

"SETTLER'S GLEN"

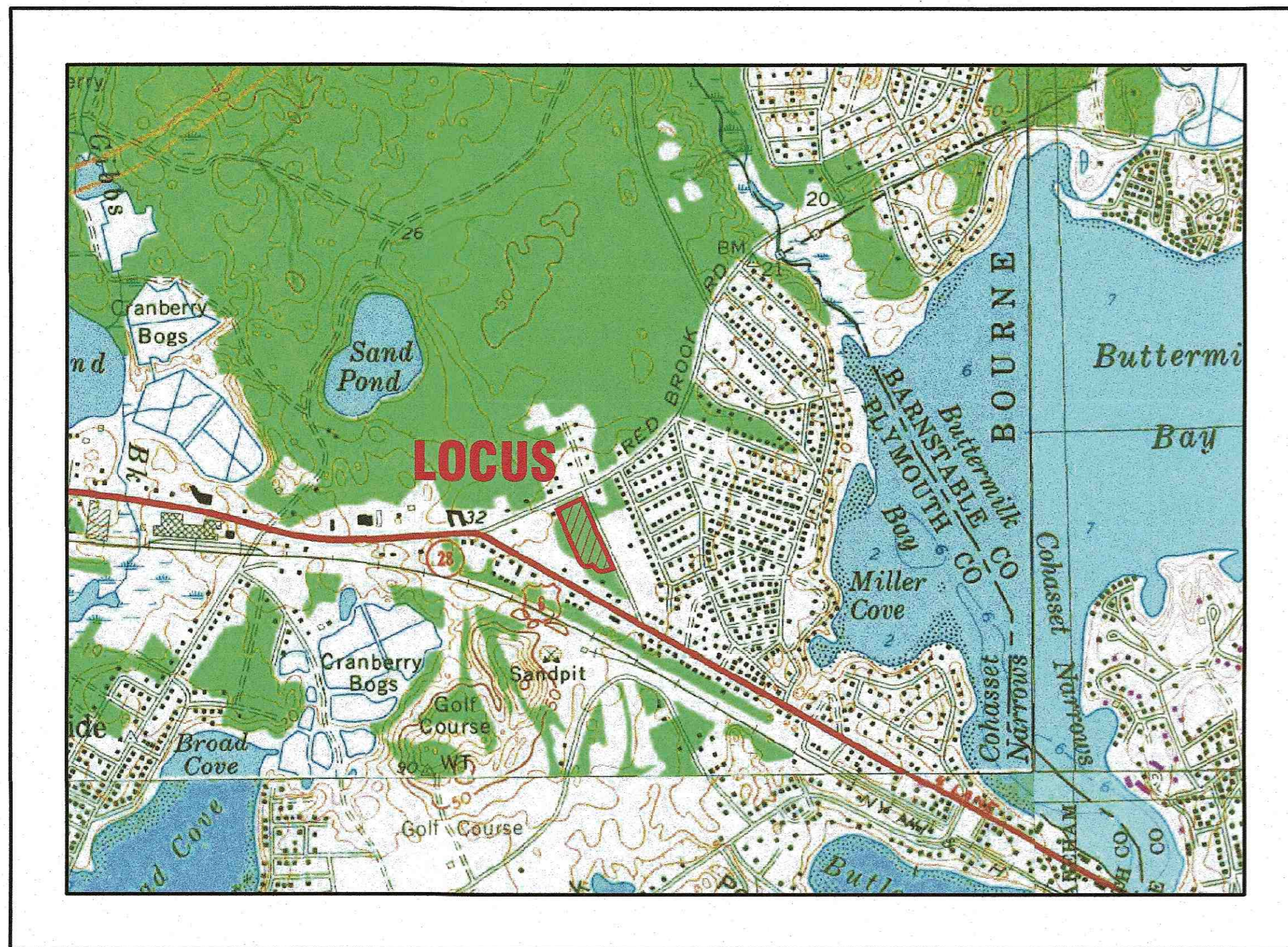
COMPREHENSIVE PERMIT PLAN

RED BROOK ROAD

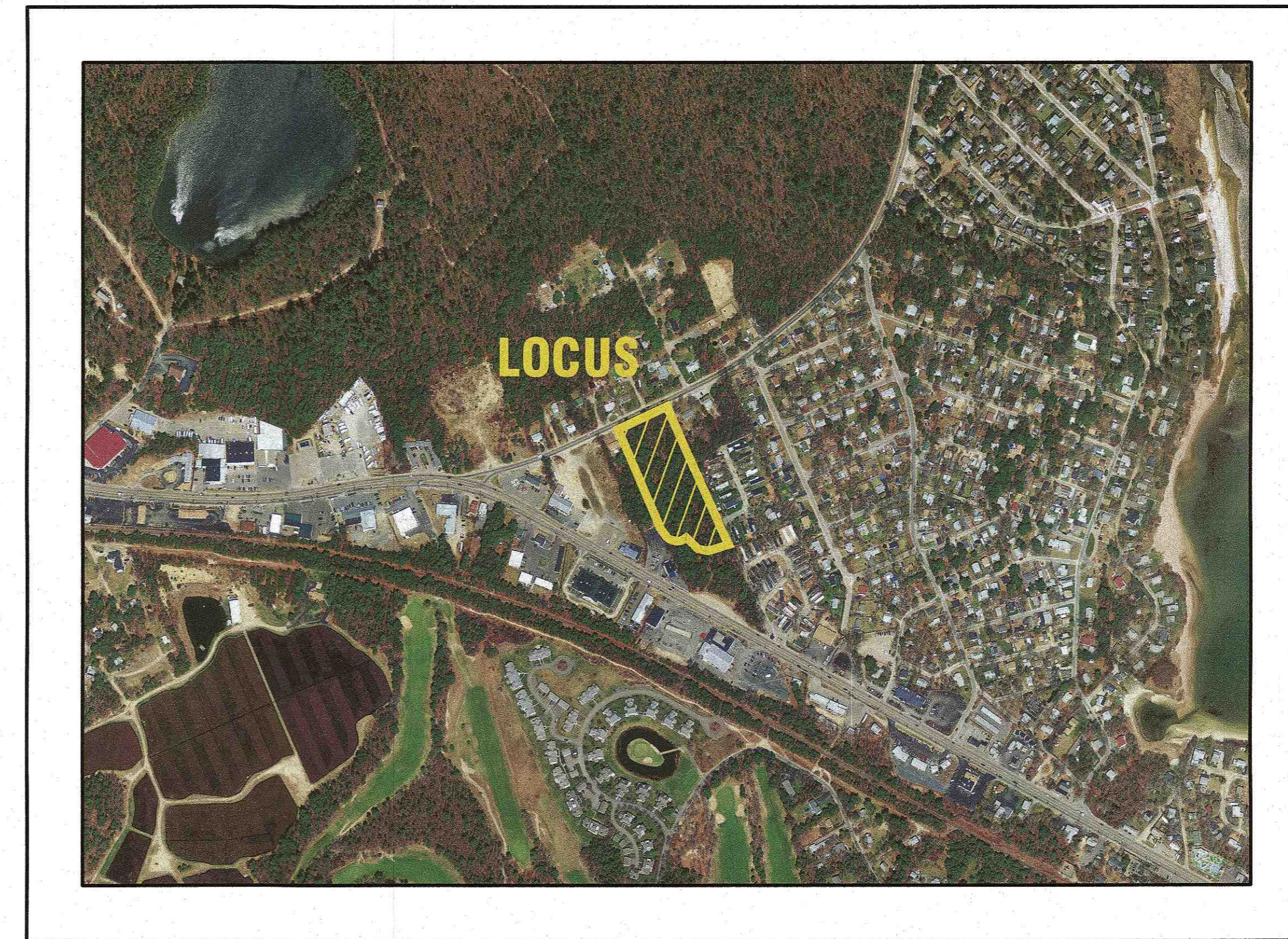
WAREHAM, MASSACHUSETTS

OWNER: SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4
 PLYMOUTH, MA 02360

APPLICANT: SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4
 PLYMOUTH, MA 02360



— U.S.G.S. LOCUS PLAN —
 SCALE: 1"=1000'



— AERIAL OVERVIEW —
 SCALE: 1"=500'

SITE DATA:

ASSESSORS MAP: 8 / LOT 1007C
 ADDRESS: RED BROOK ROAD

ZONING DISTRICT: MULTIPLE RESIDENCE 30 (MR-30)

OVERLAY DISTRICT: GROUND WATER PROTECTION OVERLAY DISTRICT

WATER SUPPLY: TOWN WATER
 SANITARY SEWER: TOWN SEWER

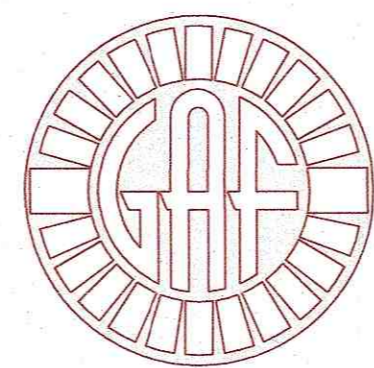
ZONING DATA:

ZONING DISTRICT	MR-30	MR-30	PROVIDED
	(1 FAMILY DWELLING)	(2 FAMILY DWELLING)	
MIN. LOT AREA:	30,000 S.F.*	45,000 S.F.*	156,708 S.F.
MIN. FRONTAGE:	150'	200'	247.66'
MIN. FRONT SETBACK:	20'	20'	21'
MIN. SIDE SETBACK:	10'	10'	16'
MIN. REAR SETBACK:	10'	10'	110'
MAX. BLDG. HEIGHT:	35'	35'	REFER TO PLANS BY OTHERS
MAX. BLDG. COVERAGE:	25%	25%	19.9%
MAX. IMPERV. COVERAGE:	NR	NR	43.2%

* (80% OF THE MINIMUM REQUIRED LOT AREA MUST BE CONTIGUOUS UPLAND)

FLOOD ZONE DATE:

THE PROJECT IS LOCATED WITHIN FLOOD ZONE X. REFER TO THE F.E.M.A. FLOOD INSURANCE RATE MAP PANEL NUMBER 25023C0494J, DATED JULY 17, 2012.



G. A. F. ENGINEERING, INC.
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 266 MAIN STREET, WAREHAM, MA 02571
 TEL: (508) 295-6600 FAX: (508) 295-6634
 E-MAIL: info@gafenginc.com

JANUARY 12, 2021

PLAN INDEX:

SHEET NO.:	DESCRIPTION:
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	EXISTING CONDITIONS PLAN
4	OVERVIEW PLAN
5	LAYOUT & UTILITIES
6	GRADING & DRAINAGE
7	PLAN & ROADWAY PROFILE-1
8	PLAN & ROADWAY PROFILE-2
9	DETAIL SHEET 1
10	DETAIL SHEET 2
11	DETAIL SHEET 3
LSP-1	LANDSCAPE PLAN

PARKING DATA:

REQUIRED: 2 PARKING SPACES FOR EACH DWELLING UNIT
 20 DWELLING UNITS=40 PARKING SPACES
 TOTAL REQUIRED=40 PARKING SPACES

PROVIDED:
 40 PARKING SPACES
 20 (2) CAR GARAGES=40 PARKING SPACES
 TOTAL PROVIDED=80 PARKING SPACES

DATE	REV.	DATE	BY	DESCRIPTION
JAN. 12, 2021	1	4/26/21	JMP	NO CHANGES THIS SHEET
	2	5/11/21	JMP	NO CHANGES THIS SHEET
	3	8/31/21	WFM	OWNER & STREET NAME CHANGE
	4	12/1/21	JMP	ONSET WATER DEPARTMENT COMMENTS
	5	2/22/22	JMP	NO CHANGES THIS SHEET

DATE: JAN. 12, 2021
 DRAWN BY: JMP
 CHECKED BY: WFM
 JOB NO.: 18-9247
 SCALE: AS NOTED

APPROVED BY: [Signature]
 [Professional Engineer Seal]

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PREPARED FOR:
SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4
 PLYMOUTH, MA

JOB NO.: 18-9247
 DWG. 1 OF 11

PERMIT SET
 (NOT FOR CONSTRUCTION)

GENERAL NOTES:

- 1. ALL UNDERGROUND UTILITIES SHOWN OR NOT SHOWN WERE COMPILED ACCORDING TO AVAILABLE RECORD PLANS AND IN PART FROM FIELD SURVEY AND ARE APPROXIMATE ONLY. ACTUAL LOCATIONS MUST BE DETERMINED IN THE FIELD, BEFORE EXCAVATING, BLASTING, INSTALLING, GRADING, PAVEMENT RESTORATION, OR REPAIRING...

CONSTRUCTION NOTES:

- 1. IN GENERAL, THE PLANS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EVERY FITTING, CHANGE IN DIRECTION OR DETAIL OF CONSTRUCTION.

Table with columns: PURE PERCENT, SEED. Lists seed types like CREEPING RED FESCUE, PERENNIAL RYEGRASS, etc.

- 13. ALL SEWER AND PLUMBING WORK SHALL CONFORM WITH 248 CMR 10.00 UNIFORM STATE PLUMBING CODE AND THE TOWN OF WAREHAM SEWER DEPARTMENTS SPECIFICATIONS.

EROSION CONTROL NOTES:

- 1. THE SITE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING SUITABLE EROSION AND SEDIMENTATION CONTROL DEVICES ON SITE DURING CONSTRUCTION AS REQUIRED TO PREVENT SILT FROM LEAVING THE SITE...

DRAINAGE OPERATION AND MAINTENANCE SCHEDULE:

THE OPERATION AND MAINTENANCE (O&M) SCHEDULE DURING THE CONSTRUCTION PERIOD IS THE RESPONSIBILITY OF THE CONTRACTOR. THE OUTLINE BELOW SHALL BE FOLLOWED TO ENSURE THE PROPER CONSTRUCTION AND FUNCTION OF THE DRAINAGE FACILITIES.

- 1. IN CONJUNCTION WITH THE SITE CONSTRUCTION, ALL DRAINAGE STRUCTURES SHALL BE INSTALLED AND THE AFFECTED AREAS STABILIZED (LOAM AND SEED, HYDROSEED, PLANTED, RIP-RAP, ETC.). PERMANENT STABILIZATION OF THESE AREAS SHALL BE STARTED AS SOON AS POSSIBLE.

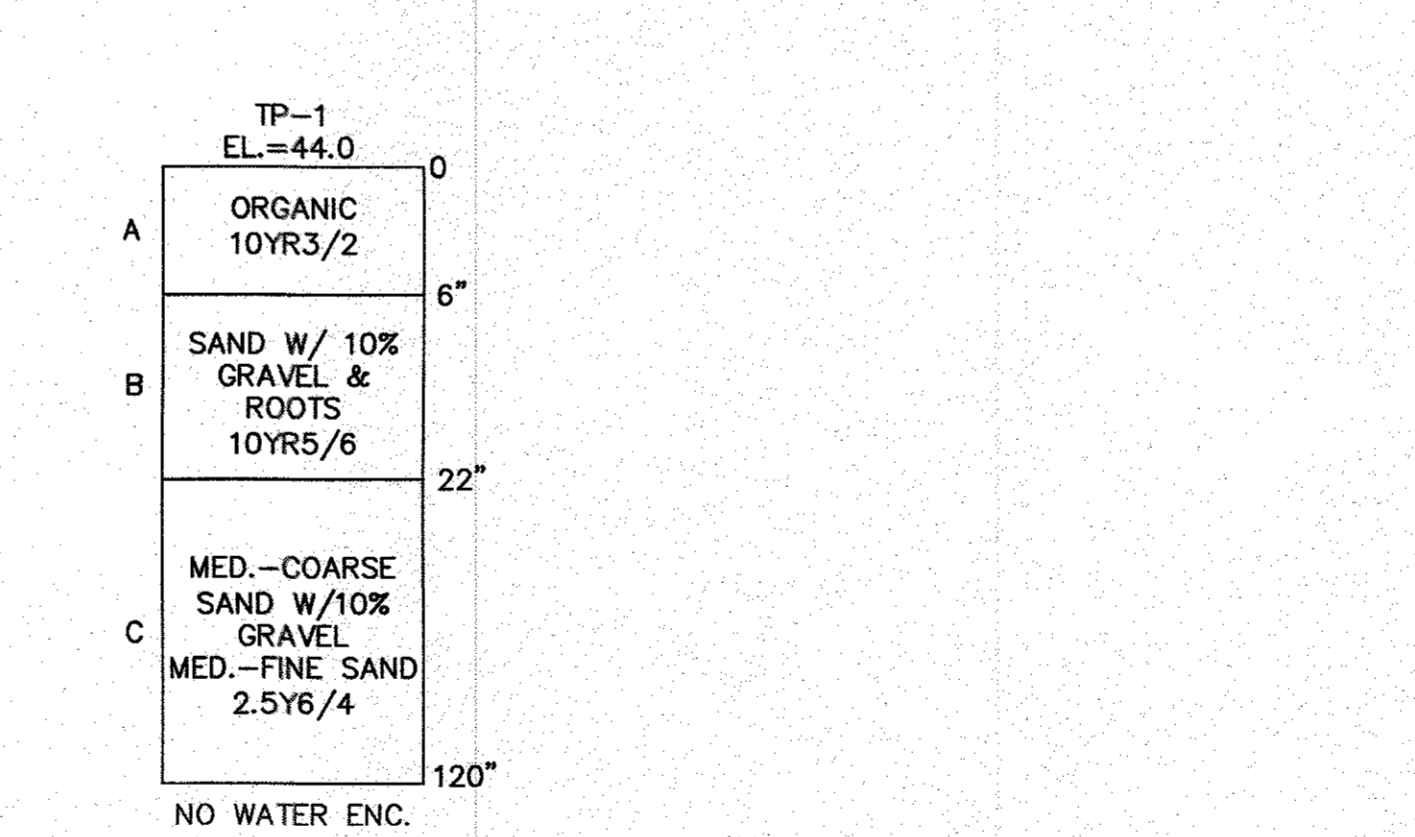
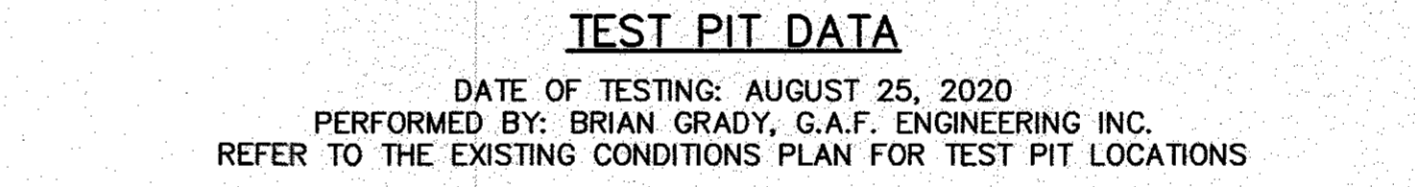
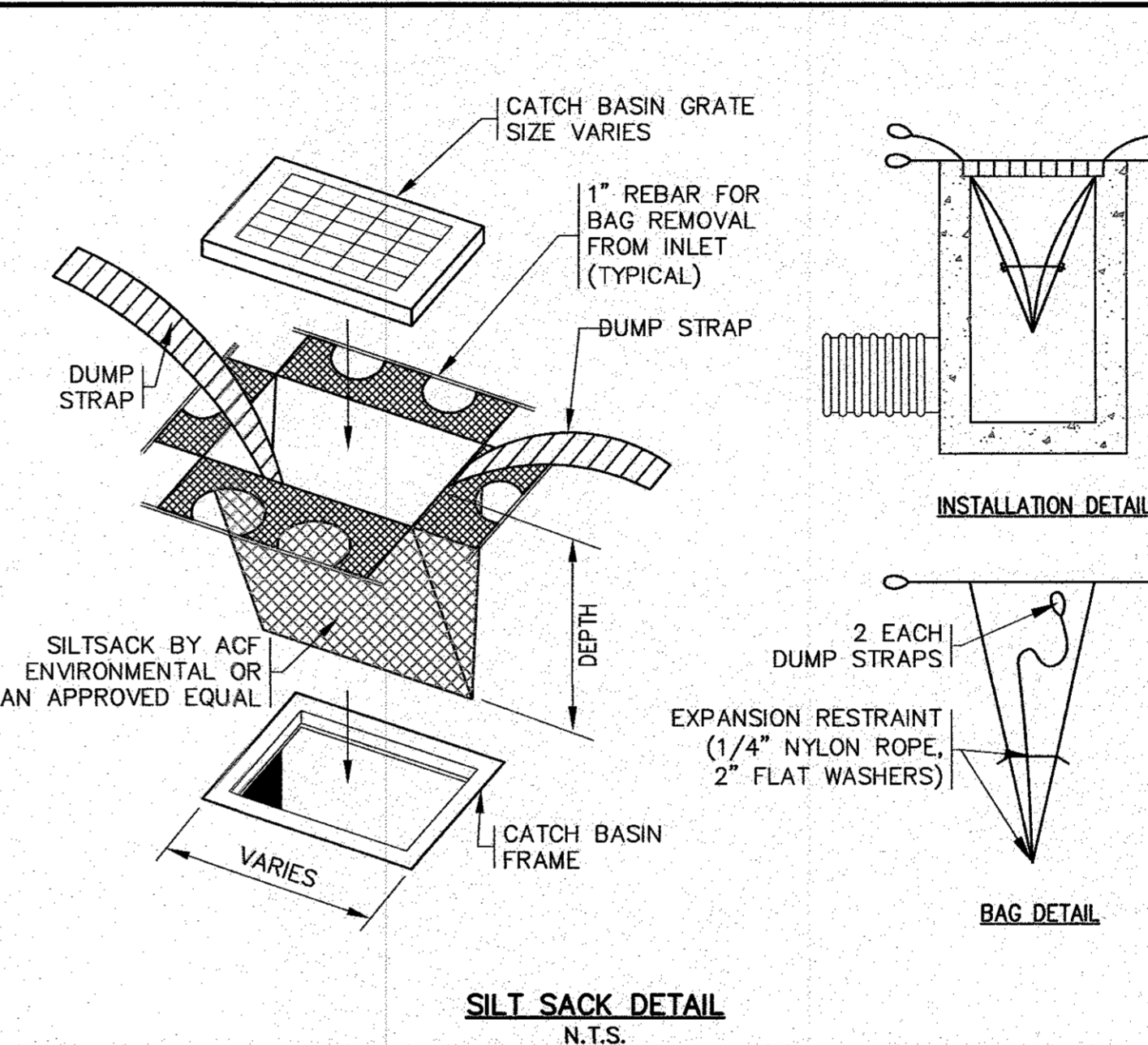
POST-CONSTRUCTION OPERATION AND MAINTENANCE PLAN:

UPON THE COMPLETION OF CONSTRUCTION, MAINTENANCE SHALL BE CONDUCTED BY THE OWNER OR OWNER'S AGENT ON THE SITE. THE FOLLOWING SHALL BE CARRIED OUT BY THE RESPONSIBLE PARTY AND SHALL BE ADHERED TO ENSURE THE PROPER OPERATION OF THE DRAINAGE FACILITIES.

- 1. STREET SWEEPING IS AN EFFECTIVE NONSTRUCTURAL SOURCE CONTROL THAT WILL REMOVE SEDIMENT FROM PAVED SURFACES. STREET SWEEPING SHOULD BE DONE BY THE USE OF A HIGH EFFICIENCY VACUUM SWEEPER OR REGENERATIVE AIR SWEEPER.

WATER INSTALLATION NOTES:

- 1. ALL WATER MAINS, SERVICES, GATE VALVES/GATE BOX, CURB STOPS, HYDRANTS, FITTINGS, ETC. & METHOD OF INSTALLATION SHALL CONFORM TO THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENTS RULES & REGULATIONS.



PERMIT SET (NOT FOR CONSTRUCTION)

ABBREVIATIONS

Table of abbreviations: AC ASBESTIC CONCRETE, ADS ADVANCED DRAINAGE SYSTEM, BIT. CONC. BITUMINOUS CONCRETE, etc.

Table with columns: DATE, DRAWN BY, CHECKED BY, JOB NO., SCALE, REV. Includes revision history table.

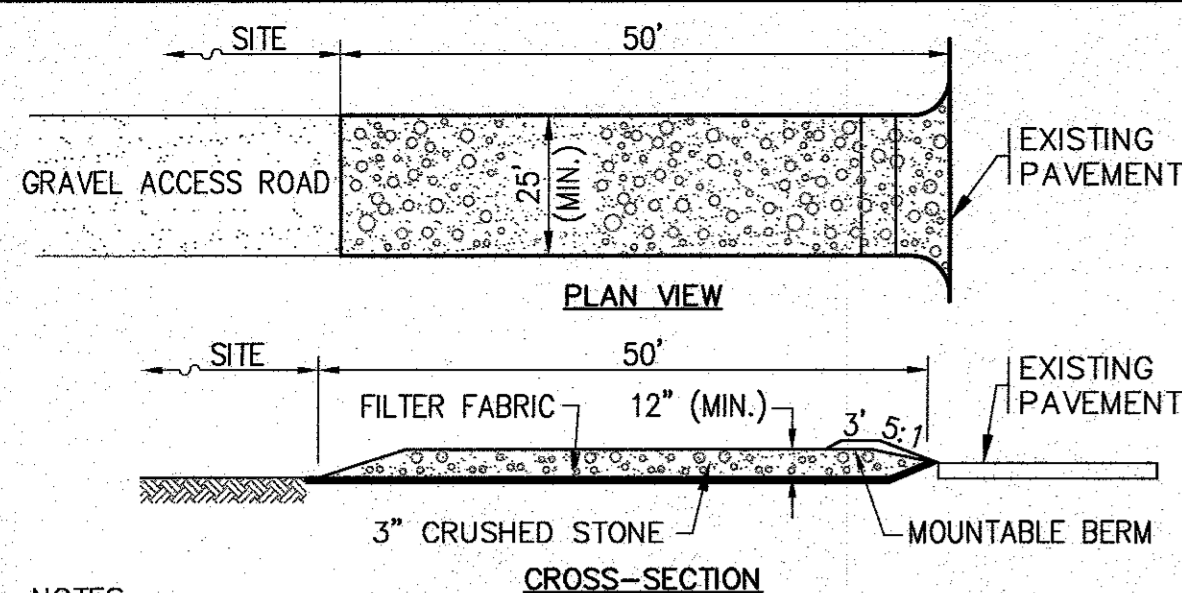
APPROVED BY: [Signature] G.A.F. ENGINEERING, INC. PROFESSIONAL ENGINEERS & LAND SURVEYORS

LEGEND table listing symbols for EXISTING and PROPOSED features: CONTOURS, SPOT GRADES, WETLANDS, FLOOD ZONE, DRAIN LINE, etc.

