

SHELL POINT PLACE DEFINITIVE SUBDIVISION

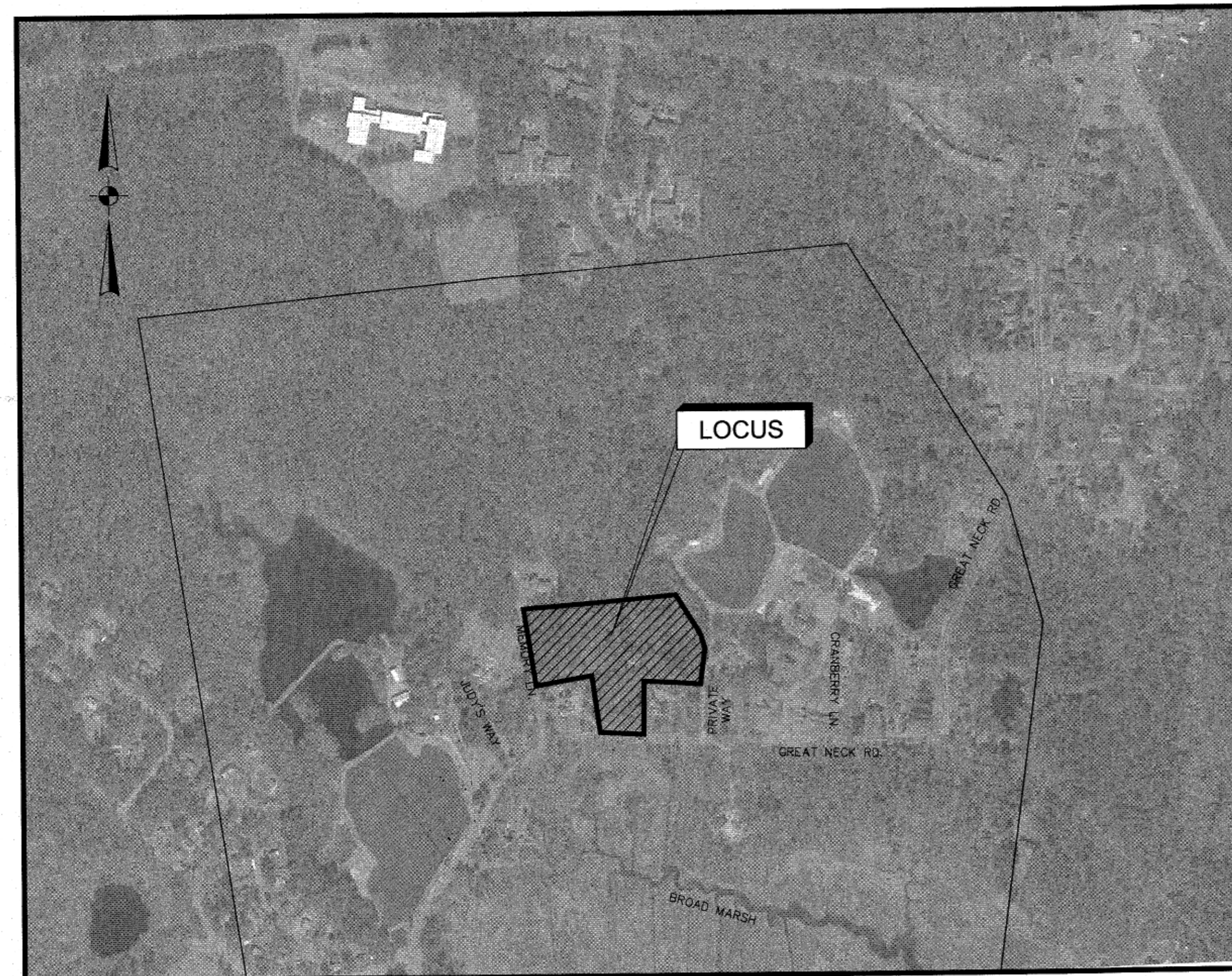
SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: OCTOBER 7, 2021
LATEST ISSUE: MARCH 9, 2022

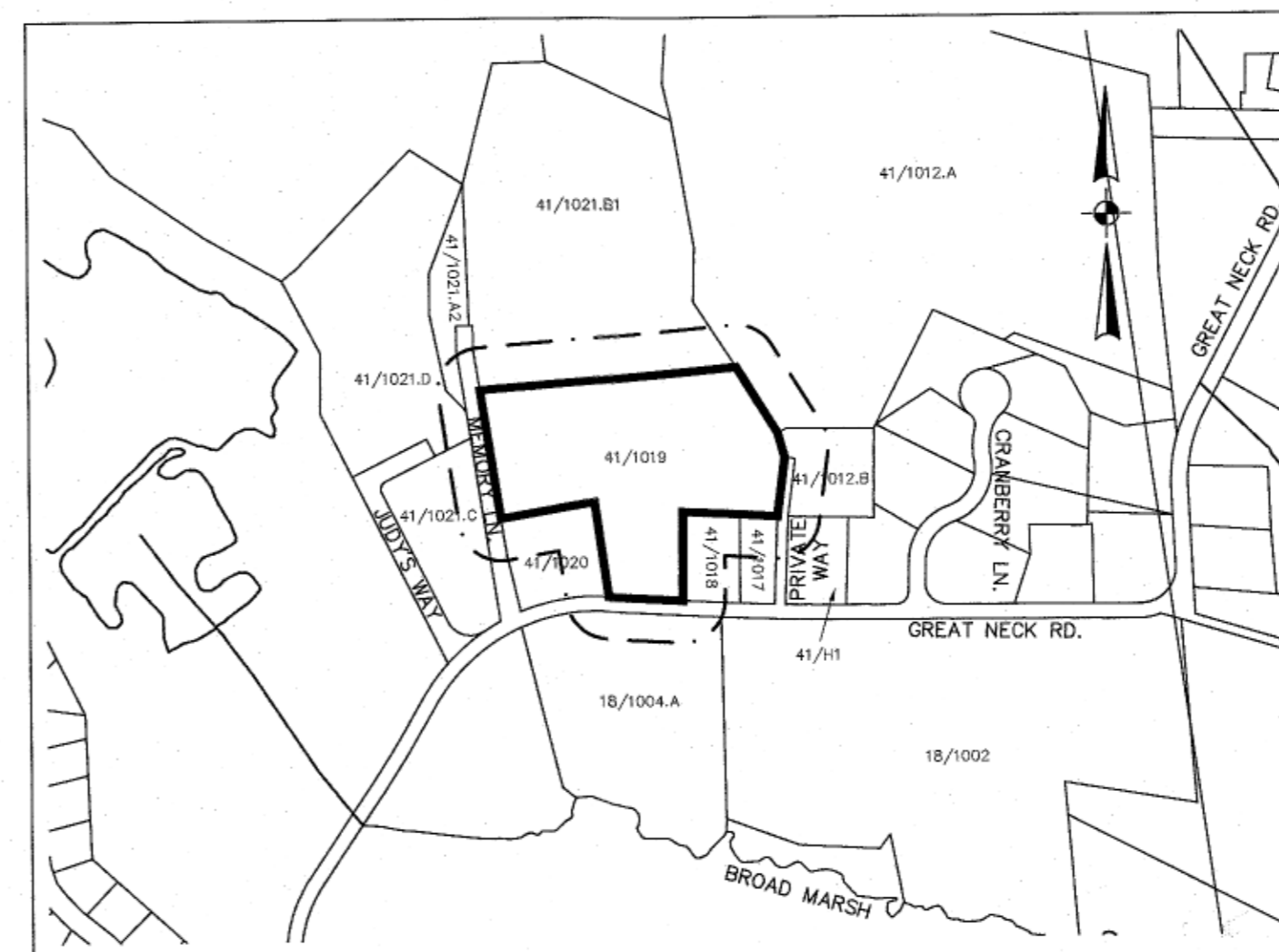
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

INDEX TO DRAWINGS

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SCALE: 1"=400'



LOCUS PLAN
SCALE: 1"=400'

--- 100' NOTIFICATION LINE
--- PROJECT SITE

LOT NO.	OWNER OF RECORD
18/1002	PERCHED, INC.
18/1004.A	PERCHED, INC.
41/H1	JOYCE J. HGLSTER
41/1012.A	POPES POND CRANBERRY CO. INC.
41/1012.B	SUSAN M. NELSON
41/1017	JOYCE L. LEBLANC
41/1018	JOYCE L. LEBLANC
41/1020	RAYMOND E. & LYNELLE A. ST. JACQUES
41/1021.A2	PATTI H. SILVIA
41/1021.B1	PATTI H. SILVIA
41/1021.C	JUDITH C. JINSON
41/1021.D	JUDITH C. JINSON

WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION
CONTROL LAW IS REQUIRED

DATE APPROVED: _____

DATE ENDORSED: _____

I HEREBY CERTIFY THAT 20 DAYS HAVE ELAPSED
SINCE THE NOTICE OF APPROVAL FROM THE
PLANNING BOARD WAS RECEIVED AND RECORDED
AND NO NOTICE OF APPEAL HAS BEEN FILED IN
THIS OFFICE.

TOWN CLERK, WAREHAM, MA DATE

SHELL POINT PLACE
DEFINITIVE
SUBDIVISION

69 GREAT NECK ROAD
WAREHAM, MA



FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Project No.

2443

ENGINEER:

FIELD ENGINEERING CO., INC.
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739

OWNER/APPLICANT:

DAVID ANDRADE
P.O. BOX 255
19 OLD ONSET ROAD
ONSET, MA 02558

PROJECT LOCATION:

ASSESSORS MAP 41 LOT 1019
WAREHAM, MASSACHUSETTS

GENERAL CONSTRUCTION NOTES

- 1. THE MATERIALS AND CONSTRUCTION OF ALL PROPOSED UTILITIES SHALL CONFORM TO THE LOCAL D.P.W. STANDARDS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS. LATEST EDITION.
2. ALL CONSTRUCTION METHODS AND MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL D.P.W. AND THE PROJECT ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
...
14. EXCEPT AS NOTED ON THESE PLANS, THERE SHALL BE NO CLEARING OF VEGETATION BEYOND THE SPECIFIED LIMIT OF WORK LINES.

STORMWATER FACILITY OPERATION AND MAINTENANCE PLAN

NAME AND ADDRESS OF THE APPLICANT
DAVID ANDRADE
P.O. BOX 255
19 OLD ONSET ROAD
ONSET, MA 02358

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES UNTIL SUCH TIME AS THE STORMWATER MANAGEMENT SYSTEM IS ACCEPTED BY THE OWNER. THEREAFTER THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THIS OPERATION AND MAINTENANCE PLAN AS WELL AS THE CONTINUING CONDITIONS OF THE CERTIFICATE OF COMPLIANCE ON THE PROPERTY.
...
6. THE OWNER SHALL MAINTAIN AND SUBMIT TO THE CONSERVATION COMMISSION UPON REQUEST A BMP INSPECTION REPORT FOLLOWING EACH SITE INSPECTION AS RECOMMENDED ABOVE. THE BMP INSPECTION REPORT SHALL IDENTIFY THE DATE OF INSPECTION, THE NAME AND CONTACT NUMBER OF THE RESPONSIBLE PARTY, SPECIFIC STRUCTURES INSPECTED, SPECIFIC MAINTENANCE REQUIRED AND OBSERVATIONS AT A MINIMUM, INSPECTION REPORTS SHOULD ADDRESS THE FOLLOWING CONDITIONS WHERE APPLICABLE:

Table with 2 columns: BMP STRUCTURE, INSPECTIONS PER YEAR. Rows include Deep Sump Catch Basins, Oil Water Separator Manholes, Leaching Pits, Infiltration Basin, Proprietary Water Quality Inlet.

- 5. ACCUMULATED SILT AND SEDIMENT SHOULD BE REMOVED AT LEAST ONCE A YEAR FOR DEEP SUMP CATCH BASINS OR MORE FREQUENTLY IF ACCUMULATED DEPTH OF SEDIMENT EXCEEDS SIX INCHES.
6. ALL REMOVED SEDIMENTS ARE TO BE PROPERLY DISPOSED OF AT A LOCATION TO BE APPROVED BY THE BOARD OF HEALTH, TRANSPORTATION AND DISPOSAL OF SEDIMENTS SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
...
14. THE STORM WATER BMP'S WILL BE INSPECTED ANNUALLY DURING REGULARLY SCHEDULED MID-SUMMER LANDSCAPING AND WEEDING OPERATIONS FOR INVASIVE OR UNWANTED PLANTS. IF INVASIVE SPECIES ARE FOUND, THEY WILL BE PHYSICALLY UPROOTED AND REMOVED FROM THE AREA.

INVASIVE SPECIES CONTROL PLAN (ISCP)

THE OWNER WILL MONITOR THE EXTENDED DETENTION/INFILTRATION BASINS AND SEDIMENT FOREBAYS PURSUANT TO THE RECOMMENDATIONS OUTLINED IN THE USACE DOCUMENT TITLED 'NEW ENGLAND DISTRICT COMPENSATORY MITIGATION GUIDANCE DOCUMENT, PAGES 24-28 SECTION 4.F, INVASIVE SPECIES. DUE TO THE PROXIMITY OF THE EXTENDED DETENTION/INFILTRATION SYSTEM TO THE EXISTING BORDERING VEGETATED WETLAND, THE APPLICANT HAS CHOSEN A MECHANICAL CONTROL METHOD OF REMOVAL. INVASIVE SPECIES WILL BE REMOVED BY HAND (PULLING, MOWING OR EXCAVATING ON-SITE). NO CHEMICAL CONTROL WILL BE UTILIZED.

EROSION & SEDIMENTATION CONTROL PROGRAM

- 1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL APPROVING AUTHORITY AND AS DIRECTED BY THE PROJECT ENGINEER.
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A WETLAND RESOURCE AREA, THE DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY FORECASTED STORM EVENT.
...
14. UNLESS OTHERWISE SHOWN ON THESE PLANS, THERE SHALL BE NO CLEARING OF VEGETATION BEYOND THE SPECIFIED LIMIT OF WORK LINES.

LOAM AND SEED AREAS - MASSDOT SPEC M6.03.0

Table with 3 columns: TYPE, % BY WEIGHT. Rows include Red Fescue, Kentucky 31, Domestic Ryegrass, Red Top Ladino, Clover, Application Rate.

- 14. HAY OR STRAW MULCH SHALL BE LOOSELY SPREAD TO A UNIFORM DEPTH AT THE RATE OF 4.5 TONS PER ACRE EXCEPT OVER CERTAIN SELECTED SEED AREAS WHERE 2 TONS PER ACRE SHALL BE USED AS DIRECTED BY THE ENGINEER AND/OR THE LOCAL APPROVING AUTHORITY. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE FOLLOWED BY A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WHICH WILL BE USED ON HAY MULCH FOR WIND CONTROL.
...
14. THE CONTRACTOR SHALL CONTACT THE TOWN OF WAREHAM WATER DEPARTMENT 24 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING.

TOWN OF WAREHAM WATER/FIRE DISTRICT GENERAL SPECIFICATIONS

- 1. WATER MAIN PIPING SHALL BE PVC PRESSURE PIPE C-900 INTEGRAL BELL GASKET JOINT CONFORMING TO ANSI/AWWA SPECIFICATIONS LATEST EDITION AND THE TOWN OF WAREHAM WATER DEPARTMENT SPECIFICATIONS.
2. FITTINGS SHALL BE DOUBLE GEMENT LINED, BITUMEN COATED COMPACT MECHANICAL JOINT DUCTILE IRON CONFORMING TO ANSI A21.53/AWWA C153.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

MULCH AND MULCH ANCHORING

Table with 3 columns: MULCH LOCATION, MULCH, RATE (1,000 SF.). Rows include Mild Slopes Less Than 3:1, High Wind Velocity Areas, Moderate to High Velocity Areas, Steep Slopes Greater Than 3:1.

EROSION CONTROL NOTES DURING CONSTRUCTION

- 1. CONSTRUCTION ACTIVITY EXECUTED DURING THE WINTER CONSTRUCTION PERIOD BETWEEN NOVEMBER 1 THROUGH APRIL 1ST SHALL BE SUBJECT TO THE FOLLOWING ADDITIONAL REQUIREMENTS.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

TRAFFIC MANAGEMENT NOTES

- 1. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS OF ANY ROAD OPENING PERMIT TO ACCESS A PUBLIC WAY PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
2. AS A SPECIAL CONDITION TO ANY ROAD OPENING PERMIT THE CONTRACTOR SHALL:
(A) FURNISH ADEQUATE NOTICE TO LOCAL DPW, POLICE AND FIRE DEPARTMENTS, PUBLIC TRANSPORTATION AUTHORITIES, AND SCHOOL DEPARTMENTS/DISTRICTS OF ANY PROPOSED TRAFFIC MANAGEMENT PLAN INCLUDING, BUT NOT LIMITED TO, DETOURS, LANE CLOSURES, AND ALTERNATE ROUTES.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

WATER MAIN CONSTRUCTION NOTES

- 1. THE EXACT LOCATION OF ALL PROPOSED PIPES, VALVES, FITTINGS, HYDRANTS, SERVICES, ETC. IS TO BE DETERMINED BY THE WAREHAM WATER DEPT. IN THE FIELD.
2. THE CONTRACTOR SHALL MAINTAIN A MINIMUM VERTICAL CLEARANCE BETWEEN THE NEW WATER MAIN AND OTHER EXISTING UTILITIES OF AT LEAST (12) TWELVE INCHES OR AS DETERMINED BY THE WAREHAM WATER DEPT. IN THE FIELD.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

TOWN OF WAREHAM WATER/FIRE DISTRICT GENERAL SPECIFICATIONS

- 1. WATER MAIN PIPING SHALL BE PVC PRESSURE PIPE C-900 INTEGRAL BELL GASKET JOINT CONFORMING TO ANSI/AWWA SPECIFICATIONS LATEST EDITION AND THE TOWN OF WAREHAM WATER DEPARTMENT SPECIFICATIONS.
2. FITTINGS SHALL BE DOUBLE GEMENT LINED, BITUMEN COATED COMPACT MECHANICAL JOINT DUCTILE IRON CONFORMING TO ANSI A21.53/AWWA C153.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

STORM DRAIN NOTES

- 1. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.
2. ROOF DRAIN PIPING WITHIN 10 FEET OF BUILDING FOUNDATIONS AND SLABS SHALL BE CAST IRON PIPE (C.I.P.), REFER TO PLUMBING DRAWINGS BY C.A. CROWLEY FOR MATERIAL SPECIFICATIONS. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE PLUMBING CONTRACTOR AND PROVIDE ALL NECESSARY COUPLINGS, ADAPTERS, ETC. TO CONNECT THE C.I.P. TO HOPE PIPE SECTIONS.
...
14. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPING SHALL BE ADS-N-12 SMOOTH WALL INTERIOR HOPE PIPE AS MANUFACTURED BY ADS, INC.

