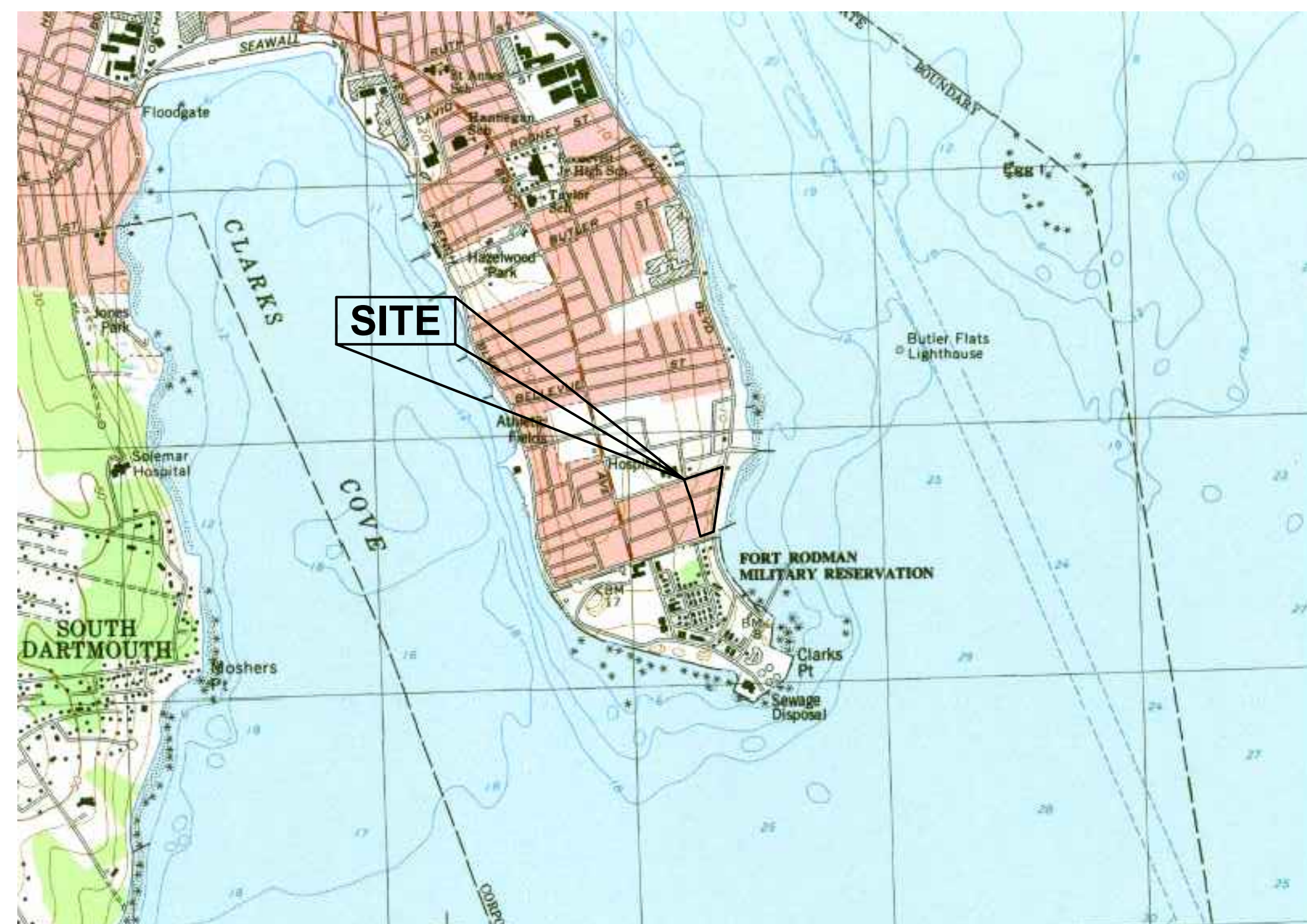


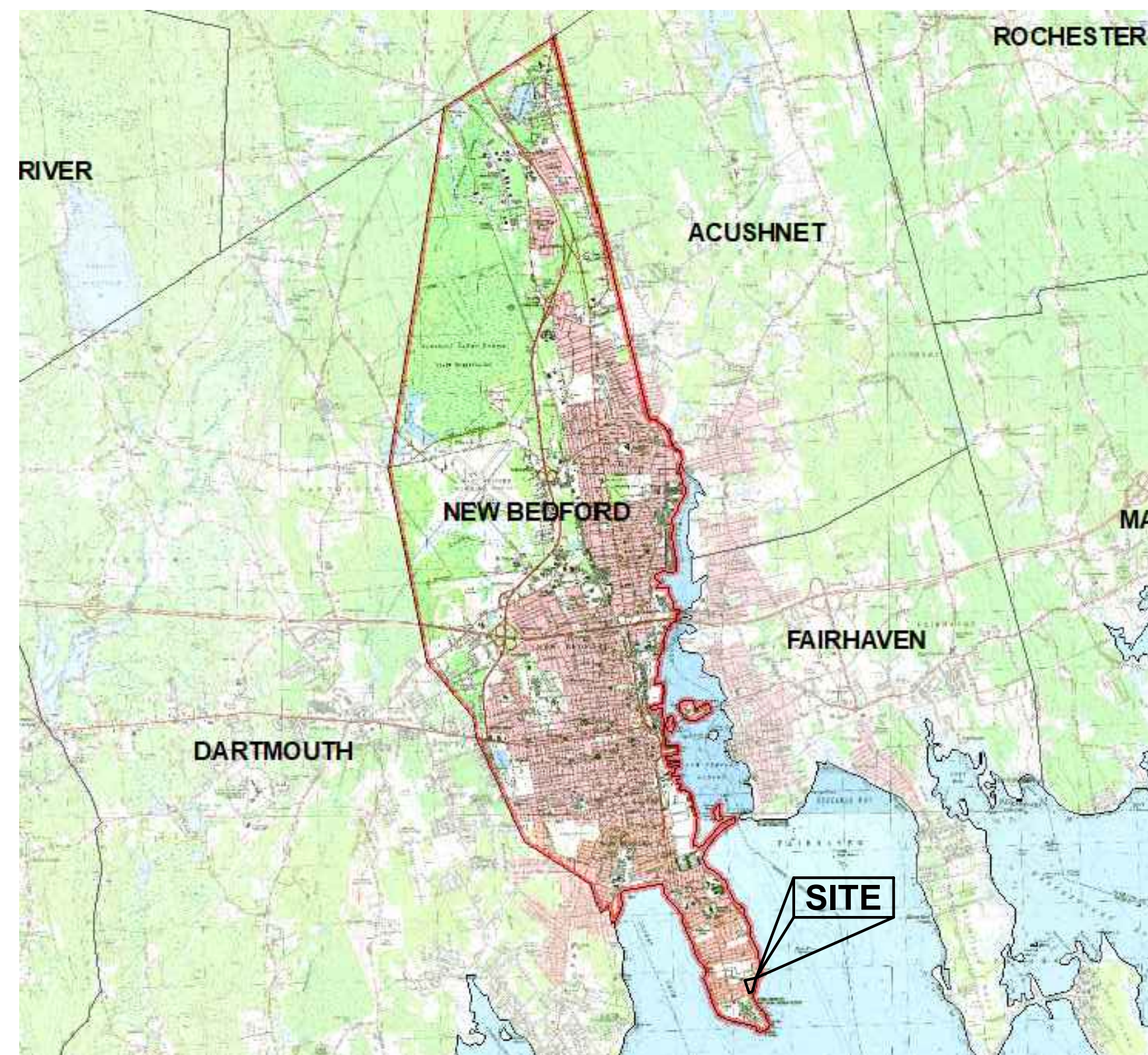
NOTICE OF INTENT SUBMISSION : APRIL 6, 2022

EAST BEACH PARK PARKING LOT GREEN INFRASTRUCTURE RETROFIT

NEW BEDFORD, MA



LOCUS MAP - NOT TO SCALE



NEW BEDFORD MA GIS LOCUS MAP

LIST OF DRAWINGS

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- C2.0 SITE DEMOLITION PLAN
- C2.1 SITE EROSION & SEDIMENT CONTROL PLAN
- C3.0 LAYOUT PLAN WITH SIGNAGE & STRIPING
- C3.1 LAYOUT PLAN WITH SIGNAGE & STRIPING
- C3.2 LAYOUT PLAN WITH SIGNAGE & STRIPING
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- C4.0 SITE GRADING PLAN
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- C6.0 EROSION & SEDIMENT CONTROL DETAILS
- C6.1 CIVIL DETAILS
- C6.2 SITE DETAILS SHEET II
- C6.3 SITE LAYOUT DETAILS

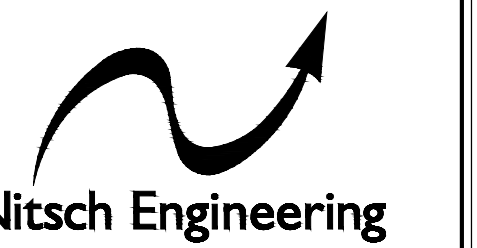
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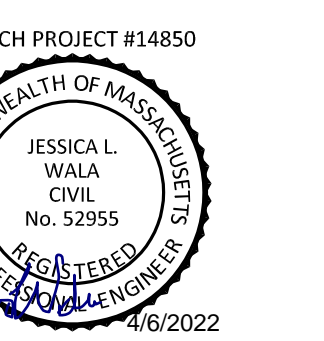
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PERMIT SET
4/6/2022**



COVER SHEET
EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
NEW BEDFORD, MA 02744
PREPARED FOR:
CITY OF NEW BEDFORD
181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
FILE: 14850-CL0.DWG
SCALE: 1"=10'
DATE: 03/XX/2022
PROJECT MANAGER: BFC
SURVEYOR: NITSCH
DRAFTED BY: KEW
CHECKED BY: JLW/BFC

SHEET:

C0.0

OF REV.

DEMOLITION NOTES:

- SITE PREPARATION AND DEMOLITION SHALL INCLUDE THOSE AREAS WITHIN THE LIMIT OF WORK LINE AS SHOWN ON THE CONTRACT DOCUMENTS.
- ANY AREA OUTSIDE THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- CONSULT ALL OF THE DRAWINGS AND SPECIFICATIONS FOR COORDINATION REQUIREMENTS BEFORE COMMENCING DEMOLITION.
- THE CONTRACTOR SHALL COORDINATE SITE DEMOLITION EFFORTS WITH ALL TRADES THAT MAY BE AFFECTED BY THE WORK.
- ALL ITEMS REQUIRING REMOVAL SHALL BE REMOVED TO FULL DEPTH TO INCLUDE BASE MATERIAL AND FOOTINGS OR FOUNDATIONS AS REQUIRED TO FACILITATE CONSTRUCTION, AND LEGALLY DISPOSED OF OFFSITE BY CONTRACTOR.
- UTILITY PIPES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE PLUGGED AT THEIR ENDS WITH WATERTIGHT BRICK MASONRY OR CEMENT MORTAR WITH A MINIMUM THICKNESS OF 8 INCHES.
- UTILITY PIPES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF THE ENTIRE LENGTH OF PIPE AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN THE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- UTILITY STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL HAVE THEIR CAST IRON CASTINGS REMOVED AND DISPOSED, INLET AND OUTLET PIPES PLUGGED, THE BOTTOM OF THE STRUCTURES SHALL BE BROKEN, THE VOID OF THE STRUCTURES SHALL BE BACKFILLED AND COMPACTED TO 95% WITH ORDINARY BORROW OR FLOWABLE FILL, AND THE TOP OF THE STRUCTURE SHALL BE REMOVED SO THAT IT IS AT LEAST 36 INCHES BELOW FINISH GRADE.
- UTILITY STRUCTURES DESIGNATED TO BE REMOVED SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF CAST IRON CASTINGS, PLUGGING OF INLET AND OUTLET PIPES, REMOVAL OF THE STRUCTURE, AND BACKFILL AND 95% COMPACTION OF THE VOID WITH ORDINARY BORROW. WHEN HE VOID IS WITHIN THE FOOTPRINT OF THE NEW BUILDING, GRAVEL BORROW SHALL BE USED TO BACKFILL THE VOID.
- ALL DEBRIS GENERATED DURING SITE PREPARATION ACTIVITIES SHALL BE LEGALLY DISPOSED OF OFFSITE.
- AT ALL LOCATIONS WHERE EXISTING CURBING, CONCRETE PAVEMENT OR BITUMINOUS CONCRETE ROADWAY ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE.
- EXTEND DESIGNATED LIMIT OF WORK AS NECESSARY TO ACCOMPLISH ROUGH GRADING, EROSION CONTROL, TREE PROTECTION, AND SITE WORK AS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REMOVE FROM THE SITE ALL RUBBISH AND DEBRIS FOUND THEREON. STORAGE OF SUCH MATERIALS ON THE PROJECT SITE WILL NOT BE PERMITTED. THE CONTRACTOR SHALL LEAVE THE SITE IN SAFE, CLEAN, AND LEVEL CONDITION UPON COMPLETION OF THE SITE DEMOLITION WORK.
- REMOVE AND STOCKPILE ALL EXISTING SITE LIGHTS, BENCHES, TRASH RECEPTACLES, TRAFFIC SIGNS, GRANITE CURB, AND OTHER SITE IMPROVEMENTS WITHIN LIMIT OF WORK LINE UNLESS OTHERWISE NOTED.
- ALL EXISTING TREES AND SHRUBS TO REMAIN SHALL BE PROTECTED AND MAINTAINED THROUGHOUT THE TIME OF CONSTRUCTION, AS SPECIFIED AND DIRECTED BY THE LANDSCAPE ARCHITECT.
- BEFORE ANY TREES OR SHRUBS ARE REMOVED, THE CONTRACTOR SHALL ARRANGE A CONFERENCE ON THE SITE WITH THE OWNER OR OWNER'S REPRESENTATIVE TO IDENTIFY TREES AND SHRUBS THAT ARE TO BE REMOVED, AS WELL AS THOSE WHICH ARE TO BE PROTECTED. DO NOT COMMENCE CLEARING OPERATIONS WITHOUT A CLEAR UNDERSTANDING OF EXISTING CONDITIONS TO BE PRESERVED.
- THE CONTRACTOR SHALL REMOVE FROM THE AREA OF CONSTRUCTION PAVEMENT, CONCRETE, CURBING, POLES AND FOUNDATIONS, ISLANDS, TREE BERMS AND OTHER FEATURES WITHIN THE LIMITS OF CONSTRUCTION AS REQUIRED TO ACCOMMODATE NEW CONSTRUCTION WHETHER SPECIFIED ON THE DRAWINGS OR NOT.

EARTH MOVING AND GRADING NOTES:

- ALL TOPSOIL ENCOUNTERED WITHIN THE WORK AREA SHALL BE STRIPPED TO ITS FULL DEPTH AND STOCKPILED FOR REUSE. EXCESS TOPSOIL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED BY THE OWNER. TOPSOIL PILES SHALL REMAIN SEGREGATED FROM EXCAVATED SUBSURFACE SOIL MATERIALS.
- GRADES WITHIN HANDICAP PARKING SPACES AND ACCESS AISLES SHALL NOT EXCEED 1.5% IN ANY DIRECTION.
- CROSS SLOPES OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 1.5%.
- RUNNING SLOPE OF ALL PEDESTRIAN WALKS SHALL NOT EXCEED 4.5%, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL EXERCISE CAUTION IN ALL EXCAVATION ACTIVITY DUE TO POSSIBLE EXISTENCE OF UNRECORDED UTILITY LINES.
- ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM OF 1% UNLESS OTHERWISE NOTED.
- PROVIDE POSITIVE DRAINAGE AWAY FROM FACE OF BUILDINGS AT ALL LOCATIONS.
- PITCH EVENLY BETWEEN CONTOUR LINES AND BETWEEN SPOT GRADES. SPOT GRADE ELEVATIONS TAKE PRECEDENCE OVER CONTOUR LINES.
- ALL PROPOSED TOP OF CURB ELEVATIONS ARE SIX INCHES (6") ABOVE BOTTOM OF CURB ELEVATIONS UNLESS OTHERWISE NOTED. ALL PROPOSED TOP OF CAPE COD BERM ELEVATIONS ARE FOUR INCHES (4") ABOVE BOTTOM OF CURB ELEVATION UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BLEND NEW GRADING SMOOTHLY INTO EXISTING GRADING AT LIMITS OF GRADING.
- WHERE NEW PAVING MEETS EXISTING PAVING, MEET LINE AND GRADE OF EXISTING PAVING WITH SMOOTH TRANSITION BETWEEN EXISTING AND NEW SURFACES.
- THE CONTRACTOR SHALL VERIFY EXISTING GRADES IN THE FIELD AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT OR OWNER'S REPRESENTATIVE PRIOR TO STARTING WORK.
- PITCH TOPS OF ALL WALLS AT ONE-EIGHTH INCH (1/8") PER FOOT FROM BACK OF WALL TO FACE OF WALL.
- SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE UNLESS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE. REFER TO EARTHWORK SPECIFICATIONS.
- ANY AREAS OUTSIDE OF THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THE PRE-CONSTRUCTION CONDITION/GRADE AT NO COST TO THE OWNER.
- EXCAVATION REQUIRED WITHIN PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST TO OWNER.

EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" PREPARED BY DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF RESOURCE PROTECTION, AND THE CURRENT NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES.
- MEANS OF EROSION AND SEDIMENT PROTECTION AS NOTED ON THE DRAWINGS INDICATE MINIMUM RECOMMENDED PROVISIONS. THE CONTRACTOR IS RESPONSIBLE FOR FINAL SELECTION AND PLACEMENT OF EROSION AND SEDIMENTATION CONTROLS BASED ON ACTUAL SITE CONDITIONS AND CONSTRUCTION CONDITIONS. ADDITIONAL MEANS OF PROTECTION SHALL BE PROVIDED BY THE CONTRACTOR AS REQUIRED FOR CONTINUED OR UNFORESEEN EROSION PROBLEMS, OR AS DIRECTED BY CONTROLLING MUNICIPAL AUTHORITIES, AT NO ADDITIONAL EXPENSE TO THE OWNER.
- AN EROSION CONTROL BARRIER SHALL BE INSTALLED ALONG THE EDGE OF PROPOSED DEVELOPMENT AS INDICATED IN THE PLAN PRIOR TO COMMENCEMENT OF DEMOLITION OR CONSTRUCTION OPERATIONS.
- SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF AND DURING ALL PHASES OF CONSTRUCTION AND BE CONSTRUCTED PRIOR TO AND IMMEDIATELY AFTER ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
- AFTER ANY SIGNIFICANT RAINFALL (GREATER THAN 0.25 INCHES OF RAINFALL WITHIN 24 HOURS), SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED FOR INTEGRITY. ANY DAMAGE SHALL BE CORRECTED IMMEDIATELY.
- PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES SHALL BE PROVIDED TO ENSURE THAT THE INTENDED PURPOSE IS ACCOMPLISHED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SEDIMENT LEAVING THE LIMIT OF WORK. SEDIMENT CONTROL MEASURES SHALL BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SEDIMENT FROM ENTERING ANY STORM DRAINAGE SYSTEM AND FROM BEING CONVEYED TO ANY WETLAND RESOURCE AREA, PUBLIC WAYS, ABUTTING PROPERTY, OR OUTSIDE OF THE PROJECT LIMITS.
- THE CONTRACTOR SHALL PROTECT ALL DRAINAGE SWALES AND GROUND SURFACES WITHIN THE LIMIT OF WORK FROM EROSION CONDITIONS. STRAW BALE, CRUSHED STONE OR EQUIVALENT CHECK DAMS ARE TO BE PROVIDED AT A MAXIMUM OF TWO HUNDRED (200) FOOT SPACING, OR LESS AS SITE-SPECIFIC CONDITIONS WARRANT, WITHIN ALL DRAINAGE SWALES AND DITCHES AND AT UPSTREAM SIDES OF ALL DRAINAGE INLETS.
- ALL STOCK PILES SHALL BE PROTECTED AND LOCATED A MINIMUM OF 100' FROM EXISTING WETLAND RESOURCE AREAS & WITHIN THE LIMIT OF WORK.
- ANY SEDIMENT TRACKED ONTO PAVED AREAS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.
- ALL SEDIMENT RETAINED BY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE LEGALLY DISPOSED OF OFFSITE.
- TEMPORARY DIVERSION DITCHES, PERMANENT DITCHES, CHANNELS, EMBANKMENTS, AND ANY DENuded SURFACE THAT WILL BE EXPOSED FOR A PERIOD OF 14 CALENDAR DAYS OR MORE SHALL BE CONSIDERED CRITICAL VEGETATION AREAS. THESE AREAS SHALL BE STABILIZED/PROTECTED WITH APPROPRIATE EROSION CONTROL MATTING OR OTHER EROSION CONTROL METHODS.
- DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AS DIRECTED BY THE PERMITTING AUTHORITY OR OWNER.
- THE CONTRACTOR SHALL USE TEMPORARY SEEDING, MULCHING, OR OTHER APPROVED STABILIZATION MEASURES TO PROTECT EXPOSED AREAS DURING PROLONGED CONSTRUCTION OR OTHER LAND DISTURBANCE. STOCKPILES THAT WILL BE EXPOSED FOR LONGER THAN 14 DAYS SHALL BE STABILIZED.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL EROSION AND SEDIMENT CONTROLS AT THE COMPLETION OF SITE CONSTRUCTION, BUT ONLY WHEN DIRECTED BY THE CITY/TOWN OF XXXX CONSERVATION AGENT. STABILIZE OR SEED BARE AREAS LEFT AFTER EROSION CONTROL REMOVAL.

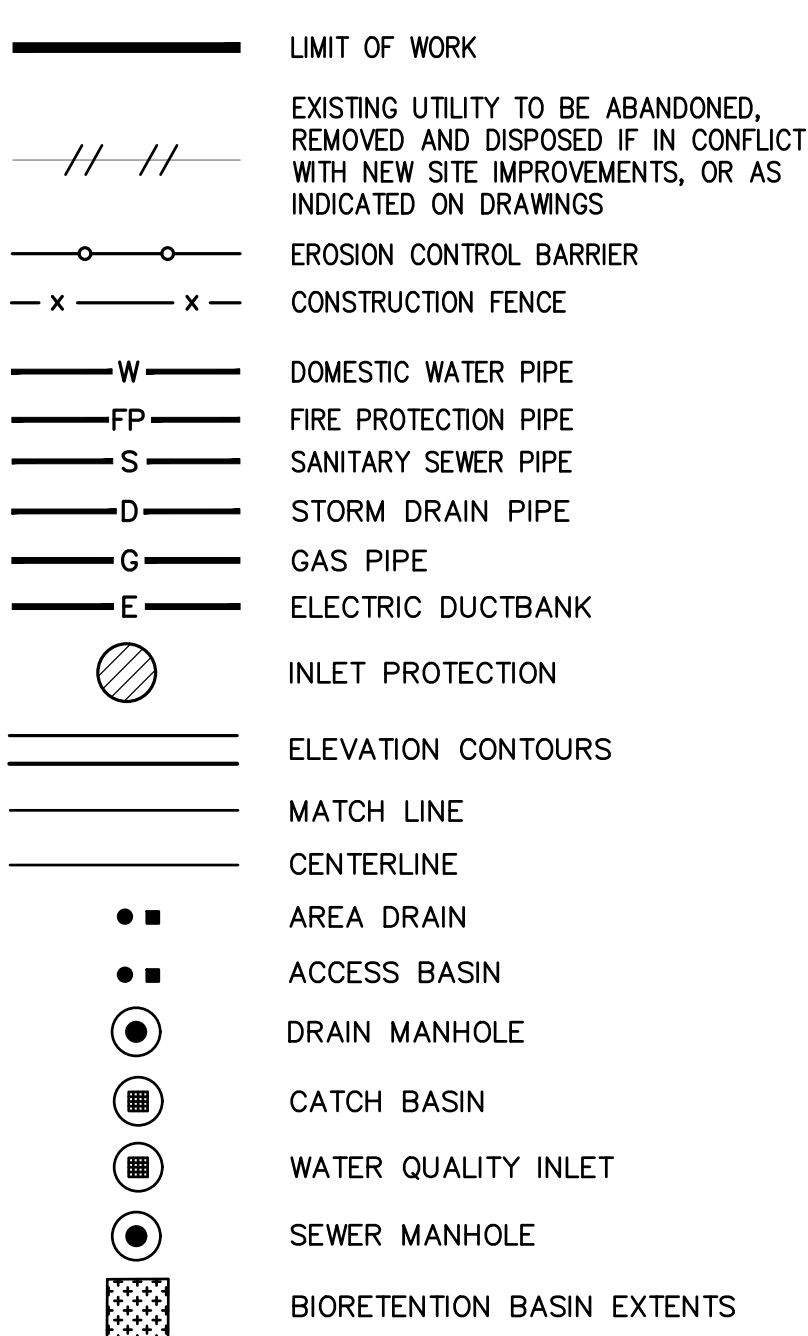
UTILITY NOTES:

- ALL UTILITY CONNECTIONS ARE SUBJECT TO THE APPROVAL OF, AND GRANTING OF PERMITS BY, THE LOCAL MUNICIPALITY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL PERMITS AND APPROVALS RELATED TO UTILITY WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ALL PERMISSIONS FOR, AND FOR CONDUCTING ALL PREPARATIONS RELATED TO, WORK AFFECTING ANY UTILITIES WITHIN THE JURISDICTION OF ANY NON-MUNICIPAL UTILITY COMPANY, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE, AND/OR GAS. THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE AGENCIES, DEPARTMENTS, AND UTILITY COMPANIES, IN WRITING, AT LEAST 7 DAYS (OR PER UTILITY COMPANY REQUIREMENT) AND NOT MORE THAN 30 DAYS PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN UTILITIES SERVICING BUILDINGS AND FACILITIES WITHIN OR OUTSIDE THE PROJECT LIMIT UNLESS THE INTERRUPTION OF SERVICE IS COORDINATED WITH THE OWNER.
- ALL WATER, SEWER, AND DRAIN WORK SHALL BE PERFORMED ACCORDING TO THE REQUIREMENTS AND STANDARD SPECIFICATIONS OF THE LOCAL MUNICIPALITY.
- GAS, TELECOMMUNICATIONS AND ELECTRIC SERVICES ARE TO BE DESIGNED BY EACH UTILITY COMPANY IN COORDINATION WITH THE MECHANICAL, ELECTRIC, AND PLUMBING CONSULTANTS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES OF NEW UTILITIES WITH GAS, TELECOMMUNICATION AND ELECTRICAL SERVICES.
- INSTALL WATER LINES WITH A MINIMUM OF FIVE FEET OF COVER AND A MAXIMUM OF SEVEN FEET COVER FROM THE FINAL DESIGN GRADES.
- MAINTAIN 10 FEET HORIZONTAL SEPARATION AND 18 INCHES VERTICAL SEPARATION (WATER OVER SEWER) BETWEEN SEWER AND WATER LINES. WHEREVER THERE IS LESS THAN 10 FEET OF HORIZONTAL SEPARATION AND 18 INCHES OF VERTICAL SEPARATION BETWEEN A PROPOSED OR EXISTING SEWER LINE TO REMAIN AND A PROPOSED OR EXISTING WATER LINE TO REMAIN BOTH WATER MAIN AND SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT CEMENT LINED DUCTILE IRON PIPE FOR A DISTANCE OF 10- FEET ON EITHER SIDE OF THE CROSSING. ONE (1) FULL LENGTH OF WATER PIPE SHALL BE CENTERED OVER THE SEWER AT THE CROSSING.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES EXCEPT THOSE NOTED TO BE ABANDONED AND/OR REMOVED & DISPOSED.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR TRENCHING, BACKFILLING, AND SURFACE RESTORATION FOR GAS UTILITY SYSTEMS.
- ALL ONSITE UTILITIES SHALL BE INSTALLED UNDERGROUND UNLESS OTHERWISE NOTED.
- ALL EXISTING AND PROPOSED MANHOLE FRAMES, COVERS, VALVES, CLEANOUTS, CASTINGS, ETC. SHALL BE RAISED TO FINISHED GRADE PRIOR TO FINAL GRADING AND PAVING CONSTRUCTION.
- ALL GRATES IN WALKWAYS SHALL BE ADA COMPLIANT.

