



Invitation for Bid No. 2023-064R

**Crooked Creek WRF – Building & Site
Improvements**

ADDENDUM No. 3

ISSUE DATE: June 2nd, 2023

Responding Bidders on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

Project SP-107 - Crooked Creek WRF – Building & Site Improvements
Union County, NC
Architect’s Project No: 601191

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GENERAL:

Planholders are requested to insert this Addendum in the front of their Project Manual. Inform all concerned that the Bidding Documents are modified by this Addendum.

The following modifications and clarifications are hereby made a part of the Bidding Documents and supersede or otherwise modify the provisions of the published *Project Manual* and *Drawings*, dated 10-14-2022, Addendum 01 Dated 5-04-2023 and Addendum 02 Dated 6-01-2023.

Refer to the Drawings, Specification Sections, or other Documents, if any, attached to this Addendum, which are hereby made a part of this Addendum.

A Pre-Bid Conference was held on 04-27-2023. A copy of the sign-in log has been posted to www.moseleyarchitects.com/bidding for information only and is not considered a part of the Bidding Documents.

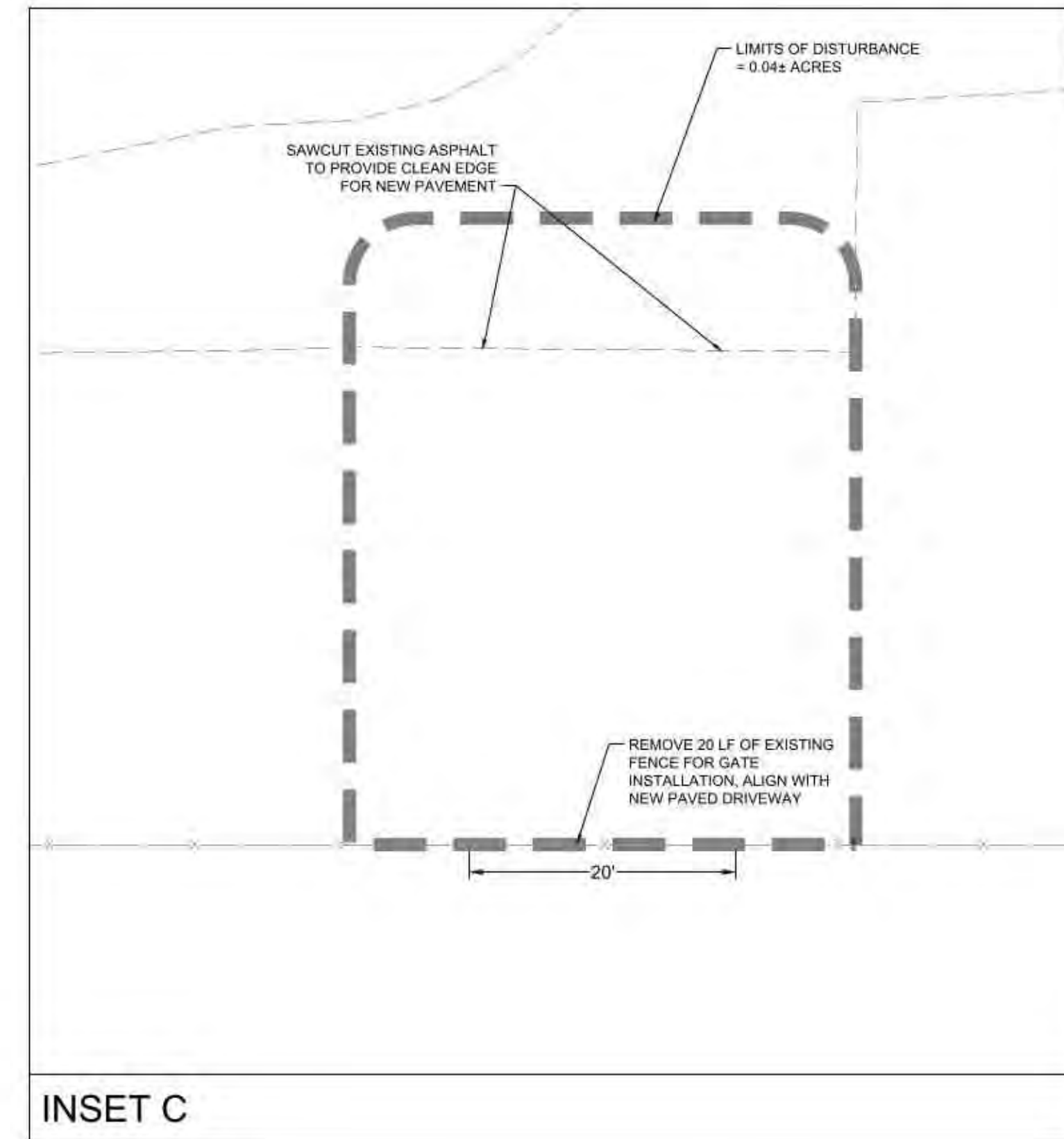
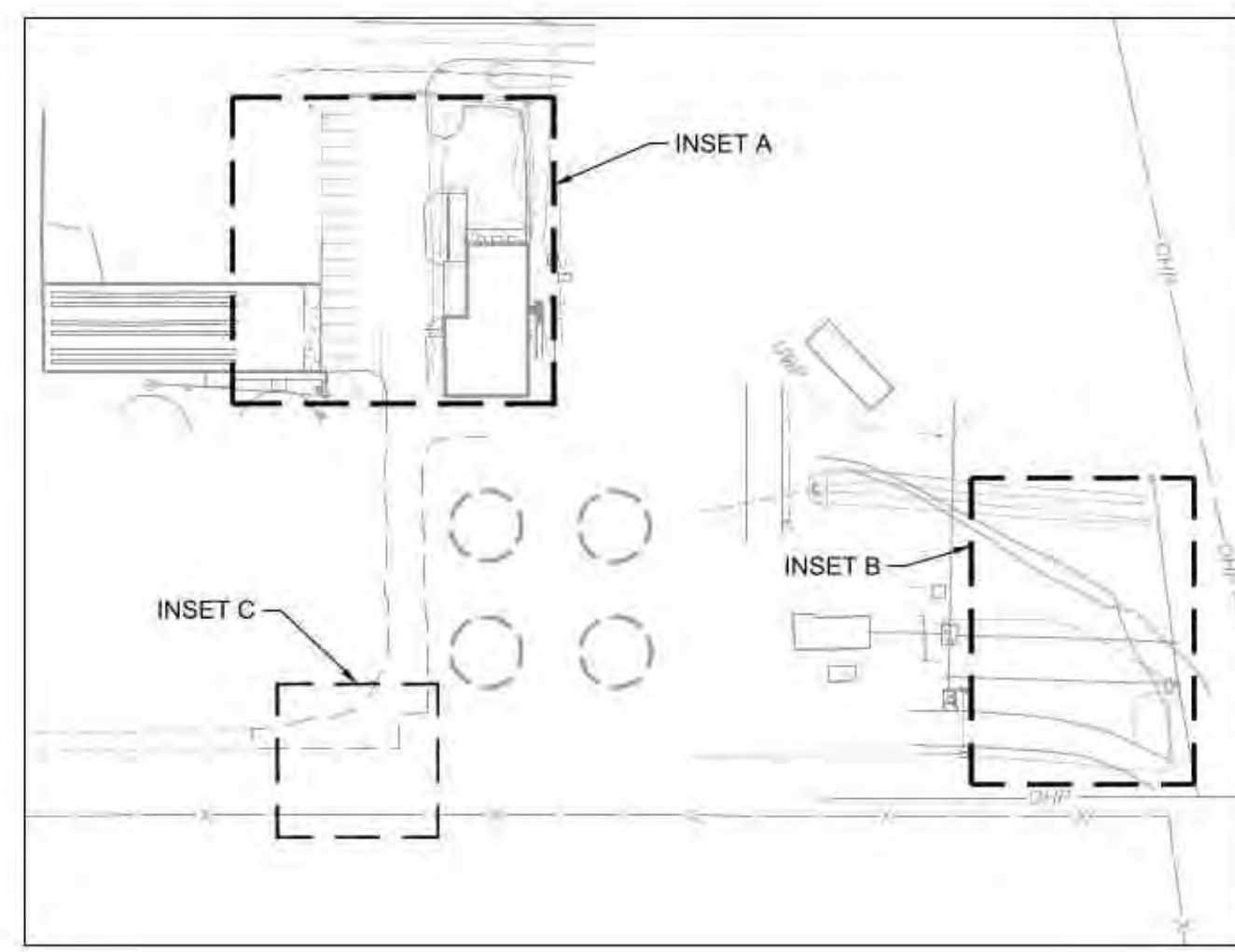
MODIFICATIONS TO THE PROJECT MANUAL AND DRAWINGS:

DELETE the previously issued Documents indicated below in their entirety and SUBSTITUTE the revised Documents in their entirety, noted as Addendum 03, dated 6-01-2023.

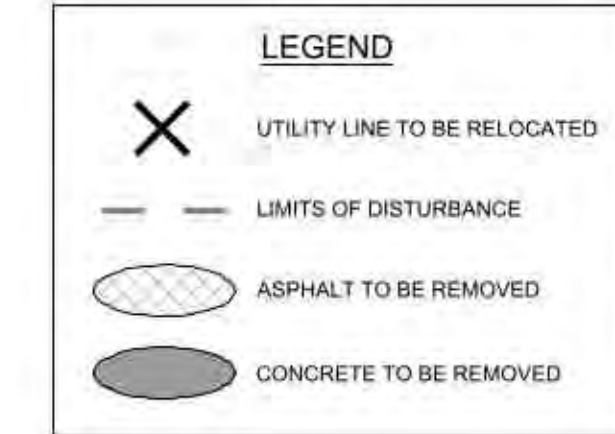
- Drawing – C1.0
- Drawing – C2.0
- Drawing – C3.0
- Drawing – C4.0