GENERAL ABBREVIATIONS

Table mapping abbreviations to full names. Includes items like ABAN (ABANDON), ACMP (ASPHALT COATED CORRUGATED METAL PIPE), ADJ (ADJUST), etc.

EXISTING LEGEND

Table mapping symbols to existing features. Includes Property Line, Topographic Contour, Concrete Bound/Drill Hole, Chain-Link Fence, Water Gate, etc.

PROPOSED LEGEND

Table mapping symbols to proposed features. Includes Proposed Index Contour, Proposed Intermediate Contour, Proposed Spot Grade, Proposed Property Line, Proposed Monument, etc.

DATE APPROVED:
DATE ENDORSED:

I HEREBY CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE THE NOTICE OF APPROVAL FROM THE PLANNING BOARD WAS RECEIVED AND RECORDED AND NO NOTICE OF APPEAL HAS BEEN FILED IN THIS OFFICE.

TOWN CLERK, WAREHAM, MA DATE

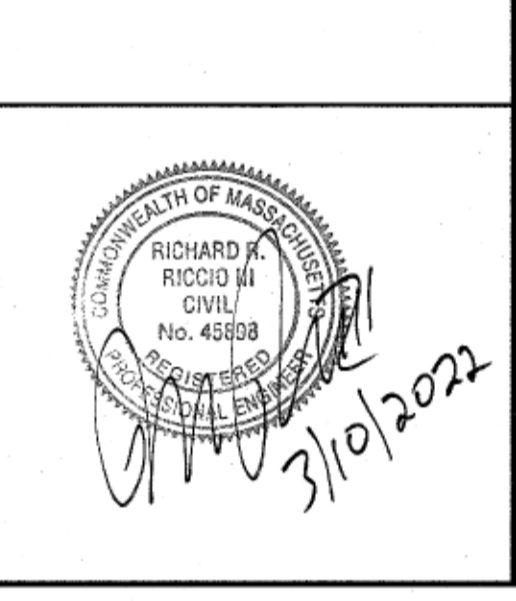
110 INDUSTRIAL DRIVE
P.O. BOX 1173
MATTAPANSETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions table with columns for No., Description, Date, and Appvd.

Date 10/7/2021
Scale NO SCALE

Drawn By RMS, Designed By KJM, Checked By RRR

ISSUED FOR PERMITTING

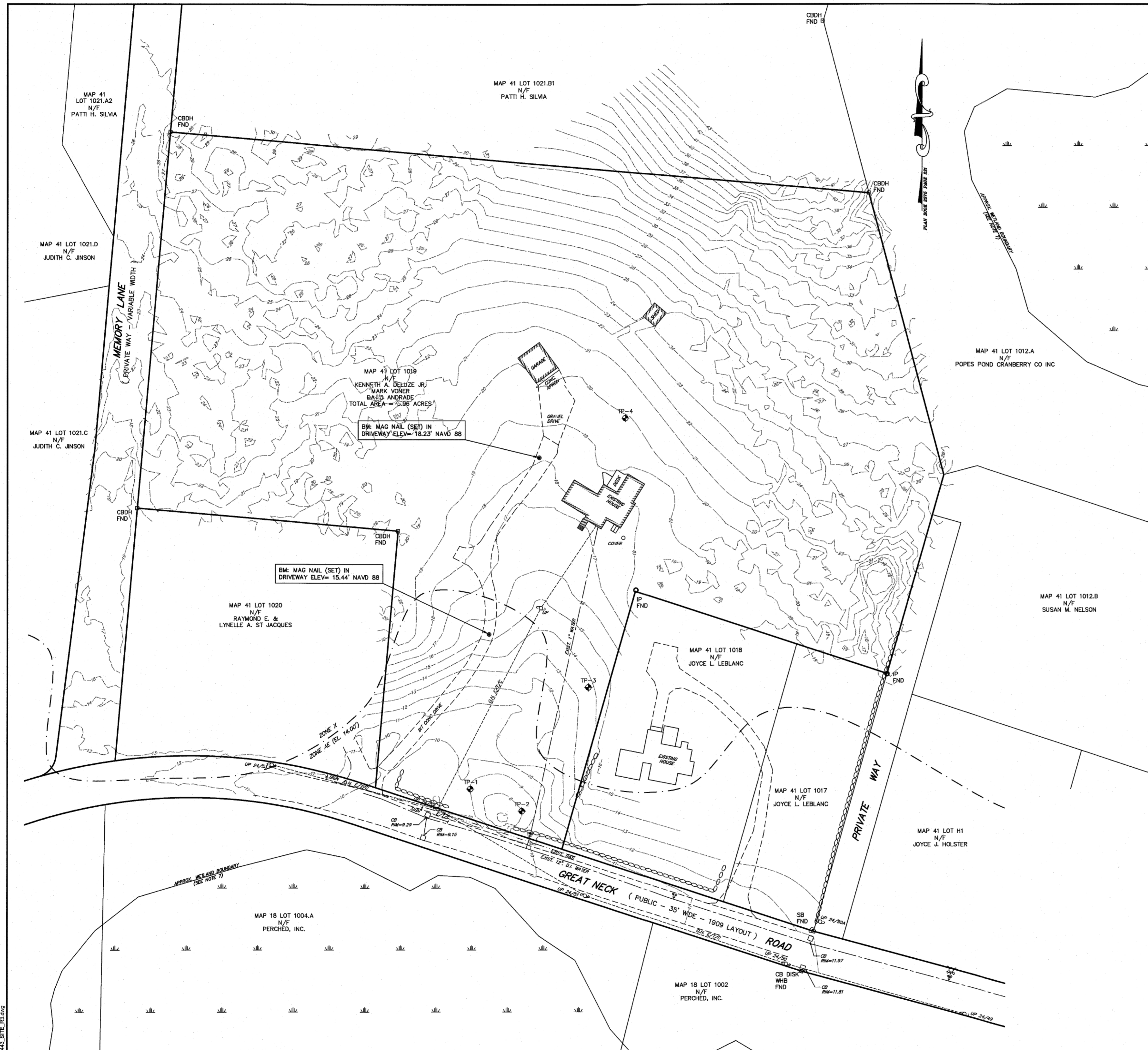


DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
68 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

NOTES & LEGEND

Project No. 2443, Sheet 2 OF 8

N-1



SOIL OBSERVATION LOGS		SOIL OBSERVATION LOGS	
9/28/2021		9/28/2021	
SOIL EVALUATOR: PETER THERRIEN (S.E. 14401)		SOIL EVALUATOR: PETER THERRIEN (S.E. 14401)	
TEST HOLE #1		TEST HOLE #2	
TOP ELEVATION 9.0		TOP ELEVATION 8.0	
0-22"	A SANDY LOAM 10 YR 3/2 ELEV. 7.2	0-24"	A SANDY LOAM 10 YR 3/2 ELEV. 6.0
22"-40"	B LOAMY FINE SAND 10 YR 3/6 ELEV. 5.7	24"-48"	B FINE - MEDIUM SANDY LOAM 10 YR 4/6 ELEV. 4.0
40"-108"	C LOAMY FINE SAND 2.5 Y 6/4 ELEV. 0.0	48"-96"	C LOAMY MEDIUM SAND 2.5 Y 6/4 ELEV. 0.0
OBSERVED DEPTH TO SEEPAGE - 72" OBSERVED DEPTH TO STANDING WATER - 84" ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER - 47"		OBSERVED DEPTH TO SEEPAGE - 77" OBSERVED DEPTH TO STANDING WATER - 77" ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER - 48"	

SOIL OBSERVATION LOGS		SOIL OBSERVATION LOGS	
9/28/2021		9/28/2021	
SOIL EVALUATOR: PETER THERRIEN (S.E. 14401)		SOIL EVALUATOR: PETER THERRIEN (S.E. 14401)	
TEST HOLE #3		TEST HOLE #4	
TOP ELEVATION 13.7		TOP ELEVATION 19.9	
0-18"	A SANDY LOAM 10 YR 3/2 ELEV. 12.2	0-18"	A SANDY LOAM 10 YR 3/2 ELEV. 18.4
18"-48"	B LOAMY FINE SAND 10 YR 4/6 ELEV. 9.7	18"-38"	B LOAMY FINE SAND 10 YR 4/6 ELEV. 16.7
48"-96"	C LOAMY FINE SAND 2.5 Y 6/4 ELEV. 5.7	38"-108"	C LOAMY FINE SAND 2.5 Y 6/4 ELEV. 10.9
OBSERVED DEPTH TO SEEPAGE - 72" OBSERVED DEPTH TO STANDING WATER - NONE ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER - 72"		OBSERVED DEPTH TO SEEPAGE - NONE OBSERVED DEPTH TO STANDING WATER - NONE ESTIMATED DEPTH TO SEASONAL HIGH GROUNDWATER - NONE	

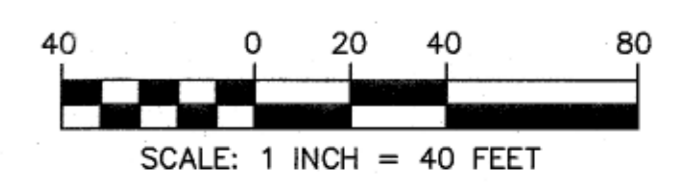
- GENERAL NOTES**
- TOPOGRAPHIC INFORMATION OBTAINED FROM AN ON-THE-GROUND SURVEY BY MADDOGAN LAND SURVEYING, LLC IN SEPTEMBER 2021 AND SUPPLEMENTED WITH LIDAR MAPPING DATA OBTAINED FROM THE NOAA OFFICE FOR COASTAL MANAGEMENT WEBSITE.
 - ELEVATIONS ARE REFERENCED TO NAVD 88.
 - A PORTION OF THE SUBJECT PARCEL IS LOCATED WITH A 100 YEAR FLOOD HAZARD ZONE AE (EL. 14.0) U.S.G.S. 1988 DATUM, AS DETERMINED BY FEMA FIRMETIC NO. 2502300493K DATED 7/6/2021 AND NO. 2502300581K DATED 2/4/2014.

WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION
CONTROL LAW IS REQUIRED

DATE APPROVED: _____
DATE ENDORSED: _____

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AND NO NOTICE OF APPEAL HAS BEEN FILED IN
THIS OFFICE.

TOWN CLERK, WAREHAM, MA DATE _____



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS
110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 758-2749
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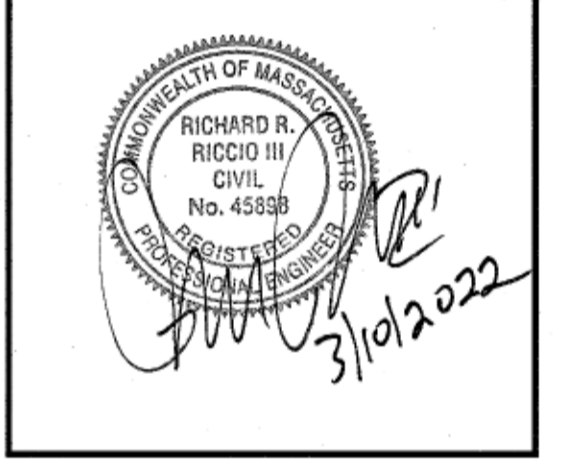
Revisions			
No.	Description	Date	Appr.
2	EXIST. S.D. PLOT	3/9/2022	KJM
1	REVISE PER PEER REVIEW COMMENTS	2/2/2022	KJM

Date: 10/7/2021

Scale: 1"=40'

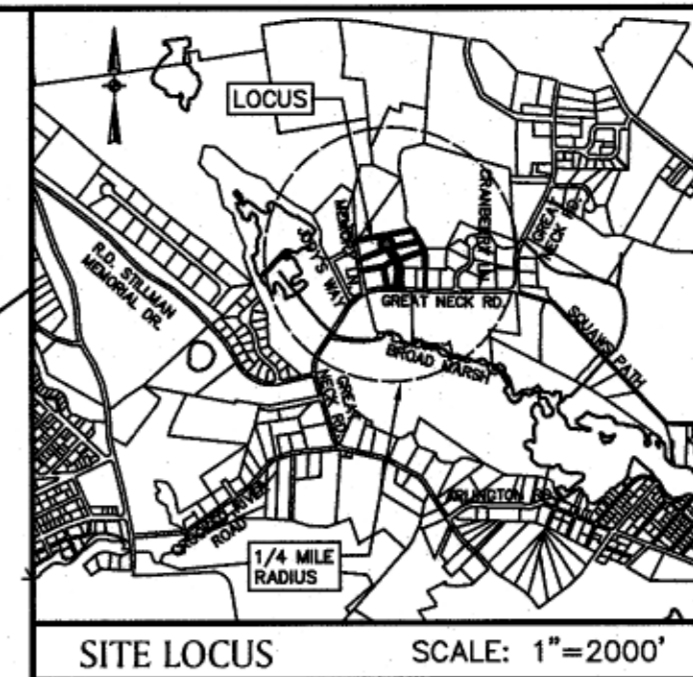
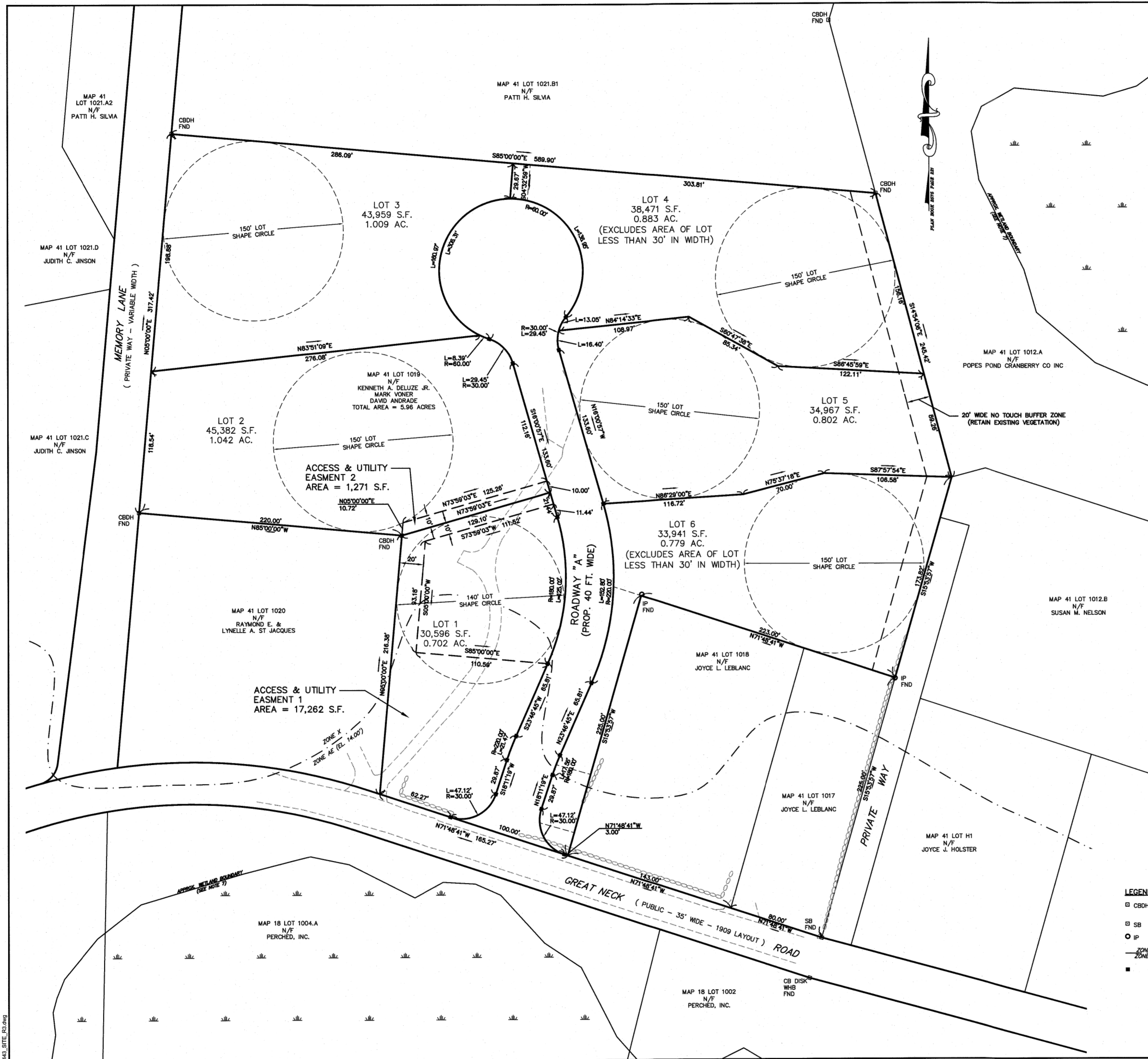
Drawn By	Designed By	Checked By
RMS	KJM	RRR

Issued For: **PERMITTING**



DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

Drawing Title: EXISTING CONDITIONS	
Project No. 2443	Sheet 3 OF 8
Sheet No. EC-1	



GENERAL NOTES

- THE LOCUS AREA IS SHOWN ON THE TOWN OF WAREHAM ASSESSORS MAP AS PARCEL 1019 MAP 41. LOCUS DEED IS RECORDED IN THE PLYMOUTH COUNTY REGISTRY OF DEEDS IN BOOK 55547 PAGE 162.
- LOTS 1 AND 2 ARE SUBJECT TO UTILITY/ACCESS EASEMENTS TO BE CONVEYED TO THE TOWN OF WAREHAM UPON TOWN MEETING ACCEPTANCE OF THE PROPOSED ROADWAY AND STORMWATER INFRASTRUCTURE.
- PROPERTY LINE INFORMATION HAS BEEN COMPILED FROM RECORD PLANS, DEEDS OF RECORD AND FROM AN ACTUAL ON THE GROUND SURVEY PERFORMED BY MADDIGAN LAND SURVEYING, LLC. IN SEPTEMBER 2021.
- THIS PLAN AND THE ACCOMPANYING CERTIFICATIONS DO NOT CONSTITUTE A CERTIFICATION OF THE TITLE TO THE PROPERTY SHOWN HEREON. THE OWNER OF THE LOCUS AND ABUTTING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.
- THE SUBJECT PARCEL IS LOCATED WITHIN A RESIDENCE 30 (R-30) ZONING DISTRICT AS DETERMINED BY THE OFFICIAL ZONING MAP OF THE TOWN OF WAREHAM, DATED 5/14/07.
- A PORTION OF THE SUBJECT PARCEL IS LOCATED WITH A 100 YEAR FLOOD HAZARD ZONE AE (EL. 14.0) U.S.G.S. 1988 DATUM, AS DETERMINED BY FEMA MAP NO. 25023C0493K DATED 7/6/2021 AND MAP NO. 25023C0581K DATED 2/4/2014.
- THE BOUNDARY OF THE WETLAND RESOURCE AREAS SHOWN ON ADJACENT LOT 1004.A N/F PERCHED, INC. AND LOT 1012.A N/F POPES POND CRANBERRY CO. INC. HAVE BEEN OBTAINED FROM A RECORD MASSOIS MAPPING AND SHALL BE CONSIDERED APPROXIMATE FOR BUFFER ZONE PURPOSES ONLY. THERE ARE NO WETLAND RESOURCE AREAS ON THE SUBJECT PARCEL.
- NO DWELLING WILL BE CONSTRUCTED ON ANY LOT WITHOUT FIRST SECURING FROM THE BOARD OF HEALTH THE DISPOSAL WORKS CONSTRUCTION PERMIT REQUIRED BY TITLE V OF THE STATE ENVIRONMENTAL CODE.
- LOTS 1-6 SHOWN HEREON WILL BE SERVICED BY TOWN WATER AND INDIVIDUAL ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEMS.
- BASED ON THE TOWN OF WAREHAM ARCGIS UTILITY MAPPING, THERE IS NO TOWN SEWER WITHIN 1,500 FEET OF THE SUBJECT PARCEL.

