

REVISIONS		
No.	Date	Description

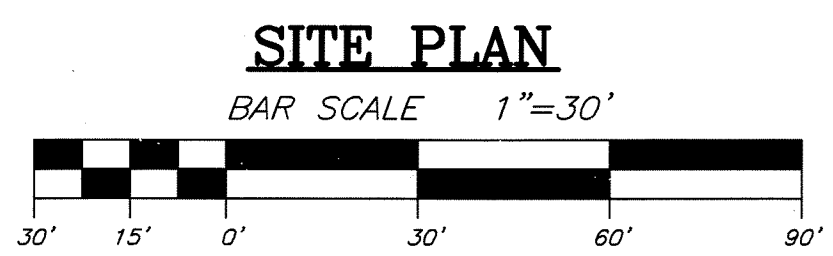
- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: ABINTO CORPORATION
 - SITE ADDRESS OF THE DEVELOPMENT: 3333 JAECKLE DRIVE
 - PROPERTY OWNER: ABINTO CORPORATION
 - DEVELOPER: ABINTO CORPORATION
 - PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R05505-004-026-000
 - PROPERTY ZONING: O&I-1; OFFICE AND INSTITUTIONAL DISTRICT
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: SEE PLAN
 - SOIL: Be; BAYMEADE FINE SAND AND JO; JOHNSTON
 - CAMA AEC: N/A
 - CAMA LAND CLASSIFICATION: URBAN
 - CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 - HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 - CEMETERIES, BURIAL SITES/GROUNDS: N/A
 - FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 - WETLANDS: NONE
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN
 - THERE ARE NO EXISTING TREES ON SITE

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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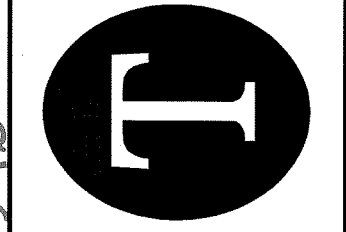
STORMWATER MANAGEMENT PLAN
 APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____

Approved Construction Plan
 Name _____ Date _____
 Planning _____
 Traffic _____
 Fire _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

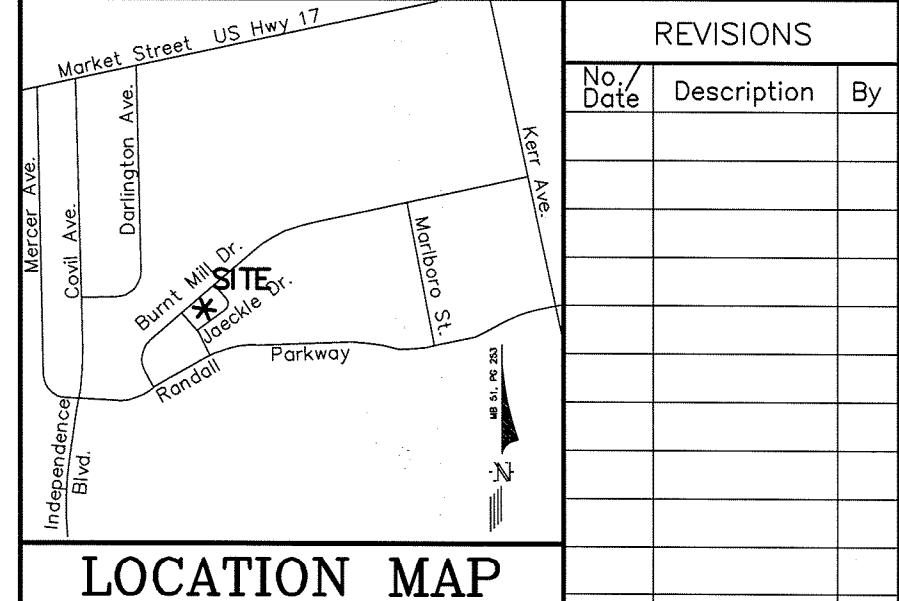
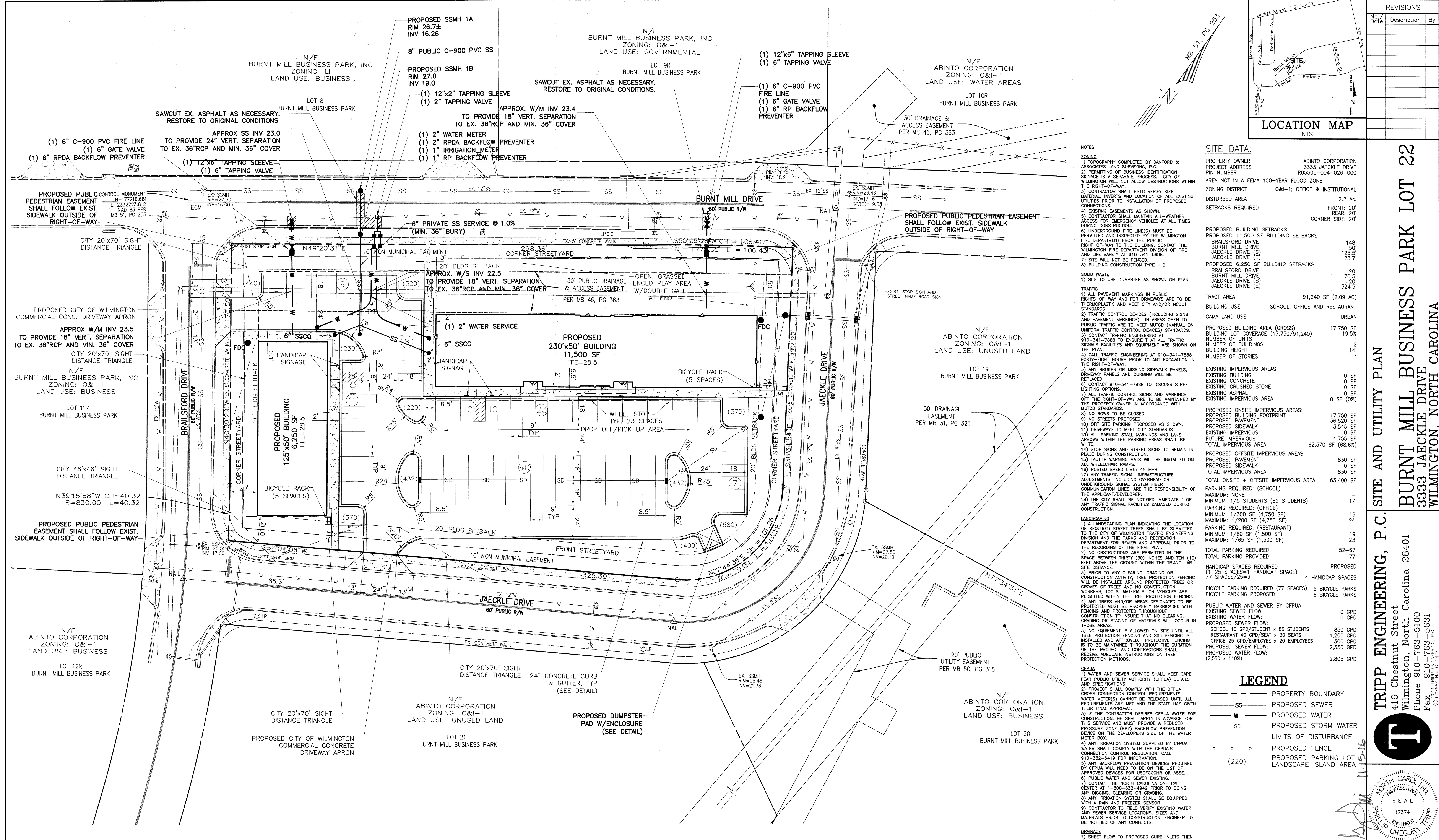


