



Chapel Hill HS Expansion

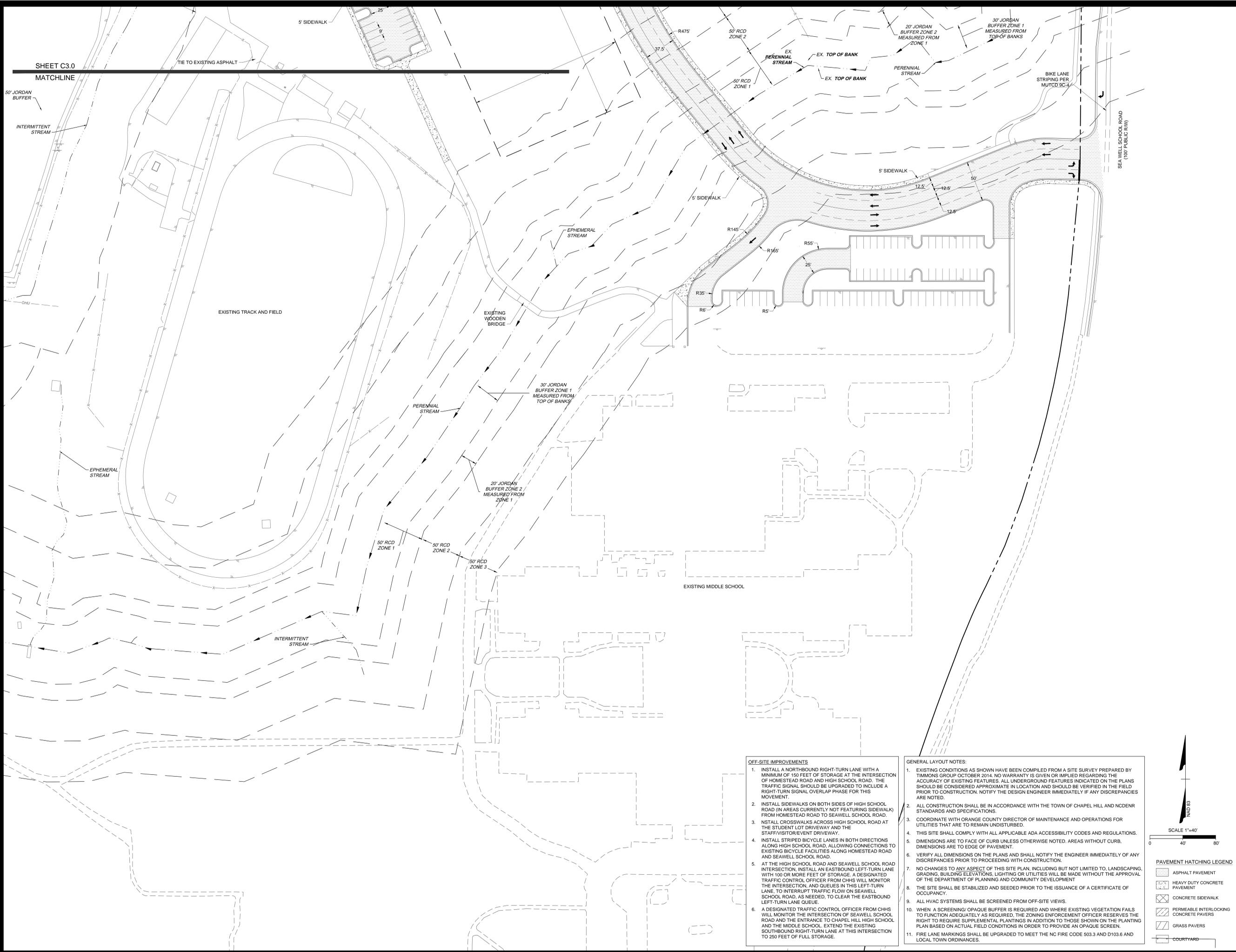
Chapel Hill-Carrboro County Schools
 1709 High School Road, Chapel Hill, NC 27516

PROJECT NO: 38753 DATE: February 02, 2018

DATE	REVISIONS DESCRIPTION
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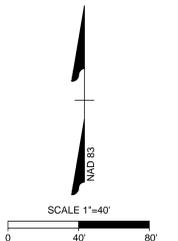
SITE PLAN

C3.1



- OFF-SITE IMPROVEMENTS**
1. INSTALL A NORTHBOUND RIGHT-TURN LANE WITH A MINIMUM OF 150 FEET OF STORAGE AT THE INTERSECTION OF HOMESTEAD ROAD AND HIGH SCHOOL ROAD. THE TRAFFIC SIGNAL SHOULD BE UPGRADED TO INCLUDE A RIGHT-TURN SIGNAL OVERLAP PHASE FOR THIS MOVEMENT.
 2. INSTALL SIDEWALKS ON BOTH SIDES OF HIGH SCHOOL ROAD (IN AREAS CURRENTLY NOT FEATURING SIDEWALK) FROM HOMESTEAD ROAD TO SEAWELL SCHOOL ROAD.
 3. INSTALL CROSSWALKS ACROSS HIGH SCHOOL ROAD AT THE STUDENT LOT DRIVEWAY AND THE STAFF/VISITOREVENT DRIVEWAY.
 4. INSTALL STRIPED BICYCLE LANES IN BOTH DIRECTIONS ALONG HIGH SCHOOL ROAD, ALLOWING CONNECTIONS TO EXISTING BICYCLE FACILITIES ALONG HOMESTEAD ROAD AND SEAWELL SCHOOL ROAD.
 5. AT THE HIGH SCHOOL ROAD AND SEAWELL SCHOOL ROAD INTERSECTION, INSTALL AN EASTBOUND LEFT-TURN LANE WITH 100 OR MORE FEET OF STORAGE. A DESIGNATED TRAFFIC CONTROL OFFICER FROM CHHS WILL MONITOR THE INTERSECTION, AND QUEUES IN THIS LEFT-TURN LANE, TO INTERRUPT TRAFFIC FLOW ON SEAWELL SCHOOL ROAD, AS NEEDED, TO CLEAR THE EASTBOUND LEFT-TURN LANE QUEUE.
 6. A DESIGNATED TRAFFIC CONTROL OFFICER FROM CHHS WILL MONITOR THE INTERSECTION OF SEAWELL SCHOOL ROAD AND THE ENTRANCE TO CHAPEL HILL HIGH SCHOOL AND THE MIDDLE SCHOOL. EXTEND THE EXISTING SOUTHBOUND RIGHT-TURN LANE AT THIS INTERSECTION TO 250 FEET OF FULL STORAGE.