R-30 DISTRICT DIMENSIONAL REQUIREMENTS

LOT DIMENSION TABLE

MINIMUM AREA	30,000 SQUARE FEET
MINIMUM FRONTAGE	150 FEET
MINIMUM FRONT YARD SETBACK	20 FEET
MINIMUM SIDE YARD SETBACK	10 FEET
MINIMUM REAR YARD SETBACK	10 FEET
MAXIMUM LOT COVERAGE	25%

NAME AND ADDRESS OF OWNER/APPLICANT

DAVID ANDRADE
P.O. BOX 255
19 OLD ONSET ROAD
ONSET, MA 02558

PLAN REFERENCES:

- BOOK 2575 PAGE 221
- PLAN BOOK 42 PAGE 712
- PLAN BOOK 29 PAGE 144
- PLAN BOOK 48 PAGE 489
- PLAN BOOK 51 PAGE 76
- PLAN BOOK 49 PAGE 985
- PLAN BOOK 49 PAGE 986
- PLAN BOOK 65 PAGE 55
- COUNTY COMMISSIONERS
- PLAN BOOK 7 PAGE 533

PLANS SUBJECT TO COVENANTS, CONDITIONS AND RESTRICTION SET FORTH IN A COVENANTS(S) DATED TO BE RECORDED HERewith. DECLARATION OF RESERVED EASEMENTS TO BE RECORDED HERewith.

I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS.

PROFESSIONAL LAND SURVEYOR _____ DATE _____

WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION
CONTROL LAW IS REQUIRED

DATE APPROVED: _____

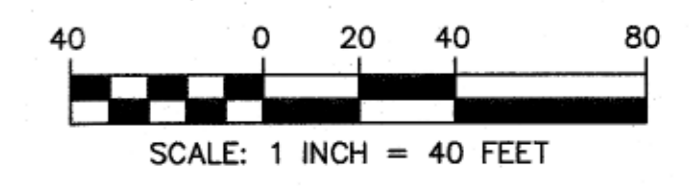
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TOWN CLERK, WAREHAM, MA _____ DATE _____

LEGEND

- CBDH CONCRETE BOUND WITH DRILL HOLE FOUND
- SB STONE BOUND FOUND
- IP IRON PIPE FOUND
- - - ZONE X
- - - ZONE AE
- CONCRETE BOUND TO BE SET



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS
110 INDUSTRIAL DRIVE
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Revisions			
No.	Description	Date	App'd.
2	ADD LOTS 4-6 20' BUFFER	3/9/2022	KJM
1	REVISE PER PEER REVIEW COMMENTS	1/2/2022	KJM

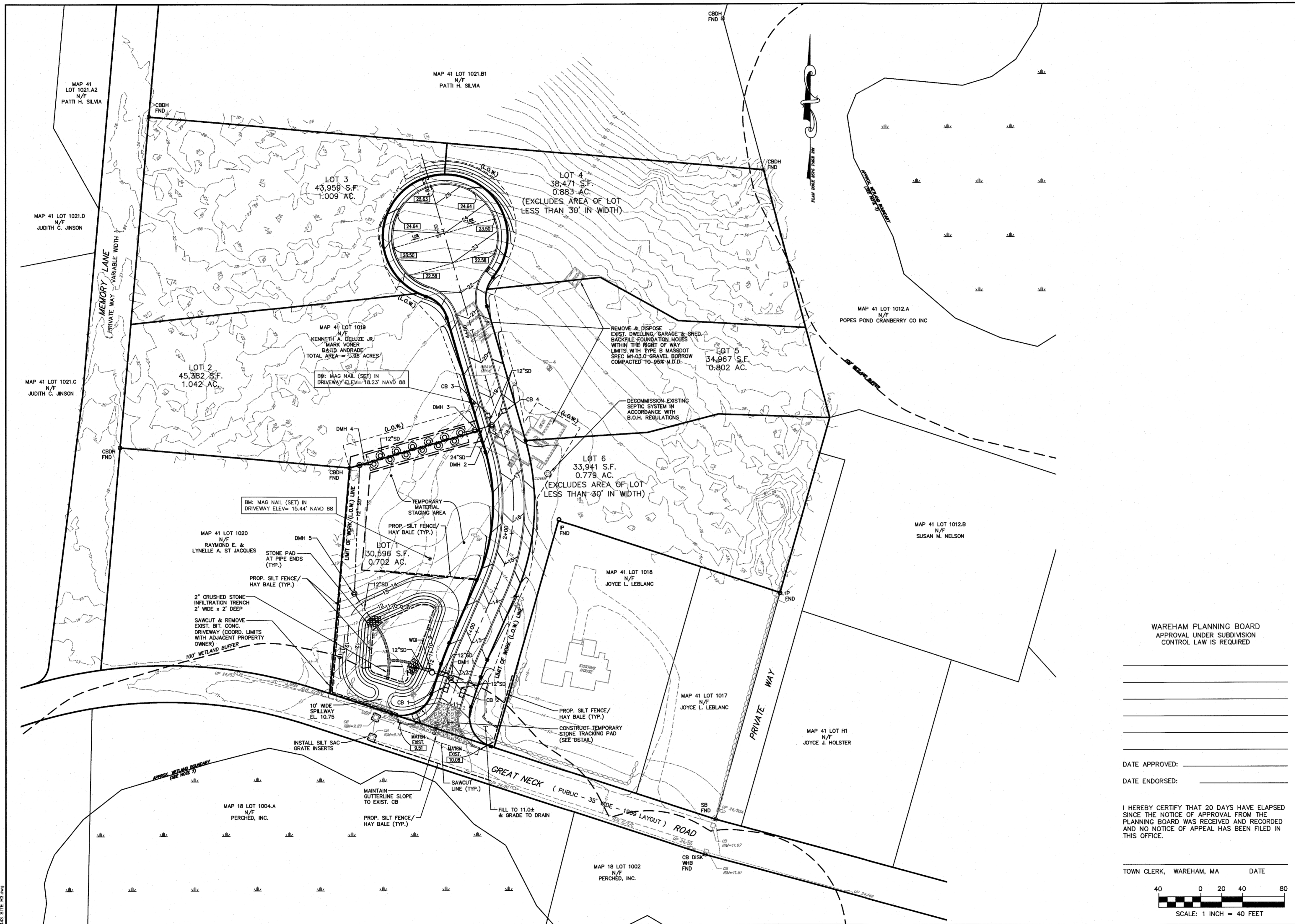
Date: 10/7/2021
Scale: 1"=40'
Drawn By: RMS
Designed By: KJM
Checked By: DJM

ISSUED FOR: **PERMITTING**

DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

Drawing Title: **LOTTING PLAN**

Project No. 2443 Sheet 4 OF 8
Sheet No. **L-1**



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CONSULTING ENGINEERS

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Revisions			
No.	Description	Date	App'd.
2	REVISE PER D.P.W. COMMENTS	3/9/2022	KJM
1	REVISE PER PEER REVIEW COMMENTS	2/7/2022	KJM

Date: 10/7/2021

Scale: 1"=40'

Drawn By: RMS Designed By: KJM Checked By: RRR

Issued For: **PERMITTING**

ISSUED FOR: **PERMITTING**

Richard R. Riccio III
3/10/2022

DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

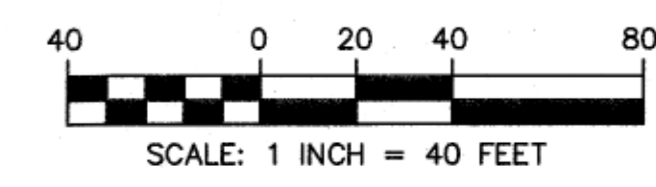
WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION
CONTROL LAW IS REQUIRED

DATE APPROVED: _____

DATE ENDORSED: _____

I HEREBY CERTIFY THAT 20 DAYS HAVE ELAPSED
SINCE THE NOTICE OF APPROVAL FROM THE
PLANNING BOARD WAS RECEIVED AND RECORDED
AND NO NOTICE OF APPEAL HAS BEEN FILED IN
THIS OFFICE.

TOWN CLERK, WAREHAM, MA DATE



Drawing Title: **GRADING AND DRAINAGE**

Project No. 2443 Sheet 5 OF 8

Sheet No. **GD-1**

2443 SITE PLAN

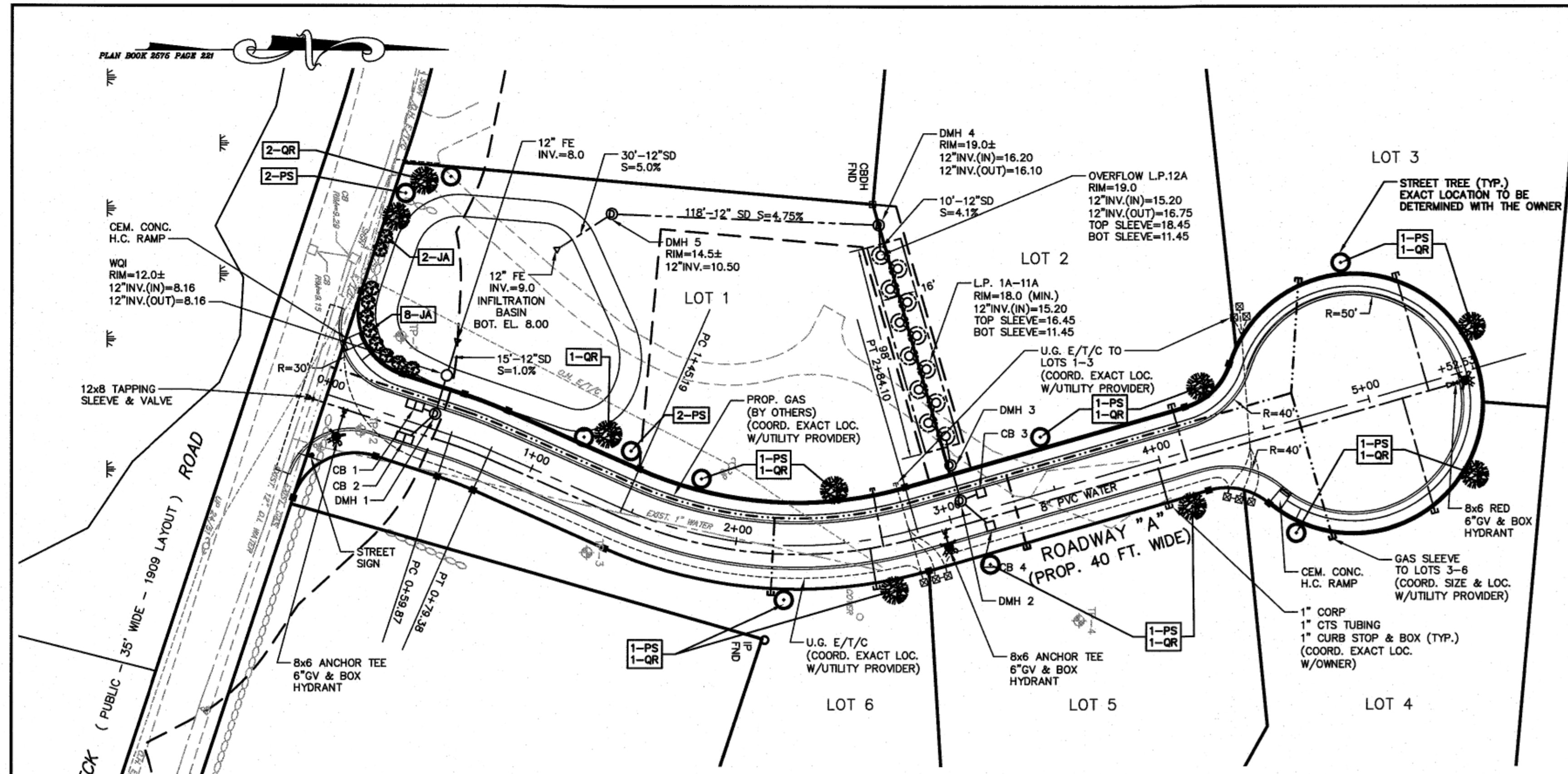
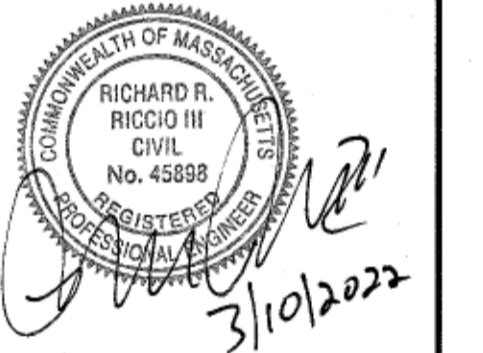
No.	Description	Date	Appr.
2	ADD TREE STREETS	3/8/2022	KJM
1	REVISE PER PEER REVIEW COMMENTS	1/2/2022	KJM

Date: 10/7/2021

Scale: 1"=40'

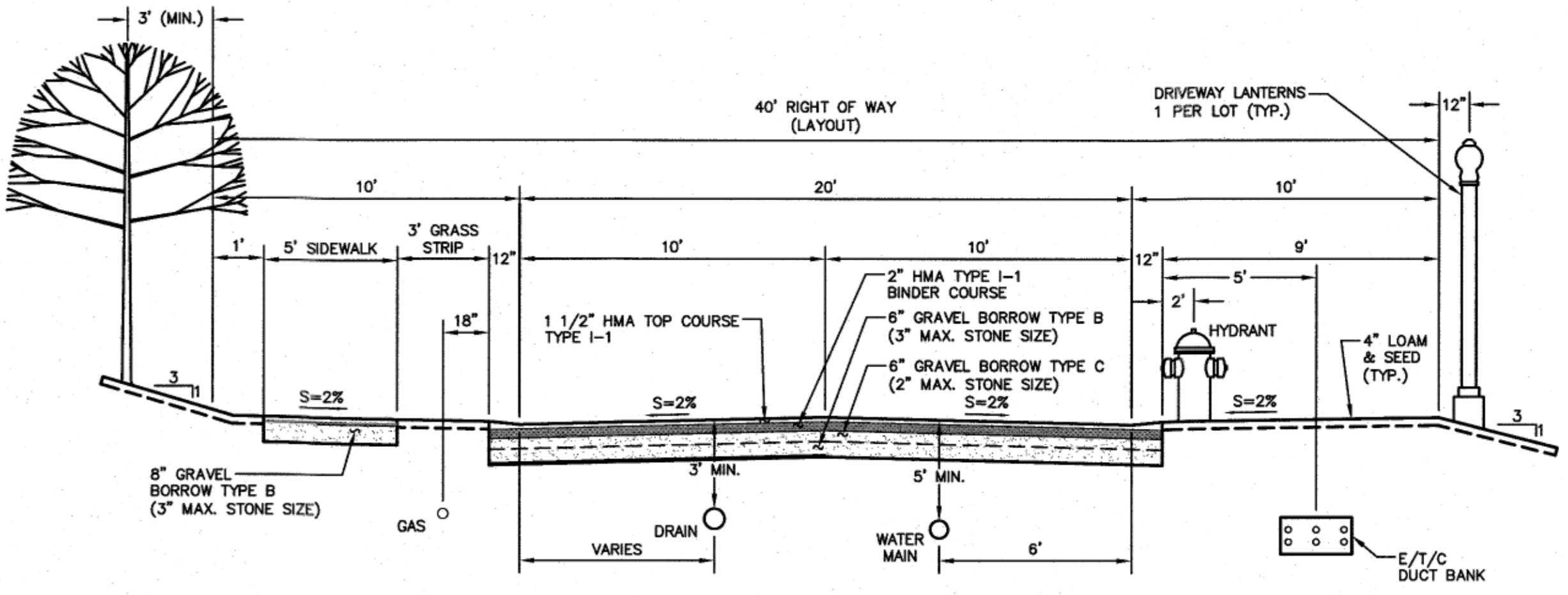
Drawn By: RMS
Designed By: KJM
Checked By: RRR

Issued For: **PERMITTING**



ROADWAY "A" PLAN VIEW
STATION 0+00 TO 5+52.53
SCALE: 1"=40'