REFER TO DRAWINGS ATTACHED TO THE END OF THIS ADDENDUM

END OF ADDENDUM NO 03



INSET B ALTERNATE #1

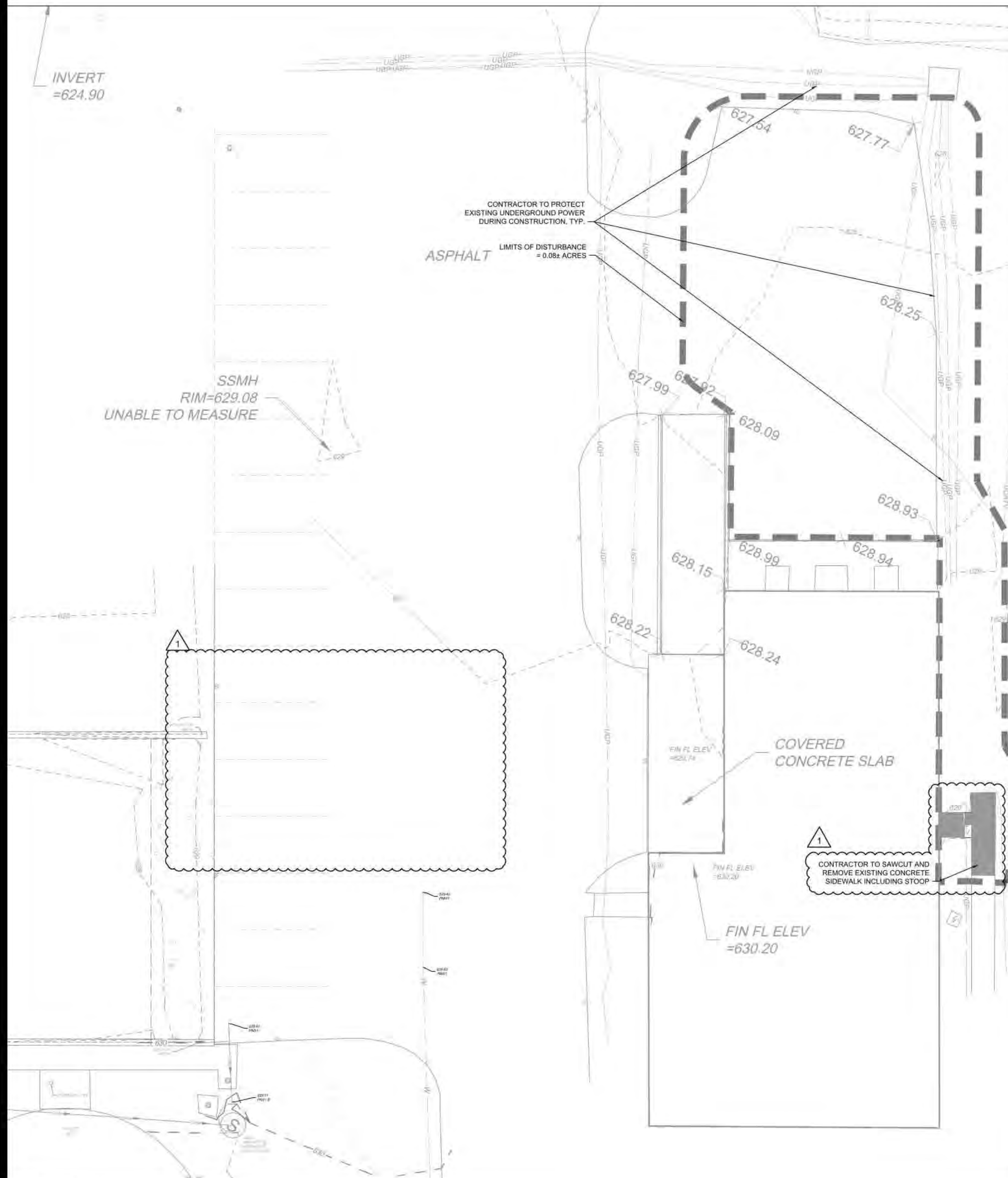


DEMOLITION NOTES

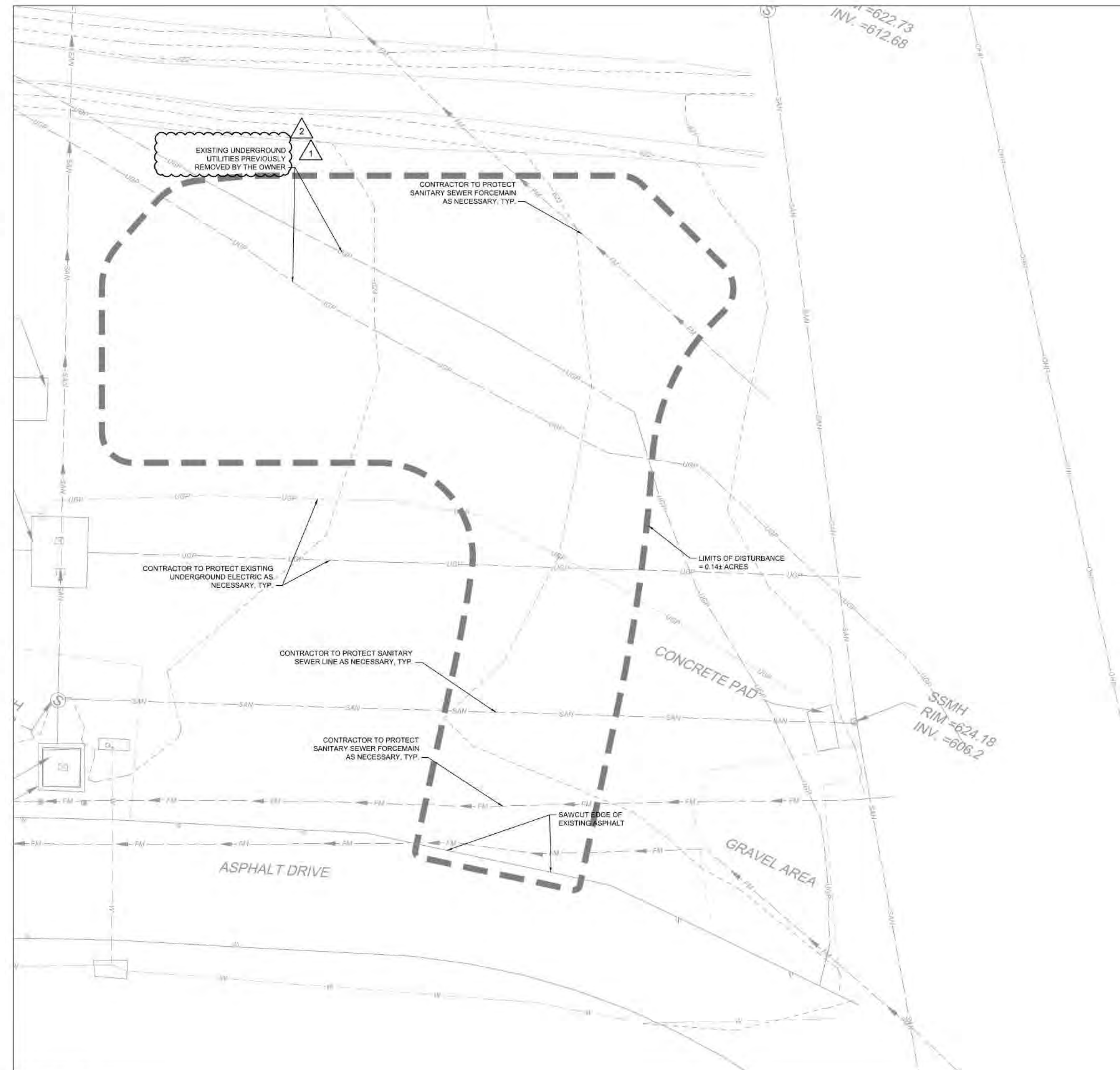
1. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND SEQUENCING OF DEMOLITION AS DESCRIBED BY THESE DOCUMENTS AND SPECIFICATIONS. CONTRACTOR IS TO OBTAIN ALL PERMITS.
2. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DEMOLITION OR RELOCATION WITH APPLICABLE UTILITY COMPANIES, I.E. GAS, CABLE, POWER, TELEPHONE, WATER, SEWER, ETC.
3. CONTRACTOR SHALL BE RESPONSIBLE TO IMMEDIATELY FIX ANY ACTIVE UTILITIES DAMAGED DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE. THE OWNER WILL PAY TO MOVE OR REPAIR ANY UTILITIES ENCOUNTERED DURING CONSTRUCTION WHICH ARE NOT IDENTIFIED ON CONSTRUCTION DOCUMENTS OR SITE SURVEY.
4. ALL WASTE MATERIAL GENERATED BY THE DEMOLITION WILL BE HAULED FROM THE SITE AND DISPOSED OF PER LOCAL ORDINANCES, RECYCLING TO THE GREATEST EXTENT POSSIBLE.
5. SAW-CUT CONCRETE AND ASPHALT PAVEMENT, SIDEWALK, OR CURB AND GUTTER BEFORE EXCAVATION WHERE CONSTRUCTION PLANS SHOW TIE-INS.
6. REPAIR OR REPLACE ANY ADJACENT CONCRETE CURBING AND/OR SIDEWALK DAMAGED AS PART OF DEMOLITION PROCESS.
7. NO HEAVY EQUIPMENT SHALL BE ALLOWED WITHIN ANY PROPOSED TREE PROTECTION ZONE. ANY REQUESTED USE MUST BE APPROVED BY THE CITY'S URBAN FORESTER.

EXISTING UTILITY NOTE

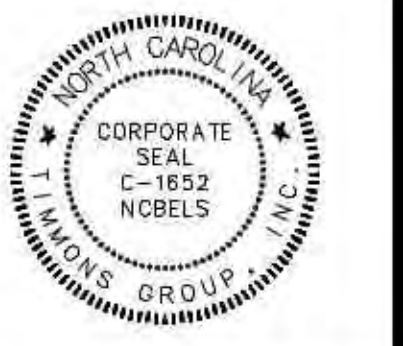
1. THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND EXISTENCE OF ALL UTILITIES (ELECTRICAL, MECHANICAL, WATER, SEWER, TELEPHONE, GAS, STORM DRAINAGE, ETC.) WITHIN THE CONSTRUCTION AREA PRIOR TO ANY EXCAVATION. THE OMISSION OF OR INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



