

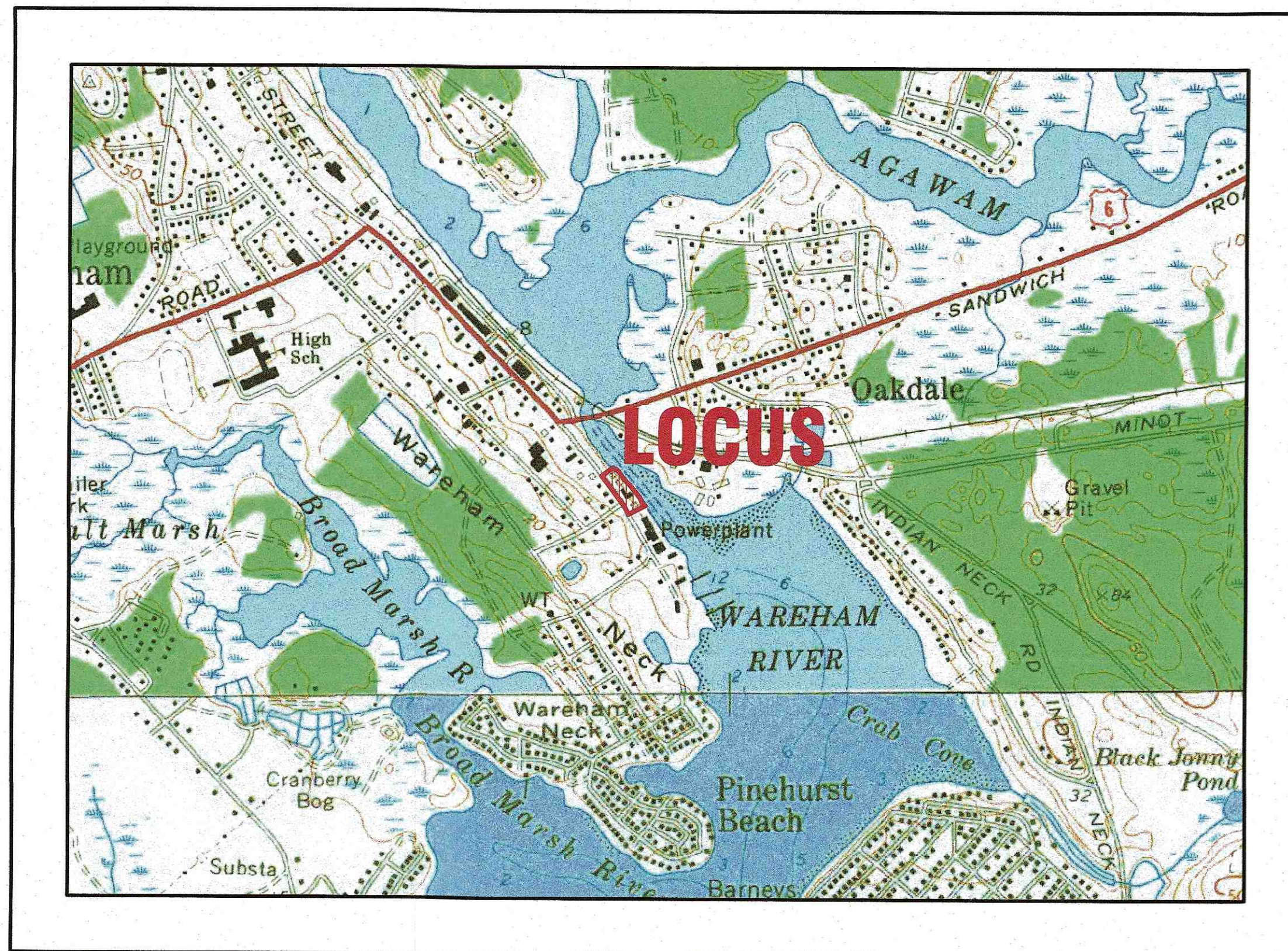
SITE DEVELOPMENT PLAN

59 MAIN STREET

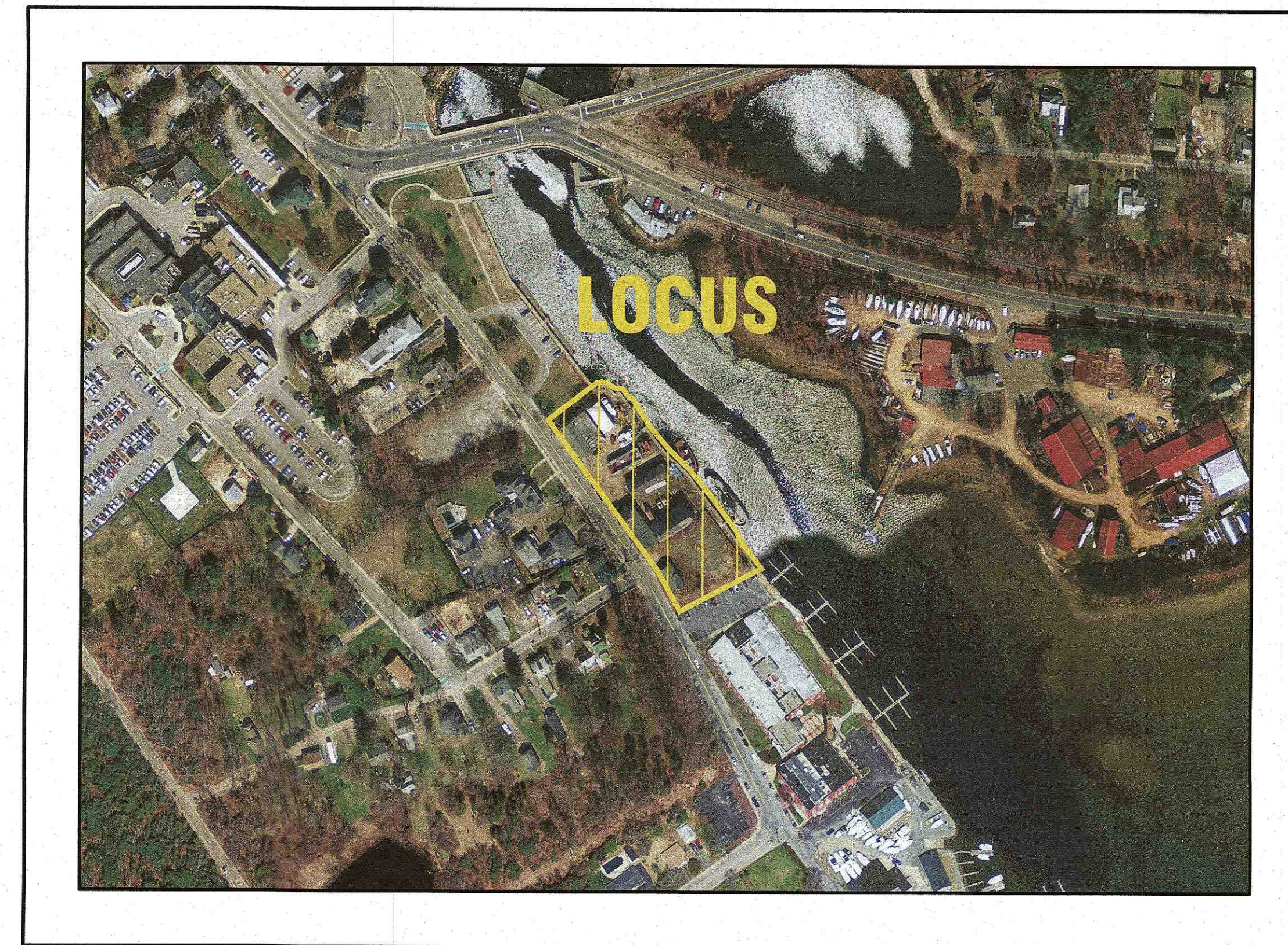
WAREHAM, MASSACHUSETTS

OWNER: WARREN QOZB, LLC
 P.O. BOX 1206
 CARVER, MA 02330

APPLICANT: WARREN QOZB, LLC
 P.O. BOX 1206
 CARVER, MA 02330



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



- AERIAL OVERVIEW -
 SCALE: 1"=200'

ZONING DATA:

ZONE: WAREHAM VILLAGE 1 (WV1)

SETBACKS:
 MINIMUM LOT AREA: 5,000 S.F.
 MINIMUM FRONTAGE: 75'
 MINIMUM FRONT SETBACK: *
 MINIMUM SIDE SETBACK: 10'
 MINIMUM REAR SETBACK: 10'
 MAXIMUM BUILDING HEIGHT: 40'
 MAXIMUM BUILDING COVERAGE: 30%
 MAXIMUM IMPERVIOUS SURFACE: 70%
 LANDSCAPE BUFFER: AS SHOWN ON PLANS

*THE FRONT SETBACKS IN VILLAGE DISTRICTS SHALL BE THE AVERAGE SETBACKS OF FIVE (5) RESIDENTIAL STRUCTURES ON EITHER SIDE OF THE SUBJECT PROPERTY.

ZONING DATA TABLE:

ZONING TABLE	ALLOWED	PROVIDED
LOT AREA:	5,000 S.F.	61,187± S.F.
*FRONT SETBACK:	*	53.5'
SIDE SETBACK:	10'	19.5'
REAR SETBACK:	10'	15'±
BUILDING COVERAGE:	30%	18.2%±
IMPERVIOUS SURFACE:	70%	62.4%±

PARKING DATA:

REQUIRED:
 (BUSINESS, RETAIL >1000 S.F.): 1 SPACE PER 300 S.F. G.F.A.
 1200 S.F./300 S.F.=4 SPACES

MARINA: 0.5 SPACE PER SLIP
 24 SLIPs x 0.5 SPACE=12 SPACES

RESTURANT: 1 SPACE PER 5 SEATS
 150 SEATS / 1 PER 5 SEATS=30 SPACES

TOTAL NUMBER OF PARKING SPACES REQUIRED: 46

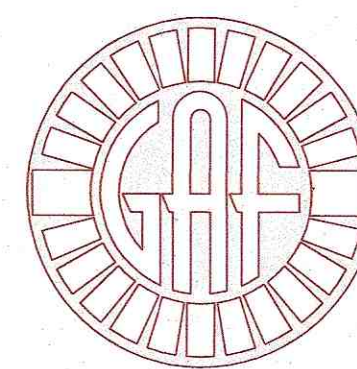
TOTAL PROVIDED: 46 SPACES

PLAN INDEX:

SHEET NO.:	DESCRIPTION:
1	COVER SHEET
2	GENERAL NOTES & LEGEND
3	EX. CONDITIONS & DEMOLITION
4	LAYOUT PLAN
5	UTILITIES PLAN
6	GRADING & DRAINAGE PLAN
7	LANDSCAPING PLAN
8	EROSION CONTROL PLAN
9	DETAIL SHEET 1
10	DETAIL SHEET 2
11	DETAIL SHEET 3

FLOOD ZONE DATA:

THE PROJECT IS LOCATED IN FLOOD ZONE AE-16 AS SHOWN ON THE FEMA FLOOD INSURANCE RATE MAP NUMBER 25023C0489L, DATED JULY 6, 2021. THE PROJECT IS ALSO WITHIN THE LIMIT OF MODERATE WAVE ACTION (LIMWA) AREA.



