

“THE TRAILS AT JENNINGS HILL”

DEFINITIVE OPEN SPACE RESIDENTIAL SUBDIVISION PLAN

IN

HOLLISTON, MASSACHUSETTS



VICINITY MAP
1"=300'

WAIVER REQUESTS

- SECTION 5.2.5.5 CURBS
THE APPLICANT REQUESTS TO CONSTRUCT A 12" CAPE COD BITUMINOUS BERM, EXCEPT FOR THE CURB INLET FOR THE CATCH BASIN, AND THE ENTRANCE RADII AT JENNINGS ROAD. THE BERM SHALL BE CONSTRUCTED MONOLITHICALLY WITH THE BINDER AND TOP COURSES.
- SECTION 5.3.3 MIN 12" RCP.
THE APPLICANT REQUESTS TO CONSTRUCT THE INFILTRATION SYSTEM PIPE SIZES AND MATERIALS AS PROPOSED FOR CONTROL OF STORMWATER.
- SECTION 5.4.3 EXTERIOR LIGHTING.
THE APPLICANT REQUESTS TO INSTALL A LIGHT AT THE END OF EACH DRIVEWAY IN LIEU OF STREET LIGHTING

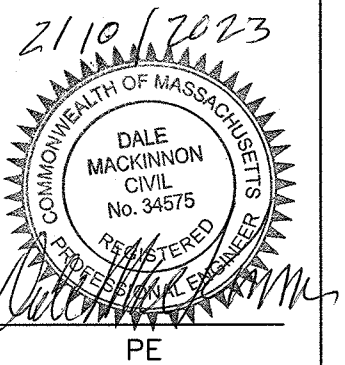
GENERAL NOTES

- BASE MAP AND ELEVATIONS ARE BASED ON THE PLAN ' DEFINITIVE SUBDIVISION PLAN. THE TRAILS AT JENNINGS HILL, HOLLISTON , MA. BY APPLEWOOD SURVEY CO. LLC. DATED AUGUST 16, 2022 AND SIGNED AND STAMPED ON AUGUST 29, 2022 BY TERRANCE RYAN.
- ASSESSORS MAP 11 BLOCK 4 LOT 2. DEED BOOK 78369 PAGE 470
- ALL ELEVATIONS SHOWN REFER TO NAVD88.
- THE TOPOGRAPHY SHOW IS FROM ON-GROUND SURVEY.
- JENNINGS ROAD IS A SCENIC ROAD.
- THE PROPERTY IS NOT LOCATED WITHIN A FEMA 100 YEAR FLOODPLAIN. SEE FLOOD MAP NUMBER 25017C063F, EFFECTIVE 07/07/2014 FOR REFERENCE.
- SEDIMENT AND EROSION CONTROL SHALL CONSIST OF SILT FENCE AND STAKED COMPOST FILTER SOCKS, OR EQUIVALENT (STRAW WATTLES OR NON-INVASIVE HAYBALES.)
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE DESIGN ENGINEER, THE TOWNS CONSERVATION AND BOARD OF HEALTH OFFICES, 48 HOURS IN ADVANCE AND SCHEDULE AN APPOINTMENT TO HAVE THE DRAINAGE SYSTEMS INSPECTED.
- THE INFILTRATION TRENCHES SHALL BE INSPECTED WHEN THE HOLE IS OPEN, PRIOR TO BACKFILL, AND AFTER THE DRAINAGE SYSTEM IS COMPLETED FOR THE ENTIRE SITE. THIS NOTE MUST BE INCORPORATED ONTO THE FINAL CONTRACT PLANS.
- ALL SEDIMENT AND EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND INSPECTED BY THE CONSERVATION COMMISSION AGENT(S) PRIOR TO COMMENCEMENT OF EARTH WORK. THIS NOTE MUST BE INCORPORATED ONTO THE FINAL CONTRACT PLANS.
- PRIOR TO A CERTIFICATE OF COMPLIANCE REQUEST, AN AS-BUILT PALN SHALL BE SUBMITTED TO THE ENGINEERING DIVISION IN BOTH DIGITAL FORMAT AND IN HARD COPY. THE PLAN SHALL SHOW ALL UTILITIES, ANY EASEMENT, IMPROVEMENTS WORK, AND FINAL GRADES. THIS NOTE MUST BE INCORPORATED ONTO THE FINAL CONTRACT PLANS.
- THIS PROJECT IS LOCATED WITHIN A GROUNDWATER PROTECTION DISTRICT ZONE III.

I, ELIZABETH TURNER GREENDALE, CLERK OF THE TOWN OF HOLLISTON, RECEIVED AND RECORDED FROM THE PLANNING BOARD COVENANT APPROVAL OF THIS PLAN ON AND NO APPEAL WAS TAKEN FOR TWENTY DAYS NEXT AFTER RECEIPT AND RECORDING OF SAME.

TOWN CLERK DATE

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



PLS

PE

APPROVED DATE:

HOLLISTON PLANNING BOARD

BEING A MAJORITY

OWNER

STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701
DEED BOOK 78369 PAGE 740
A.M. 11 BLOCK 4 LOT 2

APPLICANT

STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701

OPEN SPACE RESIDENTIAL
DEFINITIVE SUBDIVISION PLAN

“THE TRAILS AT
JENNINGS HILL”

IN
HOLLISTON MASSACHUSETTS

COVER

AUGUST 16, 2022

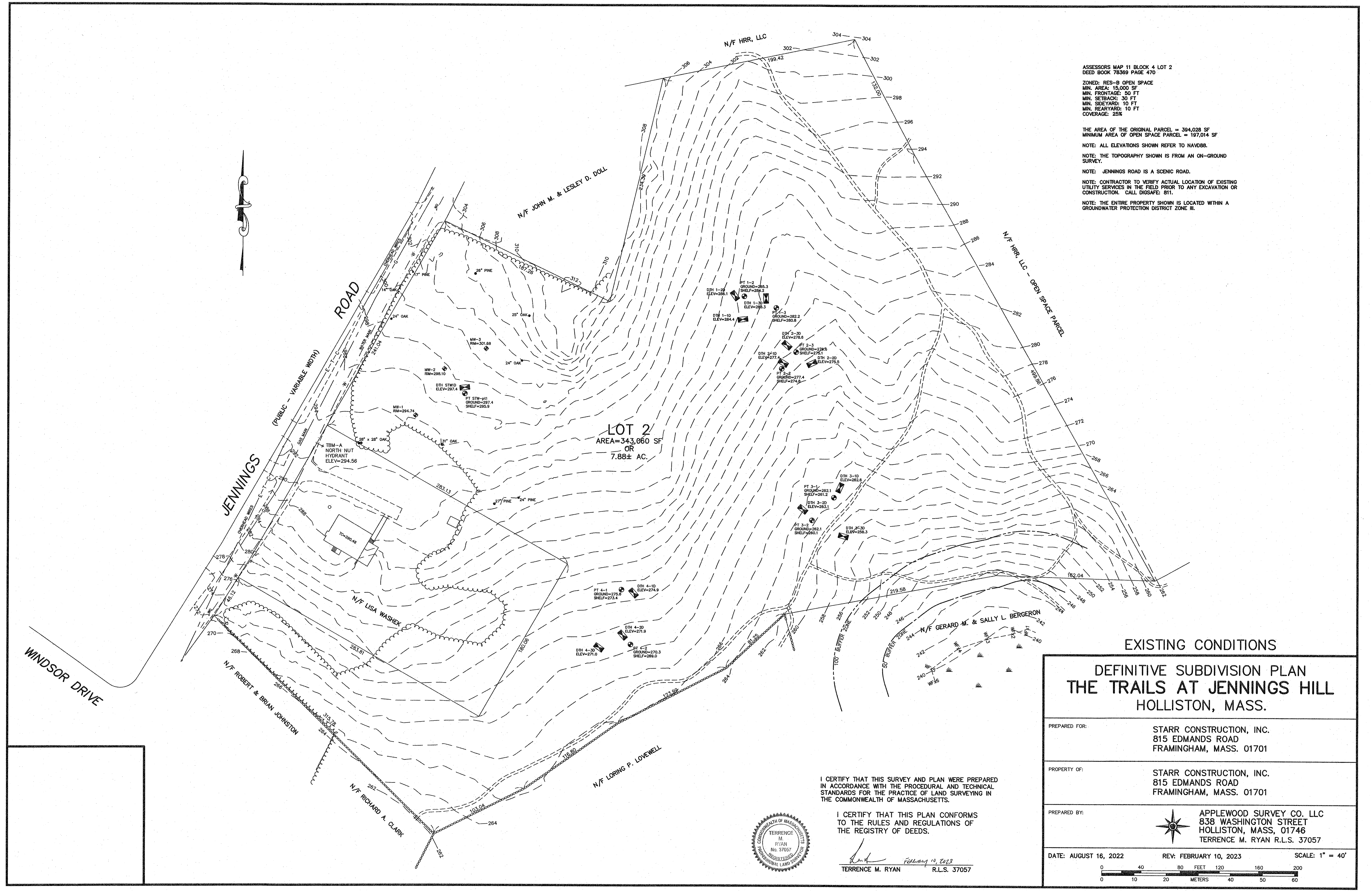
DATE	REVISION DESCRIPTION
1/5/2023	REVISED PER PEER REVIEW
2/10/2023	REVISED PER PEER REVIEW

Guerriere & Halnon, Inc.
ENGINEERING & LAND SURVEYING
55 WEST CENTRAL ST. PH. (508) 528-3221
FRANKLIN, MA 02038 FX. (508) 528-7921
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SHEET
1 OF 10

JOB NO.
G-10453

C:\CONTRIBUTING\DRAWINGS\10453 SITE PLAN.mxd.dwg



ASSESSORS MAP 11 BLOCK 4 LOT 2
DEED BOOK 78369 PAGE 470

ZONED: RES-B OPEN SPACE
MIN. AREA: 15,000 SF
MIN. FRONTAGE: 50 FT
MIN. SETBACK: 30 FT
MIN. SIDEYARD: 10 FT
MIN. REARYARD: 10 FT
COVERAGE: 25%

THE AREA OF THE ORIGINAL PARCEL = 394,028 SF
MINIMUM AREA OF OPEN SPACE PARCEL = 197,014 SF

NOTE: ALL ELEVATIONS SHOWN REFER TO NAVD83.

NOTE: THE TOPOGRAPHY SHOWN IS FROM AN ON-GROUND SURVEY.

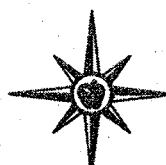

NOTE: JENNINGS ROAD IS A SCENIC ROAD.

NOTE: CONTRACTOR TO VERIFY ACTUAL LOCATION OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION. CALL DIGSAFE: 811.

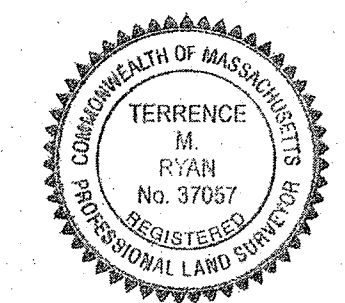
NOTE: THE ENTIRE PROPERTY SHOWN IS LOCATED WITHIN A GROUNDWATER PROTECTION DISTRICT ZONE II.

EXISTING CONDITIONS

DEFINITIVE SUBDIVISION PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON, MASS.