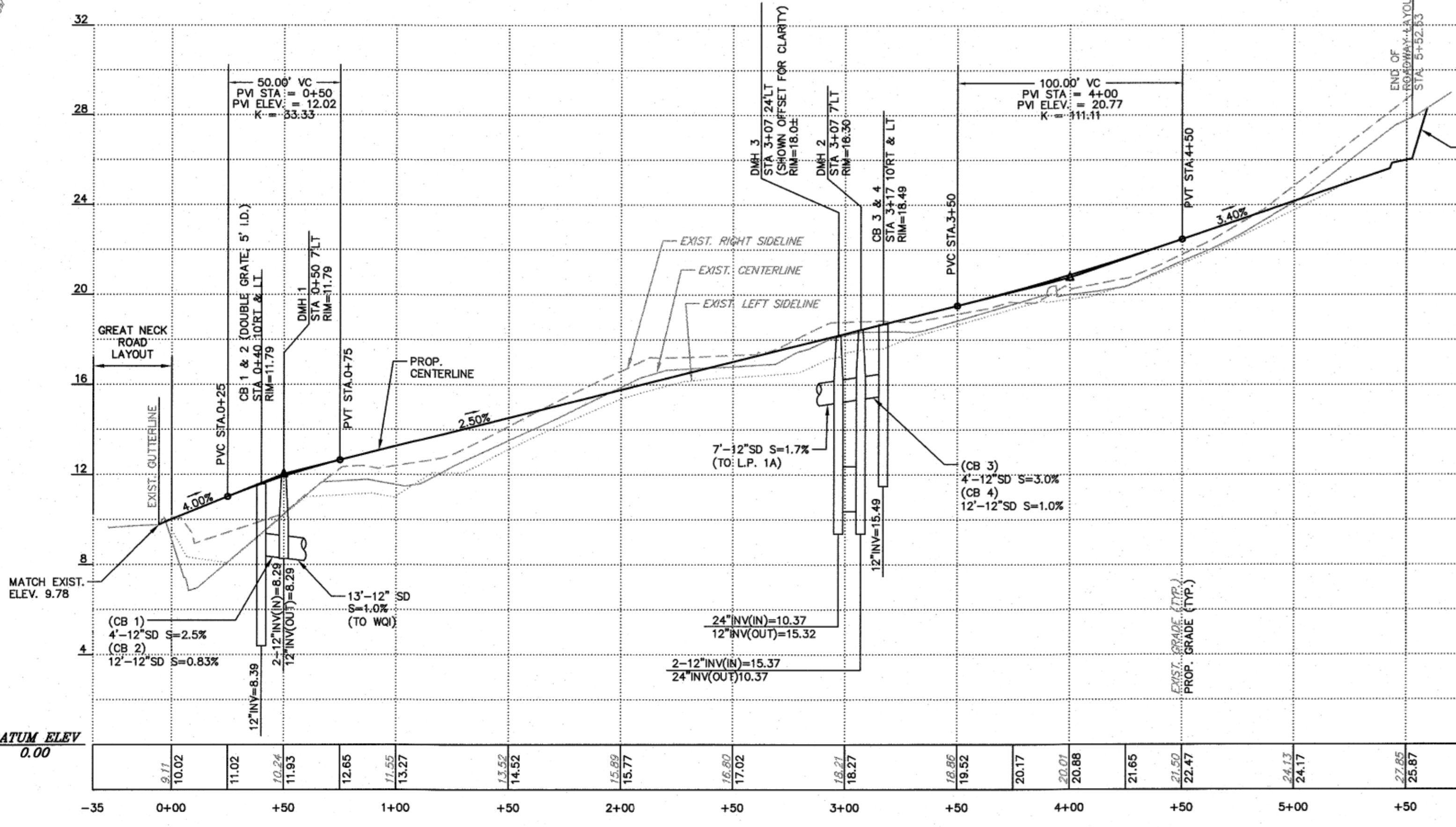
QTY.	KEY	COMMON NAME	BOTANICAL NAME	SIZE
10	PS	WHITE PINE	PINUS STROBUS	2.5"-3" CAL.
9	QR	RED OAK	QUERCUS RUBRA	2.5"-3" CAL.
10	JA	ANDORRA JUNIPER	JUNIPERUS HORIZONTALIS ANDORRA	#7



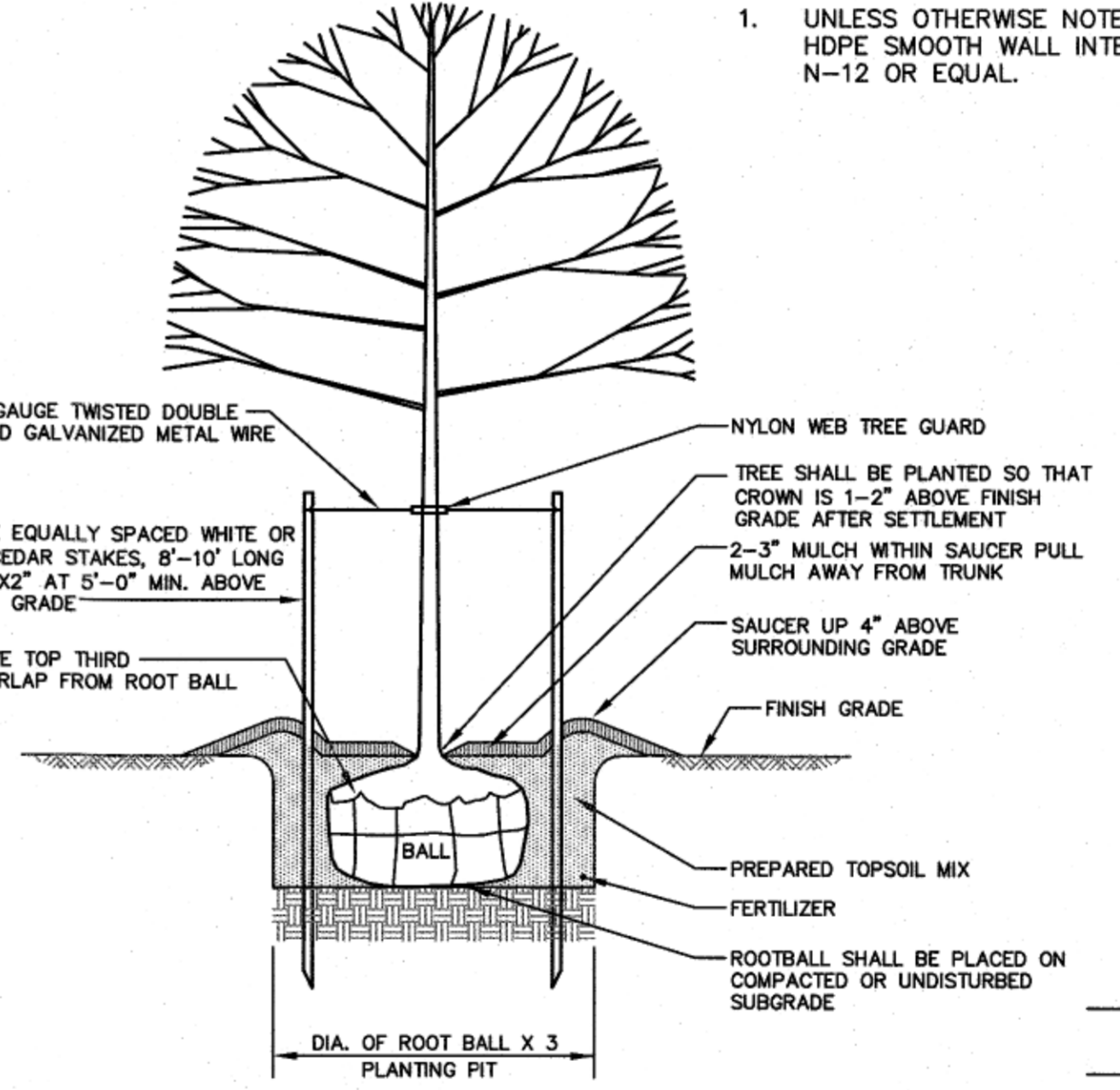
TYPICAL CROSS SECTION
SCALE: 1"=4'

STATION TO STATION	BEARING	DISTANCE	RADIUS	LENGTH
0+00.00 - 0+59.87	N 18°11'19" E	59.87'		
0+59.87 - 0+79.38			200.00'	19.51'
0+79.38 - 1+45.19	N 23°46'45" E	65.81'		
1+45.19 - 2+84.10			200.00'	138.91'
2+84.10 - 5+52.53	N 16°00'57" W	268.43'		

GENERAL NOTE:
1. UNLESS OTHERWISE NOTED ALL STORM DRAIN PIPING SHALL BE HDPE SMOOTH WALL INTERIOR AS MANUFACTURED BY ADS, INC. N-12 OR EQUAL.

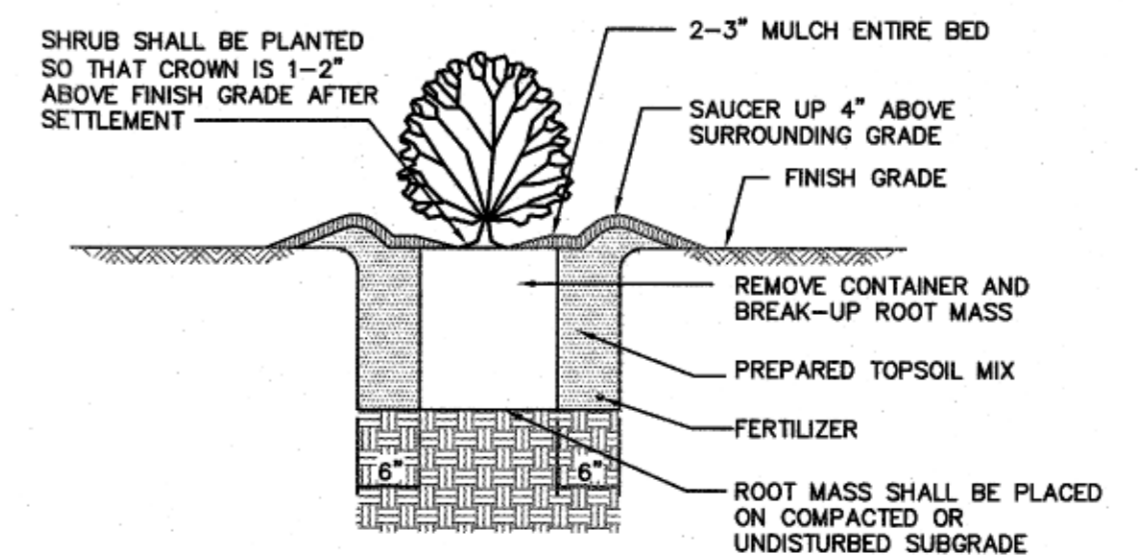


ROADWAY "A" PROFILE
STATION 0+00 TO 5+52.53
SCALE: 1"=40' HORIZONTAL
1"=4' VERTICAL



1.) PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
2.) ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

TREE PLANTING DETAIL
NOT TO SCALE



1.) PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
2.) ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.

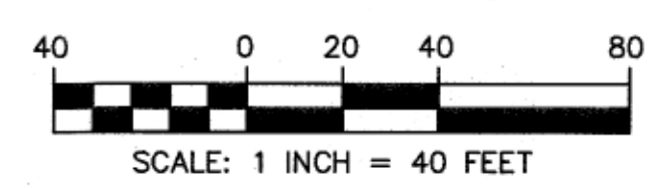
SHRUB PLANTING DETAIL
NOT TO SCALE

WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION CONTROL LAW IS REQUIRED

DATE APPROVED: _____
DATE ENDORSED: _____

I HEREBY CERTIFY THAT 20 DAYS HAVE ELAPSED SINCE THE NOTICE OF APPROVAL FROM THE PLANNING BOARD WAS RECEIVED AND RECORDED AND NO NOTICE OF APPEAL HAS BEEN FILED IN THIS OFFICE.

TOWN CLERK, WAREHAM, MA DATE



DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

Drawing Title: **PLAN AND PROFILE**

Project No. 2443 Sheet 6 OF 8

Sheet No. **P-1**

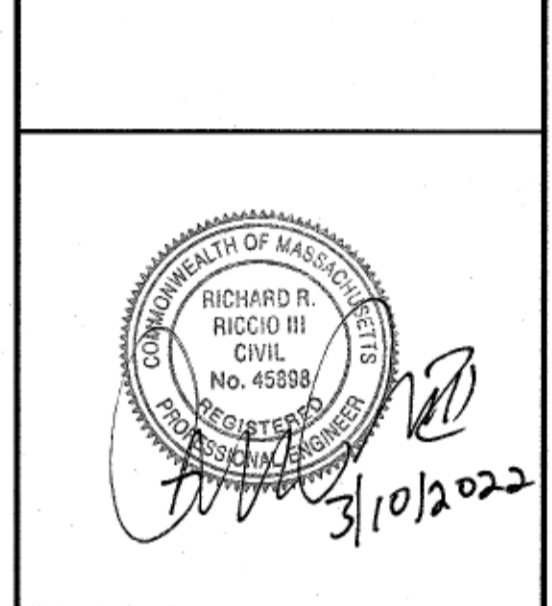
Revisions			
No.	Description	Date	Apprv.
2	NO CHANGES THIS SHEET	3/9/2022	KJM
1	REVISION PER PEER REVIEW COMMENTS	2/9/2022	KJM

Date: 10/7/2021

Scale: AS NOTED

Drawn By: RMS
Designed By: KJM
Checked By: RRR

Issued For: PERMITTING



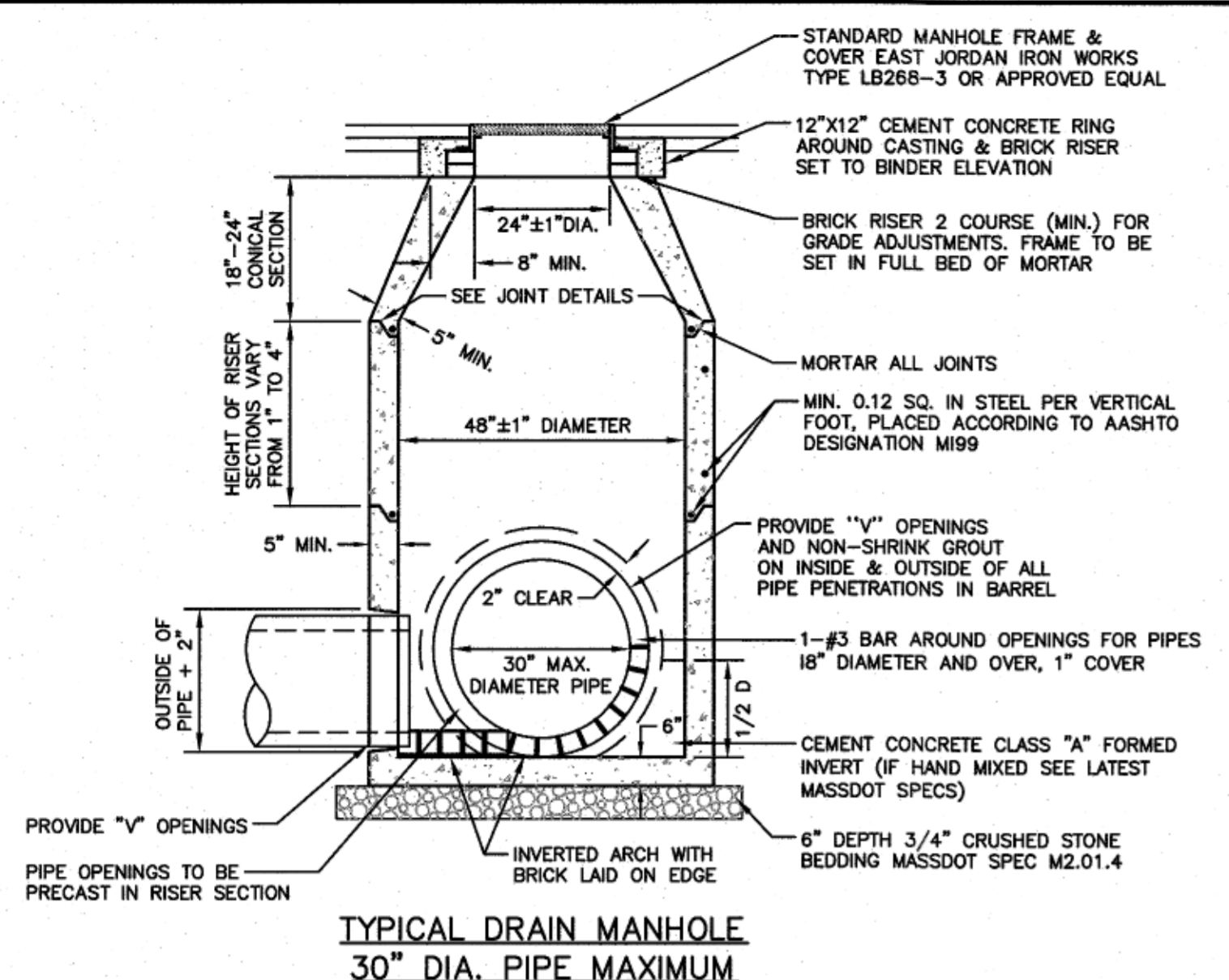
DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

DATE APPROVED: _____
DATE ENDORSED: _____

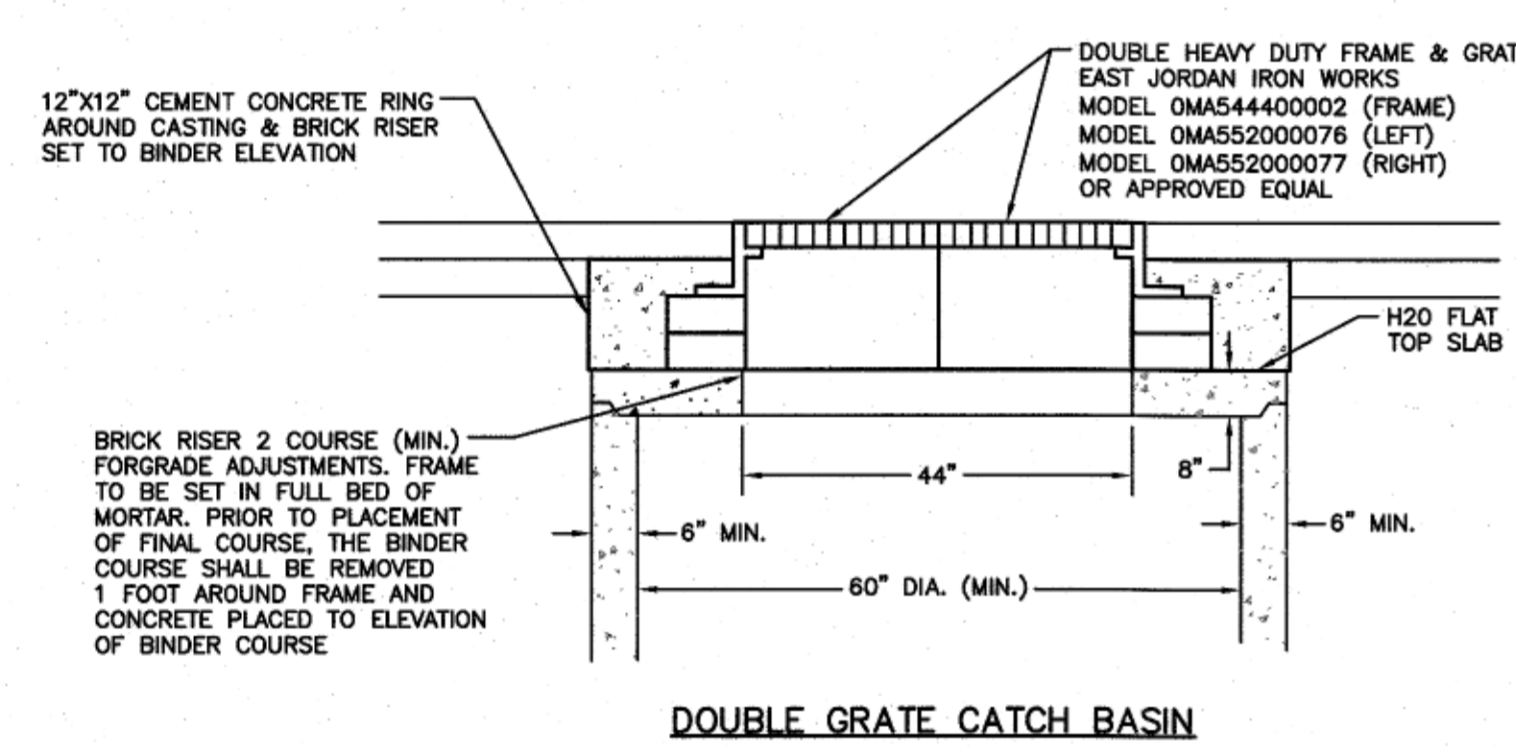
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TOWN CLERK, WAREHAM, MA DATE _____