INSET A

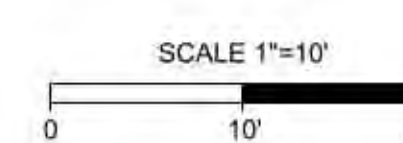


INSET B ALTERNATE #1



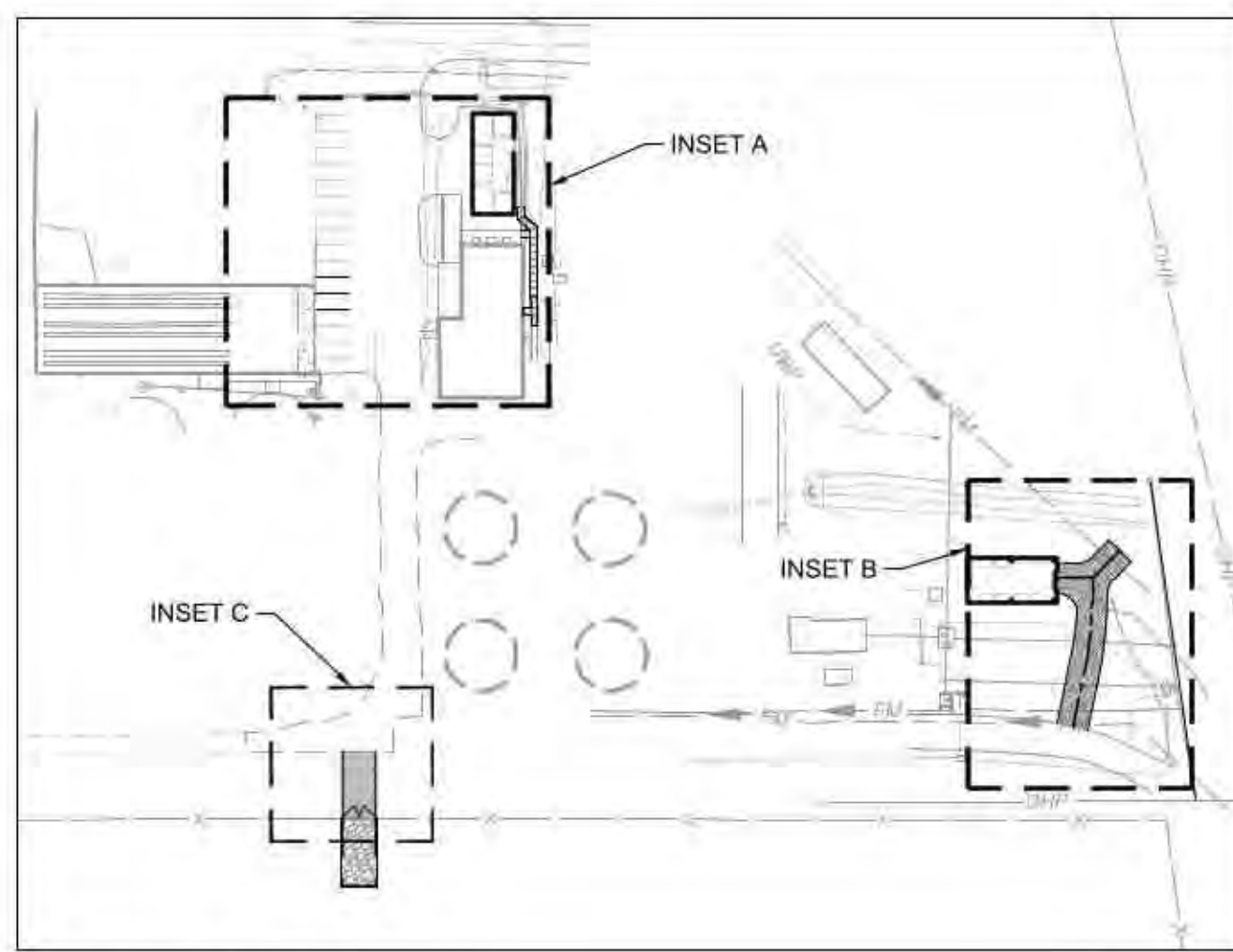
CROOKED CREEK WRF - BUILDING & SITE IMPROVEMENTS, PROJECT SP-107
 UNION COUNTY PUBLIC WORKS
 4095 SARDIS CHURCH RD, MONROE, NC 28110

PROJECT NO:	801191
DATE:	November 19, 2021
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05/03/2023	ADDENDUM 01
05/24/2023	ADDENDUM 03



1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPLICABLE UTILITIES AND VERIFYING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING BARRICADES USING FLAGSTICKS, ETC. AS NECESSARY TO ENSURE SAFETY TO THE PUBLIC.
3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPAIRED TO MEET THE STANDARDS OF THE NORTH CAROLINA AND FEDERAL SPECIFICATIONS FOR QUALITY OF HIGHWAY WORK.
4. SHOWING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P OR AS AMENDED.

DEMOLITION PLAN



GENERAL NOTES

TAX PARCEL ID NUMBER: 07066015B
 JURISDICTION: TOWN OF INDIAN TRAIL
 ZONING: GENERAL BUSINESS DISTRICT (GBD)
 TOTAL SIZE: 13.6190
 EXISTING USE: WASTEWATER TREATMENT FACILITY
 PROPOSED USE: WASTEWATER TREATMENT FACILITY

PROPOSED BUILDINGS:
 OFFICE BUILDING: 1,290 SF
 STORAGE BUILDING: 1,250 SF

BUILDING HEIGHT:
 OFFICE BUILDING: 11'-2"
 STORAGE BUILDING: 22'-4"

REQUIRED PARKING: 2 (ONE SPACE/800 SF OF 1,300 SF OFFICE BLDG)
 PROVIDED PARKING: 2 (EXISTING)
 ACC. PARKING REQ.: 1
 ACC. PARKING PROV.: 1 (EXISTING)

IMPERVIOUS SUMMARY

TOTAL SITE AREA: 13.6190 AC
 EXISTING BUILT UPON AREA: 131,403 SF (3.02 AC)
 EXISTING BUA TO BE REMOVED: 0 SF (0.00 AC)
 EXISTING BUA TO REMAIN: 131,403 SF (3.02 AC)
 PROPOSED NEW BUA: 5,280 SF (0.12 AC)
 PROPOSED % BUA: 23.0%
 TOTAL POST-PROJECT BUA FOR SITE: 136,683 SF (3.14 AC)

STAKING & HARDSCAPE NOTES

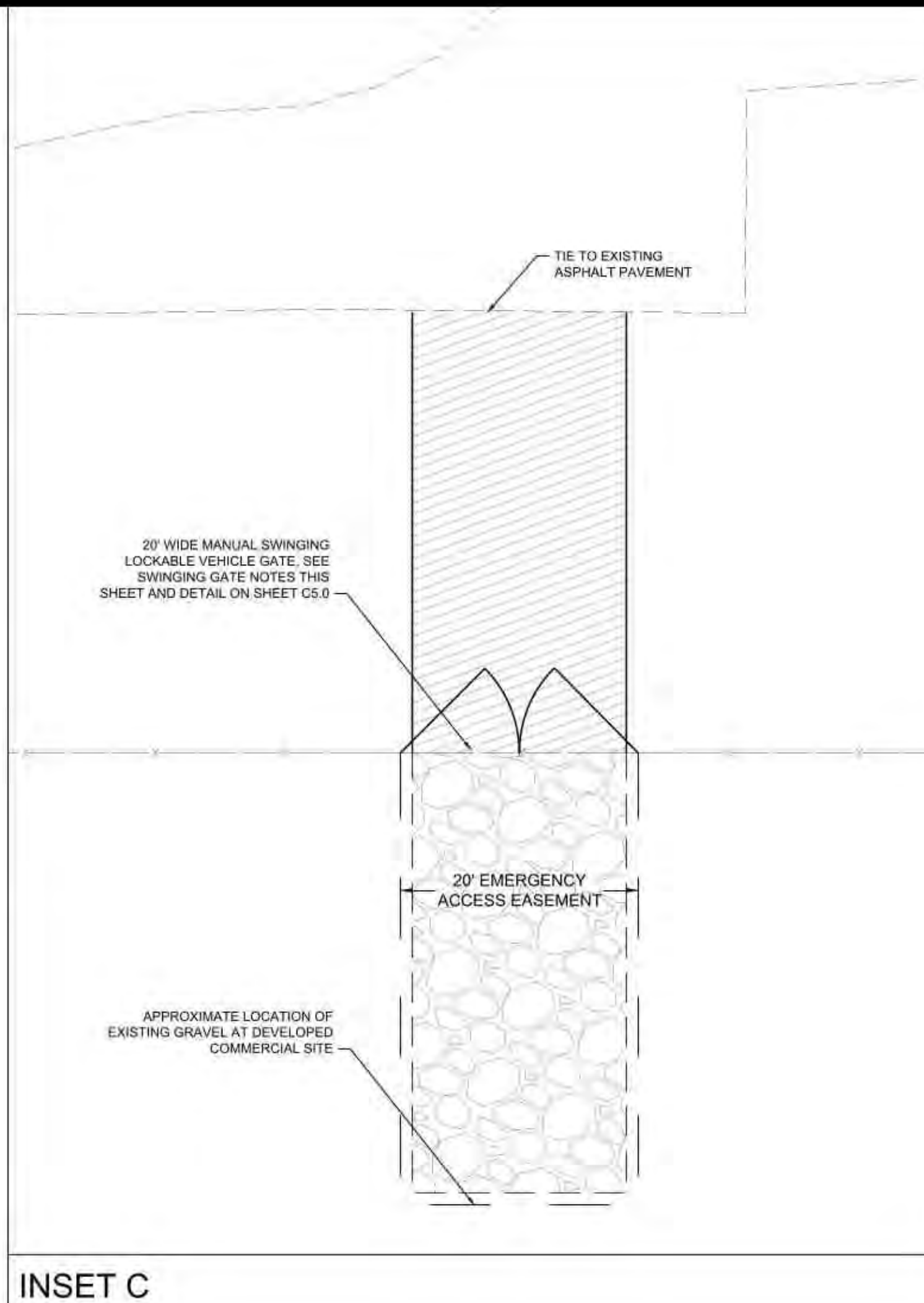
- SEE ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS.
- ALL DIMENSIONS ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL ESTABLISH AND VERIFY POINT OF BEGINNING (P.O.B.) AND STAKE SITE, AS INDICATED ON CONSTRUCTION DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY TIMMONS GROUP IMMEDIATELY OF ANY DISCREPANCIES.
- ALL DETAILS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH SPECIFICATIONS AND CONSTRUCTION DOCUMENTS.
- ALL CURB SHALL BE 6" VERTICAL CURB UNLESS OTHERWISE NOTED.
- PROPOSED CONCRETE SCORING PATTERN SHOULD BE USED TO MEET THE GENERAL INTENT OF DESIGN BUT MAY REQUIRE ADJUSTMENTS IN ORDER TO APPROPRIATELY TIE TO THE EXISTING CONDITIONS.

EXISTING UTILITY NOTE

- THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND EXISTENCE OF ALL UTILITIES (ELECTRICAL, MECHANICAL, WATER, SEWER, TELEPHONE, GAS, STORM DRAINAGE, ETC.) WITHIN THE CONSTRUCTION AREA. PRIOR TO ANY EXCAVATION, THE OMISSION OF OR INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UNDERGROUND UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

UNION COUNTY PUBLIC WORKS NOTES:

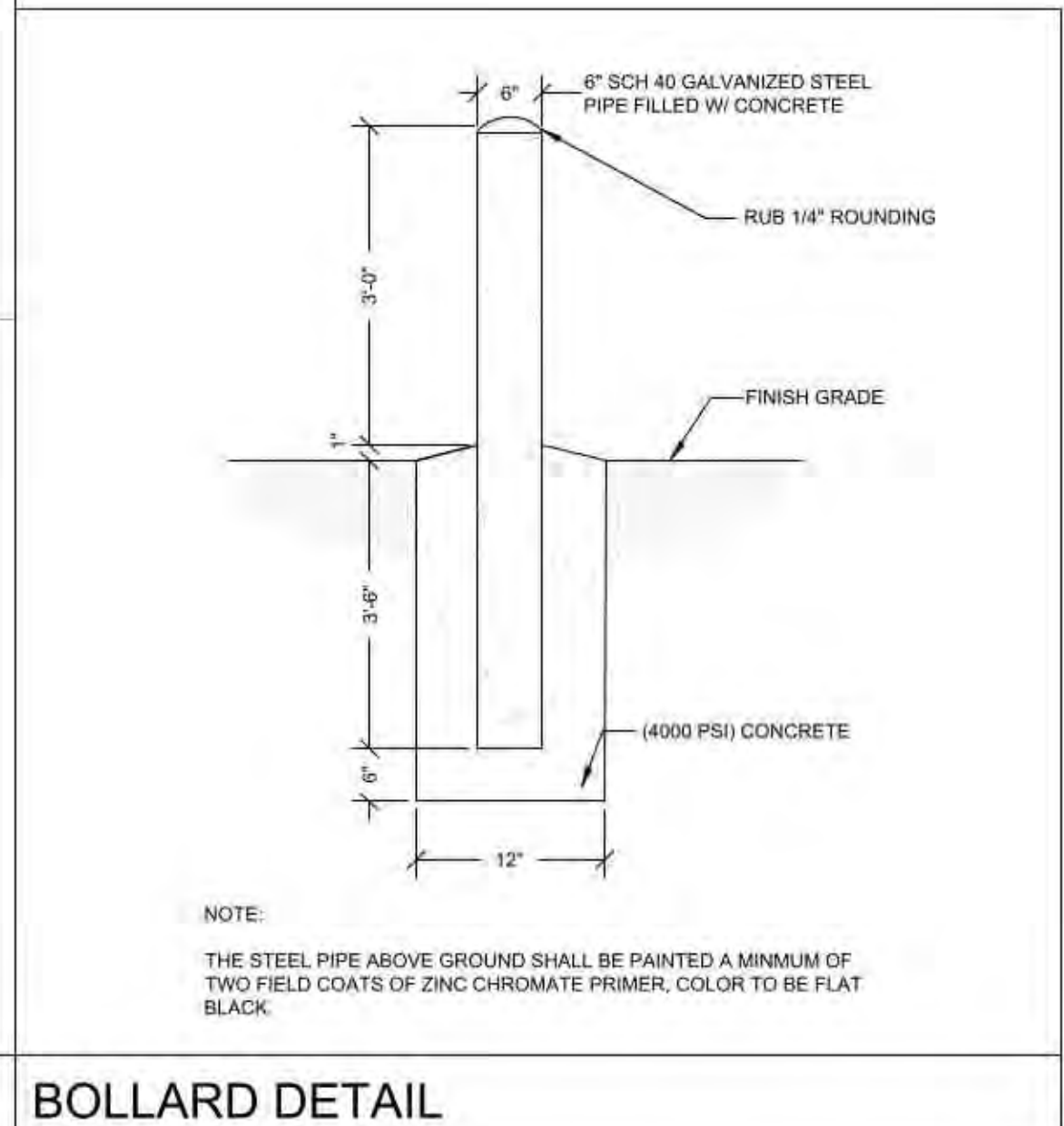
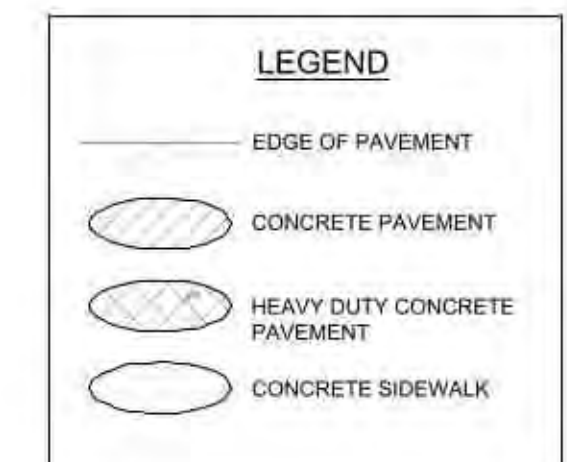
- METERS WILL NOT BE SET IF WATER METER BOXES, SEWER CLEANOUTS, VALVE BOXES OR THEIR APPURTENANCES ARE DAMAGED OR IMPROPERLY POSITIONED.
- REFER TO UNION COUNTY SPECIFICATIONS, UNION COUNTY WATER AND SEWER EXTENSION POLICY AND TO UNION COUNTY WATER AND SEWER EXTENSION ORDINANCE.
- DE-WATERING: THE CONTRACTOR SHALL AT ALL TIMES PROVIDE AND MAINTAIN AMPLE MEANS AND EQUIPMENT WITH WHICH TO REMOVE AND PROPERLY DISPOSE OF ANY AND ALL WATER ENTERING THE EXCAVATION OR OTHER PARTS OF THE WORK AND KEEP ALL EXCAVATIONS DRY UNTIL SUCH TIME AS PIPE LAYING AND GRADING IS COMPLETED AND STRUCTURES TO BE BUILT THEREIN ARE COMPLETED. NO WATER SHALL BE ALLOWED TO RISE AROUND THE PIPE IN UNBACKFILLED TRENCHES NOR SHALL IT BE ALLOWED TO RISE OVER THE MASONRY UNTIL THE CONCRETE OR MORTAR HAS SET (MINIMUM 24 HOURS). ALL WATER PUMPED OR DRAINED FROM THE WORK SHALL BE DISPOSED OF IN SUCH A MANNER AS TO PREVENT SILTATION AND EROSION TO ADJACENT PROPERTY OR OTHER CONSTRUCTION.
- ENGINEER VERIFIES DESIGN HAS BEEN BASED ON GROUND SURVEY.
- DESIGN ENGINEER SHALL CONFIRM THAT WATER AND SEWER MAINS AS WELL AS SERVICE LINES, METER BOXES, FIRE HYDRANTS, WATER SERVICES, AND LATERALS WILL NOT BE IN CONFLICT WITH ANY PROPOSED UTILITY INSTALLATIONS, LANDSCAPING AND/OR DRIVEWAYS. ANY CONFLICTS SHALL BE AT THE DEVELOPER'S EXPENSE TO COORDINATE AND RESOLVE AND COULD RESULT IN DELAY OF WATER METERS BEING SET.
- ANY CHANGES MADE TO THE PLANS FOR OTHER DISCIPLINES (STORMWATER, EROSION, TREES, LANDSCAPING, ETC.) MUST BE SHOWN AND IDENTIFIED BY REVISION # AND CLOUDING. FAILURE TO DO SO WILL DELAY THE APPROVAL OF THIS PROJECT.
- ONLY UCPW PERSONNEL WILL OPERATE THE ACTIVE VALVES WHICH INCLUDED THE TAPPING VALVE.
- ALL 2" GATE VALVES SHALL BE AWWA C615 COMPLIANT.
- ALL WATER AND SEWER TAPS, MATERIALS, AND INSTALLATION TO BE BY THE DEVELOPER.
- THE PROPERTY OWNER SHALL NOT CONSTRUCT OR PERMIT CONSTRUCTION OR PLACEMENT OF ANY TYPE STRUCTURE, PLANT TREES, OR MAKE USE OF THE EASEMENT AREA IN ANY MANNER THAT WILL RESULT IN INTERFERENCE, INTERRUPTION, OR IMPEDIMENT OF THE COUNTY'S EASEMENT AND INGRESS/EGRESS.



