

NCCS MONUMENT
"MCDONALDS"
N 162378.77
E 2322247.76

S 89°34'48" W 708.43'
(TIE TO NCCS MONUMENT "MCDONALDS")
(GROUND DISTANCE - DEED BEARING)

RIGHT-OF-WAY

EXIST WATER MAIN

EXIST GAS LINE

TEMPORARY DIVERSION

SILT FENCE

GROUT EXIST HOLE FROM
REMOVED 8" PIPE

OVERFLOW RISER AND
PIPE SEE DWG CG-101
FOR DETAILS

20' PUBLIC UTILITY EASEMENT RELEASED
TO THE CITY OF WILMINGTON PER DEED
BOOK: 5739, PAGE: 2592
(DRY LINE POSSIBLY ABANDONED)

SEDIMENT BASIN
BOTTOM EL=42.5
24'x50' BOTTOM AREA
3:1 SIDE SLOPES
TOP EL=47

REMOVE EXIST SEWER LINE

REMOVE GRAVEL PATH

REMOVE EXIST. SANITARY
SEWER MANHOLE

SEWER MANHOLE
RIM: 48.58'
INVERT IN: 43.38'
INVERT OUT: 40.37'

(NEXT MANHOLE NOT FOUND)

CAP AND SEAL
EXIST SEWER LINE

MAINTAIN ACCESS TO FAMILY DOLLAR AT ALL TIME.
COORDINATE TEMPORARY CONSTRUCTION ON THEIR
PROPERTY WITH FAMILY DOLLAR STORE MANAGER

50' ACCESS EASEMENT (NON-MUNICIPAL) AND PUBLIC UTILITY EASEMENT
PER MAP BOOK: 44, PAGE: 25; MAP BOOK: 58, PAGE: 62;

TRACT E
SHIPYARD PLAZA
NOW OR FORMERLY
ZIMMER COMMERCIAL PROPERTIES, LLC
DEED BOOK: 2117, PAGE: 444
ZONING RB

TRACT C REVISED
SHIPYARD PLAZA
NOW OR FORMERLY
ZIMMER COMMERCIAL PROPERTIES, LLC
DEED BOOK: 5550, PAGE: 1355
ZONING RB

TRACT A REVISED
SHIPYARD PLAZA
NOW OR FORMERLY
ZIMMER COMMERCIAL PROPERTIES, LLC
DEED BOOK: 2117, PAGE: 444
ZONING RB

CONSTRUCTION ENTRANCE

EDGE OF PAVEMENT (TYP)

TRANSFORMER ON CONCRETE PAD

SEWER MANHOLE
RIM: 49.8'

SEWER MANHOLE
RIM: 47.06'
INVERT IN: 42.44'
INVERT OUT: 42.42'

1-STORY BRICK BUILDING
(FAMILY DOLLAR)

FENCE AROUND DUMPSTER ON
CONCRETE PAD

42" OAK

DROP INLET (3.6' X 2.3')
RIM: 47.56'
BOTTOM OF BOX: 45.18'
NOTE: TREE ROOTS FROM 42" OAK GROWING OVER AND IN BOX

ACCESS EASEMENT GRANTED TO LOT F (REVISED)
PER DEED BOOK: 5761, PAGE: 1494

CATCH BASIN
TOP OF CURB: 47.90'
12" RCP INVERT(IN): 45.15'
12" RCP INVERT(OUT): 45.01'

CATCH BASIN
TOP OF CURB: 48.01'
12" RCP INVERT(IN): 45.12'
12" RCP INVERT(OUT): 44.88'

CATCH BASIN
TOP OF CURB: 47.88'
15" RCP INVERT(IN): 44.98'

STORM DRAIN MANHOLE
RIM: 47.57'
INVERT(IN/OUT): 44.57'

STORM DRAIN MANHOLE
RIM: 45.67'
15" RCP INVERT(IN): 38.55'
15" RCP INVERT(OUT): 38.55'
36" RCP INVERT IN: 36.79'
48" RCP INVERT OUT: 36.58'