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

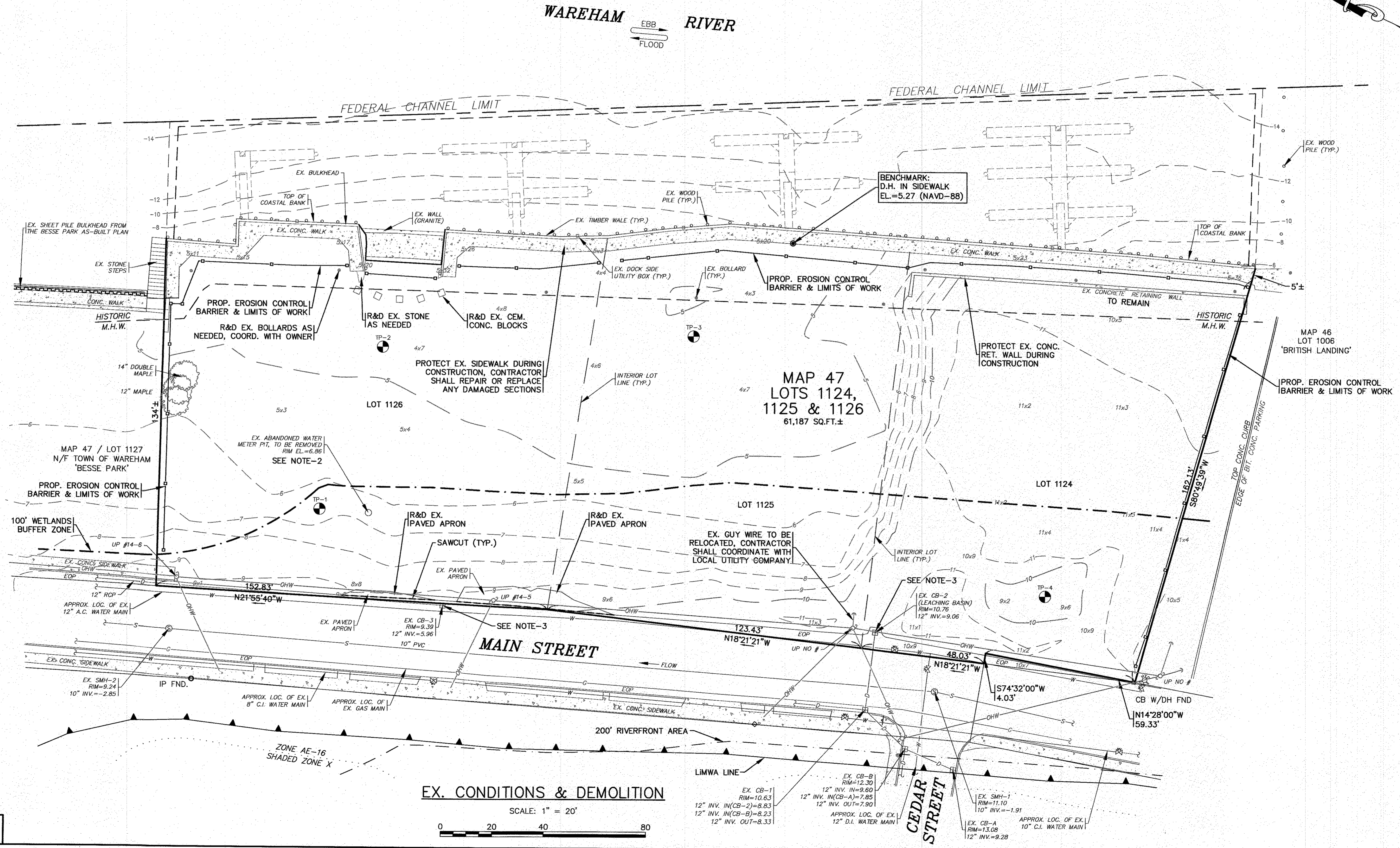
NOVEMBER 22, 2021

DATE: NOV. 22, 2021 DRAWN BY: JMP CHECKED BY: WFM JOB NO.: 20-9438 SCALE: AS NOTED	APPROVED BY: W. Mader	REV. ZONING DATA TABLE PER PEER REVIEW COMMENTS REV. BLDG. & IMPERV. SURFACE COVERAGES	REV. DATE BY 1 1/4/22 JMP WFM 2 1/18/22 JMP WFM 3 2/15/22 JMP WFM	APPD DATE BY 1/4/22 JMP WFM 1/18/22 JMP WFM 2/15/22 JMP WFM	DESCRIPTION
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					
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SITE DEVELOPMENT PLAN COVER SHEET	WAREHAM, MA WAREHAM, MA WAREHAM, MA	PREPARED FOR: WARREN QOZB, LLC P.O. BOX 1206 CARVER, MA			
JOB NO.: 20-9438					
DWG. 1 OF 11					

PERMIT SET
 (NOT FOR CONSTRUCTION)

NOTES:

- CONTRACTOR SHALL PROVIDE AND MAINTAIN DOUBLE STAKED HAY BALES WITH SILT FENCE EROSION CONTROL BARRIER AS SHOWN ON THE PLANS. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL VEGETATION IS ESTABLISHED.
- EXISTING ABANDONED WATER METER PIT AND ANY ASSOCIATED PIPING SHALL BE REMOVED AND DISPOSED OF OFF SITE. CONTRACTOR SHALL COORDINATE WITH LOCAL WATER DEPARTMENT PRIOR TO CONSTRUCTION.
- EXISTING CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED WITHIN PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL CONFIRM THE LOCATIONS OF ALL EXISTING ABOVE OR UNDERGROUND UTILITIES INCLUDING WATER, SEWER, GAS AND ELECTRIC. ALL EXISTING UTILITIES SHALL BE DISCONNECTED AND REMOVED FROM THE SITE. CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO CONSTRUCTION.
- ALL DEBRIS FROM DEMOLITION SHALL BE REMOVED FROM THE SITE AND NOT STOCKPILED.
- ANY EXCAVATION/REMOVAL OF EXISTING FEATURES BELOW ADJACENT GRADE SHALL BE REFILLED WITH STRUCTURAL FILL AND COMPACTED.

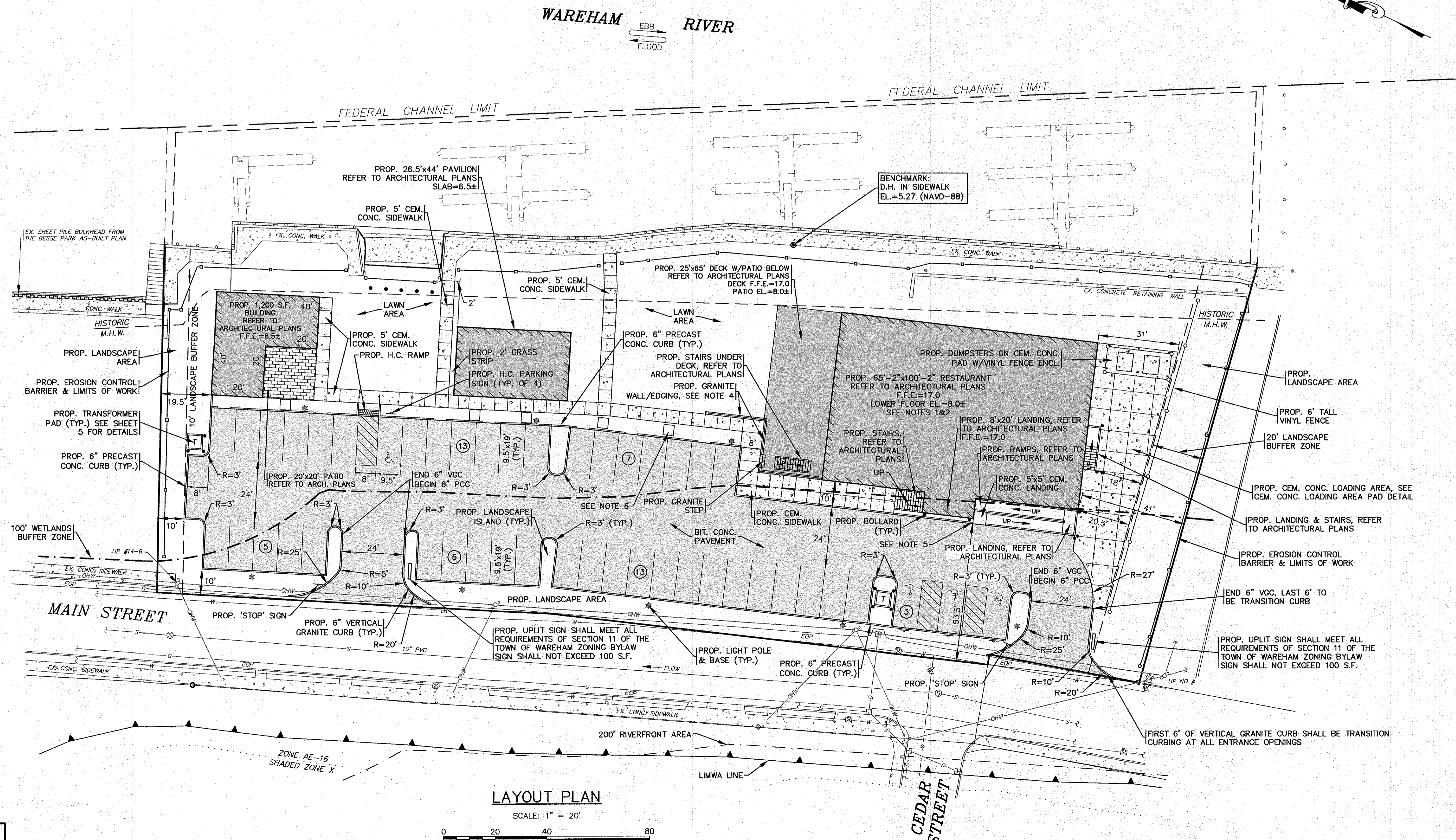


DATE: NOV. 22, 2021		DRAWN BY: J.M.P.		CHECKED BY: W.F.M.		JOB NO.: 20-9438		SCALE: 1" = 20'	
APPROVED BY:		APPROVED BY:		APPROVED BY:		APPROVED BY:		APPROVED BY:	
G.A.F. ENGINEERING, INC.		PROFESSIONAL ENGINEERS & LAND SURVEYORS		266 MAIN STREET - WAREHAM, MA 02571		TEL: (508) 295-6800 FAX: (508) 295-6634		E-MAIL: info@gafeng.com	
SITE DEVELOPMENT PLAN		EX. CONDITIONS & DEMOLITION		WAREHAM, MA		PREPARED FOR:		WARREN QOZB, LLC	
59 MAIN STREET		P.O. BOX 1206		CARVER, MA		JOB NO.: 20-9438		DWG. 3 OF 11	
NO CHANGE THIS SHEET		PER PEER REVIEW COMMENTS		ADDED TEST PIT LOCATIONS		REV.		DATE	
3		2		1		BY		APP'D	
2/15/22		1/18/22		1/4/22		DATE		BY	
J.M.P.		W.F.M.		W.F.M.		DATE		BY	

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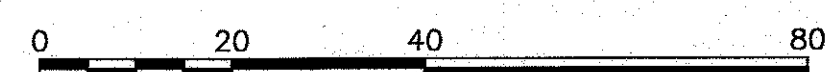
NOTES:

- REFER TO ARCHITECTURAL PLANS BY OTHERS FOR COMPLETE DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS OF THE PROPOSED BUILDINGS AND PAVILION. CONTRACTOR SHALL CONFIRM FINISHED FLOOR ELEVATION WITH OWNER AND ARCHITECT PRIOR TO CONSTRUCTION. ALL CONSTRUCTION SHALL COMPLY WITH ALL ASCE 24, MASSACHUSETTS AND INTERNATIONAL BUILDING CODE REQUIREMENTS, AS APPLICABLE FOR CONSTRUCTION IN FLOOD ZONES. REFER TO ARCHITECTURAL & STRUCTURAL PLANS BY OTHERS.
- REFER TO ARCHITECTURAL PLANS BY OTHERS FOR ALL PROPOSED HANDICAP RAMPS & LANDINGS DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS. ALL PROPOSED RAMPS & LANDINGS SHALL BE PROVIDED WITH HANDRAILS PER A.D.A. AND BUILDING CODE REGULATIONS. ALL PROPOSED HANDICAP RAMPS & LANDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALL A.D.A. REGULATIONS.
- THE PROPOSED PAVILION AND THE PROPOSED 1,200 S.F. BUILDING WILL BE CONSTRUCTED IN PHASE 2 OF THE PROJECT.
- SITE CONTRACTOR SHALL COORDINATE WITH OWNER FOR FINAL DESIGN OF THE PROPOSED GRANITE WALL/EDGING AND GRANITE STEP. PROVIDE HANDRAILS ALONG THE ENTIRE LENGTH OF THE PROPOSED WALL. HANDRAILS SHALL BE DESIGNED IN ACCORDANCE WITH ALL LOCAL AND STATE BUILDING CODES.
- THE LAST 6' OF CURBING SHALL BE TRANSITION CURBING.
- PROVIDE 4"x4"x2" THICK GRANITE SLABS AS SHOWN, FINAL LOCATIONS WILL BE DETERMINED IN THE FIELD AT TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER. GRANITE SLABS SHALL BE SET FLUSH WITH TOP OF RIVER STONE.
- FOR THE COMPLETE LIGHTING DESIGN REFER TO LIGHTING DESIGN PLANS BY RAB.