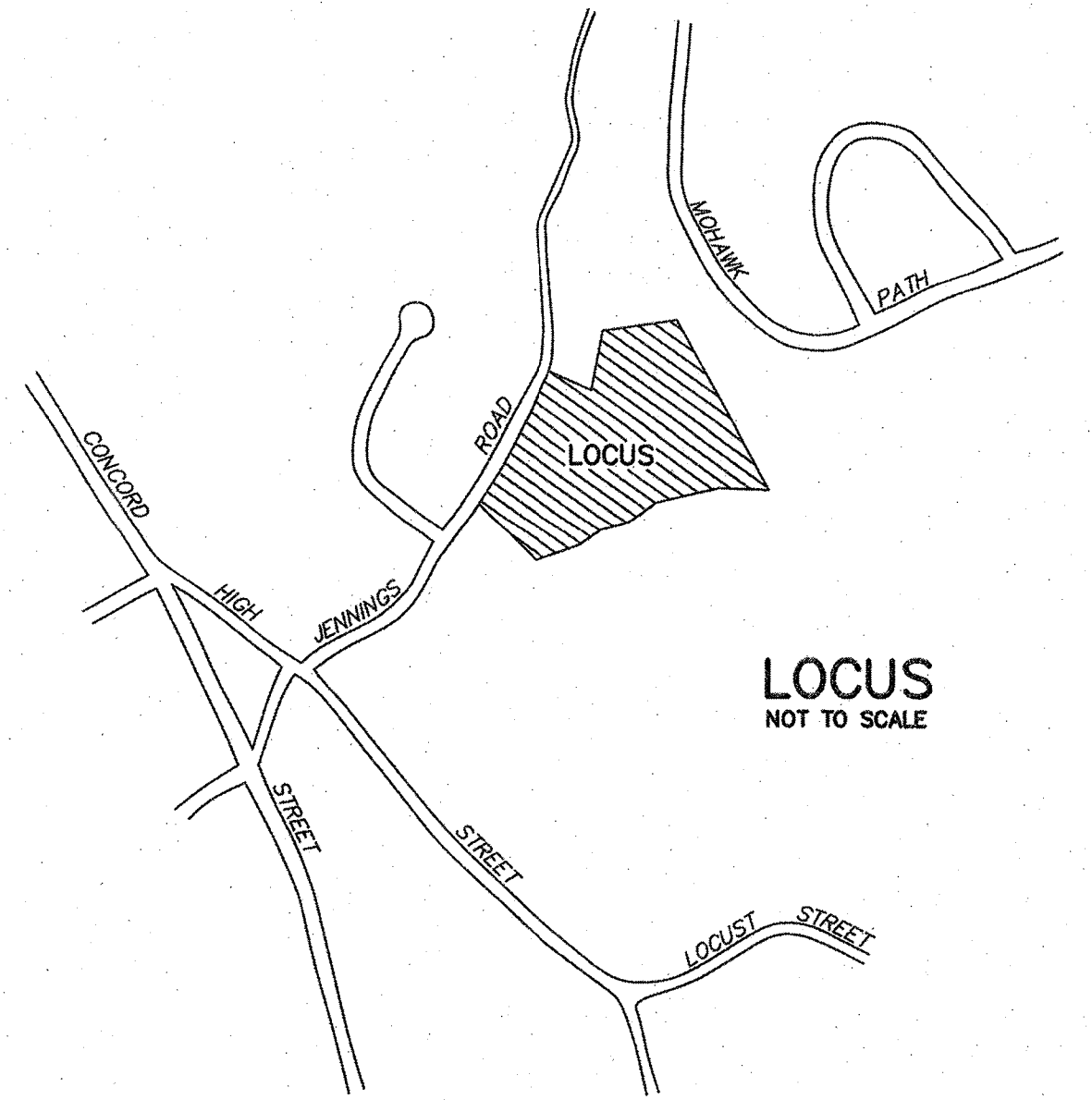
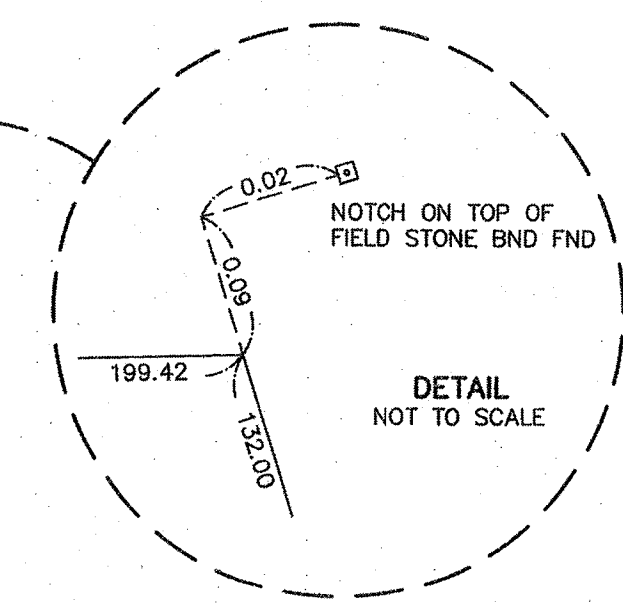
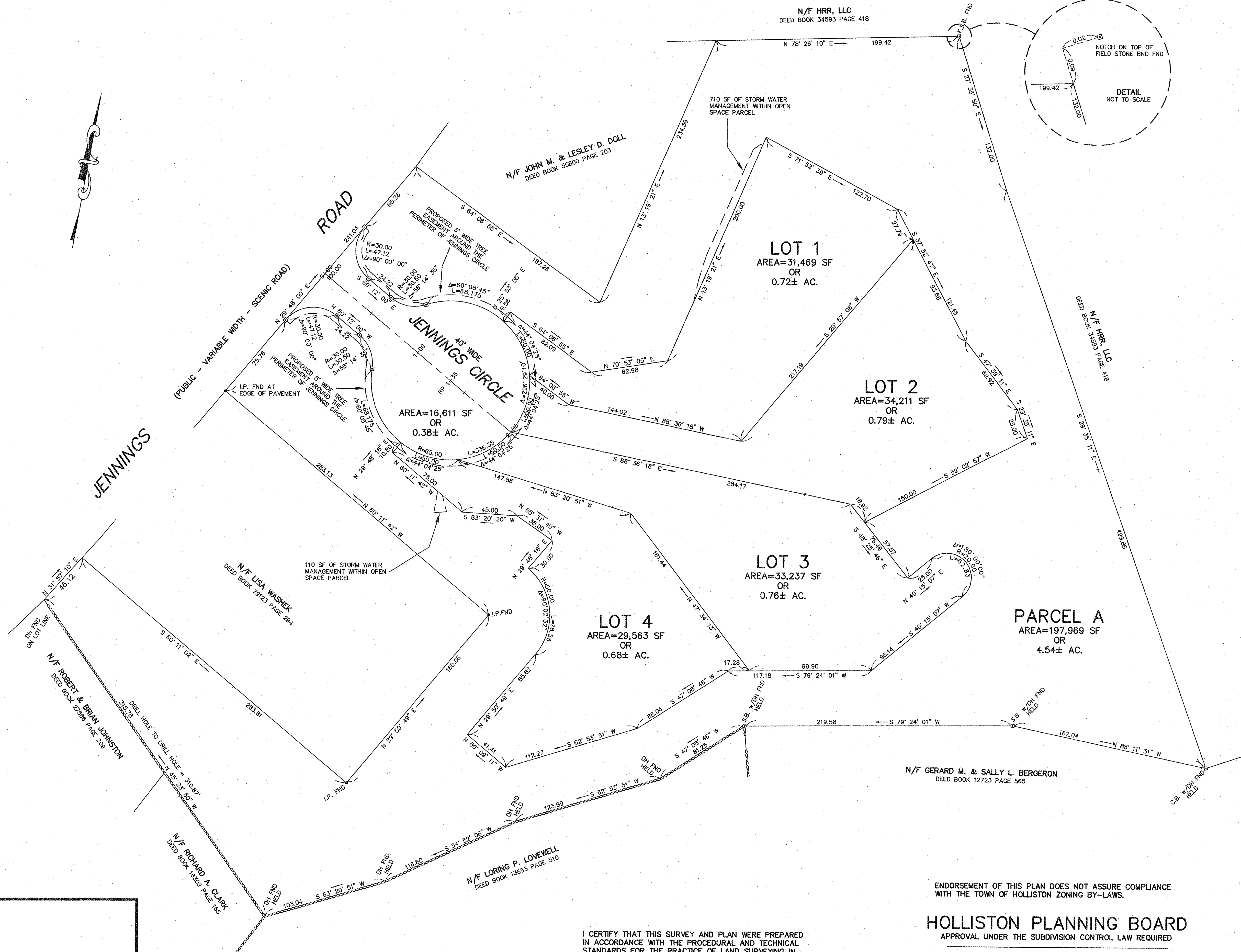
PREPARED FOR:	STARR CONSTRUCTION, INC. 815 EDMANDS ROAD FRAMINGHAM, MASS. 01701		
PROPERTY OF:	STARR CONSTRUCTION, INC. 815 EDMANDS ROAD FRAMINGHAM, MASS. 01701		
PREPARED BY:		APPLEWOOD SURVEY CO. LLC 838 WASHINGTON STREET HOLLISTON, MASS. 01746 TERRENCE M. RYAN R.L.S. 37057	
DATE: AUGUST 16, 2022	REV: FEBRUARY 10, 2023	SCALE: 1" = 40'	
			

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN THE COMMONWEALTH OF MASSACHUSETTS.



I CERTIFY THAT THIS PLAN CONFORMS TO THE RULES AND REGULATIONS OF THE REGISTRY OF DEEDS.

Terrence M. Ryan
February 10, 2023
TERRENCE M. RYAN R.L.S. 37057



REFERENCES

ASSESSORS MAP 11 BLOCK 4 LOT 2
DEED BOOK 80225 PAGE 127
PLAN 802 OF 2021

MINIMUM OPEN SPACE CALCULATION

PARCEL A = 197,969 SF
AREA USED FOR STORM WATER
MANAGEMENT = 820 SF
OPEN SPACE AREA PROVIDED = 197,149 SF
AREA OF ORIGINAL PARCEL = 394,028 SF
OPEN SPACE AREA REQUIRED = 197,014 SF

ZONED: AR-B OPEN SPACE
AREA: 15,000 SF
FRONTAGE: 50 FT
SETBACK: 30 FT
SIDEYARD: 10 FT
REARYARD: 10 FT
COVERAGE: 25%

□ DENOTES A STONE BOUND TO BE SET UNLESS OTHERWISE NOTED

NOTE: THE ENTIRE PROPERTY SHOWN IS LOCATED WITHIN
A GROUNDWATER PROTECTION DISTRICT ZONE III.

DEFINITIVE SUBDIVISION PLAN THE TRAILS AT JENNINGS HILL HOLLISTON, MASS.

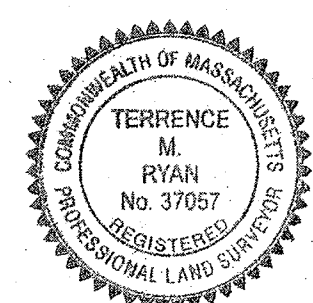
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FRAMINGHAM, MASS. 01701

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PREPARED BY: APPLEWOOD SURVEY CO. LLC
838 WASHINGTON STREET
HOLLISTON, MASS. 01746
TERRENCE M. RYAN R.L.S. 37057

DATE: AUGUST 16, 2022 REV: FEBRUARY 10, 2023 SCALE: 1" = 40'
0 40 80 120 160 200
0 10 20 40 50 60
FEET METERS

I CERTIFY THAT THIS SURVEY AND PLAN WERE PREPARED
IN ACCORDANCE WITH THE PROCEDURAL AND TECHNICAL
STANDARDS FOR THE PRACTICE OF LAND SURVEYING IN
THE COMMONWEALTH OF MASSACHUSETTS.



I CERTIFY THAT THIS PLAN CONFORMS
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THE REGISTRY OF DEEDS.

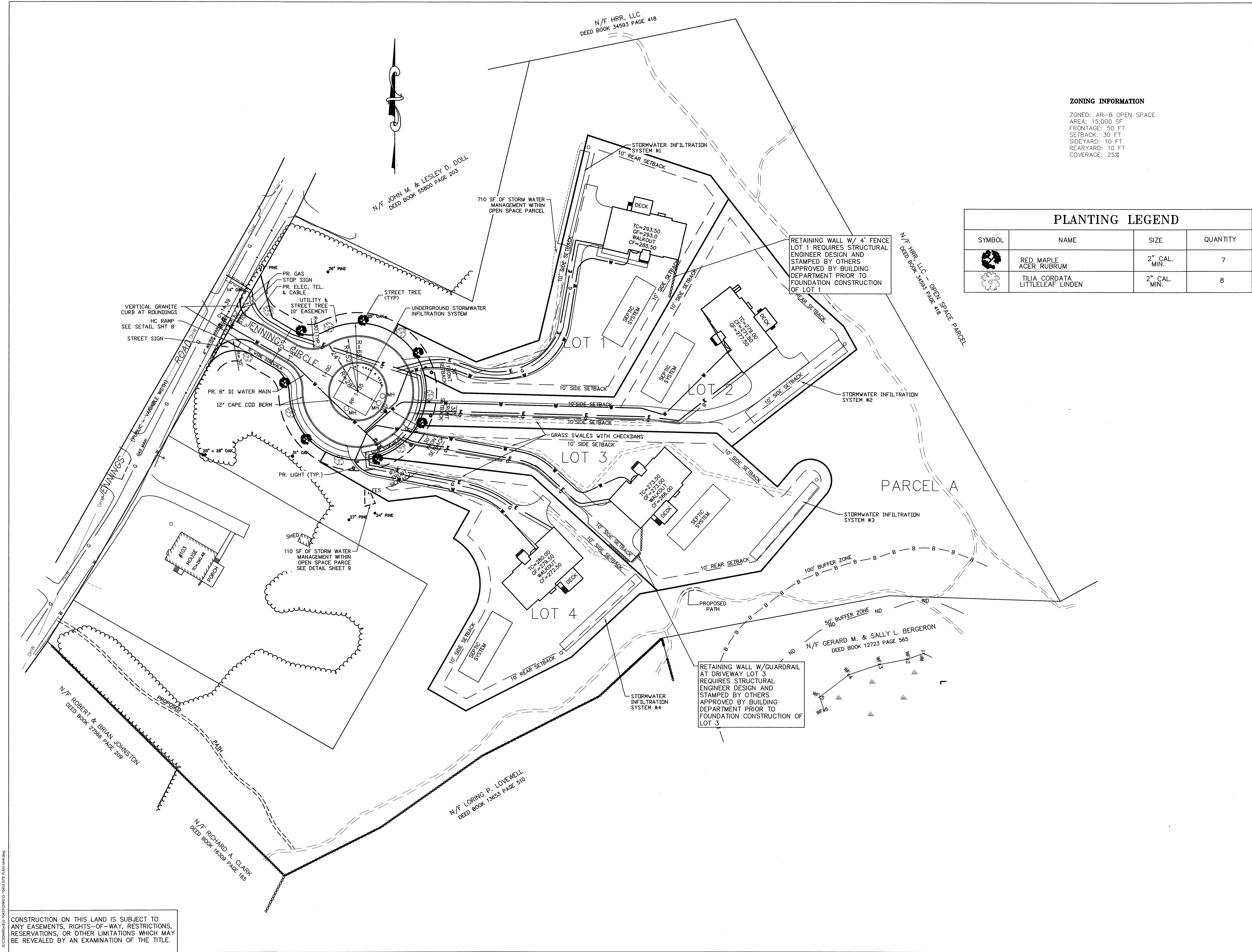
TERRENCE M. RYAN
February 10, 2023
R.L.S. 37057

ENDORSEMENT OF THIS PLAN DOES NOT ASSURE COMPLIANCE
WITH THE TOWN OF HOLLISTON ZONING BY-LAWS.

HOLLISTON PLANNING BOARD

APPROVAL UNDER THE SUBDIVISION CONTROL LAW REQUIRED

DATE: _____



ZONING INFORMATION

ZONED: AR-B OPEN SPACE
AREA: 15,000 SF
FRONTAGE: 50 FT
SETBACK: 30 FT
SIDEYARD: 10 FT
REARYARD: 10 FT
COVERAGE: 25%

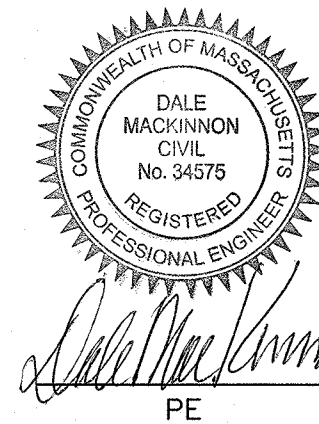
PLANTING LEGEND

SYMBOL	NAME	SIZE	QUANTITY
	RED MAPLE ACER RUBRUM	2" CAL. MIN.	7
	TILIA CORDATA LITTLELEAF LINDEN	2" CAL. MIN.	8

APPROVED DATE:

HOLLISTON PLANNING BOARD

BEING A MAJORITY



G-10453

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DEED BOOK 78369 PAGE 740
A.M. 11 BLOCK 4 LOT 2

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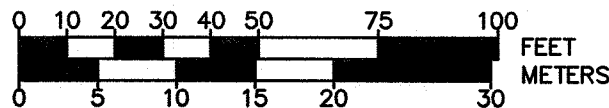
IN
HOLLISTON MASSACHUSETTS

LAYOUT

AUGUST 16, 2022

DATE	REVISION DESCRIPTION
1/5/2023	REVISED FOR PEER REVIEW
2/10/2023	REVISED PER PEER REVIEW

GRAPHIC SCALE: 1"=40'



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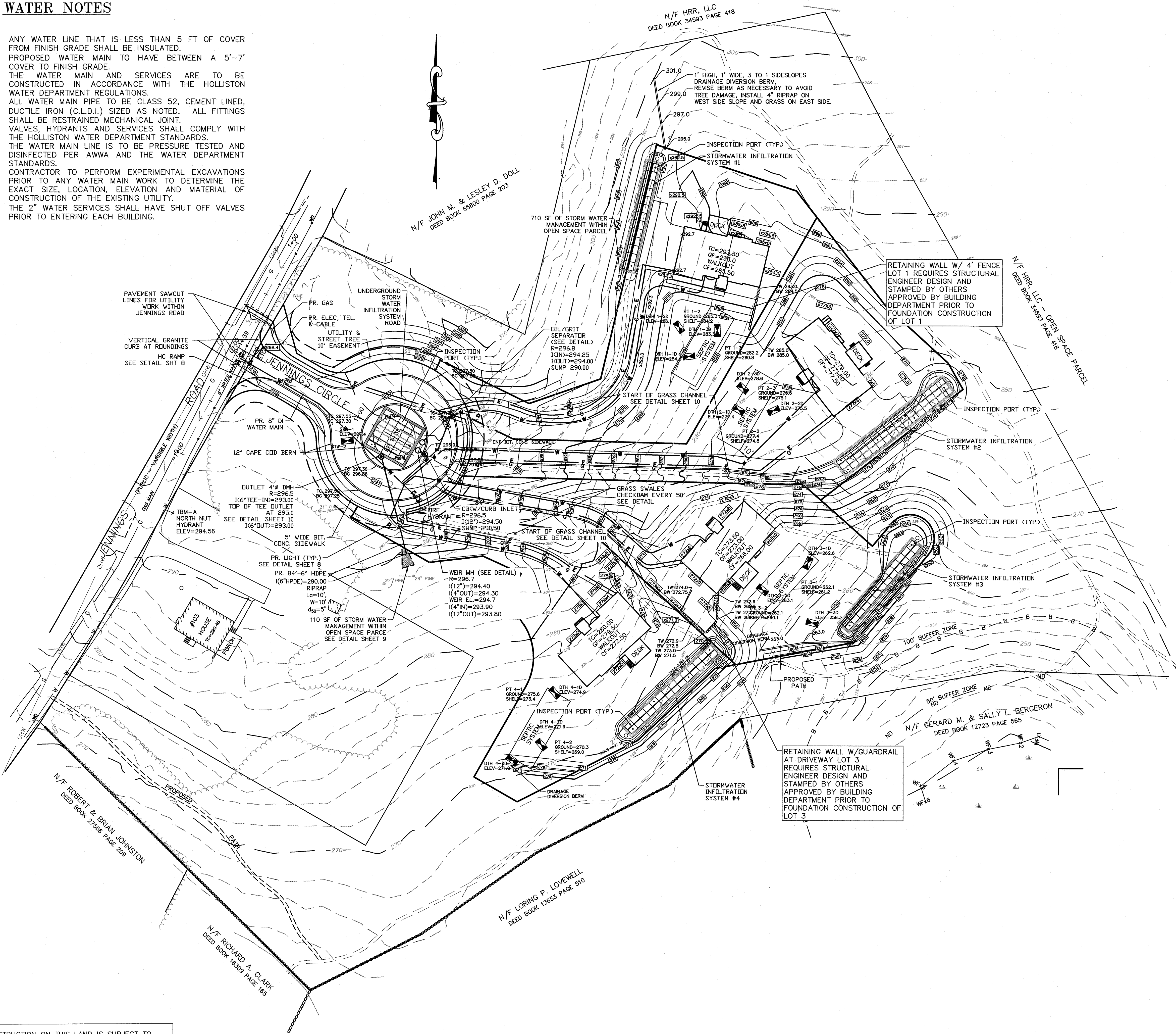
SHEET
4 OF 10