- GENERAL LAYOUT NOTES:**
1. EXISTING CONDITIONS AS SHOWN HAVE BEEN COMPILED FROM A SITE SURVEY PREPARED BY TIMMONS GROUP OCTOBER 2014. NO WARRANTY IS GIVEN OR IMPLIED REGARDING THE ACCURACY OF EXISTING FEATURES. ALL UNDERGROUND FEATURES INDICATED ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE NOTED.
 2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF CHAPEL HILL AND NCDENR STANDARDS AND SPECIFICATIONS.
 3. COORDINATE WITH ORANGE COUNTY DIRECTOR OF MAINTENANCE AND OPERATIONS FOR UTILITIES THAT ARE TO REMAIN UNDISTURBED.
 4. THIS SITE SHALL COMPLY WITH ALL APPLICABLE ADA ACCESSIBILITY CODES AND REGULATIONS.
 5. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED. AREAS WITHOUT CURB, DIMENSIONS ARE TO EDGE OF PAVEMENT.
 6. VERIFY ALL DIMENSIONS ON THE PLANS AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION.
 7. NO CHANGES TO ANY ASPECT OF THIS SITE PLAN, INCLUDING BUT NOT LIMITED TO, LANDSCAPING, GRADING, BUILDING ELEVATIONS, LIGHTING OR UTILITIES WILL BE MADE WITHOUT THE APPROVAL OF THE DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT.
 8. THE SITE SHALL BE STABILIZED AND SEEDDED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
 9. ALL HVAC SYSTEMS SHALL BE SCREENED FROM OFF-SITE VIEWS.
 10. WHEN A SCREENING/ OPAQUE BUFFER IS REQUIRED AND WHERE EXISTING VEGETATION FAILS TO FUNCTION ADEQUATELY AS REQUIRED, THE ZONING ENFORCEMENT OFFICER RESERVES THE RIGHT TO REQUIRE SUPPLEMENTAL PLANTINGS IN ADDITION TO THOSE SHOWN ON THE PLANTING PLAN BASED ON ACTUAL FIELD CONDITIONS IN ORDER TO PROVIDE AN OPAQUE SCREEN.
 11. FIRE LANE MARKINGS SHALL BE UPGRADED TO MEET THE NC FIRE CODE 503.3 AND D103.6 AND LOCAL TOWN ORDINANCES.



PAVEMENT HATCHING LEGEND

[Hatched pattern]	ASPHALT PAVEMENT
[Hatched pattern]	HEAVY DUTY CONCRETE PAVEMENT
[Hatched pattern]	CONCRETE SIDEWALK
[Hatched pattern]	PERMEABLE INTERLOCKING CONCRETE PAVERS
[Hatched pattern]	GRASS PAVERS
[Hatched pattern]	COURTYARD

SHEET C3.0

TIE TO EXISTING ASPHALT

MATCHLINE



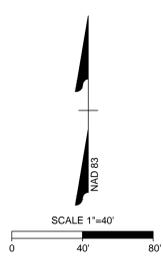
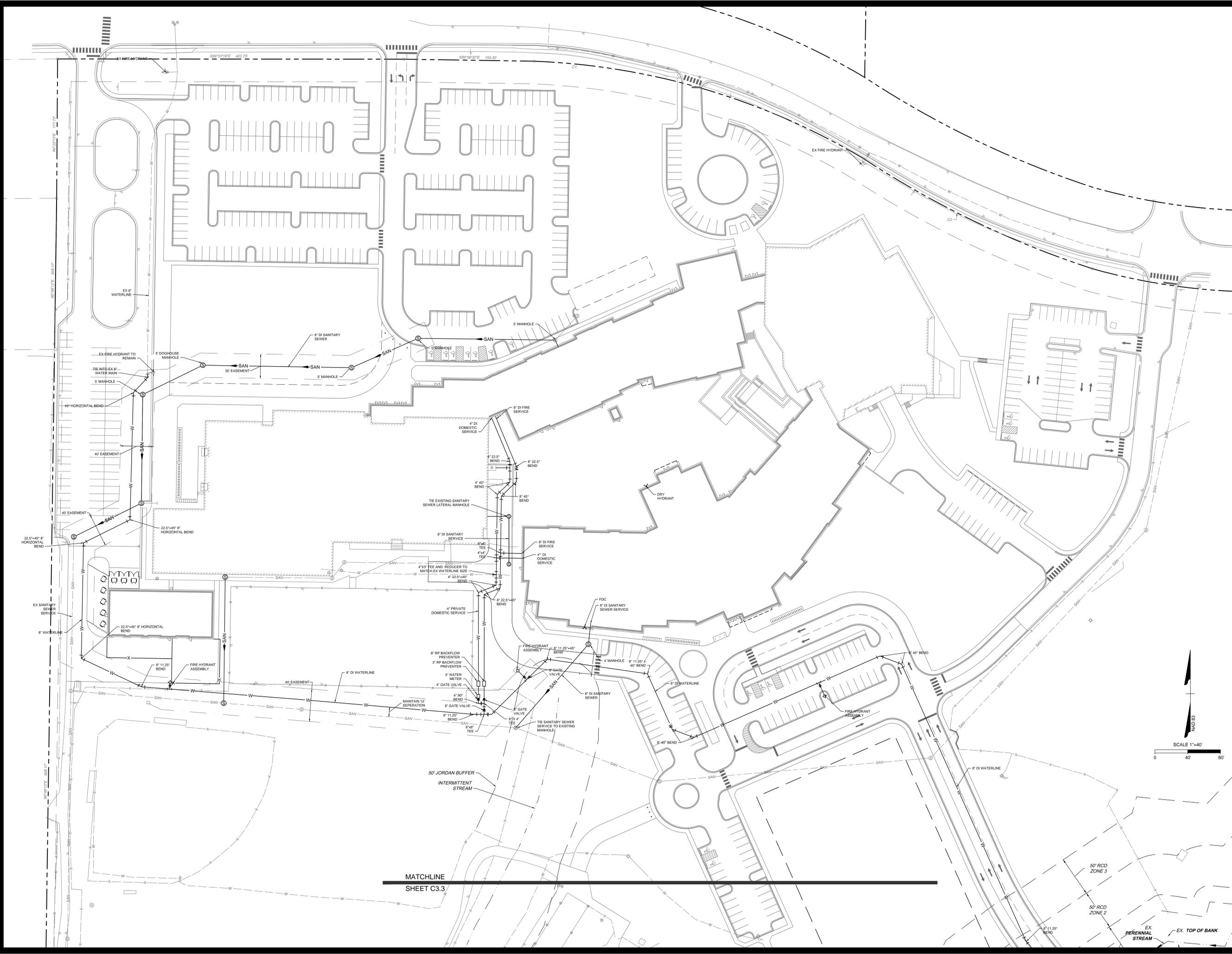
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 Chapel Hill-Carrboro County Schools
 1709 High School Road, Chapel Hill, NC 27516