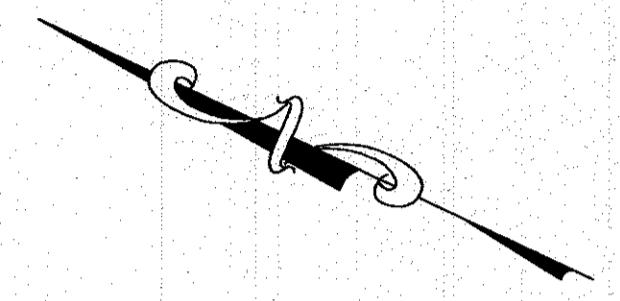


LAYOUT PLAN

SCALE: 1" = 20'



WAREHAM RIVER
 EBB FLOOD



DATE: NOV. 22, 2021
DRAWN BY: JMP
CHECKED BY: WFM
JOB NO.: 20-9438
SCALE: 1" = 20'

APPROVED BY:	
DATE:	

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WARREN QOZB, LLC
 PREPARED FOR:
 59 MAIN STREET WAREHAM, MA
 P.O. BOX 1206 CARVER, MA

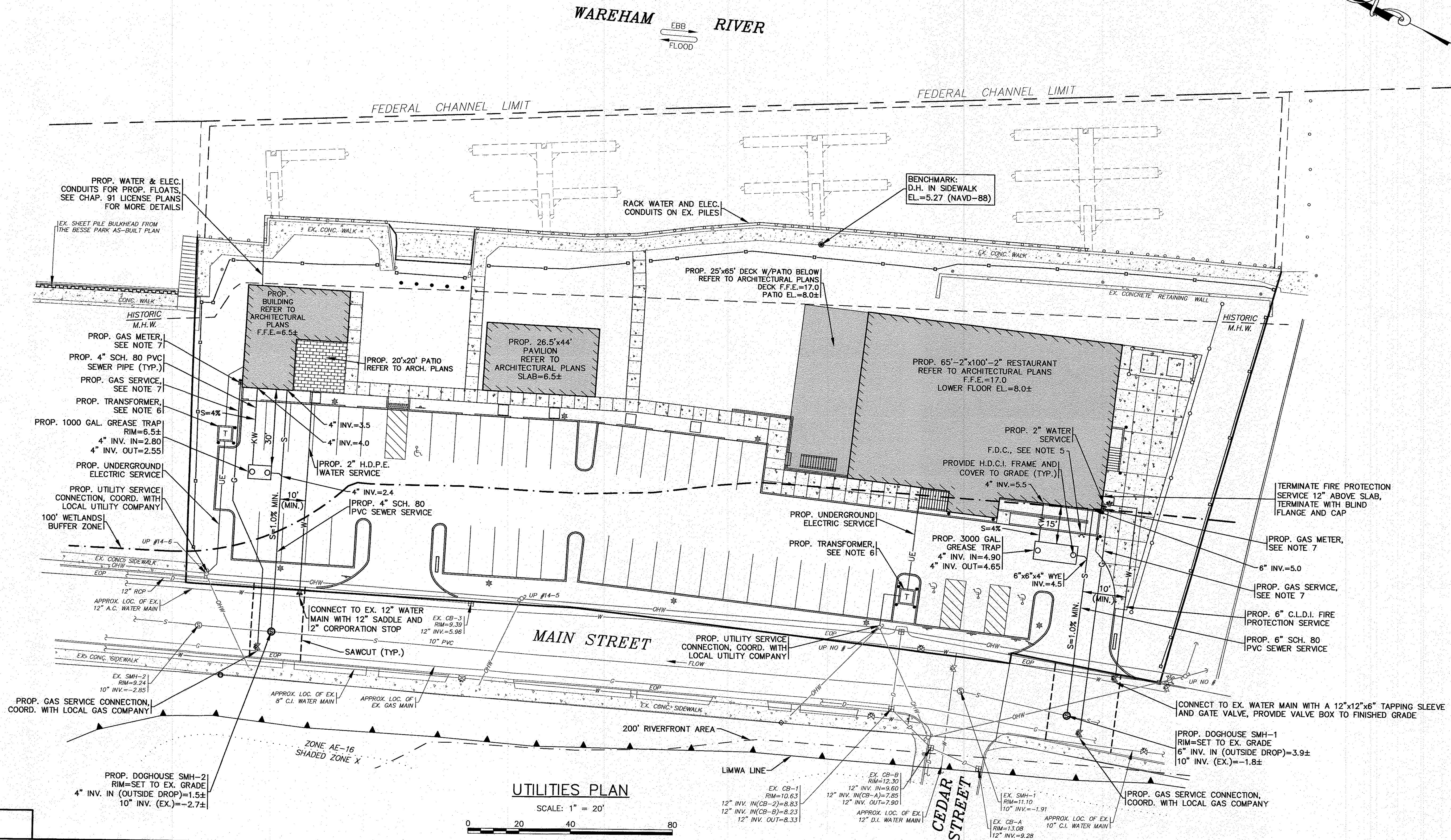
JOB NO.: 20-9438
DWG. 4 OF 11

REV.	DATE	BY	DESCRIPTION
3	2/15/22	JMP	INCREASED NW DRIVEWAY TO 24' WIDE
2	1/16/22	JMP	PER PEER REVIEW COMMENTS
1	1/4/22	JMP	PER REV. BLDG. PLANS/TOWN COMMENTS

PERMIT SET
 (NOT FOR CONSTRUCTION)

NOTES:

1. ALL SEWER WORK SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF WAREHAM SEWER COMMISSIONERS RULES AND REGULATIONS.
2. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY PRIOR TO CONNECTION.
3. REFER TO PAVEMENT SAWCUT/TRENCH REPAIR DETAIL ON SHEET 9.
4. CONTRACTOR SHALL CONFIRM EXISTING SEWER ELEVATIONS PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO COORDINATE WITH THE FIRE PROTECTION CONTRACTOR FOR ALL DETAILS ON THE PROPOSED BUILDING FIRE PROTECTION SYSTEM AND THE FIRE DEPARTMENT CONNECTION (F.D.C.).
6. CONTRACTOR SHALL COORDINATE WITH LOCAL UTILITY COMPANY FOR FINAL LOCATION, SIZE AND CONFIGURATION OF TRANSFORMERS. PROTECT TRANSFORMERS WITH BOLLARDS AS SHOWN. TRANSFORMERS SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ALL FLOOD ZONE SPECIFICATIONS AND REGULATIONS, COORDINATE WITH LOCAL UTILITY COMPANY.
7. THE FINAL LOCATIONS, DEPTHS AND CONSTRUCTION DETAILS OF THE PROPOSED GAS SERVICE AND GAS METERS SHALL BE DETERMINED BY THE LOCAL GAS COMPANY. CONTRACTOR SHALL COORDINATE WITH LOCAL GAS COMPANY PRIOR TO CONSTRUCTION.
8. AT THE WATER AND SEWER LINE CROSSING ONE FULL LENGTH OF SEWER PIPE SHALL BE 200 PSI PRESSURE RATED PIPE CENTERED OVER WATER LINE MEETING LATEST AWWA STANDARDS AND SHALL BE PRESSURE TESTED TO ENSURE WATER TIGHTNESS. WATER AND SEWER LINES SHALL HAVE A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN PIPES.
9. ALL PROPOSED GREASE TRAPS SHALL BE PROVIDED WITH (2) HEAVY DUTY CAST IRON (H.D.C.I.) FRAMES AND COVERS TO GRADE AS SHOWN.
10. CONTRACTOR SHALL CONFIRM ALL PROPOSED SEWER INVERTS WITH PLUMBING CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS IN THE FIELD. ALL INTERIOR PLUMBING SHALL BE DESIGNED BY OTHERS.



UTILITIES PLAN

SCALE: 1" = 20'



PERMIT SET
(NOT FOR CONSTRUCTION)

DATE: NOV. 22, 2021	APPROVED BY:		DATE: 11/15/22	
DRAWN BY: JWP	DATE: 11/15/22			
CHECKED BY: WFM	DATE: 11/15/22			
JOB NO.: 20-9438	DATE: 11/15/22			
SCALE: 1" = 20'	DATE: 11/15/22			
	REV.	BY	APP'D	DESCRIPTION
	1	WFM		PER REV. BLDG. PLANS/TOWN COMMENTS
	2	WFM		PER PEER REVIEW COMMENTS
	3	WFM		INCREASED NW DRIVEWAY TO 24' WIDE

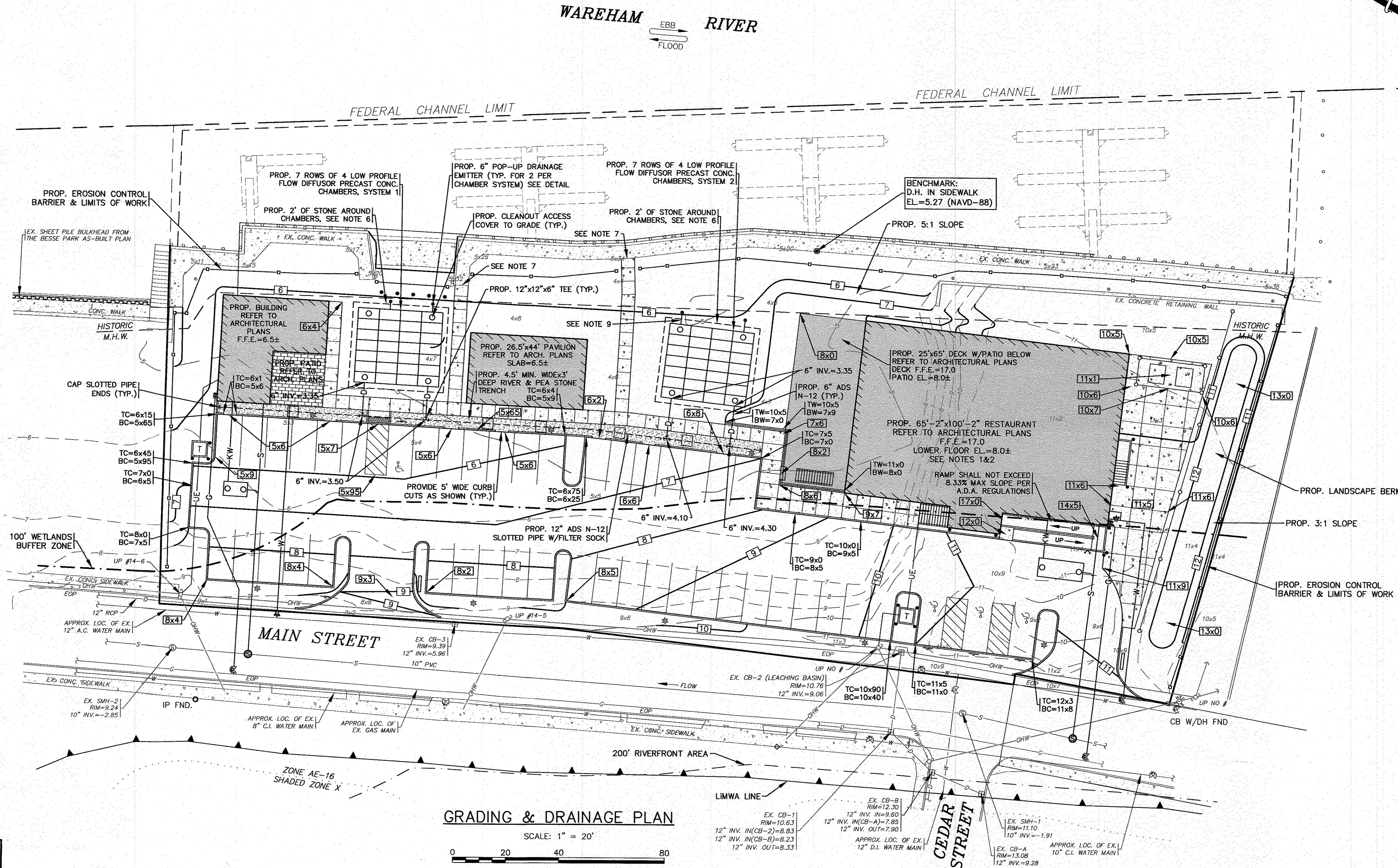
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 266 MAIN STREET - WAREHAM, MA 02571
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PREPARED FOR:
WARREN GOZB, LLC
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 P.O. BOX 1206 CARVER, MA

JOB NO.: 20-9438
 DWG. 5 OF 11

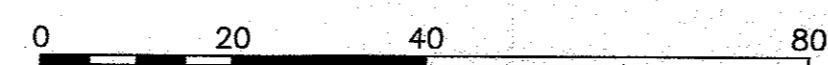
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- REFER TO ARCHITECTURAL PLANS BY OTHERS FOR ALL PROPOSED HANDICAP RAMPS & LANDINGS DIMENSIONS, CONSTRUCTION SPECIFICATIONS AND DETAILS. ALL PROPOSED RAMPS & LANDINGS SHALL BE PROVIDED WITH HANDRAILS PER A.D.A. AND BUILDING CODE REGULATIONS. ALL PROPOSED HANDICAP RAMPS & LANDINGS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH ALL A.D.A. REGULATIONS.
- RIVER & PEA STONE FILLED TRENCHES SHALL BE COVERED WITH AN ADDITIONAL TEMPORARY LAYER OF FILTER FABRIC UNTIL THE COMPLETION OF CONSTRUCTION. IF THERE IS ANY EVIDENCE OF SEDIMENT ENTERING THE TRENCHES, THE AFFECTED AREA OF THE TRENCH SHALL BE FULLY RECONSTRUCTED INCLUDING THE FILTER FABRIC TO THE SPECIFICATIONS OF THE DETAIL SHOWN ON THESE PLANS.
- WATER MAIN/SERVICES SHALL BE INSTALLED A MINIMUM OF 18" BELOW ALL PROPOSED DRAINAGE LINES.
- DOWNPOUTS ON FRONT & BACK OF THE PROPOSED RESTAURANT SHALL BE PIPED TO THE INFILTRATION SYSTEM #2. DOWNPOUTS FOR THE PROPOSED 1,200 S.F. BUILDING SHALL BE PIPED TO THE INFILTRATION SYSTEM #1. REFER TO ARCHITECTURAL PLANS FOR ALL DOWNPOUT LOCATIONS AND SIZES.
- ALL STONE AROUND PRECAST CEMENT CONCRETE LEACHING CHAMBERS SHALL BE 1.5"-2" DOUBLE WASHED CRUSHED STONE.
- MATCH PROPOSED SIDEWALK INTO EXISTING SIDEWALK LINE AND GRADE.
- FOR COMPLETE DRAINAGE OPERATION AND MAINTENANCE NOTES SEE SHEET 2.
- PROVIDE A 6" ADS N-12 PIPE WITH A MINIMUM SLOPE OF 2% FROM THE PROPOSED CHAMBERS TO THE PROPOSED 6" POP-UP DRAINAGE EMITTERS. SEE DRAINAGE EMITTER DETAIL.