- LEGEND**
- PROPERTY BOUNDARY
 - - - EXISTING CONTOUR
 - +26.9' EXISTING SPOT ELEVATION
 - X-X-X EXISTING CURB TO BE REMOVED



DATE 11-15-16
 DESIGN PGT
 DRAWN MLV

C1
 SHEET 1 OF 5
 16028



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SITE DATA:

PROPERTY OWNER	ABINTO CORPORATION
PROJECT ADDRESS	3333 JAECKLE DRIVE
PIN NUMBER	RO5505-004-026-000
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE	
ZONING DISTRICT	O&I-1; OFFICE & INSTITUTIONAL
DISTURBED AREA	2.2 ac
SETBACKS REQUIRED	FRONT: 20' REAR: 20' CORNER SIDE: 20'

PROPOSED BUILDING SETBACKS

PROPOSED 11,500 SF BUILDING SETBACKS	
BRAILSFORD DRIVE	148'
BURNT MILL DRIVE	30'
JAECKLE DRIVE (S)	125.5'
JAECKLE DRIVE (E)	23.7'
PROPOSED 6,250 SF BUILDING SETBACKS	
BRAILSFORD DRIVE	20'
BURNT MILL DRIVE	70.5'
JAECKLE DRIVE (S)	20'
JAECKLE DRIVE (E)	324.5'

TRACT AREA

TRACT AREA	91,240 SF (2.09 AC)
BUILDING USE	SCHOOL, OFFICE AND RESTAURANT
CAMA LAND USE	URBAN
PROPOSED BUILDING AREA (GROSS)	17,750 SF
BUILDING LOT COVERAGE (17,750/91,240)	19.5%
NUMBER OF UNITS	2
NUMBER OF BUILDINGS	2
BUILDING HEIGHT	14'
NUMBER OF STORIES	1

EXISTING IMPERVIOUS AREAS:

EXISTING BUILDING	0 SF
EXISTING CONCRETE	0 SF
EXISTING CRUSHED STONE	0 SF
EXISTING ASPHALT	0 SF
EXISTING IMPERVIOUS AREA	0 SF (0%)

PROPOSED ONSITE IMPERVIOUS AREAS:

PROPOSED BUILDING FOOTPRINT	17,750 SF
PROPOSED PAVEMENT	36,520 SF
PROPOSED SIDEWALK	3,545 SF
EXISTING IMPERVIOUS	0 SF
FUTURE IMPERVIOUS	4,755 SF
TOTAL IMPERVIOUS AREA	62,570 SF (68.6%)