PROJECT NO: 38753 DATE: February 02, 2018

DATE	REVISIONS	DESCRIPTION

UTILITY PLAN

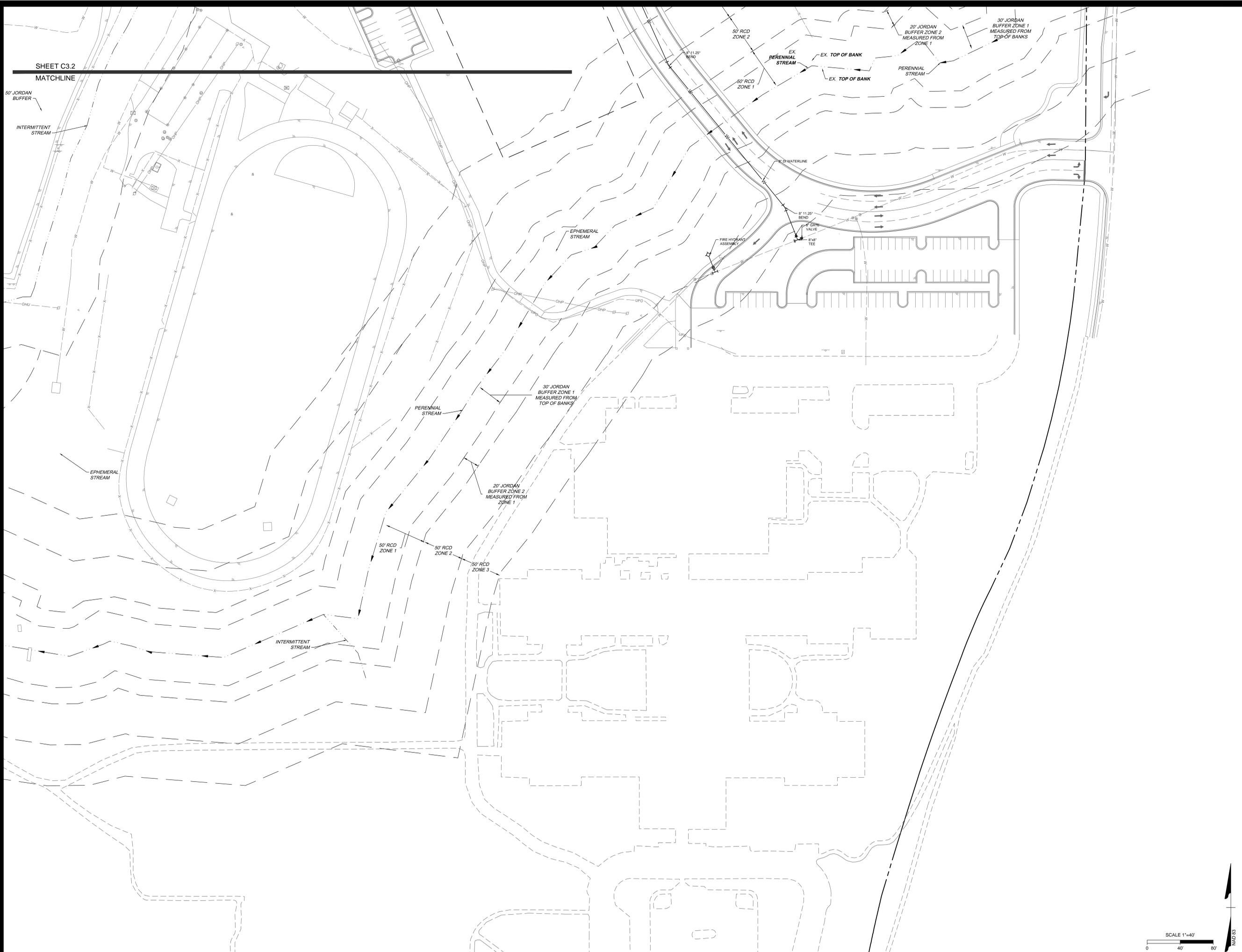
C3.2



MATCHLINE
 SHEET C3.3

SHEET C3.2

MATCHLINE



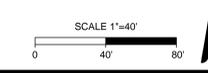
MOSELEYARCHITECTS
 3000 RDU CENTER DRIVE, SUITE 217, MORRISVILLE, NORTH CAROLINA 27560
 PHONE (919) 840-0091 FAX (919) 840-0045
 MOSELEYARCHITECTS.COM