JOB NO. G-10453

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

WATER NOTES

1. ANY WATER LINE THAT IS LESS THAN 5 FT OF COVER FROM FINISH GRADE SHALL BE INSULATED.
2. PROPOSED WATER MAIN TO HAVE BETWEEN A 5'-7' COVER TO FINISH GRADE.
3. THE WATER MAIN AND SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOLLISTON WATER DEPARTMENT REGULATIONS.
4. ALL WATER MAIN PIPE TO BE CLASS 52, CEMENT LINED, DUCTILE IRON (C.L.D.I.) SIZED AS NOTED. ALL FITTINGS SHALL BE RESTRAINED MECHANICAL JOINT.
5. VALVES, HYDRANTS AND SERVICES SHALL COMPLY WITH THE HOLLISTON WATER DEPARTMENT STANDARDS.
6. THE WATER MAIN LINE IS TO BE PRESSURE TESTED AND DISINFECTED PER AWWA AND THE WATER DEPARTMENT STANDARDS.
7. CONTRACTOR TO PERFORM EXPERIMENTAL EXCAVATIONS PRIOR TO ANY WATER MAIN WORK TO DETERMINE THE EXACT SIZE, LOCATION, ELEVATION AND MATERIAL OF CONSTRUCTION OF THE EXISTING UTILITY.
8. THE 2" WATER SERVICES SHALL HAVE SHUT OFF VALVES PRIOR TO ENTERING EACH BUILDING.



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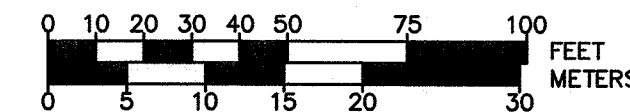
DEFINITIVE SUBDIVISION
PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON
MASSACHUSETTS

GRADING & UTILITY

AUGUST 16, 2022

DATE	REVISION DESCRIPTION
1/05/2023	REVISIONS FOR PEER REVIEW
2/10/2023	REVISIONS FOR PEER REVIEW

GRAPHIC SCALE: 1"=40'



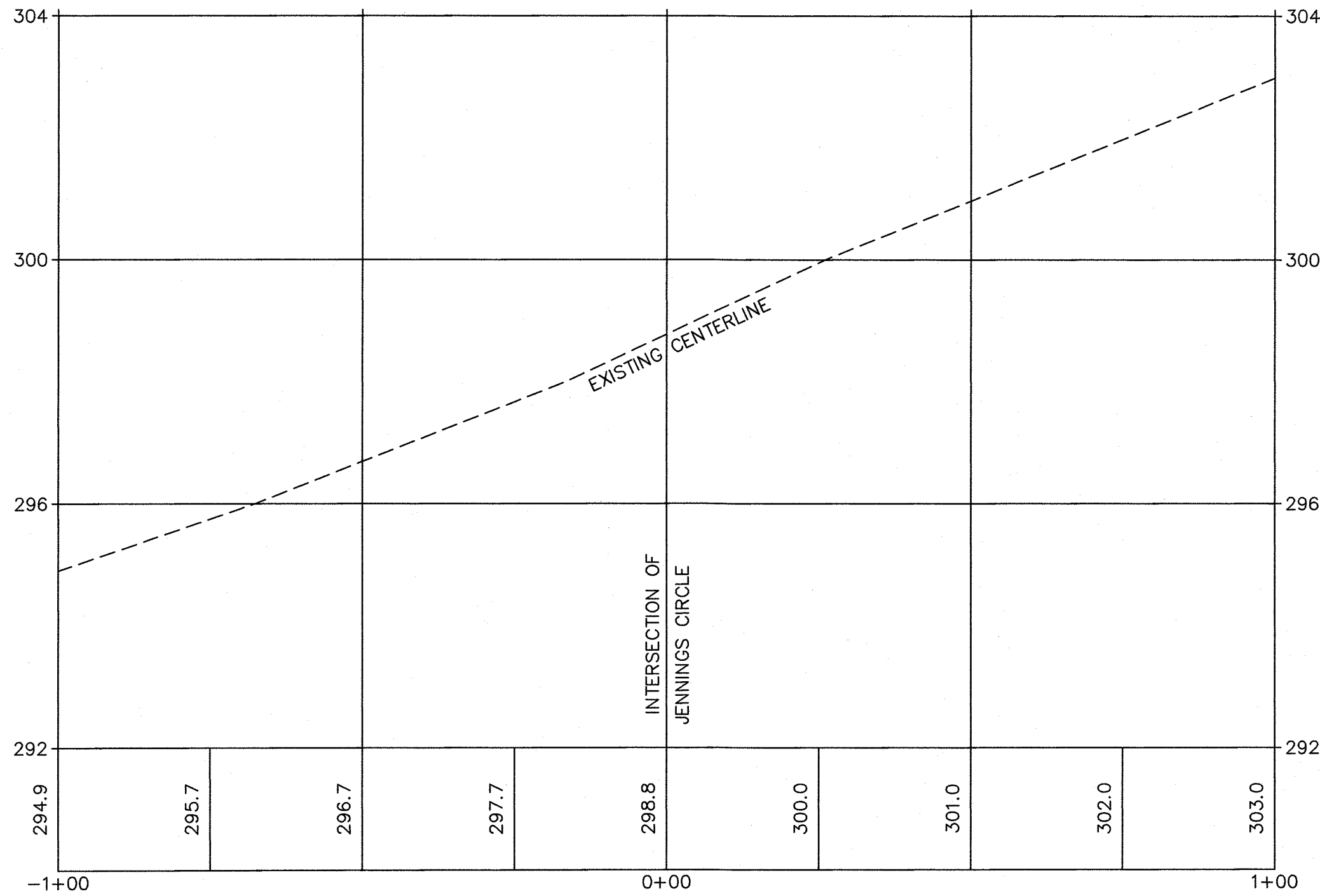
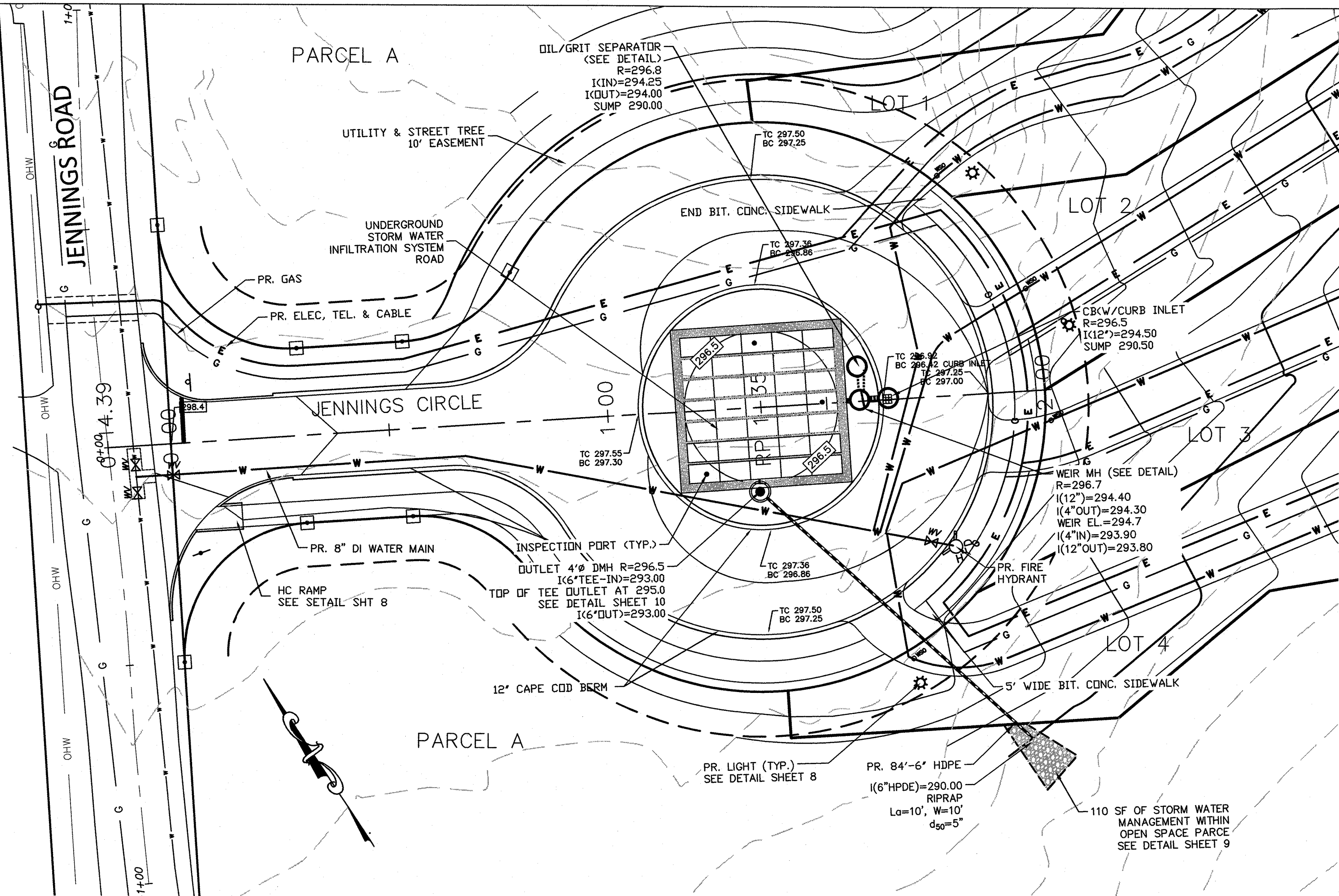
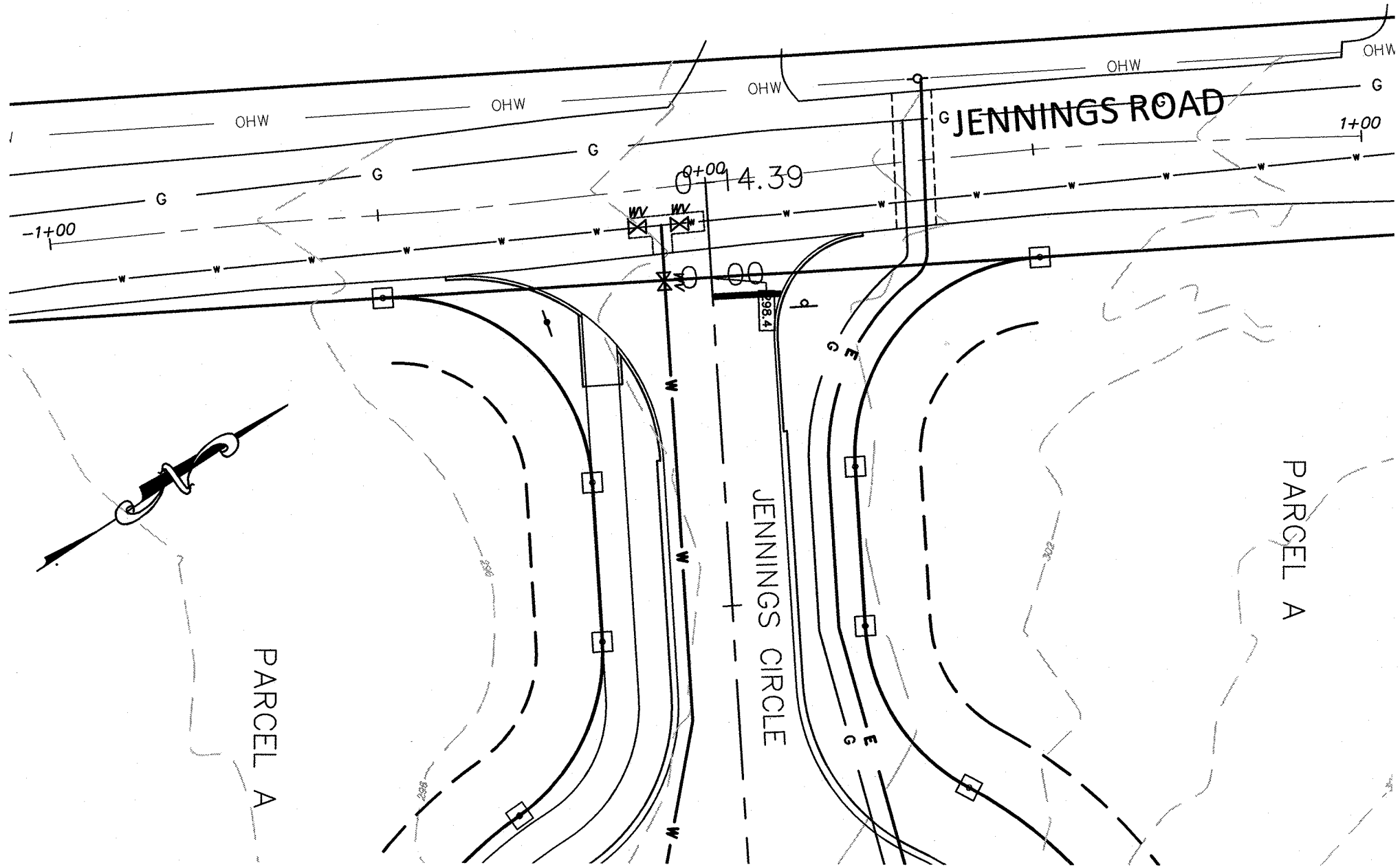
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5 OF 10