PROPOSED OFFSITE IMPERVIOUS AREAS:

PROPOSED PAVEMENT	830 SF
PROPOSED SIDEWALK	0 SF
TOTAL IMPERVIOUS AREA	830 SF
TOTAL ONSITE + OFFSITE IMPERVIOUS AREA	63,400 SF

PARKING REQUIRED:

(SCHOOL)	1
MAXIMUM: NONE	1
MINIMUM: 1/5 STUDENTS (85 STUDENTS)	17
PARKING REQUIRED: (OFFICE)	17
MINIMUM: 1/300 SF (4,750 SF)	16
MAXIMUM: 1/200 SF (4,750 SF)	24
PARKING REQUIRED: (RESTAURANT)	23
MINIMUM: 1/80 SF (1,500 SF)	19
MAXIMUM: 1/65 SF (1,500 SF)	23
TOTAL PARKING PROVIDED:	52-67
TOTAL PARKING REQUIRED:	77

HANDICAP SPACES REQUIRED

(1-25 SPACES=1 HANDICAP SPACE)	PROPOSED
77 SPACES/25=3	4 HANDICAP SPACES
BICYCLE PARKING REQUIRED (77 SPACES)	5 BICYCLE SPACES
BICYCLE PARKING PROVIDED	5 BICYCLE SPACES

PUBLIC WATER AND SEWER BY CFPWA

EXISTING SEWER FLOW:	0 GPD
EXISTING WATER FLOW:	0 GPD
PROPOSED SEWER FLOW:	850 GPD
SCHOOL 10 GPD/STUDENT x 85 STUDENTS	1,200 GPD
RESTAURANT 40 GPD/SEAT x 30 SEATS	1,200 GPD
OFFICE 25 GPD/EMPLOYEE x 20 EMPLOYEES	500 GPD
PROPOSED SEWER FLOW:	2,550 GPD
PROPOSED WATER FLOW:	2,550 GPD
(2,550 x 110%)	2,805 GPD

LEGEND

---	PROPERTY BOUNDARY
SS	PROPOSED SEWER
W	PROPOSED WATER
SD	PROPOSED STORM WATER
---	LIMITS OF DISTURBANCE
○	PROPOSED FENCE
(220)	PROPOSED PARKING LOT LANDSCAPE ISLAND AREA

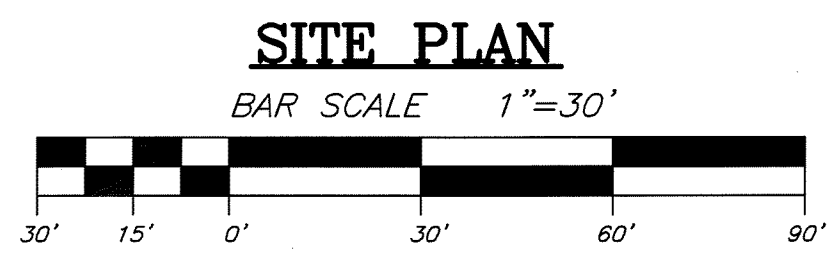
- NOTES:**
- 1) TOPOGRAPHY COMPLETED BY DANFORD & ASSOCIATES AND SURVEYING.
 - 2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
 - 3) CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - 4) EXISTING EASEMENTS AS SHOWN.
 - 5) CONTRACTOR SHALL MAINTAIN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 - 6) UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-341-0696.
 - 7) SITE WILL NOT BE FENCED.
 - 8) BUILDING CONSTRUCTION TYPE II B.
- SOLID WASTE**
- 1) SITE TO USE DUMPSTER AS SHOWN ON PLAN.
- TRAFFIC**
- 1) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - 2) TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 - 3) CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNALS, FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
 - 4) CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
 - 5) ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
 - 6) CONTACT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 - 7) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - 8) NO ROWS TO BE CLOSED.
 - 9) NO STREETS PROPOSED.
 - 10) SITE PARKING PROPOSED AS SHOWN.
 - 11) DRIVEWAYS TO MEET CITY STANDARDS.
 - 12) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - 13) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
 - 14) TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
 - 15) POSTED SPEED LIMIT: 45 MPH
 - 16) ANY TRAFFIC SIGNAL INFRASTRUCTURE ADJUSTMENTS, INCLUDING OVERHEAD CABLES, UNDERGROUND SIGNAL SYSTEM FIBER COMMUNICATION LINES, ARE THE RESPONSIBILITY OF THE APPLICANT/DEVELOPER.
 - 17) THE CITY SHALL BE NOTIFIED IMMEDIATELY OF ANY TRAFFIC SIGNAL FACILITIES DAMAGED DURING CONSTRUCTION.
- LANDSCAPING**
- 1) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND THE PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDINGS OF THE FINAL PLAN.
 - 2) NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE TRIANGULAR SITE DISTANCE.
 - 3) PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 - 4) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
 - 5) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.
- GENERAL**
- 1) WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
 - 2) PROJECT SHALL COMPLY WITH THE CFPWA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METERS CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL.
 - 3) IF THE CONTRACTOR DESIRES CFPWA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
 - 4) ANY IRRIGATION SYSTEM SUPPLIED BY CFPWA WATER SHALL COMPLY WITH THE CFPWA'S CONNECTION CONTROL REGULATIONS CALL 910-332-8419 FOR INFORMATION.
 - 5) ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPWA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES FOR USDFCOCHR OR ASSE.
 - 6) PUBLIC WATER AND SEWER EXISTING.
 - 7) CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.
 - 8) ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.
 - 9) CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- DRAINAGE**
- 1) SHEET FLOW TO PROPOSED CURB INLETS THEN TO EXISTING STORM DRAIN PIPE SYSTEM THEN TO EXISTING OFF-SITE STORMWATER POND. NCDENR STORMWATER PERMIT NO. SWB 080509 CITY OF WILM DISCHARGE PERMIT NO. 2008023

