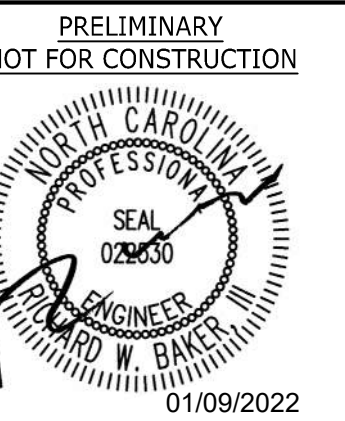


PRELIMINARY SITE PLAN REVIEW

CIRCLE K - NTI NC55 KENNEBEC - ANGIER NC

ANGIER, NORTH CAROLINA 27501
WAKE COUNTY



OWNER:

ALBERMARLE PROPERTIES LLC
10320 DURANT RD STE 113
RALEIGH, NC 27614

ARCHITECT:

RDC
RALPH WATSON
11921 FREEDOM DRIVE, SUITE #1110
RESTON, VA 20190
RALPH.WATSON@RDCCOLLABORATIVE.COM
PH: (703) 659-8252

DEVELOPER:

CIRCLE K STORES INC
ANDY PRIOLO
1100 SITUS COURT
SUITE 100
RALEIGH, NC 27606
PH: (919) 566-1714
FAX: (919) 777-5139

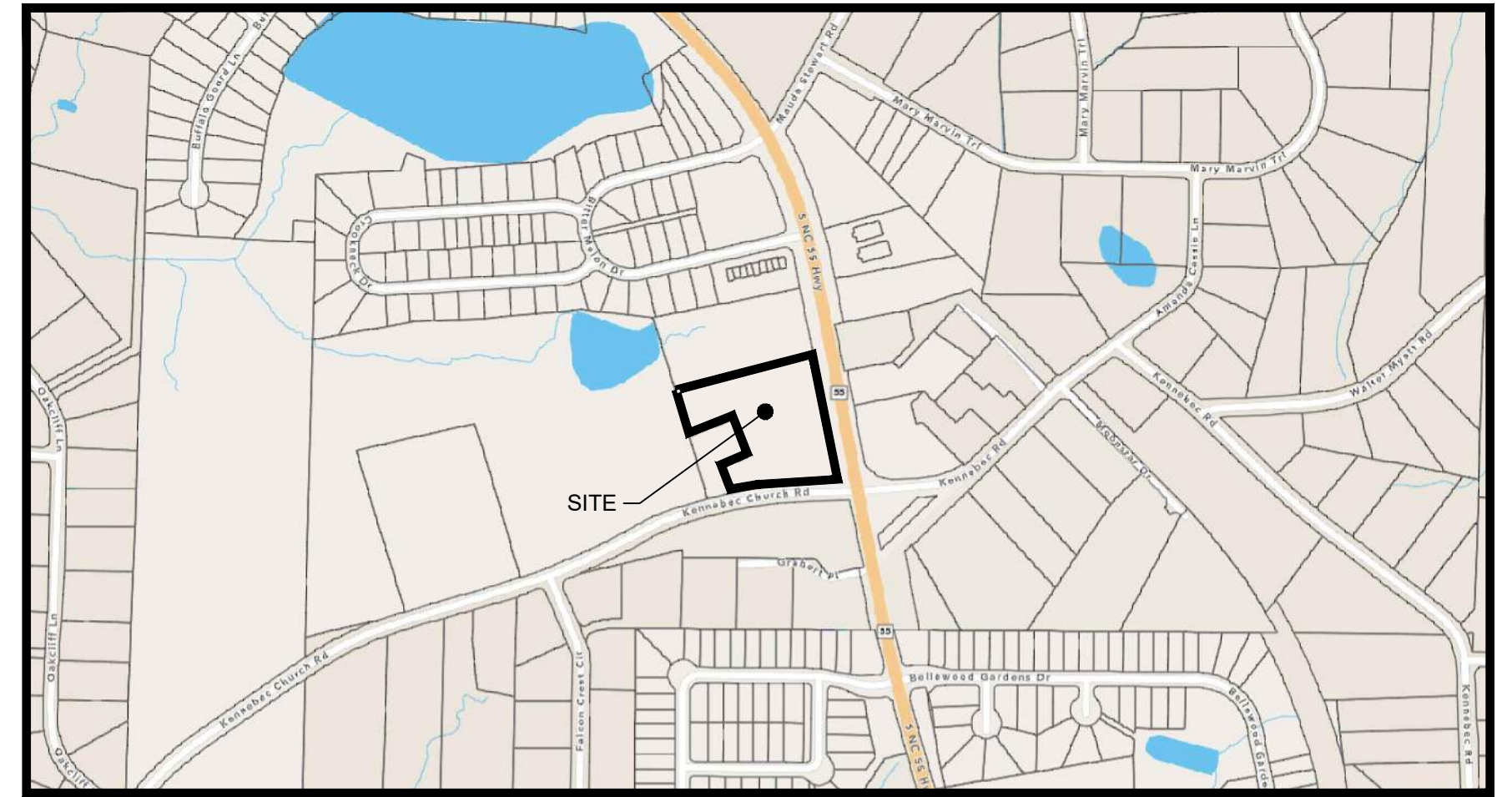
CIVIL ENGINEER:

TIMMONS GROUP
RICK BAKER, P.E.
5410 TRINITY ROAD
SUITE 102
RALEIGH, NC 27607
RICK.BAKER@TIMMONS.COM
PH: (919) 866-4939

SURVEYOR:

BOHLER ENGINEERING
THOMAS E. TEABO, PLS
4130 PARKLAKE AVENUE
SUITE 130
RALEIGH, NC 27612
PH: (919) 578-9000

SITE PLAN SUMMARY	
PROJECT:	CIRCLE K - NTI NC55 KENNEBEC - ANGIER, NC
OWNER:	ALBERMARLE PROPERTIES LLC
PROJECT ADDRESS:	9706 KENNEBEC CHURCH ROAD, ANGIER, NC 27501
PN:	0675-001409
JURISDICTION:	ANGIER
ZONING:	GC (GENERAL COMMERCIAL)
EXISTING USE:	VACANT
PROPOSED USE:	CONVENIENCE STORE W/ GAS SALES & CAR WASH
FLOOD ZONE:	NOT LOCATED IN FLOOD HAZARDS AREA PER FEMA MAP #3720067500K (EFFECTIVE 10/03/2006)
PROP. TRACT AREA:	3.40 AC (146,166 SF)
PROPOSED OUTPARCEL AREA:	2.54 AC
DISTURBED AREA:	4.20 AC
EXISTING IMPERVIOUS SURFACE AREA:	4750 SF (3.2%)
PROP. IMPERVIOUS AREA TO REMAIN:	90,170 SF (2.07 AC)
TYPE OF BUILDING CONSTRUCTION:	CONVENIENCE STORE: V-B (NON-SPRINKLERED)
TYPE OF CANOPY CONSTRUCTION:	II-B
PROP. CONVENIENCE BUILDING SQUARE FOOTAGE:	3,666 SF
VEHICLE PARKING SUMMARY - REQUIRED:	CONVENIENCE STORES W/ GAS SALES: 1 SPACE PER 150 SQUARE FEET OF GFA = 3,666 SF / 150 SF = 25 SPACES REQUIRED. TOTAL = 25 SPACES (1 MUST BE AN ADA SPACE)
VEHICLE PARKING SUMMARY - PROVIDED:	25 PASSENGER PARKING SPACES 2 ADA SPACES (2 ARE VAN ACCESSIBLE) TOTAL: 27 SPACES
HOURS OF OPERATION:	24 HOUR OPERATION



VICINITY MAP
NTS

GENERAL NOTE

ALL CONTRACTORS SHALL VISIT THE PROJECT TO FAMILIARIZE THEMSELVES WITH SITE CONDITIONS PRIOR TO BIDDING OR CONSTRUCTION. BY SUBMITTING A BID, THE CONTRACTOR AND HIS SUBCONTRACTORS ARE CONFIRMING THAT THEY HAVE VISITED THE SITE AND HAVE INCLUDED IN THEIR BID ANY ADDITIONAL ITEMS OF CONSTRUCTION THAT MAY BE REQUIRED DUE TO EXISTING SITE CONDITIONS.

Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER SHEET
C1.0	EXISTING CONDITIONS AND DEMOLITION PLAN
C2.0	SITE PLAN
C2.1	PAVING PLAN
C2.2	VEHICULAR ROUTING PLAN
C3.0	GRADING AND DRAINAGE PLAN
C3.1	SPOT GRADING PLAN
C3.2	SPOT GRADING PLAN
C3.3	DRY DETENTION POND PLAN AND PROFILE
C3.4	DRY DETENTION POND DETAILS
C3.5	ROAD WIDENING AND STRIPPING PLAN
C3.6	ROAD WIDENING AND STRIPPING PLAN
C4.0	EROSION CONTROL PLAN - PHASE 1
C4.1	EROSION CONTROL PLAN - PHASE 2
C5.0	UTILITY PLAN
C6.0	LANDSCAPE PLAN
C6.1	LANDSCAPE DETAILS
C7.0	NOTES AND DETAILS
C7.1	NOTES AND DETAILS
C7.2	NOTES AND DETAILS
C7.3	NOTES AND DETAILS
C7.4	NOTES AND DETAILS
C7.5	NOTES AND DETAILS
C7.6	NOTES AND DETAILS
A2.1	EXTERIOR ELEVATIONS
A2.0-CW	EXTERIOR ELEVATIONS
A2-2	FUEL CANOPY ELEVATIONS
PAGE 1 OF 3	LIGHTING PLAN
PAGE 2 OF 3	LIGHTING PLAN
PAGE 3 OF 3	LIGHTING PLAN

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REVISION DESCRIPTION
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10/10/2022
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J. YOKLEY
DESIGNED BY
J. DOOLEY
CHECKED BY
R. BAKER
SCALE
AS SHOWN

TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
COVER SHEET

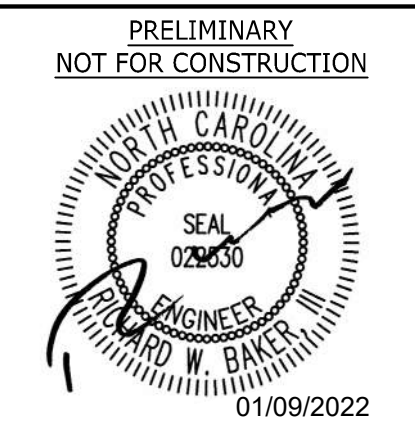
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37630.105
SHEET NO.
C0.0

PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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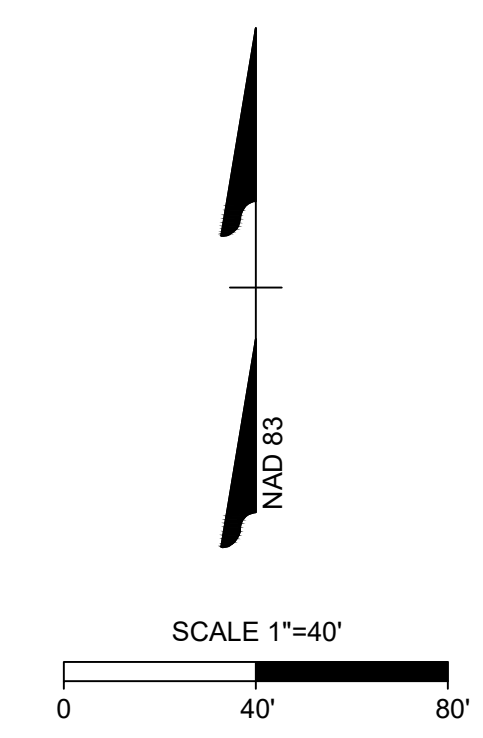
TIMMONS GROUP
NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
EXISTING CONDITIONS AND DEMOLITION PLAN
JOB NO.
37630.105
SHEET NO.
C1.0

SURVEY NOTES

- ON SITE BOUNDARY, TOPOGRAPHY AND PLANIMETRIC INFORMATION IS TAKEN FROM A SURVEY BY BOHLER ENGINEERING DATED 03/01/2022. OFFSITE TOPOGRAPHY AND PLANIMETRIC INFORMATION FROM OTHER SOURCES AND HAS NOT BEEN FIELD VERIFIED BY TIMMONS GROUP.
- ALL DISTANCES SHOWN ON SURVEY ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY THIS FIRM. BASIS OF BEARING SHOWN HEREON IS NC GRID NAD 83 (NSRS 2007).
- VERTICAL DATUM SHOWN HEREON IS NAVD88.
- NOT LOCATED IN FLOOD HAZARD AREA PER FEMA MAP #3720067500K (EFFECTIVE 10-03-2006).
- RECORDED PROPERTY DATA:
7.1. DB 12113, PG 1247
- EXISTING IMPERVIOUS AREA = 0.11 ACRES
- THE UTILITIES ON THESE PLANS ARE APPROXIMATE ONLY, AND ARE NOT ACCURATE FOR CONSTRUCTION PURPOSES. FOR FIELD MARKS CALL 1-800-632-4949.

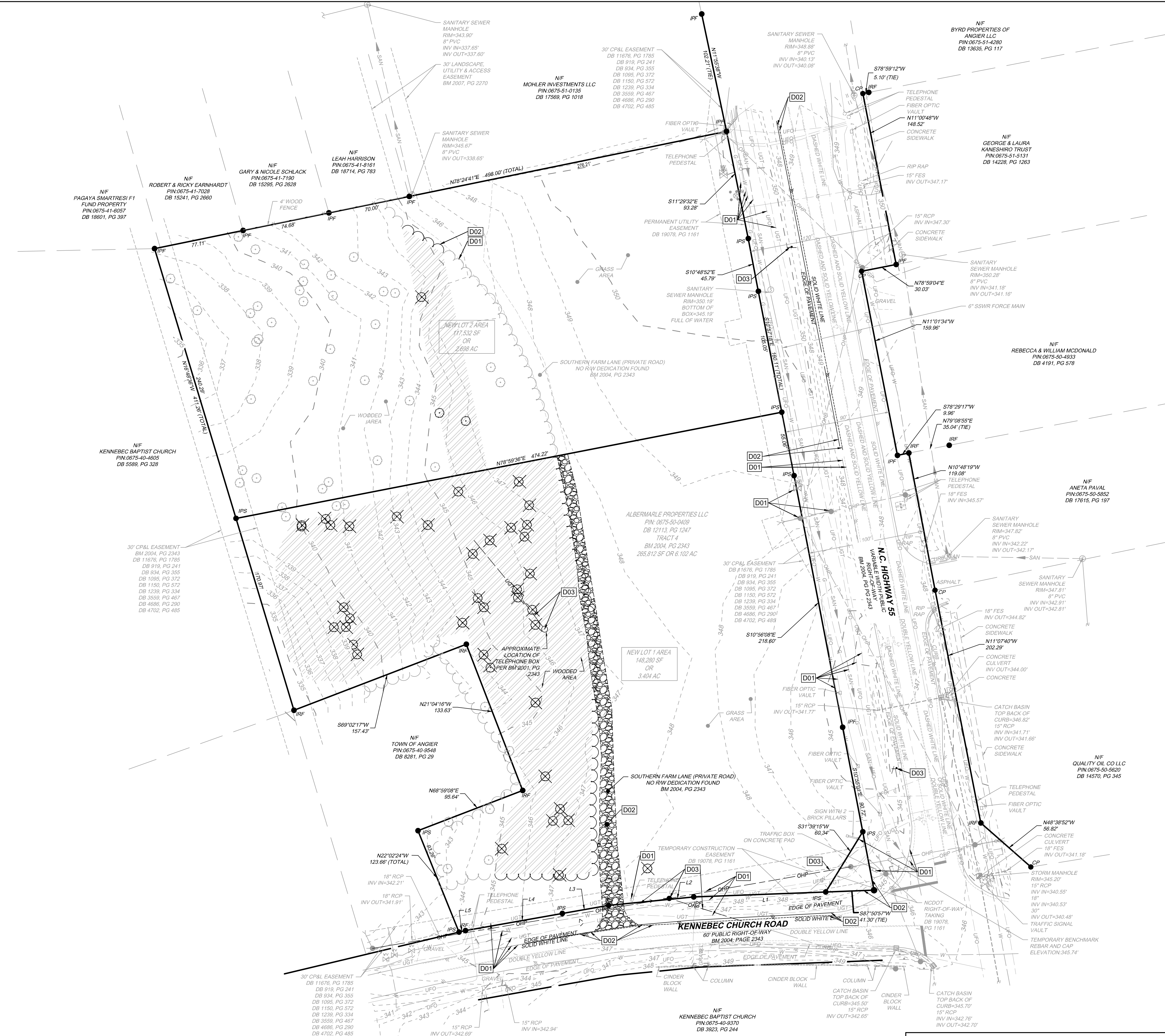
DEMOLITION KEYNOTES	
NUMBER	DESCRIPTION
D01	EXISTING FEATURE TO REMAIN.
D02	REMOVE EXISTING FEATURE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR TO COORDINATE AS NEEDED WITH LOCAL MUNICIPALITY, INSPECTORS, AND/OR UTILITY COMPANIES.
D03	RELOCATE AND MODIFY EXISTING FEATURE TO REMAIN IN SERVICE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. CONTRACTOR TO COORDINATE AS NEEDED WITH LOCAL MUNICIPALITY, INSPECTORS, AND/OR UTILITY COMPANIES.
X	TREE DEMOLITION AREA TREES TO BE REMOVED

LEGEND		
IPF - IRON PIPE FOUND	⊗ BOLLARD	⊕ SIGN
IRF - IRON ROD FOUND	⊙ MH DRAINAGE	⊖ FO FIBER OPTIC MARKER
IPS - IRON PIPE SET	⊙ MH SANITARY	⊙ SPRINKLER HEAD
PT - CALCULATED POINT	⊙ MH ELECTRIC	⊙ SPRINKLER VALVE
CM - CONCRETE MONUMENT	⊙ MH TELEPHONE	⊙ GAS METER
⊙ FIRE HYDRANT	⊙ MH WATER	⊙ GAS VALVE
⊙ ELECTRIC BOX	⊙ SPRINKLER BOX	⊙ GAS VALVE
⊙ TELEPHONE PEDESTAL	⊙ ELECTRIC METER	⊙ GROUND LAMP
⊙ CABLE TV PEDESTAL	⊙ CLEAN OUT	⊙ BOREHOLE
⊙ POWER POLE < GUY	⊙ WATER METER	⊙ AC UNIT
⊙ LIGHT POLE	⊙ WATER VALVE	⊙ TV TELEPHONE VAULT
⊙ YARD LIGHT	⊙ ROOF DRAIN	⊙ MAILBOX
⊙ WELL	⊙ DEED LINE	⊙ LINE NOT SURVEYED
R/W - RIGHT-OF-WAY	⊙ STORM LINE	⊙ SANITARY LINE
P/L - PROPERTY LINE	⊙ FENCE	⊙ OVERHEAD POWER LINE
C/L - CENTERLINE	⊙ OHP	⊙ PAINTED GAS LINE
NTS - NOT TO SCALE	⊙ UGP	⊙ PAINTED POWER LINE
GV - GAS VALVE	⊙ STM	⊙ PAINTED STORM LINE
CB - CATCH BASIN	⊙ UGT	⊙ PAINTED TELEPHONE LINE
GI - GRATE INLET	⊙ W	⊙ PAINTED WATER LINE
YI - YARD INLET	⊙ TBC	⊙ EDGE OF UNDERBRUSH
CI - CURB INLET	⊙ DB	⊙ RCP - REINFORCED CONCRETE PIPE
EP - EDGE OF PAVING	⊙ PB	⊙ CMP - CORRUGATED METAL PIPE
⊙ FLAG POLE	⊙ PG	⊙ VCP - VITRIFIED CLAY PIPE
	⊙ SF	⊙ DIP - DUCTILE IRON PIPE
	⊙ HOPE	⊙ HDPE - HIGH DENSITY POLYETHYLENE PIPE
	⊙ HVAC	⊙ HVAC - HEATING, VENTILATION AND AIR CONDITIONING

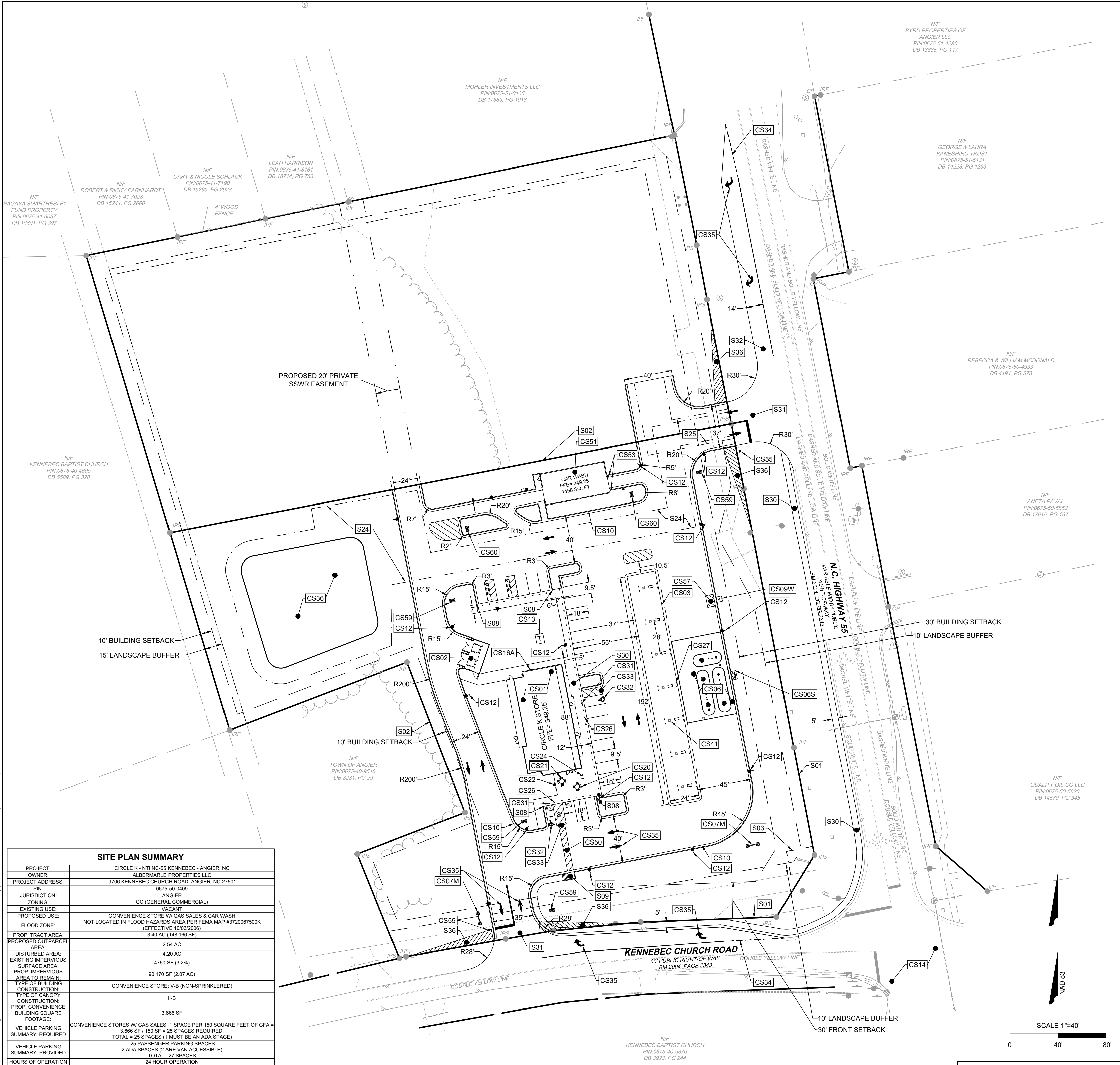


PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS



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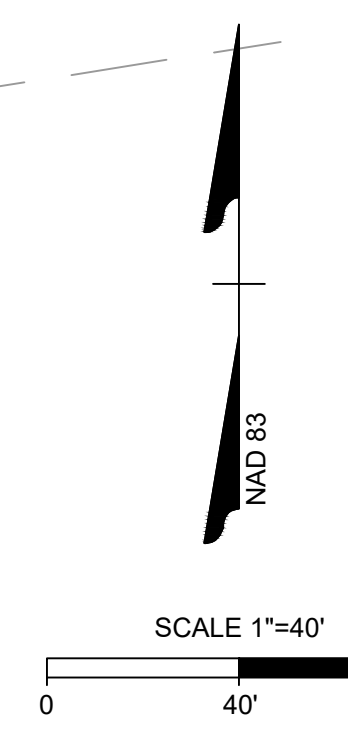
- ### SITE LAYOUT NOTES
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH WAKE COUNTY AND NCDOT STANDARDS AND SPECIFICATIONS.
 - ALL DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVING, BUILDING WALL FACE OR PROPERTY LINE UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS, UTILITIES AND GRADES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING DISCREPANCIES PRIOR TO COMMENCING ANY RELATED CONSTRUCTION.
 - AT LEAST 3-12 BUSINESS DAYS PRIOR TO CONSTRUCTION OR EXCAVATION THE CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) TO HAVE EXISTING UTILITIES LOCATED.
 - PARKING SPACES ARE 9.5' WIDE X 18' LONG MINIMUM EXCEPT HANDICAP SPACES WHICH ARE 8.0' WIDE MINIMUM WITH 8.0' VAN ACCESS AND 5.0' STANDARD ACCESS AISLES.
 - REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF THE BUILDING.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DIMENSIONAL CONFLICTS PRIOR TO THE BEGINNING OF CONSTRUCTION.
 - ALL CURB AND GUTTER ON-SITE SHALL BE 24" WIDE. ALL CURB AND GUTTER IN THE PUBLIC RIGHT OF WAY SHALL BE 30" WIDE.
 - TRANSITION FROM 30" TO 24" CURBS AND GUTTER IS TO OCCUR ON-SITE. THIS TRANSITION SHALL BE 10' LONG IMMEDIATELY ADJACENT TO PUBLIC RIGHT OF WAY OR AS DIRECTED IN THE PLAN.
 - ALL DISTURBED CURB & GUTTER AND ASPHALT SHALL BE REPLACED PER TOWN OF ANGIER OR NCDOT STANDARDS AND SPECIFICATIONS.
 - ALL DRIVEWAY DESIGN AND CONSTRUCTION MUST COMPLY WITH NCDOT SPECIFICATIONS DRIVEWAYS SHALL BE PERMITTED SEPARATELY.
 - NO SIGHT OBSTRUCTING OR PARTIALLY OBSTRUCTING WALL, FENCE, FOLIAGE, BERMING, PARKED VEHICLES OR SIGN BETWEEN THE HEIGHTS OF TWENTY-FOUR (24) INCHES AND EIGHT (8) FEET ABOVE THE CURB LINE ELEVATION, OR THE NEAREST TRAVELED WAY IF NO CURBING EXISTS, SHALL BE PLACED WITHIN A SIGHT TRIANGLE OF A PUBLIC STREET, PRIVATE STREET OR DRIVEWAY CONTAINED EITHER ON THE PROPERTY OR ON AN ADJOINING PROPERTY.

SITE LAYOUT KEYNOTES

NUMBER	DESCRIPTION
CS01	C-STORE BUILDING, REFER TO ARCHITECTURAL AND MEP PLANS BY OTHERS.
CS02	TRASH ENCLOSURE AND BOLLARDS; REFER TO ARCHITECTURAL PLANS BY OTHERS.
CS03	GAS CANOPY; REFER TO CANOPY PLANS BY OTHERS.
CS06	UST TANKS AND PAD; REFER TO FUELING PLANS BY OTHERS FOR PAD SIZING AND PAVING DESIGN.
CS06S	UST VENT STACK; REFER TO FUELING PLANS BY OTHERS.
CS07M	MONUMENT SIGN; FURNISHED AND INSTALLED BY OTHERS. VERIFY EXACT LOCATION AND DESIGN BEFORE ROUGH-IN. PERMITTED BY OTHERS.
CS09W	AIR AND WATER MACHINE; PROVIDE CONCRETE PAD. REFER TO DETAIL CK-160 FOR PAD DIMENSIONS.
CS10	24" CURB & GUTTER; REFER TO DETAIL CK-120 AND CK-125.
CS12	LIGHT POLE BASE (TYPICAL - PER LIGHTING PLAN); REFER TO DETAIL CK-190 AND ARCHITECTURAL PLANS BY OTHERS.
CS13	ELECTRIC TRANSFORMER PAD; GC TO COORDINATE LOCATION WITH LOCAL PROVIDER. LOCAL PROVIDER CAN SUPERSEDE THE PROPOSED TRANSFORMER PAD LOCATION.
CS14	EXISTING SIGNALIZED INTERSECTION.
CS16A	ROOF LADDER PAD; 4'X6' STANDARD DUTY CONCRETE
CS20	OUTDOOR SEATING AREA; REFER TO PLAN FOR CONCRETE PAD DIMENSIONS.
CS21	TWO (2) OUTDOOR SEATING TABLES: ONE (1) U-LINE H-2126R SQUARE STANDARD & ONE (1) U-LINE 2671R SQUARE ADA.
CS22	CUSTOMER ONLY SEATING SIGN; REFER TO DETAIL CK-199.
CS24	BICYCLE RACK; REFER TO DETAIL CK-198 OR LOCAL REQUIREMENT.
CS26	4" BOLLARD AND COVER, REFER TO DETAIL CK-180 AND CK-197 (TYP.). CENTER ON ADA STRIPING. 6" ON CENTER SPACING. REFER TO PLAN FOR COUNT.
CS27	6" BOLLARD AND COVER, REFER TO DETAIL CK-180 AND FUELING PLANS FOR LOCATION AND COUNT (TYP.).
CS31	ACCESSIBLE PARKING SIGN (TYPICAL - PER ADA AND LOCAL CODES) R7-8A (MUTCD) MOUNTED IN A BOLLARD; REFER TO DETAIL CK-185.
CS32	ADA ACCESSIBLE PARKING SPACE AND SYMBOL STRIPING; REFER TO DETAIL CK-105 AND CK-110. PER ADA AND LOCAL CODES.
CS33	ADA ACCESSIBLE AISLE AND STRIPING, PER ADA AND LOCAL CODES; REFER TO DETAIL CK-105.
CS34	WHITE 3'-9" SP MINI - SKIP LINE
CS35	DIRECTIONAL TRAFFIC ARROW (PER LOCAL CODES); REFER TO DETAIL CK-115 (TYP.).
CS36	PROPOSED DETENTION POND
CS41	CANOPY COLUMN (TYP.); REFER TO CANOPY PLANS BY OTHERS.
CS50	ADA TRAVEL PATH STRIPING; REFER TO DETAIL CK-335.
CS51	CARWASH BUILDING; REFER TO ARCHITECTURAL AND MEP PLANS BY OTHERS.
CS52	CAR WASH ACCESSORY EQUIPMENT. REFER TO ARCHITECTURAL AND MEP PLANS BY OTHERS AND DETAIL CK-375.
CS53	TWO (2) BOLLARDS AT CAR WASH ENTRANCE. YELLOW COVERS. REFER TO DETAILS CK-375 AND CK-180.
CS55	30"x30" R1-1 "STOP" SIGN AND 24" WIDE "STOP" BAR.
CS57	AIR MACHINE PAVEMENT MARKING; REFER TO DETAIL CK-165.
CS59	FUEL DISPENSER DIRECTIONAL SIGN
CS60	CAR WASH DIRECTIONAL SIGN
S01	RIGHT-OF-WAY (TYP.)
S02	PROPERTY LINE
S03	TOWN OF ANGIER SIGN EASEMENT
S08	FLUSH CURB
S09	SIDEWALK RAMP @ 8.33% MAXIMUM (TYPICAL - PER ADA AND LOCAL CODES)
S24	VARIABLE WIDTH SCM ACCESS AND MAINTENANCE EASEMENT
S25	CROSS ACCESS EASEMENT
S30	4" THICK CONCRETE SIDEWALK; REFER TO PLANS FOR WIDTH DIMENSIONS
S31	FULL ACCESS DRIVEWAY
S32	ROAD WIDENING FOR RIGHT TURN LANE
S36	10' X 70' SIGHT DISTANCE TRIANGLE (TYP.)

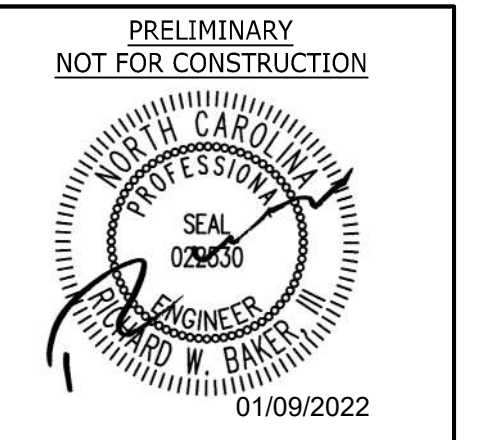
SITE PLAN SUMMARY

PROJECT:	CIRCLE K - NTI NC-55 KENNEBEC - ANGIER, NC
OWNER:	ALBERMARLE PROPERTIES LLC
PROJECT ADDRESS:	9706 KENNEBEC CHURCH ROAD, ANGIER, NC 27501
FIN:	0675-50-0400
JURISDICTION:	ANGIER
ZONING:	GC (GENERAL COMMERCIAL)
EXISTING USE:	VACANT
PROPOSED USE:	CONVENIENCE STORE W/ GAS SALES & CAR WASH
FLOOD ZONE:	NOT LOCATED IN FLOOD HAZARD AREA PER FEMA MAP #3720087500K (EFFECTIVE 10/03/2006)
PROP. TRACT AREA:	3.40 AC (145,166 SF)
PROPOSED OUTPARCEL AREA:	2.54 AC
DISTURBED AREA:	4.20 AC
EXISTING IMPERVIOUS SURFACE AREA:	4750 SF (0.2%)
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TYPE OF BUILDING CONSTRUCTION:	CONVENIENCE STORE - V-B (NON-SPRINKLERED)
TYPE OF CANOPY CONSTRUCTION:	I-B
PROP. CONVENIENCE BUILDING SQUARE FOOTAGE:	3,666 SF
VEHICLE PARKING SUMMARY - REQUIRED:	CONVENIENCE STORES W/ GAS SALES: 1 SPACE PER 150 SQUARE FEET OF GFA = 3,666 SF / 150 SF = 25 SPACES REQUIRED. TOTAL = 25 SPACES (1 MUST BE AN ADA SPACE)
VEHICLE PARKING SUMMARY - PROVIDED:	25 PASSENGER PARKING SPACES 2 ADA SPACES (2 ARE VAN ACCESSIBLE) TOTAL: 27 SPACES
HOURS OF OPERATION:	24 HOUR OPERATION



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J. FRENCH
DESIGNED BY
J. DOOLEY
CHECKED BY
R. BAKER
SCALE
AS SHOWN

TIMMONS GROUP

NORTH CAROLINA LICENSE NO. C-1652

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC

TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA

SITE PLAN

JOB NO.	37630.105
SHEET NO.	C2.0

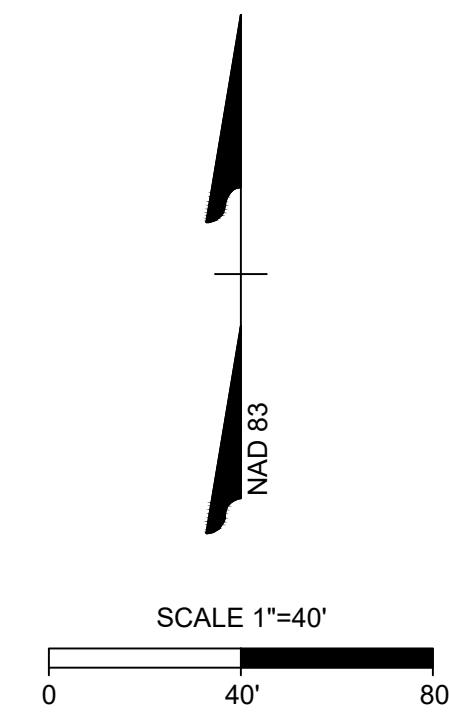
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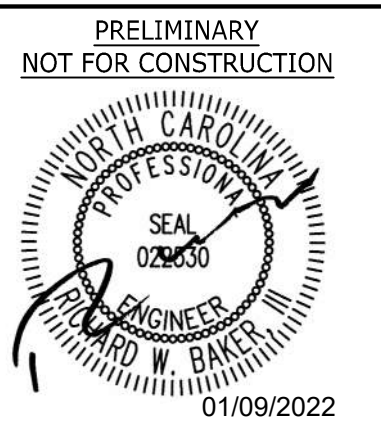
PAVING KEYNOTES		
NUMBER	HATCH	DESCRIPTION
P01		EXISTING PAVEMENT TO REMAIN UNDISTURBED.
P04		HEAVY DUTY ASPHALT PAVING; REFER TO PAVEMENT SECTIONS DETAIL
P08		STANDARD DUTY CONCRETE PAVING; REFER TO PAVEMENT SECTIONS DETAIL
P09		HEAVY DUTY CONCRETE PAVING; REFER TO PAVEMENT SECTIONS DETAIL
P13		PRIVATE CONCRETE SIDEWALK; REFER TO PAVEMENT SECTIONS DETAIL
P15		PUBLIC CONCRETE SIDEWALK; REFER TO NCDOT DETAIL #720-150-00
P16		BUILDING PAD; REFER TO ARCHITECTURAL PLANS BY OTHERS
P18		TRANSFORMER PAD PER UTILITY PROVIDER SPECIFICATIONS.
P20		NCDOT ASPHALT, REFER TO PAVEMENT SECTIONS
CP20		CONCRETE PAVING OVER UST TANKS; REFER TO FUELING PLANS BY OTHERS FOR DETAILS.
CP21		THICKENED EDGE; REFER TO DETAIL CK-155 AND CK-150.
CP22		REFER TO CONCRETE PAVEMENT JOINT DETAIL (TYP.); REFER TO DETAIL CK-175.

NOTE: CURB & GUTTER NOT HATCHED. REFER TO SITE LAYOUT PLAN FOR ADDITIONAL INFORMATION.



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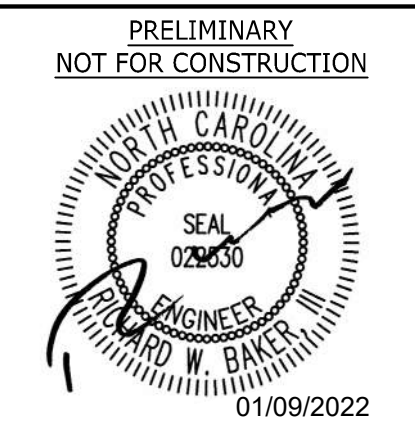
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DATE
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 DRAWN BY
 J. YOKLEY
 DESIGNED BY
 J. DOOLEY
 CHECKED BY
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 SCALE
 AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
PAVING PLAN

JOB NO.
 37630.105
 SHEET NO.
 C2.1

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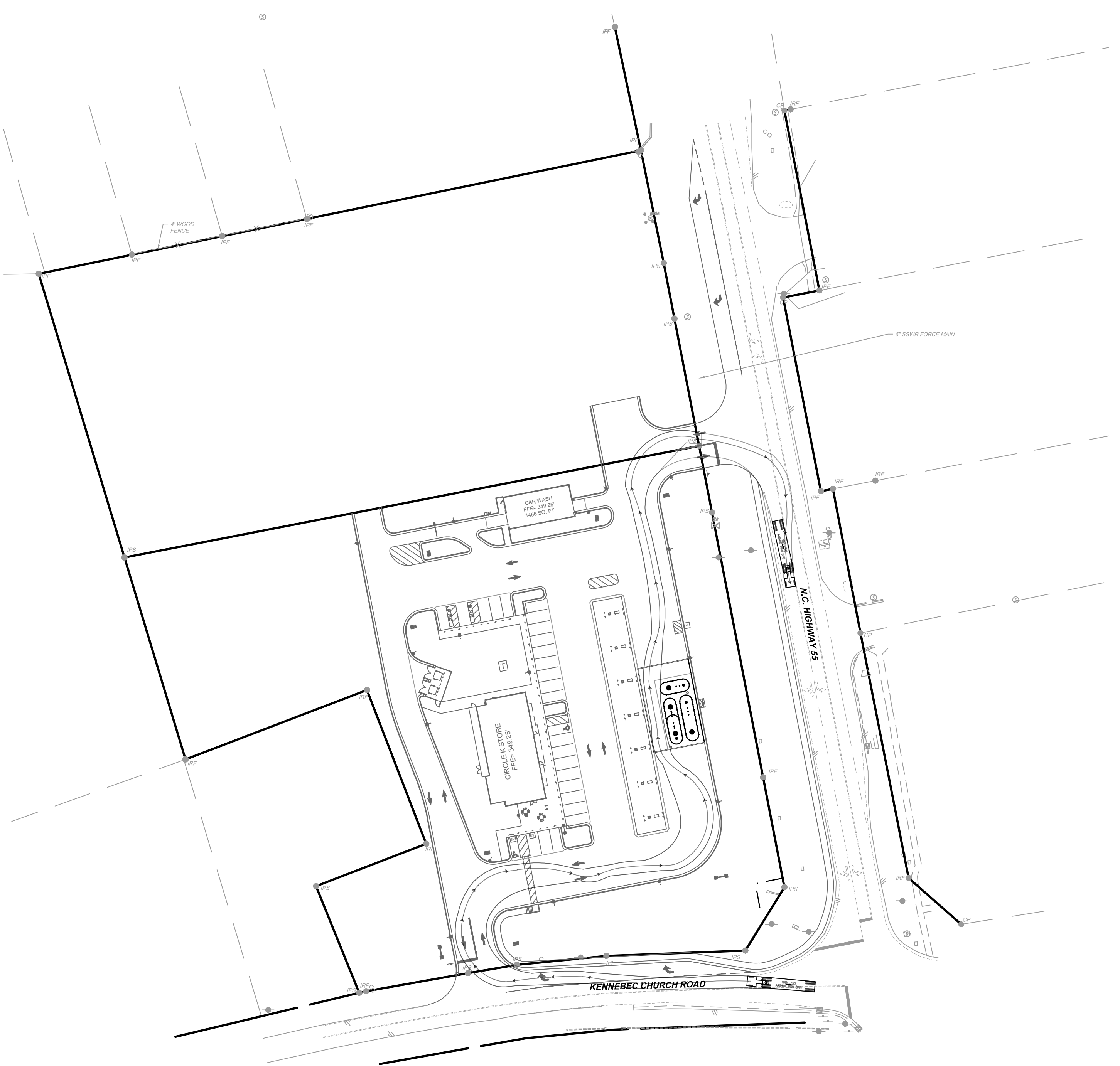
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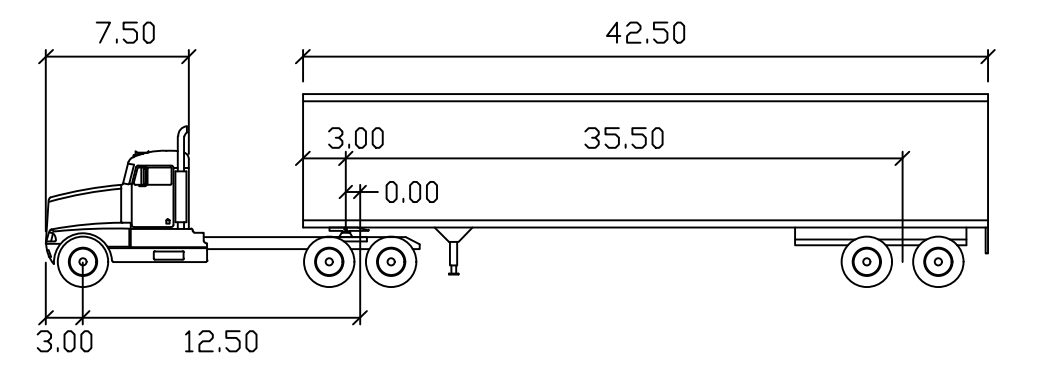
REVISION DESCRIPTION	DATE

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
VEHICULAR ROUTING PLAN

JOB NO. 37630.105
 SHEET NO. C2.2



GAS TRUCK ROUTING (WB-50)

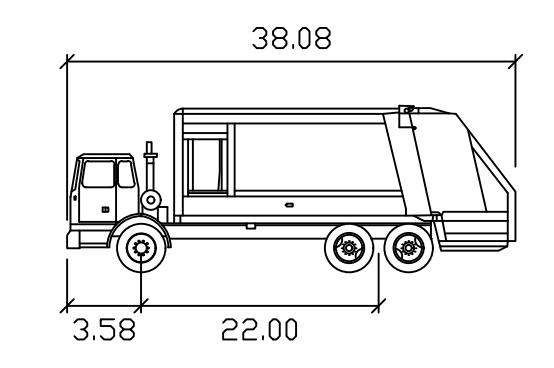


WB-50

feet			
Tractor Width	: 8.00	Lock to Lock Time	: 6.0
Trailer Width	: 8.50	Steering Angle	: 17.7
Tractor Track	: 8.00	Articulating Angle	: 70.0
Trailer Track	: 8.50		



GARBAGE TRUCK ROUTING

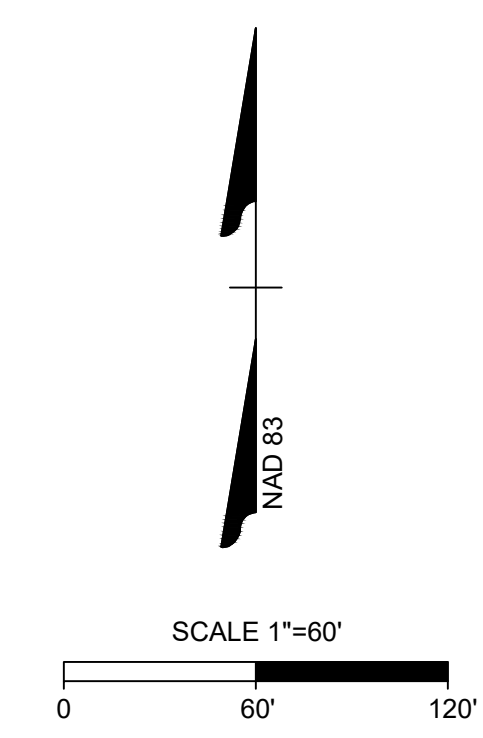


Rear-Load Garbage Truck

feet	
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 27.4

PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

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NOTES:
 1. TOP REFERS TO:
 1.1. CATCH BASIN: TOP OF CURB
 1.2. YARD INLET: SILL

STORM PIPE TABLE								
FROM - TO	PIPE #	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	MATERIAL	DESCRIPTION	DIA.
CB103 - FE102	103-102	339.62'	339.26'	0.97%	36.59 LF	RCP	CLASS III, O-RING	24"
CB104 - CB103	104-103	340.92'	339.62'	0.98%	132.41 LF	RCP	CLASS III	18"
CB105 - CB104	105-104	342.39'	340.92'	0.97%	151.56 LF	RCP	CLASS III	18"
CB106 - CB105	106-105	343.31'	342.40'	0.98%	92.79 LF	RCP	CLASS III	15"
DI107 - CB103	107-103	341.28'	339.69'	1.00%	159.17 LF	RCP	CLASS III	18"
ES201 - ES200	201-200	341.78'	341.77'	0.21%	3.41 LF	RCP	CLASS III	15"
RS101 - FE100	101-100	336.48'	336.00'	0.88%	55.08 LF	RCP	CLASS III, O-RING	15"

STORM STRUCTURE TABLE				
STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CB103	346.44'	339.62' (18" RCP FROM CB104) 339.69' (18" RCP FROM DI107)	339.62' (24" RCP TO FE102)	NCDOT 840.02 CONCRETE CATCH BASIN
CB104	346.59'	340.92' (18" RCP FROM CB105)	340.92' (18" RCP TO CB103)	NCDOT 840.02 CONCRETE CATCH BASIN
CB105	348.19'	342.40' (15" RCP FROM CB106)	342.39' (18" RCP TO CB104)	NCDOT 840.02 CONCRETE CATCH BASIN
CB106	347.73'		343.31' (15" RCP TO CB105)	NCDOT 840.02 CONCRETE CATCH BASIN
DI107	347.32'		341.28' (18" RCP TO CB103)	NCDOT 840.14 CONCRETE DROP INLET
ES200		341.77' (15" RCP FROM ES201)		CONNECT TO EX 15" RCP
ES201			341.78' (15" RCP TO ES200)	END SECTION
FE100		336.00' (15" RCP FROM RS101)		FLARED END SECTION
FE102		339.26' (24" RCP FROM CB103)		FLARED END SECTION
RS101			336.48' (15" RCP TO FE100)	RISER STRUCTURE; SEE DETAIL

- ### GRADING AND STORM DRAINAGE NOTES
- CONTRACTOR SHALL CALL "NORTH CAROLINA ONE CALL" (811) AT LEAST 3 DAYS PRIOR TO DIGGING TO HAVE EXISTING UTILITIES LOCATED. REPORT ANY DISCREPANCIES TO THE ENGINEER.
 - CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES INVOLVED IN ANY RELATED RELOCATION (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
 - EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
 - THE CATCH BASINS AND YARD INLETS SHALL BE CONSTRUCTED IN THE LOCATIONS SHOWN UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES IN THE CATCH BASIN ELEVATIONS OR THE PROPOSED PIPE SLOPES TO THE ENGINEER. THE CONTRACTOR IS ALSO RESPONSIBLE TO REPORT ANY CONFLICTS BETWEEN ANY UTILITY, STORM DRAIN LINE, WATER LINE, SEWER LINE OR ANY OTHER PROPOSED OR EXISTING STRUCTURE TO THE ENGINEER. A LAND DISTURBING PERMIT WILL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY LAND-DISTURBING ACTIVITIES.
 - ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, VALVE BOXES CLEANOUTS, ETC. SHALL BE ADJUSTED AS NEEDED TO MATCH FINISHED GRADE.
 - ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNER'S INDEPENDENT TESTING LABORATORY.
 - ALL SPOT ELEVATIONS INDICATED ARE AT TOP OF CURB UNLESS NOTED OTHERWISE. ALL ELEVATIONS ARE BASED ON VERTICAL DATUM NAVD88.
 - A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED PRIOR TO ANY WORK, GRADING OR INSTALLATION OF EROSION CONTROL MEASURES.
 - ALL HANDICAP PARKING SPACES AND STRIPED ACCESSIBILITY AISLES ARE TO HAVE NO MORE THAN A 1:50 (2.0%) SLOPE IN ALL DIRECTIONS. ALL SIDEWALKS ARE TO HAVE NO MORE THAN A 1:20 (5.0%) SLOPE FOR THE LENGTH OF THE SIDEWALK AND NO MORE THAN A 1:50 (2.0%) SLOPE FOR THE WIDTH OF THE SIDEWALK.
 - CONTRACTOR TO IDENTIFY ALL NECESSARY SPILL CURB SECTION LOCATIONS AND INSTALL TO ENSURE POSITIVE DRAINAGE TO STORM STRUCTURES.
 - IF CONTRACTOR NOTICES ANY DISCREPANCIES IN ANY OF THESE SLOPE REQUIREMENTS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER PRIOR TO POURING ANY CONCRETE SO THAT A SOLUTION CAN BE FOUND.
 - SPOT ELEVATIONS ARE GIVEN AT THE MAJORITY OF THE MAJOR BREAK POINTS BUT IT SHOULD NOT BE ASSUMED THAT ALL NECESSARY SPOT ELEVATIONS ARE SHOWN. DUE TO SPACE LIMITATIONS, THERE MAY BE OTHER CRITICAL SPOTS NOT LABELED THAT SHOULD BE TAKEN INTO CONSIDERATION THE CONTRACTOR SHALL REVIEW THE GRADING PLAN IN DETAIL AND SHALL ENSURE THAT ALL CRITICAL GRADE POINTS ARE STAKED AND FOLLOWED TO PROVIDE POSITIVE DRAINAGE.
 - EXISTING VEGETATION WITHIN TREE PROTECTIVE AREAS SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE. ANY AND ALL LANDSCAPING AND EXISTING TREES AND SHRUBS TO REMAIN WHICH ARE DAMAGED DURING DEMOLITION OR CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR USING A LICENSED LANDSCAPE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF-SITE. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY THE EROSION CONTROL INSPECTOR OR THE ENGINEER.
 - THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR WASTE AREAS.
 - ALL CATCH BASINS MUST BE MARKED "DUMP NO WASTE DRAINS TO STREAM" OR EQUIVALENT.

GRADING PLAN KEYNOTES	
NUMBER	DESCRIPTION
CG01	TAPER CURB AND GUTTER TO FULL HEIGHT OVER 10' (TYP.); REFER TO DETAIL CK-135.
CG02	CONNECT ROOF DRAIN DOWN SPOUTS UNDERGROUND TO STORM PIPE; REFER TO PLAN FOR SIZE (TYP.). REFER TO DETAIL CK-212.
CG05	STORM CLEANOUT; REFER TO DETAIL CK-210. TRAFFIC RATED IF WITHIN PAVEMENT (TYP.).
CG06	ROOF DRAIN SYSTEM, REFER TO PLAN FOR SIZE AND MATERIAL. MINIMUM COVER OF 2" AND MINIMUM SLOPE OF 1.00%.
G12	CURB & GUTTER (TYP.).
G15	10' WIDE MAINTENANCE BERM; REFER TO STORMWATER CONTROL MEASURE DESIGN.
G16	DRY POND STORMWATER CONTROL MEASURE
G22	VARIABLE WIDTH SCM ACCESS AND MAINTENANCE EASEMENT
G23	ADA ACCESS (MAX SLOPE 1:50)
G28	ADA ACCESS ROUTE (MAXIMUM CROSS SLOPE = 1:50; MAX LONGITUDINAL SLOPE = 1:20)
G30	MATCH EXISTING PAVEMENT ELEVATION
G31	RIP RAP PAD
G40	INLINE ADA RAMP
G41	EXISTING 15" RCP



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REVISION DESCRIPTION	DATE
	10/10/2022

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J. YOKLEY

DESIGNED BY
J. DOOLEY

CHECKED BY
R. BAKER

SCALE
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TIMMONS GROUP

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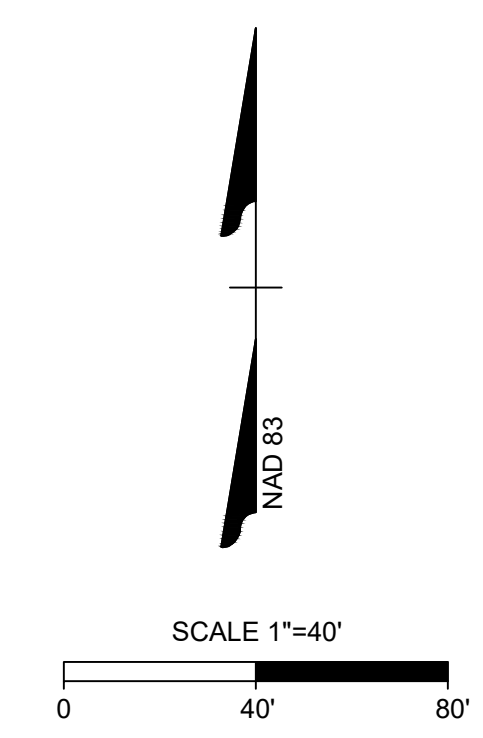
GRADING AND DRAINAGE PLAN

JOB NO.
37630.105

SHEET NO.
C3.0

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SPOT ELEVATION LEGEND

- TC = TOP OF CURB
- ME = MATCH EXISTING
- GND = GROUND
- SWK = SIDEWALK
- HP = HIGH POINT
- FC = FLUSH CURB
- PVMT = PAVEMENT

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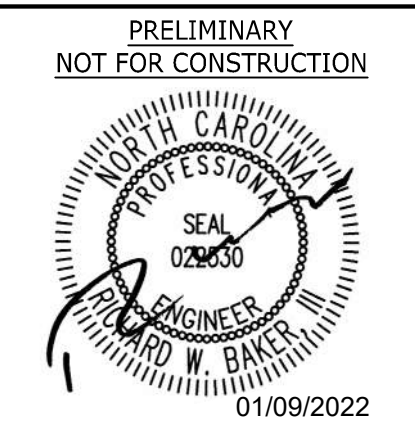
SPOT GRADING PLAN

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SHEET NO.
C3.1

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MATCH LINE (SEE C3.1)



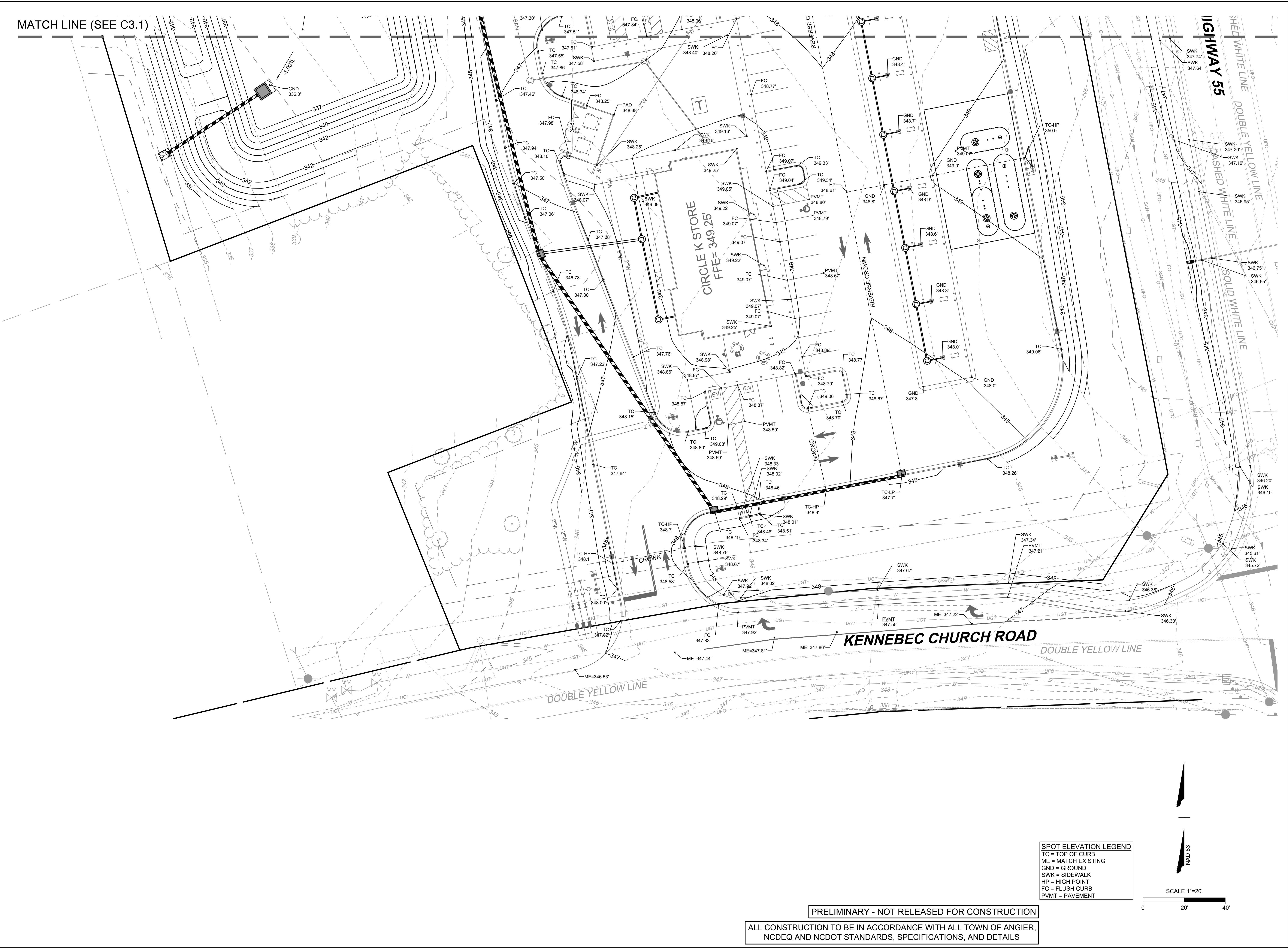
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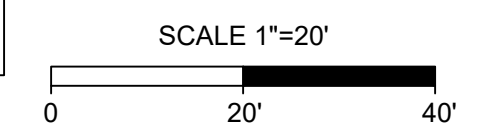
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NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
SPOT GRADING PLAN

JOB NO.
37630.105
SHEET NO.
C3.2



SPOT ELEVATION LEGEND

- TC = TOP OF CURB
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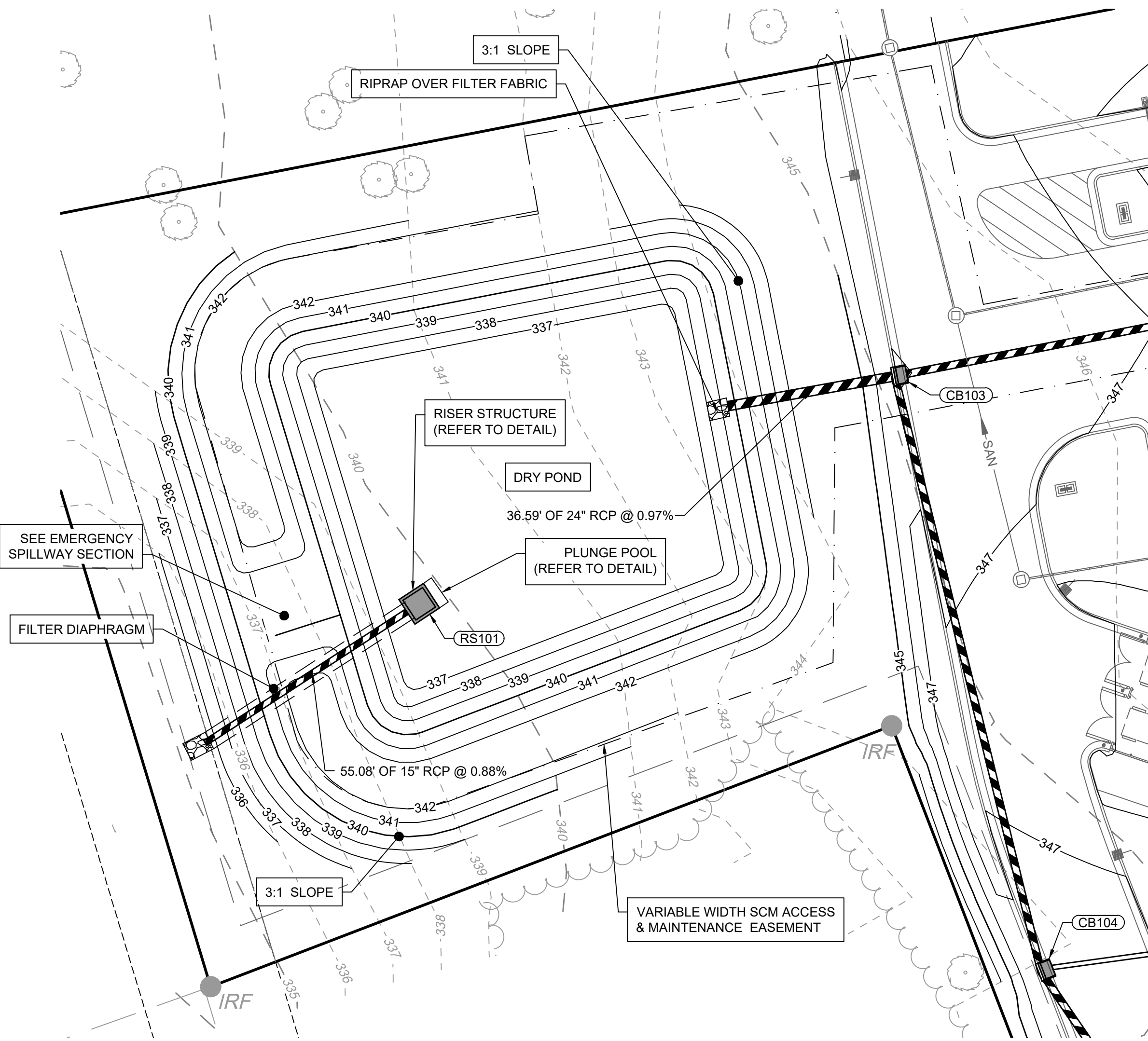
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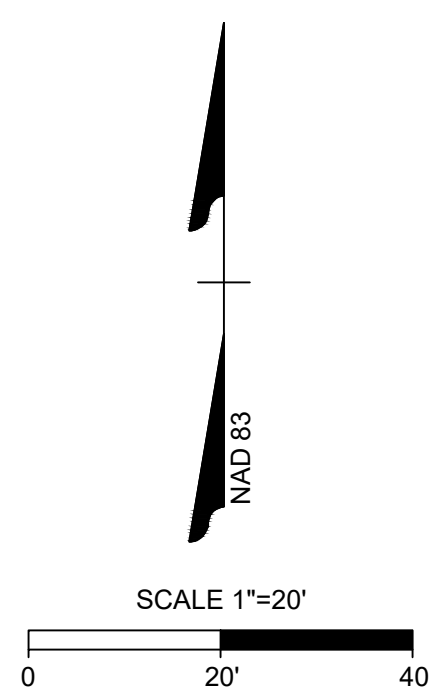
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DRY POND - PLAN VIEW

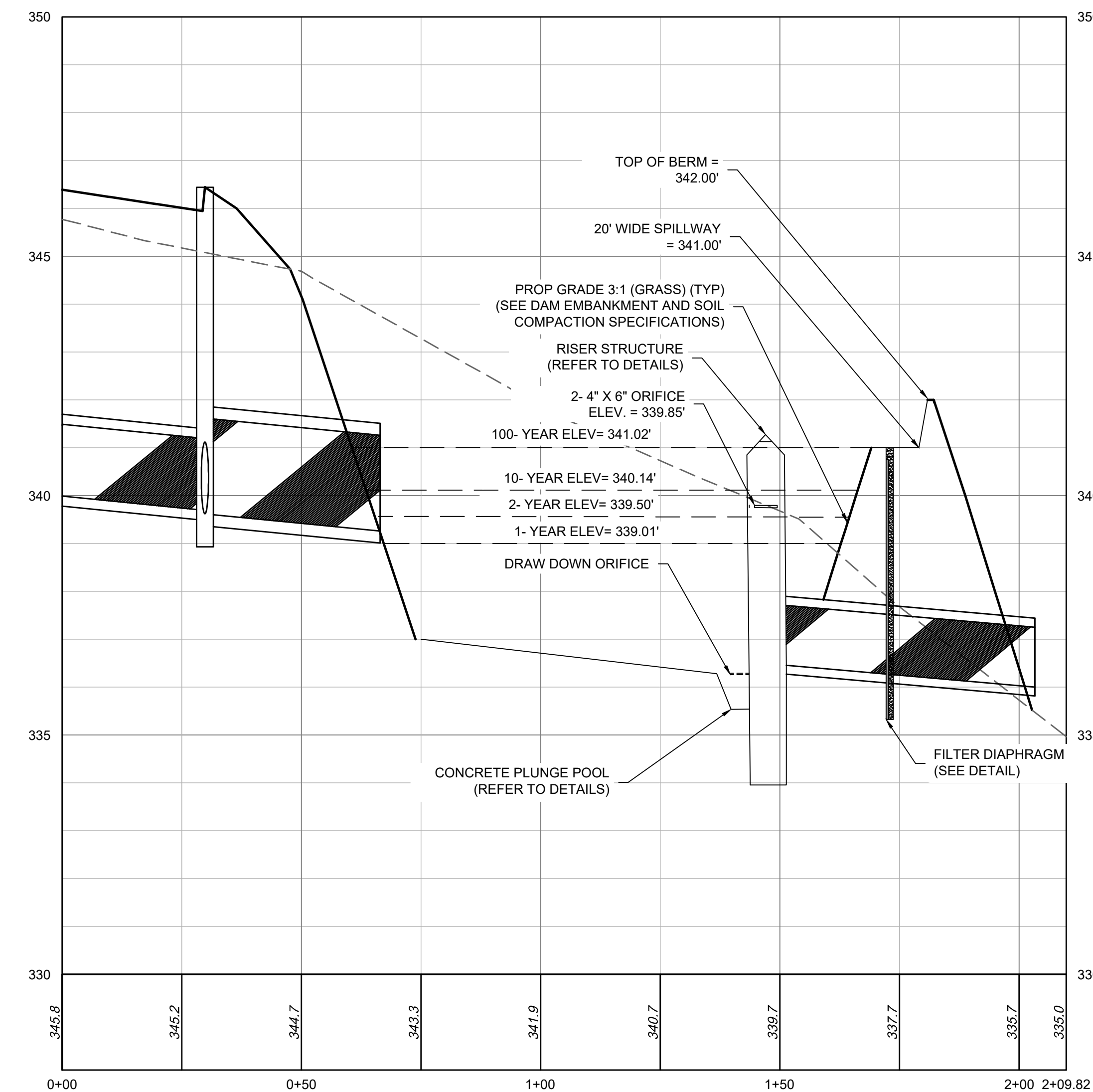


DRY POND CONSTRUCTION NOTES:

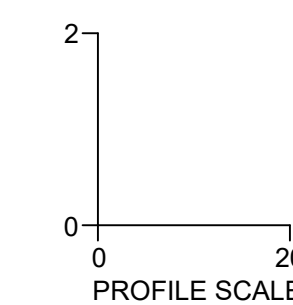
- SIDE SLOPES STABILIZED WITH VEGETATION SHALL BE NO STEEPER THAN 3:1.
- THE POND SHALL BE STABILIZED WITHIN 14 DAYS OF CONSTRUCTION.
- THE GRADES SHOWN ON THIS PLAN ARE FINISHED GRADES AND INCLUDE AT LEAST FOUR INCHES OF TOPSOIL IS REQUIRED FOR BOTH LINED AND UNLINED PONDS. A SOIL ANALYSIS SHOULD BE CONDUCTED WITHIN THE STORMWATER FACILITY AREA TO ASSURE HEALTHY VEGETATION GROWTH AND TO PROVIDE ADEQUATE INFILTRATION RATES.
- PRIOR TO CERTIFICATION, A DENSE STAND OF NON-CLUMPING TURF GRASS MUST BE IN PLACE ON ALL SLOPES, DAM, AND SPILLWAY. CONTRACTOR TO RE-SEED OR RE-SOD BARE SPOTS AS NEEDED AND INSTALL SLOPE STABILIZATION NETTING.

