

Plotted By: Brown, Allison (Raleigh). Sheet Set: NEW_JERUSALEM CHURCH Layout: C-001 COVER SHEET August 02, 2024 03:39:49pm. K:\RAL_DEV\016675000_new_jerusalem church\08_new_jerusalem church\C-001 COVER SHEET.dwg
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NEW JERUSALEM CHURCH

ADDRESS

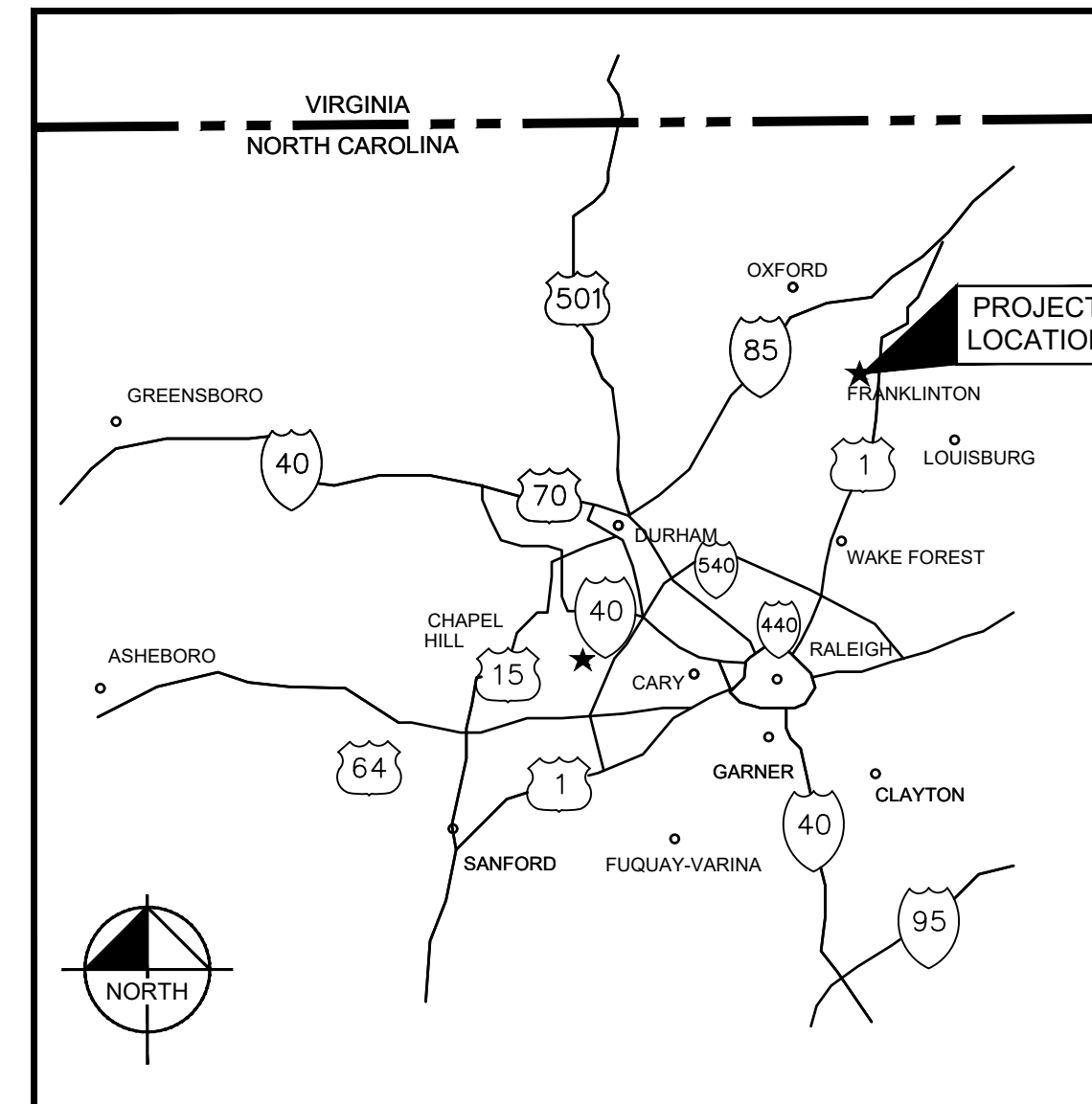
FRANKLINTON, NORTH CAROLINA 27525

A DEVELOPMENT BY:

THE NEW JERUSALEM CHURCH OF OUR LORD
JESUS CHRIST, INC.

SITE DATA TABLE	
SITE AREA	12.54 AC 546,242 SQFT
TOTAL AREA DISTURBED	7.35 AC 320,038 SQFT
CURRENT ZONING	AR
TAX MAP NUMBER	025411
PIN #	1866-16-8836
STREET ADDRESS	FRANKLINTON, NC 27525
GROSS FLOOR AREA	44,000 SF
BUILDING LOT COVERAGE (EXISTING AND PROPOSED)	EXISTING: 0% PROPOSED: 8.05%
BUILDING HEIGHT (EXISTING AND PROPOSED) IN FEET	EXISTING: N/A PROPOSED: 26'
PROPOSED BUILDING STORIES	1 STORY
TOTAL NUMBER OF PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 230 SPACES PROPOSED: 250 SPACES
TOTAL NUMBER OF HANDICAP PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 7 PROPOSED: 12
TOTAL NUMBER OF BICYCLE PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 14 PROPOSED: 16
TOTAL IMPERVIOUS AREA (EXISTING AND PROPOSED)	EXISTING IMPERVIOUS: 0.05 AC / 2,090 SQFT / 0.38% PROPOSED IMPERVIOUS: 3.71 AC / 161,527 SQFT / 29.57% TOTAL IMPERVIOUS: 3.76 AC / 163,617 SQFT / 29.95%
REQUIRED SETBACK	PUBLIC/Private STREET: 20'

SHEET LIST TABLE	
Sheet Number	Sheet Title
C-001	COVER SHEET
C-002	GENERAL NOTES
C-100	EXISTING CONDITIONS AND DEMOLITION PLAN
C-200	EROSION CONTROL PHASE 1
C-201	EROSION CONTROL PHASE 2
C-300	OVERALL SITE PLAN
C-301	ENLARGED SITE PLAN
C-400	GRADING AND DRAINAGE PLAN
C-401	WET POND DETAIL
C-402	WET POND DETAIL
C-500	UTILITY PLAN
C-501	EROSION CONTROL DETAILS
C-602	EROSION CONTROL DETAILS
C-603	EROSION CONTROL DETAILS
C-604	EROSION CONTROL DETAILS
C-605	SITE DETAILS
C-606	SITE DETAILS
C-607	SITE DETAILS
C-608	UTILITY DETAILS
C-609	UTILITY DETAILS
C-610	UTILITY DETAILS
C-611	STORM DETAILS
C-612	STORM DETAILS
L-100	LANDSCAPE PLAN
L-101	WET POND PLANTING PLAN
L-200	LANDSCAPE DETAILS
A-100	ARCHITECTURAL ELEVATIONS



PROJECT LOCATION MAP

SCALE: NOT TO SCALE



VICINITY MAP

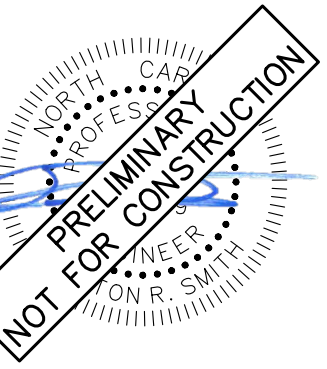
SCALE: NOT TO SCALE

PROJECT OWNERS & CONSULTANTS

OWNER/DEVELOPER THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC. 4446 ROLLER COURT RALEIGH, NC 27604 CONTACT: PHILLIP WHITE PHONE: (252) 767-1011 EMAIL: PHILLIPWHITE65@GMAIL.COM	LANDSCAPE ARCHITECT KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., STE 600 RALEIGH, NC 27601 CONTACT: RICHARD BROWN PHONE: (919) 653-2976 EMAIL: RICHARD.BROWN@KIMLEY-HORN.COM	ARCHITECT ARMISTEAD ARCHITECTURAL DESIGN, PC 3206 HERITAGE TRADE DRIVE, SUITE 108 WAKE FOREST, NORTH CAROLINA 27587 CONTACT: JOE ARMISTEAD PHONE: (919) 554-1505 EMAIL: JOE@2DESIGNPC.COM
CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 421 FAYETTEVILLE ST., STE 600 RALEIGH, NC 27601 CONTACT: ASHTON SMITH PHONE: (984) 275-3905 EMAIL: ASHTON.SMITH@KIMLEY-HORN.COM	SURVEYOR WILLIAM T. DEMENT, JR. 102 WEST NASH STREET LOUISBURG, NC 27549 CONTACT: WILLIAM T. DEMENT, JR. PHONE: (919) 496-6159 EMAIL:	

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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601



KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

COVER SHEET

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC



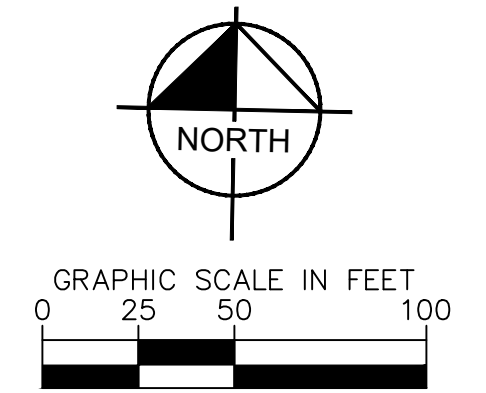
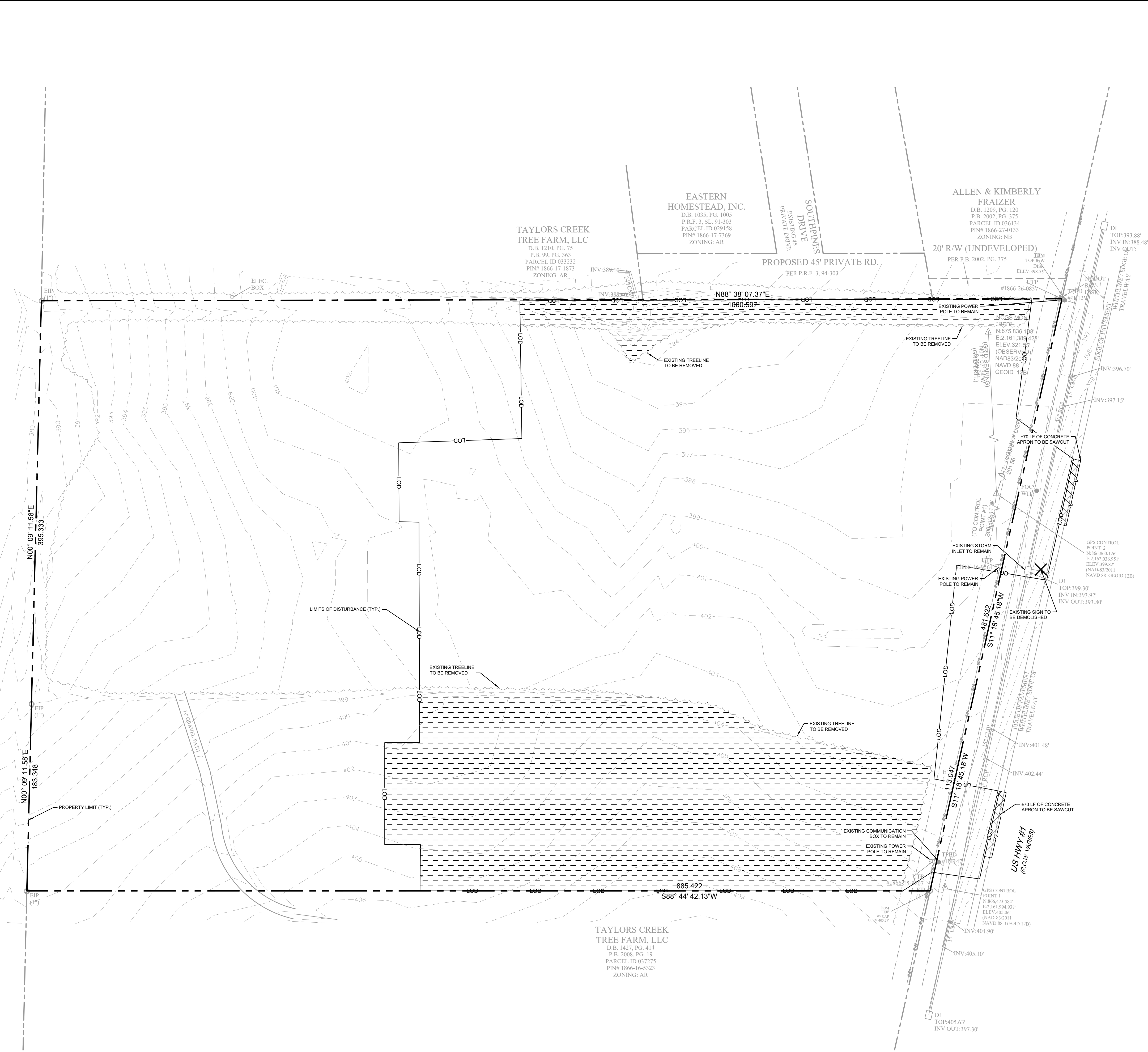
Know what's below.
Call before you dig.

SHEET NUMBER
C-001

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	8/1/2024	ALB
2			
3			
4			
5			
6			

Plotted By: Brown, Allison (Raleigh). Sheet Set: NEW_JERUSALEM CHURCH_LAYOUT\C-100 DEMOLITION PLAN August 02, 2024. 03:40:02pm. K:\REAL_LDEV\016675000_new_jerusalem church\08_cad files\alibates\C-100 DEMOLITION PLAN.dwg
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TAYLORS CREEK TREE FARM, LLC
 D.B. 1059, PG. 46
 P.B. N/A, PG. N/A
 PARCEL ID 007014
 PIN# 1856-86-9358
 ZONING: AR



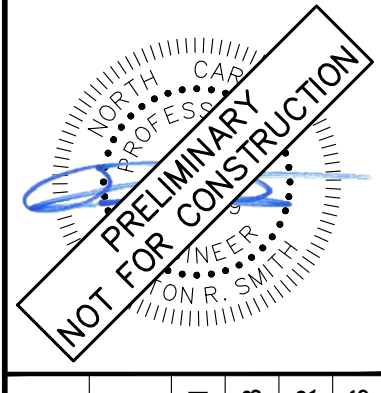
EXISTING CONDITIONS LEGEND

	PROPERTY LINE
	ADJACENT PROPERTY LINE
	EXISTING CONTOUR
	DEMOLISH LINEAR SITE ITEM
	SAWCUT
	PROPOSED TREELINE
	EXISTING TREELINE
	OVERHEAD ELECTRIC
	SANITARY SEWER LINE
	POWER POLE
	DEMOLISH SITE ITEM
	SANITARY SEWER CLEANOUT
	SIDEWALK/PAVEMENT TO BE REMOVED
	CLEARING LIMIT

- DEMOLITION NOTES**
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF FRANKLINTON TO OBTAIN ALL NECESSARY DEMOLITION PERMITS PRIOR TO THE START OF ANY DEMOLITION WORK.
 - THE ITEMS IDENTIFIED FOR DEMOLITION ARE INTENDED TO AID THE CONTRACTOR. THE ITEMS IDENTIFIED MAY NOT INCLUDE ALL ASPECTS OF DEMOLITION REQUIRED TO CONSTRUCT THE PROPOSED IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY DEMOLITION TO CONSTRUCT THE PROPOSED IMPROVEMENTS.
 - CLEAR VEGETATION TO LIMITS SHOWN ON PLAN.
 - THE LOCATIONS OF EXISTING UTILITIES, STORM DRAINAGE STRUCTURES, AND OTHER ABOVE AND BELOW GRADE APPURTENANCES ARE APPROXIMATE AS SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE, AND INVERT ELEVATIONS OF SUCH PRIOR TO BEGINNING CONSTRUCTION.
 - INSTALL ALL EROSION CONTROL MEASURES PRIOR TO BEGINNING CONSTRUCTION.
 - REFER TO C-201 AND C-202 FOR CONSTRUCTION SEQUENCING.
 - NO SOIL DISTURBANCE, SOIL COMPACTION, CONSTRUCTION MATERIALS, OR CONSTRUCTION TRAFFIC ALLOWED BEYOND THE TREE PROTECTION BARRICADES OR WITHIN TREE PROTECTION ZONE.
 - TREE PROTECTION BARRICADES MUST BE INSTALLED PRIOR TO ANY GRADING, DEMOLITION, OR CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL PROJECT IS COMPLETED.
 - ANY UNUSED WATER OR SEWER SERVICE SHALL BE ABANDONED IN THE PRESENCE OF A GUC INSPECTOR. CALL 252-551-1551 TO SCHEDULE INSPECTION OF ABANDONMENT.

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

EXISTING CONDITIONS AND DEMOLITION PLAN

NEW JERUSALEM CHURCH
 PREPARED FOR
THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

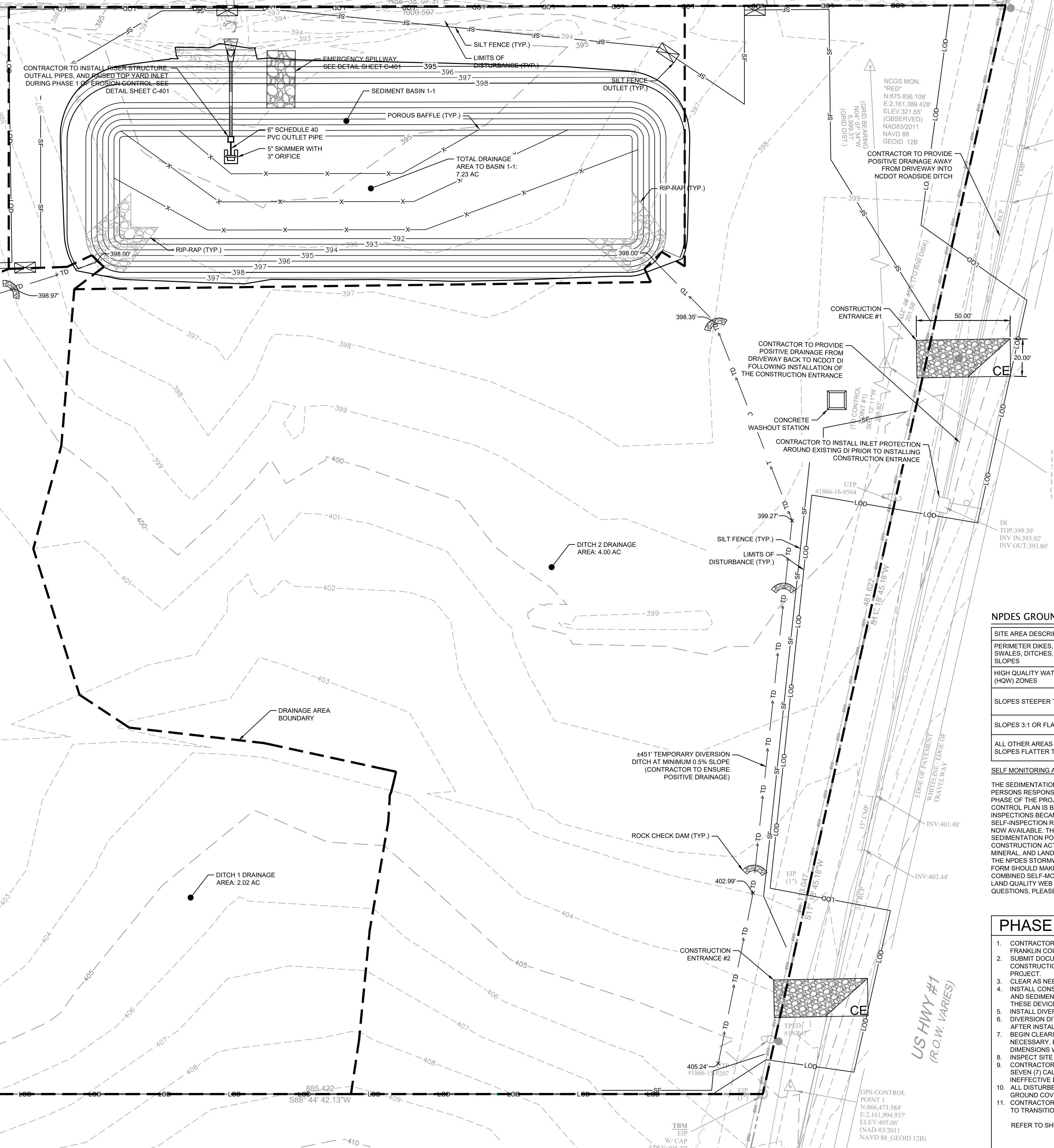
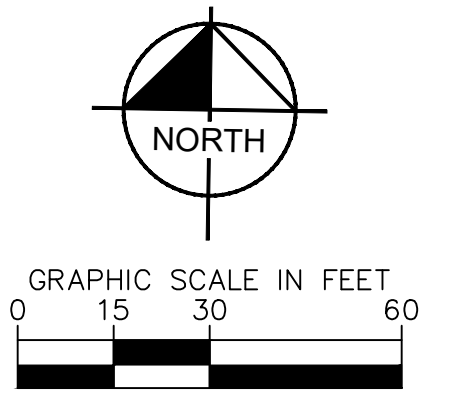


Plotted By: Brown, Allison (Release) Sheet No: NEW_JERUSALEM CHURCH_LAYOUT C-200 EROSION CONTROL PHASE 1 August 02, 2024 03:40:15pm K:\RAJ_LDE\016675000_new\initial\church\08_cad\file\plan\sheet\C-200 EROSION CONTROL PHASE 1.dwg
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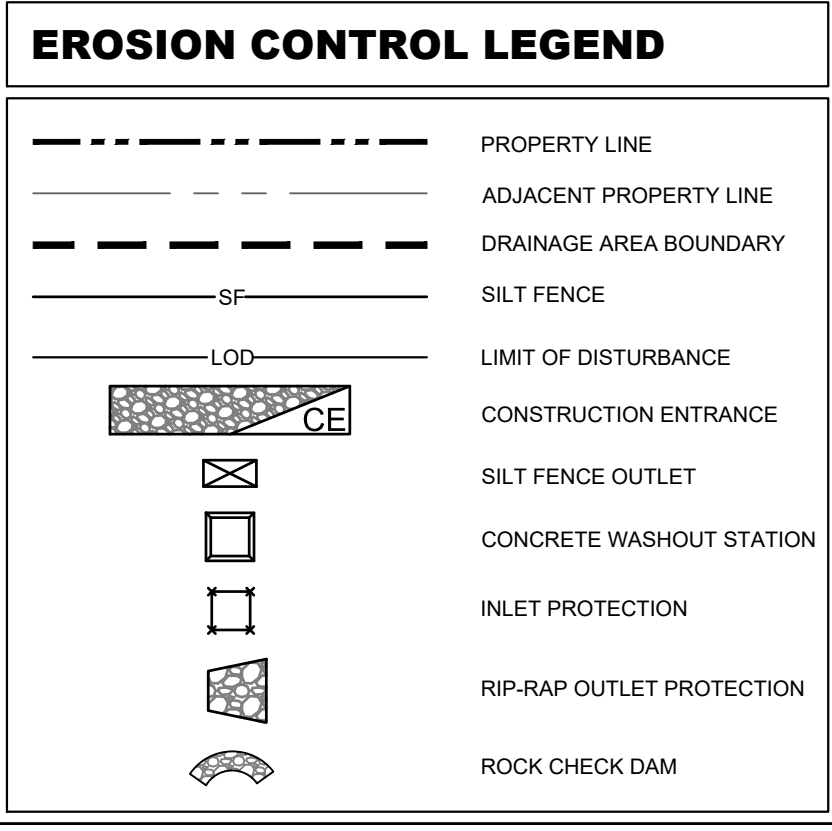
D.B. 1210, PG. 75
 P.B. 99, PG. 365
 PARCEL ID 033232
 PIN# 1866-17-1873
 ZONING: AR

PROPOSED 45' PRIVATE RD.
 PER P.R.F. 3, 94-303

20' R/W (UNDEVELOPED)
 PER P.B. 2002, PG. 375



Skimmer Basin 1-1	
DESIGN INFORMATION	
TOTAL DRAINAGE AREA	7.44 AC
TOTAL DISTURBED AREA	7.44 AC
Tc	5 MIN
RATIONAL C	0.60
DESIGN STORM INTENSITY	8.09 IN/HR
PEAK FLOW	38.11 CFS
DESIGN CALCULATIONS	
SURFACE AREA REQUIRED	11,727 SF
SURFACE AREA PROVIDED	23,234 SF
VOLUME REQUIRED	13,382 CF
VOLUME PROVIDED	51,692 CF
DEWATERING TIME	2.75 DAYS
SKIMMER SIZE	4.00 IN
SKIMMER ORIFICE DIAMETER	3.75 IN
BASIN GEOMETRY	
BOTTOM OF BASIN	11160 392.0
PRIMARY SPILLWAY ELEVATION	23234 395.0
EMERGENCY SPILLWAY ELEVATION	25446 396.0
TOP OF DAM	27714 398.0
SKIMMER DESIGN	
SKIMMER SIZE	4IN
HEAD ON SKIMMER	0.333FT
ORIFICE SIZE	3.75IN
DEWATERING TIME	2.75DAYS



- ### NOTES
- REFER TO EXISTING CONDITIONS AND DEMOLITION PLANS.
 - ALL CONSTRUCTION SHALL COMPLY WITH LOCAL AND NCDCEQ STANDARDS AND SPECIFICATIONS.
 - 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.
 - STABILIZE DISTURBED AREAS WITH TEMPORARY VEGETATION. DENuded AREAS MUST BE SEEDED WITHIN FOURTEEN (14) DAYS OF COMPLETION OF ANY PHASE OF CONSTRUCTION.
 - 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.
 - WHERE POSSIBLE, EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE ADEQUATE TO MAINTAIN SEDIMENT ON SITE.
 - ALL EXCAVATED SOILS NOT NEEDED ON SITE FOR BACKFILL OPERATIONS SHALL BE TAKEN OFF SITE AND LEGALLY DISPOSED OF.
 - PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SOIL FROM GETTING OFF SITE OR INTO EXISTING DRAINAGE STRUCTURES. SOIL PILES AND CONTRACTOR STAGING AND MATERIALS LAY DOWN AREAS SHOULD BE A MINIMUM OF 50' AWAY FROM ANY STORM DRAIN OR WATERCOURSE.
 - ALL EROSION CONTROL MEASURES AND DEVICES SHALL BE IN ACCORDANCE WITH STATE, LOCAL, AND US DEPARTMENT OF AGRICULTURE EROSION CONTROL REGULATIONS.
 - ALL DISTURBED AREAS WHERE WORK HAS CEASED SHALL BE STABILIZED WITHIN 14 DAYS UNLESS OTHERWISE NOTED.
 - ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY (7) CALENDAR DAYS OR AFTER EACH RAINFALL OCCURRENCE THAT EXCEEDS 1/8" INCH. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
 - THE CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE MUD BEING TRACKED FROM CONSTRUCTION AREAS TO PAVED ROADWAYS. THE CONTRACTOR SHALL REMOVE SOIL/MUD FROM THE PAVEMENT DAILY AS OFTEN AS MAY BE REQUIRED.
 - ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED FOR ADDITIONAL CONTRACTOR LAYDOWN AREA. CONTRACTOR TO COORDINATE WITH ENGINEER DURING CONSTRUCTION.
 - SILT FENCE AND TREE PROTECTION SHOWN ON PLANS ARE FOR REPRESENTATIVE PURPOSES. CONSTRUCT DIRECTLY ALONG THE CLEARING LIMITS WHERE APPLICABLE.
 - SILT FENCE OUTLETS ARE TO BE PROVIDED ALONG ALL LOW POINTS OF SILT FENCE AND AREAS WHERE RUNOFF MAY CONCENTRATE CAUSING DAMAGE TO SILT FENCE. CONTRACTOR TO INSTALL OUTLETS AS NECESSARY TO ENSURE SILT FENCE IS FULLY FUNCTIONAL THROUGHOUT THE DURATION OF CONSTRUCTION.

NPDES GROUND COVER REQUIREMENTS

SITE AREA DESCRIPTION	STABILIZATION	TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HQW ZONES

SELF MONITORING AND INSPECTION NOTIFICATION

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000, BEGINNING AUGUST 1, 2013. THE DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES IS RESPONSIBLE FOR ADMINISTERING BOTH THE SPCA AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE, [HTTP://PORTAL.NC DENR.ORG/WEB/EROSION](http://portal.ncdenr.org/web/erosion). IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDCEQ REGIONAL OFFICE.

LIMITS OF DISTURBANCE: 7.1 ACRES

- ### PHASE 1 CONSTRUCTION SEQUENCE
- CONTRACTOR TO SCHEDULE PRE-CONSTRUCTION CONFERENCE WITH NCDCEQ AND FRANKLIN COUNTY.
 - SUBMIT DOCUMENTATION REQUIRED UNDER THE SITE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY (NCG010000) TO STORMWATER INSPECTIONS THROUGHOUT PROJECT.
 - CLEAR AS NEEDED TO INSTALL PERIMETER EROSION CONTROL MEASURES.
 - INSTALL CONSTRUCTION ENTRANCE #1, INLET PROTECTION ON EXISTING DI, SILT FENCE AND SEDIMENT BASINS. DISTURBANCE SHALL BE LIMITED TO THE INSTALLATION OF THESE DEVICES ONLY.
 - INSTALL DIVERSION DITCHES.
 - DIVERSION DITCHES AND SEDIMENT BASIN SLOPES TO BE STABILIZED IMMEDIATELY AFTER INSTALLATION.
 - BEGIN CLEARING AND GRADING, MAINTAINING EROSION CONTROL MEASURES AS NECESSARY. EROSION CONTROL MEASURES SHALL BE RESTORED TO ORIGINAL DIMENSIONS WHEN SEDIMENT ACCUMULATES TO 50% OF DESIGN DEPTH.
 - INSPECT SITE ONCE A WEEK AND AFTER EVERY RAINFALL EVENT.
 - CONTRACTOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROL DEVICES EVERY SEVEN (7) CALENDAR DAYS AND AFTER EVERY RAINFALL EVENT. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPLACED IMMEDIATELY.
 - ALL DISTURBED AREA WHERE WORK HAS CEASED SHALL BE STABILIZED PER NPDES GROUND COVER REQUIREMENTS.
 - CONTRACTOR TO SET UP INSPECTION WITH STORMWATER CONTROL, INSPECTOR PRIOR TO TRANSITION TO PHASE 2.
- REFER TO SHEET C-201 FOR PHASE 2 OF THE CONSTRUCTION SEQUENCE.

Kimley»Horn
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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601

FRANKLIN COUNTY SUBMITTAL #2
 INITIAL SUBMITTAL TO FRANKLIN COUNTY
 8/1/2024
 ALB
 8/5/2024
 ALB
 DATE

NOT FOR CONSTRUCTION

KHA PROJECT
 016675000

DATE
 05/30/2024

SCALE
 AS SHOWN

DESIGNED BY
 ALB

DRAWN BY
 ELR

CHECKED BY
 ARS

EROSION CONTROL PHASE 1

NEW JERUSALEM CHURCH
 PREPARED FOR

THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.

FRANKLIN COUNTY NC

SHEET NUMBER
C-200

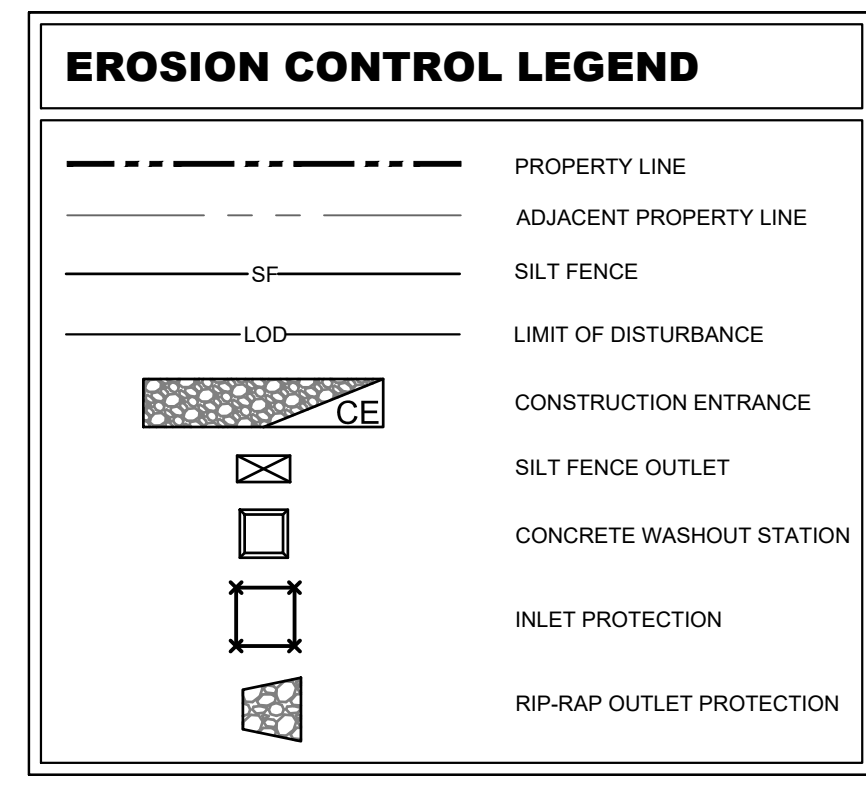
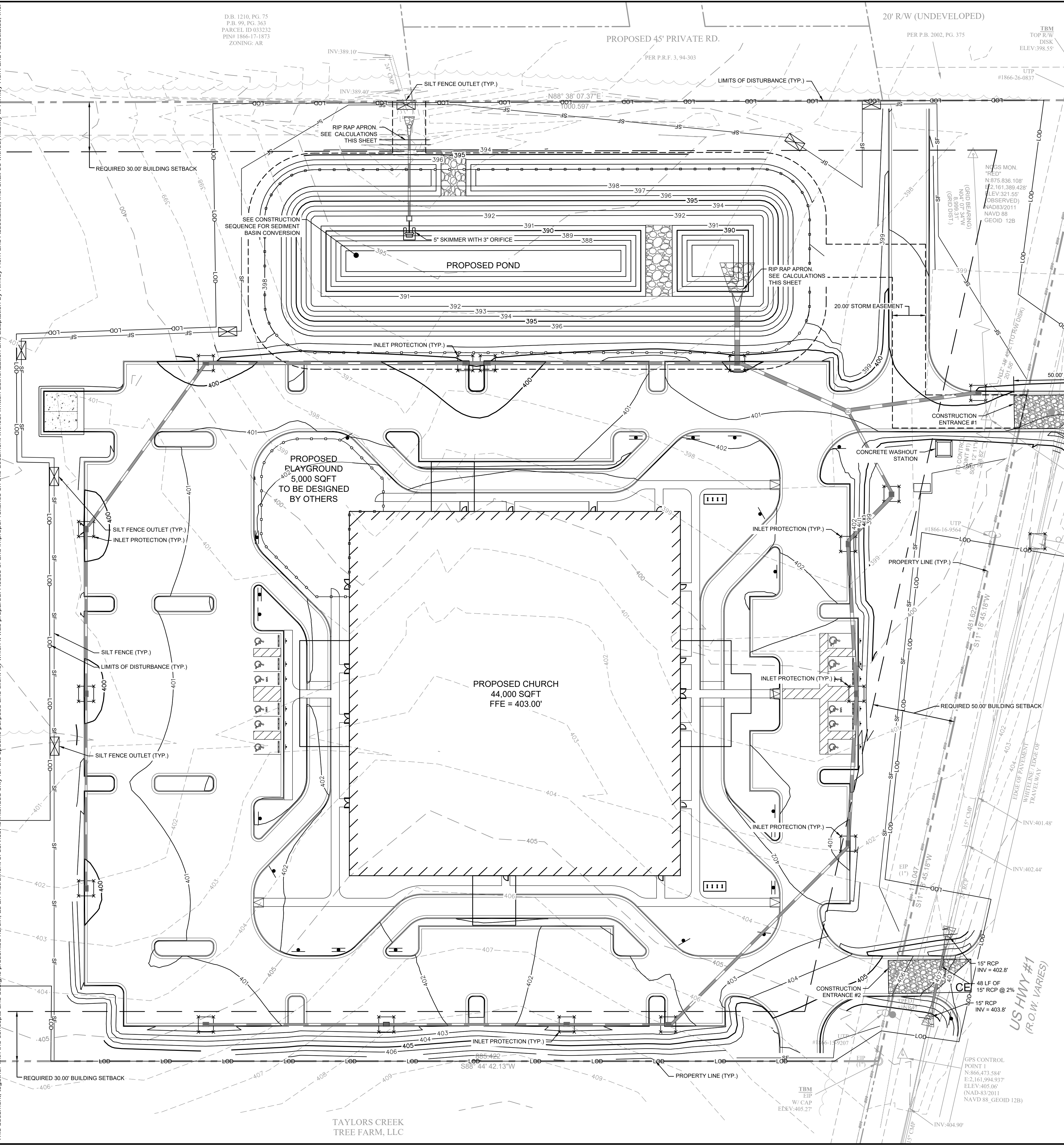
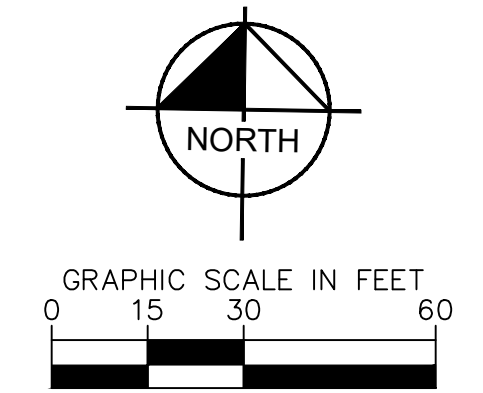
Know what's below.
 Call before you dig.