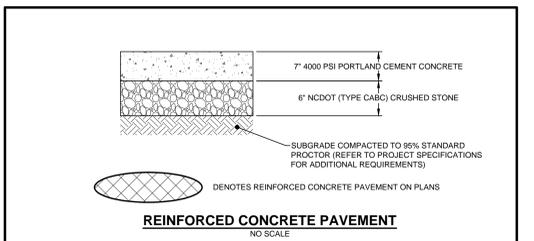
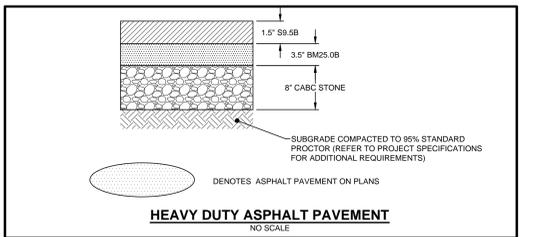
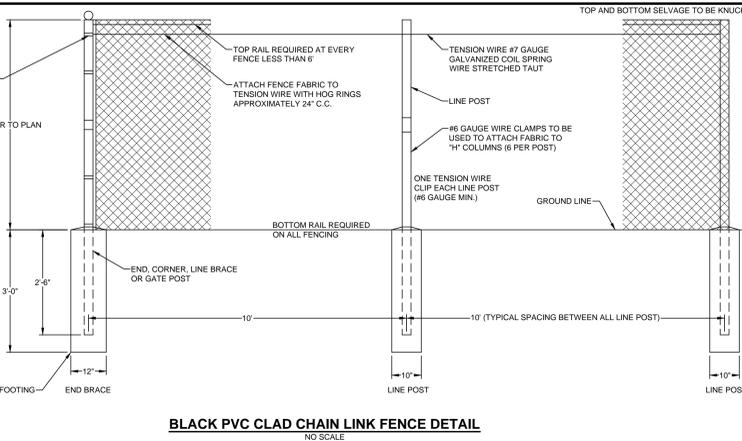
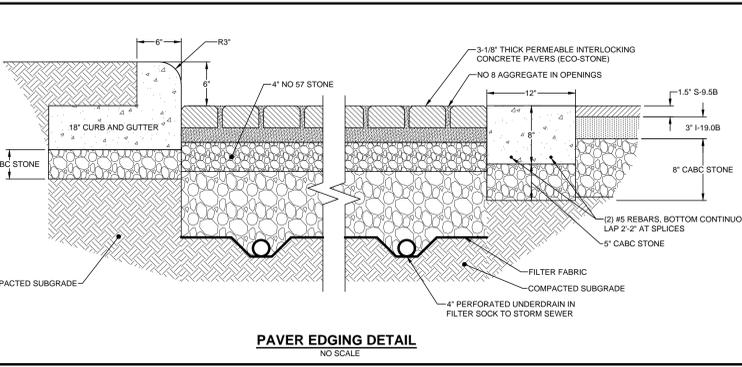
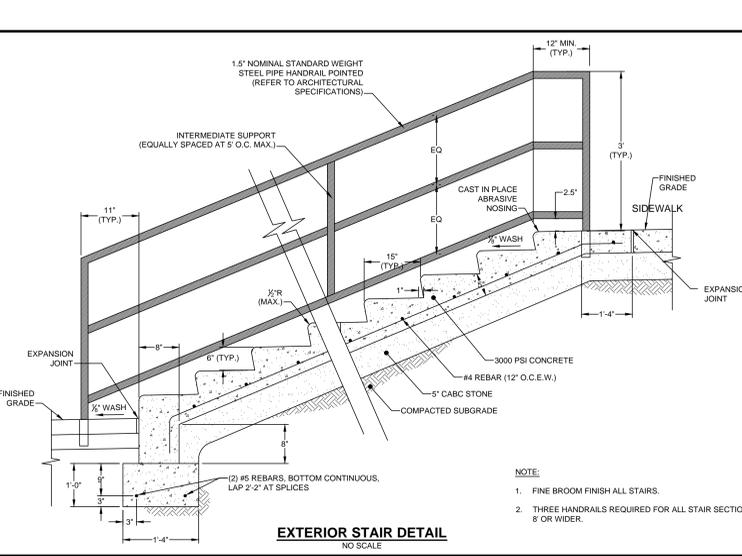
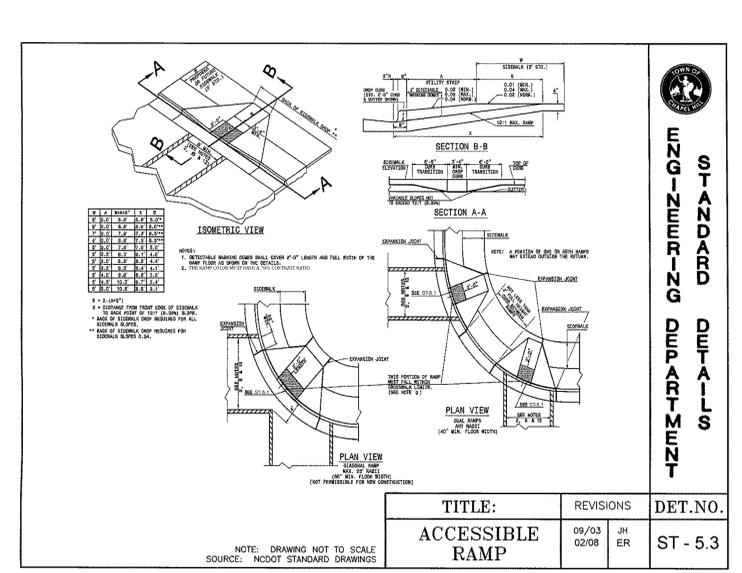
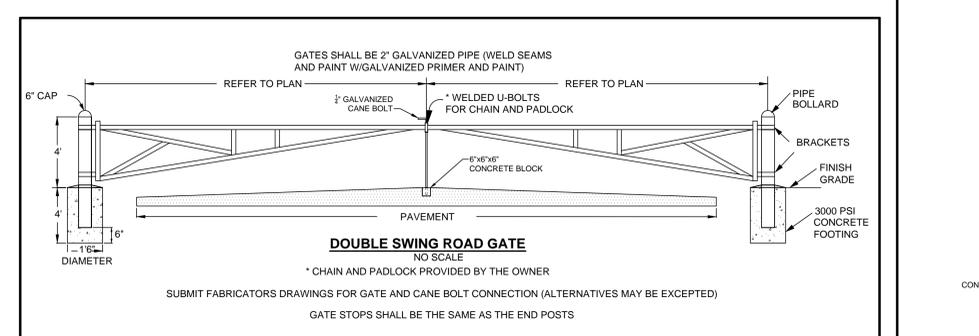
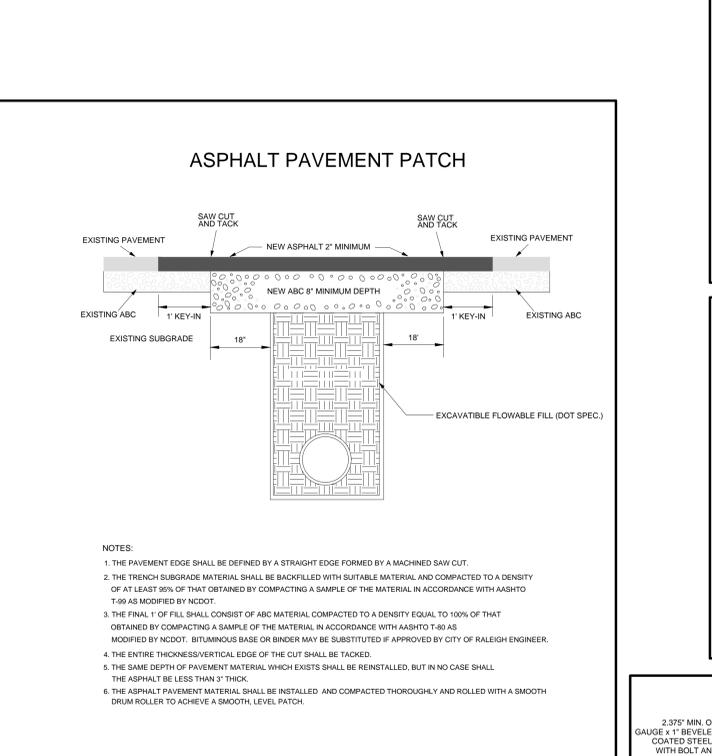
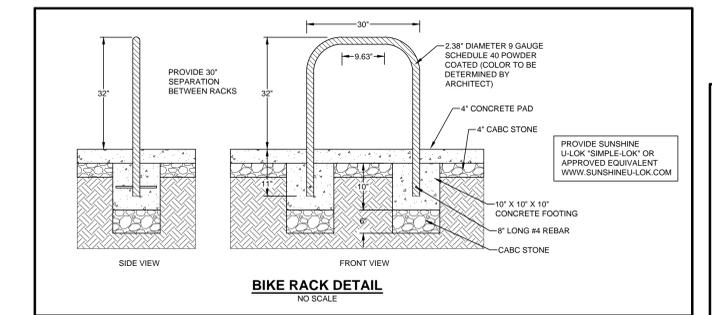
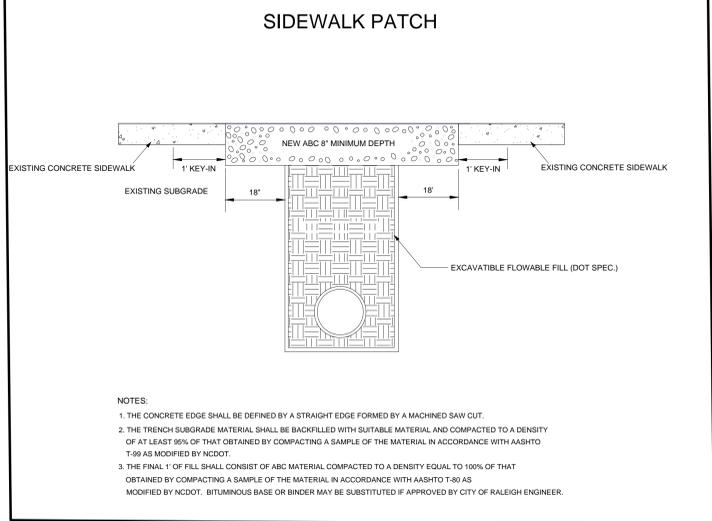