BERM EMBANKMENT AND SOIL COMPACTION SPECIFICATIONS:

- CONTROLLED FILL AS SPECIFIED BY THE GEOTECHNICAL ENGINEER. IN THE BERM EMBANKMENT KEY TRENCH SHALL BE PLACED IN 6-INCH LOOSE LAYERS (3-INCH LOOSE LAYERS WITHIN 3- FEET OF EITHER SIDE OF THE PRINCIPAL SPILLWAY PIPE TO A DEPTH OF 2- FEET OVER THE PIPE) AND SHALL BE COMPACTED TO A DENSITY OF NO LESS THAN 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY AT A MOISTURE CONTENT OF + OR - TWO PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698.
- ALL VISIBLE ORGANIC DEBRIS SUCH AS ROOTS AND LIMBS SHALL BE REMOVED FROM THE FILL MATERIAL PRIOR TO COMPACTION TO THE REQUIRED DENSITY. SOILS WITH ORGANIC MATTER CONTENT EXCEEDING 5% BY WEIGHT SHALL NOT BE USED. STONES GREATER THAN 3-INCH (IN ANY DIRECTION) SHALL BE REMOVED FROM THE FILL PRIOR TO COMPACTION.
- FILL MATERIAL PLACED AT DENSITIES LOWER THAN SPECIFIED MINIMUM DENSITIES OR AT MOISTURE CONTENTS OUTSIDE THE SPECIFIED RANGES OR OTHERWISE NOT CONFORMING TO SPECIFIED REQUIREMENTS SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIALS.
- ANY FILL LAYER THAT IS SMOOTH DRUM ROLLED TO REDUCE MOISTURE PENETRATION DURING A STORM EVENT SHALL BE PROPERLY SCARIFIED PRIOR TO THE PLACEMENT OF THE NEXT SOIL LIFT.
- SURFACE WATER AND STREAM FLOW SHALL BE CONTINUOUSLY CONTROLLED THROUGHOUT CONSTRUCTION AND THE PLACEMENT OF CONTROLLED FILL. FOUNDATION AREAS MAY REQUIRE UNDERCUTTING OF COMPRESSIBLE AND/OR UNSUITABLE SOILS IN ADDITION TO THAT INDICATED ON THE PLANS. ALL SUCH UNDERCUTTING SHALL BE PERFORMED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER AND SHALL BE MONITORED AND DOCUMENTED. IN NO CASE SHALL THERE BE AN ATTEMPT TO STABILIZE ANY PORTIONS OF THE FOUNDATION SOILS WITH CRUSHED STONE.
- TREATMENT OF SEEPAGE AREAS, SUBGRADE PREPARATION, FOUNDATION DEWATERING AND ROCK FOUNDATION PREPARATION (I.E., TREATMENT WITH SLUSH GROUTING, DENTAL CONCRETE, ETC.) MAY BE REQUIRED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER. ALL SUCH ACTIVITIES SHALL BE CLOSELY MONITORED AND DOCUMENTED BY THE GEOTECHNICAL ENGINEER.
- FILL ADJACENT TO THE RISER AND PRINCIPAL SPILLWAY PIPE SHALL BE PLACED SO THAT LIFTS ARE AT THE SAME LEVEL ON BOTH SIDES OF THE STRUCTURES.
- EARTHWORK COMPACTION WITHIN 3- FEET OF ANY STRUCTURES SHALL BE ACCOMPLISHED BY MEANS OF HAND TAMPERS, MANUALLY DIRECTED POWER TAMPERS OR PLATE COMPACTORS OR MINIATURE SELF-PROPELLED ROLLERS.
- COMPACTION BY MEANS OF DROP WEIGHTS FROM A CRANE OR HOIST SHALL NOT BE PERMITTED.
- HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO PASS OVER CAST-IN-PLACE STRUCTURES (INCLUDING THE CRADLE) UNTIL ADEQUATE CURING TIME HAS ELAPSED.
- INSTALL CLAY LINER PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- TO RE-ESTABLISH VEGETATION AFTER CONSTRUCTION, A 2- TO 3-INCH LAYER OF TOPSOIL SHALL BE PLACED ON THE DISTURBED EMBANKMENT SURFACE AND THE AREA TEMPORARILY SEEDED AND MULCHED OR HYDROSEEDING WITH NON-CLUMPING TURF GRASS.
- NO TREES OR WOODY VEGETATION ARE ALLOWED TO BE PLANTED ON THE DAM OR EMBANKMENT.

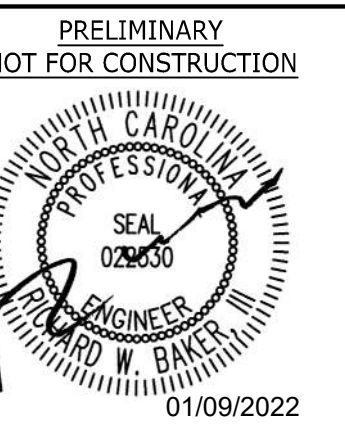


DRY POND - PROFILE VIEW



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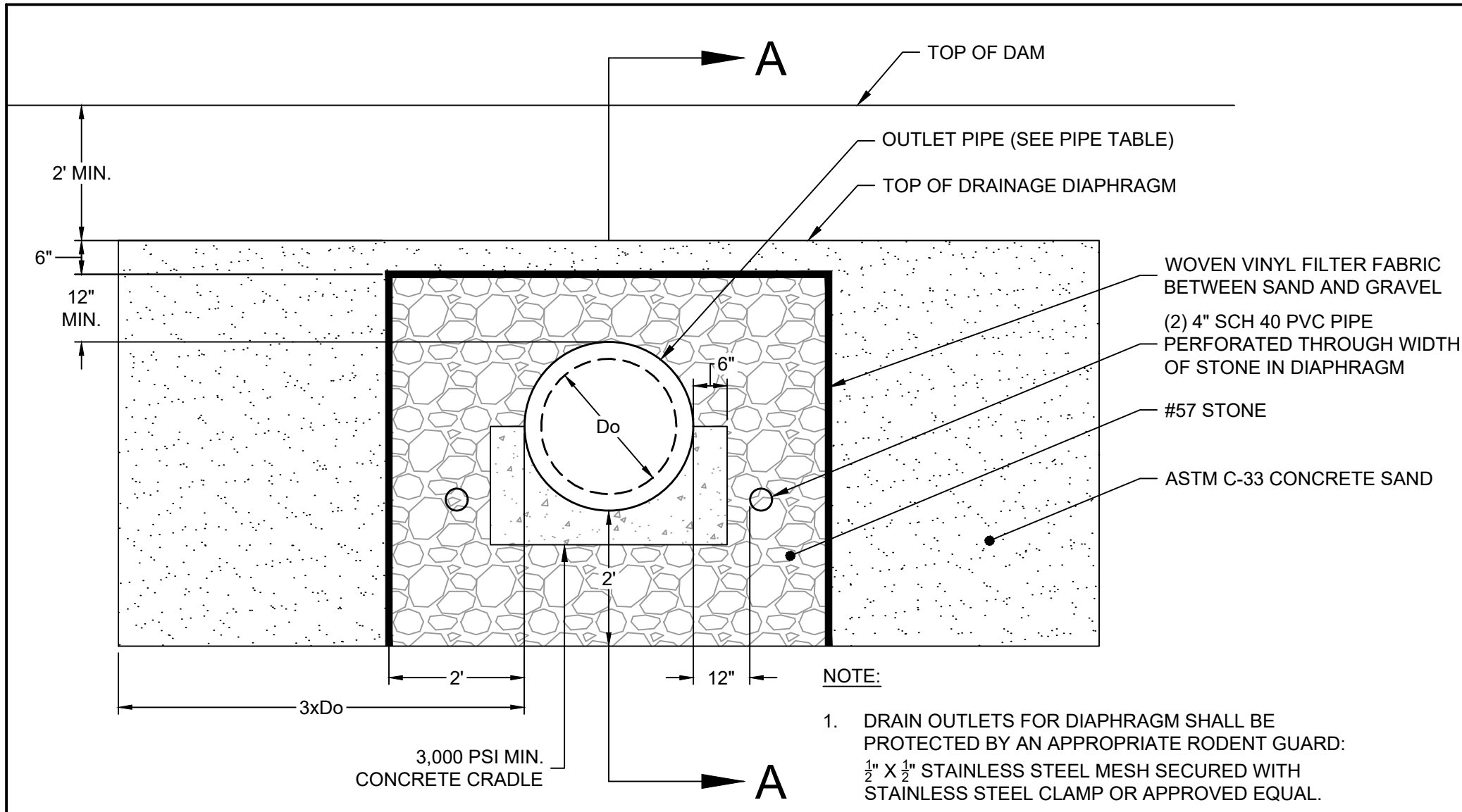
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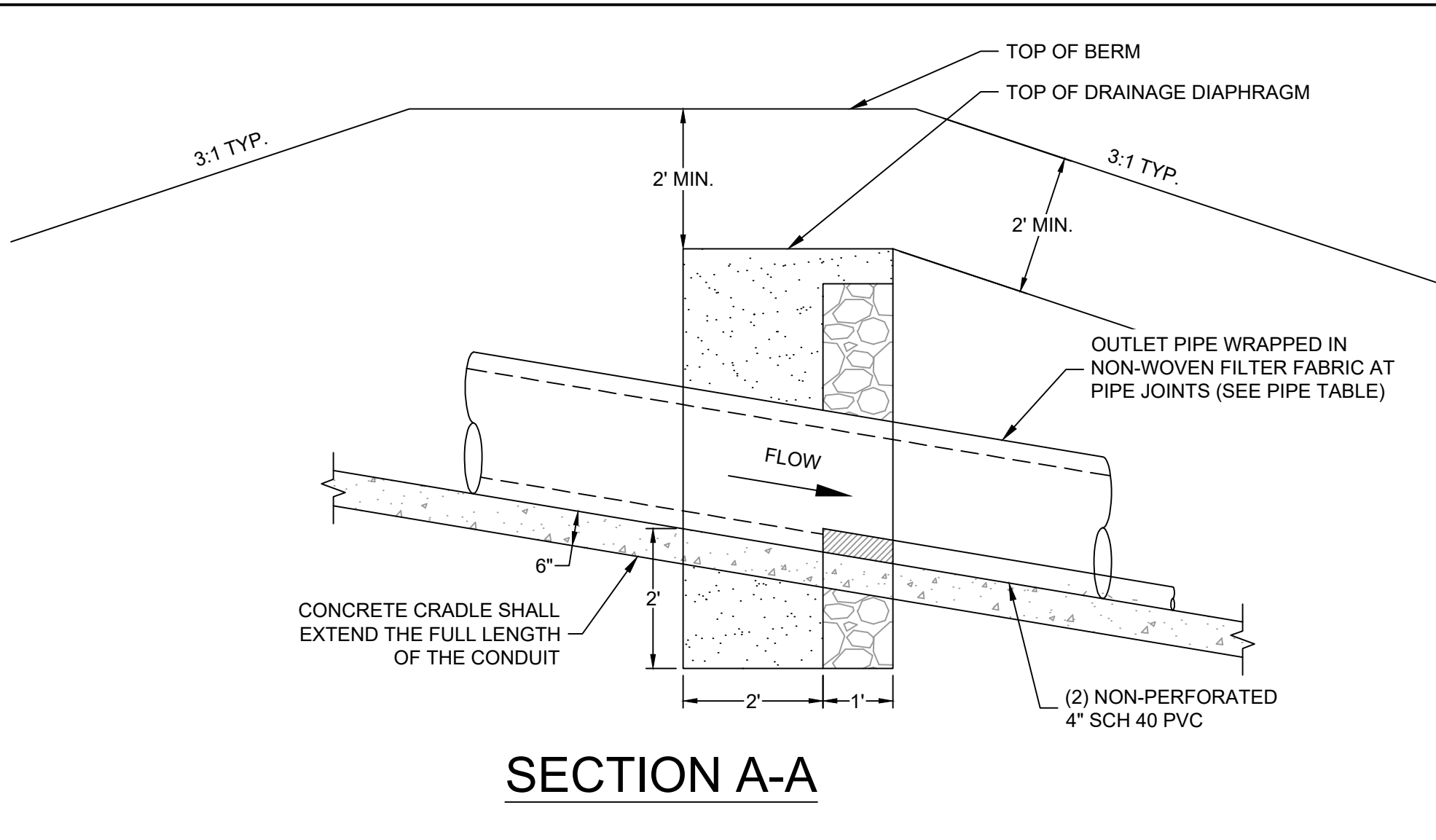
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CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
DRY DETENTION POND PLAN AND PROFILE

JOB NO.
37630.105
SHEET NO.
C3.3

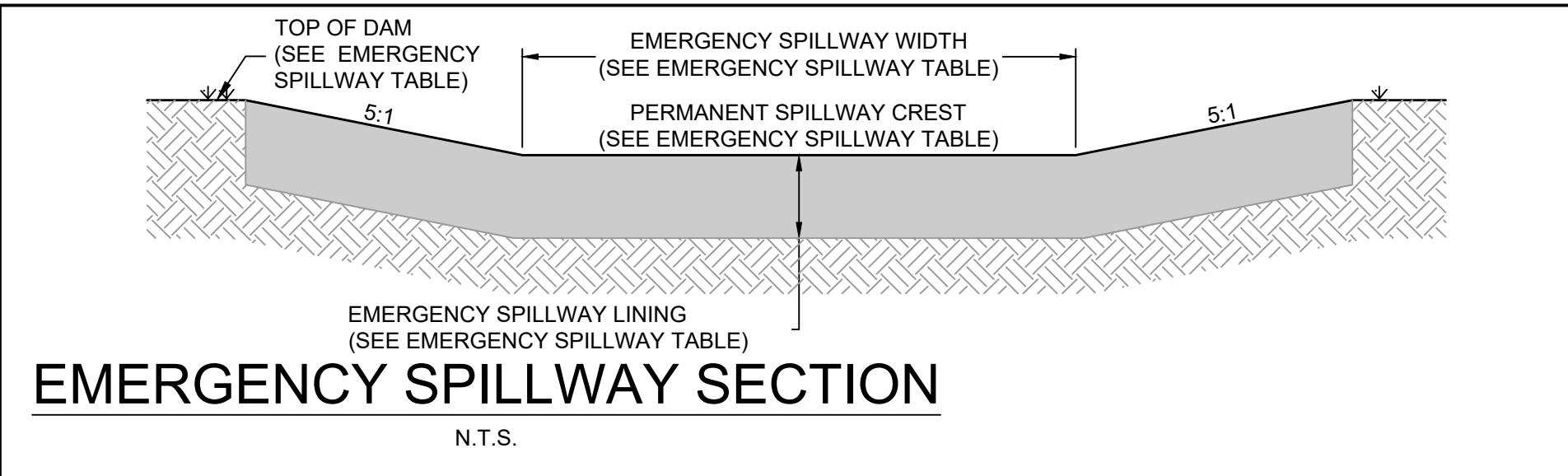
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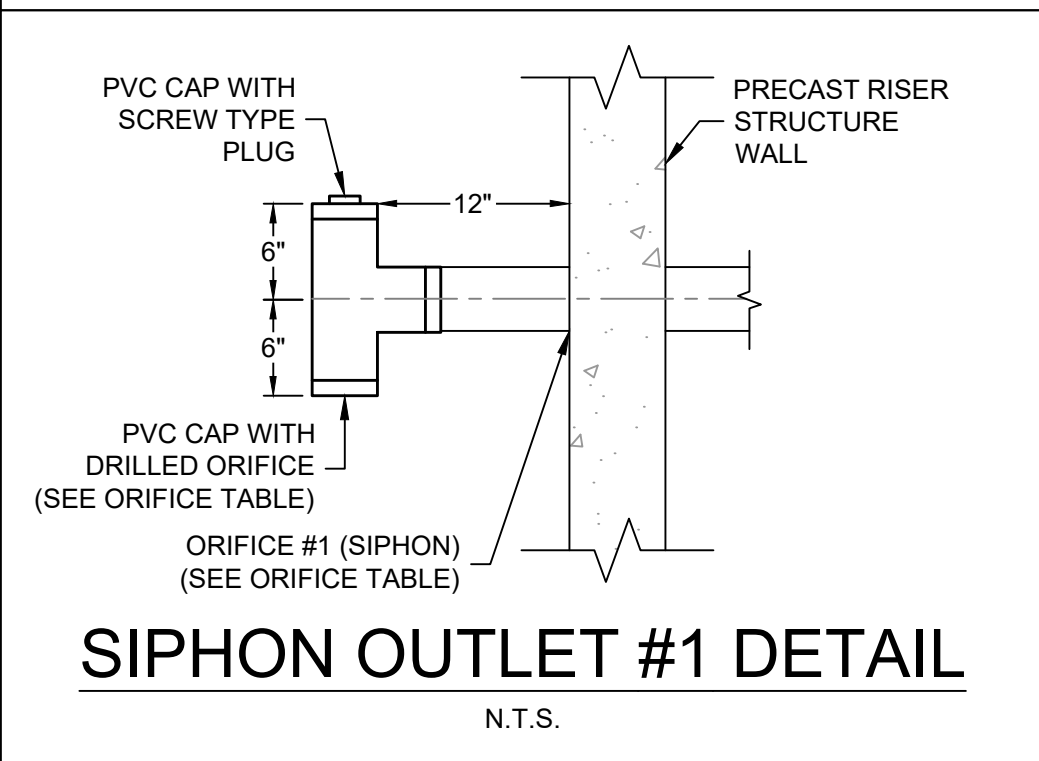
DRAINAGE FILTER DIAPHRAGM DETAIL
N.T.S.



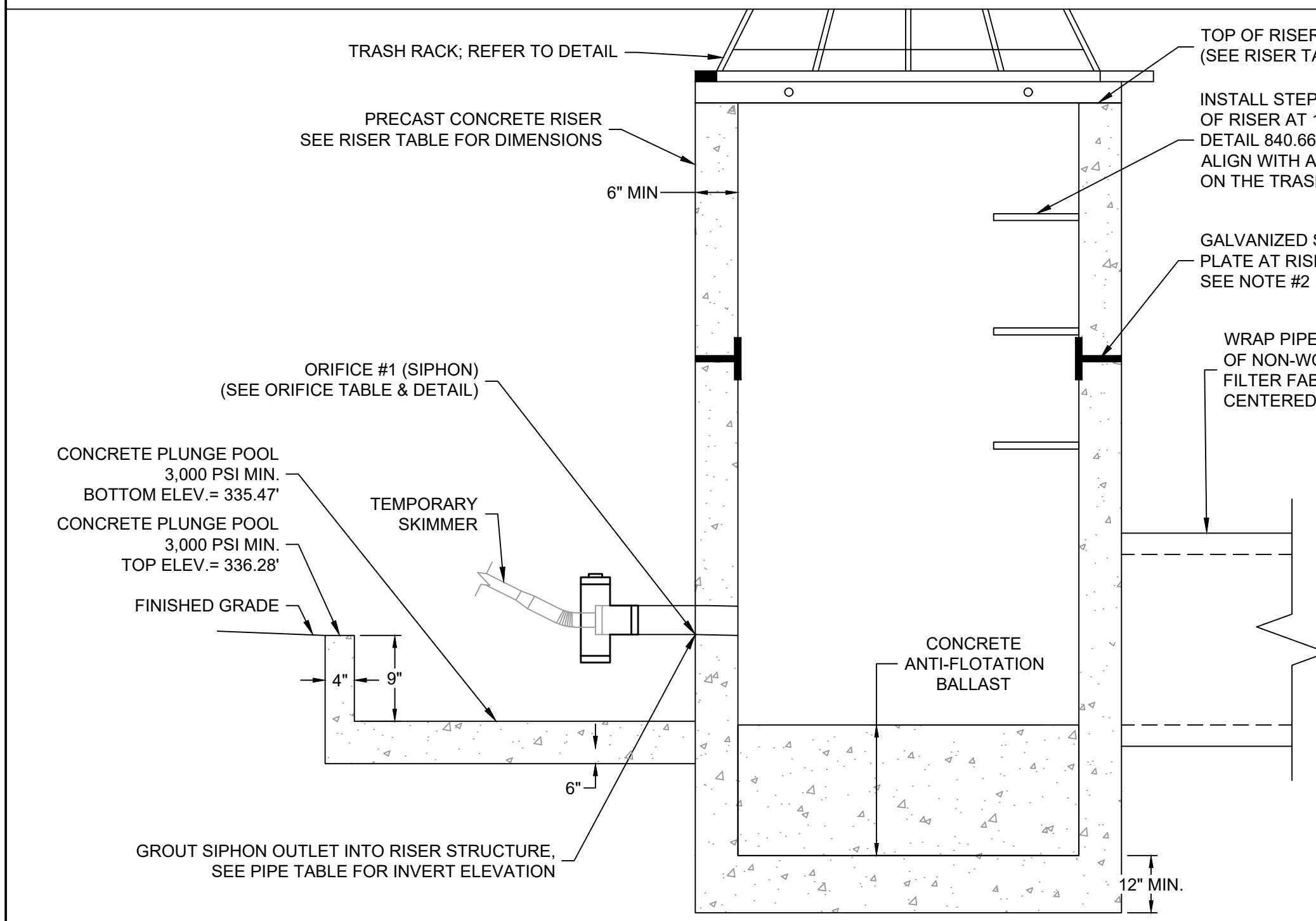
SECTION A-A
N.T.S.



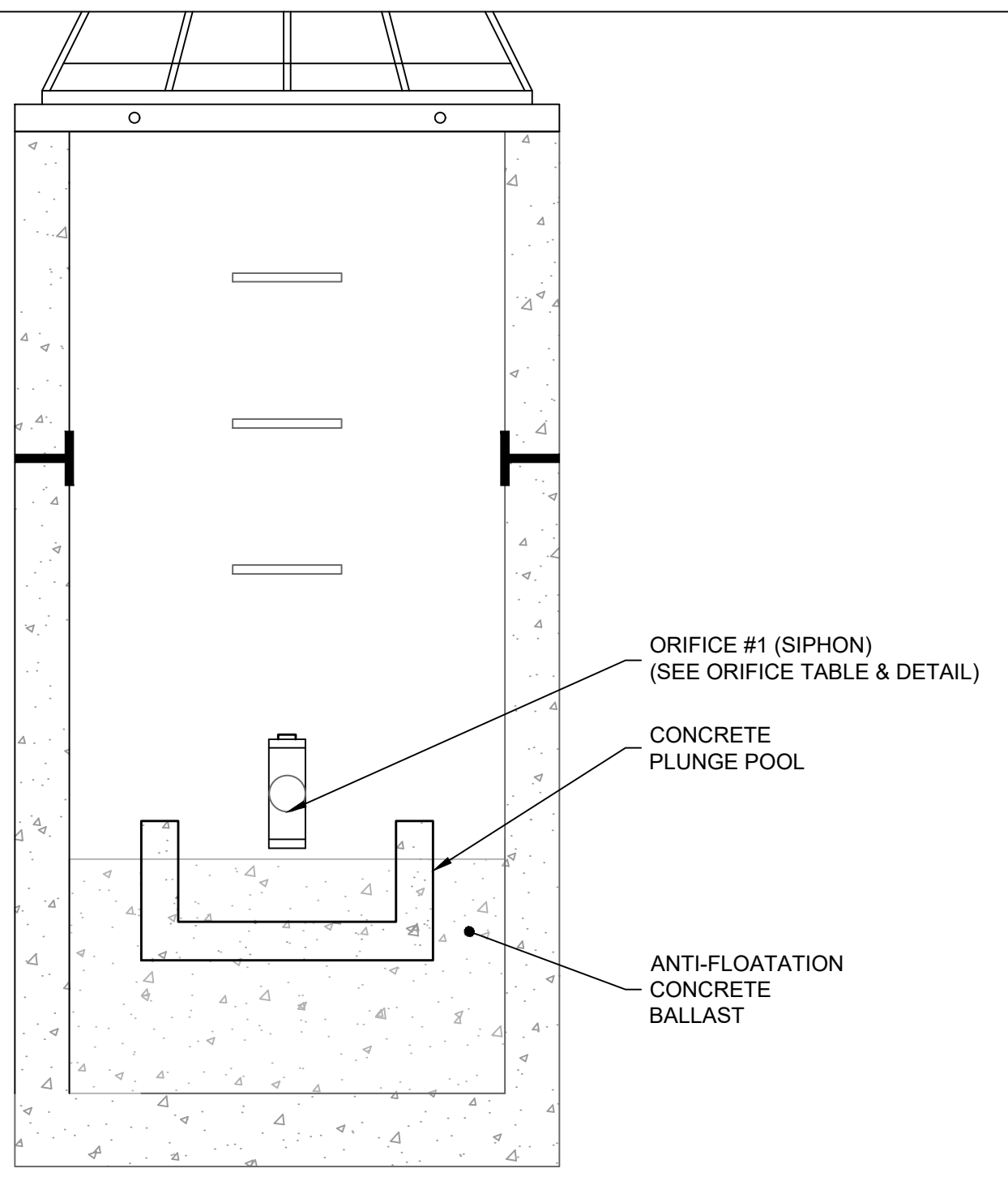
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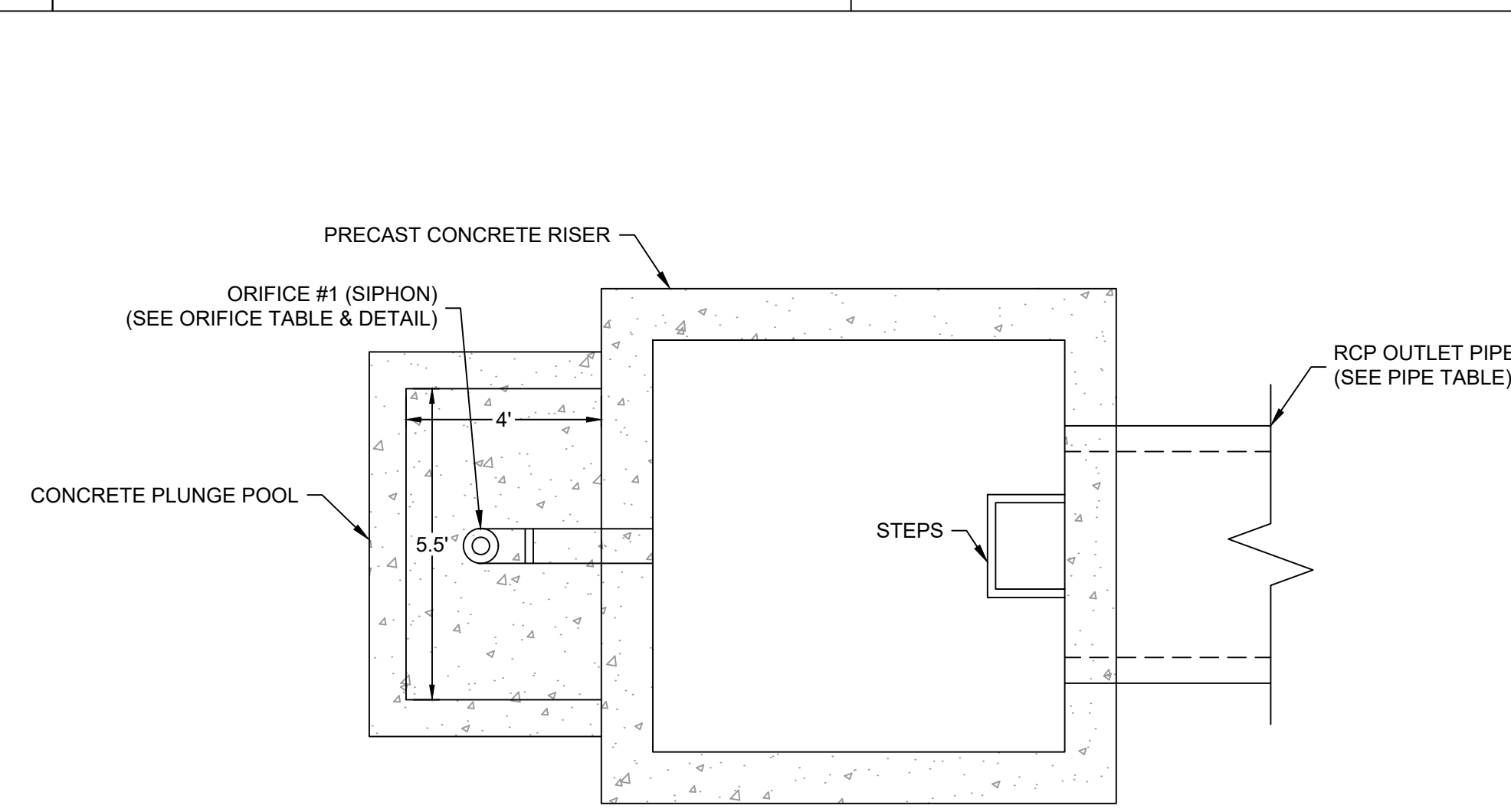
SIPHON OUTLET #1 DETAIL
N.T.S.



RISER DETAIL
N.T.S.



RISER DETAIL
N.T.S.



PLAN VIEW
N.T.S.

NOTES:

- MANUFACTURER SHALL HAVE STRUCTURAL ENGINEER DESIGN CONCRETE REINFORCEMENT TO SUPPORT WEIGHT OF ANTI-FLOATATION BALLAST. REINFORCED CONCRETE STRENGTH SHALL BE 3,000 PSI MIN.
- BOLT A GALVANIZED STEEL PLATE ACROSS EACH RISER JOINT IN (4) LOCATIONS (TYP.). PLATES SHALL BE 4" W X 8" L X 1/4" TH. USE (4) 3/8" X 3" GALVANIZED BOLTS AT EACH PLATE. USE WATERTIGHT JOINTS CONFORMING TO ASTM C1433.
- TRASH RACK NOT SHOWN FOR CLARITY. REFER TO TRASH RACK DETAIL FOR TYPE AND INSTALLATION INFORMATION.

DAM EMBANKMENT AND SOIL COMPACTION SPECIFICATIONS:

- CONTROLLED FILL, AS SPECIFIED BY THE GEOTECHNICAL ENGINEER, IN THE DAM EMBANKMENT /KEY TRENCH SHALL BE PLACED IN 6-INCH LOOSE LAYERS (3-INCH LOOSE LAYERS WITHIN 3- FEET OF EITHER SIDE OF THE PRINCIPAL SPILLWAY PIPE TO A DEPTH OF 2- FEET OVER THE PIPE) AND SHALL BE COMPACTED TO A DENSITY OF NO LESS THAN 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY AT A MOISTURE CONTENT OF + OR - TWO PERCENTAGE POINTS OF THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698.
- ALL VISIBLE ORGANIC DEBRIS SUCH AS ROOTS AND LIMBS SHALL BE REMOVED FROM THE FILL MATERIAL PRIOR TO COMPACTION TO THE REQUIRED DENSITY. SOILS WITH ORGANIC MATTER CONTENT EXCEEDING 5% BY WEIGHT SHALL NOT BE USED. STONES GREATER THAN 3-INCH (IN ANY DIRECTION) SHALL BE REMOVED FROM THE FILL PRIOR TO COMPACTION.
- FILL MATERIAL PLACED AT DENSITIES LOWER THAN SPECIFIED MINIMUM DENSITIES OR AT MOISTURE CONTENTS OUTSIDE THE SPECIFIED RANGES OR OTHERWISE NOT CONFORMING TO SPECIFIED REQUIREMENTS SHALL BE REMOVED AND REPLACED WITH ACCEPTABLE MATERIALS.
- ANY FILL LAYER THAT IS SMOOTH DRUM ROLLED TO REDUCE MOISTURE PENETRATION DURING A STORM EVENT SHALL BE PROPERLY SCARIFIED PRIOR TO THE PLACEMENT OF THE NEXT SOIL LIFT.
- SURFACE WATER AND STREAM FLOW SHALL BE CONTINUOUSLY CONTROLLED THROUGHOUT CONSTRUCTION AND THE PLACEMENT OF CONTROLLED FILL.
- FOUNDATION AREAS MAY REQUIRE UNDERCUTTING OF COMPRESSIBLE AND/OR UNSUITABLE SOILS IN ADDITION TO THAT INDICATED ON THE PLANS. ALL SUCH UNDERCUTTING SHALL BE PERFORMED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER AND SHALL BE MONITORED AND DOCUMENTED. IN NO CASE SHALL THERE BE AN ATTEMPT TO STABILIZE ANY PORTIONS OF THE FOUNDATION SOILS WITH CRUSHED STONE.
- TREATMENT OF SEEPAGE AREAS, SUBGRADE PREPARATION, FOUNDATION Dewatering AND ROCK FOUNDATION PREPARATION (I.E., TREATMENT WITH SLUSH GROUTING, DENTAL CONCRETE, ETC.) MAY BE REQUIRED AT THE DISCRETION OF THE GEOTECHNICAL ENGINEER. ALL S
- HEAVY EQUIPMENT SHALL NOT BE ALLOWED TO PASS OVER CAST-IN-PLACE STRUCTURES (INCLUDING THE CRADLE) UNTIL ADEQUATE CURING TIME HAS ELAPSED.
- TO RE-ESTABLISH VEGETATION AFTER CONSTRUCTION, A 4-INCH LAYER OF TOPSOIL SHALL BE PLACED ON THE DISTURBED EMBANKMENT SURFACE AND THE AREA SEEDED AND MULCHED OR HYDROSEEDED. TESTING, OBSERVATION, AND CERTIFICATION
- TESTS OF THE DEGREE (%) OF COMPACTION OF THE PLACED FILL IN THE DAM/KEY TRENCH SHALL BE PERFORMED AS A PART OF THE PERMITTEE'S NORMAL QUALITY CONTROL PROGRAM FOR THE CONSTRUCTION OF THE DAM. TESTS SHALL BE CONDUCTED CONCURRENT WITH THE INSTALLATION OF THE COMPACTED FILL AND THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE DAM SO THAT THE TESTING CAN BE COMPLETED. SHOULD THE RESULTS OF THE TESTS INDICATE THAT THE SPECIFIED DEGREE OF COMPACTION HAS NOT BEEN OBTAINED; THE PORTIONS OF THE DAM REPRESENTED BY SUCH TESTS SHALL BE REWORKED OR REBUILT. ALL PORTIONS OF THE DAM SHALL ACHIEVE THE SPECIFIED MINIMUM DEGREE OF COMPACTION.
- CONSTRUCTION OF CLASS A, B AND C DAM EMBANKMENTS SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED GEOTECHNICAL ENGINEER, WHO IS REGISTERED AS A PROFESSIONAL ENGINEER IN THE STATE OF NORTH CAROLINA. THE GEOTECHNICAL ENGINEER MUST HAVE EXPERIENCE IN THE DESIGN AND CONSTRUCTION MONITORING OF DAMS OF THE SIZE AND SCOPE COVERED BY THESE STANDARDS AND GUIDELINES.
- ON CLASS A, B, AND C DAMS (WITH THE EXCEPTION OF DETENTION ONLY CLASS C DAMS THAT COLLECT DRAINAGE FROM AN AREA OF 25-ACRES OR LESS), THE GEOTECHNICAL ENGINEER, AS DEFINED ABOVE, SHALL OBSERVE ALL ASPECTS OF THE CONSTRUCTION OF THE DAM (I.E., PREPARATION OF THE FOUNDATION, INSTALLATION OF THE CUT-OFF TRENCH, INSTALLATION OF THE PRINCIPAL SPILLWAY PIPE, INSTALLATION OF THE INTERNAL DRAINAGE, INSTALLATION OF COMPACTED FILL, ETC.). THE FREQUENCY OF OBSERVATION AND TESTING MUST BE SUFFICIENT FOR THE GEOTECHNICAL ENGINEER (OR THE DESIGN ENGINEER ON CLASS D DAMS AND CLASS C, DETENTION ONLY, DAMS)

ORIFICE TABLE				
	SIZE	DRILLED ORIFICE SIZE	MATERIAL	INVERT ELEV.
ORIFICE #1 (SIPHON)	2"	1.5"	PVC SCH 40	337.00'

RISER TABLE		
	INVERT ELEVATION	INTERIOR DIMENSIONS
TOP OF RISER	340.85'	48" X 48"
TOP OF CONCRETE ANTI-FLOATATION BALLAST	336.28'	N/A
BOTTOM OF CONCRETE BASE	334.00	N/A

EMERGENCY SPILLWAY TABLE	
TOP OF BERM ELEVATION:	
PERM. SPILLWAY CREST ELEVATION:	342.00'
EMERGENCY SPILLWAY CREST ELEVATION:	341.00'
EMERGENCY SPILLWAY BASE WIDTH:	10.00'
EMERGENCY SPILLWAY TOP WIDTH:	20.00'
EMERGENCY SPILLWAY LINING: NORTH AMERICAN GREEN P300	

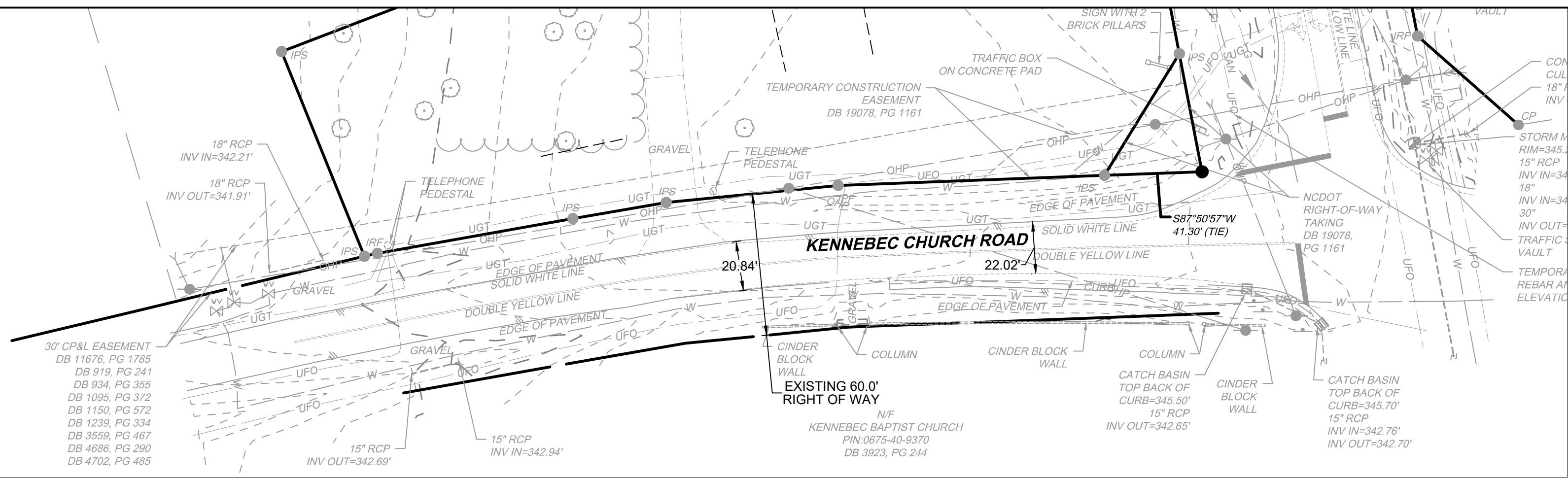
StormRax Peak Roof Series Square/Rectangular Trash Racks (Standard Sizes)

*** Minimum opening size is 3 3/4" x 11 7/16"
*** Maximum opening size is 7 1/2" x 11 7/16"

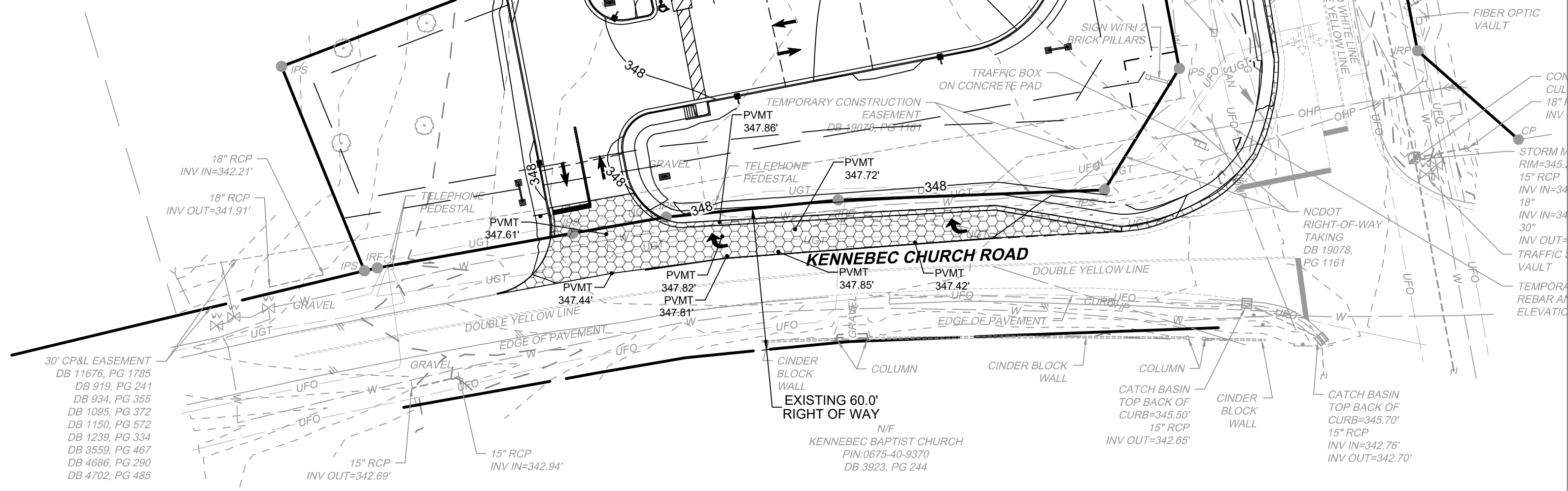
Available Options:
Removable Access Hatch
HDPE Anti Vortex Plates
Additional Lengths Available
ALIGN ACCESS HATCH WITH STEPS

HOST STRUCTURE INFORMATION	
STR. ID LENGTH	48"
STR. ID WIDTH	48"
WALL THICKNESS (REQ'D)	6"

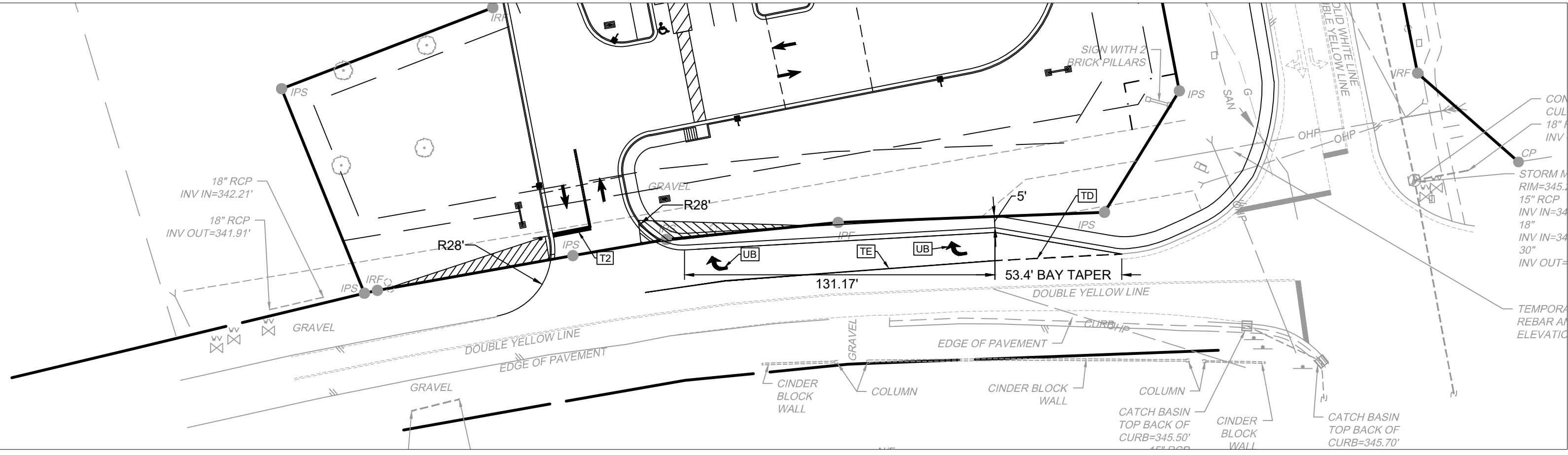
Dimensions Codes (A, B, C)	
Width A	Length B
55 1/2"	67 1/2"
55 1/2"	79"
55 1/2"	91"
55 1/2"	103"
55 1/2"	115"
55 1/2"	126 1/2"
55 1/2"	138"
55 1/2"	150"
55 1/2"	162"
55 1/2"	174"
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55 1/2"	198"
55 1/2"	210"
55 1/2"	222"
55 1/2"	234"
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55 1/2"	282"
55 1/2"	294"
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KENNEBEC CHURCH ROAD - EXISTING CONDITIONS - EXISTING ROW

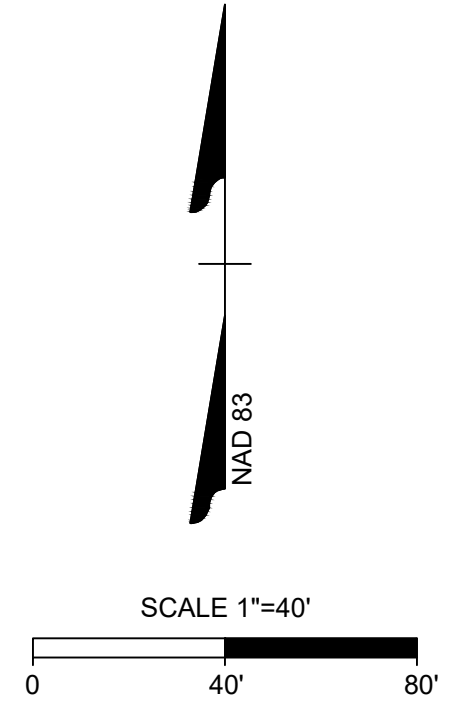


KENNEBEC CHURCH ROAD - PROPOSED WIDENING, TRAFFIC SIGNAL MODIFICATIONS, AND GRADING



KENNEBEC CHURCH ROAD- PROPOSED STRIPING AND SIGNAGE

TRAFFIC CONTROL KEYNOTES			
Symbol	Description	Material	Linear Length Adjustment
T2	WHITE STOPBAR (24" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01.	Thermo	1
TD	5 FT. 9 FT. 7.5P WHITE MINISKIP (4" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01.	Thermo	0.25
TE	WHITE SOLID LANE LINE (4" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01.	Thermo	1
UB	RIGHT TURN ARROW (60 MIL); REFER TO NCDOT STANDARD DETAIL 1205.08.	Thermo	1



PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

TRANSPORTATION CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ANGIER AND/OR NCDOT STANDARDS.
- THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).
- PRIOR TO START OF WORK, A PRE-CONSTRUCTION MEETING MUST BE SET UP WITH THE CONTRACTOR AND NCDOT STAFF.
- PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGED INFRASTRUCTURE IN THE RIGHT-OF-WAY AND RESTORE IT TO PREVIOUS OR BETTER CONDITION.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGES TO ADJACENT PROPERTIES AND RESTORE IT TO PREVIOUS OR BETTER CONDITION.
- ALL SIDEWALKS MUST BE ACCESSIBLE TO PERSONS WHO ARE VISUALLY IMPAIRED AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

TRAFFIC CONTROL AND PEDESTRIAN PLAN NOTES

- GENERAL NOTES:**
- ALL WORK SHALL BE IN ACCORDANCE WITH TOWN OF ANGIER AND/OR NCDOT STANDARD DETAILS AND SPECIFICATIONS.
 - PRIOR TO THE START OF WORK, THE CLIENT SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH NCDOT TO REVIEW THE SPECIFIC COMPONENTS OF THE APPROVED PLAN, AND ENSURE ALL PERMITS ARE ISSUED.
 - MUST HAVE AN ISSUED RIGHT-OF-WAY PERMIT FOR STREET, LANE AND/OR SIDEWALK CLOSURE TO CONDUCT ANY WORK IN THE RIGHT-OF-WAY.
 - ALL PERMITS MUST BE AVAILABLE ON-SITE DURING THE OPERATION.
 - FIELD ADJUSTMENTS TO THE APPROVED PLAN MAY BE REQUIRED BY NCDOT AS NEEDED DURING CONSTRUCTION.
 - ANY REVISION TO THE APPROVED PLAN MUST BE APPROVED BY NCDOT PRIOR TO IMPLEMENTATION.
 - ANY DAMAGE TO THE RIGHT OF WAY SHALL BE REPAIRED PER NCDOT SPECIFICATIONS AT NO COST TO THE CITY.
 - ALL PAVEMENT MARKINGS SHALL BE RESTORED TO ORIGINAL PLACEMENT AND CONDITIONS.
 - CONSTRUCTION FENCING SHOULD NOT ENCRoACH INTO THE PUBLIC RIGHT OF WAY. IF IT DOES, IT MUST BE MOVABLE IN CASE ADJUSTMENTS HAVE TO BE MADE. NO DRILLING, BORING OR ANY PERMANENT FASTENING OF THE FENCE IS ALLOWED IN THE PUBLIC RIGHT OF WAY.
 - NO PORTABLE RESTROOMS ARE PERMITTED IN THE PUBLIC RIGHT-OF-WAY. ACCESSIBLE RESTROOMS MUST BE PROVIDED ON SITE.
 - ALL SIGNAGE MUST BE VERIFIED AND MAINTAINED PROPERLY BY CONTRACTOR BEFORE THE START OF WORK AND REMAIN INTACT FOR THE DURATION OF THE PROJECT.
 - DRIVEWAYS IMPACTED BY THE LANE CLOSURE MUST REMAIN ACCESSIBLE.
 - WHEN WORK IS PERFORMED WITHIN A SCHOOL ZONE DURING SCHOOL OPERATIONAL HOURS, WORK MUST NOT IMPIDE WITHIN THE POSTED SCHOOL TRAFFIC TIMES. THE WORK BEING PERFORMED MUST BE REPORTED TO THE PRINCIPAL OF THE SCHOOL PRIOR TO COMMENCEMENT OF WORK.
 - SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF THE PROJECT. SUCH MEASURES INCLUDE BUT ARE NOT LIMITED TO: SILT FENCE, INLET PROTECTION, AND CONSTRUCTION ENTRANCE.
 - THE STORM WATER CONTROL DEVICES CANNOT INTERFERE WITH ANY ADA ACCESSIBLE PATH.
 - ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO BEGINNING ANY EXCAVATION OR UNDERGROUND CONSTRUCTION. ALL UNDERGROUND UTILITY LOCATES SHALL BE ORDERED NO LESS THAN 3 DAYS PRIOR AND NO MORE THAN 12 DAYS PRIOR TO THE BEGINNING OF SAID EXCAVATION OR UNDERGROUND CONSTRUCTION.
 - CURB/SIDEWALK REMOVAL DEBRIS, PRE-MADE BUILDING PACKAGES, GRAVEL, SOIL, ETC. SHALL NOT BE STOCKPILED WITHIN THE PUBLIC RIGHT OF WAY.
 - IF WORK IS BEING PERFORMED 5' FROM BACK OF CURB NO LANE CLOSURE IS REQUIRED. SIGNAGE OF WORK AHEAD IS REQUIRED TO NOTIFY TRAFFIC AND PEDESTRIANS.
 - IF WORK IS BEING PERFORMED 15' FROM THE EDGE OF PAVEMENT NO LANE CLOSURE. SIGNAGE OF WORK AHEAD IS REQUIRED TO NOTIFY TRAFFIC AND PEDESTRIANS.
 - A MINIMUM TWO-WAY ACCESS OF 20' IS REQUIRED AT ALL TIMES FOR TRAFFIC, NOT INCLUDING THE CURB AND GUTTER AREAS.
 - IF ANY OPERATOR/CONTRACTOR PARKS IN A RESIDENTIAL AREA FORCING THE HOMEOWNER/RESIDENT TO PARK ON THE OTHER SIDE OF THE ROAD, NARROWING TO 20' OR LESS, THE OPERATOR/CONTRACTOR IS LIABLE TO ENSURE A LANE CLOSURE PERMIT IS OBTAINED.
 - SIGHT VISIBILITY MUST BE MAINTAINED AT ALL TIMES.

LANE OBSTRUCTIONS:

ALL TRAFFIC CONTROL, SIGNAGE AND PRACTICES SHALL ADHERE TO THE MANUAL ON UNIFORM TRAFFIC CONTROL, AND THE LATEST EDITION OF THE NCDOT "STANDARD SPECIFICATION FOR ROADWAY STRUCTURES", NCDOT "ROADWAY STANDARD DRAWING MANUAL", AND THE NCDOT SUPPLEMENT TO THE MUTCD.

- LANE OBSTRUCTIONS: PRIOR TO ANY LANE OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY NCDOT AT LEAST FIVE BUSINESS DAYS PRIOR TO THE START OF WORK. THE CONTRACTOR MUST HAVE AN APPROVED PERMIT NUMBER AND TRAFFIC CONTROL PLAN (IF PREVIOUSLY APPROVED).

IF THERE IS NO APPROVED TRAFFIC CONTROL PLAN OR PERMIT, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A PLAN AND PERMIT REQUEST FOR APPROVAL.

STREET OBSTRUCTIONS (FULL STREET CLOSURE FOR CONSTRUCTION PURPOSES):

FULL STREET CLOSURES MUST BE PERMITTED AND COORDINATED WITH NCDOT IN ADVANCE. LANE CLOSURES MUST BE COORDINATED WITH NCDOT IN ACCORDANCE WITH PERMITS.

- STREET OBSTRUCTIONS: PRIOR TO ANY FULL STREET OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY NCDOT AT LEAST THREE WEEKS PRIOR TO THE START OF WORK. THE CONTRACTOR MUST HAVE AN APPROVED PERMIT NUMBER AND TRAFFIC CONTROL PLAN AND DETOUR PLAN (IF PREVIOUSLY APPROVED) AND PROVIDE THE FOLLOWING INFORMATION TO NCDOT:
 - RIGHT-OF-WAY PERMIT NUMBER
 - DURATION OF OBSTRUCTION
 - CONTACT PERSON (NAME, PHONE NUMBER, EMAIL)

IF THERE IS NO APPROVED TRAFFIC CONTROL PLAN, DETOUR PLAN AND PERMIT REQUEST, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A PLAN AND PERMIT REQUEST FOR APPROVAL.

- THE CONTRACTOR IS RESPONSIBLE FOR SENDING NOTIFICATIONS TO ALL AFFECTED PROPERTY AND BUSINESS OWNERS AT LEAST TWO WEEKS BEFORE THE START OF THE WORK.
- DRIVEWAYS IMPACTED BY THE STREET CLOSURE MUST REMAIN ACCESSIBLE.
- THE STREET MUST REMAIN ACCESSIBLE FOR LOCAL TRAFFIC.
- STEEL PLATING MUST BE AVAILABLE ON-SITE TO ALLOW FOR QUICK ACCESS FOR EMERGENCY VEHICLES OVER OPEN CUTS.