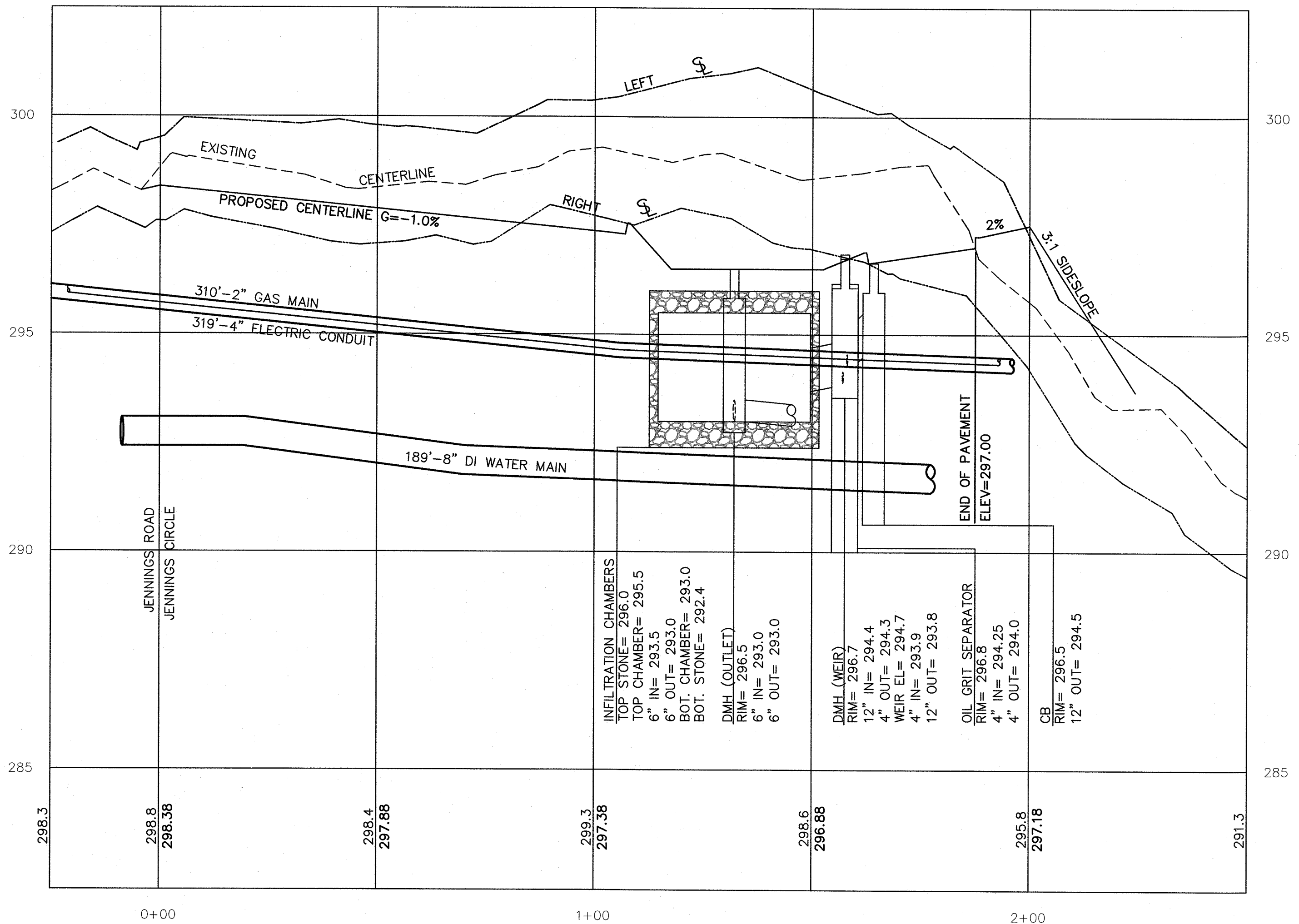
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WATER NOTE

1. THE WATER MAIN AND SERVICES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOLLISTON WATER DEPARTMENT REGULATIONS.

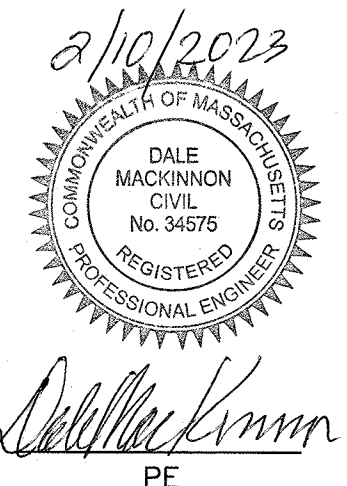


JENNINGS ROAD
HORZ. SCALE: 1"=20' VERT. SCALE: 1"=2'



JENNINGS CIRCLE
HORZ. SCALE: 1"=20' VERT. SCALE: 1"=2'

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G-10453

PLS

APPROVED DATE:

HOLLISTON PLANNING BOARD

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815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701

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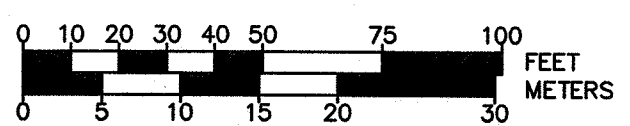
DEFINITIVE SUBDIVISION
PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON
MASSACHUSETTS

PLAN & PROFILE

JANUARY 5, 2023

DATE	REVISION DESCRIPTION
2/10/2023	REVISIONS FOR PEER REVIEW

GRAPHIC SCALE: 1"=40'



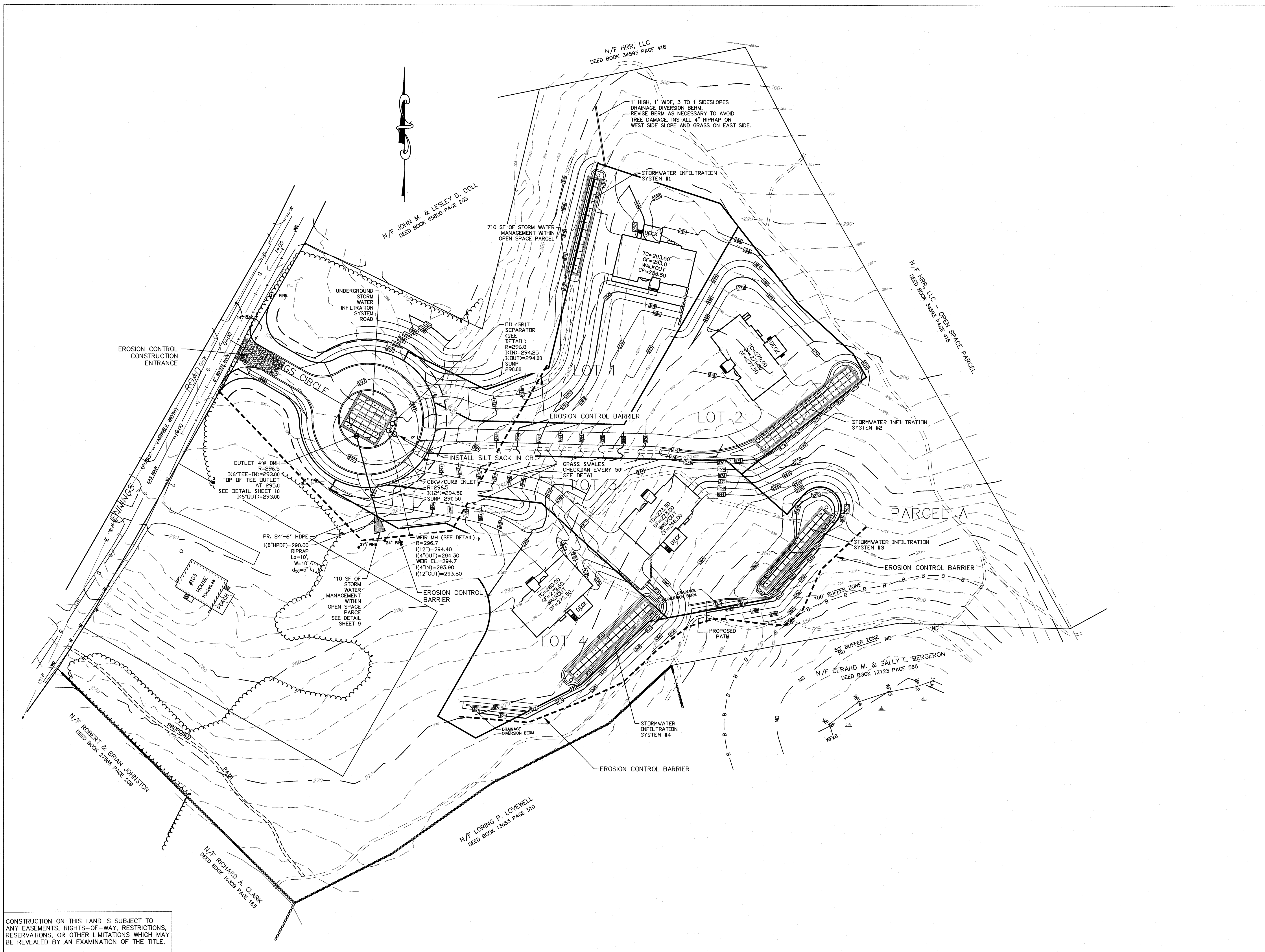
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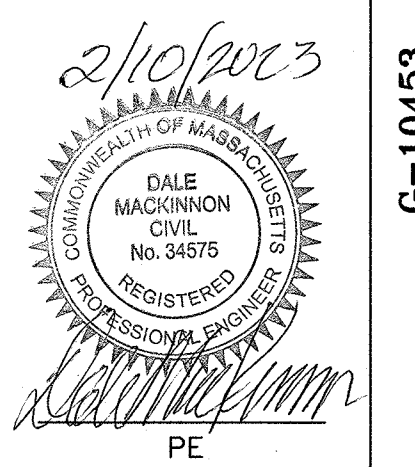
6 OF 10

JOB NO.

G-10453



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HOLLISTON PLANNING BOARD

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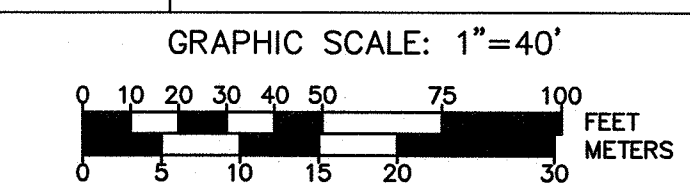
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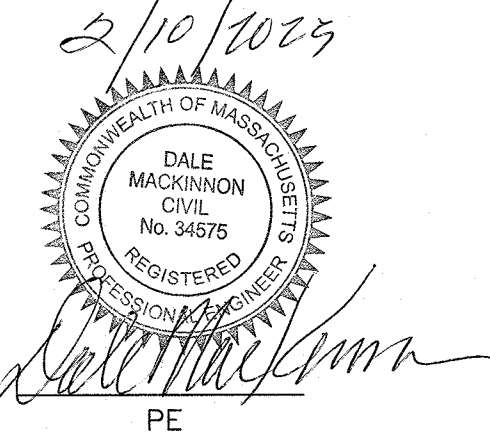
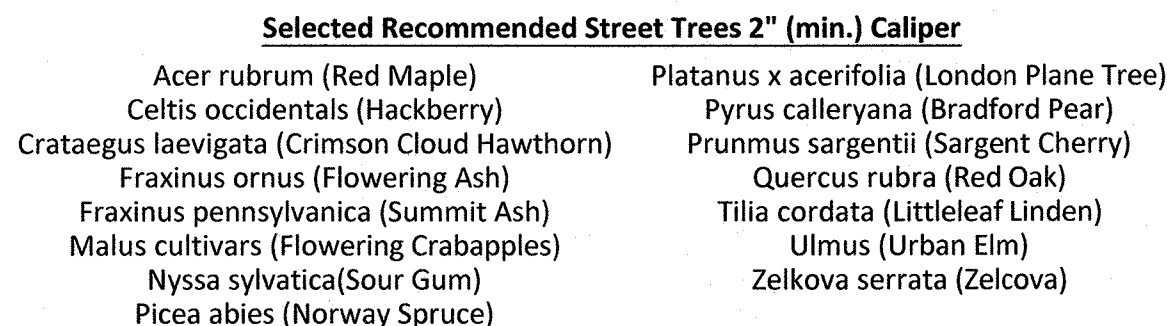
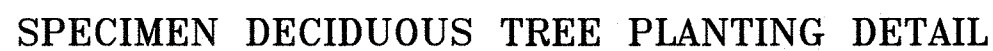
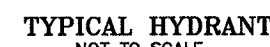
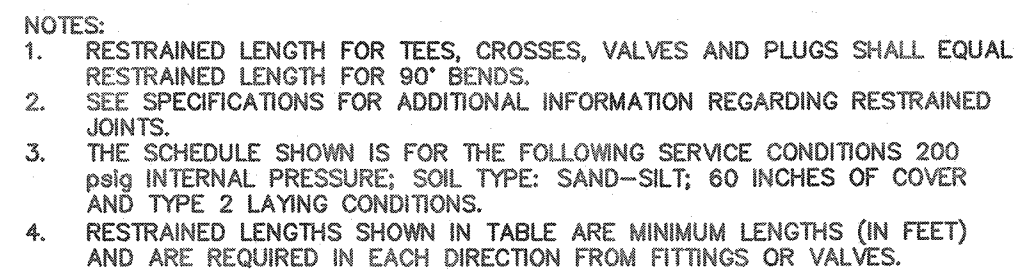
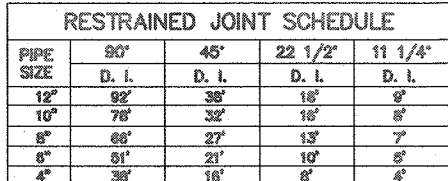
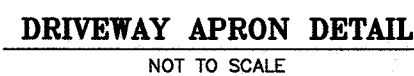
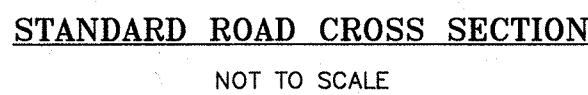
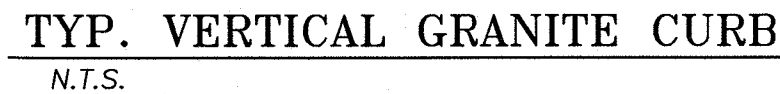
**DEFINITIVE SUBDIVISION
PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON
MASSACHUSETTS**

**EROSION
CONTROL
AUGUST 16, 2022**

DATE	REVISION DESCRIPTION
1/5/2023	REVISED FOR PEER REVIEW
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Guerriere & Halnon, Inc.
ENGINEERING & LAND SURVEYING
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APPROVED DATE:

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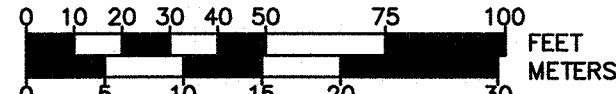
DEFINITIVE SUBDIVISION
PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON
MASSACHUSETTS

CONSTRUCTION DETAILS

JANUARY 5, 2023

DATE	REVISION DESCRIPTION
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GRAPHIC SCALE: 1"=40'