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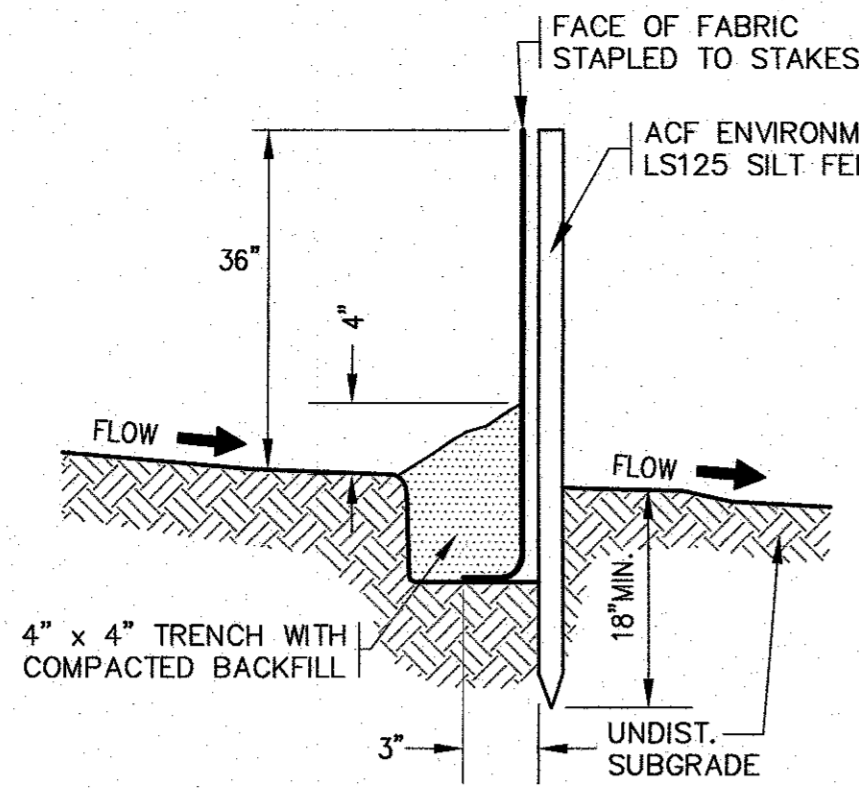
SETTLER'S GLEN, LLC. 20 NORTH PARK AVE., SUITE 4 PLYMOUTH, MA. JOB NO.: 18-9247. DWG. 2 OF 11

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- NOTES:**
- ENTRANCE WIDTH SHALL BE 25 FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.

TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

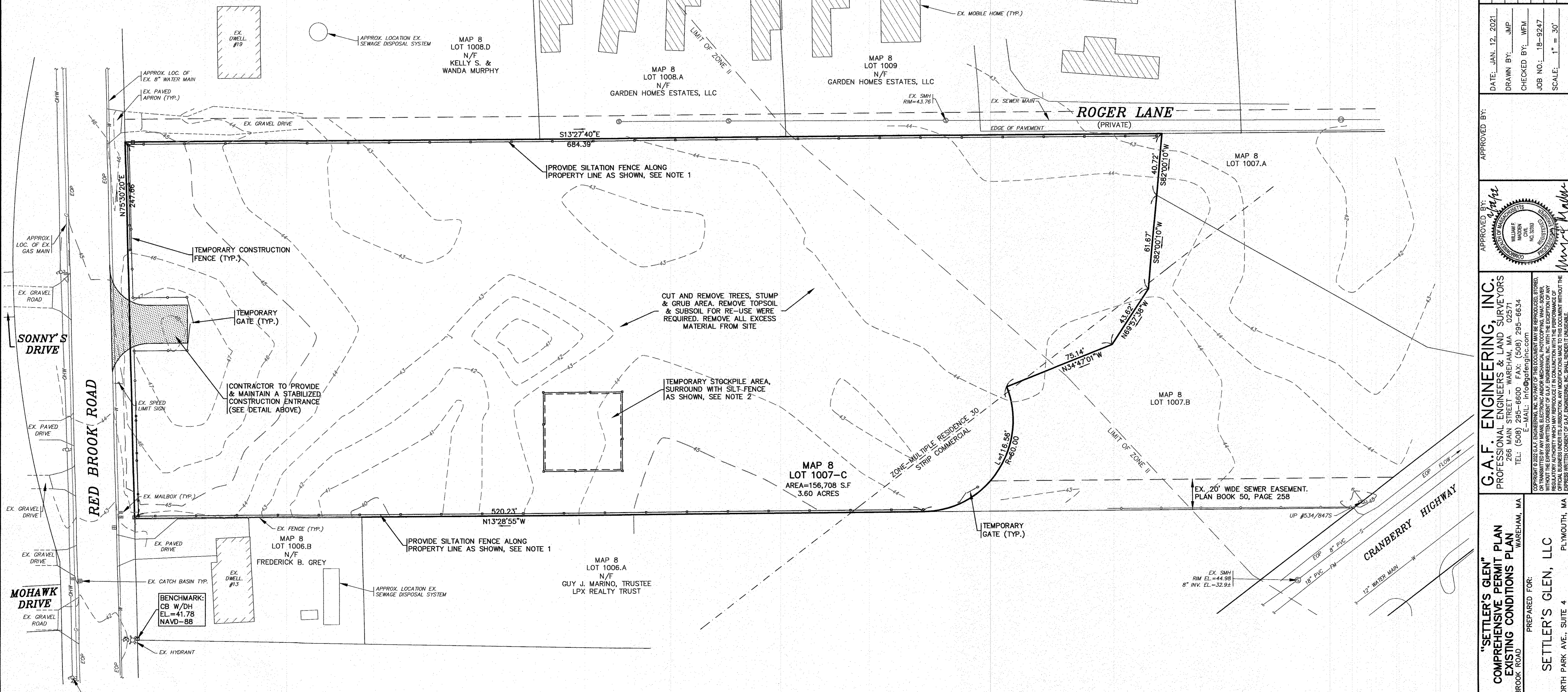


EROSION CONTROL BARRIER
N.T.S.

- NOTES:**
- SILTATION FENCE SHALL BE ACF ENVIRONMENTAL LS125 SILT FENCE OR AN APPROVED EQUAL.
 - SILTATION FENCING SHALL BE INSTALLED DOWNSLOPE OF ALL PROPOSED AND EXISTING DISTURBED AREAS, OR AS SHOWN ON THE PLANS.
 - EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE OR STABILIZED COVER HAS BEEN FIRMLY ESTABLISHED.
 - EROSION CONTROL MEASURES SHALL FOLLOW THE PERFORMANCE STANDARDS OF THE USDA SOIL CONSERVATION SERVICE, AND ANY APPLICABLE STATE/LOCAL CONSERVATION AUTHORITY.

NOTES:

- CONTRACTOR SHALL PROVIDE AND MAINTAIN STAKED SILTATION FENCING EROSION CONTROL BARRIER AS SHOWN ON THE PLANS. SEE DETAIL.
- FINAL LOCATION OF STOCKPILE AREA SHALL BE DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION. CONTRACTOR SHALL RELOCATE STOCKPILE AREA DURING CONSTRUCTION NEEDED.
- FINAL LOCATIONS AND DETAILS OF TEMPORARY CONSTRUCTION FENCE AND GATES SHALL BE DETERMINED BY THE CONTRACTOR AND ENGINEER.



EX. CONDITIONS PLAN
SCALE: 1"=30'
0 30 60 120

DATE: JAN. 12, 2021	NO CHANGES THIS SHEET	WFM	BY	APP'D
DRAWN BY: JMP	ONSET WATER DEPARTMENT COMMENTS	WFM		
CHECKED BY: WFM	OWNER & STREET NAME CHANGE	WFM		
JOB NO.: 18-9247	NO CHANGES THIS SHEET	WFM		
SCALE: 1" = 30'	PER TOWN & PEER REVIEW COMMENTS	WFM		
	REV.	DATE		
	5	2/22/22	JMP	
	4	12/1/21	JMP	
	3	8/31/21	JMP	
	2	5/11/21	JMP	
	1	4/26/21	JMP	

APPROVED BY: *[Signature]*

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"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN EXISTING CONDITIONS PLAN
WAREHAM, MA
PREPARED FOR: **SETTLER'S GLEN, LLC**
20 NORTH PARK AVE., SUITE 4 PLYMOUTH, MA

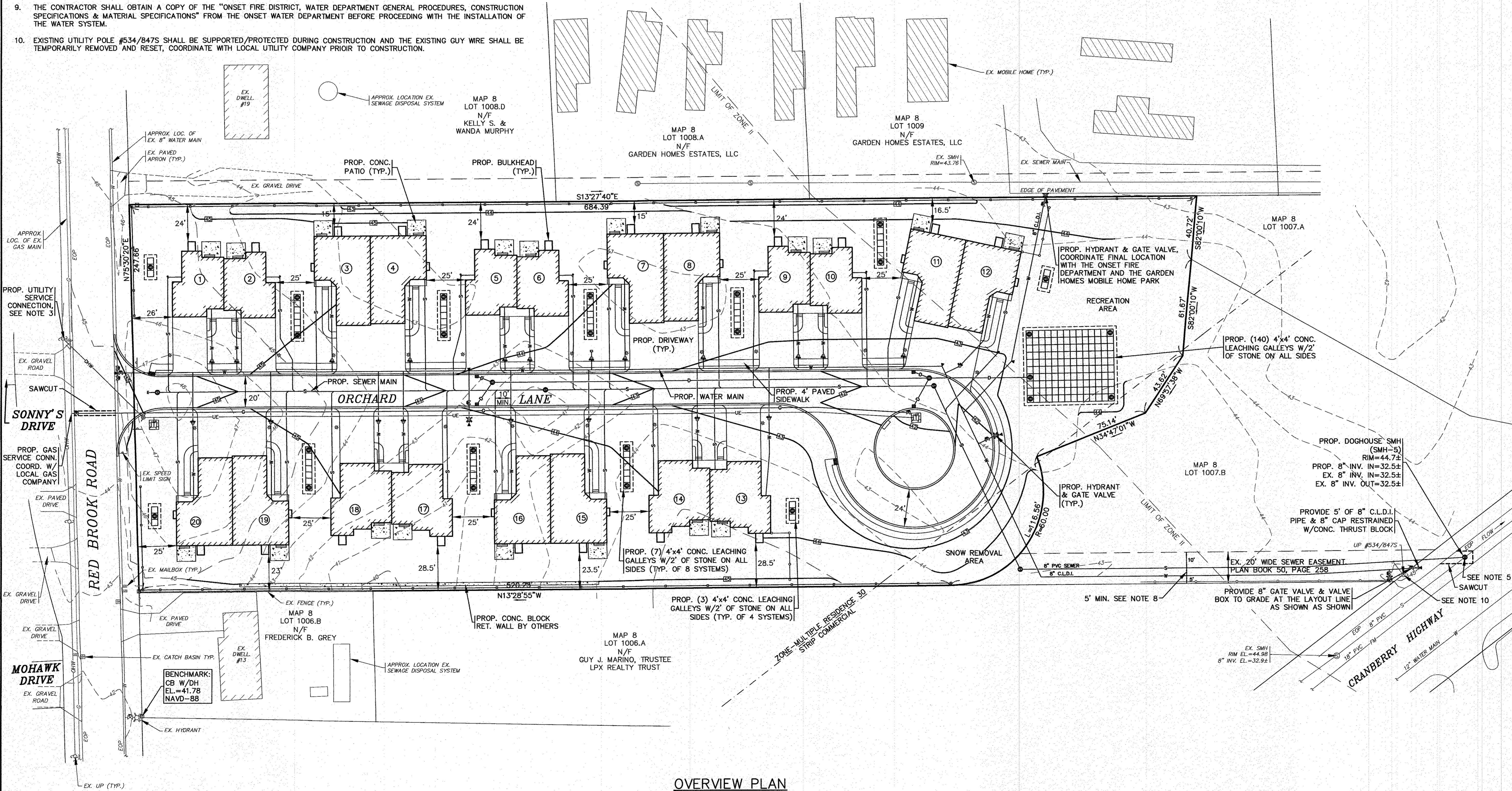
JOB NO.: 18-9247
DWG. 3 OF 11

PERMIT SET (NOT FOR CONSTRUCTION)

18 GAF BRANINS 2021 BRANINS 21-8736 (SETTLER'S GLEN, LLC) 9/28/21 (REV) APPROVED 408 PLAN REV-5.dwg

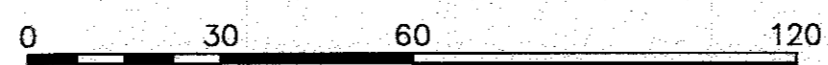
NOTES:

- REFER TO ARCHITECTURAL PLANS PREPARED BY OTHERS FOR ALL PROPOSED DWELLING DIMENSIONS, CONSTRUCTION NOTES AND DETAILS.
- ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS.
- CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY PRIOR TO CONNECTION.
- REFER TO PAVEMENT SAWCUT/TRENCH REPAIR DETAIL ON SHEET 10.
- CONTRACTOR SHALL CONFIRM EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
- WHEN A WATER LINE CROSSES ABOVE THE SEWER LINE, THE WATER LINE SHALL BE A MINIMUM OF 18" ABOVE THE SEWER LINE. AT THE CROSSING, ONE FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. BOTH THE WATER AND SEWER PIPES SHALL BE CONSTRUCTED OF CLASS 150 PRESSURE RATED PIPE MEETING LATEST AWWA STANDARDS. FOR COMPLETE DETAILS REFER TO THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENTS RULES AND REGULATIONS.
- WHEN A WATER LINE CROSSES BELOW A SEWER LINE, THE WATER LINE SHALL BE A MINIMUM OF 18" BELOW THE SEWER LINE AND THE WATER LINE SHALL BE ENCASED 10" IN BOTH DIRECTIONS AND SEALED AT BOTH ENDS WITH CONCRETE. AT THE CROSSING, THE SEWER LINE SHALL BE CONSTRUCTED OF CLASS 150 PRESSURE RATED PIPE MEETING LATEST AWWA STANDARDS. FOR COMPLETE DETAILS REFER TO THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENTS RULES AND REGULATIONS.
- WHEN A WATER LINE IS INSTALLED LESS THEN 10' TO A SEWER LINE THE WATER LINE MUST BE LAID IN A SEPARATE TRENCH OR AN UNDISTURBED EARTH SHELF LOCATED ON ONE SIDE OF THE SEWER AT SUCH ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER LINE.
- THE CONTRACTOR SHALL OBTAIN A COPY OF THE "ONSET FIRE DISTRICT, WATER DEPARTMENT GENERAL PROCEDURES, CONSTRUCTION SPECIFICATIONS & MATERIAL SPECIFICATIONS" FROM THE ONSET WATER DEPARTMENT BEFORE PROCEEDING WITH THE INSTALLATION OF THE WATER SYSTEM.
- EXISTING UTILITY POLE #534/8475 SHALL BE SUPPORTED/PROTECTED DURING CONSTRUCTION AND THE EXISTING GUY WIRE SHALL BE TEMPORARILY REMOVED AND RESET, COORDINATE WITH LOCAL UTILITY COMPANY PRIOR TO CONSTRUCTION.



OVERVIEW PLAN

SCALE: 1"=30'



DATE: JAN. 12, 2021		PER ZBA PETITION #2-21	
DRAWN BY: JMP		ONSET WATER DEPARTMENT COMMENTS	
CHECKED BY: WFM		OWNER & STREET NAME CHANGE	
JOB NO.: 18-9247		PER 2ND PEER REVIEW LETTER	
SCALE: 1" = 30'		PER TOWN & PEER REVIEW COMMENTS	
REV.	DATE	BY	APP'D
5	2/22/22	JMP	
4	12/1/21	JMP	
3	8/31/21	JMP	
2	5/11/21	JMP	
1	4/26/21	JMP	

APPROVED BY: *[Signature]*

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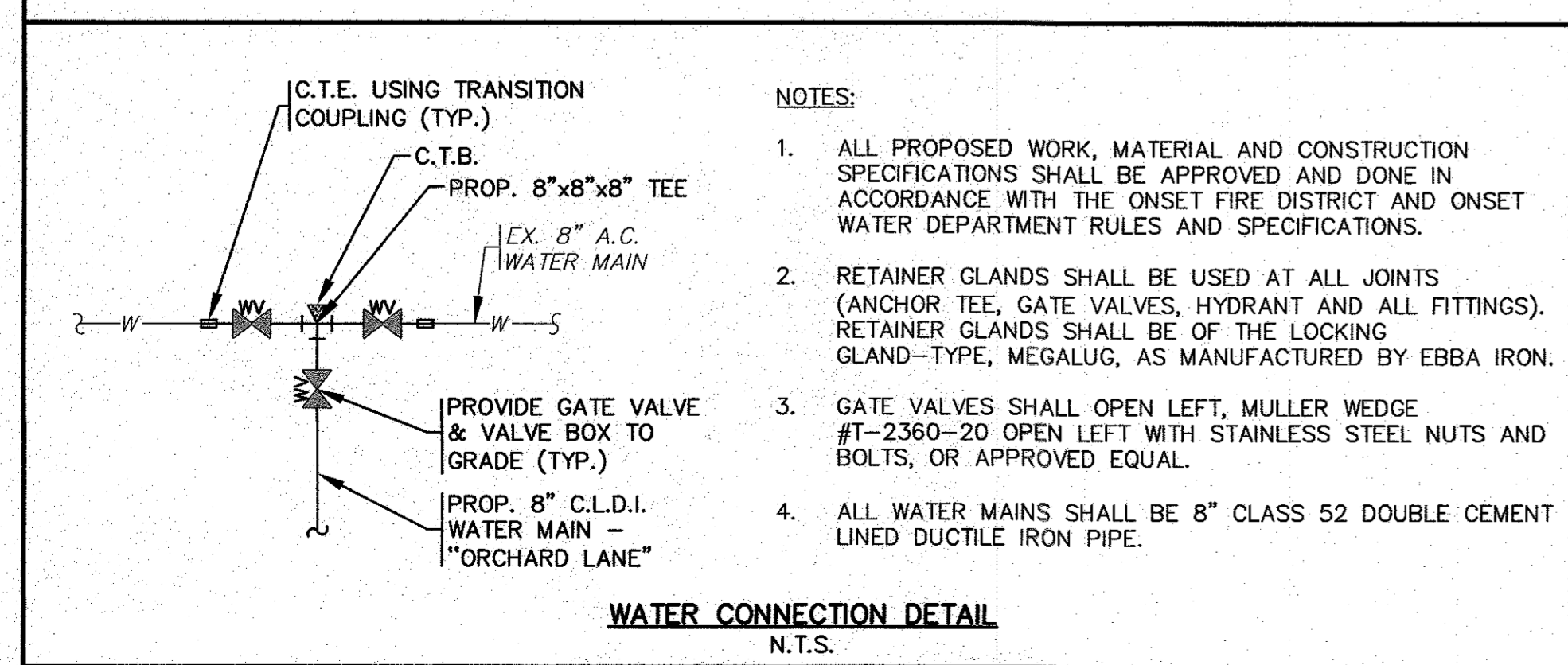
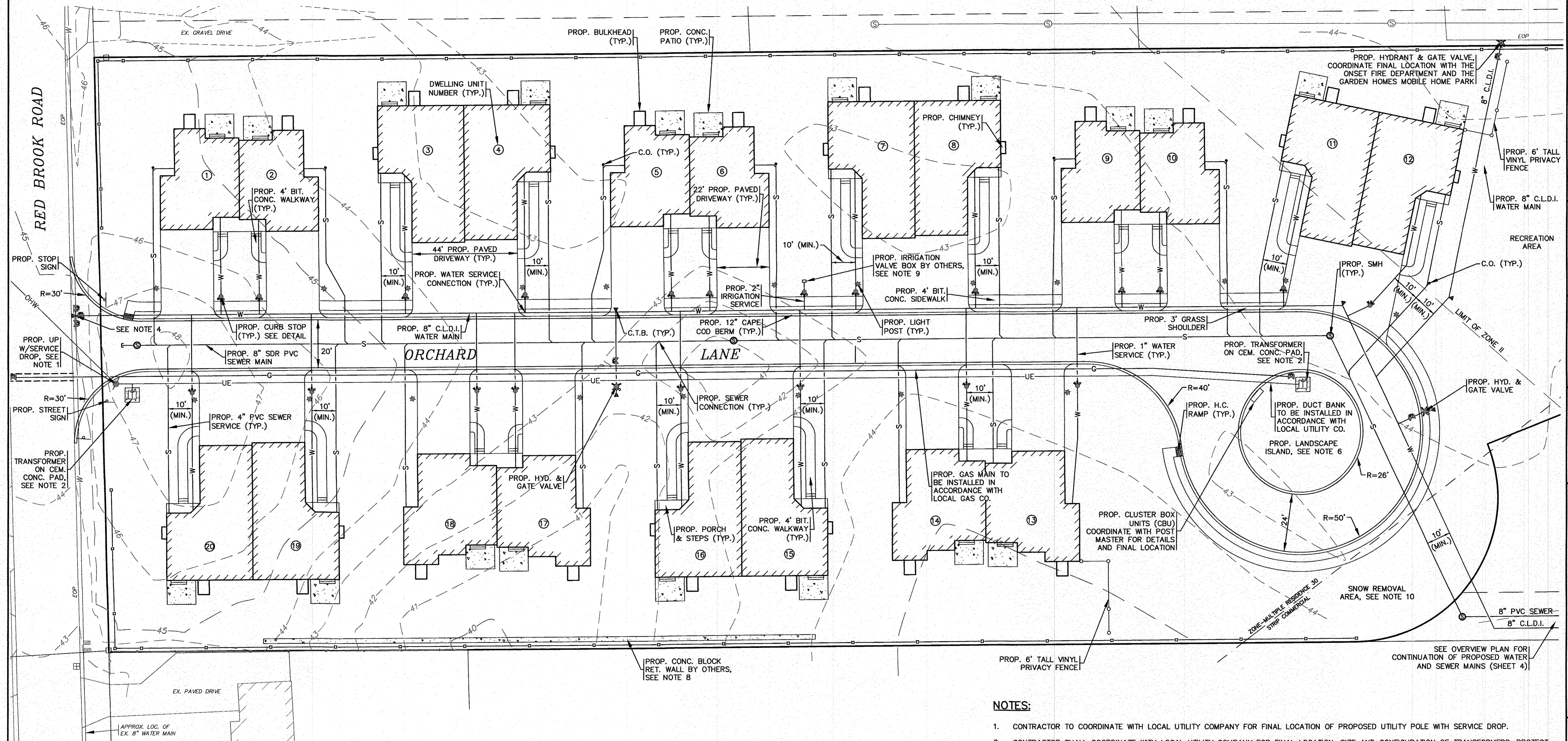
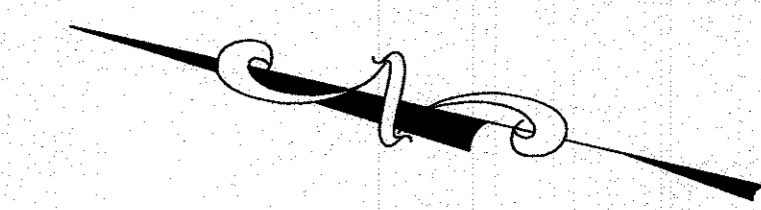
"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN OVERVIEW PLAN

PREPARED FOR:
SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4
 PLYMOUTH, MA

JOB NO.: 18-9247

PERMIT SET (NOT FOR CONSTRUCTION) DWG. 4 OF 11

H:\GAF DRAWINGS\2021\BROWNSVILLE\SETTLERS GLEN, LLC\9247\APPROVED OVERVIEW PLAN REV 5.dwg



- NOTES:**
1. ALL PROPOSED WORK, MATERIAL AND CONSTRUCTION SPECIFICATIONS SHALL BE APPROVED AND DONE IN ACCORDANCE WITH THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENT RULES AND SPECIFICATIONS.
 2. RETAINER GLANDS SHALL BE USED AT ALL JOINTS (ANCHOR TEE, GATE VALVES, HYDRANT AND ALL FITTINGS). RETAINER GLANDS SHALL BE OF THE LOCKING GLAND-TYPE, MEGALUG, AS MANUFACTURED BY EBBA IRON.
 3. GATE VALVES SHALL OPEN LEFT, MULLER WEDGE #T-2360-20 OPEN LEFT WITH STAINLESS STEEL NUTS AND BOLTS, OR APPROVED EQUAL.
 4. ALL WATER MAINS SHALL BE 8" CLASS 52 DOUBLE CEMENT LINED DUCTILE IRON PIPE.