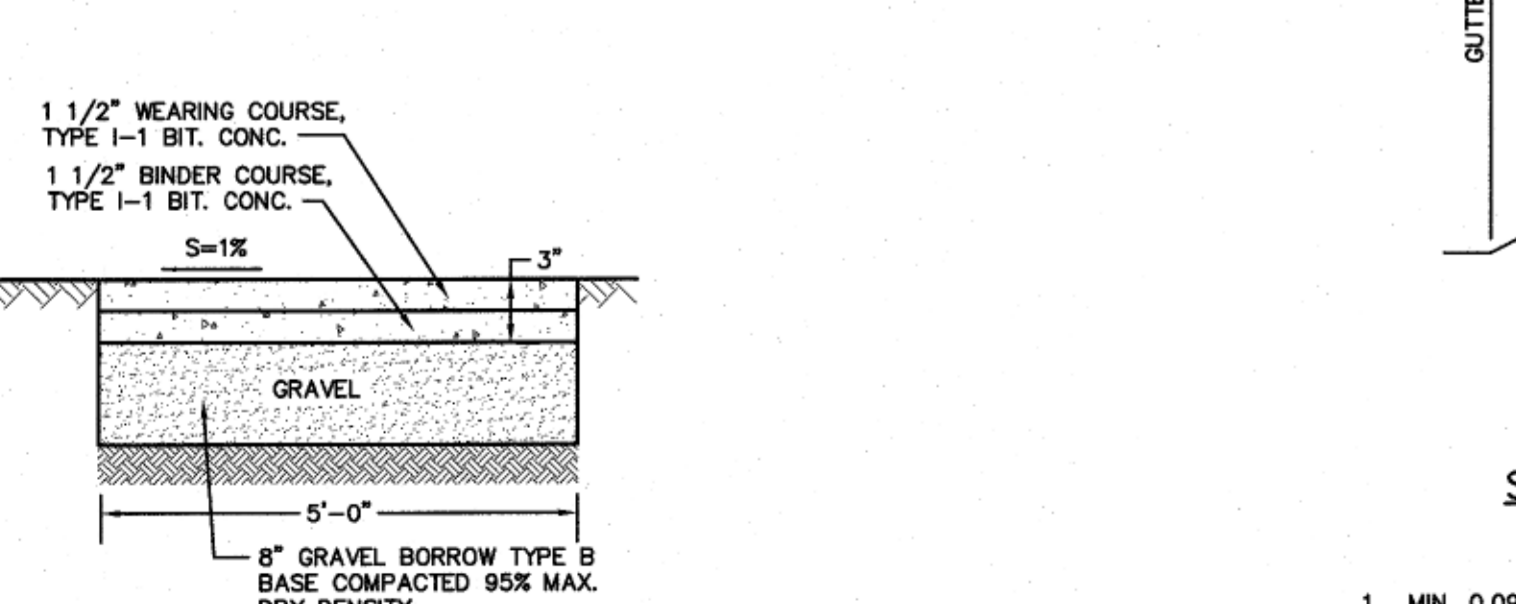
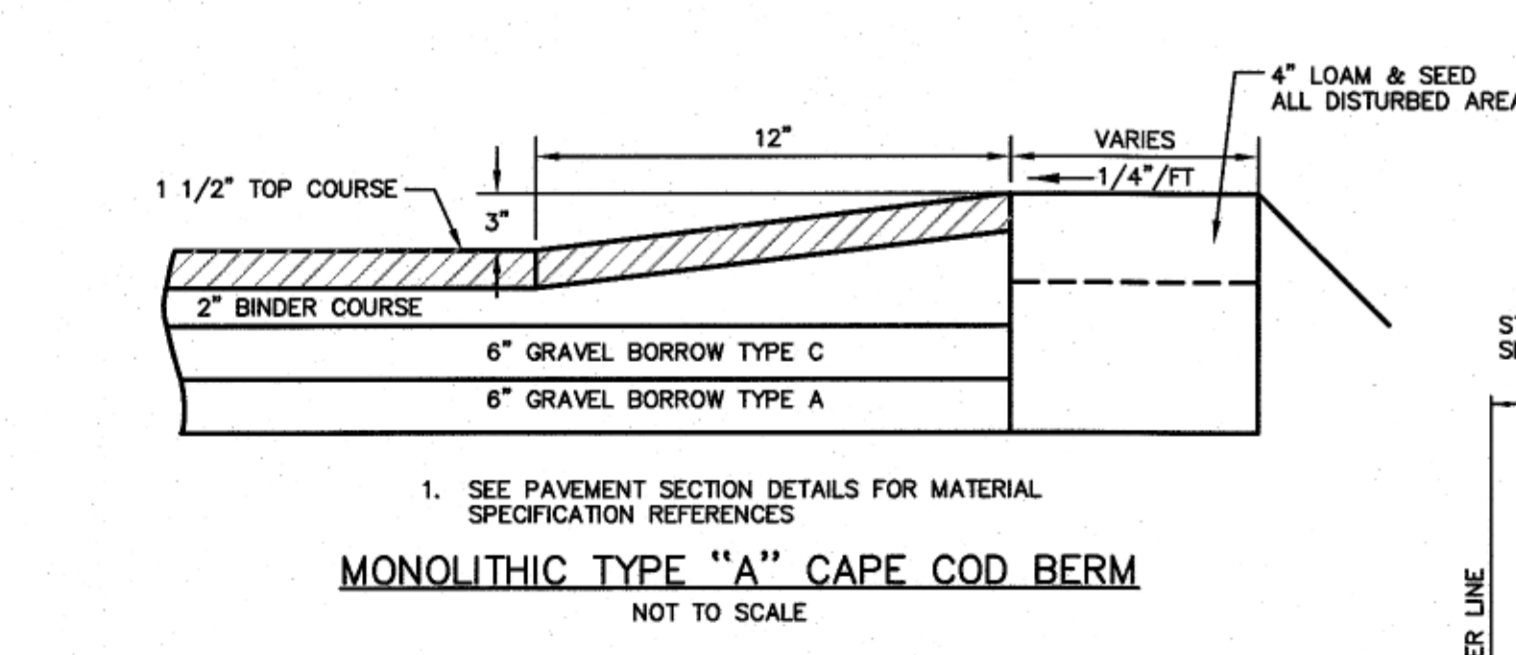
Drawing Title	
DETAIL SHEET	
Project No.	Sheet
2443	7 OF 8
D-1	



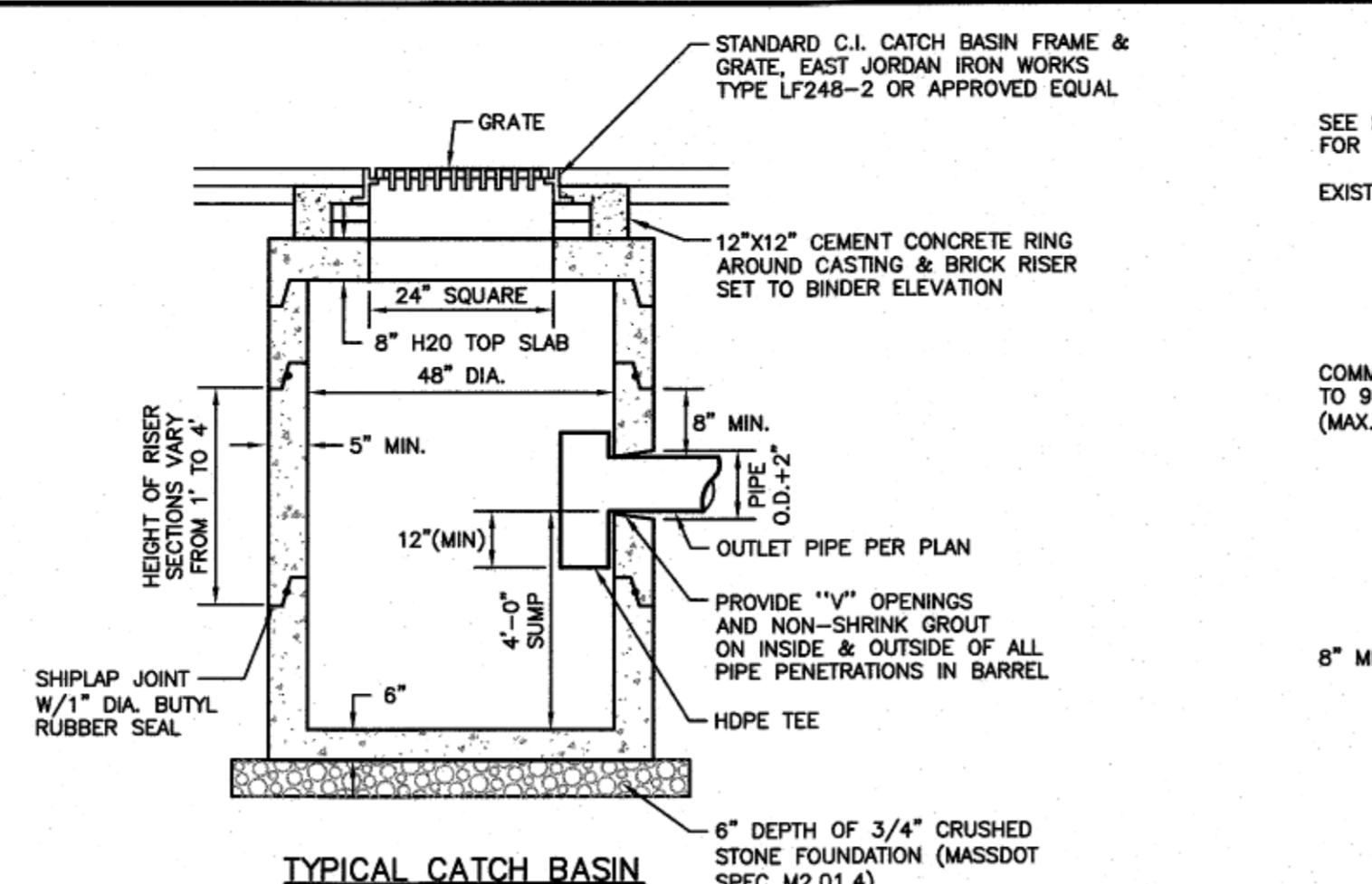
- NOTES:
- MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 - CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 - USE FLAT TOP SLAB WHERE FINISHED GRADE ELEVATIONS PROHIBIT THE USE OF A CONE SECTION.
 - FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 - WHERE DRAIN MANHOLES OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL DRAIN MANHOLE SPECIFICATIONS.



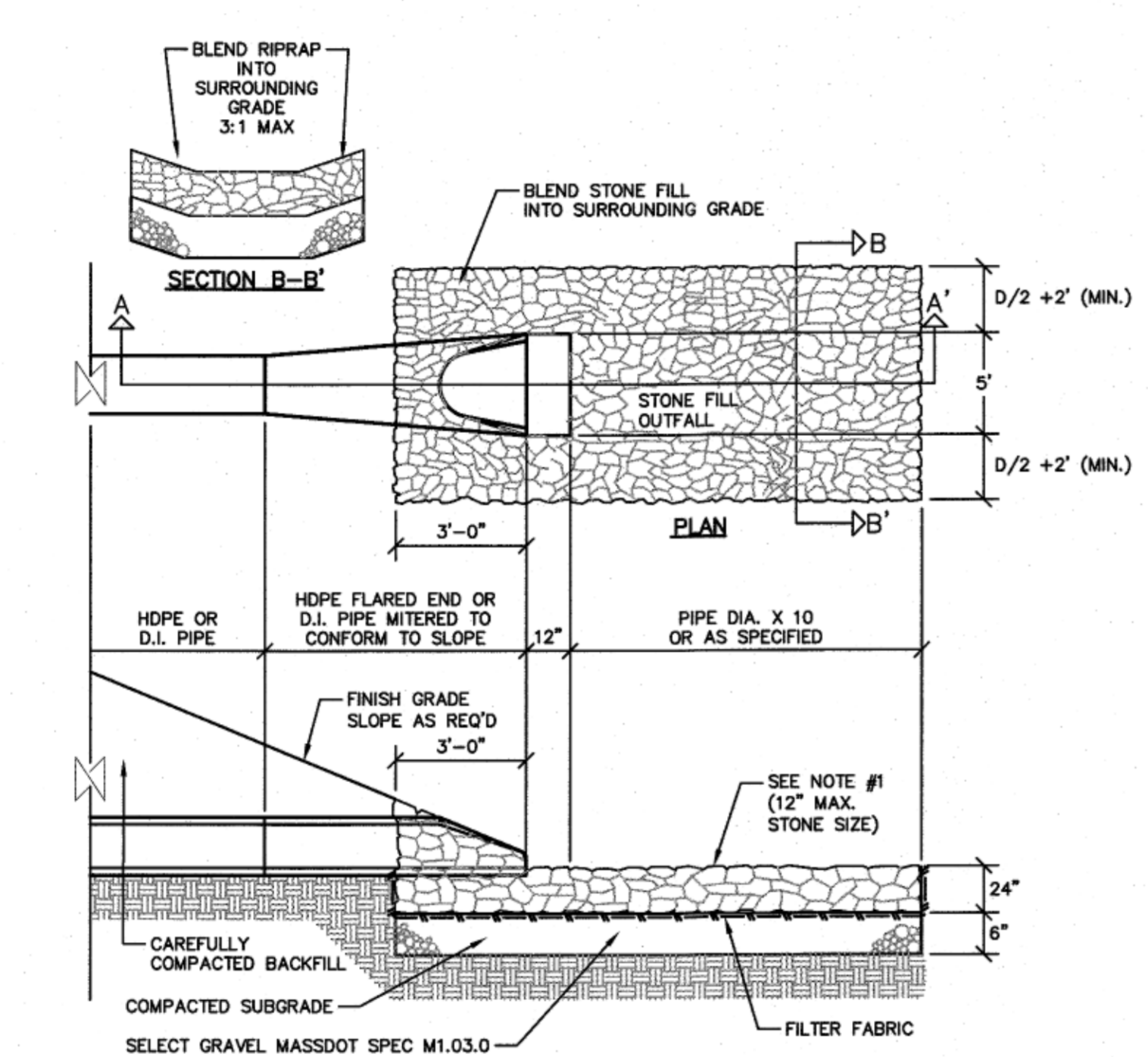
- NOTES:
- CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 - CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 - BASE SECTION TO BE MONOLITHIC.
 - REFER TO TYPICAL CATCH BASIN DETAIL ON THIS SHEET FOR ADDITIONAL INFORMATION.