STORM DRAIN MANHOLE
RIM: 44.80'
(PAVED OVER)

STORM DRAIN MANHOLE
RIM: 45.16'
INVERT IN(EAST): 38.31'
INVERT IN(SOUTH): 38.44'
INVERT OUT: 39.97'

SAW CUT AND REMOVE
CURB AND GUTTER

SAW CUT AND
REMOVE EXIST
SIDEWALK

0.11 ACRE LIMITS OF
DISTURBANCE

1.76 ACRE LIMITS OF
DISTURBANCE

RIGHT-OF-WAY

EDGE OF PAVEMENT (TYP)

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

POWER POLE

TRAFFIC SIGNAL BOX

BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

GRAVEL DRIVE (TYP)

SIDEWALK (TYP)

2 TELEPHONE PEDESTALS

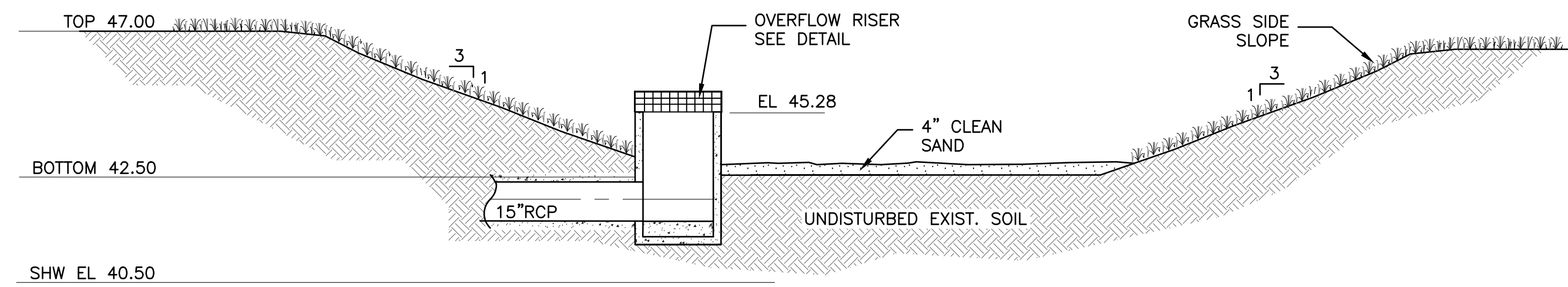
POWER POLE

TRAFFIC SIGNAL BOX

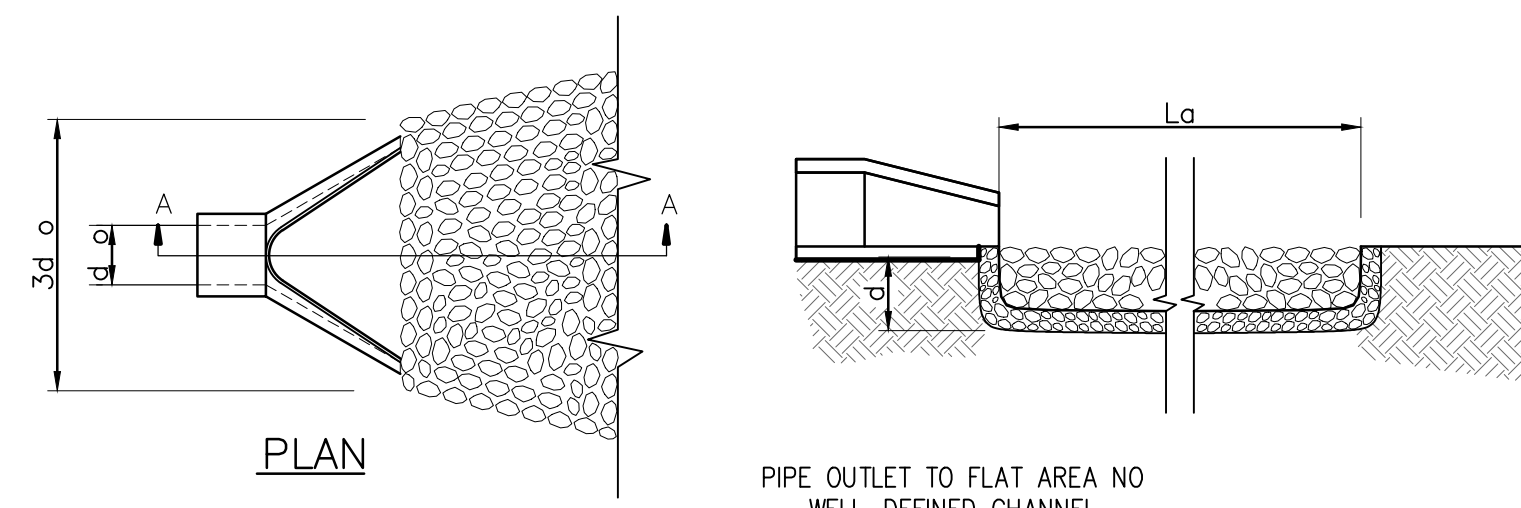
BACKFLOW PREVENTER

CATCH BASIN
TOP OF CURB: 44.68'
INVERT: 42.42'

CONCRETE DRIVE (TYP)