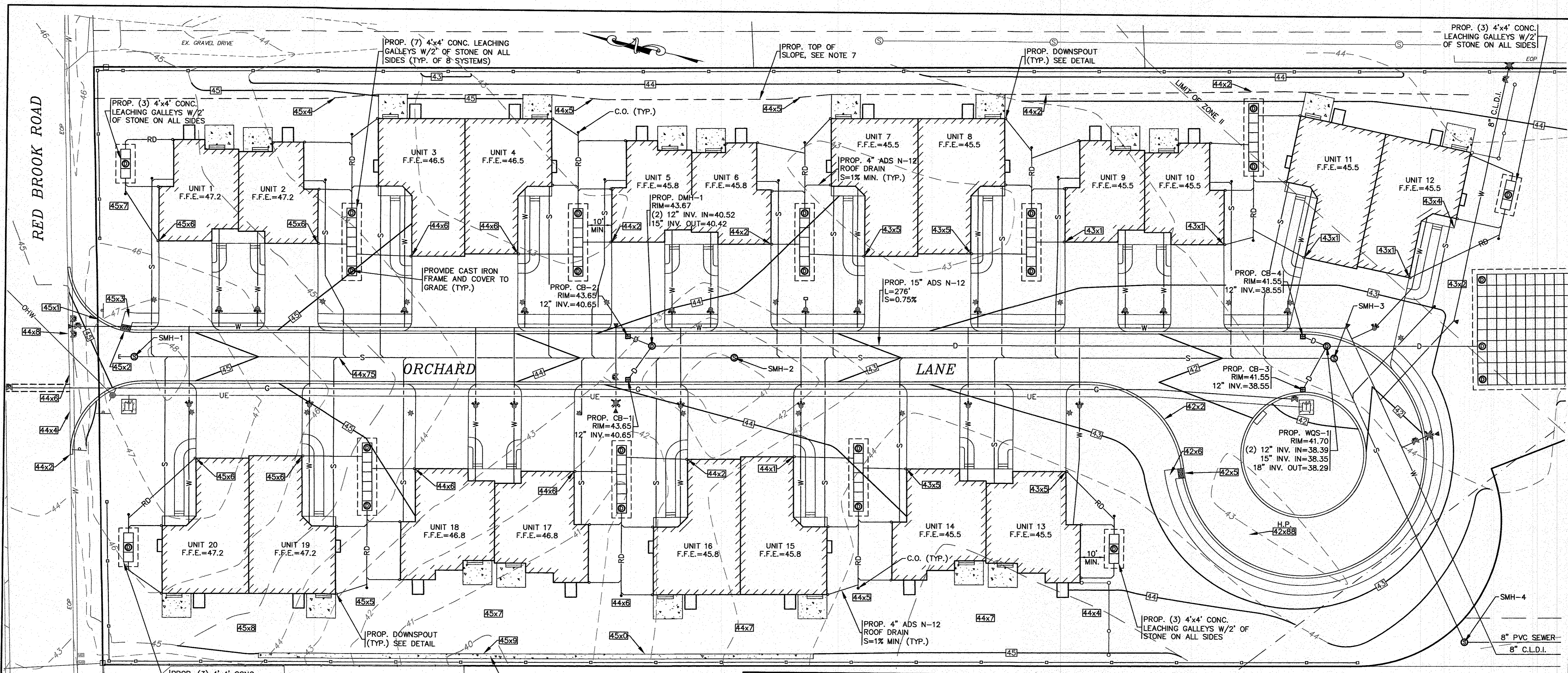
LAYOUT & UTILITIES

SCALE: 1"=20'
0 20 40 80

NOTES:

1. CONTRACTOR TO COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION OF PROPOSED UTILITY POLE WITH SERVICE DROP.
2. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE AND CONFIGURATION OF TRANSFORMERS. PROTECT TRANSFORMERS WITH BOLLARDS.
3. FINAL LOCATIONS, DEPTHS AND CONSTRUCTION OF UNDERGROUND ELECTRIC AND GAS SERVICES SHALL BE DETERMINED BY THEIR RESPECTIVE UTILITIES COMPANY.
4. CONNECT TO THE EXISTING 8" WATER MAIN WITH AN 8"x8"x8" TEE AND PROVIDE GATE VALVES WITH VALVE BOXES TO GRADE AS SHOWN, SEE WATER CONNECTION DETAIL TO THE LEFT. ALL WORK SHALL BE DONE IN ACCORDANCE TO THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENTS RULES AND REGULATIONS.
5. ALL WATER MAINS SHALL BE 8" CLASS 52 DOUBLE LINED DUCTILE IRON PIPE.
6. REFER TO ARCHITECTURAL PLANS PREPARED BY OTHERS FOR ALL PROPOSED DWELLING DIMENSIONS, CONSTRUCTION NOTES AND DETAILS.
7. REFER TO LANDSCAPE PLANS PREPARED BY OTHERS FOR ALL PROPOSED PLANTING LOCATIONS, DETAILS AND SPECIFICATIONS.
8. CONTRACTOR SHALL PROVIDE CEMENT CONCRETE WASHOUT AREA. WASHOUT AREA SHALL BE A RING OF DOUBLE STAKED HAY BALES WITH SILTATION FENCE AND LINED WITH A 40 MIL. POLYETHYLENE BARRIER. SEE DETAIL FINAL WASHOUT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT TIME OF CONSTRUCTION.
9. PROPOSED CONCRETE BLOCK RETAINING WALLS DESIGNED BY OTHERS, CONTRACTOR SHALL COORDINATE WITH OWNER. RETAINING WALL SHALL BE PROVIDED WITH SAFETY GUARDRAILS/HANDRAILS PER 780 CMR AND OSHA REGULATIONS AND SPECIFICATIONS. CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS FOR RETAINING WALL CONSTRUCTION TO BUILDING DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
10. CONTRACTOR SHALL COORDINATE WITH OWNER FOR DESIGN, LOCATION AND ALL DETAILS ON THE IRRIGATION SYSTEM.
11. CONFIRM FINAL SNOW REMOVAL AREA WITH OWNER.
12. ALL SEWER SERVICE LINES SHALL BE INSTALLED A MINIMUM OF 10' FROM WATER SERVICE LINES.

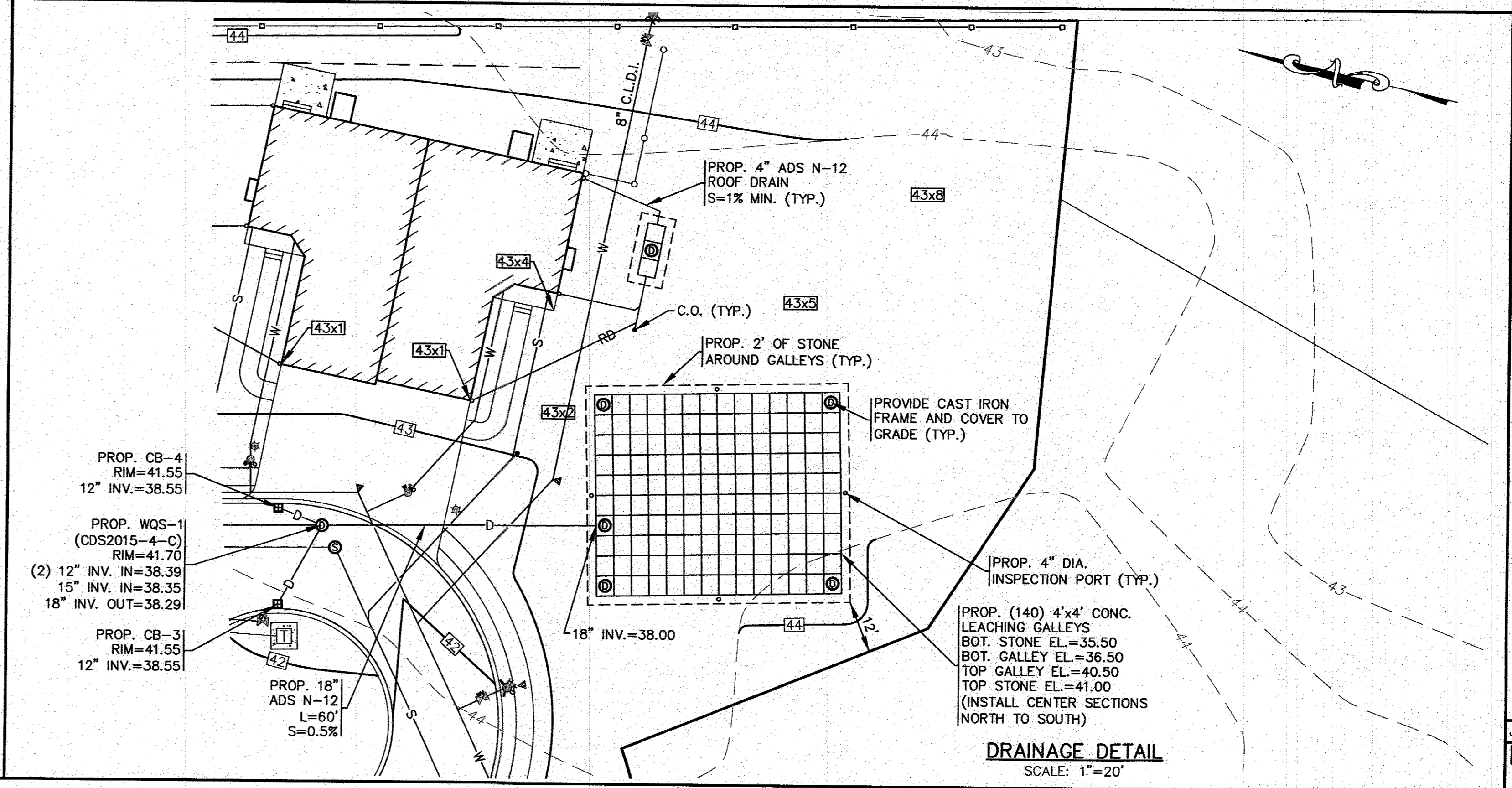
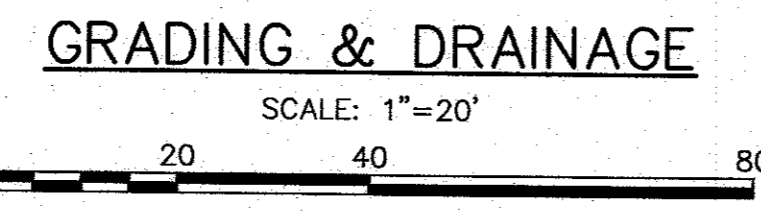
DATE: JAN. 12, 2021	APPROVED BY:		<p>G.A.F. ENGINEERING, INC. PROFESSIONAL ENGINEERS & LAND SURVEYORS 286 MAIN STREET - WARRENHAM, MA 02571 TEL: (508) 295-6600 FAX: (508) 295-6634 E-MAIL: info@gafengrinc.com</p>
DRAWN BY: J.M.P.	APPROVED BY: [Signature]		
CHECKED BY: W.F.M.	DATE: JAN. 12, 2021	<p>"SETTLER'S GLEN" COMPENSATION PERMIT PLAN LAYOUT & UTILITIES RED BROOK ROAD WARRENHAM, MA</p> <p>PREPARED FOR: SETTLER'S GLEN, LLC 20 NORTH PARK AVE., SUITE 4 PLYMOUTH, MA</p>	
JOB NO.: 18-9247	DATE: JAN. 12, 2021		
SCALE: 1" = 20'	DATE: JAN. 12, 2021		
PER TOWN & PEER REVIEW COMMENTS	DATE: JAN. 12, 2021		
PER TOWN & PEER REVIEW COMMENTS	DATE: JAN. 12, 2021		



- NOTES:**
- ALL PROPOSED CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
 - WATER MAIN/SERVICES SHALL BE INSTALLED A MINIMUM OF 18" BELOW ALL PROPOSED DRAINAGE LINES.
 - PROPOSED WQS-1 SHALL BE A CDS2015-4-C UNIT FROM CONTECH ENGINEERED SOLUTIONS LLC.
 - PROPOSED CONCRETE BLOCK RETAINING WALLS DESIGNED BY OTHERS, CONTRACTOR SHALL COORDINATE WITH OWNER. RETAINING WALL SHALL BE PROVIDED WITH SAFETY GUARDRAILS/HANDRAILS PER 780 CMR AND OSHA REGULATIONS AND SPECIFICATIONS. CONTRACTOR SHALL SUBMIT STAMPED SHOP DRAWINGS FOR RETAINING WALL CONSTRUCTION TO BUILDING DEPARTMENT FOR APPROVAL PRIOR TO CONSTRUCTION.
 - FOR COMPLETE DRAINAGE OPERATION AND MAINTENANCE NOTES SEE SHEET 2.
 - ALL DWELLING UNITS TO BE PROVIDED WITH DOWNSPOUTS AND 4" ADS ROOF DRAIN PIPING TO GALLEY SYSTEMS. REFER TO ARCHITECTURAL PLANS FOR FINAL DOWNSPOUT LOCATIONS AND DETAILS.
 - THE INTENT OF THE GRADING DESIGN IS TO DIRECT ALL YARD RUNOFF TO ORCHARD LANE.
 - FINAL BUILDING FOUNDATION GRADES SHALL BE COORDINATED IN THE FIELD WITH CONTRACTOR, ARCHITECT AND ENGINEER.

SANITARY SEWER STRUCTURE SCHEDULE:

STRUCTURE	RIM EL.	INV. (IN)	INV. (OUT)
SMH-1	45.32	38.46	38.36
SMH-2	43.52	36.52	36.42
SMH-3	41.80	34.57	34.47
SMH-4	43.2±	33.84	33.74
SMH-5	44.7±	32.5±	32.5±



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"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN GRADING & DRAINAGE

WAREHAM, MA
RED BROOK ROAD

PREPARED FOR:
SETTLER'S GLEN, LLC
PLYMOUTH, MA
20 NORTH PARK AVE., SUITE 4

DATE: JAN. 12, 2021
DRAWN BY: JMP
CHECKED BY: WFM
JOB NO.: 18-9247
SCALE: 1" = 20'

REV.	DATE	BY	DESCRIPTION
1	4/26/21	JMP	PER TOWN & PEER REVIEW COMMENTS
2	5/11/21	JMP	PER TOWN & PEER REVIEW COMMENTS
3	8/31/21	JMP	OWNER & STREET NAME CHANGE
4	12/1/21	JMP	ONSET WATER DEPARTMENT COMMENTS
5	2/22/22	JMP	PER ZBA PETITION #2-21

APPROVED BY: *[Signature]*

PROF. SEAL: *[Seal]*

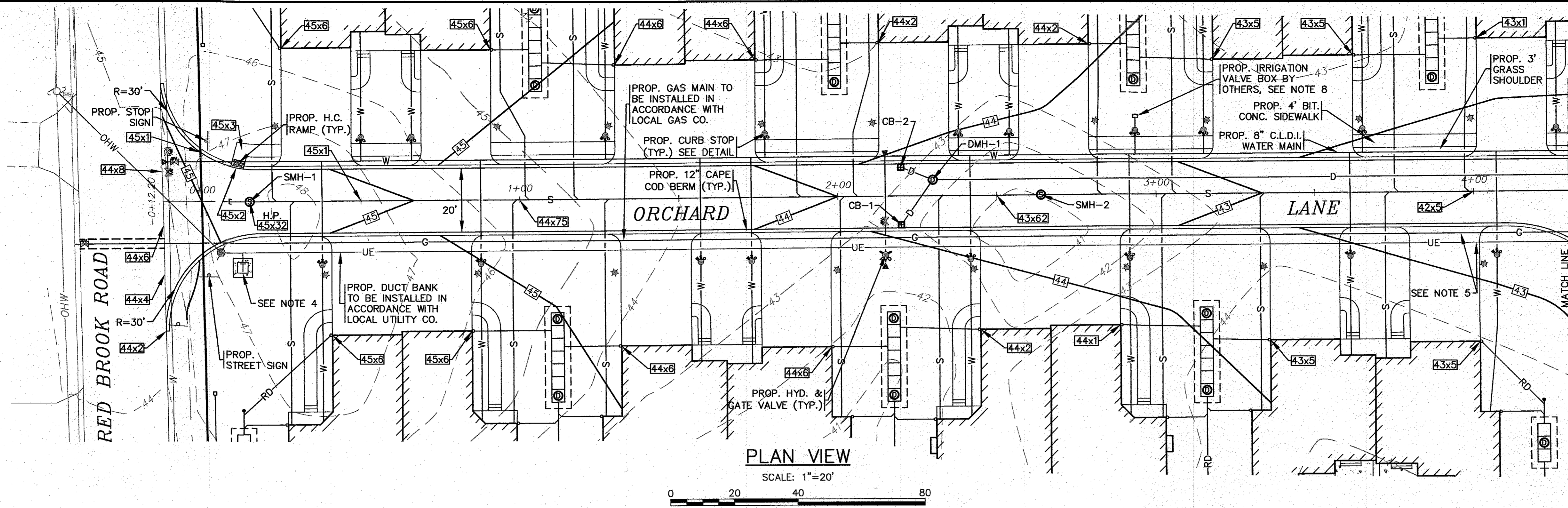
DATE: JAN. 12, 2021

SCALE: 1" = 20'

JOB NO.: 18-9247

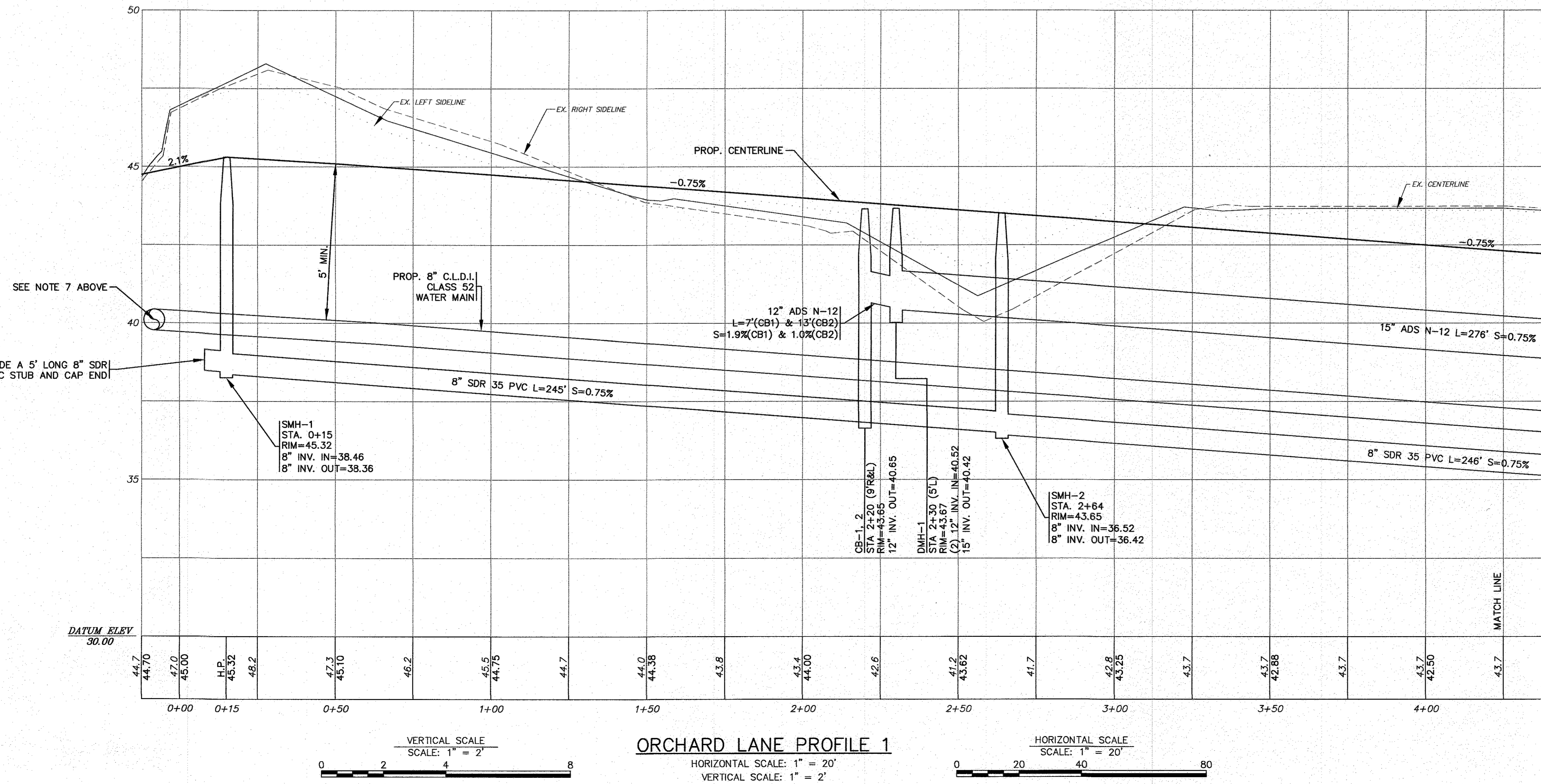
DWG. NO. 6 OF 11

H:\GAF DRAWINGS\2021 DRAWINGS\21-9247 (SETTLER'S GLEN, LLC)\210516.dwg APPROVED A08 PLAN SET - 5.dwg



- NOTES:**
- ALL PROPOSED CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
 - SEPARATION BETWEEN DRAINAGE LINES AND WATER MAINS AND WATER SERVICES SHALL BE A MINIMUM OF 18".
 - FOR COMPLETE DRAINAGE OPERATION AND MAINTENANCE NOTES SEE SHEET 2.
 - CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE AND CONFIGURATION OF TRANSFORMERS. PROTECT TRANSFORMERS WITH BOLLARDS.
 - FINAL LOCATIONS, DEPTHS AND CONSTRUCTION OF UNDERGROUND ELECTRIC AND GAS SERVICES SHALL BE DETERMINED BY THEIR RESPECTIVE UTILITIES COMPANY.
 - REFER TO LANDSCAPE PLANS PREPARED BY OTHERS FOR ALL PROPOSED PLANTING LOCATIONS, DETAILS AND SPECIFICATIONS.
 - CONNECT TO THE EXISTING 8" WATER MAIN WITH AN 8"x8"x8" TEE AND PROVIDE GATE VALVES WITH VALVE BOXES TO GRADE AS SHOWN. SEE WATER CONNECTION DETAIL ON SHEET 5. ALL WORK SHALL BE DONE IN ACCORDANCE TO THE ONSET FIRE DISTRICT AND ONSET WATER DEPARTMENTS RULES AND REGULATIONS.
 - CONTRACTOR SHALL COORDINATE WITH OWNER FOR DESIGN, LOCATION AND ALL DETAILS ON THE IRRIGATION SYSTEM.

DATE:	JAN. 12, 2021	PER ZBA PETITION #:	2-21
DRAWN BY:	JMP	ONSET WATER DEPARTMENT COMMENTS:	
CHECKED BY:	WFM	OWNER & STREET NAME CHANGE:	
JOB NO.:	18-9247	PER 2ND PEER REVIEW LETTER:	
SCALE:	1" = 20'	PER TOWN & PEER REVIEW COMMENTS:	
REV.	DATE	BY	APP'D
5	2/22/22	JMP	WFM
4	12/1/21	JMP	WFM
3	8/31/21	JMP	WFM
2	5/11/21	JMP	WFM
1	4/26/21	JMP	WFM