SIDEWALK OBSTRUCTIONS:

ALL SIDEWALKS ARE PUBLIC AND MUST BE ACCESSIBLE TO PEDESTRIANS WHO ARE VISUALLY IMPAIRED AND/OR PEOPLE WITH MOBILITY DISABILITIES. EXISTING AND ALTERNATIVE PEDESTRIAN ROUTES DURING CONSTRUCTION SHALL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), THE ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

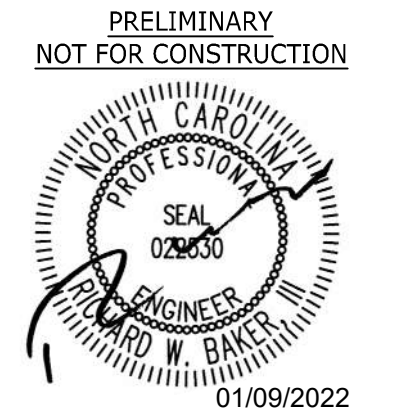
SIDEWALKS CAN BE OBSTRUCTED TEMPORARILY FOR A CONTRACTOR TO PERFORM WORK; HOWEVER PROPER SIDEWALK CLOSURES MUST BE OBTAINED. ANY OBSTRUCTION IN THE SIDEWALK MUST BE APPROVED PRIOR TO THE SETUP OF THE WORK AREA. ANY TIME A SIDEWALK IS OBSTRUCTED AND IMPEDES PEDESTRIANS, A SAFE ALTERNATIVE ROUTE MUST BE PROVIDED.

SIDEWALK OBSTRUCTIONS: PRIOR TO ANY SIDEWALK OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY NCDOT AT LEAST FIVE BUSINESS DAYS PRIOR TO THE START OF WORK. THE CONTRACTOR MUST HAVE AN APPROVED PERMIT NUMBER AND PEDESTRIAN PLAN (IF PREVIOUSLY APPROVED) AND PROVIDE THE FOLLOWING INFORMATION TO NCDOT:

- RIGHT-OF-WAY PERMIT NUMBER
- DURATION OF OBSTRUCTION
- CONTACT PERSON (NAME, PHONE NUMBER, EMAIL)

IF THERE IS NO APPROVED PEDESTRIAN PLAN THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A PLAN AND PERMIT REQUEST FOR APPROVAL.

- IF A SIDEWALK IS CLOSED AN ALTERNATIVE SAFE PEDESTRIAN PATH MUST BE PROVIDED. IF THE SIDEWALK IS CLOSED ALONG MAJOR CORRIDORS AN ADDITIONAL PERSON IS REQUIRED TO ASSIST IN TRAFFIC OF PEDESTRIANS.
- NO PLACEMENT OF EQUIPMENT OR MATERIALS IS ALLOWED OUTSIDE OF THE APPROVED AREA.
- THE SIDEWALK AND PAVEMENT SHALL BE FREE AND CLEAR OF DEBRIS AT ALL TIMES.
- SIGHT VISIBILITY MUST BE MAINTAINED AT ALL TIMES.



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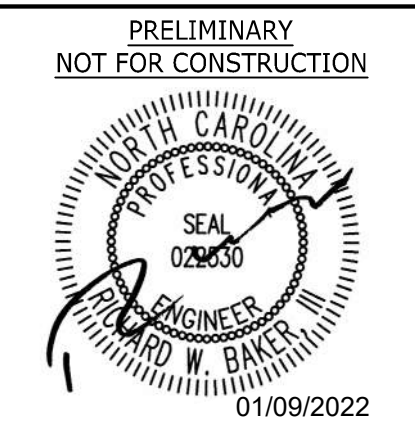
REVISION DESCRIPTION	DATE
	10/10/2022

SCALE AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652
CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
ROAD WIDENING AND STRIPPING PLAN

JOB NO. 37630.105
 SHEET NO. C3.5

S:\332037630-105-NC55Kennebec\Angier\CD\37630_105-332-C3.5-ROAD WIDENING AND STRIPPING PLAN.dwg [Plotted on 10/10/2022 5:06 PM] by Jacob Dooley



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REVISION DESCRIPTION	DATE
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DRAWN BY
J. YOKLEY

DESIGNED BY
J. DOOLEY

CHECKED BY
R. BAKER

SCALE
AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA

ROAD WIDENING AND STRIPPING PLAN

JOB NO.
37630.105

SHEET NO.
C3.6

TRANSPORTATION CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF ANGIER AND/OR NCDOT STANDARDS.
2. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).
4. PRIOR TO START OF WORK, A PRE-CONSTRUCTION MEETING MUST BE SET UP WITH THE CONTRACTOR AND NCDOT STAFF.
5. PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE.
6. THE CONTRACTOR SHALL REPAIR ALL DAMAGED INFRASTRUCTURE IN THE RIGHT-OF-WAY AND RESTORE IT TO PREVIOUS OR BETTER CONDITION.
7. THE CONTRACTOR SHALL REPAIR ANY DAMAGES TO ADJACENT PROPERTIES AND RESTORE IT TO PREVIOUS OR BETTER CONDITION.
8. ALL SIDEWALKS MUST BE ACCESSIBLE TO PERSONS WHO ARE VISUALLY IMPAIRED AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

TRAFFIC CONTROL AND PEDESTRIAN PLAN NOTES

- GENERAL NOTES:**
- ALL WORK SHALL BE IN ACCORDANCE WITH TOWN OF ANGIER AND/OR NCDOT STANDARD DETAILS AND SPECIFICATIONS.
 - PRIOR TO THE START OF WORK, THE CLIENT SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH NCDOT TO REVIEW THE SPECIFIC COMPONENTS OF THE APPROVED PLAN, AND ENSURE ALL PERMITS ARE ISSUED.
 - MUST HAVE AN ISSUED RIGHT-OF-WAY PERMIT FOR STREET, LANE AND/OR SIDEWALK CLOSURE TO CONDUCT ANY WORK IN THE RIGHT-OF-WAY.
 - ALL PERMITS MUST BE AVAILABLE ON-SITE DURING THE OPERATION.
 - FIELD ADJUSTMENTS TO THE APPROVED PLAN MAY BE REQUIRED BY NCDOT AS NEEDED DURING CONSTRUCTION.
 - ANY REVISION TO THE APPROVED PLAN MUST BE APPROVED BY NCDOT PRIOR TO IMPLEMENTATION.
 - ANY DAMAGE TO THE RIGHT OF WAY SHALL BE REPAIRED PER NCDOT SPECIFICATIONS AT NO COST TO THE CITY.
 - ALL PAVEMENT MARKINGS SHALL BE RESTORED TO ORIGINAL PLACEMENT AND CONDITIONS.
 - CONSTRUCTION FENCING SHOULD NOT ENCRUSH INTO THE PUBLIC RIGHT OF WAY. IF IT DOES, IT MUST BE MOVABLE IN CASE ADJUSTMENTS HAVE TO BE MADE. NO DRILLING, BORING OR ANY PERMANENT FASTENING OF THE FENCE IS ALLOWED IN THE PUBLIC RIGHT OF WAY.
 - NO PORTABLE RESTROOMS ARE PERMITTED IN THE PUBLIC RIGHT-OF-WAY. ACCESSIBLE RESTROOMS MUST BE PROVIDED ON SITE.
 - ALL SIGNAGE MUST BE VERIFIED AND MAINTAINED PROPERLY BY CONTRACTOR BEFORE THE START OF WORK AND REMAIN INTACT FOR THE DURATION OF THE PROJECT.
 - DRIVEWAYS IMPACTED BY THE LANE CLOSURE MUST REMAIN ACCESSIBLE.
 - WHEN WORK IS PERFORMED WITHIN A SCHOOL ZONE DURING SCHOOL OPERATIONAL HOURS, WORK MUST NOT IMPEDE WITHIN THE POSTED SCHOOL TRAFFIC TIMES. THE WORK BEING PERFORMED MUST BE REPORTED TO THE PRINCIPAL OF THE SCHOOL, PRIOR TO COMMENCEMENT OF WORK.
 - SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF THE PROJECT. SUCH MEASURES INCLUDE BUT ARE NOT LIMITED TO: SILT FENCE, INLET PROTECTION, AND CONSTRUCTION ENTRANCE.
 - THE STORM WATER CONTROL DEVICES CANNOT INTERFERE WITH ANY ADA ACCESSIBLE PATH.
 - ALL EXISTING UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO BEGINNING ANY EXCAVATION OR UNDERGROUND CONSTRUCTION. ALL UNDERGROUND UTILITY LOCATES SHALL BE ORDERED NO LESS THAN 3 DAYS PRIOR AND NO MORE THAN 12 DAYS PRIOR TO THE BEGINNING OF SAID EXCAVATION OR UNDERGROUND CONSTRUCTION.
 - CURB/SIDEWALK REMOVAL DEBRIS, PRE-MADE BUILDING PACKAGES, GRAVEL, SOD, ETC. SHALL NOT BE STOCKPILED WITHIN THE PUBLIC RIGHT-OF-WAY.
 - IF WORK IS BEING PERFORMED 5' FROM BACK OF CURB NO LANE CLOSURE IS REQUIRED. SIGNAGE OF WORK AHEAD IS REQUIRED TO NOTIFY TRAFFIC AND PEDESTRIANS.
 - IF WORK IS BEING PERFORMED 15' FROM THE EDGE OF PAVEMENT NO LANE CLOSURE. SIGNAGE OF WORK AHEAD IS REQUIRED TO NOTIFY TRAFFIC AND PEDESTRIANS.
 - A MINIMUM TWO-WAY ACCESS OF 20' IS REQUIRED AT ALL TIMES FOR TRAFFIC, NOT INCLUDING THE CURB AND GUTTER AREAS.
 - IF ANY OPERATOR/CONTRACTOR PARKS IN A RESIDENTIAL AREA FORCING THE HOMEOWNER/RESIDENT TO PARK ON THE OTHER SIDE OF THE ROAD, NARROWING TO 20' OR LESS, THE OPERATOR/CONTRACTOR IS LIABLE TO ENSURE A LANE CLOSURE PERMIT IS OBTAINED.
 - SIGHT VISIBILITY MUST BE MAINTAINED AT ALL TIMES.

LANE OBSTRUCTIONS:

- ALL TRAFFIC CONTROL SIGNAGE AND PRACTICES SHALL ADHERE TO THE MANUAL ON UNIFORM TRAFFIC CONTROL, AND THE LATEST EDITION OF THE NCDOT STANDARD SPECIFICATION FOR ROADWAY STRUCTURES, NCDOT "ROADWAY STANDARD DRAWING MANUAL," AND THE NCDOT SUPPLEMENT TO THE MUTCD.
- LANE OBSTRUCTIONS: PRIOR TO ANY LANE OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY NCDOT AT LEAST FIVE BUSINESS DAYS PRIOR TO THE START OF WORK. THE CONTRACTOR MUST HAVE AN APPROVED PERMIT NUMBER AND TRAFFIC CONTROL PLAN (IF PREVIOUSLY APPROVED).

STREET OBSTRUCTIONS (FULL STREET CLOSURE FOR CONSTRUCTION PURPOSES):

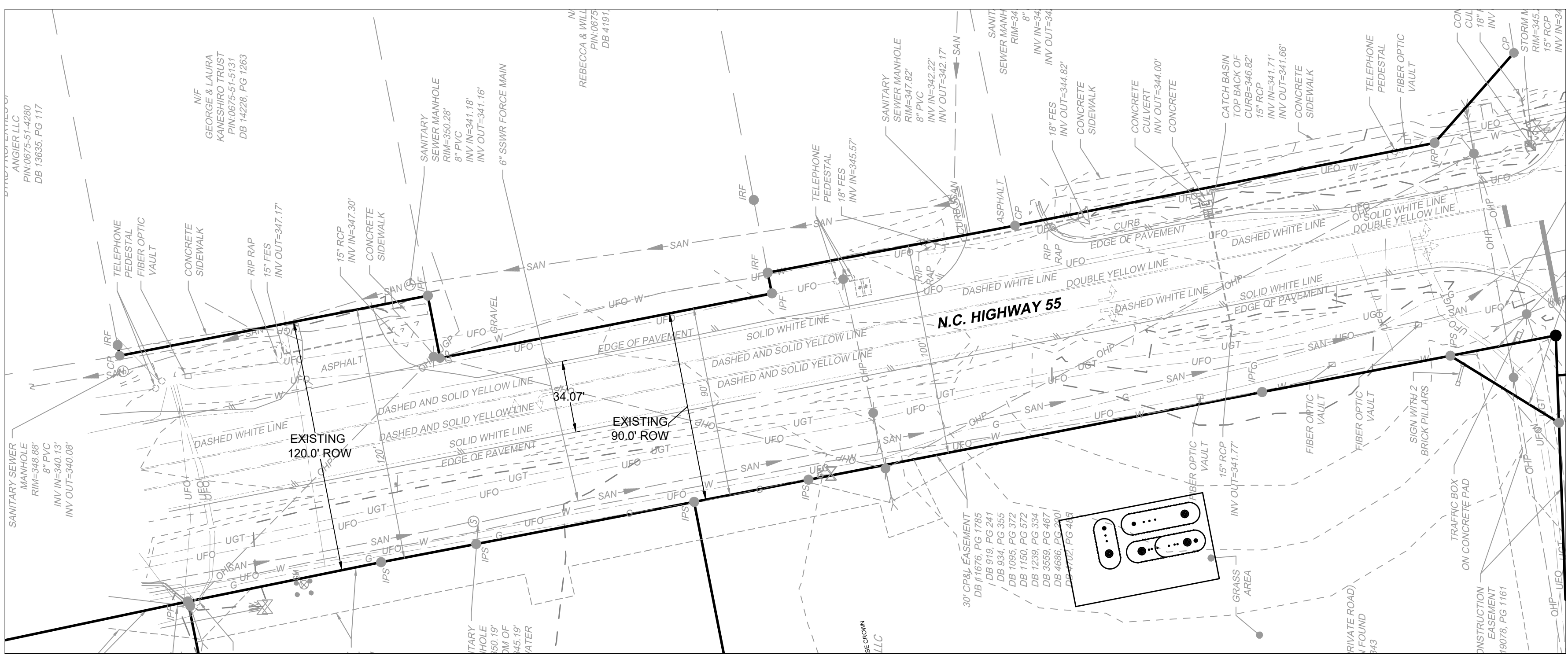
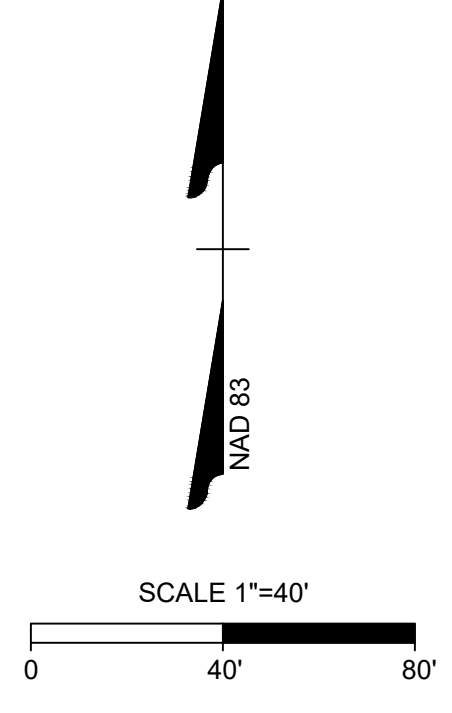
- FULL STREET CLOSURES MUST BE PERMITTED AND COORDINATED WITH NCDOT IN ADVANCE. LANE CLOSURES MUST BE COORDINATED WITH NCDOT IN ACCORDANCE WITH PERMITS.
 - STREET OBSTRUCTIONS: PRIOR TO ANY FULL STREET OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY NCDOT AT LEAST THREE WEEKS PRIOR TO THE START OF WORK. THE CONTRACTOR MUST HAVE AN APPROVED PERMIT NUMBER AND TRAFFIC CONTROL PLAN AND DETOUR PLAN (IF PREVIOUSLY APPROVED) AND PROVIDE THE FOLLOWING INFORMATION TO NCDOT.
 - RIGHT-OF-WAY PERMIT NUMBER
 - DURATION OF OBSTRUCTION
 - CONTACT PERSON (NAME, PHONE NUMBER, EMAIL)
- IF THERE IS NO APPROVED TRAFFIC CONTROL PLAN, DETOUR PLAN AND PERMIT REQUEST, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE A PLAN AND PERMIT REQUEST FOR APPROVAL.
- THE CONTRACTOR IS RESPONSIBLE FOR SENDING NOTIFICATIONS TO ALL AFFECTED PROPERTY AND BUSINESS OWNERS AT LEAST TWO WEEKS BEFORE THE START OF THE WORK.
 - DRIVEWAYS IMPACTED BY THE STREET CLOSURE MUST REMAIN ACCESSIBLE.
 - THE STREET MUST REMAIN ACCESSIBLE FOR LOCAL TRAFFIC.
 - STEEL PLATING MUST BE AVAILABLE ON-SITE TO ALLOW FOR QUICK ACCESS FOR EMERGENCY VEHICLES OVER OPEN CUTS.

SIDEWALK OBSTRUCTIONS:

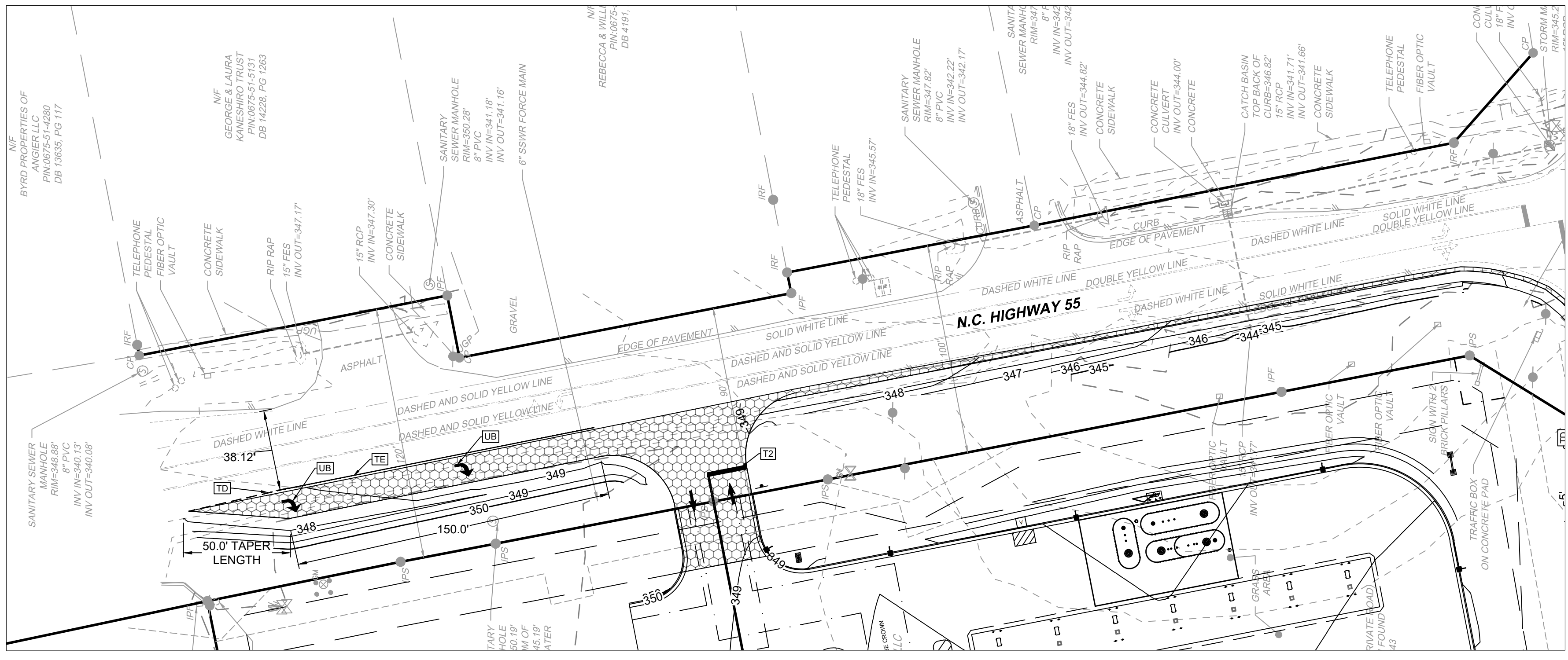
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 - SIDEWALKS CAN BE OBSTRUCTED TEMPORARILY FOR A CONTRACTOR TO PERFORM WORK; HOWEVER PROPER SIDEWALK CLOSURES MUST BE OBTAINED. ANY OBSTRUCTION IN THE SIDEWALK MUST BE APPROVED PRIOR TO THE SETUP OF THE WORK AREA. ANY TIME A SIDEWALK IS OBSTRUCTED AND IMPEDES PEDESTRIANS, A SAFE ALTERNATIVE ROUTE MUST BE PROVIDED.
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 - THE SIDEWALK AND PAVEMENT SHALL BE FREE AND CLEAR OF DEBRIS AT ALL TIMES.
 - SIGHT VISIBILITY MUST BE MAINTAINED AT ALL TIMES.

TRAFFIC CONTROL KEYNOTES

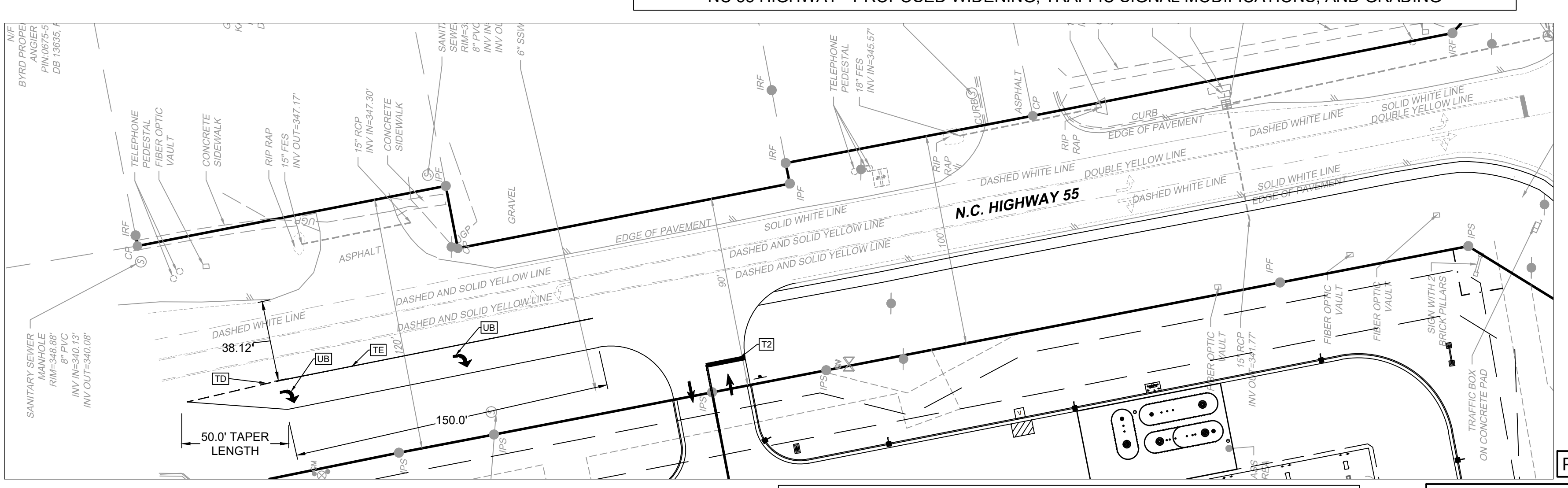
Symbol	Description	Material	Linear Length Adjustment
T2	WHITE STOPBAR (24" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01	Thermo	1
TD	1 1/2" x 1 1/2" WHITE MINSKOP (4" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01	Thermo	0.25
TE	WHITE SOLID LANE LINE (4" 90 MIL); REFER TO NCDOT STANDARD DETAIL 1205.01	Thermo	1
UB	RIGHT TURN ARROW (80 MIL); REFER TO NCDOT STANDARD DETAIL 1205.08	Thermo	1



NC 55 HIGHWAY - EXISTING CONDITIONS - EXISTING ROW



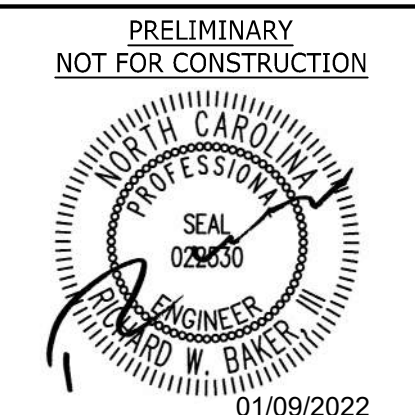
NC 55 HIGHWAY - PROPOSED WIDENING, TRAFFIC SIGNAL MODIFICATIONS, AND GRADING



NC 55 HIGHWAY - PROPOSED STRIPING AND SIGNAGE

PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS



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DATE: 10/10/2022
 DRAWN BY: J. YOKLEY
 DESIGNED BY: J. DOOLEY
 CHECKED BY: R. BAKER
 SCALE: AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA

EROSION CONTROL PLAN - PHASE I

JOB NO. 37630.105
 SHEET NO. C4.0

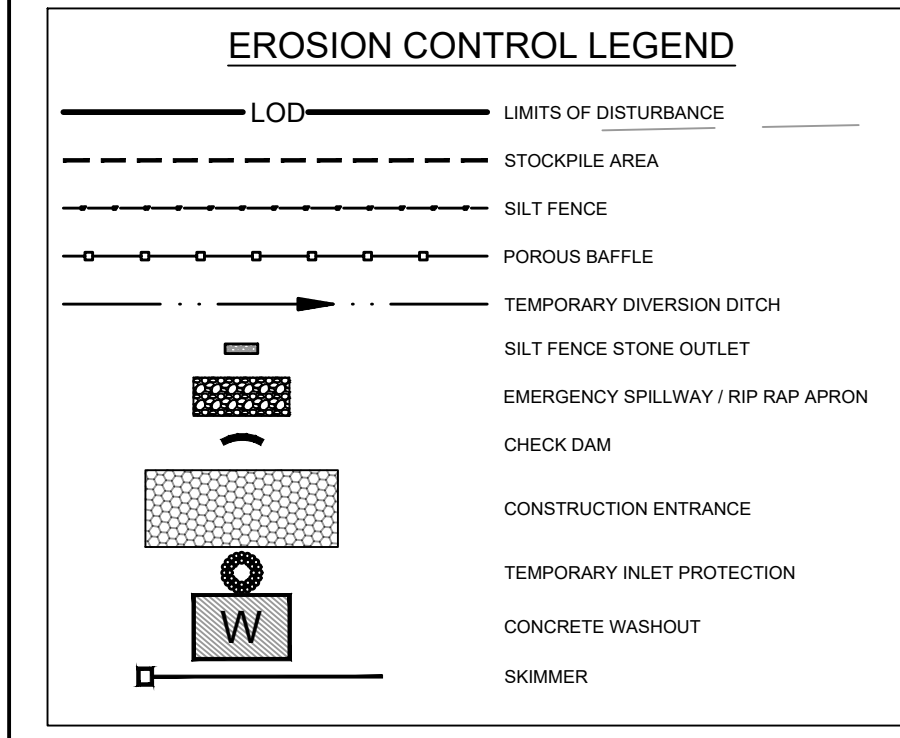
EROSION CONTROL PLAN - PHASE I KEYNOTES	
NUMBER	DESCRIPTION
EC101	LIMITS OF DISTURBANCE
EC102	SILT FENCE; REFER TO DETAIL (TYP.)
EC103	SILT FENCE OUTLET; REFER TO DETAIL (TYP.)
EC104	TEMPORARY 25' X 100' CONSTRUCTION ENTRANCE; REFER TO DETAIL
EC105	TEMPORARY INLET PROTECTION; REFER TO DETAIL (TYP.)
EC106	SKIMMER SEDIMENT BASIN #1 (TO BE CONVERTED TO DETENTION POND LATER) DRAINAGE AREA=1.86 AC, DIST AREA=1.86 AC REQ'D SURFACE AREA=1,988 SF; REQ'D STORAGE=3,348 CF PROVID SURFACE AREA=1,851 SF; PROVID STORAGE=15,828 CF (OR EQUIVALENT SURFACE AREA & VOLUME) PROVIDE 1.5" SKIMMER W/ 1" DIA. ORIFICE ON 2'X2'X1'D CLASS B PAD
EC107	SKIMMER SEDIMENT BASIN #2 DRAINAGE AREA=0.75 AC, DIST AREA=0.64 AC REQ'D SURFACE AREA=599 SF; REQ'D STORAGE=1,152 CF PROVID SURFACE AREA=1,856 SF; PROVID STORAGE=2,692 CF (OR EQUIVALENT SURFACE AREA & VOLUME) PROVIDE 1.5" SKIMMER W/ 0.75" DIA. ORIFICE ON 2'X2'X1'D CLASS B PAD;
EC108	TEMP. DIVERSION DITCH #1 LENGTH = 343'; DRAINAGE AREA = 1.87 AC; S = 2.2% Q25 = 3.00 CFS; V10 = 4.73 FPS D25 = 1.25'; T = 1.55 #/SF USE 0.50' FBD 0.5' DEEP W/ 3:1 SIDES LINE W/ N. AMERICAN GREEN (S75)
EC109	TEMP. DIVERSION DITCH #2 LENGTH = 275'; DRAINAGE AREA = 0.71 AC; S = 0.1% Q25 = 1.70 CFS; V25 = 2.38 FPS D25 = 0.75'; T = 1.55 #/SF USE 0.50' FBD 0.75' DEEP W/ 3:1 SIDES LINE W/ N. AMERICAN GREEN (S75)
EC110	TEMP. 0.5' DEEP SWALE
EC111	54 LF OF 15" HDPE PIPE TO DRAIN INTO TEMPORARY SKIMMER BASIN INV. OUT 336.00'; INV. AT BASIN 336.5'
EC112	63 LF OF 6" HDPE PIPE TO DRAIN INTO TEMPORARY SKIMMER BASIN INV. OUT 342.80'; INV. AT BASIN 345.00'
EC113	3 POROUS BAFFLES
EC114	20' WIDE SPILLWAY W/ CLASS B RIPRAP & NON-WOVEN LINER OR 50 MIL HEAVY DUTY SILVER TARP TOP=341.00 CREST=342.00
EC115	5' WIDE SPILLWAY W/ CLASS B IPRAP & NON-WOVEN LINER OR 50 MIL HEAVY DUTY SILVER TARP TOP =348.00 CREST =347.00
EC116	CLASS A RIP RAP DISSIPATER PAD (5'W X 3.8'L X 12"D)
EC117	CLASS A RIP RAP DISSIPATER PAD (2'W X 1.5'L X 12"D)
EC118	SKIMMER
EC119	TEMPORARY STOCKPILE
EC120	CONCRETE WASH OUT AREA

PHASE I EROSION CONTROL CONSTRUCTION SEQUENCE:

- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR MUST LOCATE ALL EXISTING UTILITIES (PUBLIC AND PRIVATE) AND OBTAIN THE GRADING PERMIT. CONTACT THE ENGINEER IF ANY CONFLICTS ARISE.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS AND HOLD PRE CONSTRUCTION CONFERENCE.
- LIMIT CLEARING, DEMOLITION AND LAND DISTURBING ACTIVITY TO ONLY THE AREA NECESSARY TO INSTALL THE PERMITTED EROSION CONTROL MEASURES FOR PHASE I.
- INSTALL CONSTRUCTION ENTRANCE, TREE PROTECTION FENCE, SILT FENCE, AND OUTLET PROTECTION AS INDICATED ON PLAN.
- EXCAVATE AREA FOR DRY POND WHICH WILL FUNCTION AS SKIMMER BASIN IN PHASE I. INSTALL DIVERSION DITCHES AS SHOWN. DISTURB ONLY THE AREA NEEDED FOR INSTALLATION.
- INSTALL A RISER PIPE FROM THE POND AND THEN INSTALL A DIAPHRAGM ALONG THE RISER PIPE AND STONE RIPRAP AT THE OUTLET.
- MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY TOWN OF ANGIER INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE, INLET PROTECTION AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CANNOT HAVE HOLES OR TEARS.
- PROCEED TO PHASE 2 OF THE EROSION CONTROL SEQUENCE WHEN PHASE 1 MEASURES HAVE BEEN COMPLETED, INSPECTED, AND APPROVED.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

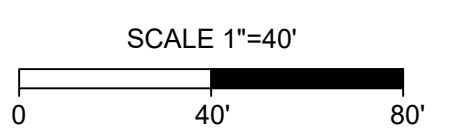
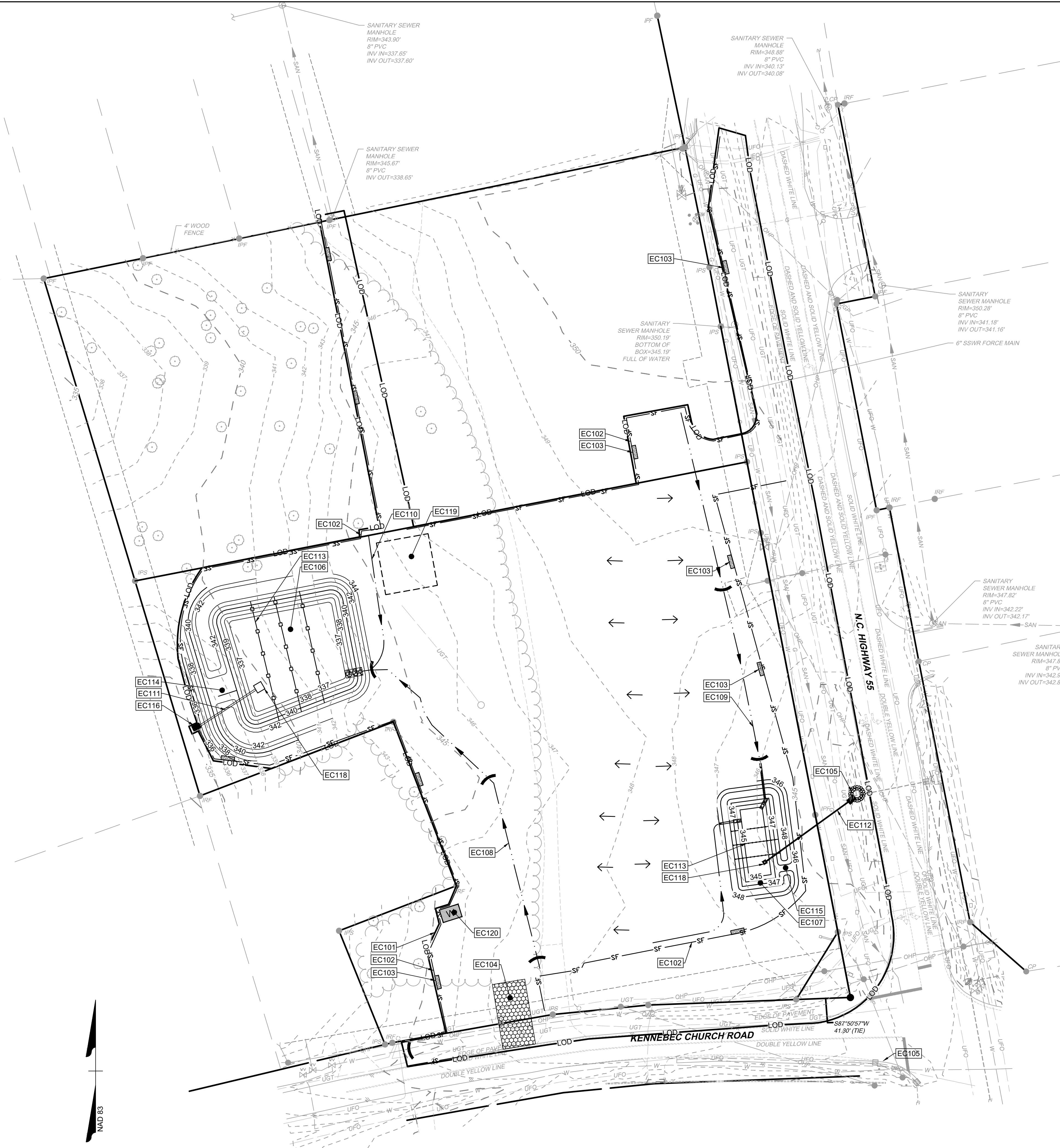
- ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF ANGIER STANDARDS AND SPECIFICATIONS.
- A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES.
- FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
- EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
- 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.
- 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.
- INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
- INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
- THE LOCATION OF OFFSITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFFSITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO TOWN OF ANGIER. THIS AREA MUST ALSO BE AN UPLAND AREA.
- CONCRETE WASHOUT TO BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE STRUCTURE.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS.
- ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.



ACREAGE OF LAND TO BE DISTURBED: 4.20 AC

BASIN NAME	BASIN 1
BASIN TYPE	SKIMMER
TOTAL DRAINAGE AREA	1.86 acres
Tc (TIME OF CONCENTRATION)	5 min
C VALUE	0.30
I (25 YEAR STORM)	8.19 in/hr
SURFACE AREA CALCULATION:	
Q25 = CIA	5 cfs
SURFACE AREA (AC) = 435 SF * Q25 (CFS)	
SURFACE AREA REQUIRED	1,988 ft ²
RECTANGLE BASIN PROVIDED	88' X 104'
SURFACE AREA PROVIDED	8,851 ft ²
BASIN VOLUME CALCULATION:	
BASIN VOLUME DESIGN = 1,800 ft ³ /acre	
BASIN VOLUME REQUIRED	3,348 ft ³
BASIN VOLUME PROVIDED	15,628 ft ³
TOP OF EMBANKMENT ELEVATION	341
EMBANKMENT WIDTH	10 ft
BOTTOM ELEVATION	338.00
EMERGENCY SPILLWAY ELEVATION	340.00
BASIN DEPTH	2 ft
EMERGENCY SPILLWAY WIDTH	20 ft
SEDIMENT STORAGE VOLUME	7,981 ft ³
	@ 340'
PROVIDE 3 BAFFLES	
SKIMMER SIZE	1.5 inch
ORIFICE DIAMETER	1 inch
DEWATERING TIME	4.10 days

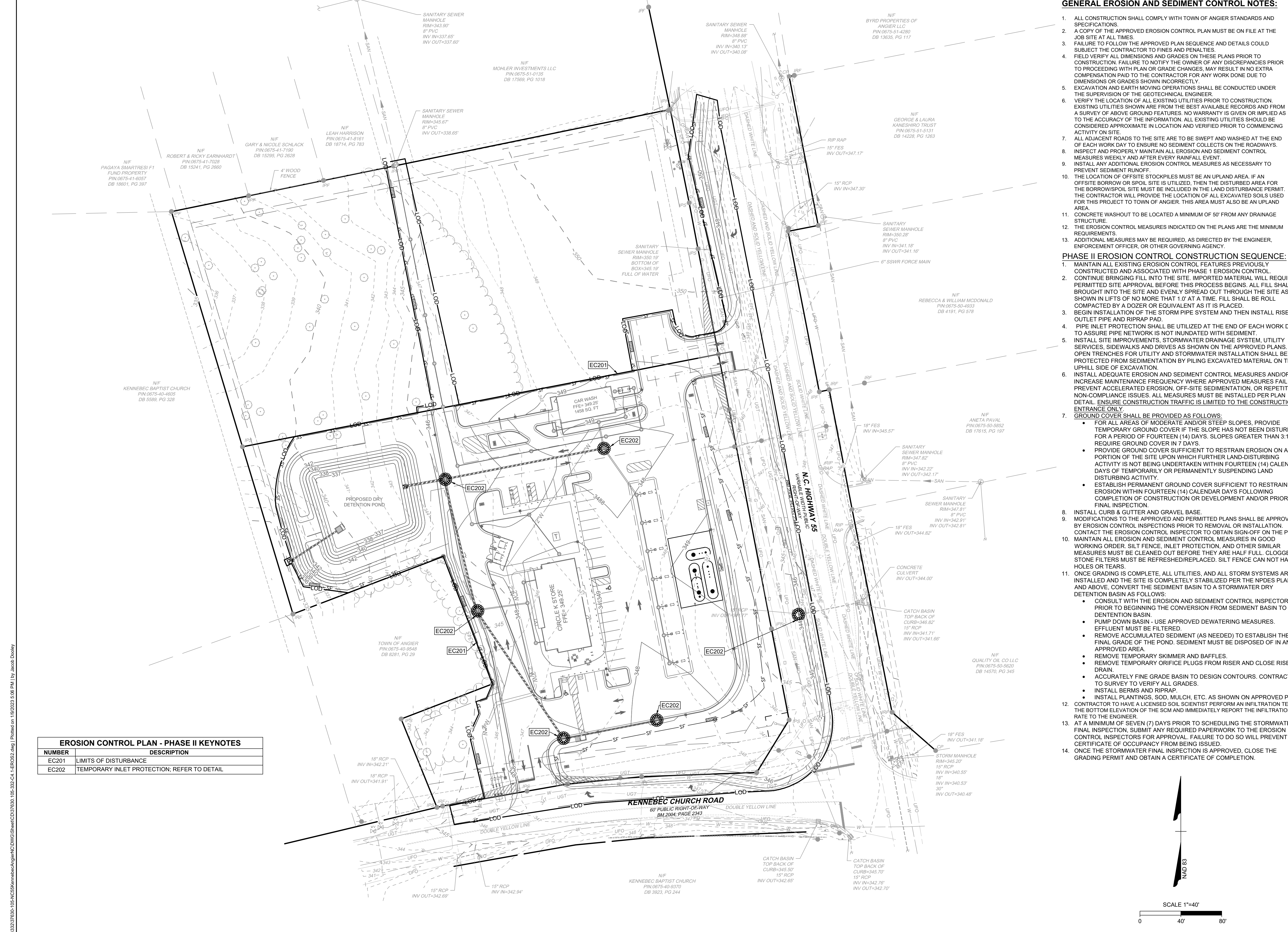
BASIN NAME	BASIN 2
BASIN TYPE	SKIMMER
TOTAL DRAINAGE AREA	0.75 acres
Tc (TIME OF CONCENTRATION)	5 min
C VALUE	0.30
I (25 YEAR STORM)	8.19 in/hr
SURFACE AREA CALCULATION:	
Q25 = CIA	2 cfs
SURFACE AREA (AC) = 325 SF * Q25 (CFS)	
SURFACE AREA REQUIRED	599 ft ²
RECTANGLE BASIN PROVIDED	29' X 64'
SURFACE AREA PROVIDED	1,856 ft ²
BASIN VOLUME CALCULATION:	
BASIN VOLUME DESIGN = 1,800 ft ³ /acre	
BASIN VOLUME REQUIRED	1,152 ft ³
BASIN VOLUME PROVIDED	2,704 ft ³
TOP OF EMBANKMENT ELEVATION	348
EMBANKMENT WIDTH	5 ft
BOTTOM ELEVATION	345.00
EMERGENCY SPILLWAY ELEVATION	347.00
BASIN DEPTH	2 ft
EMERGENCY SPILLWAY WIDTH	5 ft
SEDIMENT STORAGE VOLUME	1,346 ft ³
	@ 347'
PROVIDE 3 BAFFLES	
SKIMMER SIZE	1.5 inch
ORIFICE DIAMETER	0.75 inch
DEWATERING TIME	2.51 days



PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

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GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONSTRUCTION SHALL COMPLY WITH TOWN OF ANGIER STANDARDS AND SPECIFICATIONS.
- A COPY OF THE APPROVED EROSION CONTROL PLAN MUST BE ON FILE AT THE JOB SITE AT ALL TIMES.
- FAILURE TO FOLLOW THE APPROVED PLAN SEQUENCE AND DETAILS COULD SUBJECT THE CONTRACTOR TO FINES AND PENALTIES.
- FIELD VERIFY ALL DIMENSIONS AND GRADES ON THESE PLANS PRIOR TO CONSTRUCTION. FAILURE TO NOTIFY THE OWNER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH PLAN OR GRADE CHANGES, MAY RESULT IN NO EXTRA COMPENSATION PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY.
- EXCAVATION AND EARTH MOVING OPERATIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE GEOTECHNICAL ENGINEER.
- 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.
- 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.
- INSPECT AND PROPERLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EVERY RAINFALL EVENT.
- INSTALL ANY ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT RUNOFF.
- THE LOCATION OF OFF-SITE STOCKPILES MUST BE AN UPLAND AREA. IF AN OFF-SITE BORROW OR SPOIL SITE IS UTILIZED, THEN THE DISTURBED AREA FOR THE BORROW/SPOIL SITE MUST BE INCLUDED IN THE LAND DISTURBANCE PERMIT. THE CONTRACTOR WILL PROVIDE THE LOCATION OF ALL EXCAVATED SOILS USED FOR THIS PROJECT TO TOWN OF ANGIER. THIS AREA MUST ALSO BE AN UPLAND AREA.
- CONCRETE WASHOUT TO BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE STRUCTURE.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS.
- ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

PHASE II EROSION CONTROL CONSTRUCTION SEQUENCE:

- MAINTAIN ALL EXISTING EROSION CONTROL FEATURES PREVIOUSLY CONSTRUCTED AND ASSOCIATED WITH PHASE I EROSION CONTROL.
- CONTINUE BRINGING FILL INTO THE SITE. IMPORTED MATERIAL WILL REQUIRE A PERMITTED SITE APPROVAL BEFORE THIS PROCESS BEGINS. ALL FILL SHALL BE BROUGHT INTO THE SITE AND EVENLY SPREAD OUT THROUGH THE SITE AS SHOWN IN LIFTS OF NO MORE THAN 1.0' AT A TIME. FILL SHALL BE ROLL COMPACTED BY A DOZER OR EQUIVALENT AS IT IS PLACED.
- BEGIN INSTALLATION OF THE STORM PIPE SYSTEM AND THEN INSTALL RISER, OUTLET PIPE AND RIPRAP PAD.
- PIPE INLET PROTECTION SHALL BE UTILIZED AT THE END OF EACH WORK DAY TO ASSURE PIPE NETWORK IS NOT INUNDATED WITH SEDIMENT.
- INSTALL SITE IMPROVEMENTS, STORMWATER DRAINAGE SYSTEM, UTILITY SERVICES, SIDEWALKS AND DRIVES AS SHOWN ON THE APPROVED PLANS. ALL OPEN TRENCHES FOR UTILITY AND STORMWATER INSTALLATION SHALL BE PROTECTED FROM SEDIMENTATION BY PILING EXCAVATED MATERIAL ON THE UPHILL SIDE OF EXCAVATION.
- INSTALL ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES AND/OR INCREASE MAINTENANCE FREQUENCY WHERE APPROVED MEASURES FAIL TO PREVENT ACCELERATED EROSION, OFF-SITE SEDIMENTATION, OR REPETITIVE NON-COMPLIANCE ISSUES. ALL MEASURES MUST BE INSTALLED PER PLAN DETAIL. ENSURE CONSTRUCTION TRAFFIC IS LIMITED TO THE CONSTRUCTION ENTRANCE ONLY.
- GROUND COVER SHALL BE PROVIDED AS FOLLOWS:
 - FOR ALL AREAS OF MODERATE AND/OR STEEP SLOPES, PROVIDE TEMPORARY GROUND COVER IF THE SLOPE HAS NOT BEEN DISTURBED FOR A PERIOD OF FOURTEEN (14) DAYS. SLOPES GREATER THAN 3:1 REQUIRE GROUND COVER IN 7 DAYS.
 - PROVIDE GROUND COVER SUFFICIENT TO RESTRAIN EROSION ON ANY PORTION OF THE SITE UPON WHICH FURTHER LAND-DISTURBING ACTIVITY IS NOT BEING UNDERTAKEN WITHIN FOURTEEN (14) CALENDAR DAYS OF TEMPORARILY OR PERMANENTLY SUSPENDING LAND DISTURBING ACTIVITY.
 - ESTABLISH PERMANENT GROUND COVER SUFFICIENT TO RESTRAIN EROSION WITHIN FOURTEEN (14) CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT AND/OR PRIOR TO FINAL INSPECTION.
- INSTALL CURB & GUTTER AND GRAVEL BASE.
- MODIFICATIONS TO THE APPROVED AND PERMITTED PLANS SHALL BE APPROVED BY EROSION CONTROL INSPECTIONS PRIOR TO REMOVAL OR INSTALLATION.
- CONTACT THE EROSION CONTROL INSPECTOR TO OBTAIN SIGN-OFF ON THE PLANS.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN GOOD WORKING ORDER. SILT FENCE, INLET PROTECTION, AND OTHER SIMILAR MEASURES MUST BE CLEANED OUT BEFORE THEY ARE HALF FULL. CLOGGED STONE FILTERS MUST BE REFRESHED/REPLACED. SILT FENCE CAN NOT HAVE HOLES OR TEARS.
- ONCE GRADING IS COMPLETE, ALL UTILITIES, AND ALL STORM SYSTEMS ARE INSTALLED AND THE SITE IS COMPLETELY STABILIZED PER THE NPDES PLAN AND ABOVE, CONVERT THE SEDIMENT BASIN TO A STORMWATER DRY DETENTION BASIN AS FOLLOWS:
 - CONSULT WITH THE EROSION AND SEDIMENT CONTROL INSPECTOR PRIOR TO BEGINNING THE CONVERSION FROM SEDIMENT BASIN TO DRY DETENTION BASIN.
 - PUMP DOWN BASIN - USE APPROVED DEWATERING MEASURES.
 - EFFLUENT MUST BE FILTERED.
 - REMOVE ACCUMULATED SEDIMENT (AS NEEDED) TO ESTABLISH THE FINAL GRADE OF THE POND. SEDIMENT MUST BE DISPOSED OF IN AN APPROVED AREA.
 - REMOVE TEMPORARY SKIMMER AND BAFFLES.
 - REMOVE TEMPORARY ORIFICE PLUGS FROM RISER AND CLOSE RISER DRAIN.
 - ACCURATELY FINE GRADE BASIN TO DESIGN CONTOURS. CONTRACTOR TO SURVEY TO VERIFY ALL GRADES.
 - INSTALL BERMS AND RIPRAP.
 - INSTALL PLANTINGS, SOD, MULCH, ETC. AS SHOWN ON APPROVED PLAN.
- CONTRACTOR TO HAVE A LICENSED SOIL SCIENTIST PERFORM AN INFILTRATION TEST AT THE BOTTOM ELEVATION OF THE SCM AND IMMEDIATELY REPORT THE INFILTRATION RATE TO THE ENGINEER.
- AT A MINIMUM OF SEVEN (7) DAYS PRIOR TO SCHEDULING THE STORMWATER FINAL INSPECTION, SUBMIT ANY REQUIRED PAPERWORK TO THE EROSION CONTROL INSPECTORS FOR APPROVAL. FAILURE TO DO SO WILL PREVENT A CERTIFICATE OF OCCUPANCY FROM BEING ISSUED.
- ONCE THE STORMWATER FINAL INSPECTION IS APPROVED, CLOSE THE GRADING PERMIT AND OBTAIN A CERTIFICATE OF COMPLETION.



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YOUR VISION ACHIEVED THROUGH OURS.	10/10/2022

DRAWN BY
J. YOKLEY

DESIGNED BY
J. DOOLEY

CHECKED BY
R. BAKER

SCALE
AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA

EROSION CONTROL PLAN - PHASE 2

JOB NO.
37630.105

SHEET NO.
C4.1

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UTILITY NOTES

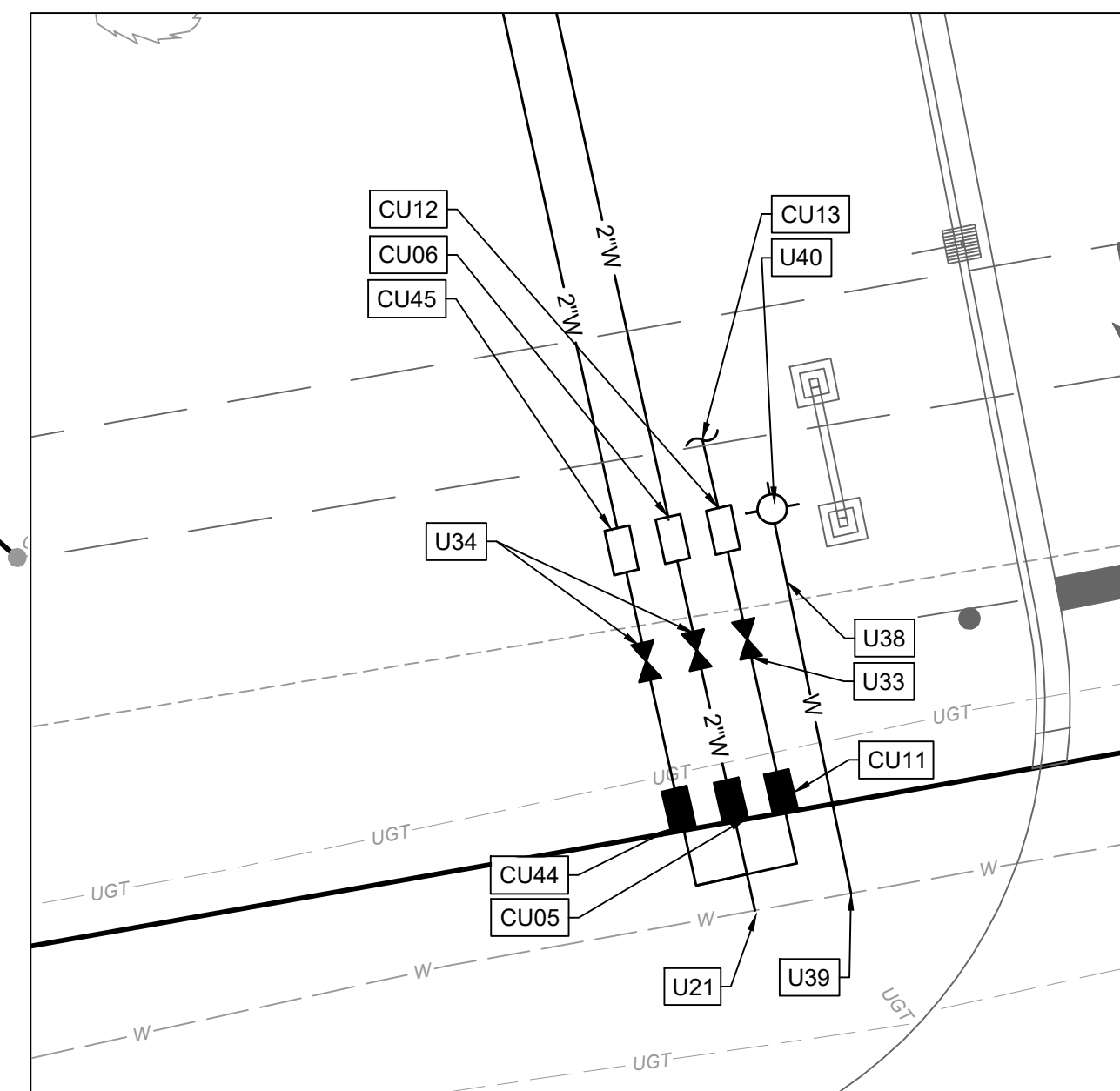
- CONTRACTOR SHALL HAVE NORTH CAROLINA ONE CALL (811) LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- ALL UNDERGROUND FEATURES INDICATED ON THE PLANS SHOULD BE CONSIDERED APPROXIMATE IN LOCATION AND SHOULD BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
- CONTRACTOR SHALL COORDINATE THE LOCATION OR RELOCATION OF ALL OVERHEAD AND UNDERGROUND COMMUNICATION LINES, ELECTRIC AND GAS SERVICE WITH THE APPROPRIATE UTILITY COMPANY AND/OR THE CITY PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL PROVIDE CONDUITS AS REQUIRED FOR THESE UTILITIES UNDER PAVED AREAS.
- ALL ILLUSTRATED UTILITY INFRASTRUCTURE IS DIAGRAMMATIC AND MAY NOT REPRESENT THE ACTUAL SIZE OF INFRASTRUCTURE. NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES ARE NOTED.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TOWN OF ANGIER AND THE STATE OF NORTH CAROLINA STANDARDS AND SPECIFICATIONS.
- SERVICE SADDLES SHALL BE ALL BRONZE WITH DOUBLE BRONZE STRAPS WITH A NEOPRENE "O" RING GASKET ATTACHED TO THE BODY.
- ALL WATER METERS SHALL BE PROVIDED AND INSTALLED BY THE TOWN OF ANGIER PUBLIC UTILITIES DEPARTMENT METERS DIVISION.
- METERS WILL BE THE SAME SIZE IN DIAMETER AS THE SERVICE.
- A 3' CLEAR SPACE SHALL BE MAINTAINED AROUND ALL WATER METERS.
- ALL 6" SANITARY SEWER SERVICES CONNECTIONS SHALL BE MADE INTO MANHOLES ONLY.
- UTILITY TRENCHES SHALL BE CUT AND PAVEMENT REPAIRED TO TOWN OF ANGIER STANDARDS.
- ALL DISTURBED HARDSCAPE AND LANDSCAPING (CONCRETE, ASPHALT, BRICK, TREES, SHRUBS, ETC) SHALL BE REPLACED ACCORDING TO TOWN OF ANGIER AND NCDOT STANDARDS AND SPECIFICATIONS.
- BOUNDARY AND SURVEY INFORMATION IS TAKEN FROM A SURVEY BY BOHLER ENGINEERING.