Plotted By: Brown, Allison (Released) Sheet Set: NEW_JERUSALEM CHURCH_LAYOUT C-201 EROSION CONTROL PHASE 2.dwg Date: 02/02/2024 03:40:31 pm K:\RALD_UDEV\016675000_new_jerusalemchurch\08_cad_files\allplan\sheetsets\C-201 EROSION CONTROL PHASE 2.dwg
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D.B. 1210, PG. 75
 P.B. 99, PG. 345
 PARCEL ID 033232
 PIN# 1866-17-1873
 ZONING: AR

PROPOSED 45' PRIVATE RD.
 PER P.B.F. 3, 94-303

20' R/W (UNDEVELOPED)
 PER P.B. 2002, PG. 375



- ### NOTES
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 - ALL EXCAVATED SOILS NOT NEEDED ON SITE FOR BACKFILL OPERATIONS SHALL BE TAKEN OFF SITE AND LEGALLY DISPOSED OF. PROVIDE EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SOIL FROM GETTING OFF SITE OR INTO EXISTING DRAINAGE STRUCTURES. SOIL PILES AND CONTRACTOR STAGING AND MATERIALS LAY DOWN AREAS SHOULD BE A MINIMUM OF 50' AWAY FROM ANY STORM DRAIN OR WATERCOURSE.
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 - THE CONTRACTOR SHALL TAKE NECESSARY ACTION TO MINIMIZE MUD BEING TRACKED FROM CONSTRUCTION AREAS TO PAVED ROADWAYS. THE CONTRACTOR SHALL REMOVE SOIL/MUD FROM THE PAVEMENT DAILY AS OFTEN AS MAY BE REQUIRED.
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NPDES GROUND COVER REQUIREMENTS

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ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE EXCEPT FOR PERIMETERS AND HQW ZONES

SELF MONITORING AND INSPECTION NOTIFICATION

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS BECAME EFFECTIVE OCTOBER 1, 2010. TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, A COMBINED FORM IS NOW AVAILABLE. THE NEW FORM WAS DEVELOPED TO SATISFY THE REQUIREMENTS OF THE SEDIMENTATION POLLUTION CONTROL ACT AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000, BEGINNING AUGUST 1, 2013. THE DIVISION OF ENERGY, MINERAL, AND LAND RESOURCES IS RESPONSIBLE FOR ADMINISTERING BOTH THE SPCA AND THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES, NCG 010000. THE COMBINED FORM SHOULD MAKE IT EASIER TO COMPLY WITH SELF-INSPECTION REQUIREMENTS. THE COMBINED SELF-MONITORING FORM IS AVAILABLE AS A PDF AND WORD DOCUMENT FROM THE LAND QUALITY WEB SITE. [HTTP://PORTAL.NCDENR.ORG/WEB/ILR/EROSION](http://portal.ncdenr.org/web/ILR/EROSION). IF YOU HAVE QUESTIONS, PLEASE CONTACT THE LAND QUALITY SECTION AT NCDQ REGIONAL OFFICE.

- ### PHASE 2 CONSTRUCTION SEQUENCE
- MAINTAIN CONSTRUCTION ENTRANCE #1, SILT FENCE, INLET PROTECTION, DIVERSION DITCHES, AND SEDIMENT BASIN.
 - CONTINUE GRADING SITE, MAINTAINING EROSION CONTROL MEASURES AS NECESSARY. INSTALL CONSTRUCTION ENTRANCE #2 AND DRIVEWAY PIPE.
 - BEGIN CONSTRUCTION OF STORM PIPES AND STRUCTURES. CONTINUE INSTALLATION OF STORM DRAINAGE PIPING FROM DOWNSTREAM END. INSTALL PIPE INLET PROTECTION ON STORM STRUCTURES AT DAYS END.
 - BEGIN INSTALLING UTILITIES.
 - CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL DEVICES EVERY SEVEN (7) CALENDAR DAYS AND AFTER EVERY RAINFALL EVENT. DAMAGED OR INEFFECTIVE DEVICES SHALL BE REPLACED IMMEDIATELY.
 - ALL DISTURBED AREA WHERE WORK HAS CEASED SHALL BE STABILIZED PER THE NPDES GROUND COVER REQUIREMENTS.
 - WHEN SITE CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, SET UP AN INSPECTION WITH THE NCDQ INSPECTOR. IF SITE IS APPROVED, REMOVED TEMPORARY DIVERSIONS, SEDIMENT STORAGE AREAS, AND INLET PROTECTION. SEED OUT OR STABILIZE ANY RESULTING BARE AREAS.
 - COORDINATE WITH LOCAL EROSION CONTROL AND STORMWATER INSPECTOR PRIOR TO CONVERTING THE SEDIMENT BASIN TO THE PERMANENT WETPOND. FOLLOWING CONFIRMATION FROM INSPECTOR, CONVERT SEDIMENT BASIN INTO WET POND. ACCUMULATED SEDIMENT MUST BE CLEANED OUT.
 - SURVEYED AS-BUILT DRAWINGS OF ALL STORMWATER DEVICES SHALL BE PROVIDED TO THE ENGINEER OF RECORD AND CERTIFICATION OBTAINED FROM NCDQ TO FRANKLIN COUNTY PRIOR TO ISSUANCE OF BUILDING C.O.
- REFER TO SHEET C-200 FOR PHASE 1 OF THE CONSTRUCTION SEQUENCE.

FRANKLIN COUNTY SUBMITTAL #2
 INITIAL SUBMITTAL TO FRANKLIN COUNTY
 8/1/2024
 05/2024

Kimley»Horn

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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050
 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601

NOT FOR CONSTRUCTION

KHA PROJECT	016675000	DATE	05/30/2024	SCALE	AS SHOWN
DESIGNED BY	ALB	DRAWN BY	ELR	CHECKED BY	ARS

EROSION CONTROL PHASE 2

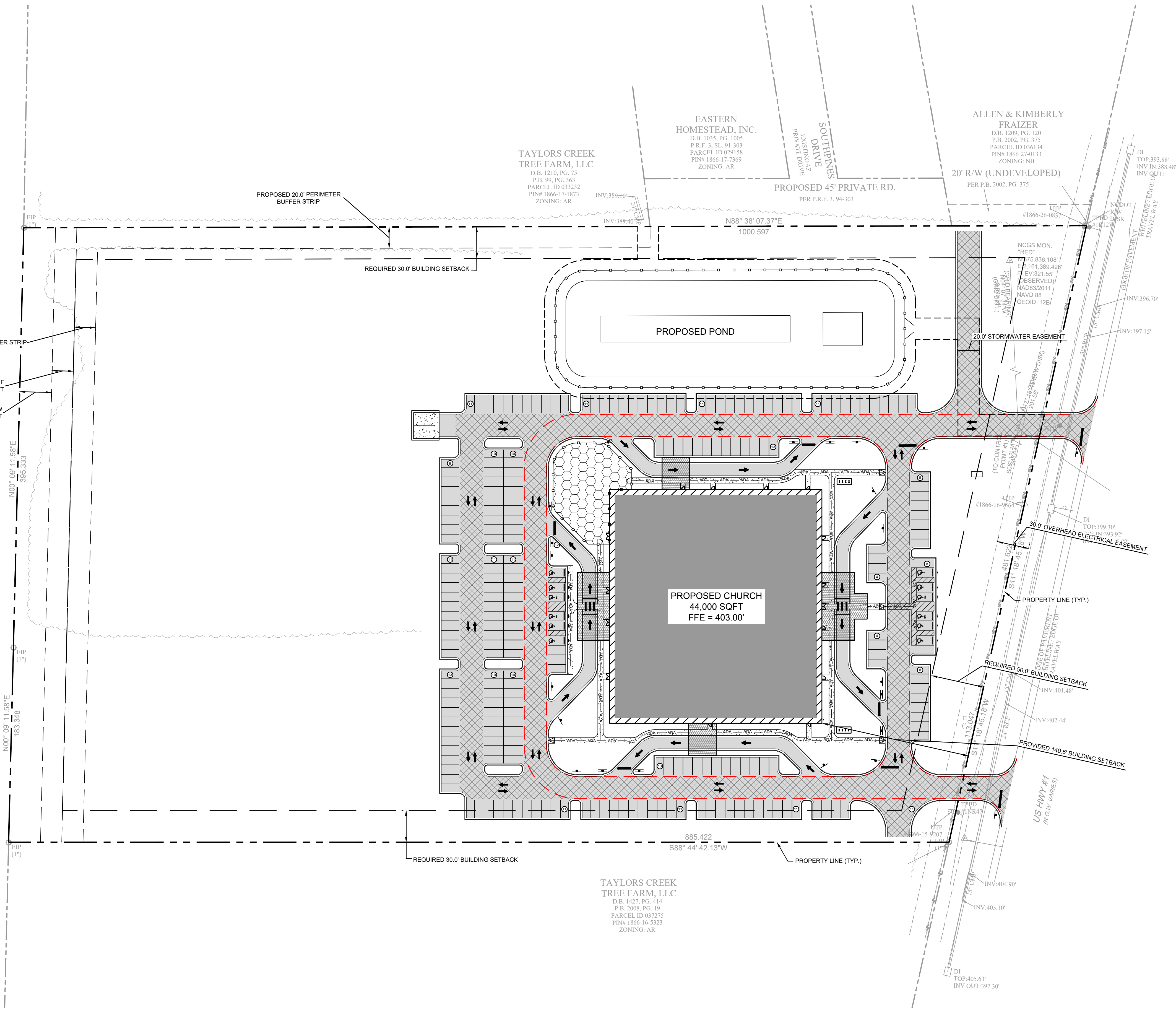
NEW JERUSALEM CHURCH PREPARED FOR THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.

FRANKLIN COUNTY NC

SHEET NUMBER
C-201

Plotted By: Brown, Allison (Rakelid). Sheet Set: NEW_JERUSALEM CHURCH Layout: C-300 OVERALL SITE PLAN August 02, 2024 09:40:37pm K:\RAL_LDEV\016675000_new_jerusalem_church\08_csd_files\plansheets\C-300 SITE PLAN.dwg
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TAYLORS CREEK TREE FARM, LLC
 D.B. 1059, PG. 46
 P.B. N/A, PG. N/A
 PARCEL ID 007014
 PIN# 1856-86-9358
 ZONING: AR



NORTH

GRAPHIC SCALE IN FEET
0 25 50 100

SITE LEGEND

	PROPERTY LINE
	BUILDING SETBACK
	FIRE LANE STRIPING
	EASEMENT LINE
	FENCE
	SAFETY RAIL
	STANDARD CURB AND GUTTER
	SPILL CURB AND GUTTER
	ACCESSIBLE ROUTE
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	ACCESSIBLE RAMP
	DEPRESSED CURB RAMP
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	BUILDING
	BUILDING CANOPY

SEE SHEET C-002 FOR GENERAL SITE NOTES.

SITE DATA TABLE

SITE AREA	12.54 AC 546,242 SQFT
TOTAL AREA DISTURBED	7.35 AC 320,038 SQFT
CURRENT ZONING	AR
TAX MAP NUMBER	025411
PIN #	1866-16-8836
STREET ADDRESS	FRANKLINTON, NC 27525
GROSS FLOOR AREA	44,000 SF
BUILDING LOT COVERAGE (EXISTING AND PROPOSED)	EXISTING: 0% PROPOSED: 8.05%
BUILDING HEIGHT (EXISTING AND PROPOSED) IN FEET	EXISTING: N/A PROPOSED: 28'
PROPOSED BUILDING STORIES	1 STORY
TOTAL NUMBER OF PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 230 SPACES PROPOSED: 250 SPACES
TOTAL NUMBER OF HANDICAP PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 7 PROPOSED: 12
TOTAL NUMBER OF BICYCLE PARKING SPACES (REQUIRED AND PROVIDED)	REQUIRED: 14 PROPOSED: 16
TOTAL IMPERVIOUS AREA (EXISTING AND PROPOSED)	EXISTING IMPERVIOUS: 0.05 AC 2,090 SQFT PROPOSED IMPERVIOUS: 3.71 AC 151,527 SQFT TOTAL IMPERVIOUS: 3.76 AC 163,617 SQFT
REQUIRED SETBACK	PUBLIC/Private STREET: 20'

- ### NOTES
- SHRUBS SHALL BE AT LEAST 3 GALLONS IN SIZE.
 - THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR THE CONTINUED PROPER MAINTENANCE OF ALL LANDSCAPING MATERIALS AND SHOULD KEEP THEM IN A PROPER, NEAT, AND ORDERLY APPEARANCE, FREE FROM REFUSE AND DEBRIS. ALL DEAD OR UNHEALTHY PLANT MATERIAL SHOULD IMMEDIATELY BE REPLACED TO MAINTAIN THE QUALITY OF THE LANDSCAPING. (ARTICLE 6.5.3.A.4)

Kimley Horn
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 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601

NOT FOR CONSTRUCTION

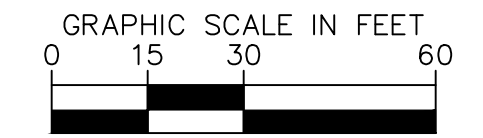
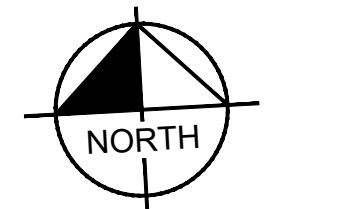
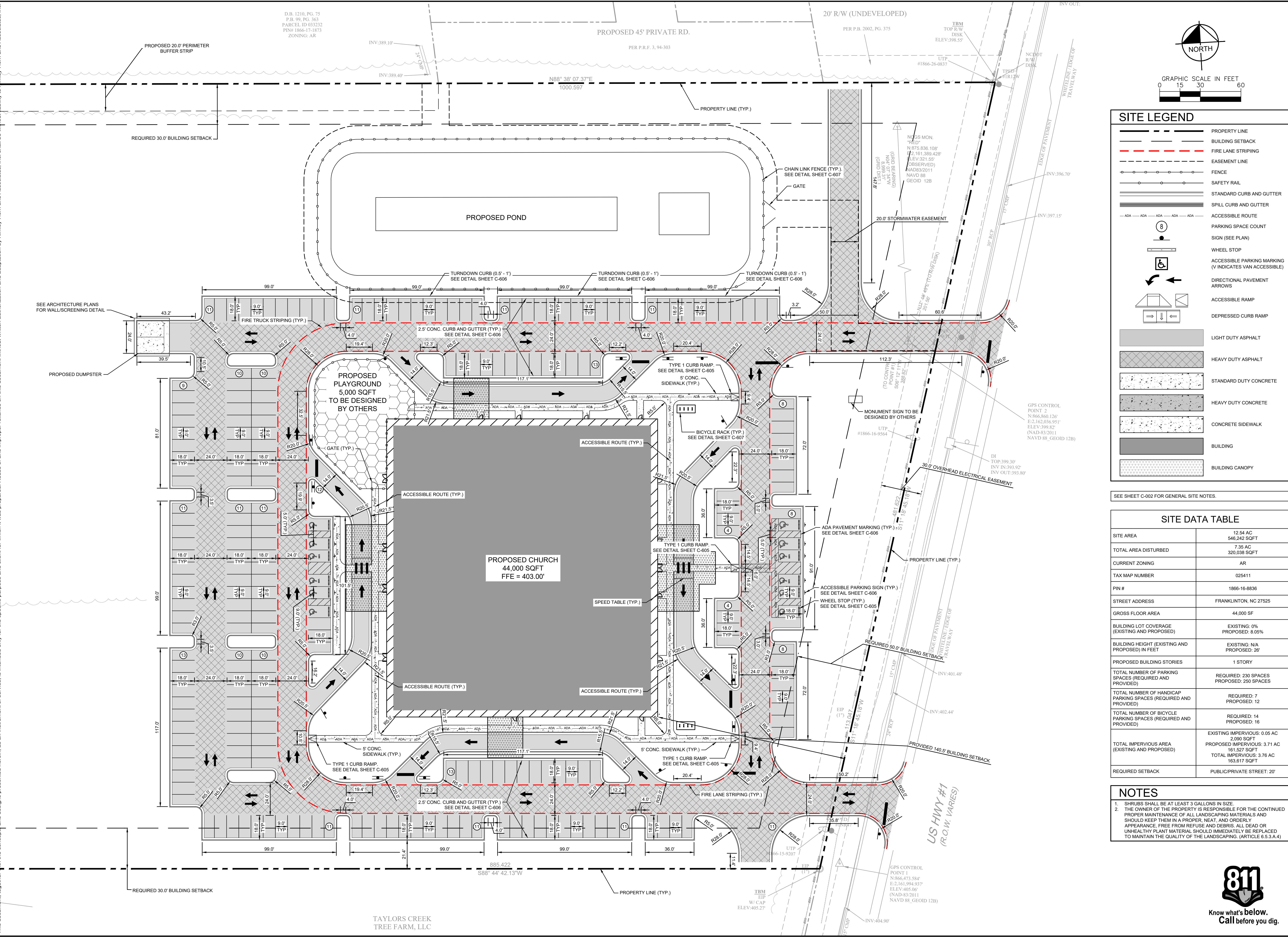
KHA PROJECT	016675000	DATE	05/30/2024	SCALE	AS SHOWN	DESIGNED BY	ALB	ELR	ELR	ARS
OVERALL SITE PLAN										
NEW JERUSALEM CHURCH PREPARED FOR THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.										
FRANKLIN COUNTY NC										
SHEET NUMBER C-300										

811
Know what's below. Call before you dig.

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

Plotted By: Brown, Allison (Rakard), Sheet Set: NEW_JERUSALEM CHURCH - ENLARGED SITE PLAN - August 02, 2024, 03:40:42pm, K:\BAL_LDEV\016675000_new_jerusalem_church\08_cad_files\plansheets\C-300 SITE PLAN.dwg
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D.B. 1210, PG. 75
 P.B. 99, PG. 363
 PARCEL ID 033232
 PIN# 1866-17-1873
 ZONING: AR



SITE LEGEND	
	PROPERTY LINE
	BUILDING SETBACK
	FIRE LANE STRIPING
	EASEMENT LINE
	FENCE
	SAFETY RAIL
	STANDARD CURB AND GUTTER
	SPILL CURB AND GUTTER
	ACCESSIBLE ROUTE
	PARKING SPACE COUNT
	SIGN (SEE PLAN)
	WHEEL STOP
	ACCESSIBLE PARKING MARKING (V INDICATES VAN ACCESSIBLE)
	DIRECTIONAL PAVEMENT ARROWS
	ACCESSIBLE RAMP
	DEPRESSED CURB RAMP
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	STANDARD DUTY CONCRETE
	HEAVY DUTY CONCRETE
	CONCRETE SIDEWALK
	BUILDING
	BUILDING CANOPY

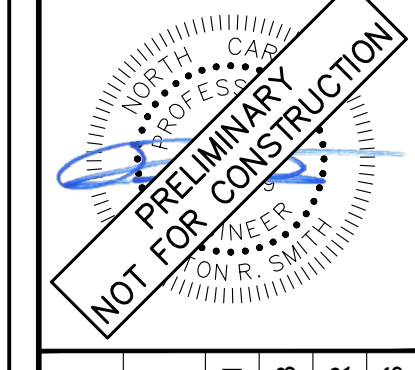
SEE SHEET C-002 FOR GENERAL SITE NOTES.

SITE DATA TABLE	
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TOTAL AREA DISTURBED	7.35 AC 320,038 SQFT
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STREET ADDRESS	FRANKLINTON, NC 27525
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BUILDING LOT COVERAGE (EXISTING AND PROPOSED)	EXISTING: 0% PROPOSED: 8.05%
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REQUIRED SETBACK	PUBLIC/Private STREET: 20'

- NOTES**
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NO.	REVISIONS	DATE
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024
3		
4		
5		
6		

Kimley»Horn
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 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601



KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

ENLARGED SITE PLAN

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY, NC

SHEET NUMBER
C-301



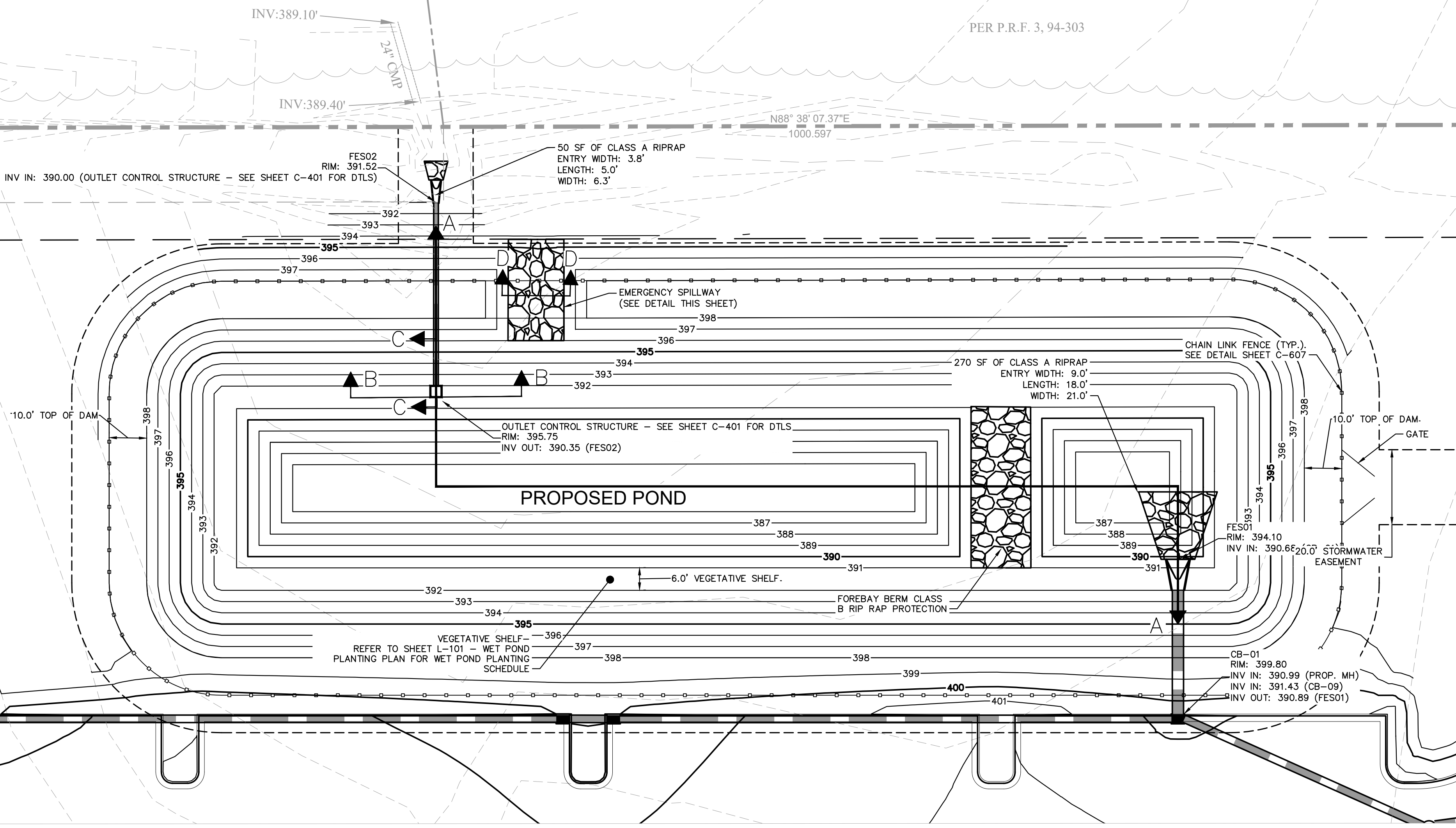
TAYLORS CREEK TREE FARM, LLC

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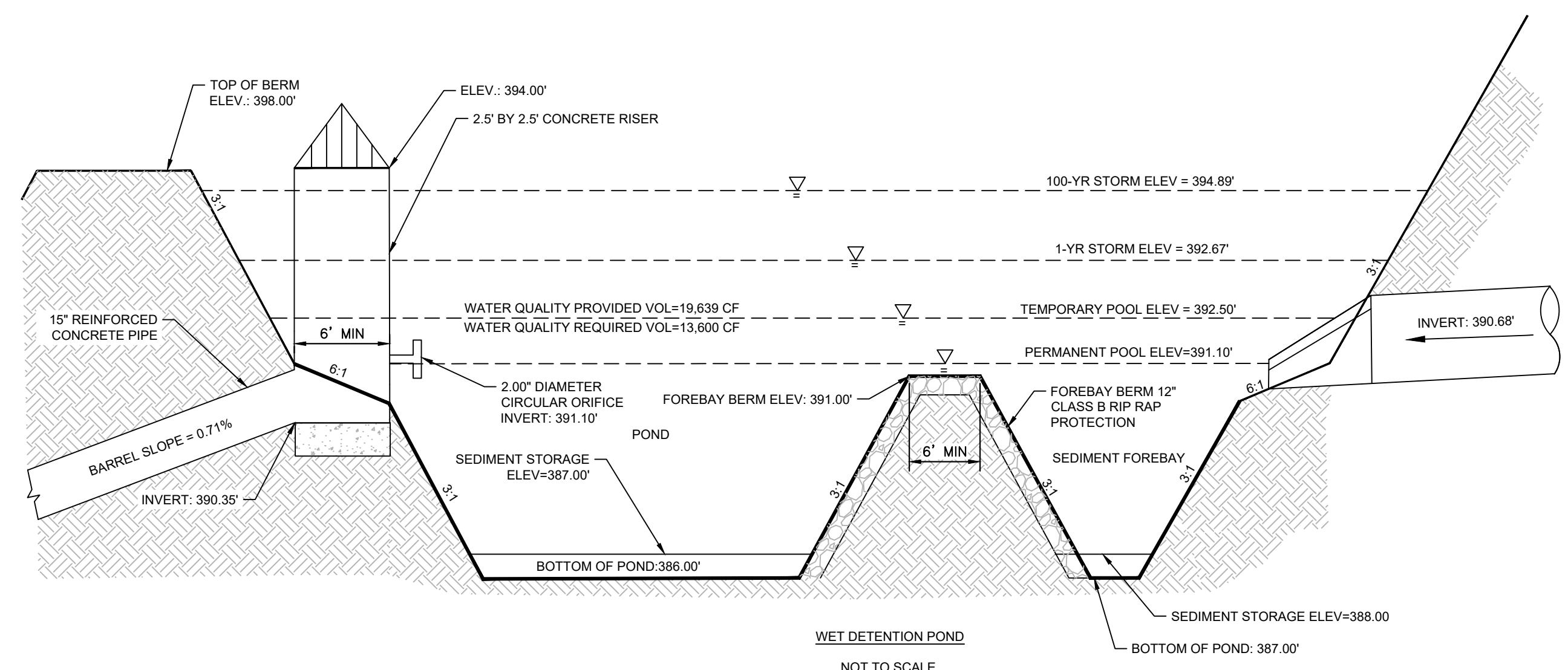
PARCEL ID 035232
PIN# 1866-17-1873
ZONING: AR

PROPOSED 45' PRIVATE RD.

PER P.R.F. 3, 94-303

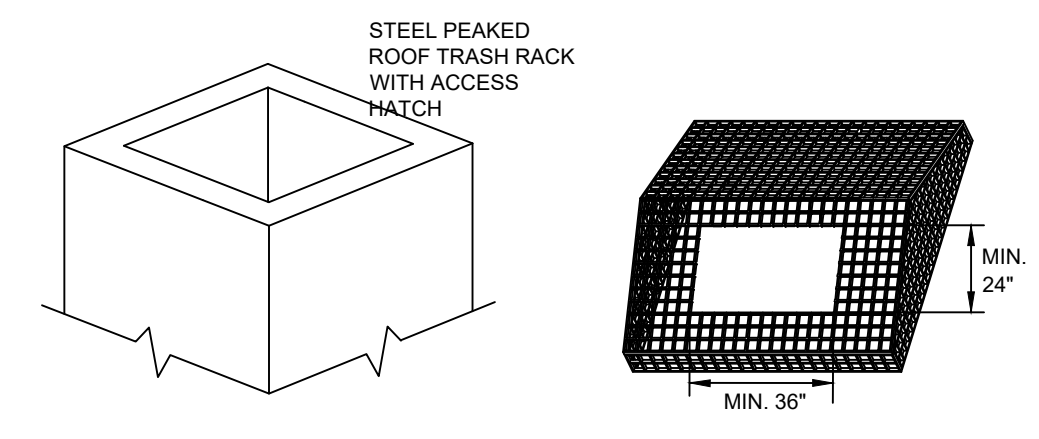


WET POND PLAN VIEW



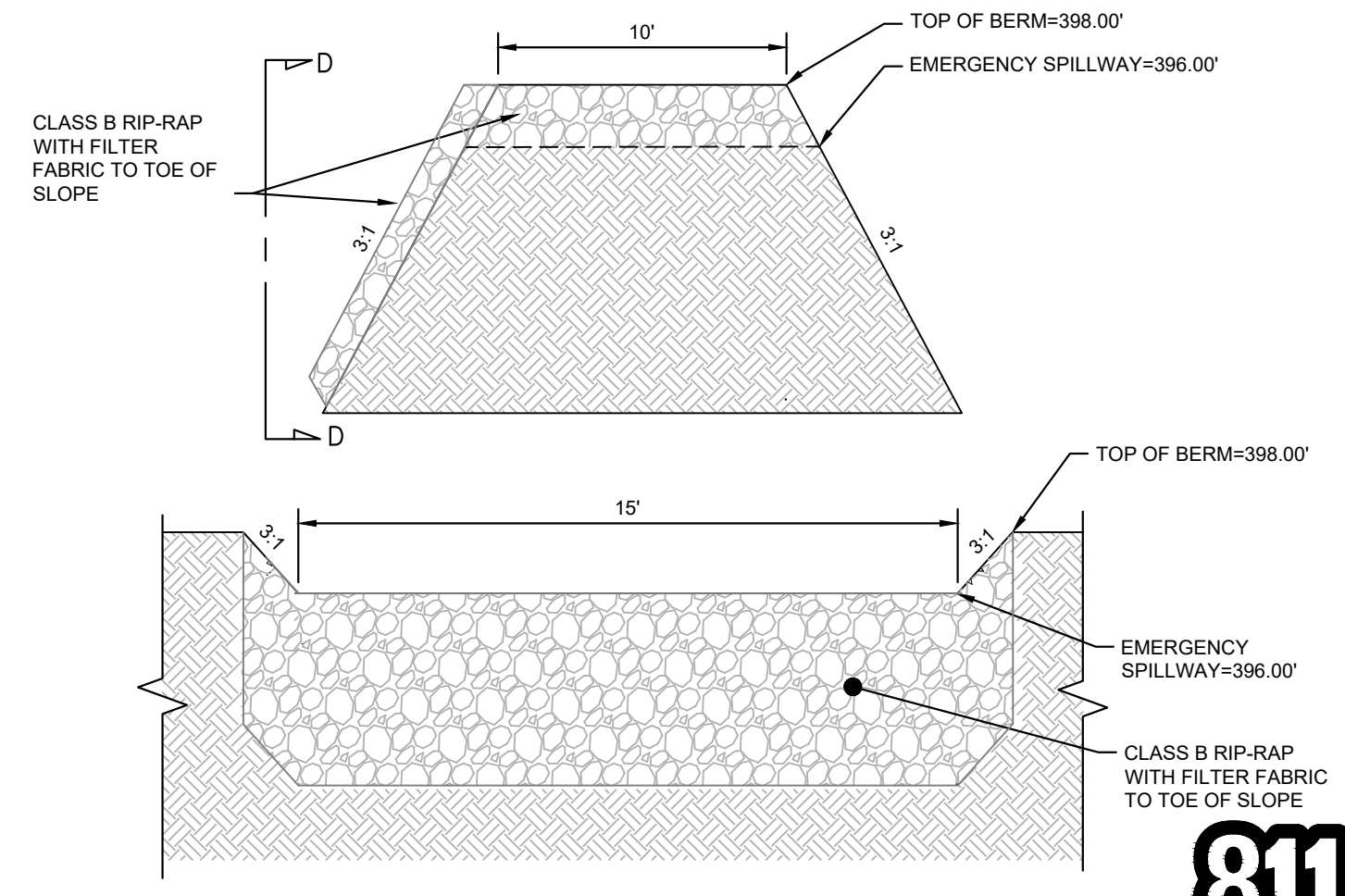
SECTION A-A

NOTE:
UPON CONVERSION OF THE SEDIMENT BASIN TO WET DETENTION POND, THE DEVICE MUST BE CLEANED OUT AND RETURNED TO THE DESIGN STATE.



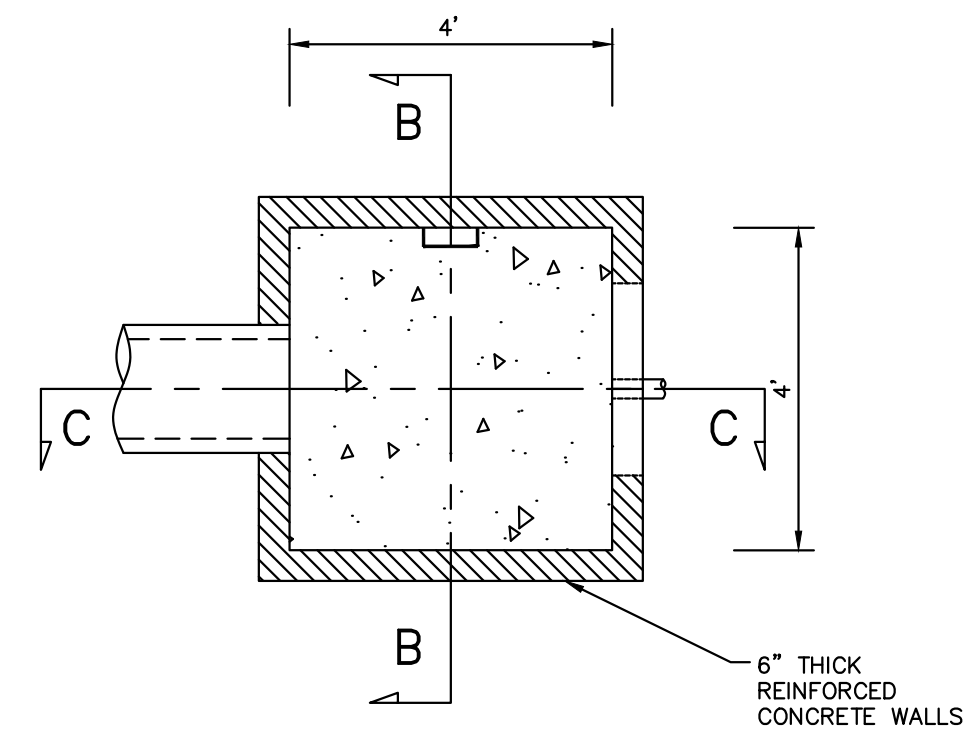
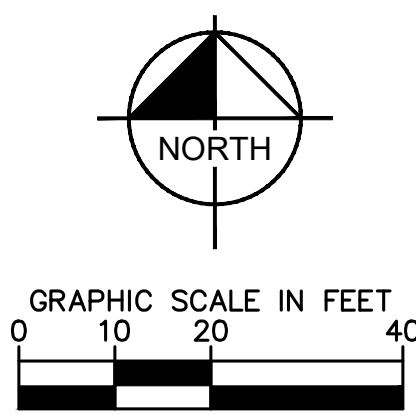
TRASH RACK DETAIL

- NOTES:
- MUST HAVE A MINIMUM ROOF SLOPE OF 2:1.
 - SHALL INCLUDE AN ACCESS HATCH WITH A MINIMUM CLEAR SPACE OPENING OF 2'x3'.
 - THE ACCESS HATCH SHALL ALIGN WITH THE ACCESS STEPS INSIDE THE STRUCTURE.
 - HATCH MAY BE SECURED BY LOCK AND CHAIN.
 - SHALL BE BOLTED TO THE TOP OF THE STRUCTURE (BOLTS IN SHEAR SHALL BE PROHIBITED).
 - SHALL BE GALVANIZED PRIMED OR PAINTED.
 - BOLTS SHALL BE STAINLESS STEEL.