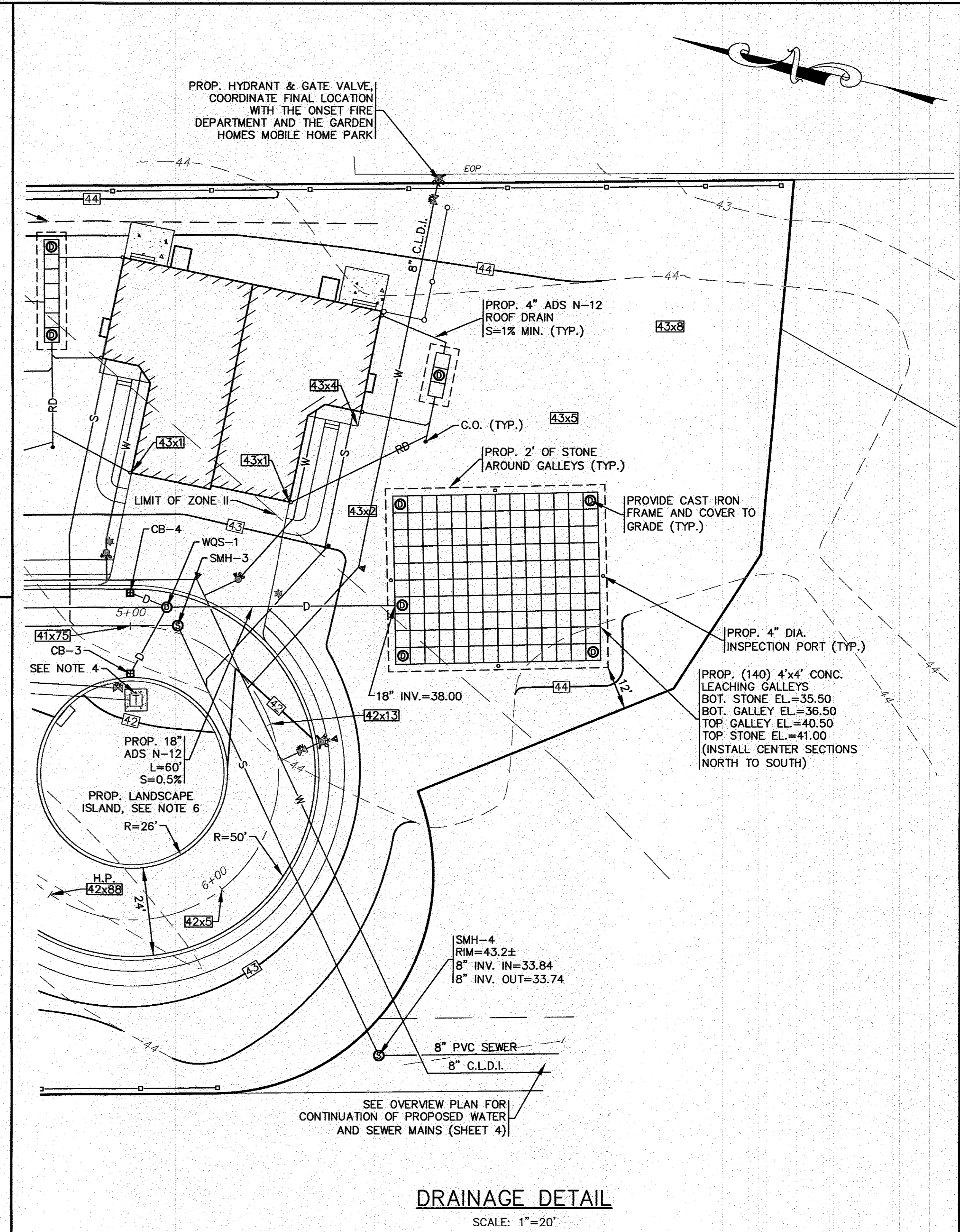
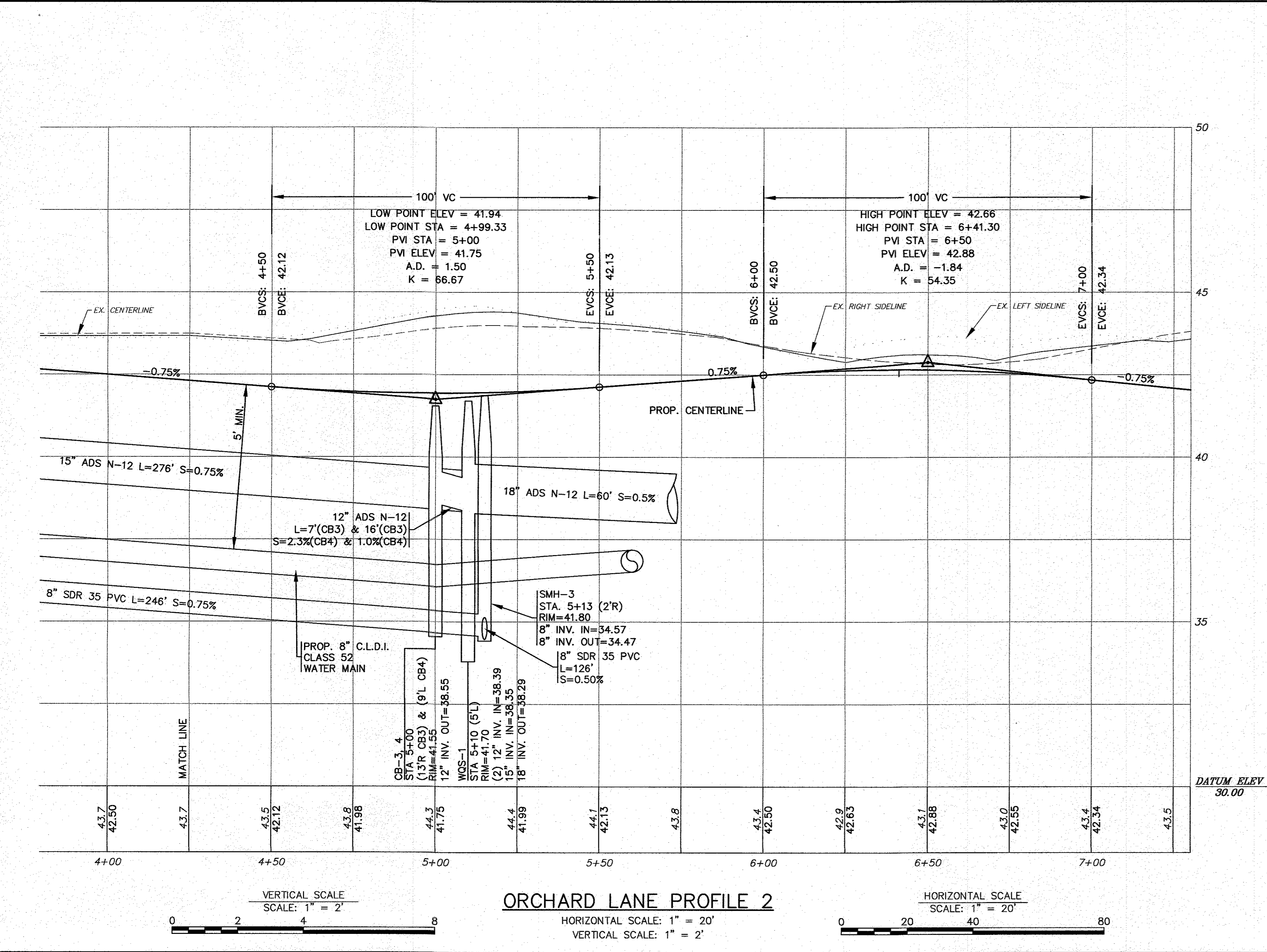
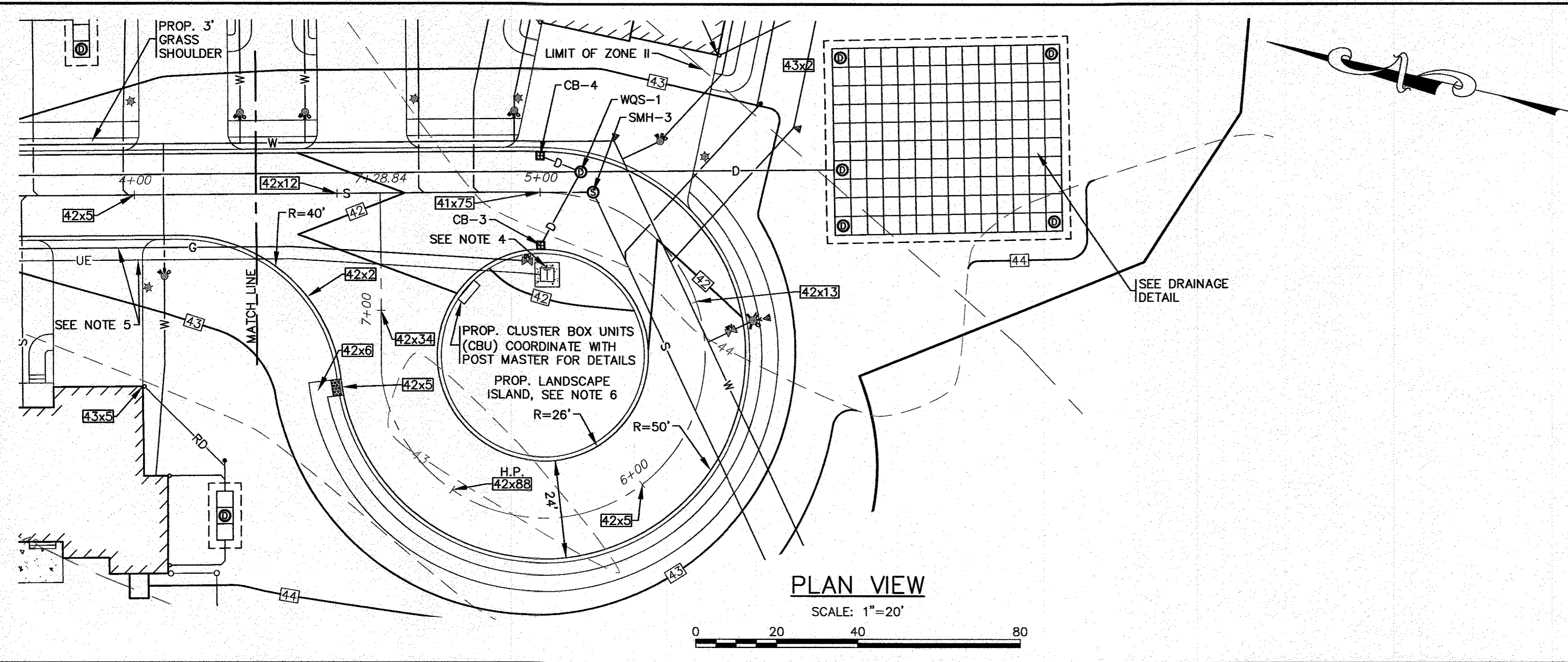
APPROVED BY: *[Signature]*

G.A.F. ENGINEERING, INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
266 MAIN STREET - WAREHAM, MA 02571
TEL: (508) 295-6600 FAX: (508) 295-6634
E-MAIL: info@gafengr.com

**"SETTLER'S GLEN"
COMPREHENSIVE PERMIT PLAN
PLAN & ROADWAY PROFILE SHEET-1**
WAREHAM, MA

PREPARED FOR:
SETTLER'S GLEN, LLC
20 NORTH PARK AVE., SUITE 4
PLYMOUTH, MA

DATE: JAN. 12, 2021
DRAWN BY: JMP
CHECKED BY: WFM
JOB NO.: 18-9247
SCALE: 1" = 20'



NOTES:

- ALL PROPOSED CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED IN THEM AS SOON AS THE STRUCTURE IS SET. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
- WATER MAIN/SERVICES SHALL BE INSTALLED A MINIMUM OF 18" BELOW ALL PROPOSED DRAINAGE LINES.
- FOR COMPLETE DRAINAGE OPERATION AND MAINTENANCE NOTES SEE SHEET 2.
- CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE AND CONFIGURATION OF TRANSFORMERS. PROTECT TRANSFORMERS WITH BOLLARDS.
- FINAL LOCATIONS, DEPTHS AND CONSTRUCTION OF UNDERGROUND ELECTRIC AND GAS SERVICES SHALL BE DETERMINED BY THEIR RESPECTIVE UTILITIES COMPANY.
- REFER TO LANDSCAPE PLANS PREPARED BY OTHERS FOR ALL PROPOSED PLANTING LOCATIONS, DETAILS AND SPECIFICATIONS.
- PROPOSED WQS-1 SHALL BE A CDS2015-4-C UNIT FROM CONTECH ENGINEERED SOLUTIONS LLC.

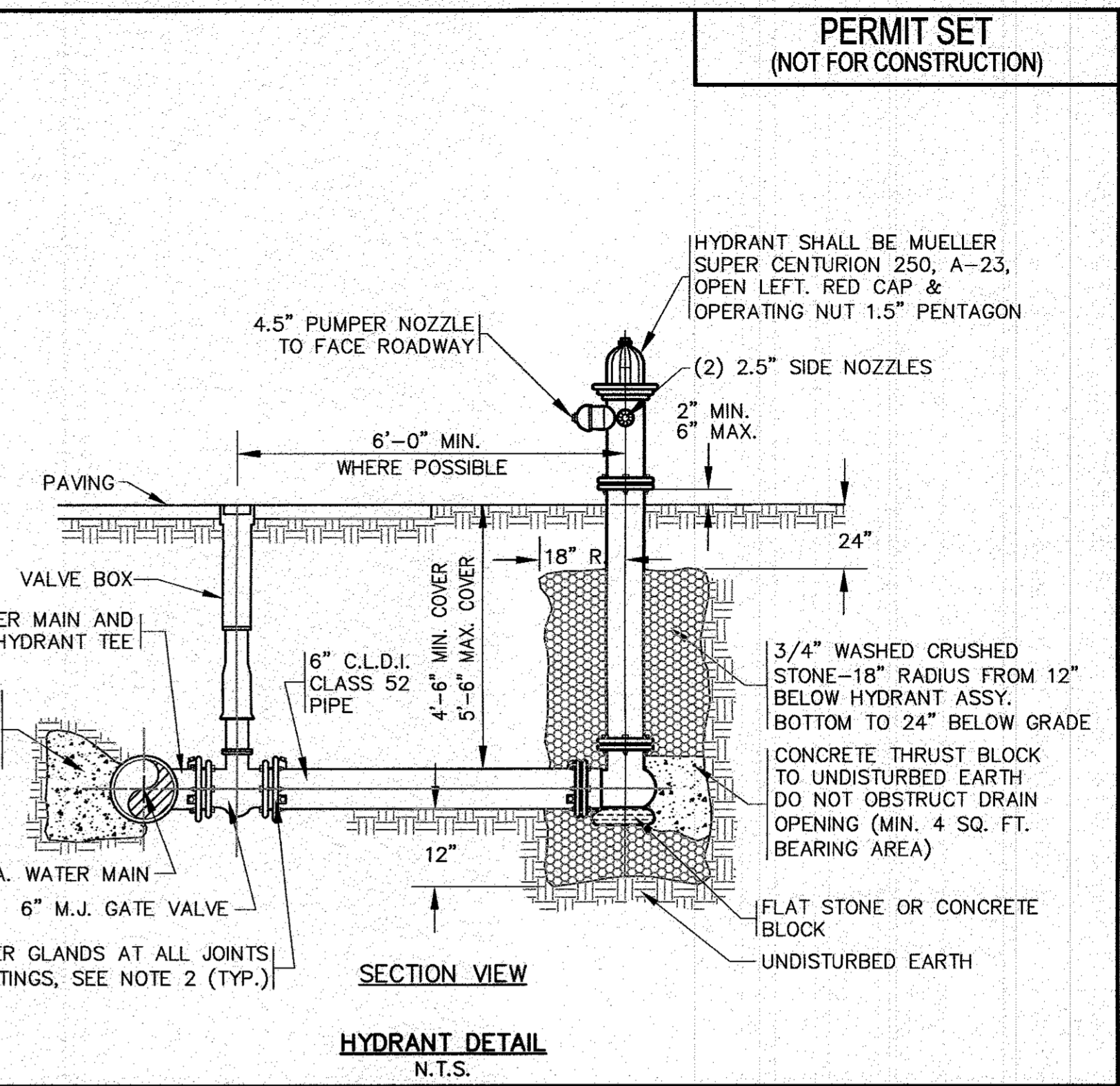
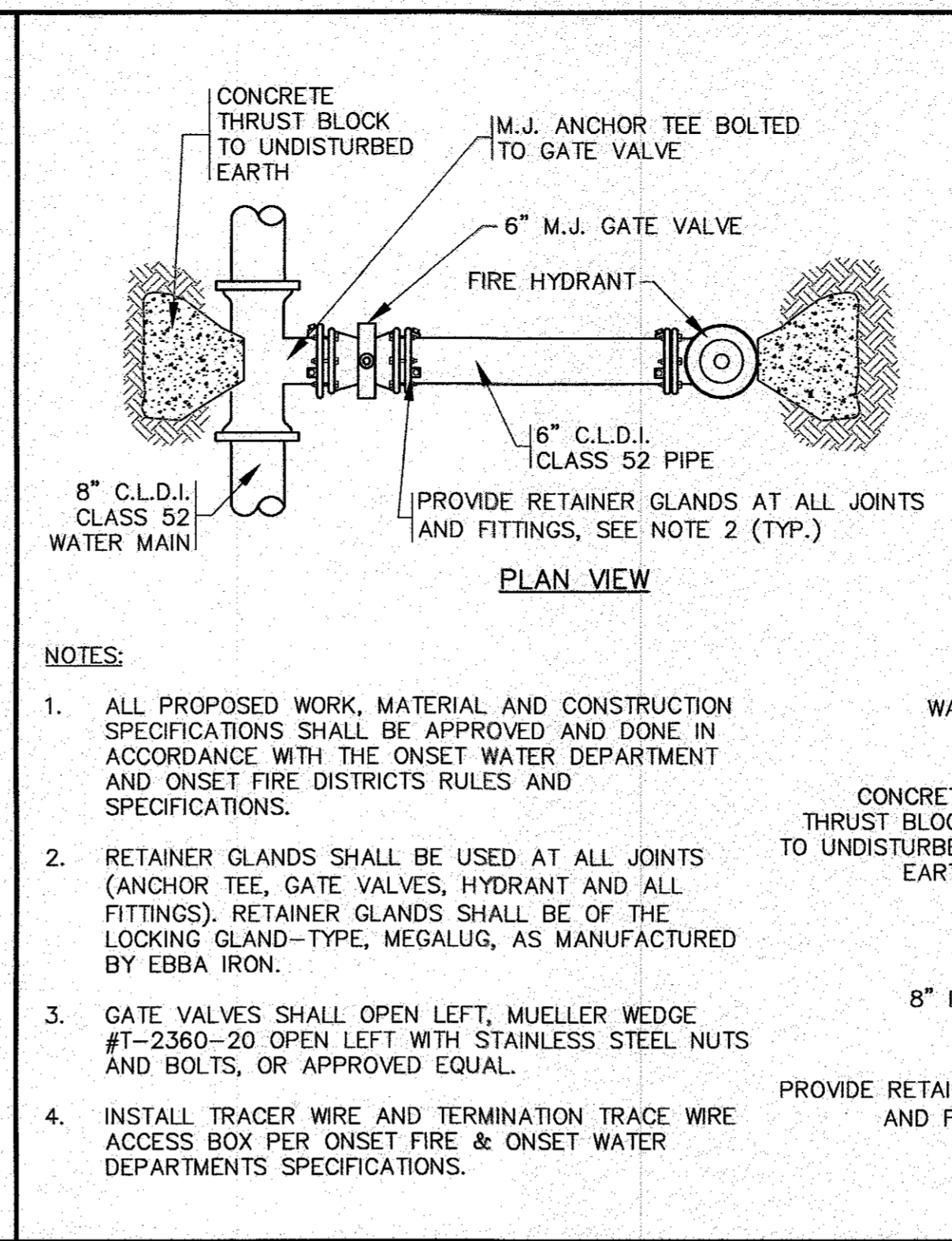
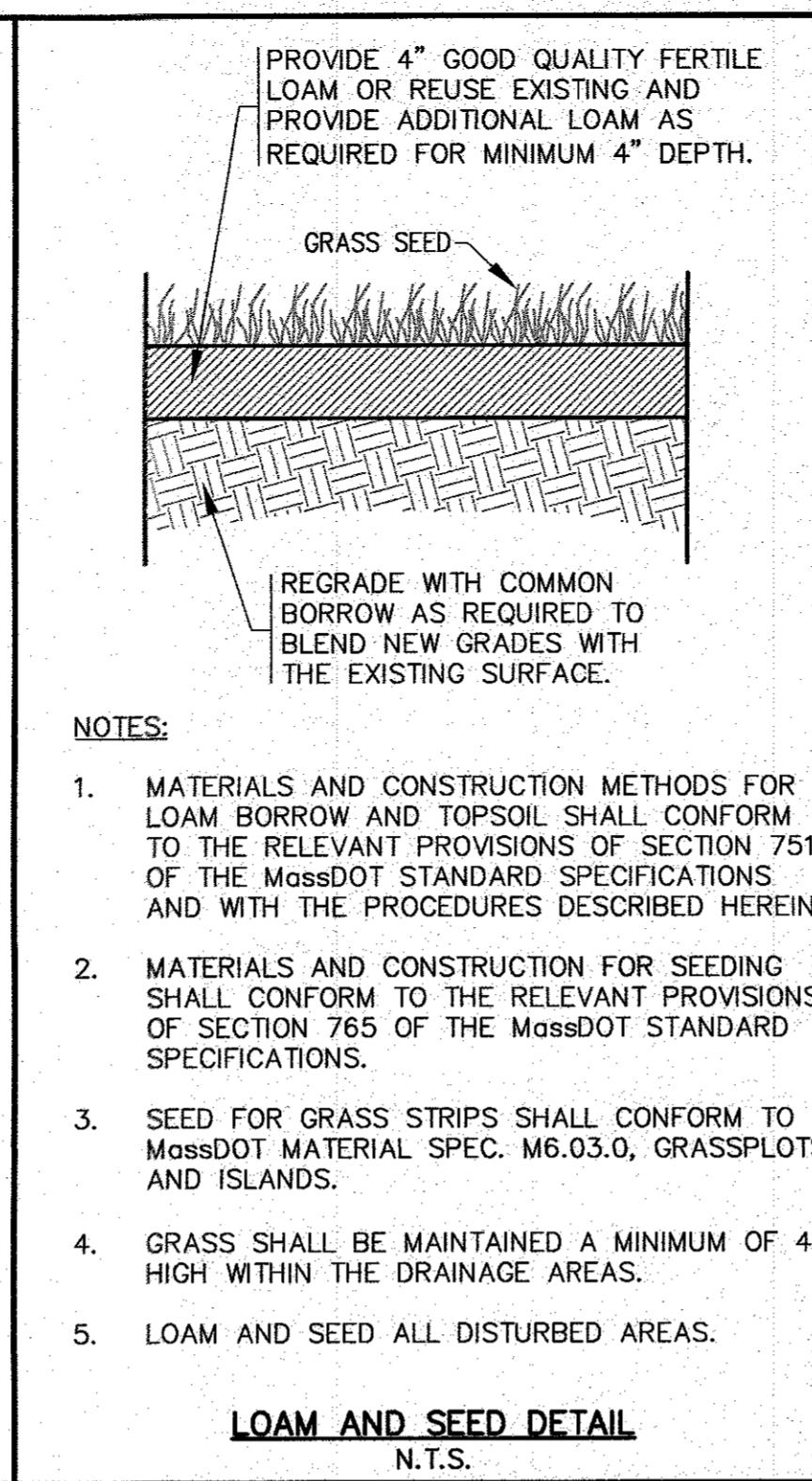
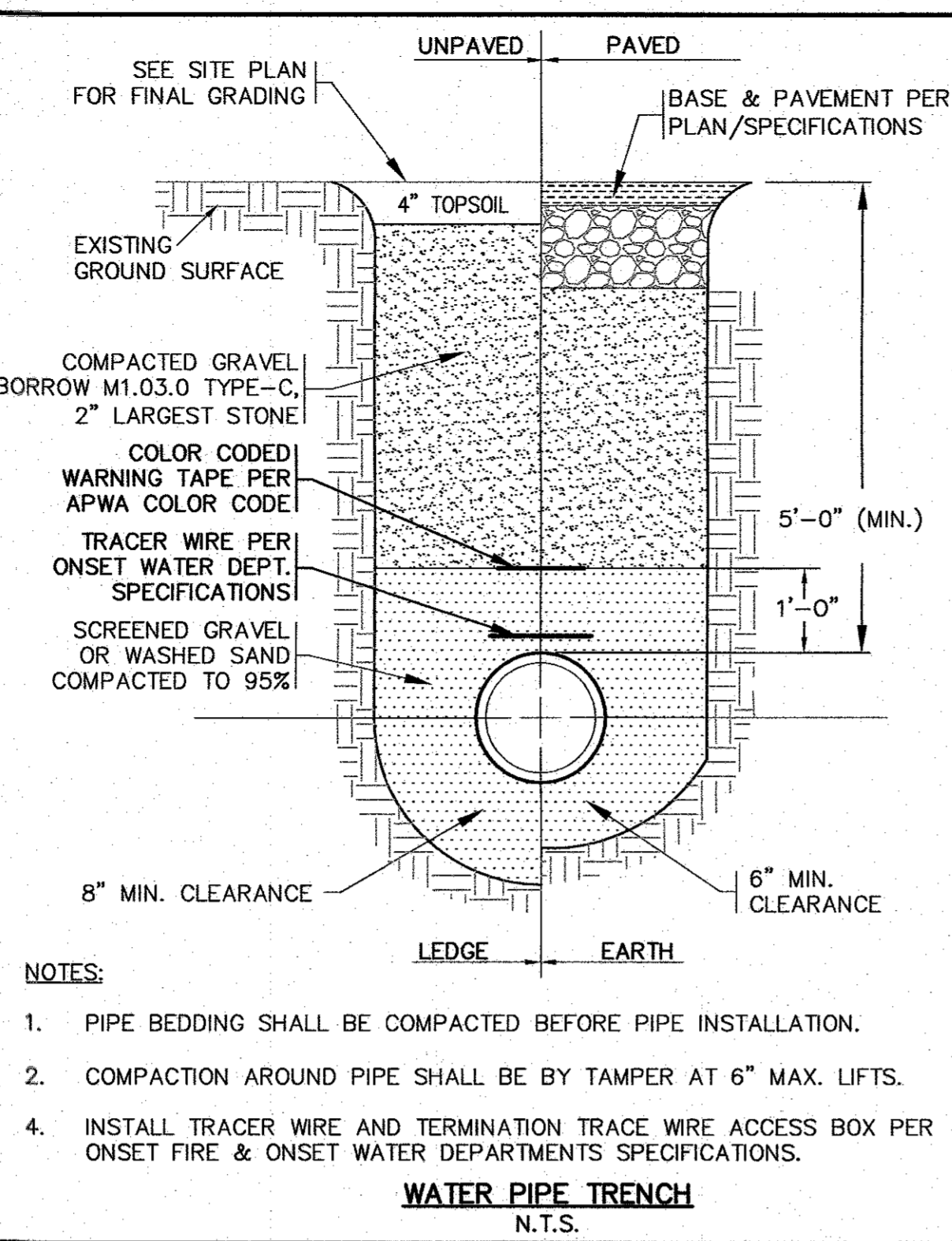
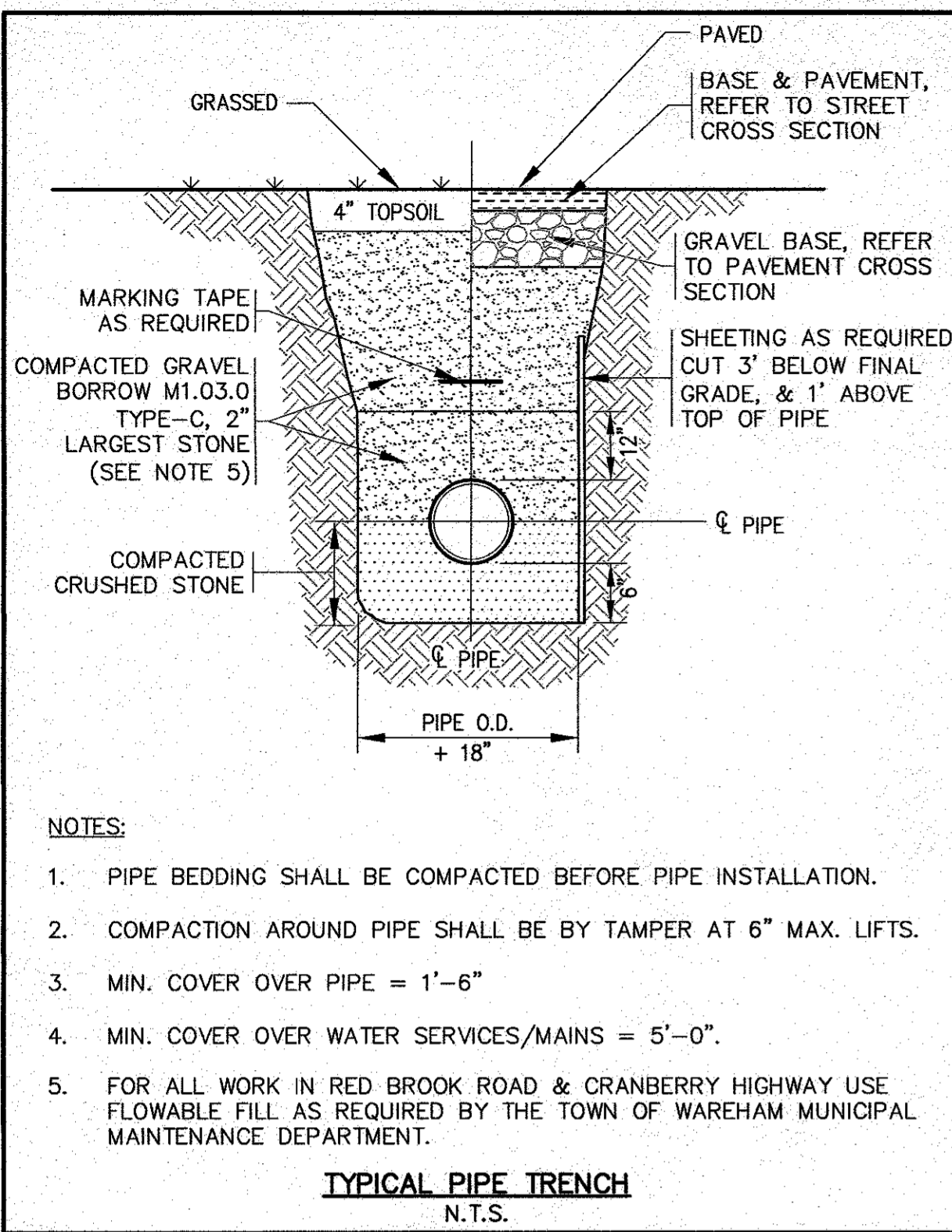
DATE: JAN. 12, 2021	APPROVED BY:	
DRAWN BY: J.M.P.	WILLIAM MADDEN LICENSE NO. 02571 REGISTERED PROFESSIONAL ENGINEER	
CHECKED BY: M.F.M.	APPROVED BY:	
JOB NO.: 18-9247	WILLIAM MADDEN LICENSE NO. 02571 REGISTERED PROFESSIONAL ENGINEER	
SCALE: 1" = 20'	DATE:	DATE:
REV. DATE	BY	DESCRIPTION
1	4/26/21	PER TOWN & PEER REVIEW COMMENTS
2	5/11/21	PER 2ND PEER REVIEW LETTER
3	8/31/21	OWNER & STREET NAME CHANGE
4	12/1/21	ONSET WATER DEPARTMENT COMMENTS
5	2/22/22	PER ZBA PETITION #2-21

