE06B	6" (150 mm)	9.6" (244 mm)	9.6" (244 mm)	0.50" (13 mm)
SC310EPE08T	8" (200 mm)	11.9" (310 mm)	3.5" (89 mm)	N/A
SC310EPE08B	8" (200 mm)	11.9" (310 mm)	N/A	0.60" (15 mm)
SC310EPE10T	10" (250 mm)	12.7" (323 mm)	1.4" (36 mm)	N/A
SC310EPE10B	10" (250 mm)	12.7" (323 mm)	N/A	0.70" (18 mm)
SC310EPE12B	12" (300 mm)	13.5" (343 mm)	N/A	0.90" (23 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL.  
 ALL STUBS, EXCEPT FOR THE SC310EPE12B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.  
 \*FOR THE SC310EPE12B THE 12" (300 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 0.25" (6 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

OWNER  
 DA'BAKER REALTY LLC  
 148 IRONSTONE STREET  
 UXBRIDGE, MA 01759

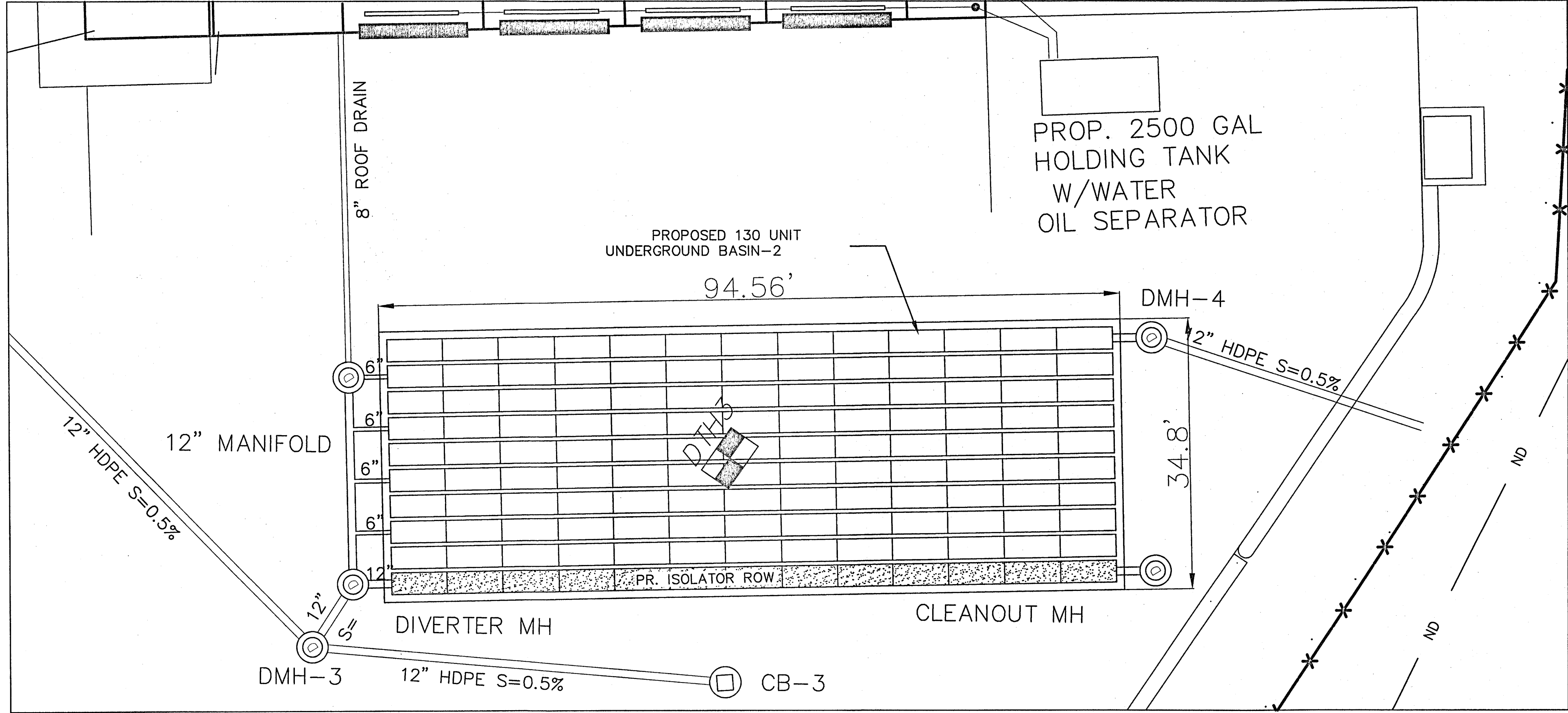
APPLICANT  
 DA'BAKER REALTY LLC  
 148 IRONSTONE STREET  
 UXBRIDGE, MA 01759

LANZETTA EXCAVATING  
 63 PROVIDENCE ST.