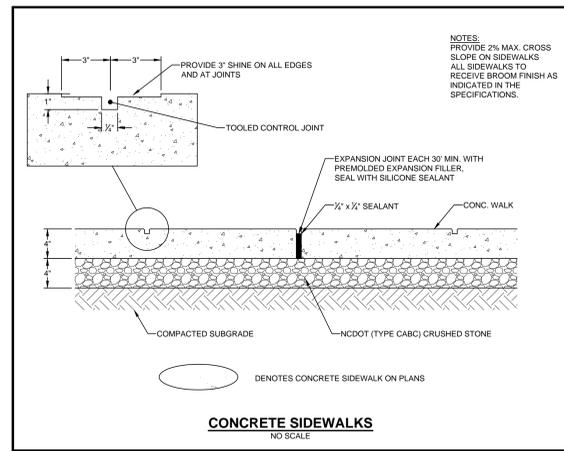
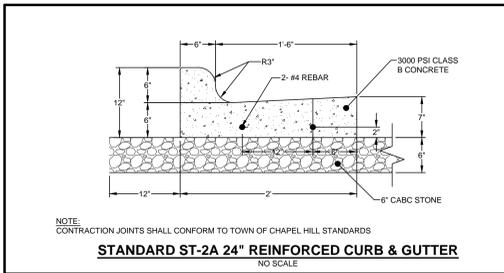
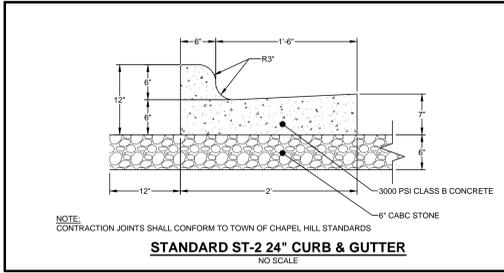
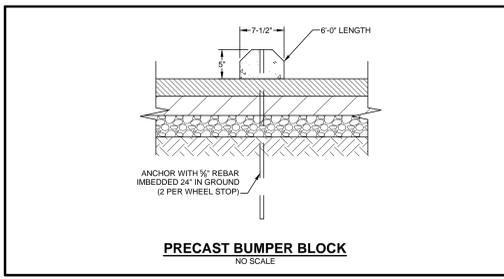
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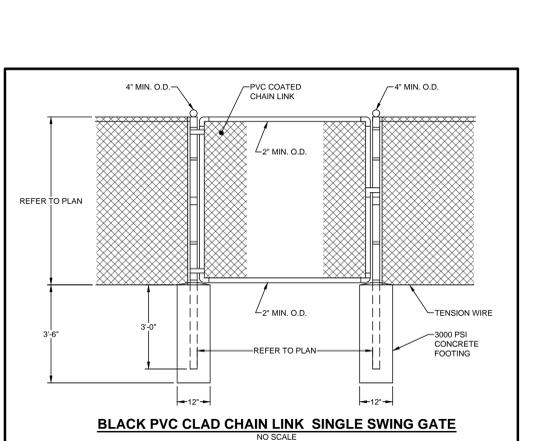
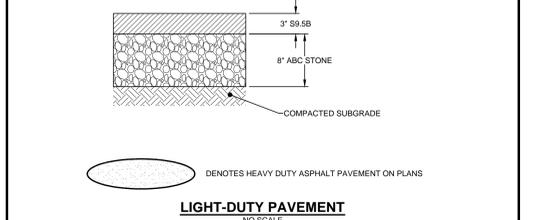
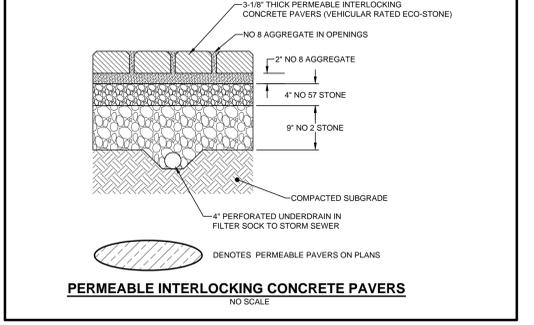
PROJECT NO:	DATE:
38753	February 02, 2018
REVISIONS	
DATE	DESCRIPTION