GENERAL NOTES:

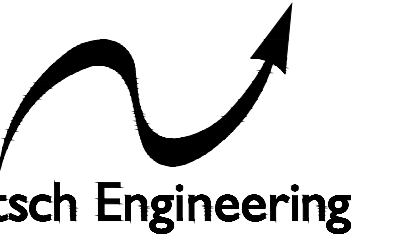
- TOPOGRAPHIC DATA, PROPERTY LINE INFORMATION, AND EXISTING SITE FEATURES WERE OBTAINED FROM A PLAN ENTITLED "EAST BEACH PARKING LOT RODNEY FRENCH BOULEVARD (EAST)", PREPARED BY NITSCH ENGINEERING, DATED 01/27/2022.
- FLOODPLAIN INFORMATION WAS OBTAINED FROM THE FLOOD INSURANCE RATE MAP (FIRM) NO. 25005C0482G. THE SITE IS IN ZONE AE AND ZONE VE.
- THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82, SECTION 20, AS AMENDED, WHICH STATES THAT NO ONE MAY EXCAVATE IN THE COMMONWEALTH OF MASSACHUSETTS EXCEPT IN AN EMERGENCY WITHOUT 72 HOURS NOTICE, EXCLUSIVE OF SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, TO NATURAL GAS PIPELINE COMPANIES, AND MUNICIPAL UTILITY DEPARTMENTS THAT SUPPLY GAS, ELECTRICITY, TELEPHONE, OR CABLE TELEVISION SERVICE IN OR TO THE CITY OR TOWN WHERE THE EXCAVATION IS TO BE MADE. THE CONTRACTOR SHALL CALL "DIG SAFE" AT 1-888-DIG-SAFE.
- THE CONTRACTOR SHALL COMPLY WITH MASSACHUSETTS GENERAL LAWS CHAPTER 82A, ALSO REFERRED TO AS JACKIE'S LAW, AS DETAILED IN SECTION 520 CMR 14.00 OF THE CODE OF MASSACHUSETTS REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES, REGULATIONS AND SAFETY CODES IN THE CONSTRUCTION OF ALL IMPROVEMENTS.
- THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE AND ALL UTILITIES MAY NOT BE SHOWN. PRESENCE AND LOCATIONS OF ALL UTILITIES WITHIN THE LIMIT OF WORK MUST BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING AND CONTACTING THE CONTROLLING AUTHORITIES AND/OR UTILITY COMPANIES RELATIVE TO THE LOCATIONS AND ELEVATIONS OF THEIR LINES. THE CONTRACTOR SHALL KEEP A RECORD OF ANY DISCREPANCIES OR CHANGES IN THE LOCATIONS OF ANY UTILITIES SHOWN OR ENCOUNTERED DURING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER AND NITSCH ENGINEERING. ANY DAMAGE RESULTING FROM THE FAILURE OF THE CONTRACTOR TO MAKE THESE DETERMINATIONS AND CONTACTS SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL THROUGHOUT CONSTRUCTION, TAKE ADEQUATE PRECAUTIONS TO PROTECT ALL WALKS, GRADING, SIDEWALKS AND SITE DETAILS OUTSIDE OF THE LIMIT OF WORK AS DEFINED ON THE DRAWINGS AND SHALL REPAIR AND REPLACE OR OTHERWISE MAKE GOOD AS DIRECTED BY THE ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE ANY SUCH OR OTHER DAMAGE SO CAUSED.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION MEANS AND METHODS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND CONSTRUCTION DOCUMENTS TO DEVELOP A THOROUGH UNDERSTANDING OF THE PROJECT, INCLUDING ANY SPECIAL CONDITIONS AND CONSTRAINTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PROJECT SITE AND TO VERIFY ALL CONDITIONS IN THE FIELD AND REPORT DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATION IMMEDIATELY.
- THE CONTRACTOR SHALL CONDUCT ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE ESTABLISHMENT AND USE OF ALL VERTICAL AND HORIZONTAL CONSTRUCTION CONTROLS.
- ELEVATIONS REFER TO NAVD 88.
- THE CONTRACTOR SHALL COMPLY WITH THE ORDER OF CONDITIONS DATED XXXX XX, XXXX AND ISSUED BY THE XXXX CONSERVATION COMMISSION (DEP #XXX-XXX).
- FOR SOIL INFORMATION REFER TO GEOTECHNICAL REPORT.

PROPOSED LEGEND



ABBREVIATIONS

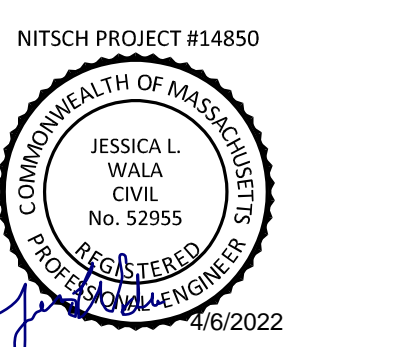
- AB ACCESS BASIN
- AD AREA DRAIN
- BC BOTTOM OF CURB ELEVATION
- CB CATCH BASIN
- CCB CAPE COD BERM
- CL CENTER LINE
- CO CLEANOUT
- COP CENTER OF PIPE
- CP CARRIER PIPE
- CPP CORRUGATED POLYETHYLENE PIPE
- DCB DOUBLE CATCH BASIN
- DI DUCTILE IRON PIPE CEMENT LINED
- DMH DRAIN MANHOLE
- EMH ELECTRIC MANHOLE
- HP HIGH POINT
- HYD FIRE HYDRANT
- INV INVERT ELEVATION
- LF LINEAR FEET
- LOW LIMIT OF WORK
- LP LOW POINT
- M&P MAINTAIN AND PROTECT
- NIC NOT IN CONTRACT
- OC ON CENTER
- OCS OUTLET CONTROL STRUCTURE
- PD PERIMETER DRAIN
- PERF PERFORATED
- PVC POLYVINYL CHLORIDE PIPE
- R&D REMOVE AND DISPOSE
- R&S REMOVE AND STOCKPILE
- RD ROOF DRAIN
- RIM RIM ELEVATION
- SMH SEWER MANHOLE
- SS SEWER SERVICE
- TC TOP OF CURB ELEVATION
- TW TOP OF WALL ELEVATION
- TOP TOP OF PIPE
- TOD TOP OF DUCT BANK
- TOP TYPICAL
- UD UNDERDRAIN
- USD UNDERSLAB DRAIN
- VGC VERTICAL GRANITE CURB
- WQI WATER QUALITY INLET
- WQS WATER QUALITY STRUCTURE
- WV WATER VALVE



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 4/6/2022**



CIVIL NOTES, ABBREVIATIONS, & LEGENDS

EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W&S EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
CITY OF NEW BEDFORD
 181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CLO.DWG
 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

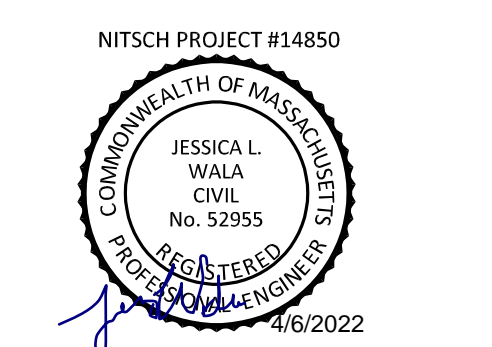
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- ▶ Planning
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SITE DEMOLITION PLAN
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W5 EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
CITY OF NEW BEDFORD
 181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

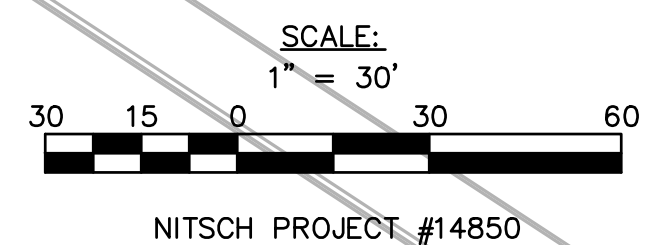
REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CLO.DWG
 SCALE: 1"=30'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

SHEET:

C2.0

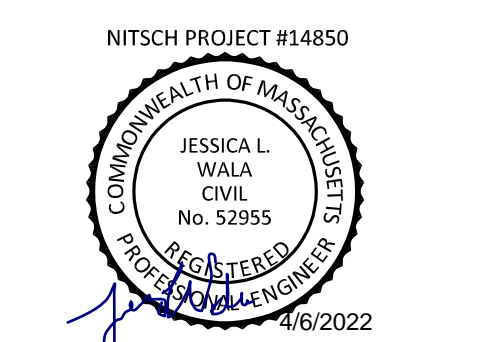
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 4/6/2022**



SITE EROSION & SEDIMENT CONTROL PLAN

EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W5 EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
CITY OF NEW BEDFORD
 181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

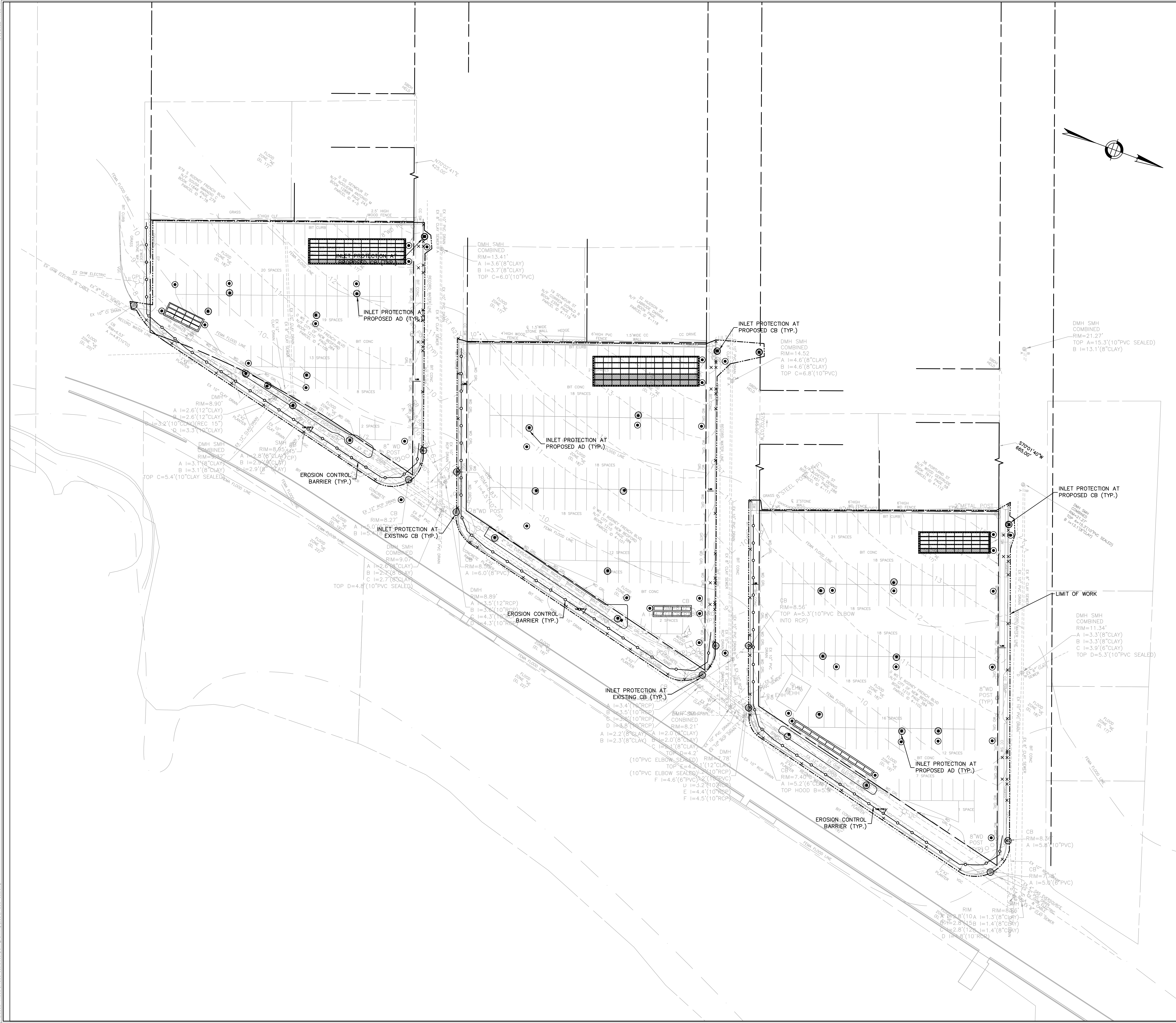
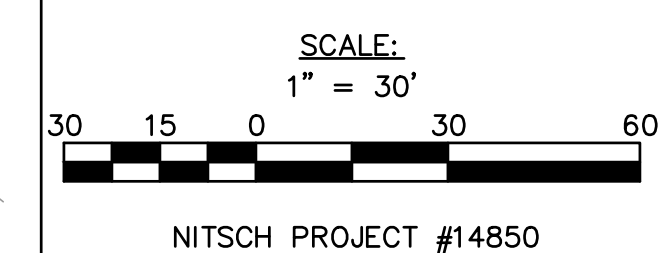
REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CLO.DWG
 SCALE: 1"=30'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

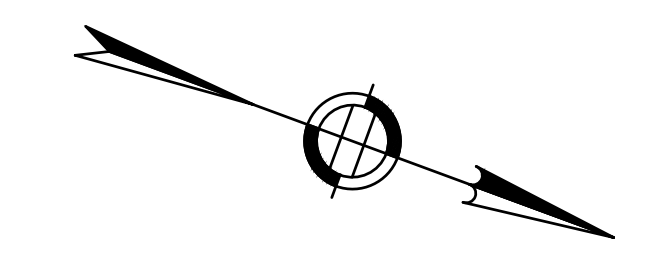
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OF REVISIONS



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 4/6/2022 11:59 AM



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**NOTICE OF INTENT
 PERMIT SET
 4/6/2022**

NITSCH PROJECT #14850

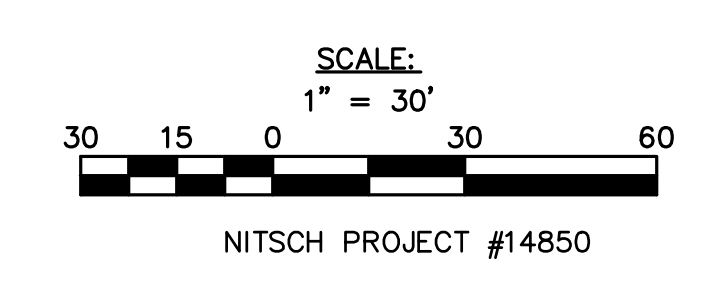
SITE LAYOUT PLAN
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W3 EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

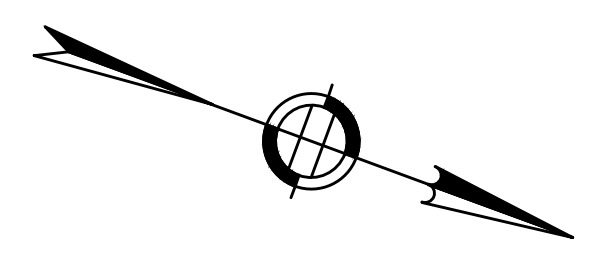
PREPARED FOR:
CITY OF NEW BEDFORD
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REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CLO.DWG
 SCALE: 1"=30'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

SHEET:
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 OF REV.

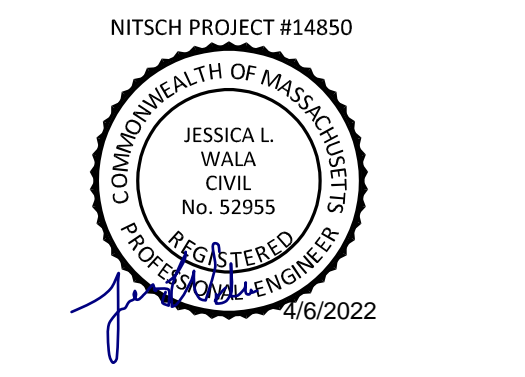




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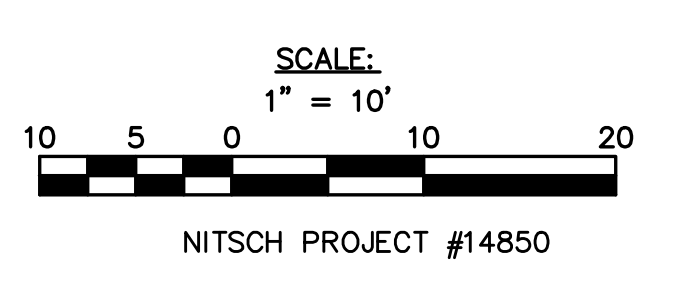


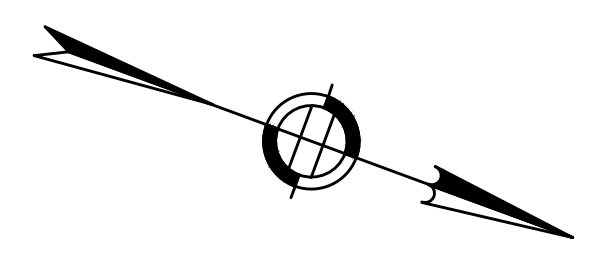
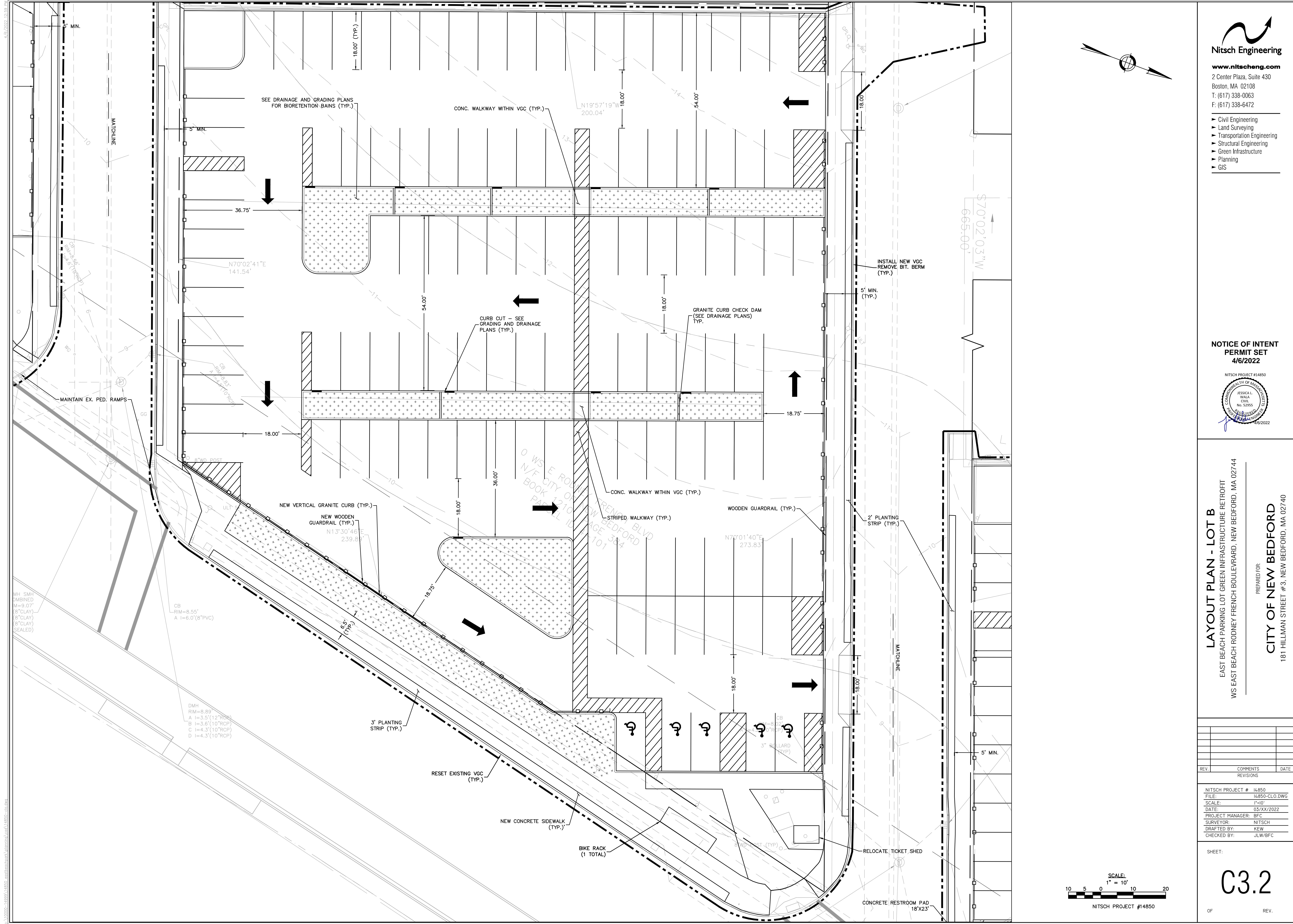
LAYOUT PLAN - LOT A
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W3 EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
 PREPARED FOR:
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REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CL0.DWG
 SCALE: 1" = 10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
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 CHECKED BY: JLW/BFC

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 OF REVISIONS

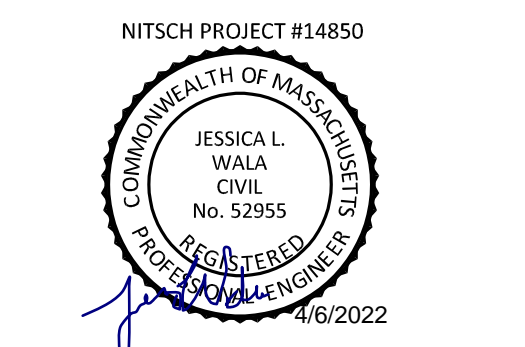




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 4/6/2022**

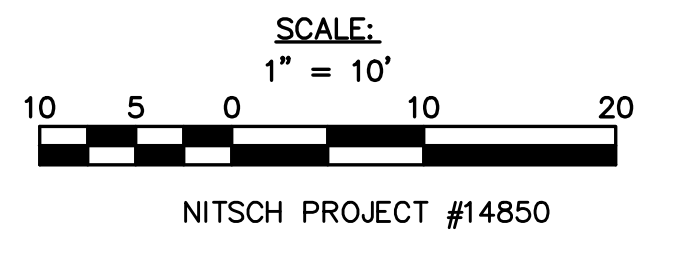


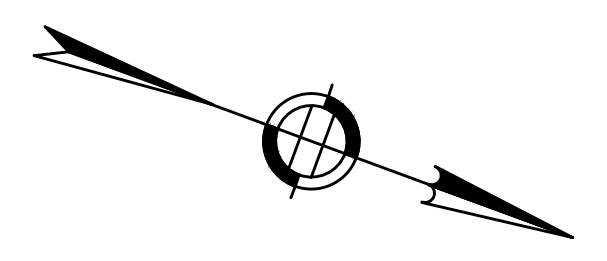
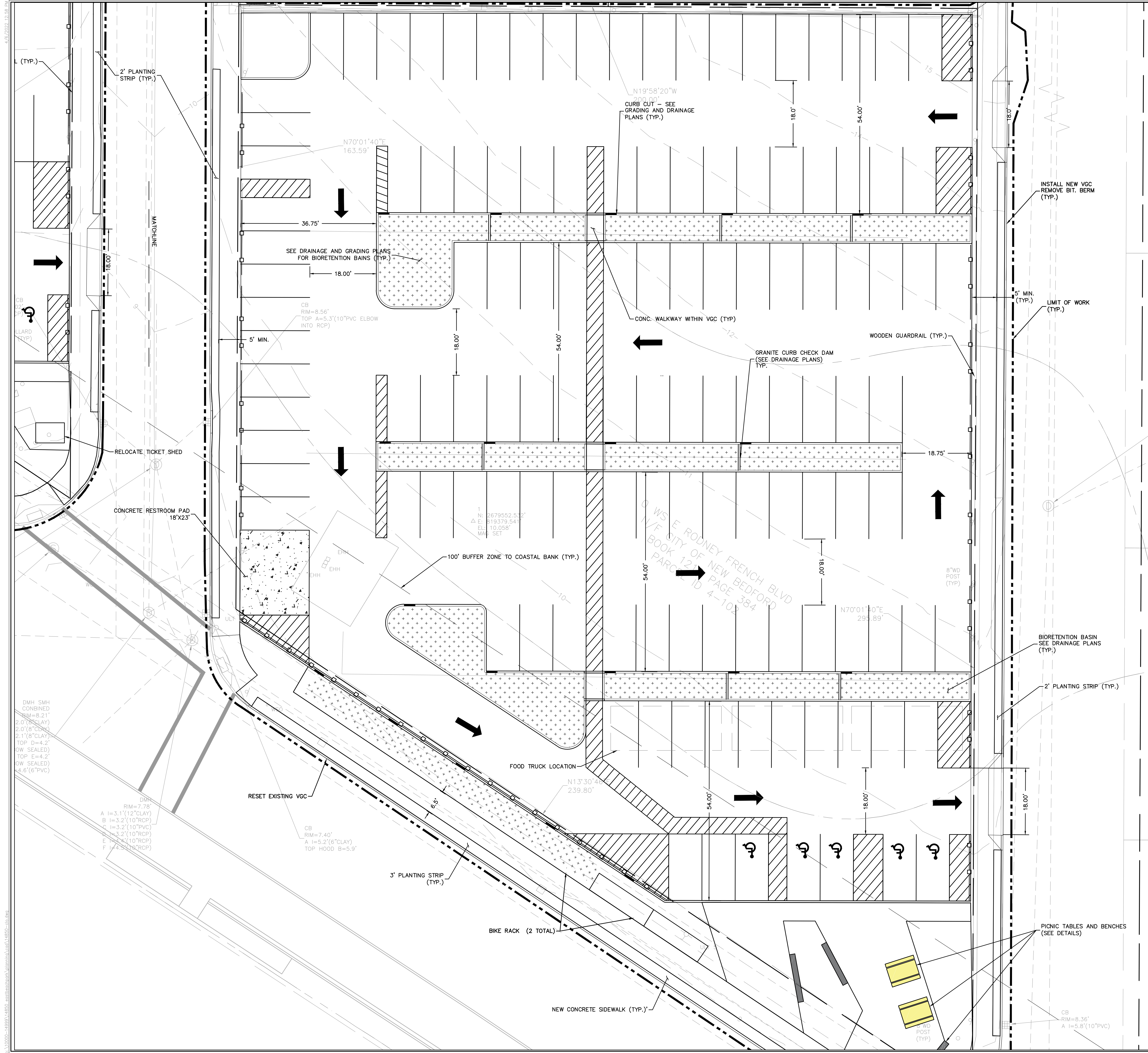
LAYOUT PLAN - LOT B
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W3 EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

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NOTICE OF INTENT PERMIT SET 4/6/2022

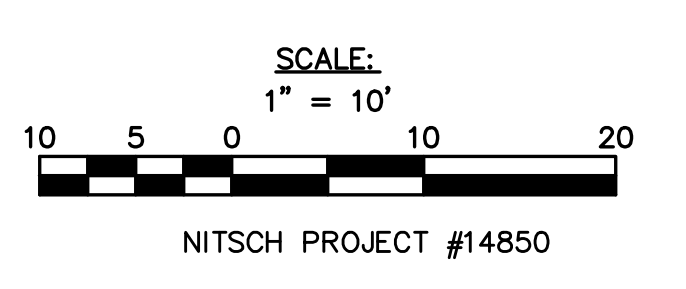
NITSCH PROJECT #14850

LAYOUT PLAN - LOT C
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 W/S EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

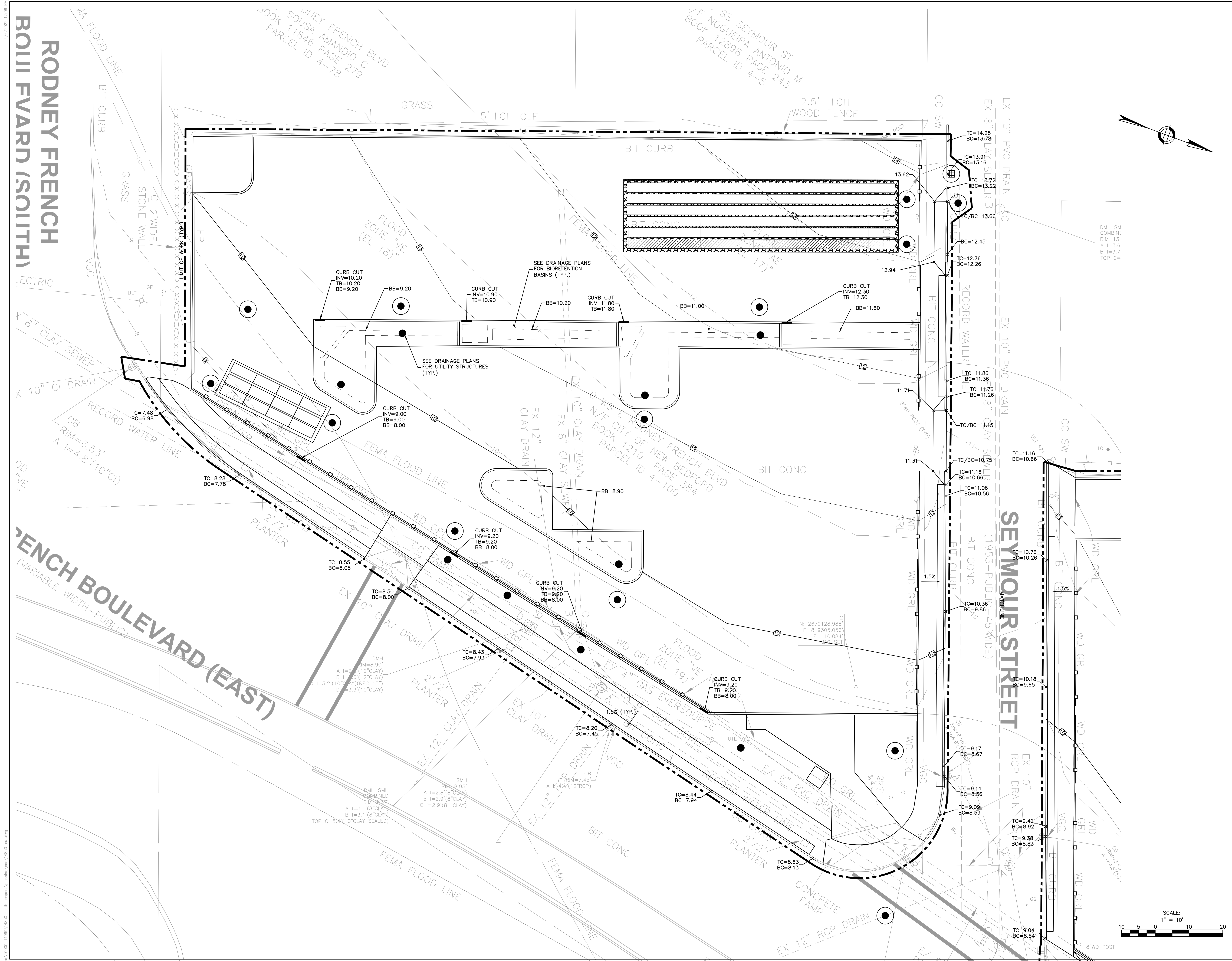
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REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CL0.DWG
 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC



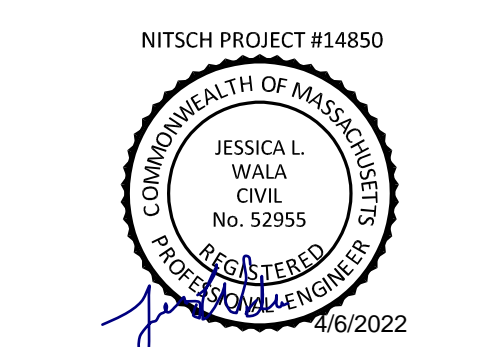
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 4/6/2022**

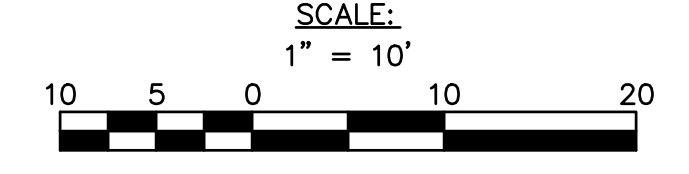


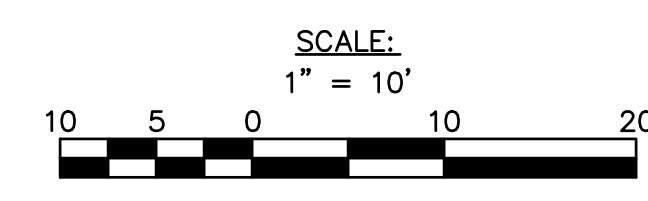
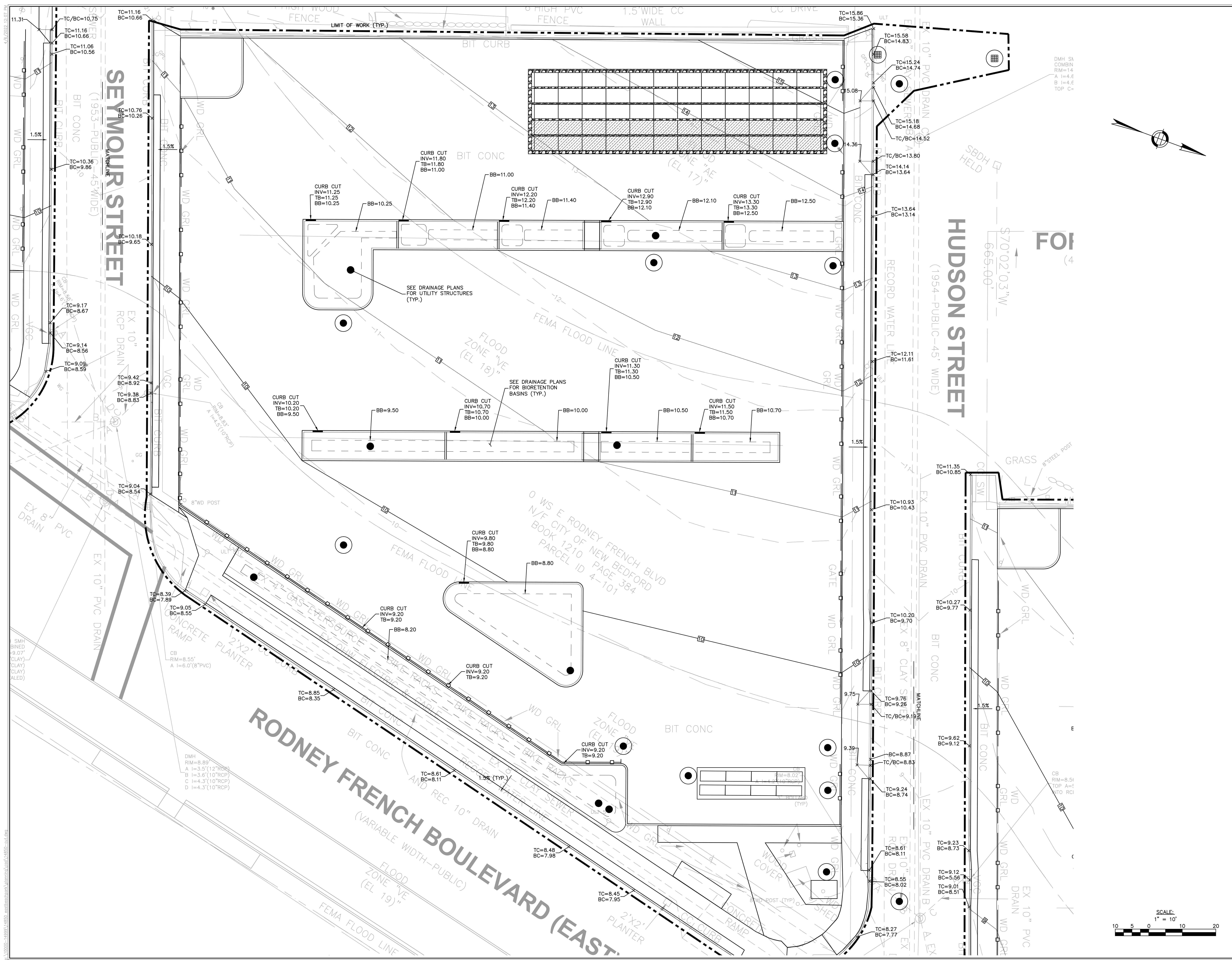
SITE GRADING PLAN - LOT A
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CUT.DWG
 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
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NITSCH PROJECT #14850

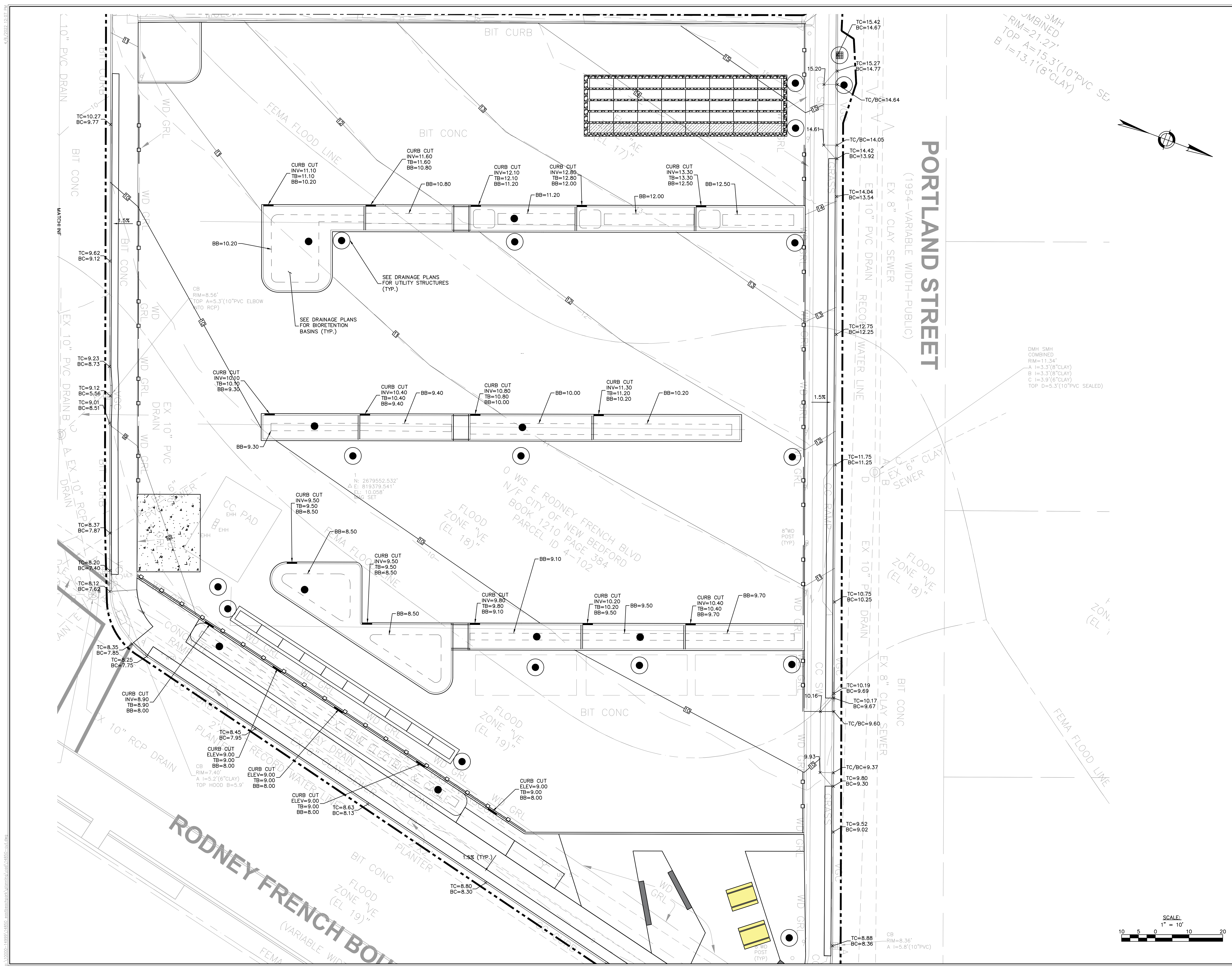
SITE GRADING PLAN - LOT B
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
CITY OF NEW BEDFORD
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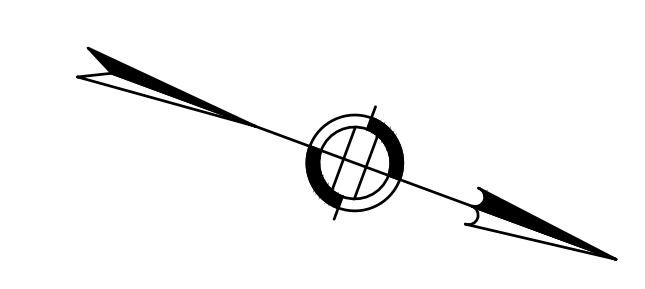
REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
 FILE: 14850-CUT.DWG
 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

SHEET:
C4.2
 OF REV.



DMH SMH
COMBINED
RIM=21.27'
TOP A=15.3'(10" PVC SE)
B=13.1'(8" CLAY)



PORTLAND STREET
(1954-VARIABLE WIDTH-PUBLIC)

DMH SMH
COMBINED
RIM=11.34'
A=3.3'(8" CLAY)
B=3.3'(8" CLAY)
C=3.9'(6" CLAY)
TOP D=5.3'(10" PVC SEALED)

0 WS E RODNEY FRENCH BLVD
N/F CITY OF NEW BEDFORD
BOOK 1210 PAGE 384
PARCEL ID 4-102

RODNEY FRENCH BOULEVARD
(VARIABLE WIDTH)

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PERMIT SET
4/6/2022**

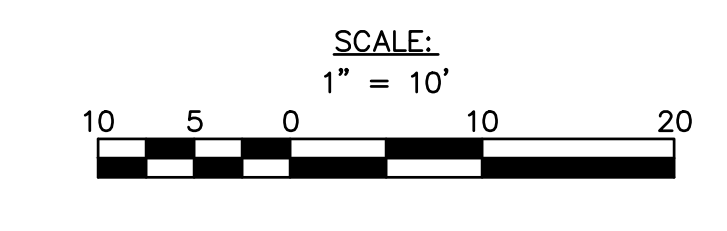
NITSCH PROJECT #14850

SITE GRADING PLAN - LOT C
EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

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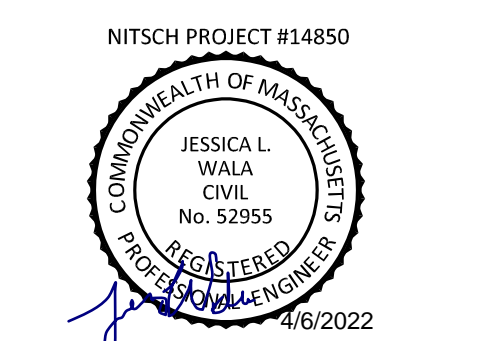
REV.	COMMENTS	DATE

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**NOTICE OF INTENT
 PERMIT SET
 4/6/2022**



SITE DRAINAGE PLAN - OVERALL
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
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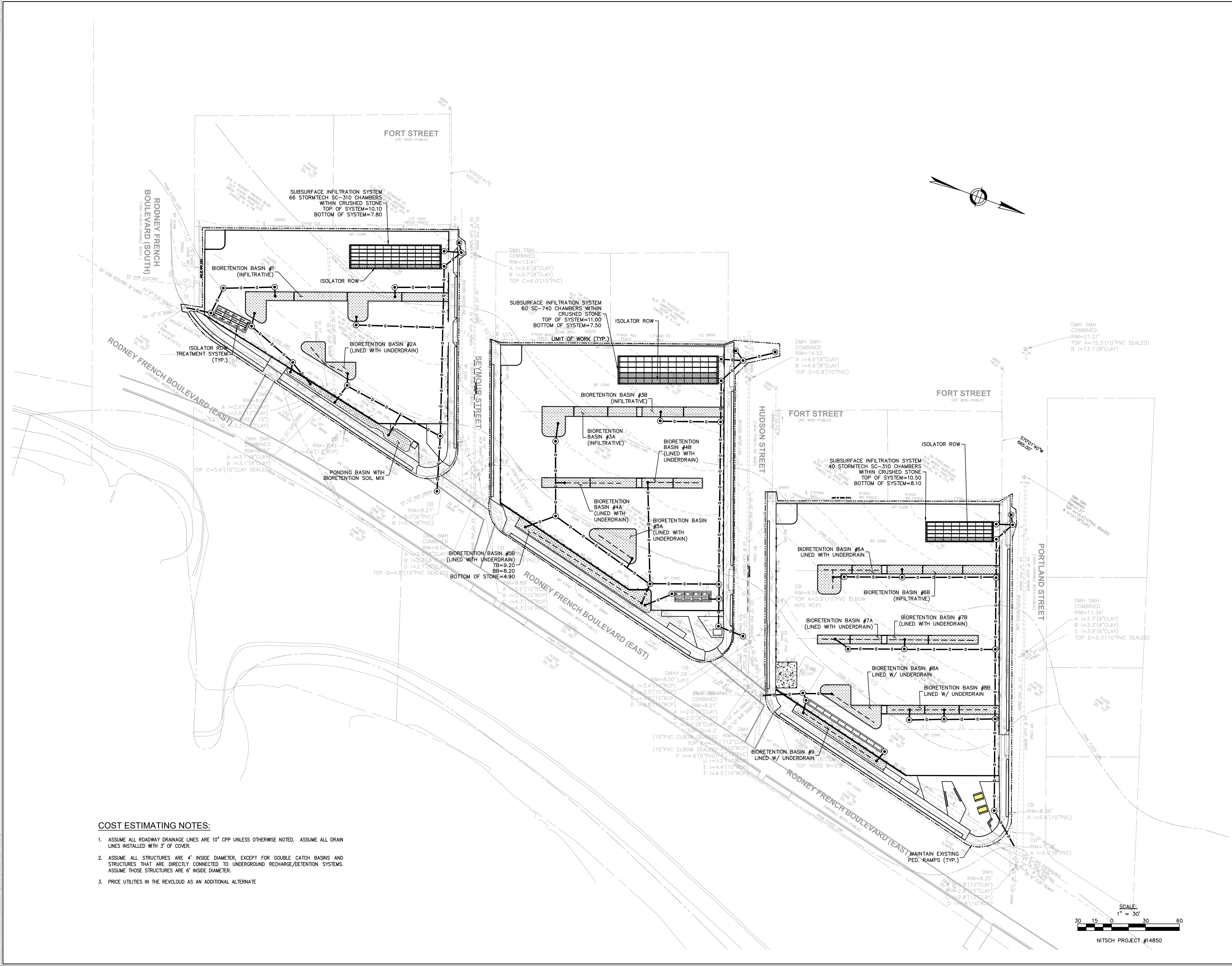
REV.	COMMENTS	DATE

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FILE:	14850-CLO.DWG
SCALE:	1"=30'
DATE:	03/24/2022
PROJECT MANAGER:	BFC
SURVEYOR:	NITSCH
DRAFTED BY:	KEW
CHECKED BY:	JLW/BFC

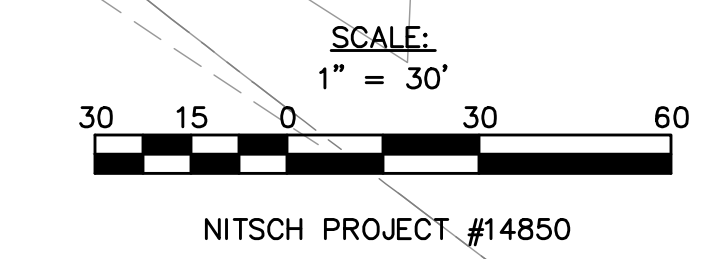
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OF REV.

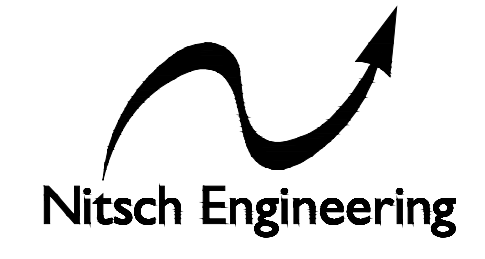


- COST ESTIMATING NOTES:**
1. ASSUME ALL ROADWAY DRAINAGE LINES ARE 10" CPP UNLESS OTHERWISE NOTED. ASSUME ALL DRAIN LINES INSTALLED WITH 3" OF COVER.
 2. ASSUME ALL STRUCTURES ARE 4' INSIDE DIAMETER, EXCEPT FOR DOUBLE CATCH BASINS AND STRUCTURES THAT ARE DIRECTLY CONNECTED TO UNDERGROUND RECHARGE/DETENTION SYSTEMS. ASSUME THOSE STRUCTURES ARE 6' INSIDE DIAMETER.
 3. PRICE UTILITIES IN THE REV.CLOUD AS AN ADDITIONAL ALTERNATE.



RODNEY FRENCH BOULEVARD (SOUTH)

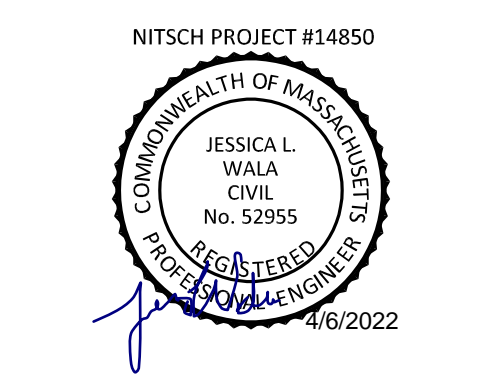
FRENCH BOULEVARD (EAST)
(VARIABLE WIDTH-PUBLIC)



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NOTICE OF INTENT PERMIT SET
4/6/2022

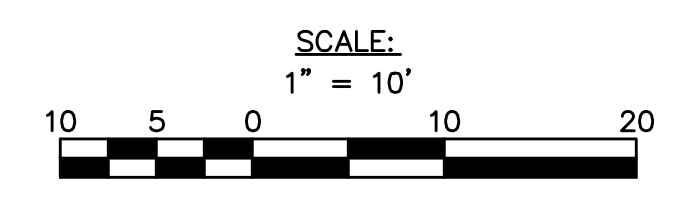
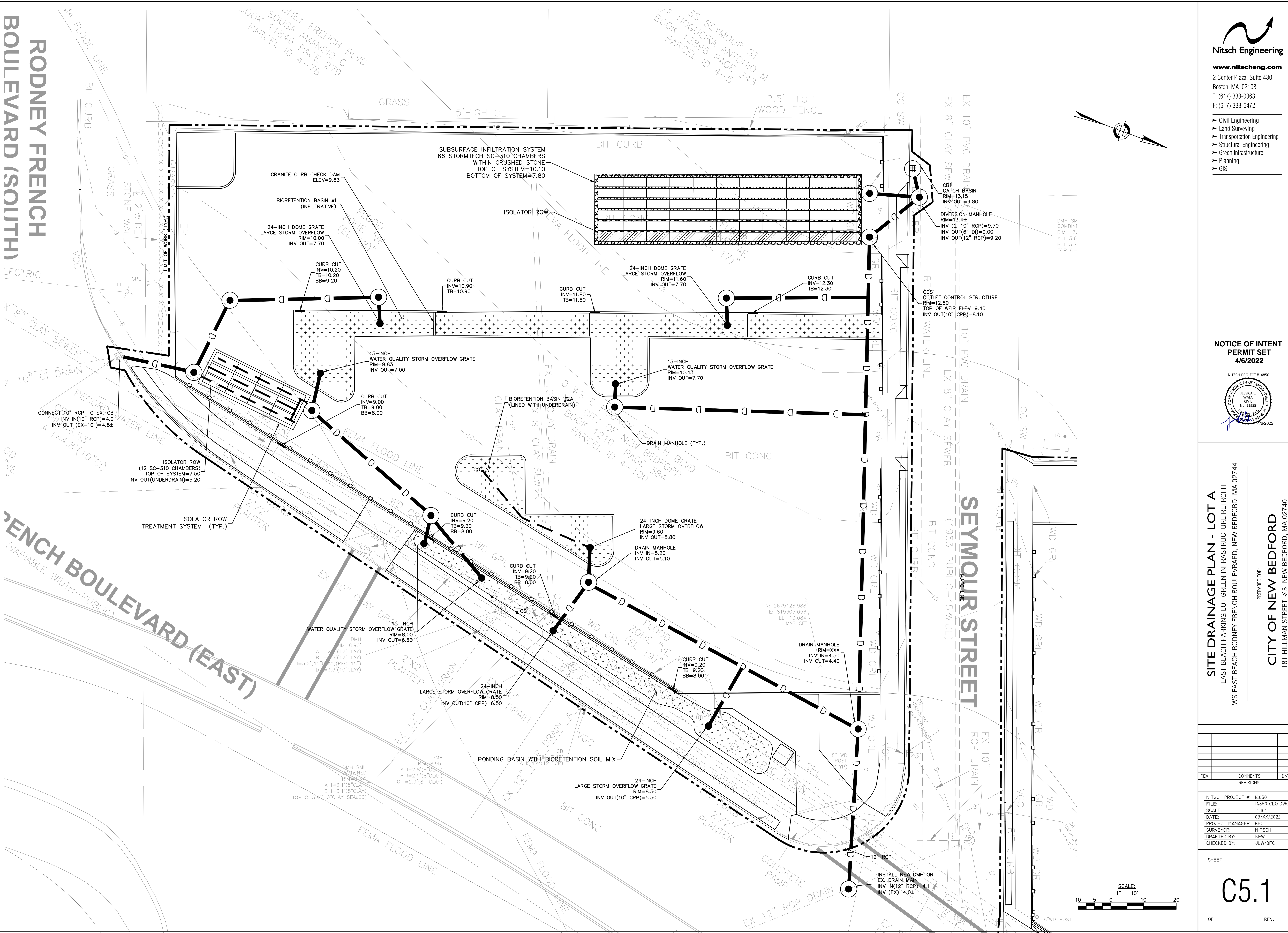


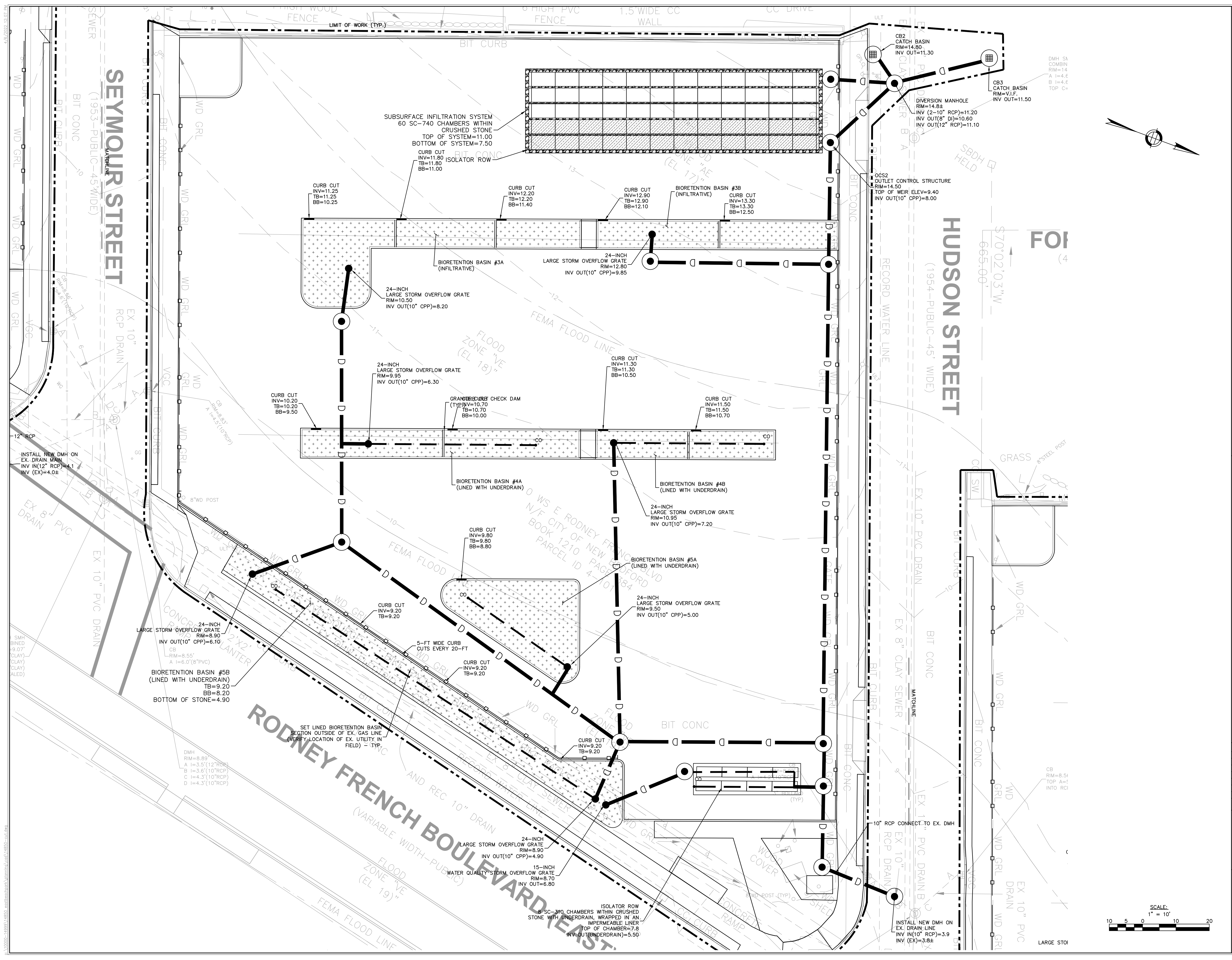
SITE DRAINAGE PLAN - LOT A
EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
PREPARED FOR:
CITY OF NEW BEDFORD
181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
FILE: 14850-CLO.DWG
SCALE: 1"=10'
DATE: 03/XX/2022
PROJECT MANAGER: BFC
SURVEYOR: NITSCH
DRAFTED BY: KEW
CHECKED BY: JLW/BFC

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NITSCH PROJECT #14850

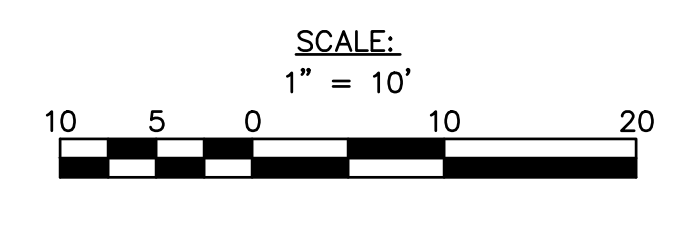
SITE DRAINAGE PLAN - LOT B
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

PREPARED FOR:
CITY OF NEW BEDFORD
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REV.	COMMENTS	DATE

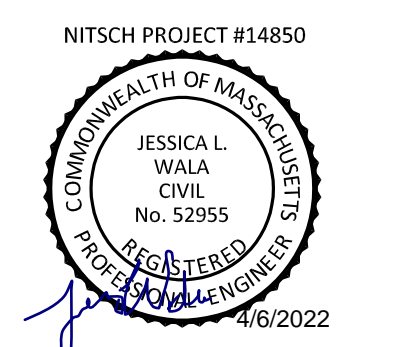
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 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