SANITARY SEWER PIPE TABLE						
FROM - TO	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE	LENGTH	DIA.	MATERIAL
GT - CO13	343.93'	343.85'	2.17%	3.76 LF	4"	PVC
CO02 - MH01	339.45'	338.70'	1.00%	74.62 LF	4"	PVC
CO03 - CO02	340.20'	339.45'	1.00%	75.39 LF	4"	PVC
CO04 - CO03	340.68'	340.20'	1.00%	48.16 LF	4"	PVC
CO05 - CO04	341.11'	340.68'	1.00%	43.19 LF	4"	PVC
CO06 - CO05	341.71'	341.11'	1.00%	59.55 LF	4"	PVC
CO07 - CO06	342.47'	342.03'	0.75%	58.72 LF	4"	Ductile Iron
CO08 - CO07	342.89'	342.47'	0.75%	56.54 LF	4"	PVC
CO09 - CO08	343.25'	342.89'	0.75%	48.52 LF	4"	PVC
CO10 - CO06	342.35'	341.71'	0.87%	73.54 LF	4"	PVC
CO11 - CO10	343.09'	342.34'	1.00%	74.42 LF	4"	PVC
CO12 - CO11	343.44'	343.09'	1.00%	35.31 LF	4"	PVC
CO13 - CO12	343.85'	343.44'	1.00%	41.25 LF	4"	PVC
CO14 - GT	344.00'	343.93'	2.00%	3.48 LF	4"	PVC

SANITARY SEWER STRUCTURE TABLE				
STR. #	TOP	INV. IN	INV. OUT	DESCRIPTION
CO02	344.33'	339.45' (4" PVC FROM CO03)	339.45' (4" PVC TO MH01)	4" Cleanout
CO03	346.25'	340.20' (4" PVC FROM CO04)	340.20' (4" PVC TO CO02)	4" Cleanout
CO04	346.44'	340.68' (4" PVC FROM CO05)	340.68' (4" PVC TO CO03)	4" Cleanout
CO05	346.30'	341.11' (4" PVC FROM CO06)	341.11' (4" PVC TO CO04)	4" Cleanout
CO06	346.32'	342.03' (4" Ductile Iron FROM CO07) 341.71' (4" PVC FROM CO10)	341.71' (4" PVC TO CO05)	4" Cleanout
CO07	347.27'	342.47' (4" PVC FROM CO08)	342.47' (4" Ductile Iron TO CO06)	4" Cleanout
CO08	348.01'	342.89' (4" PVC FROM CO09)	342.89' (4" PVC TO CO07)	4" Cleanout
CO09	349.13'		343.25' (4" PVC TO CO08)	4" Cleanout
CO10	347.85'	342.34' (4" PVC FROM CO11)	342.35' (4" PVC TO CO06)	4" Cleanout
CO11	347.56'	343.09' (4" PVC FROM CO12)	343.09' (4" PVC TO CO10)	4" Cleanout
CO12	347.96'	343.44' (4" PVC FROM CO13)	343.44' (4" PVC TO CO11)	4" Cleanout
CO13	349.17'	343.85' (4" PVC FROM)	343.85' (4" PVC TO CO12)	4" Cleanout
CO14	349.24'		344.00' (4" PVC TO)	4" Cleanout
MH01	345.67'	338.70' (4" PVC FROM CO02)		EX MANHOLE

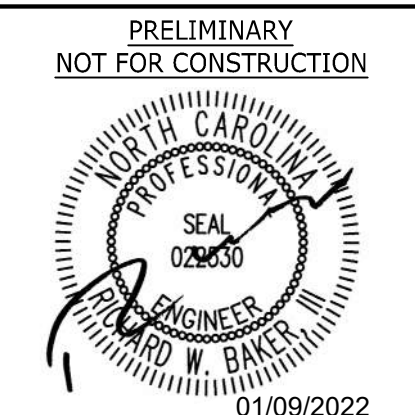


UTILITY PLAN KEYNOTES	
NUMBER	DESCRIPTION
CU01	CONTRACTOR TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO START OF CONSTRUCTION. IMMEDIATELY NOTIFY CLIENT AND ENGINEER IF DISCREPANCIES OR CONFLICTS ARE FOUND.
CU03	WATER LINE POINT OF CONNECTION.
CU04	2" TYPE K COPPER DOMESTIC WATER SERVICE BETWEEN METER AND BUILDING; CONFIRM SIZE WITH MEP PLANS BY OTHERS.
CU05	1.5" DOMESTIC WATER METER
CU06	1.5" DOMESTIC RPZ BACKFLOW PREVENTER (PER LOCAL REQUIREMENTS) DOWNSTREAM OF THE WATER METER. PROVIDE POWER TO HOT BOX. REFER TO DETAIL CK-240.
CU07	WATER LINE POINT OF ENTRY TO BUILDING; REFER TO MEP PLANS BY OTHERS.
CU11	1" IRRIGATION METER
CU12	1" RPZ IRRIGATION BACKFLOW PREVENTER (PER LOCAL REQUIREMENTS) DOWNSTREAM OF THE IRRIGATION METER. PROVIDE POWER TO HOT BOX. REFER TO DETAIL CK-240.
CU13	1.5" IRRIGATION WATER LINE. REFER TO IRRIGATION PLANS BY OTHERS AND DETAILS CK-230 AND CK-235. INSTALL IRRIGATION SLEEVES UNDER PAVEMENT. LOCATION PER IRRIGATION PLAN. PROVIDE AS-BUILT TO CIRCLE K CONSTRUCTION MANAGER.
CU14	APPROXIMATE RAINBIRD IRRIGATION CONTROLLER LOCATION. OWNER'S REPRESENTATIVE SHALL PINPOINT EXACT LOCATION ON-SITE. IRRIGATION CONTRACTOR SHALL HARDWIRE POWER TO CONTROLLER. REFER TO IRRIGATION PLANS BY OTHERS.
CU17	SANITARY SEWER POINT OF CONNECTION
CU18	4" PVC SANITARY SEWER SERVICE @ 1/8" PER LF MIN. SLOPE, 4' MIN. COVER (TYP.).
CU19	SANITARY SEWER CLEANOUT. TRAFFIC RATED IF WITHIN PAVEMENT (TYP.). REFER TO DETAIL CK-205.
CU22	GREASE TRAP LOCATED INSIDE BUILDING; REFER TO MEP PLANS BY OTHERS FOR SIZING, MATERIAL, VENTING, AND DETAILS.
CU23	SANITARY SEWER POINT OF ENTRY TO BUILDING; REFER TO MEP PLANS BY OTHERS.
CU26	ELECTRIC TRANSFORMER PAD LOCATION. COORDINATE WITH LOCAL PROVIDER. LOCAL PROVIDER CAN SUPERSEDE THE PROPOSED TRANSFORMER PAD LOCATION. PROVIDE TWO (2) 6" CONDUITS BETWEEN POINT OF CONNECTION AND TRANSFORMER. 24" MINIMUM BURY DEPTH WITH 18" OF VERTICAL SEPARATION AT WATER AND SEWER CROSSINGS.
CU30	PROVIDE POWER TO AIR MACHINE. CIRCLE K VENDOR TO PROVIDE AIR MACHINE.
CU31	PROVIDE POWER TO MID SIGN; WIRED BY BUILDING ELECTRICAL CONTRACTOR. VERIFY EXACT LOCATION AND DESIGN BEFORE ROUGH-IN. PERMITTED BY OTHERS.
CU32	LIGHT POLE BASE; REFER TO DETAIL CK-190. REFER TO LIGHTING, ELECTRICAL, AND STRUCTURAL PLANS BY OTHERS (TYP.).
CU33	PROVIDE 2" CONDUIT FOR ELECTRIC CHARGING STATION FROM BUILDING. STUB AND CAP 8" ABOVE FINISHED GRADE. CONDUIT RUNS BURIED A MINIMUM OF 24" BELOW GRADE AND HAVE A PULL STRING INSTALLED. CONDUIT RUNS MUST NOT EXCEED A TOTAL OF 180° DEGREES OF BEND WITHOUT A PULL BOX. STANDARD 90° BEND IS 6" BENDS WITH 3' RADIUS.
CU43	2" TYPE K COPPER DOMESTIC WATER SERVICE FOR CAR WASH; CONFIRM SIZE WITH MEP PLANS BY OTHERS.
CU44	2" DOMESTIC WATER METER FOR CAR WASH
CU45	2" DOMESTIC RPZ BACKFLOW PREVENTER FOR CAR WASH (PER LOCAL REQUIREMENTS) DOWNSTREAM OF THE WATER METER. PROVIDE POWER TO HOT BOX. REFER TO DETAIL CK-240.
CU46	WATER LINE POINT OF ENTRY TO CAR WASH; REFER TO MEP PLANS BY OTHERS.
CU47	INTERNAL CATCH BASIN INSIDE OF CAR WASH. REFER TO ARCHITECTURE AND MEP FOR DETAIL.
CU48	TRAFFIC RATED SAND/OIL INTERCEPTOR. REFER TO ARCHITECTURAL AND MEP PLANS FOR SIZING AND DETAILS.
CU50	CAR WASH ACCESSORY EQUIPMENT. WIRED BY BUILDING ELECTRICAL CONTRACTOR. REFER TO CARWASH EQUIPMENT PLANS AND DETAIL CK-375.
U02	EXISTING 8" WATER LINE; CONFIRM PRIOR TO CONSTRUCTION
U06	EXISTING SANITARY SEWER MANHOLE (TYP.)
U21	2"x8" TAPPING SLEEVE & VALVE
U33	1" GATE VALVE (TYP.)
U34	2" GATE VALVE (TYP.)
U38	6" DIP FIRELINE
U39	6"x8" TAPPING SLEEVE & VALVE
U40	PUBLIC FIRE HYDRANT ASSEMBLY



PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

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DATE
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DRAWN BY
J. YOKLEY

DESIGNED BY
J. DOOLEY

CHECKED BY
R. BAKER

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AS SHOWN

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NORTH CAROLINA LICENSE NO. C-1652

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC

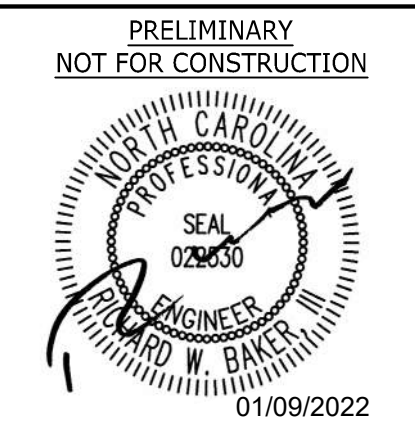
TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA

UTILITY PLAN

JOB NO.
37630.105

SHEET NO.
C5.0

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 J. DOOLEY

CHECKED BY
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TIMMONS GROUP
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CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 TOWN OF ANGIER - WAKE COUNTY - NORTH CAROLINA
LANDSCAPE PLAN

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TOWN OF ANGIER LANDSCAPE REQUIREMENTS

REQUIREMENT	REQUIRED
PARKING LOT: UDO 7.3.2.B: 1 CANOPY TREE TO BE WITHIN 60' OF EVERY PARKING SPACE	5 TREES
STREET TREES: U.D.O. 7.3.1: STAGGERED ROW OF LARGE TREES, SPACED NOT MORE THAN 30' APART, SUPPLEMENTED BY 5 LOW GROWING SHRUBS FOR EVERY REQUIRED LARGE TREE	22 LARGE TREES, 110 SHRUBS
BUFFERS: U.D.O. 7.3.1: TYPE A STAGGERED ROW OF LARGE TREES, SPACED NOT MORE THAN 30' APART, A ROW OF EVERGREEN SHRUBS PLACED NOT MORE THAN FOUR (4) TO SIX (6) FEET APART WHICH WILL GROW TO FORM A CONTINUOUS HEDGE OF AT LEAST SIX (6) FEET IN HEIGHT WITHIN TWO (2) YEARS OF PLANTING.	34 TREES, 167 SHRUBS

GROUND COVER

BG	CYNODON DACTYLON	BERMUDA GRASS	SOD
BG	CYNODON DACTYLON	BERMUDA GRASS	SEED
RB		RED BARK MULCH	

PLANT SCHEDULE

SYMBOL	DECIDUOUS SHADE TREE	PROVD	BOTANICAL NAME	COMMON NAME	MIN. INSTALLATION SIZE	COMMENTS
○	LB	14	ULMUS PARVIFOLIA	LACEBARK ELM	2.5" CAL. OR 10' MIN. HT.	STREET YARD & BUFFER
○	SO	25	QUERCUA SHUMARDII	SHUMARD OAK	2.5" CAL. OR 10' MIN. HT.	STREET YARD & BUFFER
+	GA	6	FRAXINUS PENNSYLVANICA	GREEN ASH	2.5" CAL. OR 10' MIN. HT.	BUFFER
SHRUBS						
○	WL	53	LIGUSTRUM JAPONICUM	WAXLEAF LIGUSTRUM	3 GAL. OR 18" MIN. HT	STREET YAD
○	GB	26	ILEX GLABRA	GEM BOX INKBERRY	3 GAL. OR 18" MIN. HT	FOUNDATION PLANTING
○	KB	146	BUXUS MICROPHYLLA VAR. 'KOREANA'	KOREAN BOXWOOD	3 GAL. OR 18" MIN. HT	BUFFER

LANDSCAPE NOTES:

- PRE-CONSTRUCTION**
- PRIOR TO CONSTRUCTION LOCATE ALL UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE WORK AREA. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. PROTECT ALL UTILITIES. REPAIR ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF CONSTRUCTION.
 - CONTRACTOR ENGAGED IN LANDSCAPE IMPLEMENTATION SHALL BE A LANDSCAPE CONTRACTOR REGISTERED IN THE STATE OF NORTH CAROLINA.
 - VERIFY ALL PLANT MATERIAL QUANTITIES ON PLANS PRIOR TO BIDDING. PLANT LIST TOTALS ARE FOR CONVENIENCE ONLY AND MUST BE VERIFIED.
 - PLANT MATERIAL SUBSTITUTIONS CAN ONLY OCCUR WITH PRIOR WRITTEN APPROVAL BY LANDSCAPE ARCHITECT.
 - PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES REQUIRING A BUILDING OR ZONING PERMIT AN ON-SITE PRE-CONSTRUCTION CONFERENCE SHALL TAKE PLACE WITH THE DEVELOPER AND THE ADMINISTRATOR TO REVIEW PROCEDURES FOR THE PROTECTION AND MANAGEMENT OF ALL LANDSCAPE ELEMENTS TO REMAIN.
 - ALL PLANT MATERIALS ARE SUBJECT TO LANDSCAPE ARCHITECT APPROVAL BEFORE, DURING, AND AFTER INSTALLATION.
 - ANY PLANT MATERIAL WHICH IS DISEASED, DISTRESSED, DEAD, OR REJECTED (PRIOR TO SUBSTANTIAL COMPLETION) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE.
 - ALL PLANT MATERIALS AND INSTALLATION SHALL COMPLY WITH RECOMMENDATIONS AND REQUIREMENTS OF ANSI Z60.1 "AMERICAN STANDARD FOR NURSERY STOCK".
 - ALL PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS, AND FREE OF PESTS AND DISEASE.
 - ALL PLANT MATERIAL SHALL BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
 - ALL TREES SHALL HAVE A STRAIGHT TRUNK AND FULL HEAD.

CONSTRUCTION/INSTALLATION

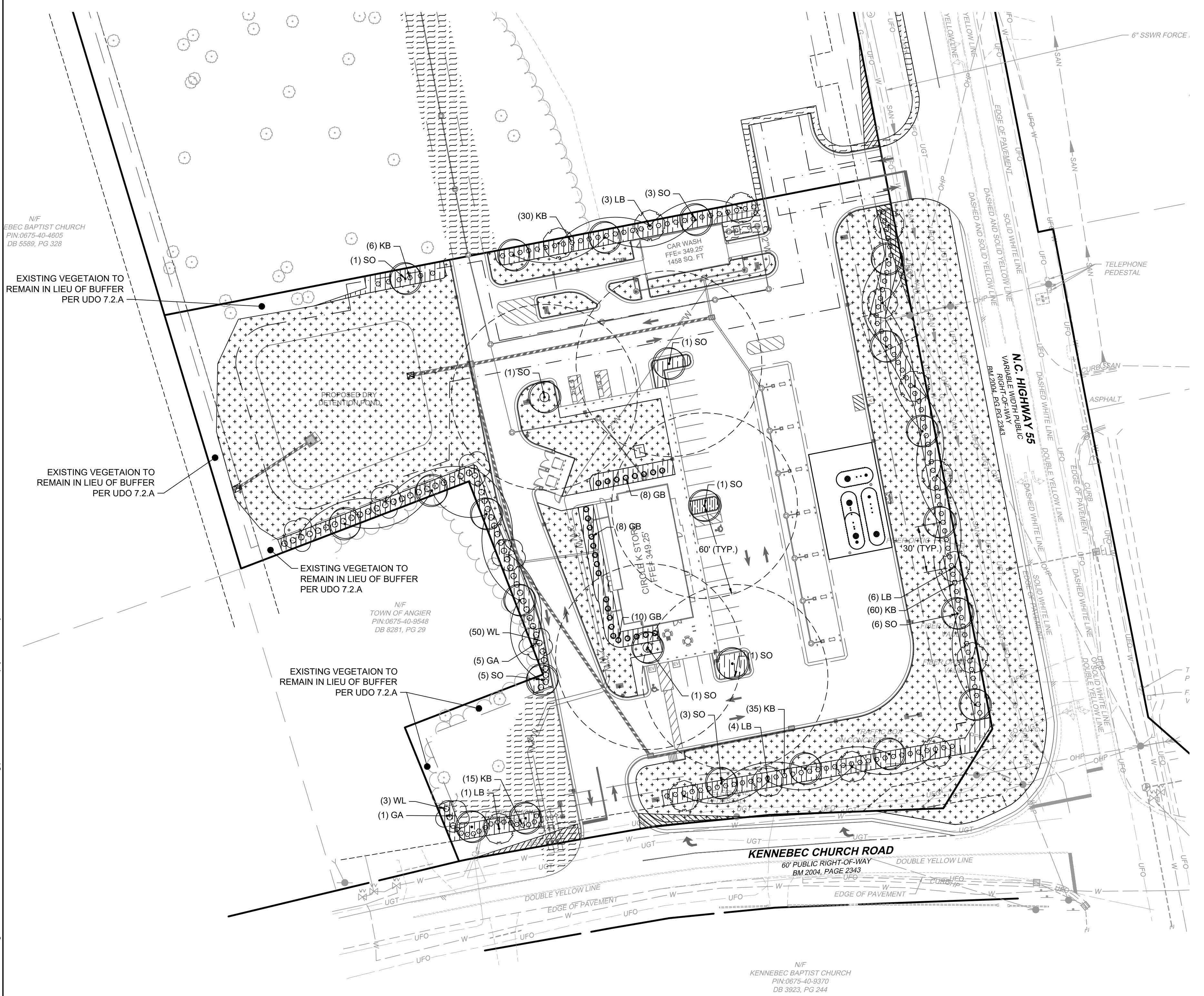
- CONTRACTOR IS ENCOURAGED TO COMPLETE TEMPORARY OR PERMANENT SEEDING IN STAGES FOR SOIL STABILIZATION AS AREAS ARE COMPLETED AFTER GRADING. THIS PLAN DOES NOT PRESENT ANY TEMPORARY STABILIZATION REQUIRED AS PART OF SWPPP PLAN.
- CONTRACTOR SHALL TAKE 3 REPRESENTATIVE SOIL SAMPLES OF EACH PROPOSED PLANT BED AND SUBMIT COPIES OF THE RESULTS TO THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING WORK.
- STUMPS LABELED FOR REMOVAL SHALL BE EXCAVATED, NOT GROUND, REMOVE ALL DEBRIS FROM THE HOLE. FILL WITH TOP SOIL, COMPACT, AND RAKE SMOOTH PRIOR TO INSTALLING NEW PLANT MATERIAL.
- CONTRACTOR IS RESPONSIBLE FOR DELIVERY SCHEDULE AND PROTECTION BETWEEN DELIVERY AND PLANTING TO MAINTAIN HEALTHY PLANT CONDITIONS.
- ALL LANDSCAPED AND LAWN AREAS ARE TO RECEIVE A MINIMUM OF 4" OF TOPSOIL.
- ALL LANDSCAPE ISLANDS SHALL BE GRADED FOR POSITIVE DRAINAGE WITH NO LOW SPOTS ALLOWING WATER TO BE TRAPPED.
- INSTALL LANDSCAPE PLANTINGS AT ENTRANCES/EXITS AND PARKING AREAS ACCORDING TO PLANS SO MATERIAL WILL NOT INTERFERE WITH SIGHT DISTANCES.
- THE SIZE OF THE PLANTING AREA AND SIZE OF PLANT MATERIAL AT MATURITY SHALL ALLOW FOR A 2.5' BUMPER OVERHANG FROM THE BACK OF CURB.
- ALL TREES MUST BE GUYED OR STAKED AS DETAILED.
- AREAS DAMAGED FROM PLANT RELOCATION OR OTHER ACTIVITIES OF LANDSCAPE CONTRACTOR TO BE RESEEDED AND ESTABLISHED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR WATERING ALL PLANT MATERIAL DURING INSTALLATION AND UNTIL FINAL INSPECTION AND ACCEPTANCE BY OWNER. CONTRACTOR SHALL NOTIFY OWNER OF CONDITIONS WHICH AFFECTS THE GUARANTEE. IT MAY BE NECESSARY TO TRUCK IN NON-CITY WATER TO MEET PLANT NEEDS.
- USE HERBICIDES, PESTICIDES, AND FERTILIZER IN A MANNER CONSISTENT WITH THE FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT AND IN ACCORDANCE WITH LABEL RESTRICTIONS.
- ALL LAWN AREAS TO BE SEEDED SHALL USE A LOCALLY GROWN COMMERCIAL MIX MEETING LATEST STATE OF NORTH CAROLINA AGRICULTURE STANDARDS FOR SEED AND PLANT CERTIFICATION.
- SEEDING AND STRAW NOTES FOR LAWN AREAS:
 - RIP THE ENTIRE AREA TO DEPTH OF NOT LESS THAN 6".
 - REMOVE ALL LOOSE ROCKS, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE SMOOTH AND UNIFORM. DISPOSE OF WASTE MATERIAL OFF-SITE.
 - CHISEL COMPACTED AREAS AND SPREAD TOPSOIL TO SPECIFIED DEPTH.
 - APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPER PHOSPHATE UNIFORMLY AND MIX WITH SOIL. APPLY SOIL AMENDMENTS PER REQUIRED SOIL ANALYSIS RECOMMENDATIONS.
 - CONTINUE TILAGE UNTIL A WELL PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED.
 - SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
 - MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
 - INSPECT ALL SEEDED AREAS AND IF POSSIBLE, MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON. IF GRANDSTAND SHOULD BE OVER 60% DAMAGED, REESTABLISH FOLLOWING ORIGINAL LINE, FERTILIZER, AND SEEDING RATES.
 - ANCHOR TACK WITH LIQUID ASPHALT AT 400 GAL/ACRE OR EMULSIFIED ASPHALT AT 300 GAL/ACRE.
- BIODEGRADABLE WEED MATTING (ALL-PRO WEED MAT OR APPROVED EQUAL) SHALL BE REQUIRED IN SHRUB BEDS ADJACENT TO BUILDING FACADE.
- PLANTING BEDS TO BE COMPLETELY COVERED WITH A MINIMUM 4" DEPTH OF MATERIAL FROM A LOCAL SOURCE HARVESTED IN A SUSTAINABLE MANNER. REFER TO LANDSCAPE SCHEME FOR MATERIAL SPECIFICATIONS.
- MULCH ALL PLANT BEDS AND TREE RINGS WITH FRESH, CLEAN MATERIAL PER SPECIFICATIONS. ALL MULCH EDGES SHALL BE NEATLY TUCKED. ALL STRING AND/OR BAILING WIRE SHALL BE REMOVED. DUST SHRUBS AND GROUND COVER AFTER MULCHING TO REMOVE LOOSE MATERIAL FROM PLANTS. DO NOT PLACE MULCH IN CONTACT WITH THE TREE TRUNK; KEEP A MINIMUM OF 4" AWAY FROM TREE TRUNK OR BASE OF PLANT.
- MULCH AND NO-MOW MIXES SHALL BE REPLISHED AS NEEDED, ESPECIALLY AFTER HEAVY RAIN EVENTS. IF NO-MOW MIX GERMINATES AT A RATE OF LESS THAN 90%, THEN REMOVE OTHER SPECIES AND RESEED.

TEMPORARY IRRIGATION

- CONTRACTOR TO PROVIDE AND MAINTAIN TEMPORARY IRRIGATION FOR SOD WITHIN THE STORMWATER CONTROL MEASURE UNTIL SOD BECOMES ESTABLISHED.

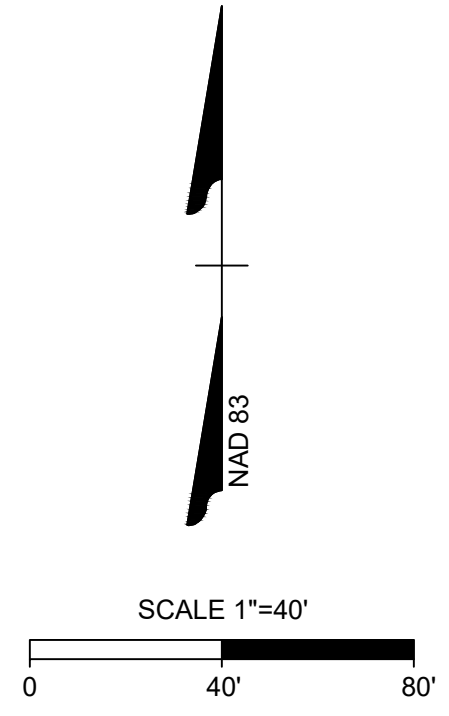
INSPECTIONS/GUARANTEE

- LANDSCAPE CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR UPON COMPLETION OF LANDSCAPE INSTALLATION. CONTRACTOR WILL VERIFY COMPLETENESS INCLUDING THE REPLACEMENT OF ALL DEAD PLANT MATERIAL. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A FINAL INSPECTION BY LANDSCAPE ARCHITECT.
- PLANT MATERIAL QUANTITIES AND SIZES WILL BE INSPECTED FOR COMPLIANCE WITH APPROVED PLANS BY A SITE PLAN REVIEW AGENT PRIOR TO THE RELEASE OF THE CERTIFICATE OF OCCUPANCY.
- CONTRACTOR TO GUARANTEE ALL PLANT MATERIALS FOR ONE FULL YEAR AGAINST DEFECTS INCLUDING DEATH AND UNSATISFACTORY GROWTH. WARRANTY PERIOD SHALL BEGIN UPON CERTIFICATE OF OCCUPANCY OR WHEN THE OWNER TAKES OVER MAINTENANCE, WHICHEVER COMES FIRST.



PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS



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PERMANENT SEEDING SCHEDULE FOR COASTAL PLAIN

DATE	TYPE	BROADCAST SEEDING RATES
OCT 1 - APR 1	SPLITBEARD BLUESTEM	15 LBS/ACRE
AUG 30 - MAR 15	BIG BLUESTEM	200-250 LBS/ACRE
AUG 15 - APR 15	RYE GRAIN	40 LBS/ACRE
APR 15- AUG 15	GERMAN MILLET	10 LBS/ACRE

TEMPORARY SEEDING SCHEDULE

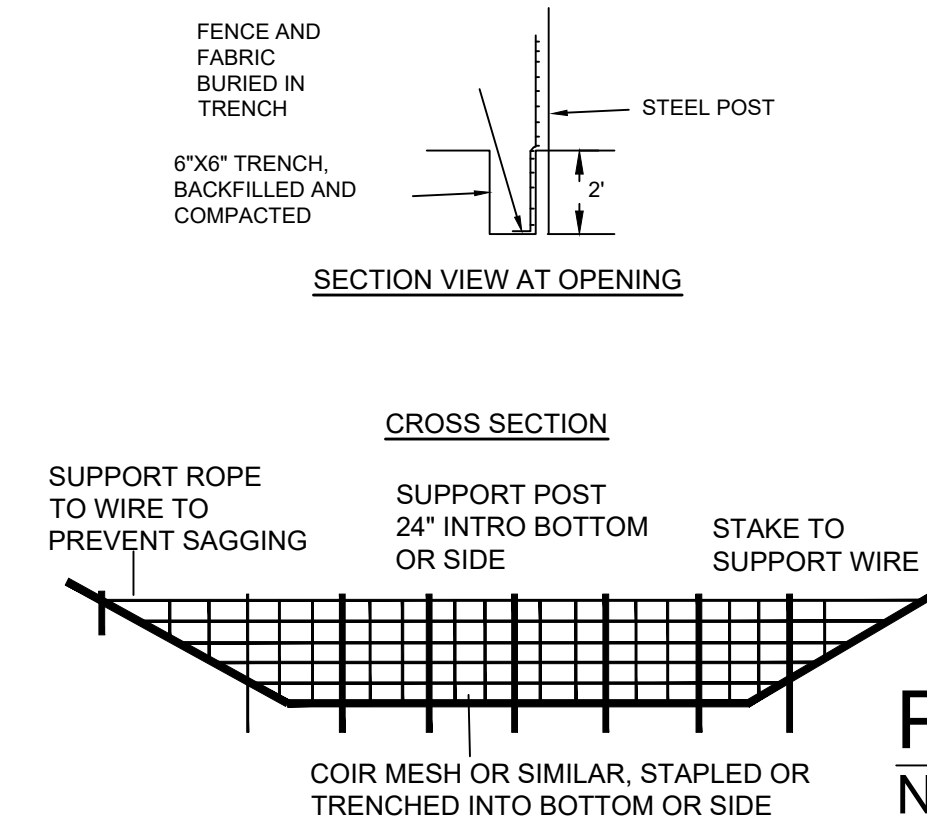
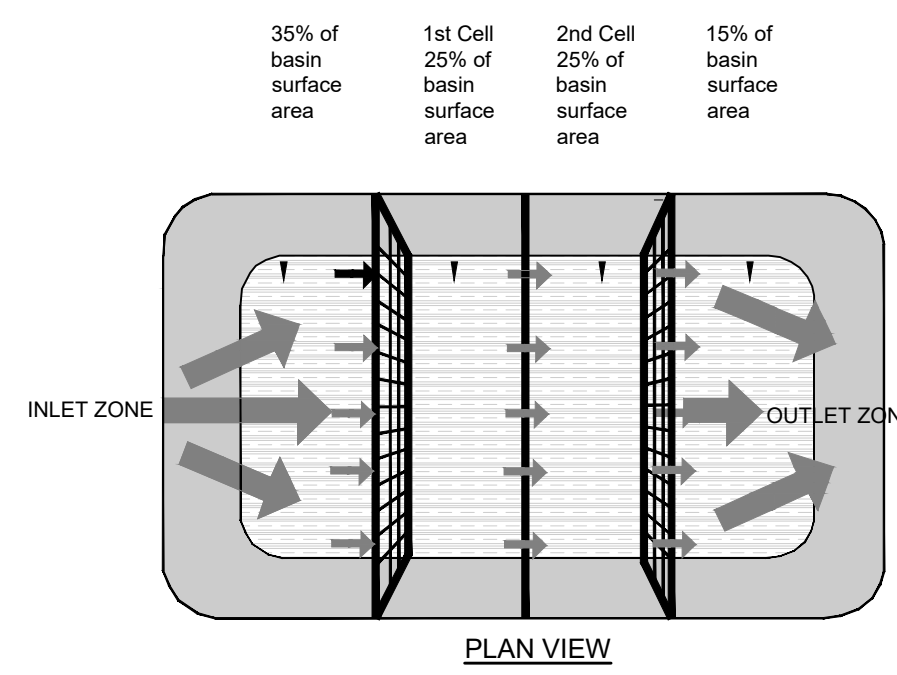
DATE	TYPE	PLANTING RATE
DEC 1 - APR 15	SWITCHGRASS	50 LBS/ACRE
APR 15 - AUG 15	GERMAN MILLET	40 LBS/ACRE
AUG 15 - DEC 30	RYE GRAIN	120 LBS/ACRE

SEEDBED PREPARATION

CONSTRUCTION SPECIFICATIONS

- CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3 INCHES DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- RIP THE ENTIRE AREA TO 6 INCHES DEPTH.
- REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- APPLY AGRICULTURAL LIME, FERTILIZER, AND SUPERPHOSPHATE UNIFORMLY AND MIX WITH SOIL (SEE BELOW*).
- CONTINUE TILLAGE UNTIL A WELL - PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED 4 TO 6 INCHES DEEP.
- SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH.
- INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD BE OVER 60% DAMAGED REESTABLISHED FOLLOWING ORIGINAL LIME, FERTILIZER, AND SEEDING RATES.
- CONSULT CONSERVATION INSPECTOR ON MAINTENANCE TREATMENT AND FERTILIZATION AFTER PERMANENT COVER IS ESTABLISHED.

*APPLY:
 AGRICULTURAL LIMESTONE - 1-1.5 TONS/ACRE ON COURSE TEXTURED SOILS AND 2-3 TONS/ACRE IN FINE-TEXTURED SOILS.
 SOILS WITH PH OF 6 OR HIGHER NEED NOT BE LIMED.
 FERTILIZER - 700/1000 LBS/ACRE (10-10-10)
 MULCH - 2 TONS/ACRE (SMALL GRAIN STRAW)
 ANCHOR - ASPHALT EMULSION AT 450 GAL/ACRE



POROUS BAFFLES DETAIL NTS

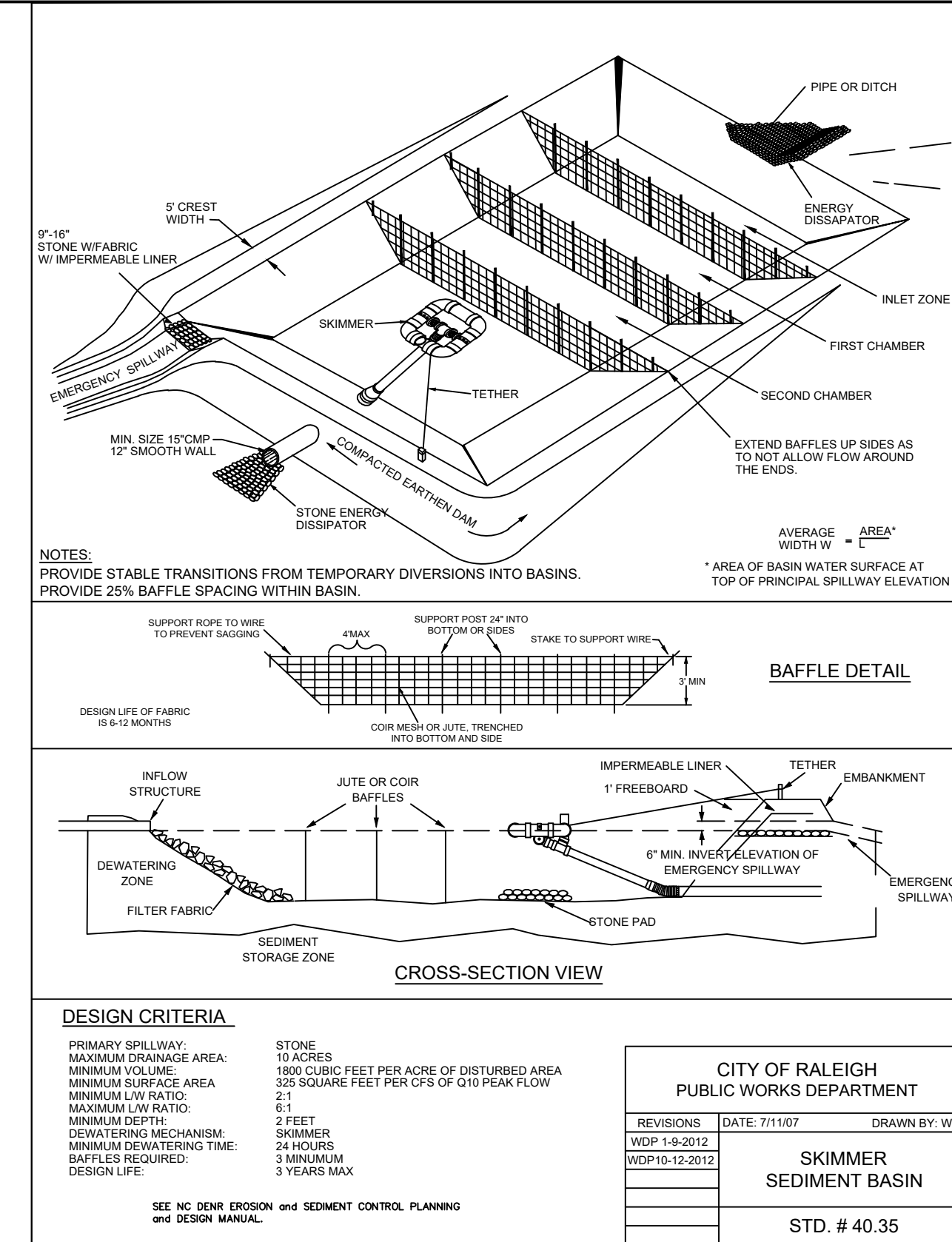
- NOTES:
- BAFFLE MATERIAL SHOULD BE SECURED AT THE BOTTOM AND SIDES USING STAPLES OR BY TRENCHING AS FOR SILT FENCE.
 - MOST OF THE SEDIMENT WILL ACCUMULATE IN THE 1ST BAY, WHICH SHOULD BE READILY ACCESSIBLE FOR MAINTENANCE.
 - PROVIDE 3 BAFFLES (USE TWO IF LESS THAN 20 FEET IN LENGTH). PROVIDE 5 BAFFLES FOR DRAINAGE AREAS GREATER THAN 10 ACRES.
 - BAFFLE SHALL BE 700 G/M² COIR EROSION BLANKET.
 - TOPS OF BAFFLES SHOULD BE 2 INCHES LOWER THAN THE TOP OF THE BERMS.
 - INSPECT BAFFLES FOR REPAIR ONCE A WEEK AND AFTER EACH RAINFALL.

MAINTENANCE
 INSPECT BAFFLES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

BE SURE TO MAINTAIN ACCESS TO THE BAFFLES. SHOULD THE FABRIC OF A BAFFLE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

REMOVE SEDIMENT DEPOSITS WHEN IT REACHES HALF FULL TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE BAFFLES. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. SEDIMENT DEPTH SHOULD NEVER EXCEED HALF THE DESIGNED STORAGE DEPTH.

REMOVE ALL BAFFLE MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



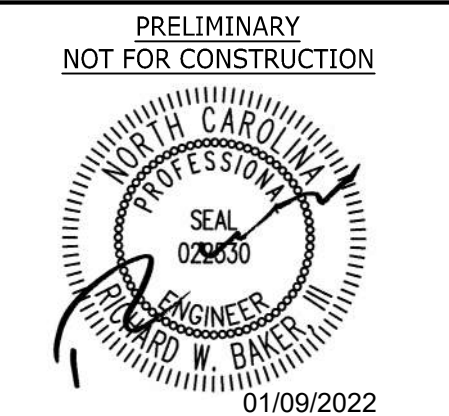
DESIGN CRITERIA

PRIMARY SPILLWAY:	STONE
MAXIMUM DRAINAGE AREA:	10 ACRES
MINIMUM VOLUME:	1800 CUBIC FEET PER ACRE OF DISTURBED AREA
MINIMUM SURFACE AREA:	325 SQUARE FEET PER ACRE OF 0.10 PEAK FLOW
MINIMUM LAY RATIO:	2:1
MAXIMUM LAY RATIO:	2 FEET
MINIMUM DEPTH:	30 INCHES
DEWATERING MECHANISM:	30 MINUTES
MINIMUM DEWATERING TIME:	24 HOURS
BAFFLES REQUIRED:	3
DESIGN LIFE:	3 YEARS MAX

CITY OF RALEIGH PUBLIC WORKS DEPARTMENT	
DATE: 7/11/07	DRAWN BY: WDR
WDP: 1-8-2012	SKIMMER SEDIMENT BASIN
WDP10-12-2012	STD. # 40.35

SKIMMER SEDIMENT BASIN MAINTENANCE

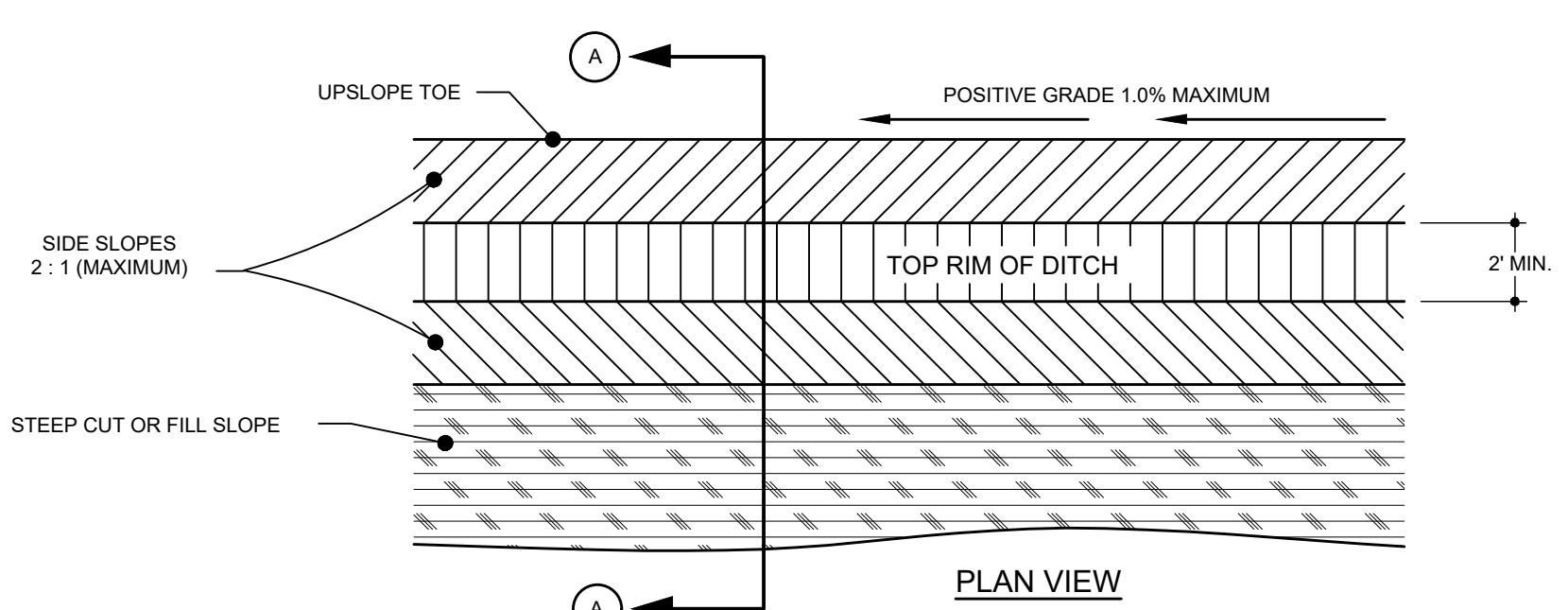
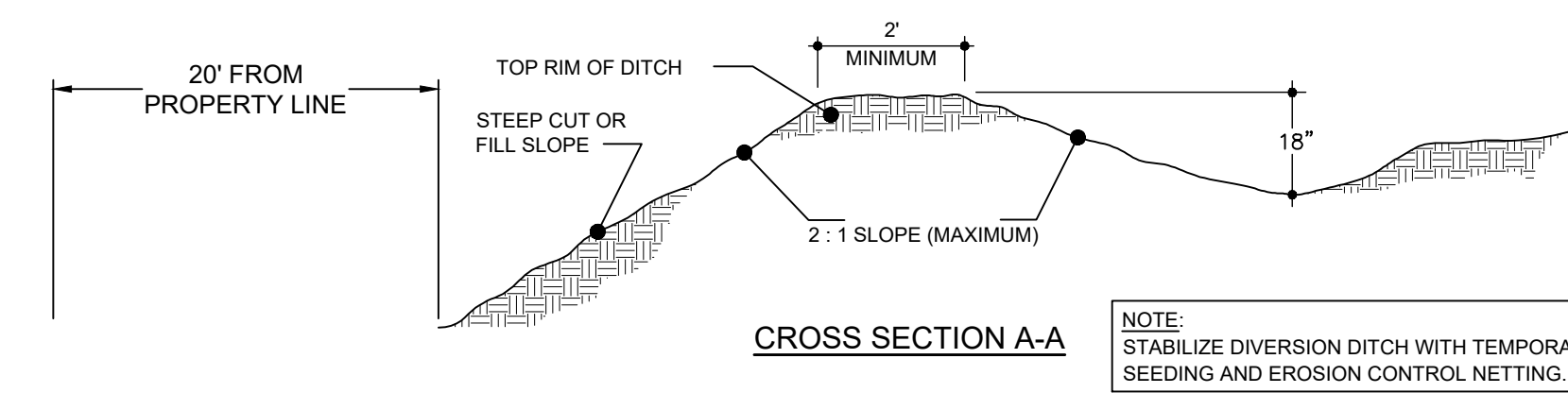
INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE THE BASIN TO ITS ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO ONE-HALF THE HEIGHT OF THE FIRST BAFFLE. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. EXCAVATE THE SEDIMENT FROM THE ENTIRE BASIN. NOT JUST AROUND THE SKIMMER OR THE FIRST CELL. MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER. REPAIR BAFFLES IF THEY ARE DAMAGED. RE-ANCHOR THE BAFFLES IF WATER IS FLOWING UNDERNEATH OR AROUND THEM. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLODGE THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED; IF SO REMOVE THE DEBRIS. IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER. CHECK THE FABRIC LINED SPILLWAY FOR DAMAGE AND MAKE ANY REQUIRED REPAIRS WITH FABRIC THAT SPANS THE FULL WIDTH OF THE SPILLWAY. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE. AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE SKIMMER AND POOL AREAS. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.



THIS DRAWING PREPARED AT THE
RALEIGH OFFICE
 5410 Trinity Road, Suite 102 | Raleigh, NC 27607
 TEL 919.866.4951 | FAX 919.853.8124 | www.timmons.com

YOUR VISION ACHIEVED THROUGH OURS.

DATE	10/10/2022
DRAWN BY	J. YOKLEY
DESIGNED BY	J. DOOLEY
CHECKED BY	R. BAKER
SCALE	AS SHOWN



CONSTRUCTION SPECIFICATIONS

- REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL
- ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DESIGN REQUIREMENTS.
- ENSURE THAT THE TOP OF THE DIKE IS NOT LOWER AT ANY POINT THAN THE DESIGN ELEVATION PLUS THE SPECIFIED SETTLEMENT.
- PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGRADING AND CLEANOUT.
- DIVERSION DITCHES MUST COMPLY WITH THE 7-DAY GROUND STABILIZATION REQUIREMENT AT THE RIDGE OF THE BERM PER NCDEQ.
- VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION, UNLESS IT WILL REMAIN IN PLACE LESS THAN 30 WORKING DAYS

MAINTENANCE

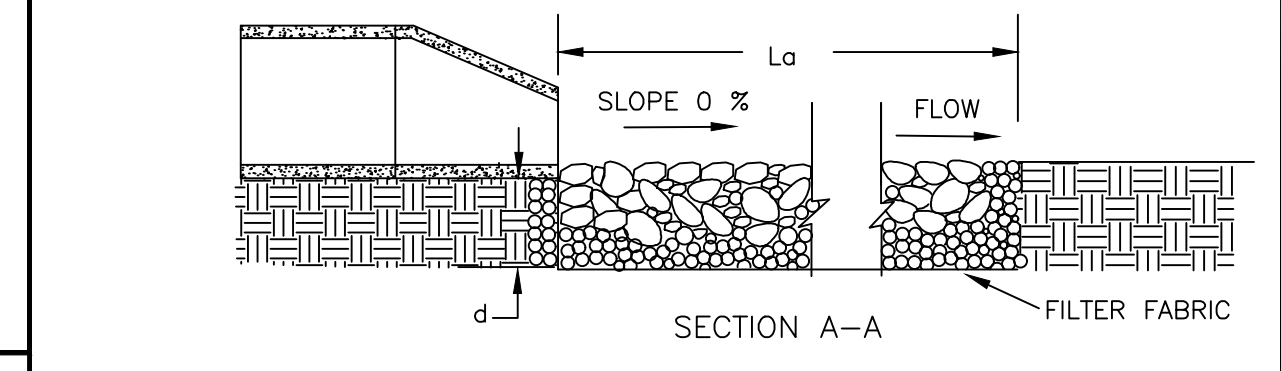
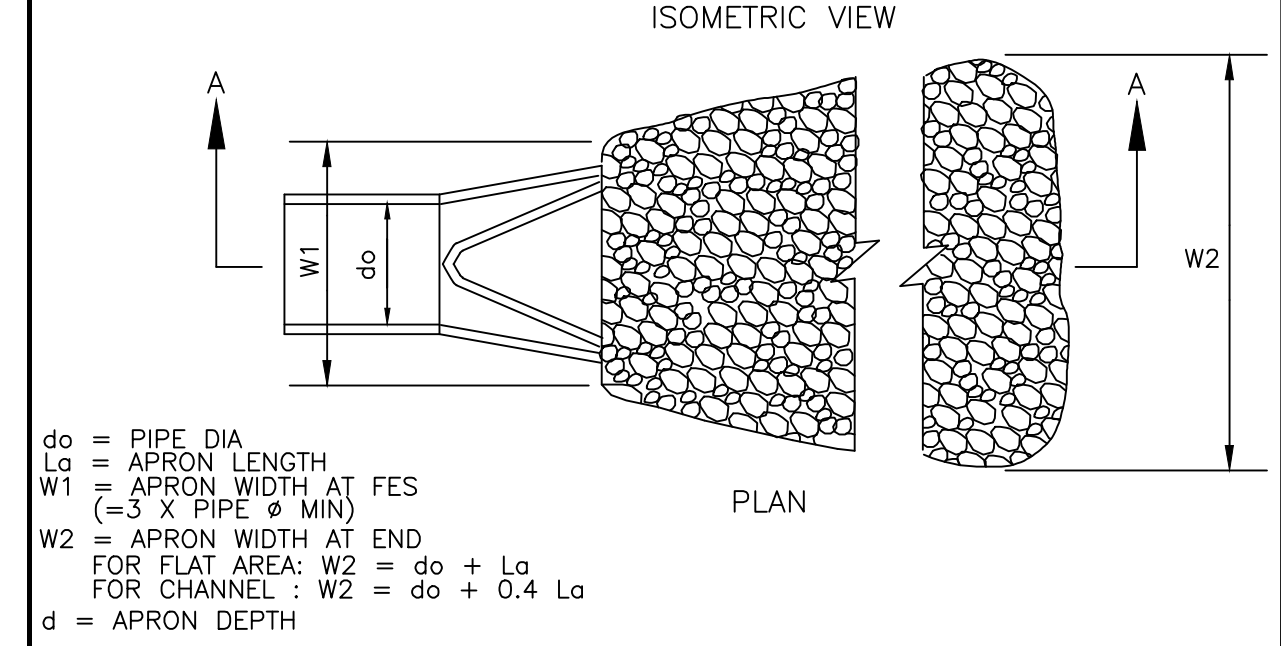
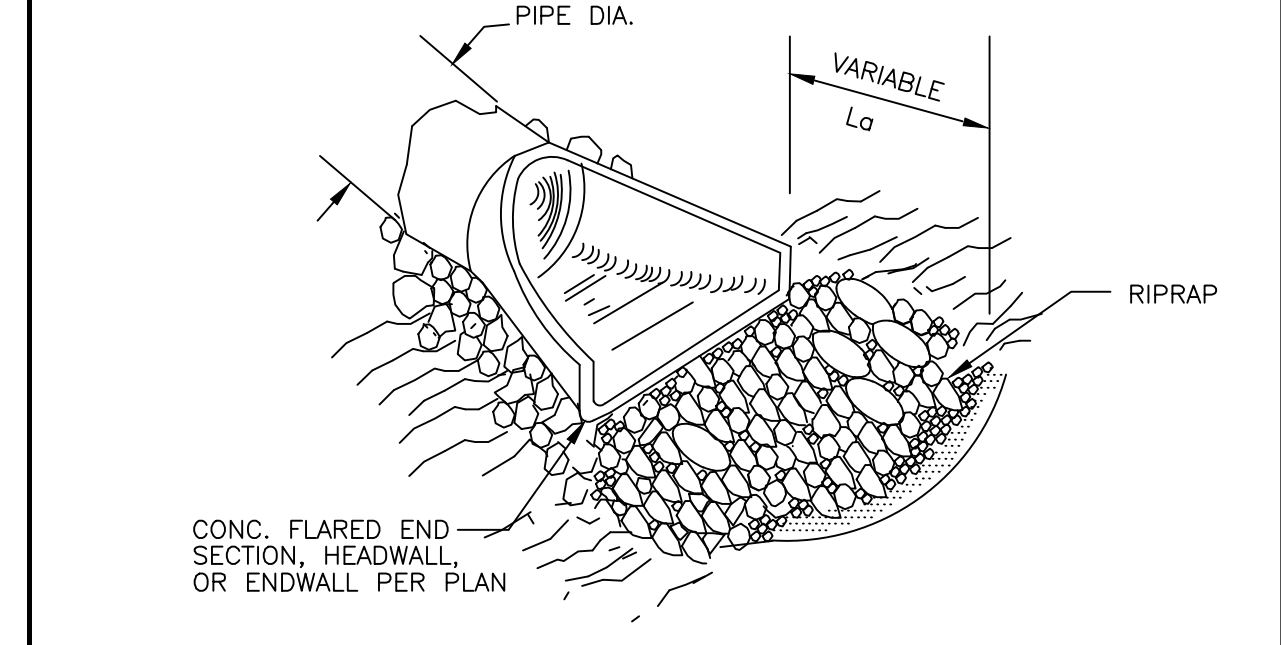
INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL.
 IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE.
 CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.
 WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZE IT.

STANDARD TEMPORARY DIVERSION DITCH NTS

NOTE: FILTER FABRIC SHALL BE INSTALLED UNDER ALL RIPRAP ON THIS PROJECT

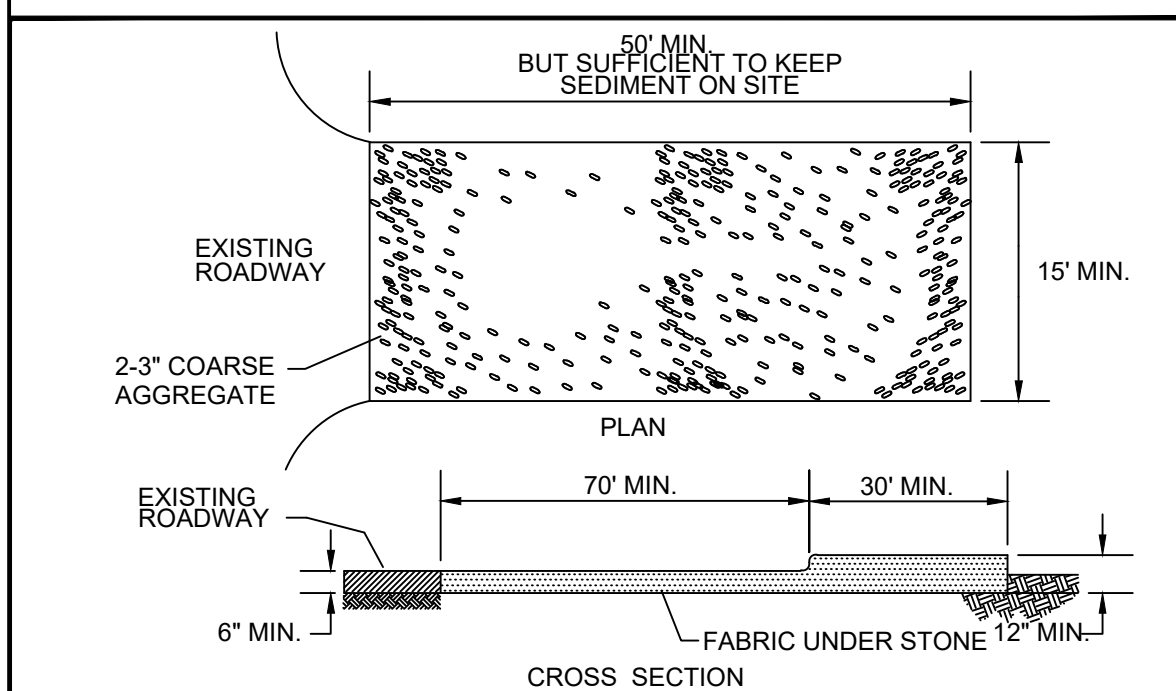
NCDOT GRADATION TABLE
 ACCEPTANCE CRITERIA FOR RIPRAP
 AND STONE FOR EROSION CONTROL
 REQUIRED STONE SIZES - INCHES

CLASS	MINIMUM	MIDRANGE	MAXIMUM
A	2	4	6
B	5	8	12
1	5	10	17
2	9	14	23



MAINTENANCE:
 INSPECT RIPRAP OUTLET STRUCTURES WEEKLY AND AFTER SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENTS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE, OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

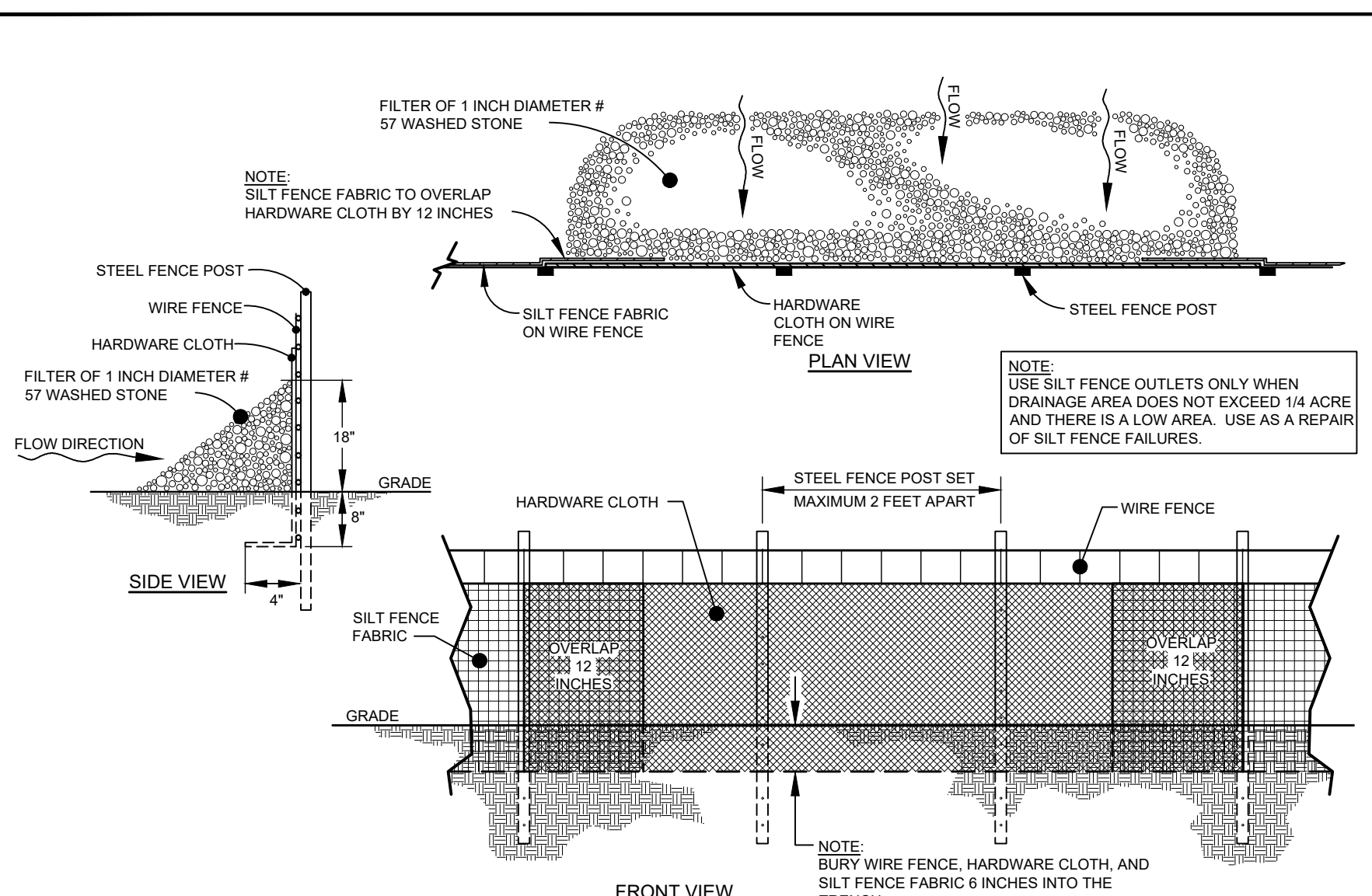
RIP RAP APRON NTS



- CONSTRUCTION SPECIFICATIONS**
- CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.
 - PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS AND SMOOTH IT.
 - PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.
 - USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE.

MAINTENANCE
 MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2" STONE. AFTER EACH RAINFALL, INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT AND IT OUT A NECESSARY. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED OR TRACKED ONTO PUBLIC ROADWAYS.

CONSTRUCTION ENTRANCE DETAIL NTS



- CONSTRUCTION SPECIFICATIONS**
- USE A SYNTHETIC FILTER FABRIC OF AT LEAST 95% BY WEIGHT OF POLYOLEFINS OR POLYESTER, WHICH IS CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE REQUIREMENTS IN ASTM D 6461, WHICH IS SHOWN IN PART IN TABLE 6.62B.
 - SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT TEMPERATURE RANGE OF 0 TO 120° F.
 - ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.25 LB/LINEAR FT MINIMUM STEEL WITH A MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
 - FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.

MAINTENANCE
 INSPECT SEDIMENT FENCE AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
 SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.
 REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
 REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

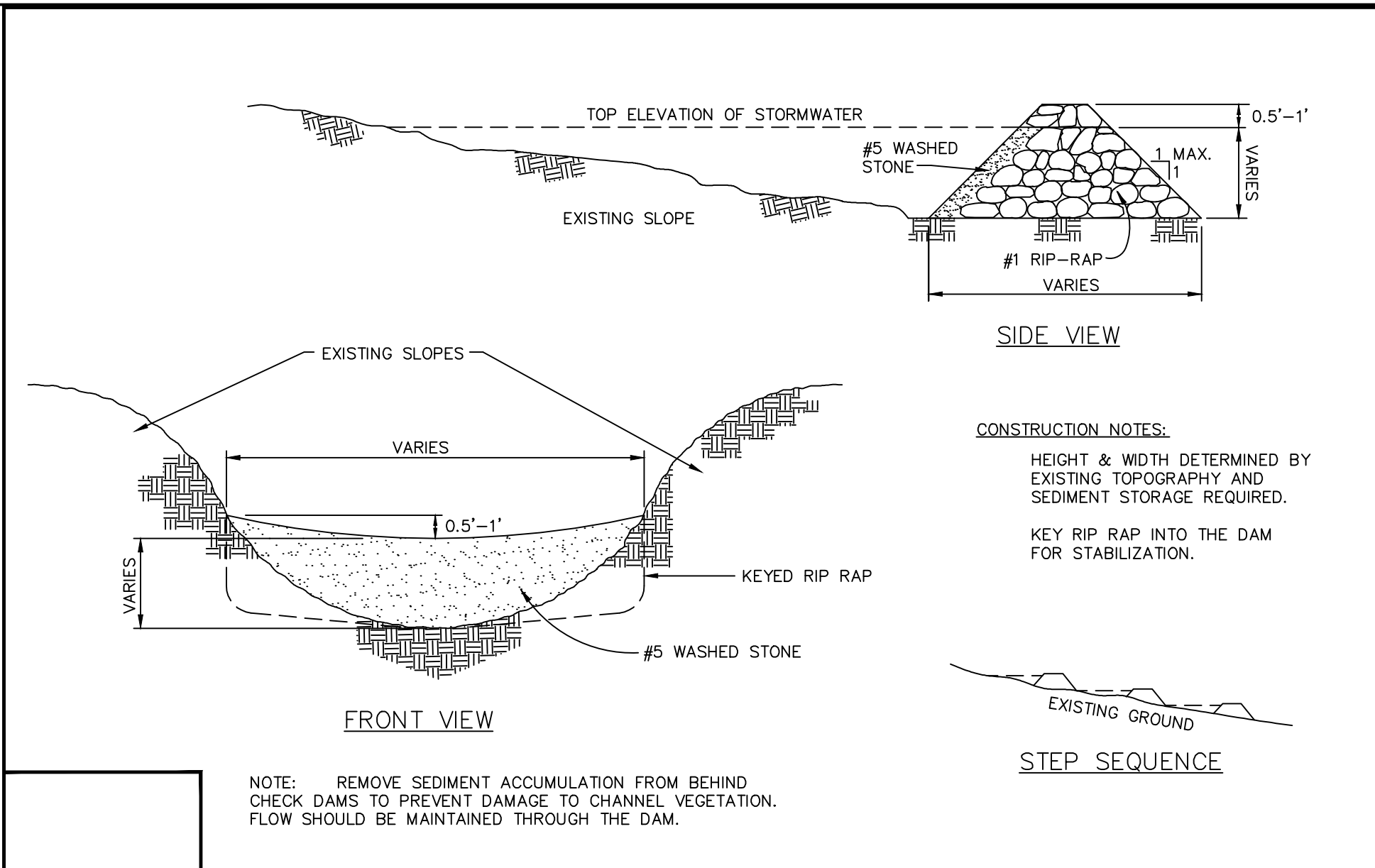
STANDARD SILT FENCE STONE OUTLET NTS

PRELIMINARY - NOT RELEASED FOR CONSTRUCTION

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF ANGIER, NCDEQ AND NCDOT STANDARDS, SPECIFICATIONS, AND DETAILS

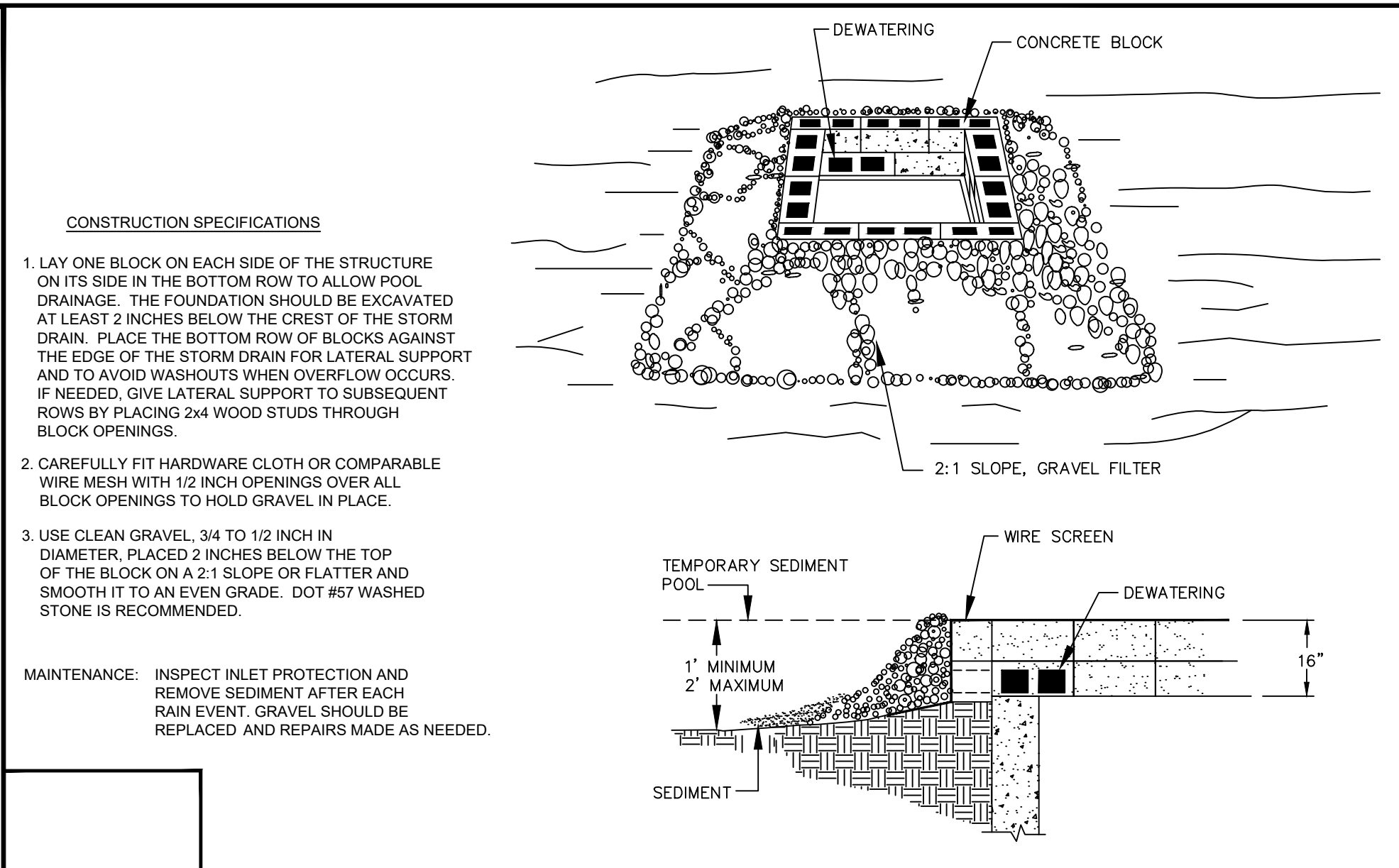
TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652
 CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC
 WAKE COUNTY - NORTH CAROLINA
 NOTES AND DETAILS

JOB NO.	37630.105
SHEET NO.	C7.0



NOTE: REMOVE SEDIMENT ACCUMULATION FROM BEHIND CHECK DAMS TO PREVENT DAMAGE TO CHANNEL VEGETATION. FLOW SHOULD BE MAINTAINED THROUGH THE DAM.