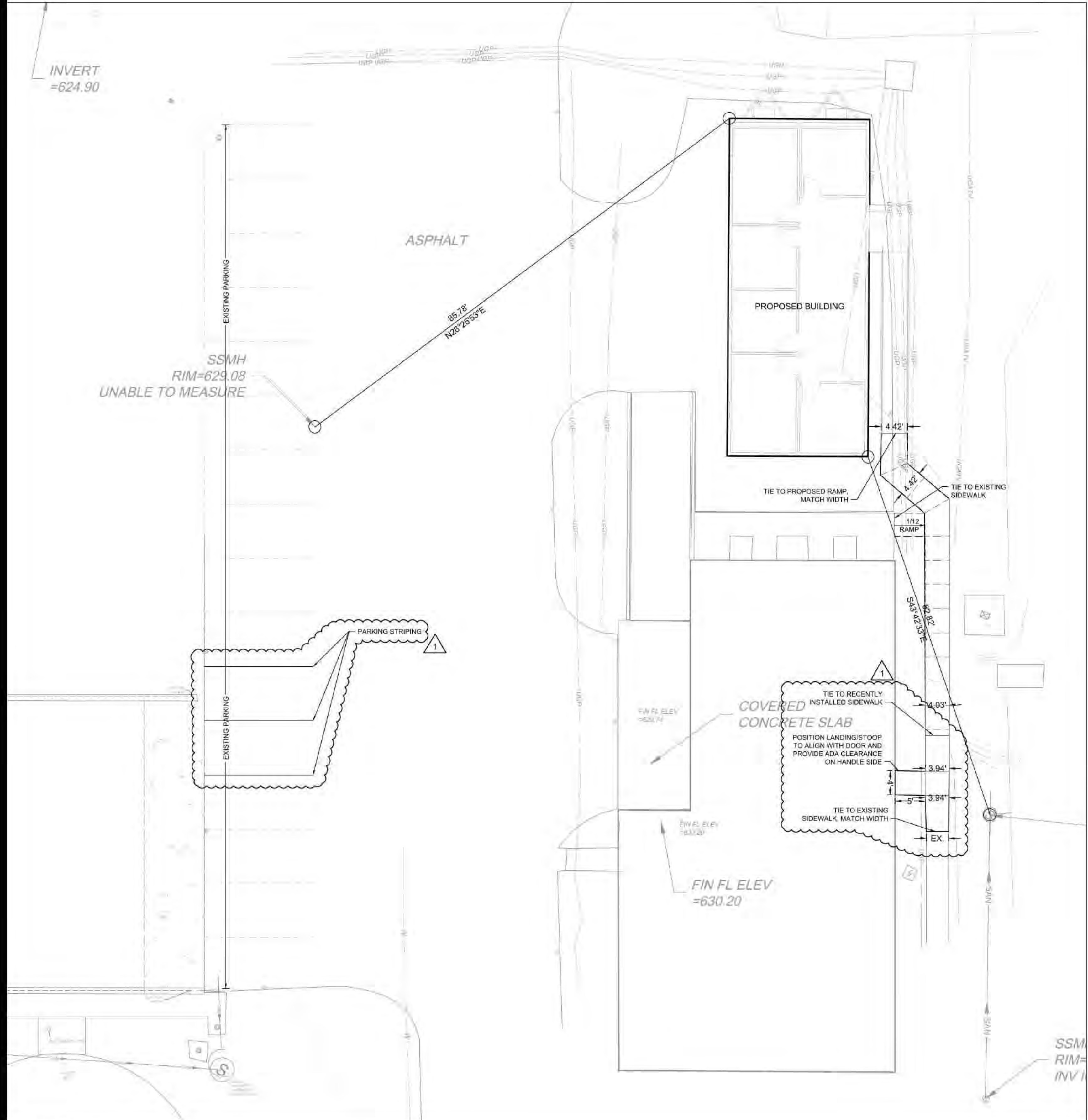
INSET C

SWINGING GATE NOTES

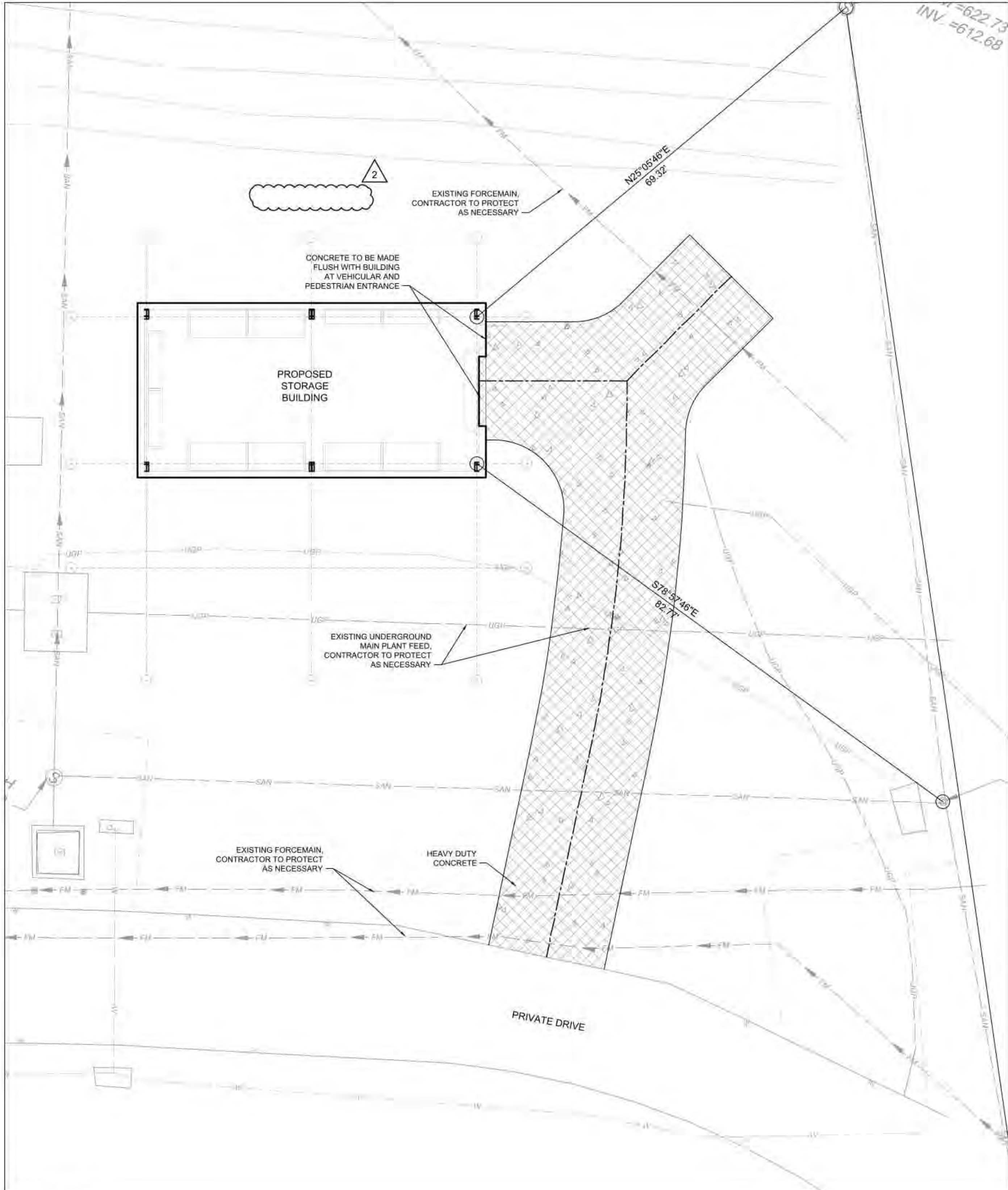
- SWINGING GATES ARE TO BE MANUAL LOCKABLE GATES.
- GATES FRAMEWORK IS TO BE GALVANIZED METAL AND CONFORM TO ASTM A624/A624M WITH A MINIMUM YIELD STRENGTH OF 45,000 PSI. STEEL SHALL BE HOT-DIP GALVANIZED TO MEET ASTM A653/A653M WITH A MINIMUM ZINC COATING WEIGHT OF 0.80 OZ/SQ. FT. COATING DESIGNATION G-90.
- FENCING TO BE CHAIN LINK TO MATCH ADJACENT FENCING.
- POSTS SHALL BE 3"x2.75"x12 GA. I-BEAM FOR GATES UP TO 8' TALL.
- PLACE APPROXIMATELY 75 TONS OF AGGREGATE BASE COURSE TO SUPPLEMENT GRAVEL PARKING AND ACCESS TO THE ADJACENT DEVELOPED COMMERCIAL LOT.
- INSTALL TWO (2) BOLLARDS TO PROTECT THE BUILDING ELECTRICAL SERVICE PANEL AT THE DEVELOPED COMMERCIAL LOT. CONTRACTOR TO VERIFY LOCATION WITH OWNER PRIOR TO INSTALLATION.



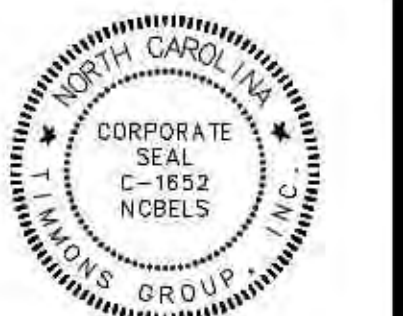
BOLLARD DETAIL



INSET A

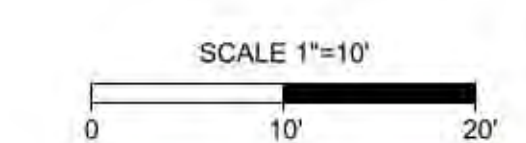
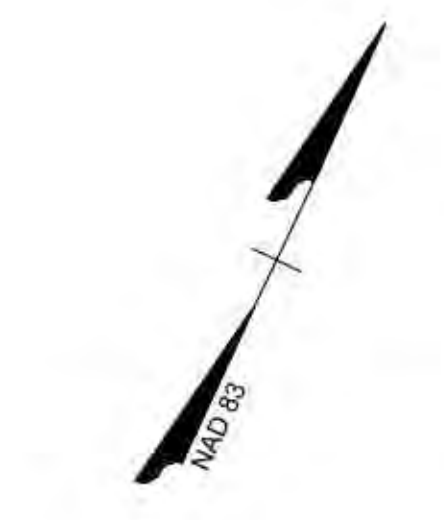


INSET B ALTERNATE #1

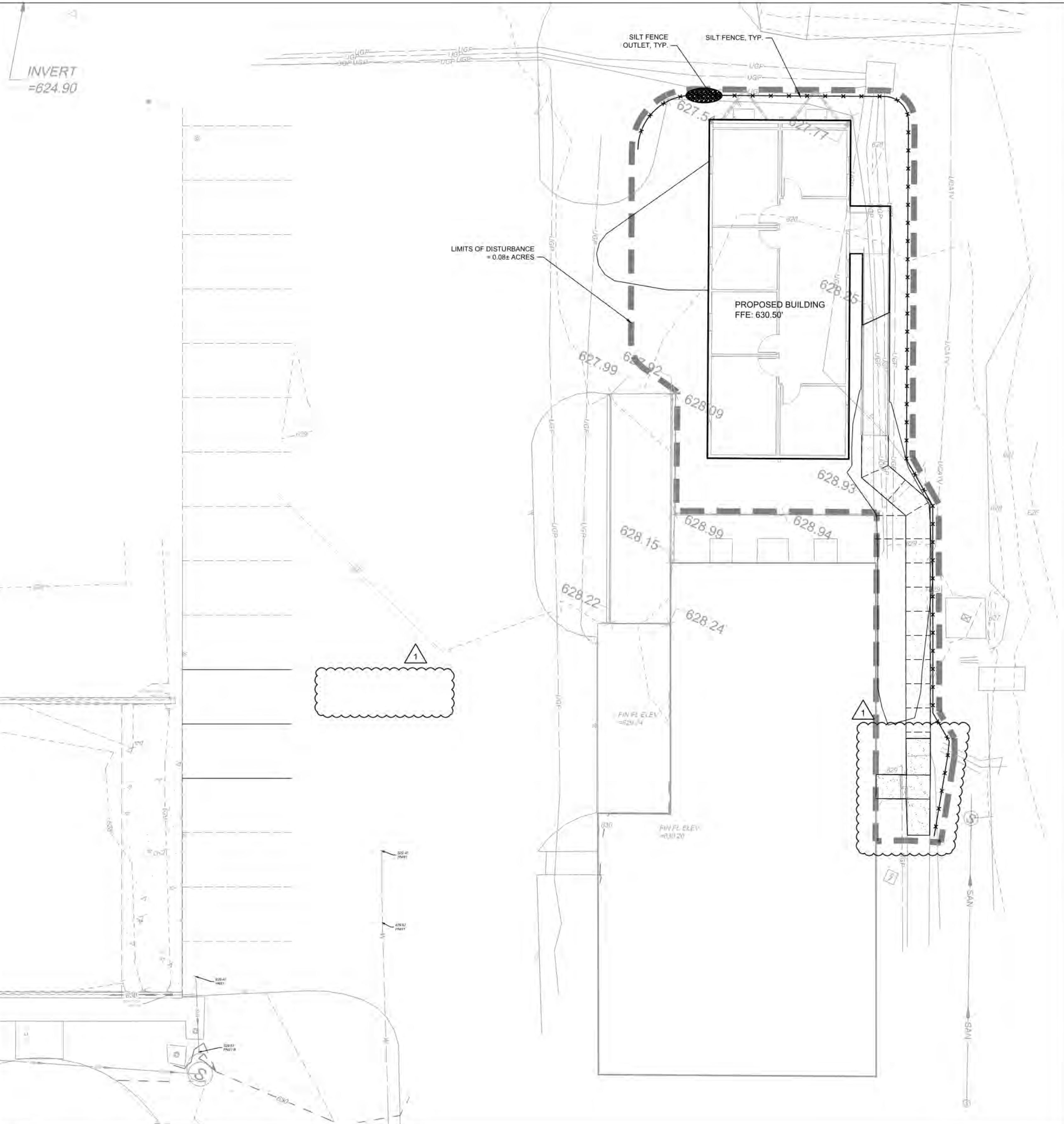
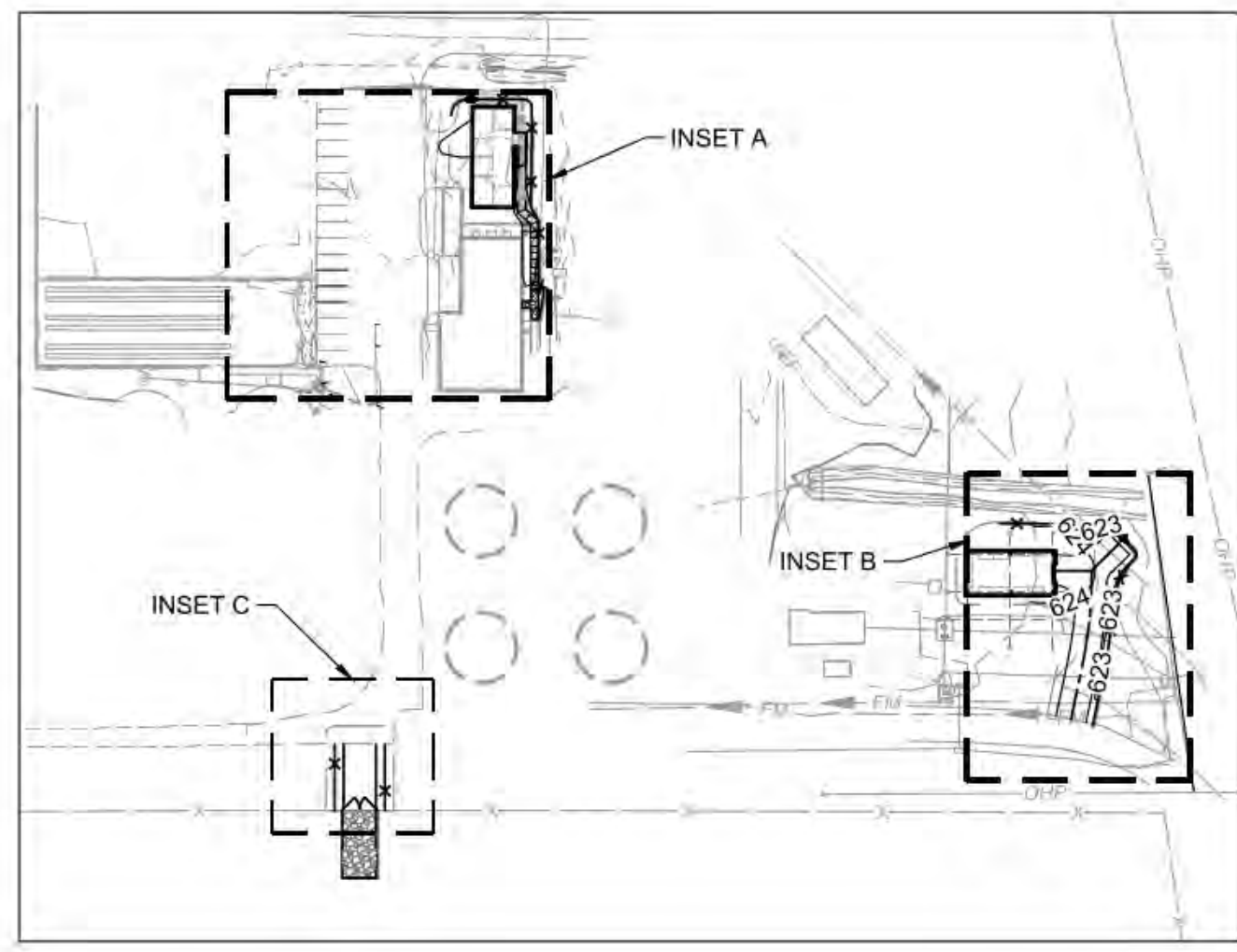