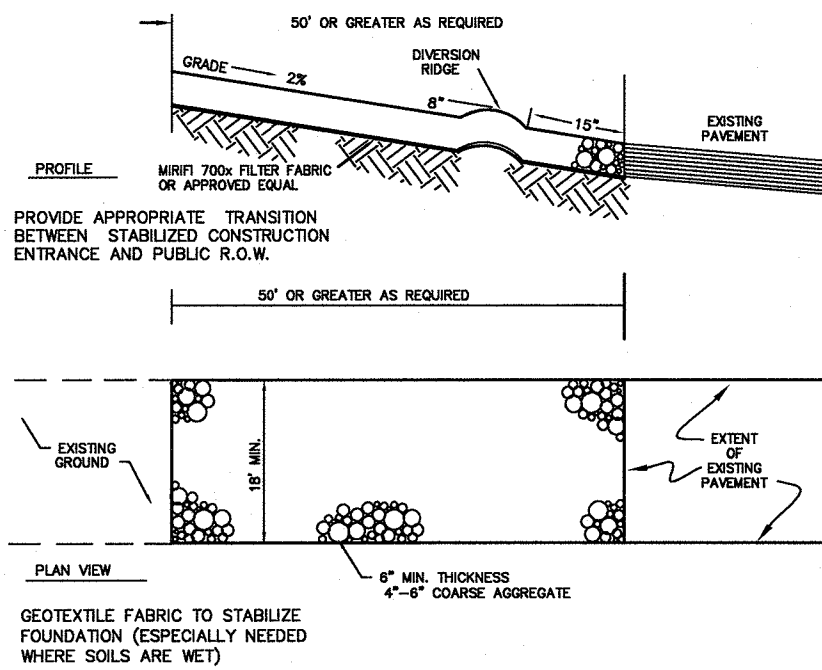
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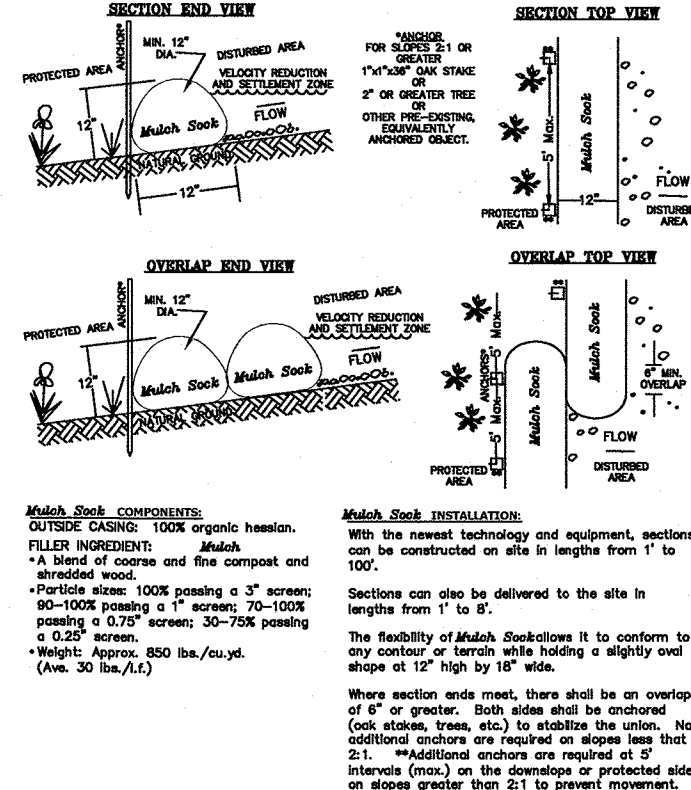
JOB NO. **G10453**

GENERAL EROSION CONTROL AND CONSTRUCTION NOTES

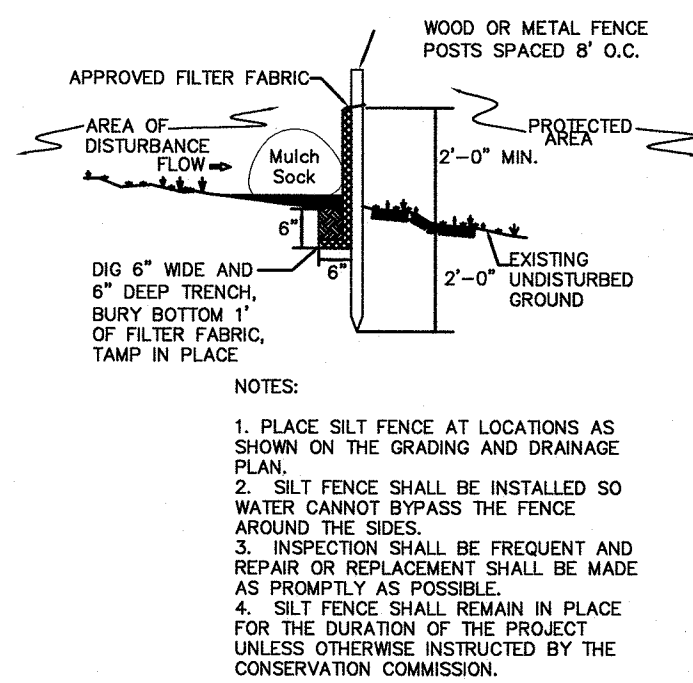
1. THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
2. INSPECT ALL SEDIMENT AND EROSION CONTROL MEASURES AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS AFTER EVERY RAINFALL EVENT.
3. MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES OR REPLACE AS REQUIRED TO ASSURE PROPER FUNCTION.
4. CONTRACTOR SHALL IMMEDIATELY REPAIR ANY AND ALL EROSION AND SEDIMENT CONTROLS FOUND TO BE FAULTY.
5. ANY AND ALL DEBRIS AND LITTER WHICH ACCUMULATES IN THE BASINS SHALL BE REMOVED WEEKLY.
6. THE CONTRACTOR SHALL IMPLEMENT ALL EROSION AND SEDIMENT CONTROLS PRIOR TO THE ACTUAL COMMENCEMENT OF CONSTRUCTION ACTIVITIES INCLUDING THE CLEARING AND/OR GRUBBING OF ANY PORTION OF THE PROPERTY. THESE MEASURES SHALL BE MAINTAINED IN EFFECT THROUGHOUT THE ENTIRE CONSTRUCTION PHASE, OR UNTIL THE SITE HAS BECOME STABILIZED WITH AN ADEQUATE VEGETATIVE COVER.
7. SEDIMENT BUILD UP BEHIND MULCH SOCK SHALL BE MONITORED AND BE REMOVED WHENEVER IT HAS ACCUMULATED TO FOUR INCHES IN DEPTH.
8. CATCH BASINS SHALL BE PROTECTED WITH SILT FILTERS (SILT SACKS). INSPECT SEDIMENT FILTERS AT LEAST ONCE PER WEEK AND WITHIN 24 HOURS AFTER RAINFALL THAT PRODUCES RUNOFF.
9. CLEAN OR REPLACE FILTERS WITHIN 24 HOURS OF INSPECTION WHEN SEDIMENT REACHES ONE HALF OF THE FILTER SACK DEPTH. CATCH BASINS SHALL BE PROTECTED BY SEDIMENT FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SUMPS SHALL BE CLEANED WHENEVER SEDIMENT HAS ACCUMULATED TO A DEPTH OF 24 INCHES AND IMMEDIATELY FOLLOWING INSTALLATION OF PERMANENT PAVEMENT.
10. THE CONTRACTOR SHALL MAINTAIN AN ADEQUATE STOCKPILE OF EROSION CONTROL MATERIALS ON-SITE AT ALL TIMES FOR EMERGENCY OR ROUTINE REPLACEMENT AND SHALL INCLUDE MATERIALS TO REPAIR OR REPLACE SILT FENCE, MULCH SOCK, STONE FILTER DIKES OR ANY OTHER DEVICES PLANNED FOR USE DURING CONSTRUCTION.
11. THE CONTRACTOR IS TO INSPECT ALL CONTROLS NO LESS THAN WEEKLY, AND IN ANTICIPATION OF RAINFALL EVENTS EXPECTED TO EXCEED 1/2 INCH IN DEPTH. ALL DEFICIENCIES NOTED DURING SAID INSPECTION SHALL BE REPAIRED IMMEDIATELY AND IN NO CASE SHALL A DEFICIENCY BE ALLOWED TO GO UNCORRECTED DURING A RAINFALL EVENT. THE EROSION CONTROL DEVICES SHALL BE MAINTAINED, REINFORCED, OR REPLACED IF NECESSARY. ALL ACCUMULATED SEDIMENTS AND OTHER MATERIALS COLLECTED BY THE SEDIMENTATION CONTROL SYSTEMS SHALL BE REMOVED AS NECESSARY TO INSURE PROPER FUNCTION OF SYSTEMS AND DISPOSED OF IN A MANNER THAT IS CONSISTENT WITH THE INTENT OF THIS PLAN, IN AN UPLAND AREA.
12. TEMPORARY EARTH OR STONE DIKES, DRAINAGE SWALES AND/OR TEMPORARY SLOPE DRAINS SHALL BE INSTALLED WHERE OFF-SITE OR ON-SITE RUNOFF IS SUFFICIENT ENOUGH SUCH THAT IT WILL BE NECESSARY TO DIVERT THE FLOW AROUND THE SITE OR PREVENT EROSION WITHIN THE LIMITS OF WORK.
13. STORM DRAIN INLET PROTECTION SHALL BE USED FOR ALL EXISTING AND PROPOSED CATCH BASINS IN THE PROJECT AREA. PRIOR TO COMPLETION OF THE PROJECT, ALL CATCH BASINS WITHIN THE PROJECT AREA SHALL BE CLEANED.
14. ALL DISTURBED EARTH SLOPES AREA TO BE STABILIZED WITH PERMANENT VEGETATIVE COVER, TO BE ESTABLISHED AS SOON AS POSSIBLE. DISTURBED AREAS THAT ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL RECEIVE A PERMANENT OR TEMPORARY VEGETATIVE COVER AS SOON AS FINAL CONTOURS ARE ESTABLISHED. TEMPORARY VEGETATIVE COVER IS TO BE ESTABLISHED ON ALL DISTURBED AREAS WHERE CONSTRUCTION ACTIVITIES WILL NOT REQUIRE ADDITIONAL DISTURBANCE FOR PERIOD OF 30 DAYS OR MORE. IF THE SEASON PREVENTS THE ESTABLISHMENT OF VEGETATIVE COVER, DISTURBED AREAS SHALL BE MULCHED AND THEN SEEDED AS SOON AS WEATHER CONDITIONS ALLOW.
15. THERE SHALL BE NO DIRECT DISCHARGE OF DEWATERING OPERATIONS INTO ANY DRAINAGE SYSTEM UNLESS THIS DISCHARGE IS CLEAN AND FREE OF SETTLEABLE SOLIDS. ANY DEWATERING DISCHARGE CONTAINING SETTLEABLE SOLIDS (SEDIMENTS) SHALL BE PASSED THROUGH A SEDIMENTATION CONTROL DEVICE(FILTER BAG) TO REMOVE THESE SOLIDS. THE CONTRACTOR IS TO MAINTAIN SAID SEDIMENT CONTROL DEVICE THROUGHOUT THE ENTIRE DEWATERING OPERATION AND REPAIR DEFICIENCIES IMMEDIATELY.
16. SOIL STOCKPILE AREAS FOR CONSTRUCTION MATERIALS SHALL BE LOCATED OUTSIDE WETLAND AREAS AND ASSOCIATED BUFFERS.
17. ALL PLANTINGS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AS EARLY AS THE POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION.
18. ALL PLANTINGS SHALL BE WATERED AND MAINTAINED BY THE CONTRACTOR TO ENSURE SURVIVAL.
19. EROSION CONTROL SHALL REMAIN IN PLACE UNTIL THE CERTIFICATE OF COMPLETION IS ISSUED



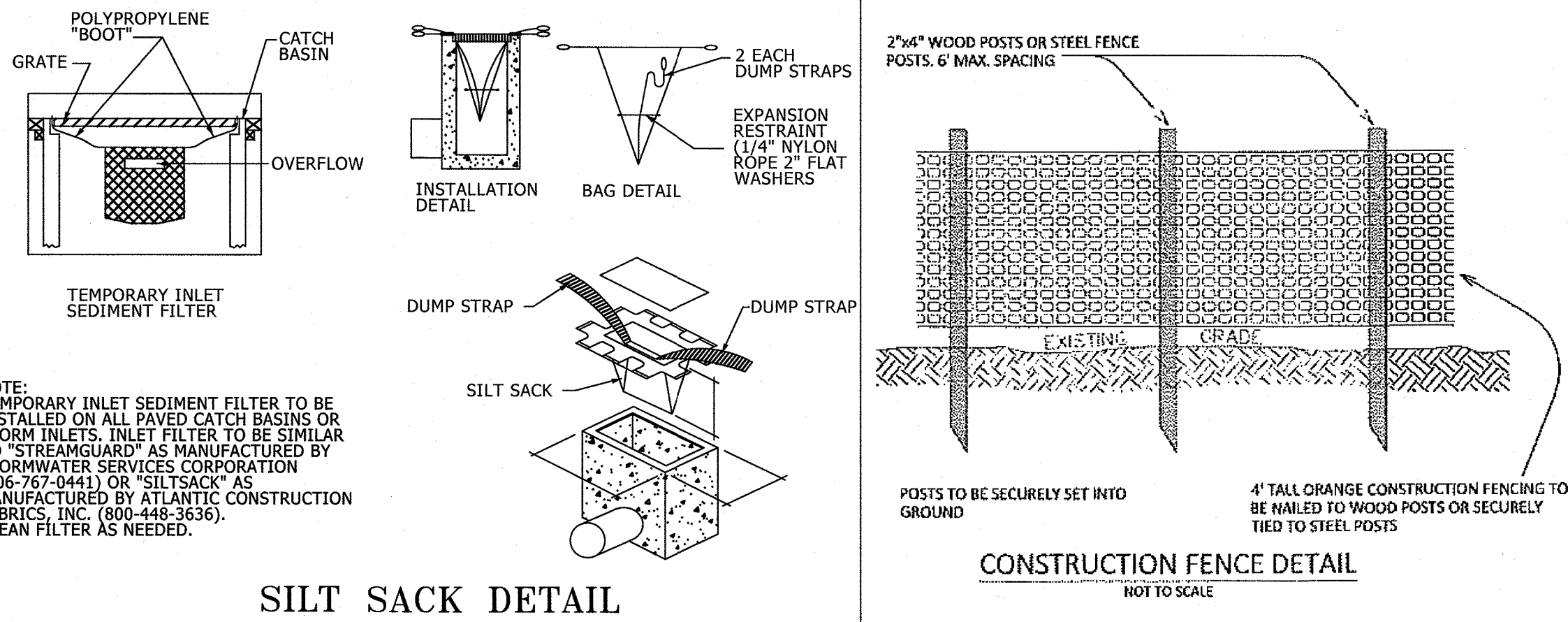
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



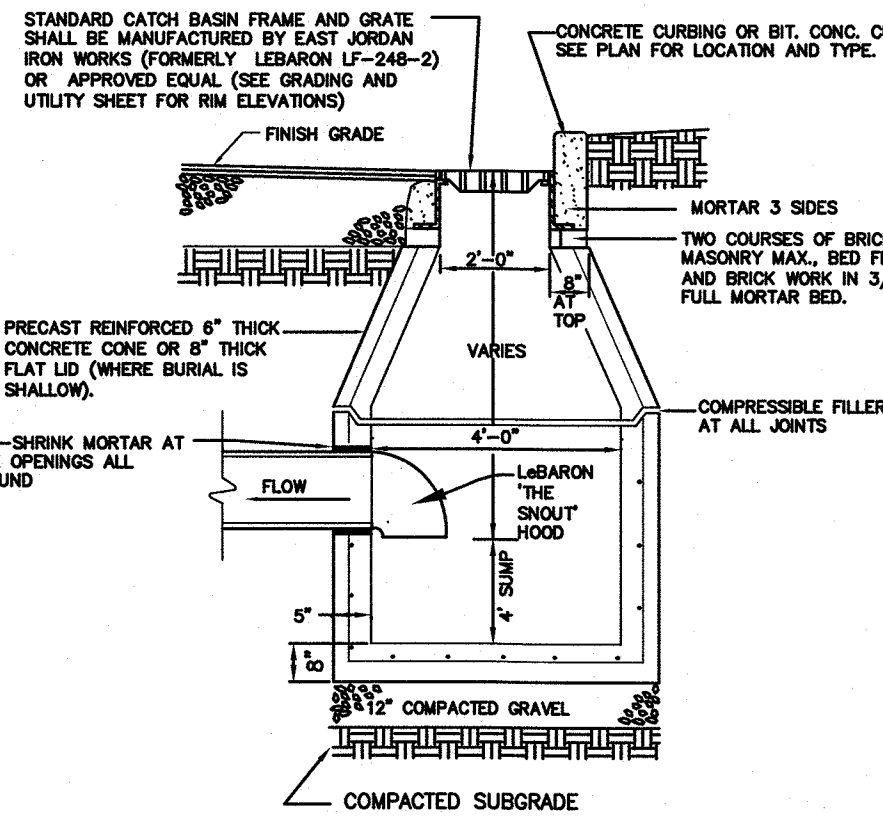
Mulch Sock
N.T.S.