GRADING & DRAINAGE PLAN

SCALE: 1" = 20'



**PERMIT SET
(NOT FOR CONSTRUCTION)**

H:\CADD\DRAWINGS\2020\DRAWINGS\20-9438 (HARRY WARRER)\438\04\438 SITE PLAN_2021_JUL-1_REV-3.dwg

REV.	DATE	BY	APP'D	DESCRIPTION
3	2/15/22	JMP	WFM	INCREASED NW DRIVEWAY TO 24' WIDE
2	1/7/22	JMP	WFM	PER PEER REVIEW COMMENTS
1	1/4/22	JMP	WFM	PER REV. BLDG. PLANS/TOWN COMMENTS

DATE: NOV. 22, 2021
 DRAWN BY: JMP
 CHECKED BY: WFM
 JOB NO.: 20-9438
 SCALE: 1" = 20'

APPROVED BY:

APPROVED BY: *William J. Warren*

G.A.F. ENGINEERING, INC.
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**SITE DEVELOPMENT PLAN
 GRADING & DRAINAGE PLAN**
 WAREHAM, MA

PREPARED FOR:
WARREN QOZB, LLC
 CARVER, MA
 P.O. BOX 1206

JOB NO.: 20-9438
 DWG. 6 OF 11

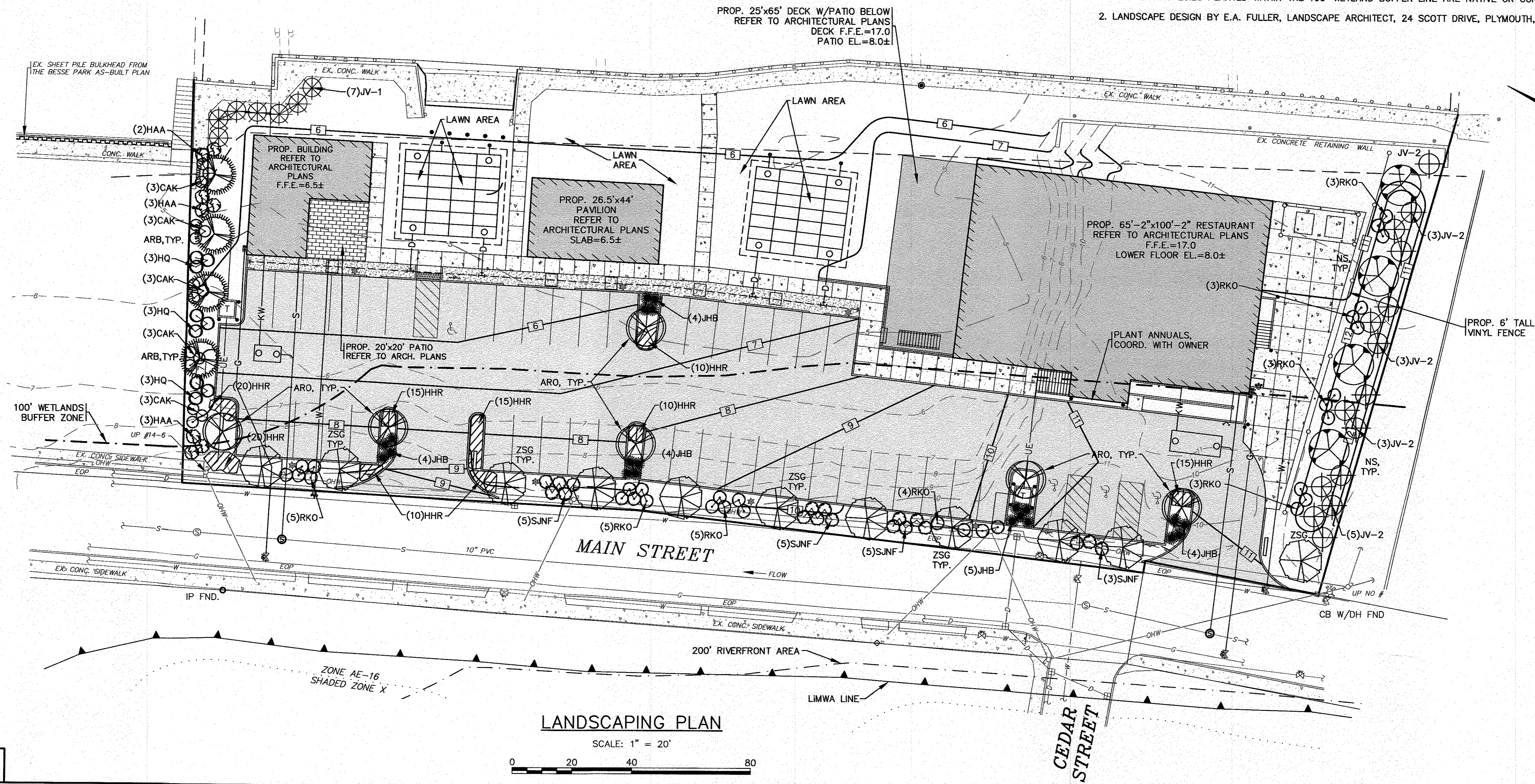
PLANTING STANDARDS:

- THE LANDSCAPE CONTRACTOR SHALL FURNISH AND INSTALL AND/OR DIG, BALL, BURLAP, AND TRANSPLANT ALL PLANT MATERIALS LISTED ON THE PLANT SCHEDULE. BARE-ROOT IS TYPICALLY NOT PERMITTED FOR ANY TREE.
- PLANT MATERIALS SHALL CONFORM TO THE REQUIREMENTS DESCRIBED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN. PLANTS SHALL BE NURSERY GROWN.
- PLANTS SHALL CONFORM TO THE MEASUREMENTS SPECIFIED IN THE PLANT SCHEDULE.
 - CALIPER MEASUREMENTS SHALL BE TAKEN SIX (6) INCHES ABOVE GRADE FOR TREES UNDER FOUR (4) INCHES IN DIAMETER AND TWELVE (12) INCHES ABOVE GRADE FOR TREES FOUR (4) INCHES IN DIAMETER AND LARGER.
 - MINIMUM BRANCHING HEIGHT FOR ALL SHADE TREES SHALL BE SIX (6) FEET.
 - MINIMUM SIZE FOR SHADE TREES SHALL BE TWO AND ONE HALF (2.5) INCHES IN DIAMETER AND TWELVE (12) FEET IN HEIGHT.
 - MINIMUM SIZE FOR EVERGREEN TREES SHALL BE BETWEEN SIX (6) AND EIGHT (8) FEET IN HEIGHT
 - MINIMUM SIZE FOR SHRUBS SHALL BE THREE (3) FEET IN HEIGHT
- A PROFESSIONAL HORTICULTURIST/NURSERYMAN SHALL BE CONSULTED TO DETERMINE THE PROPER TIME TO MOVE AND INSTALL PLANT MATERIAL SO THAT DISTRESS TO THE PLANT IS MINIMIZED. PLANTING OF DECIDUOUS MATERIAL MAY BE CONTINUED DURING WINTER MONTHS PROVIDED THERE IS NO FROST IN THE GROUND AND FROST-FREE TOPSOIL PLANTING MIXTURES ARE USED.
- A LANDSCAPE CONTRACTOR SHALL EXCAVATE ALL PLANT PITS, VINE PITS, HEDGE TRENCHES, AND SHRUB BEDS AS FOLLOWS:
 - ALL PITS SHALL BE GENERALLY CIRCULAR IN OUTLINE, WITH VERTICAL SIDES. THE TREE PIT SHALL BE DEEP ENOUGH TO ALLOW ONE-EIGHTH (1/8) OF THE BALL TO BE ABOVE THE EXISTING GRADE. PLANTS SHALL REST ON UNDISTURBED EXISTING SOIL OR WELL COMPACTED BACKFILL ON EVERY SIDE. THE TREE PITS MUST BE A MINIMUM OF 2 TIMES THE ROOT BALL DIAMETER.
 - IF AREAS ARE DESIGNATED AS SHRUB BEDS OR HEDGE TRENCHES, THEY SHALL BE CULTIVATED TO AT LEAST EIGHTEEN (18) INCHES IN DEPTH. AREAS DESIGNATED FOR GROUND COVERS AND VINES SHALL BE CULTIVATED TO AT LEAST TWELVE (12) INCHES IN DEPTH.
- EACH TREE, SHRUB, OR VINE SHALL BE PRUNED IN AN APPROPRIATE MANNER IN ACCORDANCE WITH ACCEPTED STANDARD PRACTICE.
- ALL TRENCHES AND SHRUB BEDS SHALL BE EDGED AND CULTIVATED TO THE LINES SHOWN ON THE DRAWING. THE AREAS AROUND ISOLATED PLANTS SHALL BE EDGED AND CULTIVATED TO THE FULL DIAMETER OF THE PIT. SOD THAT HAS BEEN REMOVED AND STACKED SHALL BE USED TO TRIM THE EDGES OF ALL EXCAVATED AREAS TO THE NEAT LINES OF THE PLANT PIT SAUCERS, THE EDGE OF SHRUB AREAS, HEDGE TRENCHES AND VINE POCKETS.
- AFTER CULTIVATION, ALL PLANT MATERIALS SHALL BE MULCHED WITH A LAYER BETWEEN TWO (2) AND THREE (3) INCHES DEEP OF HEMLOCK / SPRUCE MULCH OVER THE ENTIRE AREA OF THE BED OR SAUCER.
- A TWO (2) YEAR GUARANTEE SHALL BE PROVIDED ON ALL NEW PLANT MATERIAL. IF ANY TREE OR SHRUB DIES WITHIN THIS PERIOD OF TIME, IT SHALL BE REPLACED.
- ALL AREAS THAT ARE NOT LANDSCAPED SHALL BE LOAMED AND SEEDED.

PLANT LIST						
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS	REMARKS
SHRUBS						
	9	HYDRANGEA ARBORESCENS 'ANNBELLE'	ANNBAELLE WHITE HYDRANGEA	24'-30' HT.	5 GAL. NATIVE SPECIES	PLANT 5' O.C.
	8	HYDRANGEA QUERCIFOLIA	OAK LEAF HYDRANGEA	24'-30' HT.	5 GAL. NATIVE SPECIES	PLANT 5' O.C.
	21	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR GROUND JUNIPER	18"-24" SPR.	3 GAL. NATIVE SPECIES	PLANT 4' O.C.
	7	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	7'-8' HT.	B & B NATIVE SPECIES	PLANT 6' O.C.
	15	JUNIPERUS VIRGINIANA	EASTERN RED CEDAR	8'-10' HT.	B & B NATIVE SPECIES	PLANT 8' O.C.
	31	ROSA HYBRID-'KNOCK OUT'	HYBRID SHRUB ROSE 5 WHITE & 10 RED	18"-24" HT.	3 GAL. NON-INVASIVE	PLANT 3' O.C.
	20	SPIRAEA JAPONICA 'NEON FLASH'	NEON FLASH SPIREA	18"-24" HT.	3 GAL. NON-INVASIVE	PLANT 3' O.C.
SHADE & ORNAMENTAL TREES						
	6	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	3" CAL.	B & B NATIVE SPECIES	PLANT AS SHOWN
	4	ACER RUBRUM 'BOWHALL'	BOWHALL COLUMNAR SWAMP RED MAPLE	3" CAL.	B & B NATIVE SPECIES	PLANT AS SHOWN
	4	NYSSA SYLVATICA	BLACK GUM	3" CAL.	B & B NATIVE SPECIES	PLANT AS SHOWN
	11	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	3" CAL.	B & B	PLANT AS SHOWN
ORNAMENTAL GRASSES & PERENNIALS						
	15	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	1 GAL.	36" HT. NON-INVASIVE	18" O.C.
	135	HEMEROCALIS 'HAPPY RETURNS'	HAPPY RETURNS DWARF YELLOW DAYLILY	1 GAL.	18" HT. NON-INVASIVE	12" O.C.

NOTES:

- ALL PLANT SPECIES PLANTED WITHIN THE 100' WETLAND BUFFER LINE ARE NATIVE OR CONSIDERED NON-INVASIVE SPECIES.
- LANDSCAPE DESIGN BY E.A. FULLER, LANDSCAPE ARCHITECT, 24 SCOTT DRIVE, PLYMOUTH, MA, 02360.