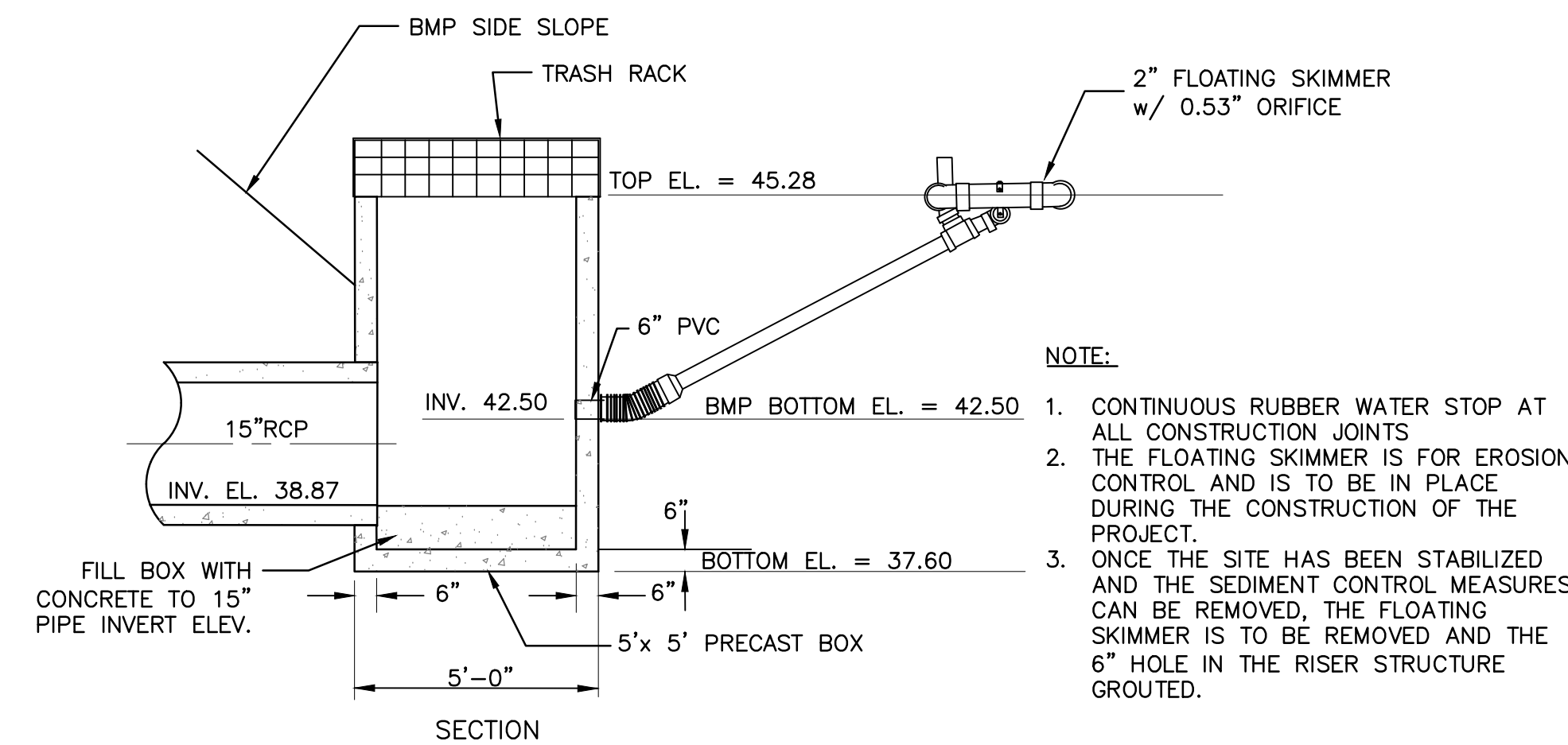


INFILTRATION BASIN SECTION
NOT TO SCALE



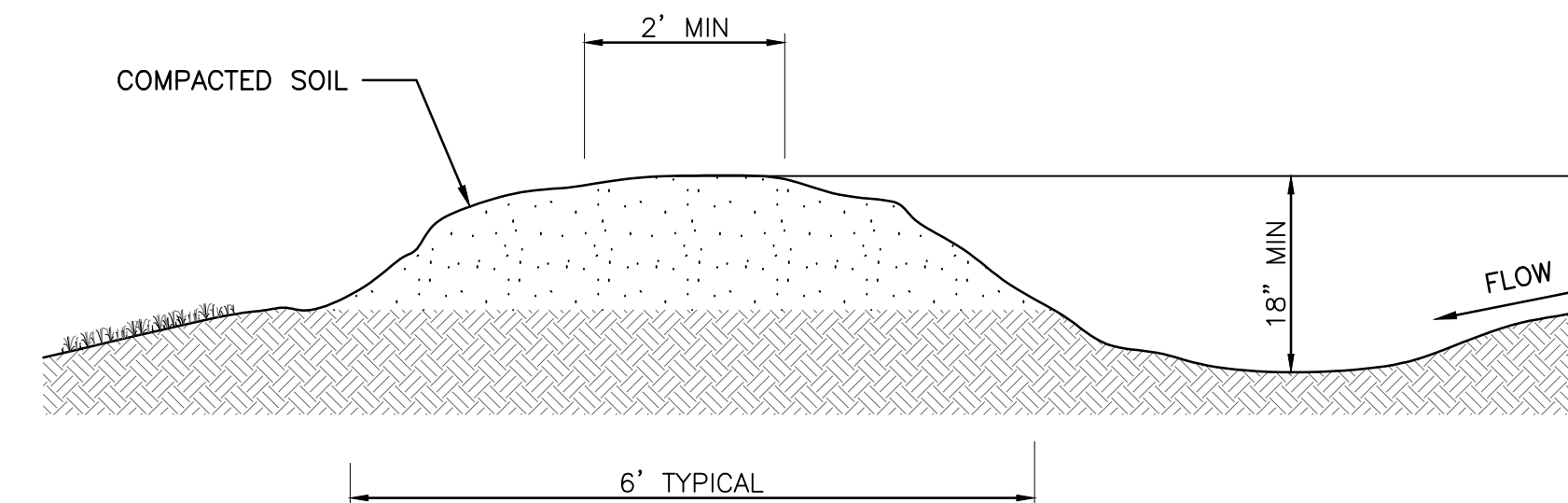
- NOTES:
1. L_0 IS THE LENGTH OF THE RIPRAP APRON.
 2. $d = 1.5$ TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6".
 3. IN A WELL-DEFINED CHANNEL EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR TO THE TOP OF THE BANK, WHICHEVER IS LESS.
 4. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.