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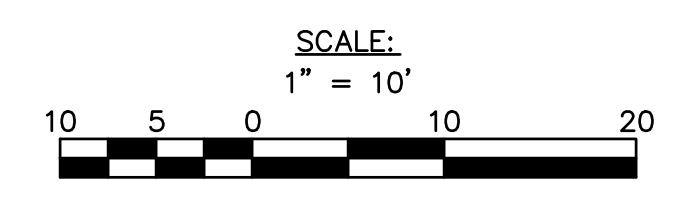
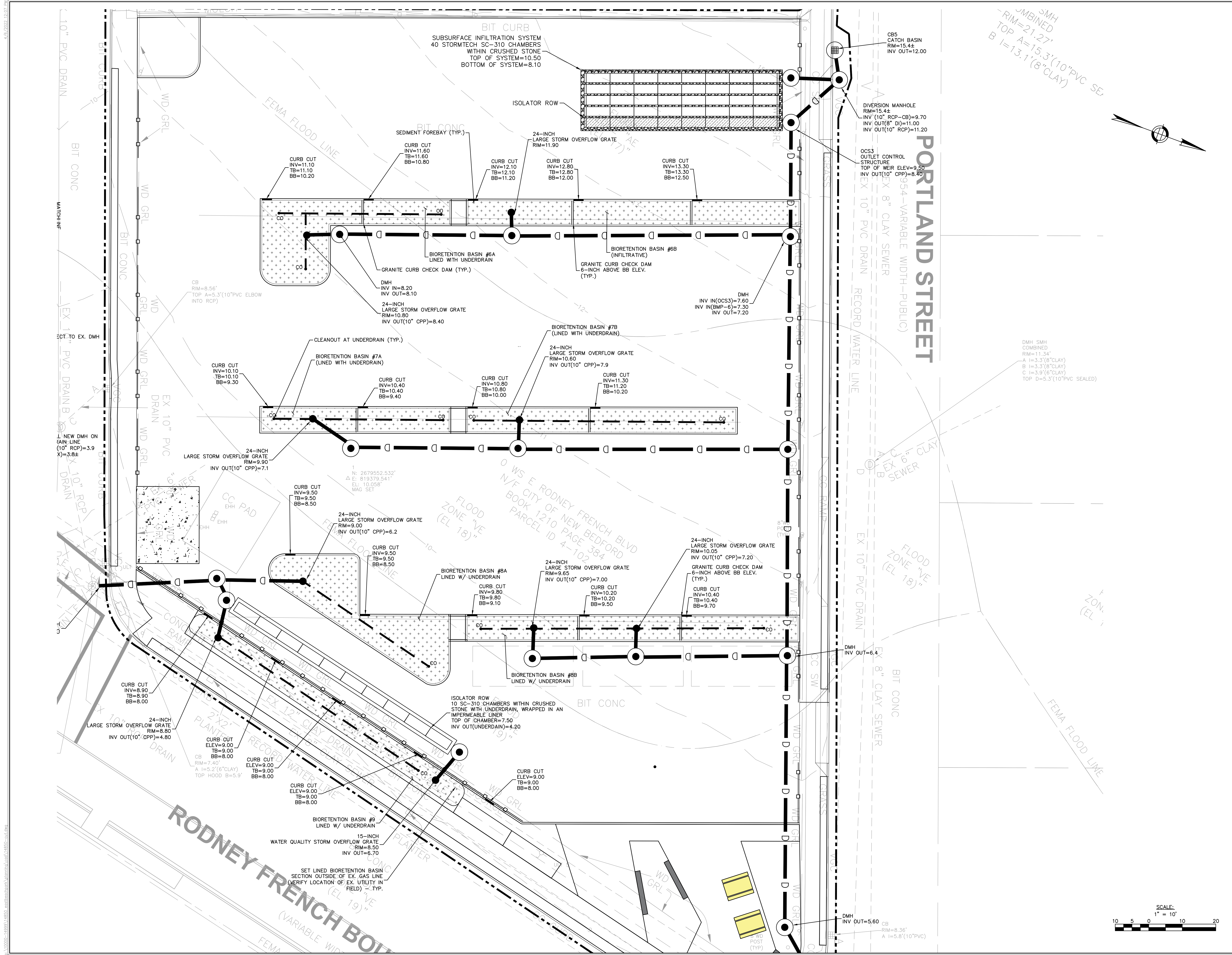


SITE DRAINAGE PLAN - LOT C
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
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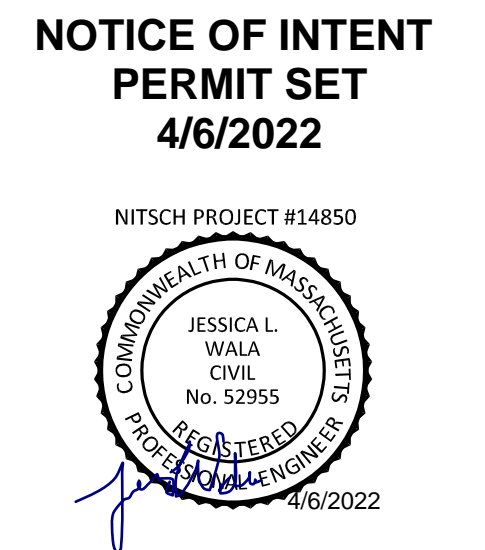
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 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
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 CHECKED BY: JLW/BFC

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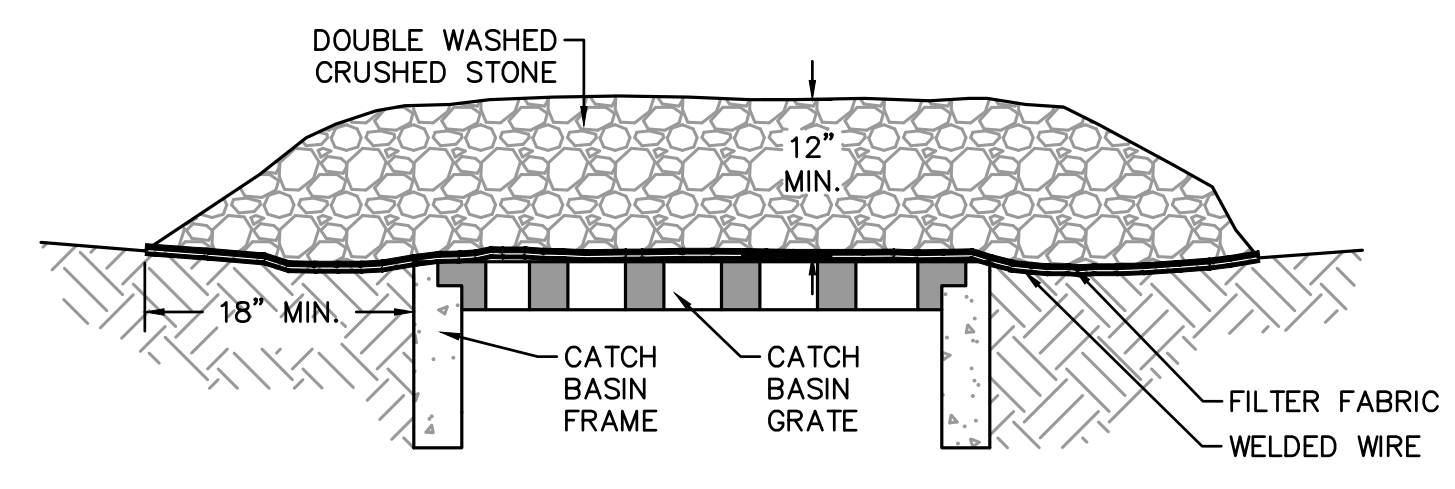
EROSION & SEDIMENT CONTROL DETAILS
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744

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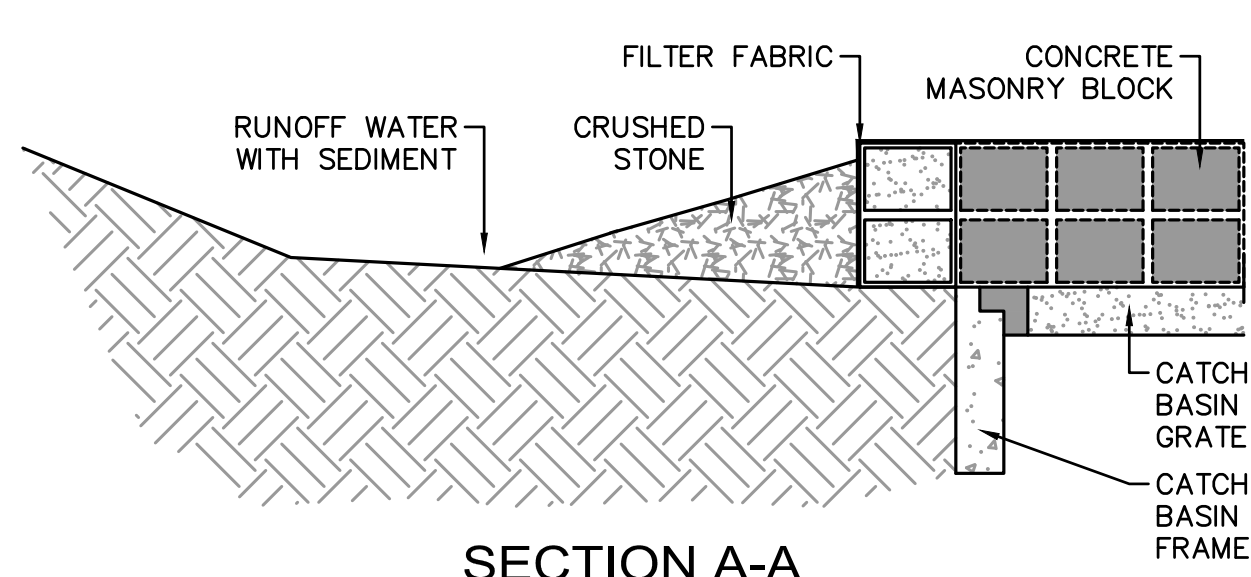
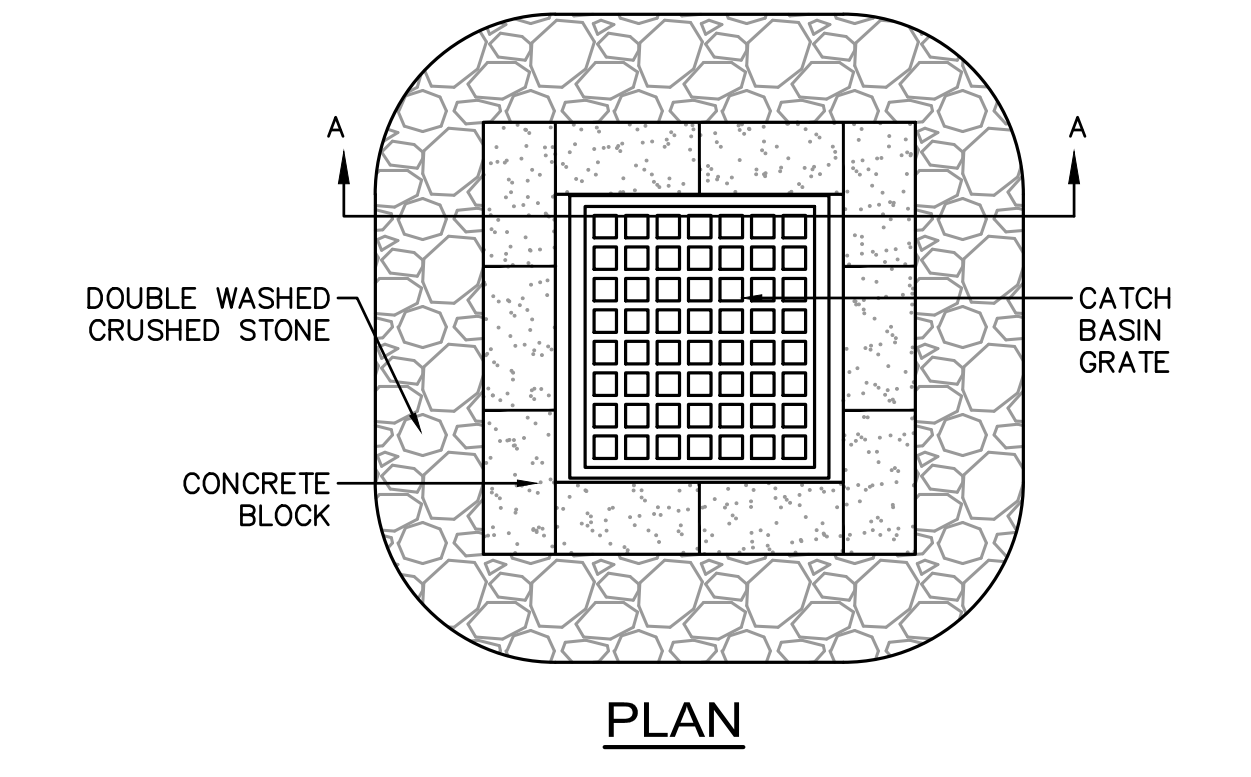
NITSCH PROJECT # 14850
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 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
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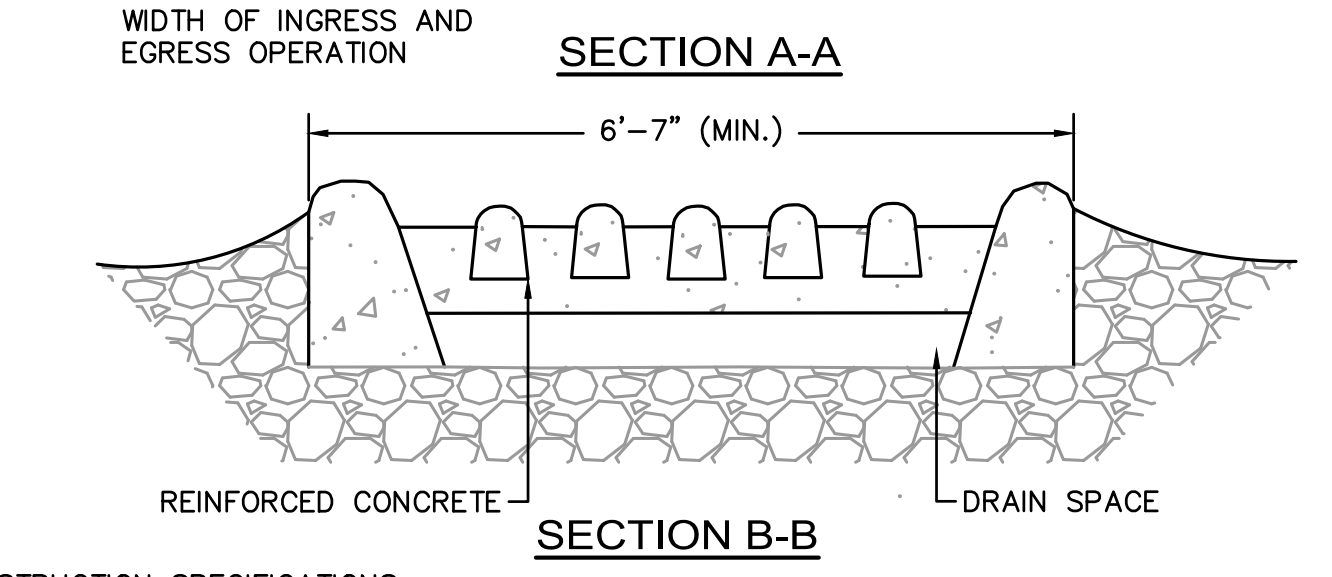
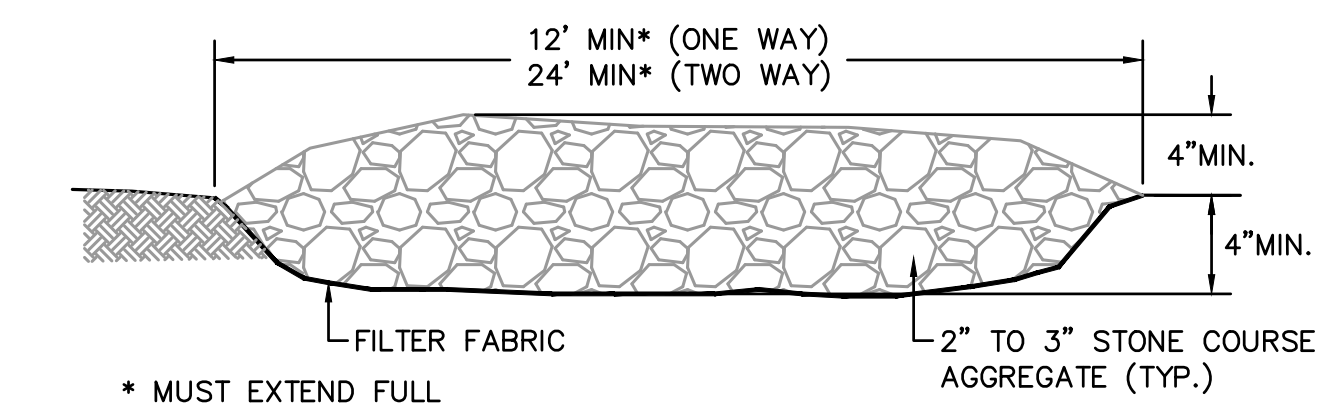
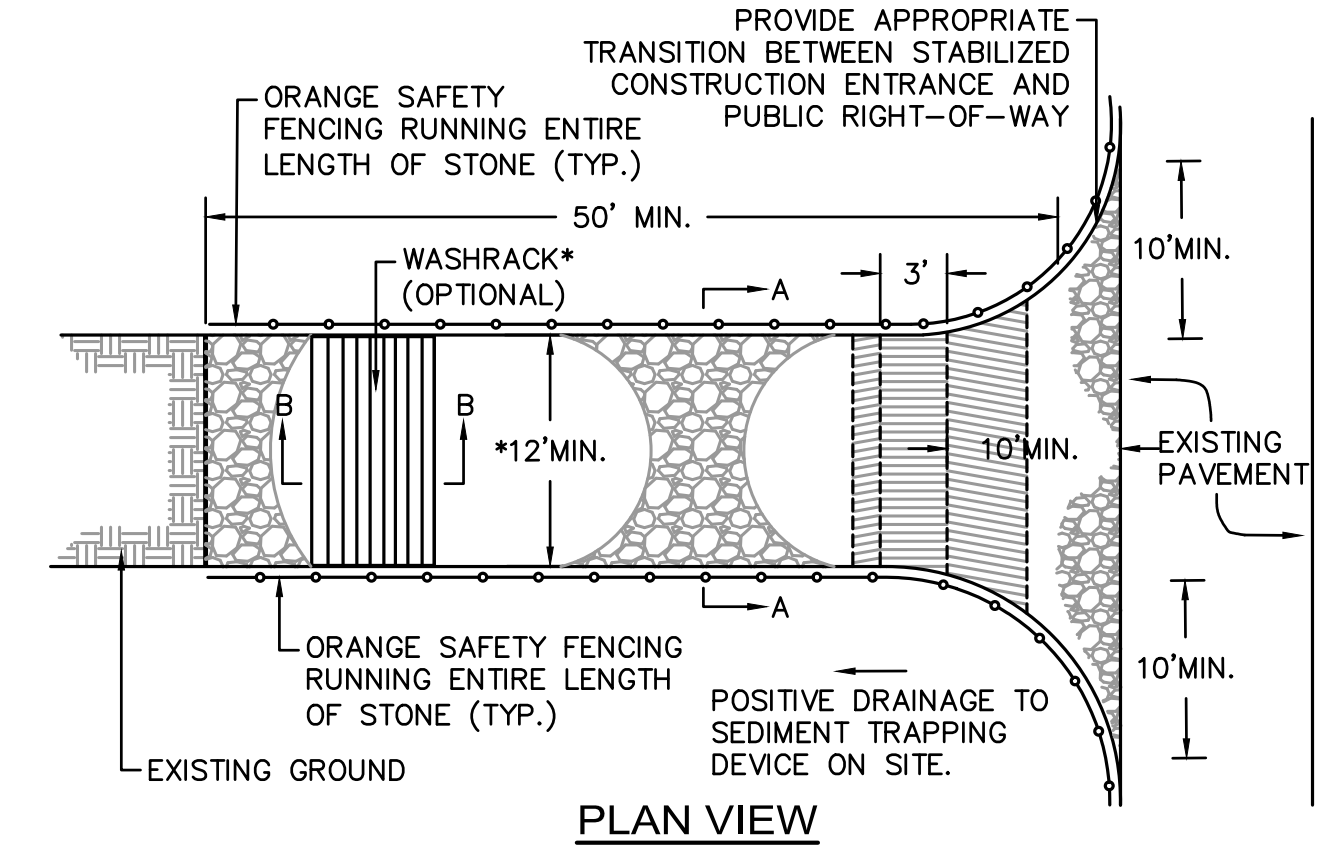
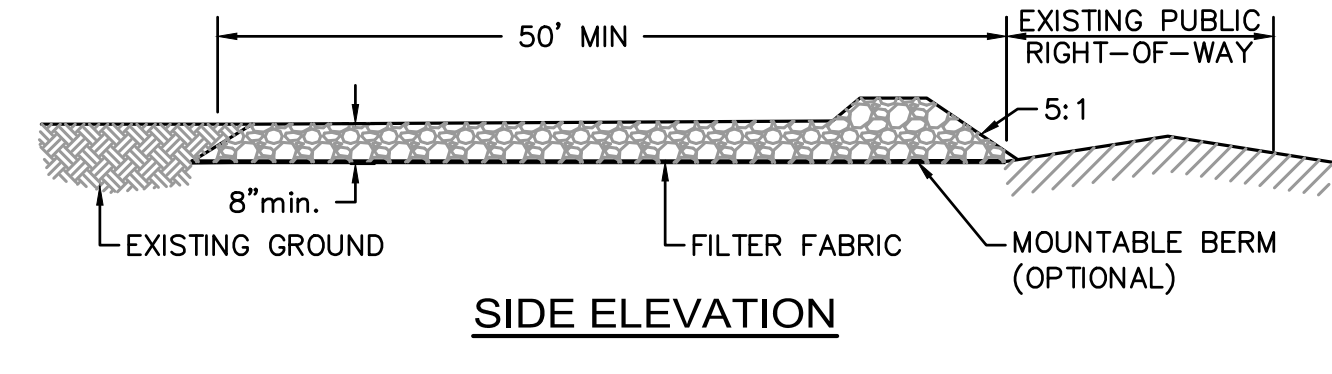
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS. THIS METHOD NOT ACCEPTABLE IN ACTIVE TRAFFIC AREAS.

**INLET PROTECTION DETAIL
 CATCH BASIN WITH GRAVEL**
 NOT TO SCALE



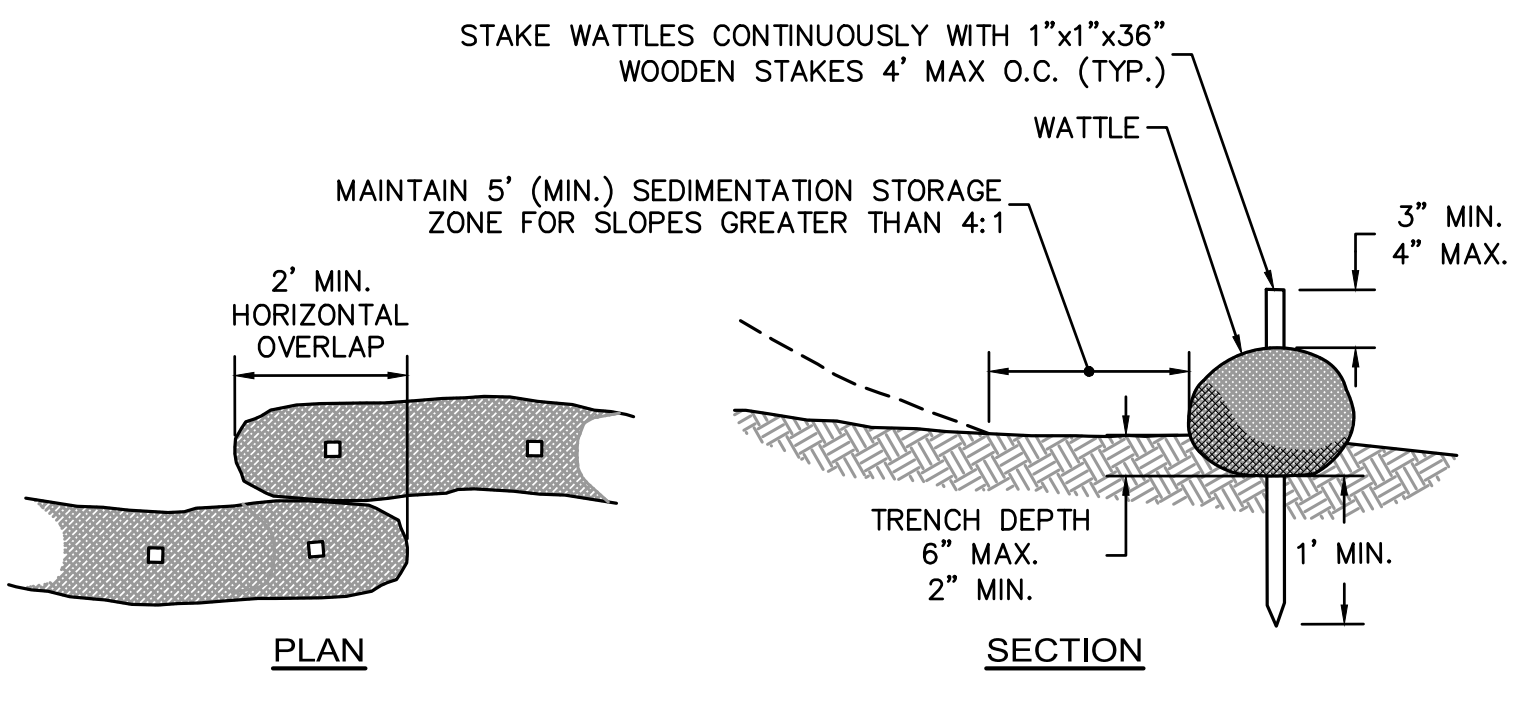
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND STRUCTURE.

**INLET PROTECTION DETAIL
 CATCH BASIN W/ BLOCK AND GRAVEL**
 NOT TO SCALE



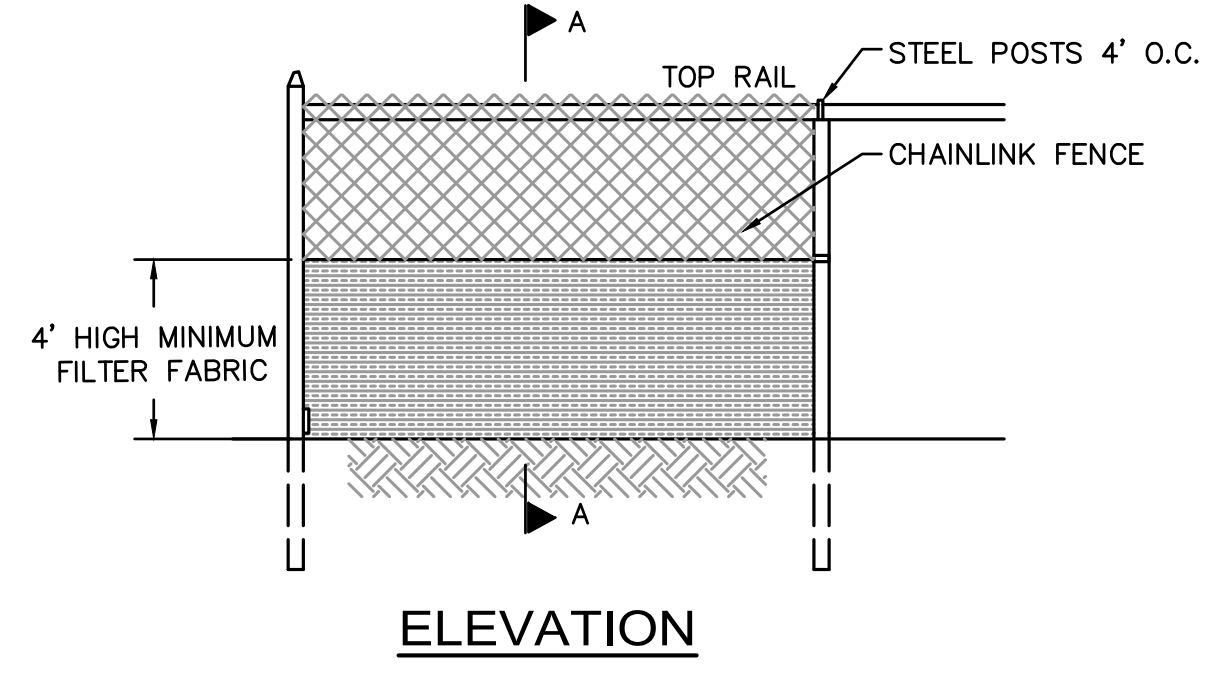
- CONSTRUCTION SPECIFICATIONS**
1. LENGTH - GREATER THAN OR EQUAL TO 50 FEET
 2. WIDTH - TWELVE FOOT MINIMUM (ONE WAY), TWENTY FOUR FOOT MINIMUM (TWO WAY), BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
 3. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM SHALL BE PERMITTED.
 4. THICKNESS - 8"
 5. MAINTENANCE - 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.
 6. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED.