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan

Name	Date
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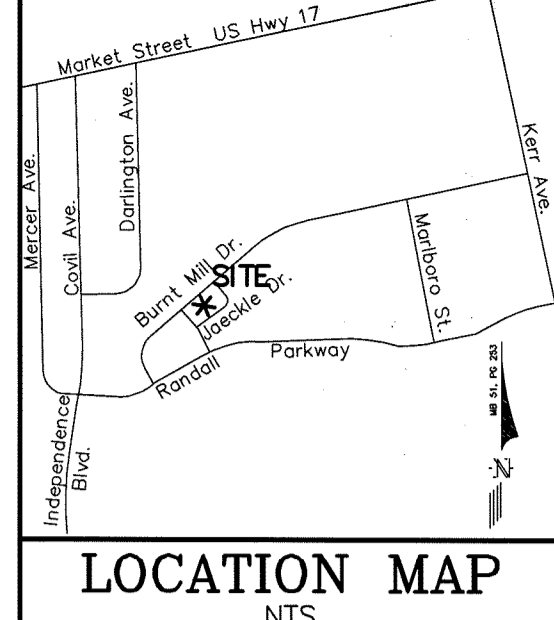
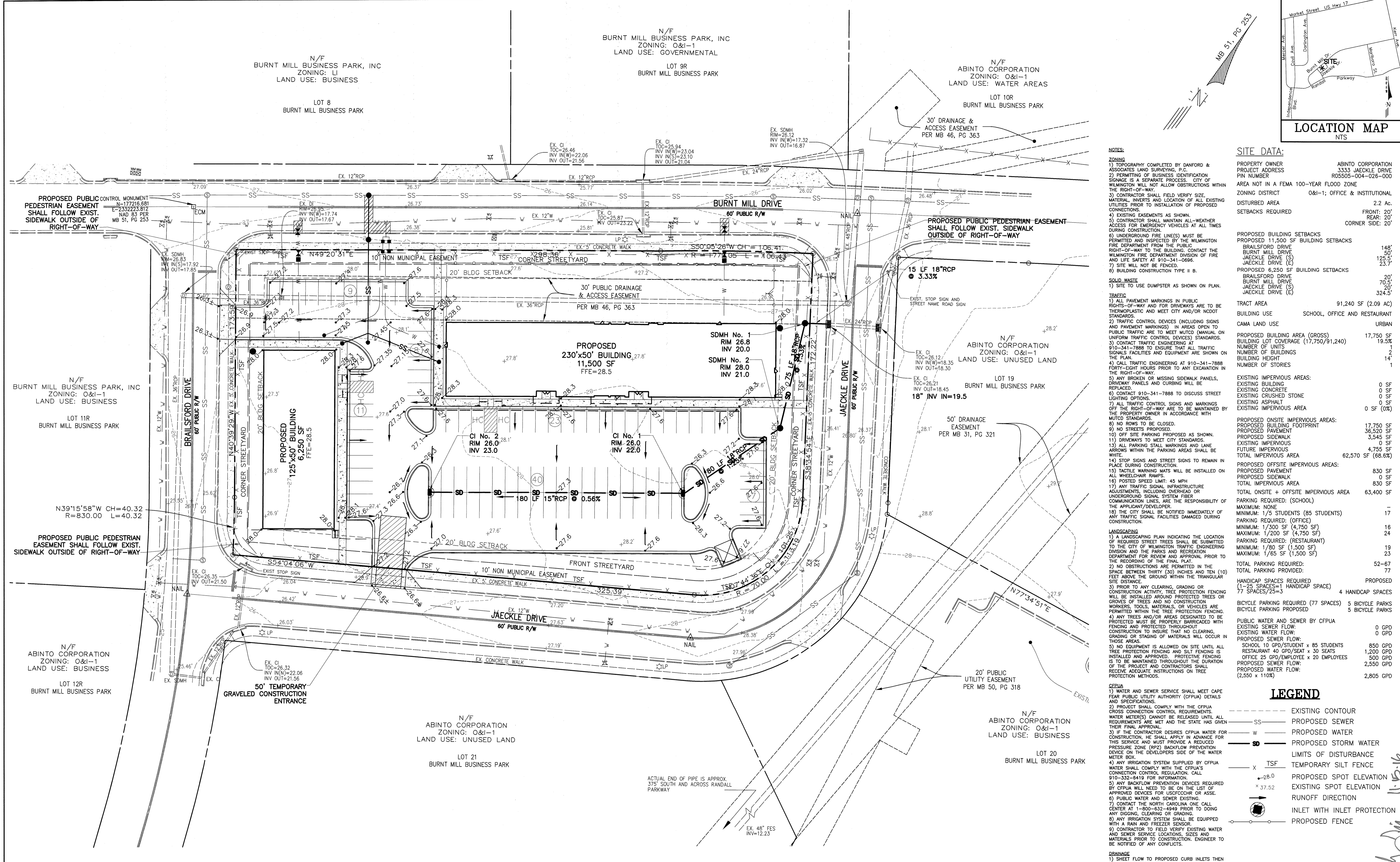