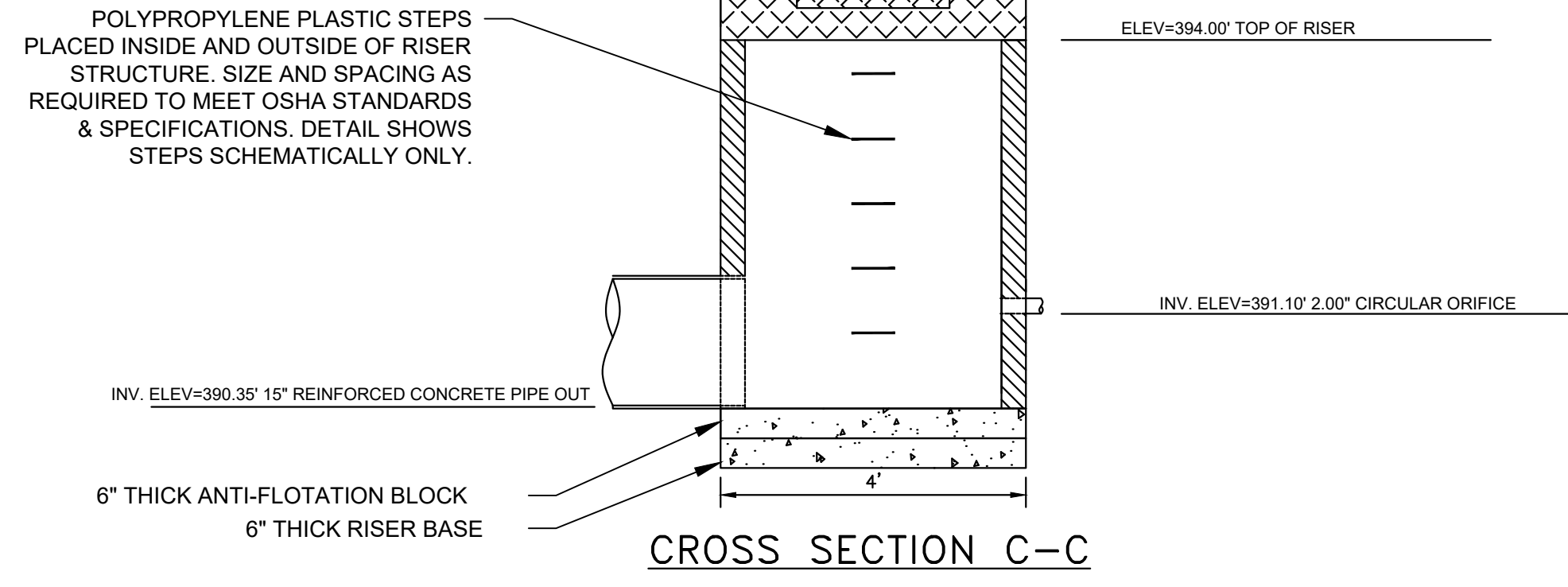
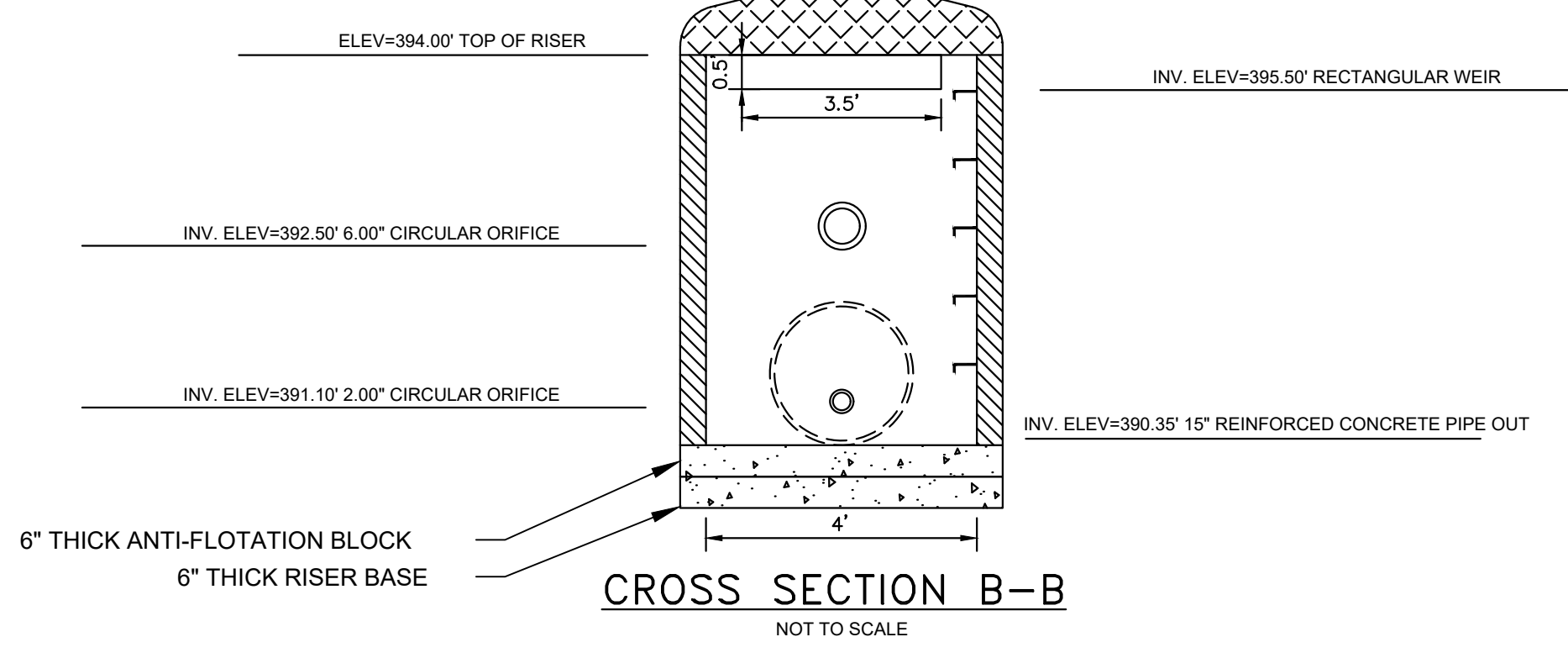


SECTION D-D

EMERGENCY SPILLWAY DETAIL



CROSS SECTION B-B



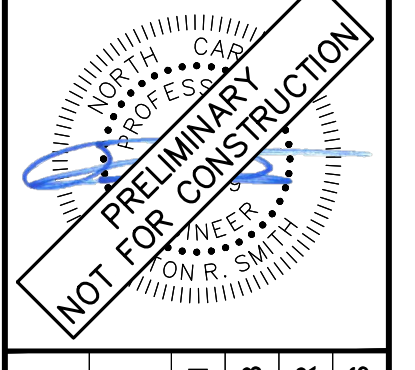
CROSS SECTION C-C

CS-01 RISER CONTROL STRUCTURE

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

WET POND DETAIL

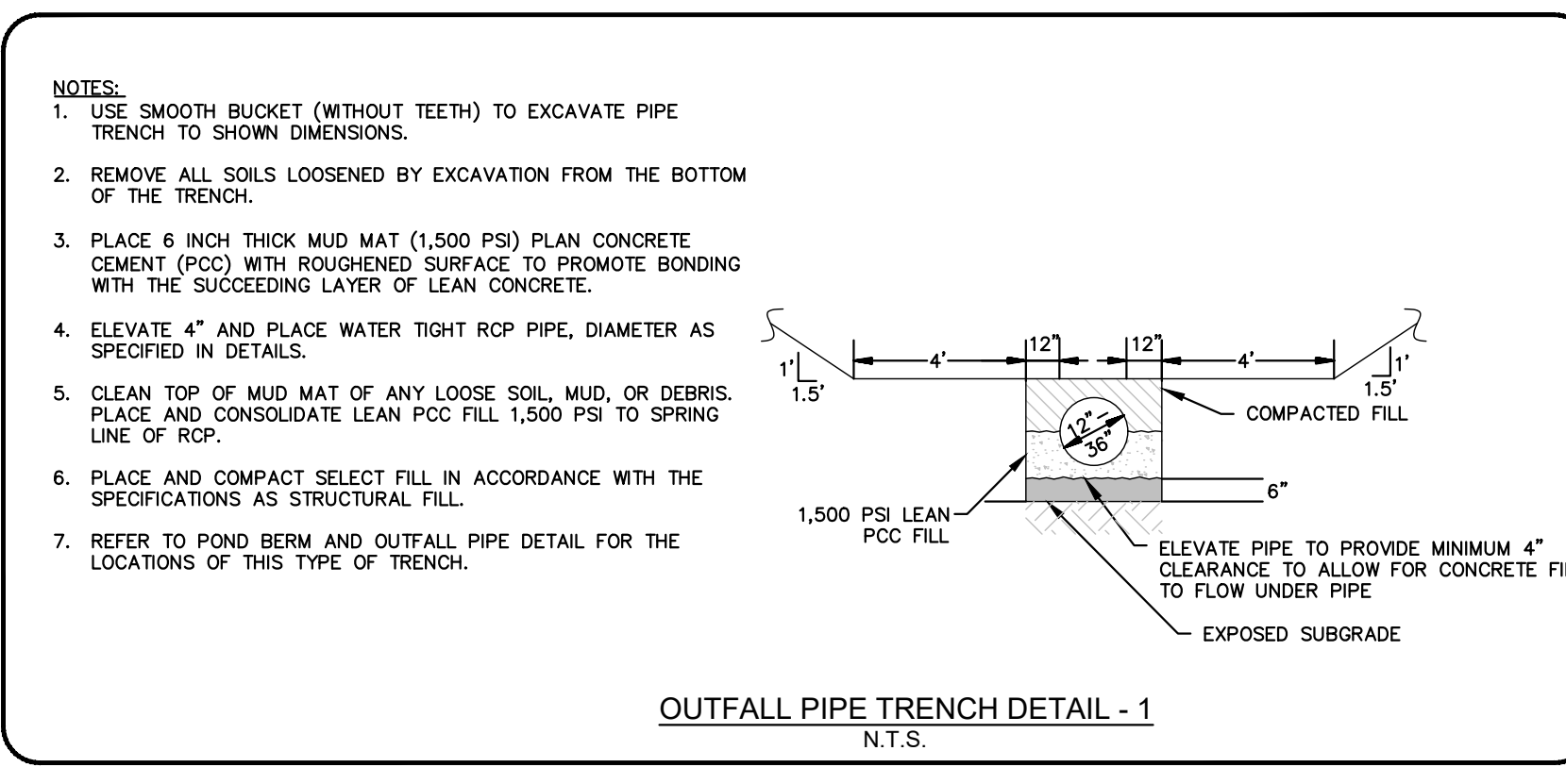
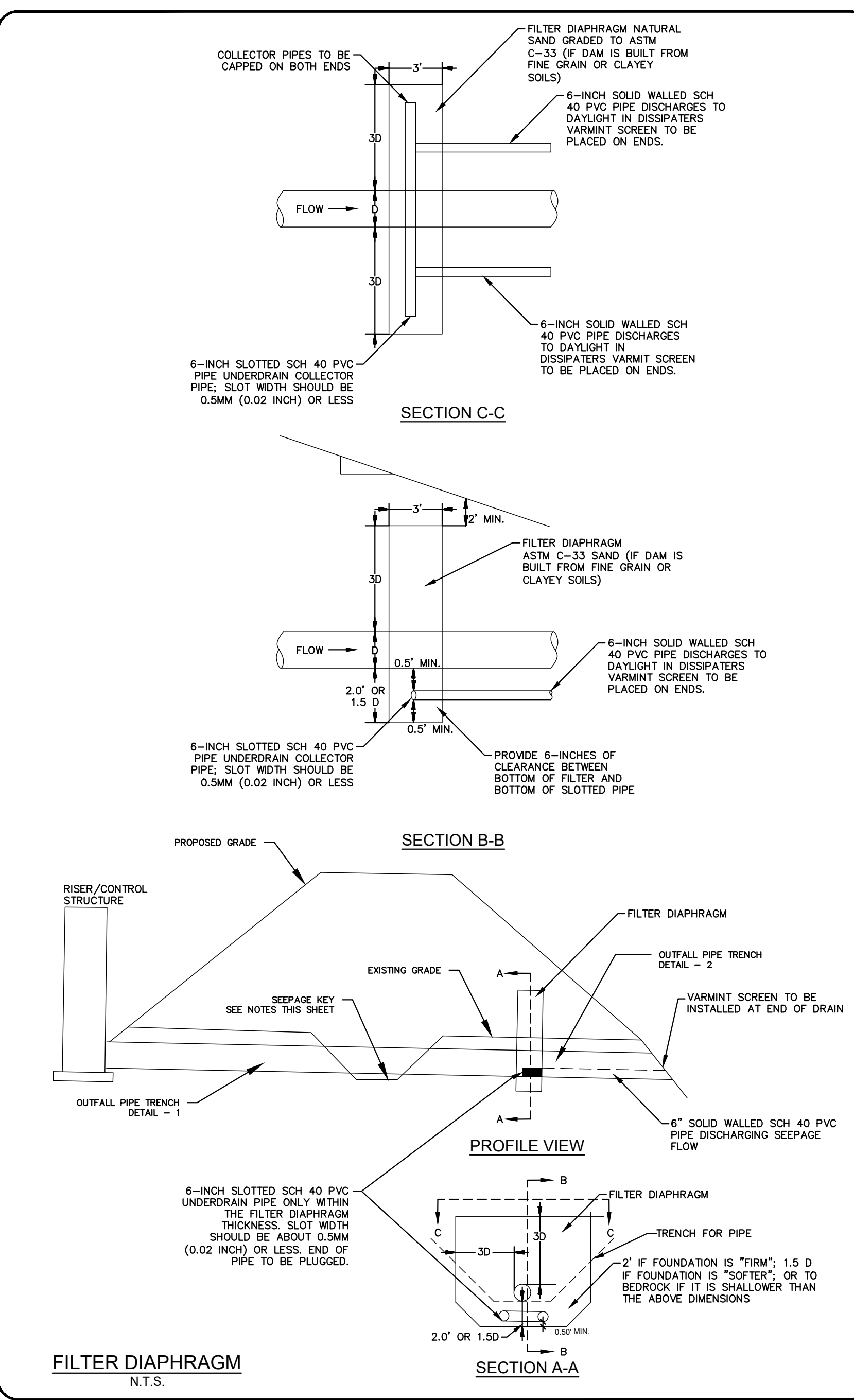
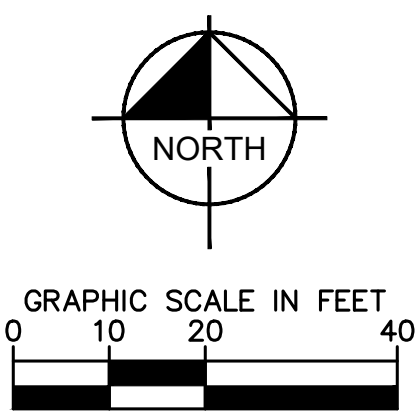
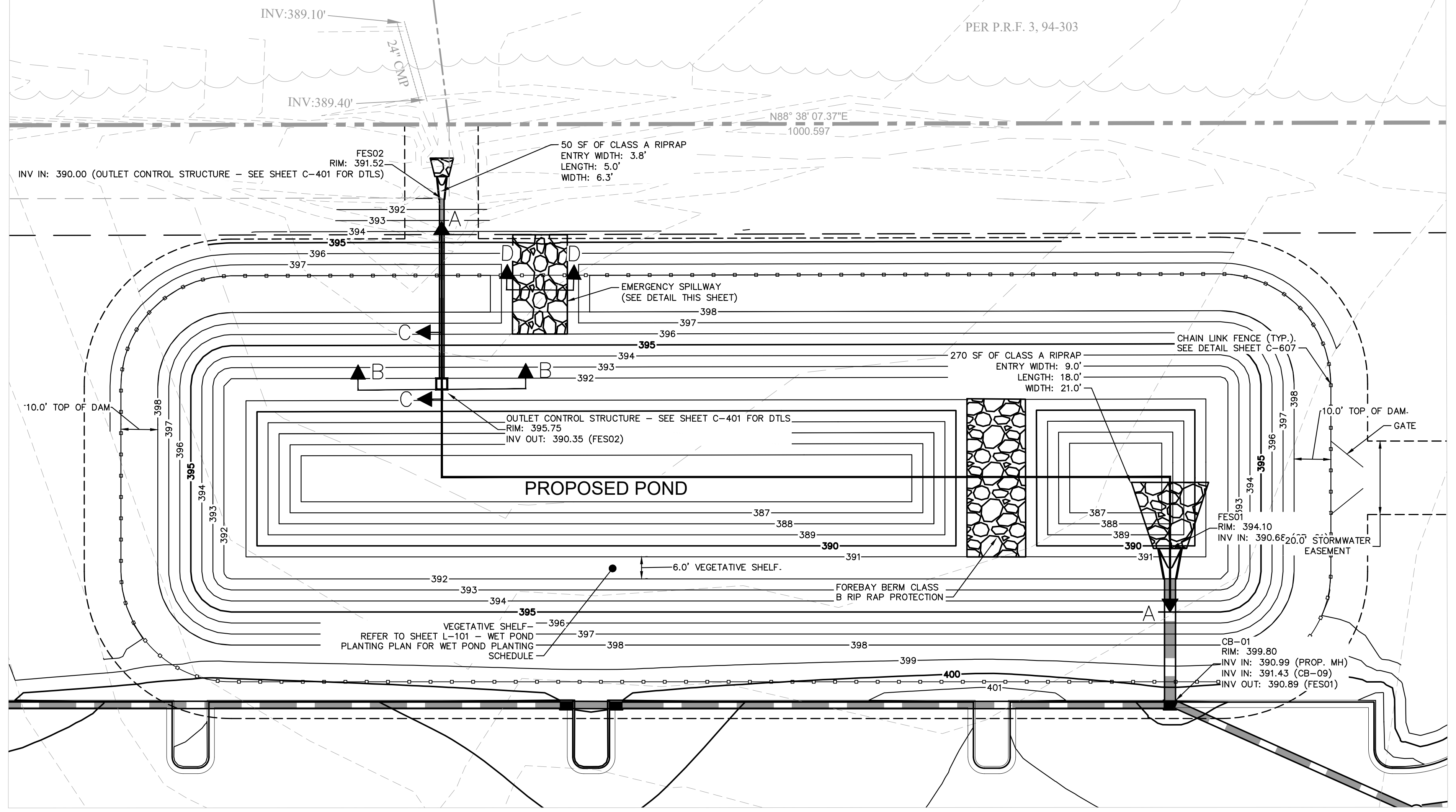
NEW JERUSALEM CHURCH
PREPARED FOR
THE NEW JERUSALEM CHURCH OF
OUR LORD JESUS CHRIST, INC.
FRANKLIN COUNTY NC



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PARCEL ID 035232
PIN# 1866-17-1873
ZONING: AR

PROPOSED 45' PRIVATE RD.
PER P.R.F. 3, 94-303



SNAP v4.2.0

Project Area and Offsite Land Cover Characteristics

Copy & Paste VALUES ONLY for Best Results

Precipitation Station: Franklin

[Click here to scroll down to error messages on this sheet.](#)

PROJECT AREA LAND COVERS	TN EMC (mg/L)	TP EMC (mg/L)	Pre-Project Area (ft ²)	Post-Project Area (ft ²)	Change pre-to-post (ft ²)
Roof	1.18	0.11		44,000	44,000
Roadway	1.64	0.34			0
Parking/Driveway/Sidewalk	1.42	0.18	2,090	119,783	117,693
Protected Forest	0.97	0.03			0
Managed Pervious/Landscaping	2.48	1.07	544,303	354,896	-189,407
Offsite or Existing Roof	1.18	0.11			0
Offsite or Existing Roadway	1.64	0.34			0
Offsite or Existing Parking/Driveway/Sidewalk	1.42	0.18		1,211	1,211
Offsite Protected Forest	0.97	0.03			0
Offsite Managed Pervious	2.48	1.07	20,649	19,438	-1,211
CUSTOM LAND COVER 1					0
CUSTOM LAND COVER 2					0
CUSTOM LAND COVER 3					0
LAND TAKEN UP BY SCM	1.18	0.11	0	27,714	27,714
Total (Regulated & UnReg) Area			567,042.00	567,042.00	
Project (Regulated) Area			546,393.00	546,393.00	

FRANKLIN COUNTY SUBMITTAL #2

INITIAL SUBMITTAL TO FRANKLIN COUNTY

8/1/2024

05/2024

ALB

ALB

DATE

REVISIONS

No.

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Kimley»Horn

KHA PROJECT 016675000

DATE 05/30/2024

SCALE AS SHOWN

DESIGNED BY ALB

DRAWN BY ELR

CHECKED BY ARS

WET POND DETAIL

NEW JERUSALEM CHURCH PREPARED FOR THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.

FRANKLIN COUNTY NC

SHEET NUMBER C-402

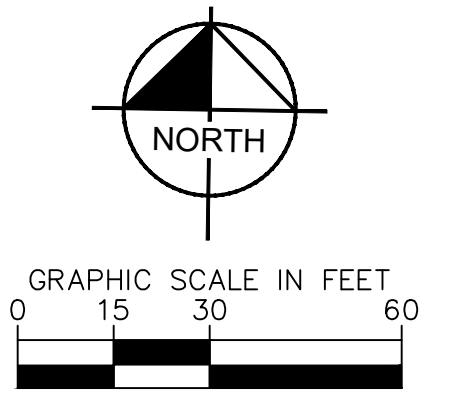


Plotted By: Brown, Allison (Release). Sheet Set: NEW_JERUSALEM CHURCH Layout: C-500 UTILITY PLAN August 02, 2024 03:41:24pm K:\RAL_LDEV\016675000_new_jerusalem church\08_cad files\plansheets\C-500 UTILITY PLAN.dwg
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D.B. 1210, PG. 75
 P.B. 99, PG. 363
 PARCEL ID 033232
 PIN# 1866-17-1873
 ZONING: AR

PROPOSED 45' PRIVATE RD.
 PER P.R.F. 3, 94-303

20' R/W (UNDEVELOPED)
 PER P.B. 2002, PG. 375



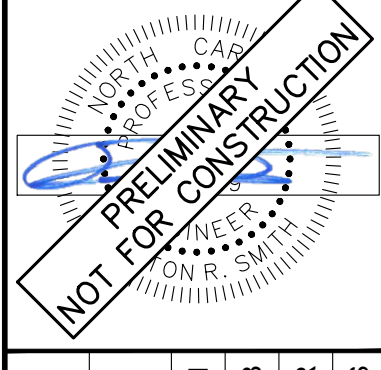
UTILITY LEGEND	
	PROPERTY LINE
	PROPOSED HOSE LAY
	PROPOSED FIRE LINE
	PROPOSED WATER LINE
	PROPOSED SANITARY SEWER
	PROPOSED BACKFLOW PREVENTOR
	PROPOSED WATER METER
	PROPOSED CLEANOUT
	PROPOSED SANITARY SEWER MANHOLE

- NOTES:**
- CONTRACTOR IS TO FIELD VERIFY LOCATION AND SIZE OF ALL UTILITY AND NOTIFY ENGINEER OF ANY DISCREPANCY.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH ALL FRANCHISE UTILITY SERVICES AND ANY RELOCATIONS OF FRANCHISE UTILITY LINES.
 - CHLORINATION TAP & BACTERIOLOGICAL SAMPLE POINT (BSP)** - TEMPORARY CHLORINATION TAPS AND BACTERIOLOGICAL SAMPLE POINTS SHALL BE CONSTRUCTED OF THE SAME MATERIALS AS ONE INCH WATER SERVICES. TEMPORARY APPURTENANCES SHALL BE INSTALLED SUCH THAT THE ANGLE BALL VALVE IS SECURELY LOCATED 36" MIN. ABOVE FINISH GRADE. UPON APPROVAL OF FINAL BACTERIOLOGICAL SAMPLES THE TUBING AND ANGLE BALL VALVE SHALL BE REMOVED. THE CORPORATION STOP CLOSED AND A CAP PLACED ON THE CORPORATION STOP.
 - THIS PROJECT WILL REQUIRE THE SUBMITTAL OF A CONSTRUCTION PLAN AND SHOP DRAWINGS FOR APPROVAL AND AN EXECUTED HOLD HARMLESS AGREEMENT PRIOR TO SCHEDULING A REQUIRED PRE-CONSTRUCTION CONFERENCE. CALL 252-551-1551 TO SCHEDULE THE CONFERENCE. **NO UTILITY WORK CAN TAKE PLACE WITHOUT A PRE-CONSTRUCTION CONFERENCE.**
 - ANY CLEANOUT THAT FALLS IN PAVEMENT SHALL BE IN A GUC APPROVED CAST IRON BOX.
 - GAS CONTACT INFORMATION: ALAN CUMMINGS - (252) 551-1587
- SEE SHEET C-002 FOR GENERAL UTILITY NOTES.

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2			
3			
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Kimley»Horn

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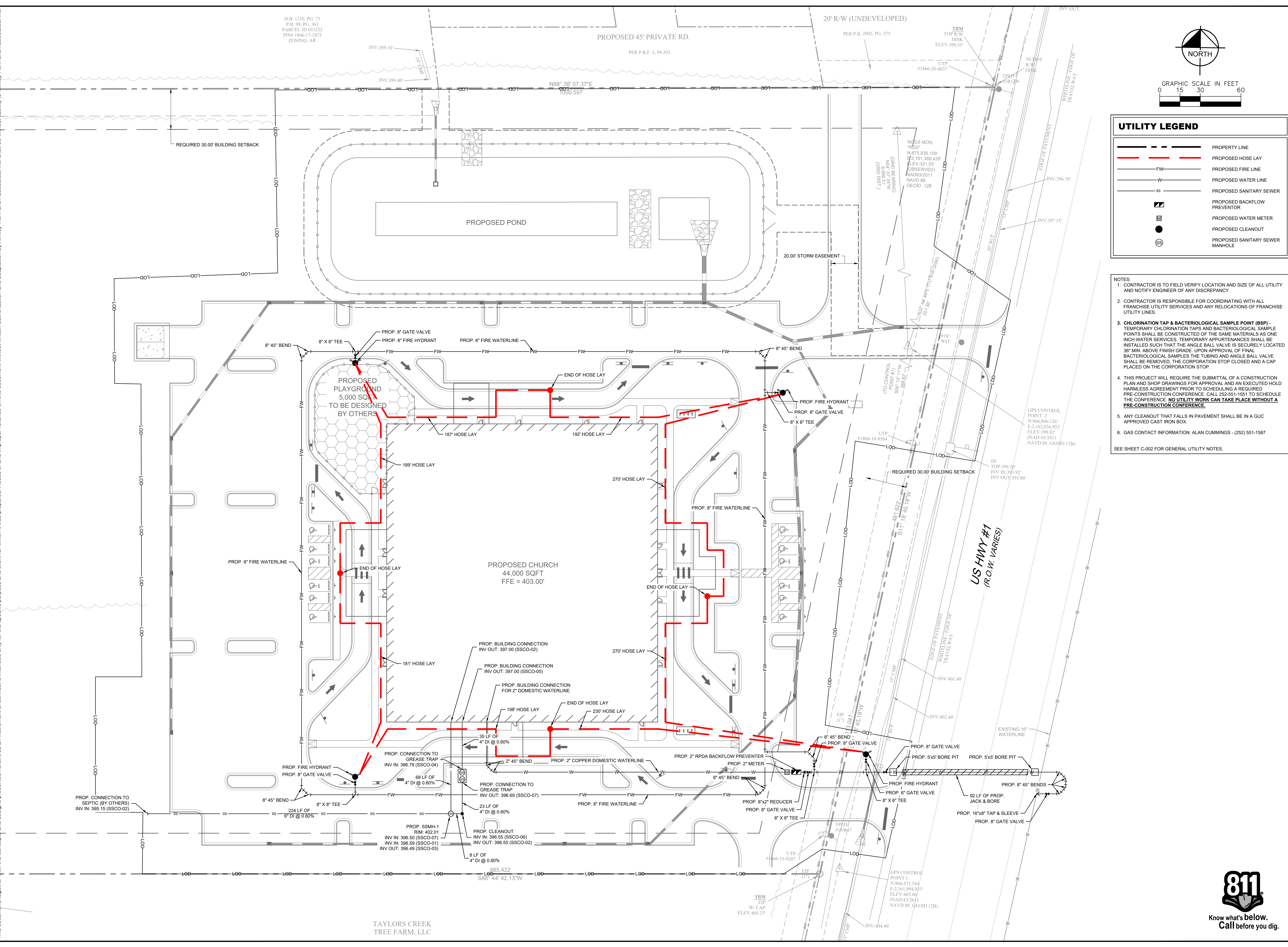


KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

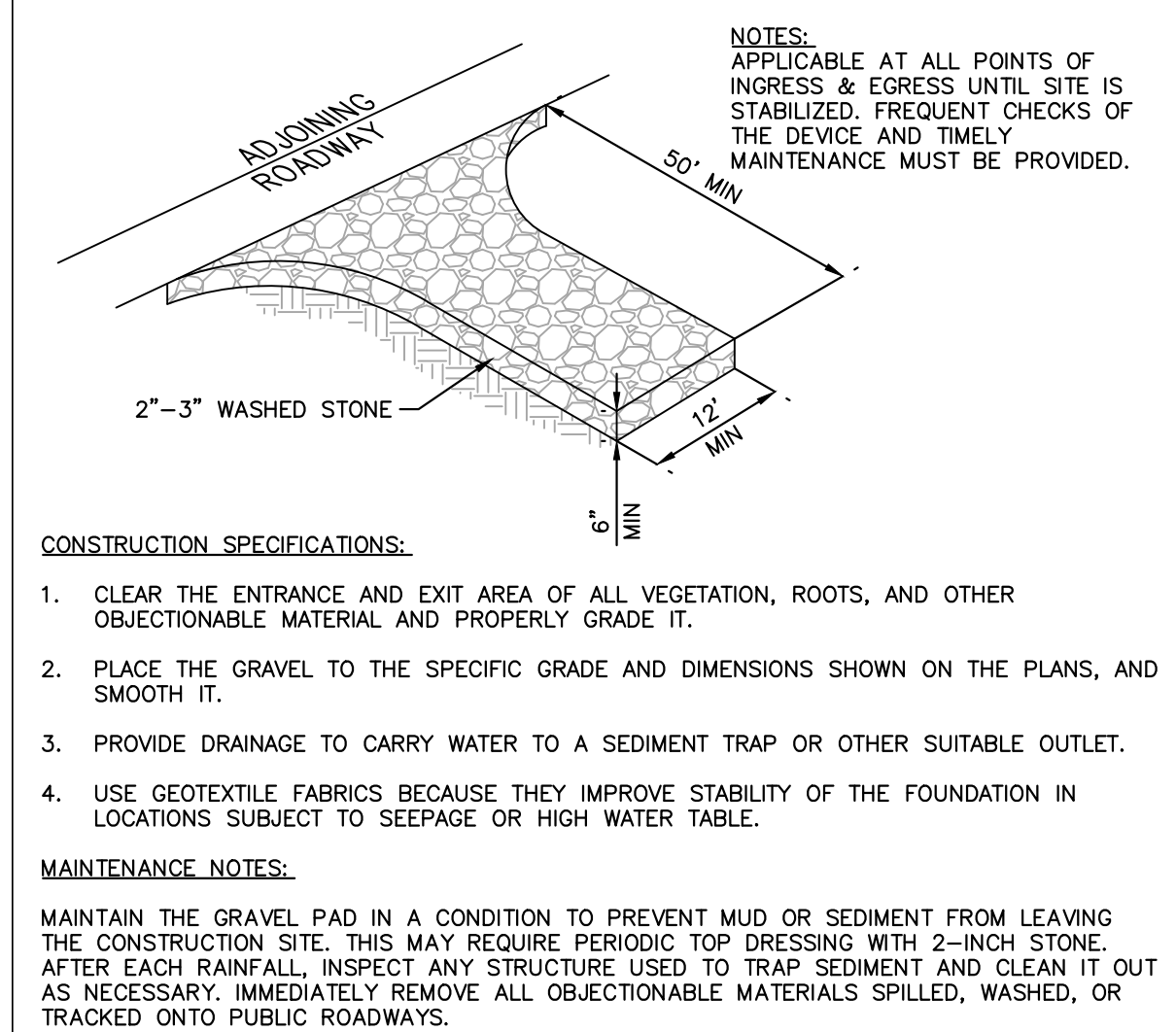
UTILITY PLAN

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

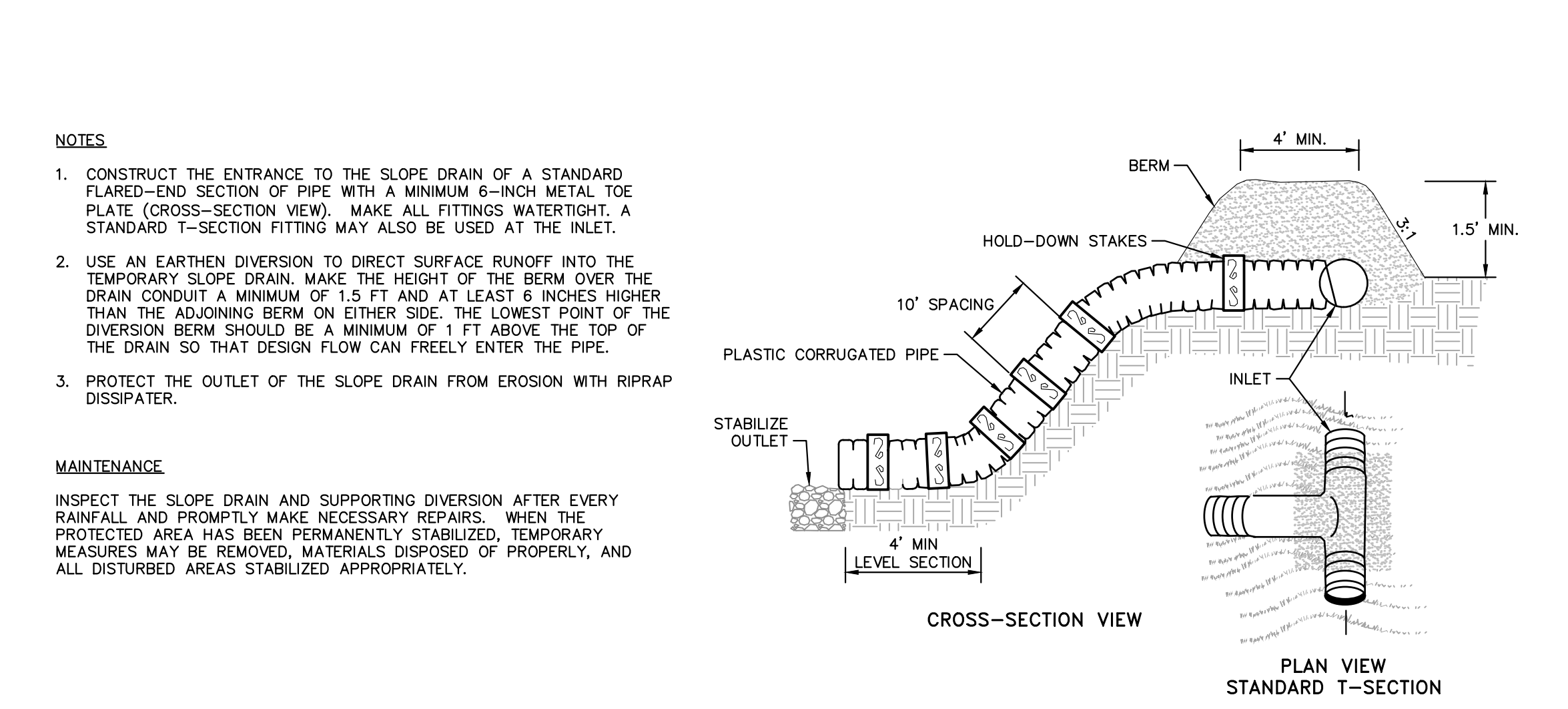
SHEET NUMBER
C-500



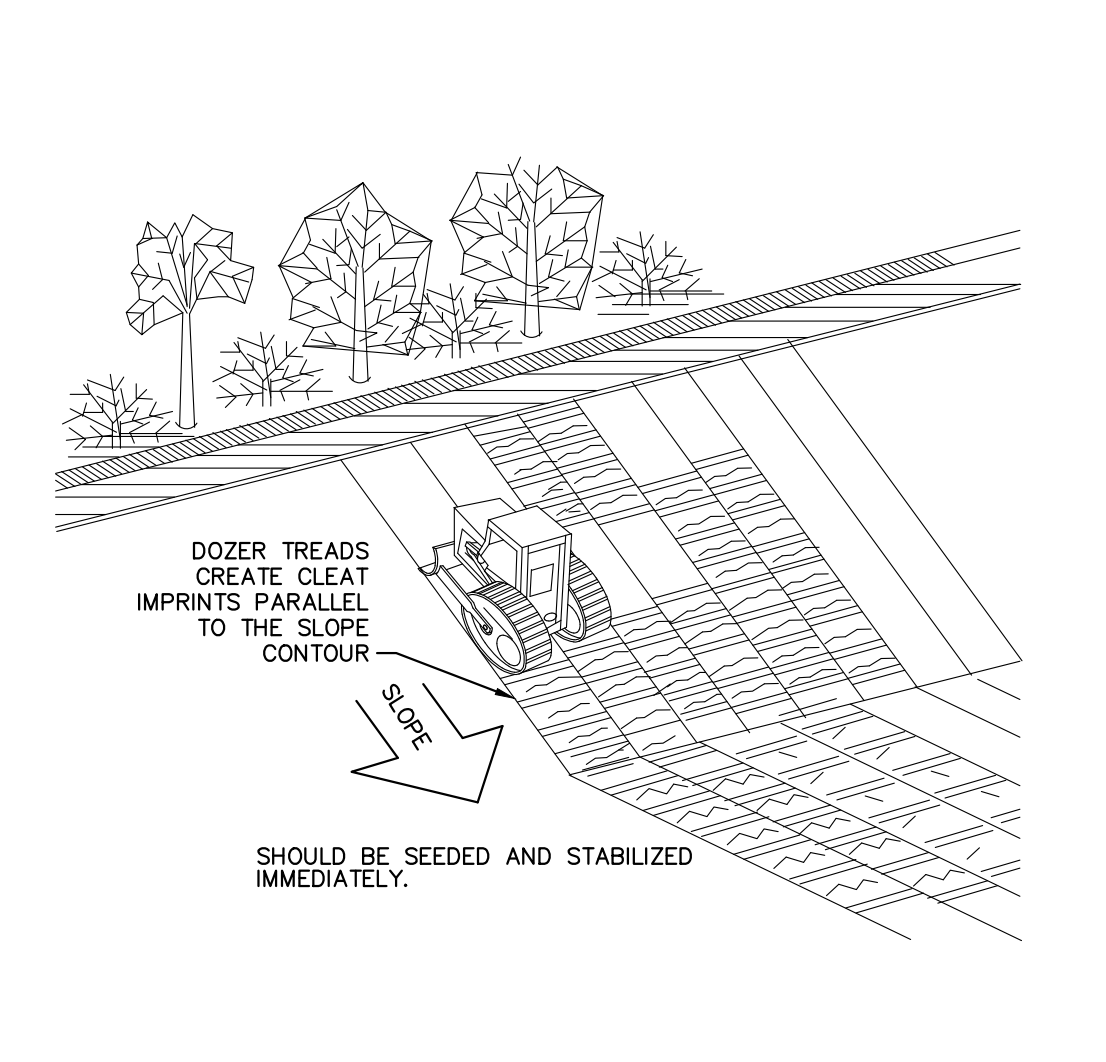
TAYLORS CREEK
 TREE FARM, LLC



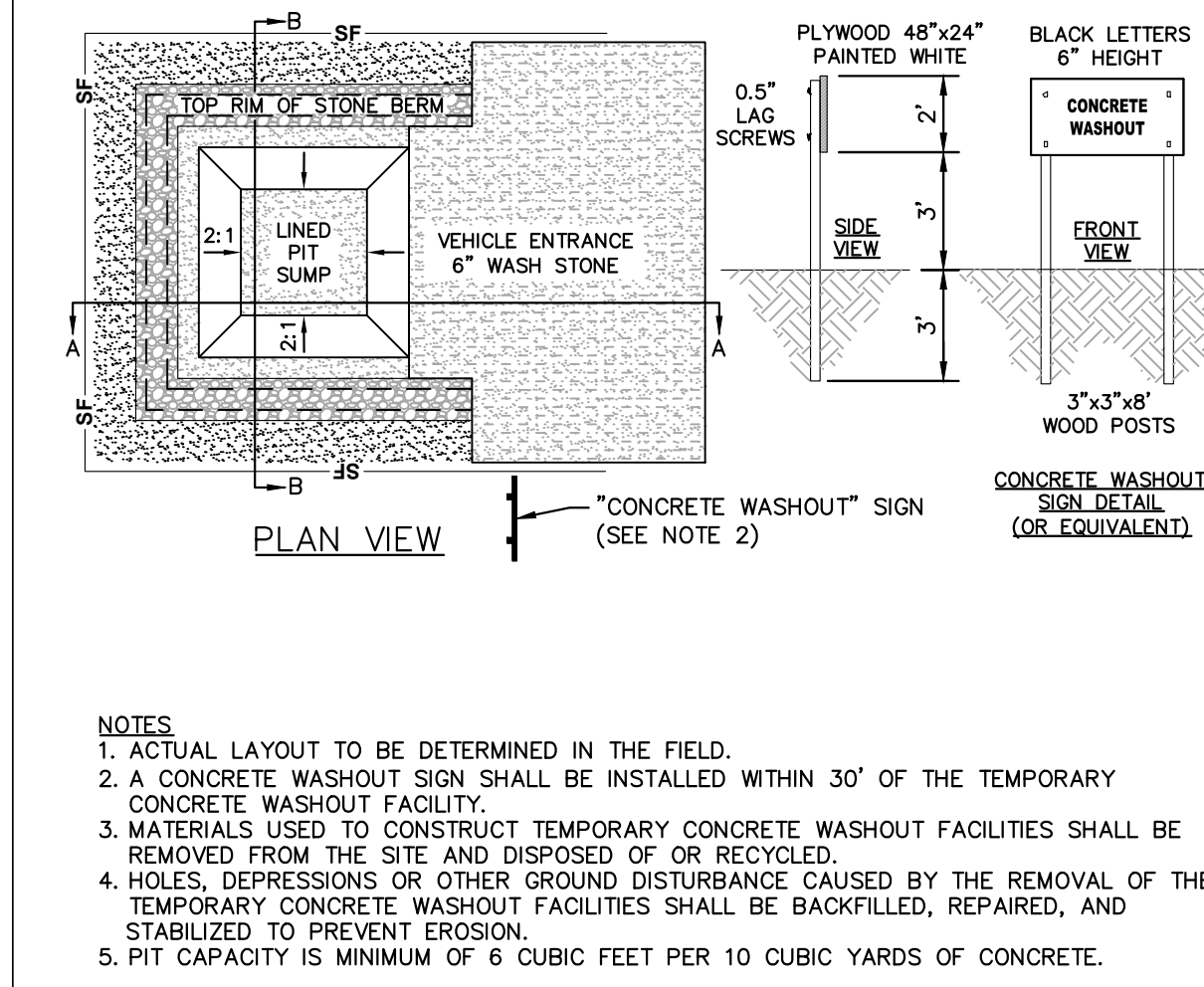
TEMPORARY CONSTRUCTION ENTRANCE
N.T.S. KHA DETAIL NO: 01.101.R02 (01)