OUTLET PROTECTION
NOT TO SCALE



- NOTE:
1. CONTINUOUS RUBBER WATER STOP AT ALL CONSTRUCTION JOINTS.
 2. THE FLOATING SKIMMER IS FOR EROSION CONTROL AND IS TO BE IN PLACE DURING THE CONSTRUCTION OF THE PROJECT.
 3. ONCE THE SITE HAS BEEN STABILIZED AND THE SEDIMENT CONTROL MEASURES CAN BE REMOVED, THE FLOATING SKIMMER IS TO BE REMOVED AND THE 6" HOLE IN THE RISER STRUCTURE GROUTED.

OVERFLOW STRUCTURE
NOT TO SCALE



TEMPORARY DIVERSION DIKE
NOT TO SCALE

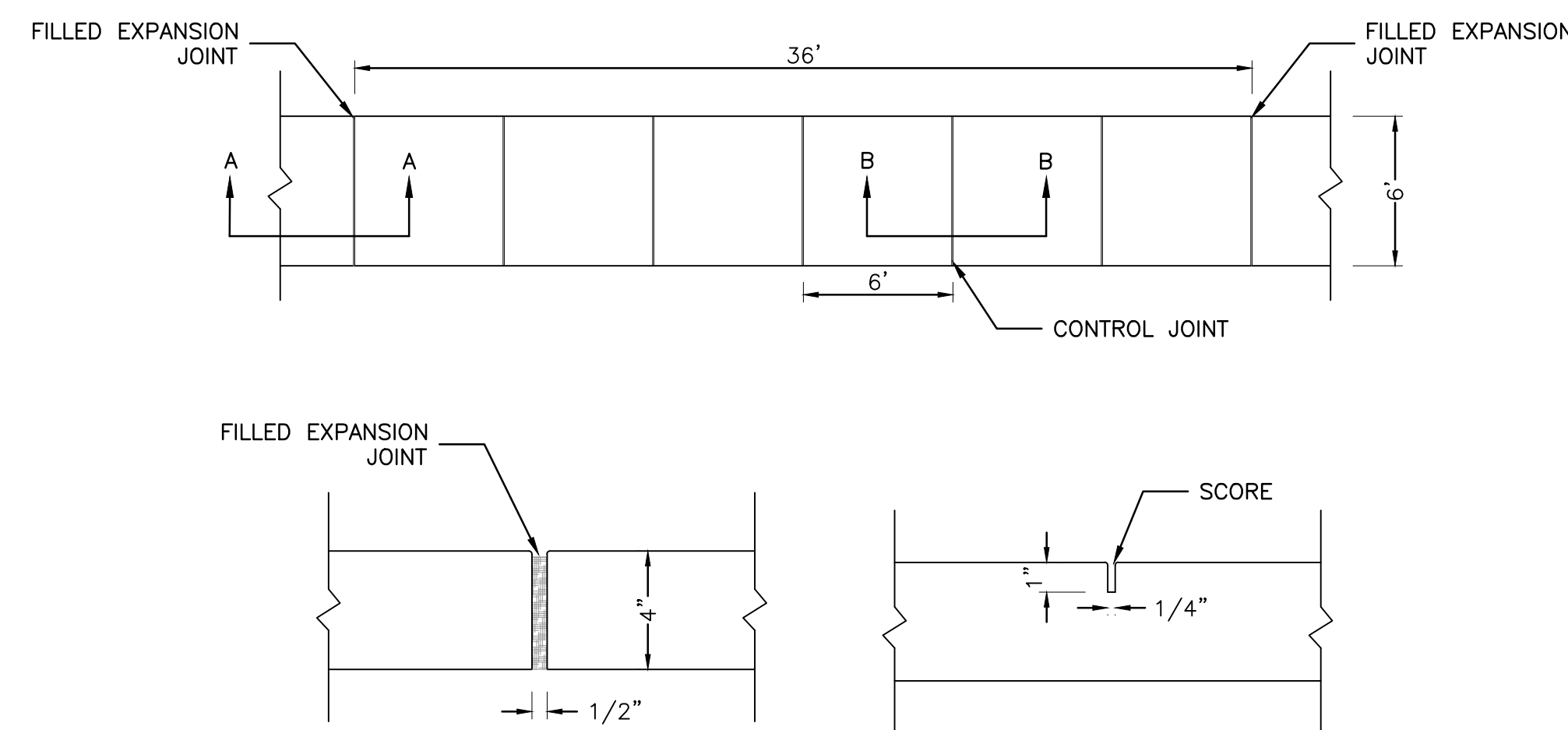
CONSTRUCTION SPECIFICATIONS

1. REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL. FILL AND COMPACT TO NATURAL GROUND LEVEL OR ABOVE, ALL DITCHES AND GULLIES THAT WILL BE CROSSED BY MACHINERY.
2. DISK THE BASE OF THE DIKE BEFORE PLACING FILL.
3. ENSURE THAT THE CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.