DATE: NOV. 22, 2021
 DRAWN BY: JMP/JH
 CHECKED BY: EAF
 JOB NO.: 20-9438
 SCALE: 1" = 20'

APPROVED BY: [Signature]

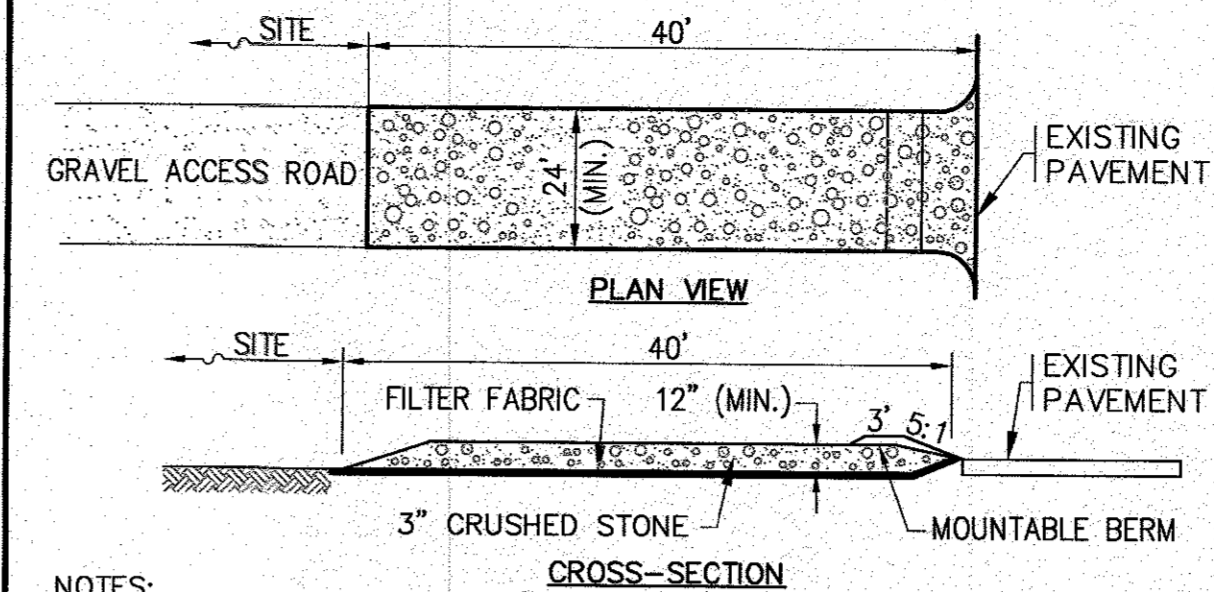
G.A.F. ENGINEERING, INC.
 PROFESSIONAL ENGINEERS & LAND SURVEYORS
 266 MAIN STREET WAREHAM, MA 02571
 TEL: (508) 295-6600 FAX: (508) 295-6634
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WARREN QOZB, LLC
 59 MAIN STREET WAREHAM, MA
 PREPARED FOR: WARREN QOZB, LLC
 P.O. BOX 1206 CARVER, MA

JOB NO.: 20-9438
 DWG. 7 OF 11

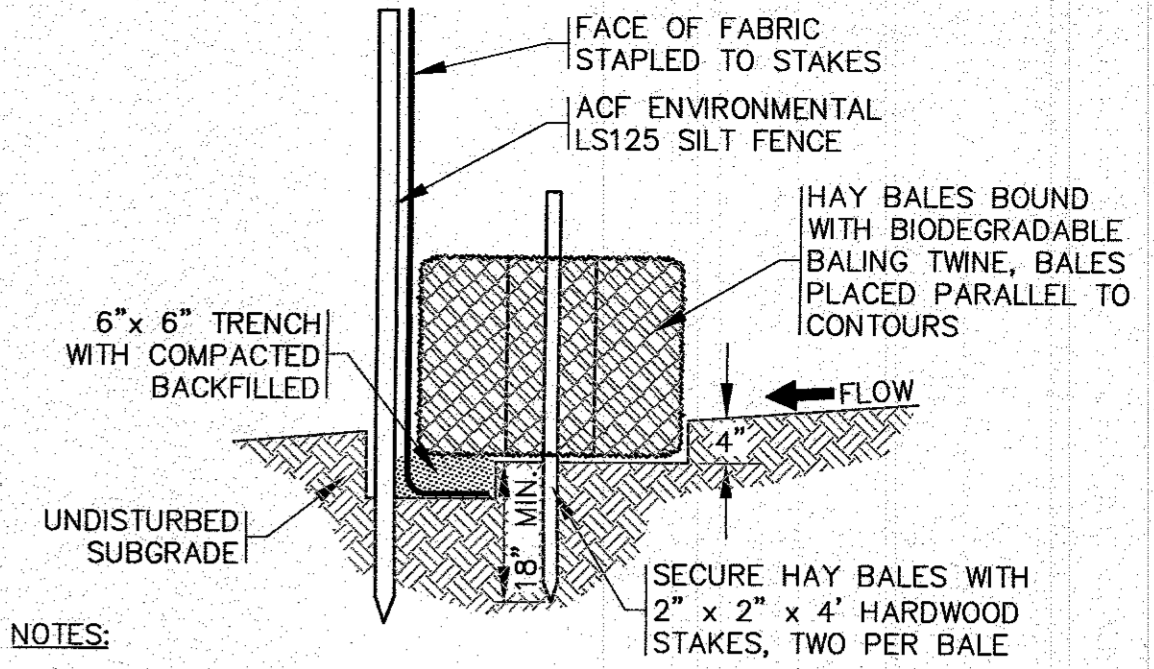
NOTES:

1. A CONSTRUCTION ENTRANCE WILL NEED TO BE INSTALLED BEFORE ANY CONSTRUCTION ACTIVITY OCCURRING ON-SITE.
2. CONTRACTOR SHALL PROVIDE AND MAINTAIN DOUBLE STAKED HAY BALES WITH SILT FENCE EROSION CONTROL BARRIER AS SHOWN ON THE PLANS. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL ALL VEGETATION IS ESTABLISHED.
3. EXISTING CATCH BASINS SHALL HAVE A TEMPORARY SILT SACK OR AN APPROVED EQUAL INSTALLED WITHIN PRIOR TO CONSTRUCTION. CONTRACTOR SHALL REMOVE AND DISPOSE OF THE SILT SACKS AT THE COMPLETION OF CONSTRUCTION.
4. RIVER & PEA STONE FILLED TRENCHES SHALL BE COVERED WITH AN ADDITIONAL TEMPORARY LAYER OF FILTER FABRIC UNTIL THE COMPLETION OF CONSTRUCTION. IF THERE IS ANY EVIDENCE OF SEDIMENT ENTERING THE TRENCHES, THE AFFECTED AREA OF THE TRENCH SHALL BE FULLY RECONSTRUCTED INCLUDING THE FILTER FABRIC TO THE SPECIFICATIONS OF THE DETAIL SHOWN ON THESE PLANS.
5. CONTRACTOR SHALL SIZE, PROVIDE AND MAINTAIN DEWATERING EQUIPMENT FOR THE CONTROL, COLLECTION AND DISPOSAL OF GROUND AND SURFACE WATER WHERE NECESSARY TO COMPLETE THE WORK. DEWATERING IF REQUIRED SHALL BE DIRECTED TO A DEWATERING BASIN OR A DIRTBAG. FINAL SIZE AND LOCATION OF DEWATERING EQUIPMENT SHALL BE DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION.
6. CEMENT CONCRETE 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 SIZE AND LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT TIME OF CONSTRUCTION.
7. THE FINAL LOCATION OF CONTRACTORS STAGING AREA SHALL BE DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH OWNER.
8. PROTECT THE POP-UP DRAINAGE EMITTER DURING CONSTRUCTION WITH A 12" PERFORATED PIPE PLACE AROUND THE UNIT DURING CONSTRUCTION.



- NOTES:**
1. ENTRANCE WIDTH SHALL BE 24 FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 2. 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.



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

HAY BALE / SILTATION FENCE BARRIER
N.T.S.

REV.	DATE	BY	DESCRIPTION
3	2/15/22	JMP	INCREASED NW DRIVEWAY TO 24' WIDE
2	1/18/22	JMP	PER PEER REVIEW COMMENTS
1	1/4/22	JMP	PER REV. BLDG. PLANS/TOWN COMMENTS

DATE: NOV. 22, 2021
 DRAWN BY: JMP
 CHECKED BY: WFM
 JOB NO.: 20-0-9435
 SCALE: 1" = 20'

APPROVED BY:

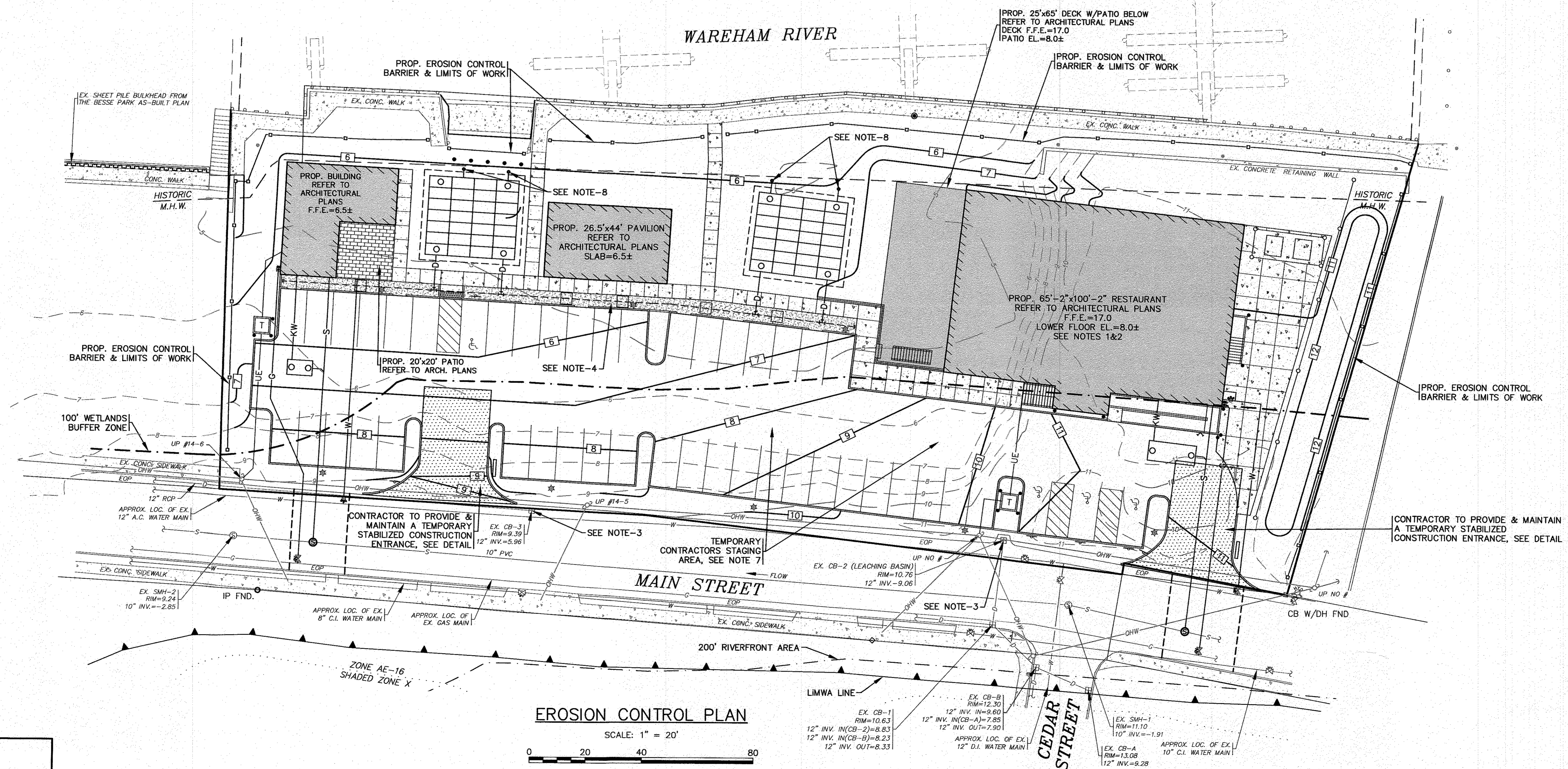
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PREPARED FOR:
 WARREN QOZB, LLC
 59 MAIN STREET
 WAREHAM, MA
 P.O. BOX 1206
 CARVER, MA