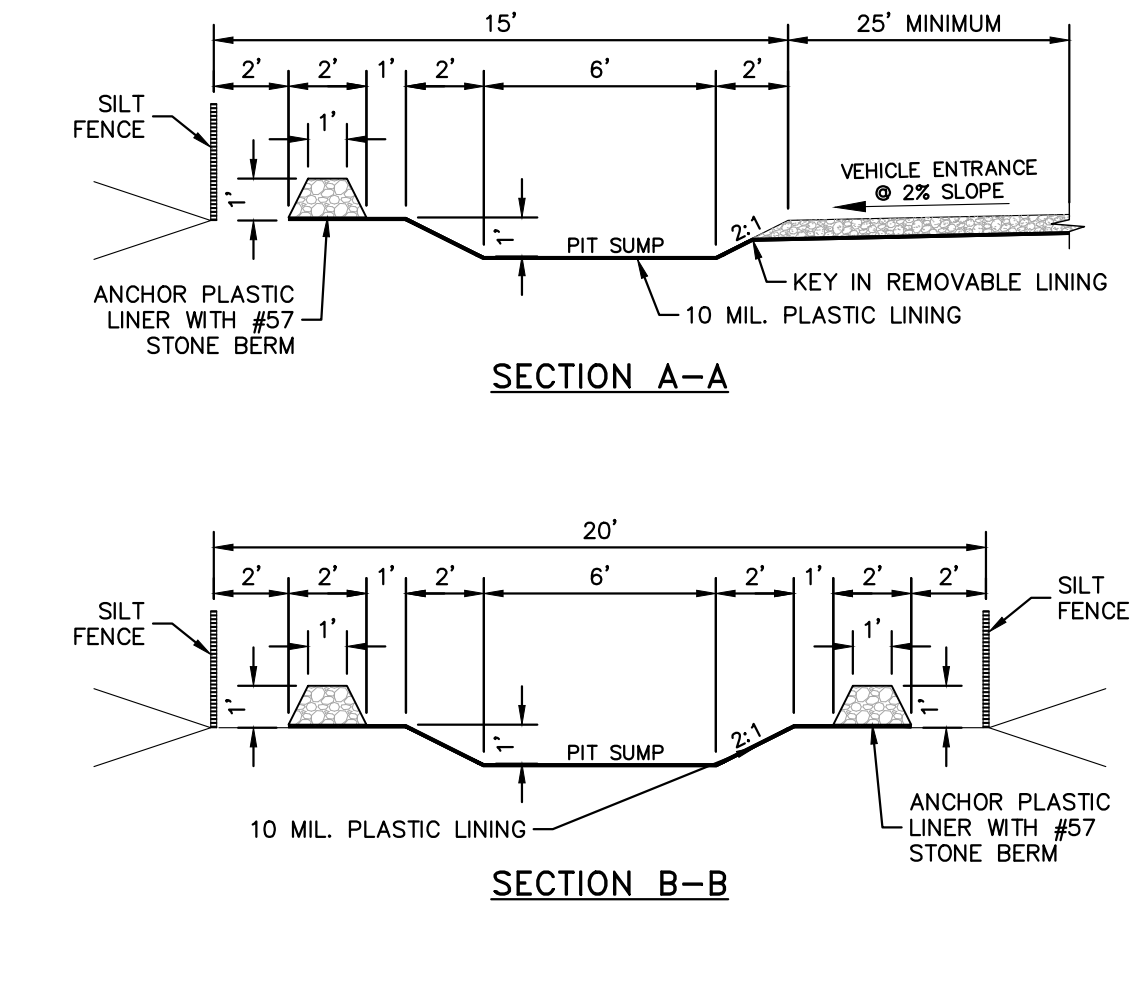
TEMPORARY SLOPE DRAIN
N.T.S. KHA DETAIL NO: 01.103.R01 (02)



TRACKING SLOPE DETAIL
N.T.S. KHA DETAIL NO: 01.109.R01 (03)



CONCRETE WASHOUT STATION
N.T.S. KHA DETAIL NO: 01.102.R01 (04)



N.T.S. KHA DETAIL NO: 01.102.R01 (04)

DATE	TYPE	PLANTING RATE	REGION
JAN. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT
JAN. 1 - MAY 1	ANNUAL LESPEDEZA (KOBÉ)	50 LBS/ACRE	PIEDMONT
MAY 1 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	PIEDMONT
MAY 1 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	PIEDMONT
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	PIEDMONT
DEC. 1 - APR. 15	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN
DEC. 1 - APR. 15	ANNUAL LESPEDEZA (KOBÉ)	50 LBS/ACRE	COASTAL PLAIN
APR. 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	COASTAL PLAIN
AUG. 15 - DEC. 30	RYE (GRAIN)	120 LBS/ACRE	COASTAL PLAIN
FEB. 15 - MAY 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET
FEB. 1 - MAY 1	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS - BELOW 2500 FEET
FEB. 15 - MAY 15	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - ABOVE 2500 FEET
FEB. 1 - MAY 1	ANNUAL LESPEDEZA (KOREAN)	50 LBS/ACRE	MOUNTAINS - BELOW 2500 FEET
MAY 15 - AUG. 15	GERMAN MILLET	40 LBS/ACRE	MOUNTAINS
MAY 15 - AUG. 15	SMALL-STEMMED SUDANGRASS	50 LBS/ACRE	MOUNTAINS
AUG. 15 - DEC. 15	RYE (GRAIN)	120 LBS/ACRE	MOUNTAINS

TEMPORARY SEEDING SCHEDULE AND SEEDBED PREPARATION
N.T.S. KHA DETAIL NO: 01.104.R01 (05)

SEEDBED PREPARATION:

- TILL OR DISK THE PREPARED AREAS TO BE SEEDDED TO A MINIMUM DEPTH OF FOUR INCHES.
- REMOVE STONES LARGER THAN THREE INCHES ON ANY SIDE, STICKS, ROOTS AND OTHER EXTRANEIOUS MATERIALS THAT SURFACE.
- IF NOT INCORPORATED DURING THE SOIL PREPARATION PROCESS, ADD pH MODIFIER AND FERTILIZERS AT THE RATE SPECIFIED IN THE SOIL TEST REPORT. IF THERE IS NO SOIL TEST REPORT, FOLLOW SOIL AMENDMENTS BELOW.
- RE-COMPACT THE AREA UTILIZING A CULTIPACKER ROLLER. THE FINISHED GRADE SHALL BE A SMOOTH EVEN SOIL SURFACE WITH A LOOSE, UNIFORMLY FINE TEXTURE.
- EVENLY APPLY SEED USING A CYCLONE SEEDER (BROADCAST), DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER. SMALL GRAINS SHOULD BE PLANTED NO MORE THAN 1 INCH DEEP. AND GRASSES AND LEGUMES NO MORE THAN 3 INCH. BROADCAST SEED MUST BE COVERED BY RAKING OR CHAIN DRAGGING, AND THEN LIGHTLY FIRMED WITH A ROLLER OR CULTIPACKER. HYDROSEED MIXTURES SHOULD INCLUDE A WOOD FIBER (CELLULOSE) MULCH.

NOTES:

- CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENuded AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.
- THIS SEEDING SCHEDULE IS FOR EROSION AND SEDIMENT CONTROL ONLY. SEE LANDSCAPE PLAN FOR FINAL SEEDING.
- THE CONTRACTOR SHALL PROVIDE GROUND COVER ON DESIGNATED AREAS AND SLOPES GREATER THAN 3:1 WITHIN 7 DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
- CONTRACTOR SHALL PROVIDE GROUND COVER IN 14 DAYS ON ALL OTHER AREAS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
- PERMANENT GROUND COVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICHEVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION.

SOIL AMENDMENTS:

LATE WINTER THROUGH SUMMER: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

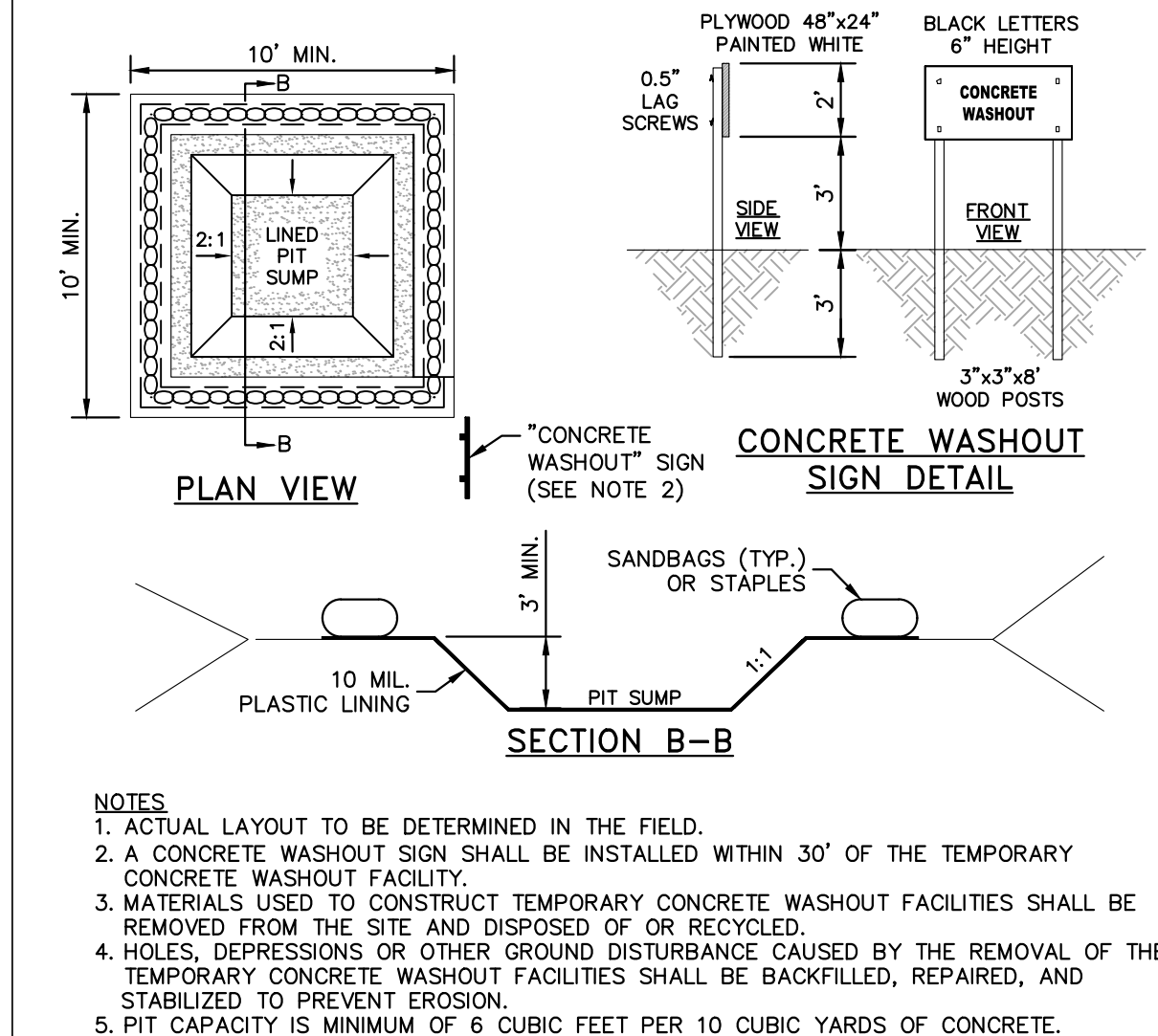
FALL: FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1000 LB/ACRE 10-10-10 FERTILIZER.

MULCH:

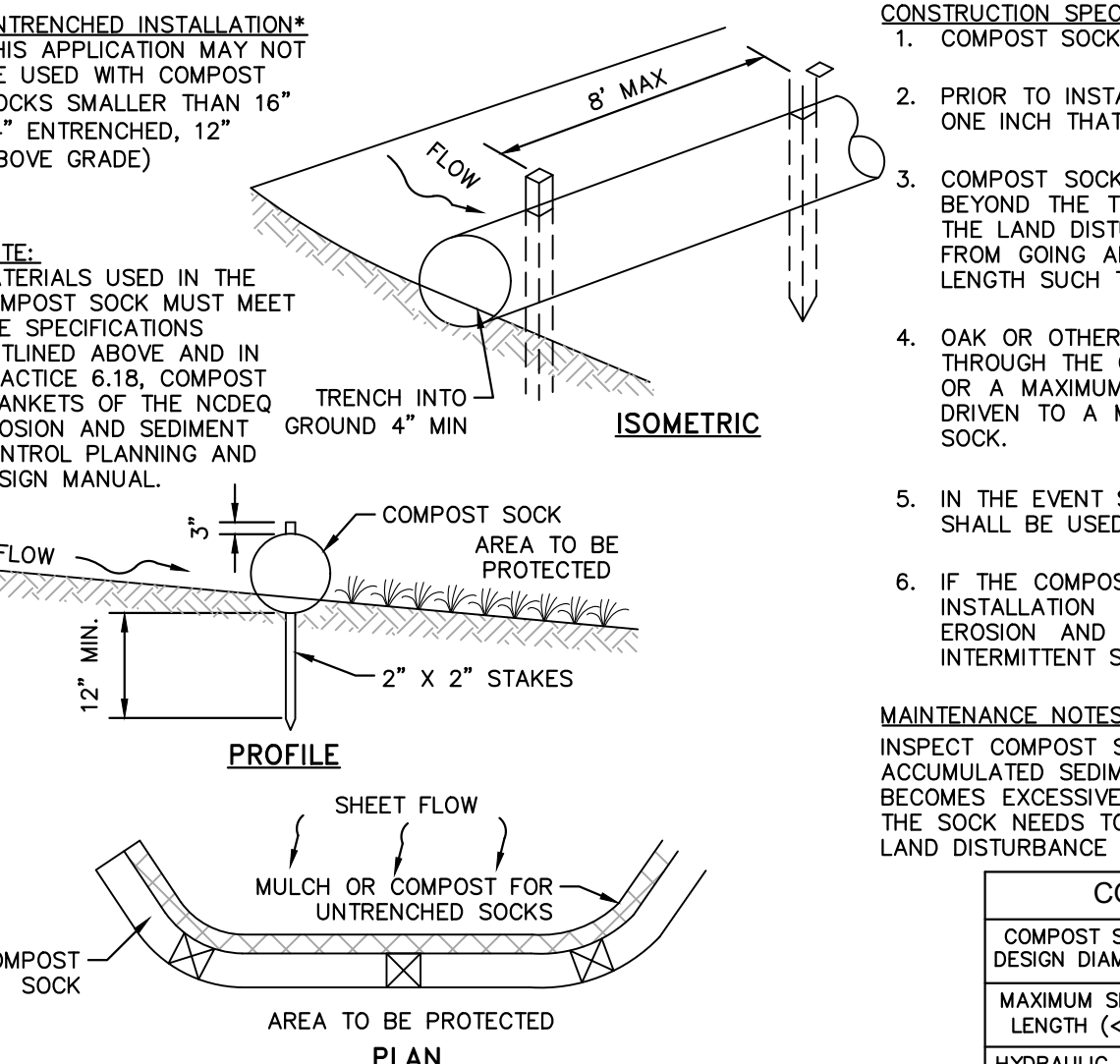
APPLY 4000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE:

LATE WINTER THROUGH SUMMER: REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE. FALL: REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH 50 LB/ACRE KOBE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.



CONCRETE WASHOUT STATION
N.T.S. KHA DETAIL NO: 01.102.R01 (06)



COIR FIBER COMPOST SOCK
N.T.S. KHA DETAIL NO: 01.108.R01 (07)

FRANKLIN COUNTY
 INITIAL SUBMITTAL TO FRANKLIN COUNTY
 8/1/2024
 8/1/2024

REVISIONS

NO.	DATE	BY
1	05/30/2024	ALB
2		ALB
3		ALB
4		ALB
5		ALB
6		ALB

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 #F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
 421 FAYETTEVILLE STREET, SUITE 800, RALEIGH, NC 27601

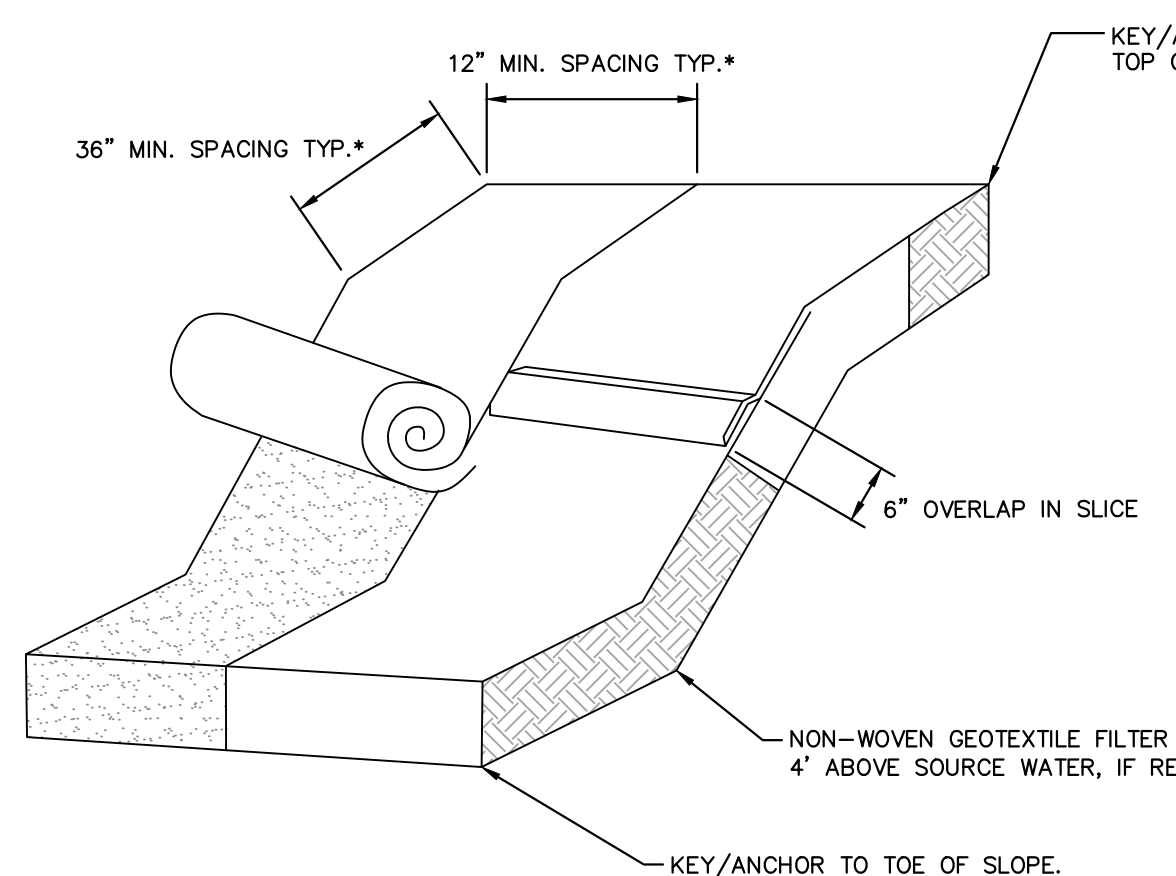
KHA PROJECT
 016675000
 DATE
 05/30/2024
 SCALE AS SHOWN
 DESIGNED BY ALB
 DRAWN BY ELR
 CHECKED BY ARS

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY

SHEET NUMBER
C-601



Plotted By: Brown, Allison (Rakelph) - Sheet Set: NEW_JERUSALEM CHURCH - Layout: C-602 EROSION CONTROL DETAILS - August 02, 2024, 03:41:33pm - K:\RAL_LDEV\016675000 - new_jerusalem_church\08_cad_files\planbeets\C-601 EROSION CONTROL DETAILS.dwg
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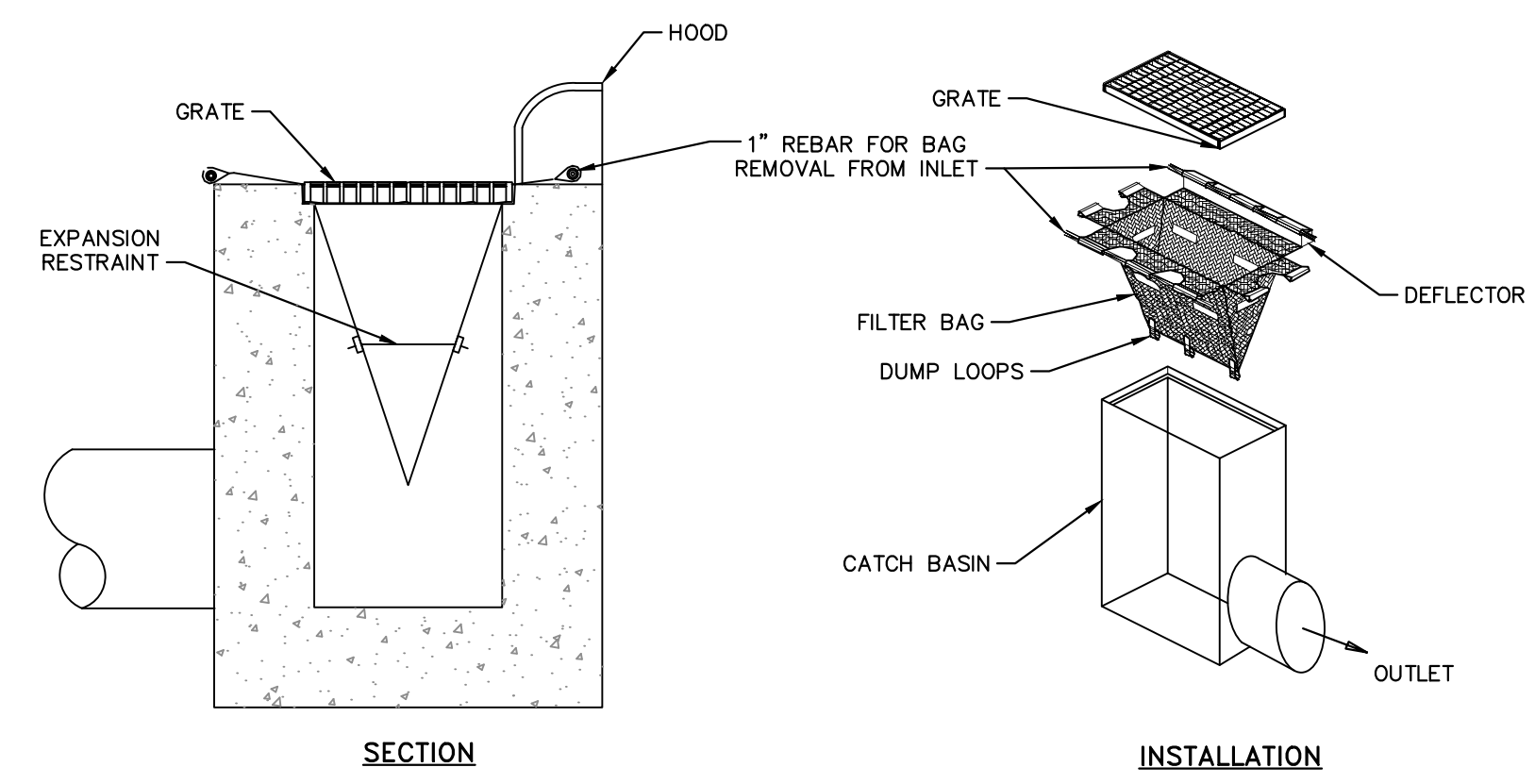


- NOTES**
- LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.
 - * DIMENSIONS SHOWN ARE MINIMUM. MANUFACTURED PRODUCTS MAY HAVE ADDITIONAL REQUIREMENTS THAT MUST BE MET.
 - SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS, GRASS, MAT/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
 - THE DETAIL SHOWN IS FOR SLOPE MATTING. FOR CHANNEL OR PIPE OUTFALL MATTING SPECIFICATIONS, PLEASE REFER TO NCSOPDM STANDARD #6.17 AND MANUFACTURER'S GUIDELINES.
 - ALL MATTING TO BE ERONET™ S150® EROSION CONTROL BLANKET OR APPROVED EQUIVALENT.

TEMPORARY MATTING
N.T.S.

KHA DETAIL NO: 01.105.R01 **08**

- NOTES**
- INLET MAINTENANCE SHALL BE DOCUMENTED IN PROJECT LOG BOOK.
 - FILTER TYPES SHALL BE APPROVED BY THE CITY INSPECTOR PRIOR TO INSTALLATION.
 - FILTER BAGS MAY BE REMOVED WHEN SITE IS STABILIZED AT THE DIRECTION OF THE ENGINEER.
 - FILTER BAGS SHALL BE REMOVED PRIOR TO STREET ACCEPTANCE.
 - FILTER BAGS SHALL BE CLEANED OR REPLACED ON A REGULAR BASIS (NOT BE MORE THAN HALF FULL AT ANY TIME).
 - FILTER BAGS SHALL NOT BE ALLOWED IN EXISTING CITY OR NCDOT ROADS.



CATCH BASIN INLET PROTECTION
N.T.S.

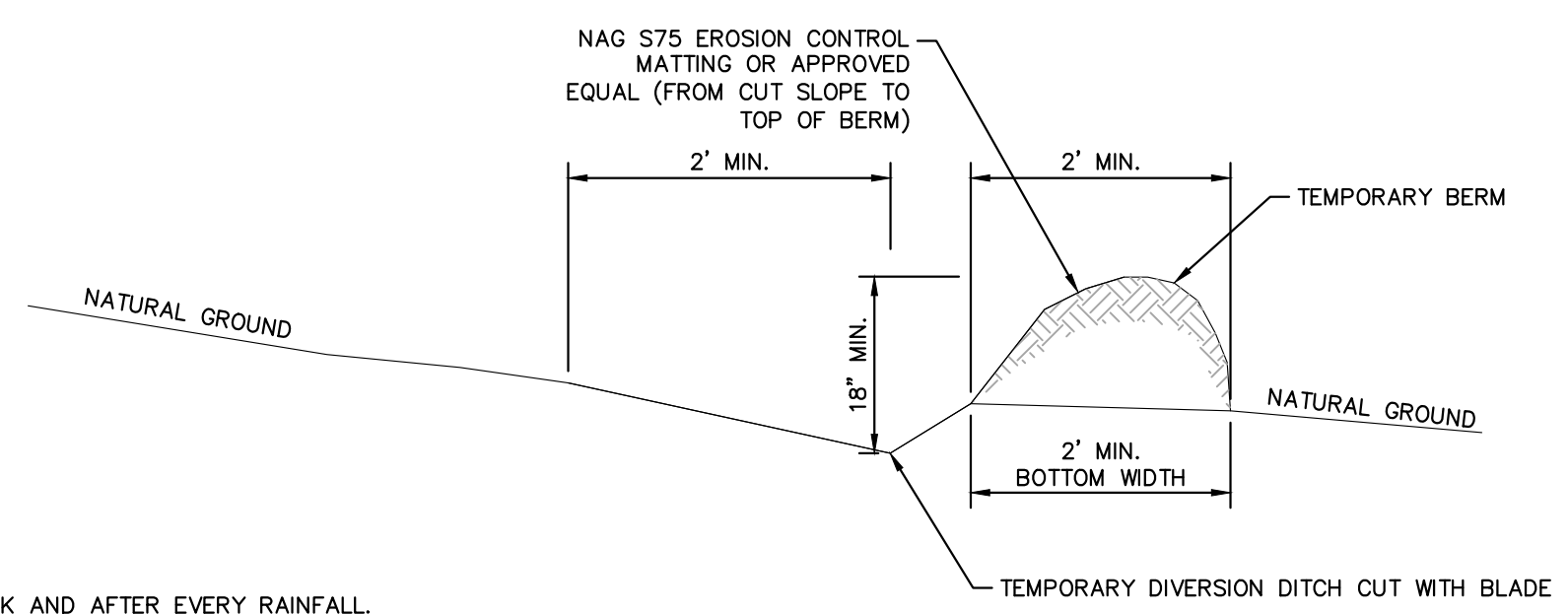
KHA DETAIL NO: 01.201.R01 **09**

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.
- VEGETATE THE RIDGE IMMEDIATELY AFTER CONSTRUCTION, UNLESS IT WILL REMAIN IN PLACE LESS THAN 30 WORKING DAYS.

MAINTENANCE NOTES:

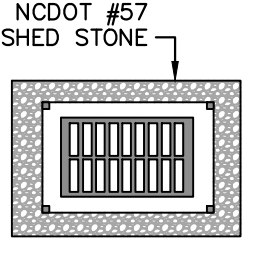
- INSPECT TEMPORARY DIVERSIONS ONCE A WEEK AND AFTER EVERY RAINFALL.
- IMMEDIATELY REMOVE SEDIMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE.
- CAREFULLY CHECK OUTLETS AND MAKE TIMELY REPAIRS AS NEEDED.
- WHEN THE AREA PROTECTED IS PERMANENTLY STABILIZED, REMOVE THE RIDGE AND THE CHANNEL TO BLEND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



- NOTES:**
- DITCH SHOULD HAVE LONGITUDINAL SLOPE OF 1%.
 - SILT FENCE MAY BE REQUIRED BEHIND BERM.

TEMPORARY DIVERSION DITCH
N.T.S.

KHA DETAIL NO: 01.106.R02 **10**

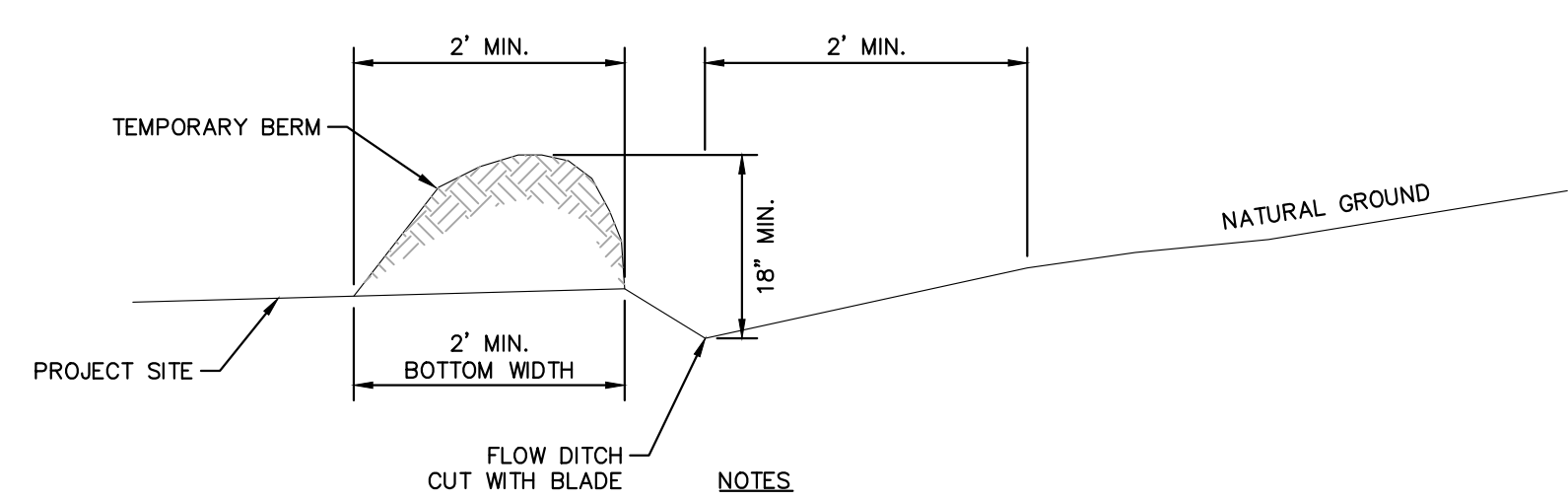


MAINTENANCE

INSPECT INLETS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT. CLEAR THE MESH WIRE OF ANY DEBRIS OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SUBSEQUENT RAINS. TAKE CARE NOT TO DAMAGE OR UNDERCUT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

CATCH BASIN AND YARD INLET PROTECTION
N.T.S.

KHA DETAIL NO: 01.202.R01 **11**



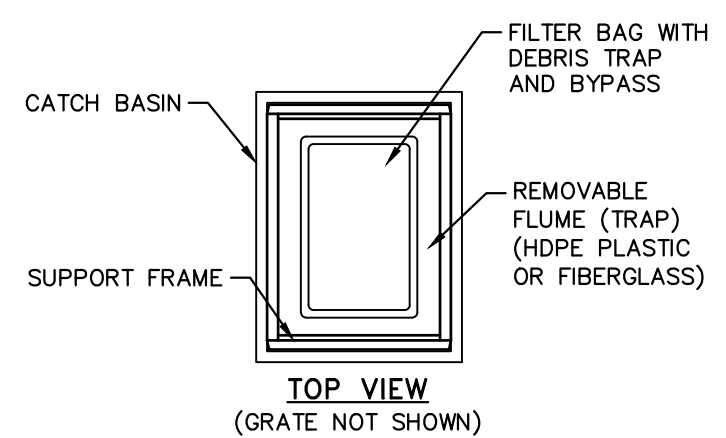
- NOTES**
- GRADE IS DEPENDENT ON SITE TOPOGRAPHY. BERM SHOULD MAINTAIN A POSITIVE SLOPE.
 - BERM IS TO BE SEEDED AND MATTED IMMEDIATELY FOLLOWING ITS CONSTRUCTION.
 - BERM MUST BE COMPLETELY STABILIZED BEFORE IT IS USED TO BYPASS CLEAN WATER.