4. COMPACT THE DIKE BY TRACKING WITH CONSTRUCTION EQUIPMENT.
5. ENSURE THAT THE TOP OF THE DIKE IS NOT LOWER AT ANY POINT THAN THE DESIGN ELEVATION PLUS THE SPECIFIED SETTLEMENT AFTER IT HAS BEEN COMPACTED.
6. LEAVE SUFFICIENT AREA ALONG THE DIKE TO PERMIT MACHINE RE-GRADING AND CLEANOUT.
7. IMMEDIATELY SEED AND MULCH THE DIKE AFTER ITS CONSTRUCTION, AND STABILIZE THE FLOW PORTION IN ACCORDANCE WITH DESIGN REQUIREMENTS.

MAINTENANCE

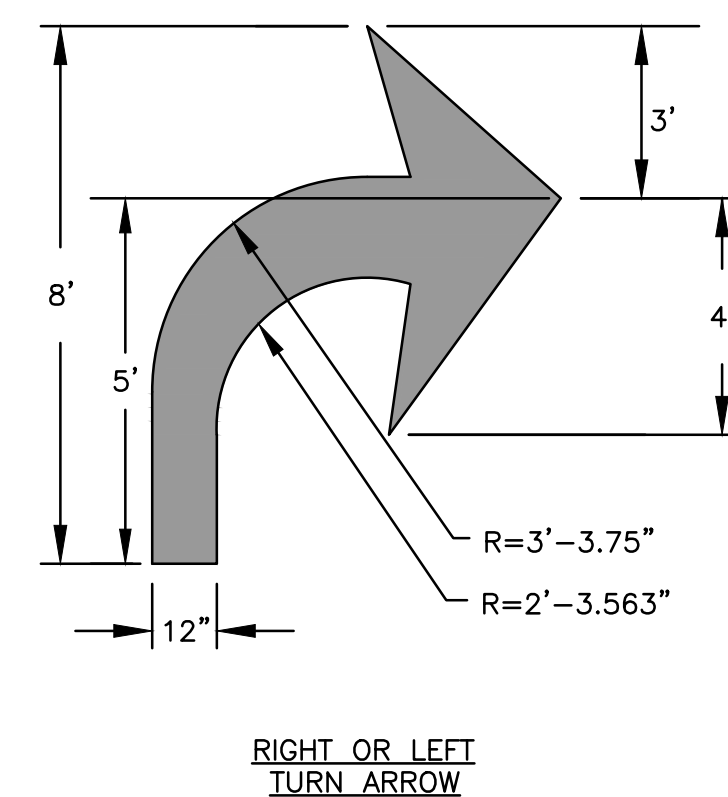
INSPECT DIVERSION DIKES ONCE A WEEK AND AFTER EVERY RAINFALL. IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIKE.

CHECK OUTLETS, AND MAKE TIMELY REPAIRS AS NEEDED TO AVOID GULLY FORMATION. WHEN THE AREA ABOVE THE TEMPORARY DIVERSION DIKE IS PERMANENTLY STABILIZED, REMOVE THE DIKE, AND FILL AND STABILIZE THE CHANNEL TO BLEND WITH THE NATURAL SURFACE.