SITE DEVELOPMENT PLAN
EROSION CONTROL PLAN

JOB NO.: 20-0-9435
 DWG. 8 OF 11



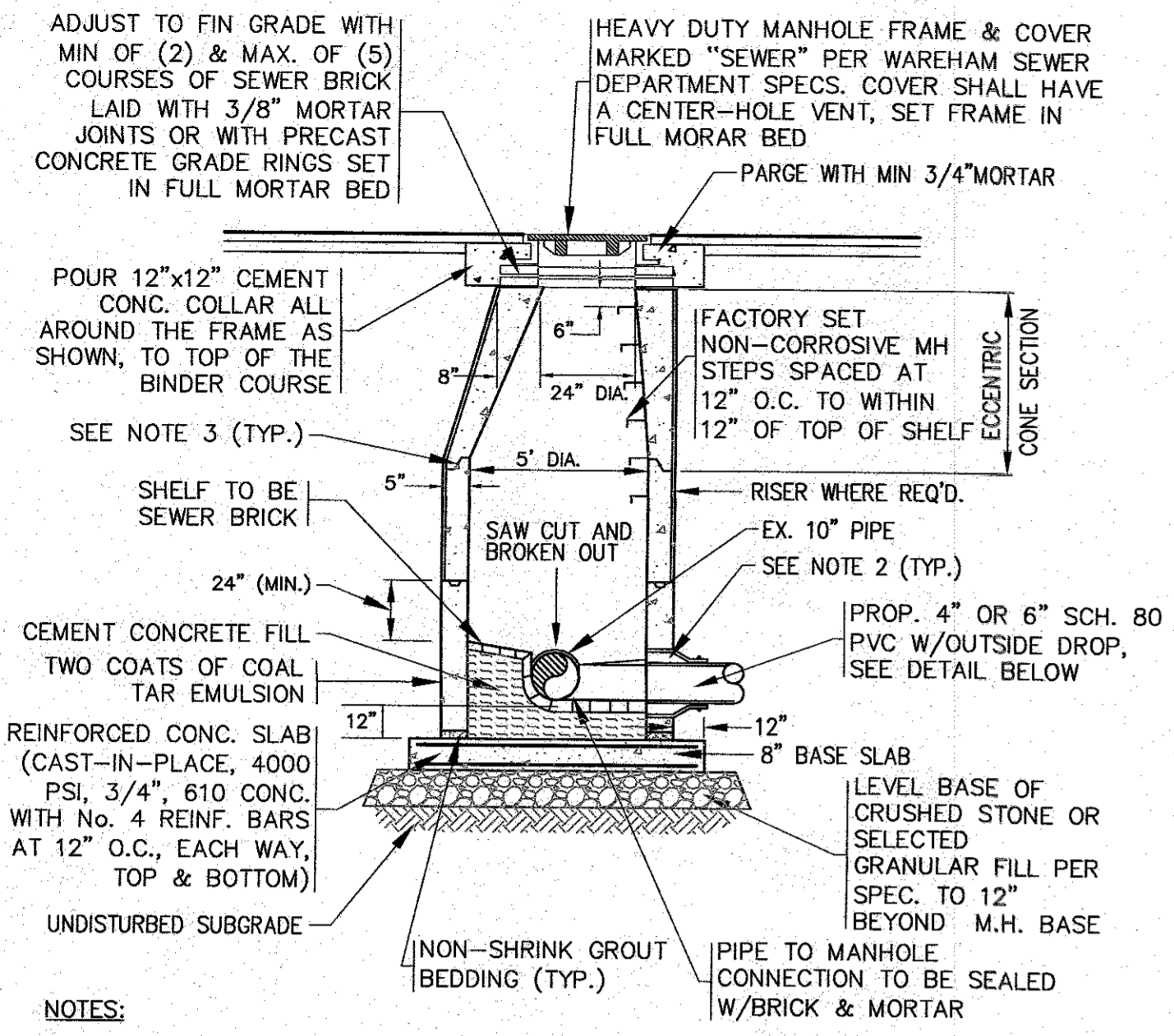
EROSION CONTROL PLAN

SCALE: 1" = 20'



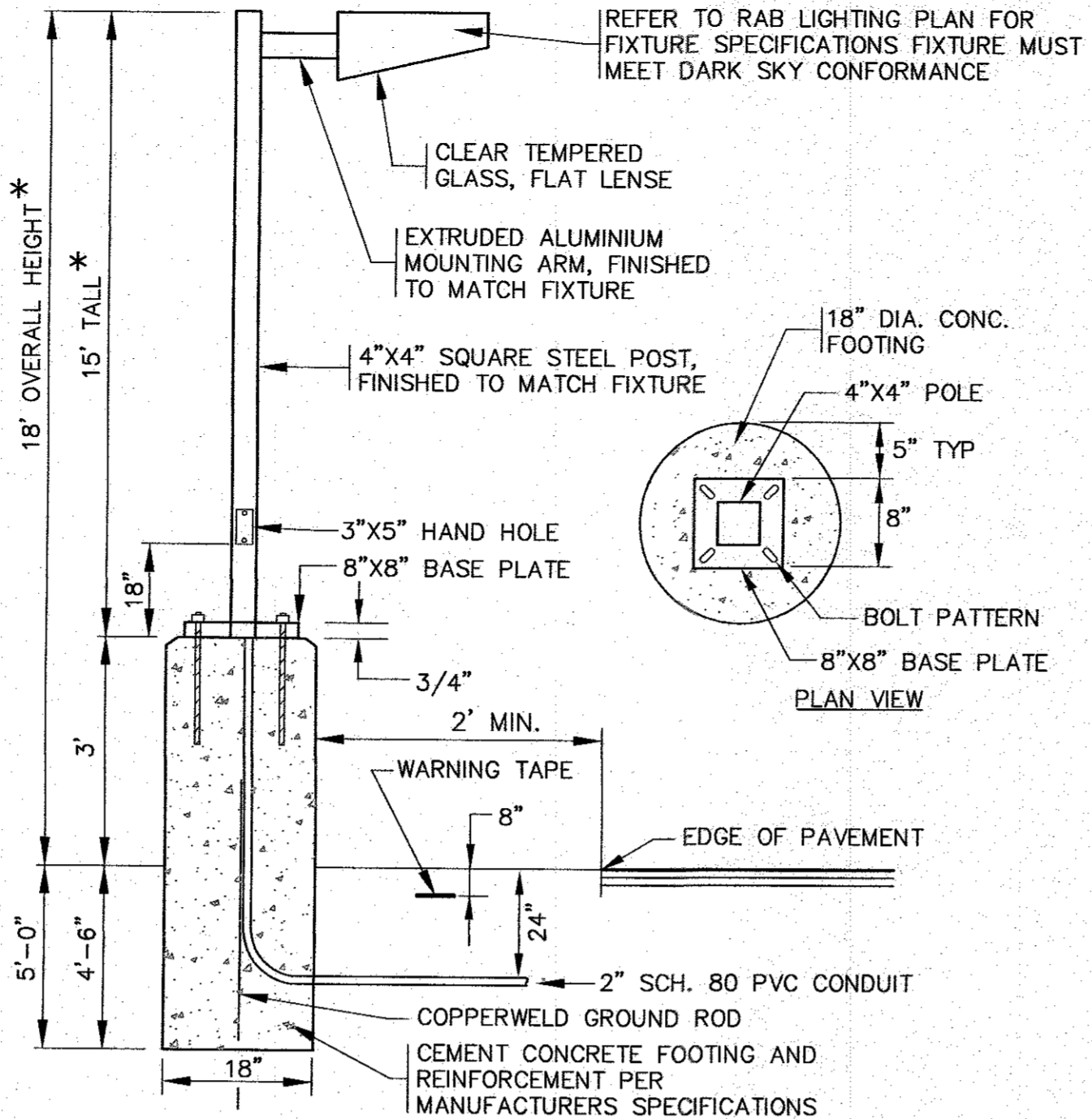
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H:\CAF DRAWINGS\2020 DRAWINGS\20-9435 (DANNY WARREN)\9435.dwg SITE PLAN_2021_01_11_REV-1.dwg



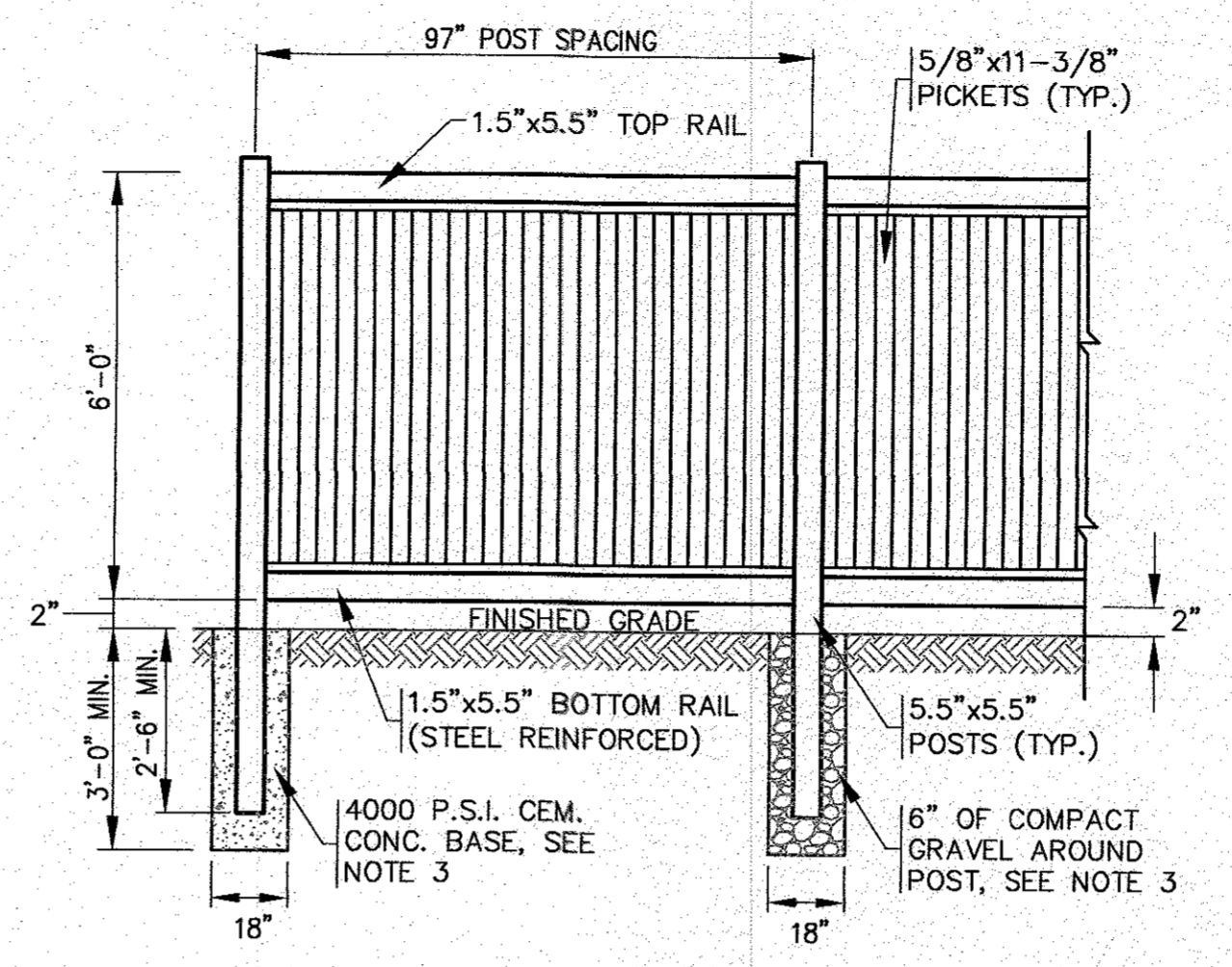
- NOTES:**
1. ALL STRUCTURES SHALL BE PRECAST CONCRETE AND BE DESIGNED FOR HS-20 LOADING. SECTION HEIGHTS VARY.
 2. USE WATERTIGHT PENETRATION NON-SHRINK MORTAR OR RESILIENT EPDM RUBBER BOOT WITH INTERNAL EXTERNAL STAINLESS STEEL CLAMPS & EXPANDERS.
 3. ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT. JOINT SEALANT BETWEEN PRECAST SECTIONS SHALL BE PREFORMED BUTYL RUBBER.
 4. REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.

DOGHOUSE SEWER MANHOLE
N.T.S.



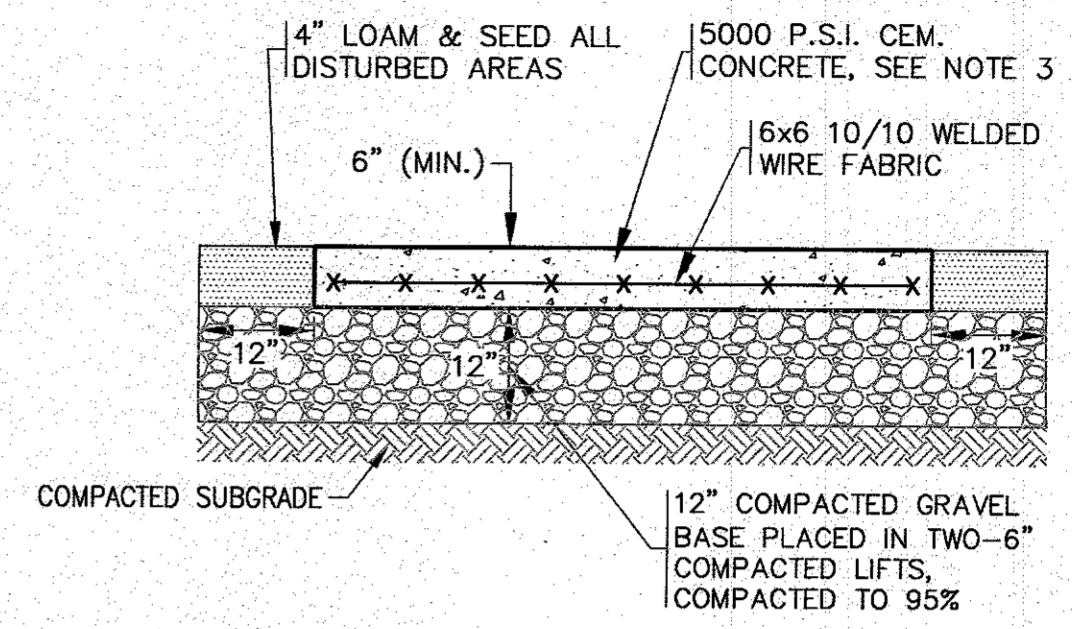
- NOTES:**
1. CIRCUIT CONDUCTORS TO BE PULLED AND TERMINATED BY ELECTRIC CONTRACTOR TO COORDINATE.
 2. CONTRACTOR TO COORDINATE WITH OWNER ON FINAL LIGHT FIXTURE SPECIFICATIONS.
 3. ALL MOUNTING HARDWARE AND INSTALLATION SHALL BE PER MANUFACTURER SPECIFICATIONS.
 4. ALL LIGHTING LAYOUT & FIXTURES SHALL COMPLY WITH SECTION 1240 (LIGHTING) OF THE TOWN OF WAREHAM ZONING BYLAW.