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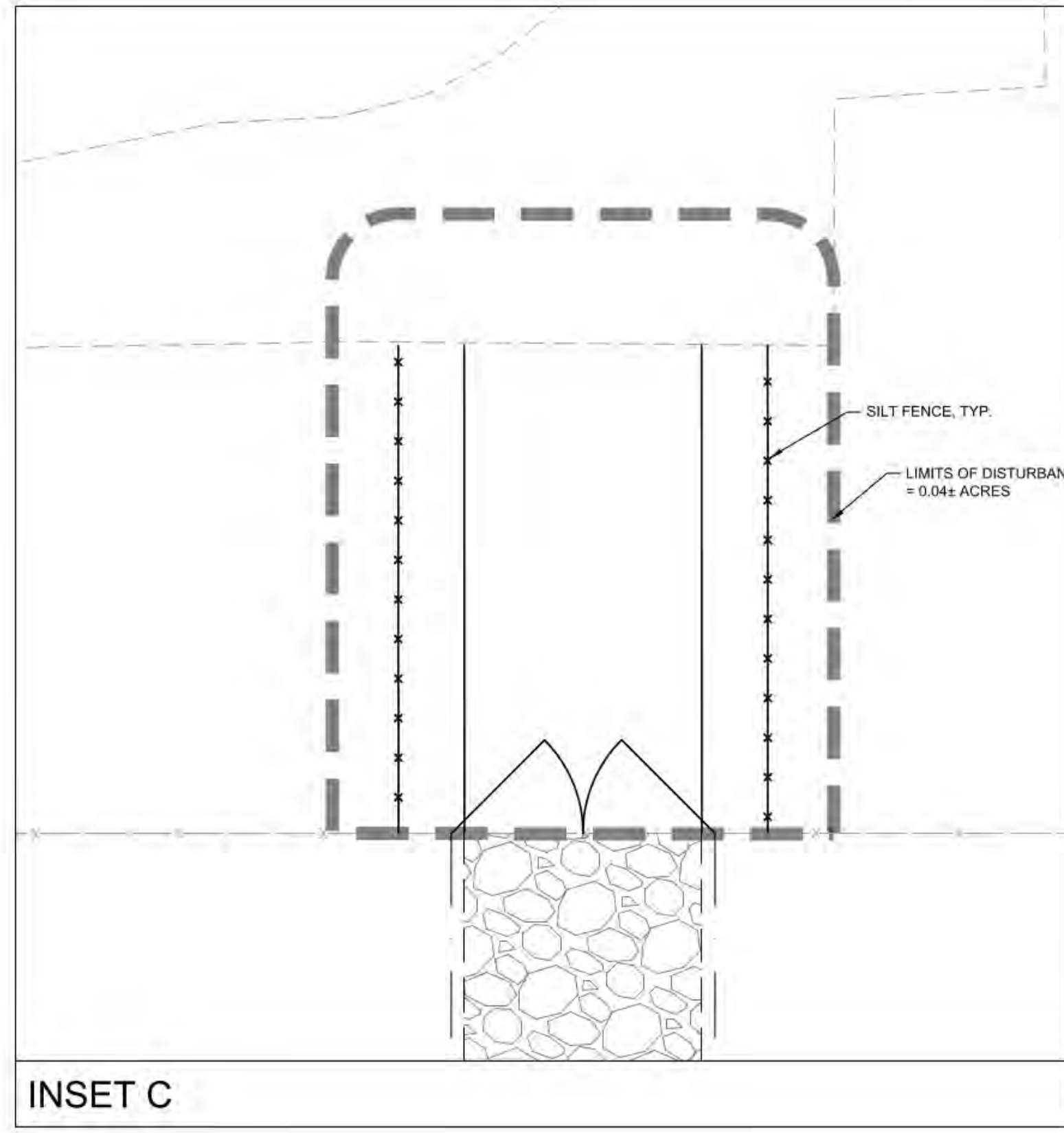
PROJECT NO:	801191
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05/03/2023	ADDENDUM 01
05/24/2023	ADDENDUM 03



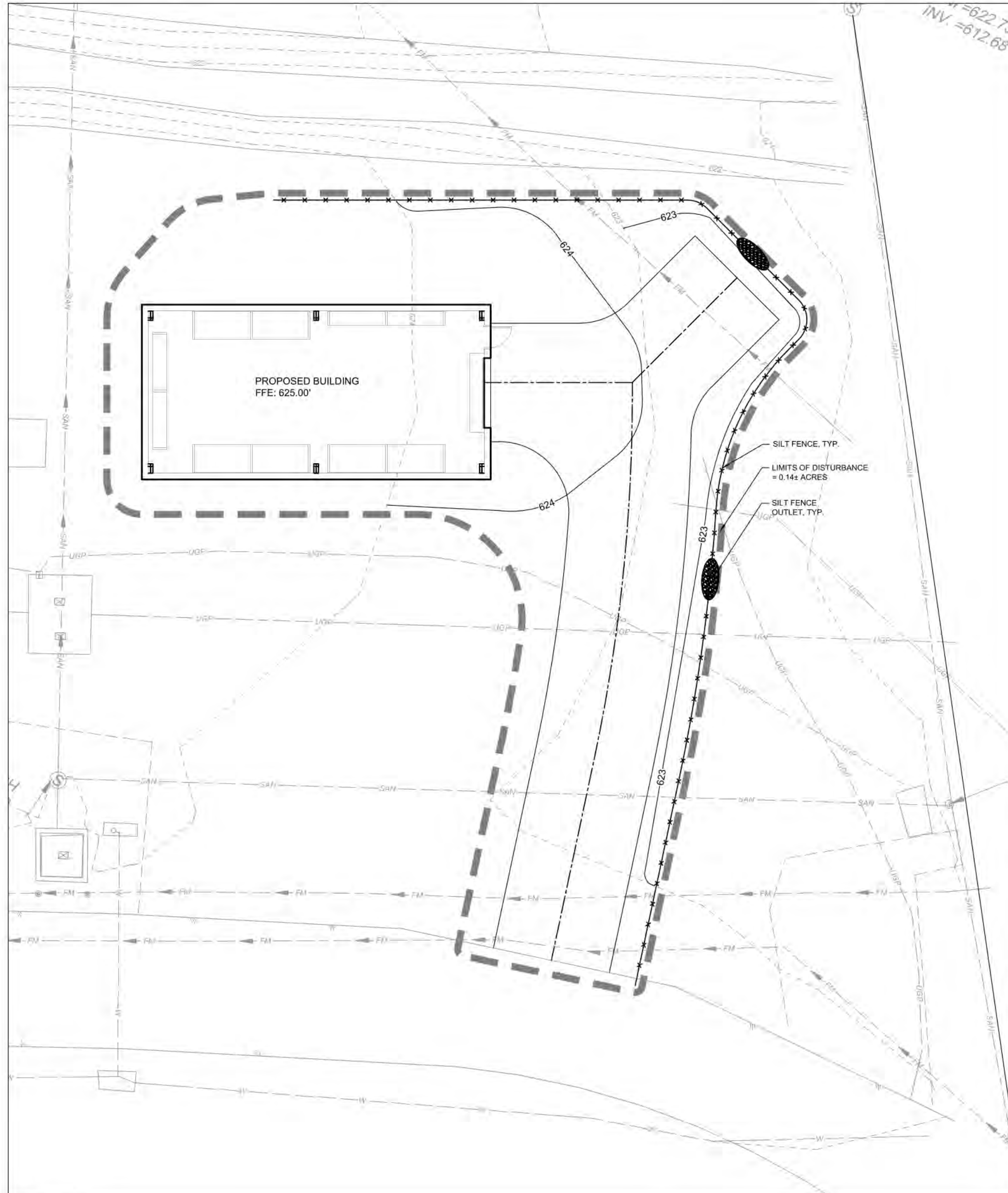
- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE AGENCIES AND AGENCIES THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PLACING BARRIERS USING PUBLIC BUA, AS NECESSARY TO ENSURE SAFETY TO THE PUBLIC.
- ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPLACED TO MEET THE STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION AND QUALITY OF HIGHWAY BUILDER.
- SHOWING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART P, OR AS AMENDED.