G.A.F. ENGINEERING, INC.
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 286 MAIN STREET - WAREHAM, MA 02571
 TEL: (508) 295-6600 FAX: (508) 295-6634
 E-MAIL: info@gafenginc.com

"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN PLAN & ROADWAY PROFILE SHEET-2
 RED BROOK ROAD WAREHAM, MA
 PREPARED FOR:
SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4 PLYMOUTH, MA

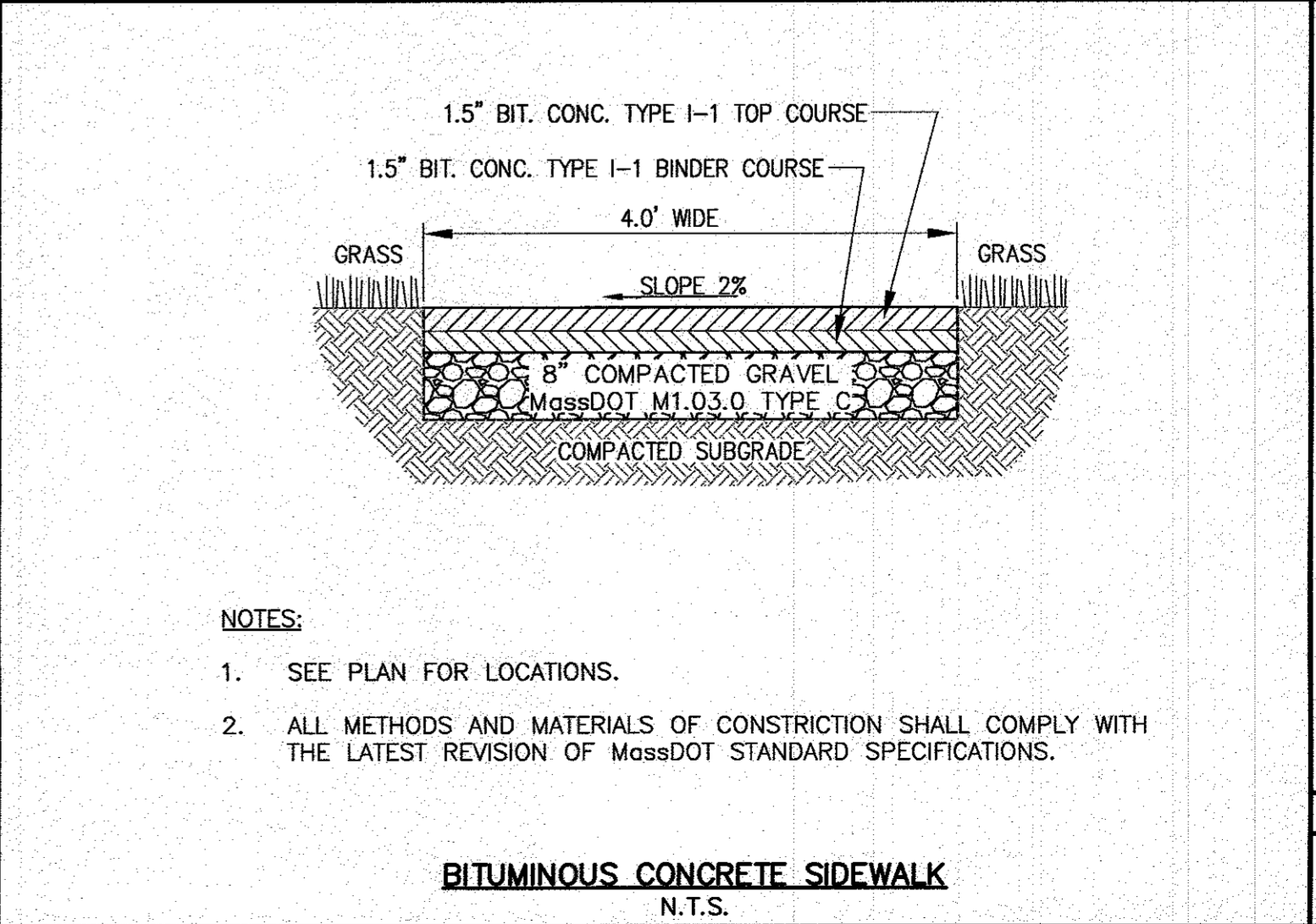
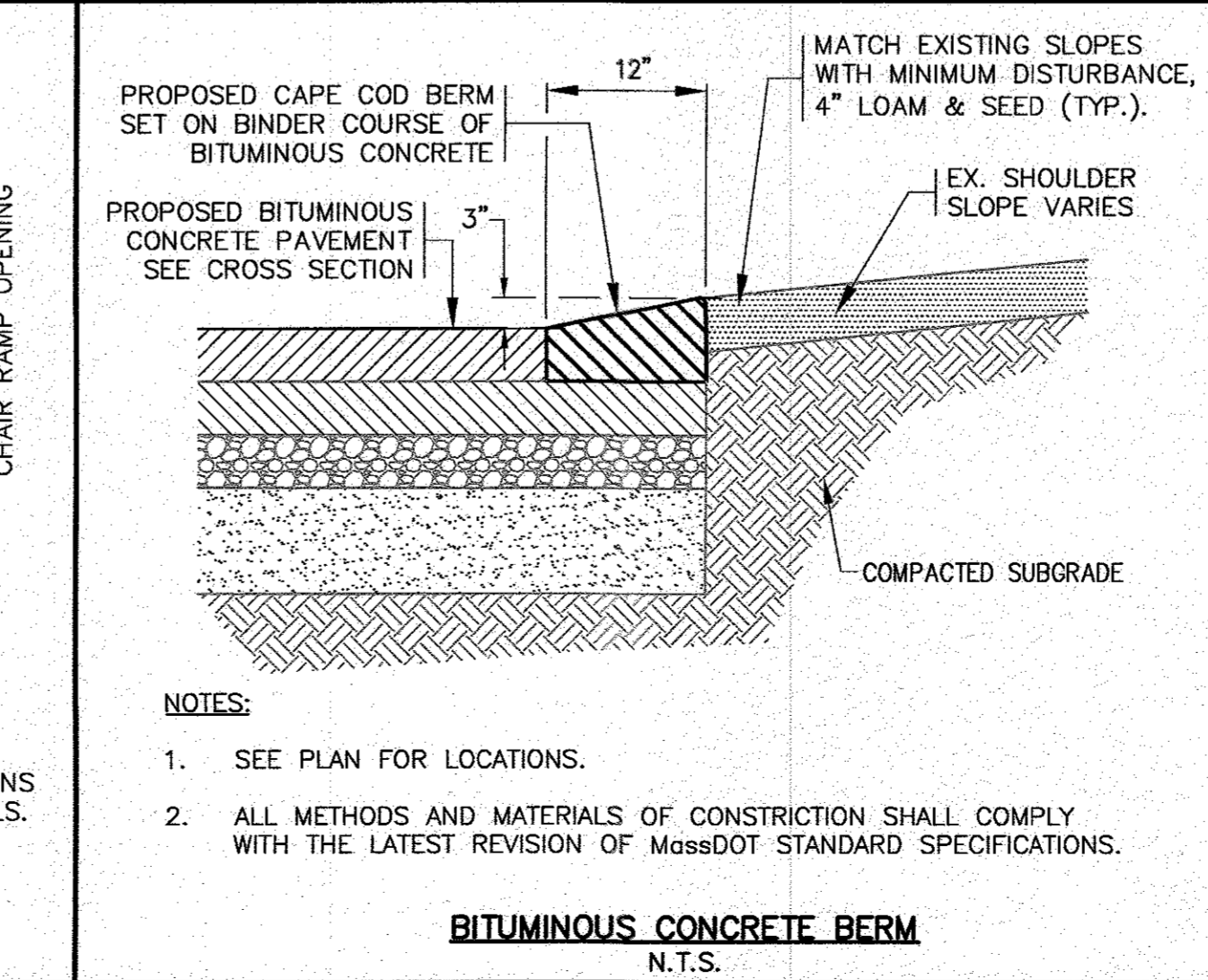
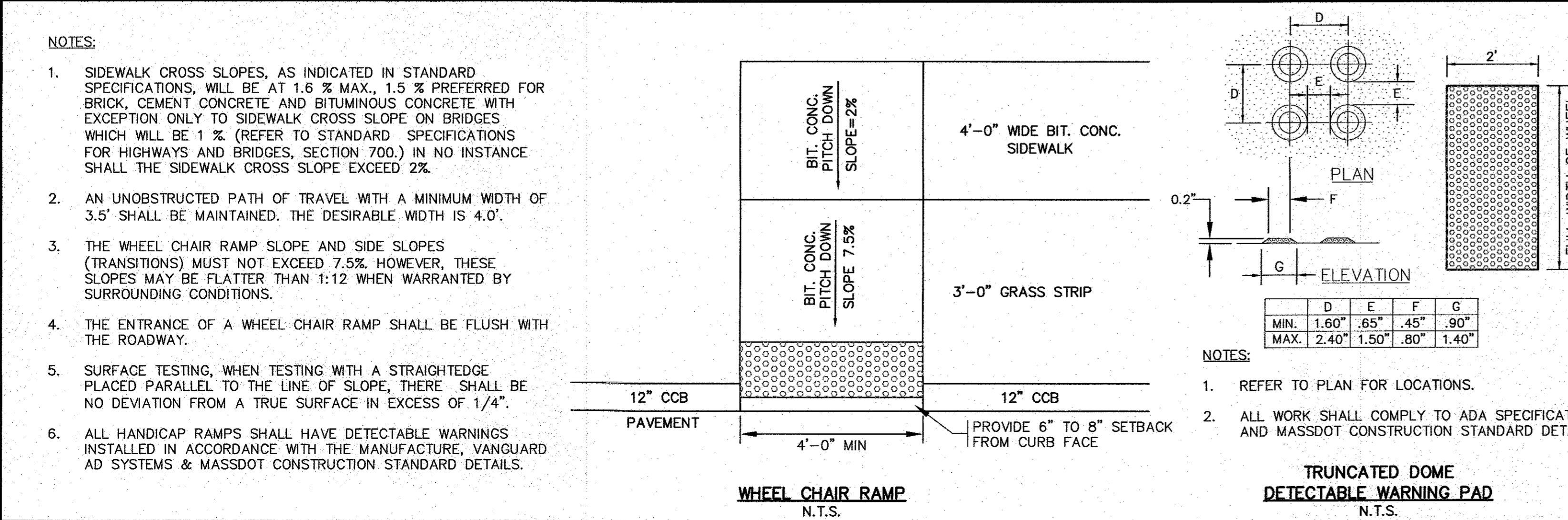
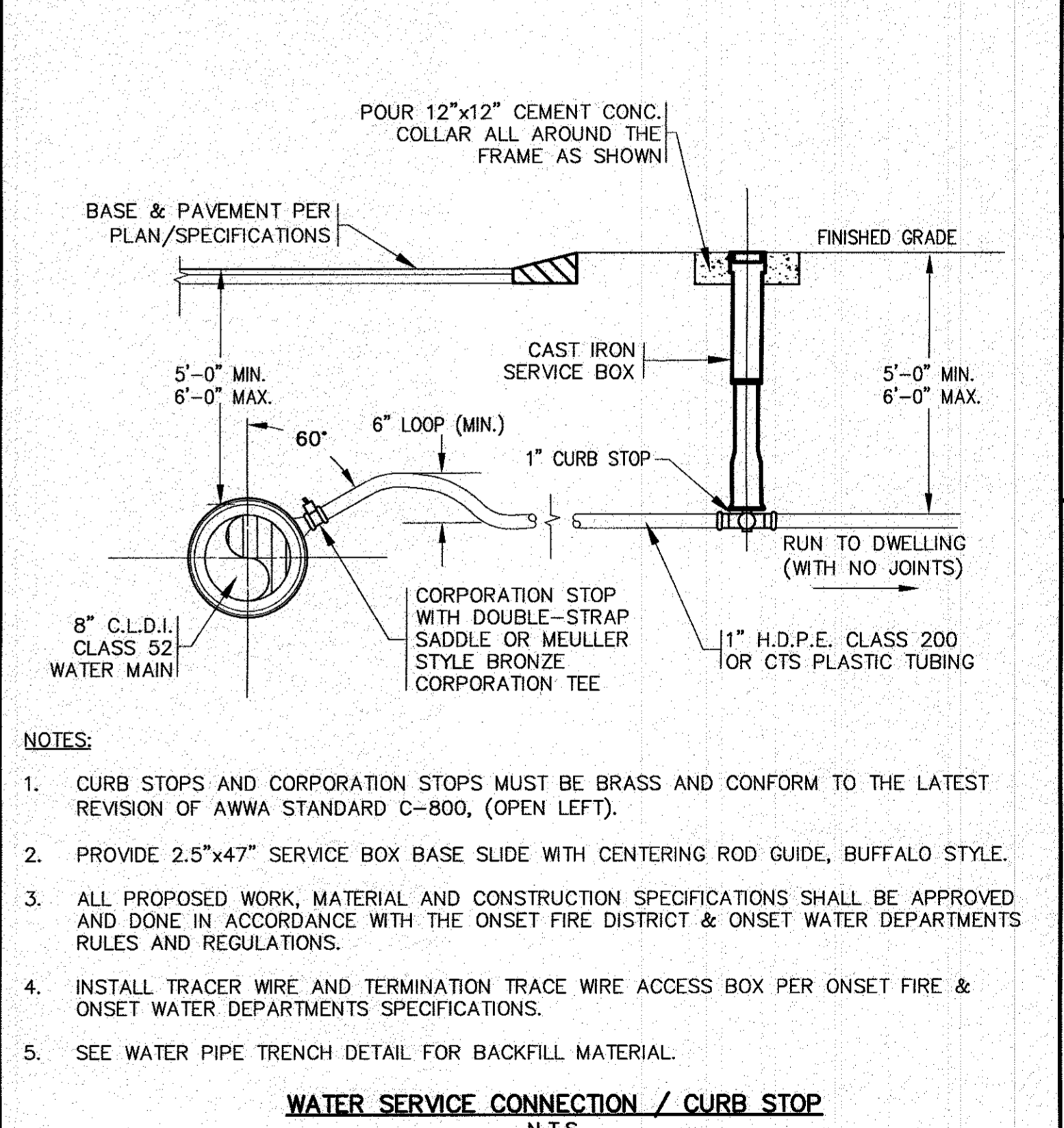
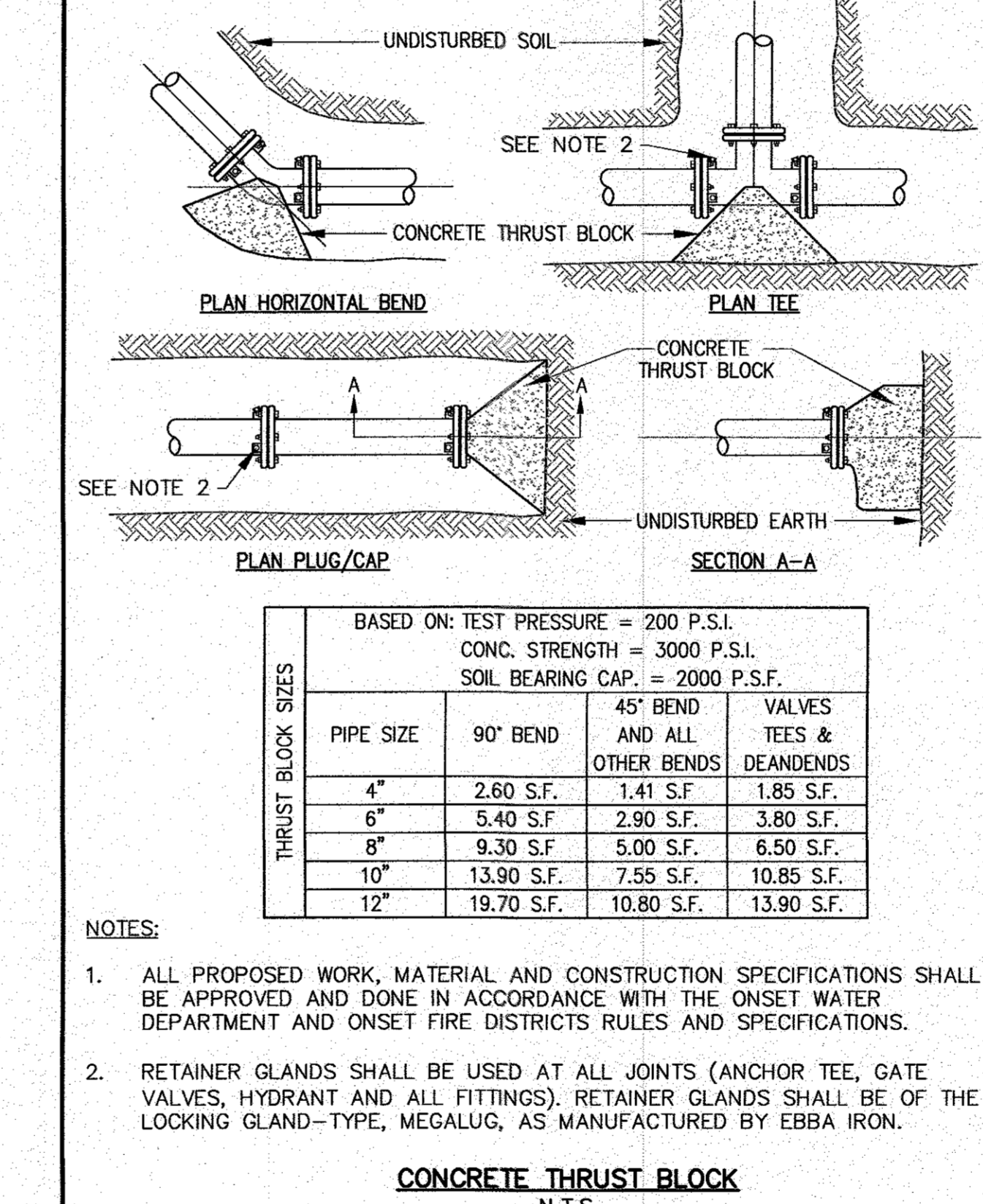
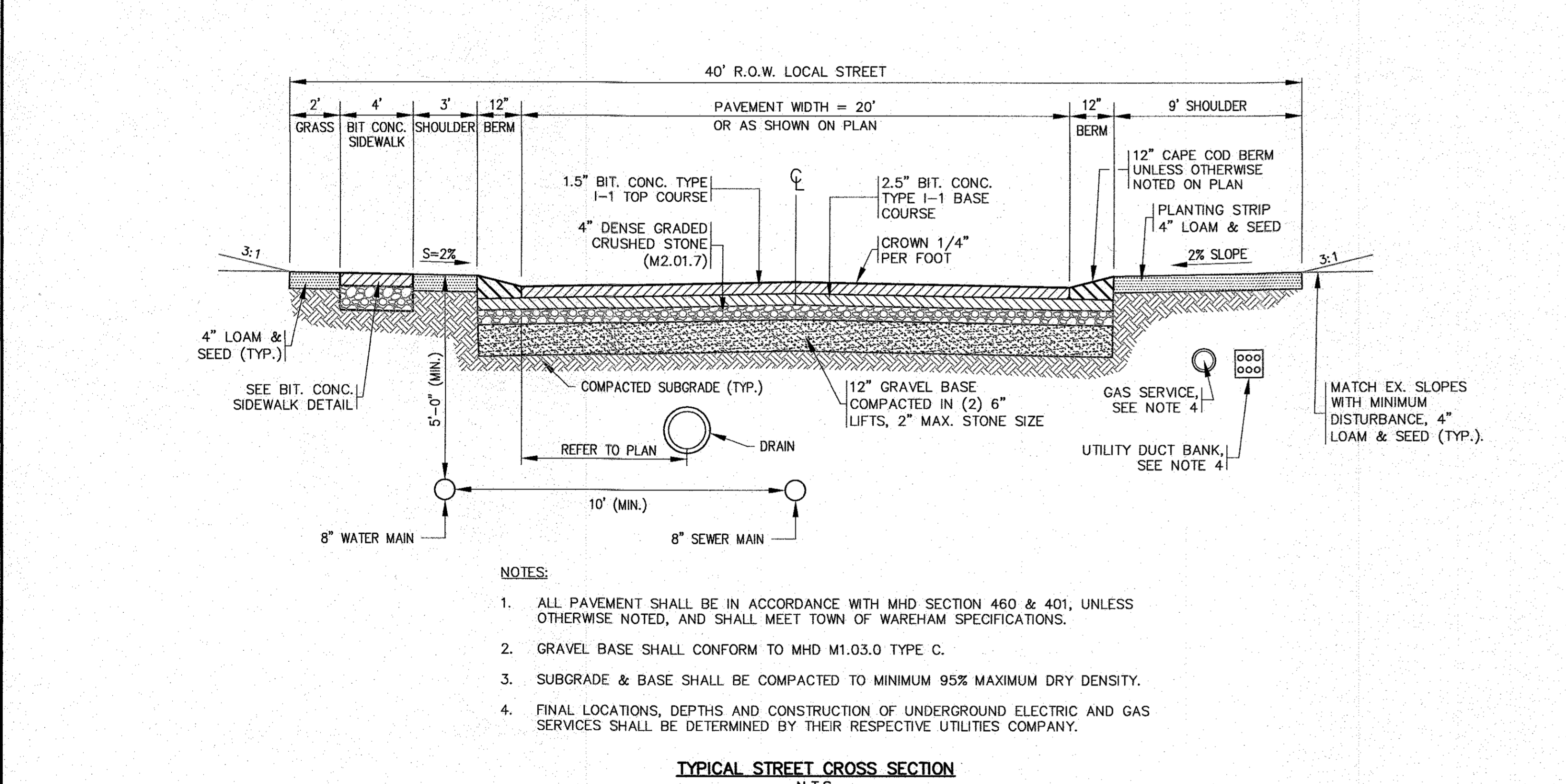
JOB NO.: 18-9247
 DWG. 8 OF 11

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PERMIT SET
(NOT FOR CONSTRUCTION)

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DATE: JAN. 12, 2021	DATE: JAN. 12, 2021	DATE: JAN. 12, 2021	DATE: JAN. 12, 2021	DATE: JAN. 12, 2021	DATE: JAN. 12, 2021
DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.	DRAWN BY: J.M.P.
CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.	CHECKED BY: W.F.M.
JOB NO.: 18-9247	JOB NO.: 18-9247	JOB NO.: 18-9247	JOB NO.: 18-9247	JOB NO.: 18-9247	JOB NO.: 18-9247
SCALE: N.T.S.	SCALE: N.T.S.	SCALE: N.T.S.	SCALE: N.T.S.	SCALE: N.T.S.	SCALE: N.T.S.
DATE	DATE	DATE	DATE	DATE	DATE
REV	REV	REV	REV	REV	REV
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APP'D	APP'D	APP'D	APP'D	APP'D	APP'D
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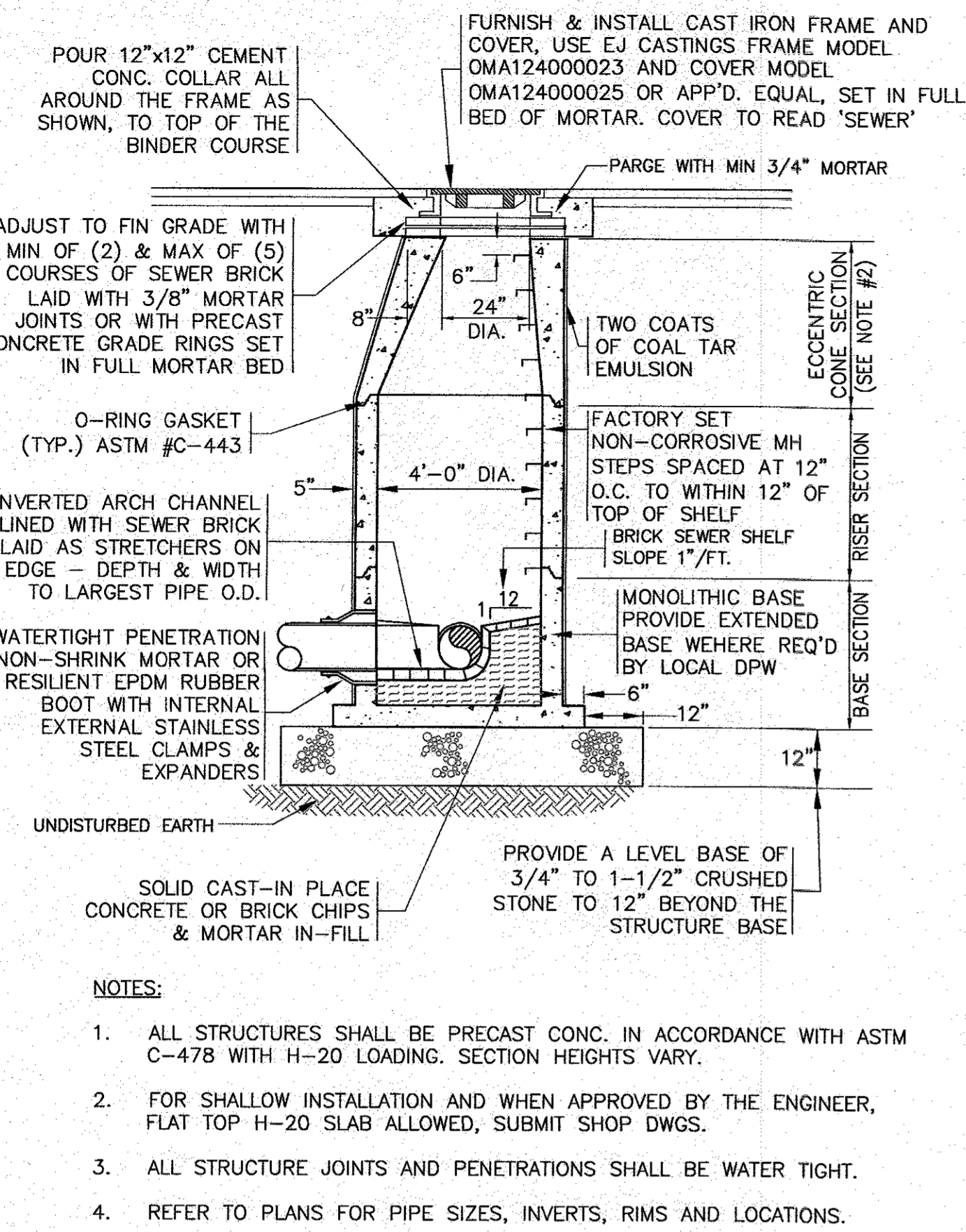
APPROVED BY: *[Signature]*