UNDERGROUND BASIN-2  
 DETAIL SHEET  
 IN  
 MILFORD, MA  
 SCALE: NOT TO SCALE  
 SEPTEMBER 25, 2020

00	DATE	INITIAL	SUBMITTAL	INT



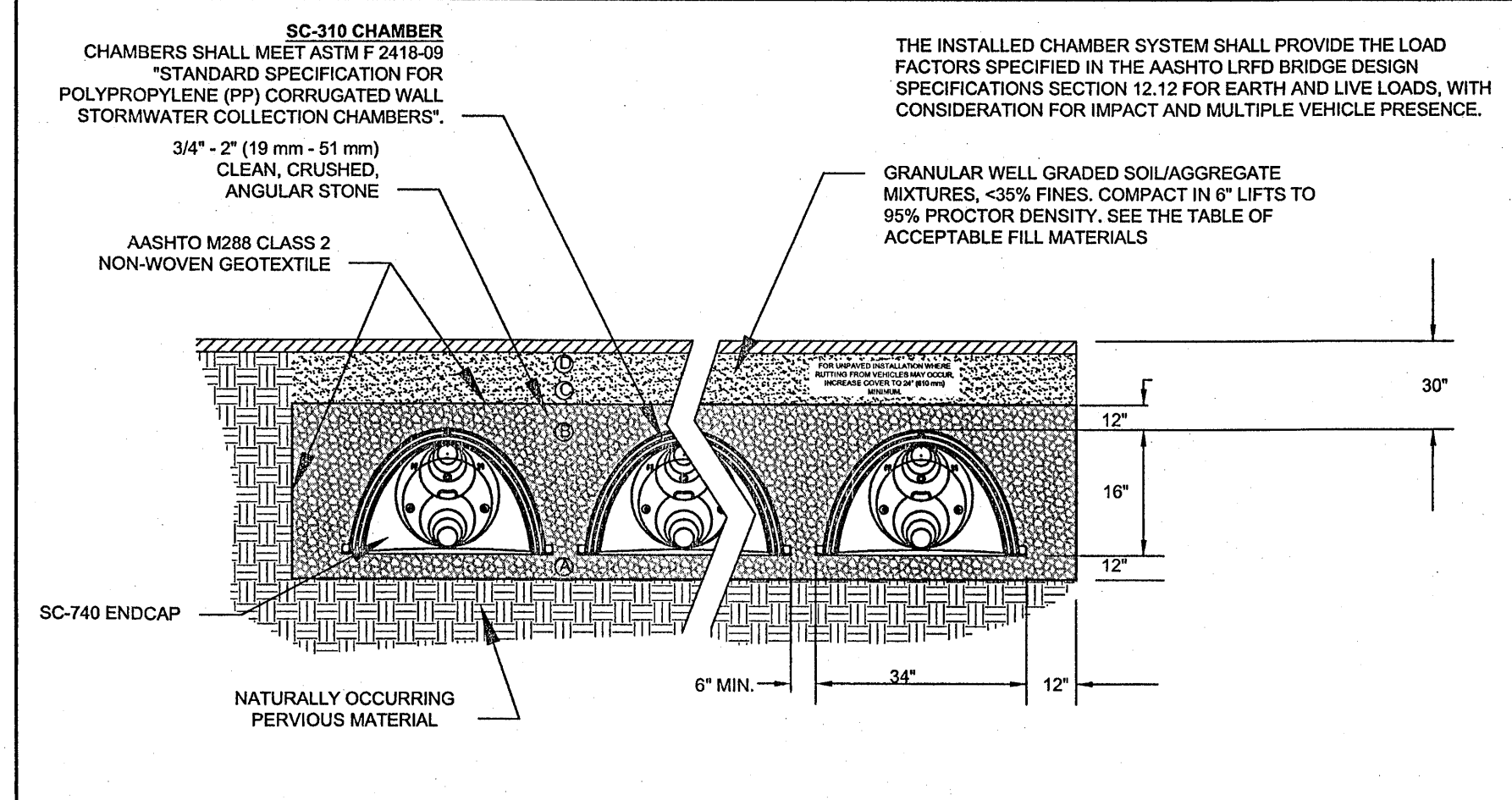


ACCEPTABLE FILL MATERIALS: STORMTECH SC-740 CHAMBER SYSTEMS

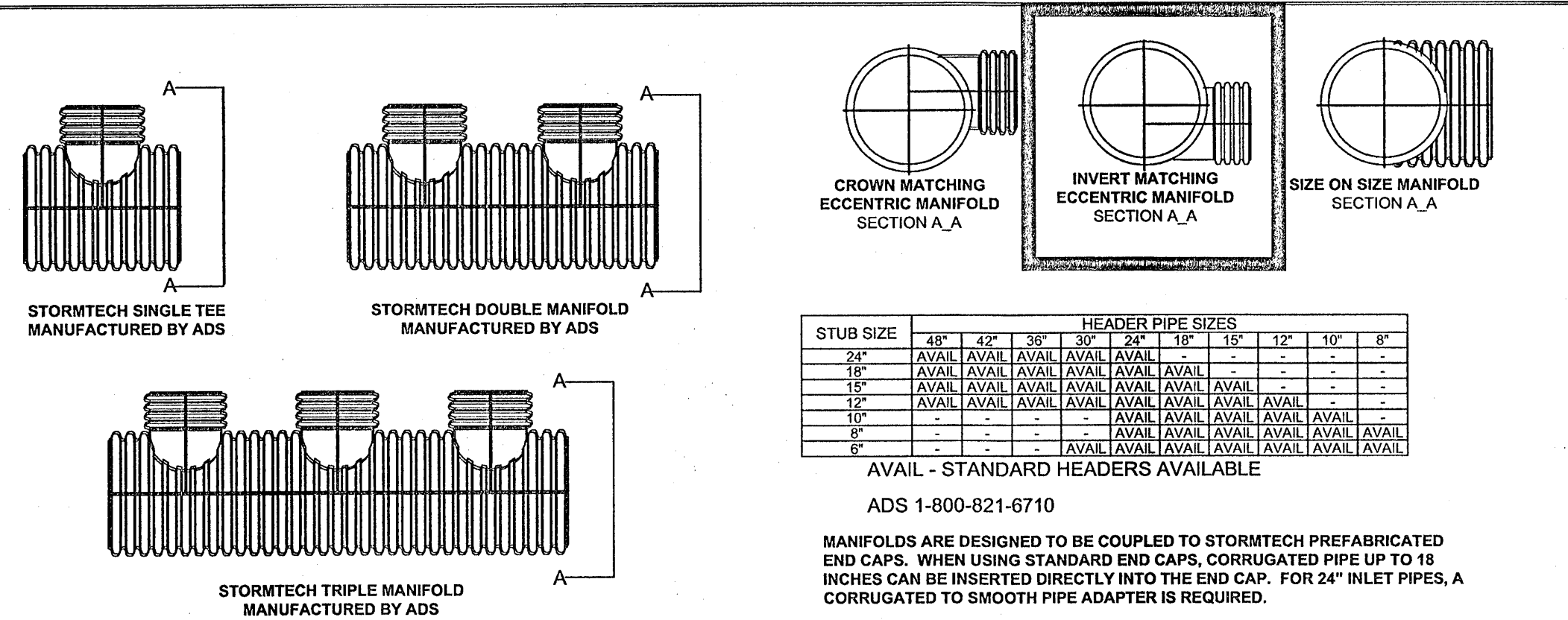
MATERIAL LOCATION	DESCRIPTION	AASHTO M43 DESIGNATION	COMPACTION/DENSITY REQUIREMENT
1	FILL MATERIAL FOR LAYER 12 STARTS FROM THE TOP OF THE 12" LAYER TO THE BOTTOM OF FLEEBE PAVEMENT OR LOWER FINISH GRADE ABOVE. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THIS LAYER.	NA	PREPARE PER ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
2	FILL MATERIAL FOR LAYER 12 STARTS FROM THE TOP OF THE EMBEDMENT STONE TO LAYER 12 (18" LIFT) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBGRADE MAY BE A PART OF THIS LAYER.	3.50, 4.40, 5.04, 5.67, 6.31, 7.14, 8.00, 9.10	BEGIN COMPACTION AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBER IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) LIFTS TO A MIN. 95% STANDARD PROCTOR DENSITY. ROLLER GROSS WEIGHT SHOULD NOT EXCEED 12,000 lb (5,443 kg). DYNAMIC FORCE NOT TO EXCEED 2000 lb (907 kg).
3	EMBEDMENT STONE SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (12" LAYERS TO THE 12" LAYER ABOVE).	3.50, 4.40, 5.04, 5.67	NO COMPACTION REQUIRED.
4	FOUNDATION STONE BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	3.50, 4.40, 5.04, 5.67	PLATE COMPACTION OR ROLL TO ACHIEVE A 95% STANDARD PROCTOR DENSITY.