UTILITY PLAN
C3.3

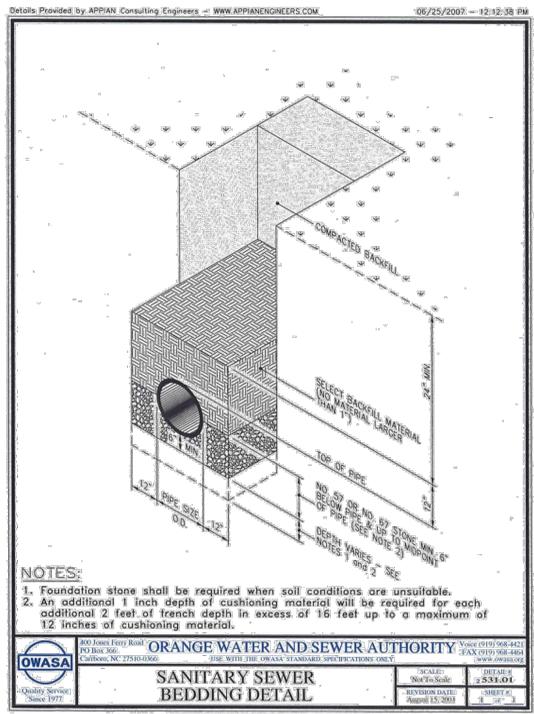


PAVEMENT SECTIONS BASED ON GEOTECHNICAL REPORT PREPARED BY TIMMONS GROUP. REPORT OF SUBSURFACE EXPLORATION AND GEOTECHNICAL ENGINEERING EVALUATION - CHAPEL HILL-CARBORO CITY SCHOOLS PROJECT CHAPEL HILL HS, CHAPEL HILL, ORANGE COUNTY, NORTH CAROLINA.



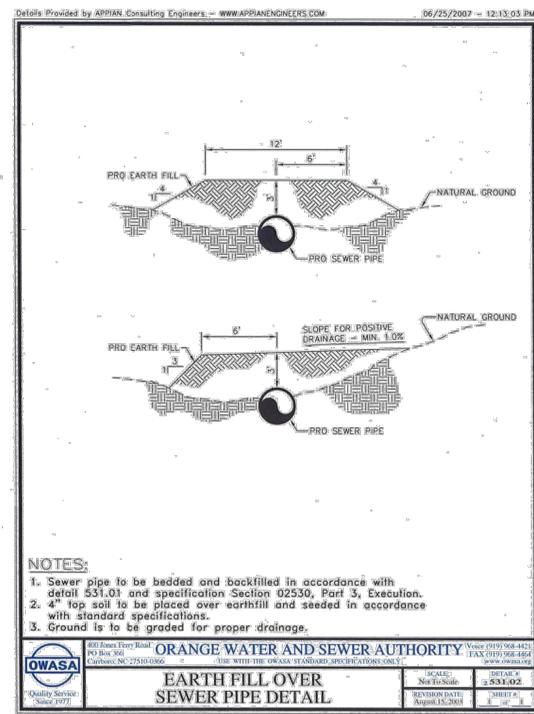
Chapel Hill HS Expansion
CHAPEL HILL-CARBORO COUNTY SCHOOLS
1709 HIGH SCHOOL ROAD, CHAPEL HILL, NC 27516