STANDARD CHECK DAM

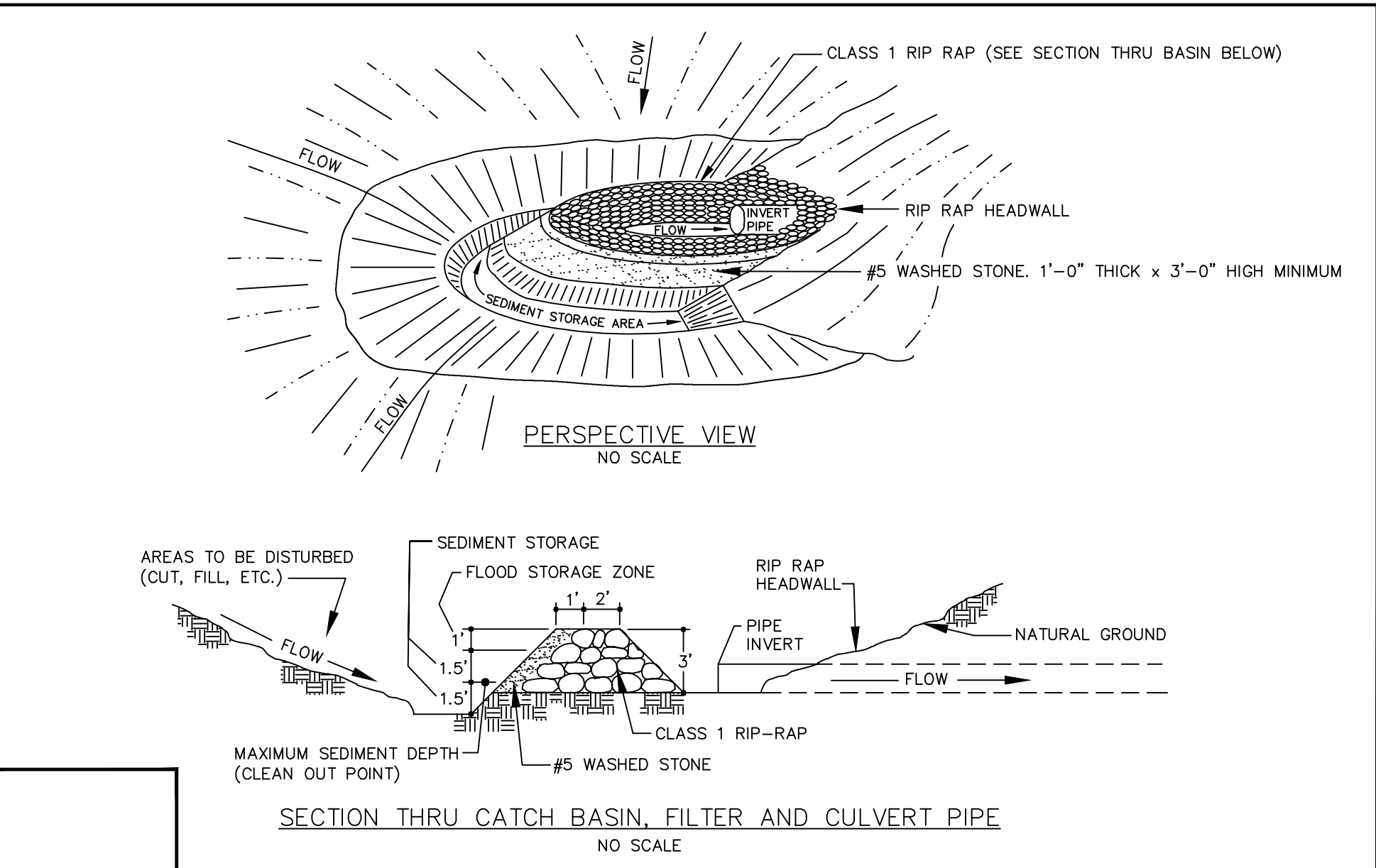


CONSTRUCTION SPECIFICATIONS

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE IN THE BOTTOM ROW TO ALLOW POOL DRAINAGE. THE FOUNDATION SHOULD BE EXCAVATED AT LEAST 2 INCHES BELOW THE CREST OF THE STORM DRAIN. PLACE THE BOTTOM ROW OF BLOCKS AGAINST THE EDGE OF THE STORM DRAIN FOR LATERAL SUPPORT AND TO AVOID WASHOUTS WHEN OVERFLOW OCCURS. IF NEEDED, GIVE LATERAL SUPPORT TO SUBSEQUENT ROWS BY PLACING 2x4 WOOD STUDS THROUGH BLOCK OPENINGS.
- CAREFULLY FIT HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2 INCH OPENINGS OVER ALL BLOCK OPENINGS TO HOLD GRAVEL IN PLACE.
- USE CLEAN GRAVEL, 3/4 TO 1/2 INCH IN DIAMETER, PLACED 2 INCHES BELOW THE TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER AND SMOOTH IT TO AN EVEN GRADE. DOT #57 WASHED STONE IS RECOMMENDED.

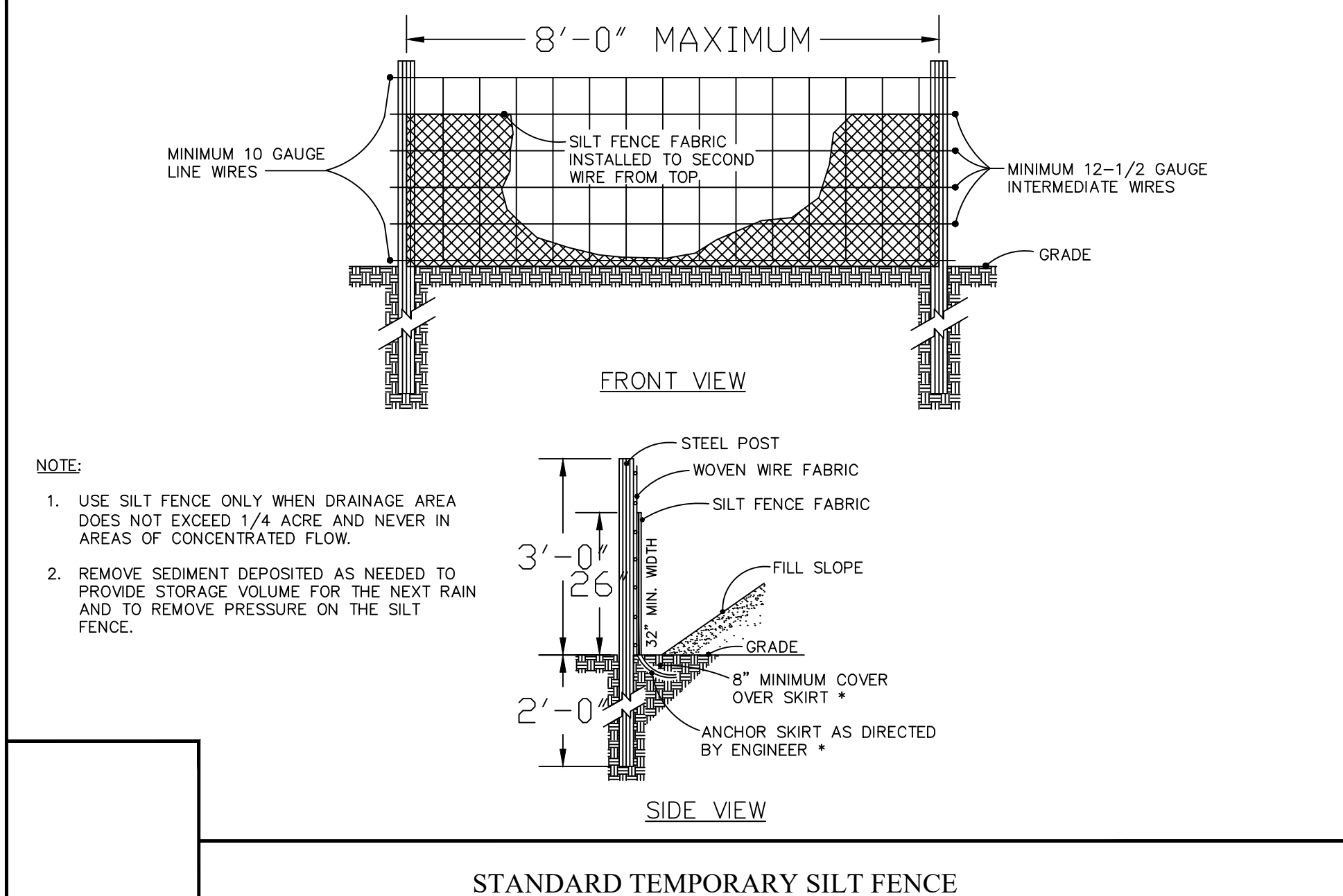
MAINTENANCE: INSPECT INLET PROTECTION AND REMOVE SEDIMENT AFTER EACH RAIN EVENT. GRAVEL SHOULD BE REPLACED AND REPAIRS MADE AS NEEDED.

STANDARD BLOCK & GRAVEL DROP INLET PROTECTION



SECTION THRU CATCH BASIN, FILTER AND CULVERT PIPE

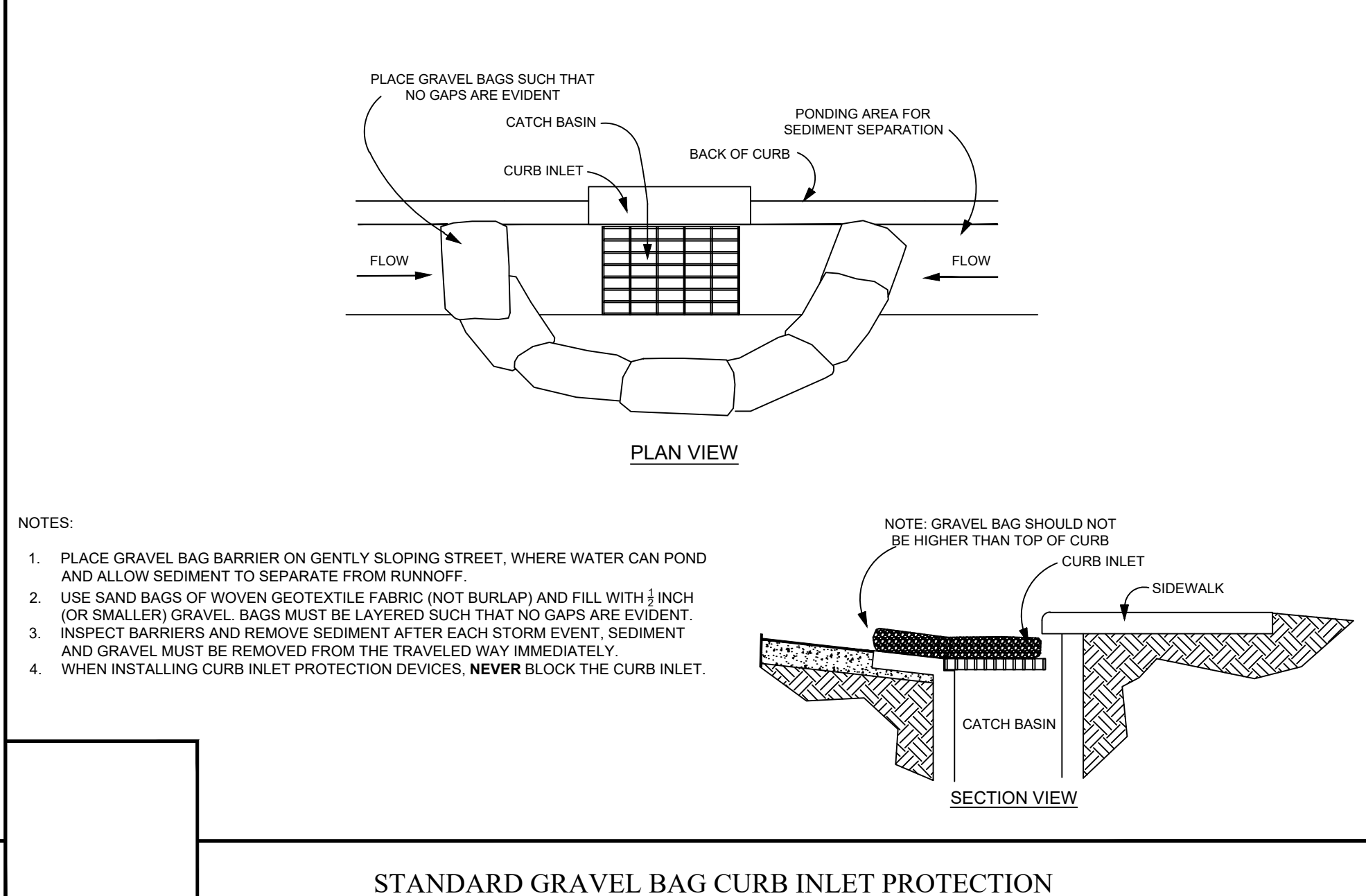
STANDARD HORSESHOE INLET PROTECTION



NOTE:

- USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
- REMOVE SEDIMENT DEPOSITED AS NEEDED TO PROVIDE STORAGE VOLUME FOR THE NEXT RAIN AND TO REMOVE PRESSURE ON THE SILT FENCE.

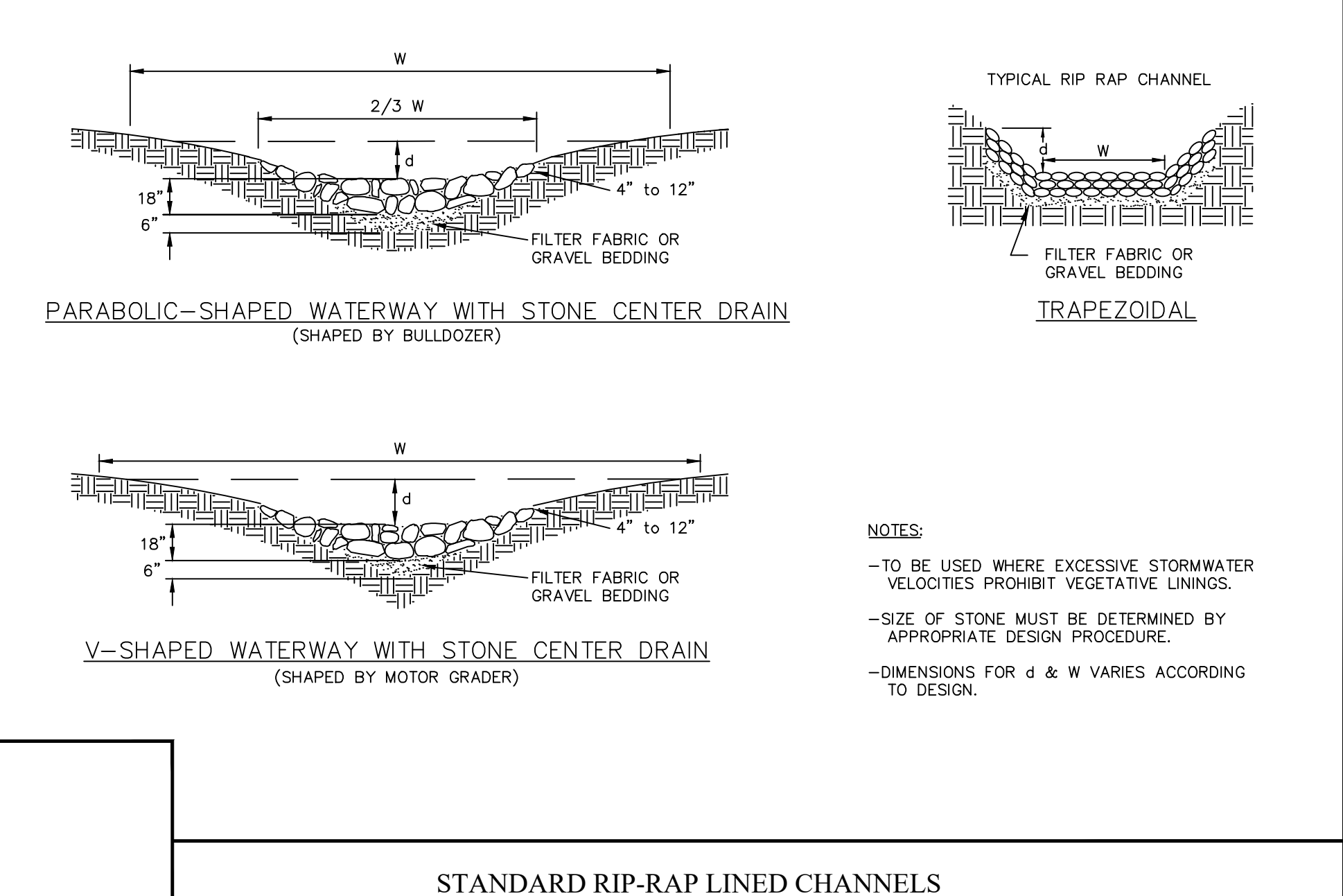
STANDARD TEMPORARY SILT FENCE



NOTE:

- PLACE GRAVEL BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
- USE SAND BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH 1/2 INCH (OR SMALLER) GRAVEL. BAGS MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
- INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
- WHEN INSTALLING CURB INLET PROTECTION DEVICES, NEVER BLOCK THE CURB INLET.

STANDARD GRAVEL BAG CURB INLET PROTECTION



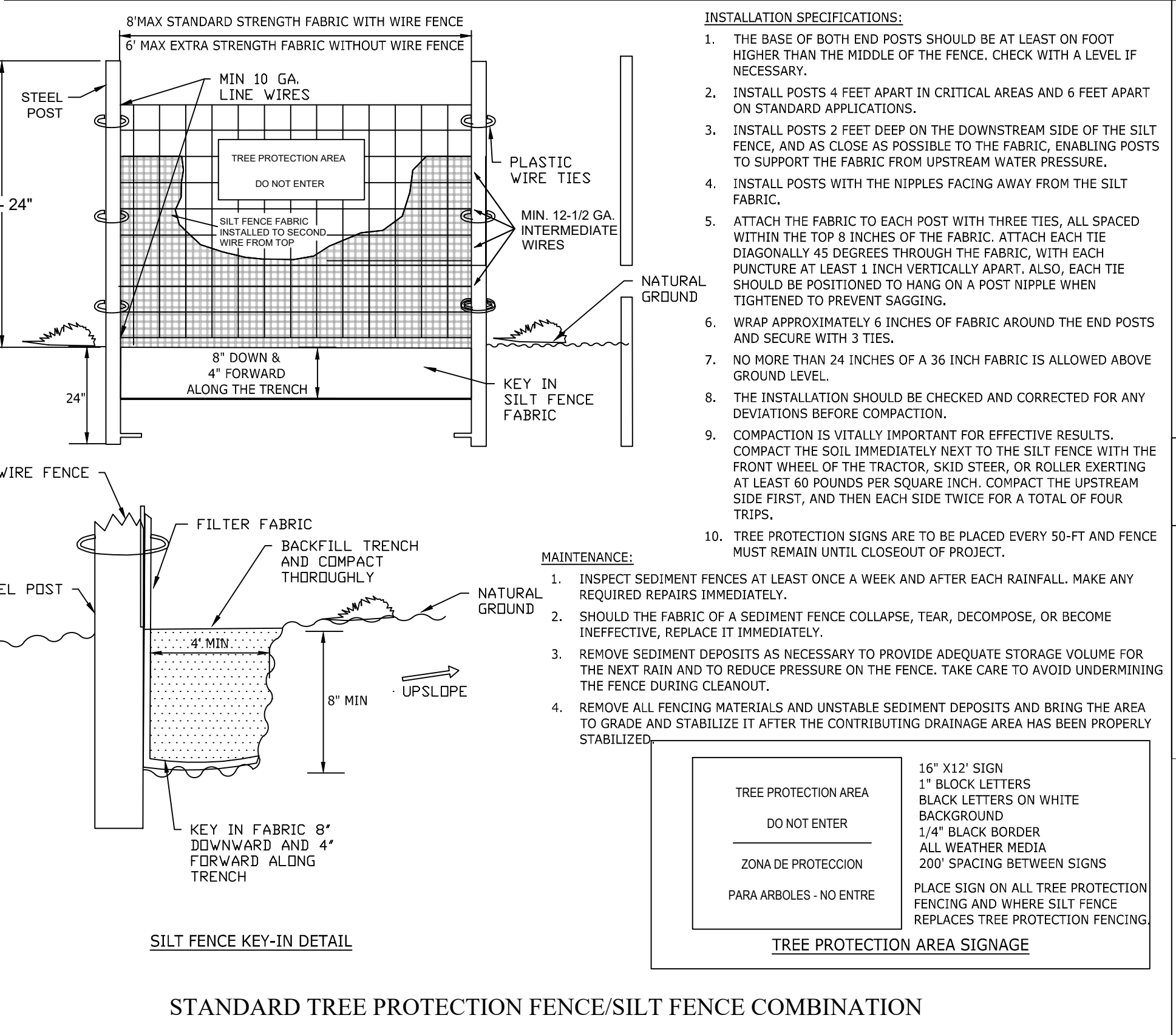
PARABOLIC-SHAPED WATERWAY WITH STONE CENTER DRAIN (SHAPED BY BULLDOZER)

V-SHAPED WATERWAY WITH STONE CENTER DRAIN (SHAPED BY MOTOR GRADER)

NOTES:

- TO BE USED WHERE EXCESSIVE STORMWATER VELOCITIES PROHIBIT VEGETATIVE LININGS.
- SIZE OF STONE MUST BE DETERMINED BY APPROPRIATE DESIGN PROCEDURE.
- DIMENSIONS FOR d & W VARIES ACCORDING TO DESIGN.

STANDARD RIP-RAP LINED CHANNELS



INSTALLATION SPECIFICATIONS:

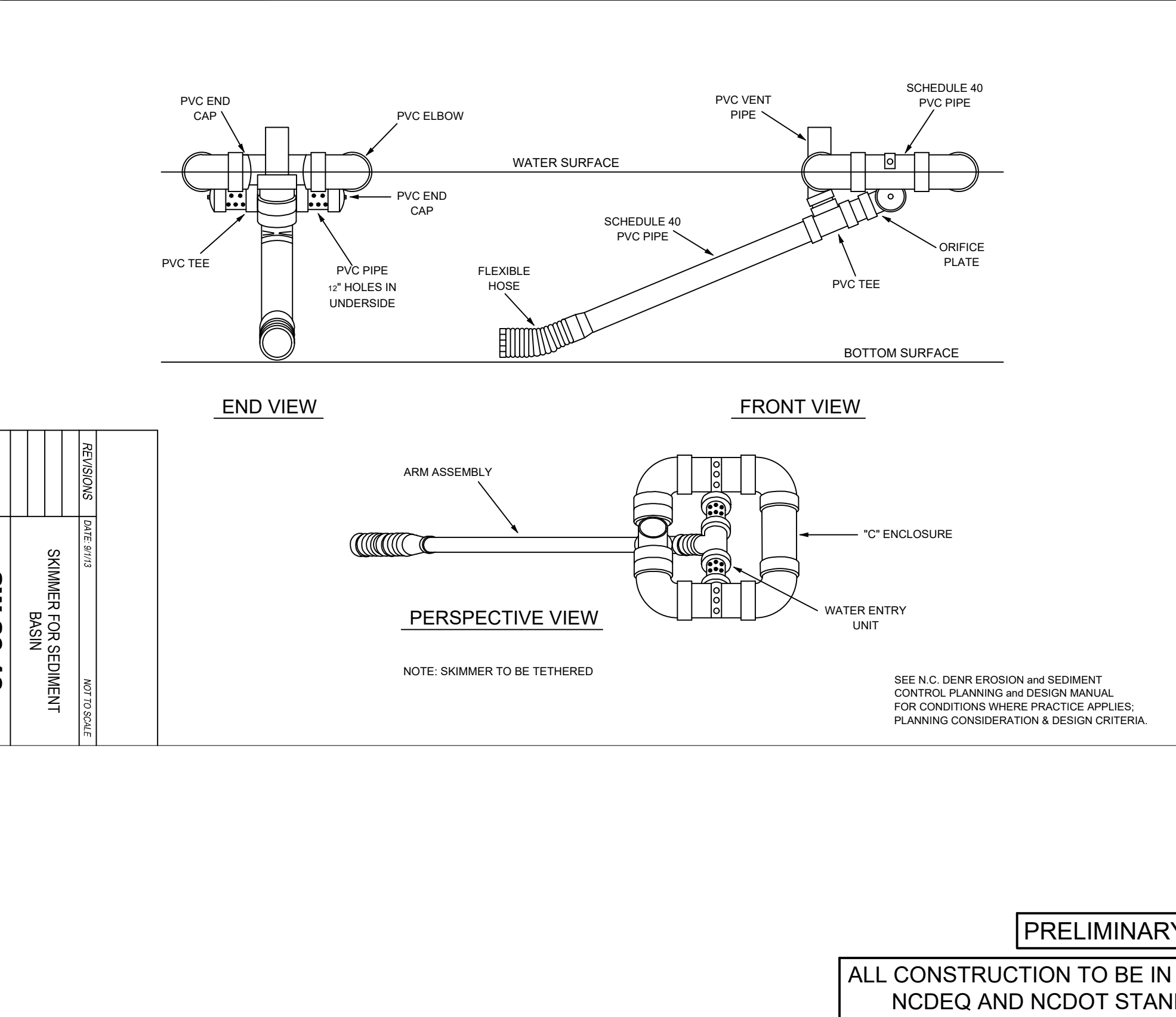
- THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ON FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
- INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
- INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
- INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
- ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
- WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
- NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
- THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
- COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
- TREE PROTECTION SIGNS ARE TO BE PLACED EVERY 50-FT AND FENCE MUST REMAIN UNTIL CLOSURE OF PROJECT.

MAINTENANCE:

- INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY.
- REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

16' X 12' SIGN
1" BLOCK LETTERS
BLACK LETTERS ON WHITE BACKGROUND
1/4" BLACK BORDER
ALL WEATHER MEDIA
200' SPACING BETWEEN SIGNS
PLACE SIGN ON ALL TREE PROTECTION FENCING AND WHERE SILT FENCE REPLACES TREE PROTECTION FENCING

STANDARD TREE PROTECTION FENCE/SILT FENCE COMBINATION



END VIEW

FRONT VIEW

PERSPECTIVE VIEW

NOTE: SKIMMER TO BE TETHERED

SEE N.C. DEMR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR CONDITIONS WHERE PRACTICE APPLIES; PLANNING CONSIDERATION & DESIGN CRITERIA.

REVISIONS

NO.	DATE	DESCRIPTION
1	01/20/22	ADDED SKIMMER

SW-20-19

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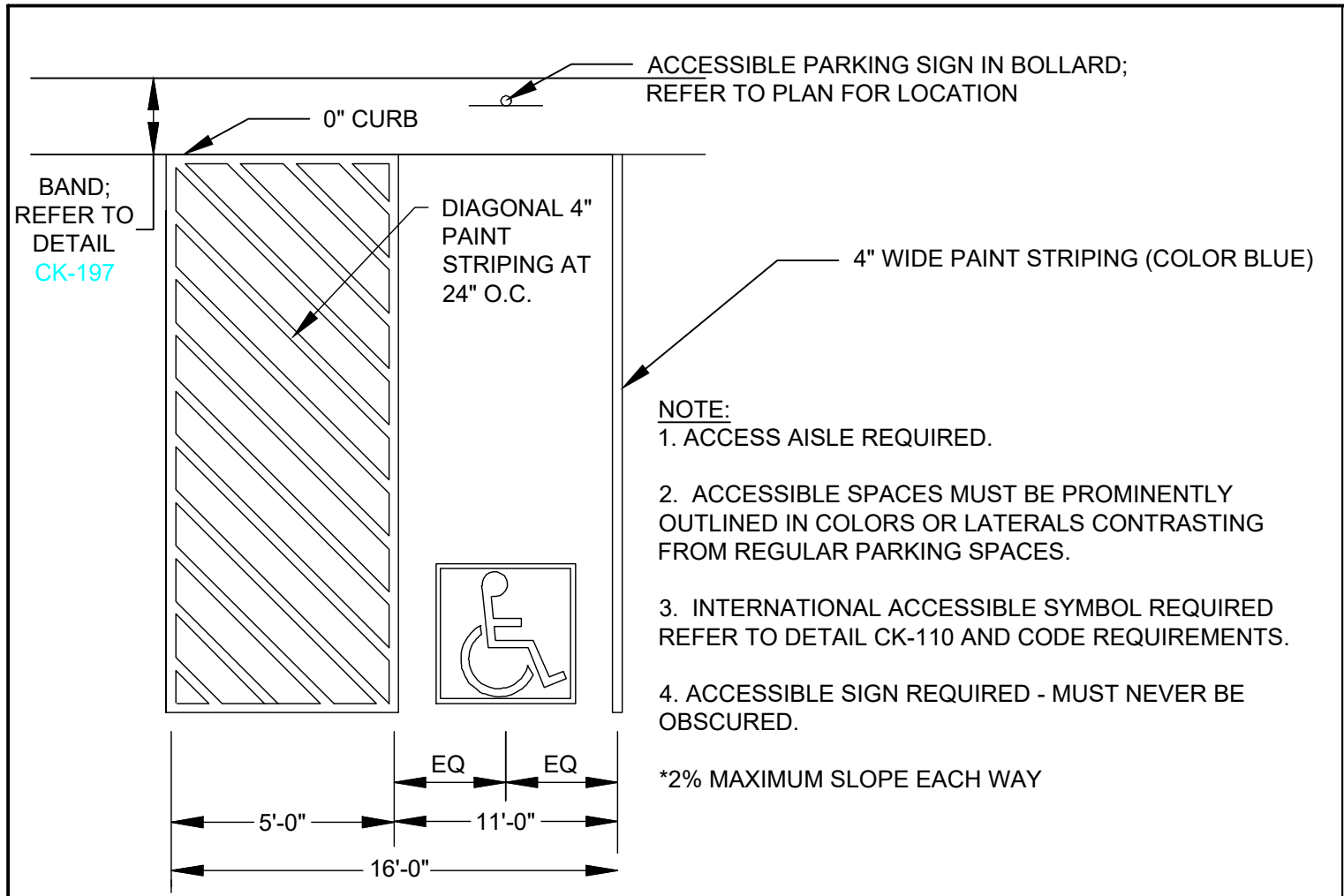
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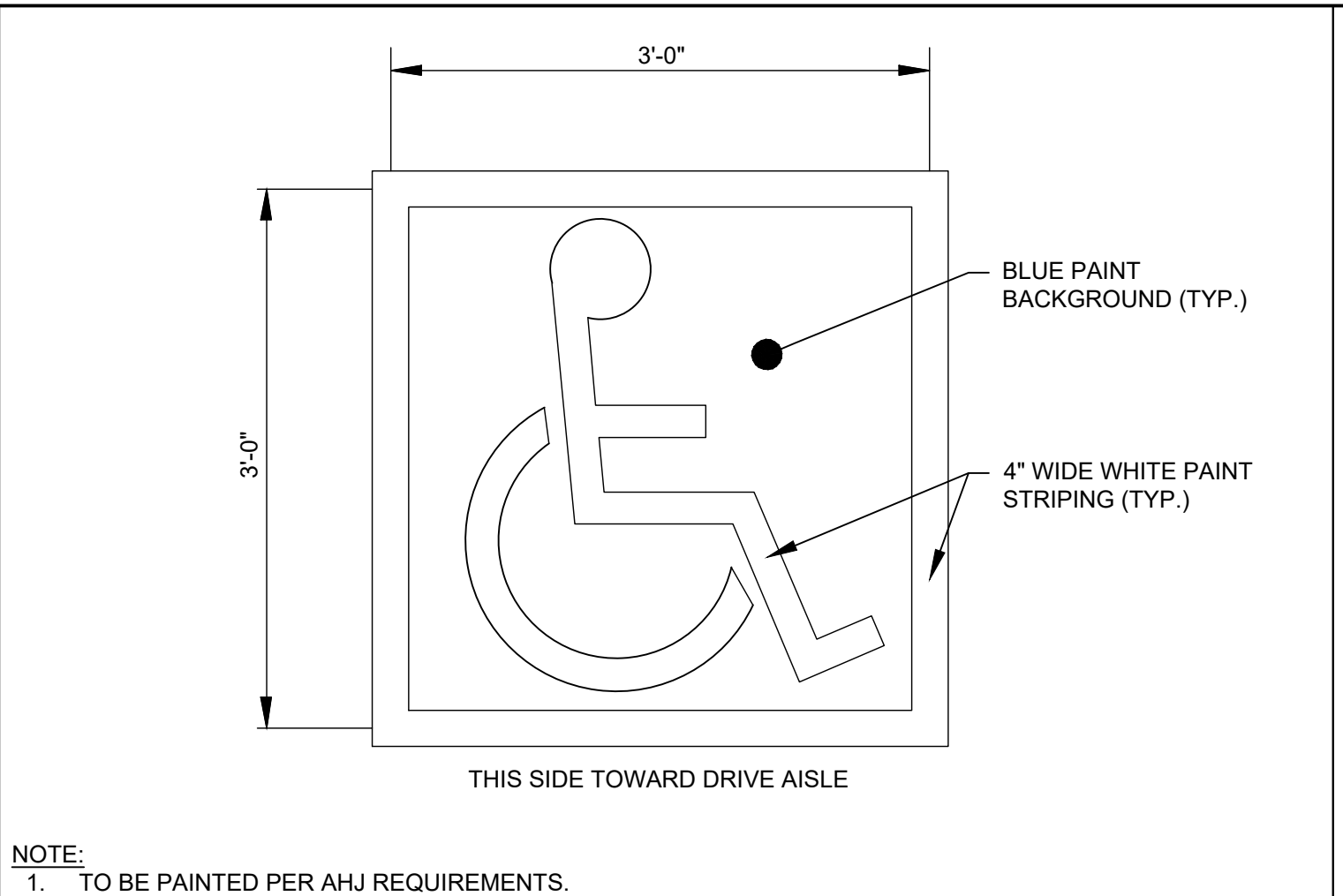
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SHEET NO. C7.1

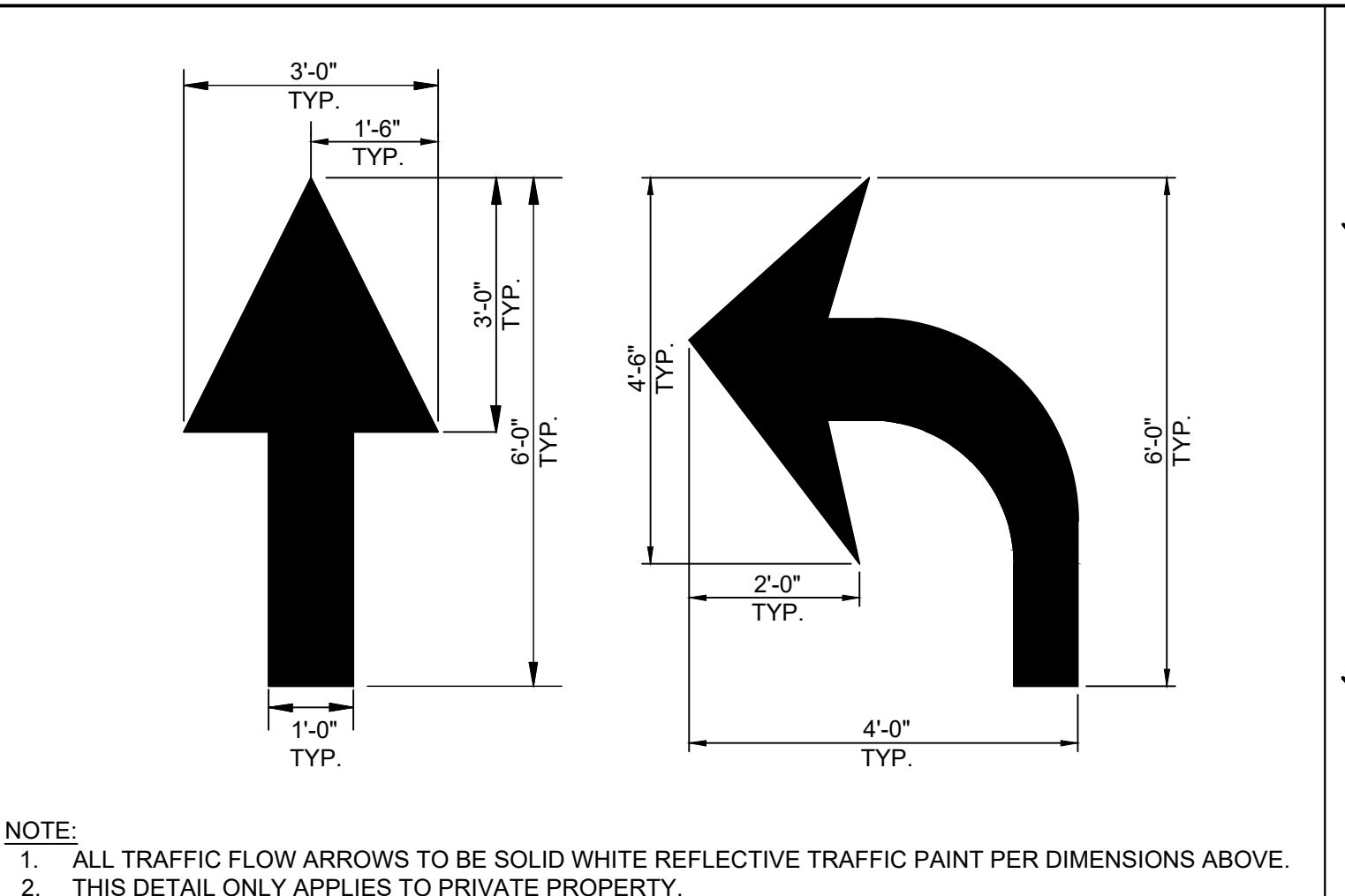
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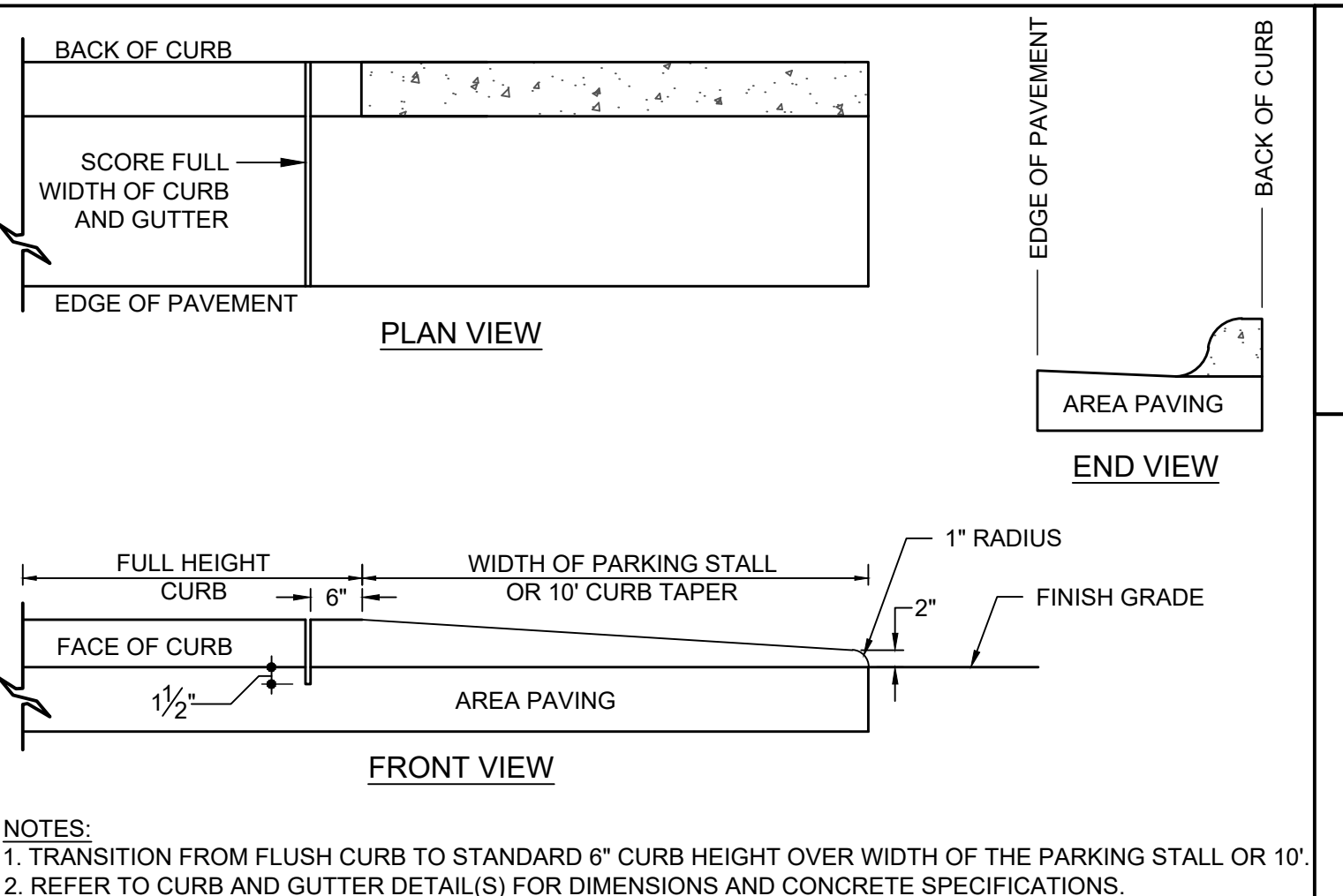
CK-105 ACCESSIBLE PARKING STALL
REVISED: 2021-08-25



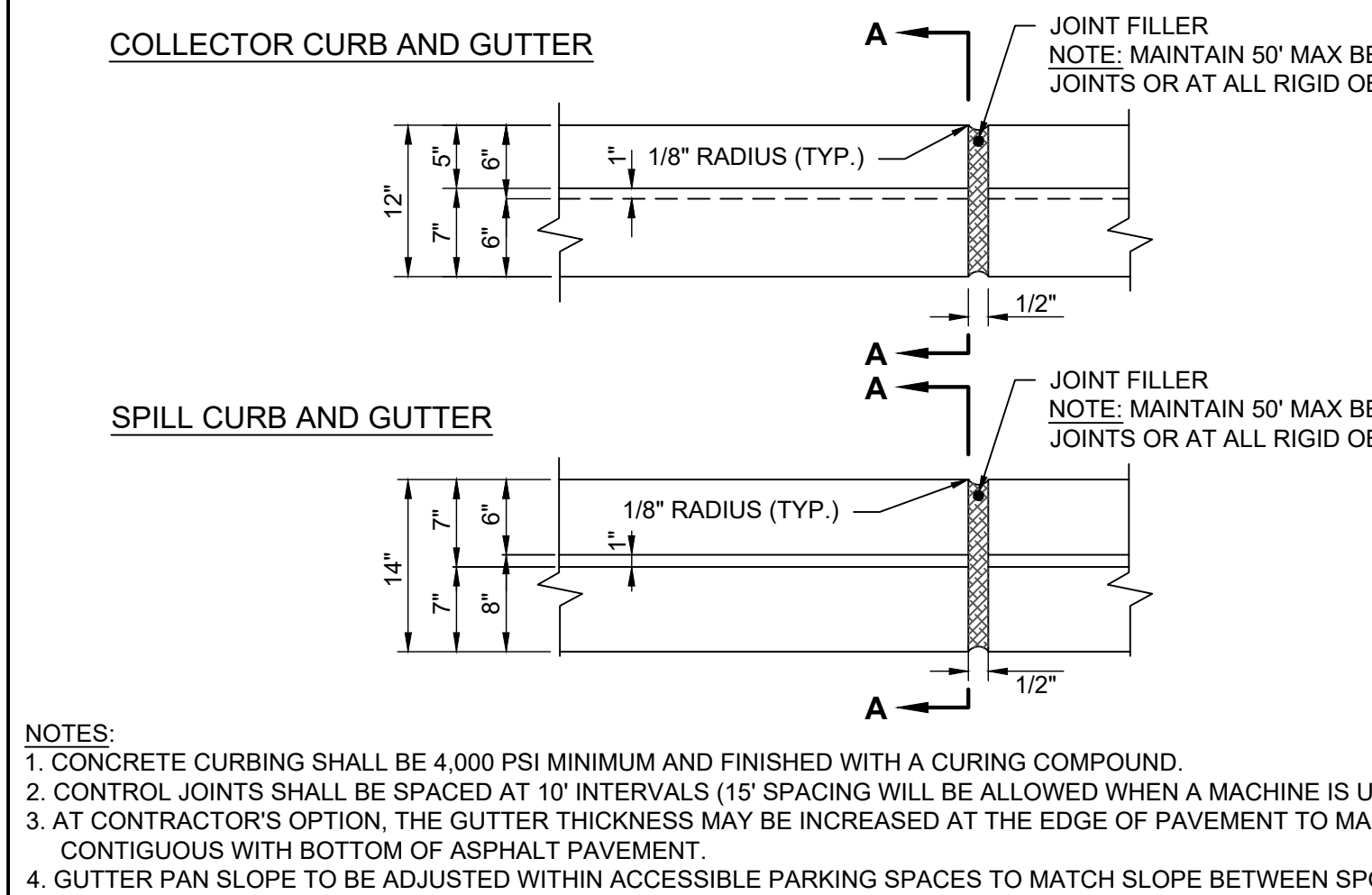
CK-110 ADA PARKING STRIPING DETAIL
REVISED: 2021-08-25



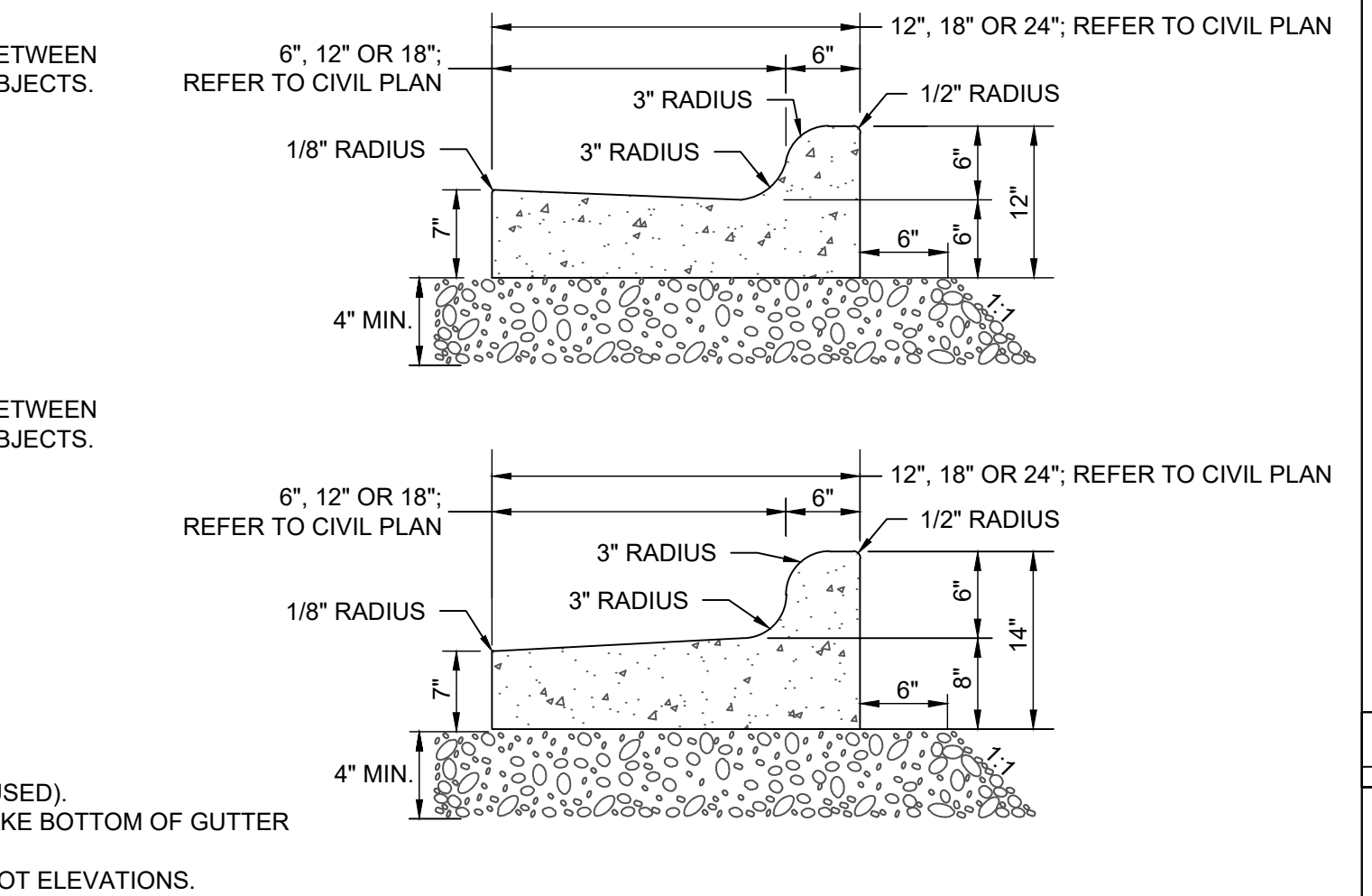
CK-115 TRAFFIC FLOW ARROW DETAIL
REVISED: 2021-01-15



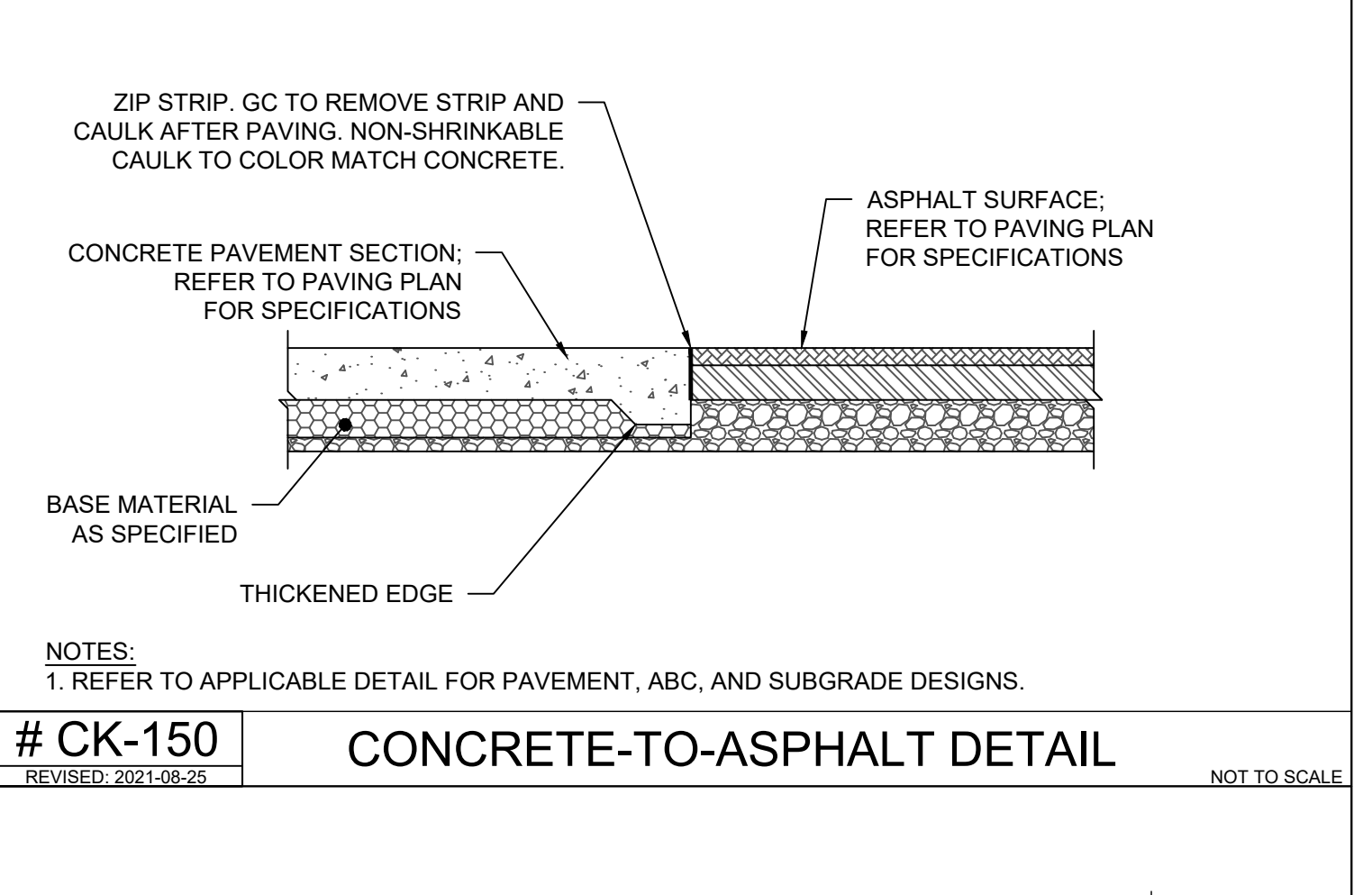
CK-135 CURB TAPER DETAIL
REVISED: 2021-08-25



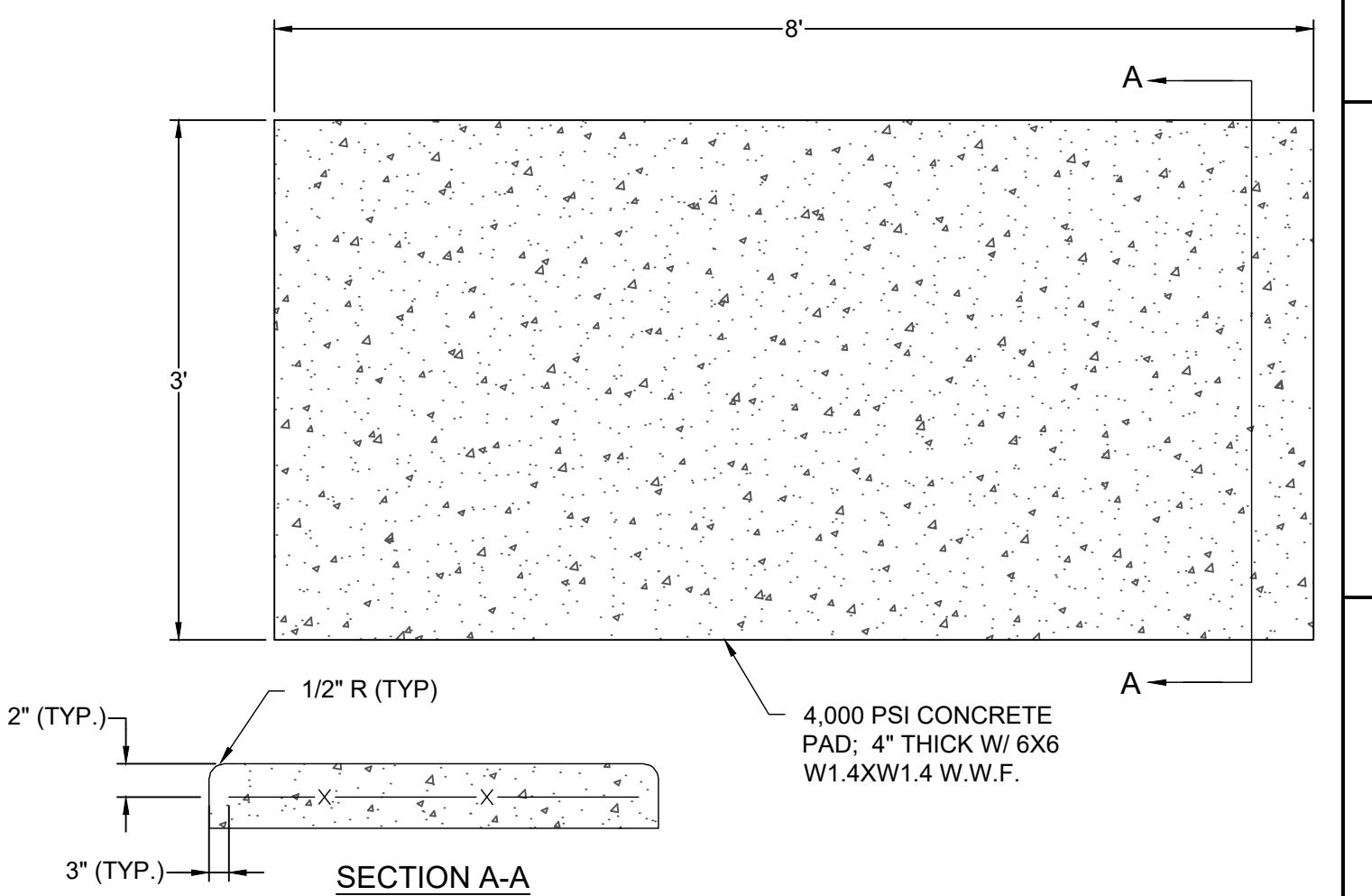
CK-120 STANDARD 12", 18" AND 24" CONCRETE CURB AND GUTTER DETAIL
REVISED: 2021-08-25



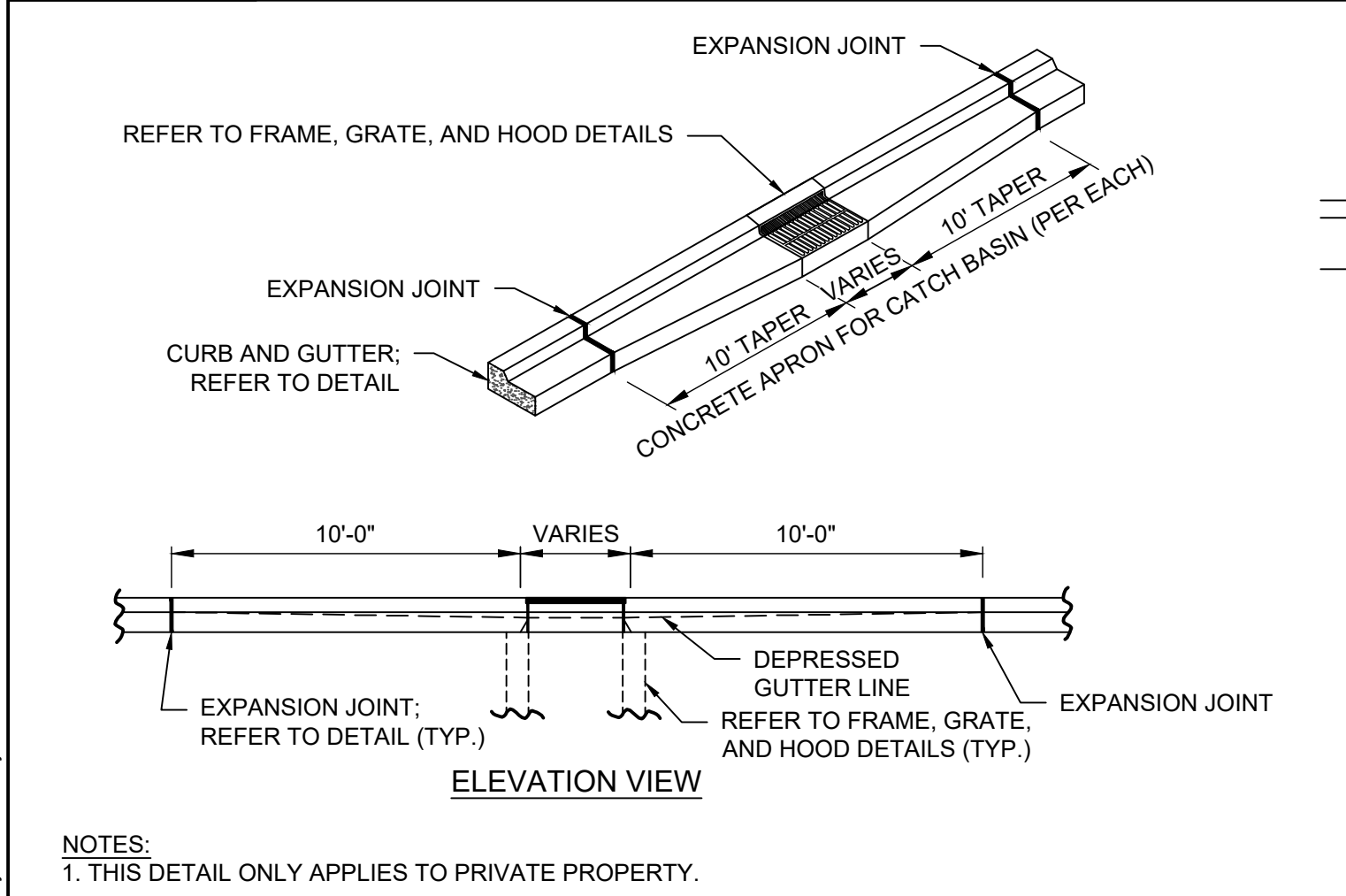
CK-150 CONCRETE-TO-ASPHALT DETAIL
REVISED: 2021-08-25