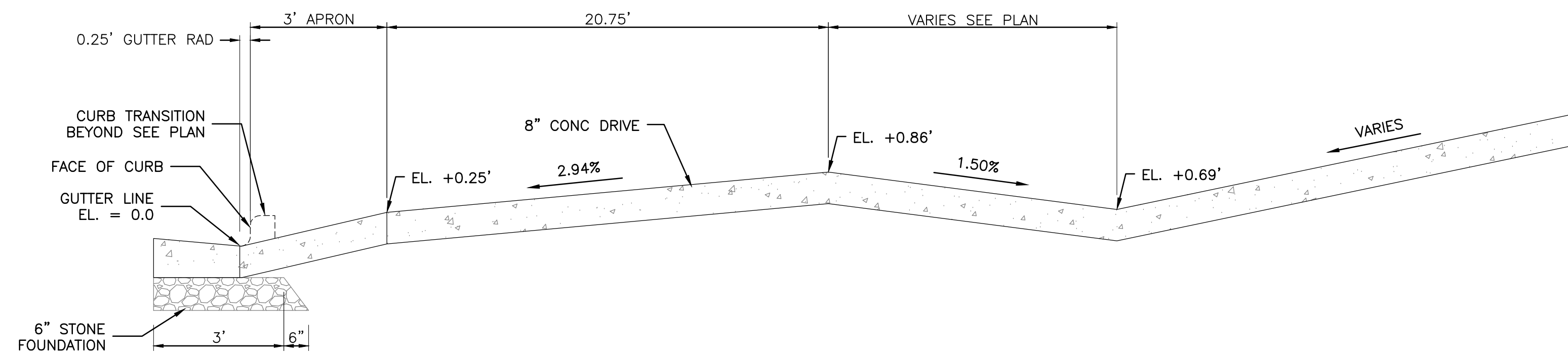
- NOTES:
1. JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS.
 2. SANITARY SEWER CLEAN-OUTS, WATER METERS, MANHOLES, AND VALVE LIDS TO BE LOCATED OUTSIDE SIDEWALK WHERE FEASIBLE.
 3. MINIMUM SIDEWALK WIDTH TO BE 6' MINIMUM IF PLACED AT BACK OF CURB.
 4. CONCRETE FOR ALL SIDEWALKS (EXCEPT ANY PORTION CONTAIN WITHIN A DRIVEWAY APRON) SHALL BE CLASS "A" - 3,000 PSI.
 5. MINIMUM REPLACEMENT FOR REPAIRS IS A 5' X 5' PANEL.
 6. 4" STONE BASE MAY BE REQUIRED FOR POOR SOIL CONDITIONS.
 7. MINIMUM DEPTH FOR TUNNELING BELOW SIDEWALK IS 12"
 8. MAX ADJACENT GROUND SLOPE WITHOUT RAILING IS 2:1
 9. MIN GRADE FOR PROPER DRAINAGE IS 1% IN AT LEAST 1 DIRECTION. MAX CROSS SLOPE IS 2%. MAX LONGITUDINAL SLOPE IS 8.3%, 10% IF LIMITED BY EXISTING CONDITIONS, OR NO GREATER THAN THE SLOPE OF THE EXISTING ADJACENT ROAD.

SIDEWALK DETAIL (SD 3-10)
NOT TO SCALE



- GENERAL NOTES
- 1-PAVEMENT MARKINGS, SYMBOLS AND DIMENSIONS SHALL BE DESIGNED PER MUTCD WITH APPROVAL FROM CITY TRAFFIC ENGINEERING, AND INSTALLED IN ACCORDANCE WITH NCDOT DIVISION 12 SPECIFICATIONS. SEE SD 11-01.

PAVEMENT MARKINGS AND SYMBOLS (SD 11-03)
NOT TO SCALE



DRIVEWAY SECTION 'A'
NOT TO SCALE



Sep 29 2016 1:37 PM

MARK	DATE	DESCRIPTION

PROJECT NO:	2015028.00
DATE:	6/30/2016
SCALE:	
DRAWN BY:	EJS / NMY
PROJ MGR:	LML