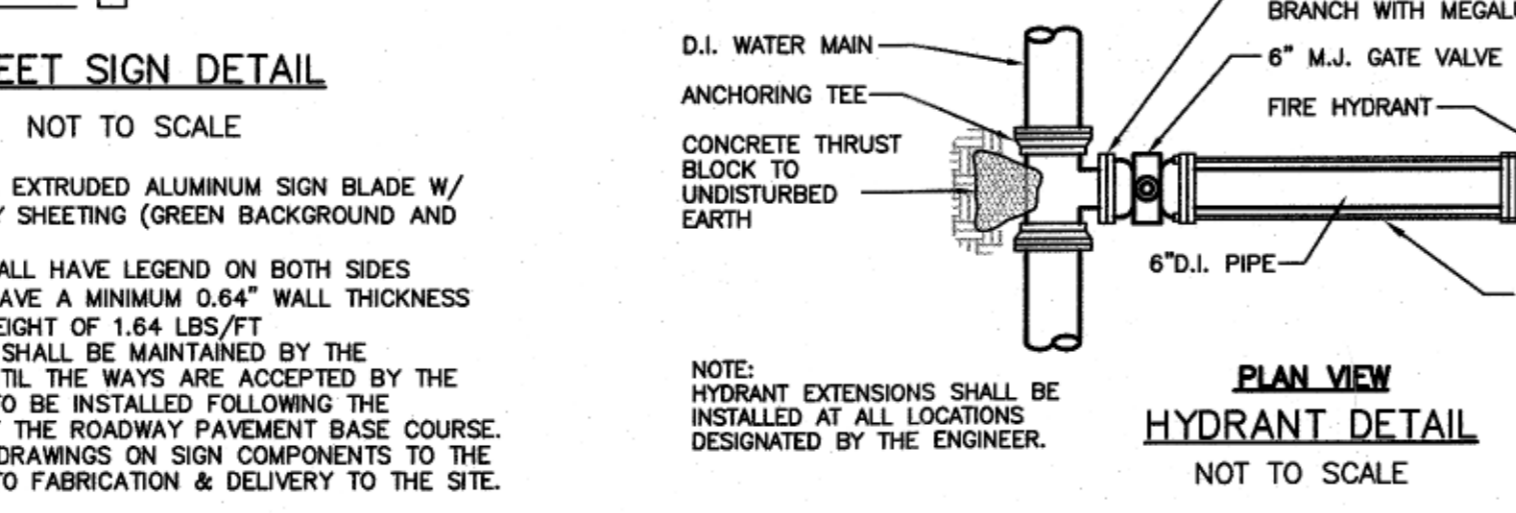
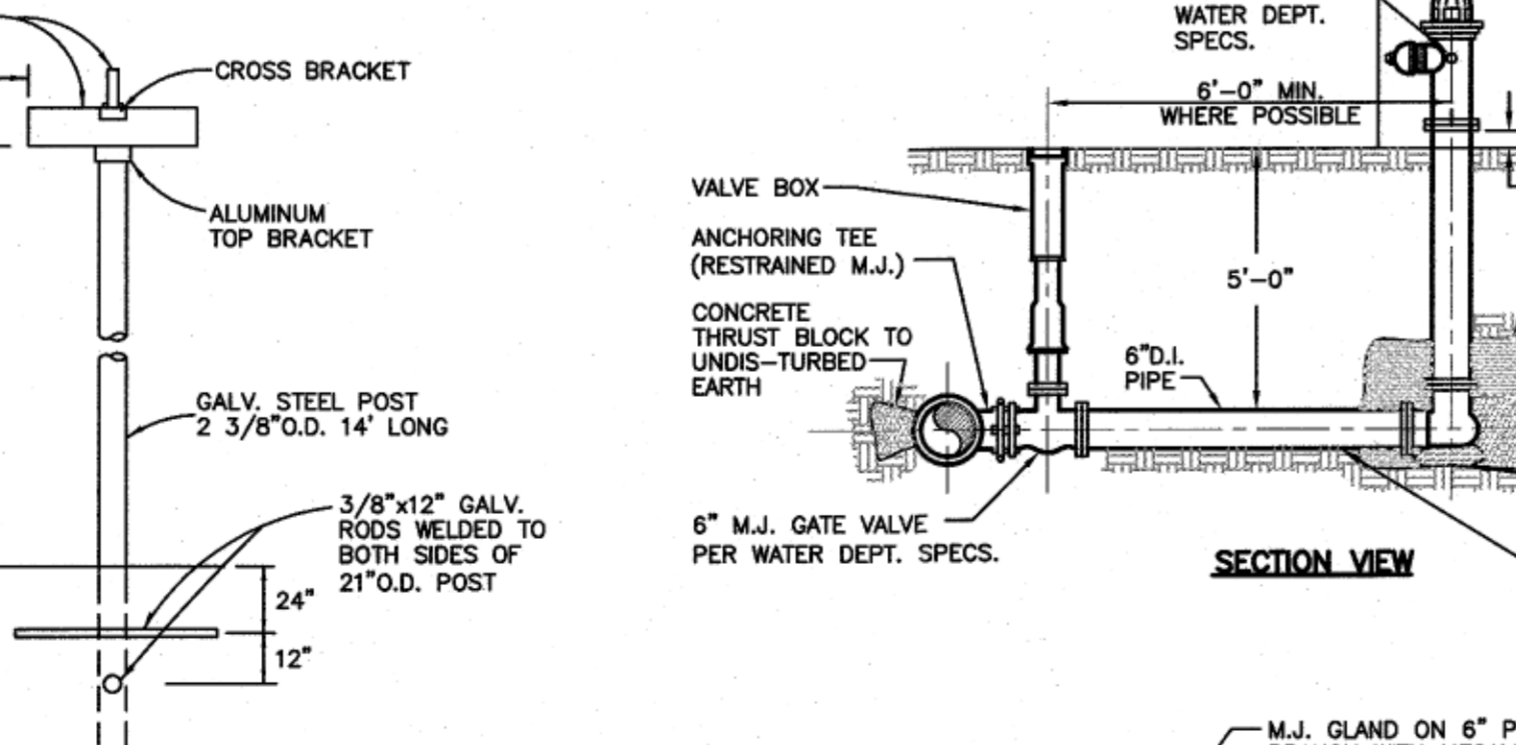
- NOTES:
- SEE TYP. CROSS SECTION NOTES FOR MATERIAL SPECIFICATION REFERENCES.



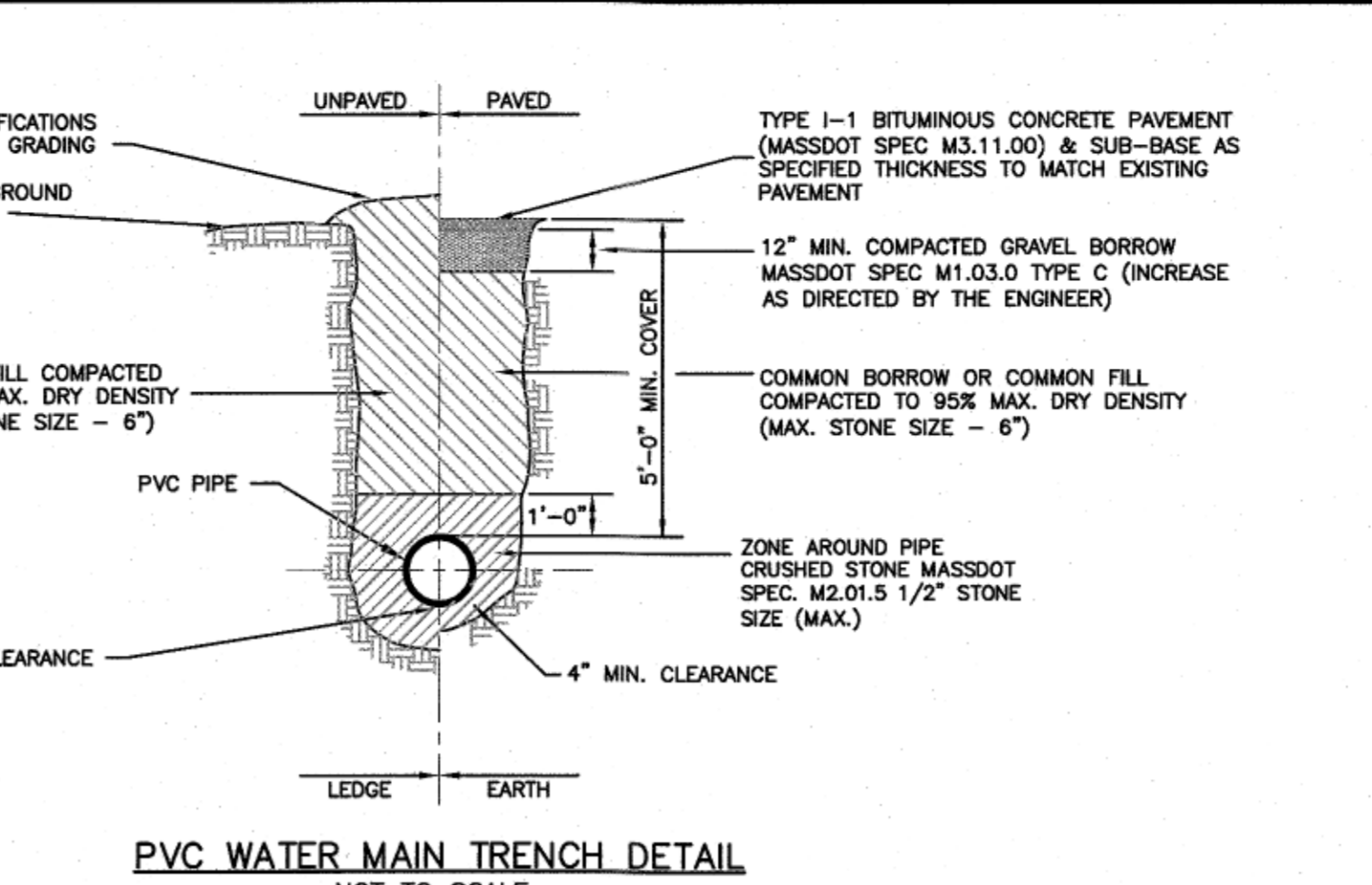
- NOTES:
- CATCH DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 - CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 - FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 - BASE SECTION TO BE MONOLITHIC.
 - WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.



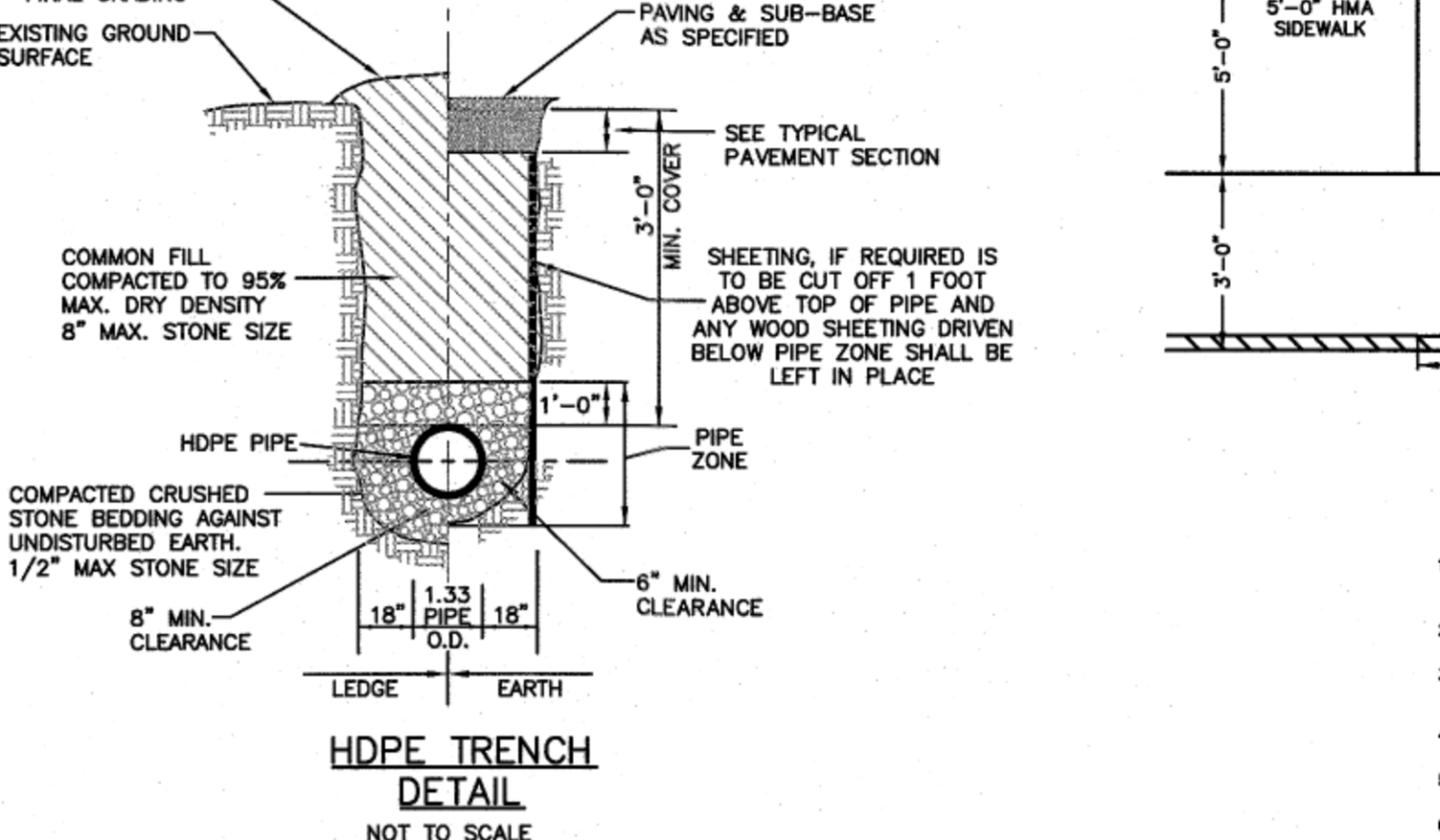
- NOTES:
- STONE FILL SHALL CONFORM TO MASSDOT SPECIFICATIONS M2.02.3 FOR PIPE ENDS. EACH STONE SHALL WEIGH NO LESS THAN 50 LBS. AND NO MORE THAN 120 LBS. AND 75% OF THE ? SHALL NOT BE LESS THAN 75 LBS.



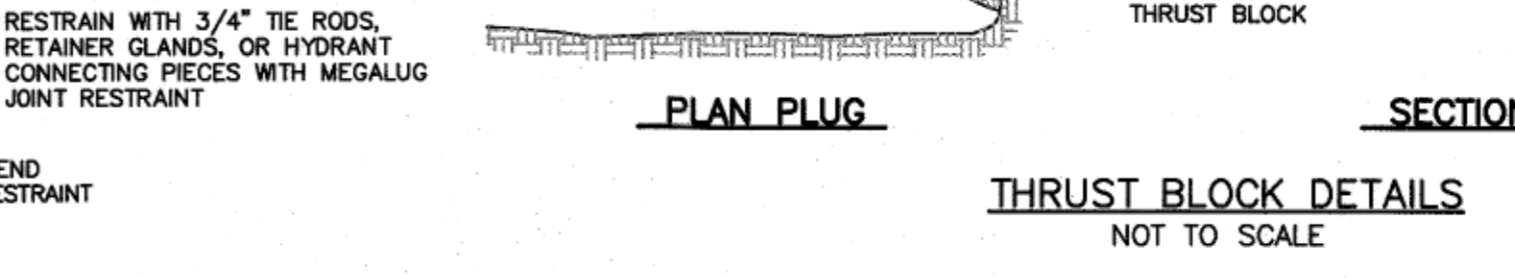
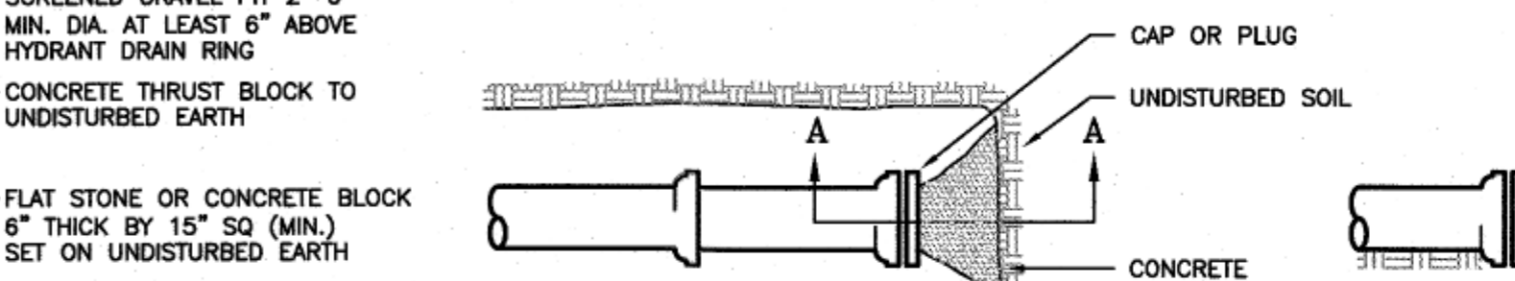
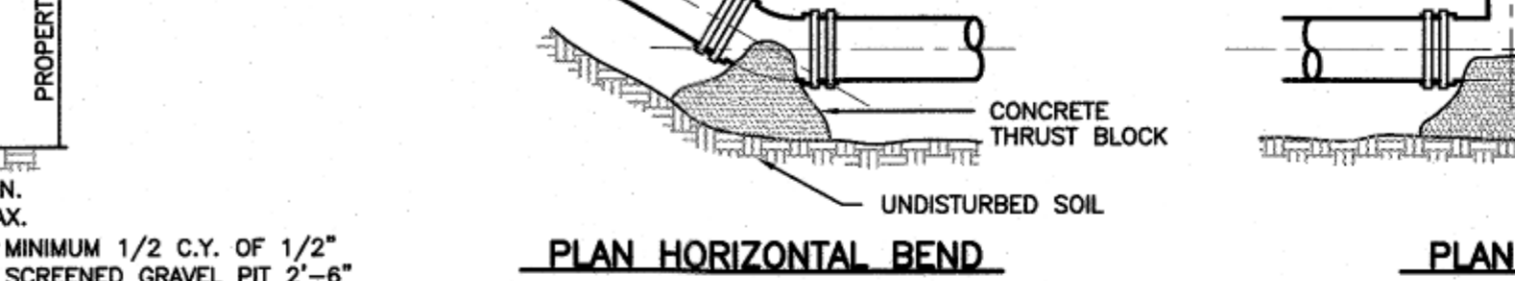
- NOTES:
- MIN. 0.091 GA. EXTRUDED ALUMINUM SIGN BLADE W/ HIGH INTENSITY SHEETING (GREEN BACKGROUND AND SILVER COPY).
 - EACH SIGN SHALL HAVE LEGEND ON BOTH SIDES.
 - POST SHALL HAVE A MINIMUM 0.64" WALL THICKNESS AND A MIN. WEIGHT OF 1.64 LBS/FT.
 - STREET SIGNS SHALL BE MAINTAINED BY THE DEVELOPER UNTIL THE WAYS ARE ACCEPTED BY THE TOWN. SIGNS TO BE INSTALLED FOLLOWING THE PLACEMENT OF THE ROADWAY PAVEMENT BASE COURSE.
 - SUBMIT SHOP DRAWINGS ON SIGN COMPONENTS TO THE D.P.W. PRIOR TO FABRICATION & DELIVERY TO THE SITE.



- NOTES:
- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0.
 - CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M2.01.5.

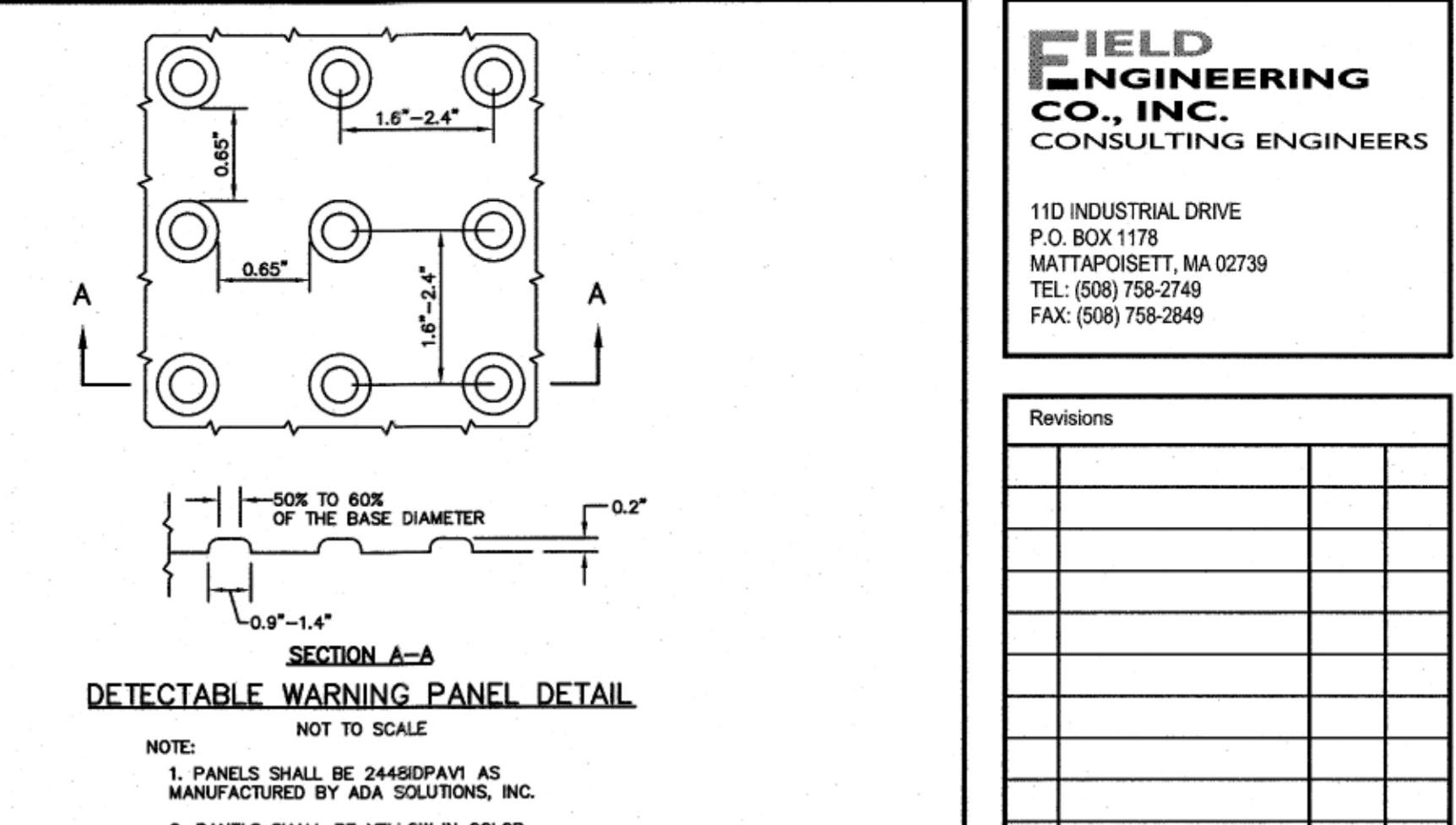


- NOTES:
- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0.
 - CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M2.01.5.