PROJECT NO.	DATE
38753	MAY 25, 2017
REVISIONS	DESCRIPTION



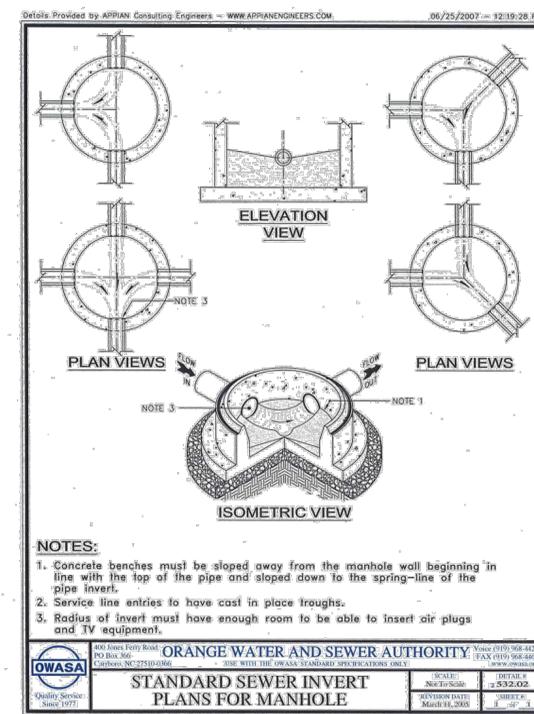
NOTES:
 1. Foundation stone shall be required when soil conditions are unsuitable.
 2. An additional 1 inch depth of cushioning material will be required for each additional 2 feet of trench depth in excess of 16 feet up to a maximum of 12 inches of cushioning material.

ORANGE WATER AND SEWER AUTHORITY
 SANITARY SEWER BEDDING DETAIL
 SCALE: Not To Scale
 SHEET: 2-531.01



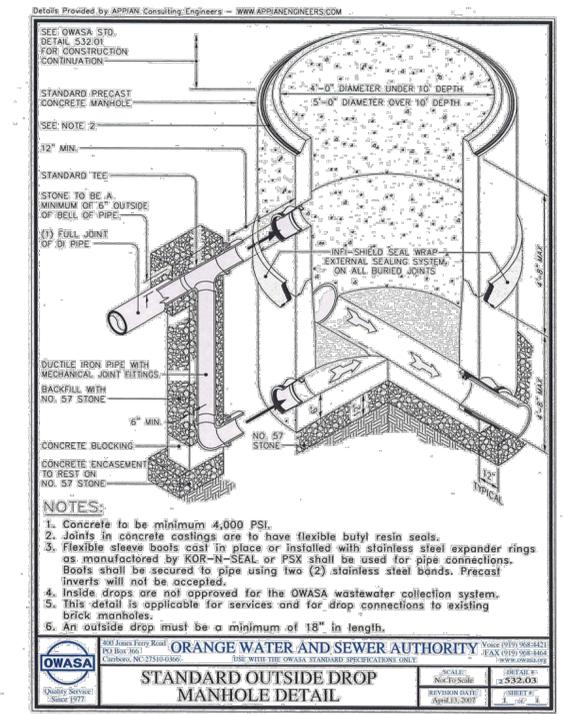
NOTES:
 1. Sewer pipe to be bedded and backfilled in accordance with detail 531.01 and specification Section 02530, Part 3, Execution.
 2. 4" top soil to be placed over earthfill and seeded in accordance with standard specifications.
 3. Ground is to be graded for proper drainage.

ORANGE WATER AND SEWER AUTHORITY
 EARTH FILL OVER SEWER PIPE DETAIL
 SCALE: Not To Scale
 SHEET: 2-531.02



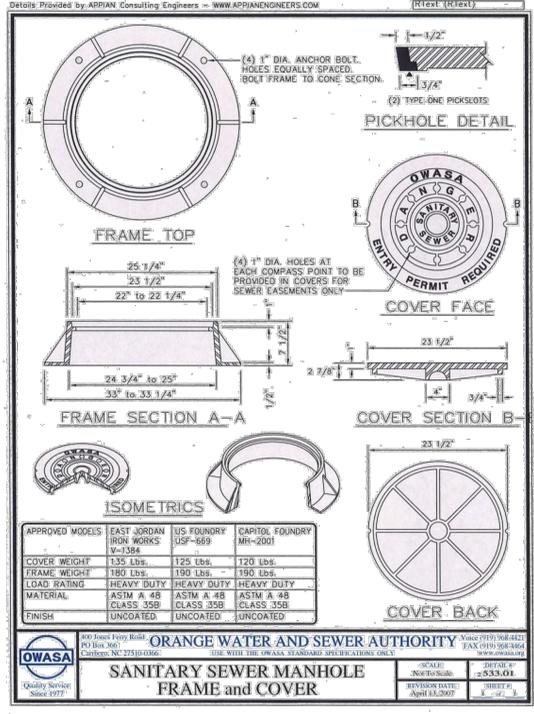
NOTES:
 1. Concrete benches must be sloped away from the manhole wall beginning in line with the top of the pipe and sloped down to the spring-line of the pipe invert.
 2. Service line entries to have cast in place troughs.
 3. Radius of invert must have enough room to be able to insert air plugs and TV equipment.