* REFER TO LIGHTING DESIGN PLAN FOR FINAL POLE HEIGHTS
STANDARD LIGHT POLE W/BASE
N.T.S.



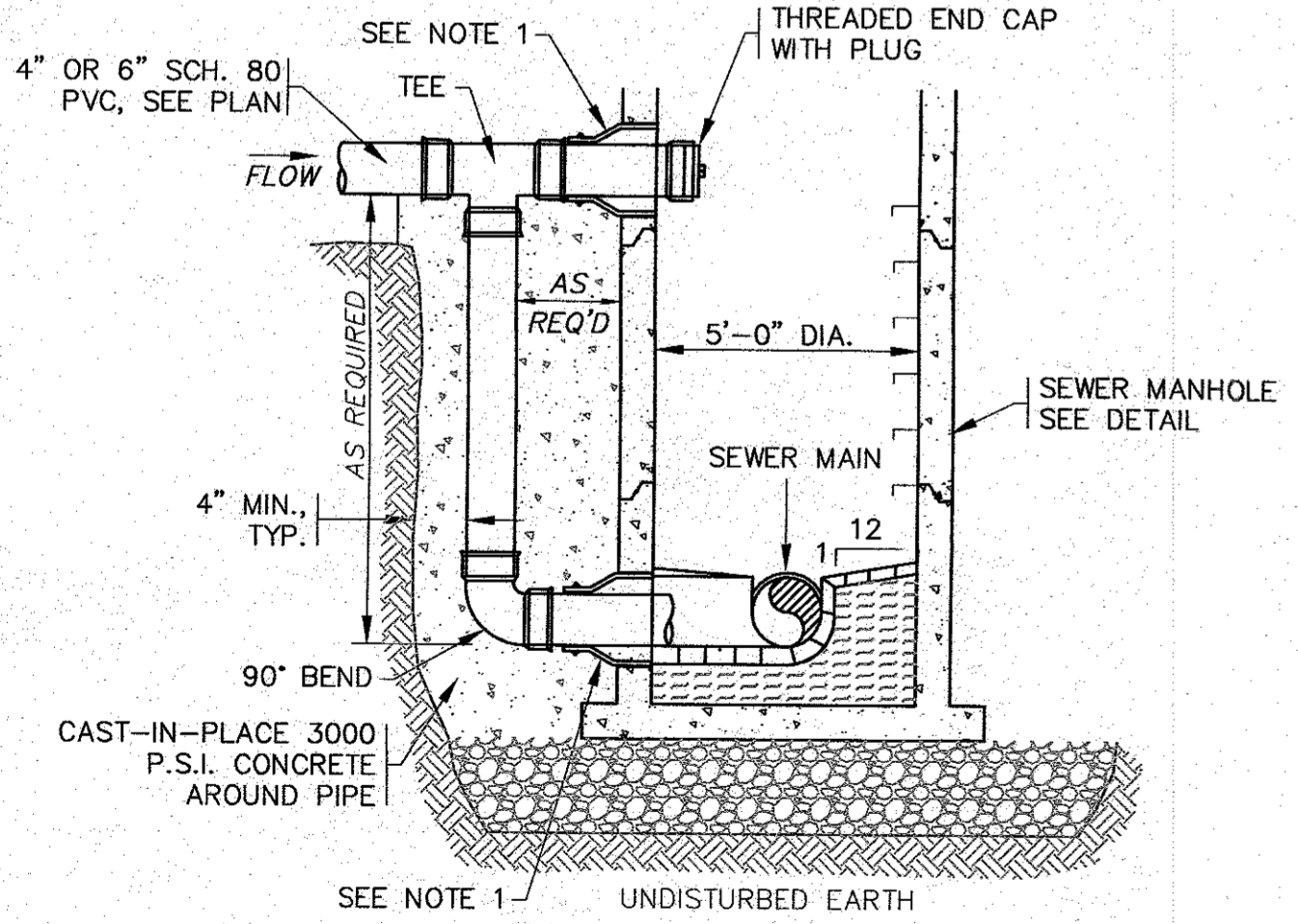
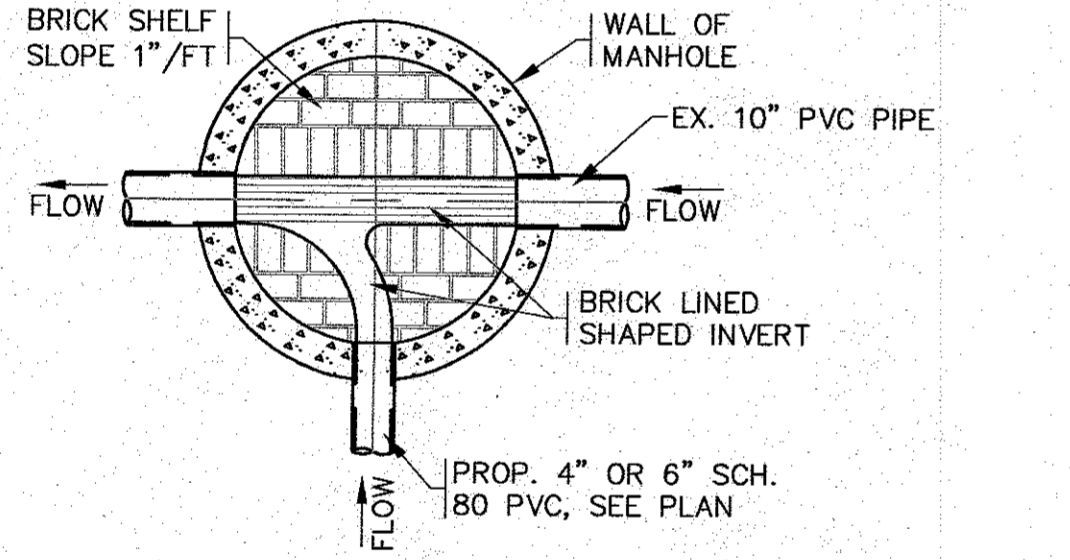
- NOTES:**
1. REFER TO MANUFACTURERS SPECIFICATIONS FOR COMPLETE DETAILS AND INSTALLATION GUIDELINES.
 2. REFER TO PLAN FOR LOCATIONS.
 3. CEMENT CONCRETE BASE SHALL BE USED AT ALL ENDS, ANGLE POINTS AND GATE POSTS. POSTS SHALL BE INSTALLED TO DEPTH OF 2'-6" MIN. OR TO A DEPTH AS REQUIRED FOR FROST ADEQUATE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

VINYL FENCE DETAIL
N.T.S.



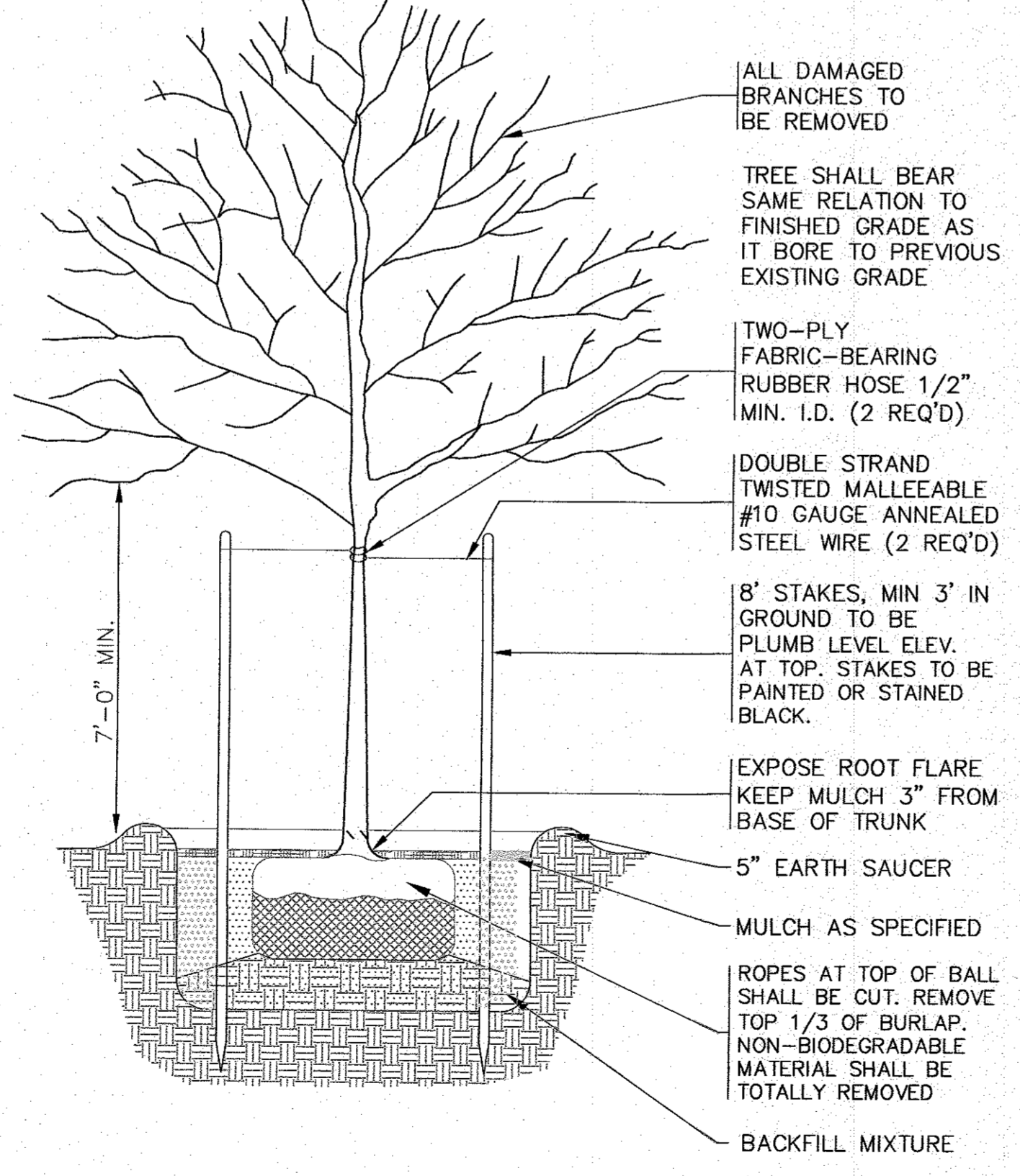
- NOTES:**
1. CEMENT CONCRETE PAD SHALL BE 6" THICK.
 2. CONSTRUCTION JOINTS TO BE SET AT INTERVALS OF 1/4 OF LENGTH.
 3. STRENGTH OF THE CEMENT CONCRETE SHALL BE 5000 P.S.I. @ 28 DAYS.
 4. SUBGRADE & BASE SHALL BE COMPACTED TO MINIMUM 95% MAXIMUM DRY DENSITY.
 5. SEE GRADING & DRAINAGE PLAN FOR ELEVATIONS.

CEMENT CONCRETE LOADING AREA PAD
N.T.S.