STABILIZED CONSTRUCTION ENTRANCE
 NOT TO SCALE

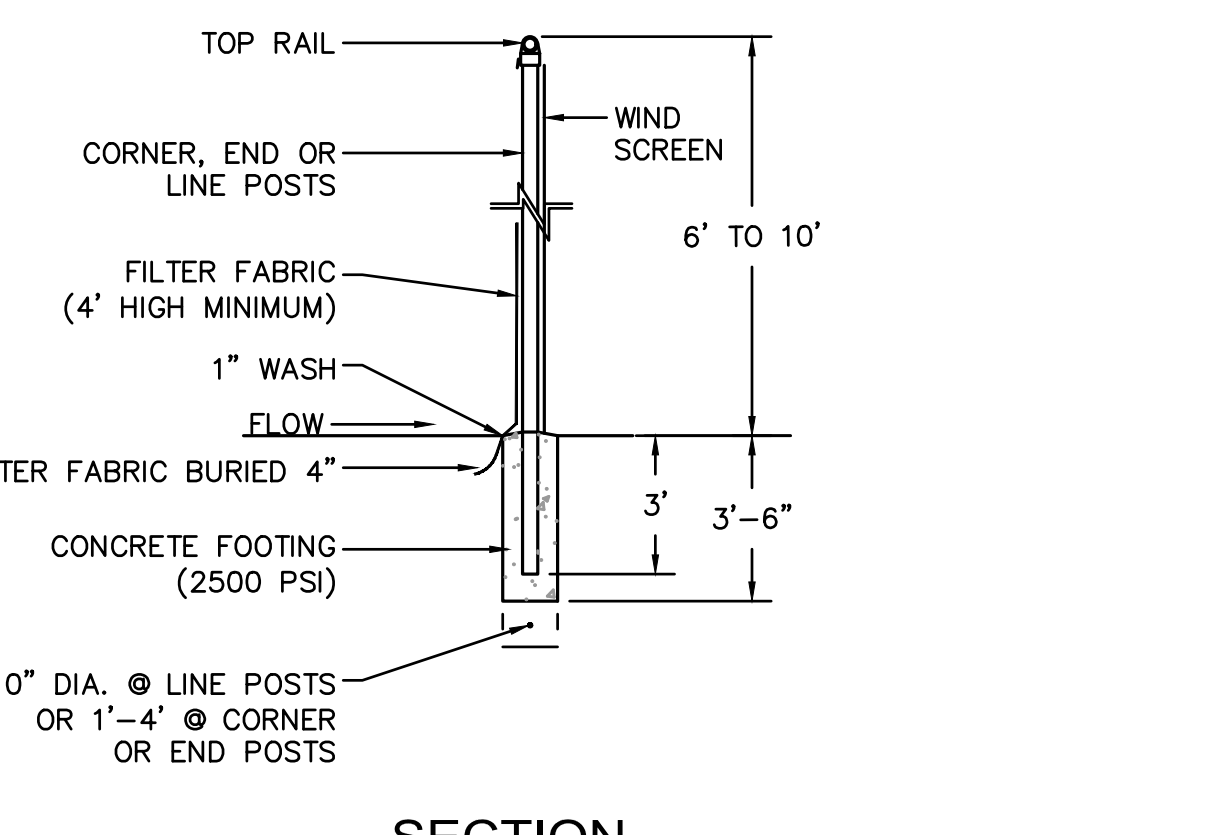


- NOTES:**
1. ACCEPTABLE TYPES OF WATTLES ARE COIR (COCONUT FIBER), COMPOST, OR STRAW.
 2. WATTLES MAY BE USED AS AN EROSION CONTROL BARRIER FOR SLOPES LESS THAN 10:1.

WATTLES DETAIL
 NOT TO SCALE



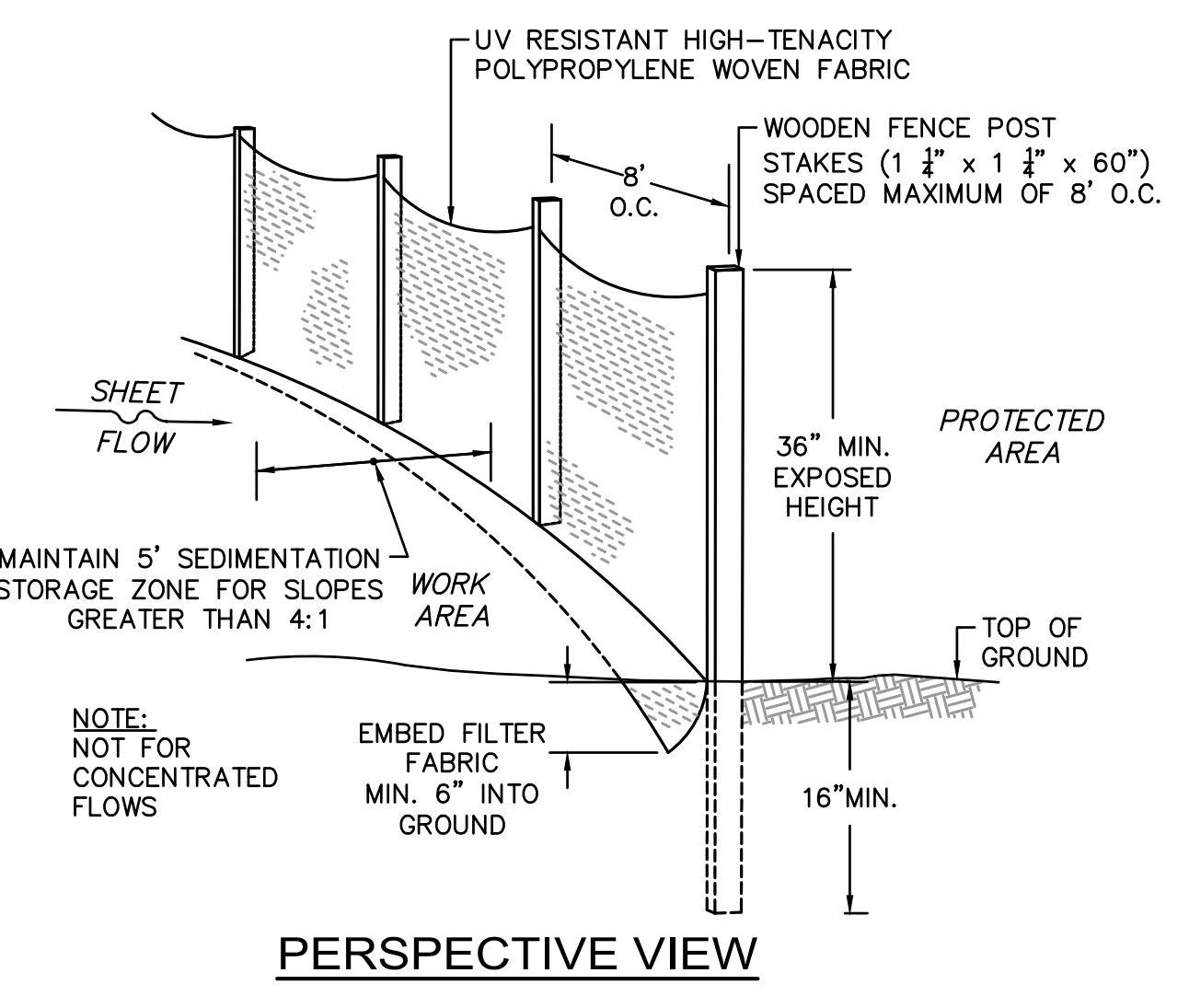
ELEVATION



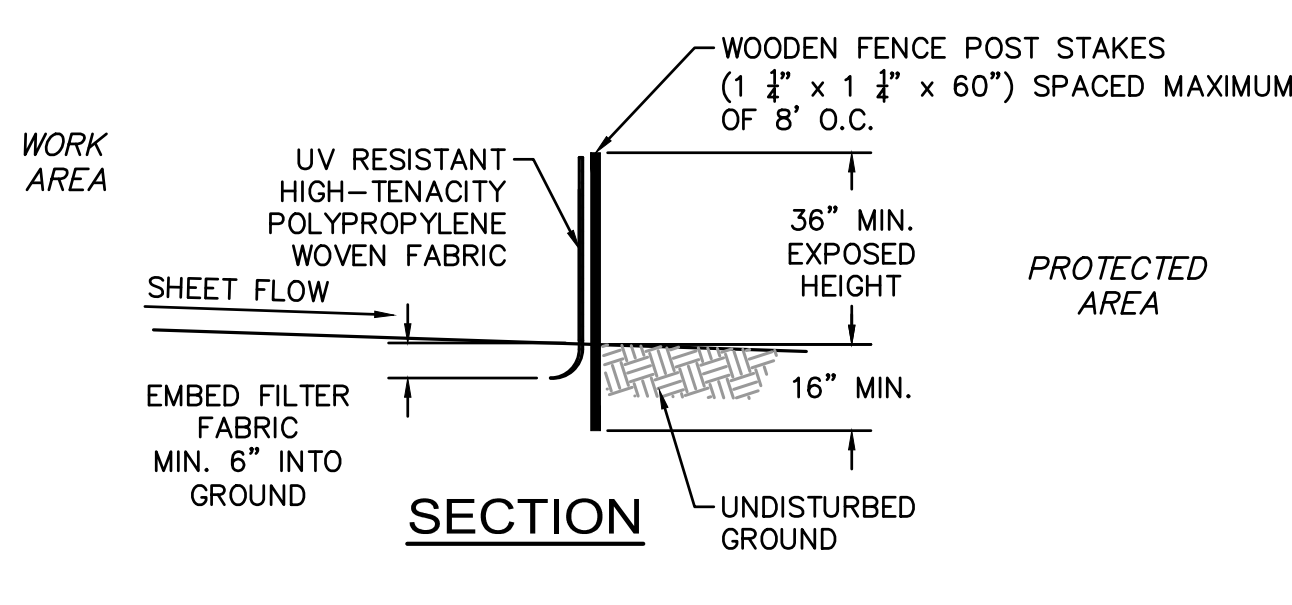
SECTION

1. CHAINLINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES.
2. FILTER FABRIC SHALL BE FASTENED SECURELY TO CHAINLINK FENCE WITH TIES SPACED HORIZONTALLY 24" AS THE TOP AND MIDSECTION.
3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6"
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL SHALL BE REMOVED WHEN SEDIMENT BUILD-UP REACHES 50% OF THE HEIGHT OF THE FILTER FABRIC.
5. MAINTENANCE OF SILT FENCE SHALL BE RECORDED TO IN THE SWPPP

**EROSION CONTROL BARRIER (D)
 SUPER SILT FENCE**
 NOT TO SCALE

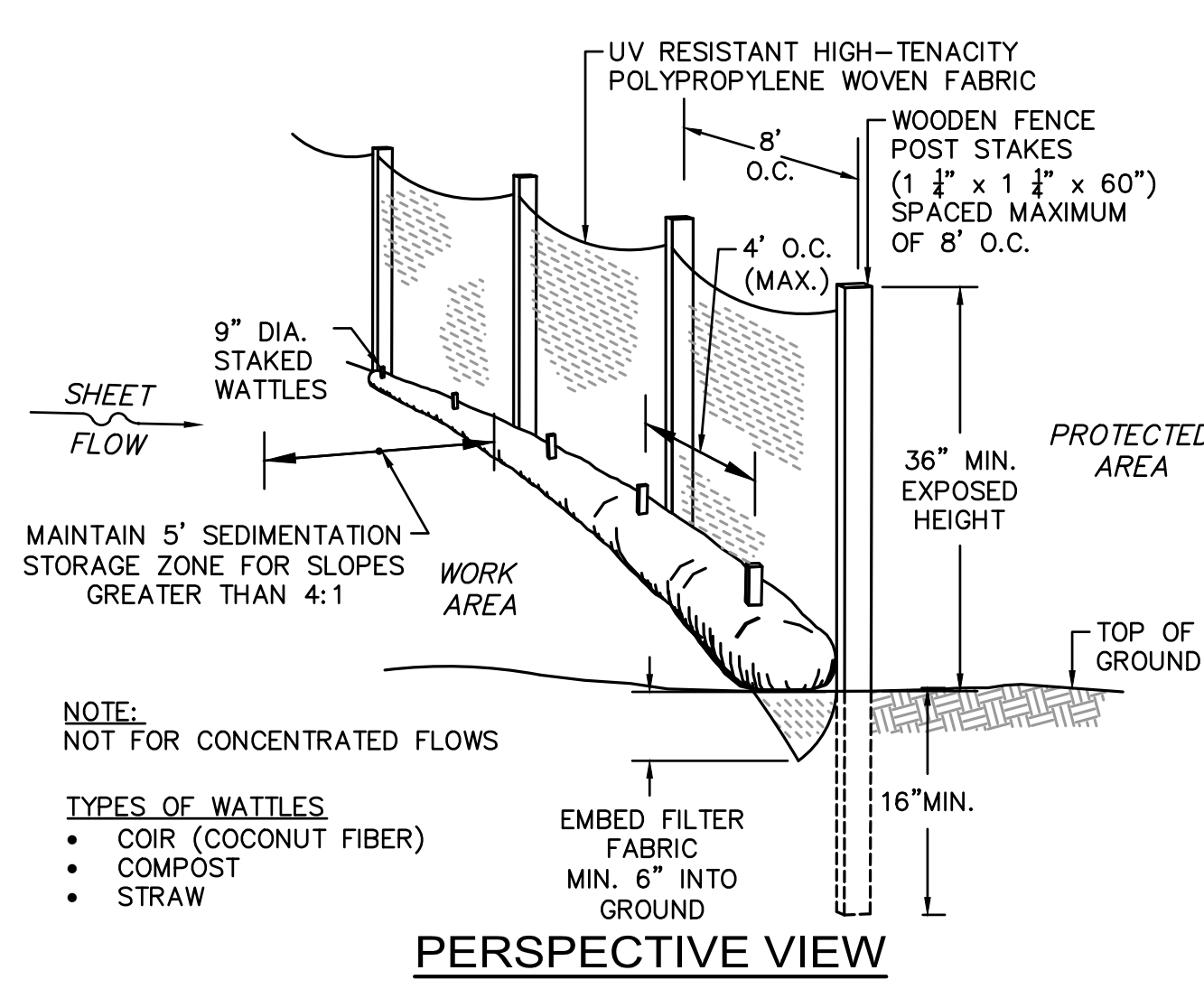


PERSPECTIVE VIEW

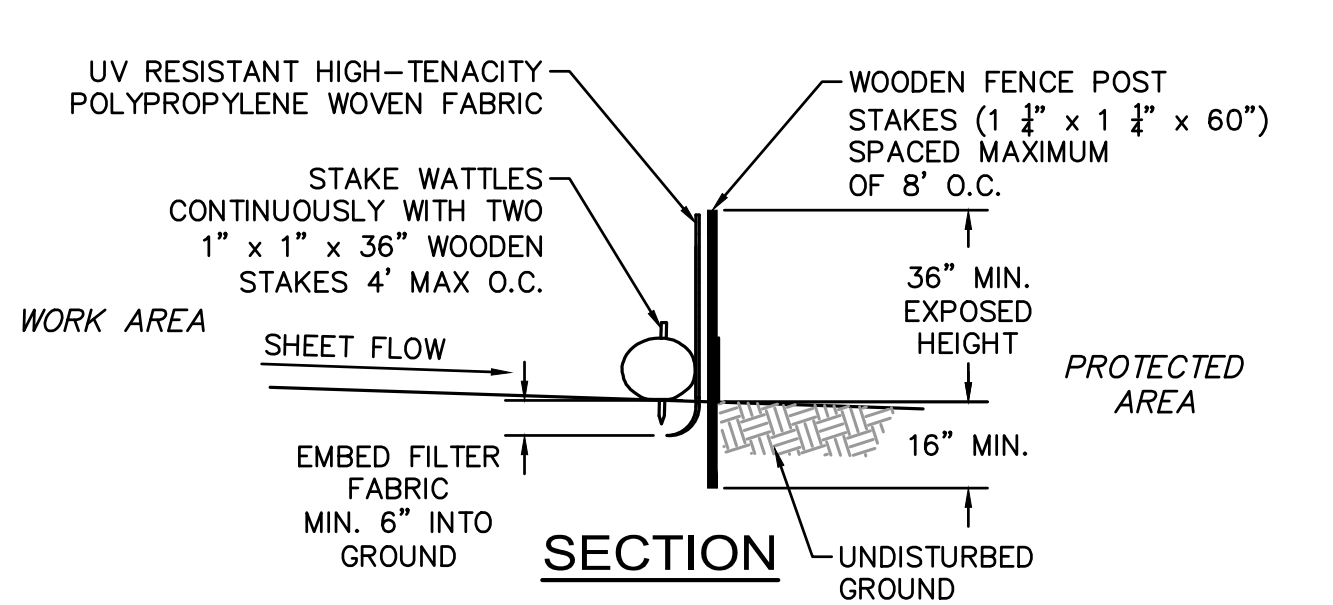


SECTION

PERIMETER PROTECTION BARRIER (A)

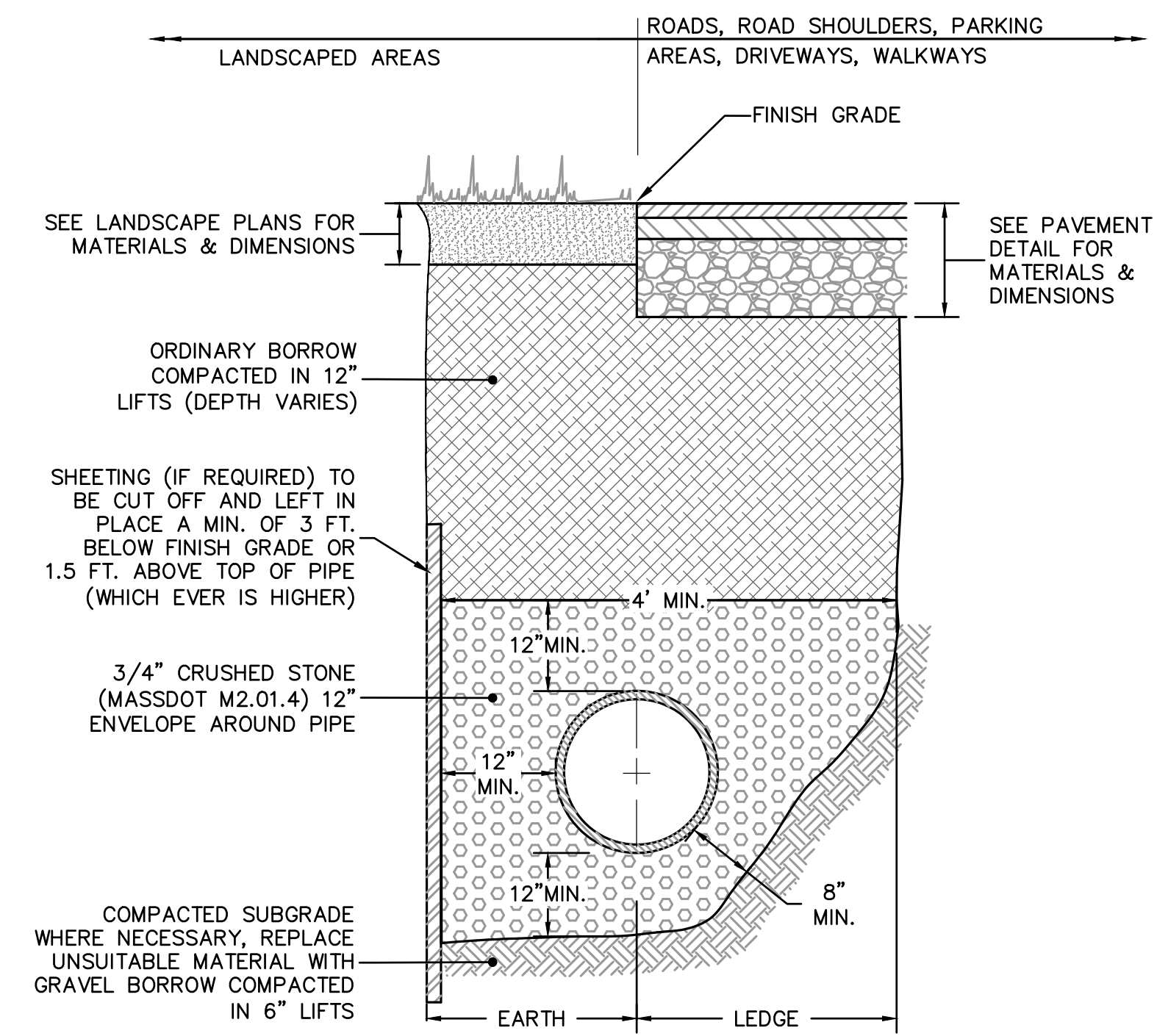


PERSPECTIVE VIEW

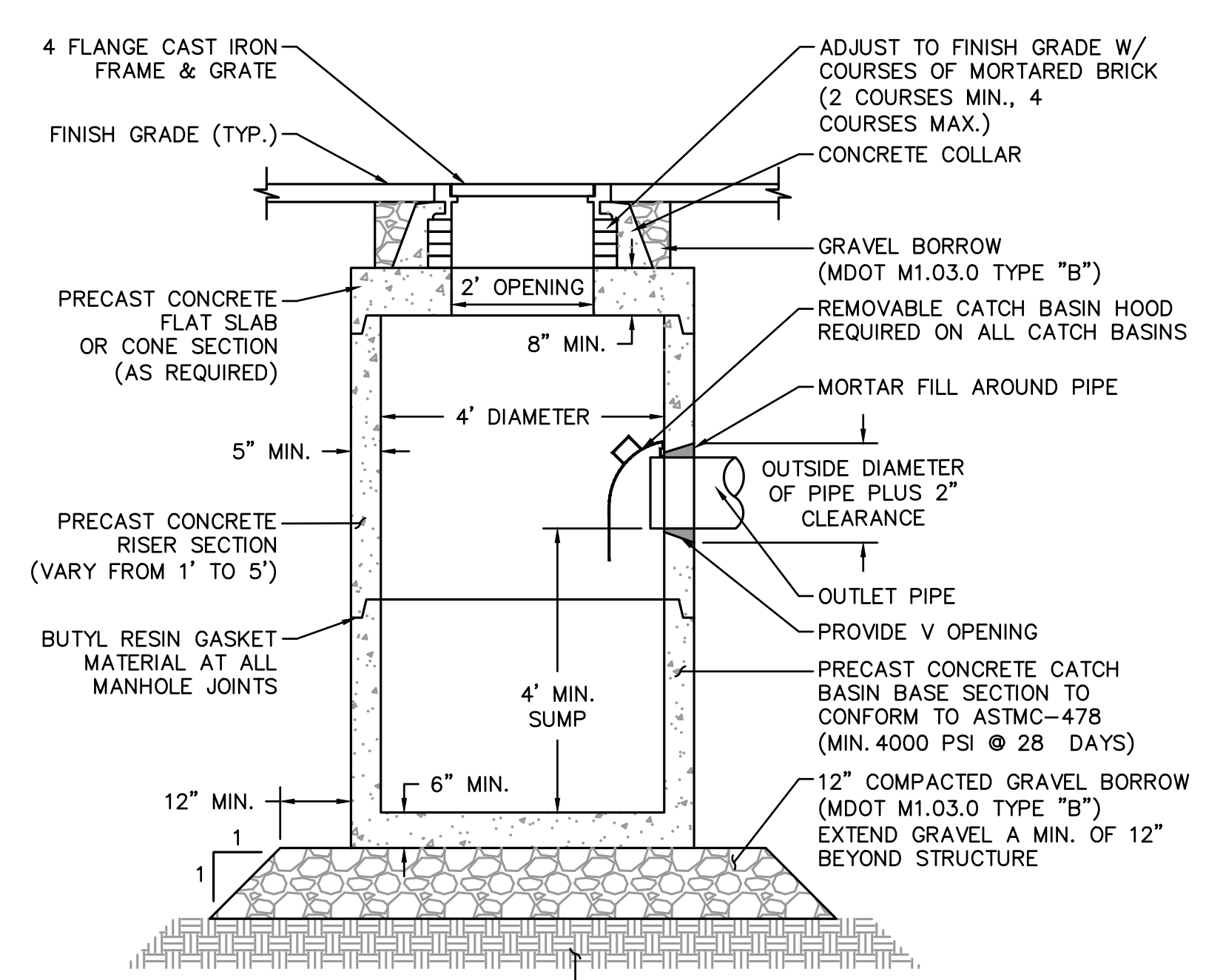


SECTION

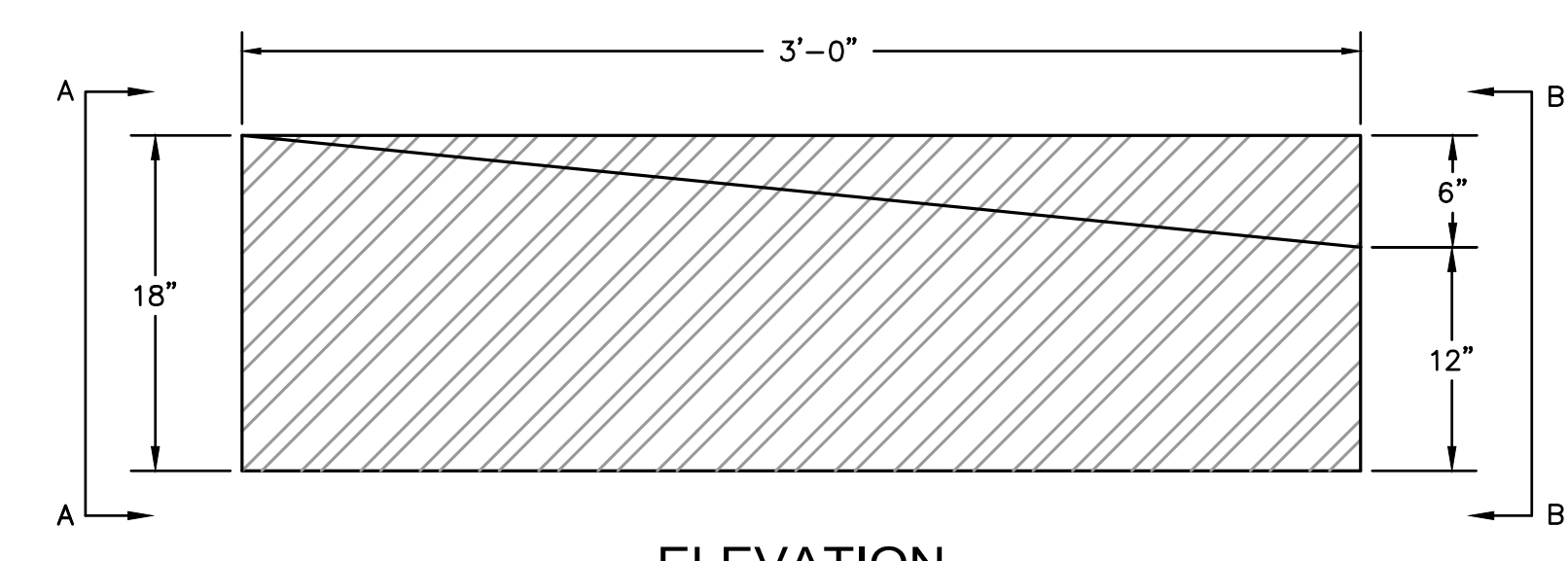
**PERIMETER PROTECTION BARRIER (B)
 SILT FENCE DETAIL WITH WATTLES**
 NOT TO SCALE



STANDARD TRENCH DETAIL FOR DRAIN AND SEWER PIPE
 NOT TO SCALE



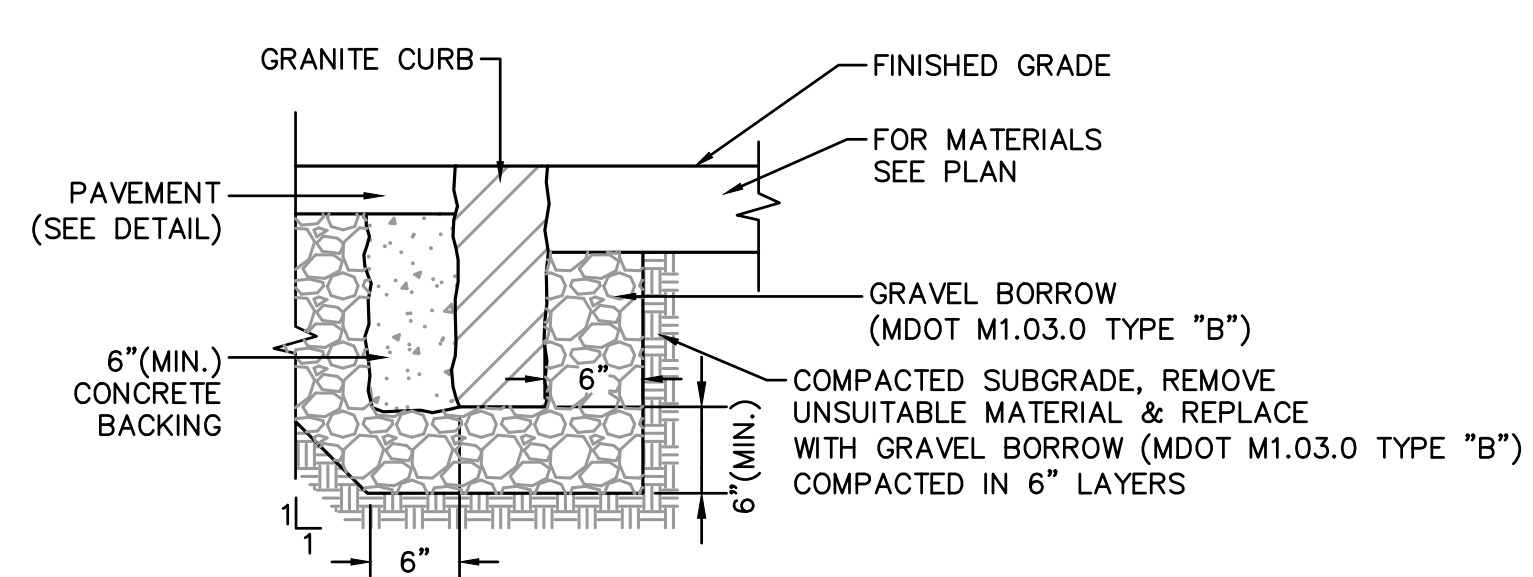
TYPICAL CATCH BASIN DETAIL
 NOT TO SCALE