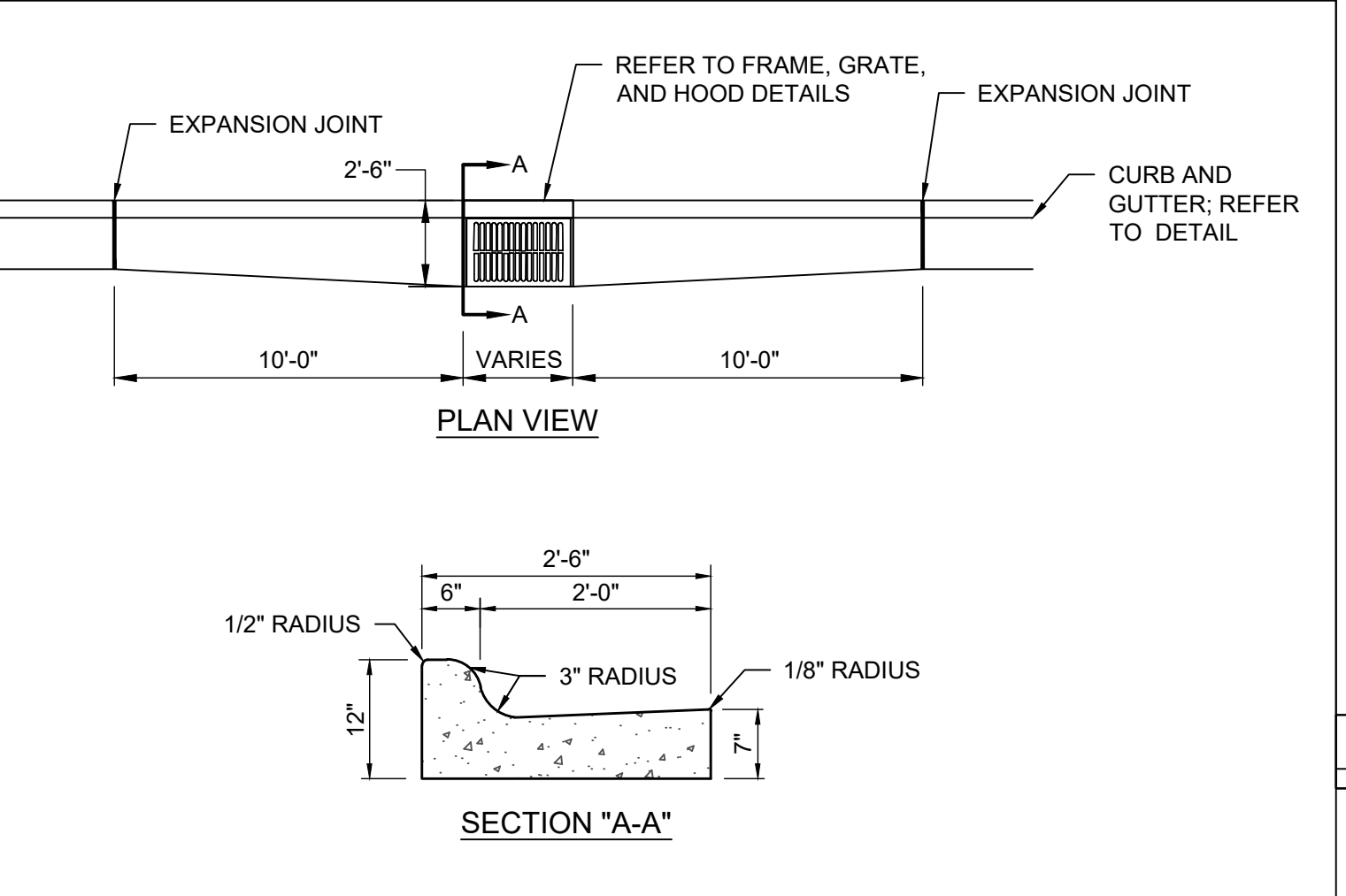
CK-155 THICKENED EDGE DETAIL
REVISED: 2021-08-25



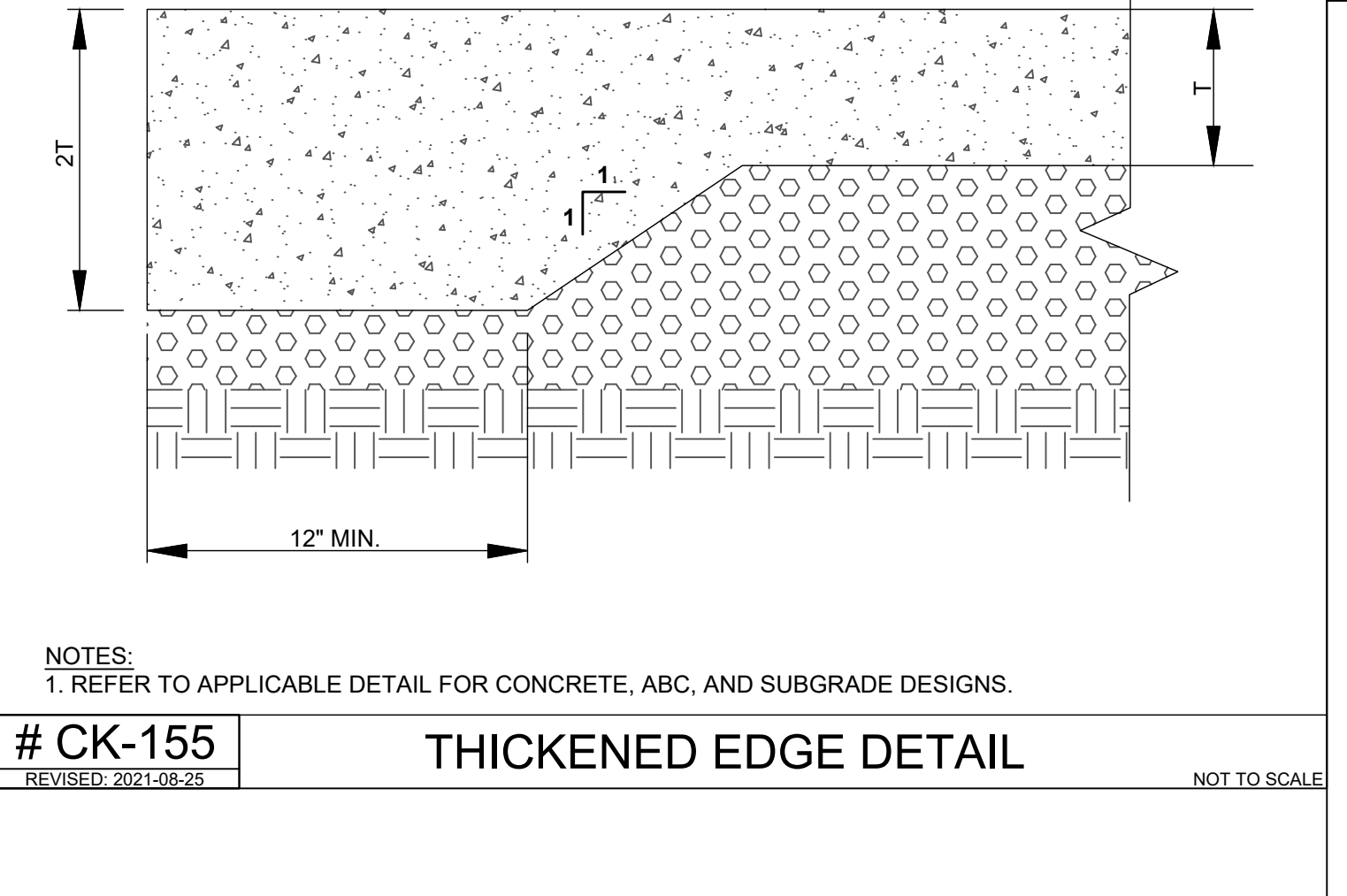
CK-160 AIR/VAC/WATER EQUIPMENT PAD DETAIL
REVISED: 2021-08-25



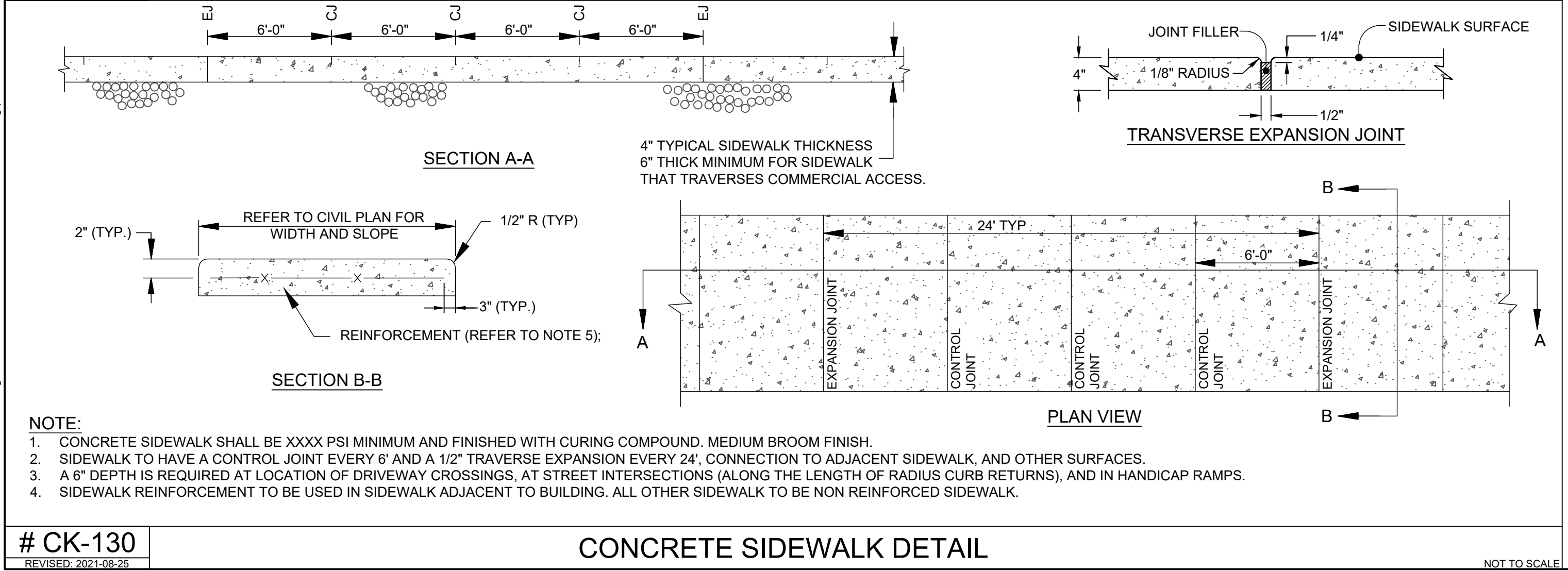
CK-125 STANDARD CATCH BASIN CURBING TRANSITION (FOR USE WITH 24" CURB & GUTTER)
REVISED: 2021-08-25



CK-130 CONCRETE SIDEWALK DETAIL
REVISED: 2021-08-25



CK-165 AIR AND WATERPAVEMENT MARKING DETAIL
REVISED: 2021-01-15



CK-130 CONCRETE SIDEWALK DETAIL
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WAKE COUNTY - NORTH CAROLINA

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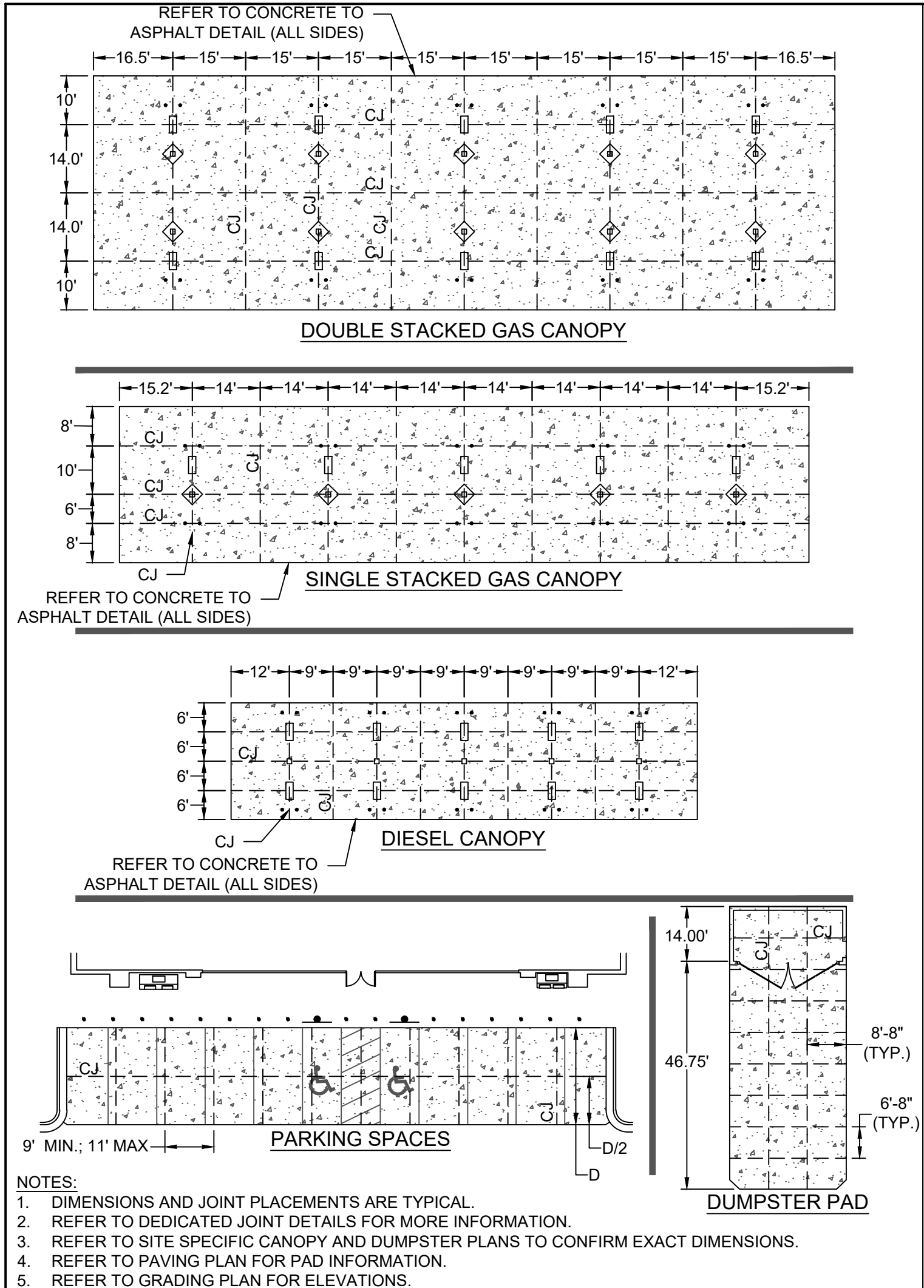
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SHEET NO.
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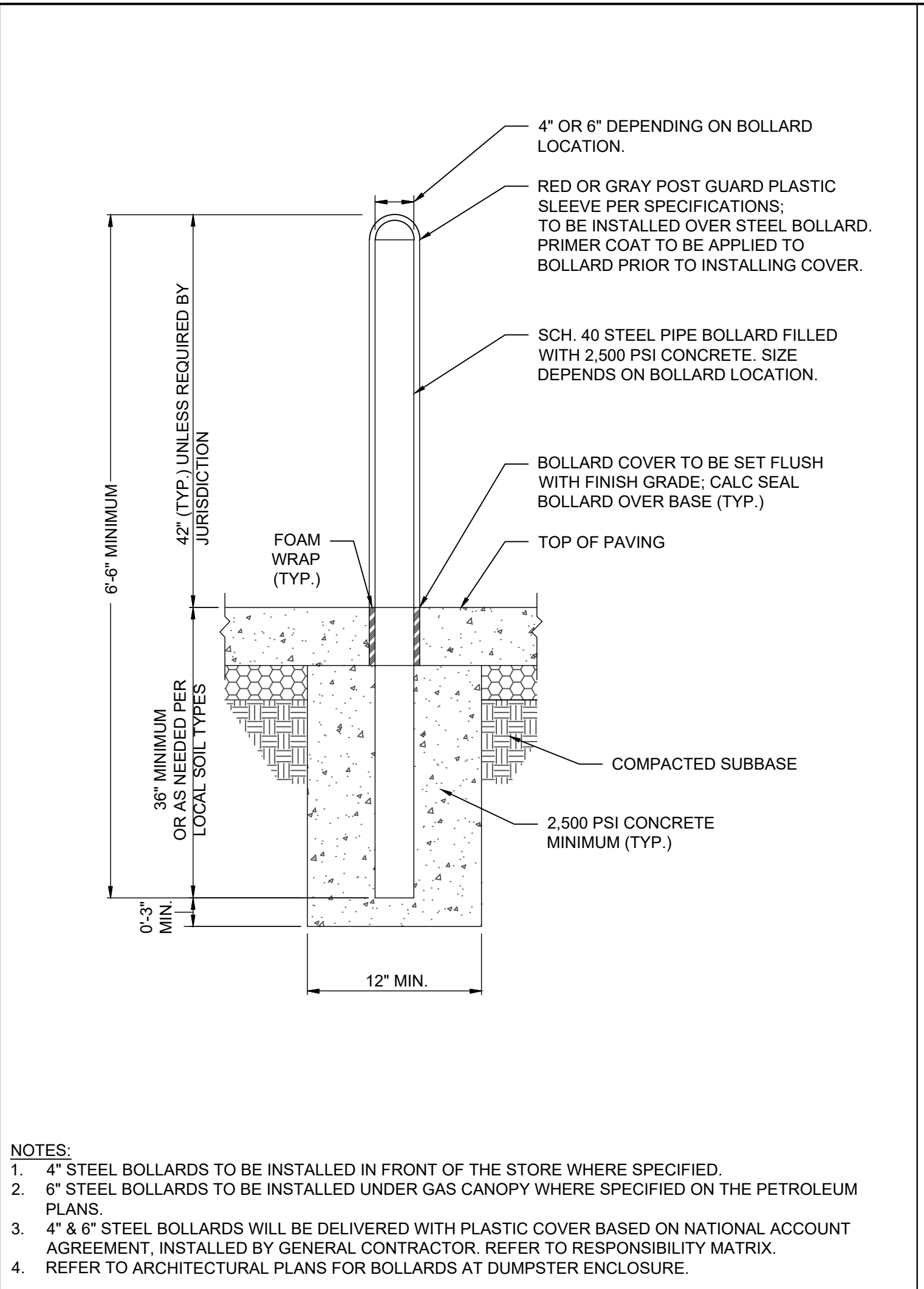
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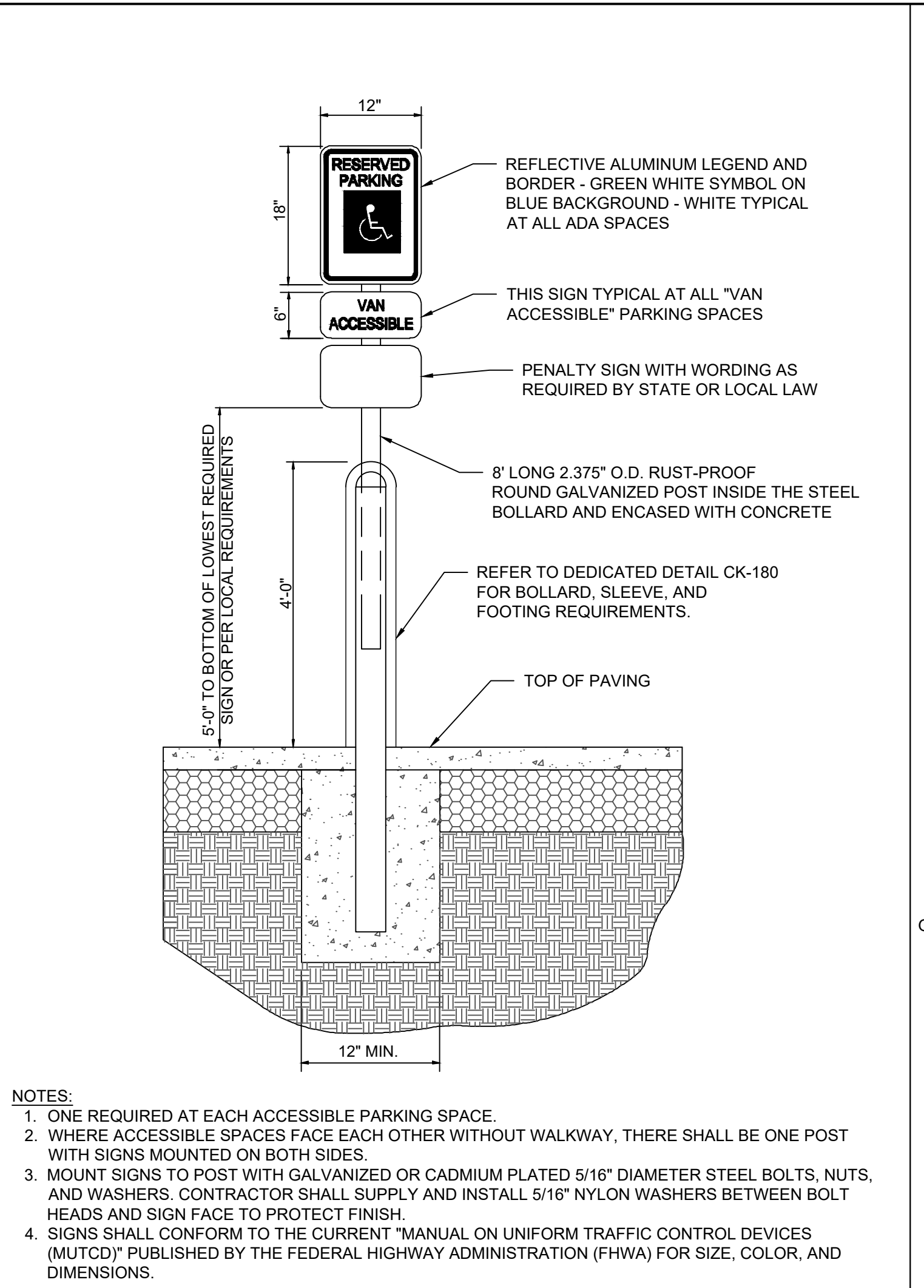
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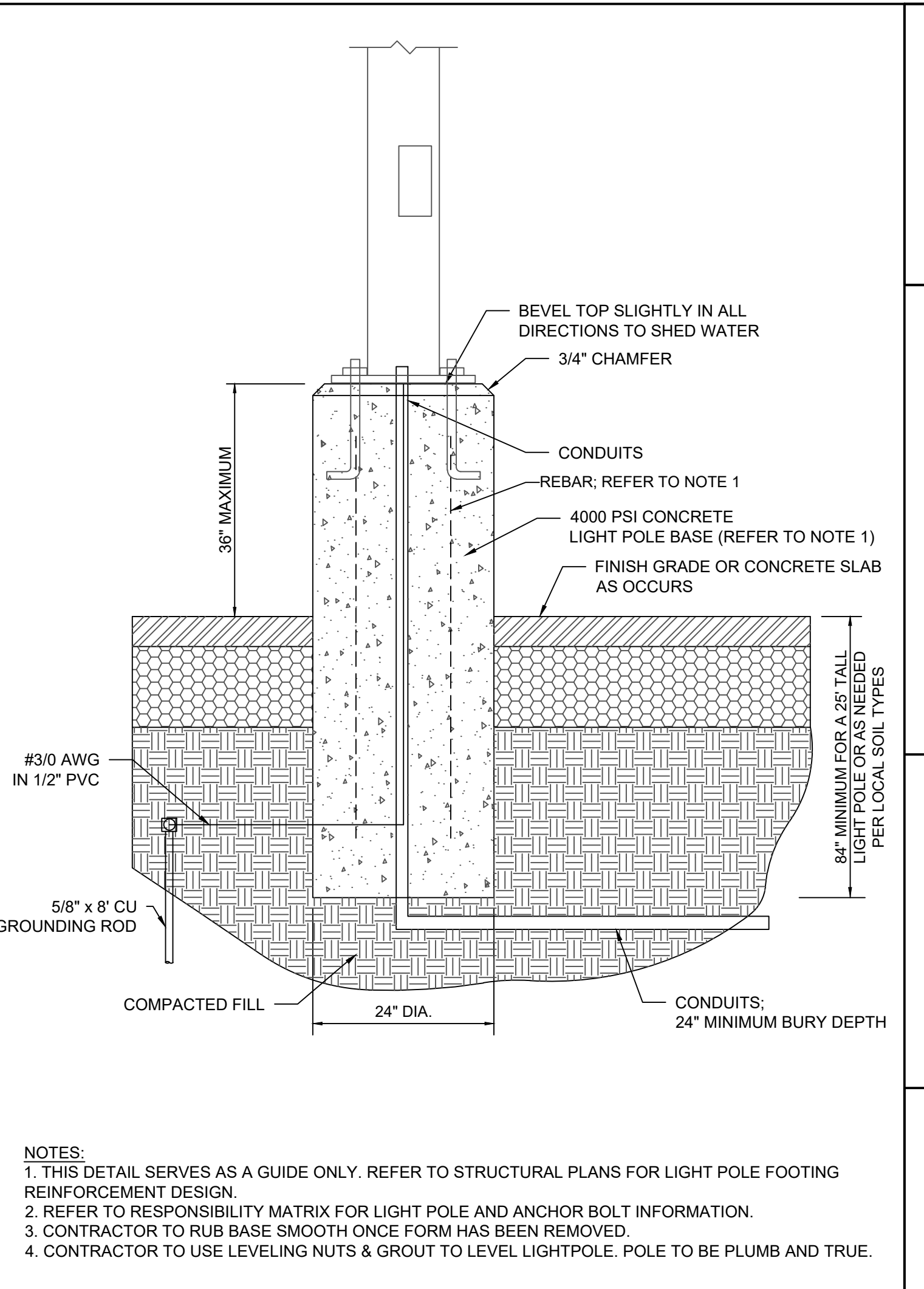
CK-175 CONCRETE PAVEMENT JOINT DETAIL NOT TO SCALE
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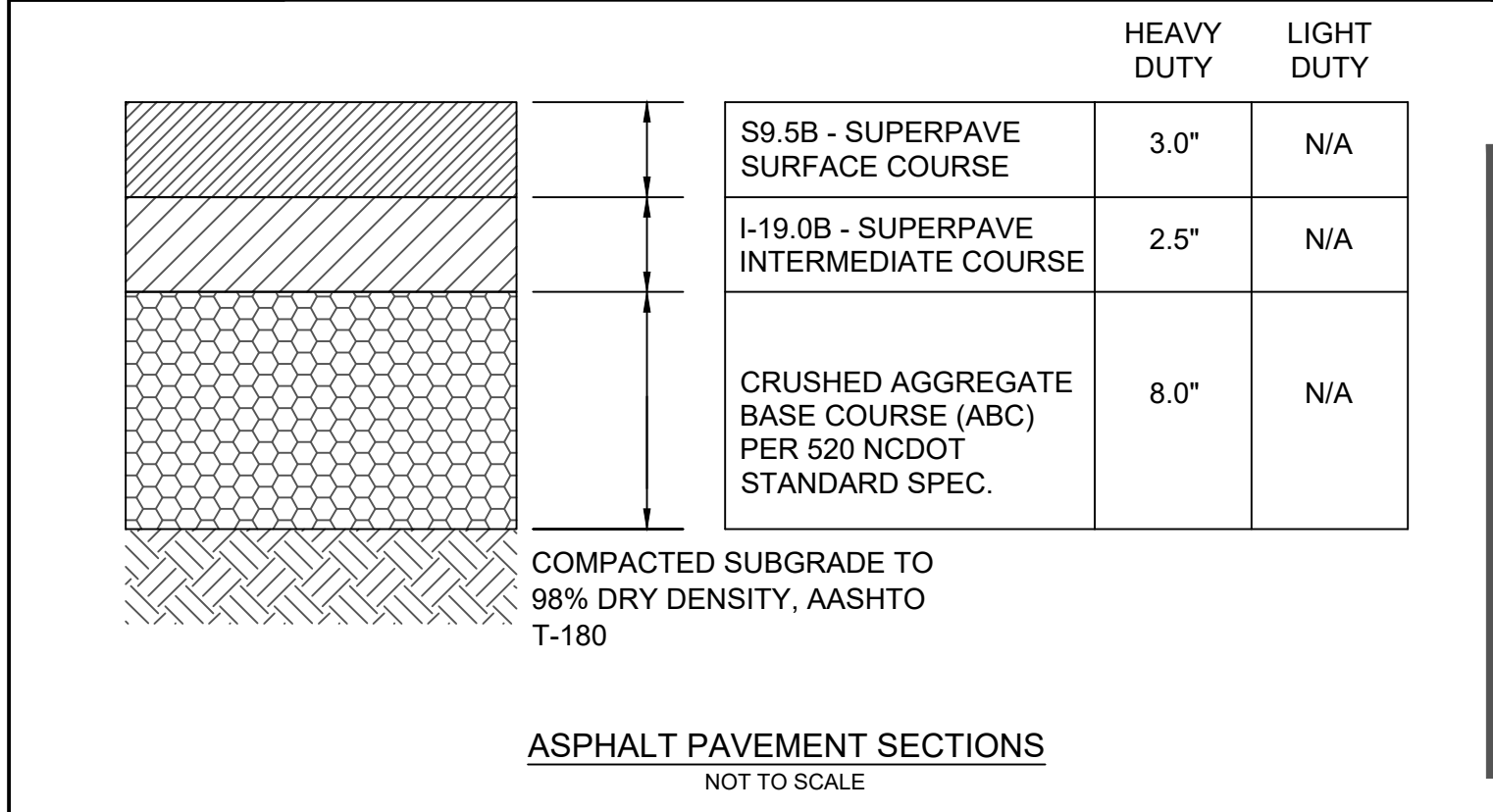
CK-180 4\"/>



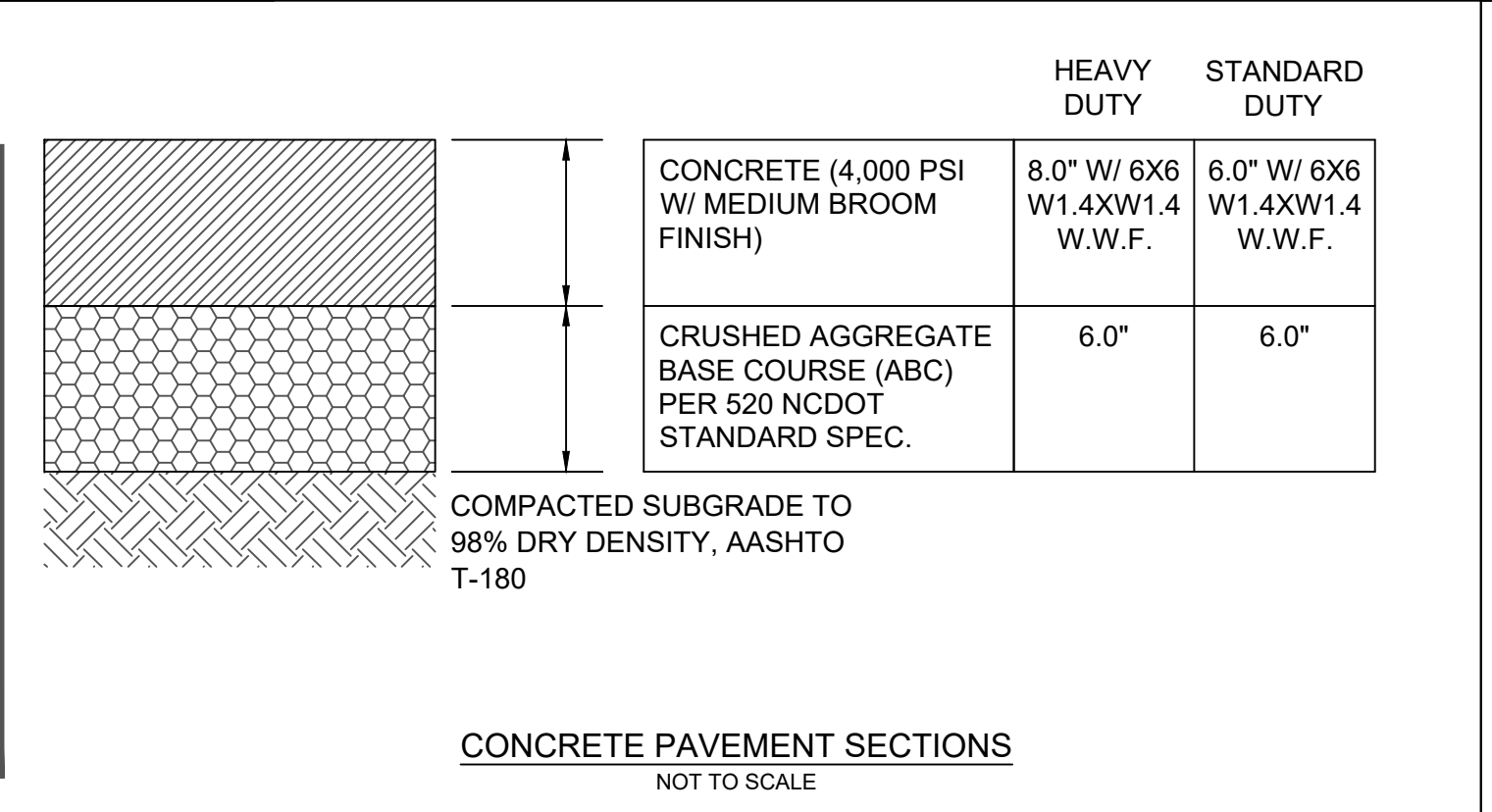
CK-185 BOLLARD MOUNTED ADA SIGN DETAIL NOT TO SCALE
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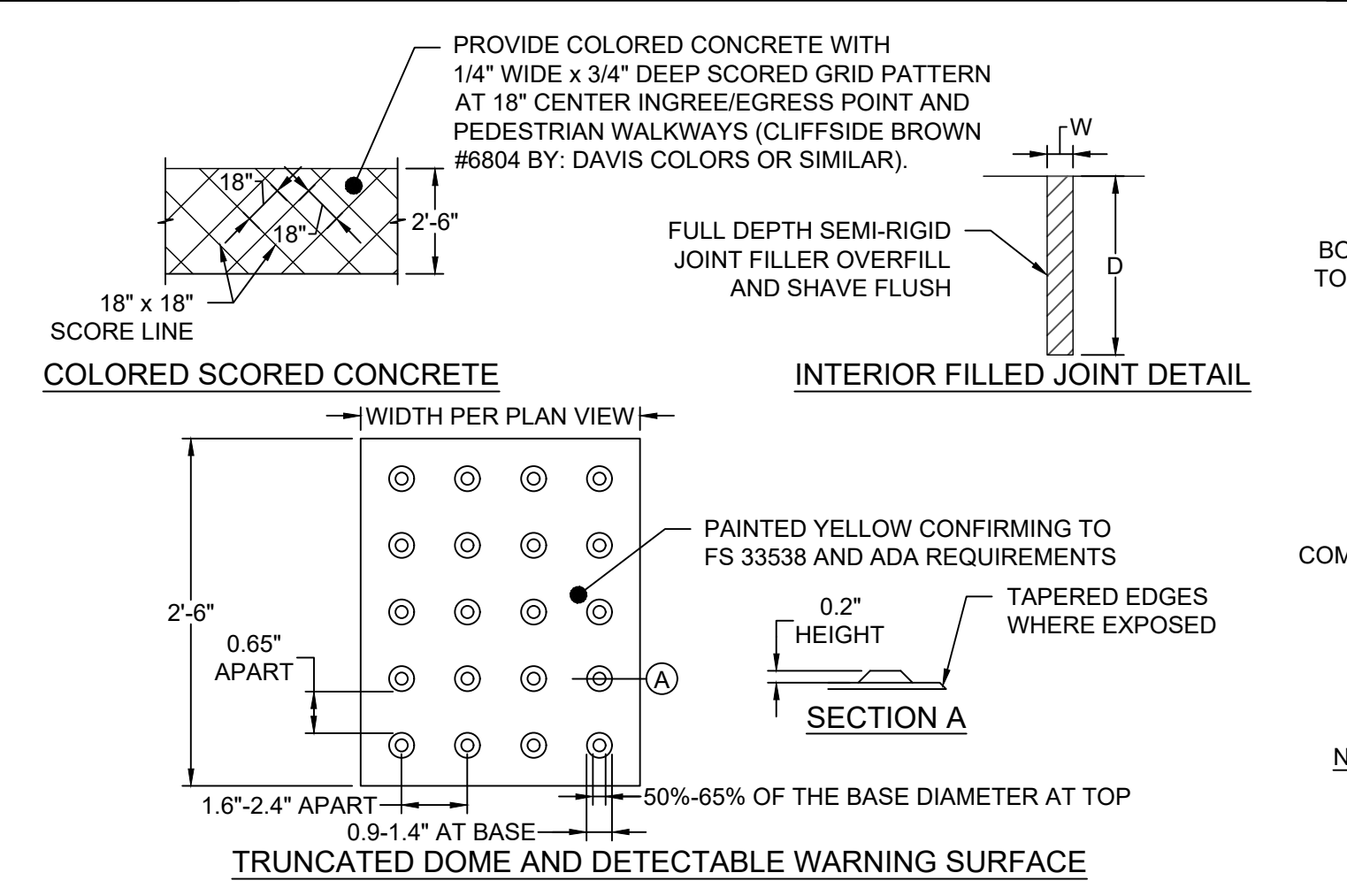
CK-190 LIGHT POLE BASE DETAIL NOT TO SCALE
REVISED: 2021-08-25



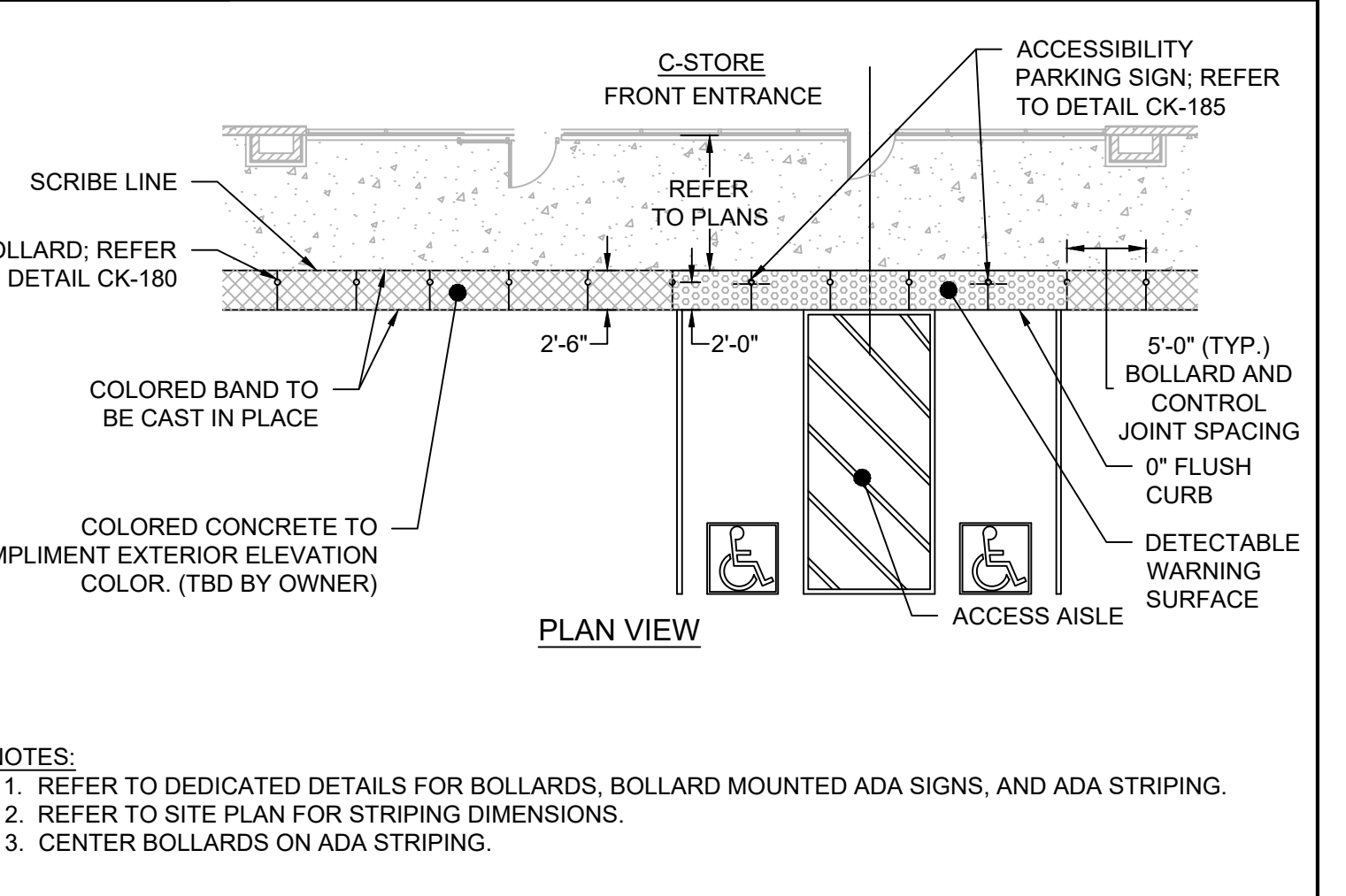
CK-170 PAVEMENT SECTIONS DETAIL NOT TO SCALE
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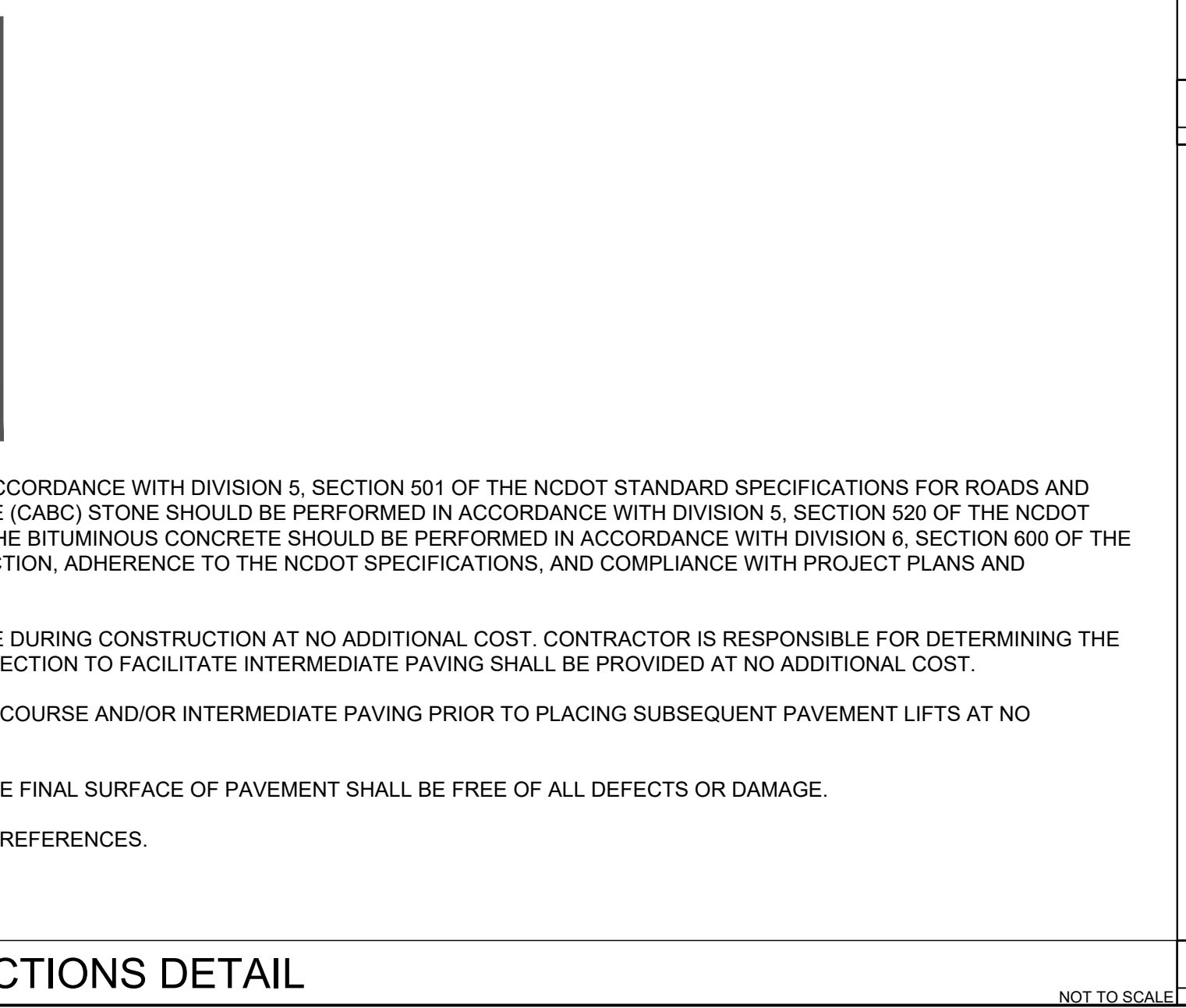
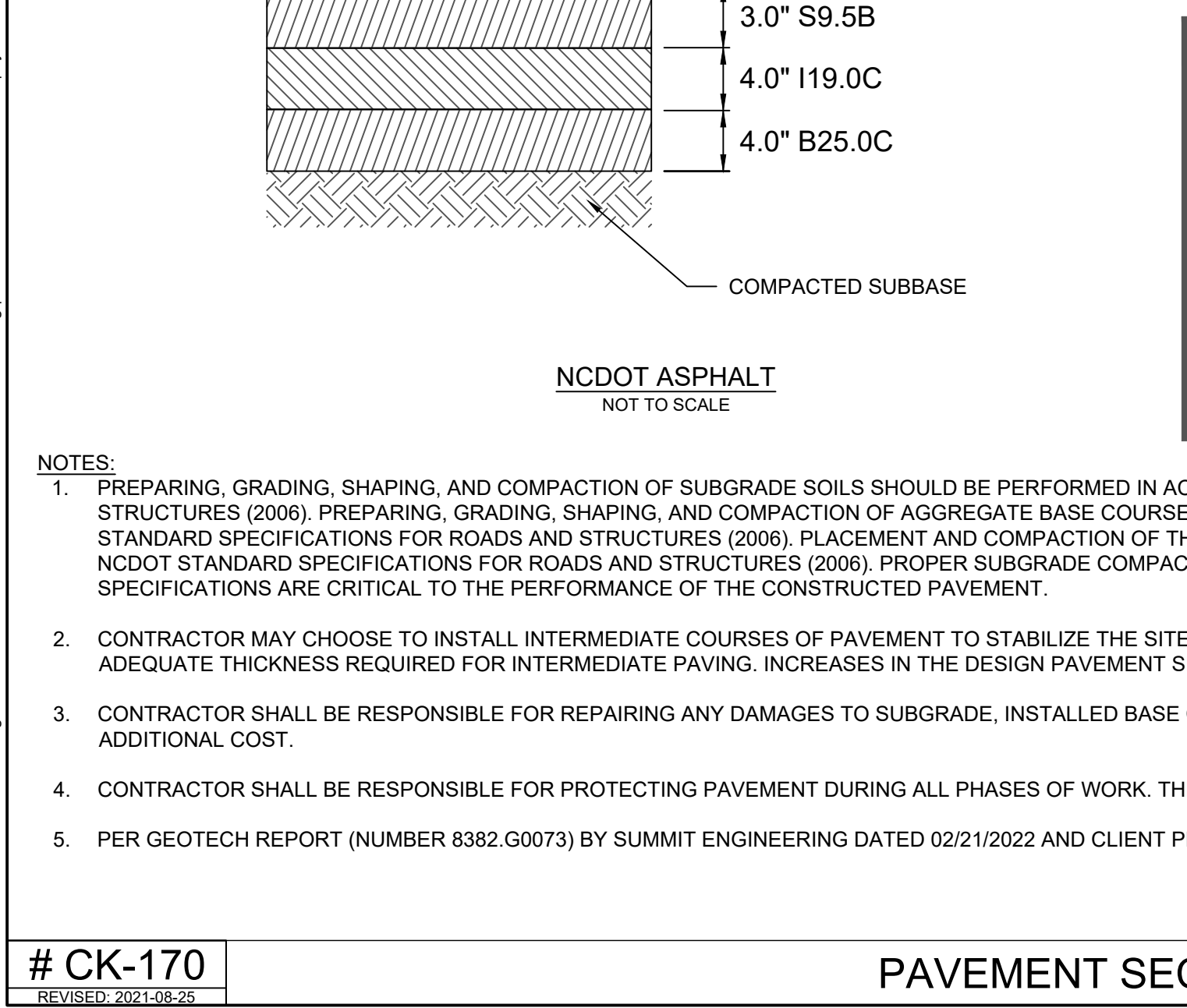
CK-198 PRELIMINARY - NOT RELEASED FOR CONSTRUCTION NOT TO SCALE
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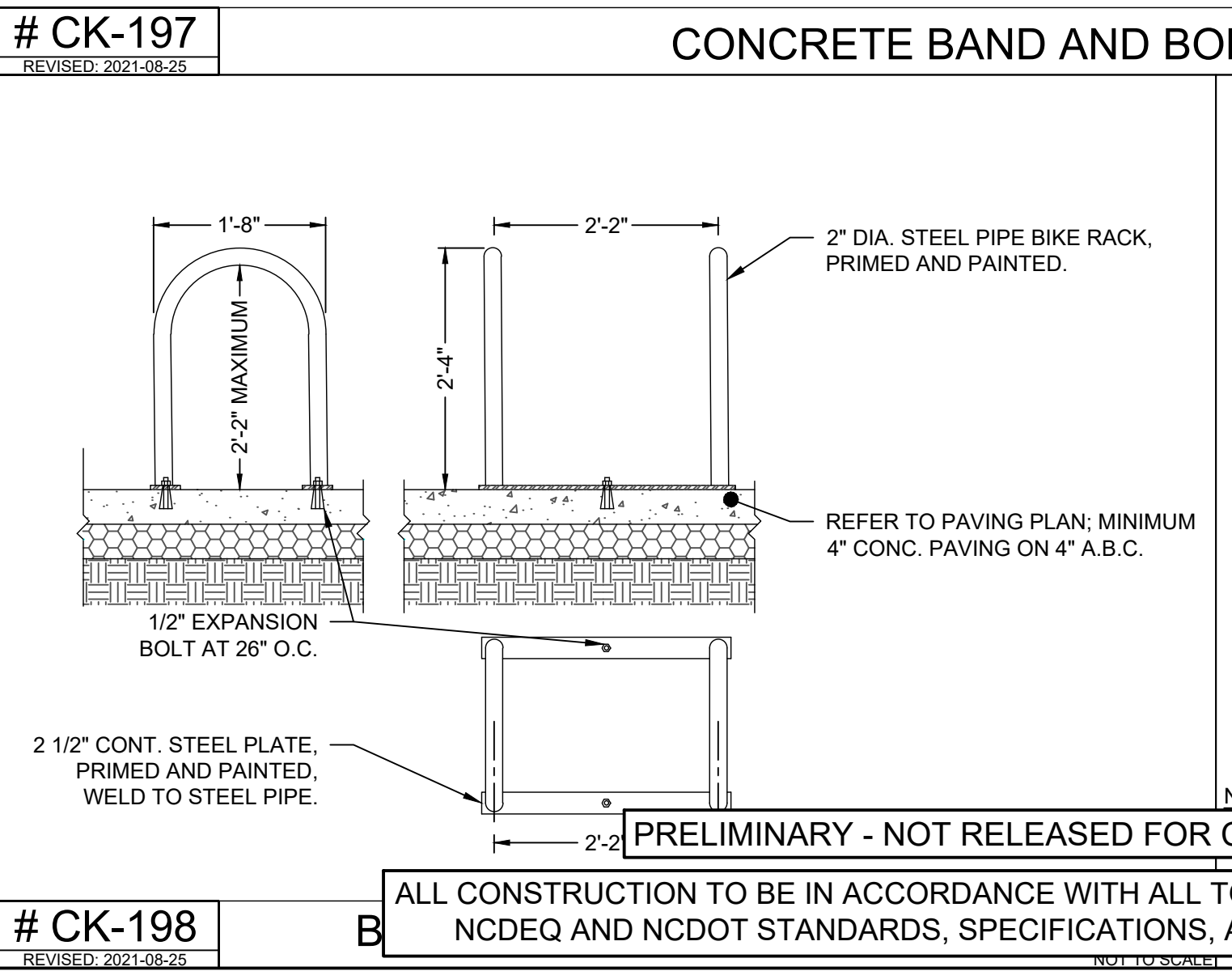
CK-197 CONCRETE BAND AND BOLLARD SPACING DETAIL NOT TO SCALE
REVISED: 2021-08-25



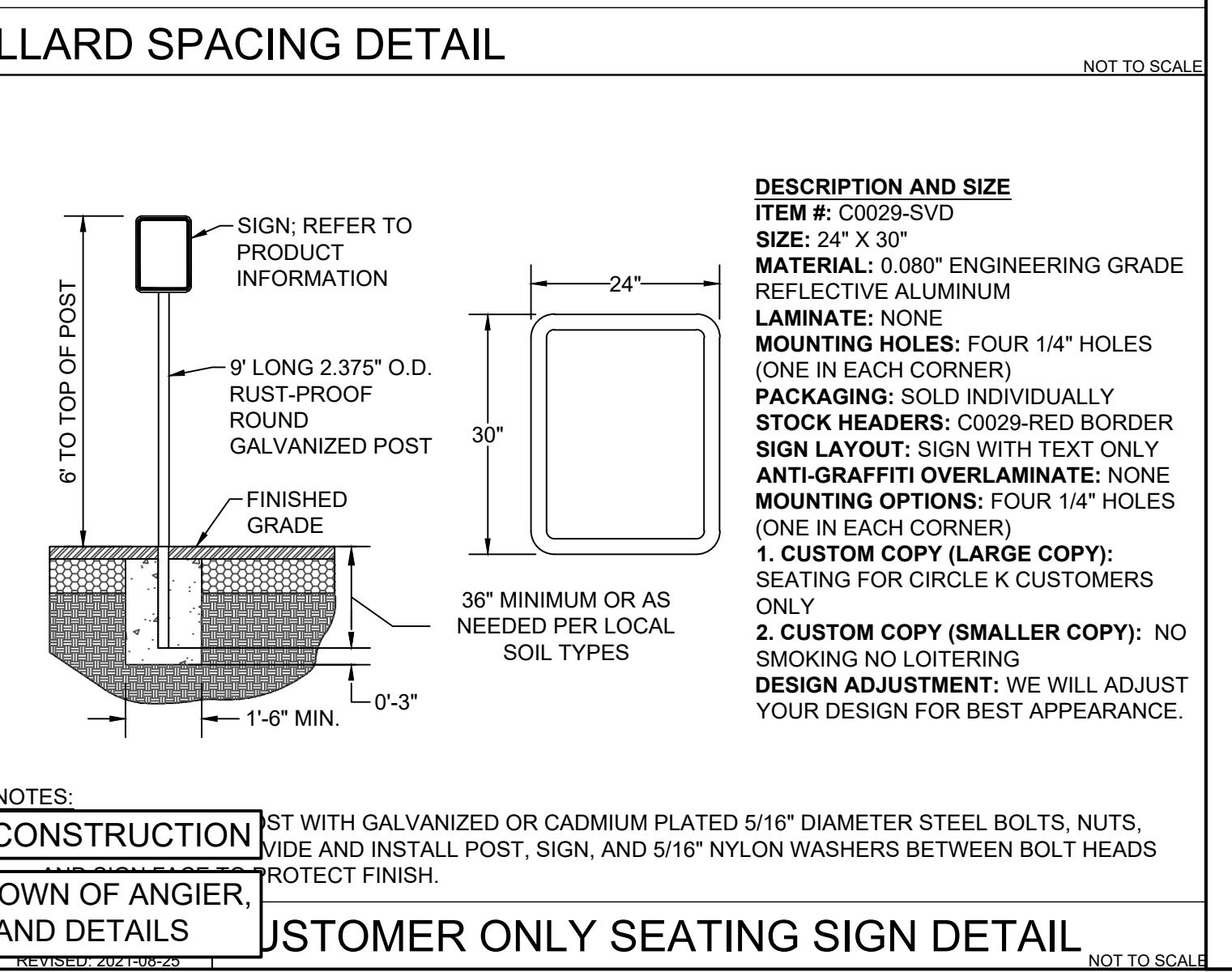
CK-199 CUSTOMER ONLY SEATING SIGN DETAIL NOT TO SCALE
REVISED: 2021-08-25



CK-198 PRELIMINARY - NOT RELEASED FOR CONSTRUCTION NOT TO SCALE
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CK-199 CUSTOMER ONLY SEATING SIGN DETAIL NOT TO SCALE
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CK-199 CUSTOMER ONLY SEATING SIGN DETAIL NOT TO SCALE
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DESIGNED BY
J. DOOLEY

CHECKED BY
R. BAKER

SCALE
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DATE

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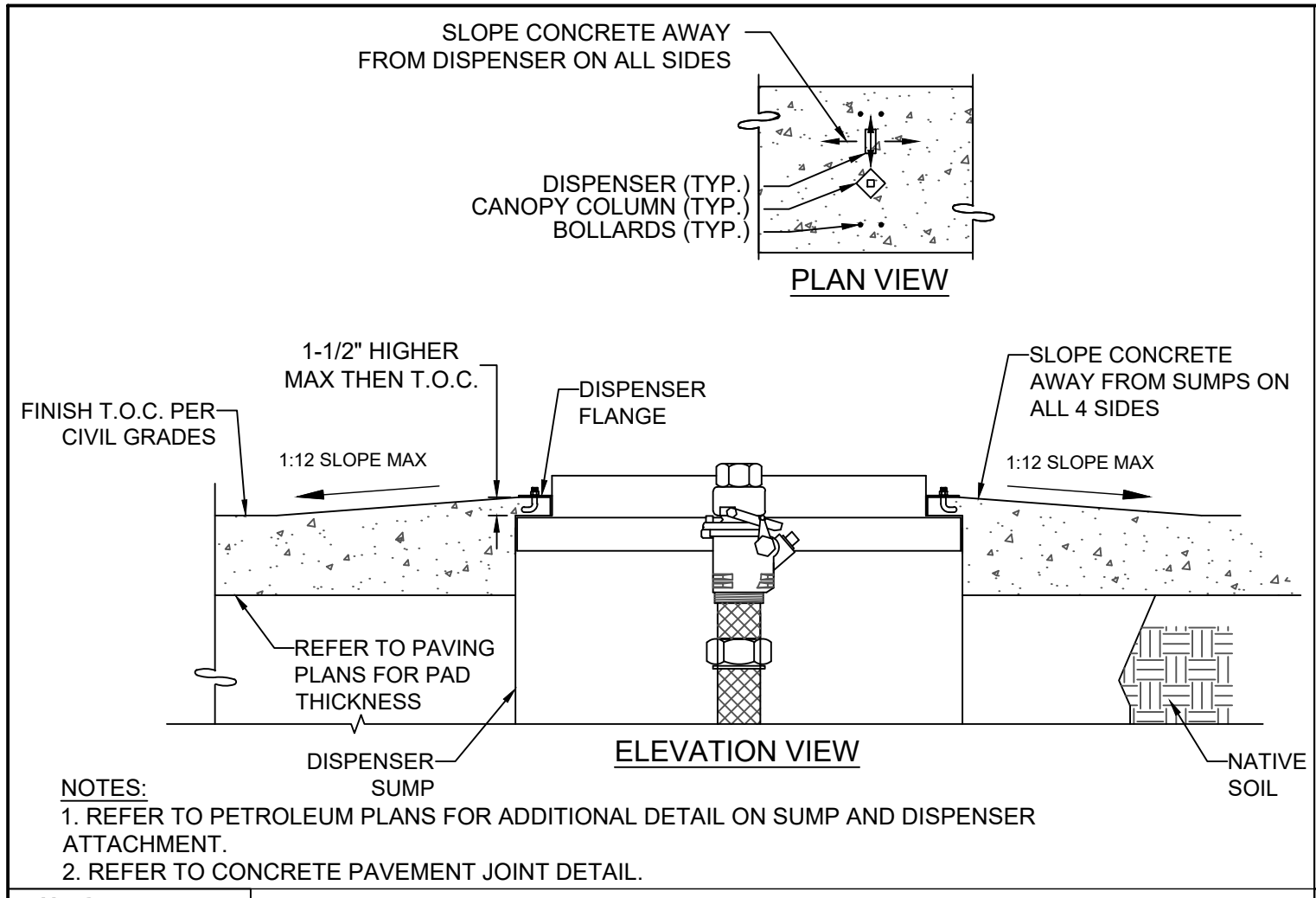
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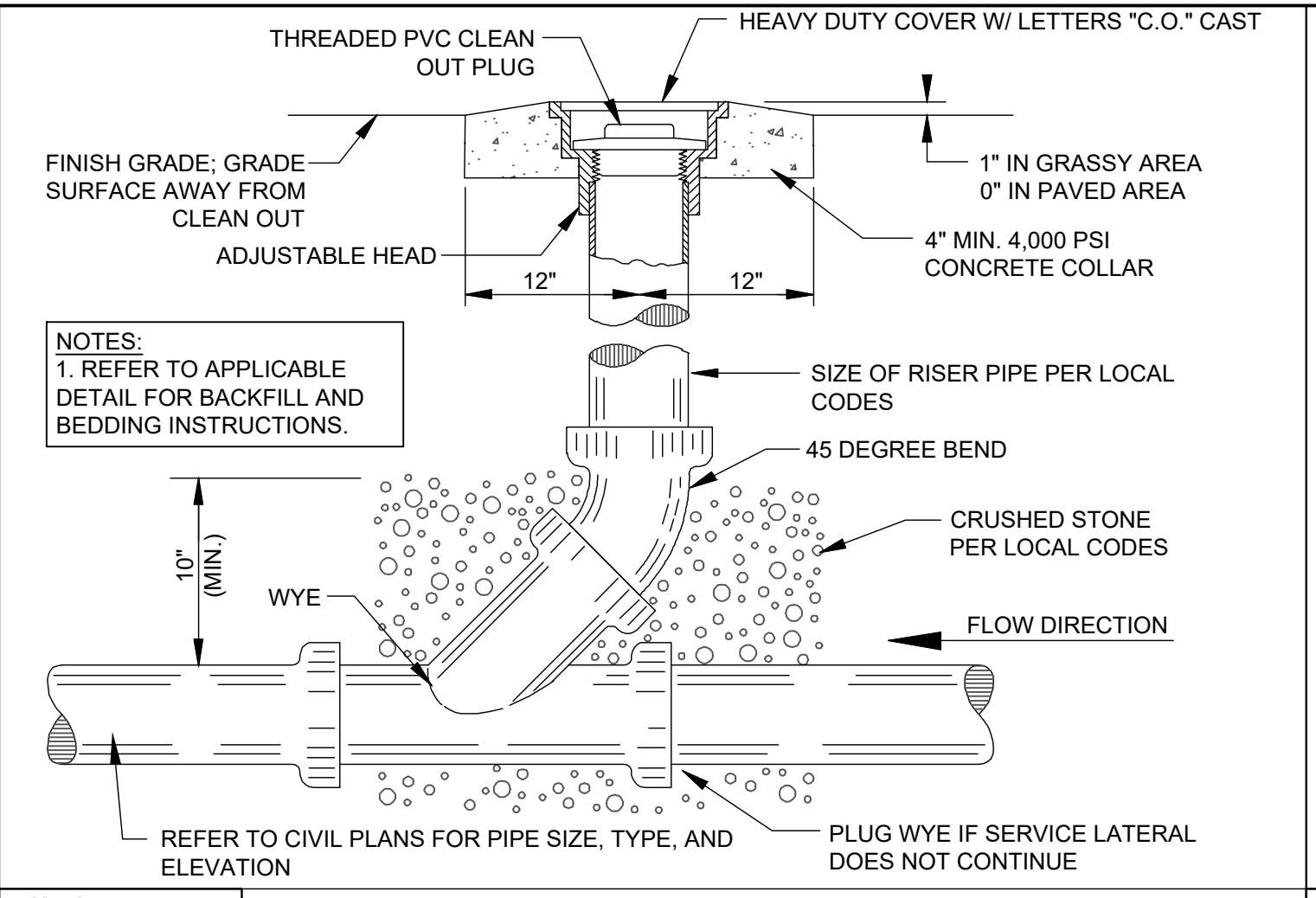
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37630.105