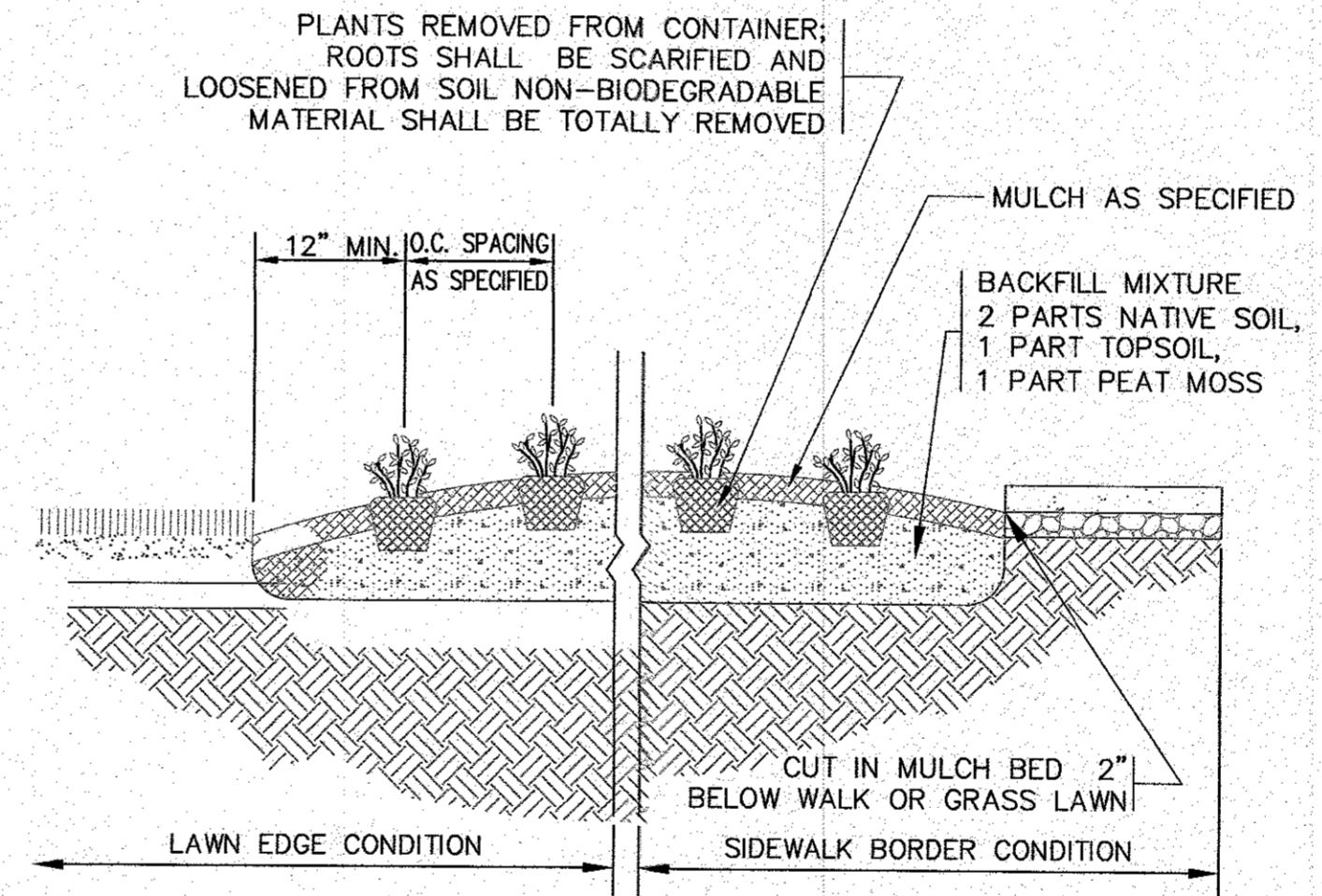
- NOTES:**
1. USE WATERTIGHT PENETRATION NON-SHRINK MORTAR OR RESILIENT EPDM RUBBER BOOT WITH INTERNAL EXTERNAL STAINLESS STEEL CLAMPS & EXPANDERS.
 2. ALL STRUCTURE JOINTS AND PENETRATIONS SHALL BE WATER TIGHT.
 3. REFER TO PLANS FOR PIPE SIZES, INVERTS, RIMS AND LOCATIONS.

OUTSIDE DROP - SEWER MANHOLE
N.T.S.

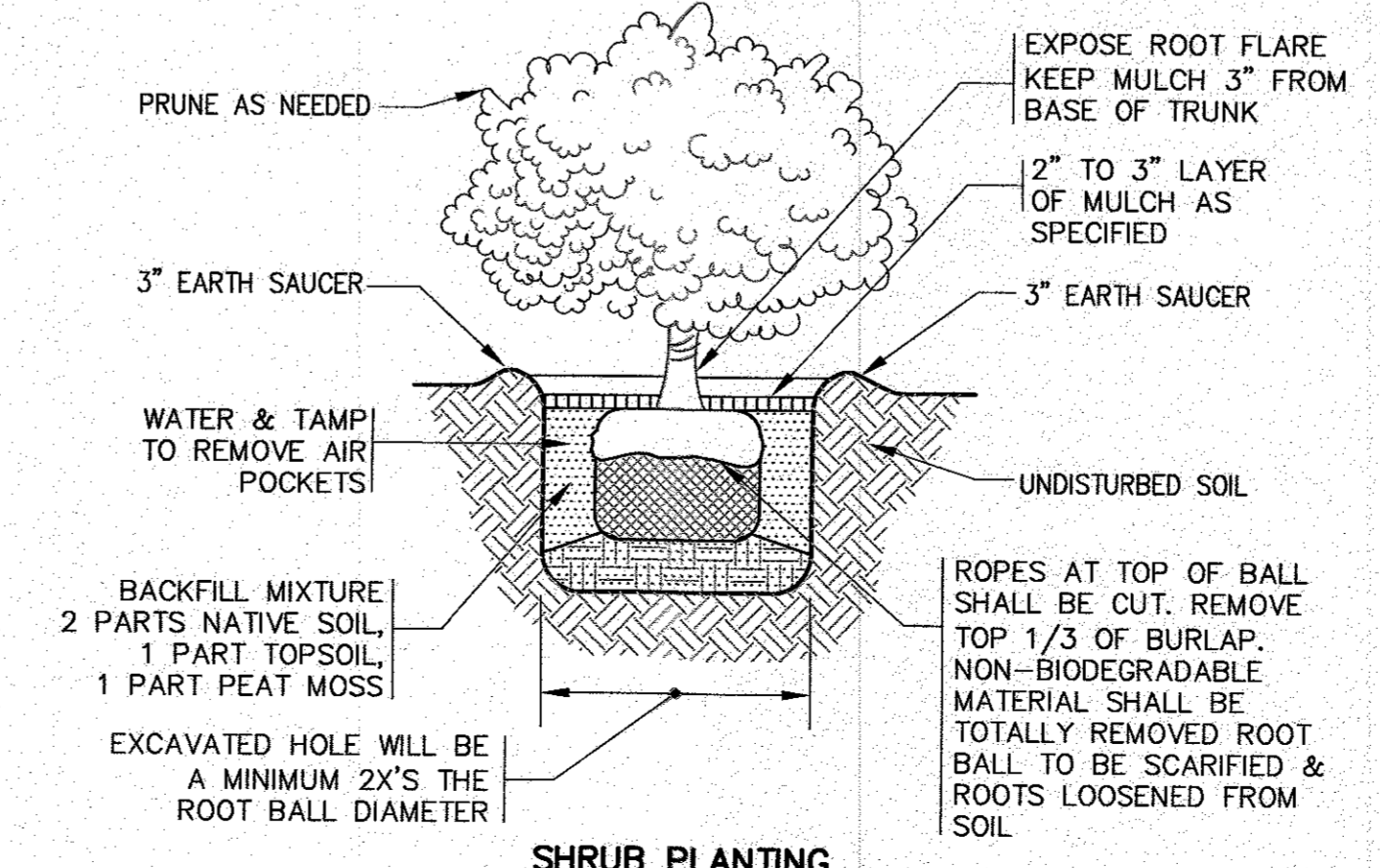


- NOTES:**
1. REFER TO LANDSCAPING PLAN FOR PLANTING LOCATIONS.

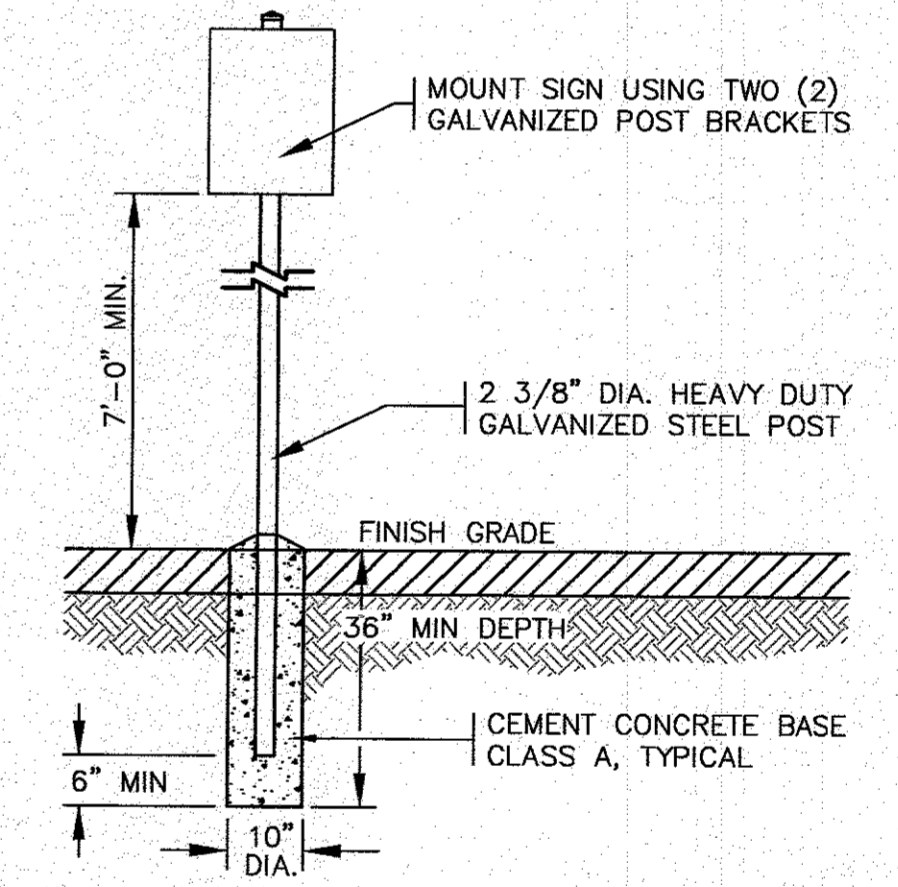
SHADE TREE PLANTING DETAIL
N.T.S.



GROUNDCOVER PLANTING DETAIL
N.T.S.

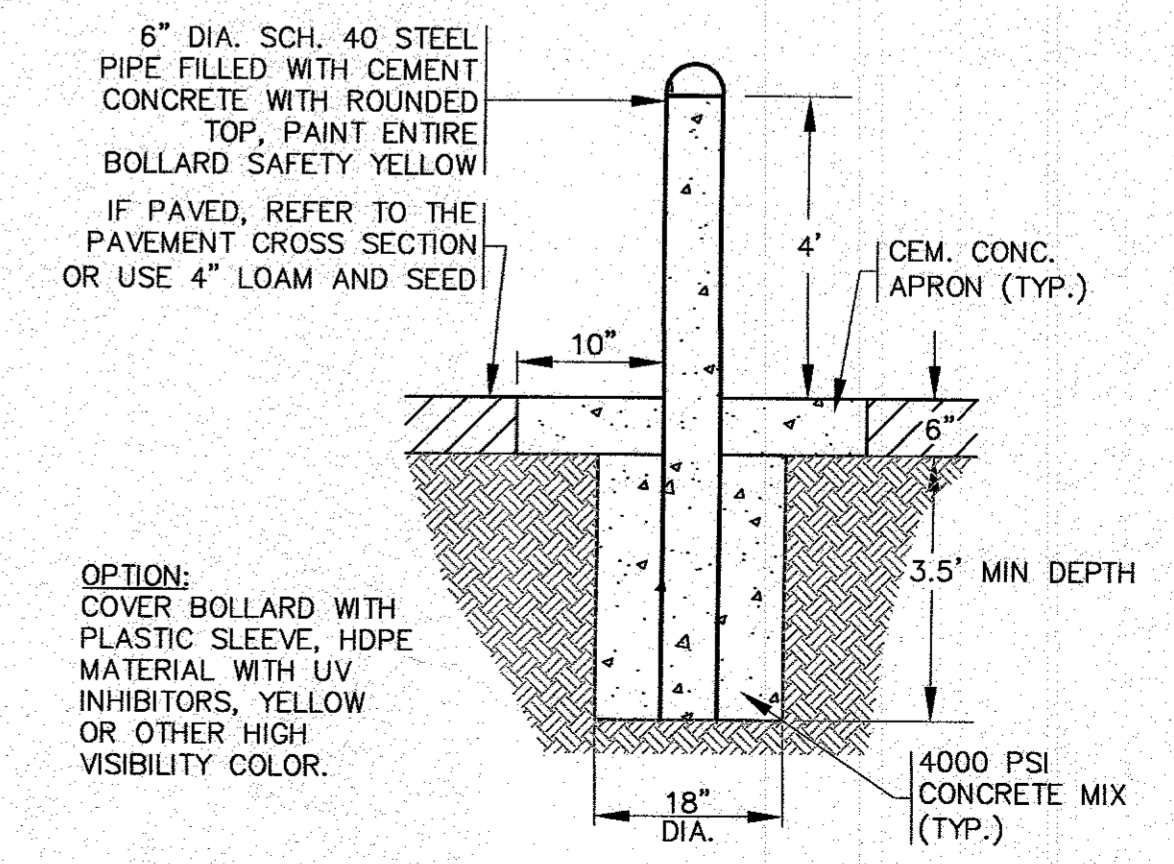


SHRUB PLANTING
N.T.S.



- NOTES:**
1. ALL SIGNS, MARKINGS AND DIMENSIONS SHALL BE IN CONFORMANCE WITH THE MOST RECENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MassDOT AND TOWN OF WAREHAM STANDARDS AND SPECIFICATIONS.
 2. ALL HARDWARE USED SHALL BE CADMIUM OR ZINC PLATED.

TYPICAL SIGN POST
N.T.S.



- NOTES:**
1. SEE PLAN FOR LOCATIONS.

TYPICAL BOLLARD DETAIL
N.T.S.

PERMIT SET
(NOT FOR CONSTRUCTION)

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