ELEVATION

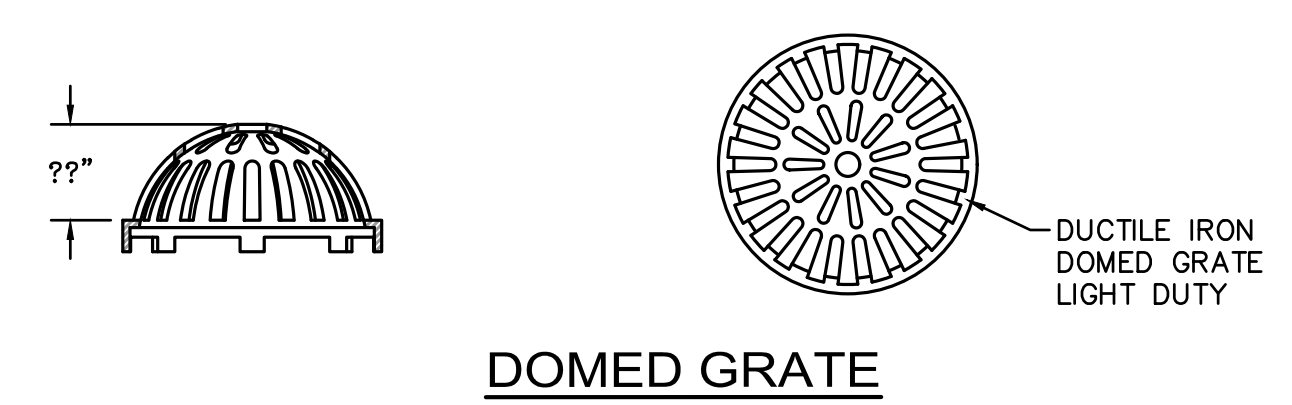
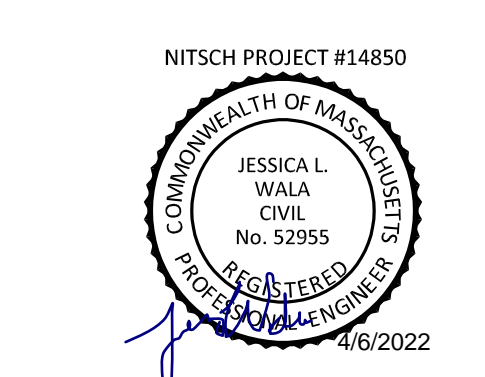


GRANITE TRANSITION CURB DETAIL VERTICAL TO SLOPE
 NOT TO SCALE
 A DERIVATIVE OF MDOT 106.4.0

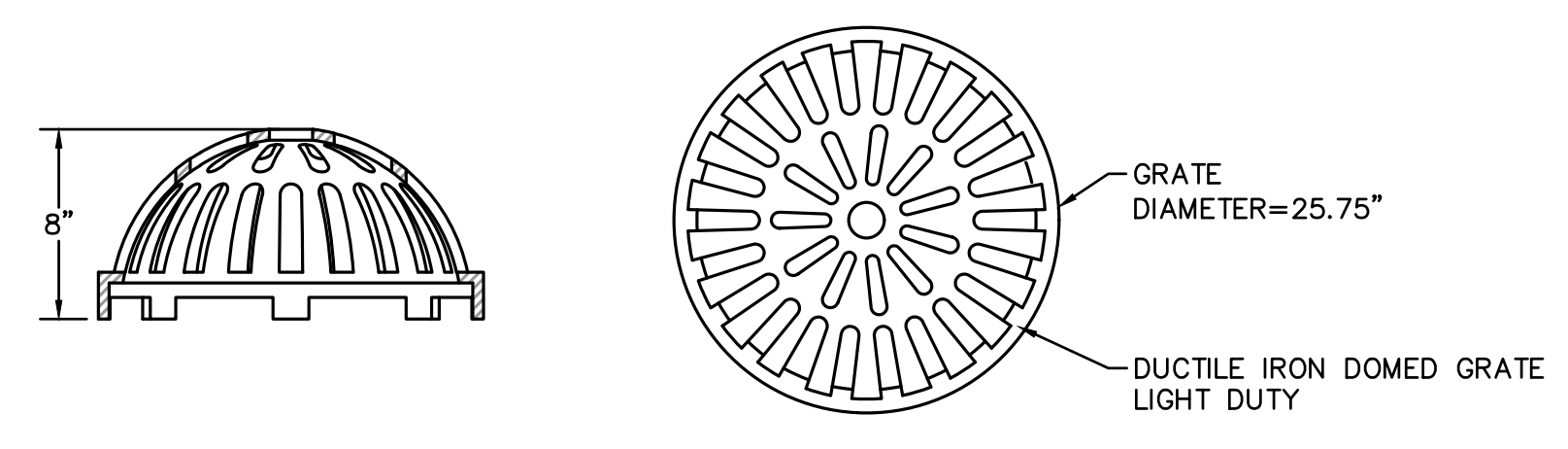


FLUSH GRANITE CURB SETTING DETAIL
 NOT TO SCALE

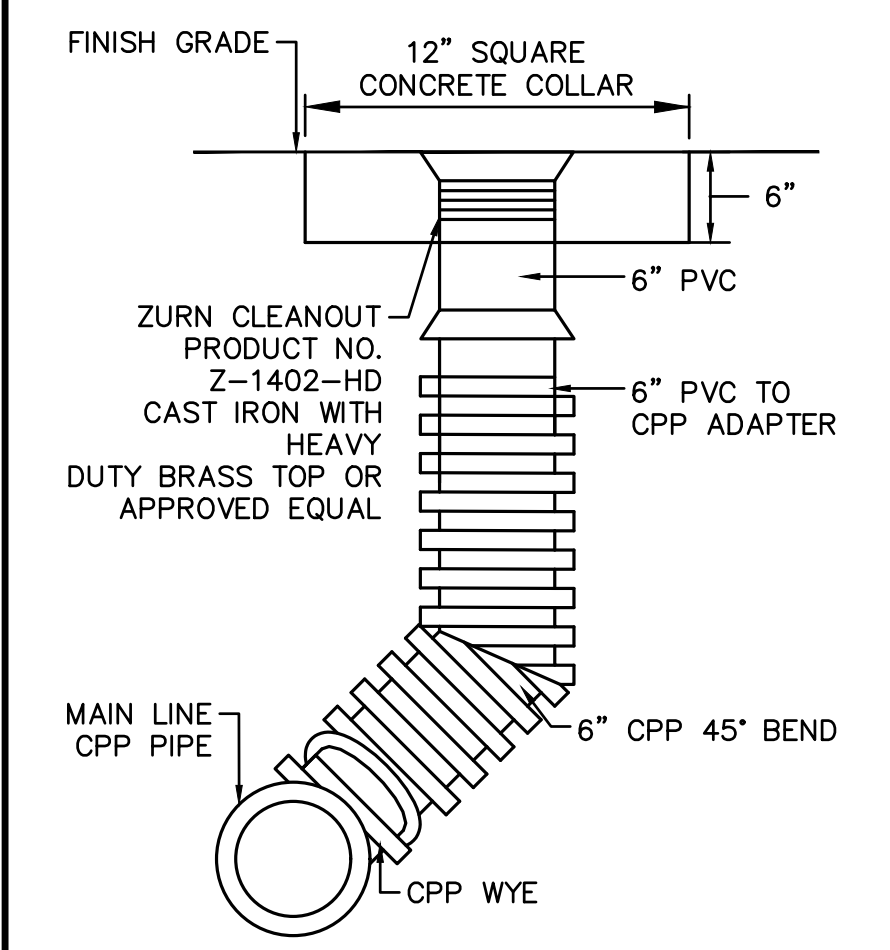
NOTICE OF INTENT PERMIT SET 4/6/2022



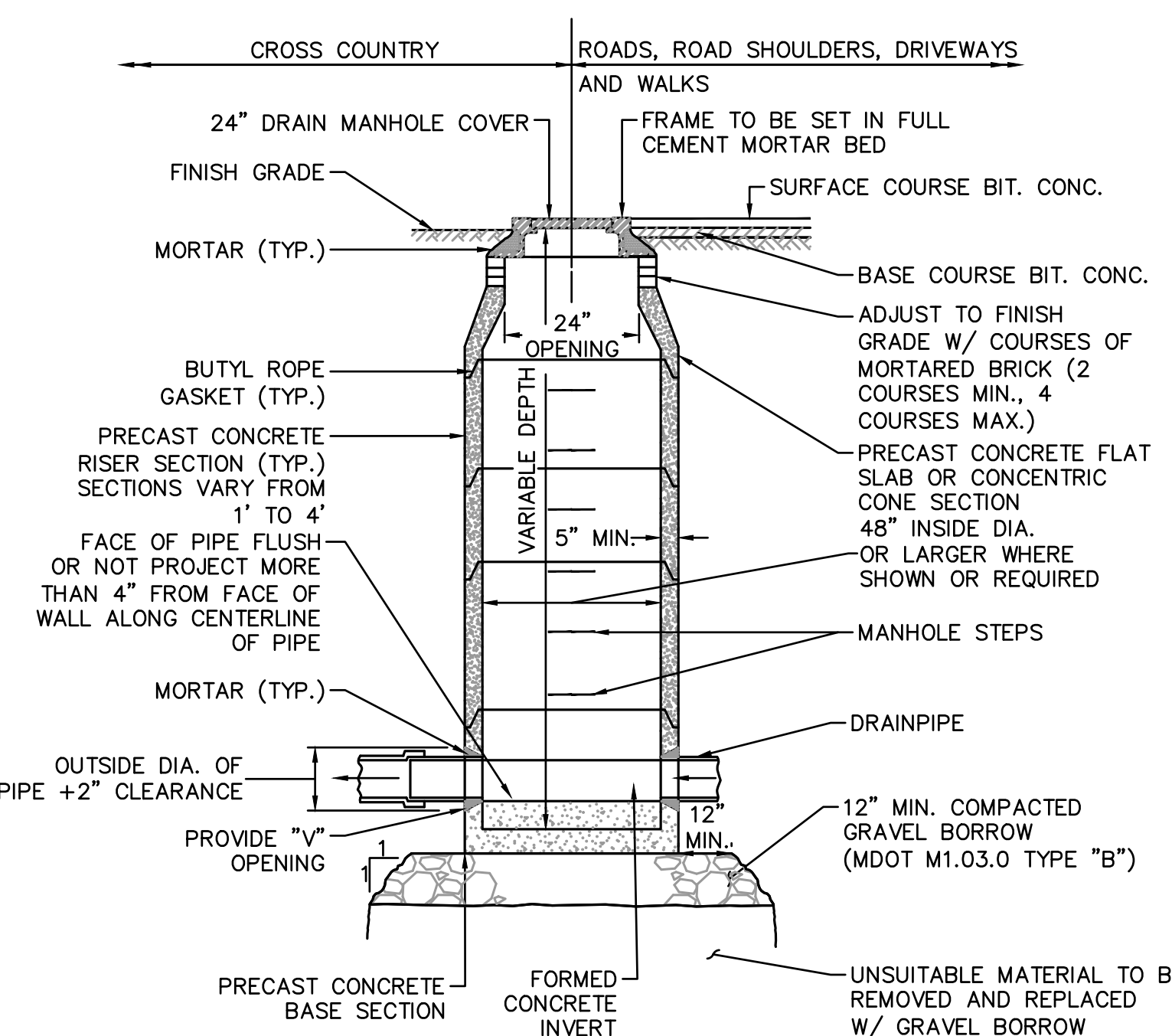
DOMED GRATE



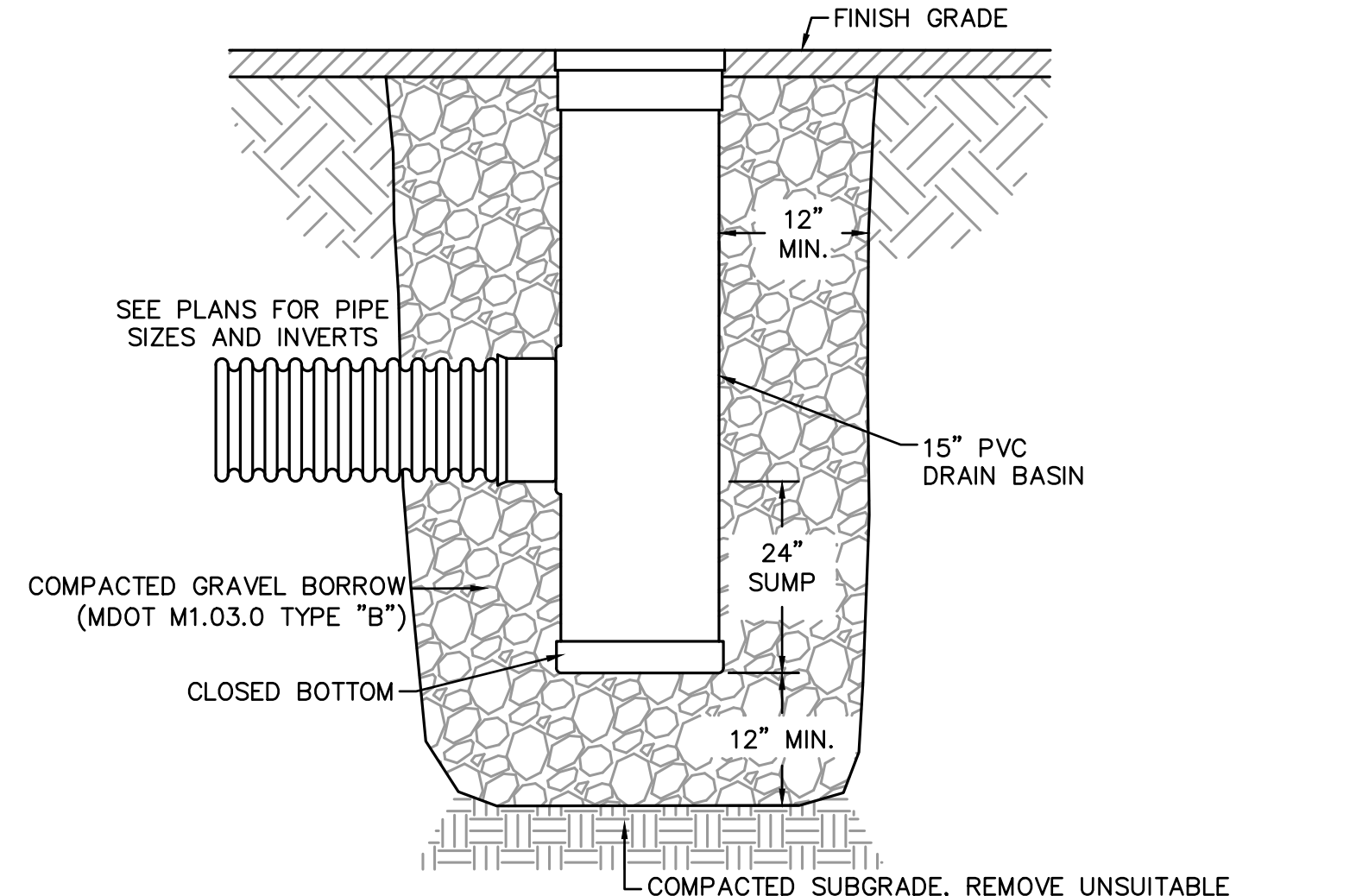
DOMED GRATE



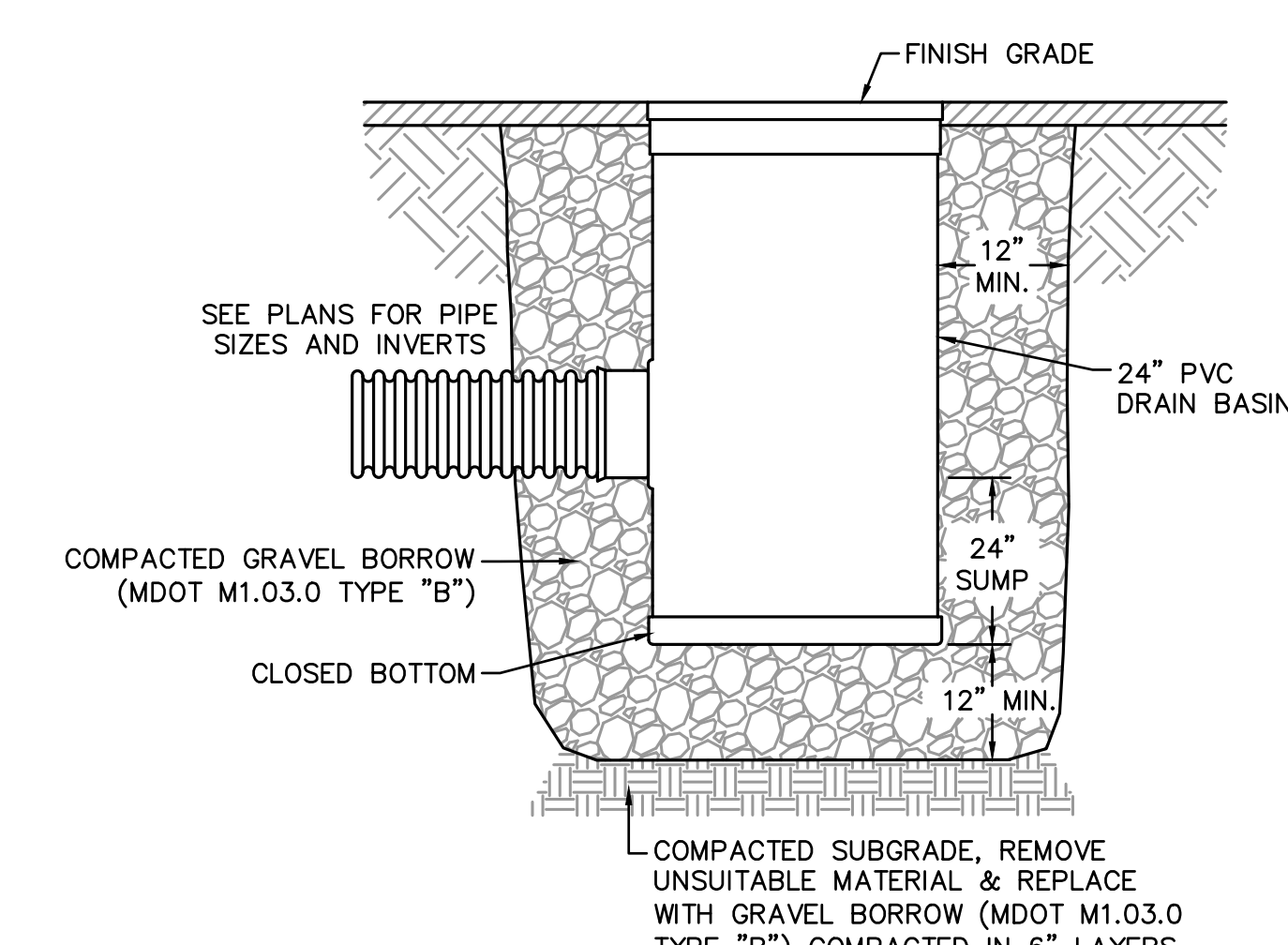
TYPICAL CLEANOUT DETAIL
 NOT TO SCALE



TYPICAL DRAIN MANHOLE DETAIL
 NOT TO SCALE



15" AREA DRAIN DETAIL
 NOT TO SCALE



24" AREA DRAIN DETAIL
 NOT TO SCALE

NOTES:
 1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 18" AREA DRAINS SHALL BE NYLOPLAST MODEL 2812 AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
 3. AREA DRAINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO AREA DRAINS.

NOTES:
 1. FRAME AND GRATE SHALL BE DUCTILE IRON CONFORMING TO ASTM A536 GRADE 70-50-05.
 2. 24" AREA DRAINS SHALL BE NYLOPLAST MODEL 2824 AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS, INC., OR APPROVED EQUAL.
 3. AREA DRAINS SHALL BE CUSTOM MANUFACTURED ACCORDING TO THE PLANS AND DETAIL.
 4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.
 5. SEE PLANS FOR LAYOUT AND ELEVATIONS OF DRAIN PIPES TO AREA DRAINS.

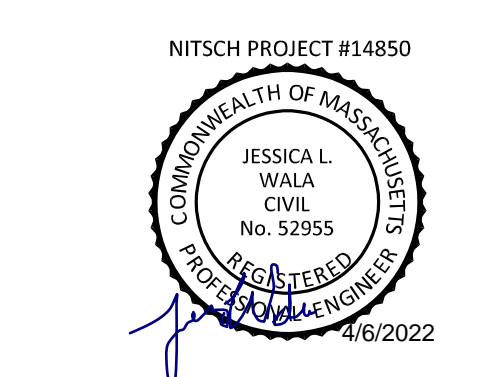
CIVIL DETAILS
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
 PREPARED FOR:
CITY OF NEW BEDFORD
 181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

REV.	COMMENTS	DATE

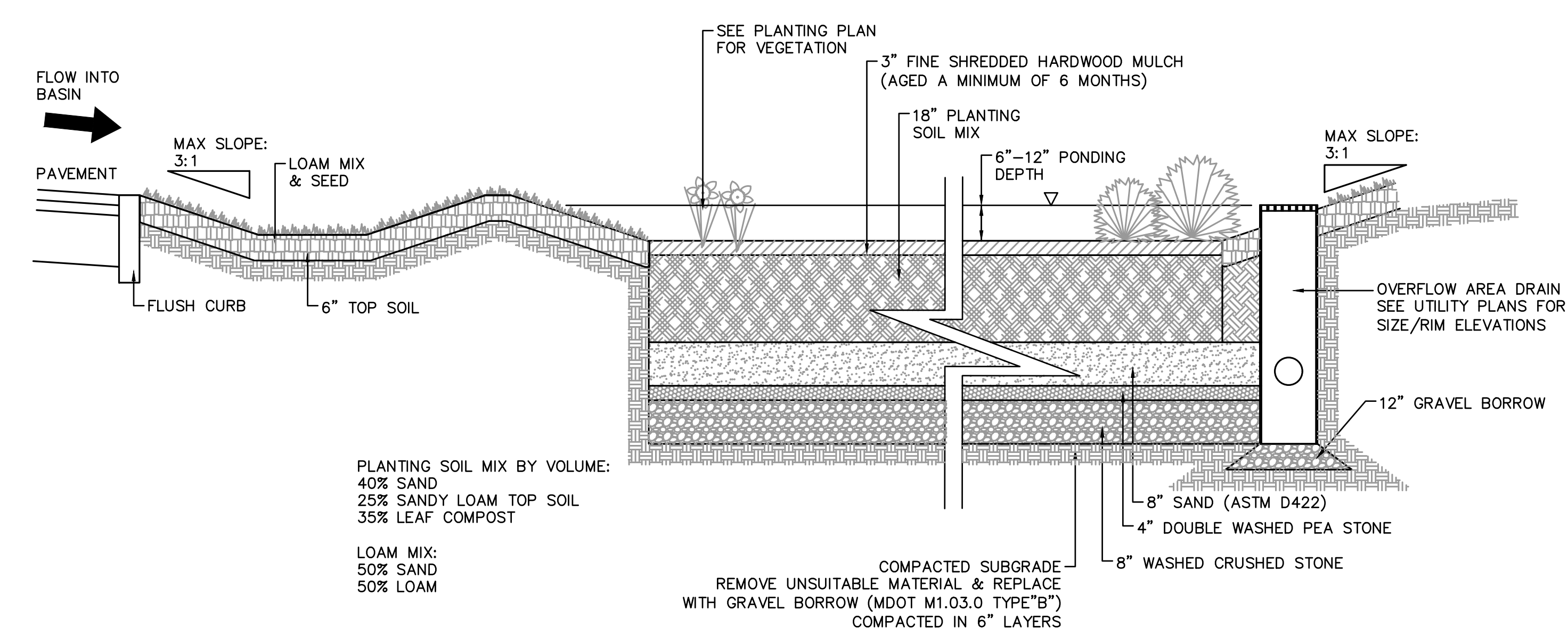
SHEET:
C6.1
 OF REV.

- Civil Engineering
- Land Surveying
- Transportation Engineering
- Structural Engineering
- Green Infrastructure
- Planning
- GIS

**NOTICE OF INTENT
 PERMIT SET
 4/6/2022**



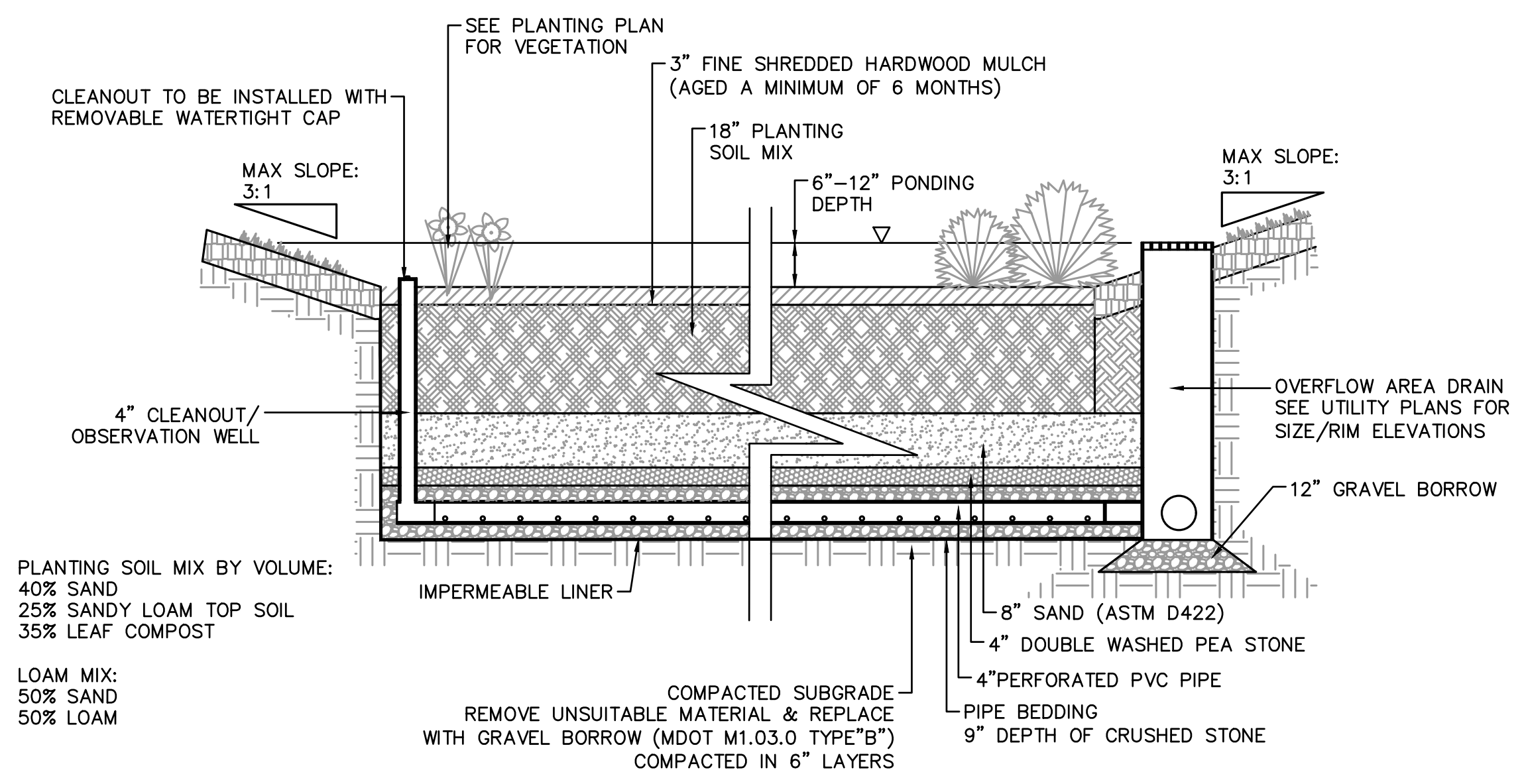
SITE DETAILS SHEET II
 EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
 WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
 PREPARED FOR:
CITY OF NEW BEDFORD
 181 HILLMAN STREET #3, NEW BEDFORD, MA 02740