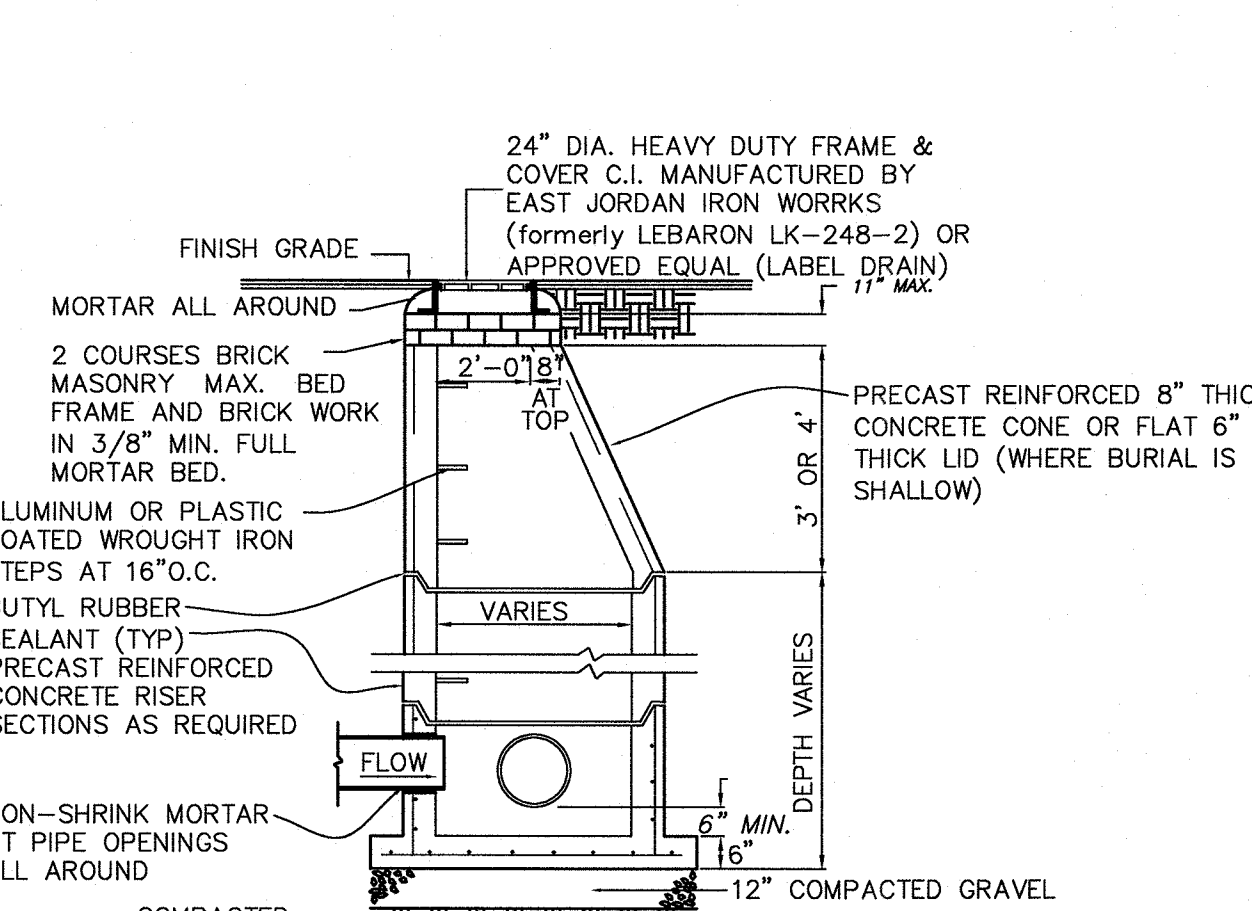
SILT FENCE BARRIER



SILT SACK DETAIL

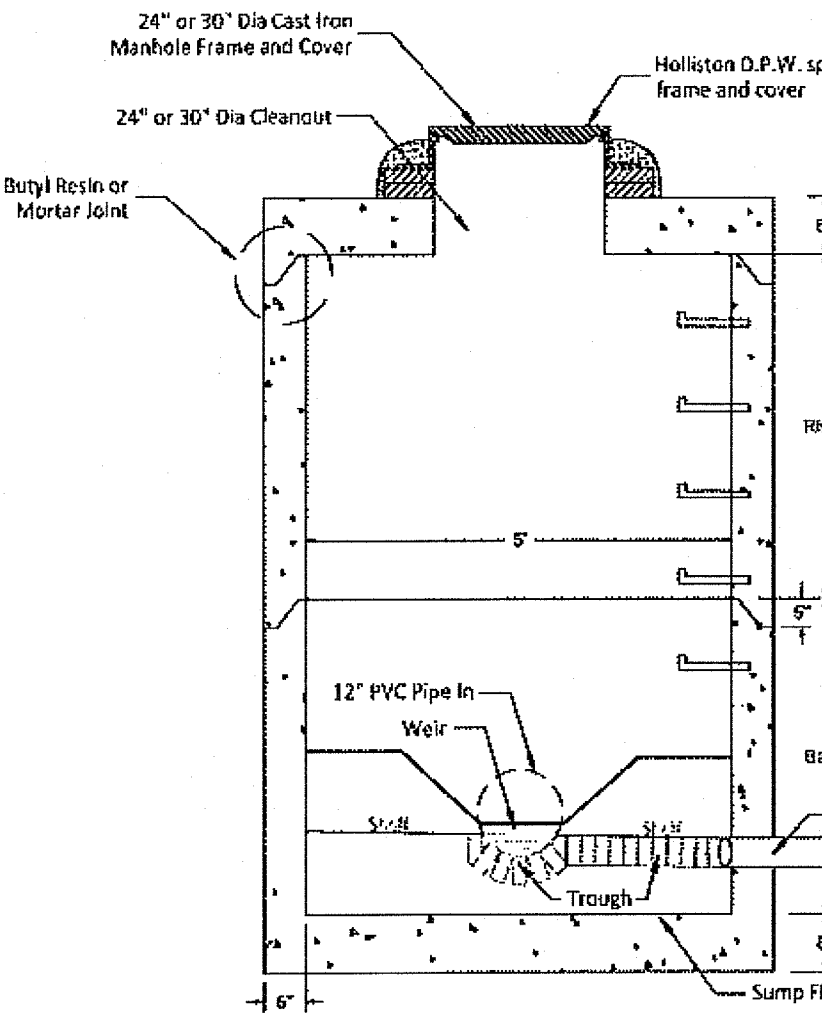
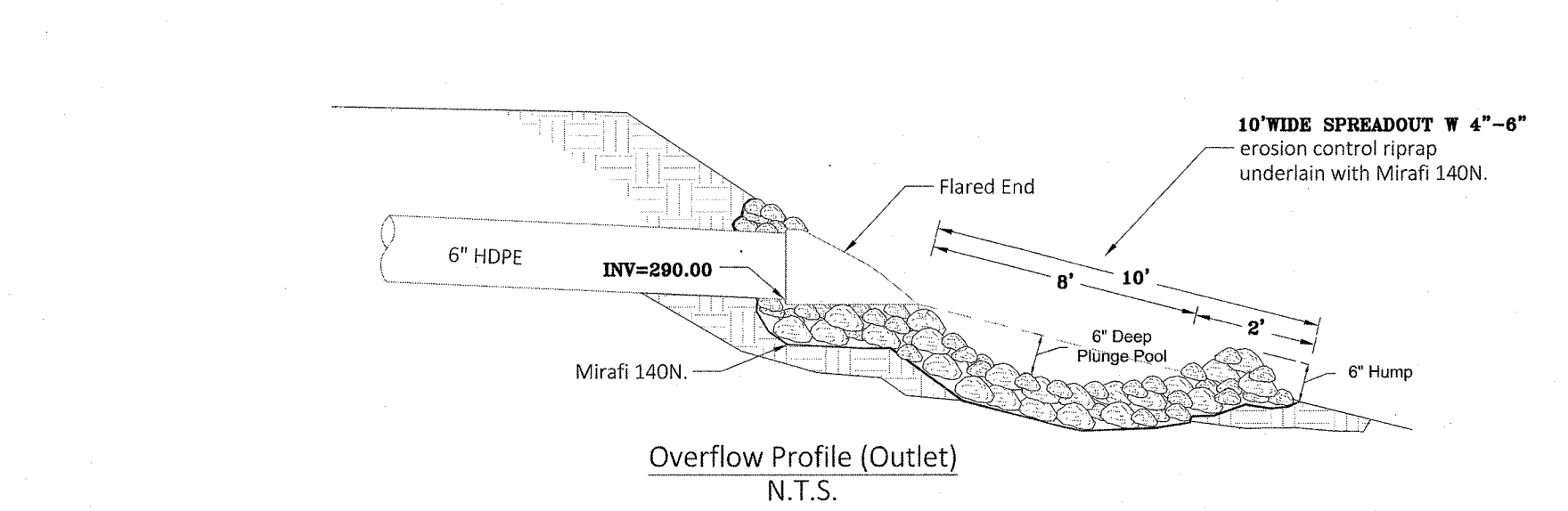


TYP. PRECAST CONCRETE
CATCH BASIN DETAIL
NOT TO SCALE



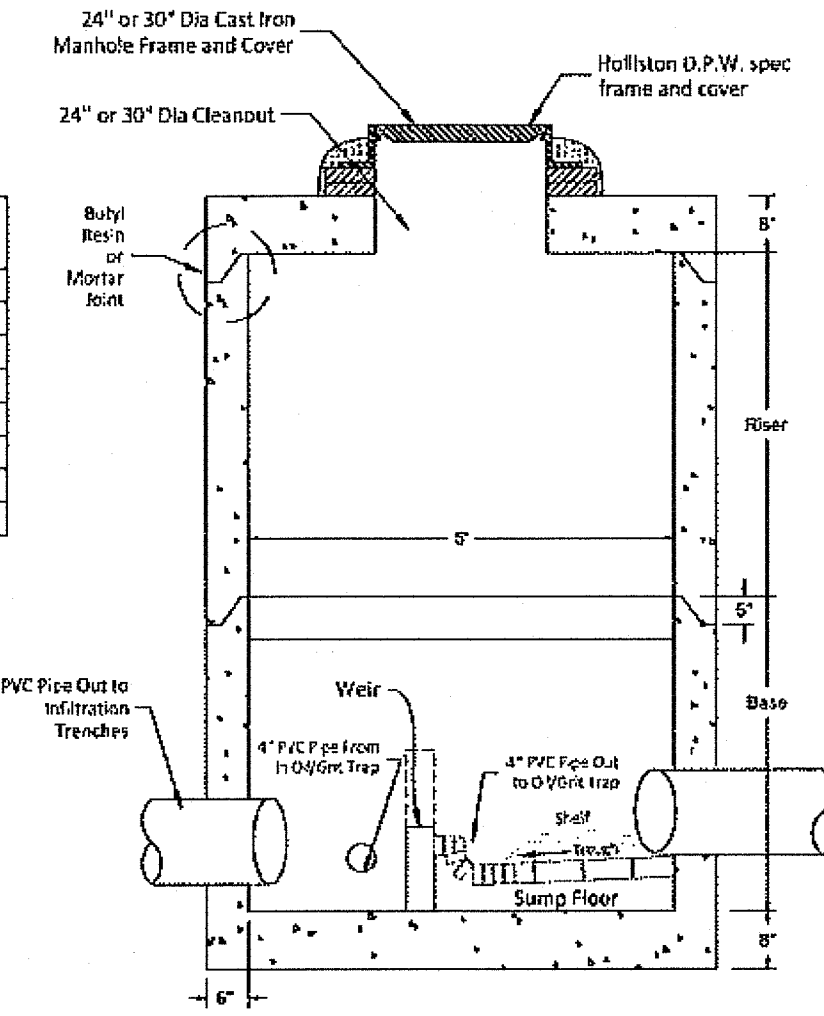
TYP. PRECAST CONCRETE
MANHOLE STORM DRAIN
N.T.S.

NOTE: ALL STRUCTURES SHALL BE SUITABLE FOR H-20 LOADING AND SHALL MEET THE REQUIREMENTS OF ASTM C478 AND OF HOLLISTON SUBDIVISION SECTION 5.3.4

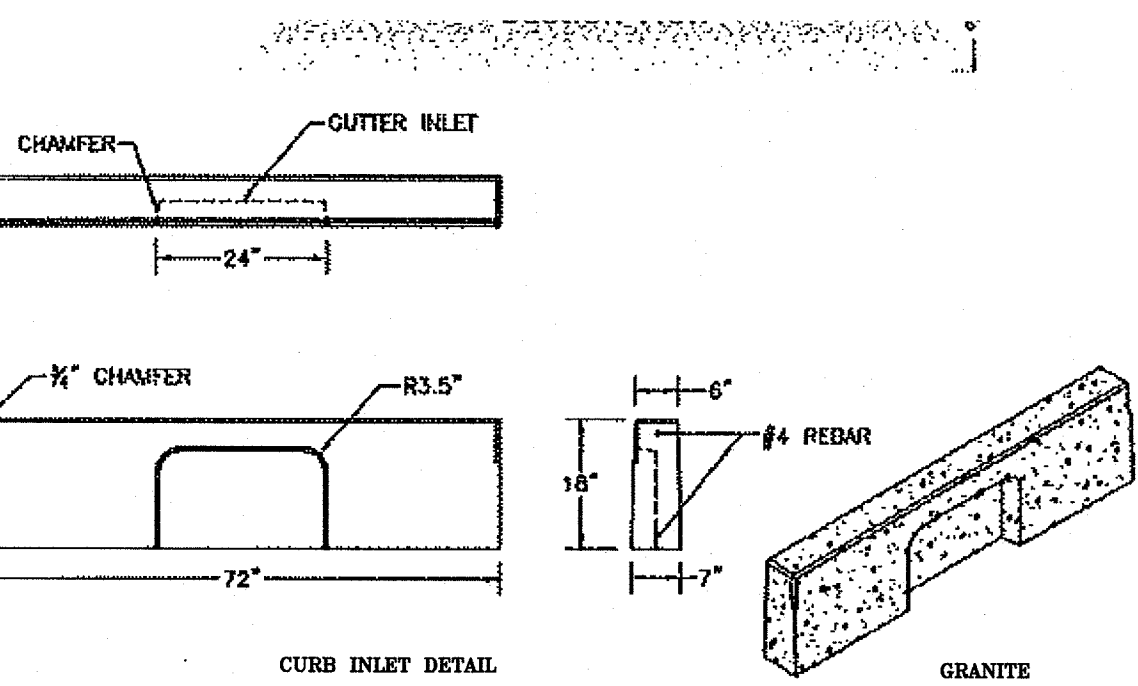


DMH Section A-A (TYP.)
N.T.S.