SHEET NO.
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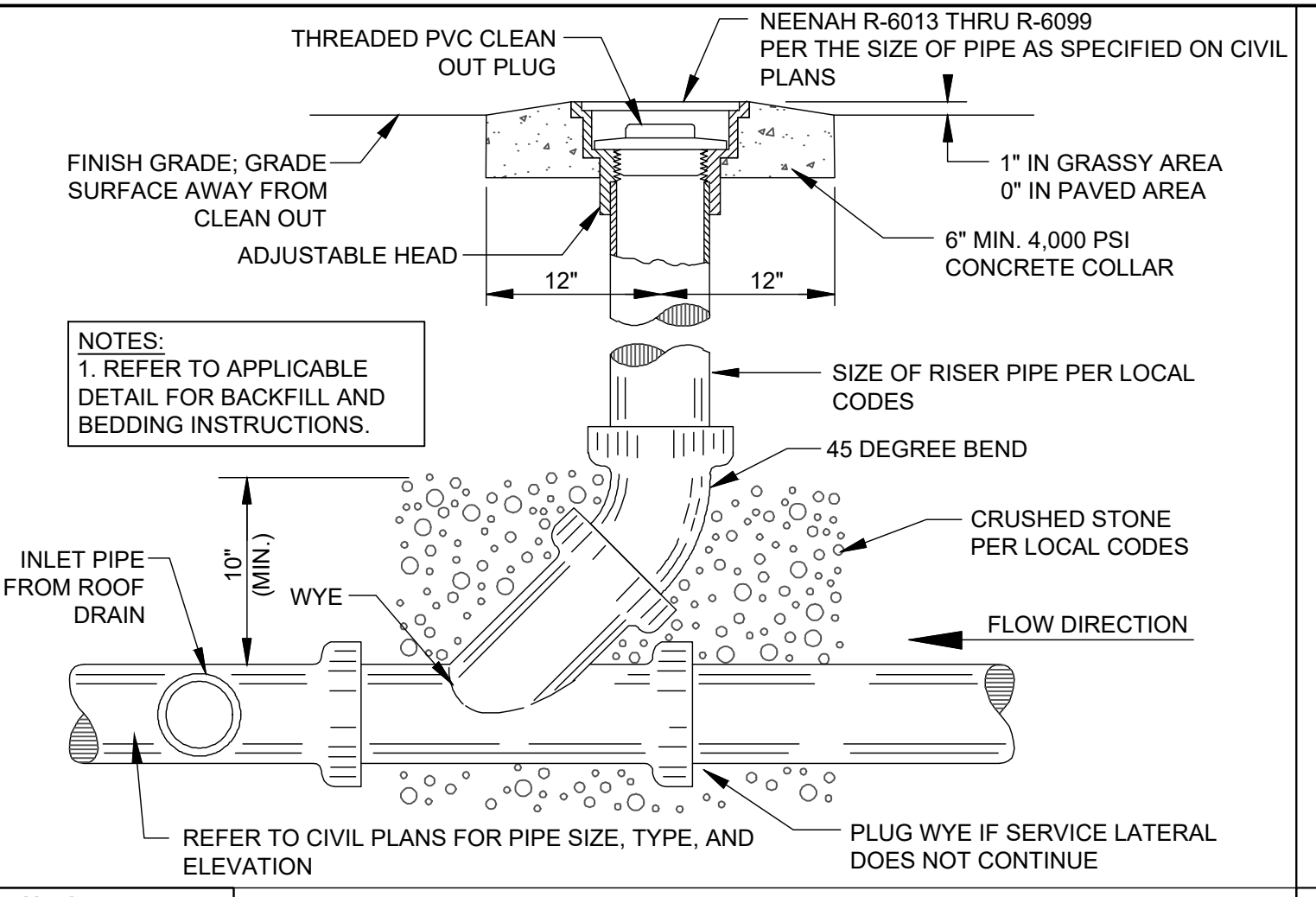
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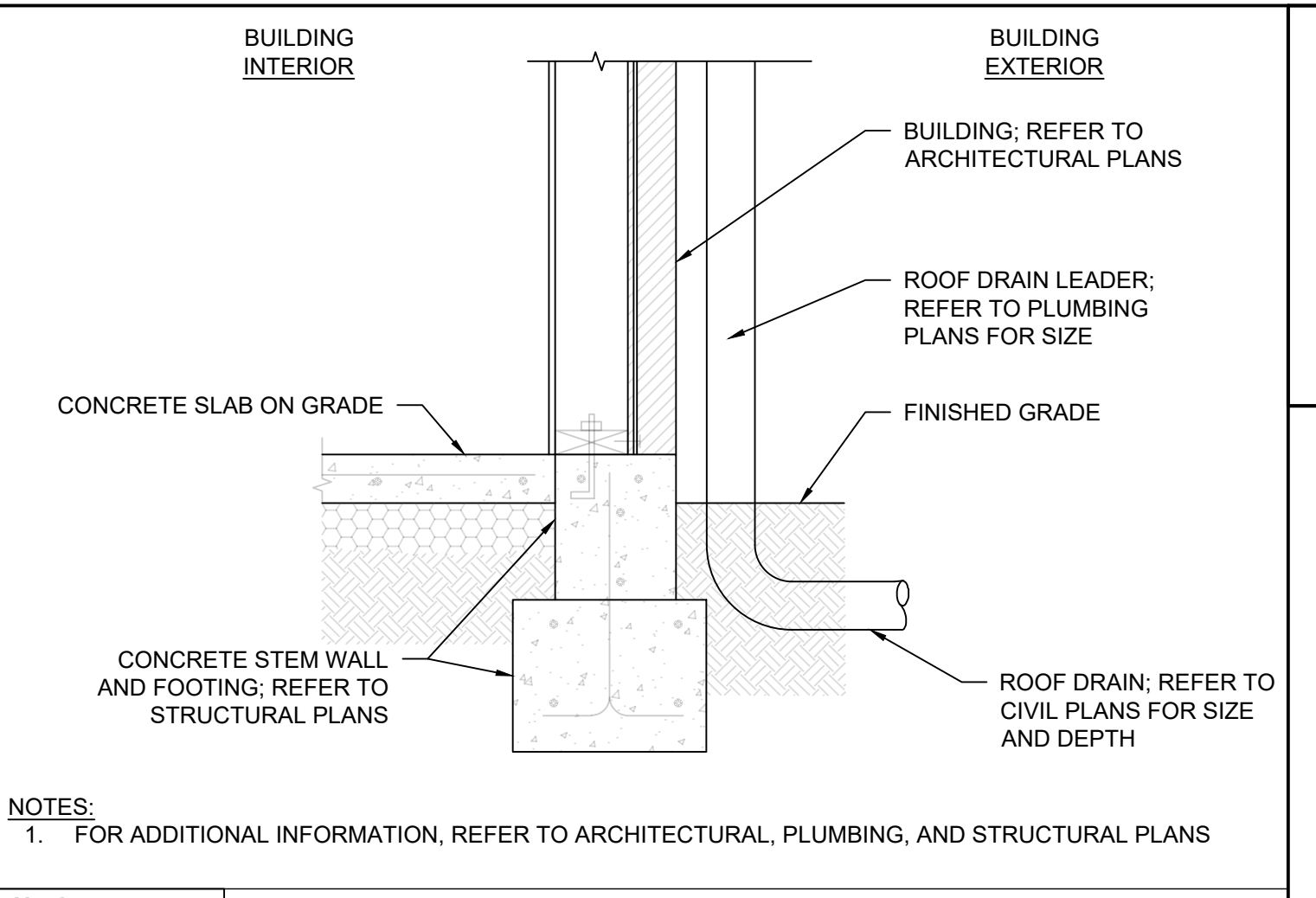
CK-200 DISPENSER SUMP DETAIL NOT TO SCALE



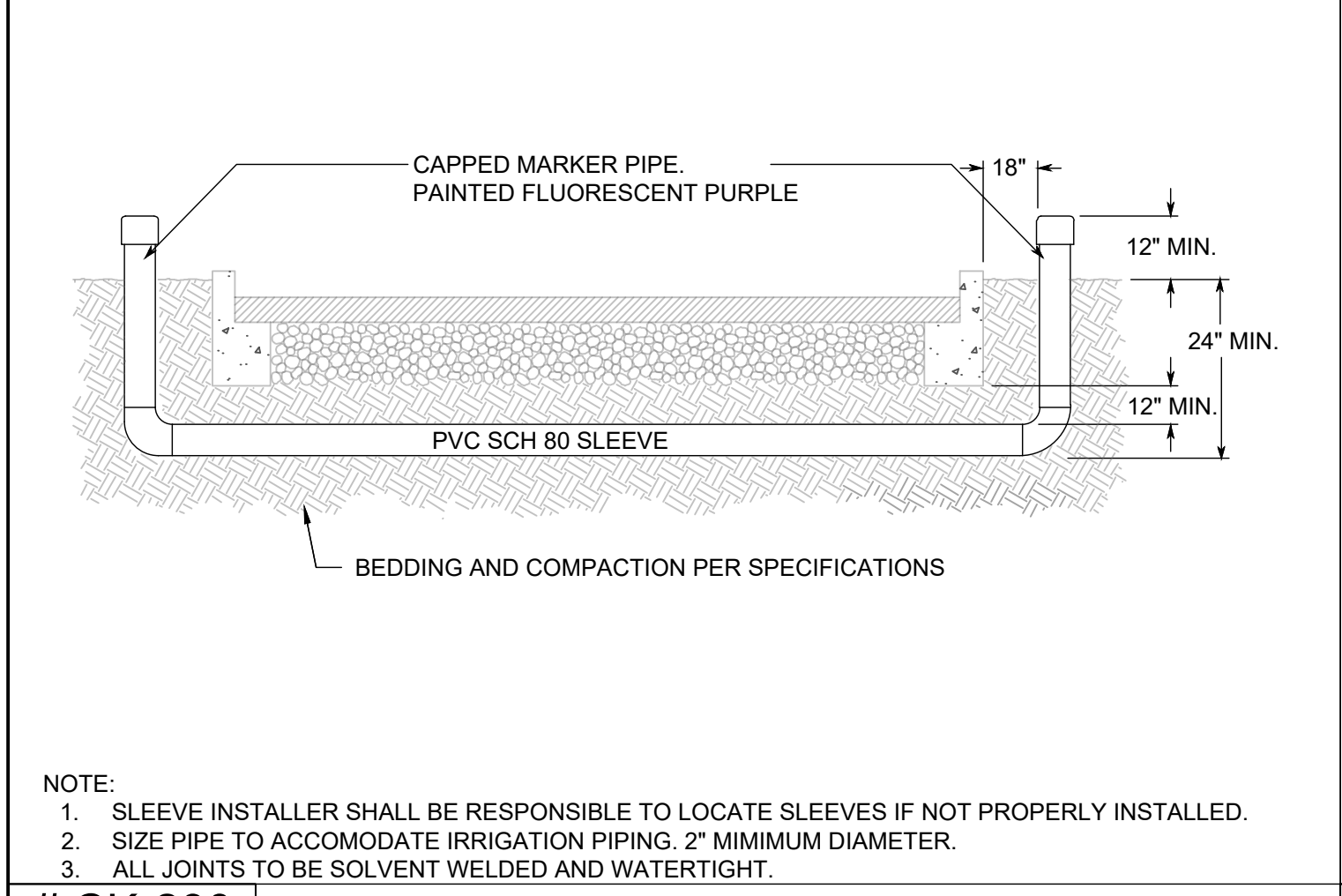
CK-205 SANITARY SEWER CLEANOUT DETAIL NOT TO SCALE



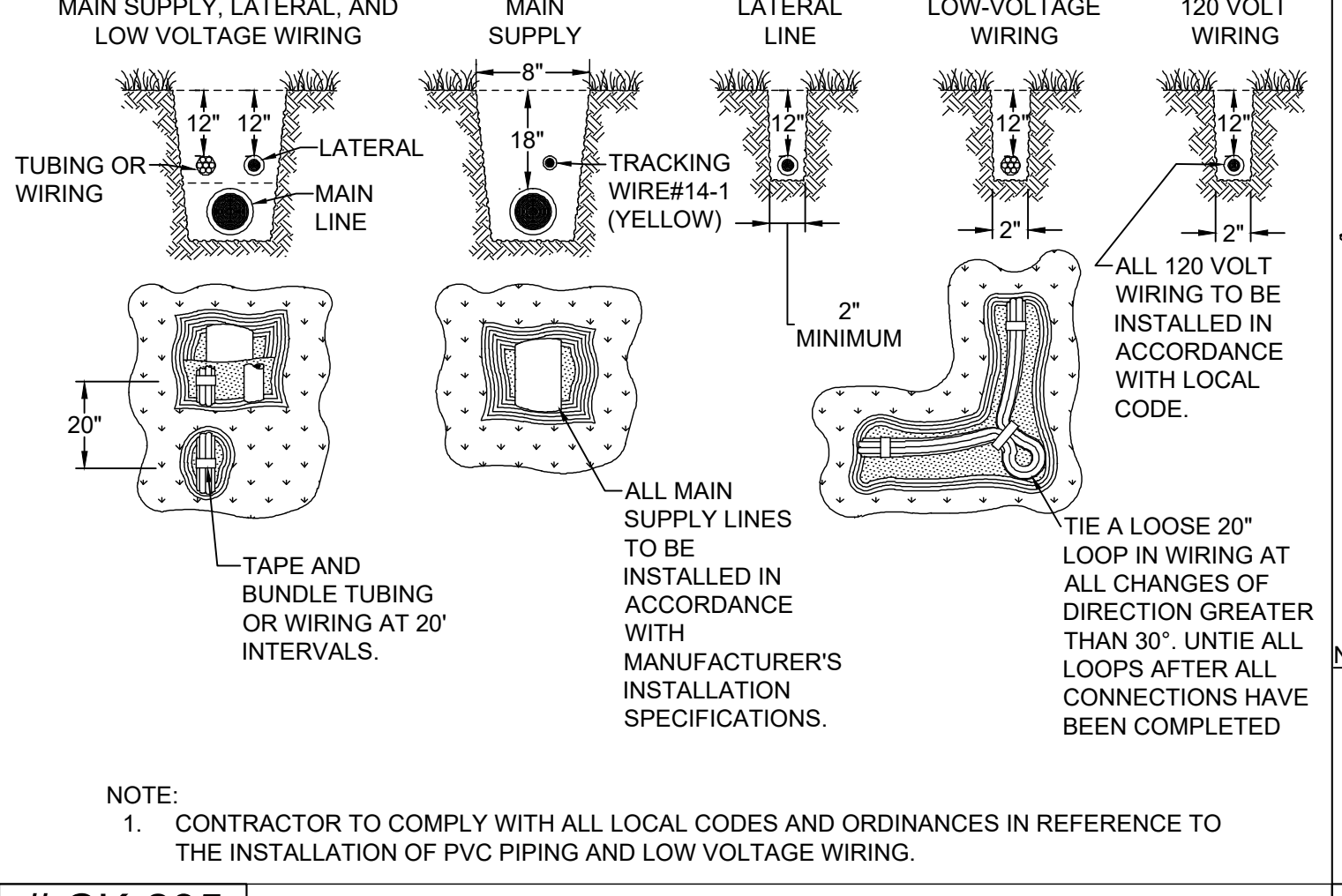
CK-210 STORM DRAIN CLEANOUT DETAIL NOT TO SCALE



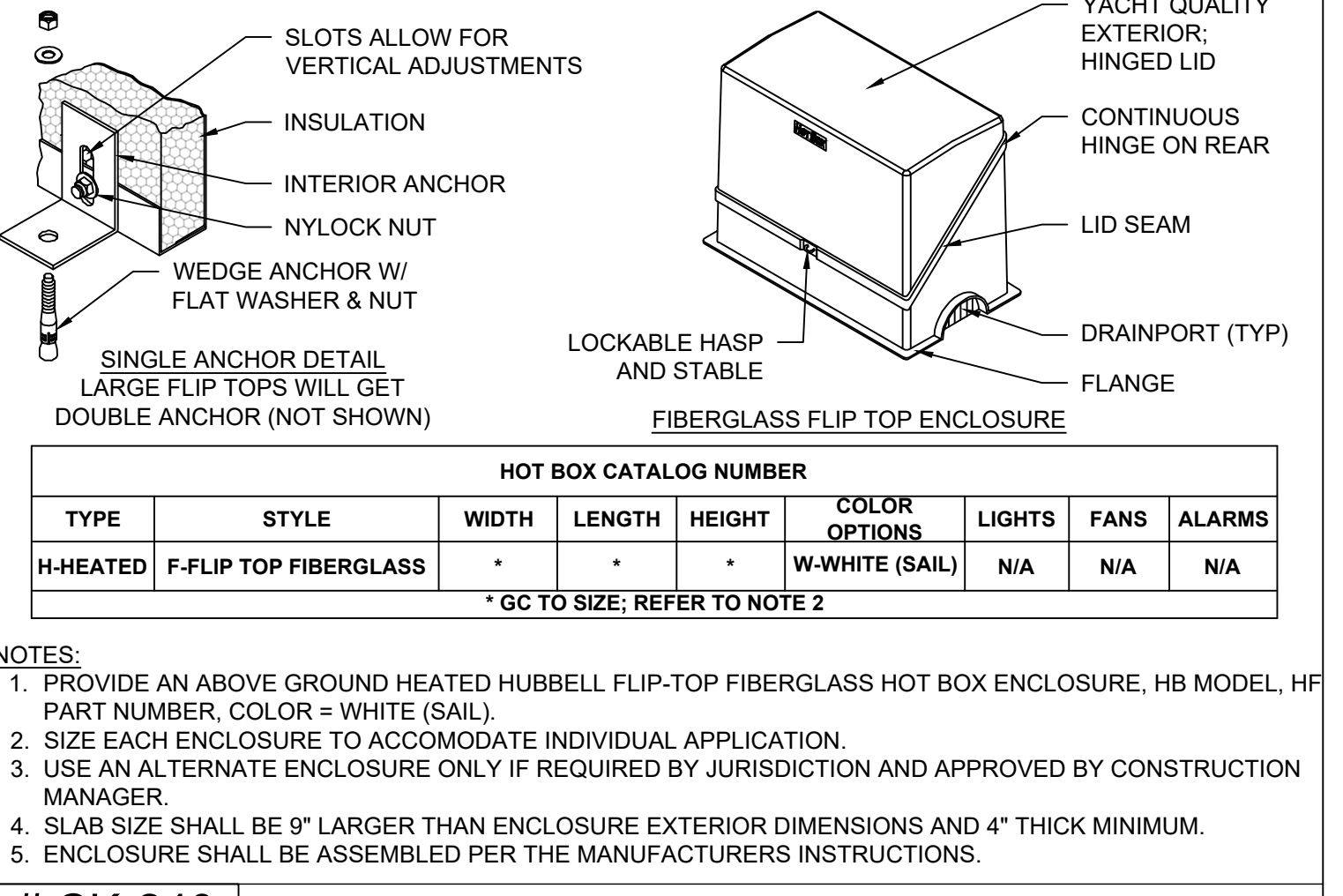
CK-212 BUILDING ROOF DRAIN CONNECTION NOT TO SCALE



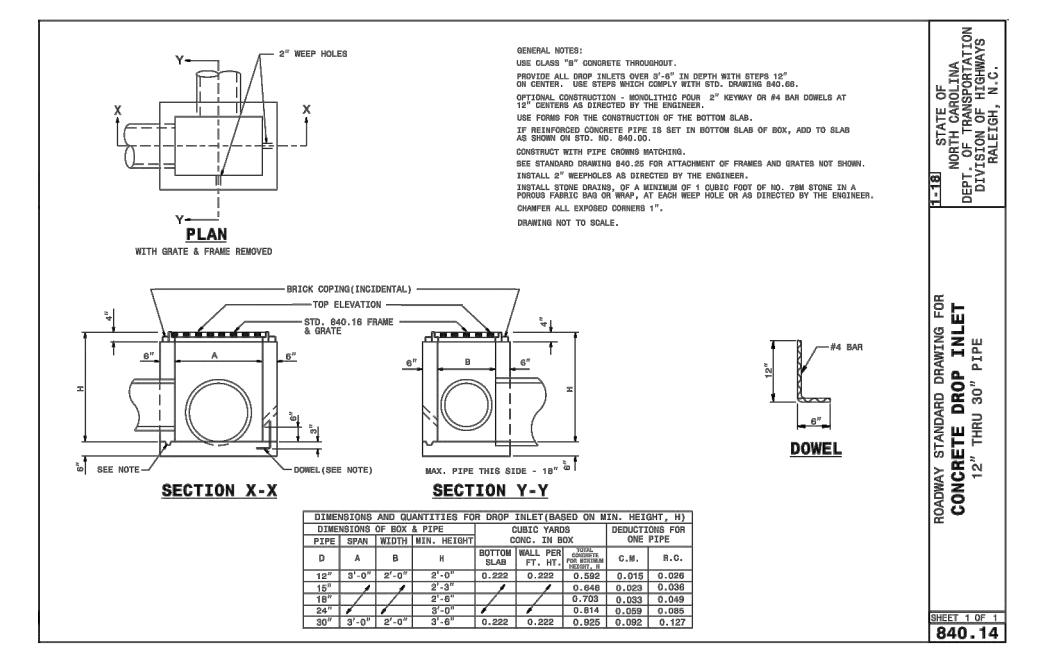
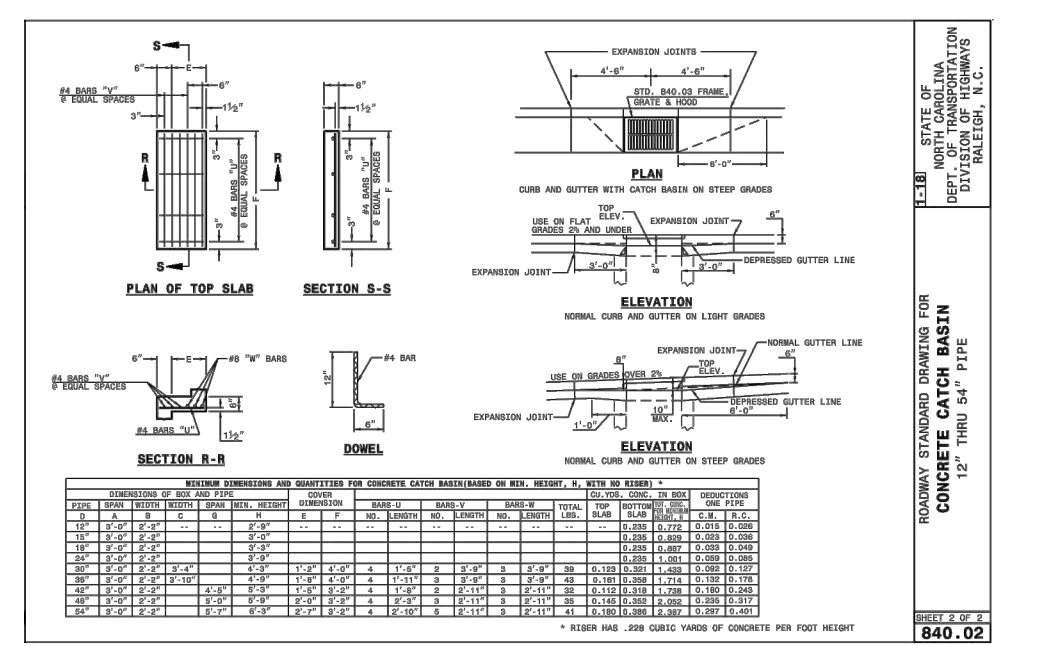
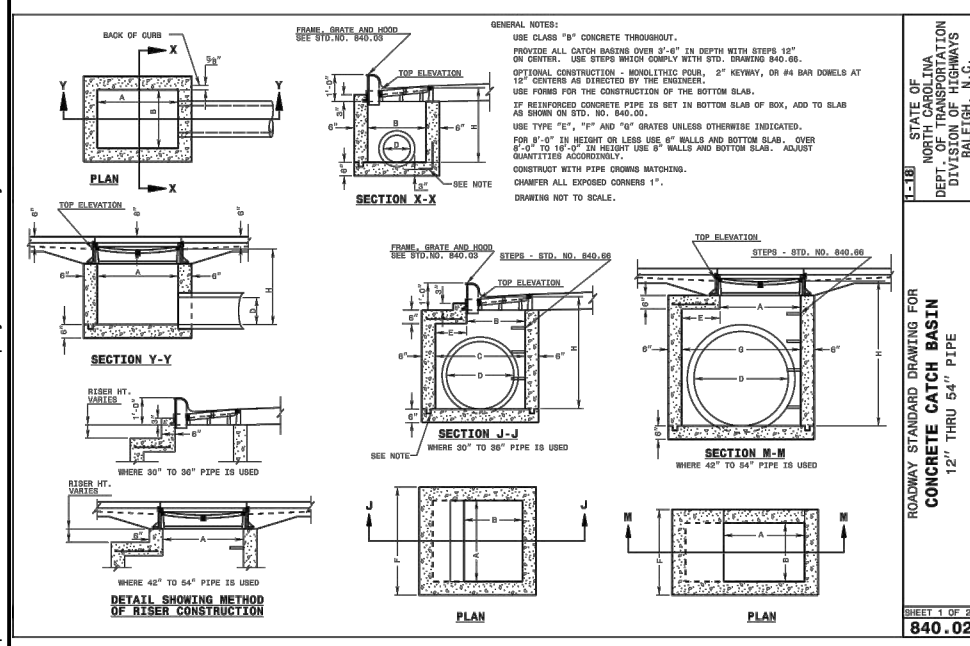
CK-230 IRRIGATION SLEEVING DETAIL NOT TO SCALE



CK-235 IRRIGATION TRENCHING DETAIL NOT TO SCALE



CK-240 HOT BOX DETAIL NOT TO SCALE



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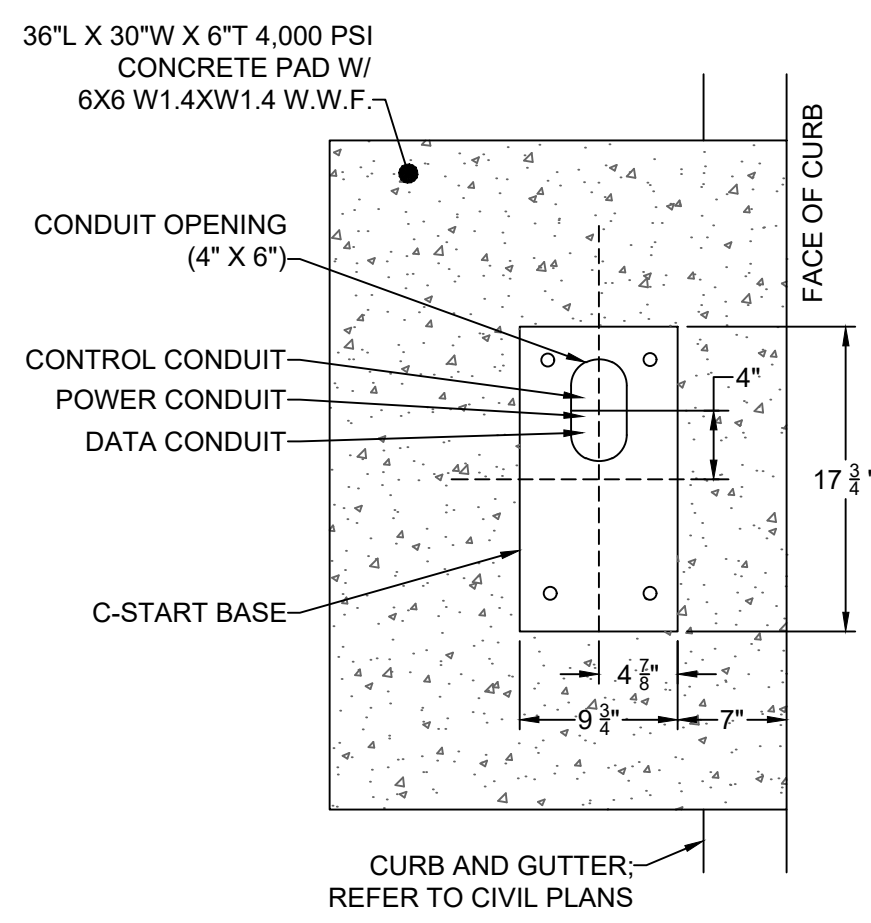
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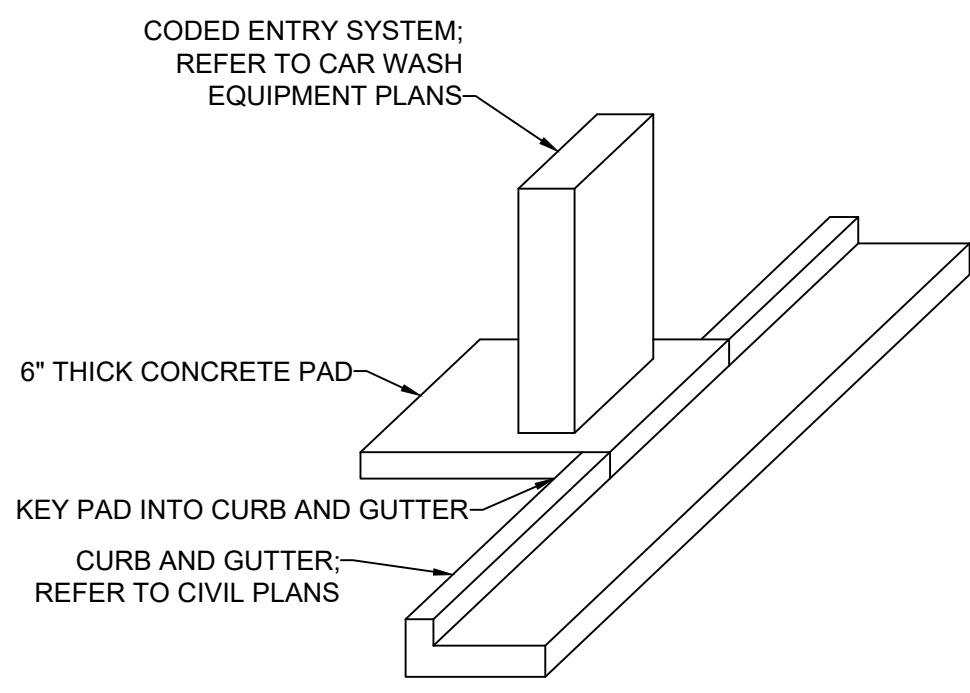
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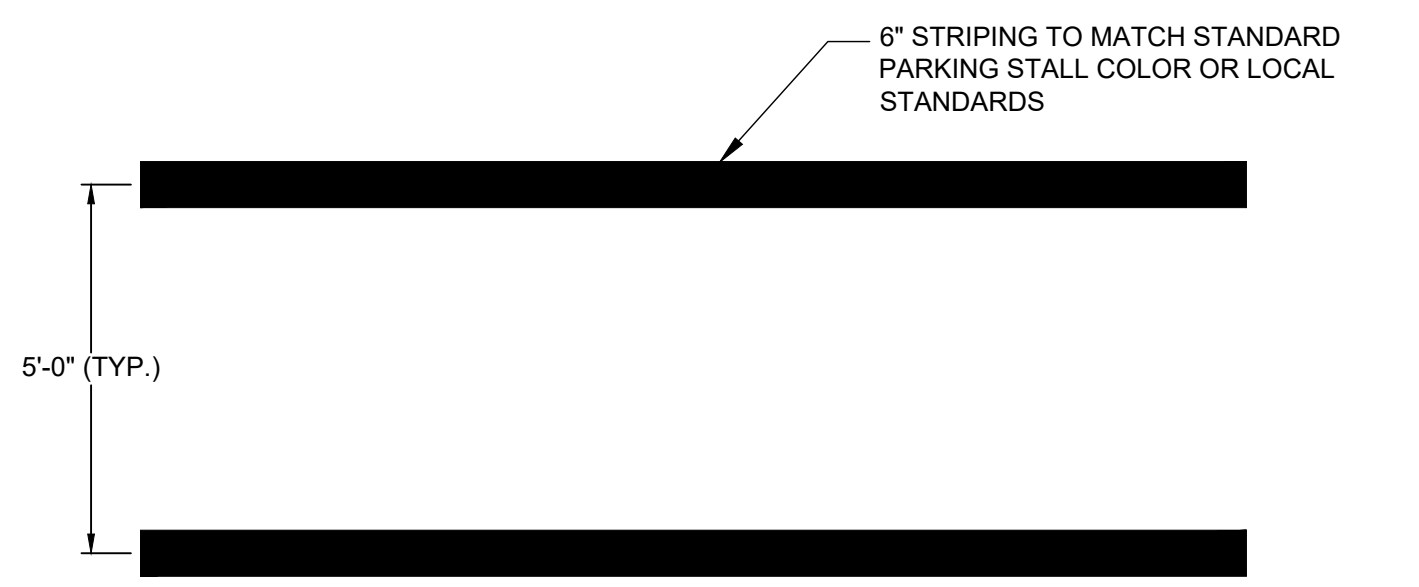
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- C-START POSITIONING:**
- WHEN INSTALLED AT THE WASH ENTRANCE, THE C-START SHOULD BE LOCATED 12' FROM THE WASH.
 - FOR CURB MOUNT APPLICATIONS, THE FRONT SURFACE OF THE C-START SHOULD BE EVEN WITH THE EDGE OF THE CURB. TO ACHIEVE THIS DIMENSION, THE BASE FRAME SHOULD BE INSTALLED SO ITS LEADING EDGE IS 7".
- CONDUIT INSTALLATION:**
- A TYPICAL INSTALLATION WILL REQUIRE 3 CONDUIT RUNS FOR POWER, DATA AND WASH CONTROL LINES. DO NOT RUN DATA WIRES IN THE AC POWER OR WASH CONTROL CONDUITS.
- CONDUIT SIZE SHOULD BE AT LEAST 3/4". A LARGER CONDUIT MAY BE REQUIRED DEPENDING ON THE QUANTITY AND GAUGE OF WIRES TO BE INSTALLED.
 - AS WIRES ARE PULLED THROUGH THE CONDUIT, ENSURE THERE IS AT LEAST 6" OF WIRE EXTENDING FROM THE END OF THE CONDUIT STUB.
 - REFER TO ELECTRICAL CONSTRUCTION DRAWINGS FOR ALL CONDUIT AND WIRING REQUIREMENTS TO THE CONVENIENCE STORE.

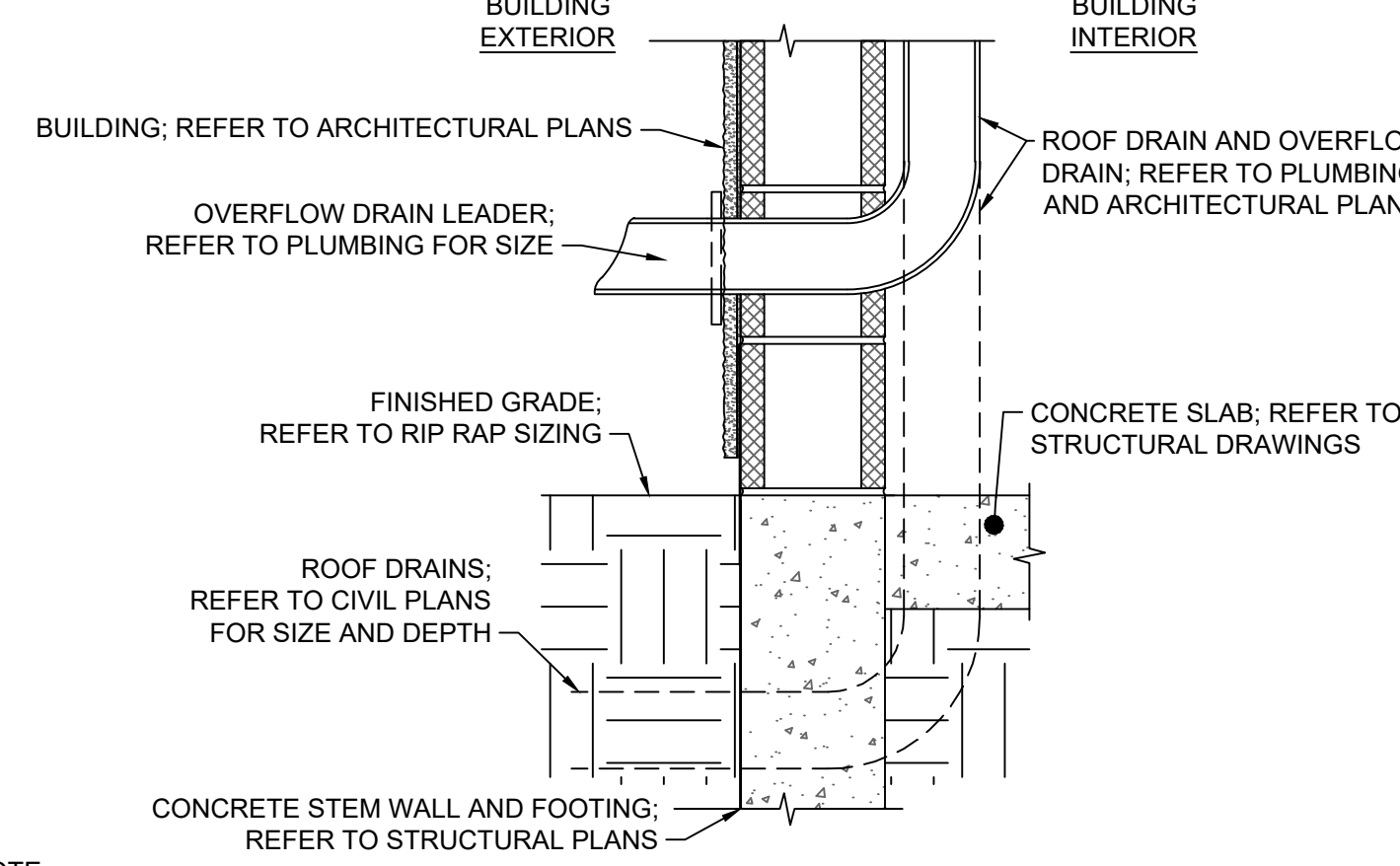


CONCRETE PAD - ISOMETRIC VIEW



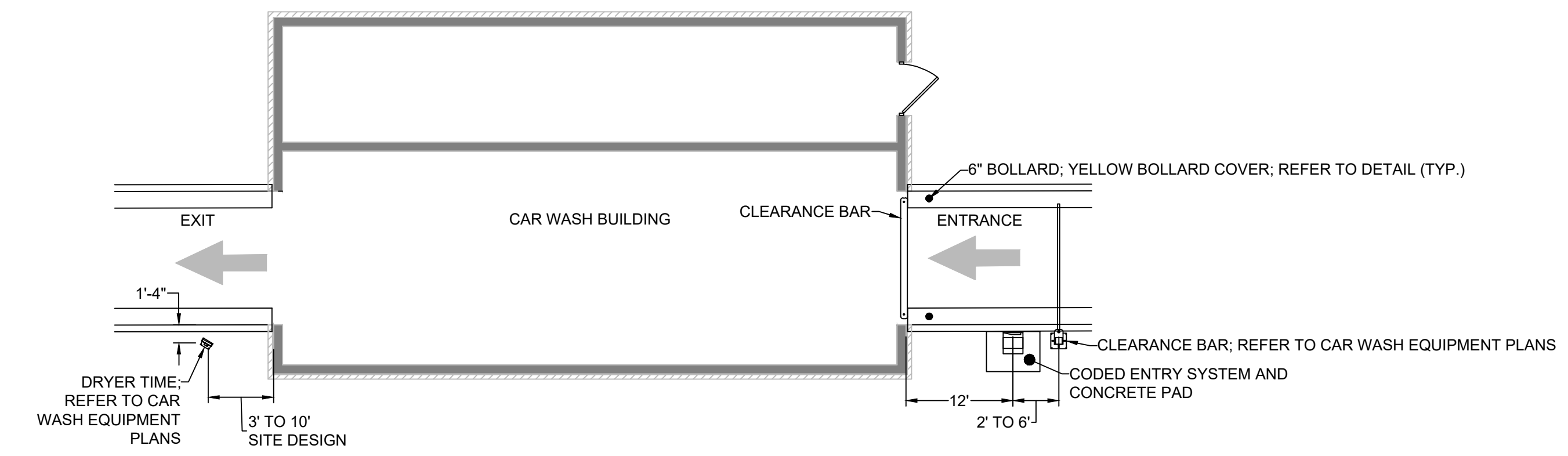
- NOTES:**
- THIS DETAIL ONLY APPLIES TO PRIVATE PROPERTY.
 - REFER TO PLANS FOR EXTENT OF PATH OF TRAVEL.
 - LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0% AND TRANSVERSE SLOPE SHALL NOT EXCEED 2.0%.

CK-335 ADA TRAVEL PATH DETAIL



- NOTES:**
- PRIMARY AND SECONDARY ROOF DRAINS SHALL RUN INDEPENDENT FROM EACH OTHER; REFER TO PLUMBING AND CIVIL PLANS.
 - FOR ADDITIONAL INFORMATION; REFER TO ARCHITECTURAL, PLUMBING, AND STRUCTURAL PLANS.

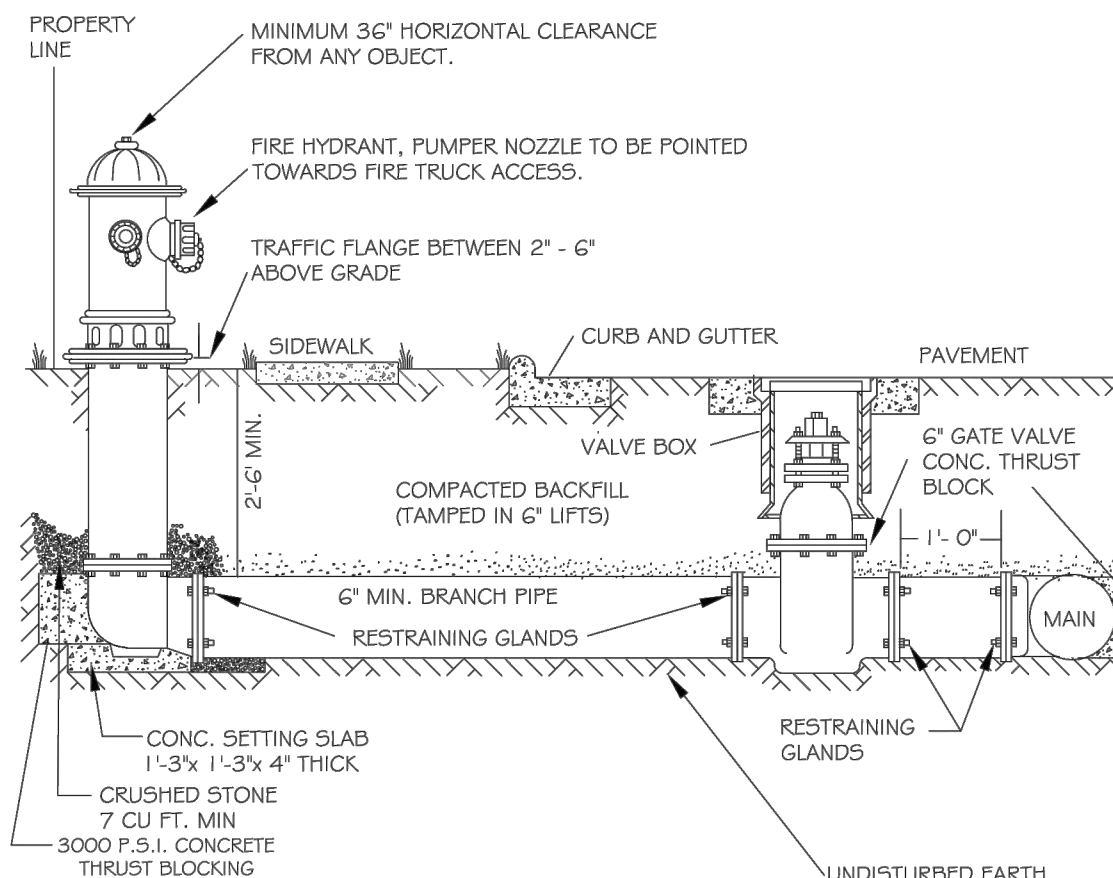
CODED ENTRY SYSTEM CONCRETE PAD



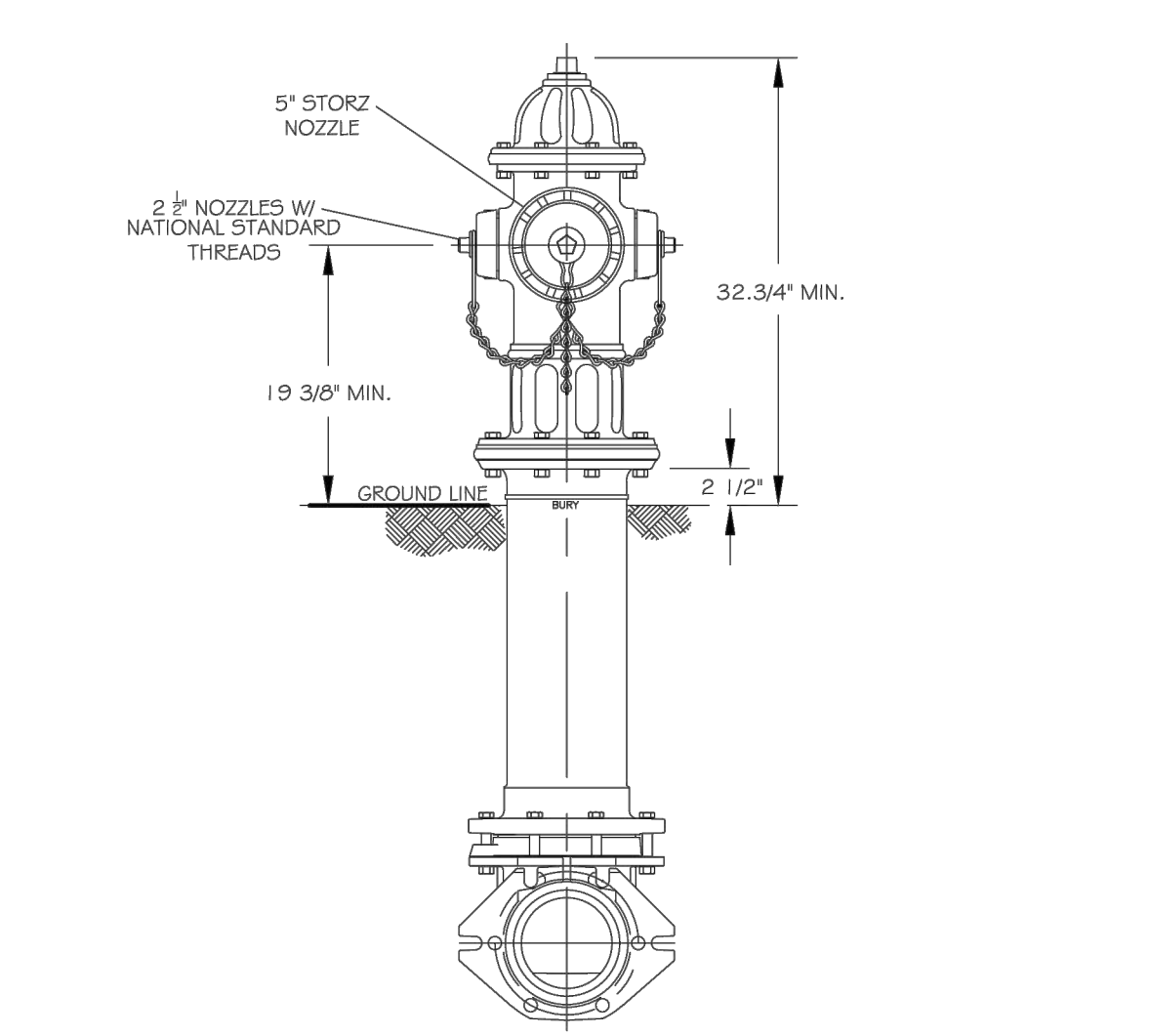
ACCESSORY EQUIPMENT - PLAN VIEW

- NOTE:**
- REFER TO ARCHITECTURAL AND ELECTRICAL PLANS FOR MECHANICAL ROOM INFORMATION. BUILDING LAYOUT ILLUSTRATED IS NOT SITE SPECIFIC.
 - CODED ENTRY SYSTEM PAD MUST BE PLACED ON DRIVER SIDE OF CAR WASH ENTRANCE.
 - REFER TO ARCHITECTURAL, MEP, AND CAR WASH EQUIPMENT PLANS FOR ADDITIONAL INFORMATION.

CK-375 CAR WASH ACCESSORIES DETAIL

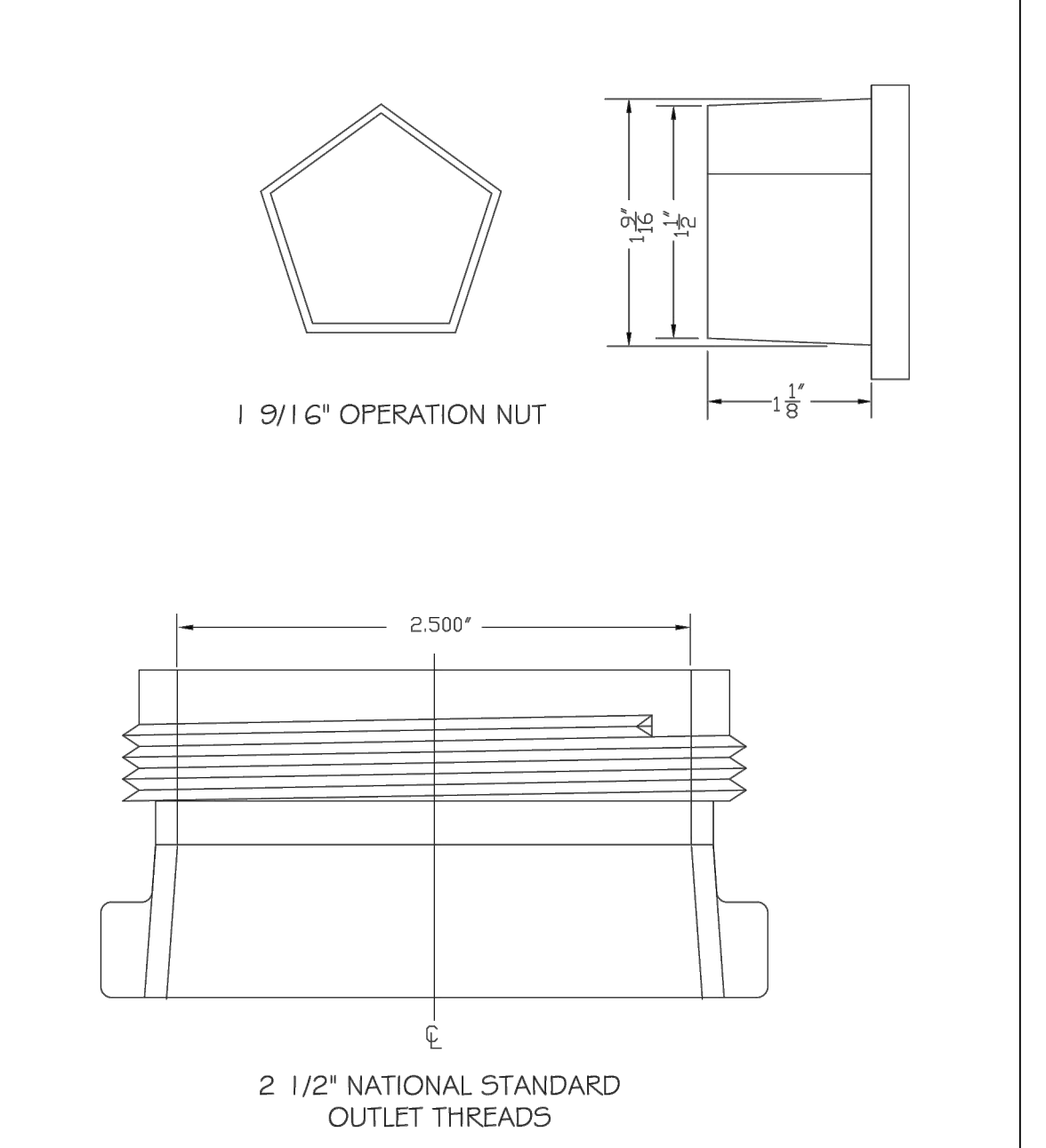


- NOTES:**
- FIRE HYDRANT SHALL BE AS MANUFACTURED; MUELLER, AMERICAN DARLING, KENNEDY, MMH, WATERLOUS, CLOW.
 - BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
 - GATE VALVE SHALL BE AWWA C500-96 OPEN LEFT
 - STEEL RODS AND BOLTS SHALL BE 3" HOT DIPPED GALVANIZED
 - FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION
 - RODS SHALL NOT BE COUPLED MORE THAN ONCE. IF THE LENGTH FROM THE VALVE TO THE HYDRANT EXCEEDS 20' THEN A MECHANICAL RESTRAINING GLAND WITH A REBAR CAGE SHALL BE INSTALLED NO MORE THAN 10' FROM HYDRANT AND POURED IN CONCRETE
 - FIRE HYDRANTS TO BE LOCATED IN ROW OR 2 FOOT EASEMENT ADJACENT TO ROW
- ANYTIME SITE WORK, CONSTRUCTION, ROAD WORK, OR ANY OTHER WORK CHANGES THE GRADE OF THE FIRE HYDRANT, THE PERSON RESPONSIBLE FOR THE WORK IS RESPONSIBLE FOR ADJUSTING THE FIRE HYDRANT TO STAY WITHIN COMPLIANCE.

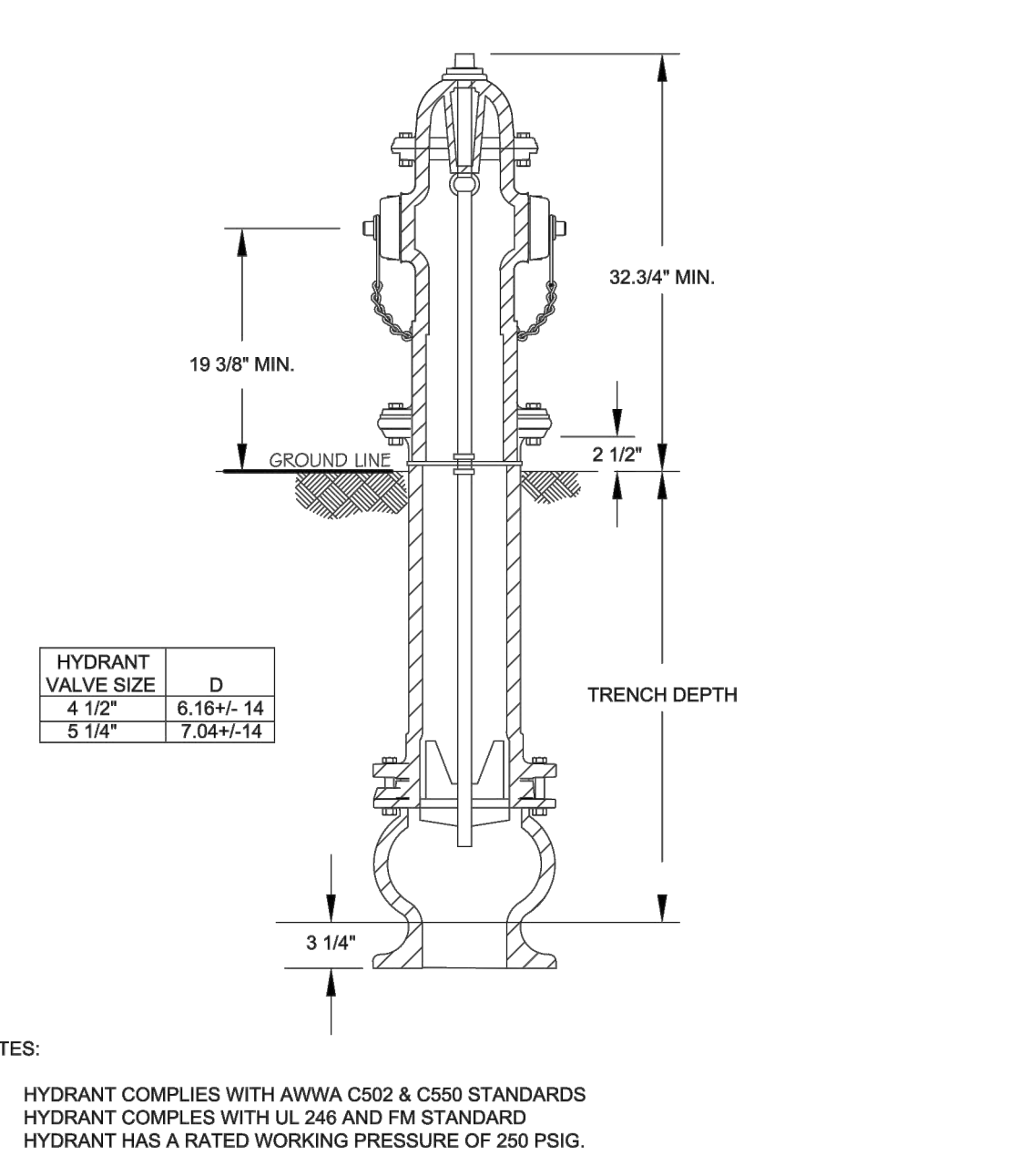


- NOTES:**
- ALL PUBLIC FIRE HYDRANTS IN THE TOWN OF ANGIER SHALL BE PAINTED RED WITH HIGH REFLECTIVE ALUMINUM SILVER CAPS, BONNETS AND OPERATING NUTS.

ANGIER STANDARD FIRE HYDRANT 5" STORZ PUMPER NOZZLE

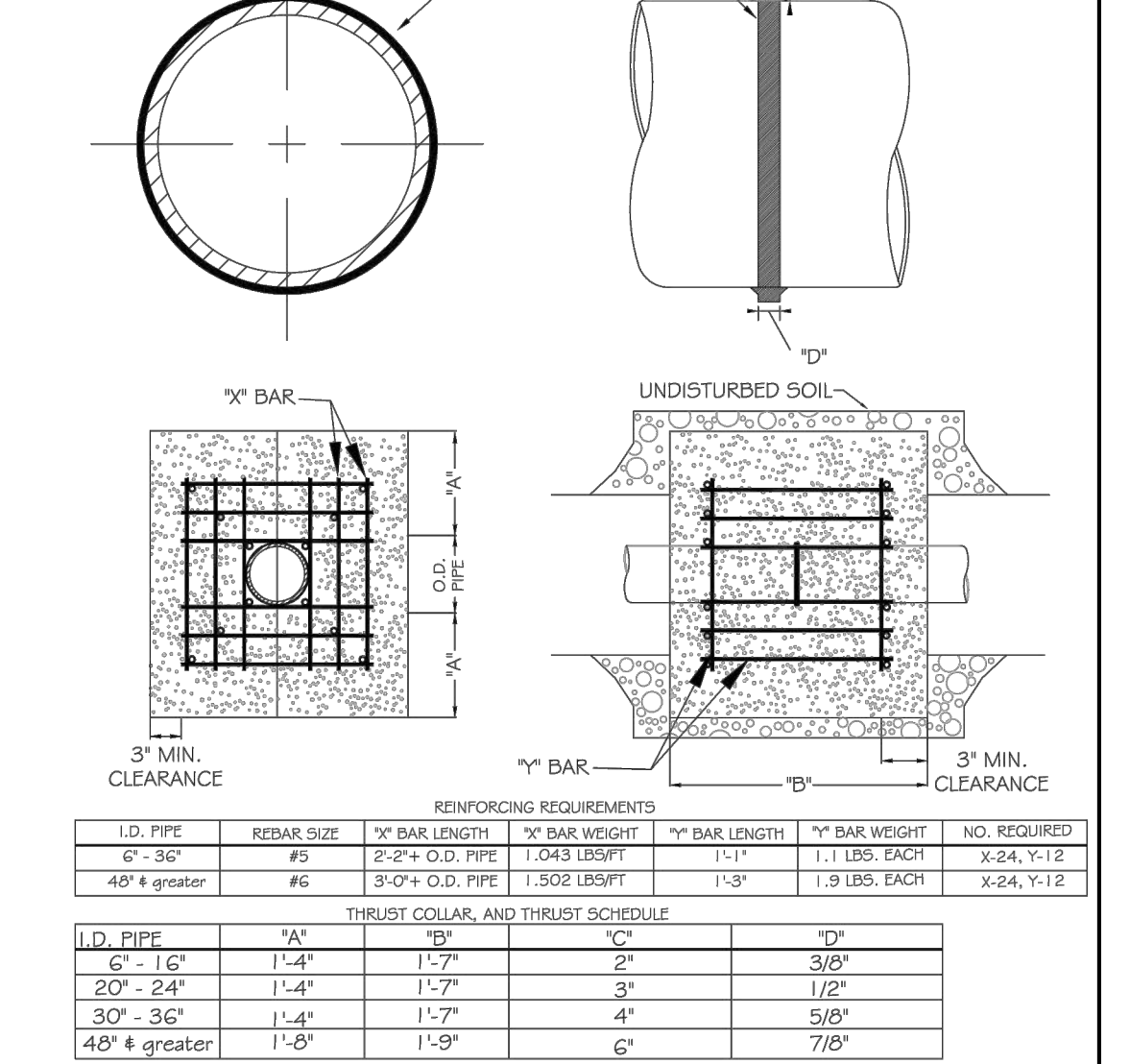


ANGIER STANDARD FIRE HYDRANT OPERATING NUT & 2.5" OUTLET THREADS



- NOTES:**
- HYDRANT COMPLIES WITH AWWA C502 & C550 STANDARDS
 - HYDRANT COMPLIES WITH UL 246 AND FM STANDARD
 - HYDRANT HAS A RATED WORKING PRESSURE OF 250 PSIG.

ANGIER VERTICAL SHOE HYDRANT



- NOTES:**
- SEE STANDARD DETAIL W-11 FOR THRUST BLOCK LOCATIONS.
 - CONCRETE SHALL BE 3000 PSI AND TRANSIT MIXED.
 - REINFORCING BARS SHALL BE DEFORMED AND TIED TOGETHER.
 - TRENCH BOTTOM WIDTH IN VICINITY OF THRUST BLOCK INSTALLATION SHALL BE THE MINIMUM WIDTH AS SHOWN ON STANDARD DETAIL W-3.
 - BACKFILL TAMPED IN 6" LIFTS PER STANDARD DETAIL W-3.
 - THRUST COLLAR MUST BE FACTORY WELDED ON BOTH SIDES ALONG BOTH EDGES OF COLLAR AROUND CIRCUMFERENCE.