PLANTING SOIL MIX BY VOLUME:
 40% SAND
 25% SANDY LOAM TOP SOIL
 35% LEAF COMPOST

LOAM MIX:
 50% SAND
 50% LOAM

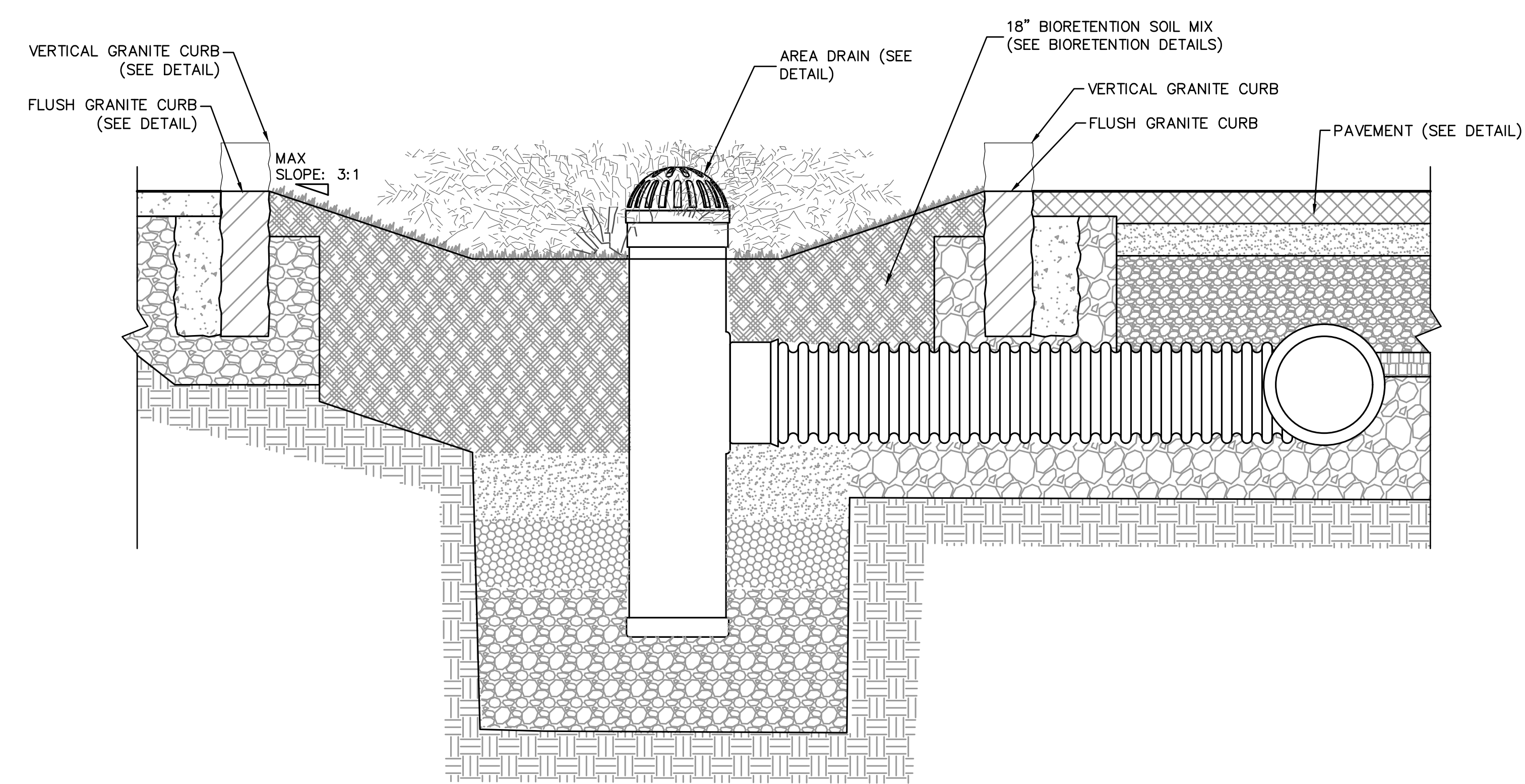
INFILTRATIVE BIORETENTION BASIN
 NOT TO SCALE



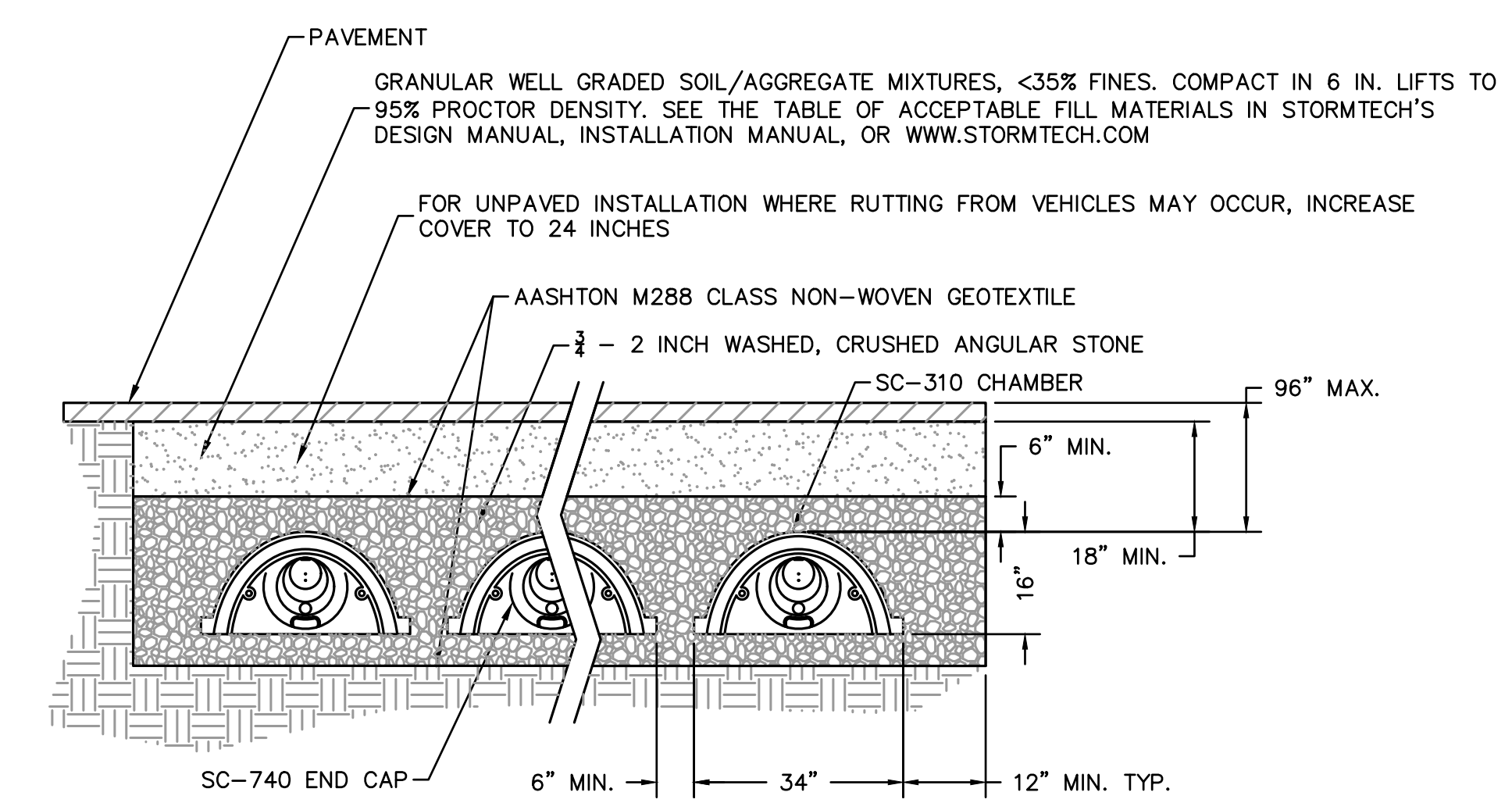
PLANTING SOIL MIX BY VOLUME:
 40% SAND
 25% SANDY LOAM TOP SOIL
 35% LEAF COMPOST

LOAM MIX:
 50% SAND
 50% LOAM

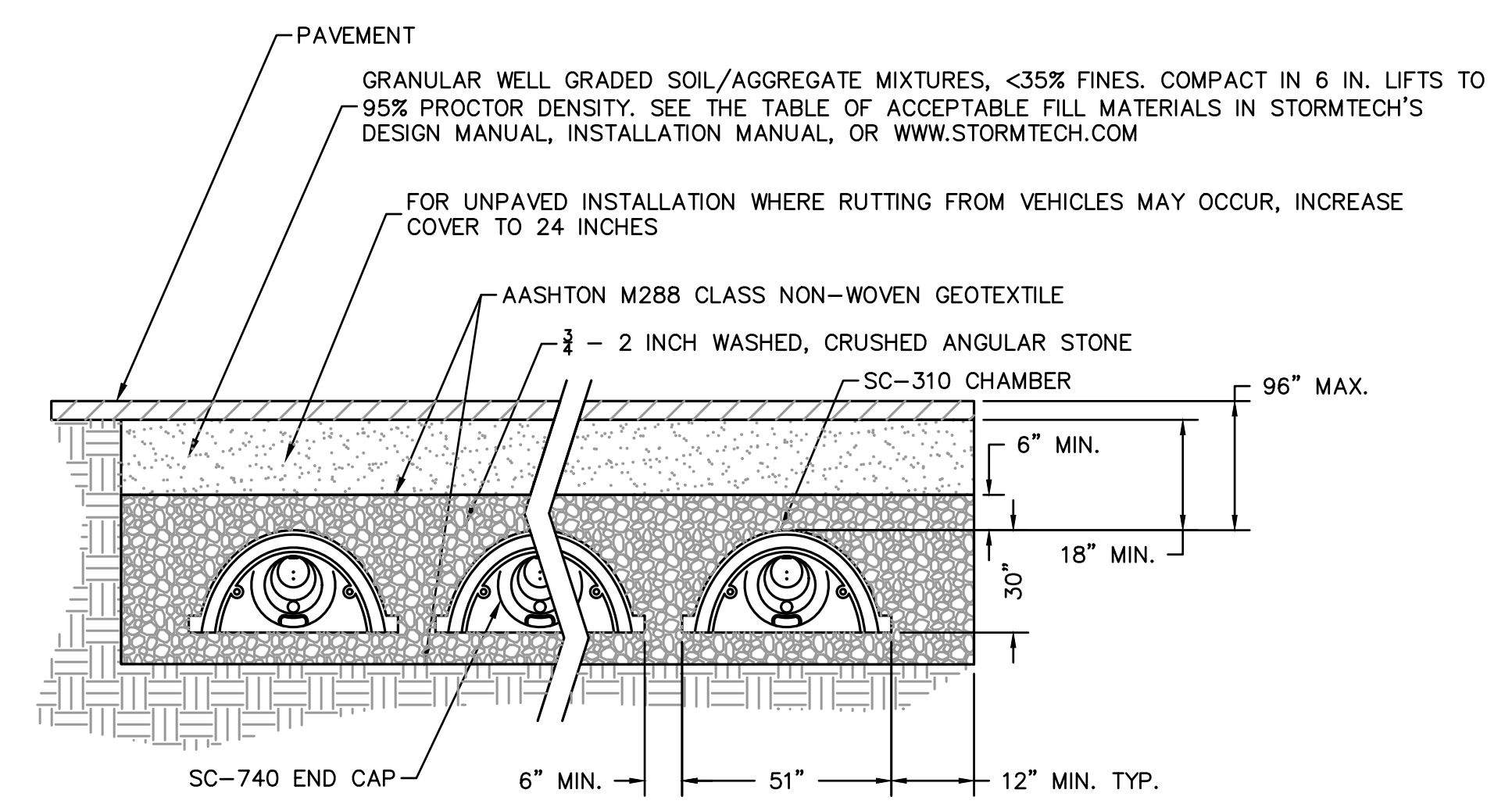
LINED BIORETENTION BASIN W/ UNDERDRAIN
 NOT TO SCALE



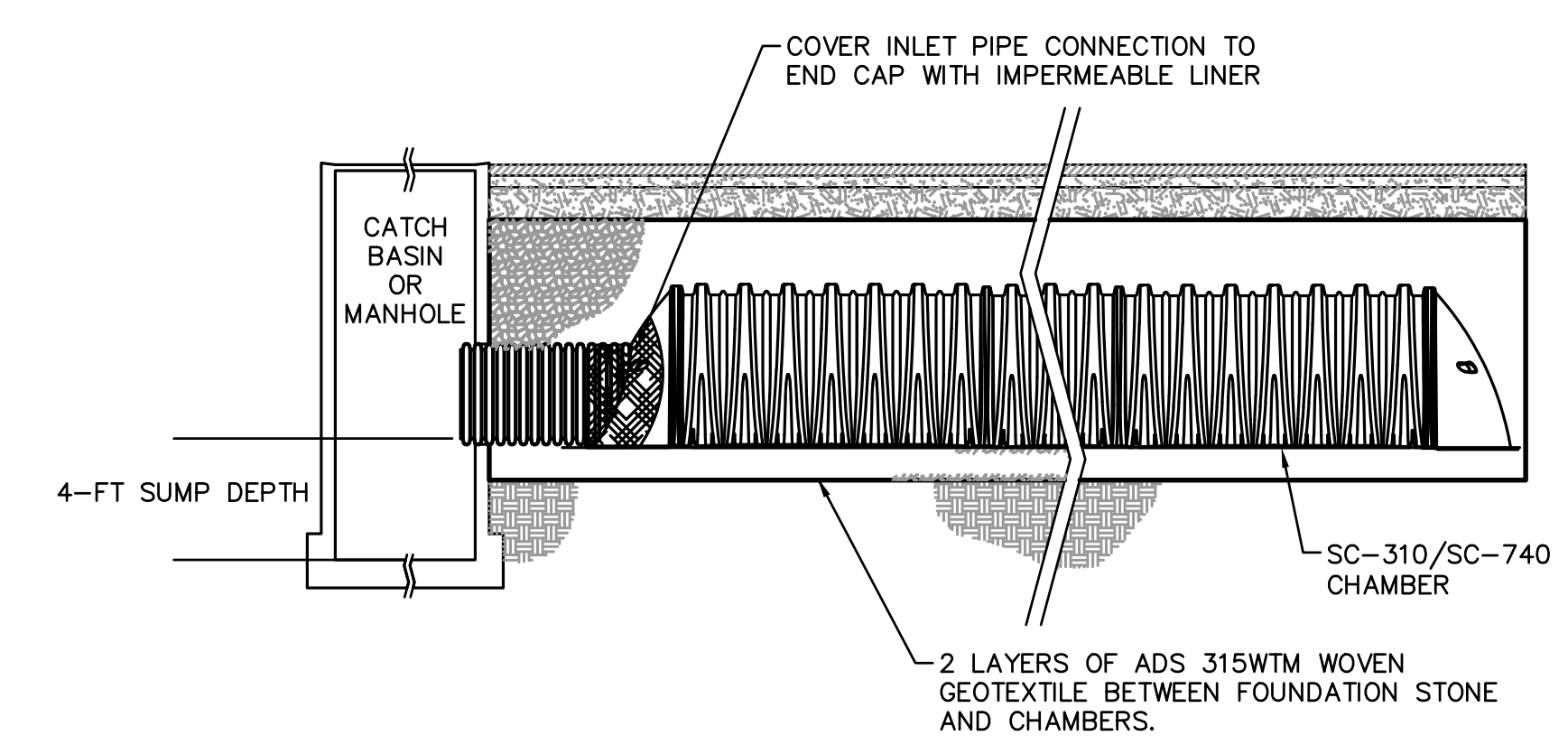
BIORETENTION SECTION THROUGH PARKING LOT ISLAND
 NOT TO SCALE



**STORMTECH SC-310 CHAMBER SYSTEM
 TYPICAL CROSS SECTION**
 NOT TO SCALE



**STORMTECH SC-740 CHAMBER SYSTEM
 TYPICAL CROSS SECTION**
 NOT TO SCALE



ISOLATOR ROW SECTION DETAIL
 NOT TO SCALE

REV.	COMMENTS	DATE

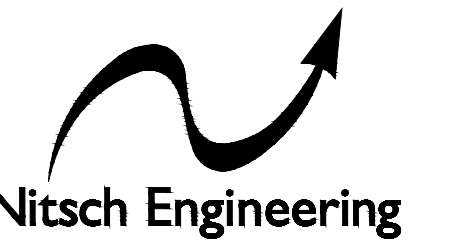
NITSCH PROJECT # 14850
 FILE: 14850-CLO.DWG
 SCALE: 1"=10'
 DATE: 03/XX/2022
 PROJECT MANAGER: BFC
 SURVEYOR: NITSCH
 DRAFTED BY: KEW
 CHECKED BY: JLW/BFC

SHEET:

C6.2

OF REV.

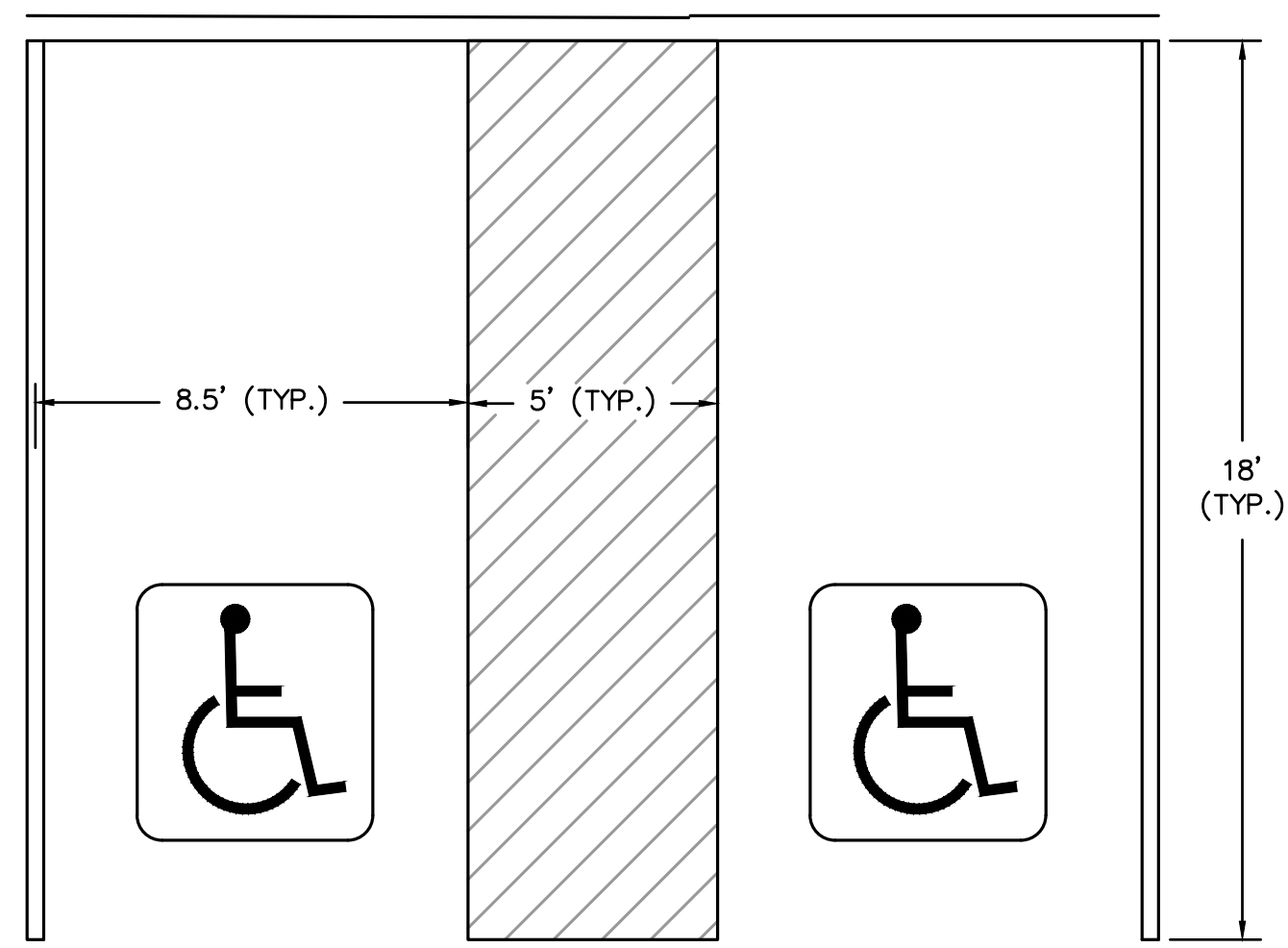
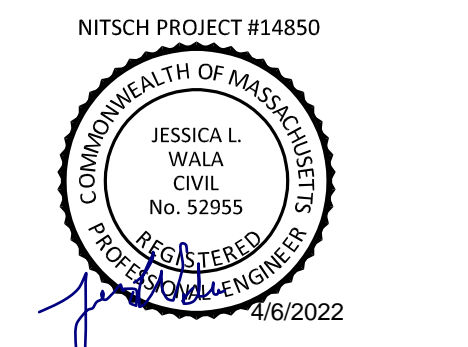
4/6/2022 10:58 AM



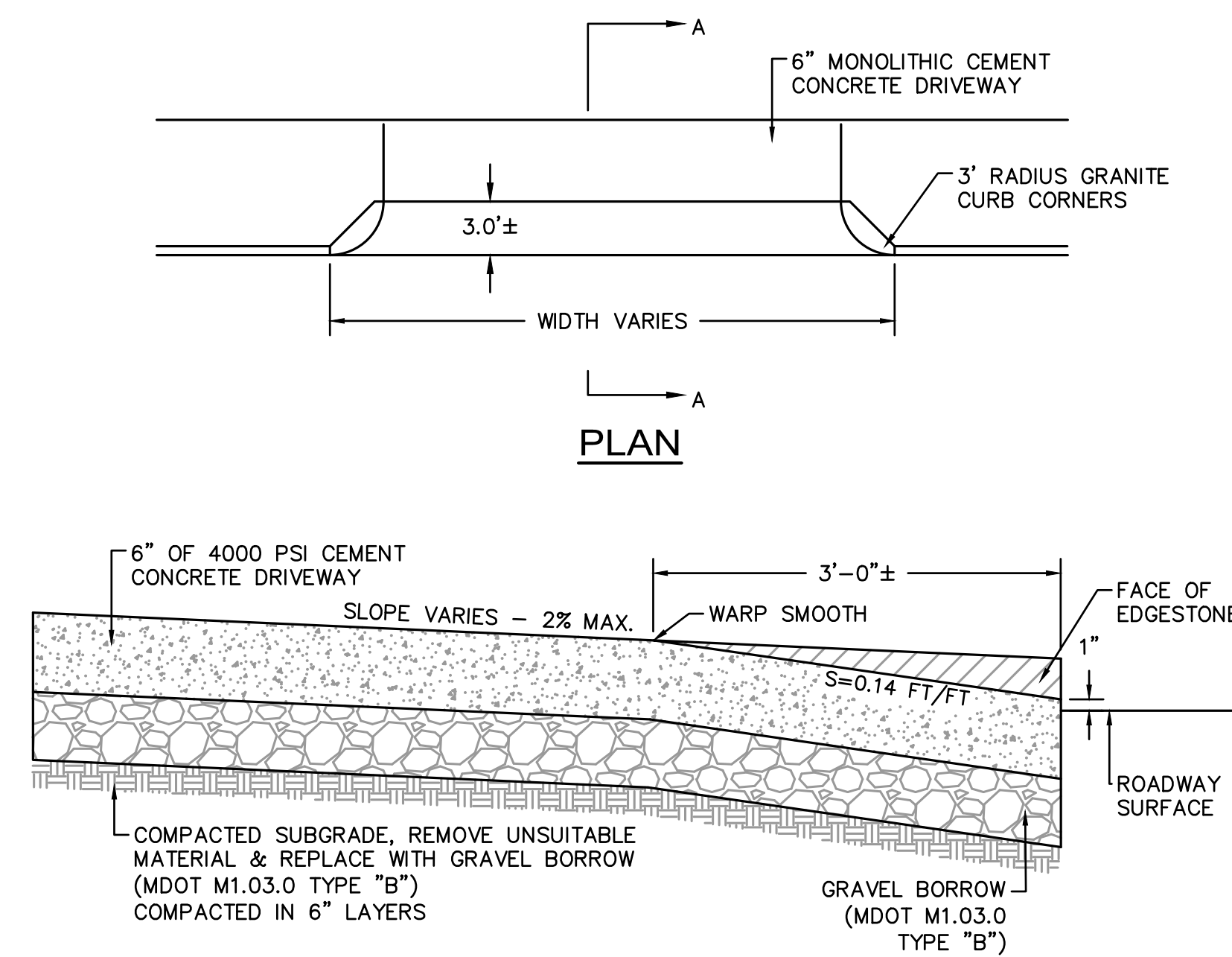
Nitsch Engineering
www.nitscheng.com
2 Center Plaza, Suite 430
Boston, MA 02108
T: (617) 338-0063
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- Civil Engineering
- Land Surveying
- Transportation Engineering
- Structural Engineering
- Green Infrastructure
- Planning
- GIS

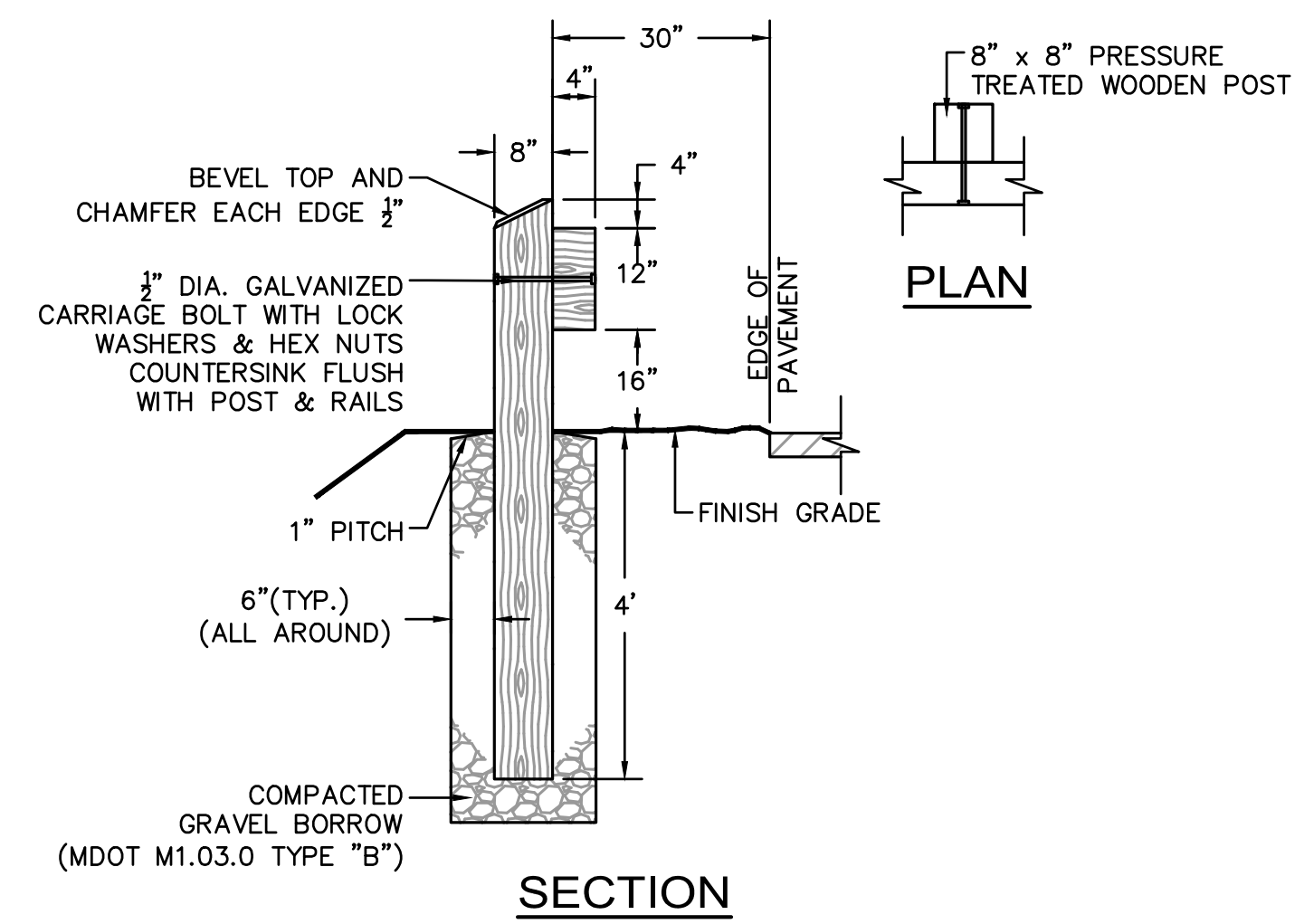
**NOTICE OF INTENT
PERMIT SET
4/6/2022**



ACCESSIBLE PARKING DETAIL
NOT TO SCALE

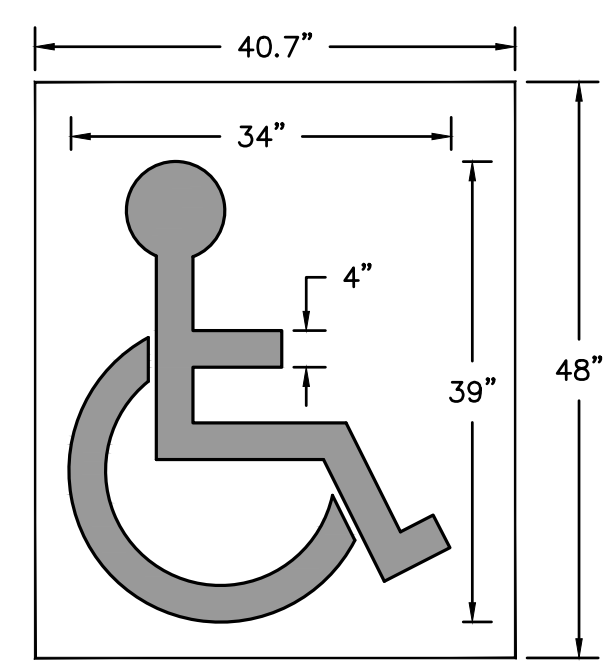


**SECTION A-A CONCRETE DRIVEWAY
TYPICAL DRIVEWAY WITH 3' CURB RETURN DETAIL**
NOT TO SCALE

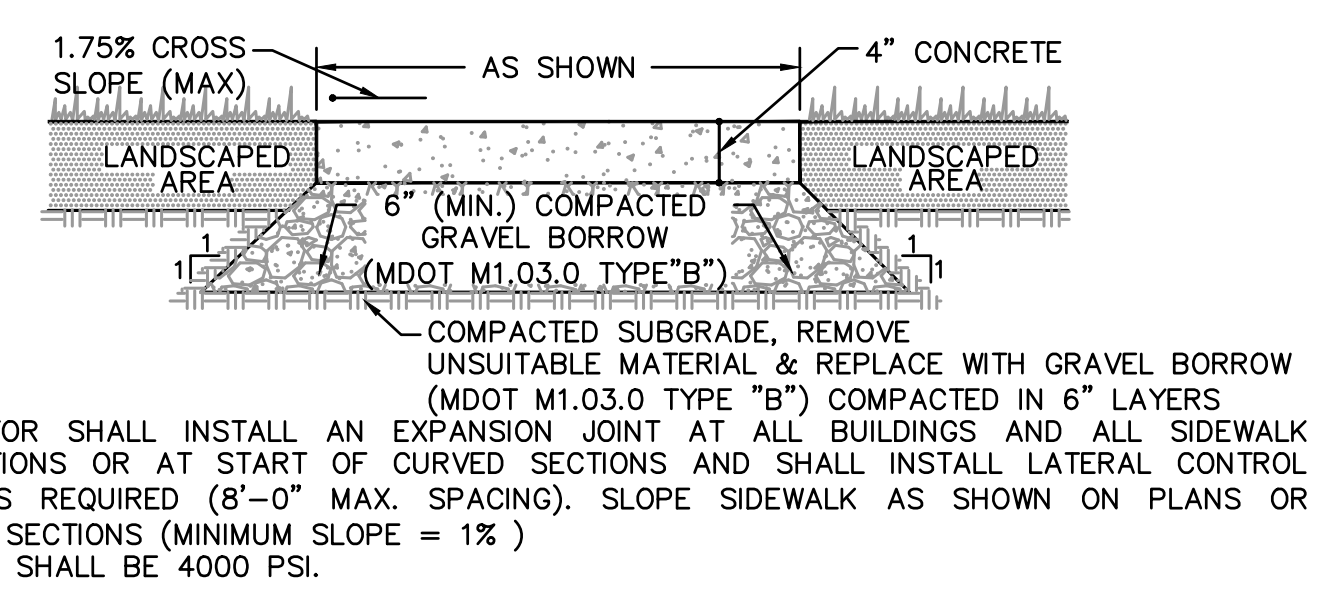


- NOTES:**
1. ALL WOOD SHALL BE SELECT STRUCTURAL GRADE SOUTHERN YELLOW PINE OR DOUGLAS FIR, S-4-S.
 2. ALL WOOD SHALL BE FULL CELL PROCESS PRESSURE TREATED IN ACCORDANCE AWPB - LP33.
 3. SPACE POSTS 7'-9" O.C. MAXIMUM.
 4. RAIL ENDS SHALL BE BURIED OR HAVE A TERMINAL SECTION.
 5. GUARD RAIL AND POST SHALL COMPLY WITH MDOT STANDARD SPECIFICATIONS M8.07.0.