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PHILIP GREGORY
REGISTERED PROFESSIONAL ENGINEER
17374

DATE 11-15-16
DESIGN PGT
DRAWN MLV

C2
SHEET 2 OF 5
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SCHOOL: 10 GPD/STUDENT x 85 STUDENTS	850 GPD
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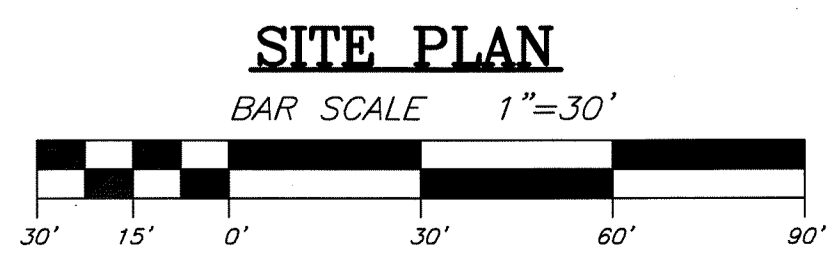
---	EXISTING CONTOUR
SS	PROPOSED SEWER
W	PROPOSED WATER
SD	PROPOSED STORM WATER
---	LIMITS OF DISTURBANCE
X	TSF
28.0	PROPOSED SPOT ELEVATION
37.52	EXISTING SPOT ELEVATION
→	RUNOFF DIRECTION
⊙	INLET WITH INLET PROTECTION
⊘	PROPOSED FENCE

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan

Name	Date
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GRADING, DRAINAGE, EROSION CONTROL, AND STORMWATER MANAGEMENT PLAN
BURNT MILL BUSINESS PARK LOT 22
 3333 JAECKLE DRIVE
 WILMINGTON, NORTH CAROLINA

DATE 11-15-16
DESIGN PGT
DRAWN MLV

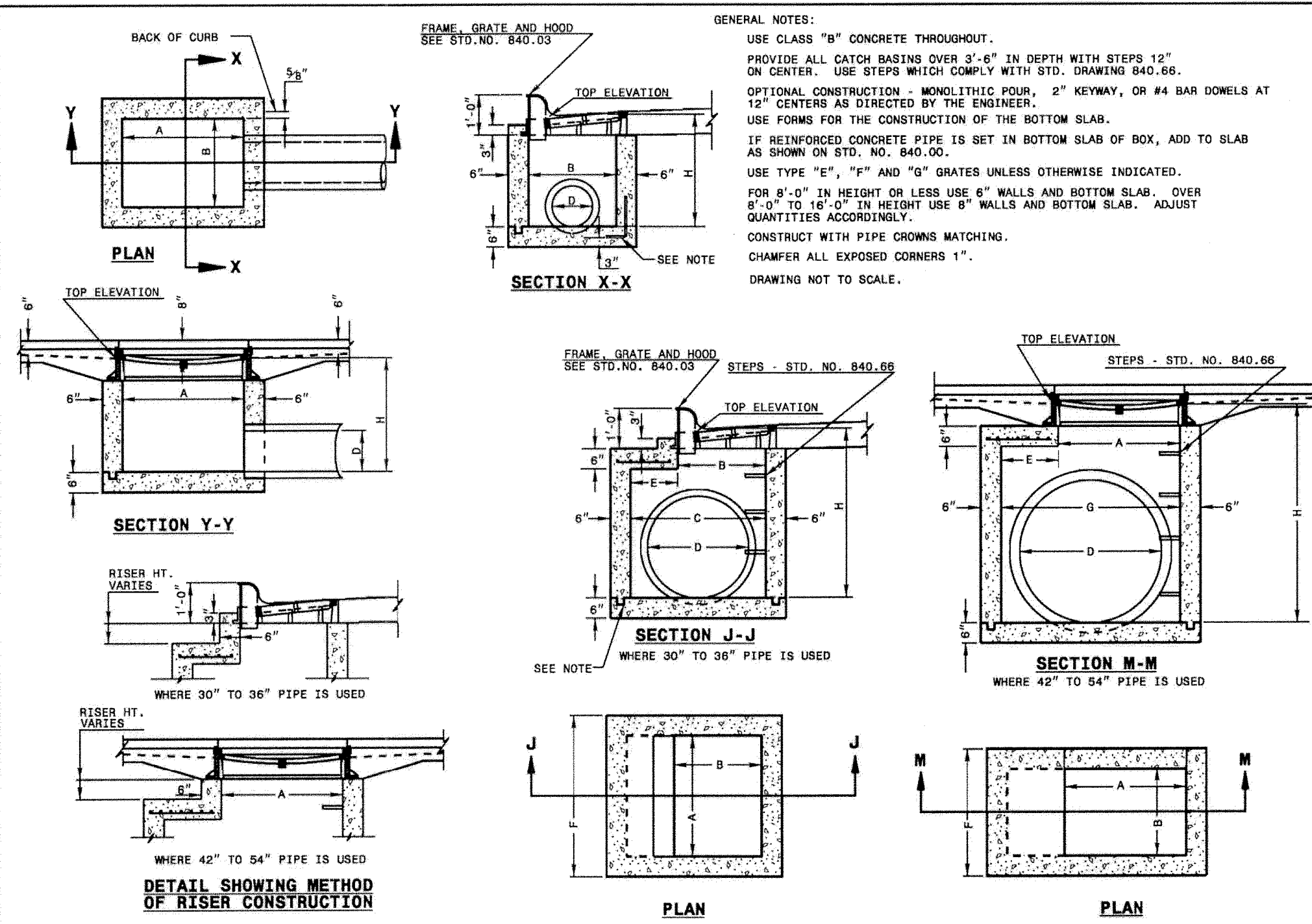
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SHEET 3 OF 5
16028