MAINTENANCE NOTES

- 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 AND APPROPRIATELY STABILIZE IT.

CLEAN WATER DIVERSION BERM
N.T.S.

KHA DETAIL NO: 01.107.R01 **12**

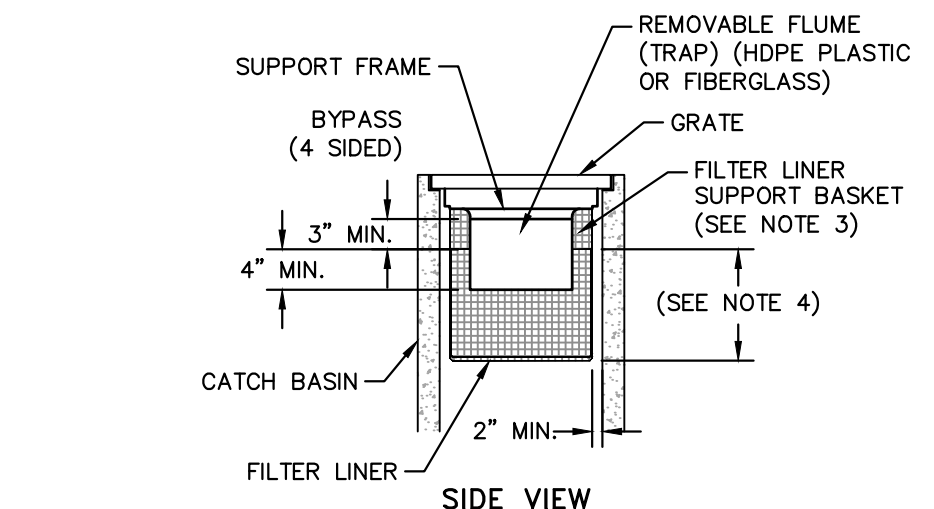


MODEL NO.	INLET SIZE	LINER DEPTH	STORAGE CAPACITY*	CLEAN FLOW RATE**
FF-2424HC	24" X 24"	12"	1.67 CU. FT.	470 GPM
"	24" X 24"	24"	4.18 CU. FT.	914 GPM
"	24" X 24"	36"	6.69 CU. FT.	1,357 GPM
FF-2436HC	24" X 36"	12"	2.55 CU. FT.	641 GPM
"	24" X 36"	24"	6.38 CU. FT.	1,201 GPM
"	24" X 36"	36"	10.20 CU. FT.	1,761 GPM
FF-3636HC-00	36" X 36"	12"	3.36 CU. FT.	772 GPM
"	36" X 36"	24"	8.39 CU. FT.	1,402 GPM
"	36" X 36"	36"	13.43 CU. FT.	2,032 GPM

* STORAGE CAPACITY REFLECTS MAXIMUM SOLIDS COLLECTION PRIOR TO IMPEDING BYPASS.
 ** FLOW RATES ARE "CALCULATED CLEAN FLOW RATES" BASED ON LINER MATERIAL FLOW RATE OF 70 GPM/SQ. FT. (RECOMMEND APPLYING FACTOR OF .25 TO .50 TO FLOW RATES TO ALLOW FOR SEDIMENT AND DEBRIS)

CATCH BASIN SILT PROTECTION INSERT
N.T.S.

KHA DETAIL NO: 01.203.R01 **13**



- NOTES**
- CATCH BASIN INSERTS ARE AVAILABLE IN SIZES TO FIT MOST INDUSTRY-STANDARD CATCH BASINS (SEE CAPACITY CHART). CUSTOM SIZES ARE AVAILABLE.
 - FILTER SUPPORT FLANGES SHALL BE CONSTRUCTED FROM STAINLESS STEEL (TYPE 304) DEBRIS TRAP (FLUME) SHALL BE CONSTRUCTED FROM EITHER PETROLEUM RESISTANT FIBERGLASS OR HDPE PLASTIC.
 - FILTER LINER SUPPORT BASKET SHALL BE CONSTRUCTED FROM A BIAXIAL GEOGRID WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 900 X 1400, AS TESTED IN ACCORDANCE WITH ASTM D-4595.
 - INSERT LINERS ARE AVAILABLE IN STANDARD DEPTHS OF 12", 24" OR 36" (REFER TO CAPACITY CHART). CUSTOM LINER DEPTHS MAY BE SPECIFIED.

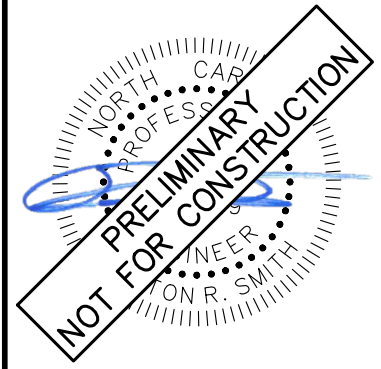
MAINTENANCE SPECIFICATIONS

INSPECT THE PROTECTION INSERT AND REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. IF THE CONTAINMENT IS MORE THAN 1/3 FULL OF SEDIMENT, EMPTY THE PROTECTION INSERT BY LIFTING THE UNIT OUT OF THE INLET AND REPLACING.

NO.	REVISIONS	DATE
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024
3		
4		
5		
6		

Kimley >>> Horn

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KHA PROJECT	016675000	SCALE	AS SHOWN	DESIGNED BY	ALB	ELR	ARS
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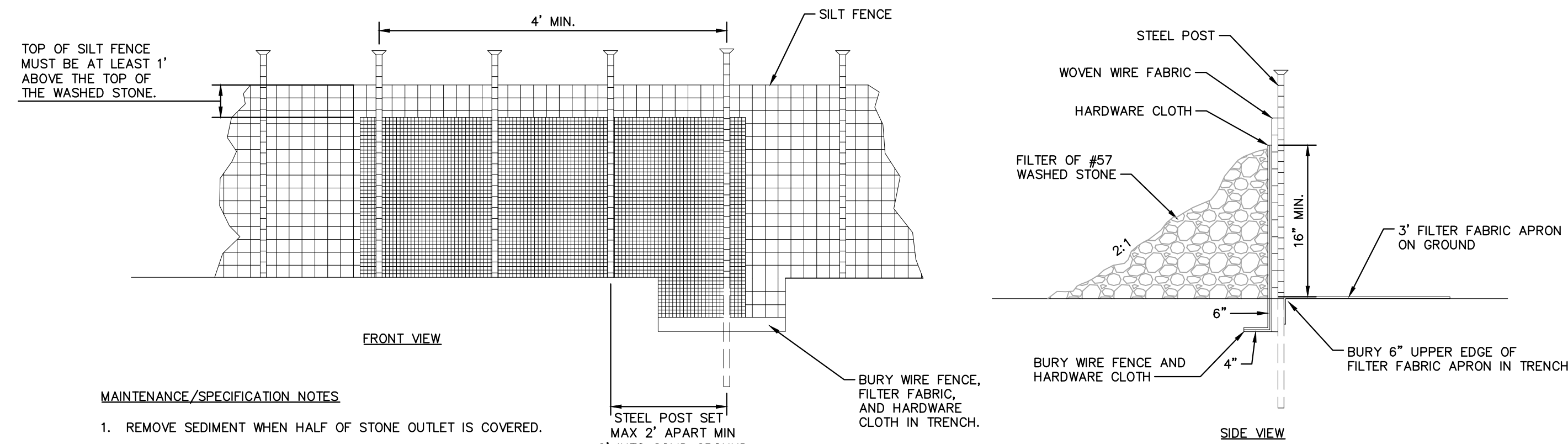
**EROSION CONTROL
DETAILS**

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

SHEET NUMBER
C-602



Plotted By: Brown, Allison (Raleigh). Sheet Set: NEW_JERUSALEM CHURCH_LAYOUT C-603 EROSION CONTROL DETAILS August 02, 2024 03:41:36pm. K:\RAL_LDEV\016675000_new_jerusalem_church\08_cad_files\plan\details\C-603 EROSION CONTROL DETAILS.dwg. This document, together with the concepts and designs presented herein, is an instrument of service, as intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

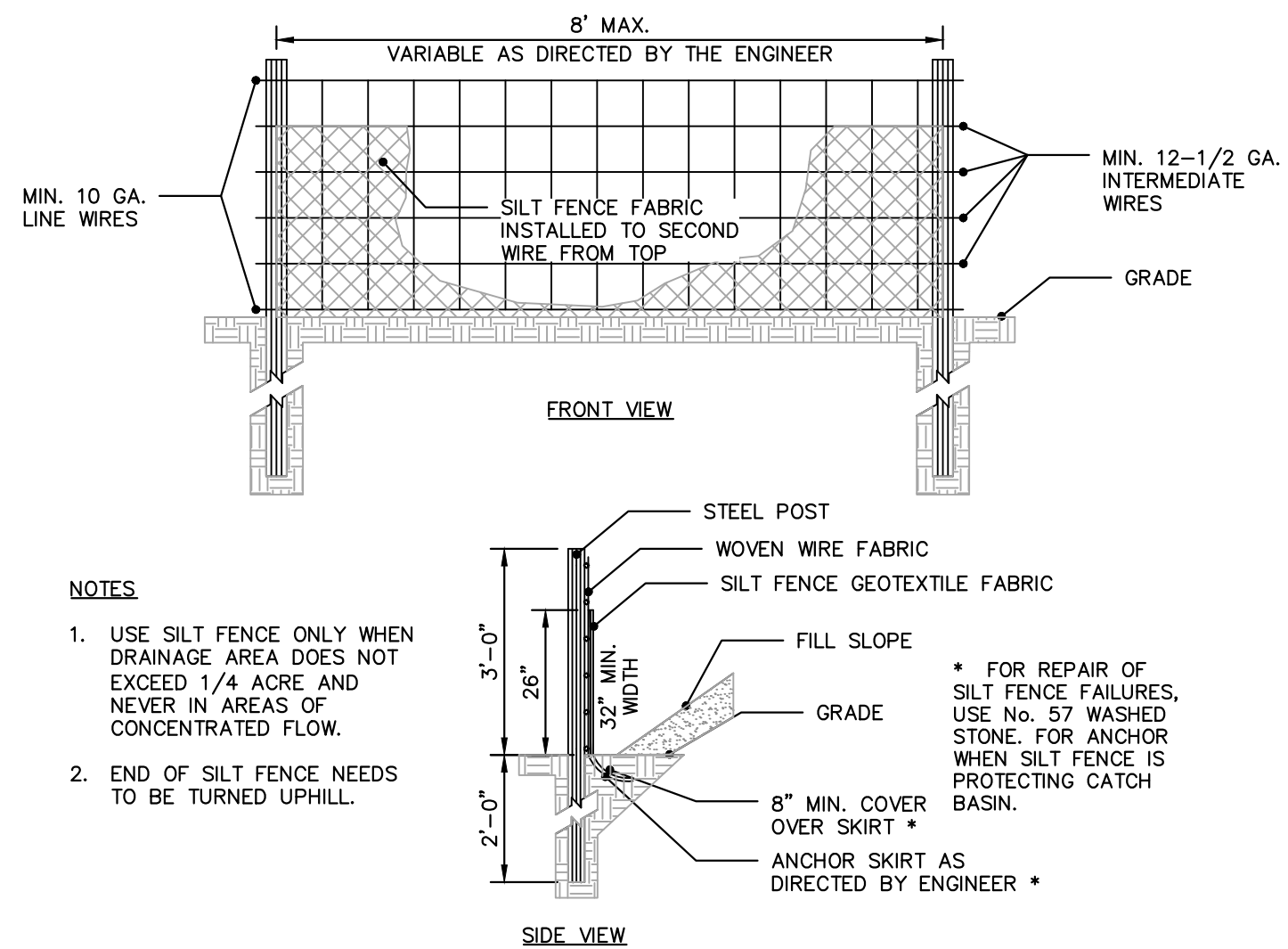


MAINTENANCE/SPECIFICATION NOTES

1. REMOVE SEDIMENT WHEN HALF OF STONE OUTLET IS COVERED.
2. REPLACE STONE AS NEEDED TO ENSURE DEWATERING.
3. SILT FENCE OUTLETS SHOULD NOT BE LOCATED WHERE THE OUTFLOW WILL ERODE THE SOIL BELOW.

SILT FENCE OUTLET
N.T.S.

KHA DETAIL NO: 01.303.R02 **14**



NOTES

1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.

CONSTRUCTION SPECIFICATIONS

MATERIALS

1. 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 6481. SYNTHETIC FILTER FABRIC SHOULD CONTAIN ULTRAVIOLET RAY INHIBITORS AND STABILIZERS TO PROVIDE A MINIMUM OF 6 MONTHS OF EXPECTED USABLE CONSTRUCTION LIFE AT A TEMPERATURE RANGE OF 0 TO 120°F.
2. ENSURE THAT POSTS FOR SEDIMENT FENCES ARE 1.25 LB/LINEAR FT MINIMUM LENGTH OF 5 FEET. MAKE SURE THAT STEEL POSTS HAVE PROJECTIONS TO FACILITATE FASTENING THE FABRIC.
3. FOR REINFORCEMENT OF STANDARD STRENGTH FILTER FABRIC, USE WIRE FENCE WITH A MINIMUM 14 GAUGE AND A MAXIMUM MESH SPACING OF 6 INCHES.

CONSTRUCTION

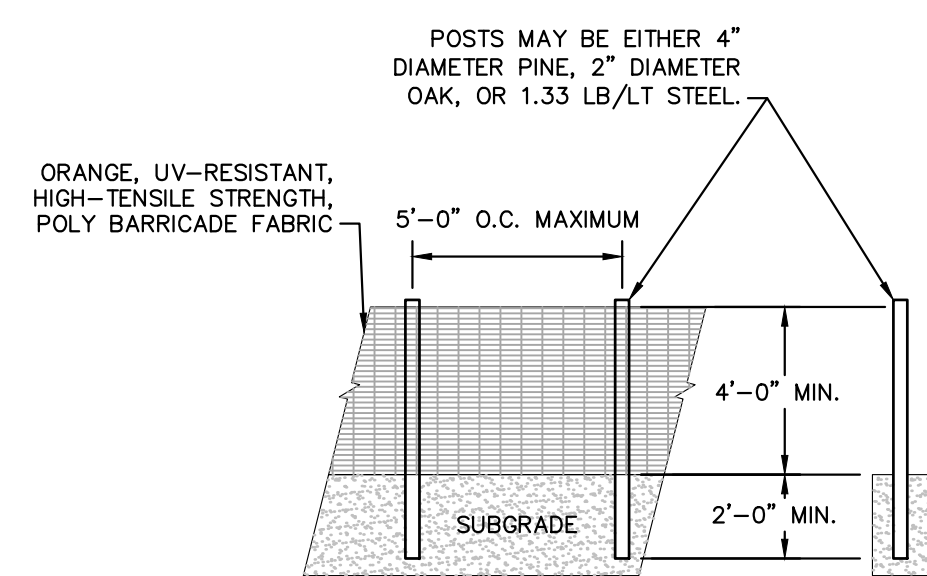
1. CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.
2. ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 24 INCHES ABOVE THE GROUND SURFACE. (HIGHER FENCES MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.)
3. CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL CUT TO LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER CLOTH ONLY AT A SUPPORT POST WITH 4 FEET MINIMUM OVERLAP TO THE NEXT POST.
4. SUPPORT STANDARD STRENGTH FILTER FABRIC BY WIRE MESH SUPPORT TO THE BOTTOM OF THE TRENCH. FASTEN THE WIRE REINFORCEMENT, THEN FABRIC ON THE UPSLOPE SIDE OF THE FENCE POST. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
5. WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24 INCHES.
6. EXTRA STRENGTH FILTER FABRIC WITH 6 FEET POST SPACING DOES NOT REQUIRE WIRE MESH SUPPORT FENCE. SECURELY FASTEN THE FILTER FABRIC DIRECTLY TO POSTS. WIRE OR PLASTIC ZIP TIES SHOULD HAVE MINIMUM 50 POUND TENSILE STRENGTH.
7. EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER.
8. PLACE 12 INCHES OF THE FABRIC ALONG THE BOTTOM AND SIDE OF THE TRENCH.
9. BACKFILL THE TRENCH WITH SOIL PLACED OVER THE FILTER FABRIC AND COMPACT. THOROUGH COMPACTION OF THE BACKFILL IS CRITICAL TO SILT FENCE PERFORMANCE.
10. DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

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 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.

TEMPORARY SILT FENCE
N.T.S.

KHA DETAIL NO: 01.302.R02 **15**

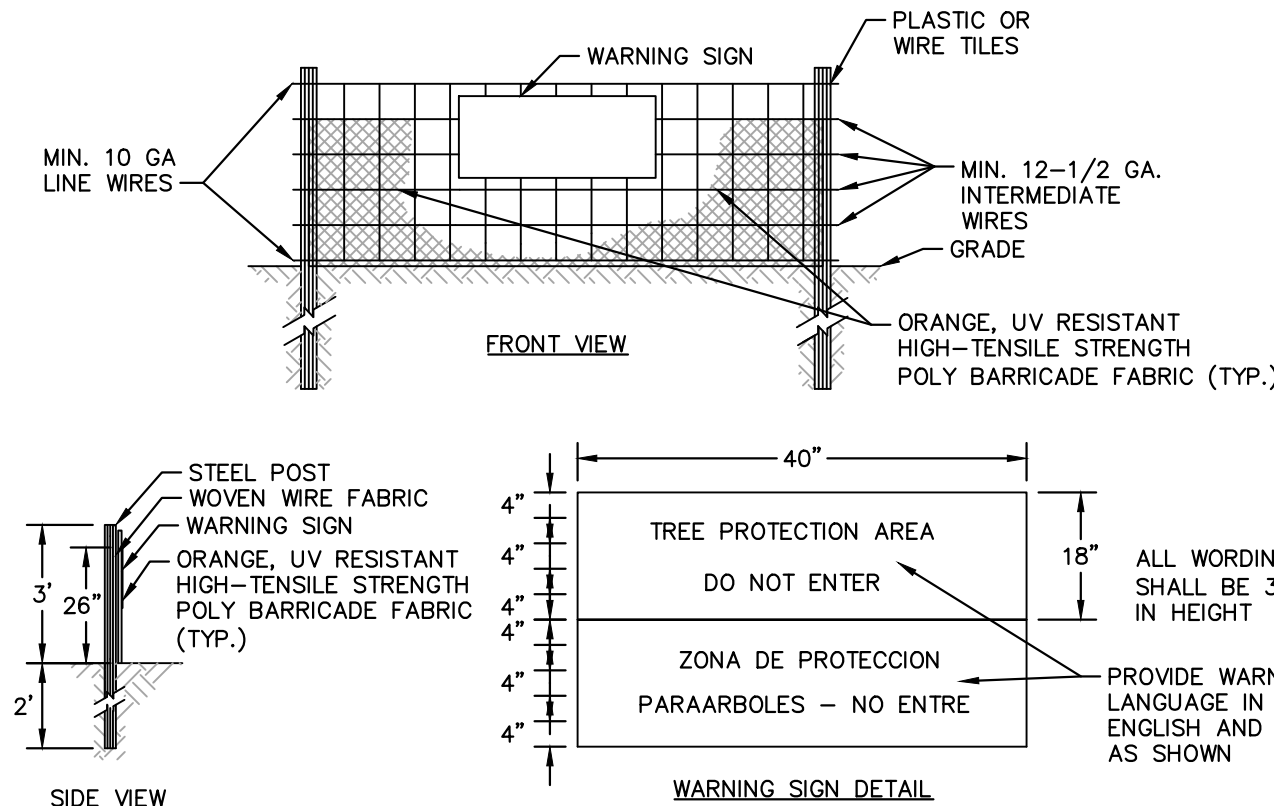


MAINTENANCE SPECIFICATIONS

SHOULD THE FABRIC OF A PROTECTION FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY.

ORANGE SAFETY FENCE
N.T.S.

KHA DETAIL NO: 01.301.R01 **16**



NOTES

1. TREE PROTECTION FENCING MUST BE INSTALLED AT A MINIMUM RADIUS OF THE CRITICAL ROOT ZONE (CRZ) OF TREES. (CRZ DEFINED AS RADIUS x 1.25' (FT) PER INCH AT DBH FROM TRUNK OF TREE.)
2. IF CONSTRUCTION OCCURS WITHIN THE CRZ AT LEAST 12" OF MULCH AND/OR LOGGING MATTS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
3. THE TREE PROTECTION FENCING MUST NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT.
4. THERE WILL BE ZERO TOLERANCE FOR STORING OR PARKING VEHICLES, SUPPLIES, OR EQUIPMENT UNDER PROTECTED TREES.
5. IMPACT PROTECTION DEVICES MUST BE REMOVED AFTER CONSTRUCTION.
6. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH MINIMUM, CLEARLY LEGIBLE AND SPACED AS SHOWN.
7. SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
8. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
9. SHOULD THE FABRIC OF A PROTECTION FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, CONTRACTOR SHALL REPLACE IT PROMPTLY.

TREE PROTECTION FENCE
N.T.S.

KHA DETAIL NO: 01.304.R01 **17**

No.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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FRANKLIN COUNTY SUBMITTAL #2
INITIAL SUBMITTAL TO FRANKLIN COUNTY
421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601
#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919-677-2000 FAX: 919-677-2050



KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
016675000	05/30/2024	AS SHOWN	ALB	ELR	ARS

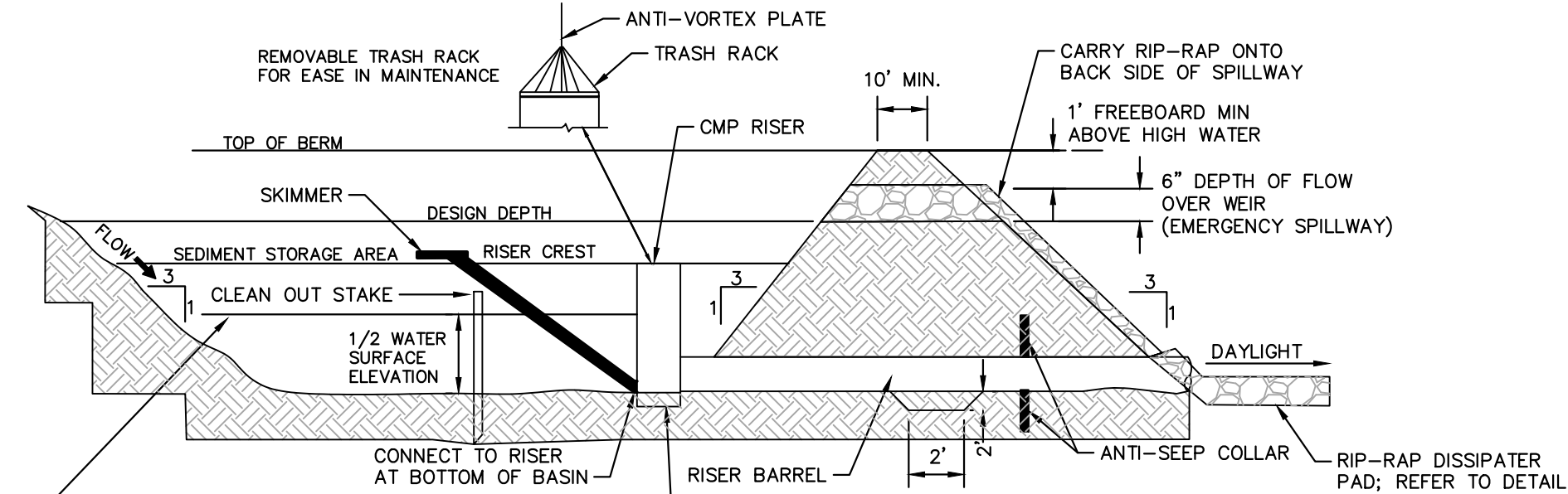
**EROSION CONTROL
DETAILS**

NEW JERUSALEM CHURCH
PREPARED FOR
**THE NEW JERUSALEM CHURCH OF
OUR LORD JESUS CHRIST, INC.**
FRANKLIN COUNTY NC

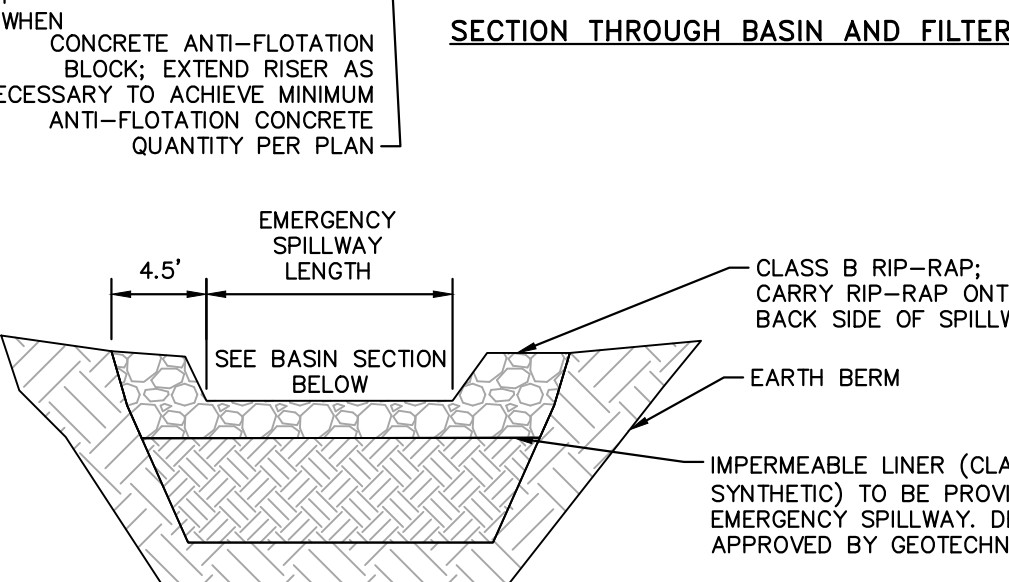
SHEET NUMBER
C-603



Plotted By: Brown, Allison (Rls/epd). Sheet Set: NEW_JERUSALEM_CHURCH_LAYOUT-C&M EROSION CONTROL DETAILS August 02, 2024, 03:41:41 PM. K:\RAL_UID\016675000_new_jerusalem_church_cad_files\plan\sheet\08.dwg (last updated: 8/2/2024 3:41:41 PM) This document, together with the concepts and designs presented herein, is an instrument of service, as intended only for the specific purpose and client for which it was prepared. Release of any improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



- MAINTENANCE NOTES:**
1. INSPECT TEMPORARY 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 IT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. PLACE REMOVED SEDIMENT IN AN AREA WITH SEDIMENT CONTROLS.
 2. CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE, AND INSPECT SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA.



SECTION THROUGH BERM AND FILTER

CONSTRUCTION SPECIFICATIONS:

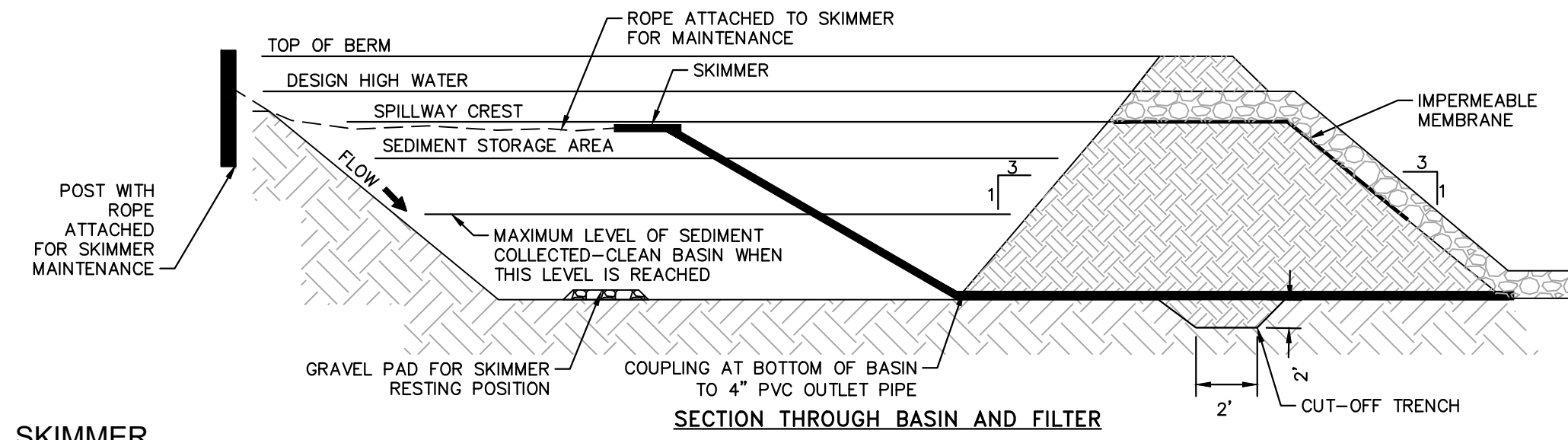
1. **SITE PREPARATIONS**— CLEAR, GRUB, AND STRIP TOPSOIL FROM AREAS UNDER THE EMBANKMENT TO REMOVE TREES, VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. DELAY CLEARING THE POOL AREA UNTIL THE DAM IS COMPLETE AND THEN REMOVE BRUSH, TREES, AND OTHER OBJECTIONABLE MATERIALS TO FACILITATE SEDIMENT CLEANOUT. STOCKPILE ALL TOPSOIL OR SOIL CONTAINING ORGANIC MATTER FOR USE ON THE OUTER SHELL OF THE EMBANKMENT TO FACILITATE VEGETATIVE ESTABLISHMENT. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW THE BASIN AS NEEDED.
2. **CUT-OFF TRENCH**— EXCAVATE A CUT-OFF TRENCH ALONG THE CENTER LINE OF THE EARTH FILL EMBANKMENT. CUT THE TRENCH TO STABLE SOIL MATERIAL, BUT IN NO CASE MAKE IT LESS THAN 2 FEET DEEP. THE CUT-OFF TRENCH MUST EXTEND INTO BOTH ABUTMENTS TO AT LEAST THE ELEVATION OF THE RISER CREST. MAKE THE MINIMUM BOTTOM WIDTH WIDE ENOUGH TO PERMIT OPERATION OF EXCAVATION AND COMPACTION EQUIPMENT, BUT IN NO CASE LESS THAN 2 FEET. MAKE SIDE SLOPES OF THE TRENCH NO STEEPER THAN 1:1. COMPACTION REQUIREMENTS ARE THE SAME AS THOSE FOR THE EMBANKMENT. KEEP THE TRENCH DRY DURING BACKFILLING AND COMPACTION OPERATIONS.
3. **EMBANKMENT**— TAKE FILL MATERIAL FROM THE APPROVED AREAS SHOWN ON THE PLANS. IT SHOULD BE CLEAN MINERAL SOIL, FREE OF ROOTS, WOODY VEGETATION, ROCKS, AND OTHER OBJECTIONABLE MATERIAL. SCARIFY AREAS ON WHICH FILL IS TO BE PLACED TO REMOVE ALL WEEDS, STUMPS, AND OTHER WEEDS. THE FILL MATERIAL MUST CONTAIN SUFFICIENT MOISTURE SO IT CAN BE FORMED BY HAND INTO A BALL WITHOUT CRUMBLING. IF WATER CAN BE SQUEEZED OUT OF THE BALL, IT IS TOO WET FOR PROPER COMPACTION. PLACE FILL MATERIAL IN 6 TO 8 INCH CONTINUOUS LAYERS OVER THE ENTIRE LENGTH OF THE FILL AREA AND COMPACT IT. COMPACTION MAY BE OBTAINED BY ROUTING THE CONSTRUCTION HAULING EQUIPMENT OVER THE FILL SO THAT THE ENTIRE SURFACE OF EACH LAYER IS TRAVERSED BY AT LEAST ONE WHEEL OR TREAD TRACK OF HEAVY EQUIPMENT, OR A COMPACTOR MAY BE USED. CONNECTIONS TO THE EMBANKMENT TO AN ELEVATION 10 PERCENT HIGHER THAN THE DESIGN HEIGHT TO ALLOW FOR SETTLEMENT.
4. **CONDUIT SPILLWAYS**— SECURELY ATTACH THE RISER TO THE BARREL OR BARREL STUB TO MAKE A WATERTIGHT STRUCTURAL CONNECTION. SECURE ALL CONNECTIONS BETWEEN BARREL SECTIONS BY APPROVED WATERTIGHT ASSEMBLIES. PLACE THE BARREL AND RISER ON A FIRM, SMOOTH FOUNDATION OF IMPERVIOUS SOIL. DO NOT USE PERVIOUS MATERIAL SUCH AS SAND, GRAVEL, OR CRUSHED STONE AS BACKFILL AROUND THE PIPE OR ANTI-SEEP COLLARS. PLACE THE FILL MATERIAL AROUND THE PIPE SPILLWAY IN 4-INCH LAYERS, AND COMPACT IT UNDER AND AROUND THE PIPE TO AT LEAST THE SAME DENSITY AS THE ADJACENT EMBANKMENT. CARE MUST BE TAKEN NOT TO RAISE THE PIPE FROM FIRM CONTACT WITH ITS FOUNDATION WHEN COMPACTING UNDER THE PIPE HAUNCHES. PLACE A MINIMUM DEPTH OF 2 FEET OF COMPACTED BACKFILL OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT. ANCHOR THE RISER IN PLACE BY CONCRETE OR OTHER SATISFACTORY MEANS TO PREVENT FLOTATION. IN NO CASE SHOULD THE PIPE CONDUIT BE INSTALLED BY CUTTING A TRENCH THROUGH THE DAM AFTER THE EMBANKMENT IS COMPLETE.
5. **EMERGENCY SPILLWAY**— INSTALL THE EMERGENCY SPILLWAY IN UNDISTURBED SOIL. THE ACHIEVEMENT OF PLANNED ELEVATIONS, GRADE, DESIGN WIDTH, AND ENTRANCE AND EXIT CHANNEL SLOPES ARE CRITICAL TO THE SUCCESSFUL OPERATION OF THE EMERGENCY SPILLWAY.
6. **INLETS**— DISCHARGE WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEDIMENT-LADEN WATER TO THE UPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY.
7. **EROSION CONTROL**— CONSTRUCT THE STRUCTURE SO THAT THE DISTURBED AREA IS MINIMIZED. DIVERT SURFACE WATER AWAY FROM BARE AREAS. COMPLETE THE EMBANKMENT BEFORE THE AREA IS LEAVED. STABILIZE THE EMERGENCY SPILLWAY EMBANKMENT AND ALL OTHER DISTURBED AREAS ABOVE THE CREST OF THE PRINCIPAL SPILLWAY IMMEDIATELY AFTER CONSTRUCTION.
8. **INSTALL POROUS BAFFLES AS SPECIFIED IN PRACTICE 6.65, POROUS BAFFLES, OF THE NCDCE EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.**
9. **SAFETY**— SEDIMENT BASINS MAY ATTRACT CHILDREN AND CAN BE DANGEROUS. AVOID STEEP SIDE SLOPES, AND FENCE AND MARK BASINS WITH WARNING SIGNS IF TRESPASSING IS LIKELY. FOLLOW ALL STATE AND LOCAL REQUIREMENTS.

SEDIMENT BASIN WITH RISER
N.T.S.

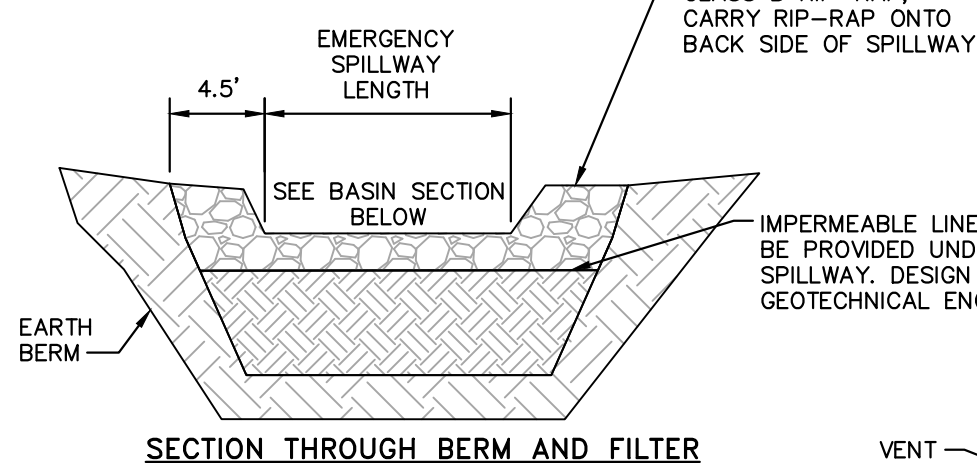
KHA DETAIL NO: 01.405.R01

- MAINTENANCE NOTES:**
1. INSPECT SKIMMER AND TEMPORARY 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 IT ACCUMULATES. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. PLACE REMOVED SEDIMENT IN AN AREA WITH SEDIMENT STORAGE.
 2. 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 BASIN.
 3. 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.
 4. 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.