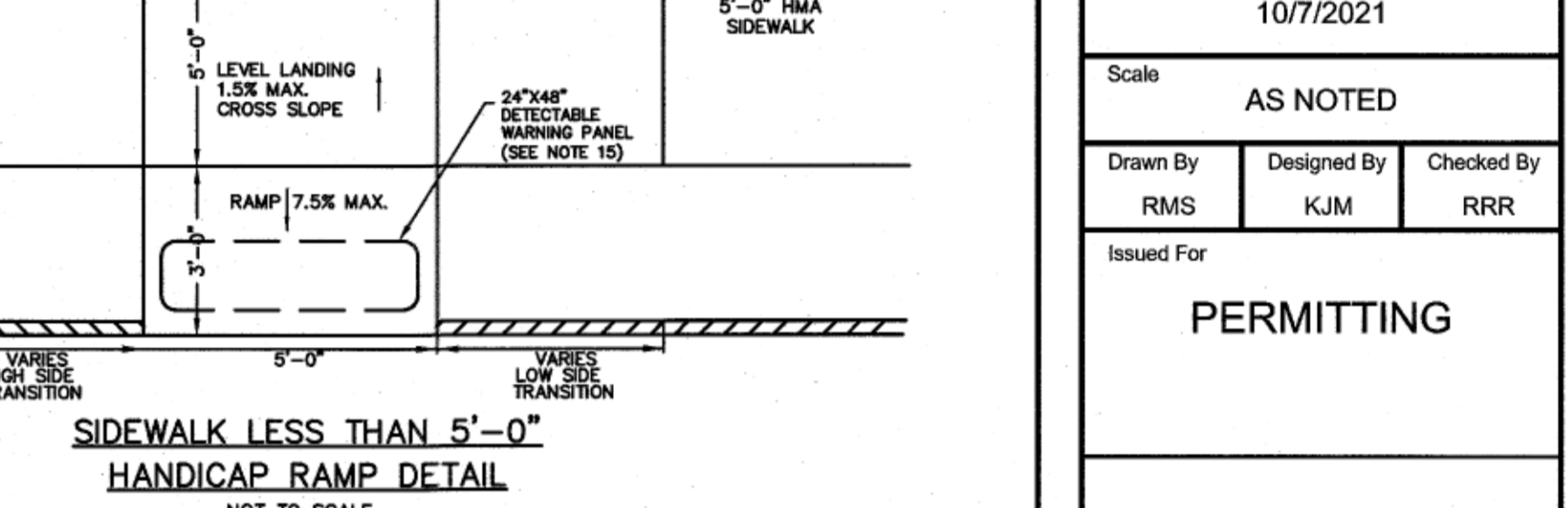


CONCRETE ANCHOR REQUIREMENTS	
BASED ON: TEST PRESSURE = 150 P.S.I. SOIL BEARING CAPACITY = 2000 P.S.F.	
FITTING	MIN. BEARING AREA
8"x8"x8" TAP	10.0 SQ.FT.
8"x6" TEE	5.0 SQ.FT.
12"x6" TEE	3.0 SQ.FT.
8" 1/4 BEND	8.0 SQ.FT.
8" 1/8 BEND	8.0 SQ.FT.
8" CAP	6.0 SQ.FT.
6" CAP	3.0 SQ.FT.

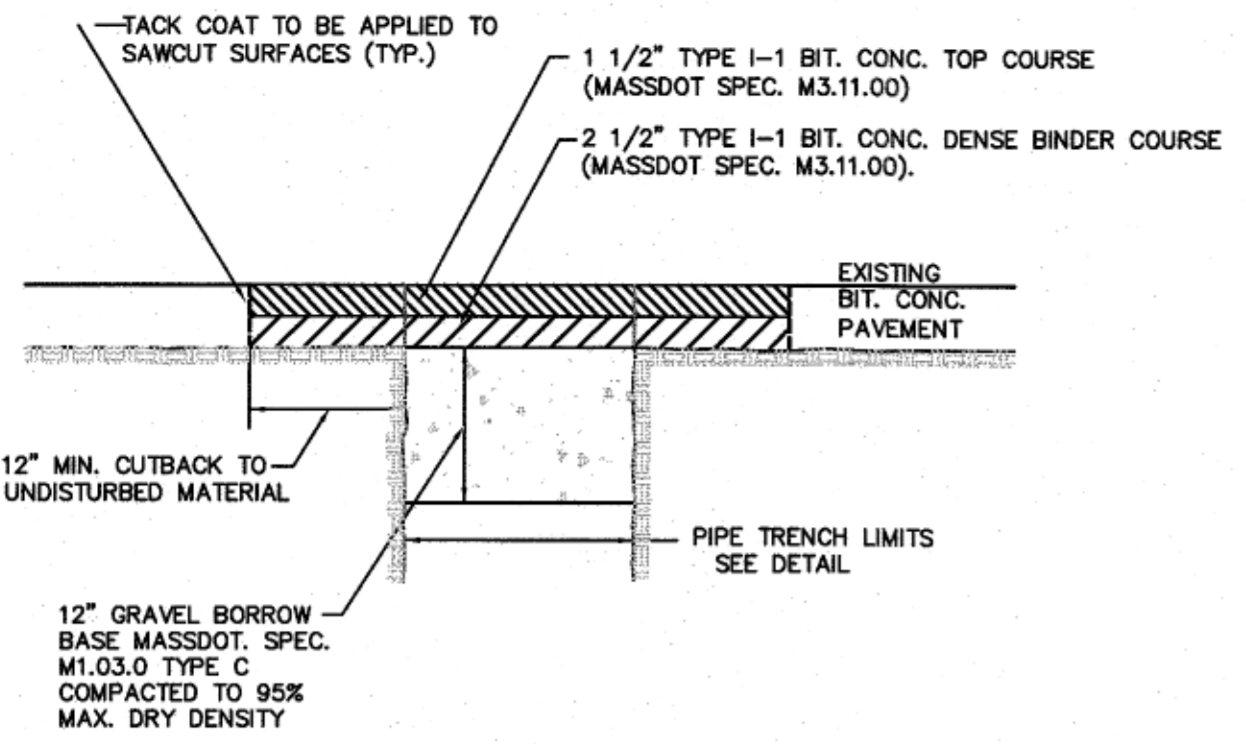
- NOTES:
- CONCRETE SHALL BE CLASS "C" WITH A COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS.
 - THE THRUST BLOCKS SHALL BEAR ON UNDISTURBED EARTH.
 - CEMENT MIX SHALL NOT BE ALLOWED TO RUN INTO PIPE JOINTS.
 - COVER MECHANICAL JOINTS WITH POLYETHYLENE TO PROTECT BOLTS FROM CONCRETE THRUST BLOCK.



- NOTES:
- PANELS SHALL BE 2448DPAV1 AS MANUFACTURED BY ADA SOLUTIONS, INC.
 - PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED.

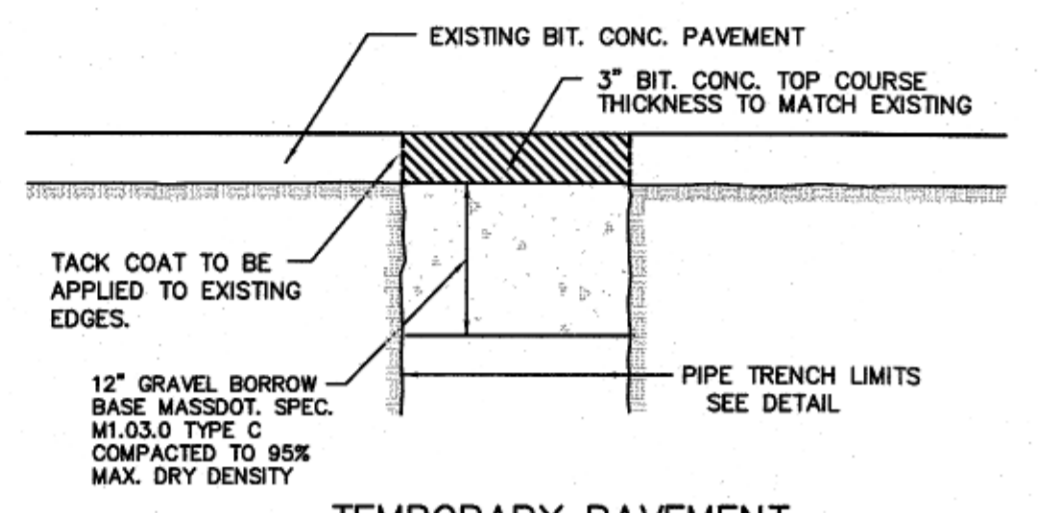


- NOTES:
- THE SIDEWALK CROSS SLOPE MUST NOT EXCEED 1.5% FOR CEMENT CONCRETE (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700).
 - AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 36" SHALL BE MAINTAINED.
 - THE WHEELCHAIR RAMP SLOPE AND SIDE OF SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 - WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGH SIDE FRONT TRANSITION LENGTH SHALL BE 20'-0".
 - IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
 - FIXED OBJECTS—UTILITY POLES, HYDRANTS ETC.—MUST NOT ENDOACH ON WHEELCHAIR RAMPS.
 - AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 - CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHOULD BE LOCATED UP-GRADE WHENEVER POSSIBLE.
 - THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH PARKING AREA.
 - TESTING SURFACE—WHEN TESTING A STRAIGHT EDGE PLACED PARALLEL TO THE LINE OF SLOPE, THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF 1/4" OF AN INCH.
 - WHEN IT IS TECHNOLOGICALLY UNFEASIBLE TO CONSTRUCT WHEELCHAIR RAMPS IN COMPLIANCE WITH THE ARCHITECTURAL ACCESS BOARD'S REGULATIONS, A VARIANCE WILL NEED TO BE SUBMITTED. THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
 - THE CENTERLINE OF THE WHEELCHAIR RAMP MUST BE CONSTRUCTED PERPENDICULAR TO THE CURB. IN CASES WHERE THE CROSSWALK IS SLOPED WITH THE RAMP, A TURNING RADIUS OF 8.0 FT. ENTIRELY CONTAINED WITHIN THE CROSSWALK, MUST BE PROVIDED AT THE BASE OF THE WHEELCHAIR RAMP.
 - THE CONTRACTOR SHALL OBTAIN GRADES AT ALL W.C. RAMP LOCATIONS AND SHALL SET TRANSITION LENGTHS ACCORDING TO THE APPROPRIATE TABLES AND DETAILS SHOWN.
 - THE ENTIRE WHEELCHAIR RAMP SHALL BE CONSTRUCTED OF CEMENT CONCRETE.
 - ALL RAMP JOINTS AND TRANSITION SECTIONS WHICH DEFINE GRADE CHANGES SHALL BE FORMED AND STAMPED FOR APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.
 - DETECTABLE WARNING PANELS SHALL BE CAST-IN-PLACE COMPOSITE PANEL UNIT MODEL NO. 2448DPAV2 AS MANUFACTURED BY ADA SOLUTIONS, INC. OR APPROVED EQUAL UNIT SHALL BE FEDERAL YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED BY THE OWNER.



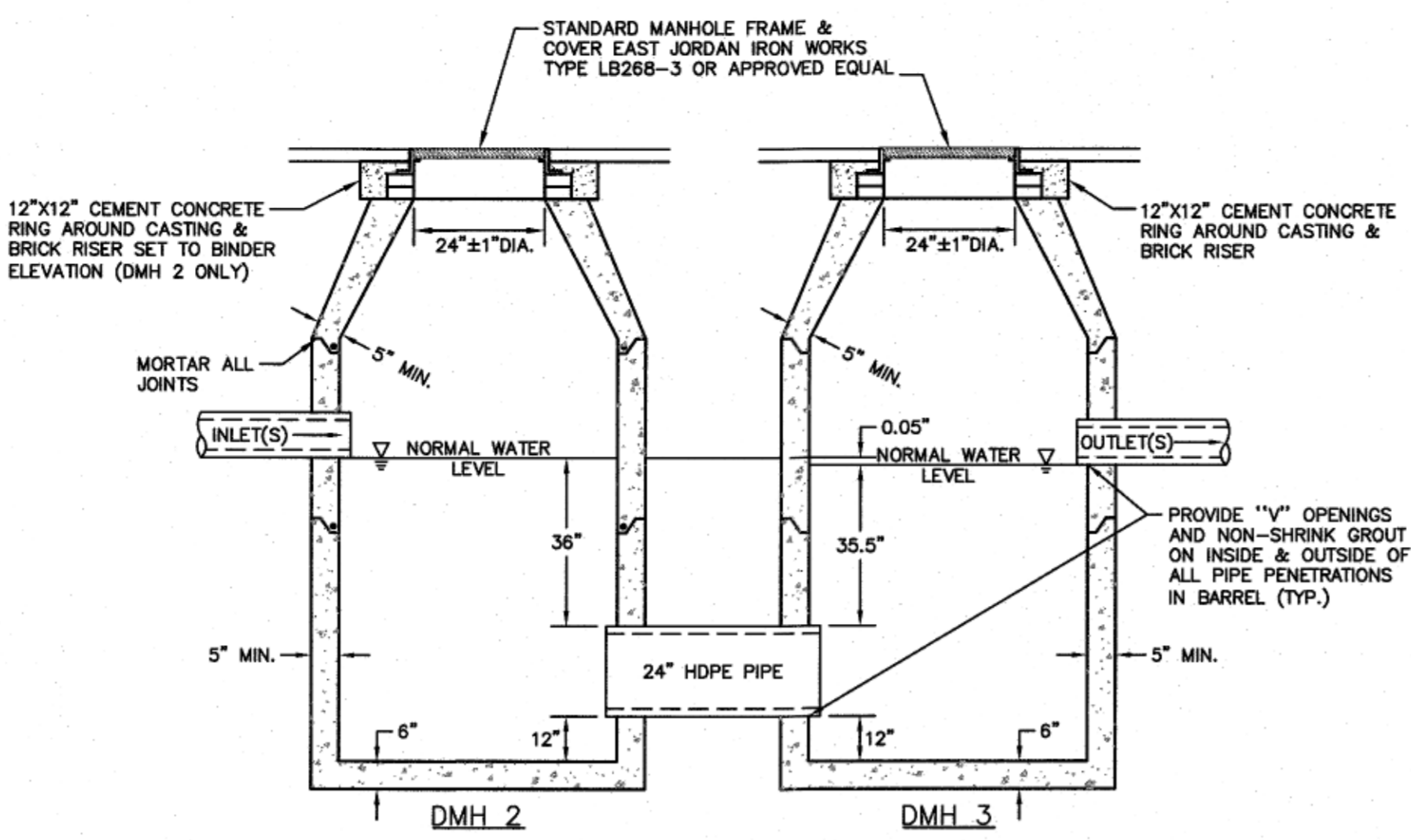
**PERMANENT BITUMINOUS CONCRETE PAVEMENT
PUBLIC RIGHT OF WAY**

NOT TO SCALE



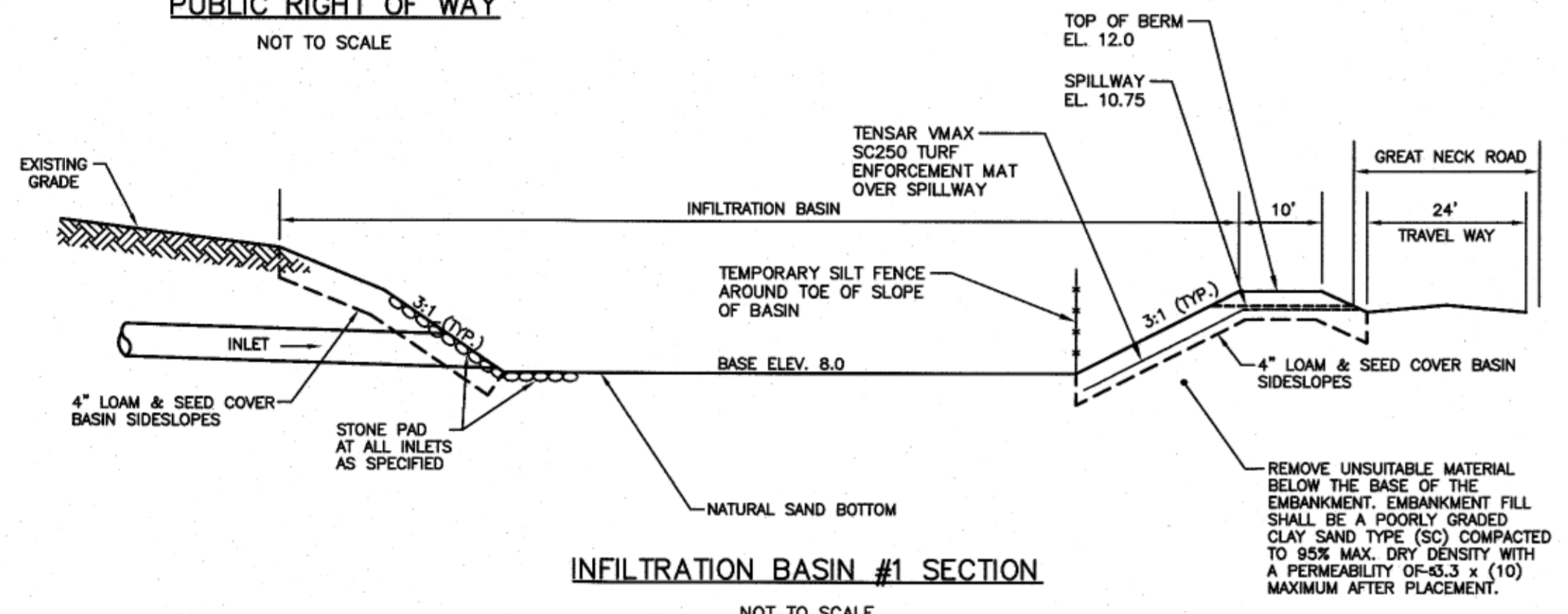
**TEMPORARY PAVEMENT
PUBLIC RIGHT OF WAY**