PLEASE NOTE:  
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE."  
 2. AS AN ALTERNATE TO PROCTOR TESTING AND FIELD DENSITY MEASUREMENTS ON OPEN GRADED STONE, STORMTECH COMPACTION REQUIREMENTS ARE MET FOR "X" LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERS WITH AN APPROPRIATE COMPACTOR.

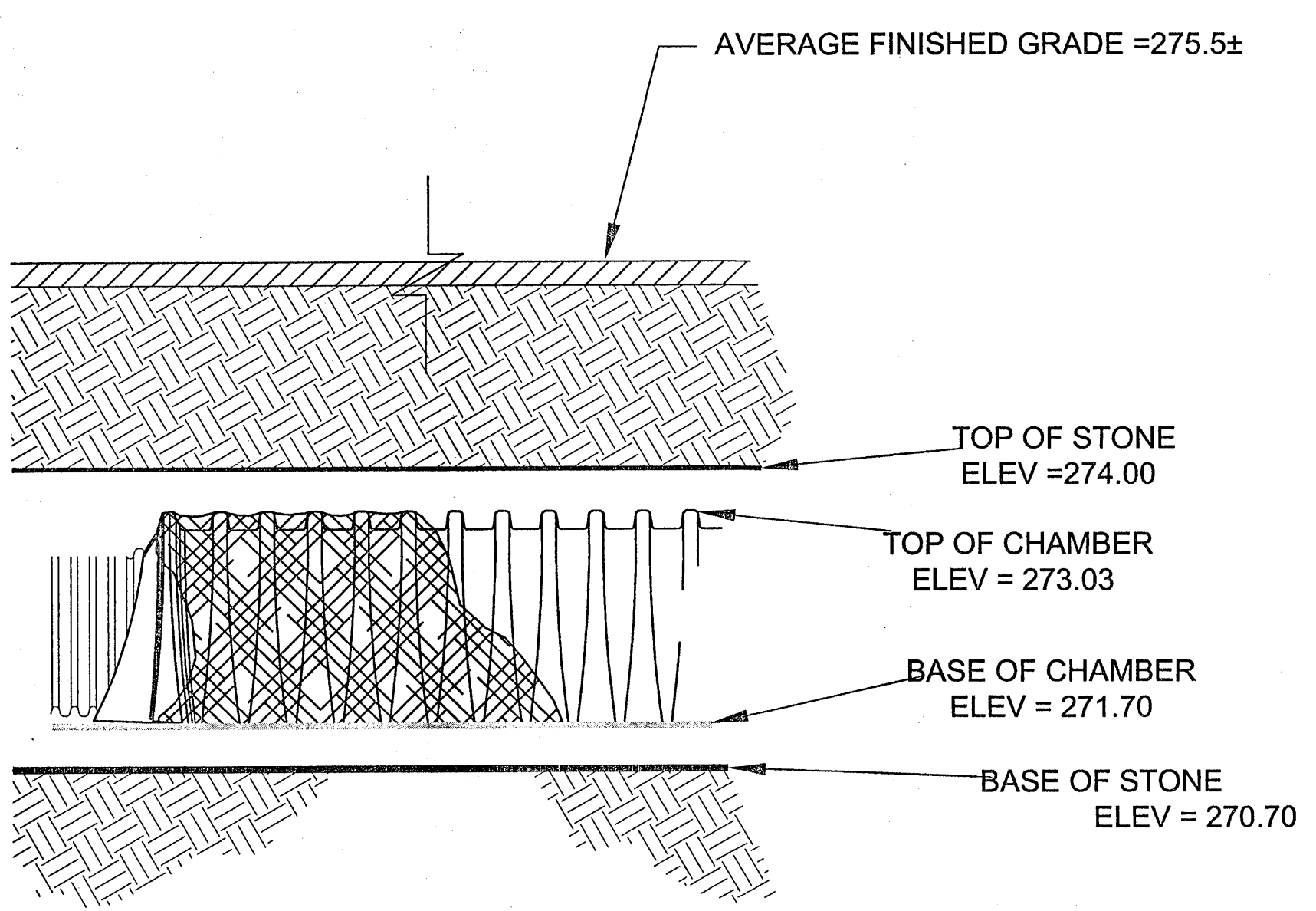
STORMTECH ACCEPTABLE FILL MATERIALS



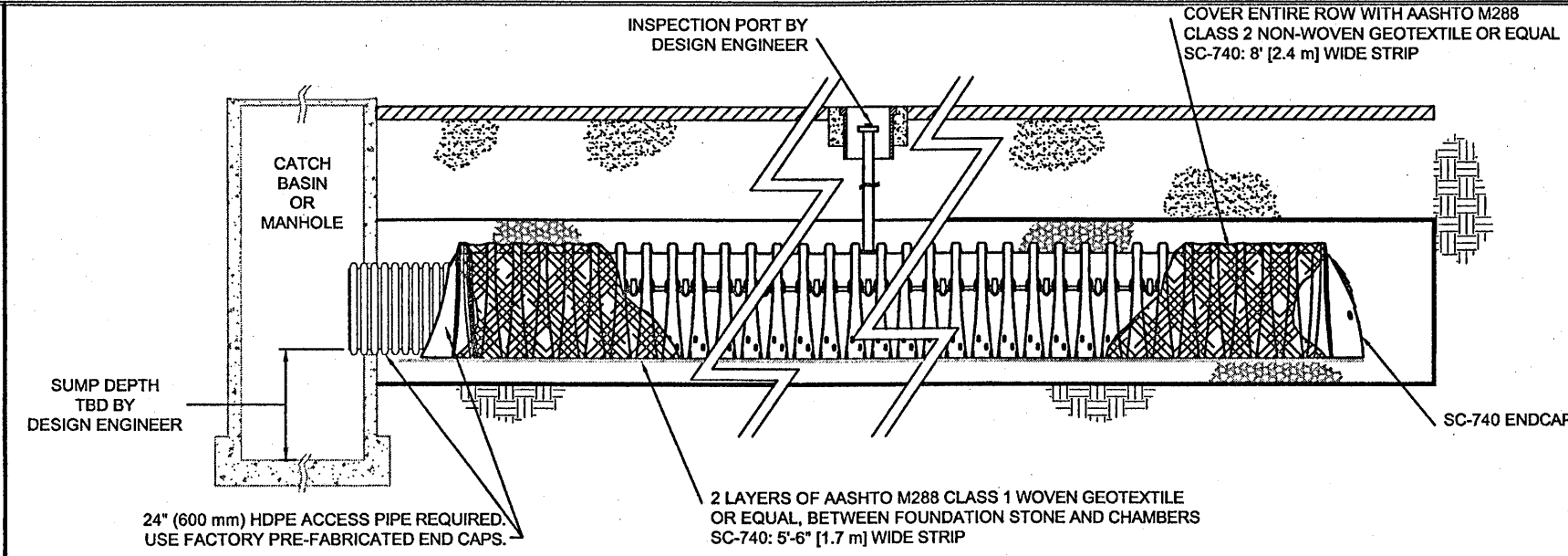
SC-310 STANDARD CROSS SECTION



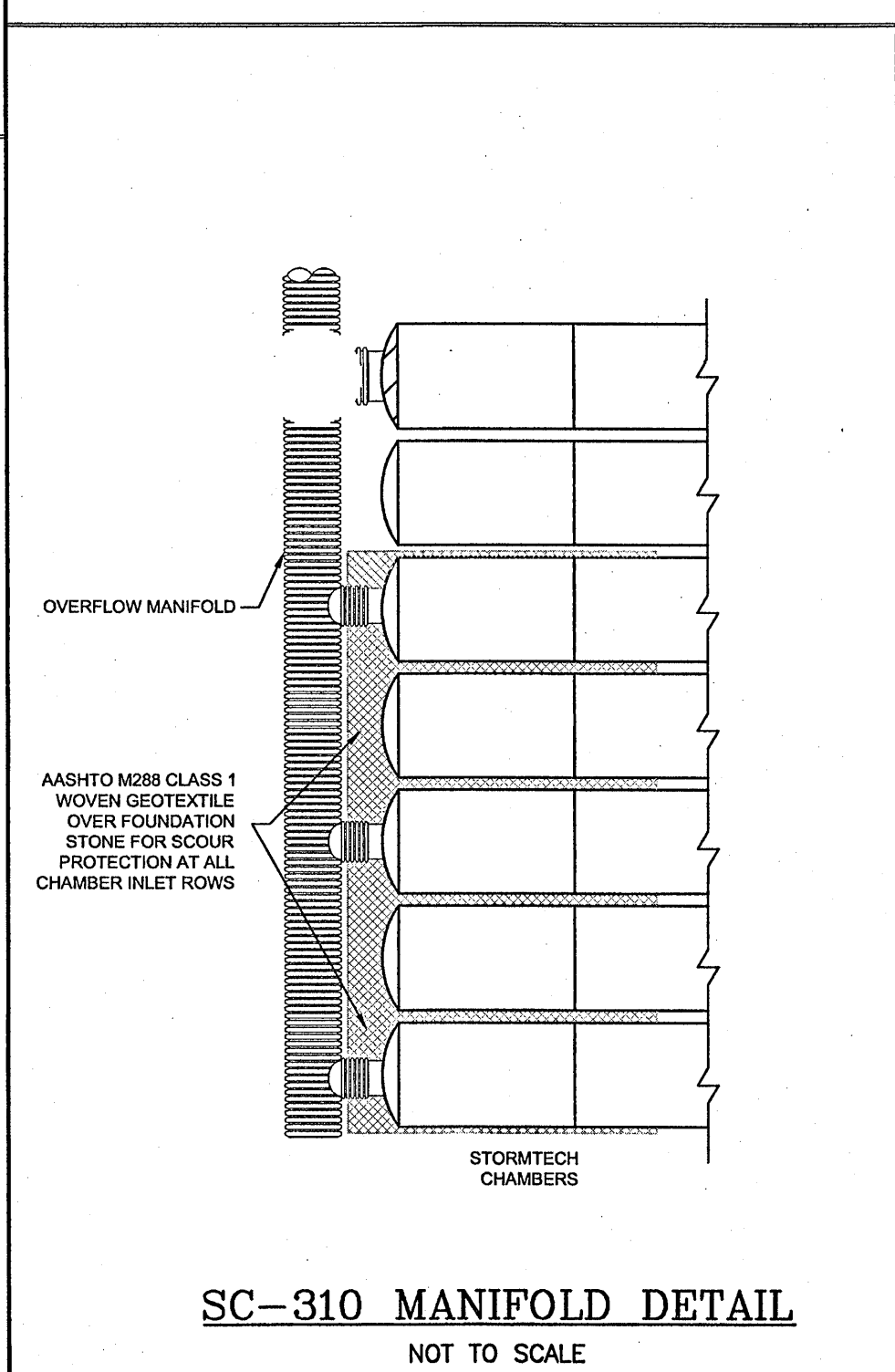