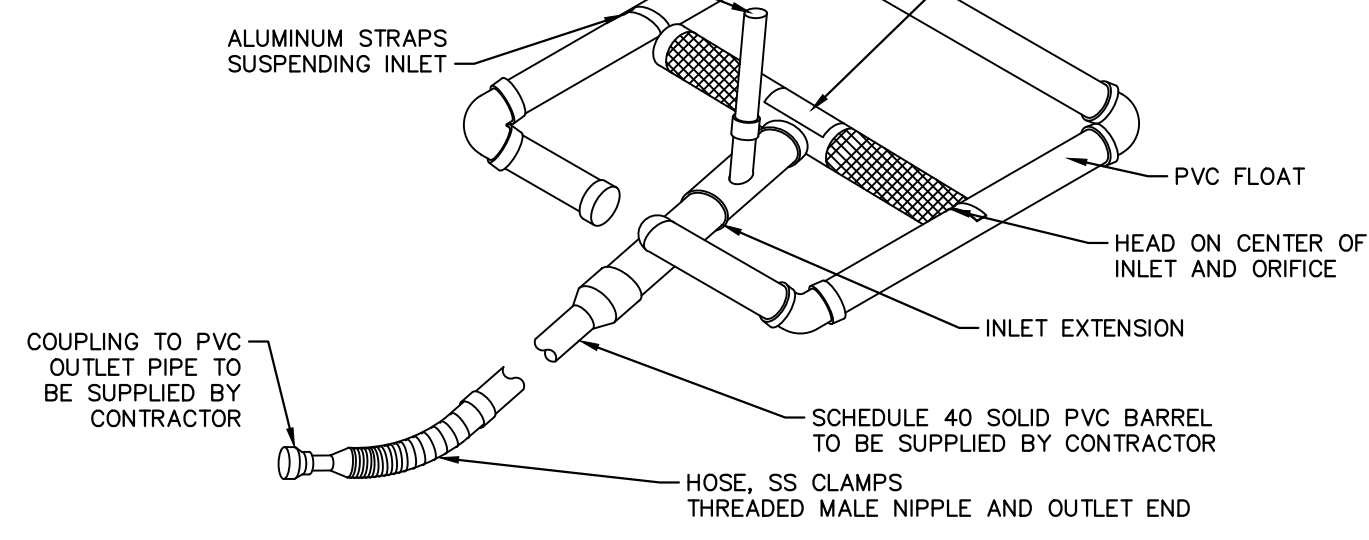
- NOTES:**
1. SKIMMER DEVICE REQUIRED IN EACH SEDIMENT BASIN.
 2. SKIMMER TO BE 4" FAIRCLOTH SKIMMER WITH INLET SIZED TO DRAINER BASIN IN MINIMUM 48 HOURS.
 3. CONTACT J.W. FAIRCLOTH AND SON, (919) 732-1244, FOR ADDITIONAL INFORMATION AND ORDERING OF THE REQUIRED SKIMMERS.
 4. CONTRACTOR WILL PROVIDE A ROPE ATTACHMENT FOR MAINTENANCE.



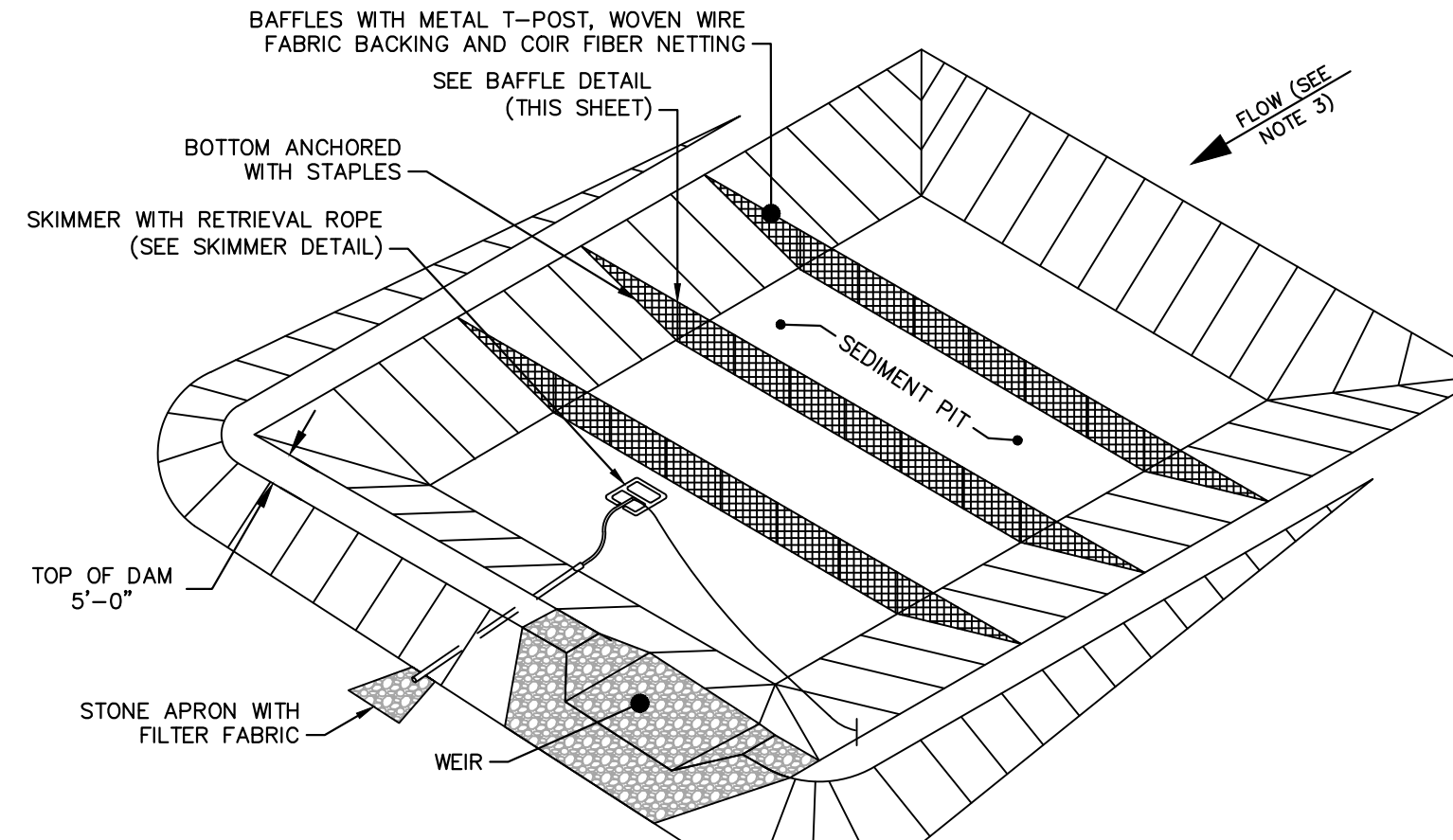
SKIMMER
N.T.S.



SECTION THROUGH BERM AND FILTER

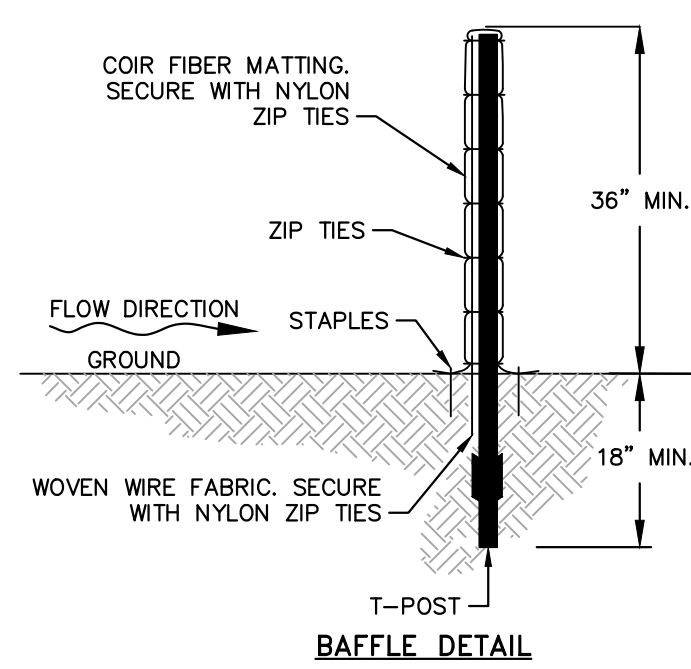


KHA DETAIL NO: 01.402.R02



PERSPECTIVE VIEW

- NOTES:**
1. DRIVE STEEL FENCE POST AT LEAST 18 INCHES INTO SOLID GROUND.
 2. WOOD POST ARE NOT ACCEPTABLE.
 3. DIRECT WATER TO TOP OF BASIN USING STABILIZED DITCH, SLOPE DRAIN PIPE OR OTHER APPROVED METHOD.



BAFFLE DETAIL

CONSTRUCTION SPECIFICATIONS:
MATERIALS

1. USE MATTING MADE OF 100% COCONUT FIBER (COIR) TWINE WOVEN INTO HIGH STRENGTH MATRIX WITH THE PROPERTIES SHOWN IN TABLE 6.65A IN NCDCE EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
2. STAPLES SHOULD BE MADE OF 0.125 INCH DIAMETER NEW STEEL WIRE FORMED INTO A 'U' SHAPE NOT LESS THAN 12 INCHES IN LENGTH WITH A THROAT OF 1 INCH IN WIDTH. THE STAPLES ANCHOR THE POROUS BAFFLES INTO THE SIDES AND BOTTOM OF THE BASIN.

3. ENSURE THAT STEEL POSTS FOR POROUS BAFFLES ARE OF A SUFFICIENT HEIGHT TO SUPPORT BAFFLES AT DESIRED HEIGHT. POSTS SHOULD BE APPROXIMATELY 1-3/8" WIDE MEASURED PARALLEL TO THE FENCE, AND HAVE A MINIMUM WEIGHT OF 1.25 LB/LINEAR FT. THE POSTS MUST BE EQUIPPED WITH AN ANCHOR PLATE HAVING A MINIMUM AREA OF 14.0 SQUARE INCHES AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE, TO HAVE A MEANS OF RETAINING WIRE AND COIR FIBER MAT IN THE DESIRED POSITION WITHOUT DISPLACEMENT.
4. USE 9-GAUGE HIGH TENSION WIRE FOR SUPPORT WIRE.

CONSTRUCTION

1. GRADE THE BASIN SO THAT THE BOTTOM IS LEVEL FRONT TO BACK AND SIDE TO SIDE.
2. INSTALL THE COIR FIBER BAFFLES IMMEDIATELY UPON EXCAVATION OF THE BASINS.
3. INSTALL POSTS ACROSS THE WIDTH OF THE SEDIMENT TRAP.
4. STEEL POSTS SHOULD BE DRIVEN TO A DEPTH OF 24 INCHES AND SPACED A MAXIMUM OF 4 FEET APART. THE TOP OF THE FABRIC SHOULD BE A MINIMUM OF 6 INCHES HIGHER THAN THE INVERT OF THE SPILLWAY. TOPS OF BAFFLES SHOULD BE A MINIMUM OF 2 INCHES LOWER THAN THE TOP OF THE EARTHEN EMBANKMENT.
5. INSTALL AT LEAST THREE ROWS OF BAFFLES BETWEEN THE INLET AND OUTLET DISCHARGE POINT. BASINS LESS THAN 20 FEET IN LENGTH MAY USE 2 BAFFLES.
6. ATTACH A 9 GAUGE HIGH TENSION WIRE STRAND TO THE STEEL POSTS AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION WITH PLASTIC TIES OR WIRE FASTENERS TO PREVENT SAGGING. IF THE TEMPORARY SEDIMENT BASIN WILL BE CONVERTED TO A PERMANENT STORMWATER BASIN OF A GREATER DEPTH, THE BAFFLE HEIGHT SHOULD BE BASED ON THE POOL DEPTH DURING USE AS A TEMPORARY SEDIMENT BASIN.
7. EXTEND 9 GAUGE MINIMUM HIGH TENSION WIRE STRAND TO SIDE OF BASIN OR INSTALL STEEL T-POSTS TO ANCHOR BAFFLE TO SIDE OF BASIN AND SECURE TO VERTICAL END POSTS.
8. DRAPE THE COIR FIBER MAT OVER THE WIRE STRAND MOUNTED AT A HEIGHT OF 6 INCHES ABOVE THE SPILLWAY ELEVATION. SECURE THE COIR FIBER MAT TO THE WIRE STRAND WITH PLASTIC TIES OR WIRE FASTENERS. ANCHOR THE MATTING TO THE SIDES AND FLOOR OF THE BASIN WITH 12 INCH WIRE STAPLES, APPROXIMATELY 1 FT APART, ALONG THE BOTTOM AND SIDE SLOPES OF THE BASIN.
9. DO NOT SPLICE THE FABRIC, BUT USE A CONTINUOUS PIECE ACROSS THE BASIN.
10. ADJUSTMENTS MAY BE REQUIRED IN THE STAPLING REQUIREMENTS TO FIT INDIVIDUAL SITE CONDITIONS.

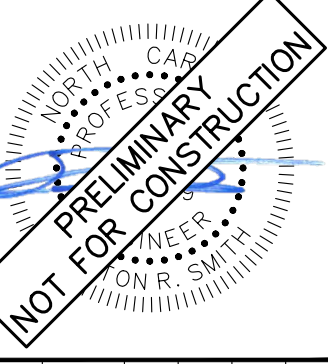
BAFFLE
N.T.S.

KHA DETAIL NO: 01.406.R01

REVISIONS		DATE	BY
6			
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1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
0	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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FRANKLIN COUNTY SUBMITTAL #2
#F-0102 WWW.KIMLEY-HORN.COM PHONE: 919.677.2000 FAX: 919.677.2050
421 FAYETTEVILLE STREET, SUITE 400, RALEIGH, NC 27601



KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

**EROSION CONTROL
DETAILS**

NEW JERUSALEM CHURCH
PREPARED FOR
THE NEW JERUSALEM CHURCH OF
OUR LORD JESUS CHRIST, INC.

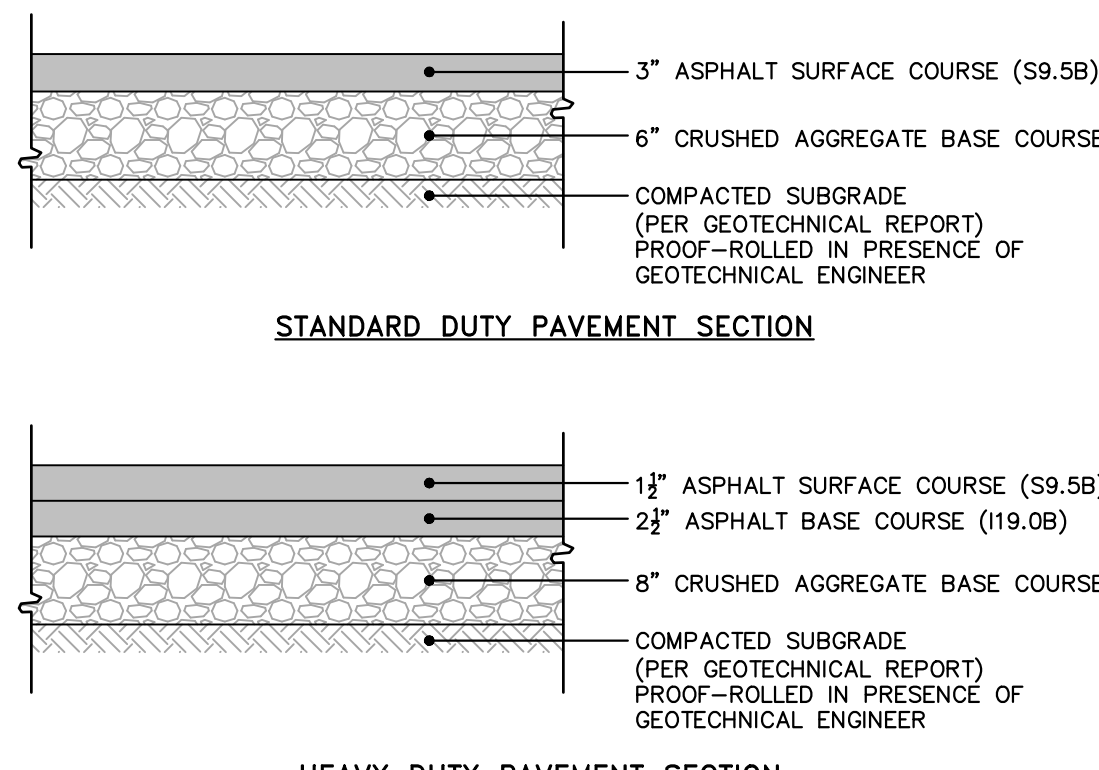
FRANKLIN COUNTY NC

SHEET NUMBER
C-604



Know what's below.
Call before you dig.

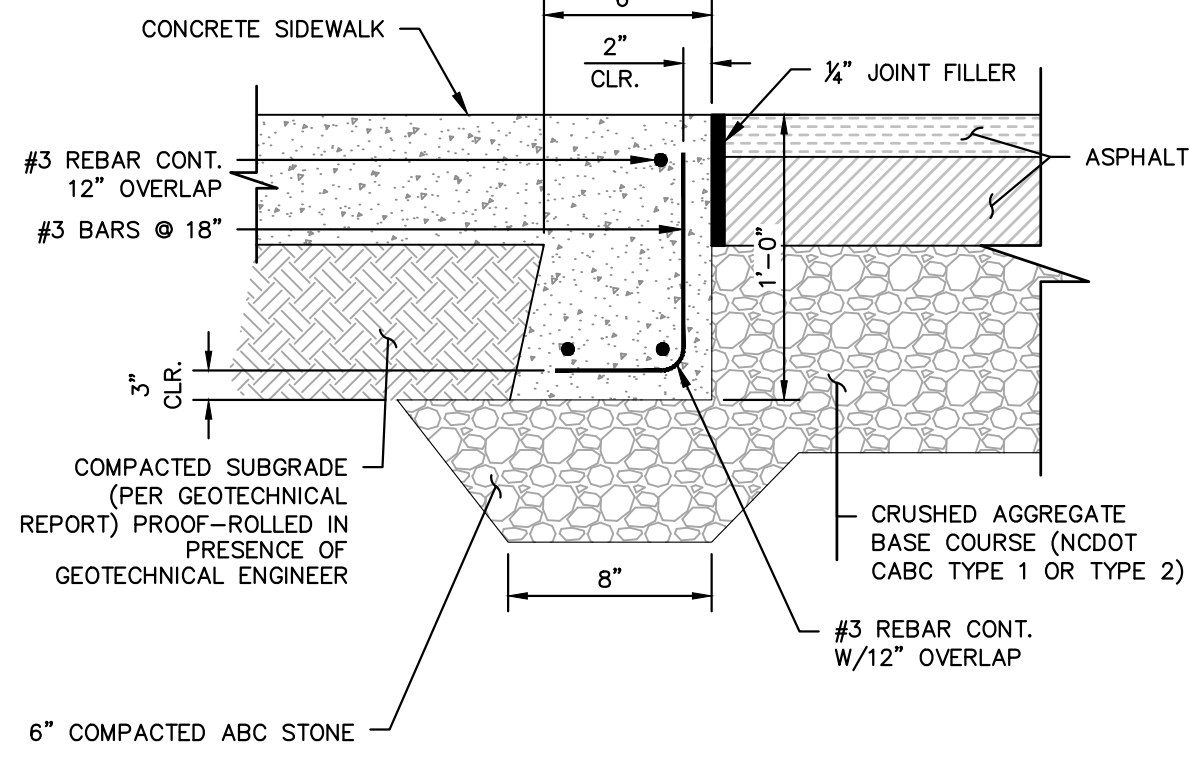
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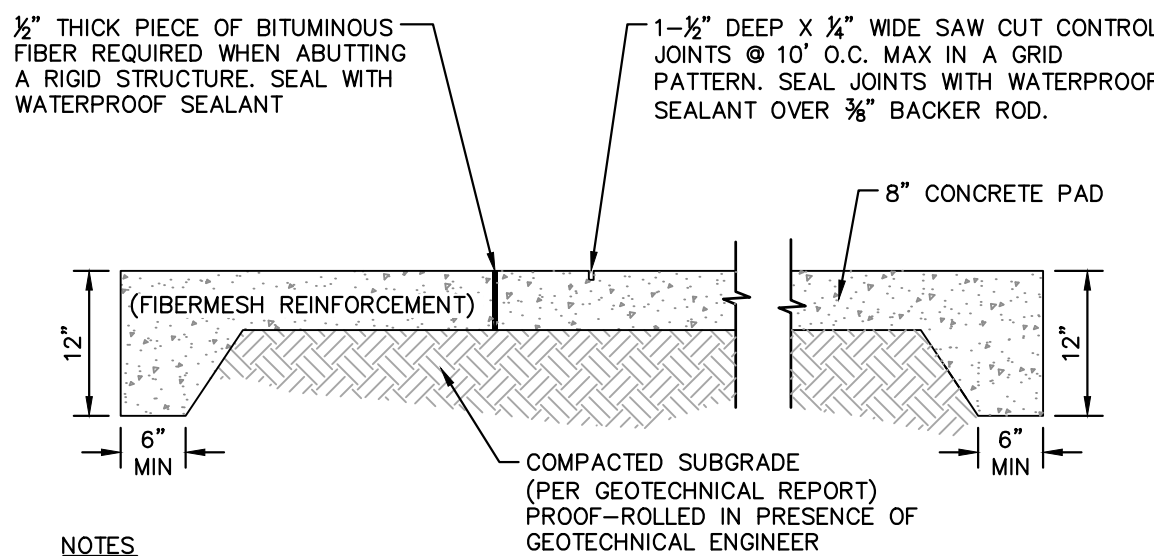
NOTES

- ALL PAVEMENT MATERIALS SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARD SPECIFICATIONS.
- PAVEMENT SECTION MUST MEET THE CRITERIA GIVEN IN THE SITE SOIL REPORT.

ASPHALT PAVEMENT SECTIONS
N.T.S. KHA DETAIL NO: 02.101.R02 **01**



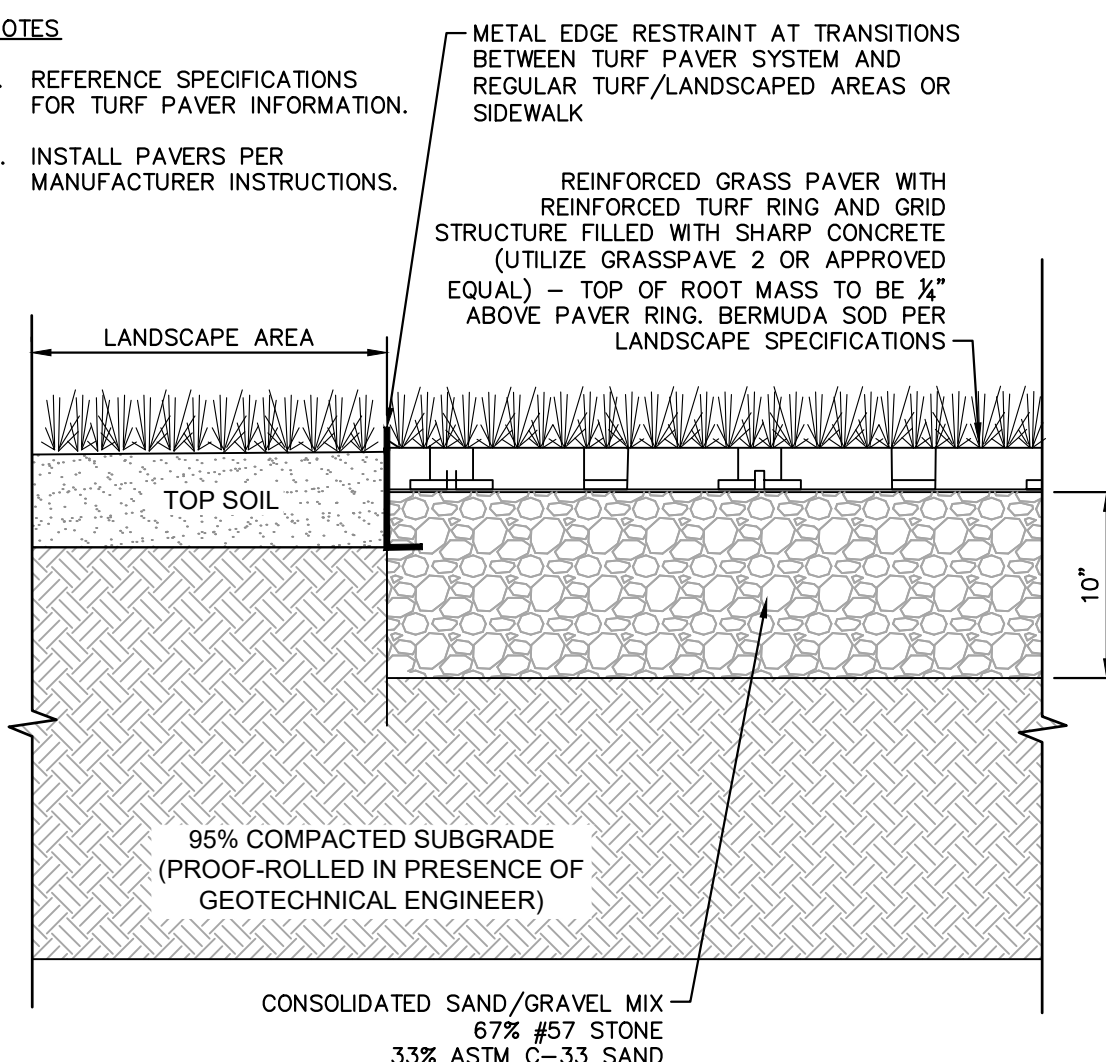
FLUSH CONCRETE SIDEWALK
N.T.S. KHA DETAIL NO: 02.104.R02 **02**



NOTES

- EXPANSION JOINTS AT BUILDINGS OR IMMOVABLE OBJECTS.
- CONTROL JOINTS 12' O.C.
- EXPANSION JOINTS 30' O.C. (MAX)
- CONTROL JOINT SPACING MAY VARY.
- BROOM FINISH

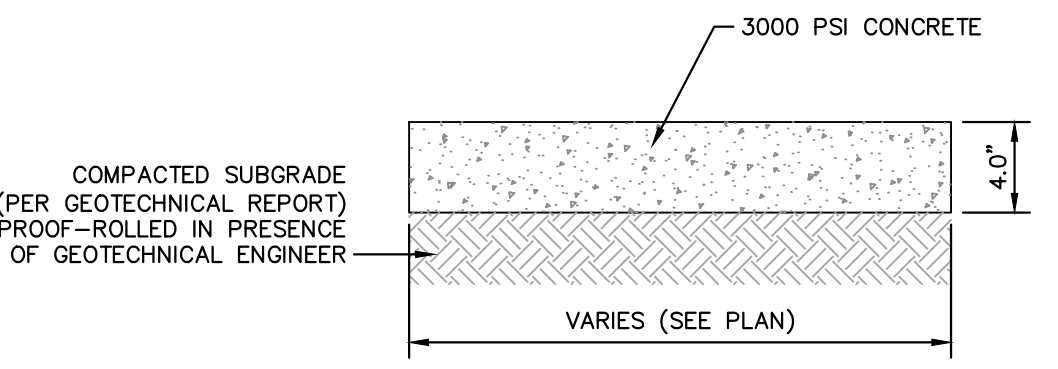
CONCRETE APRON AND DUMPSTER PAD
N.T.S. KHA DETAIL NO: 02.107.R01 **03**



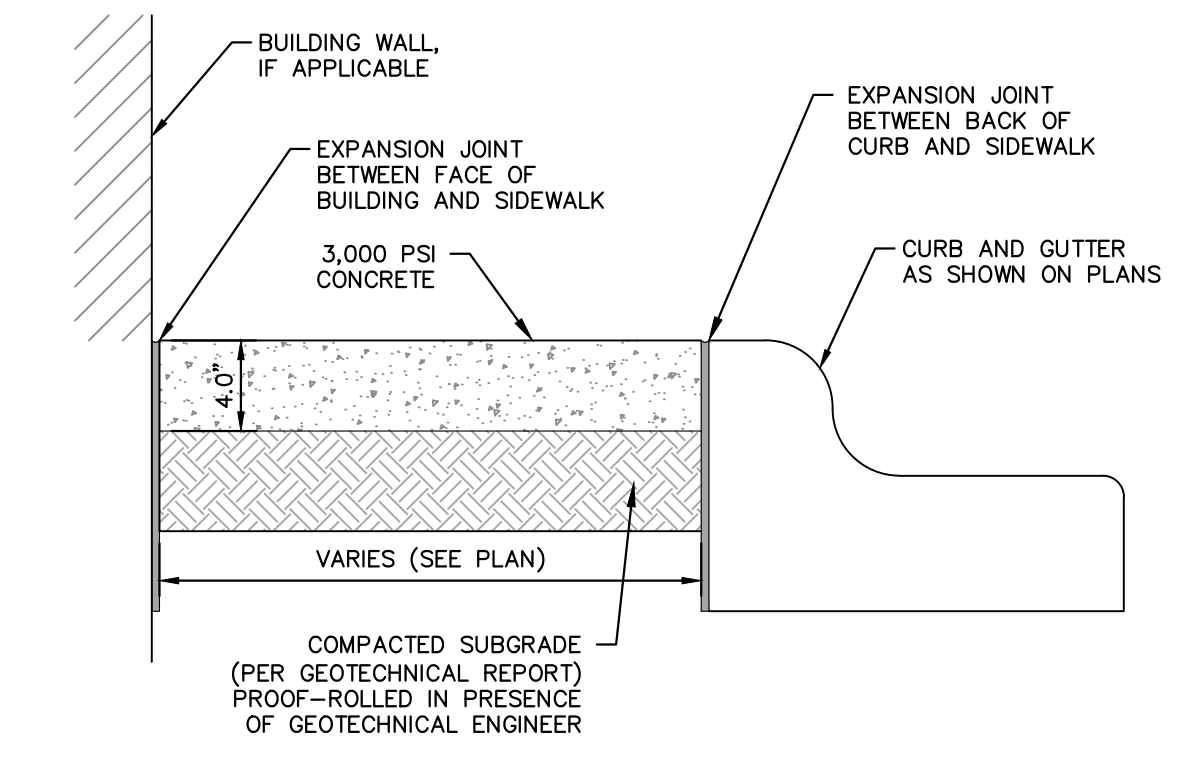
NOTES

- REFERENCE SPECIFICATIONS FOR TURF PAVER INFORMATION.
- INSTALL PAVERS PER MANUFACTURER INSTRUCTIONS.
- METAL EDGE RESTRAINT AT TRANSITIONS BETWEEN TURF PAVER SYSTEM AND REGULAR TURF/LANDSCAPED AREAS OR SIDEWALK.

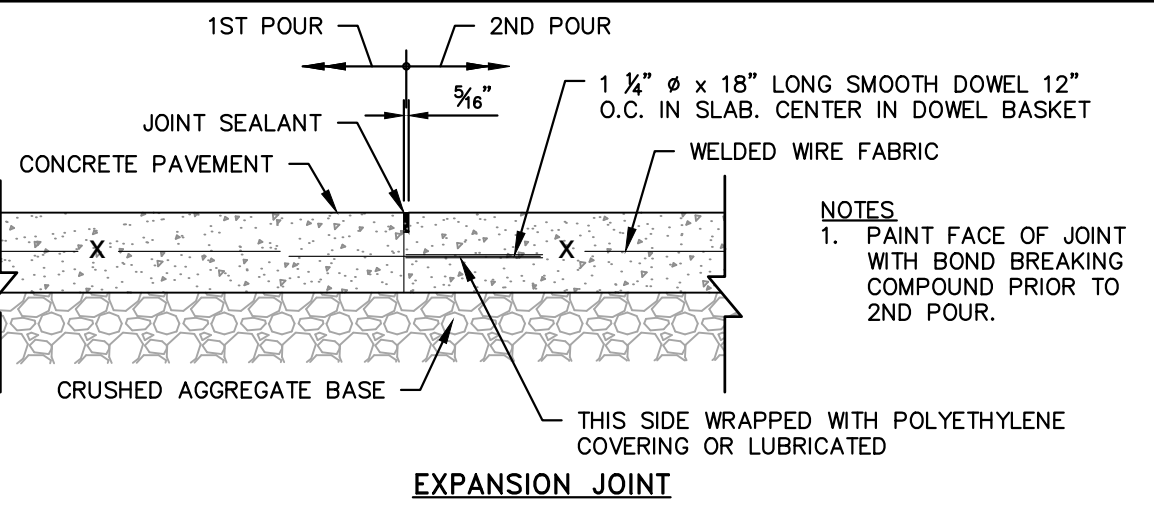
GRASS PAVER FOR FIRE ACCESS DRIVES
N.T.S. KHA DETAIL NO: 02.110.R01 **04**



SIDEWALK SECTION
N.T.S. KHA DETAIL NO: 02.102.R01 **05**



SIDEWALK ADJACENT TO PARKING AREAS
N.T.S. KHA DETAIL NO: 02.105.R02 **06**



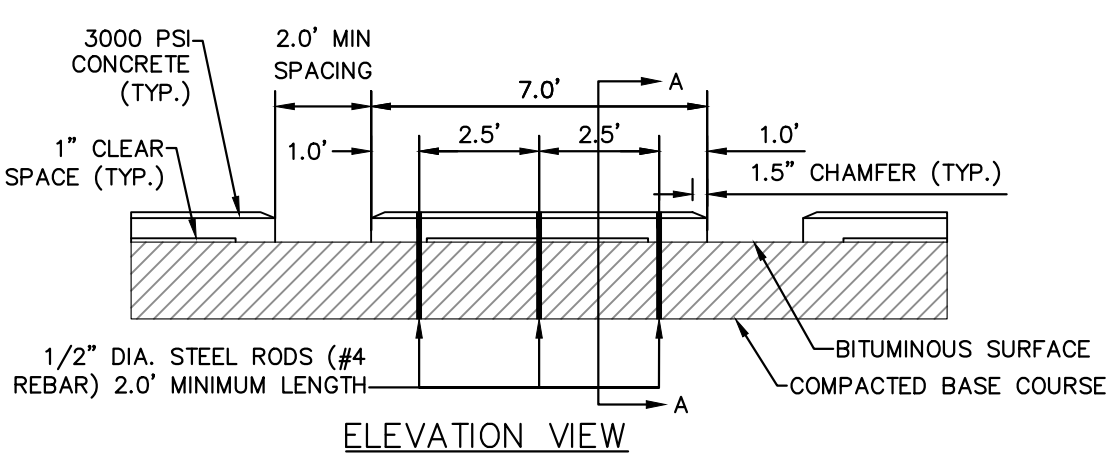
NOTES

- PAINT FACE OF JOINT WITH BOND BREAKING COMPOUND PRIOR TO 2ND POUR.
- JOINT SHALL BE CUT TO A DEPTH EQUAL TO 1/4 OF SLAB DEPTH (T)
- MAXIMUM JOINT SPACING SHALL BE (2-3)X(SLAB THICKNESS IN INCHES) IN ALL DIRECTIONS. SAW JOINTS SHALL BE CUT AT A DEPTH OF AT LEAST 1/4 THE THICKNESS OF THE CONCRETE.

CONTROL JOINT

1. JOINT SHALL BE SAWN/TOOLED IMMEDIATELY AFTER INITIAL SET, BEFORE CONCRETE BEGINS TO COOL, AS SOON AS CONCRETE SURFACE IS FIRM ENOUGH NOT TO BE DAMAGED BY THE BLADE/TOOL, AND BEFORE RANDOM DRYING SHRINKAGE CAN FORM.