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02



GENERAL NOTES:
USE CLASS "B" CONCRETE THROUGHOUT.
PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOMELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.05.
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 12'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
CONSTRUCT WITH PIPE CORNS MATCHING.
CHAMFER ALL EXPOSED CORNERS 1".
DRAWING NOT TO SCALE.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

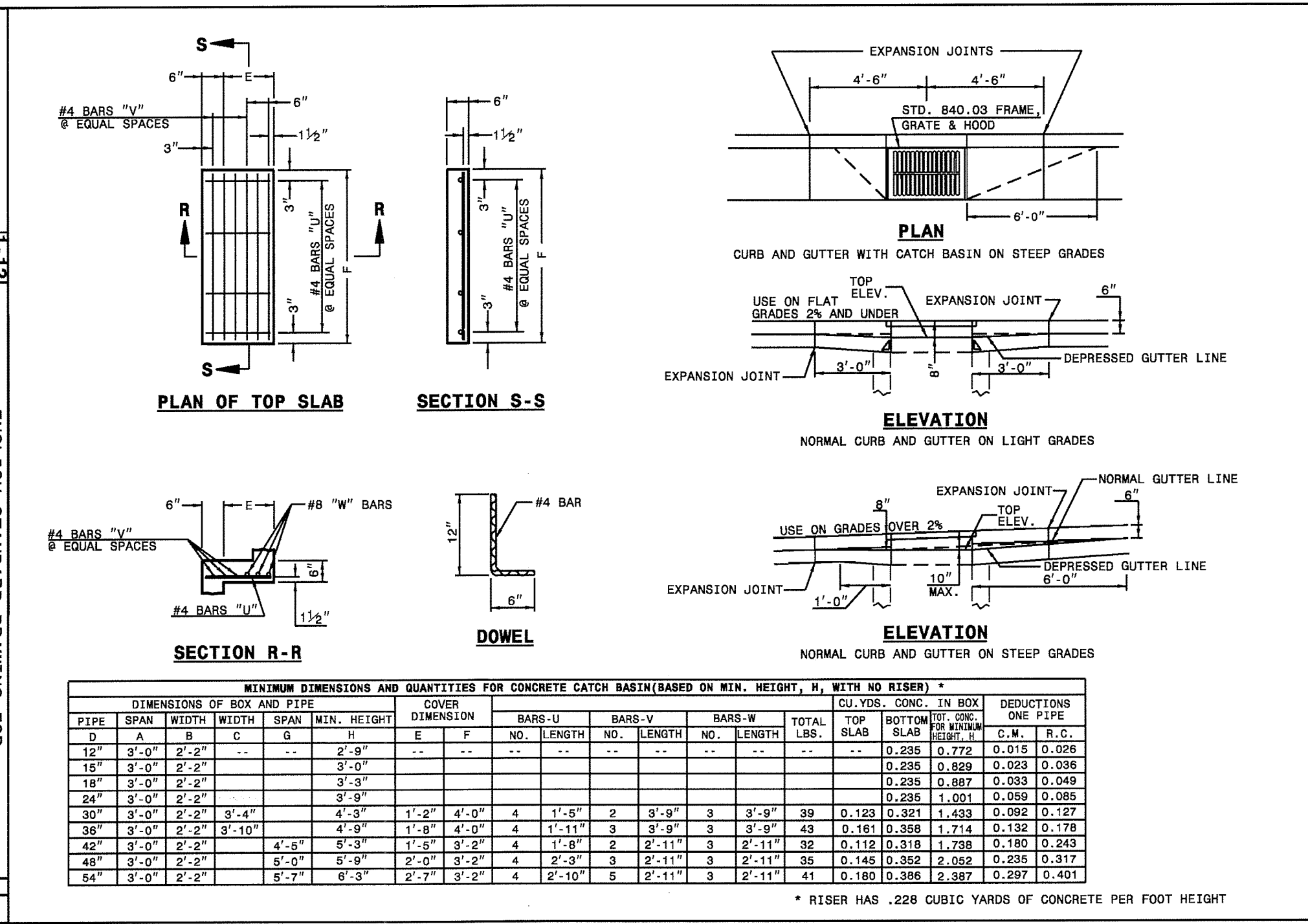
ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 2 OF 2
840.02