NOT TO SCALE



**OIL/WATER SEPARATOR MANHOLE
DMH 2 & 3**

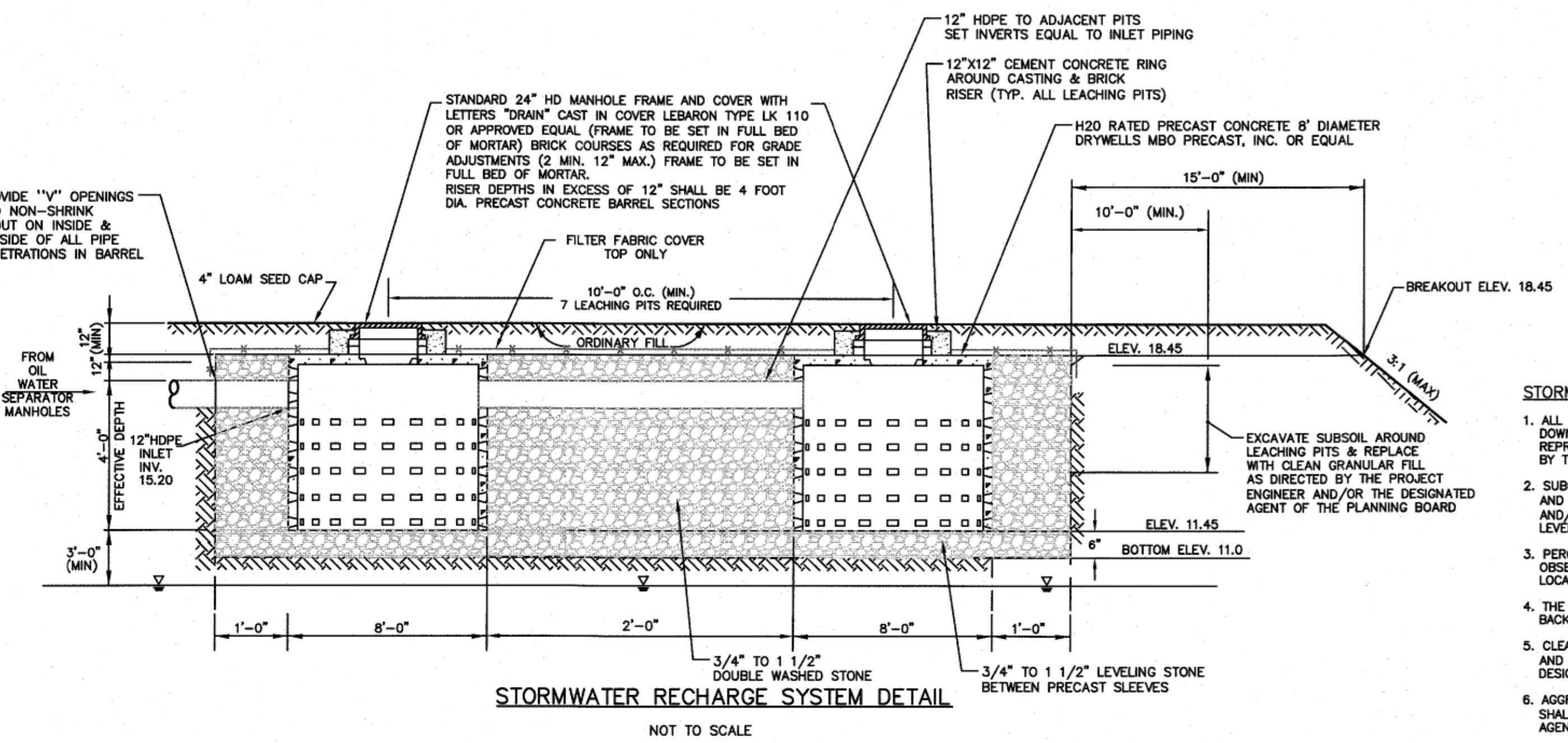
NOT TO SCALE



INFILTRATION BASIN #1 SECTION

NOT TO SCALE

- NOTES:
1. STONE FOR PIPE ENDS SHALL CONFORM TO MASSDOT SPECIFICATION M2.02.3.
 2. SEEDING SHALL BE AN EROSION SEED MIX CONFORMING TO MASSDOT SPEC. M6.03.10 APPLIED AT A MINIMUM RATE OF 4.0 LBS/1,000 S.F. OR AS REQUIRED TO YIELD AT LEAST 80% ESTABLISHED PERMANENT GRASS SPECIES WITH A UNIFORM COUNT OF 100 PLANTS PER SQUARE FOOT.



STORMWATER RECHARGE SYSTEM DETAIL

NOT TO SCALE

CDS2015-4-C DESIGN NOTES

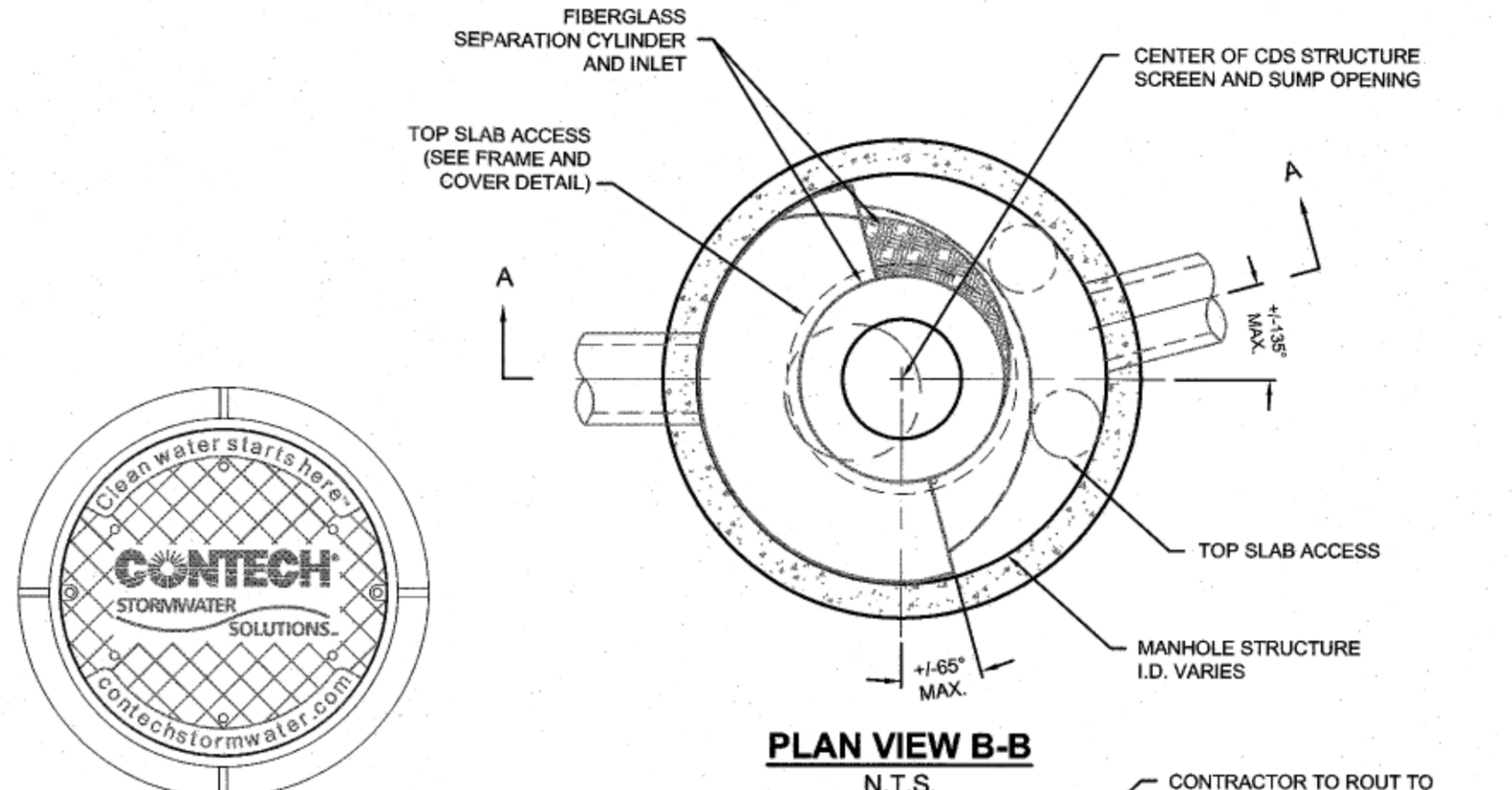
CDS 2015-4-C RATED TREATMENT CAPACITY IS 0.7 CFS (19.8 L/S) OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 10.0 CFS (283 L/S). IF THE SITE CONDITIONS EXCEED 10.0 (283 L/S) CFS, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

THE STANDARD CDS2015-4-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

CONFIGURATION DESCRIPTION	
GRATED INLET ONLY (NO INLET PIPE)	
GRATED INLET WITH INLET PIPE OR PIPES	
CURB INLET ONLY (NO INLET PIPE)	
CURB INLET WITH INLET PIPE OR PIPES	
SEPARATE OIL BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)	
SEDIMENT WEIR FOR NJDEP / NJCAT CONFORMING UNITS	

- GENERAL NOTES:
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. DIMENSIONS MARKED WITH (1) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechies.com
 4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 5. STRUCTURE SHALL MEET AASHTO H20 AND CASTINGS SHALL MEET H20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
 6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES:
- A. ANY SUB-BASE BACKFILL, DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
 - C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
 - D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 - E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

1. THE WATER QUALITY INLETS SHOWN PROVIDE THE TREATMENT LEVEL AND REMOVAL EFFICIENCY RATES LISTED IN THE STORMWATER REPORT.
2. THE UNIT MODEL, SIZE, LOCATION, CONFIGURATION, AND MANUFACTURER MAY VARY BUT WILL, IN ALL CASES, PROVIDE THE REMOVAL EFFICIENCIES ESTIMATED IN THE STORMWATER REPORT.

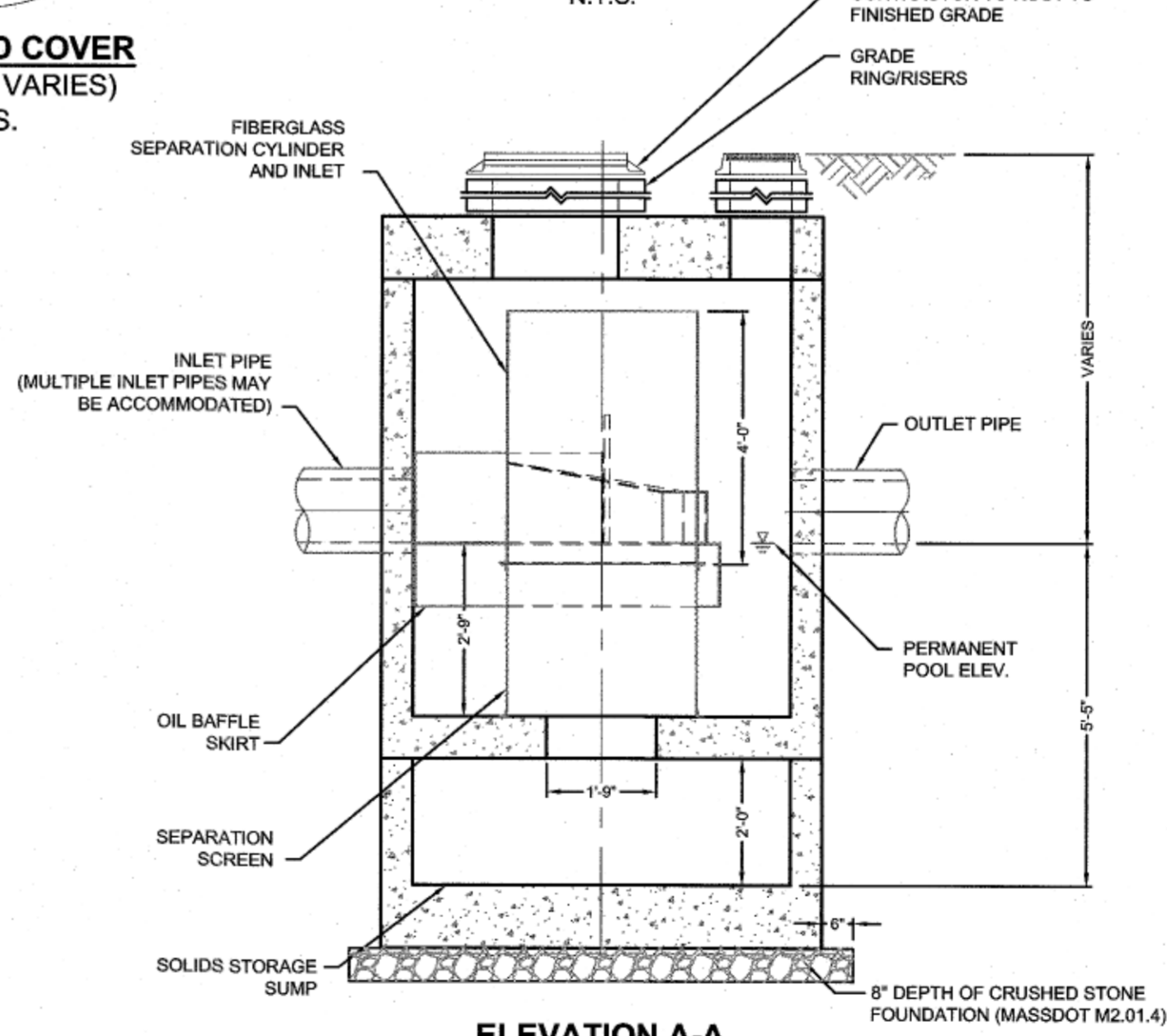


PLAN VIEW B-B

N.T.S.

**FRAME AND COVER
(DIAMETER VARIES)**

N.T.S.



ELEVATION A-A

WATER QUALITY INLET

N.T.S.

STORMWATER RECHARGE SYSTEM

1. ALL UNSUITABLE MATERIAL FOUND WITHIN THE LEACHING SYSTEM AREA MUST BE REMOVED DOWN TO A 4 FOOT MINIMUM THICKNESS LAYER OF NATURALLY OCCURRING SOIL WHICH IS REPRESENTATIVE OF THE SOIL TYPE WHERE THE SOIL LOGS WERE TAKEN OR AS DIRECTED BY THE PROJECT ENGINEER.
2. SUBGRADE EXCAVATION SHALL BE INSPECTED AND APPROVED BY THE PROJECT ENGINEER AND THE PLANNING BOARD'S DESIGNATED AGENT PRIOR TO THE PLACEMENT OF ANY FILL AND/OR LEACHING SYSTEM COMPONENTS. PRECAST UNITS SHALL BE INSTALLED ON A LEVEL STABLE BASE.
3. PERCOLATION TESTS AND TEST PIT LOGS ARE ONLY INDICATIVE OF THE SOIL CONDITIONS OBSERVED AT THEIR LOCATION. SHOULD SOIL CONDITIONS BE FOUND DIFFERENT AT OTHER LOCATIONS WITHIN THE LEACHING AREA, THE PROJECT ENGINEER MUST BE CONSULTED.
4. THE PROJECT ENGINEER SHALL INSPECT THE INSTALLED FACILITIES IN PLACE PRIOR TO BACKFILLING.
5. CLEAN GRANULAR FILL AROUND THE LEACHING AREA SHALL CONFORM TO 310 CMR 15.255 AND SHALL BE APPROVED BY THE PROJECT ENGINEER AND THE PLANNING BOARD'S DESIGNATED AGENT PRIOR TO PLACEMENT.
6. AGGREGATE FILL AROUND THE PRECAST UNITS SHALL CONFORM TO 310 CMR 15.247 AND SHALL BE APPROVED BY THE PROJECT ENGINEER AND THE PLANNING BOARD'S DESIGNATED AGENT PRIOR TO PLACEMENT.

WAREHAM PLANNING BOARD
APPROVAL UNDER SUBDIVISION
CONTROL LAW IS REQUIRED

DATE APPROVED: _____
DATE ENDORSED: _____

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TOWN CLERK, WAREHAM, MA DATE _____

FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions

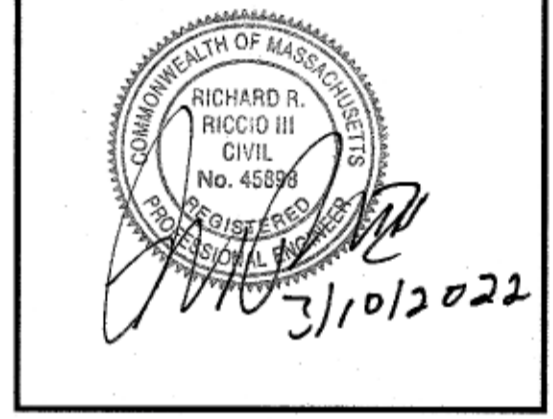
No.	Description	Date	App'd
2	REVIEW PER D.P.W. COMMENTS	3/9/2022	KJM
1	REVIEW PER PRR REVIEW COMMENTS	2/2/2022	KJM

Date 10/7/2021

Scale AS NOTED

Drawn By RMS
Designed By KJM
Checked By RRR

Issued For PERMITTING



DEFINITIVE SUBDIVISION PLAN OF LAND
SHELL POINT PLACE
DAVID ANDRADE
69 GREAT NECK ROAD
WAREHAM, MASSACHUSETTS

Drawing Title
DETAIL SHEET

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