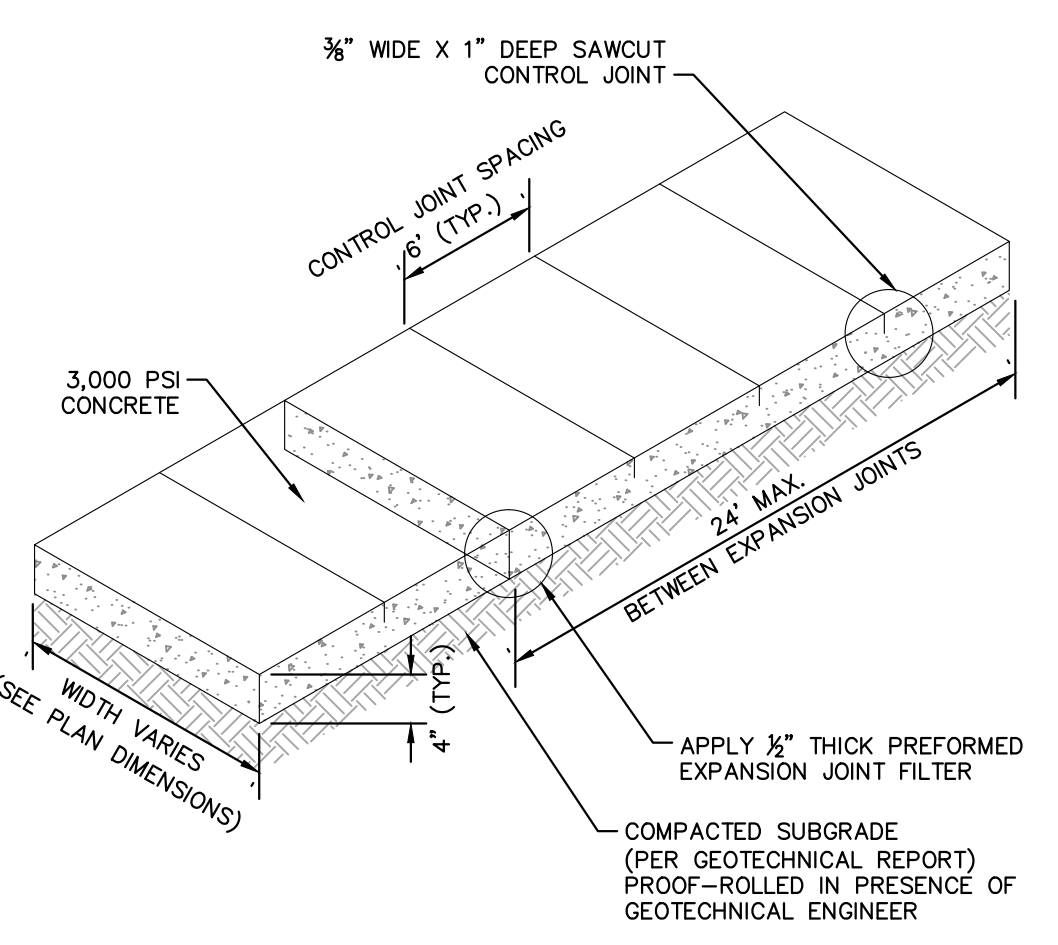
HEAVY DUTY CONTROL AND EXPANSION JOINTS
N.T.S. KHA DETAIL NO: 02.108.R02 **07**



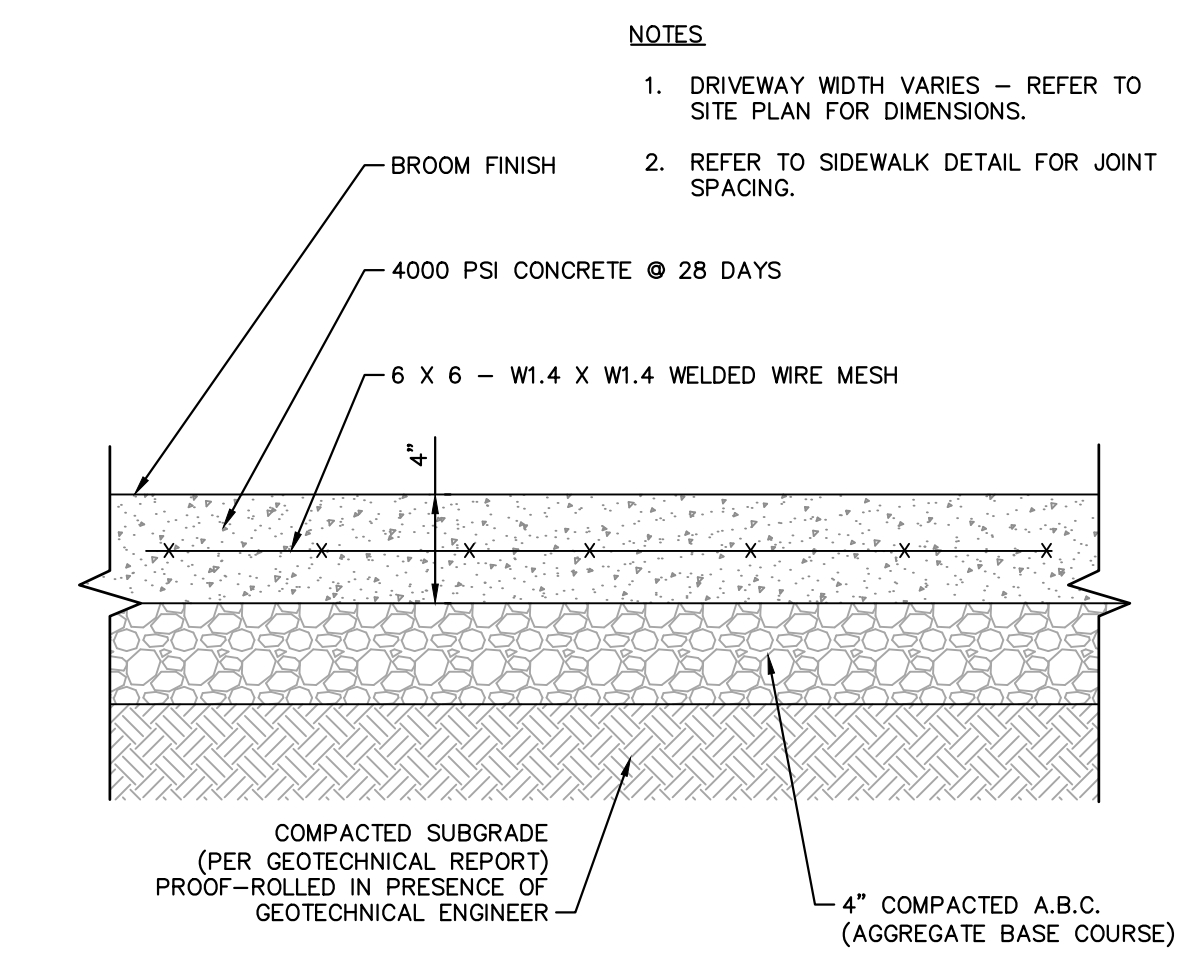
NOTES

- ANCHOR RODS TO BE SLEEVED OR GREASED THRU CONCRETE CURBS TO ALLOW FOR RELOCATION OF WHEEL STOPS.
- SEE SITE PLAN FOR WHEEL STOP LOCATIONS. TYPICALLY PLACED 2.5' OFF OF BACK OF CURB ON PAVEMENT.

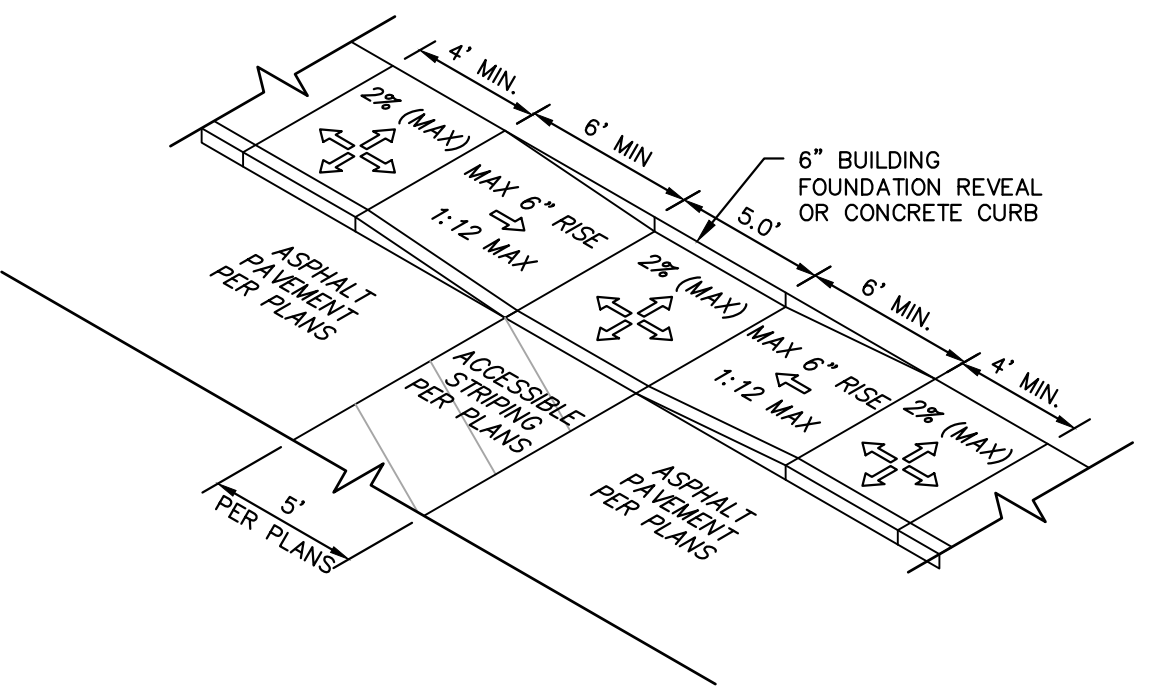
WHEEL STOP
N.T.S. KHA DETAIL NO: 02.111.R02 **08**



SIDEWALK
N.T.S. KHA DETAIL NO: 02.103.R02 **09**



CONCRETE DRIVEWAY
N.T.S. KHA DETAIL NO: 02.106.R01 **10**



NOTES

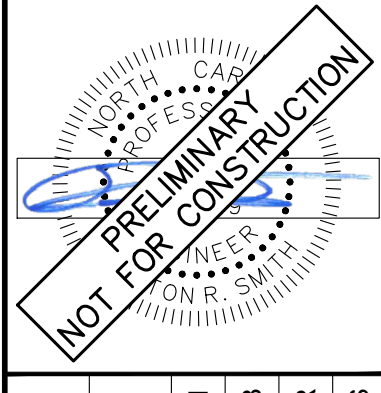
- ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS WHICHEVER ARE MORE STRINGENT.
- CURB RAMPS SHALL BE CONCRETE WITH STRENGTH OF 3,000 PSI.
- INSTALL 1/4" EXPANSION JOINT FILLER MATERIAL BETWEEN A NEW CURB RAMP AND THE EXISTING SIDEWALKS.
- WATER PONDING WITHIN THE CURB RAMP LIMITS IS NOT ALLOWED.
- NO GRADE BREAK IS ALLOWED ALONG THE RAMP SURFACE.
- CROSS SLOPE OF THE CURB RAMP SURFACE SHALL BE LESS THAN 2%.

DEPRESSED CURB RAMP
N.T.S. KHA DETAIL NO: 02.109.R02 **11**

NO.	REVISIONS	DATE
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024
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KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
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DRAWN BY	ELR
CHECKED BY	ARS

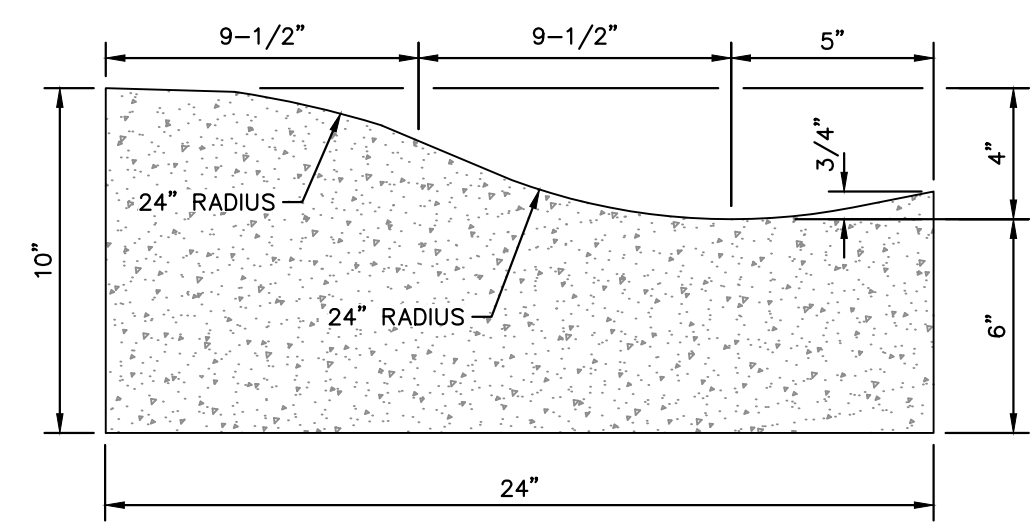
SITE DETAILS

NEW JERUSALEM CHURCH
 PREPARED FOR
THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.

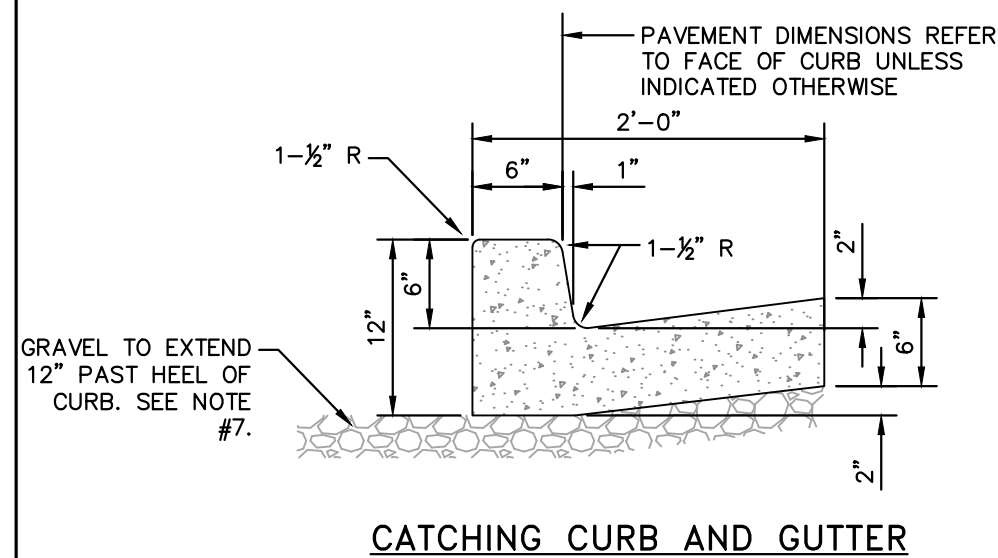
FRANKLIN COUNTY NC



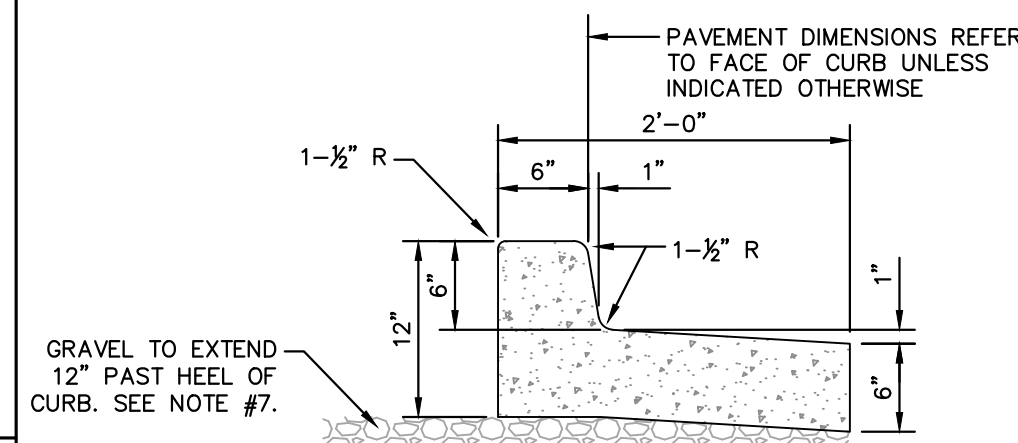
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24" MOUNTABLE CURB AND GUTTER
N.T.S. KHA DETAIL NO: 02.201.R01



CATCHING CURB AND GUTTER



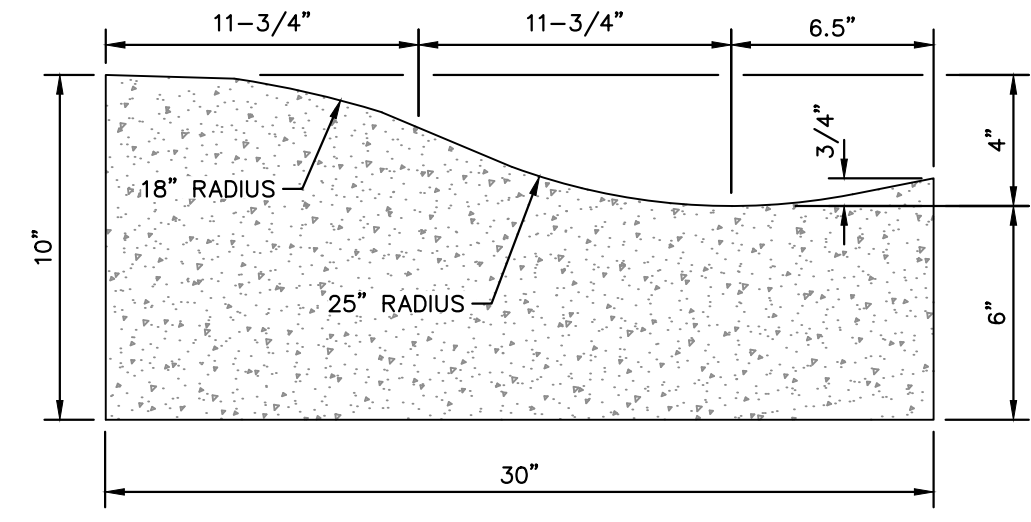
DRY CURB AND GUTTER

PLAN SYMBOL:

NOTE:
INSTALL SPILL CURB IN AREAS WHERE PAVEMENT SLOPES AWAY FROM CURB.

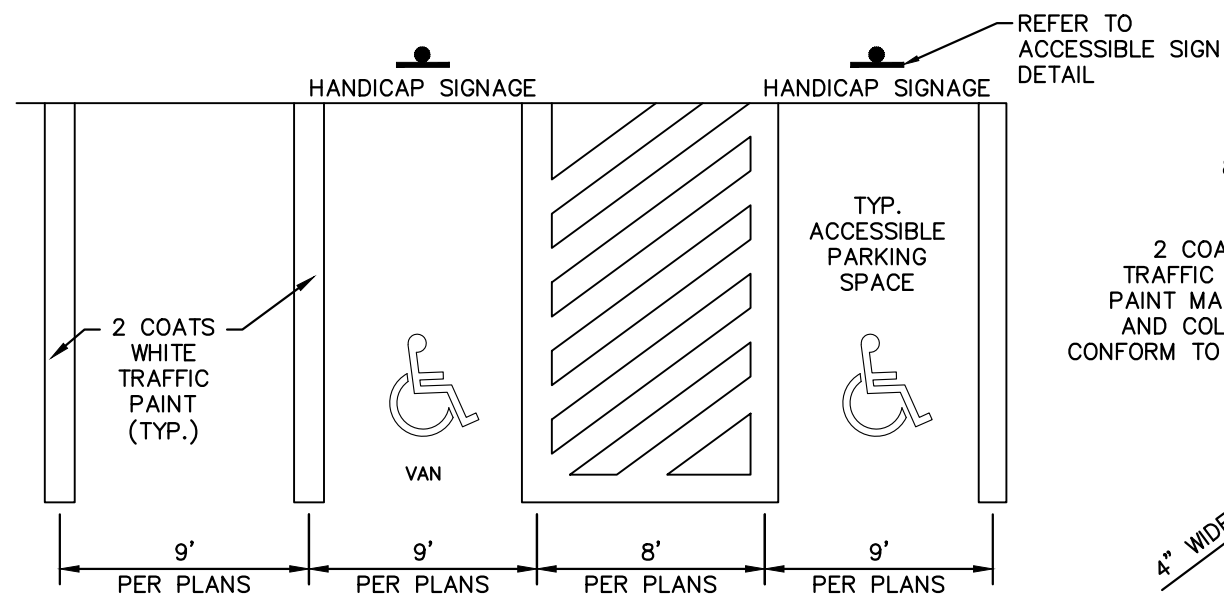
CURB AND GUTTER NOTES

- CONTRACTION JOINTS SHALL BE SPACED AT 10-FOOT INTERVALS. JOINT SPACING MAY BE ALTERED BY THE ENGINEER TO PREVENT UNCONTROLLED CRACKING.
- CONTRACTION JOINTS MAY BE INSTALLED BY THE USE OF TEMPLATES OR FORMED BY OTHER APPROVED METHODS. WHERE SUCH JOINTS ARE NOT FORMED BY TEMPLATES, A MINIMUM DEPTH OF 1 1/2" SHALL BE OBTAINED.
- ALL EXPANSION JOINTS SHALL BE SPACED AT 90 FOOT INTERVALS, AND ADJACENT TO ALL RIGID OBJECTS. JOINTS SHALL MATCH LOCATIONS WITH JOINTS IN ADJUTING SIDEWALK.
- CONCRETE COMPRESSIVE STRENGTH SHALL BE 3000 P.S.I. IN 28 DAYS.
- CURB SHALL BE DEPRESSED AT INTERSECTIONS TO PROVIDE FOR FUTURE ACCESSIBLE RAMPS. REFER TO SITE PLAN FOR LOCATIONS.
- TOP 6" OF SUBGRADE BENEATH THE CURB AND GUTTER SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
- EXTEND GRAVEL 12" PAST HEEL OF CURB IF REQUIRED PER GEOTECHNICAL RECOMMENDATIONS, MIN. DEPTH 4" IF FIELD CONDITIONS WARRANT.



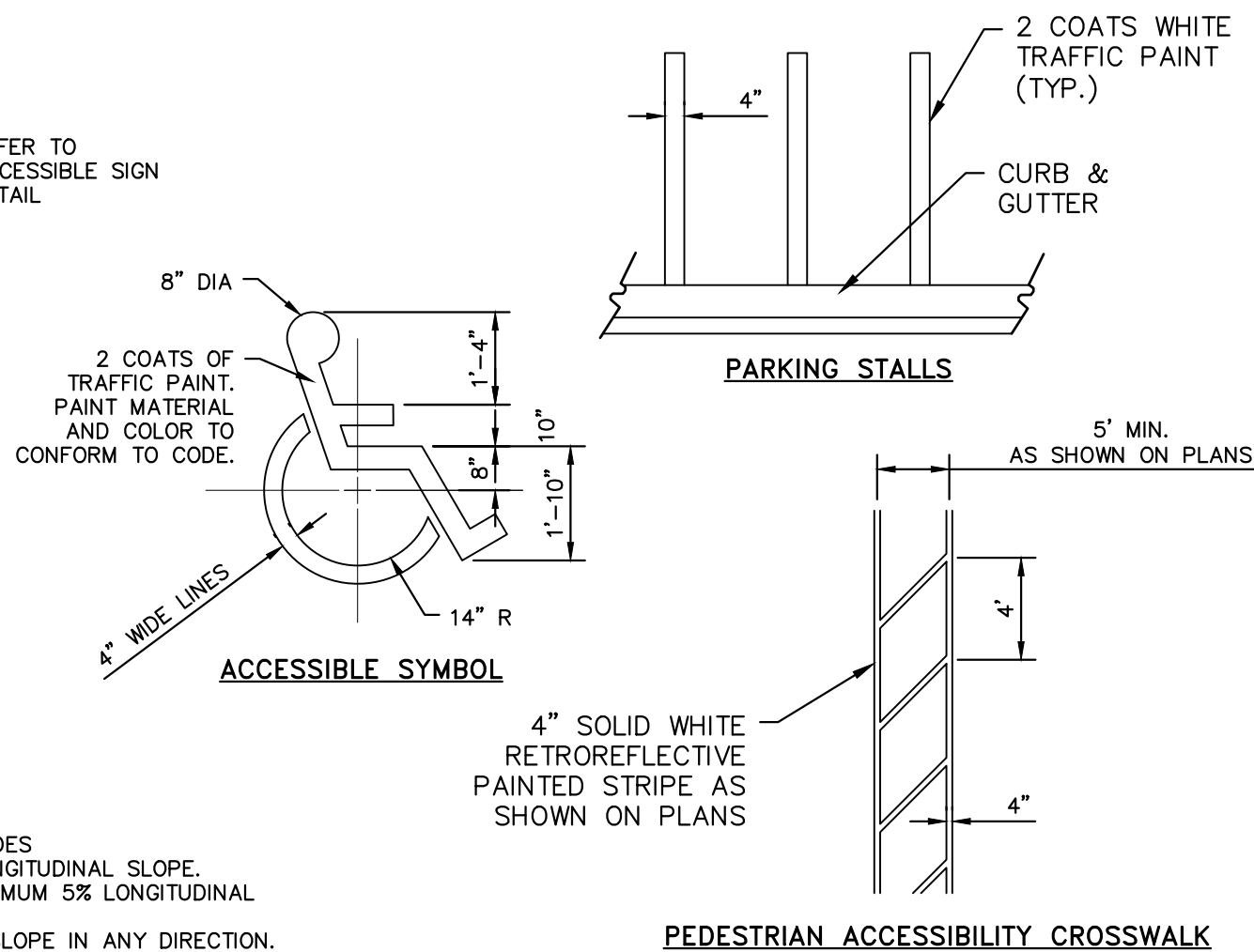
30" MOUNTABLE CURB AND GUTTER
N.T.S. KHA DETAIL NO: 02.202.R01

24" CURB AND GUTTER
N.T.S. KHA DETAIL NO: 02.203.R01

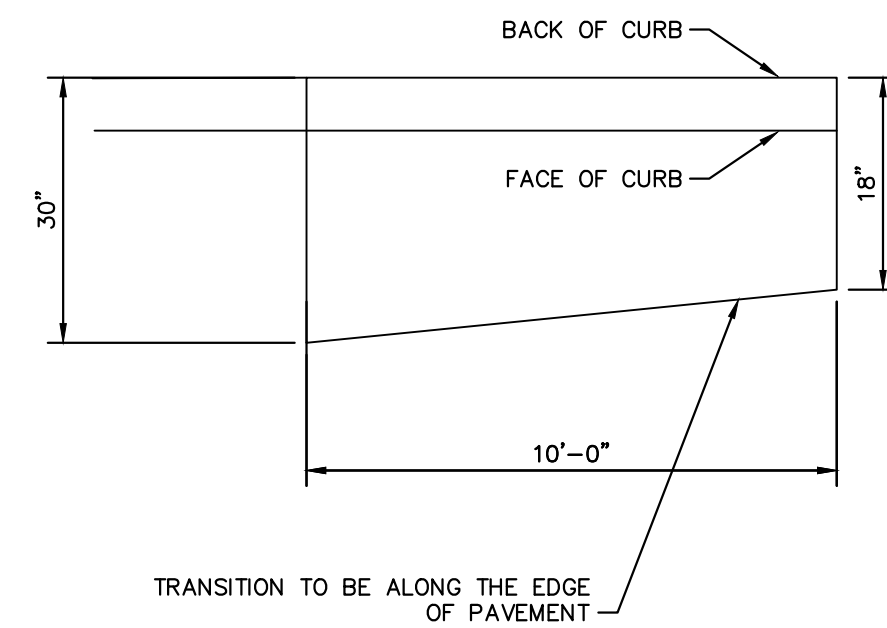


- NOTES**
- SEE SITE DEVELOPMENT PLAN FOR PARKING DIMENSIONS AND LAYOUT
 - DIMENSIONS SHOWN ARE MINIMUMS
 - ALL STRIPING TO CONFORM TO THE APPLICABLE LOCAL AND FEDERAL CODES
 - SIDEWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND A MAXIMUM 5% LONGITUDINAL SLOPE.
 - PEDESTRIAN CROSSWALKS TO HAVE MAXIMUM 2% CROSS SLOPE AND MAXIMUM 5% LONGITUDINAL SLOPE WITHIN STRIPED AREA.
 - ADA PARKING AREAS AND ACCESSIBLE AREAS TO HAVE A MAXIMUM 2% SLOPE IN ANY DIRECTION.
 - SIDEWALK INTERSECTIONS AND RAMP LANDINGS TO HAVE A MAXIMUM 2% SLOPE IN ANY DIRECTION.

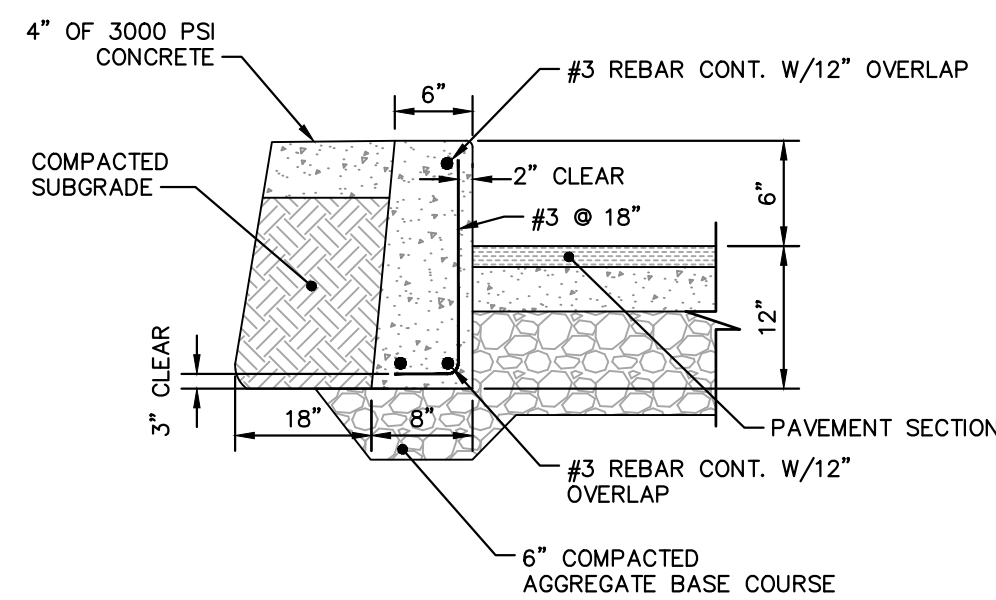
PAVEMENT STRIPING
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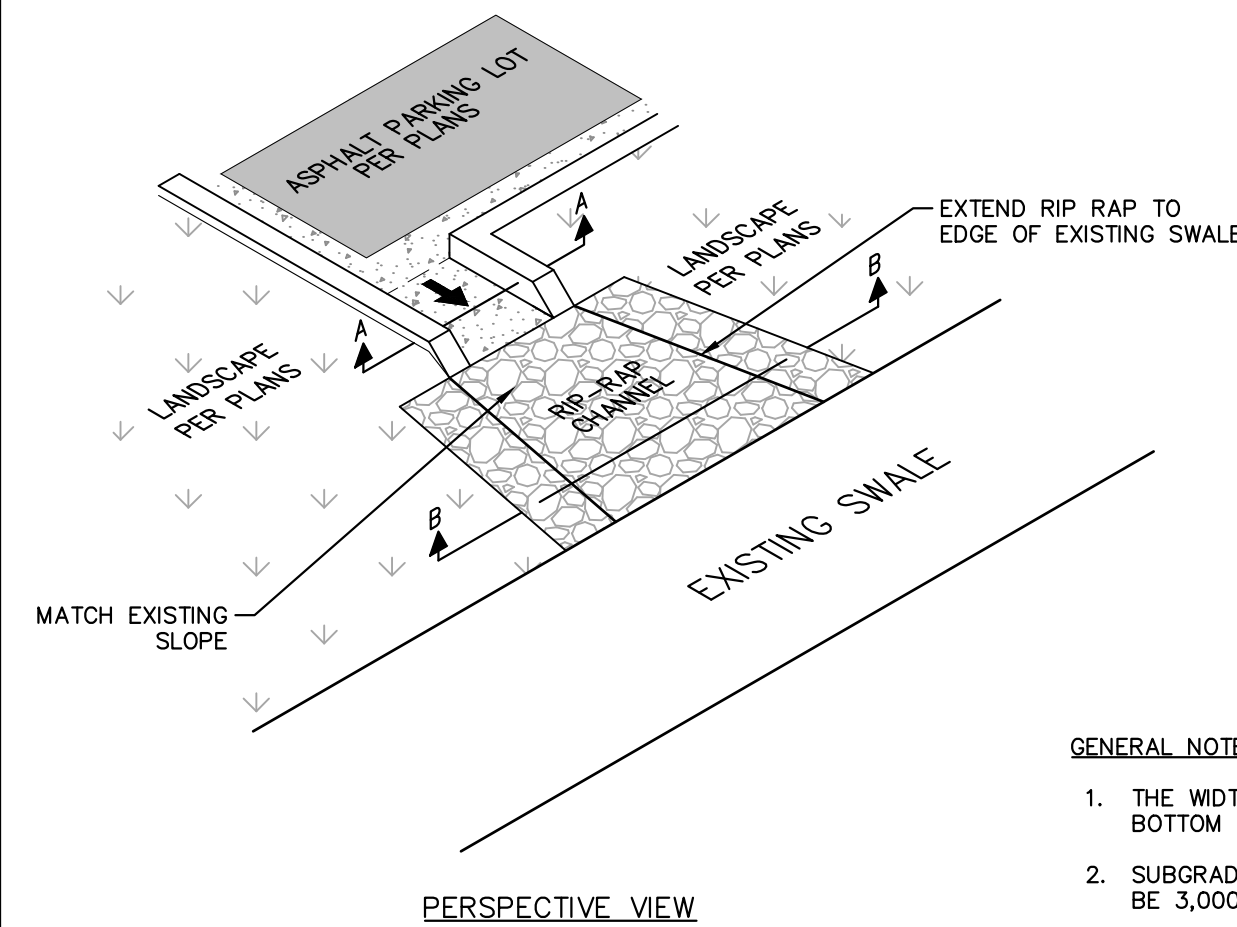
PEDESTRIAN ACCESSIBILITY CROSSWALK



10" CURB TRANSITION (30" TO 18")
N.T.S. KHA DETAIL NO: 02.204.R01

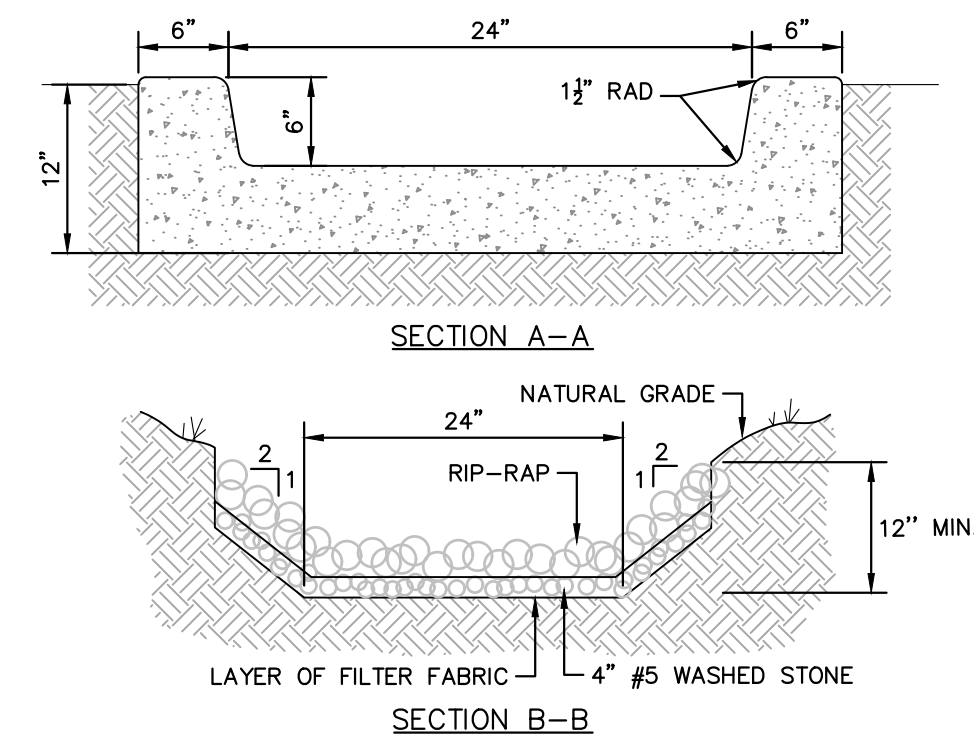


6" HEADER CURB
N.T.S. KHA DETAIL NO: 02.205.R01



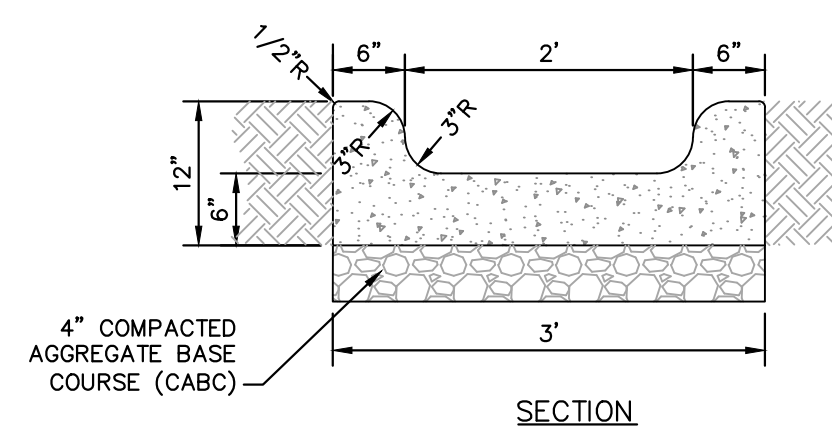
PERSPECTIVE VIEW

CONCRETE FLUME WITH RIP-RAP CHANNEL
N.T.S. KHA DETAIL NO: 02.207.R01



GENERAL NOTES

- THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL.
 - SUBGRADE TO BE COMPACTED TO 95% OR GREATER, ALL CONCRETE TO BE 3,000 PSI IN 28 DAYS.
- MAINTENANCE NOTES**
- RIP-RAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR AND/OR DISLODGED STONES. CONTROL OF WEED AND BRUSH MAY BE NECESSARY.