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

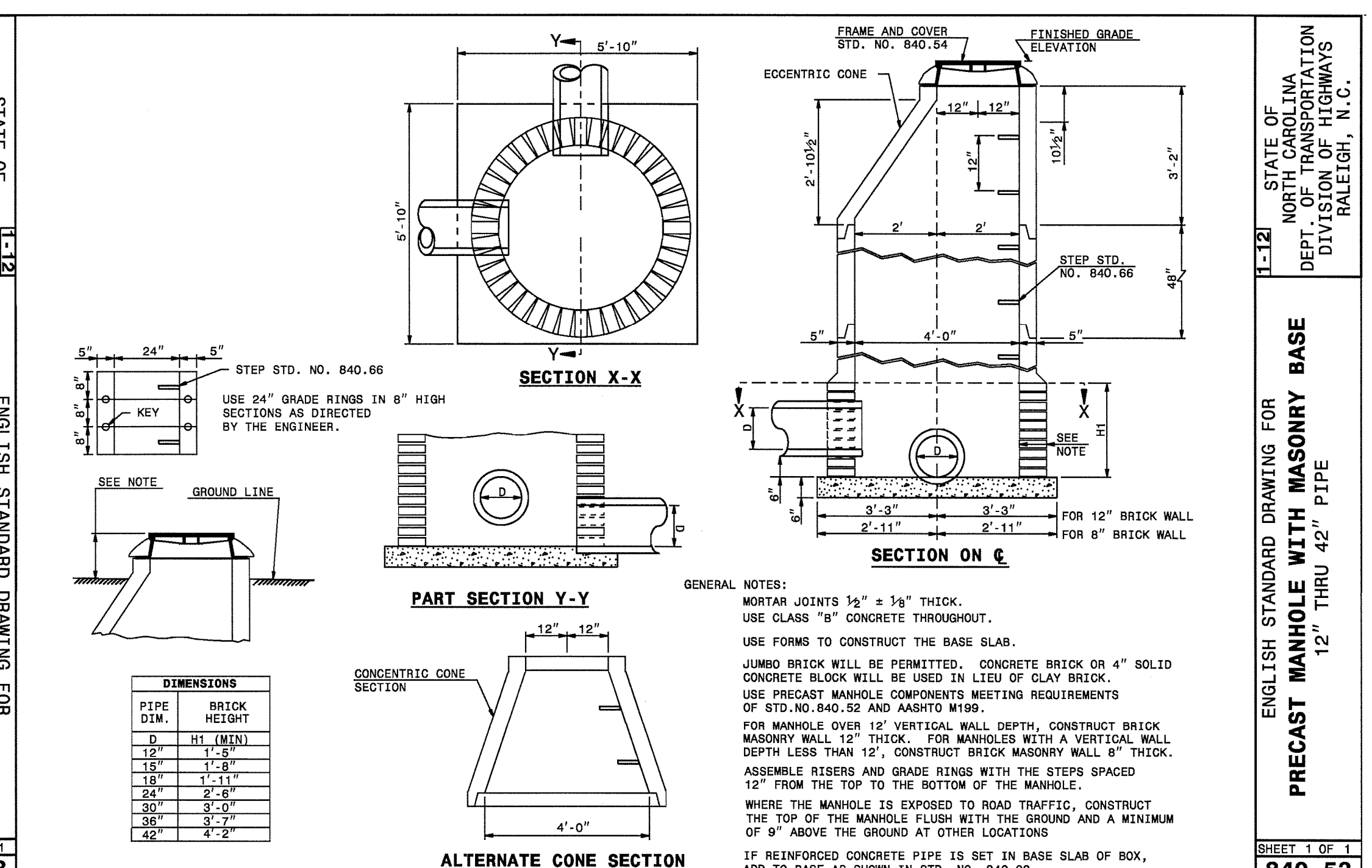
ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 2 OF 2
840.02