G.A.F. ENGINEERING, INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
286 MAIN STREET - WAREHAM, MA 02571
TEL: (508) 295-6600 FAX: (508) 295-6634
E-MAIL: info@gafengr.com

"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN
DETAIL SHEET 1

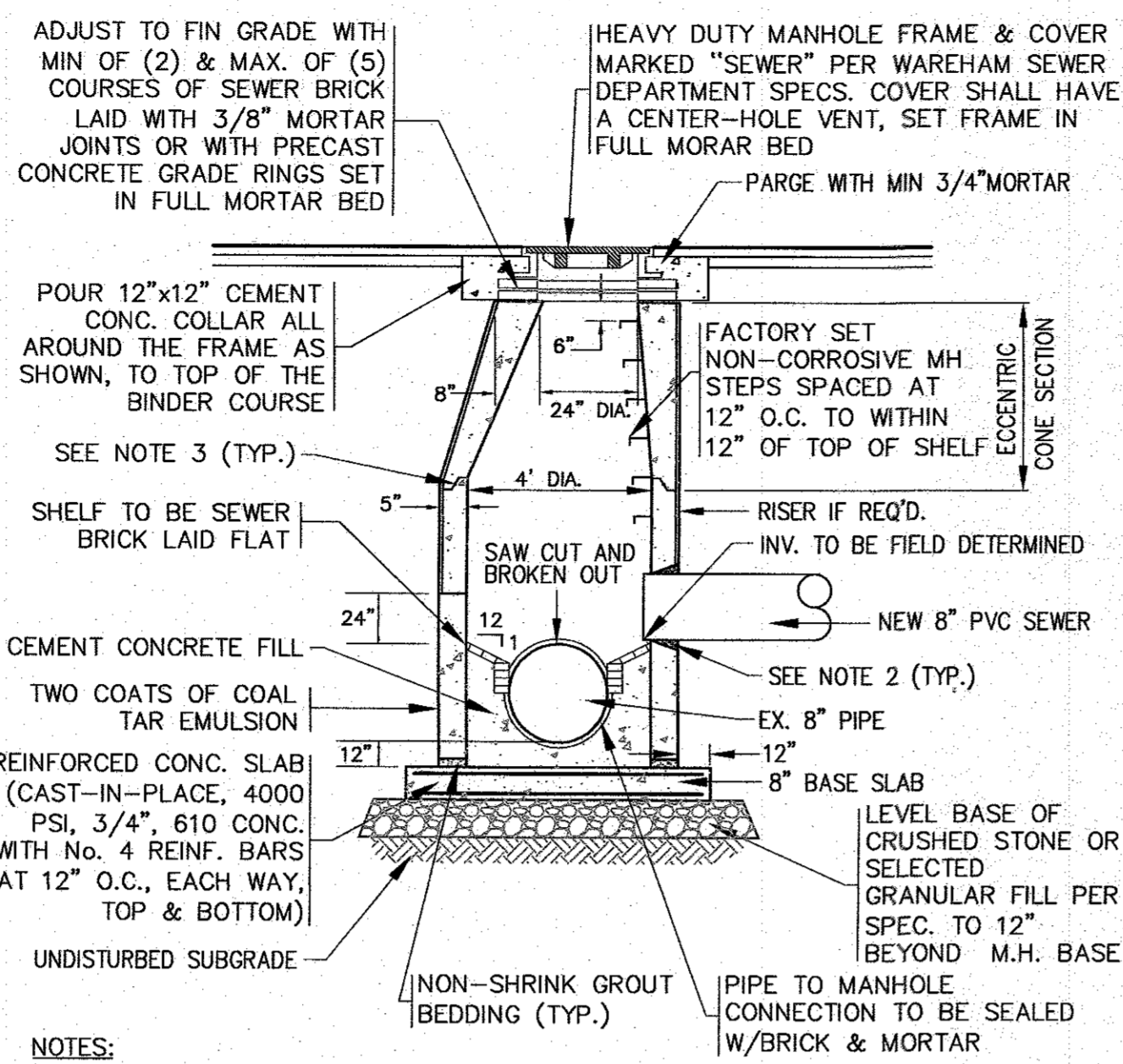
PREPARED FOR: **SETTLER'S GLEN, LLC**
20 NORTH PARK AVE., SUITE 4
PLYMOUTH, MA

JOB NO.: 18-9247
DWG. 9 OF 11



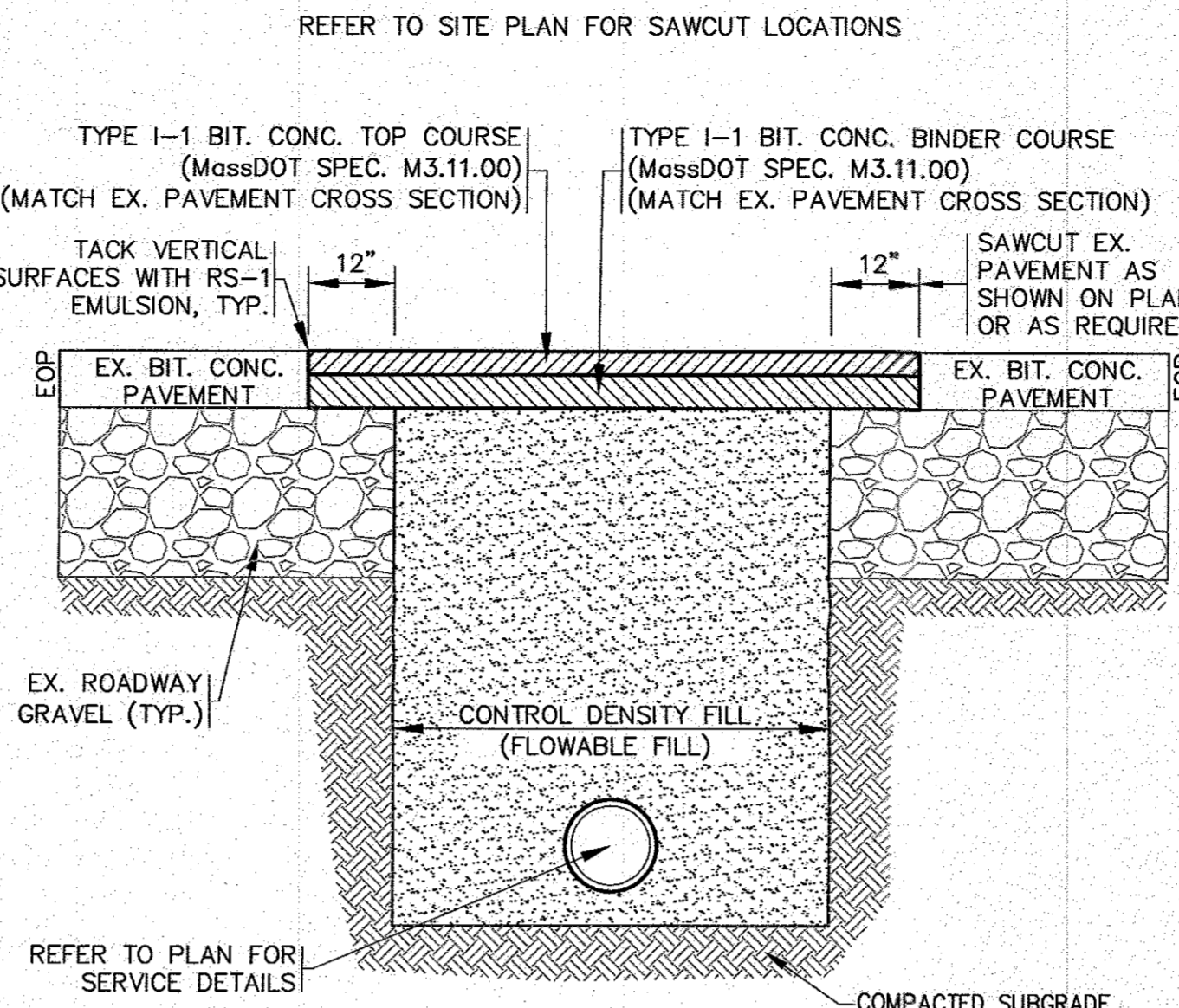
SEWER MANHOLE
N.T.S.

- NOTES:
1. ALL STRUCTURES SHALL BE PRECAST CONC. IN ACCORDANCE WITH ASTM C-478 WITH H-20 LOADING. SECTION HEIGHTS VARY.
 2. FOR SHALLOW INSTALLATION AND WHEN APPROVED BY THE ENGINEER, FLAT TOP H-20 SLAB ALLOWED, SUBMIT SHOP DWGS.
 3. ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT.
 4. REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.



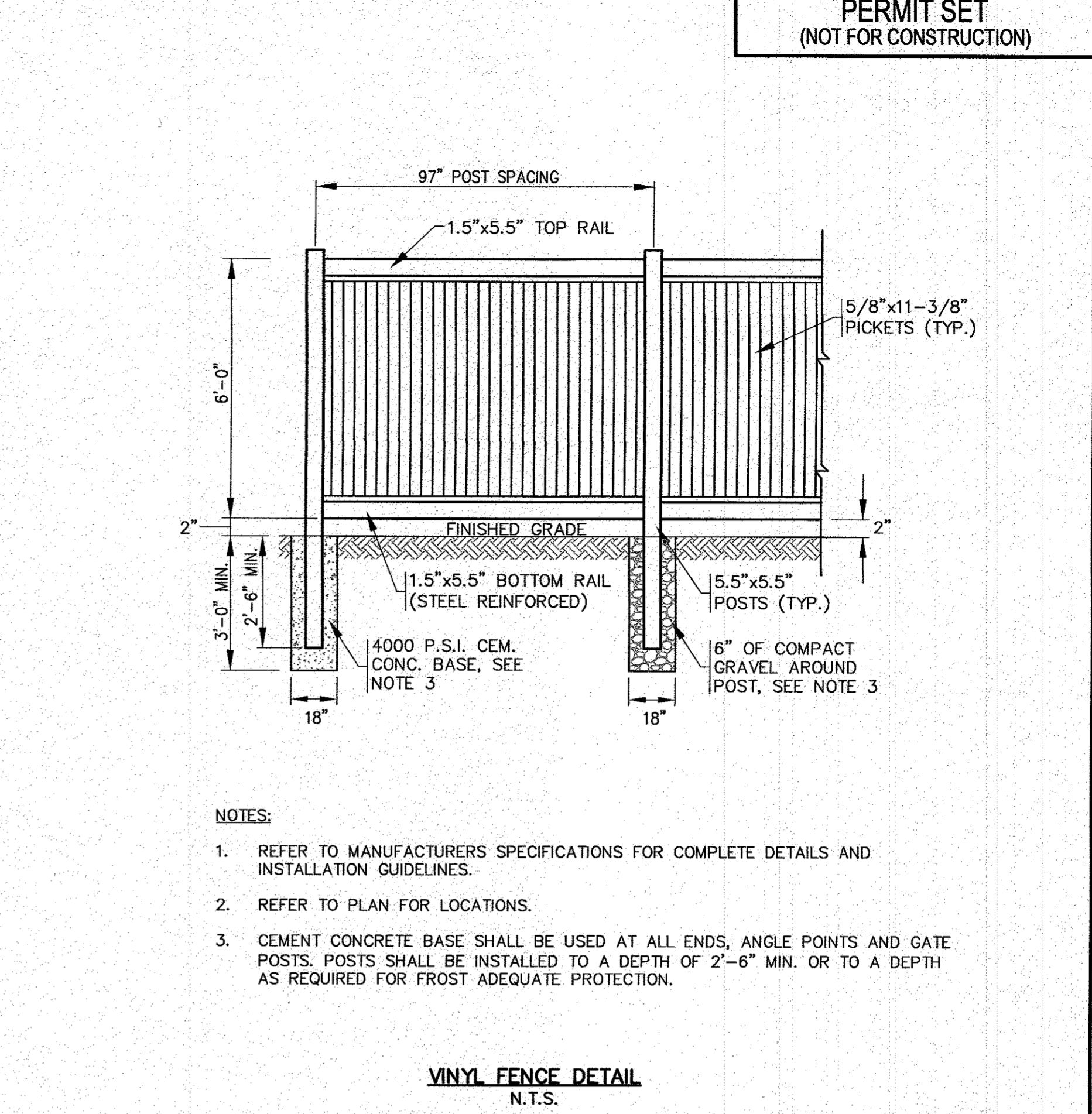
DOGHOUSE SEWER MANHOLE
N.T.S.

- NOTES:
1. ALL STRUCTURES SHALL BE PRECAST CONCRETE AND BE DESIGNED FOR HS-20 LOADING. SECTION HEIGHTS VARY.
 2. PROVIDE OPENINGS FOR PIPES WITH 2" MAX. CLEARANCE TO OUTSIDE OF PIPE. MORTAR ALL PIPE CONNECTIONS (NON-SHRINK GROUT).
 3. ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 4. REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.



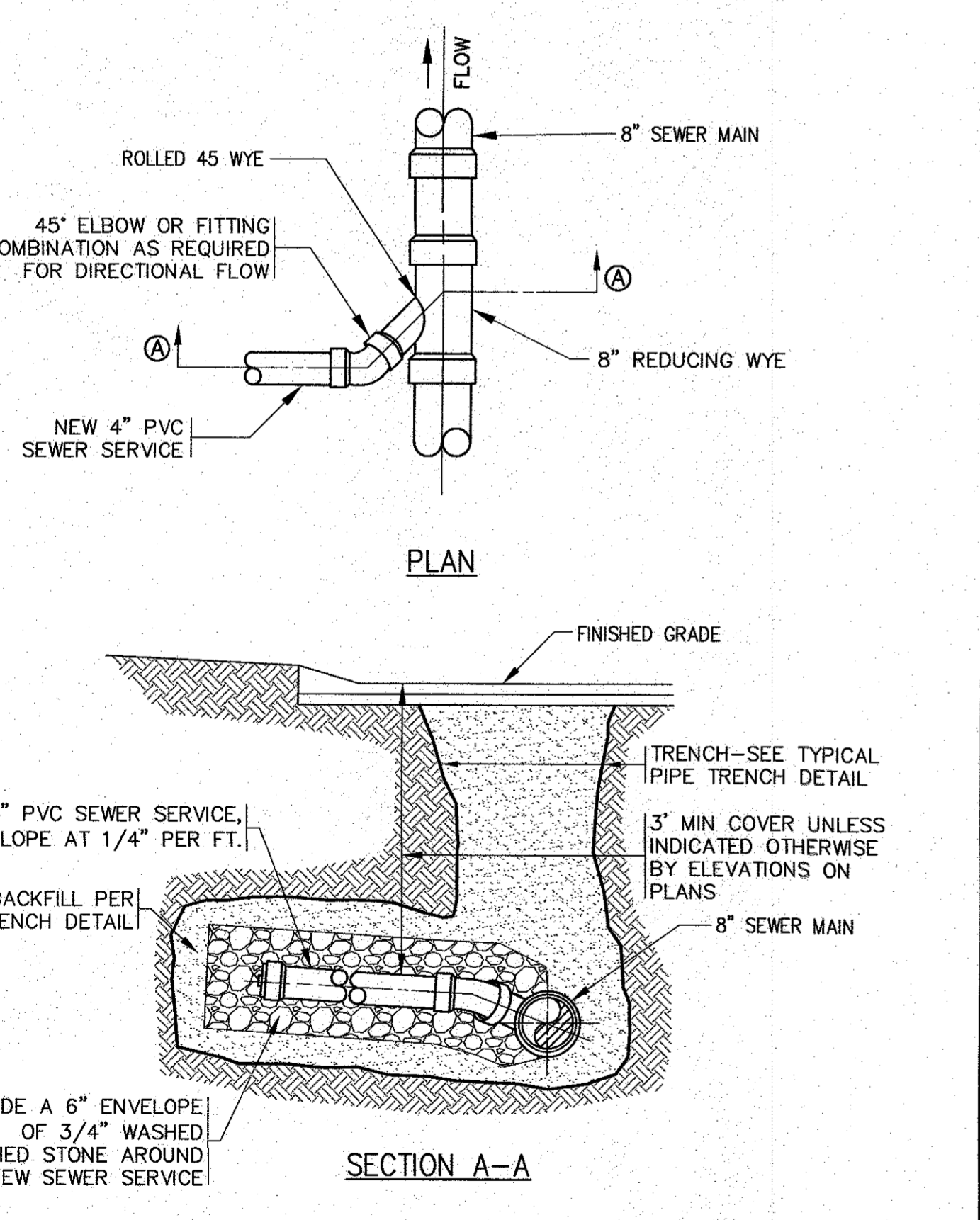
PAVEMENT SAWCUT / TRENCH REPAIR DETAIL
N.T.S.

- NOTES:
1. ALL PAVEMENT SHALL BE IN ACCORDANCE WITH MassDOT SECTION 460 & 401, UNLESS OTHERWISE NOTED.
 2. SUBGRADE & BASE SHALL BE COMPACTED TO MINIMUM 95% MAXIMUM DRY DENSITY.
 3. CONTROL DENSITY FILL (FLOWABLE FILL) SHALL CONFORM TO MassDOT M4.08.0 TYPE 1E OR TYPE 2E.
 4. ALL WORK IN THE STATE HIGHWAY LAYOUT SHALL CONFORM TO MassDOT SPECIFICATIONS AND DETAILS. REFER TO THE LATEST REVISIONS OF THE MassDOT STANDARD SPECIFICATIONS AND DETAILS FOR HIGHWAY AND BRIDGES.



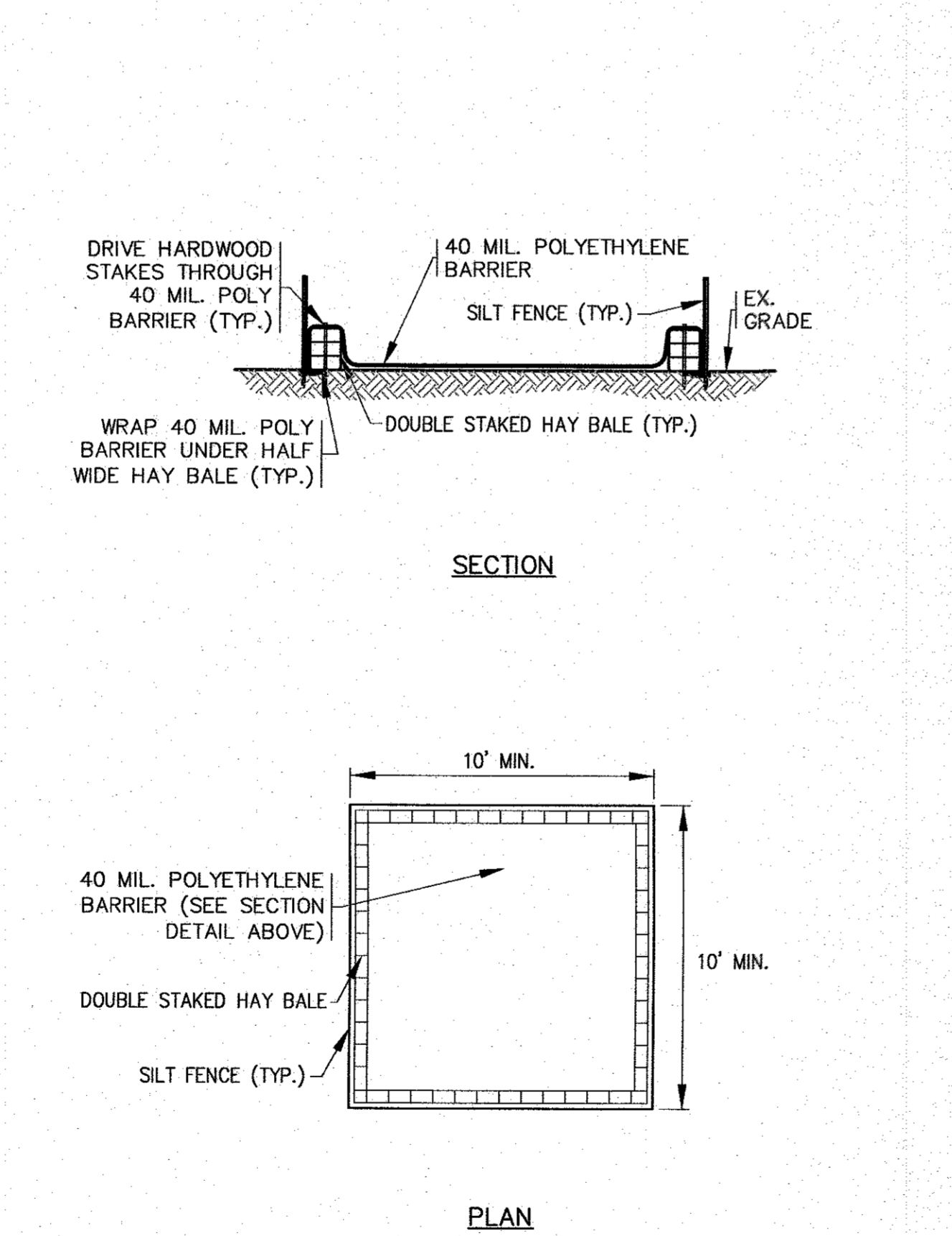
VINYL FENCE DETAIL
N.T.S.

- NOTES:
1. REFER TO MANUFACTURERS SPECIFICATIONS FOR COMPLETE DETAILS AND INSTALLATION GUIDELINES.
 2. REFER TO PLAN FOR LOCATIONS.
 3. CEMENT CONCRETE BASE SHALL BE USED AT ALL ENDS, ANGLE POINTS AND GATE POSTS. POSTS SHALL BE INSTALLED TO A DEPTH OF 2'-6" MIN. OR TO A DEPTH AS REQUIRED FOR FROST ADEQUATE PROTECTION.



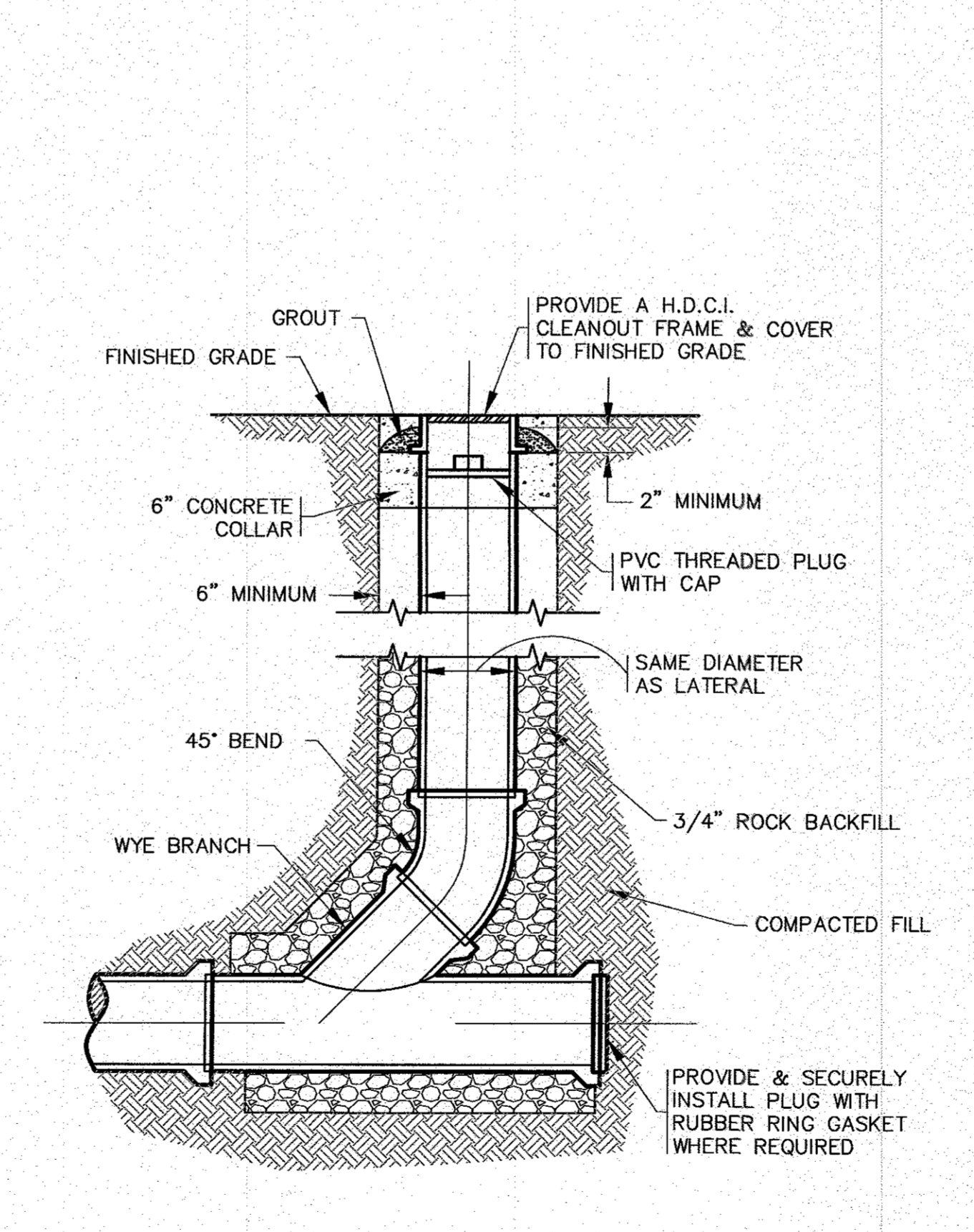
SANITARY SEWER CONNECTION DETAIL
N.T.S.