MANIFOLDS



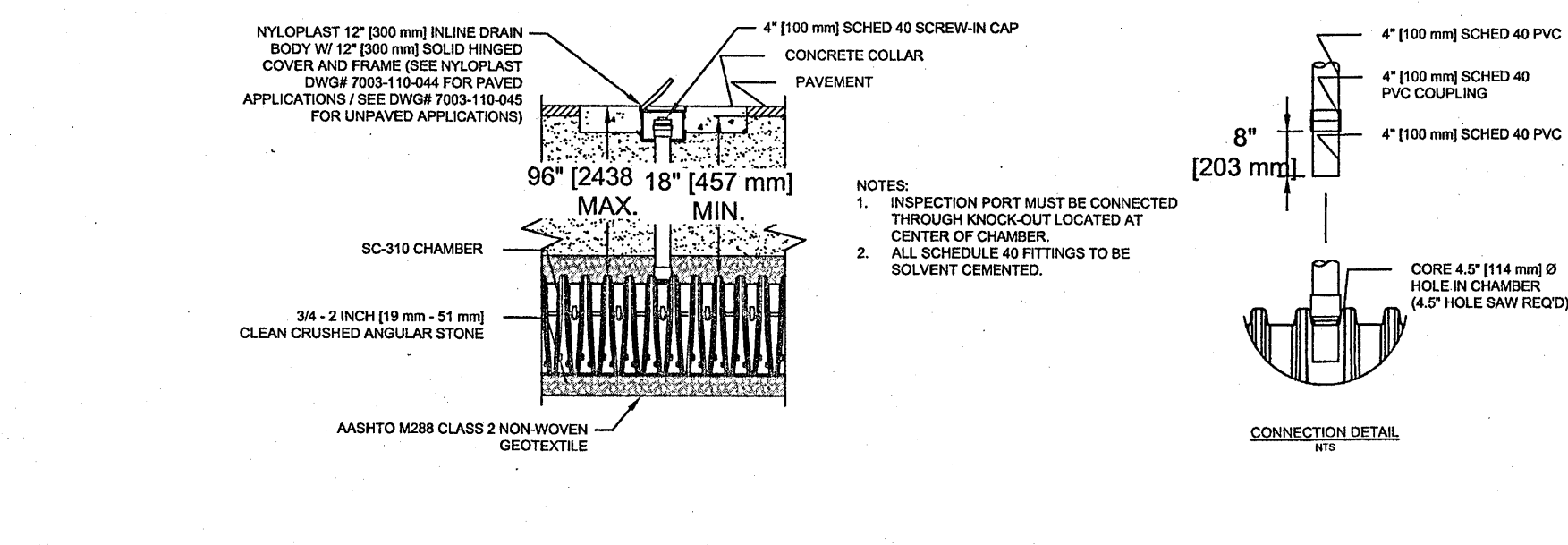
SC-310 ELEVATIONS



SC-310 ISOLATOR ROW™ DETAIL NOT TO SCALE



SC-310 MANIFOLD DETAIL



SC-310 INSPECTION PORT DETAIL

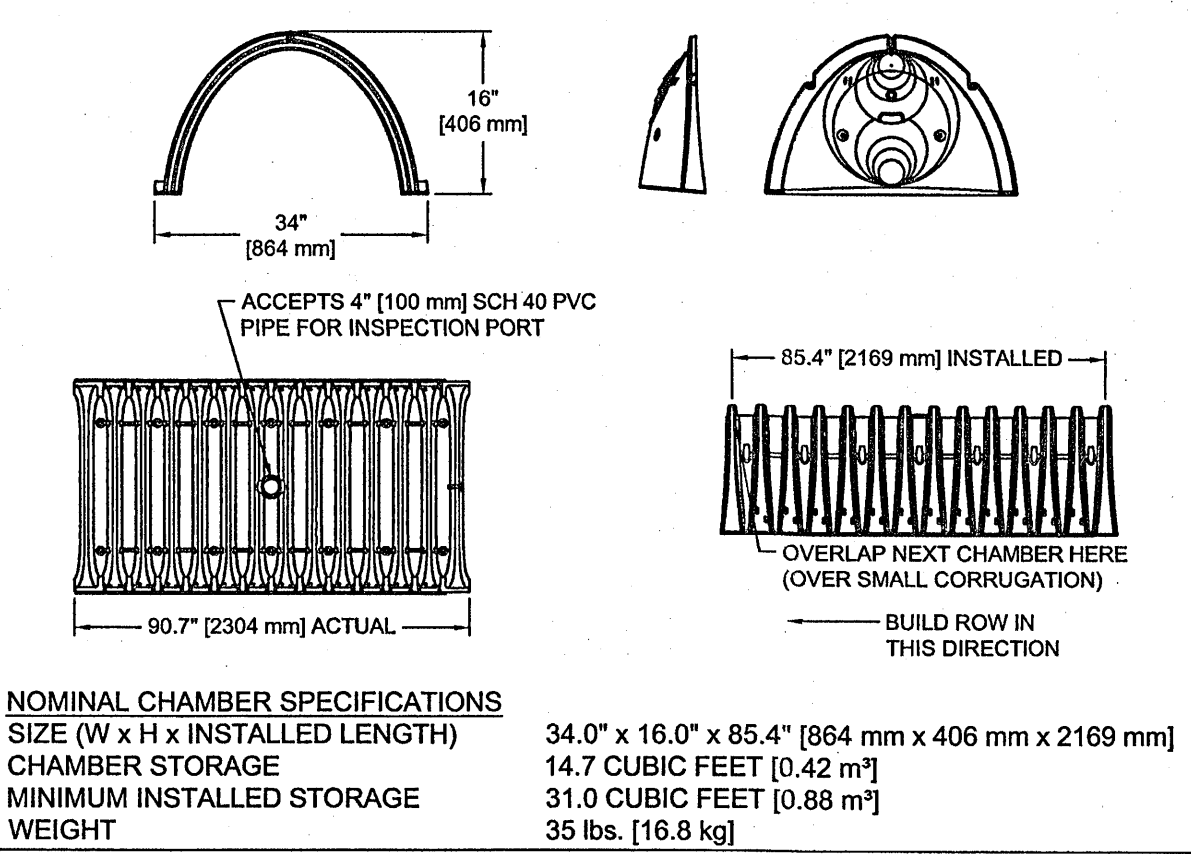
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SC-310 NOTES

**StormTech**  
 Detention • Retention • Recharge  
 Subsurface Stormwater Management™

ELIZABETH SANCHEZ  
 No. 48003  
 REGISTERED PROFESSIONAL ENGINEER  
 STATE OF MASSACHUSETTS  
 DATE: 9-28-20 DATE:

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**Guerriere & Halnon, Inc.**  
 ENGINEERING & LAND SURVEYING  
 333 WEST STREET MILFORD, MA 01757 PH. (508) 473-6630 FX. (508) 473-8243  
 www.gondhengineering.com