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PRECAST MANHOLE WITH MASONRY BASE
12" THRU 42" PIPE

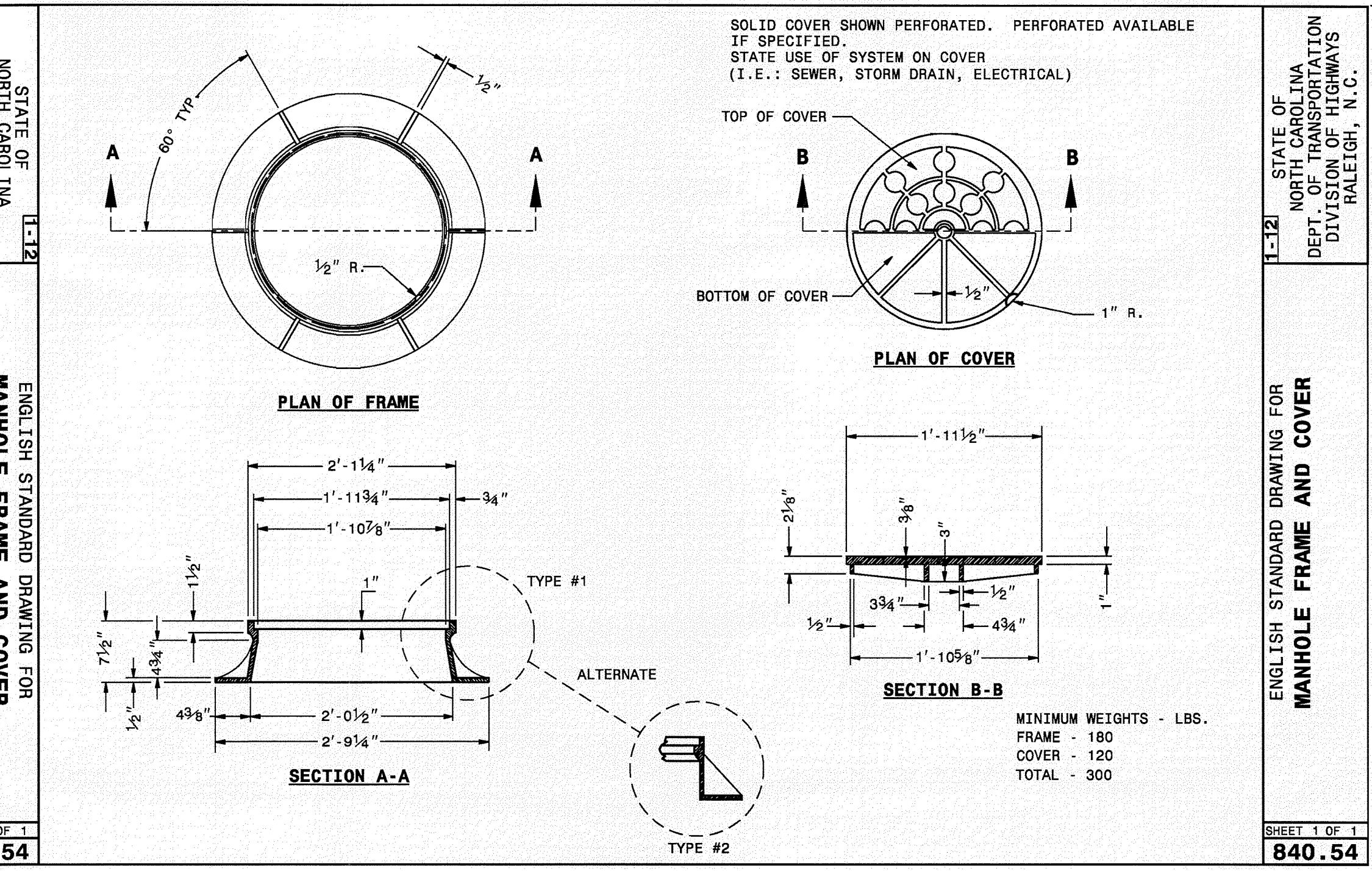
SHEET 1 OF 1
840.53



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
MANHOLE FRAME AND COVER
12" THRU 54" PIPE

SHEET 1 OF 1
840.54



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
PRECAST MANHOLE WITH MASONRY BASE
12" THRU 42" PIPE

SHEET 1 OF 1
840.53

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
RALEIGH, N.C.

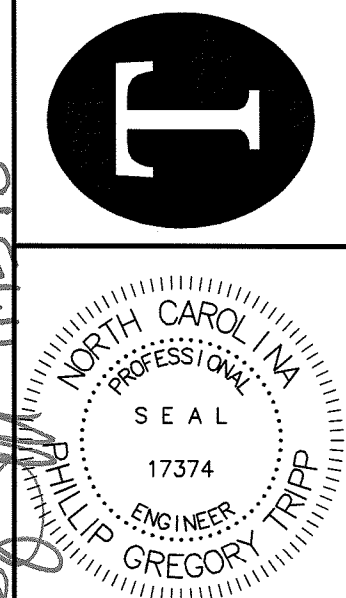
ENGLISH STANDARD DRAWING FOR
MANHOLE FRAME AND COVER
12" THRU 54" PIPE

SHEET 1 OF 1
840.54

REVISIONS		
No.	Date	Description

DETAILS AND NOTES
BURNT MILL BUSINESS PARK LOT 22
3333 JAECKLE DRIVE
WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
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LIC. 00000000000000000000



DATE 11-15-16
DESIGN PGT
DRAW MLV

C5
SHEET 5 OF 5
16028

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

Approved Construction Plan
Name _____ Date _____
Planning _____
Traffic _____
Fire _____

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.