ANGIER THRUST BLOCKING DESIGN DATA - WATER MAINS

ANGIER STANDARD FIRE HYDRANT INSTALLATION (RESTRAINED JOINT) W-4	ANGIER STANDARD FIRE HYDRANT 5" STORZ PUMPER NOZZLE W-5	ANGIER STANDARD FIRE HYDRANT OPERATING NUT & 2.5" OUTLET THREADS W-6	ANGIER VERTICAL SHOE HYDRANT W-7	ANGIER THRUST BLOCKING DESIGN DATA - WATER MAINS W-9
------------------------------------------------------------------	---------------------------------------------------------	----------------------------------------------------------------------	----------------------------------	------------------------------------------------------



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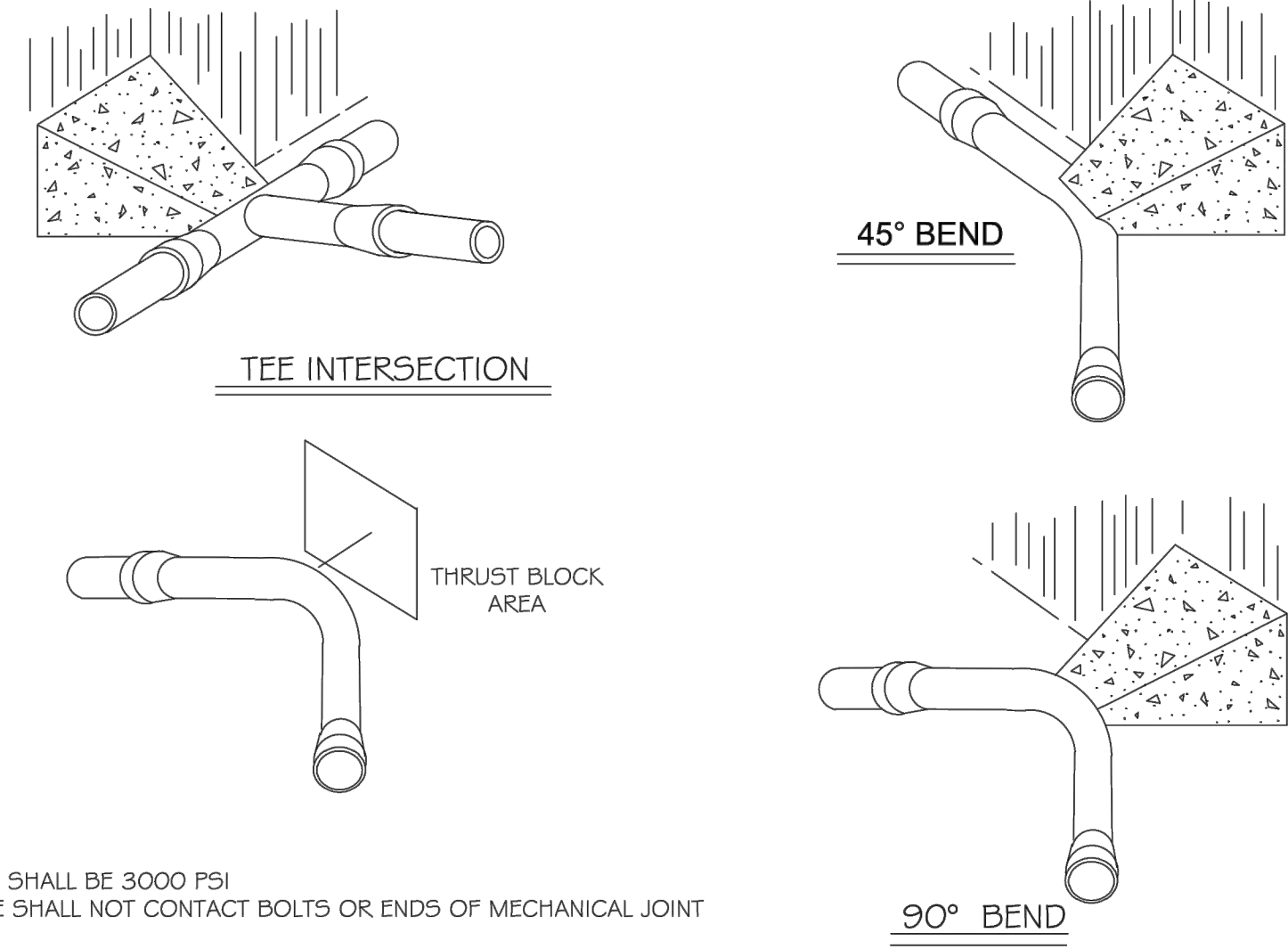
DATE 10/10/2022
 DRAWN BY J. YOKLEY
 DESIGNED BY J. DOOLEY
 CHECKED BY R. BAKER
 SCALE AS SHOWN

TIMMONS GROUP
 NORTH CAROLINA LICENSE NO. C-1652
 WAKE COUNTY - NORTH CAROLINA
 NOTES AND DETAILS

CIRCLE K NTI NC55 KENNEBEC - ANGIER, NC

JOB NO. 37630.105
 SHEET NO. C7.5

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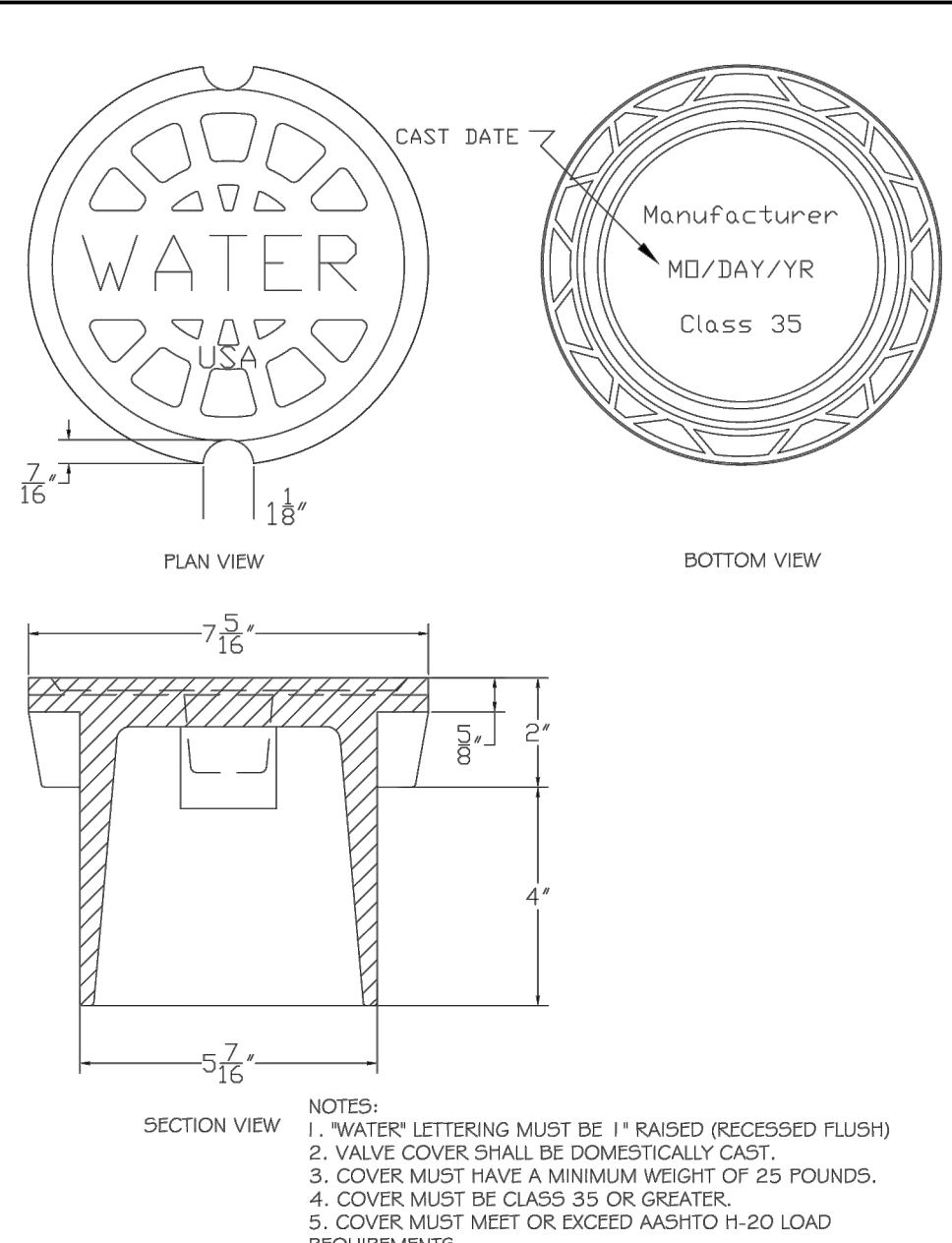
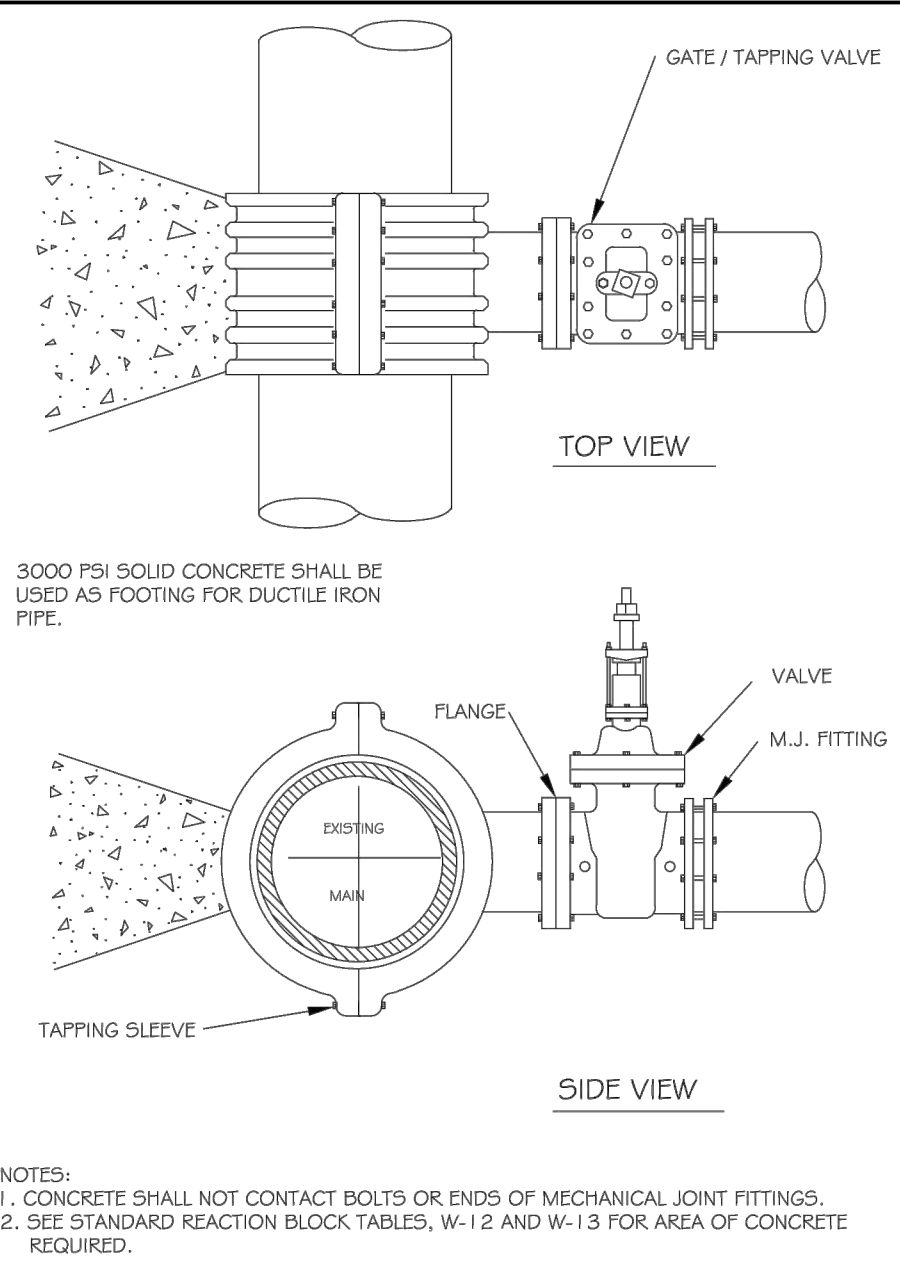
- NOTES:
1. CONCRETE SHALL BE 3000 PSI
 2. CONCRETE SHALL NOT CONTACT BOLTS OR ENDS OF MECHANICAL JOINT FITTINGS.
 3. TRENCHES SHALL CONFORM TO STANDARD DETAIL W-3.
 4. SEE STANDARD THRUST BLOCK TABLES, W-12 & W-13, FOR AREA OF CONCRETE REQUIRED.
 5. ALL BENDS AND INTERSECTIONS SHALL HAVE CONCRETE THRUST BLOCKING.

REACTION BEARING AREAS FOR HORIZONTAL WATER PIPE BENDS
BASED ON TEST PRESSURE OF 200 P.S.I.

ALL AREAS GIVEN IN SQUARE FEET.

PIPE SIZE (DIAMETER OF BEND)	FLAT (180°) IN POUNDS	INTERMEDIATE (90°) CLAY (ADD) LIGHTS	SOFT CLAY (ADD) LIGHTS	GRAVEL (CONCRETE SAND) (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS	DRY CLAY (ADD) LIGHTS
6"											
1 1/4"	1,108	1	1	1	1	1	1	2	1		
2 1/2"	2,207	1	2	2	1	1	1	3	1		
4 1/2"	4,326	2	3	3	1	1	1	5	1		
90°	7,996	2	4	5	1	1	1	2	6	1	
PLUG	5,655	2	3	4	1	1	1	2	6	1	
8"											
1 1/4"	1,970	1	1	2	1	1	1	2	1		
2 1/2"	3,922	1	2	3	1	1	1	4	1		
4 1/2"	7,694	2	4	5	1	1	1	2	6	1	
90°	14,215	4	6	9	2	2	2	4	15	2	
PLUG	10,053	3	5	6	2	2	3	10	1		
1 1/2"											
1 1/4"	4,433	2	3	3	1	1	1	2	5	1	
2 1/2"	8,826	3	5	6	2	2	2	3	9	1	
4 1/2"	17,312	5	9	11	3	3	3	5	18	2	
90°	31,983	6	16	19	4	4	4	6	32	4	
PLUG	22,619	6	12	14	3	3	3	6	23	3	
1 1/2"											
1 1/4"	7,881	2	4	5	1	1	1	2	6	1	
2 1/2"	15,691	4	6	10	2	2	2	4	16	2	
4 1/2"	30,779	6	16	19	4	4	4	6	31	4	
90°	56,261	15	29	35	6	6	6	15	57	6	
PLUG	40,213	10	21	25	5	5	5	10	41	5	

REACTION BEARING AREAS ARE IN SQUARE FEET MEASURED IN A VERTICAL PLANE IN THE TRENCH SIDE AT AN ANGLE OF 90° TO THE THRUST VECTOR.
USE 6" - 90° BEND VALUE FOR HYDRANTS FOR ADDITIONAL SAFETY FACTOR.



ANGIER
TOWN OF CRENSHIELD

THRUST BLOCKING STANDARD VIEWS

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W-11

ANGIER
TOWN OF CRENSHIELD

THRUST BLOCKING QUANTITY TABLE 1

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W-12

ANGIER
TOWN OF CRENSHIELD

STANDARD TAPPING SLEEVE & VALVE ASSEMBLY 4" - 24" MAINS

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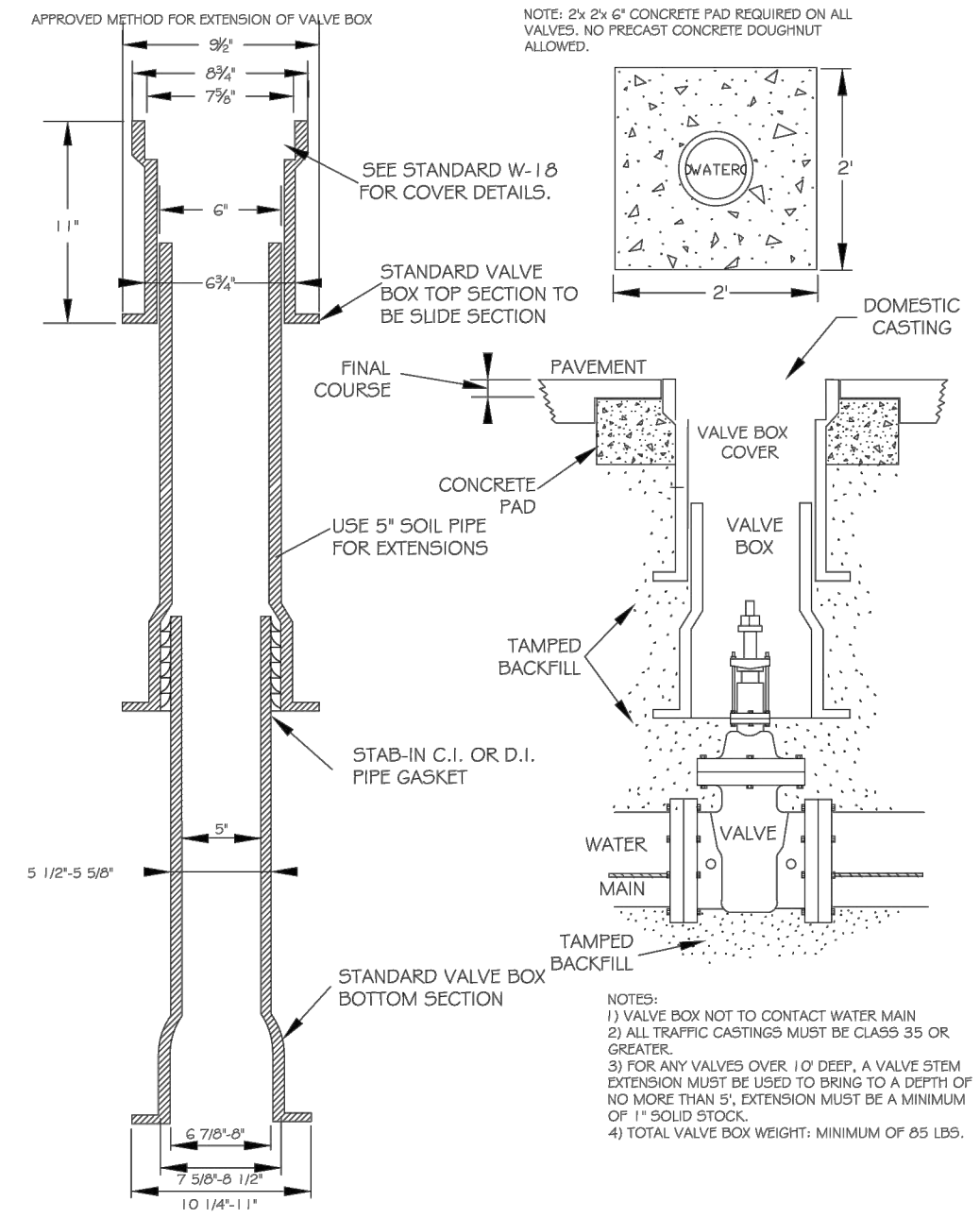
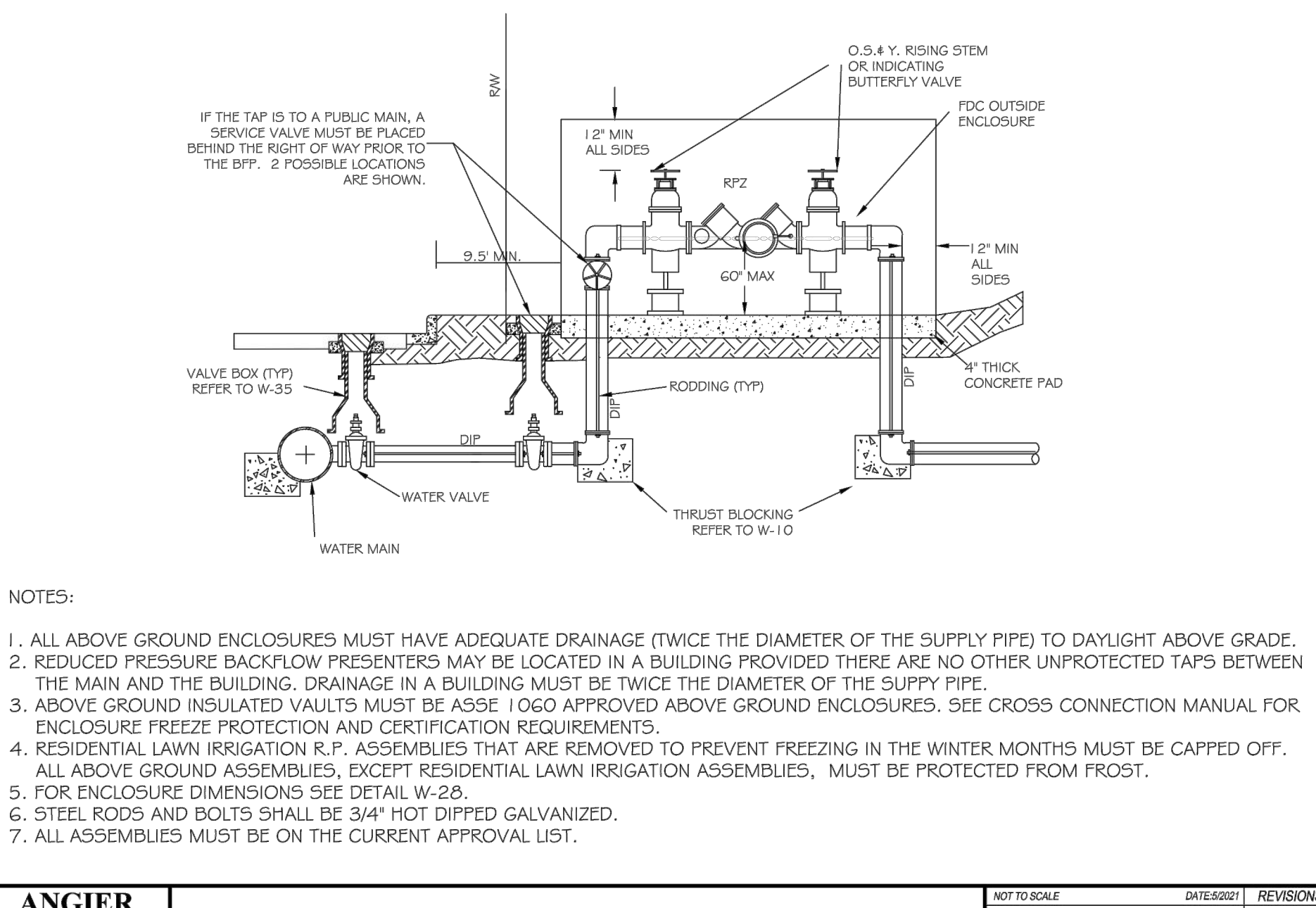
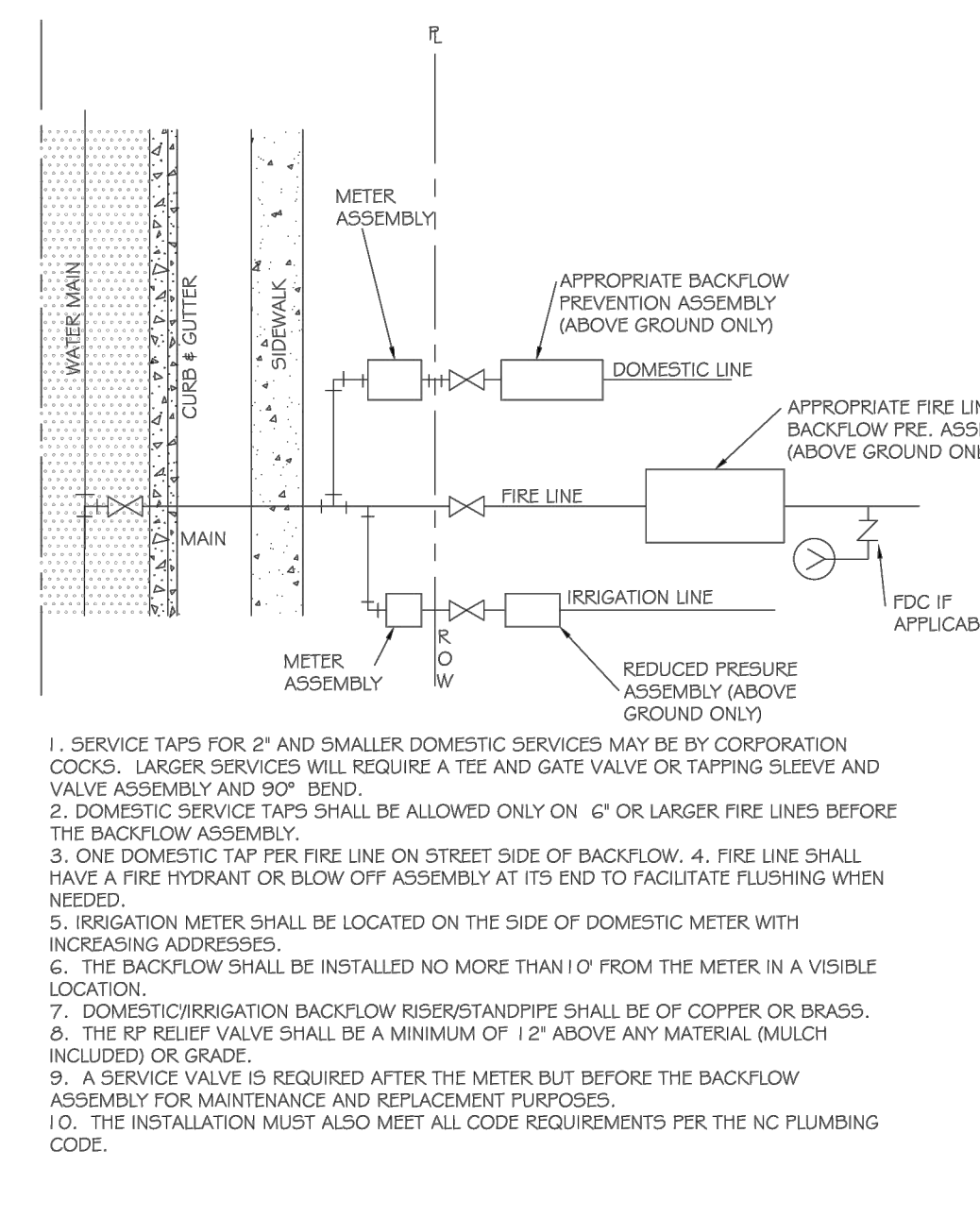
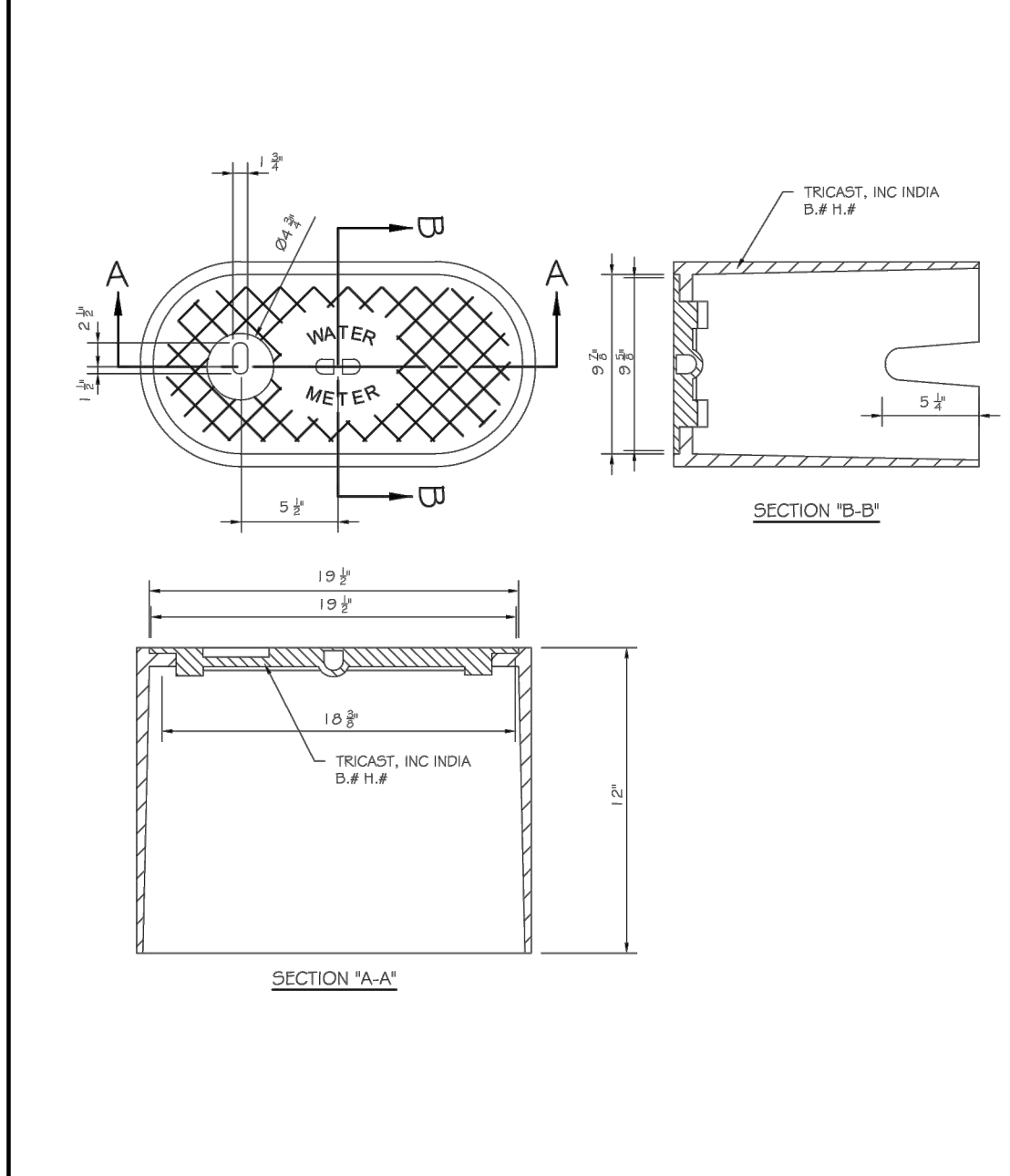
W-15

ANGIER
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VALVE BOX LID 5 1/4" DROP LID WITH 4" SKIRT

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W-20



ANGIER
TOWN OF CRENSHIELD

WATER METER LID TRICAST, INC. PART# MSMBX-1/WM

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W-23

ANGIER
TOWN OF CRENSHIELD

FIRE, DOMESTIC & IRRIGATION OPTIONS SCHEMATIC

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W-29

ANGIER
TOWN OF CRENSHIELD

REDUCED PRESSURE ZONE BACKFLOW PREVENTER ASSEMBLY

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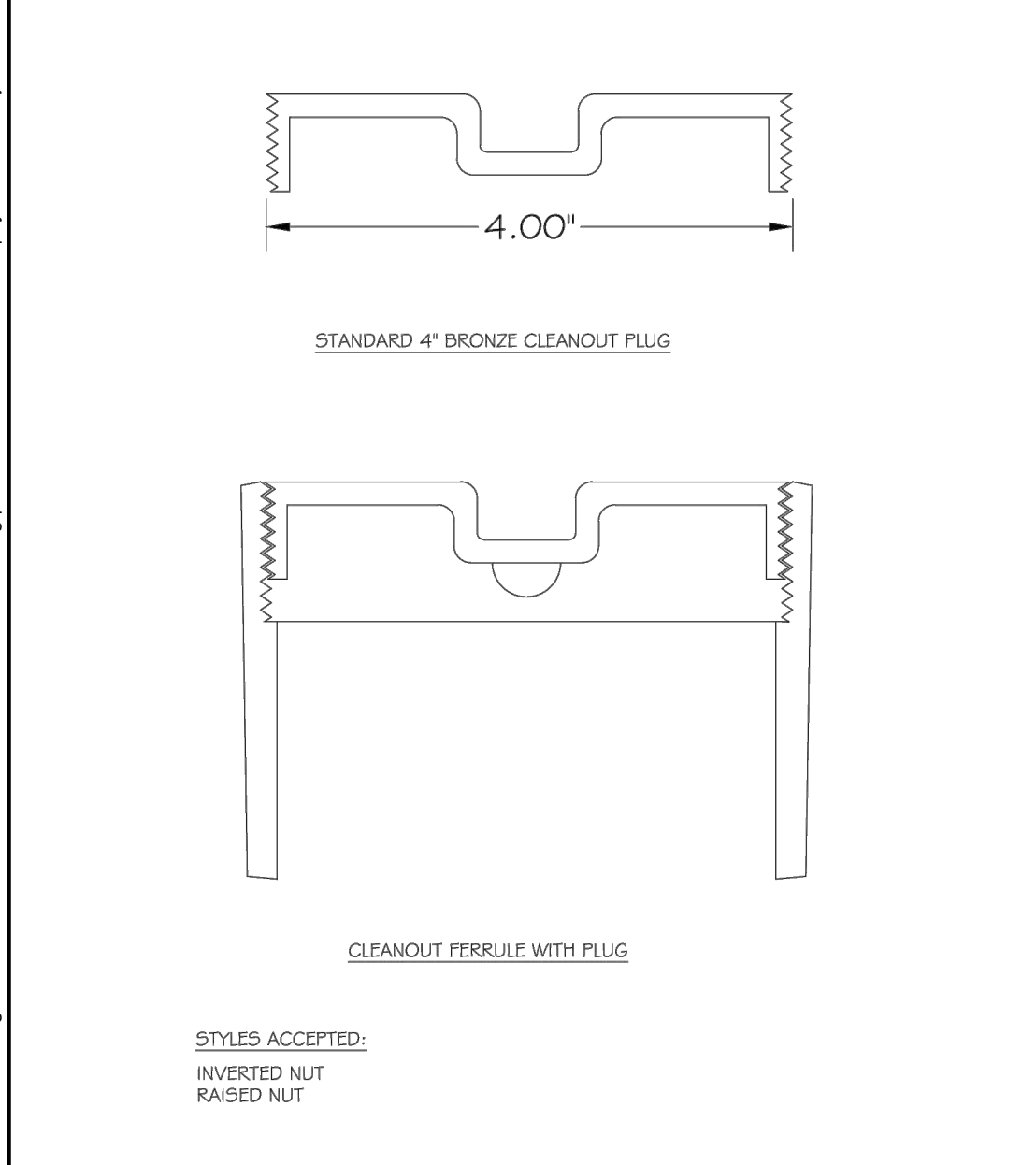
W-32

ANGIER
TOWN OF CRENSHIELD

VALVE BOX INSTALLATION & EXTENSION

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W-35

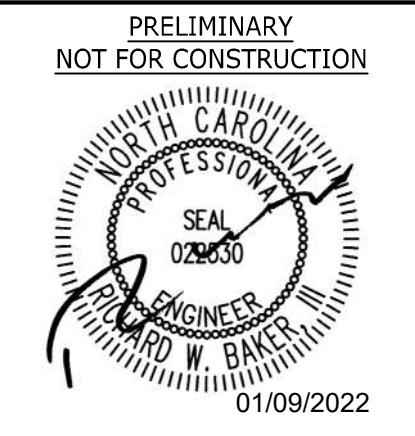


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4" CLEANOUT PLUG

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S-33



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SHEET NO. C7.6

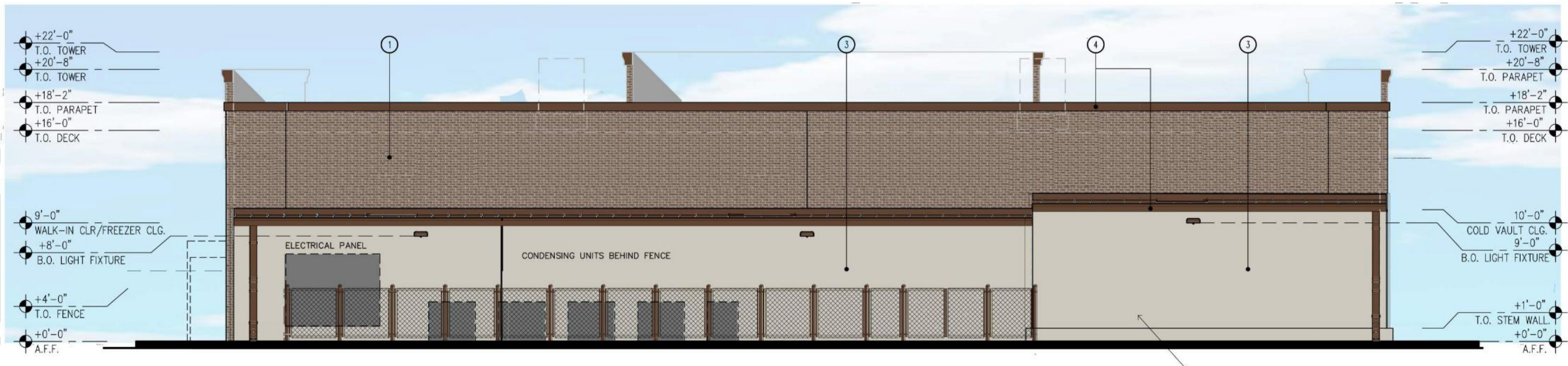
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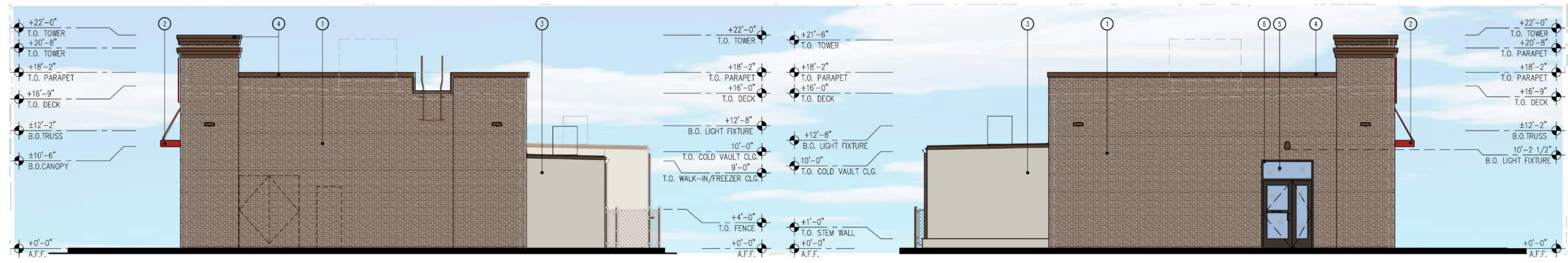
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1 FRONT ELEVATION (EAST)
SCALE: 3/16" = 1'-0"



2 BACK ELEVATION (WEST)
SCALE: 3/16" = 1'-0"



3 SIDE ELEVATION (NORTH)
SCALE: 3/16" = 1'-0"

4 SIDE ELEVATION (SOUTH)
SCALE: 3/16" = 1'-0"

- 6 ANODIZED WINDOW FRAME
COLOR: DARK BRONZE
- 5 1" INSULATED CLEAR GLASS
- 4 METAL COPING, CORNICE, AND GUTTER
SHERWIN WILLIAMS 6090 "JAVA"
- 3 PRE-MANUFACTURED FREEZER/COOLER WALLS
SHERWIN WILLIAMS 6115 "TOTALLY TAN"
- 2 ALUMINUM CANOPY
SHERWIN WILLIAMS 4081 "SAFETY RED"
- 1 NICHIIA VINTAGE BRICK
"WHITE WASH"

ELEVATION CALCULATIONS:

FRONT/EAST FACADE

- 68% - NICHIIA VINTAGE BRICK - "WHITE WASH"
- 3% - ALUMINUM CANOPY - SHERWIN WILLIAMS 4081 "SAFETY RED"
- 4% - METAL COPING, CORNICE, AND GUTTER - SHERWIN WILLIAMS 6090 "JAVA"
- 22% - 1" INSULATED CLEAR GLASS
- 3% - ANODIZED WINDOW FRAME - COLOR: DARK BRONZE

BACK/WEST FACADE

- 38% - NICHIIA VINTAGE BRICK - "WHITE WASH"
- 49% - PRE-MANUFACTURED FREEZER/COOLER WALLS - SHERWIN WILLIAMS 6115 "TOTALLY TAN"
- 13% - METAL COPING, CORNICE, AND GUTTER - SHERWIN WILLIAMS 6090 "JAVA"

SIDE/NORTH FACADE

- 79% - NICHIIA VINTAGE BRICK - "WHITE WASH"
- 1% - ALUMINUM CANOPY - SHERWIN WILLIAMS 4081 "SAFETY RED"
- 15% - PRE-MANUFACTURED FREEZER/COOLER WALLS - SHERWIN WILLIAMS 6115 "TOTALLY TAN"
- 5% - METAL COPING, CORNICE, AND GUTTER - SHERWIN WILLIAMS 6090 "JAVA"

SIDE/SOUTH FACADE

- 74% - NICHIIA VINTAGE BRICK - "WHITE WASH"
- 1% - ALUMINUM CANOPY - SHERWIN WILLIAMS 4081 "SAFETY RED"
- 15% - PRE-MANUFACTURED FREEZER/COOLER WALLS - SHERWIN WILLIAMS 6115 "TOTALLY TAN"
- 4% - METAL COPING, CORNICE, AND GUTTER - SHERWIN WILLIAMS 6090 "JAVA"
- 3% - 1" INSULATED CLEAR GLASS
- 3% - ANODIZED WINDOW FRAME - COLOR: DARK BRONZE

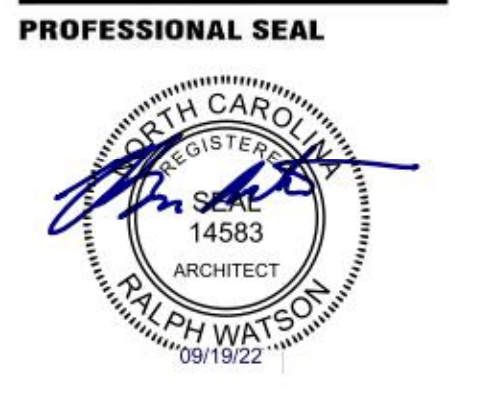
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REVISION

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JS
PROJECT MANAGER
RM
QUALITY CONTROL
RW
DRAWN BY
JL

PROJECT NAME
CIRCLE K STORES, INC.

ANGIER NC

9706 KENNEBEC CHURCH RD.
ANGIER, NC 27501

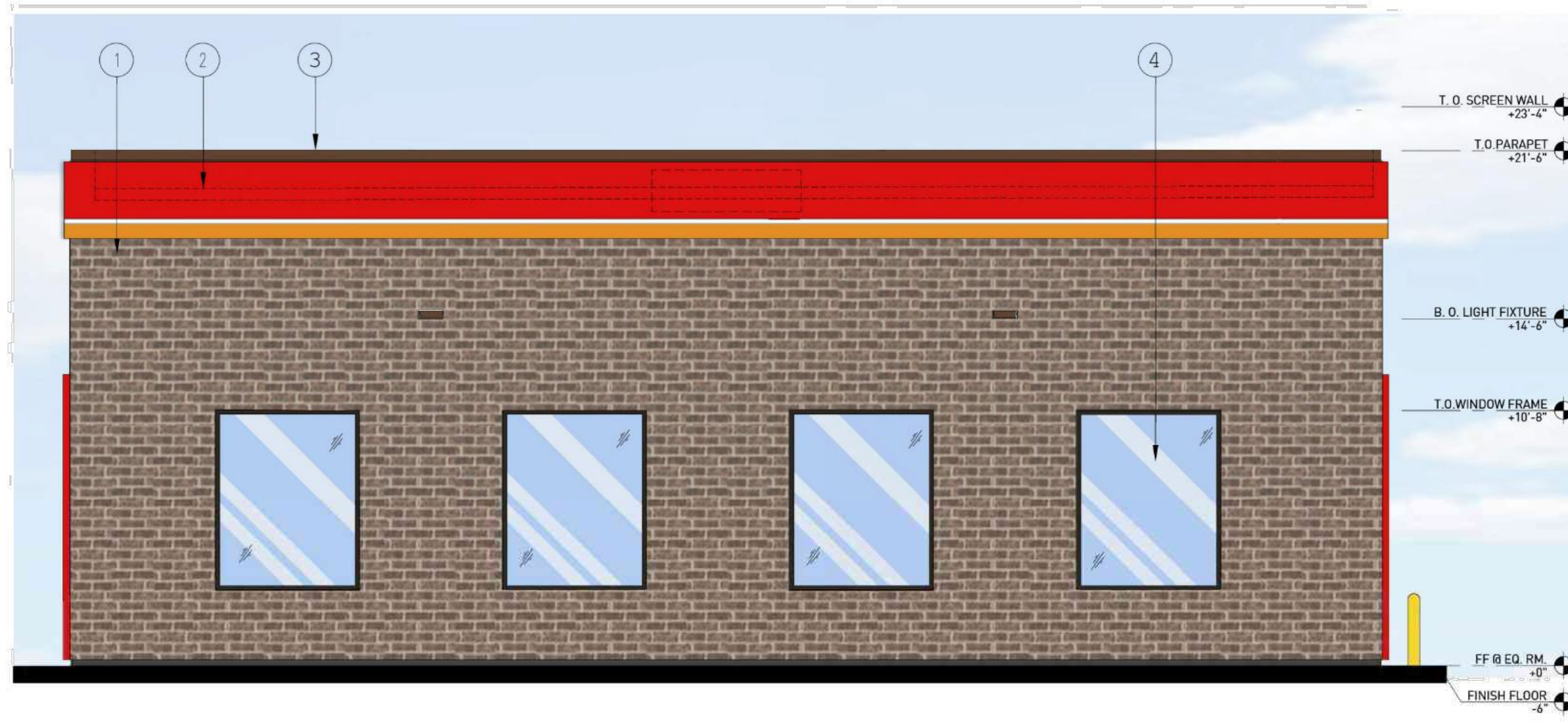


PROJECT NUMBER
22130

SHEET TITLE

EXTERIOR ELEVATIONS

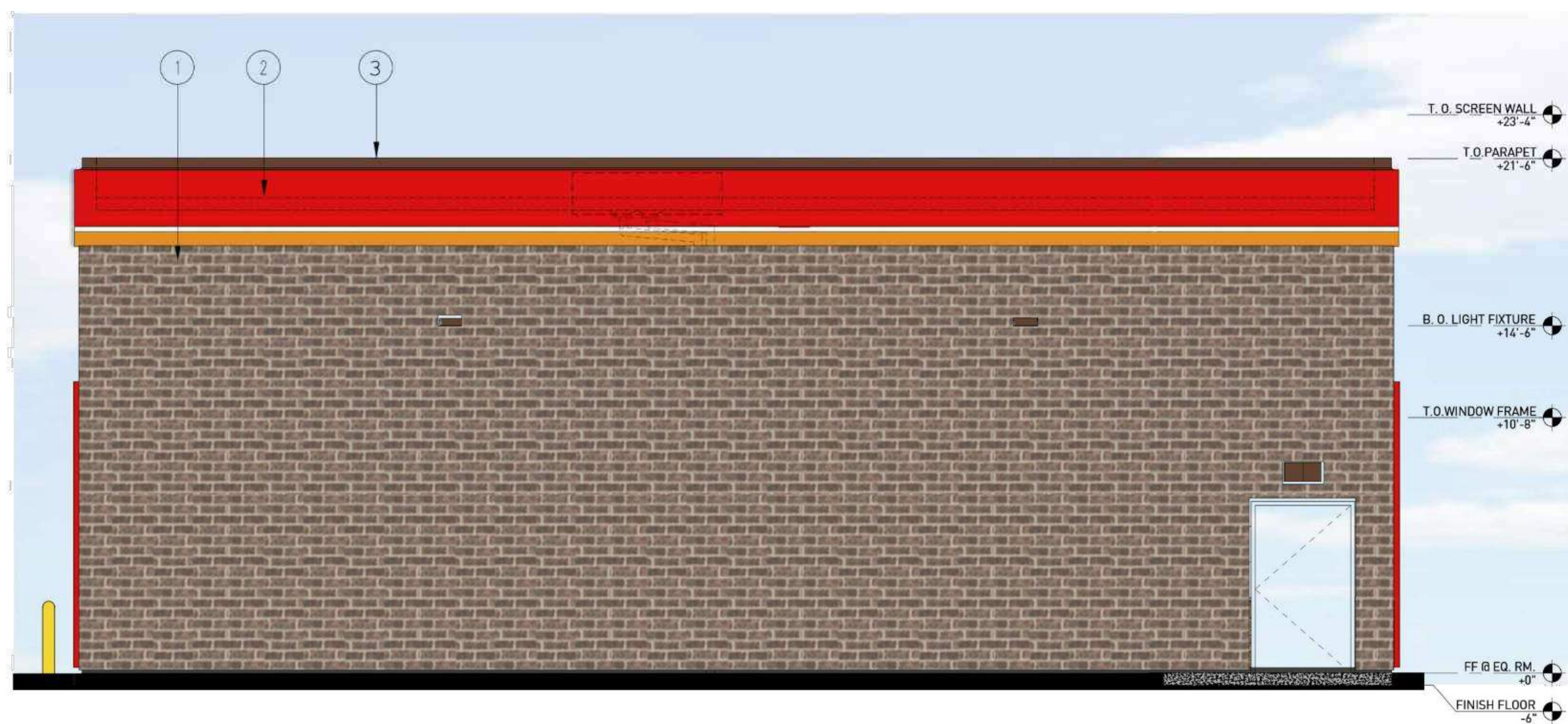
SHEET NUMBER
A2.1



SOUTH ELEVATION
SCALE: 1/4" = 1'-0"




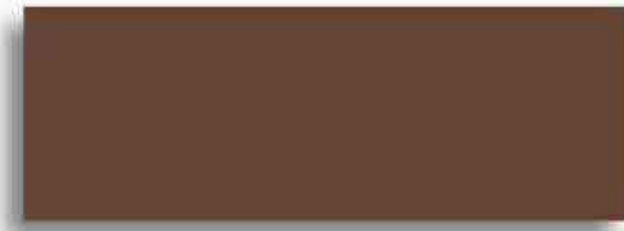


EAST ELEVATION
SCALE: 1/4" = 1'-0"



NORTH ELEVATION
SCALE: 1/4" = 1'-0"



WEST ELEVATION
SCALE: 1/4" = 1'-0"

- 
 - 
 - 
 - 
- ④ 1" INSULATED DOUBLE PANED GRAY TINTED GLASS
 - ③ METAL COPING
SHERWIN WILLIAMS 6090 "JAVA"
 - ② ACM AND PANEL
PROVIDED AND INSTALLED BY SIGNAGE VENDOR
 - ① NICHIIA VINTAGE BRICK
"WHITE WASH"

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RW
DRAWN BY
JL
PROJECT NAME

CIRCLE K STORES, INC.
DET CW
ANGIER
NC
9706 KENNEBEC CHURCH RD.
ANGIER, NC 27501



CIRCLE K STORE INC.
PROJECT NUMBER: 22130

EXTERIOR ELEVATIONS

A2.0-CW

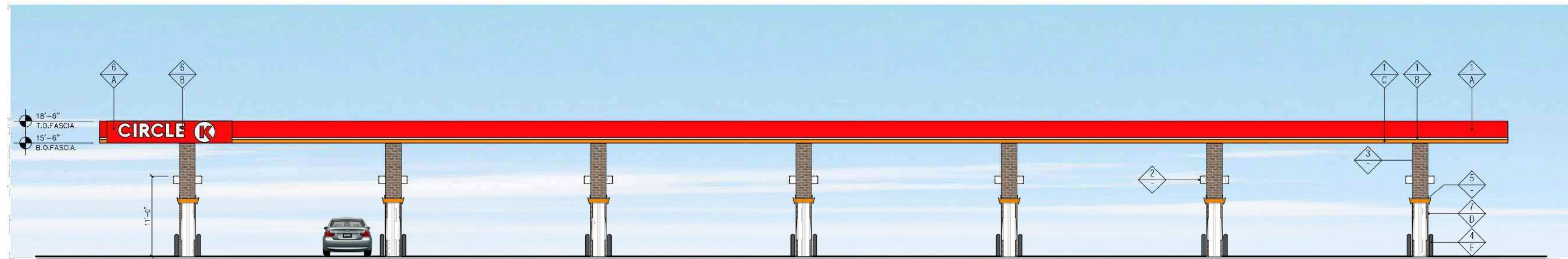


3 "SIDE" ELEVATION (NORTH)
SCALE: 1/8" = 1'-0"

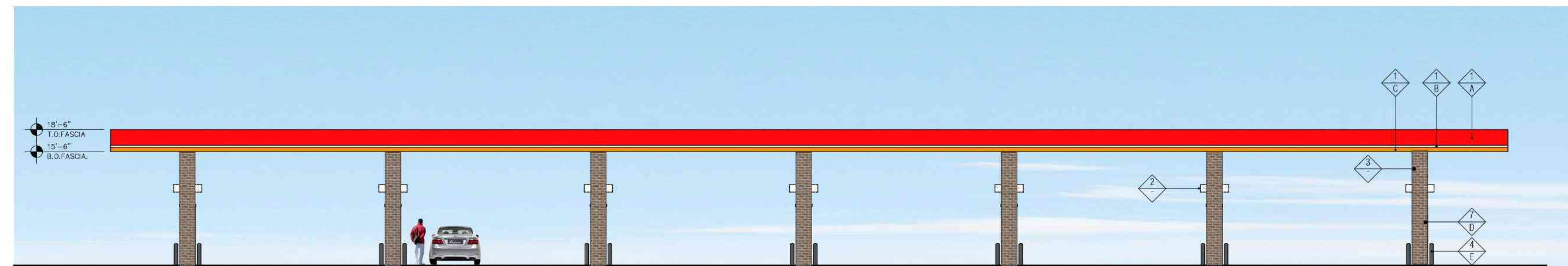
4 "SIDE" ELEVATION (SOUTH)
SCALE: 1/8" = 1'-0"

FINISH SCHEDULE	
FINISH MATERIAL	
1	ACM PANEL "EX-COTE"
2	COLUMN FLAGS BY SIGNAGE VENDOR
3	LINE OF STEEL COLUMN WITHIN
4	6" Ø BOLLARD, 36" HIGH
5	FUEL PUMP
6	INTERNALLY ILLUMINATED SIGN UNDER SEPARATE PERMIT
7	NICHIA VINTAGE BRICK
FINISH COLOR	
A	CIRCLE K RED #PMS 485
B	CIRCLE K WHITE
C	CIRCLE K ORANGE #PMS 144
D	NICHIA "WHITE WASH"
E	PVC BOLLARD SLEEVE "DARK GRAY"

Notes:
 1. Colors shown on these elevations are for illustration purposes only. For actual colors, refer to manufacturer's samples.
 2. The fascia panels are pre-finished by signage vendor.
 3. All signs require a separate submittal.
 4. All lighting on canopy to be flush mounted with fascia.



2 "FRONT" ELEVATION (EAST)
SCALE: 1/8" = 1'-0"



1 "REAR" ELEVATION (WEST)
SCALE: 1/8" = 1'-0"

CLASS A COLUMN FINISH

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JS
 PROJECT MANAGER
 RM
 QUALITY CONTROL
 RW
 DRAWN BY
 JL

PROJECT NAME

CIRCLE K STORES, INC.
ANGIER NC

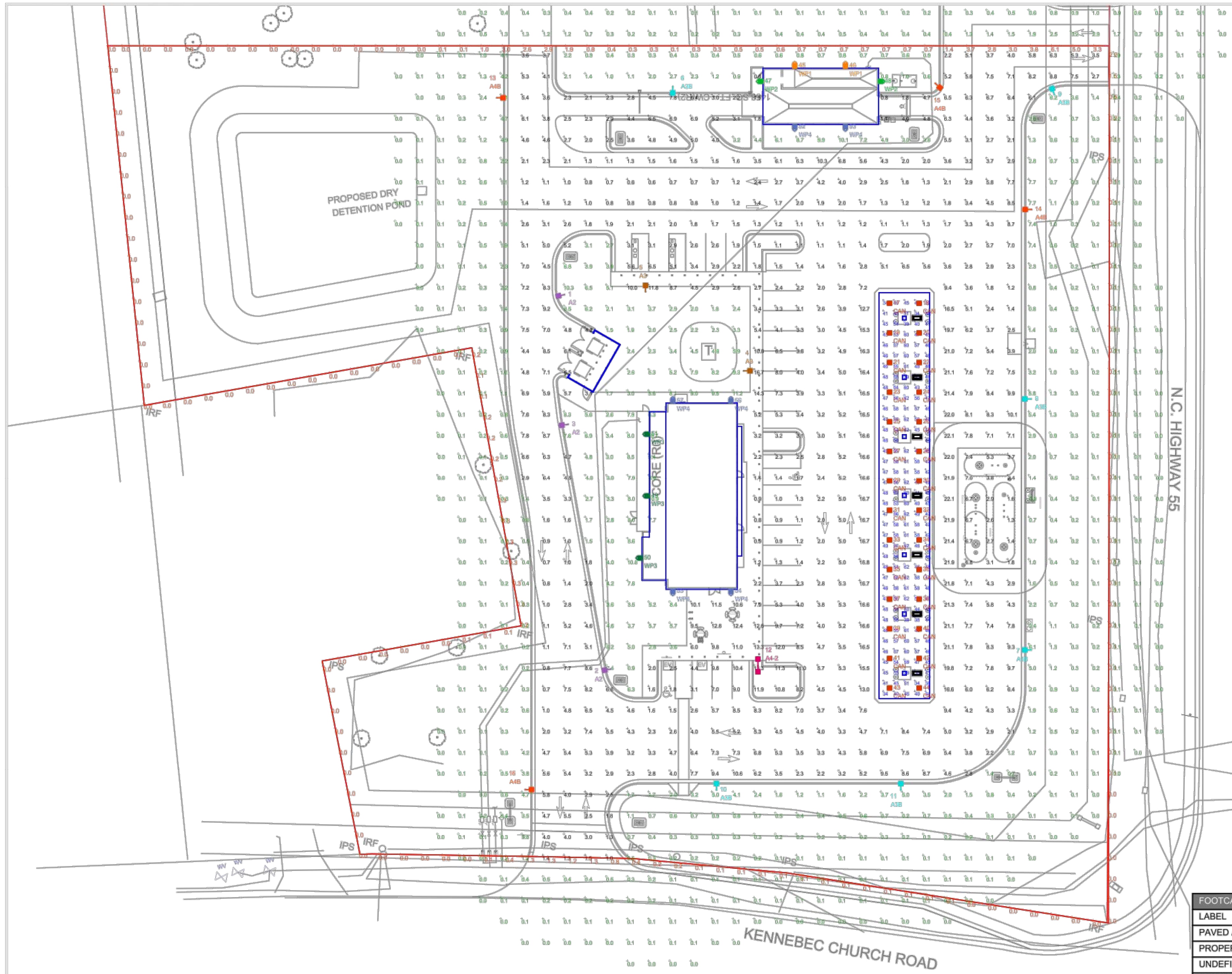
9706 KENNEBEC CHURCH RD.
 ANGIER, NC 27501



CIRCLE K STORE INC.
 PROJECT NUMBER: 22130

FUEL CANOPY ELEVATIONS (VS07)

A2-2



THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES

NOTE:
- ALL AREA LIGHTS ON NEW 15 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	5.28	22.1	0.6	8.80	36.83
PROPERTY LINE	0.36	6.1	0.0	N.A.	N.A.
UNDEFINED	1.16	11.2	0.0	N.A.	N.A.
UNDER CANOPY	50.13	62	33	1.52	1.88

LUMINAIRE LOCATION SUMMARY		
LUM. NO.	LABEL	MTG. HT.
1	A2	18
2	A2	18
3	A2	18
4	A3	18
5	A3	18
6	A3B	18
7	A3B	18
8	A3B	18
9	A3B	18
10	A3B	18
11	A3B	18
12	A4-2	18
13	A4B	18
14	A4B	14.5
15	A4B	18
16	A4B	18
17	CAN	15.5
18	CAN	15.5
19	CAN	15.5
20	CAN	15.5
21	CAN	15.5
22	CAN	15.5
23	CAN	15.5
24	CAN	15.5
25	CAN	15.5
26	CAN	15.5
27	CAN	15.5
28	CAN	15.5
29	CAN	15.5
30	CAN	15.5
31	CAN	15.5
32	CAN	15.5
33	CAN	15.5
34	CAN	15.5
35	CAN	15.5
36	CAN	15.5
37	CAN	15.5
38	CAN	15.5
39	CAN	15.5
40	CAN	15.5
41	CAN	15.5
42	CAN	15.5
43	CAN	15.5
44	CAN	15.5
45	WP1	14.5
46	WP1	14.5
47	WP2	14.5
48	WP2	14.5
49	WP3	9
50	WP3	9
51	WP3	9
52	WP4	14.5
53	WP4	14.5
54	WP4	14.5
55	WP4	14.5
56	WP4	14.5
57	WP4	14.5

LUMINAIRE SCHEDULE											
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	DIMMING LUMEN MULTIPLIER	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
[Symbol]	3	A2	Single	16099	1.020	1.000	B3-U0-G3	104	312	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-2M-UL-NM-XX
[Symbol]	2	A3	Single	16100	1.020	1.000	B3-U0-G3	104	208	Cree Lighting	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX
[Symbol]	6	A3B	Single	12699	1.020	1.000	B2-U0-G2	104	624	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-3M-UL-NM-XX + OSQ-BLSMF
[Symbol]	1	A4-2	Back-Back	16098	1.020	1.000	B3-U0-G3	104	208	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-4M-UL-NM-XX
[Symbol]	4	A4B	Single	12349	1.020	1.000	B2-U0-G2	104	416	Cree Inc	OSQ-ML-B-XX-XX + OSQM-B-16L-57K7-4M-UL-NM-XX + OSQ-BLSMF
[Symbol]	28	CAN	Single	14015	1.010	1.000	B3-U0-G1	86.4	2419.2	Cree Lighting	CPY250-C-13L-57K7-F-UL-DM-XX
[Symbol]	2	WP1	Single	2490	1.020	0.200	B1-U0-G1	4.94	9.88	Cree Inc	XSPW-B-WM-2ME-2L-40K-UL-XX (SET @ 1.0V)
[Symbol]	2	WP2	Single	2490	1.020	0.200	B1-U0-G1	4.94	9.88	Cree Inc	XSPW-B-WM-4ME-2L-40K-UL-XX (SET @ 1.0V)
[Symbol]	3	WP3	Single	6100	1.020	1.000	B2-U0-G2	47	141	Cree Inc	XSPW-B-WM-4ME-6L-40K-UL-XX
[Symbol]	6	WP4	Single	8873	1.020	1.000	B2-U0-G2	70.82	424.92	Cree Inc	XSPW-B-WM-4ME-8L-40K-UL-XX

REDLEONARD ASSOCIATES
1340 Kemper Meadow Dr. Forest Park, OH 45420
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REV.	BY	DATE	DESCRIPTION

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SCALE: LAYOUT BY:
1" = 30' FNN
DWG SIZE: DATE:
D 10/3/22

PROJECT NAME:
CIRCLE K
ANGIER, NC
DRAWING NUMBER:
RL-8373-S1



AREA

CANOPY

WALL MOUNTED