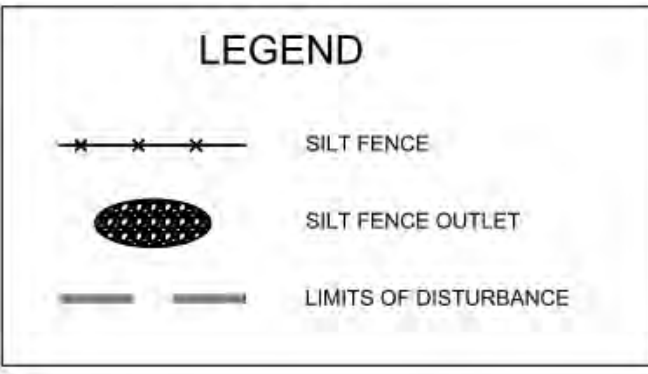
INSET A



INSET C



INSET B ALTERNATE #1



GENERAL EROSION AND SEDIMENT CONTROL NOTES:

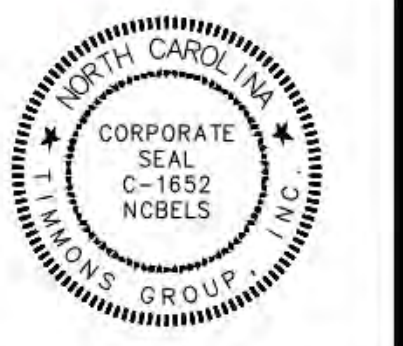
1. EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE OWNERS GEOTECHNICAL ENGINEER.
2. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NC EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPARTMENT OF AGRICULTURE, CITY OF MONROE EROSION CONTROL ORDINANCE, AND THE CITY OF MONROE LAND DEVELOPMENT STANDARDS.
3. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND FROM A SURVEY OF ABOVE GROUND FEATURES. NO WARRANTY IS GIVEN OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION. ALL EXISTING UTILITIES SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND VERIFIED PRIOR TO COMMENCING ACTIVITY ON SITE.
4. ALL ADJACENT ROADS TO THE SITE ARE TO BE SWEEPED AND WASHED AT THE END OF EACH WORK DAY TO ENSURE NO SEDIMENT COLLECTS ON THE ROADWAYS.
5. INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
6. CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES AND TO PROVIDE ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.

EROSION CONTROL CONSTRUCTION SEQUENCE

1. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE EROSION CONTROL INSPECTOR TO DISCUSS EROSION CONTROL MEASURES.
2. INSTALL SILT FENCE AS INDICATED ON PLANS, AND INLET PROTECTION DEVICES ON ALL EXISTING STORM INLETS.
3. REMOVE ALL TREES, STUMPS, ROOTS, ETC., WITHIN PROJECT WORK AREA AND HAUL OFFSITE TO AN APPROVED LANDFILL. STRIP TOPSOIL FROM SITE AND STOCKPILE TEMPORARILY IN DESIGNATED AREAS.
4. INFORM EROSION CONTROL INSPECTOR OF COMPLETION OF DEVICE INSTALLATION AND REQUEST AN INSPECTION FOR COMPLIANCE WITH STANDARDS. THE WATER QUALITY INSPECTOR WILL VERIFY THAT THE SEDIMENT TRAP IS IN WORKING ORDER.

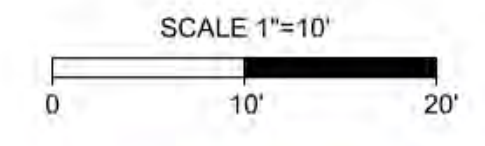
MOSELEYARCHITECTS

6210 ANDREY KELL ROAD • THE HUB AT WAVERLY, SUITE 425 • CHARLOTTE, NC 28277
 PHONE (704) 540-3765 • FAX (704) 540-3754
 MOSELEYARCHITECTS.COM



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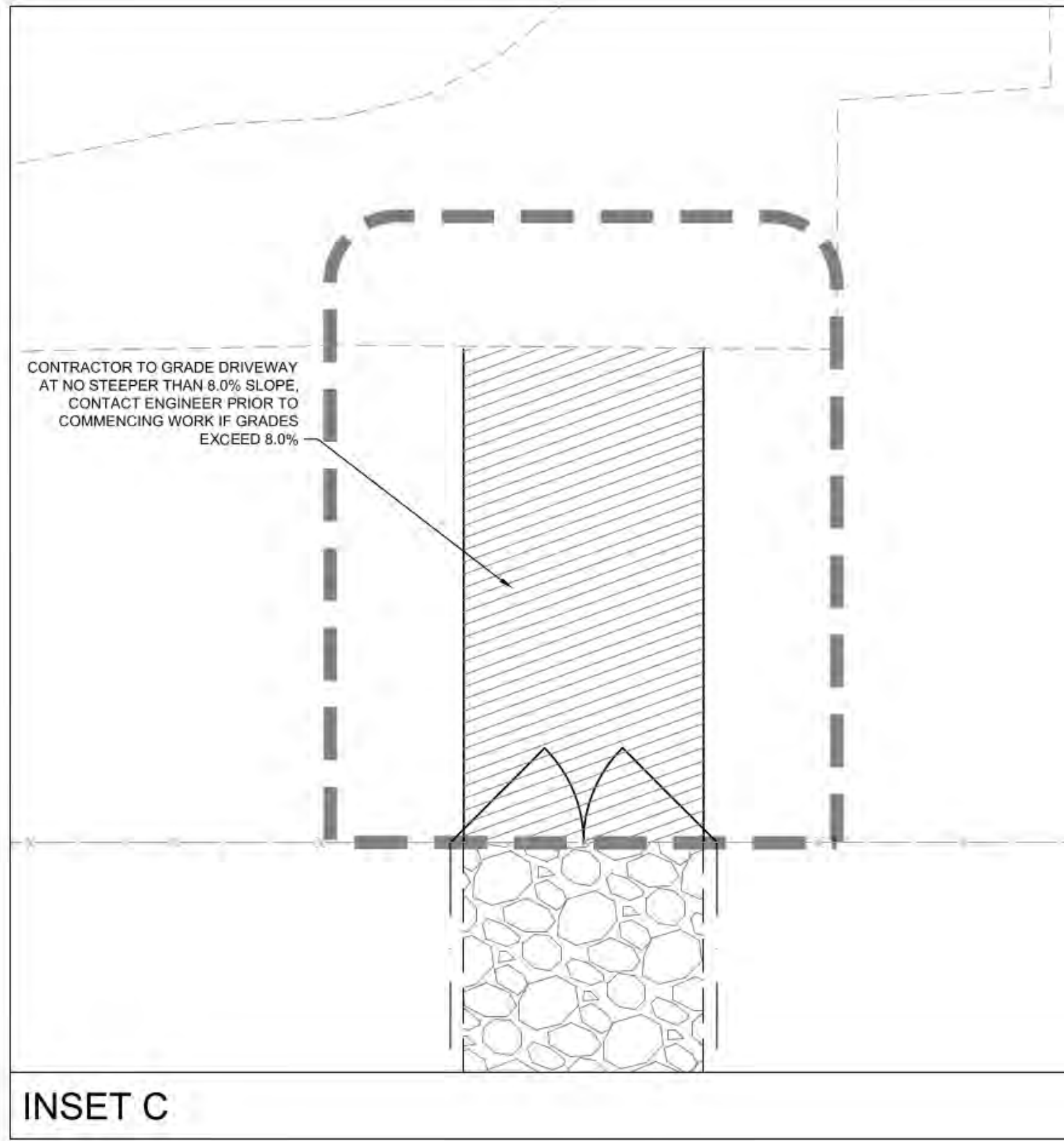
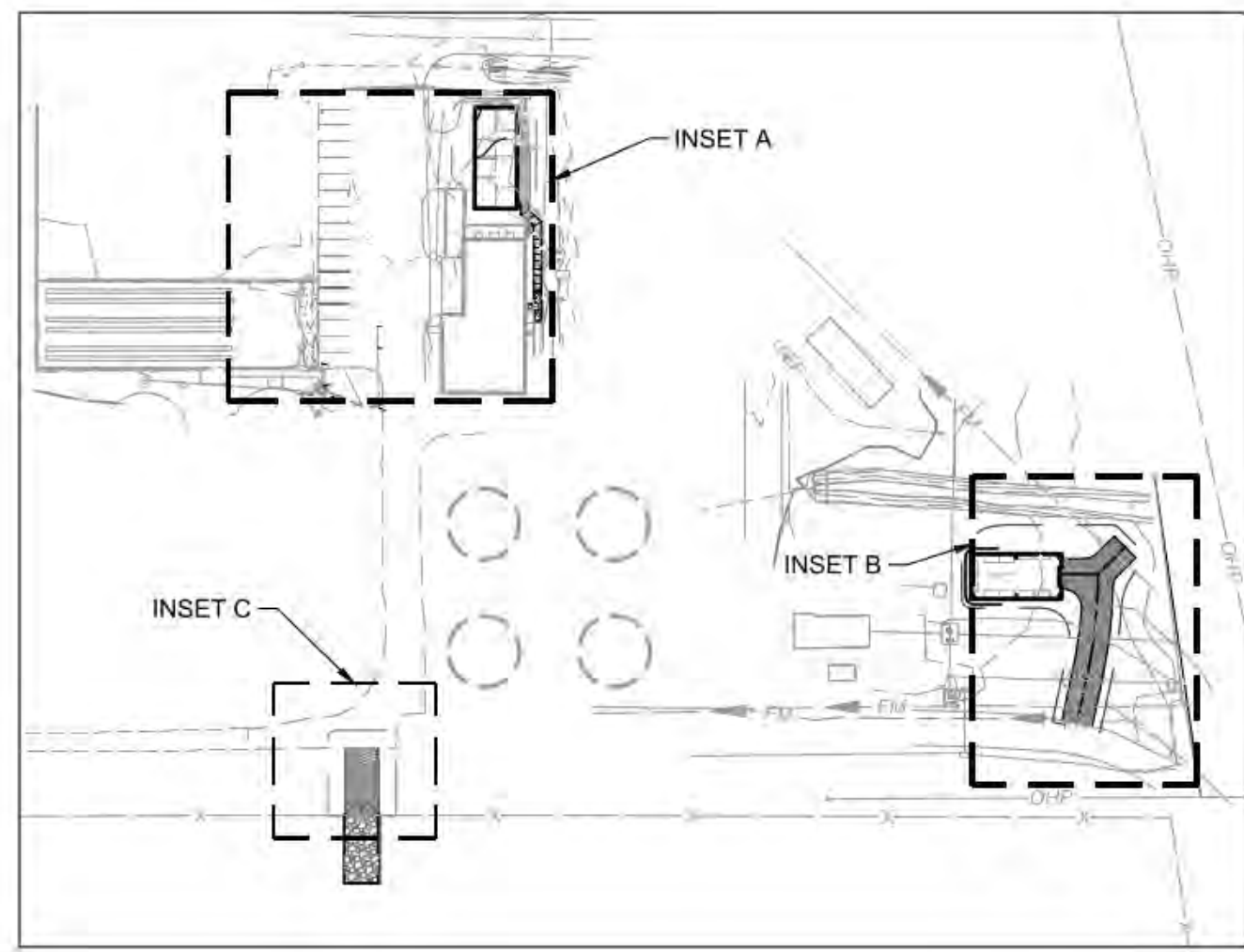
PROJECT NO:	801191
DATE:	November 18, 2021
REVISIONS	
DATE	DESCRIPTION
05/03/2023	ADDENDUM 01



1. CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND ASSURING THAT EXISTING UTILITIES ARE LOCATED PRIOR TO CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR PLACING MARKERS USING FLAGSTICKS, ETC. AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
3. ALL PAVEMENT CUTS, CONCRETE OR ASPHALT, ARE TO BE REPAIRED ACCORDING TO STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION AND ANY CITY OF MONROE, WATER DIVISION.
4. SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS THAT HAS SUPPORT "P" OR AN APPROVED.