Distribution Manhole Inverts and Elevations	
Rim	296.70
12" Inv-In	294.40
4" Inv-O	294.30
T.O. Weir	294.70
4" Inv-In	293.90
12" Inv-O	293.80
Sump Floor	293.55
Diameter (Internal)	5 Feet

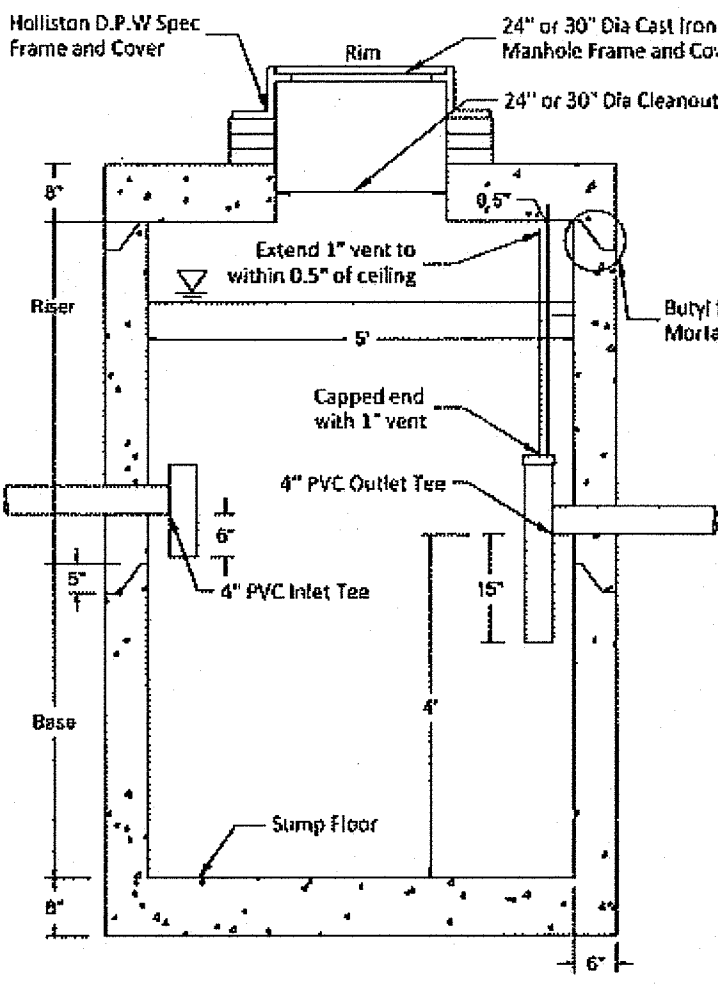


DMH Section B-B (TYP.)
N.T.S.

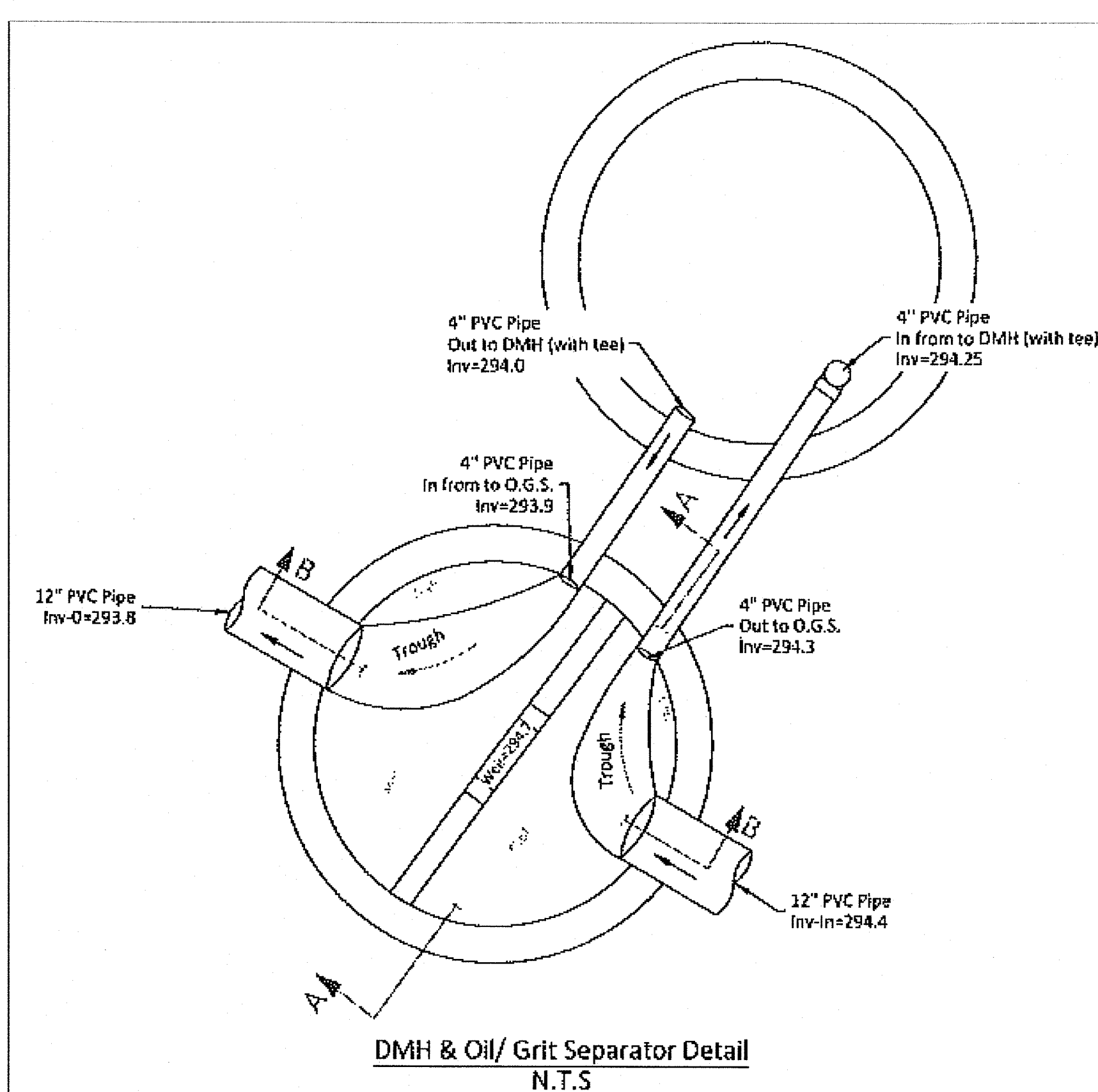


CURB INLET DETAIL

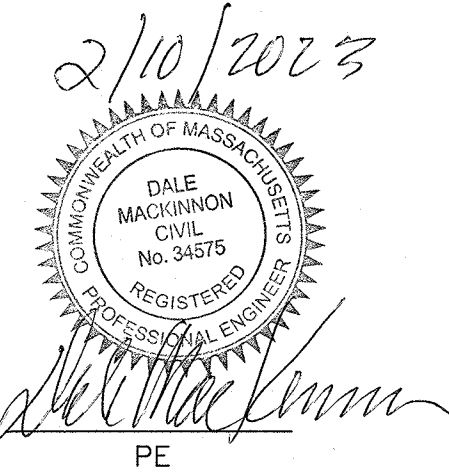
Oil/Grit Separator Inverts and Elevations	
Rim	296.80
4" Inv-In	294.25
4" Inv-O	294.00
Sump Floor	290.00
Oil Trap	15" Below Inv-O
Diameter (Internal)	5 Feet



Oil/Grit Separator (TYP.)
N.T.S.



DMH & Oil/Grit Separator Detail
N.T.S.



G10453

APPROVED DATE:

HOLLISTON PLANNING BOARD

BEING A MAJORITY

OWNER

STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701

DEED BOOK 78369 PAGE 740
A.M. 11 BLOCK 4 LOT 2

APPLICANT

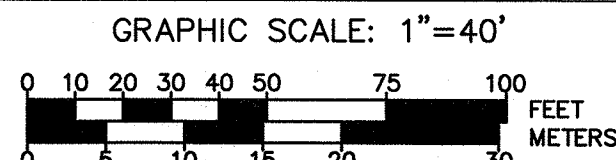
STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701

DEFINITIVE SUBDIVISION
PLAN
THE TRAILS AT JENNINGS HILL
HOLLISTON
MASSACHUSETTS

CONSTRUCTION DETAILS

AUGUST 16, 2022

DATE	REVISION DESCRIPTION
1/5/2023	REVISED FOR PEER REVIEW
2/10/2023	REVISIONS FOR PEER REVIEW



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SHEET

9 OF 10

JOB NO.

G10453

Deep hole observation number: DHTP 1-1 ELEV 284.4, EHGW < 276.4					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-96+	C	M.L.S.	2.5Y6/4	Firm Stony	
					EHGW=8'+

Deep hole observation number: DHTP 1-2 ELEV 286.1, EHGW 277.1					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-108	C	M.L.S.-M.S.	2.5Y6/4	Firm	EHGW=9'

Deep hole observation number: DHTP 1-3 ELEV 283.3, EHGW 274.8					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-106	C	M.L.S.-M.S.	2.5Y6/4	Friable	
					EHGW=8.5'

Deep hole observation number: DHTP 2-1 ELEV 275.5, EHGW 268.8					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-80+	C	M.C.L.S.	2.5Y6/4	Firm Stony	
					EHGW=6.7'

Deep hole observation number: DHTP 2-2 ELEV 277.4, EHGW < 269.4					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-98+	C	M.L.S.-M.S.	2.5Y6/4	Friable	
					EHGW=8'+

Deep hole observation number: DHTP 2-3 ELEV 278.6, EHGW < 270.6					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	S.L.-L.S.	2.5Y6/6	Friable	
24-96+	C	M.L.S.	2.5Y6/4	Friable	
					EHGW=8'+

STM-1 ELEV 297.4, EHGW < 291.4 =BOULDER		Date:	December 7, 2021:		
Depth From Surface(in)	Soil Horizon	Soil Texture	Soil Color	Other	Notes
0-4	A	S.L.	10YR3/2	Friable	
4-18	B	S.L.-L.S.	2.5Y6/6	Friable	
18-72	C1	F.S.	2.5Y6/4	Fri-Loose	
72-84dr	C2	F.M.L.S.	2.5Y5/4	Fri-Firm	
Standing Water(FL): None					
Weeping(FL): None					
Estimated High Water (in):72					

STM-2 ELEV 297.4 EHGW = 290.4		Date:	December 7, 2021:		
Depth From Surface(in)	Soil Horizon	Soil Texture	Soil Color	Other	Notes
0-4	A	S.L.	10YR3/2	Friable	
4-20	B	L.S.	2.5Y6/6	Friable	
20-72	C1	F.S.	2.5Y6/4	Fri-Loose	
72-84	C2	M.L.S.	2.5Y5/4	Fri-Firm	
Standing Water(FL): None					
Weeping(FL): None					
Estimated High Water (in):84					

Deep hole observation number: DHTP 3-1 ELEV 282.6, EHGW < 252.6					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-18	Bw	L.S.	2.5Y6/6	Friable	
18-60	C1	M.F.S.	2.5Y6/6	Friable	
60-72	C2	M.L.S.	2.5Y6/4	Firm	
72-120+	C3	Co.M.S.	2.5Y6/4	Loose	EHGW=10'+

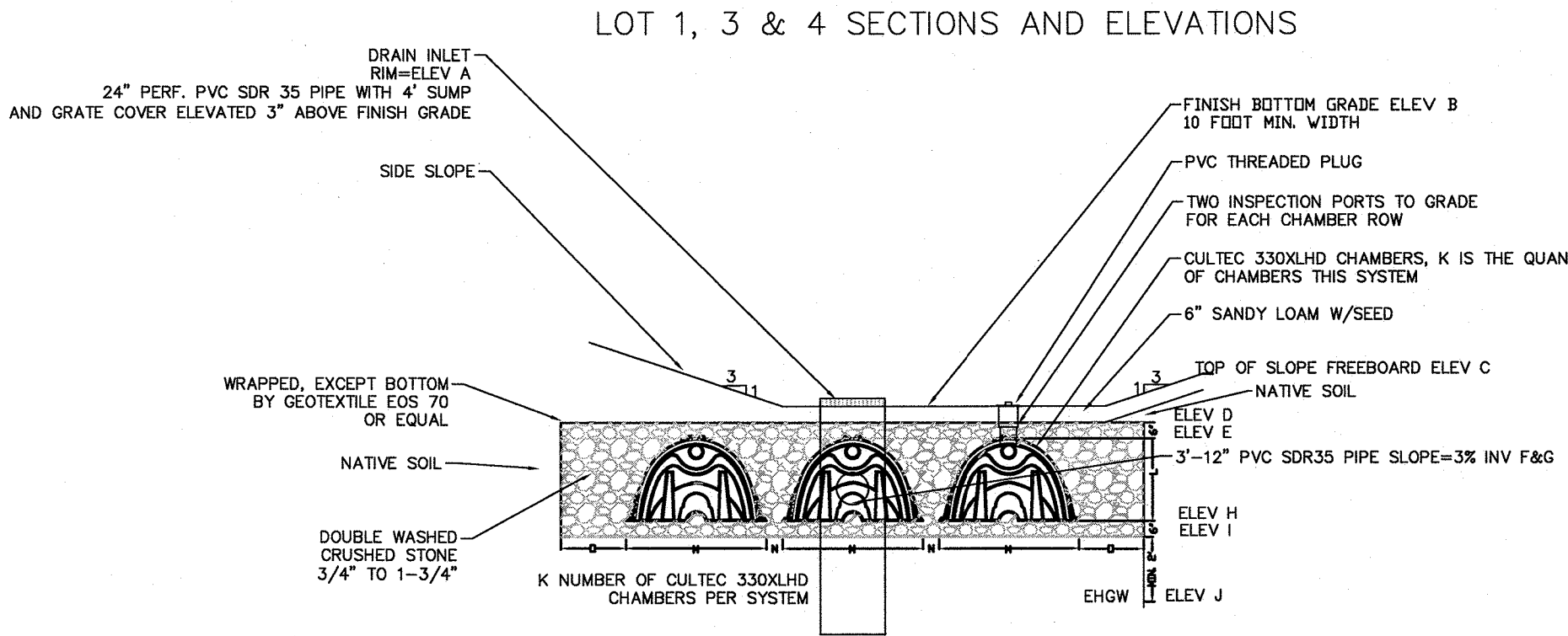
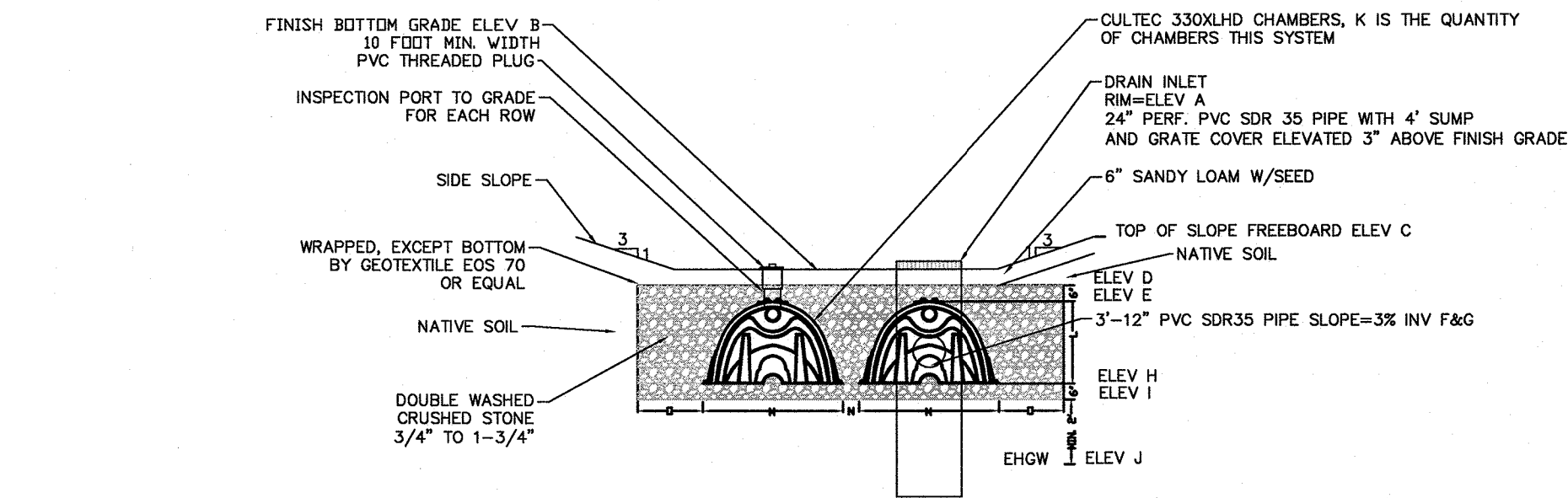
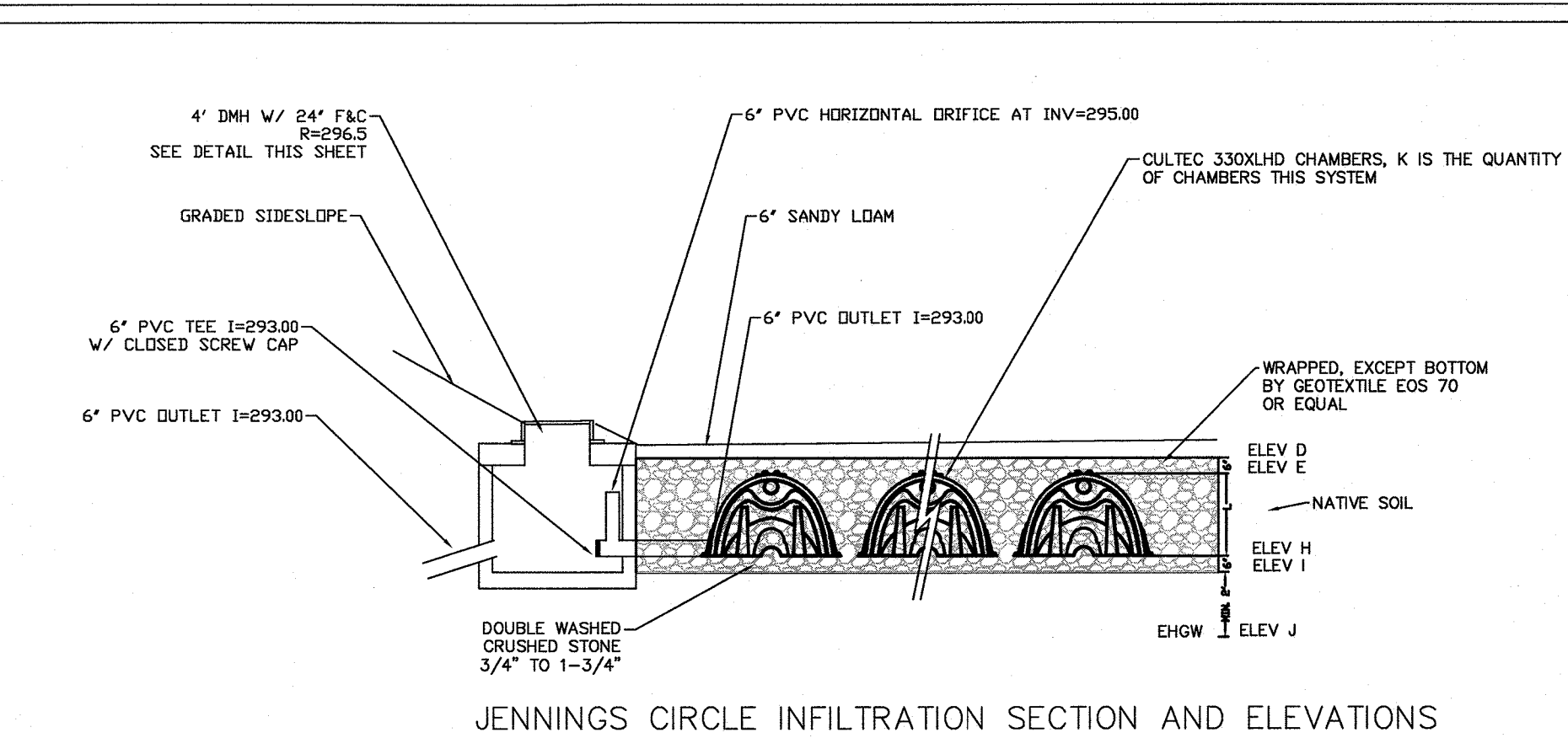
Deep hole observation number: DHTP 3-2 ELEV 283.1, EHGW < 254.1					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-18	B	S.L.-L.S.	2.5Y6/6	Fri-Loose	
18-108	C	M.L.S.-M.S.	2.5Y6/4	Firm-Friable	Stony
					EHGW=9'+