- NOTES:
1. REFER TO PLAN FOR LOCATIONS.
 2. EXISTING SANITARY SEWER MAIN SHALL BE SAWCUT AND REDUCING WYE SHALL BE INSTALLED AT PROPER ANGLE TO ALLOW 1% OR GREATER SLOPE TO THE NEW SANITARY SEWER SERVICE PIPE.
 3. ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS.
 4. CONTRACTOR TO COORDINATE WITH THE TOWN OF WAREHAM SEWER DEPARTMENT PRIOR TO CONSTRUCTION.
 5. A SERVICE CHIMNEY MAY BE SUBSTITUTED AS REQUIRED. CONTRACTOR SHALL COORDINATE WITH THE WAREHAM SEWER DEPARTMENT AND ENGINEER.



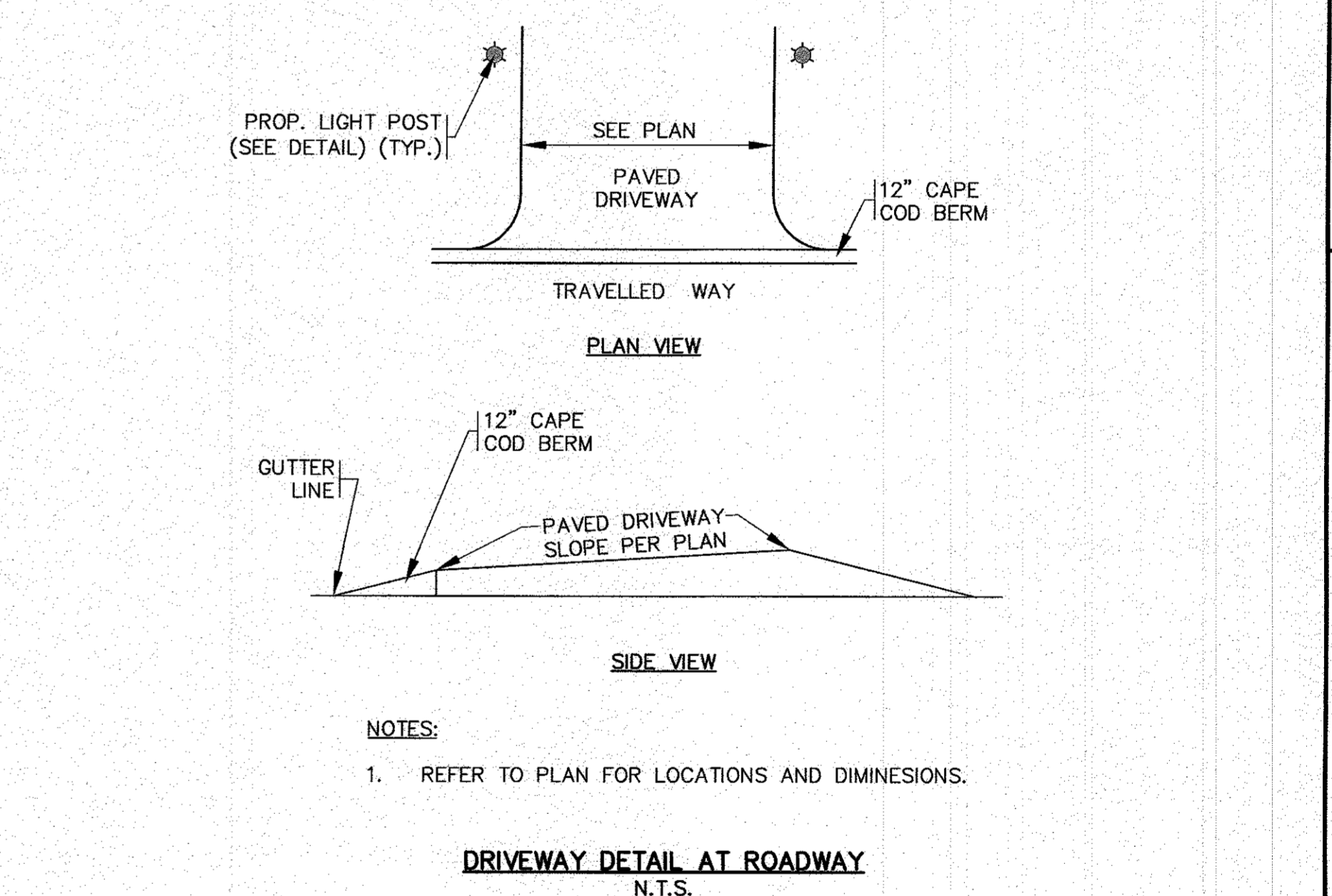
CONCRETE WASHOUT DETAIL
N.T.S.

- NOTES:
1. CONTRACTOR SHALL PROVIDE AND MAINTAIN CONCRETE WASHOUT AREA WHERE NECESSARY TO COMPLETE THE WORK.
 2. FINAL LOCATION FOR CONCRETE WASHOUT SHALL BE FIELD DETERMINED BY CONTRACTOR AT TIME OF CONSTRUCTION.
 3. CONTRACTOR SHALL REPAIR OR REPLACE 40 MIL. POLY BARRIER OR STAKED HAY BALES AS REQUIRED.



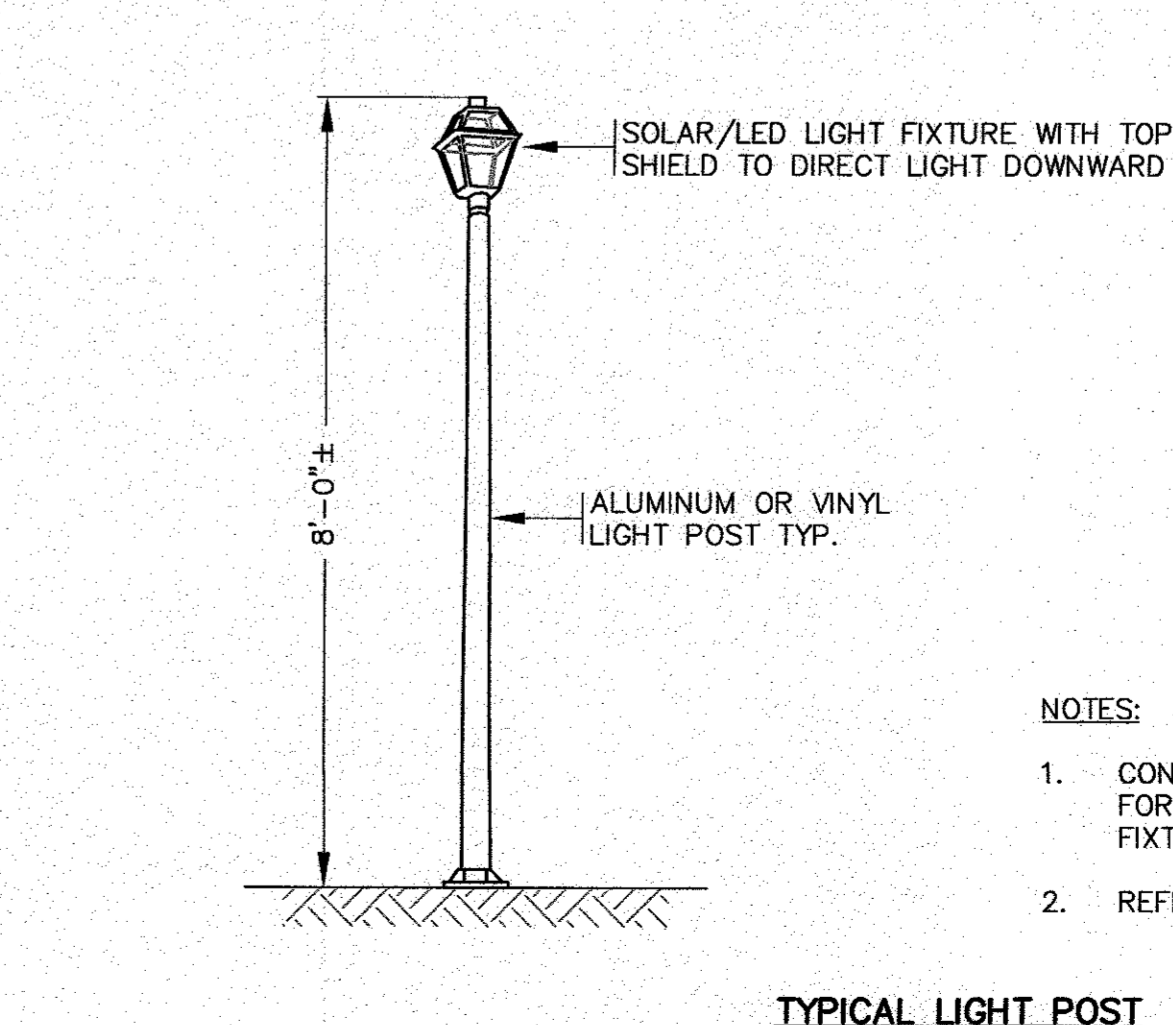
STANDARD CLEANOUT
N.T.S.

- NOTES:
1. REFER TO PLAN FOR LOCATIONS.
 2. ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS.



DRIVEWAY DETAIL AT ROADWAY
N.T.S.

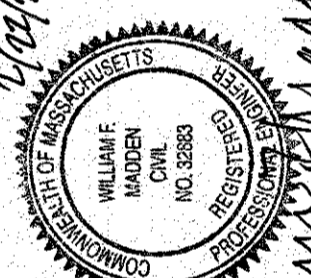
- NOTES:
1. REFER TO PLAN FOR LOCATIONS AND DIMENSIONS.



TYPICAL LIGHT POST
N.T.S.

- NOTES:
1. CONTRACTOR TO COORDINATE WITH OWNER FOR FINAL LIGHT POST AND LIGHTING FIXTURE SPECIFICATIONS AND DETAILS.
 2. REFER TO PLAN FOR LOCATIONS.

PERMIT SET (NOT FOR CONSTRUCTION)							
NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET	NO CHANGES THIS SHEET
JMP	WFM	JMP	WFM	JMP	WFM	JMP	WFM
2/22/22	12/1/21	8/31/21	5/11/21	4/26/21			
5	4	3	2	1			
DATE: JAN. 12, 2021	DRAWN BY: JMP	CHECKED BY: WFM	JOB NO.: 18-9247	SCALE: N.T.S.	APPROVED BY:		

APPROVED BY: 

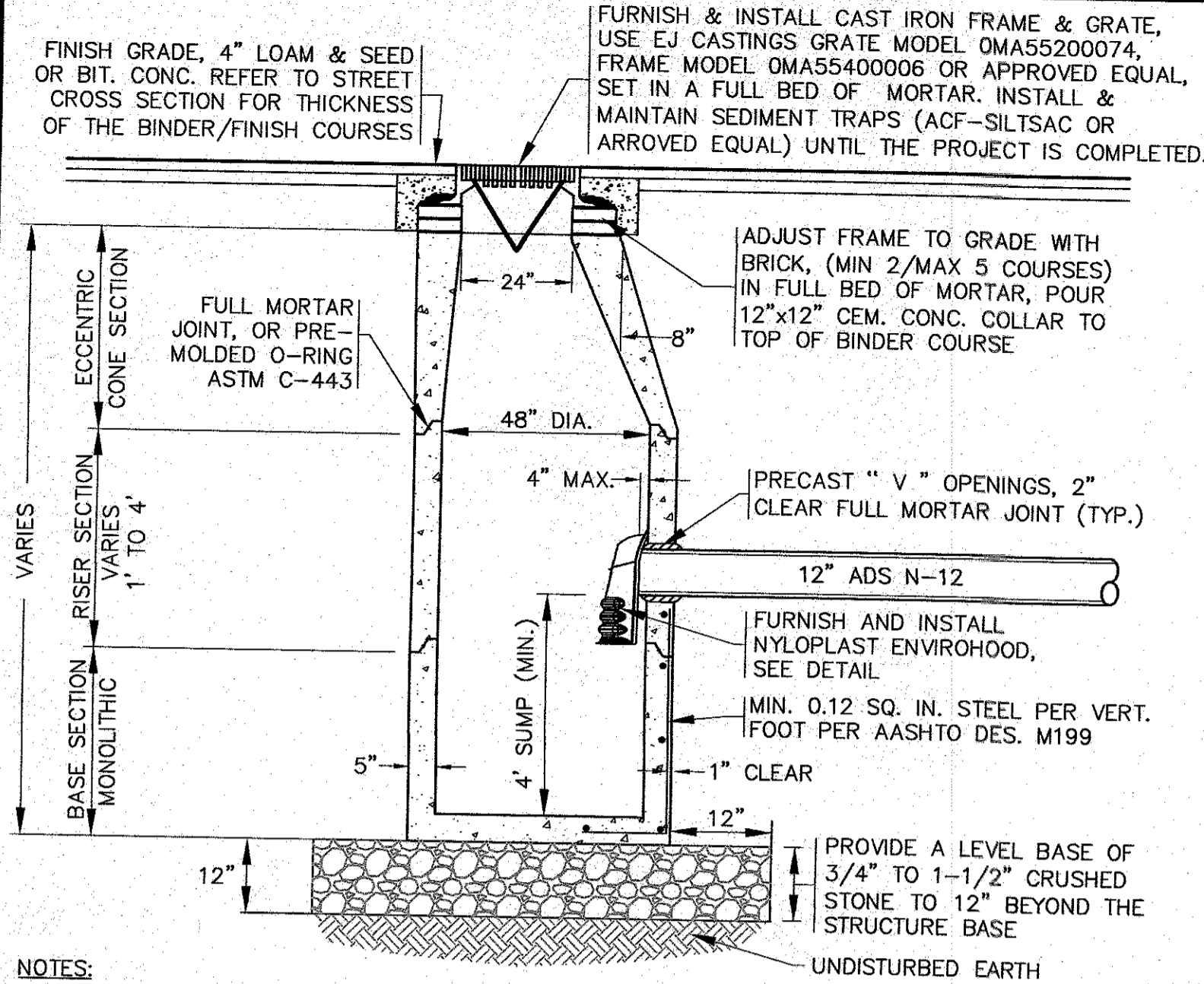
G.A.F. ENGINEERING, INC.
PROFESSIONAL ENGINEERS & LAND SURVEYORS
266 MAIN STREET - WAREHAM, MA 02571
TEL: (508) 295-8600 FAX: (508) 295-8634
E-MAIL: info@gafengrcc.com

"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN DETAIL SHEET 2

PREPARED FOR: WAREHAM, MA
RED BROOK ROAD

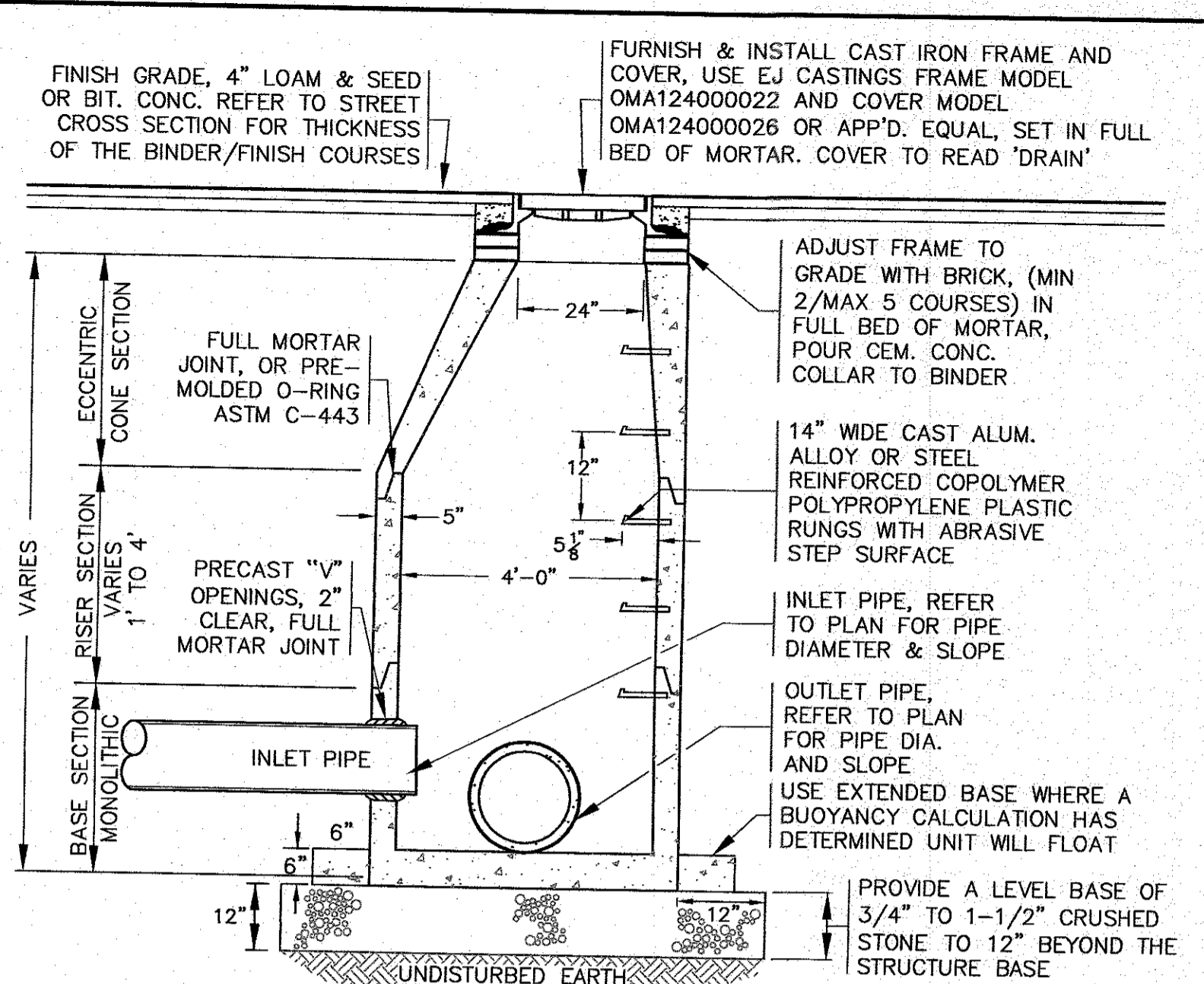
SETTLER'S GLEN, LLC
20 NORTH PARK AVE., SUITE 4
PLYMOUTH, MA

JOB NO.: 18-9247
DWG. 10 OF 11



- NOTES:**
- STRUCTURES SHALL BE PRECAST CONCRETE IN ACCORDANCE WITH ASTM C-478, WITH H-20 LOADING, SECTION HEIGHTS VARY. CONCRETE STRENGTH 4000 PSI @ 28 DAYS.
 - FOR SHALLOW INSTALLATION AND WHEN APPROVED BY THE ENGINEER, A FLAT TOP H-20 SLAB WITH A 24" OPENING CAST ECCENTRICALLY MAY BE USED. CONTRACTOR TO SUBMIT SHOP DRAWINGS.
 - ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT.
 - REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.
 - IF THE TOP COURSE OF PAVEMENT IS NOT INSTALLED IMMEDIATELY AFTER THE BASE COURSE, CATCH BASIN RIMS SHALL BE SET TO THE BASE COURSE OF PAVEMENT AND THEN RAISED WHEN THE TOP COURSE OF PAVEMENT IS INSTALLED.

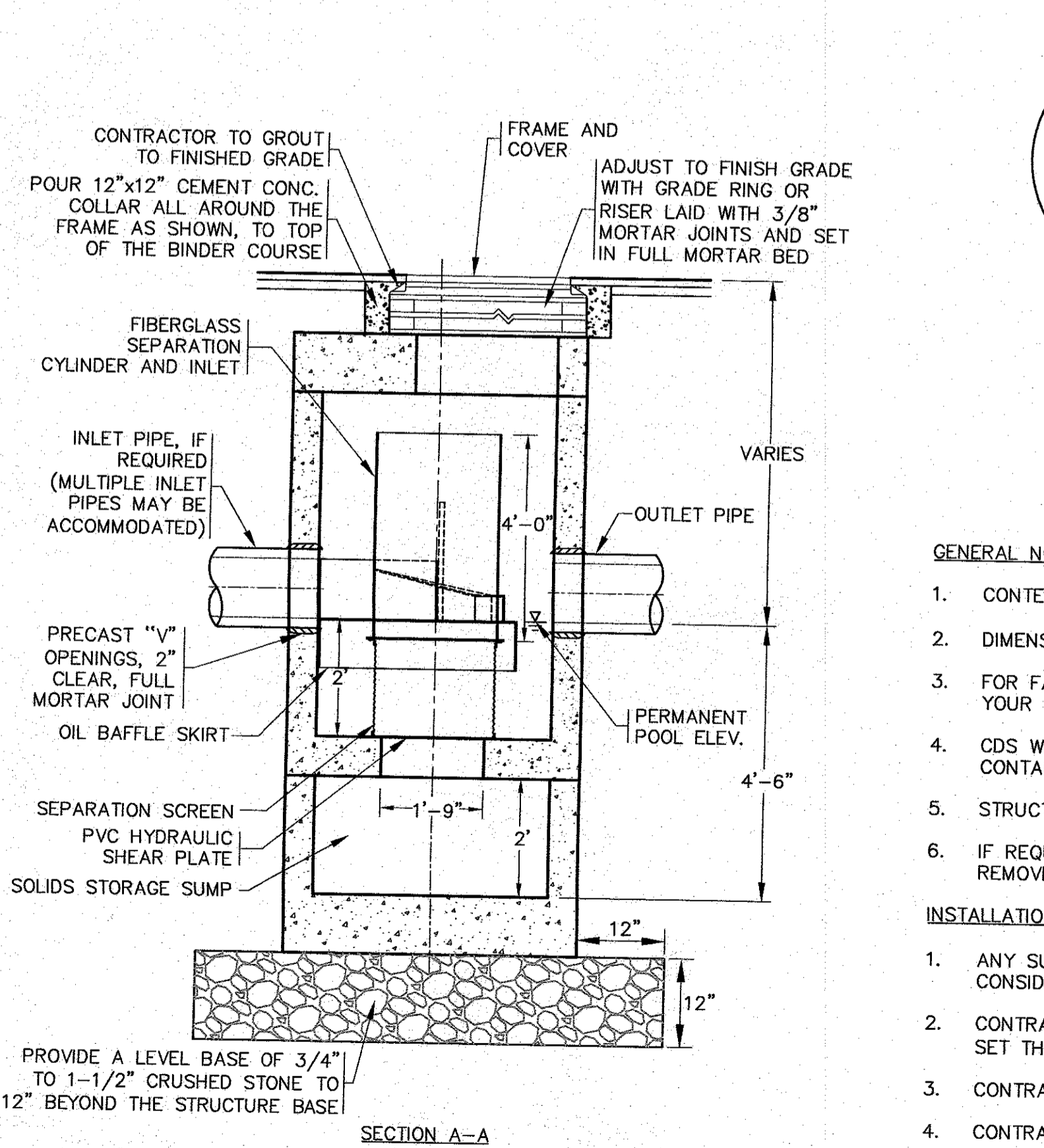
PRECAST CONCRETE CATCH BASIN
N.T.S.



- NOTES:**
- STRUCTURES SHALL BE PRECAST CONCRETE IN ACCORDANCE WITH ASTM C-478, WITH H-20 LOADING, SECTION HEIGHTS VARY. CONCRETE STRENGTH 4000 PSI @ 28 DAYS.
 - FOR SHALLOW INSTALLATION AND WHEN APPROVED BY THE ENGINEER, A FLAT TOP H-20 SLAB WITH A 24" OPENING CAST ECCENTRICALLY MAY BE USED. REFER TO SEPARATE DETAIL HEREON.
 - ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT.
 - REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.
 - WHERE REQUIRED PROVIDE 'U' SHAPED BRICK INVERT, OR FOR STRAIGHT LINES RUN PIPE THROUGH THE MANHOLE AND CUT THE TOP OF THE PIPE OFF.