TIMBER GUARD RAIL DETAIL
NOT TO SCALE

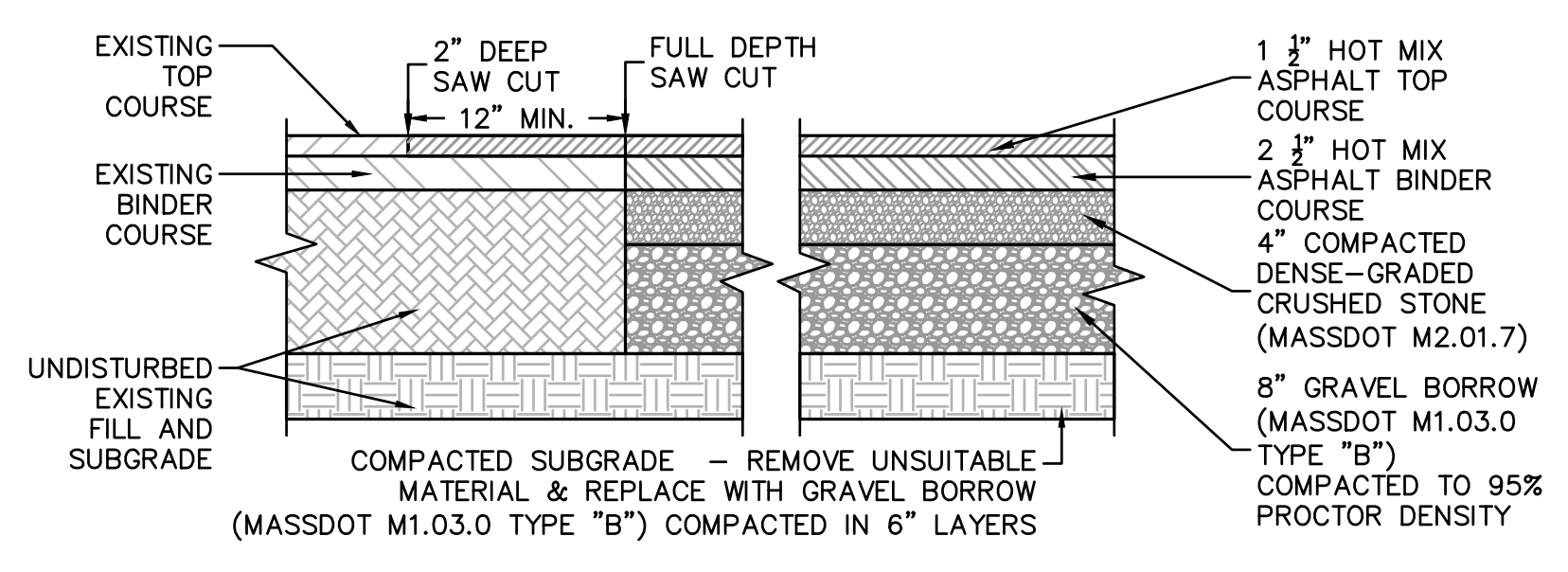


ACCESSIBLE PARKING STENCIL DETAIL
NOT TO SCALE

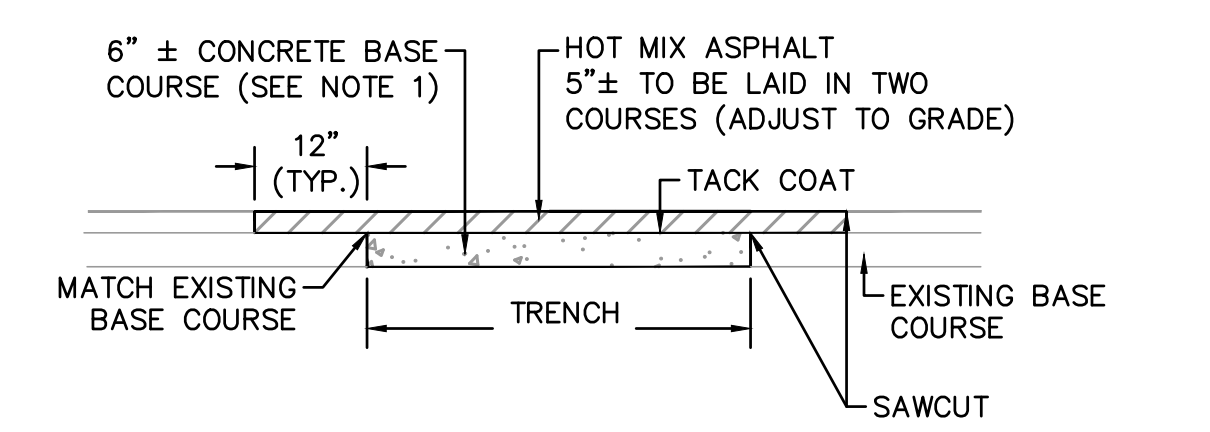


- NOTES:**
1. CONTRACTOR SHALL INSTALL AN EXPANSION JOINT AT ALL BUILDINGS AND ALL SIDEWALK INTERSECTIONS OR AT START OF CURVED SECTIONS AND SHALL INSTALL LATERAL CONTROL JOINTS AS REQUIRED (8'-0" MAX. SPACING). SLOPE SIDEWALK AS SHOWN ON PLANS OR ROADWAY SECTIONS (MINIMUM SLOPE = 1%).
 2. CONCRETE SHALL BE 4000 PSI.

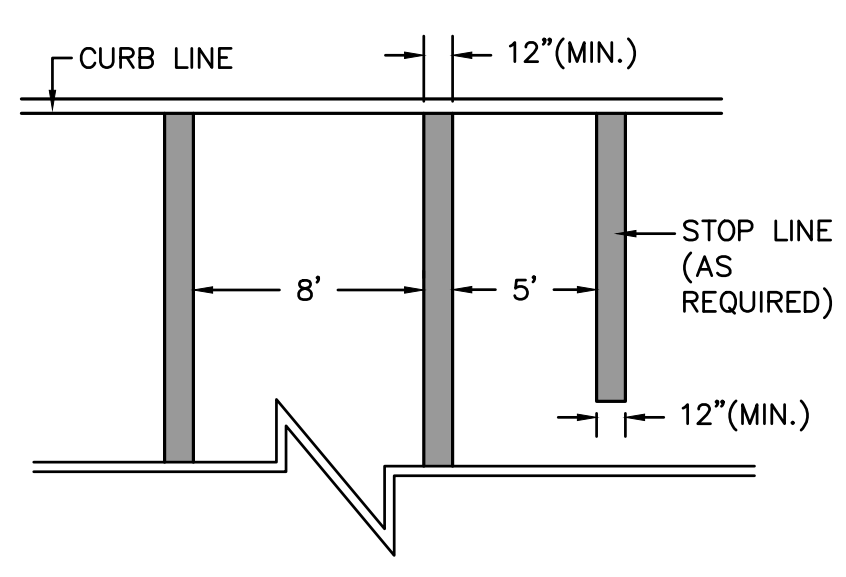
CONCRETE WALKWAY DETAIL
NOT TO SCALE



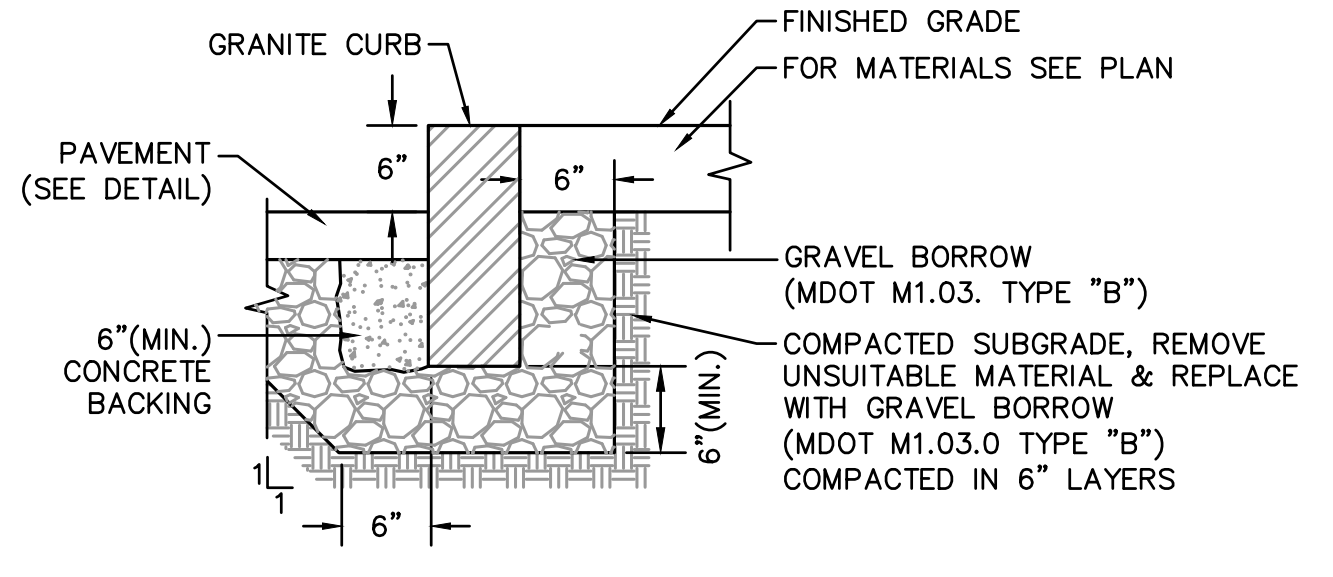
HOT MIX ASPHALT PAVING (TWO COURSES) DETAIL
NOT TO SCALE



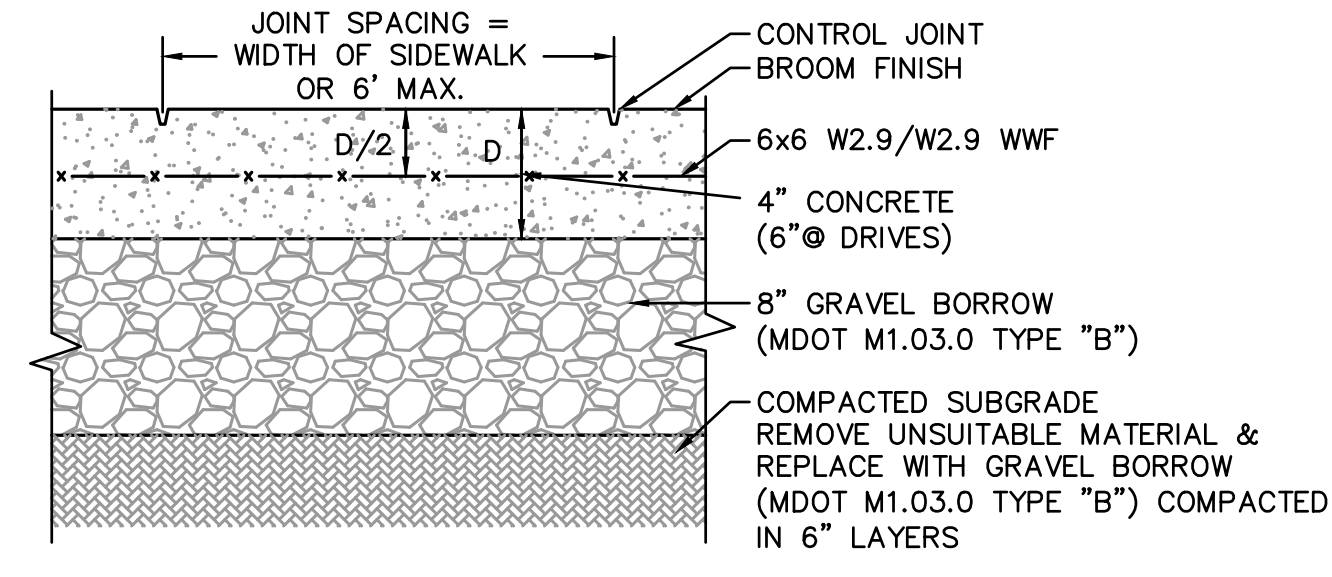
PAVEMENT RESTORATION OVER TRENCH DETAIL
NOT TO SCALE



CROSSWALK DETAIL
NOT TO SCALE



VERTICAL GRANITE CURB SETTING DETAIL
NOT TO SCALE



CONCRETE SIDEWALK DETAIL
NOT TO SCALE

SITE LAYOUT DETAILS
EAST BEACH PARKING LOT GREEN INFRASTRUCTURE RETROFIT
WS EAST BEACH RODNEY FRENCH BOULEVARD, NEW BEDFORD, MA 02744
PREPARED FOR:
CITY OF NEW BEDFORD
181 HILLMAN STREET #3, NEW BEDFORD, MA 02740

REV.	COMMENTS	DATE

NITSCH PROJECT # 14850
FILE: 14850-CL0.DWG
SCALE: 1"=10'
DATE: 03/XX/2022
PROJECT MANAGER: BFC
SURVEYOR: NITSCH
DRAFTED BY: KEW
CHECKED BY: JLW/BFC

SHEET:

C6.3

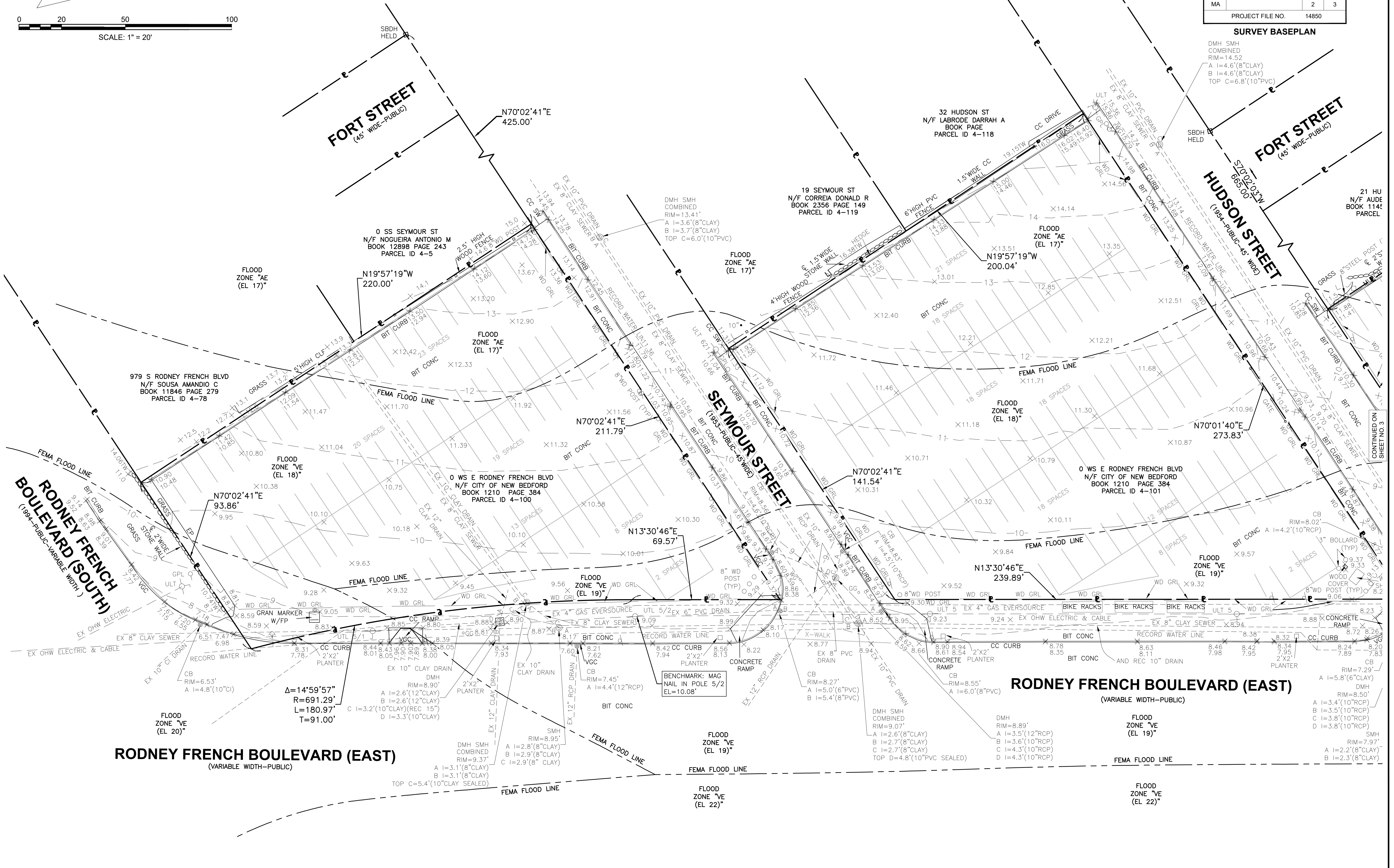
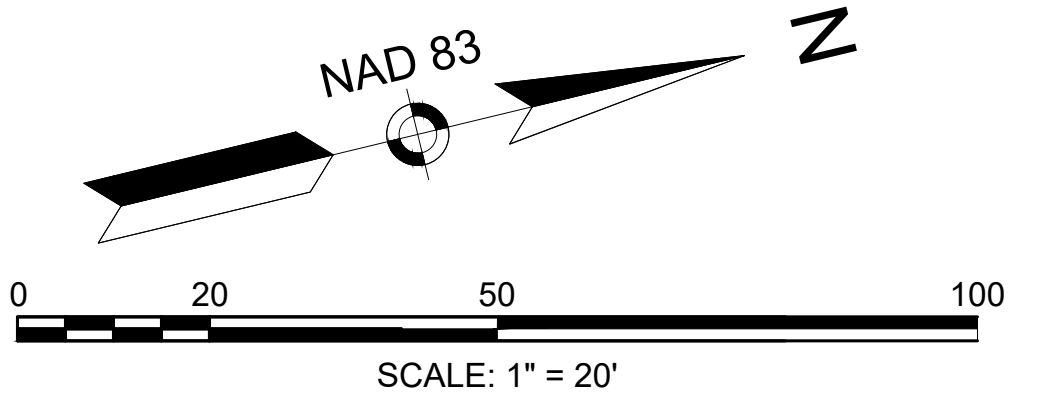
OF REV.

**CITY OF NEW BEDFORD
RODNEY FRENCH BOULEVARD (EAST)**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		2	3
PROJECT FILE NO.		14850	

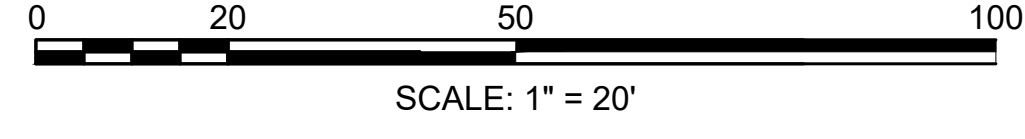
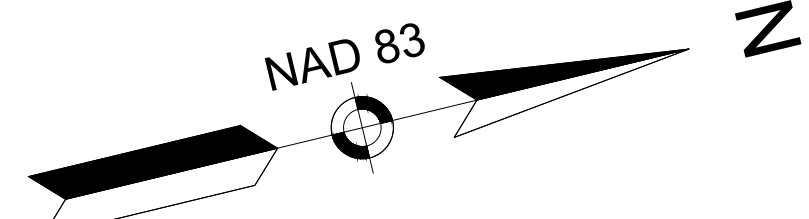
SURVEY BASEPLAN

DMH SMH
COMBINED
RIM=14.52
A I=4.6'(8"CLAY)
B I=4.6'(8"CLAY)
TOP C=6.0'(10"PVC)



14850_TPO01.DWG Plotted on 27-Jan-2022 1:49 PM

CONTINUED ON
SHEET NO. 3



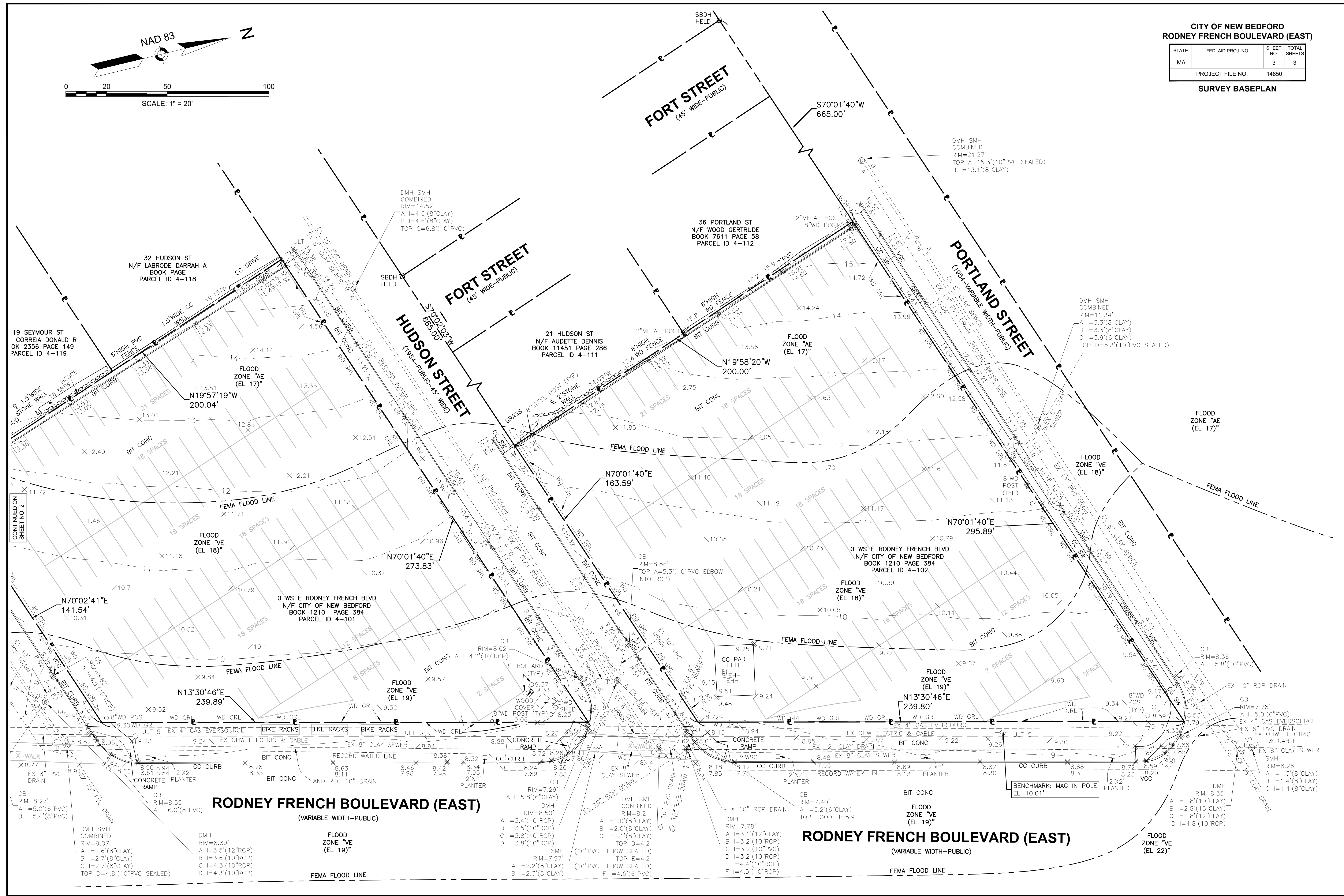
**CITY OF NEW BEDFORD
RODNEY FRENCH BOULEVARD (EAST)**

STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA		3	3

PROJECT FILE NO. 14850

SURVEY BASEPLAN

14850_T0P01.DWG Plotted on 27-Jan-2022 1:49 PM



RODNEY FRENCH BOULEVARD (EAST)
(VARIABLE WIDTH-PUBLIC)

RODNEY FRENCH BOULEVARD (EAST)
(VARIABLE WIDTH-PUBLIC)

- DMH SMH COMBINED RIM=9.07'
- A I=2.6'(8"CLAY)
- B I=2.7'(8"CLAY)
- C I=2.7'(8"CLAY)
- TOP D=4.8'(10"PVC SEALED)

- DMH RIM=8.89'
- A I=3.5'(12"RCP)
- B I=3.6'(10"RCP)
- C I=4.3'(10"RCP)
- D I=4.3'(10"RCP)

- FLOOD ZONE 'VE (EL 19)'

- RIM=7.29'
- A I=5.8'(6"CLAY)
- RIM=8.50'
- A I=3.4'(10"RCP)
- B I=3.5'(10"RCP)
- C I=3.8'(10"RCP)
- D I=3.8'(10"RCP)
- SMH (10"PVC ELBOW SEALED)
- RIM=7.97'
- A I=2.2'(8"CLAY)
- B I=2.3'(8"CLAY)
- DMH SMH COMBINED RIM=8.21'
- A I=2.0'(8"CLAY)
- B I=2.0'(8"CLAY)
- C I=2.1'(8"CLAY)
- TOP D=4.2'
- DMH RIM=7.40'
- A I=5.2'(6"CLAY)
- TOP HOOD B=5.9'
- DMH RIM=7.78'
- A I=3.1'(12"CLAY)
- B I=3.2'(10"RCP)
- C I=3.2'(10"RCP)
- D I=3.2'(10"RCP)
- E I=4.4'(10"RCP)
- F I=4.5'(10"RCP)

- FLOOD ZONE 'VE (EL 19)'

- DMH RIM=8.35'
- A I=2.8'(10"CLAY)
- B I=2.8'(15"CLAY)
- C I=2.8'(12"CLAY)
- D I=4.8'(10"RCP)
- DMH RIM=7.78'
- A I=5.0'(6"PVC)
- EX 4" GAS EVERSOURCE
- EX 6" PVC DRAIN
- EX 8" CLAY SEWER
- SMH RIM=8.26'
- A I=1.3'(8"CLAY)
- B I=1.4'(8"CLAY)
- C I=1.4'(8"CLAY)
- D I=4.8'(10"RCP)

- FLOOD ZONE 'VE (EL 22)'

CONTINUED ON SHEET NO. 2