ORANGE WATER AND SEWER AUTHORITY
 STANDARD SEWER INVERT PLANS FOR MANHOLE
 SCALE: Not To Scale
 SHEET: 2-532.02



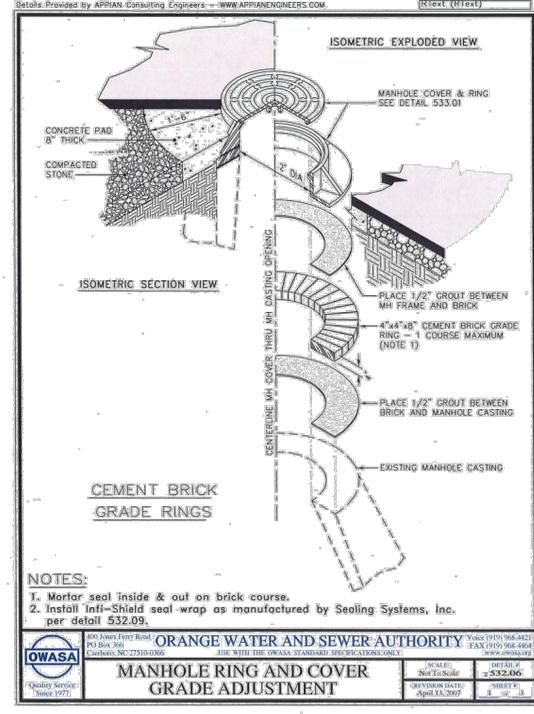
NOTES:
 1. Concrete to be minimum 4,000 PSI.
 2. Joints in concrete castings are to have flexible butyl resin seals.
 3. Flexible sleeve boots cast in place or installed with stainless steel expander rings as manufactured by KOR-N-SEAL or PSX shall be used for pipe connections. Boots shall be secured to pipe using two (2) stainless steel bands. Precast inverts will not be accepted.
 4. Inside drops are not approved for the OWASA wastewater collection system.
 5. This detail is applicable for services and for drop connections to existing brick manholes.
 6. An outside drop must be a minimum of 18" in length.

ORANGE WATER AND SEWER AUTHORITY
 STANDARD OUTSIDE DROP MANHOLE DETAIL
 SCALE: Not To Scale
 SHEET: 2-532.03



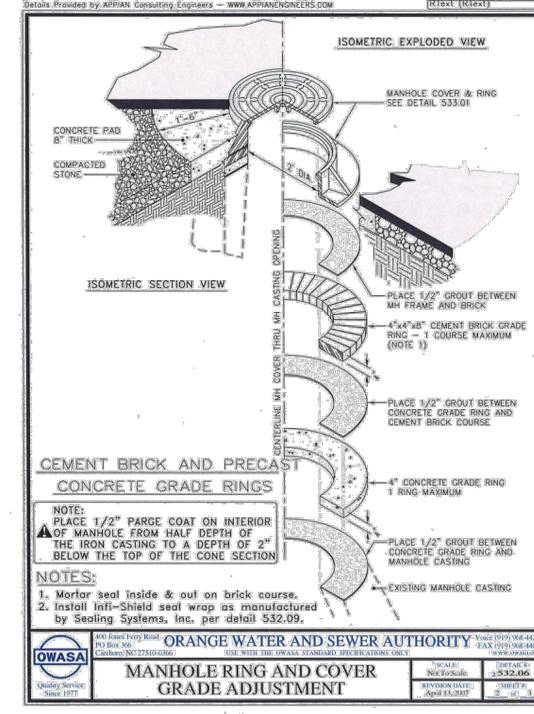
NOTES:
 1. Mortar seal inside & out on brick course.
 2. Install Infi-Shield seal wrap as manufactured by Sealing Systems, Inc. per detail 532.09.

ORANGE WATER AND SEWER AUTHORITY
 SANITARY SEWER MANHOLE FRAME and COVER
 SCALE: Not To Scale
 SHEET: 2-533.01



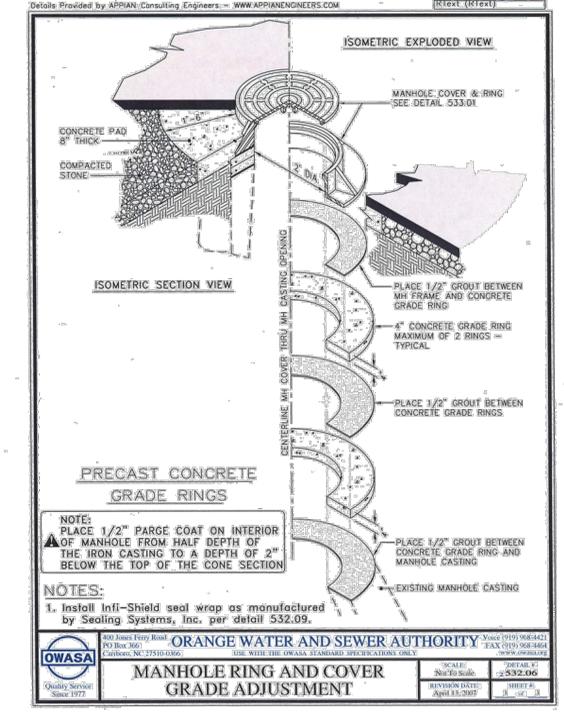
NOTES:
 1. Mortar seal inside & out on brick course.
 2. Install Infi-Shield seal wrap as manufactured by Sealing Systems, Inc. per detail 532.09.

ORANGE WATER AND SEWER AUTHORITY
 MANHOLE RING AND COVER GRADE ADJUSTMENT
 SCALE: Not To Scale
 SHEET: 2-532.06



NOTES:
 1. Mortar seal inside & out on brick course.
 2. Install Infi-Shield seal wrap as manufactured by Sealing Systems, Inc. per detail 532.09.

ORANGE WATER AND SEWER AUTHORITY
 MANHOLE RING AND COVER GRADE ADJUSTMENT
 SCALE: Not To Scale
 SHEET: 2-532.06



NOTES:
 1. Mortar seal inside & out on brick course.
 2. Install Infi-Shield seal wrap as manufactured by Sealing Systems, Inc. per detail 532.09.

ORANGE WATER AND SEWER AUTHORITY
 MANHOLE RING AND COVER GRADE ADJUSTMENT
 SCALE: Not To Scale
 SHEET: 2-532.06



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Chapel Hill HS Expansion
 CHAPEL HILL-CARBORO COUNTY SCHOOLS
 1709 HIGH SCHOOL ROAD, CHAPEL HILL, NC 27516

PROJECT NO: 38753 DATE: MAY 25, 2017

DATE	REVISIONS	DESCRIPTION