Deep hole observation number: DHTP 3-3 ELEV 258.3, EHGW < 249.3					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/1		
4-36	Bw	L.S.	2.5Y6/6	Friable	
36-108+	C	M.L.S.-M.S.	2.5Y6/4	Friable-Firm	Stony
					EHGW=9'+

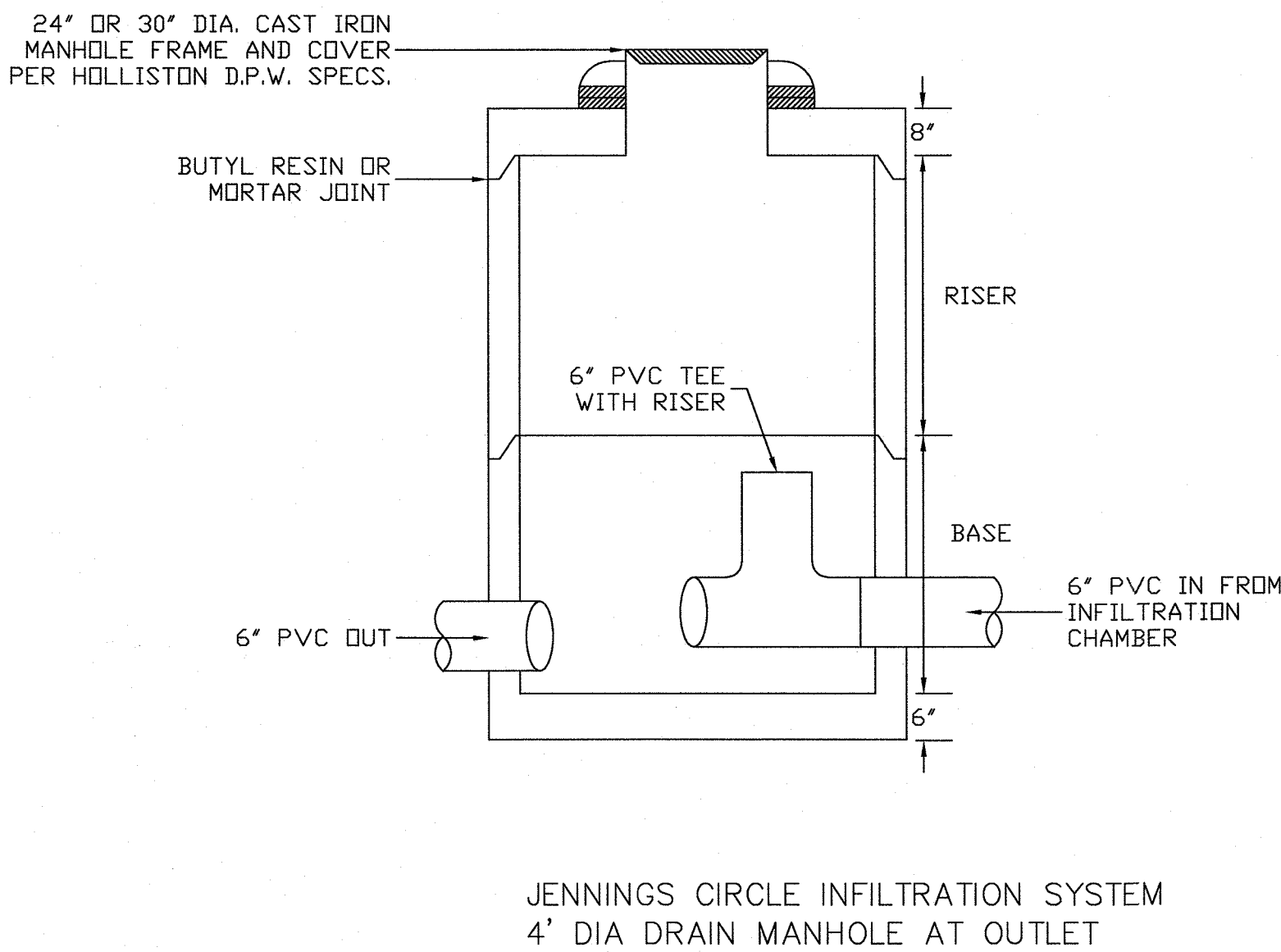
Deep hole observation number: DHTP 4-1 ELEV 274.9, EHGW < 265.9					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR2/1	Friable	
4-24	Bw	L.S.	2.5Y6/6	Fri-Loose	
24-80	C1	F.M.S.	2.5Y6/4	Fri-Loose	
80-108+	C2	M.L.S.	2.5Y5/4	Firm	EHGW=9'+

Deep hole observation number: DHTP 4-2 ELEV 271.9, EHGW < 263.9					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	M.L.S.	2.5Y6/6	Friable	
24-73	C1	M.F.S.	2.5Y6/6	Loose	
73-102+	C2	M.L.S.	2.5Y5/4	Firm	EHGW=8'+

Deep hole observation number: DHTP 4-3 ELEV 271.0, EHGW < 261.0					
Depth (in)	Soil Horizon /Layer	Soil Texture USDA	Soil Matrix Color Moist(Munsell)	Soil Consistence (moist)	Other
0-4	A	S.L.	10YR3/2	Friable	
4-24	B	L.S.	2.5Y6/6	Fri-Loose	
24-84	C1	F.M.S.	2.5Y6/4	Fri-Loose	
84-120+	C2	M.L.S.	2.5Y5/4	Fri-Firm	EHGW=10'+



Infiltration System Elevations and Dimensions					
	Location	ROAD	Lot 1	Lot 2	Lot 3
A	Drain inlet Rim 24" Circular Grate	269.75	291.75	274.75	259.75
B	Finish Grade Elev.	296.5	291.5	274.5	259.5
C	Freeboard Elev.	296.5	292.5	276.3	261.0
D	Top of Stone Elev.	296.0	291.0	274.0	259.0
E	Top of Chamber Elev.	295.5	289.5	272.5	258.5
F	12" PVC Pipe Invert out of Drain Inlet	293.60	287.60	270.60	255.10
G	12" PVC Pipe Invert into Chamber Elev.	293.50	287.50	270.50	255.00
H	Bottom of Chamber Elev.	293.0	287.0	270.0	254.5
I	Bottom of Stone Elev.	292.4	286.5	269.5	254.0
J	Est High Ground Water Elev.	290.4	283.0	266.0	252.0
K	Number of 330XLHD Cultec Chambers	30.0	26.0	48.0	26.0
L	Chamber Height	30.5"	30.5"	30.5"	30.5"
M	Chamber Width	52"	52"	52"	52"
N	Dimension Width Between Chambers	6"	6"	6"	6"
O	Stone Perimeter Width Outside Chambers	24"	24"	24"	24"



GRASS CHANNELS CONVEY AND TREAT STORMWATER.

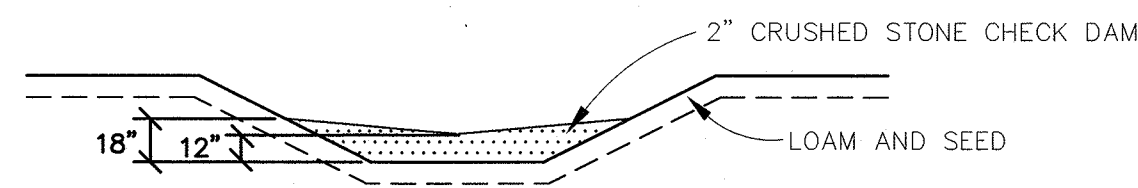
EACH LOT INFILTRATION SYSTEM HAS A GRASS SLOPE BETWEEN THE GRASS SWALES ALONG THE DRIVEWAYS AND THE INFILTRATION SYSTEM TO PROVIDE 50% TSS REMOVAL FOR WATER QUALITY. INSTALL A STONE CHECK DAM JUST BEFORE THE START OF THE GRASS CHANNEL TO PROVIDE A PRETREATMENT FOREBAY.

THE GRASS CHANNELS ARE A MINIMUM 2 FOOT WIDE, 1 FOOT DEEP, WITH A FLAT CROSS SECTION, DESIGNED FOR THIS SITE WITH A 1% SLOPE, MINIMUM LENGTH OF 40 FEET, AND MAXIMUM 3 TO 1 SIDESLOPES. STABILIZE THE CHANNEL AFTER IT IS SHAPED BEFORE PERMANENT TURF IS ESTABLISHED, USING EROSION CONTROL BLANKETS.

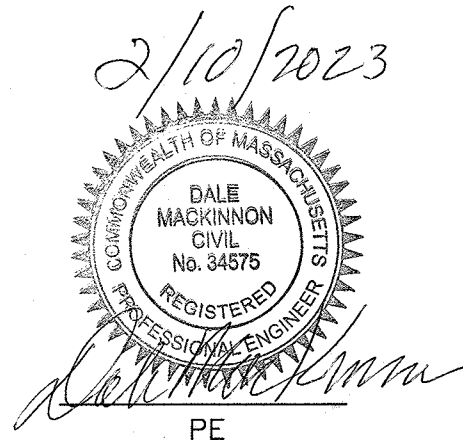
THE SOILS OF THESE GRASS CHANNELS CAN BE NATIVE MATERIAL OF THIS SITE MIXED WITH AN ORGANIC CONTENT OF 10% TO 20% TO PROVIDE A DENSE GRASS STAND.

THE GRASS SEED SELECTION SHOULD PRODUCE A FINE, UNIFORM AND DENSE COVER THAT CAN WITHSTAND VARYING MOISTURE CONDITIONS. THE GRASS SELECTION WILL NEED TO ALSO BE SALT TOLERANT TO WITHSTAND WINTER DEICING OF THE DRIVEWAY. IN THE SPRING REPLANT ANY AREAS WHERE GRASSES DIED OFF DUE TO DEICING. BASED ON INSPECTION, PLANT AN ALTERNATIVE GRASS SPECIES IF THE ORIGINAL GRASS COVER HAS NOT BEEN SUCCESSFULLY ESTABLISHED

REMOVE SEDIMENT FROM GRASS CHANNEL ANNUALLY, MOW ONCE A MONTH DURING GROWING SEASON.



CHECK DAM IN DRAINAGE SWALE
NOT TO SCALE:



APPROVED DATE:

HOLLISTON PLANNING BOARD

BEING A MAJORITY

OWNER

STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701
DEED BOOK 78369 PAGE 740
A.M. 11 BLOCK 4 LOT 2

APPLICANT

STARR CONSTRUCTION, INC.
815 EDMANDS ROAD
FRAMINGHAM, MASS. 01701

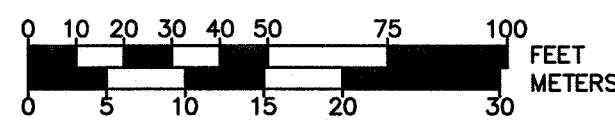
DEFINITIVE SUBDIVISION PLAN THE TRAILS AT JENNINGS HILL HOLLISTON MASSACHUSETTS

CONSTRUCTION DETAILS

AUGUST 16, 2022

DATE	REVISION DESCRIPTION
1/5/2023	REVISED FOR PEER REVIEW
2/10/2023	REVISIONS FOR PEER REVIEW

GRAPHIC SCALE: 1"=40'



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10 OF 10

JOB NO.

G10453