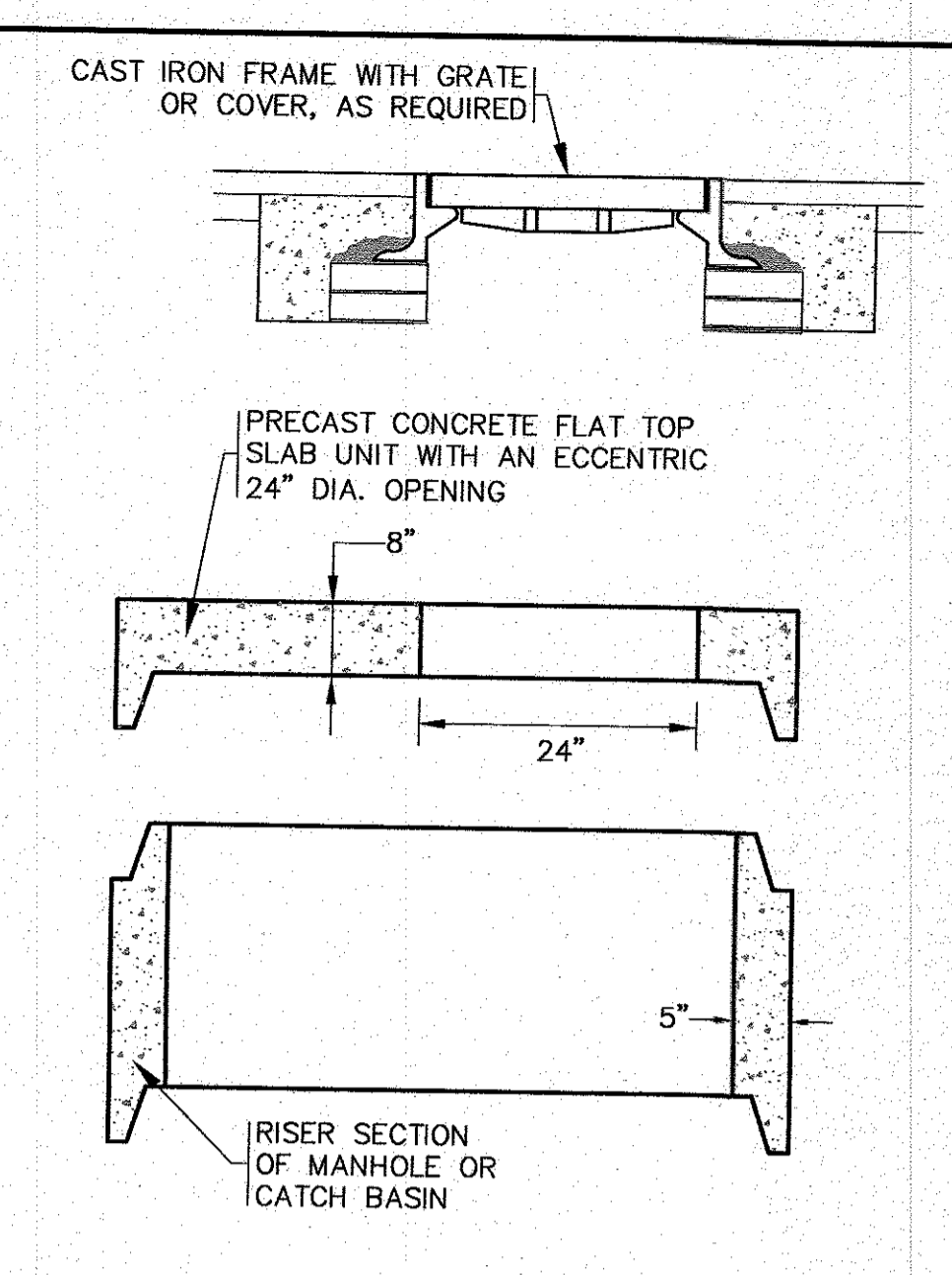
PRECAST CONCRETE DRAIN MANHOLE
N.T.S.

- NOTES:**
- FOR COMPLETE DETAILS REFER TO MANUFACTURERS SPECIFICATIONS.
 - REFER TO PLAN FOR LOCATION, ELEVATIONS AND INVERTS.



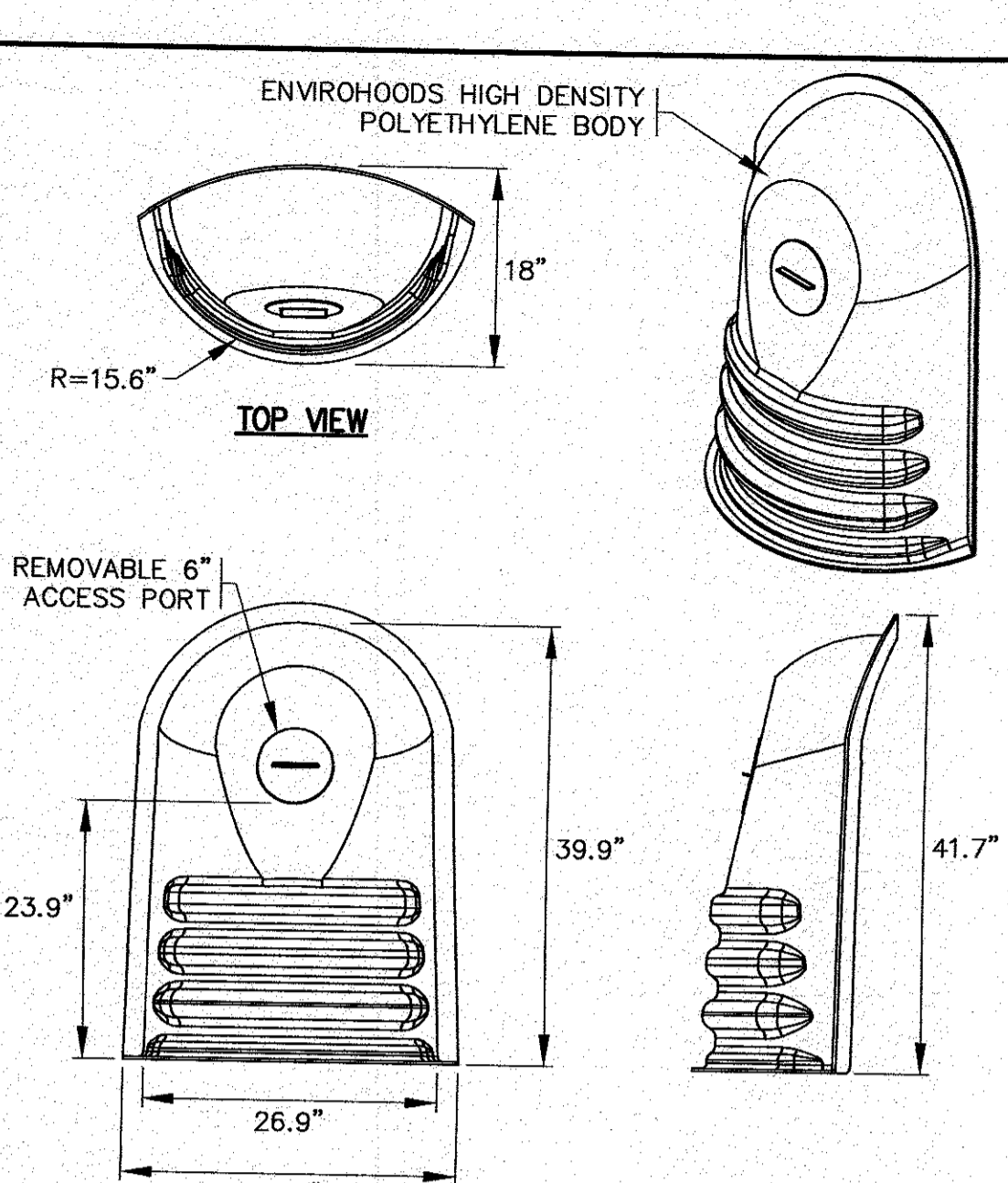
PRECAST CONCRETE WATER QUALITY STRUCTURE-1 (CDS2015-4-C)
N.T.S.

- GENERAL NOTES:**
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 - DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
 - FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH STORMWATER SOLUTIONS REPRESENTATIVE. www.contechstormwater.com
 - CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
 - STRUCTURE AND CASTINGS SHALL MEET AASHTO HS20 LOAD RATING.
 - IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.
- INSTALLATION NOTES:**
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
 - CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
 - CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
 - CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
 - 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.



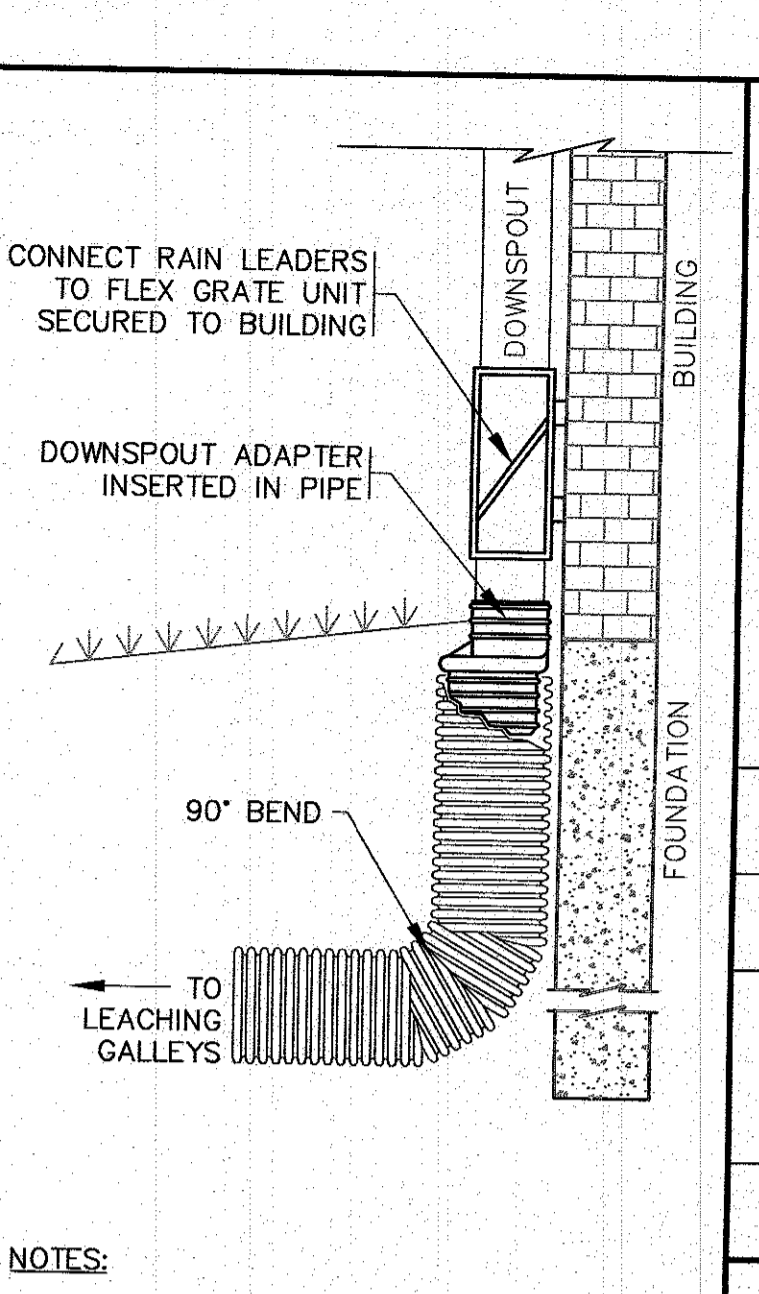
FLAT TOP SLAB
N.T.S.

- NOTES:**
- FOR COMPLETE DETAILS REFER TO MANUFACTURERS SPECIFICATIONS.
 - CONTRACTOR TO SUBMIT SHOP DRAWINGS.



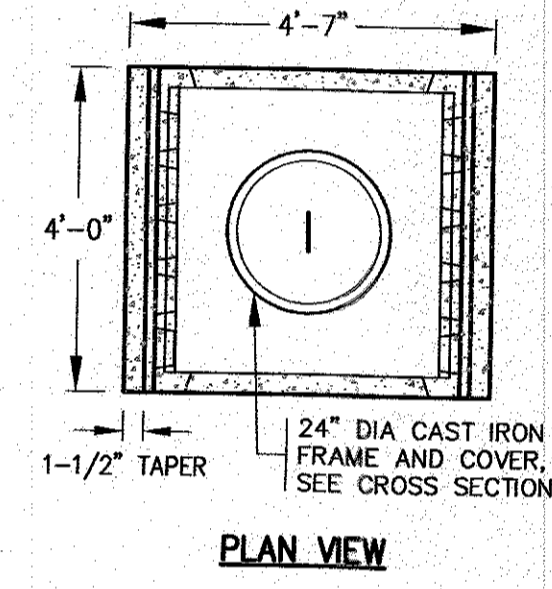
NYLOPLAST ENVIROHOOD
N.T.S.

- NOTES:**
- FOR COMPLETE DETAILS REFER TO MANUFACTURERS SPECIFICATIONS.
 - CONTRACTOR TO SUBMIT SHOP DRAWINGS. PART NO. 5824AGR.

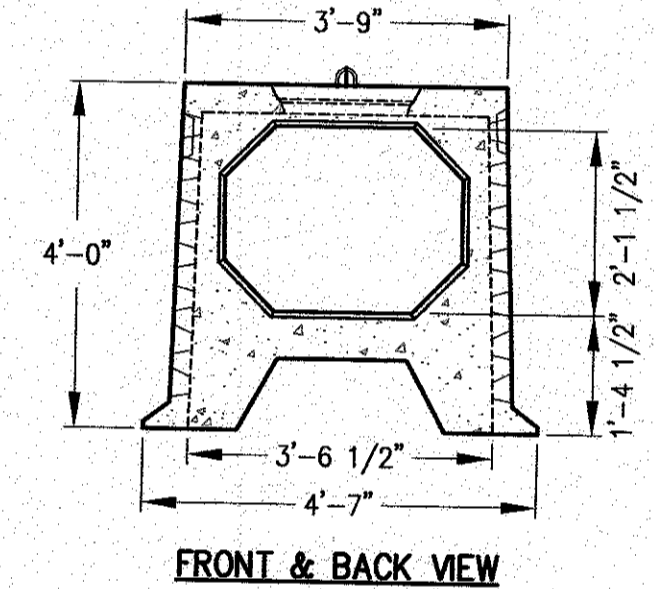


DOWNSPOUT DETAIL
N.T.S.

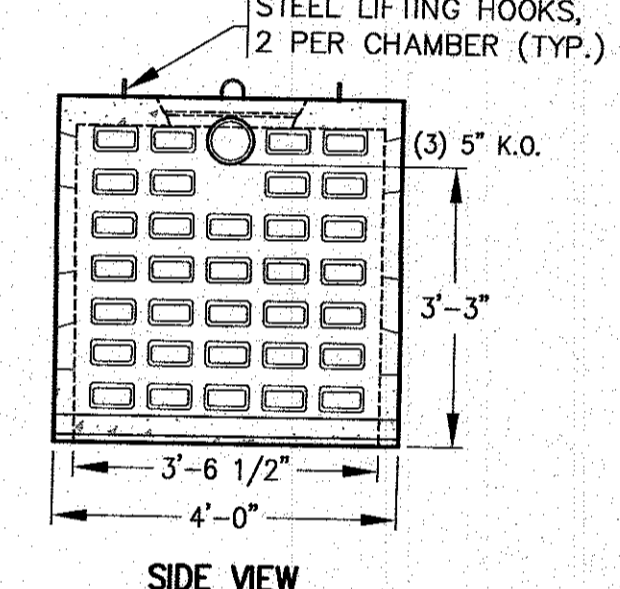
- NOTES:**
- REFER TO SITE PLAN FOR LOCATIONS, PIPE SIZES, INVERTS, ETC.
 - REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT SIZES AND LOCATIONS.



PLAN VIEW

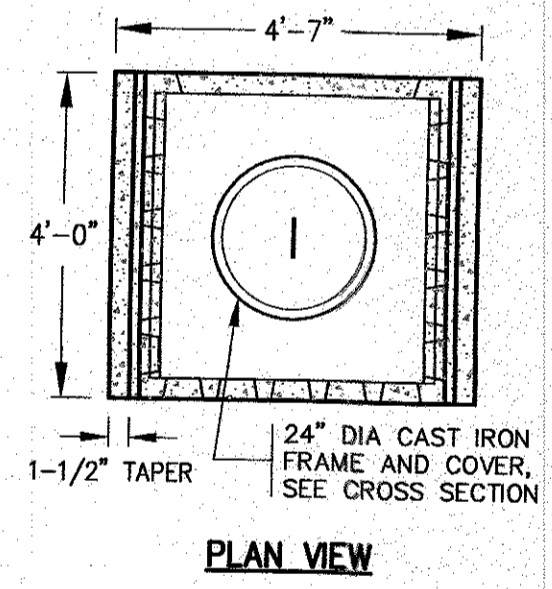


FRONT & BACK VIEW

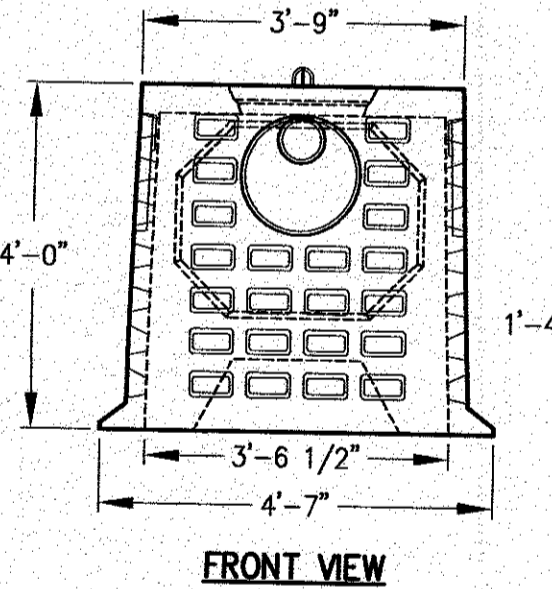


SIDE VIEW

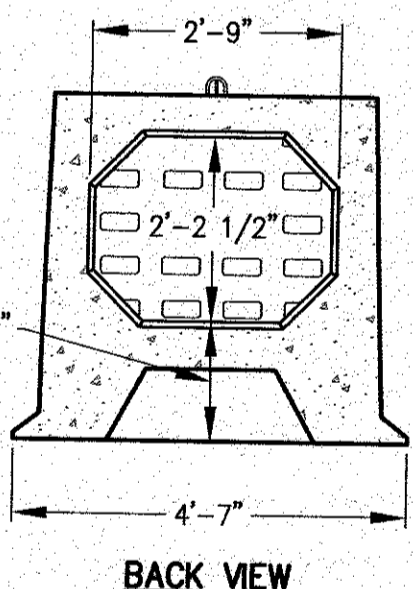
LEACHING GALLEY CENTER SECTION
N.T.S.



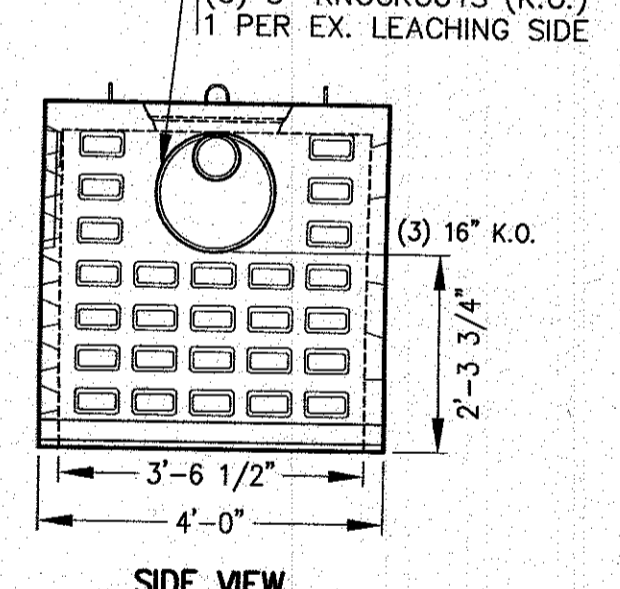
PLAN VIEW



FRONT VIEW



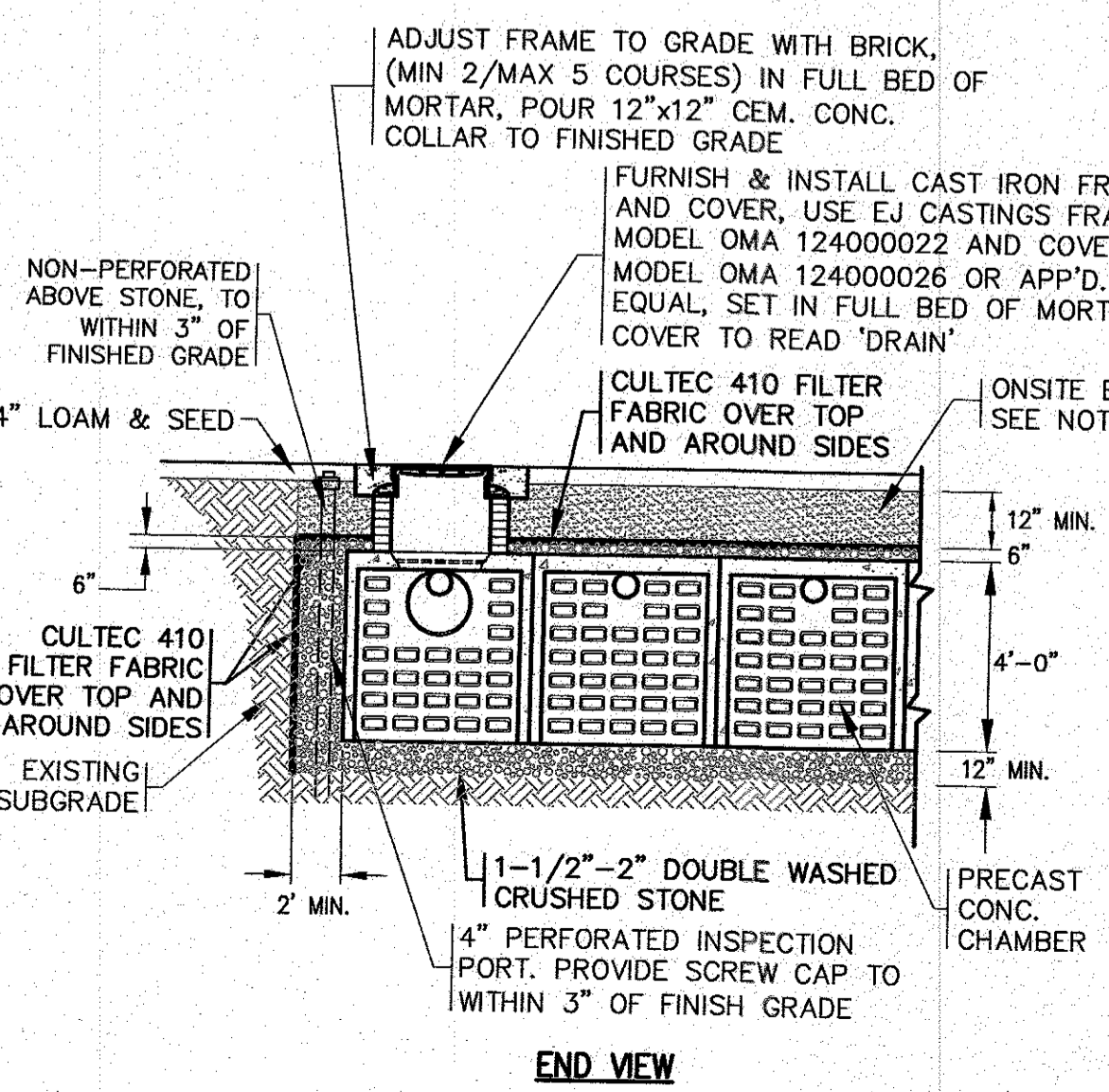
BACK VIEW



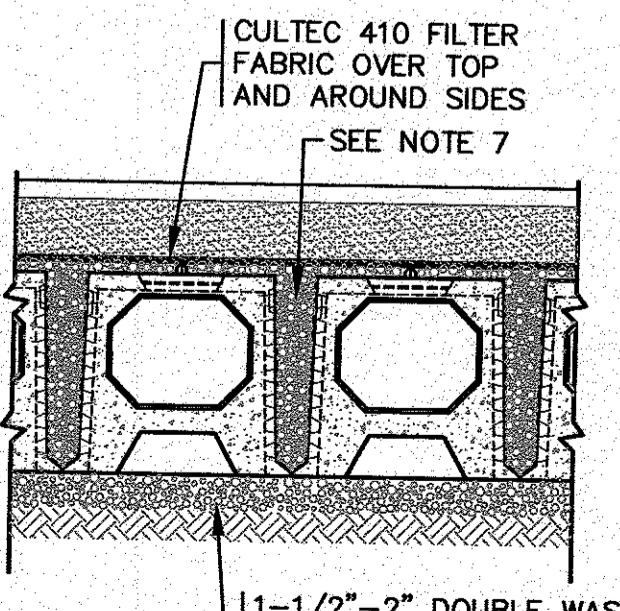
SIDE VIEW

LEACHING GALLEY END SECTION
N.T.S.

- 4'x4' GALLEY NOTES:**
- CONCRETE: 5,000 PSI MINIMUM AFTER 28 DAYS.
 - DESIGNED FOR HS-20 LOADING.
 - GALLEY AVAILABLE IN BOTH END AND CENTER SECTIONS. CENTER SECTIONS HAVE LARGE OPENING IN BOTH THE BACK AND FRONT SIDES.
 - REFER TO GRADING AND DRAINAGE SHEET FOR GALLEY AND STONE ELEVATIONS.
 - REFER TO GRADING AND DRAINAGE SHEET FOR INVERTS.
 - USE ON SITE BACKFILL OVER CONC. GALLEYS WHERE GALLEYS ARE NOT UNDER PAVEMENT. WHEN GALLEYS ARE UNDER PAVEMENT REFER TO PAVEMENT CROSS SECTION.
 - FILL ANY GAPS BETWEEN GALLEY CHAMBERS WITH 1-1/2"-2" DOUBLE WASHED CRUSHED STONE.



END VIEW



CENTER CROSS SECTION

PRECAST CONCRETE LEACHING GALLEYS
N.T.S.

REV.	DATE	BY	APP'D	DESCRIPTION
5	2/22/22	JMP	WFM	NO CHANGES THIS SHEET
4	12/1/21	JMP	WFM	ONSET WATER DEPARTMENT COMMENTS
3	8/31/21	JMP	WFM	NAME CHANGE, REV. GALLEY DETAIL
2	5/11/21	JMP	WFM	PER 2ND PEER REVIEW LETTER
1	4/26/21	JMP	WFM	PER TOWN & PEER COMMENTS

DATE: JAN. 12, 2021
 DRAWN BY: JMP
 CHECKED BY: WFM
 JOB NO.: 18-9247
 SCALE: N.T.S.

APPROVED BY: *[Signature]*
 WILLIAM W. HADEN
 NO. 2008
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF MASSACHUSETTS

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"SETTLER'S GLEN" COMPREHENSIVE PERMIT PLAN DETAIL SHEET 3
 WAREHAM, MA
 PREPARED FOR:
SETTLER'S GLEN, LLC
 20 NORTH PARK AVE., SUITE 4
 PLYMOUTH, MA

JOB NO.: 18-9247
 DWG. 11 OF 11

PERMIT SET
 (NOT FOR CONSTRUCTION)