EROSION CONTROL PLAN

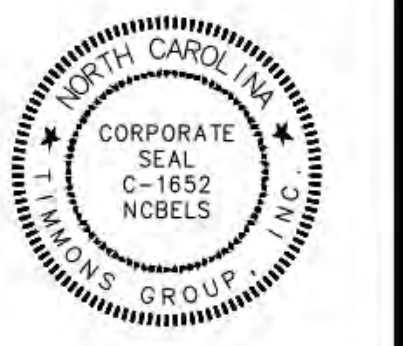
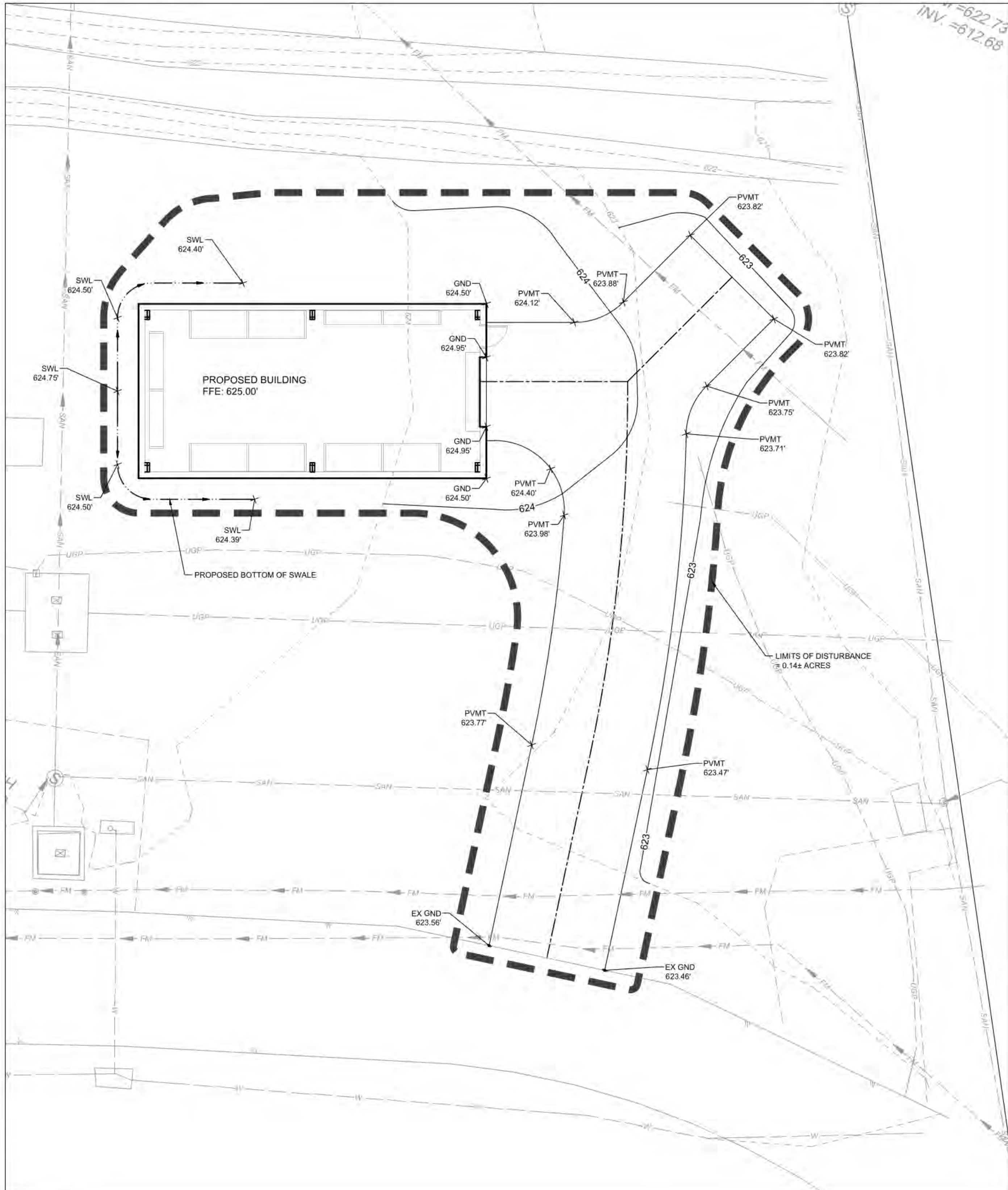
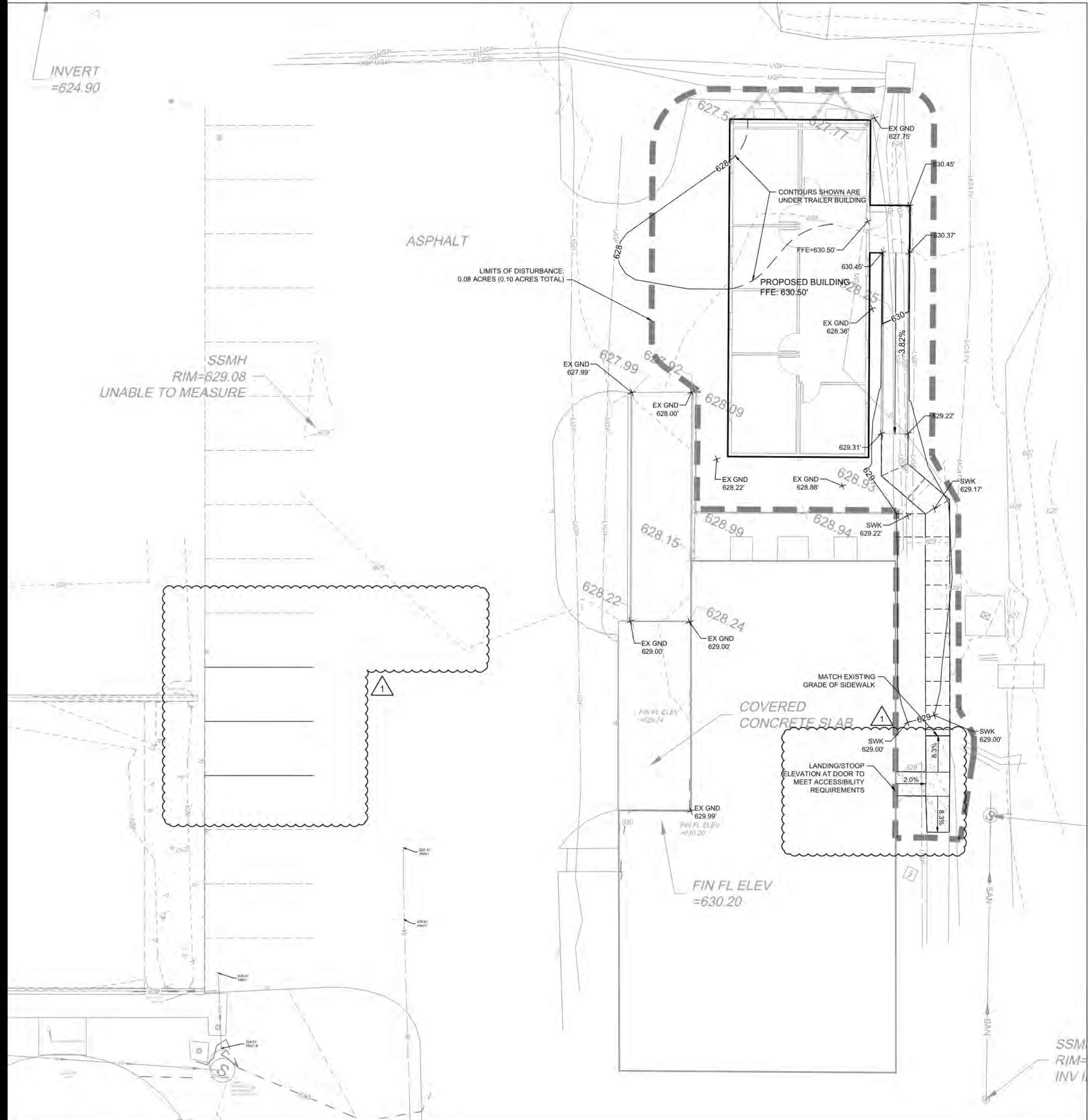
C3.0



LEGEND

SWL 623.32	SPOT ELEVATION
-2.17%	EXISTING PARKING LOT CROSS-SLOPE
---	BOTTOM OF SWALE

- GRADING NOTES**
- CONTRACTOR TO ADJUST ALL CLEANOUTS, VAULTS, METER BOXES, ETC. TO FINISHED GRADE.
 - SPOT ELEVATIONS AT HIGH AND LOW POINTS INDICATE THE GENERAL ELEVATION NEEDED FOR PROPER DRAINAGE. CONTRACTOR SHALL INSTALL CURB AND GUTTER IN THESE AREAS WITH SMOOTH VERTICAL CURVES, NOT SHARP POINTS.
 - SPOT GRADE ELEVATIONS ARE TAKEN AT FINISHED GRADE (ASPHALT, CONCRETE, TURF, ETC) UNLESS OTHERWISE NOTED.
 - EX GND = EXISTING GROUND ELEVATION
GND = PROPOSED GROUND ELEVATION
PVMT = PROPOSED PAVEMENT ELEVATION
HP = HIGH POINT
LP = LOW POINT
EP = EDGE OF PAVEMENT



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SCALE 1"=10'
 0 10' 20'



- CONTRACTOR IS FULLY RESPONSIBLE FOR CONTACTING APPROPRIATE PARTIES AND OBTAINING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PLACING MARKERS USING AUGERETS, AS NECESSARY TO INSURE SAFETY TO THE PUBLIC.
- ALL PAVEMENT CUTS (CONCRETE OR ASPHALT) ARE TO BE REPLACED ACCORDING TO STANDARDS OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION AND ARMY OF ENGINEERS, WATER AND SOILS (SPECIFICATIONS).
- SHORING WILL BE ACCORDING TO OSHA TRENCHING STANDARDS PART 1926 SUBPART F, OR AS AMENDED.

GRADING PLAN