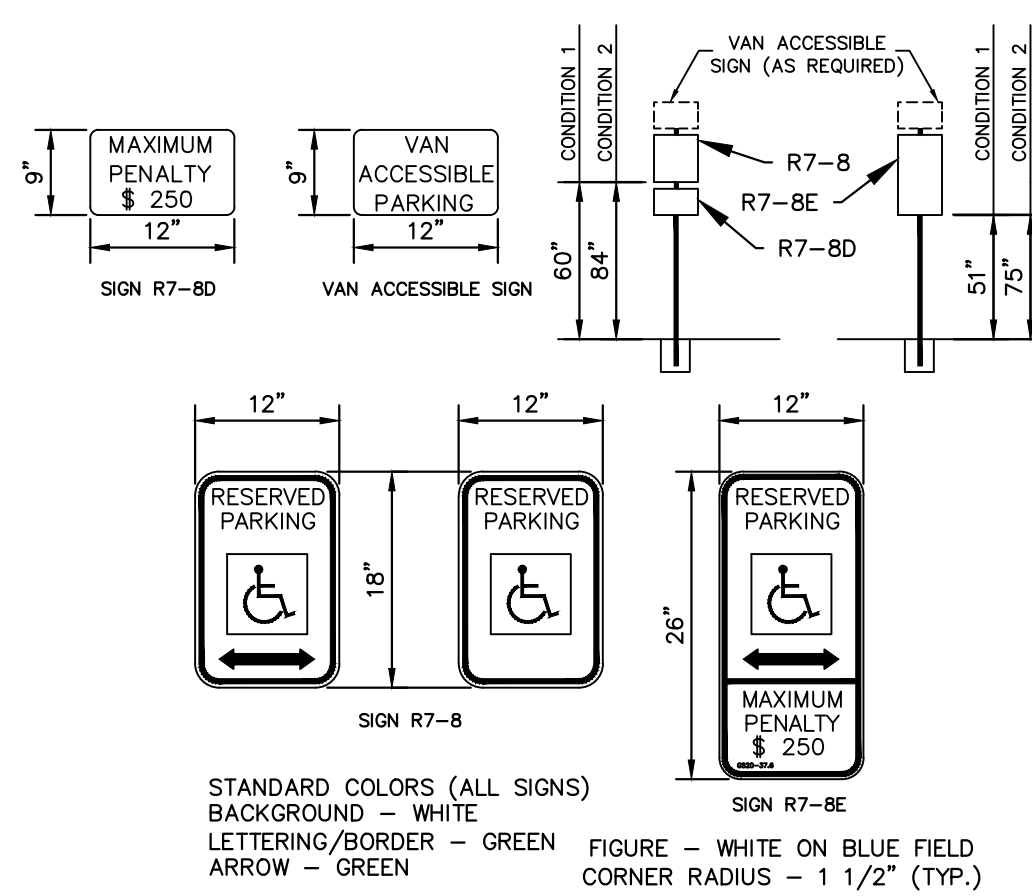


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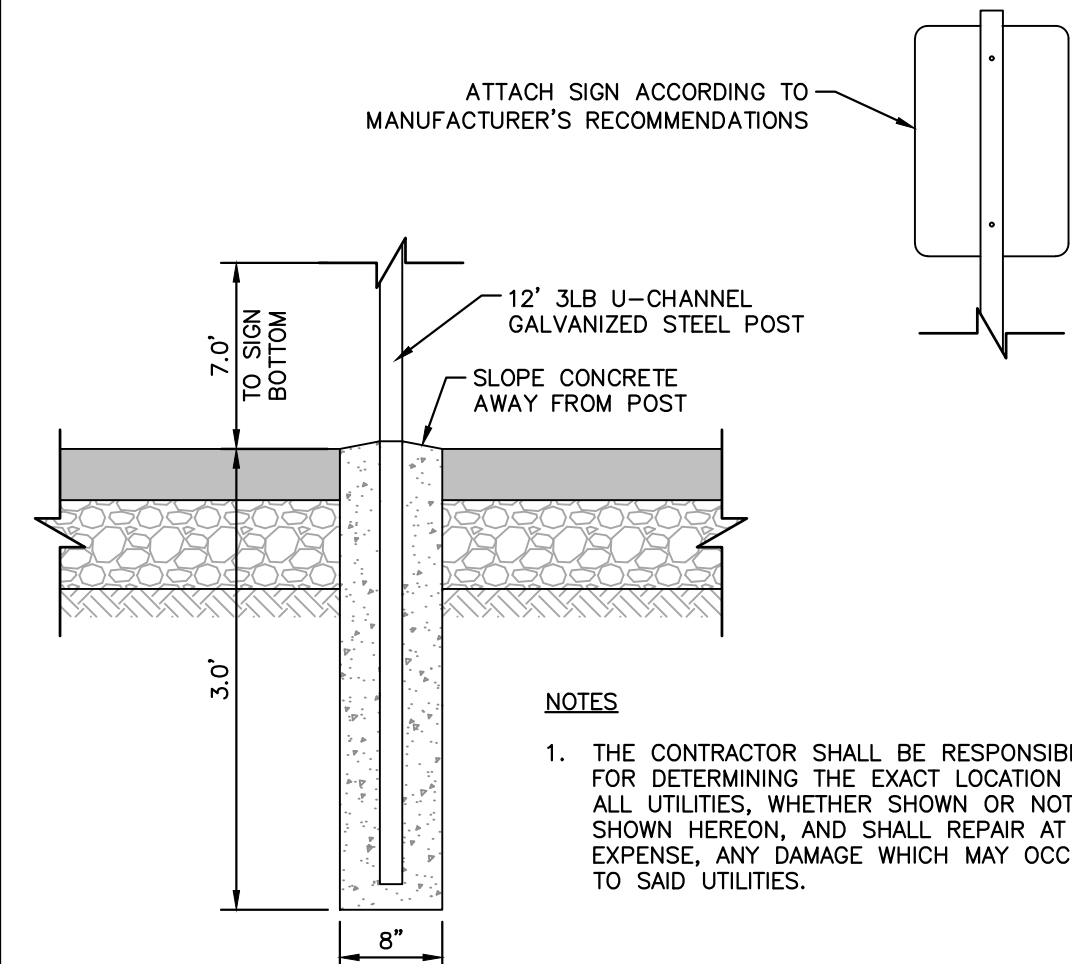
NOTES

- CONCRETE SHALL BE 3000 P.S.I.
- CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS. (A 15' SPACING WILL BE ALLOWED WHEN A MACHINE IS USED.)
- FINISH ALL CONCRETE WITH CURING COMPOUND.
- CABC TO BE INSTALLED UNDER CONCRETE FLUME PER GEOTECHNICAL RECOMMENDATIONS IF FIELD CONDITIONS WARRANT.

CONCRETE FLUME
N.T.S. KHA DETAIL NO: 02.206.R01



ACCESSIBLE SIGN
N.T.S. KHA DETAIL NO: 02.308.R01



NOTES

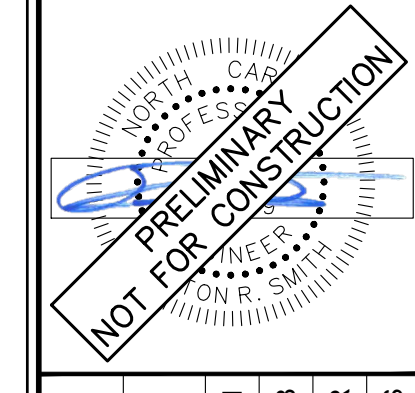
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES, WHETHER SHOWN OR NOT SHOWN HEREON, AND SHALL REPAIR AT HIS EXPENSE, ANY DAMAGE WHICH MAY OCCUR TO SAID UTILITIES.

SIGN POST
N.T.S. KHA DETAIL NO: 02.304.R02

6	5	4	3	2	1	0
NO.	REVISIONS	DATE	BY	DATE	BY	DATE

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KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

SITE DETAILS

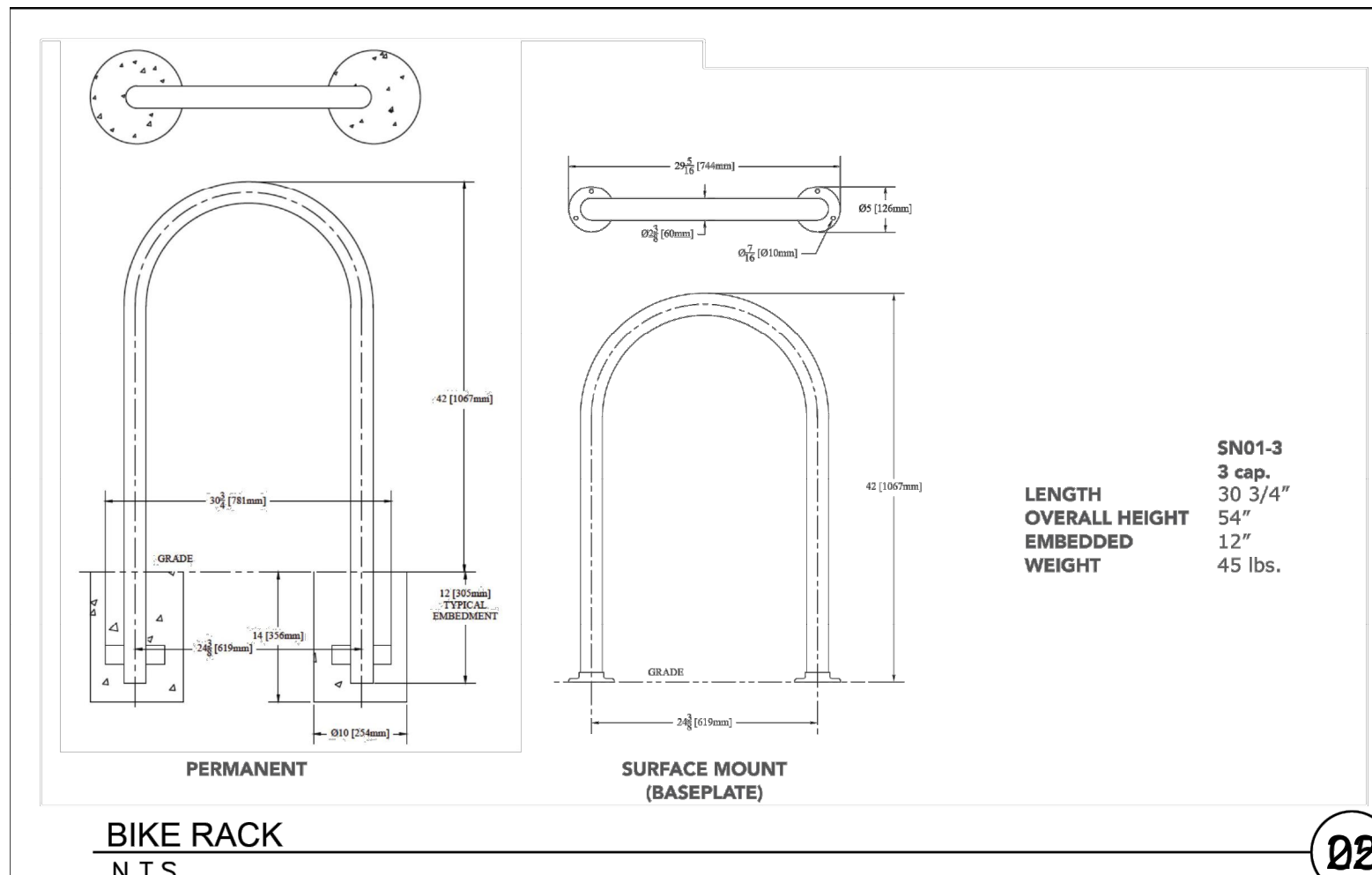
NEW JERUSALEM CHURCH
 PREPARED FOR
THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.

FRANKLIN COUNTY NC

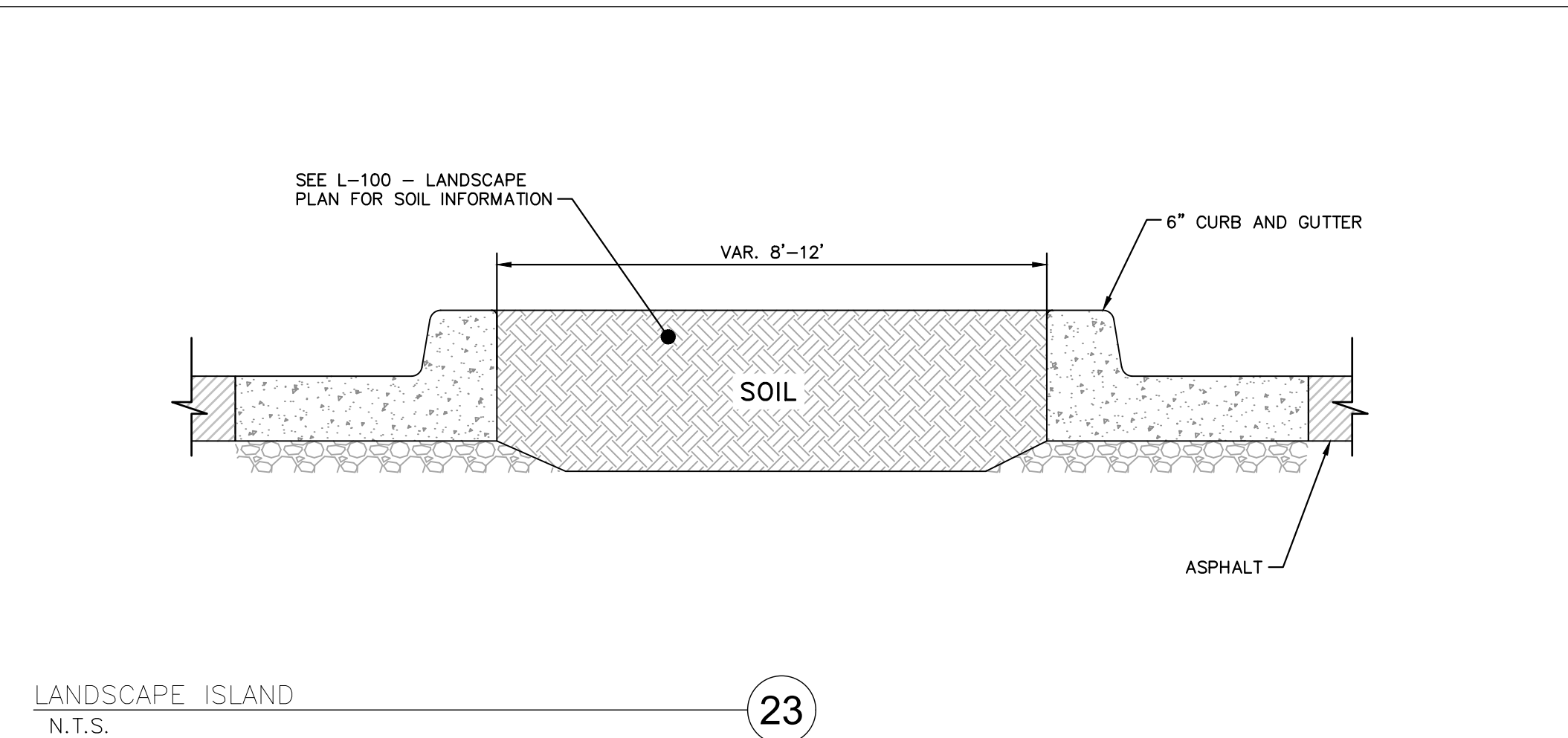
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BIKE RACK
N.T.S.



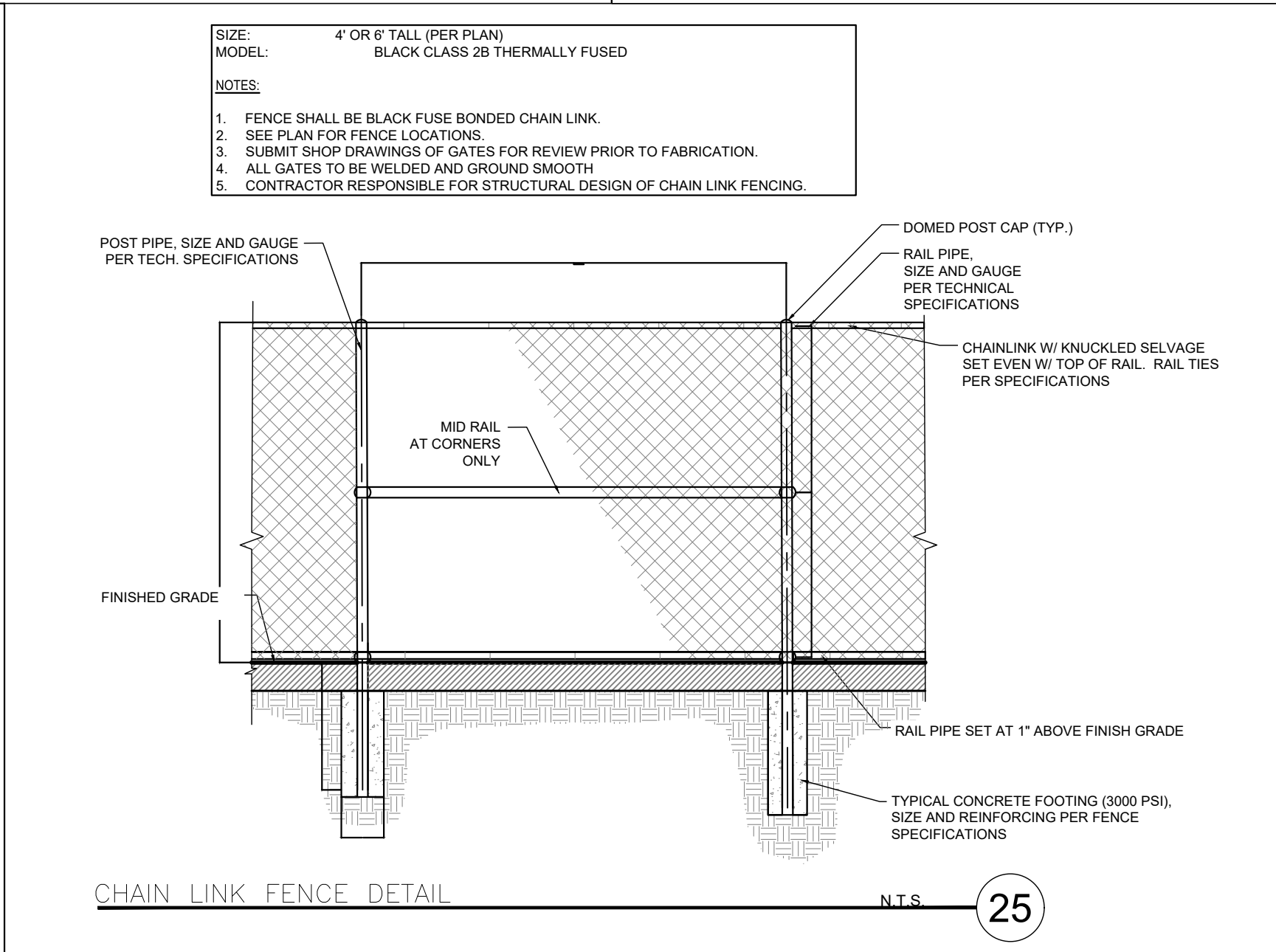
LANDSCAPE ISLAND
N.T.S.

24

STANDARD SITE SIGNAGE
Not to Scale

UNLESS OTHERWISE NOTED ON PLANS

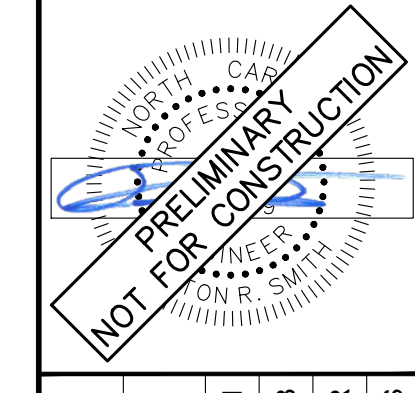
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2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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016675000	05/30/2024	AS SHOWN	ALB	ELR	ARS

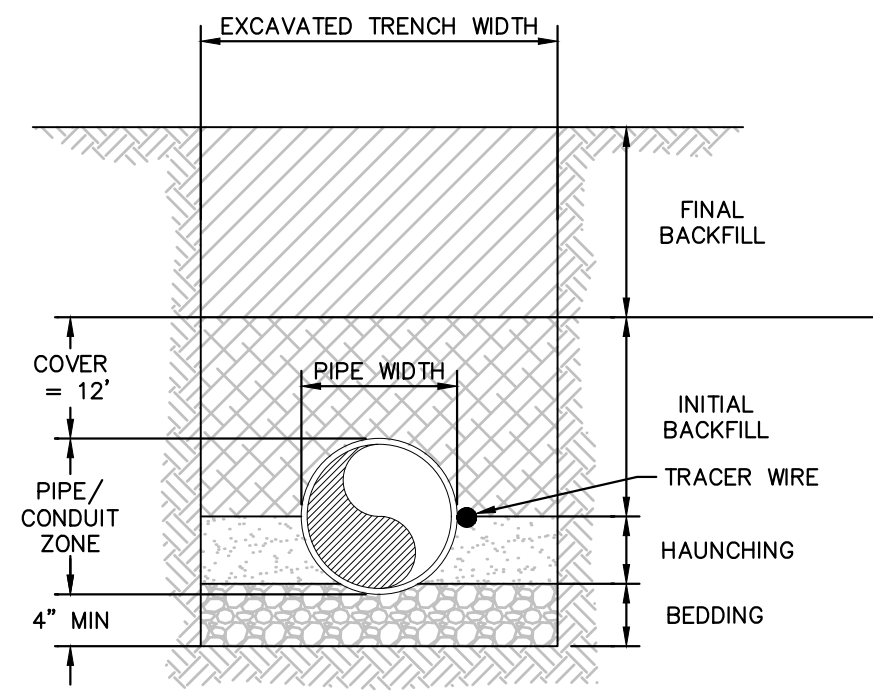
SITE DETAILS

NEW JERUSALEM CHURCH
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THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

SHEET NUMBER
C-607



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GENERAL NOTES

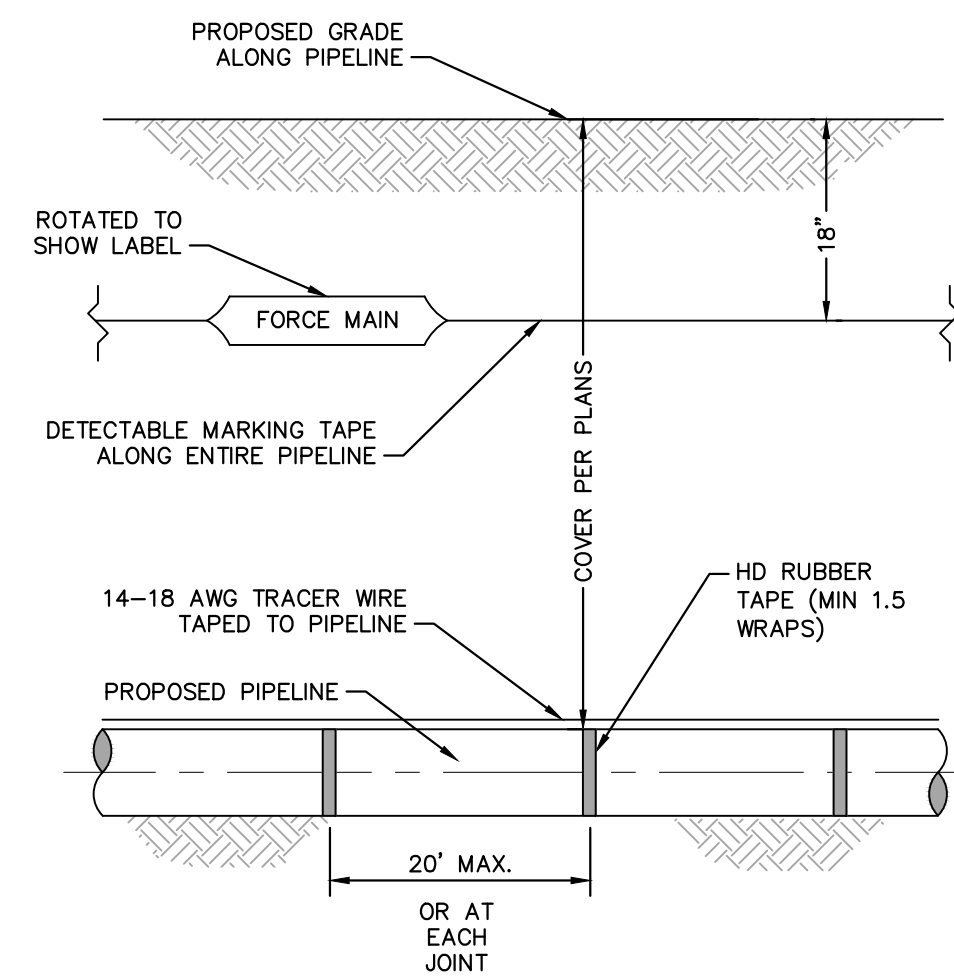
- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS I-B COMPACTED TO 85 PROCTOR.
- HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS I-B OR CLASS II COMPACTED TO 85% PROCTOR.
- INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS I-B OR CLASS II COMPACTED TO 85% STANDARD PROCTOR.
- INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS III COMPACTED TO 90% STANDARD PROCTOR.
- FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3 AND 4.
- FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95 STANDARD PROCTOR.
- ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2321-89.
- ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698. CLASS III AND IV-A MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
- FILL SALVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANIC AND ROCKS LARGER THAN 3".
- ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED, OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES.

BEDDING AND TRENCH

N.T.S.

KHA DETAIL NO: 05.101.R01

01

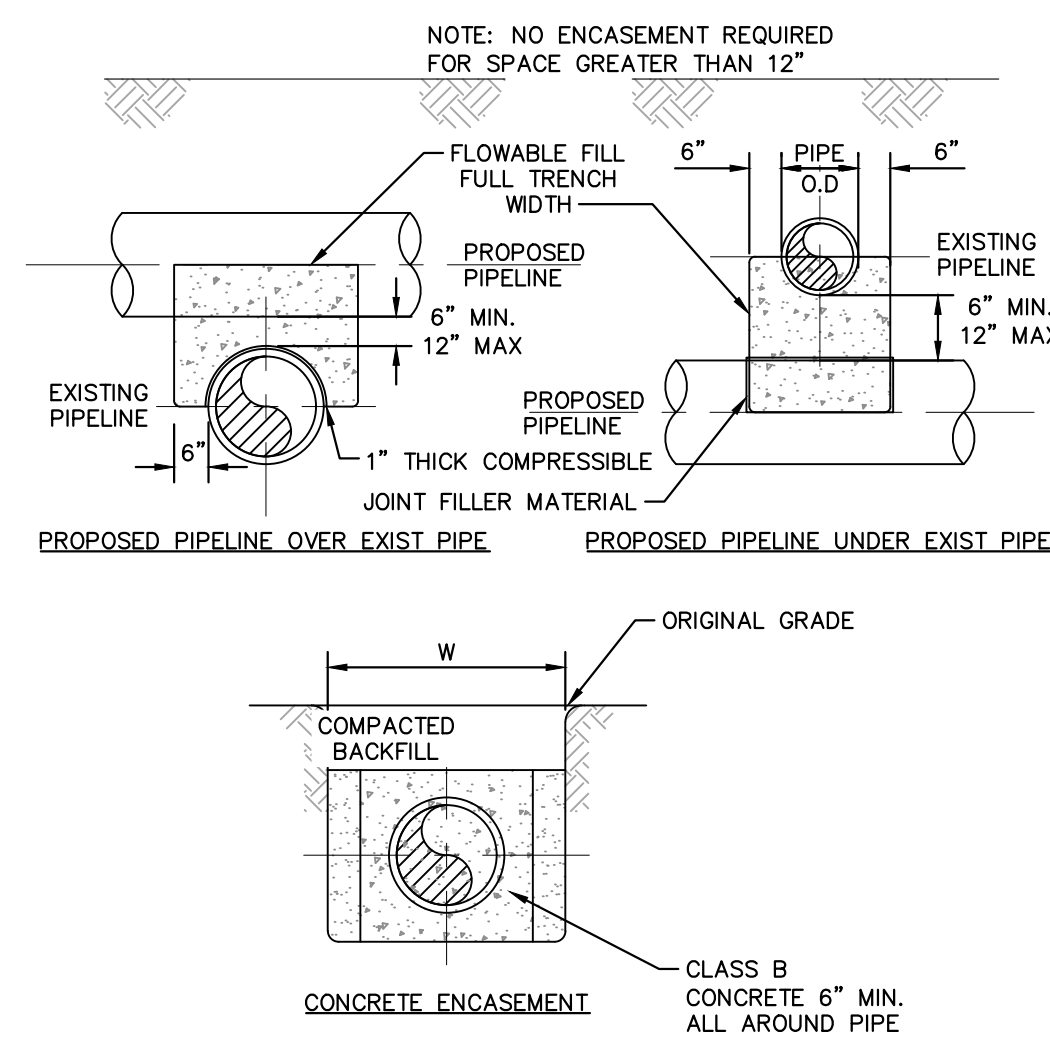


DETECTABLE MARKING TAPE AND WIRE

N.T.S.

KHA DETAIL NO: 05.102.R01

02



CONCRETE ENCASUREMENT DETAILS

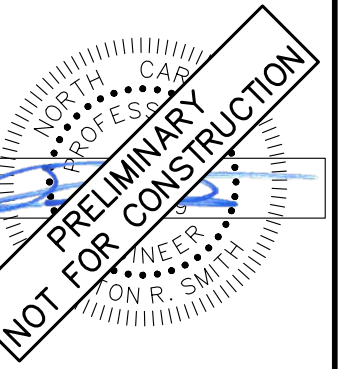
N.T.S.

KHA DETAIL NO: 05.104.R01

03

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SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

UTILITY DETAILS

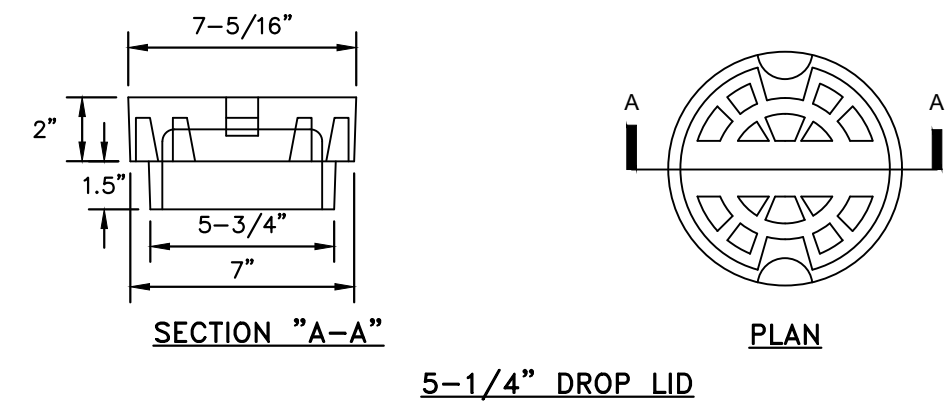
NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

SHEET NUMBER
C-608

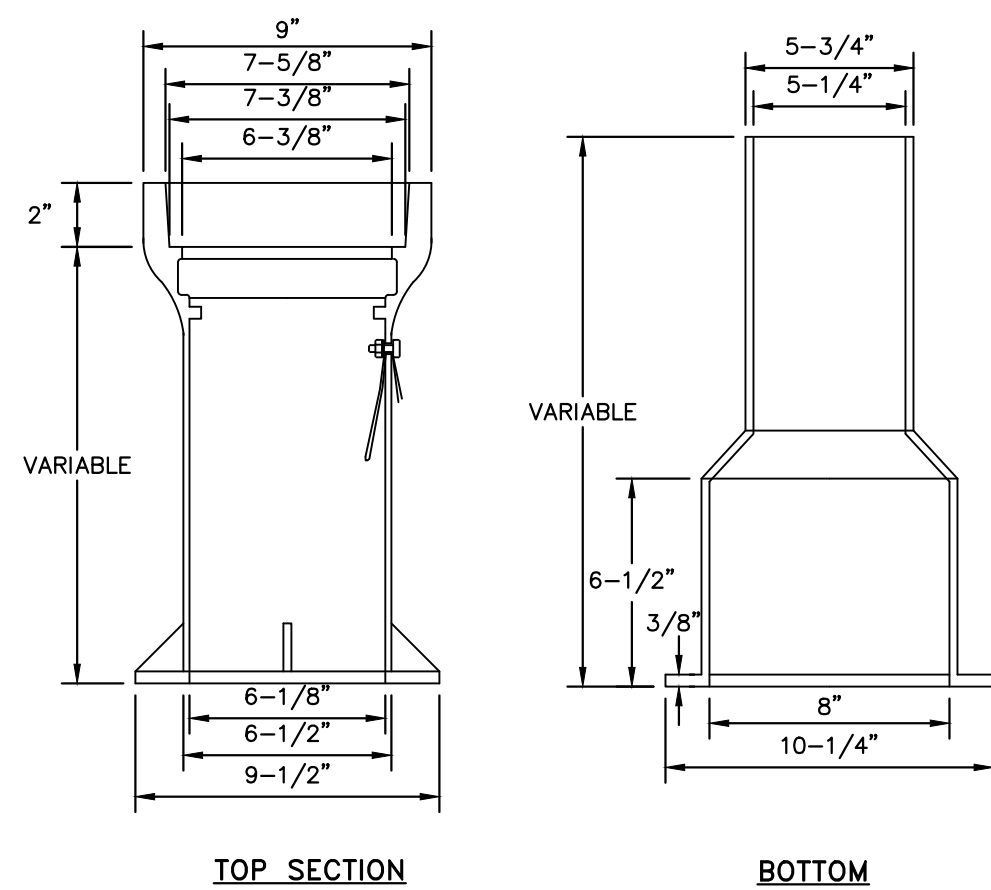
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REVISIONS	INITIAL SUBMITTAL TO FRANKLIN COUNTY	FRANKLIN COUNTY SUBMITTAL #2				
DATE	05/20/24	8/1/2024				
BY						



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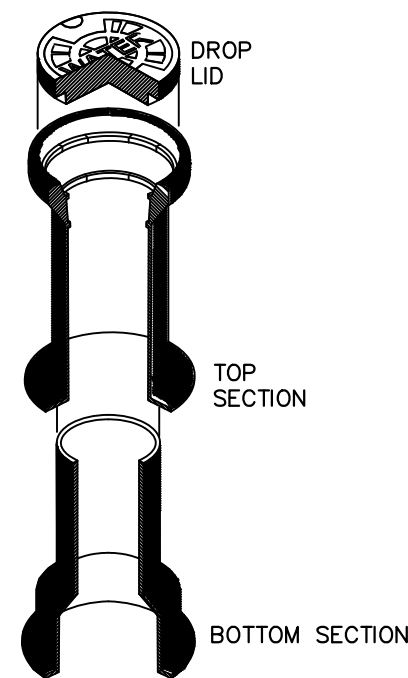


5-1/4" DROP LID



TOP SECTION

BOTTOM



DROP LID

TOP SECTION

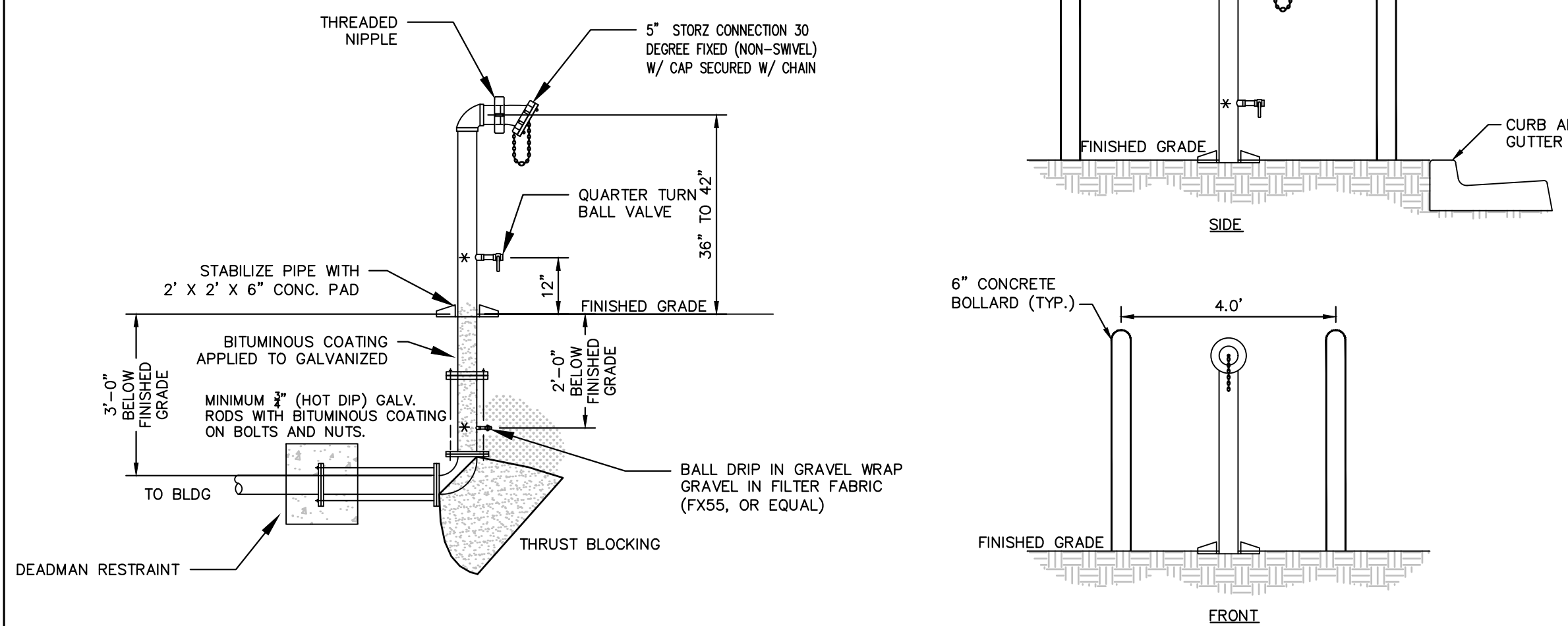
BOTTOM SECTION

NOTES

1. VALVE BOX SHALL BE 3 PART SLIP-TYPE MANUFACTURED BY ALABAMA PIPE CO., CHAPMAN VALVE CO., COLOMBIAN IRON WORKS, R.D. WOOD CO. OR APPROVED EQUAL.
2. VALVE BOX SHALL BE 3-PIECE CLOSE GRAINED CAST IRON SLIP-TYPE VALVE BOX WITH A MINIMUM THICKNESS OF 3/16".
3. VALVE BOX SHALL HAVE RAISED LETTERS "WATER" CAST INTO COVER.
4. VALVE BOX ACCOMMODATES 4" THRU 12" VALVES.
5. VALVE BOX SHALL HAVE 3/8" HOLE DRILLED IN TOP SECTION THRU WHICH A 1/4" X 1-1/2" GALVANIZED BOLT SHALL BE USED TO SECURE A 12GA. THIN TRACER WIRE FOR NON-FERROUS PIPE. A 1/2" WASHER SHALL BE USED BETWEEN NUT AND INSIDE OF BOX. TIGHTEN HAND TIGHT.
6. SCREW TYPE VALVE BOXES ARE NOT ACCEPTABLE.
7. DIMENSIONS SHOWN ARE FOR INFORMATION ONLY AND VARY BASED UPON THE MANUFACTURER.

VALVE BOX
N.T.S.

KHA DETAIL NO: 05.206.R01 10

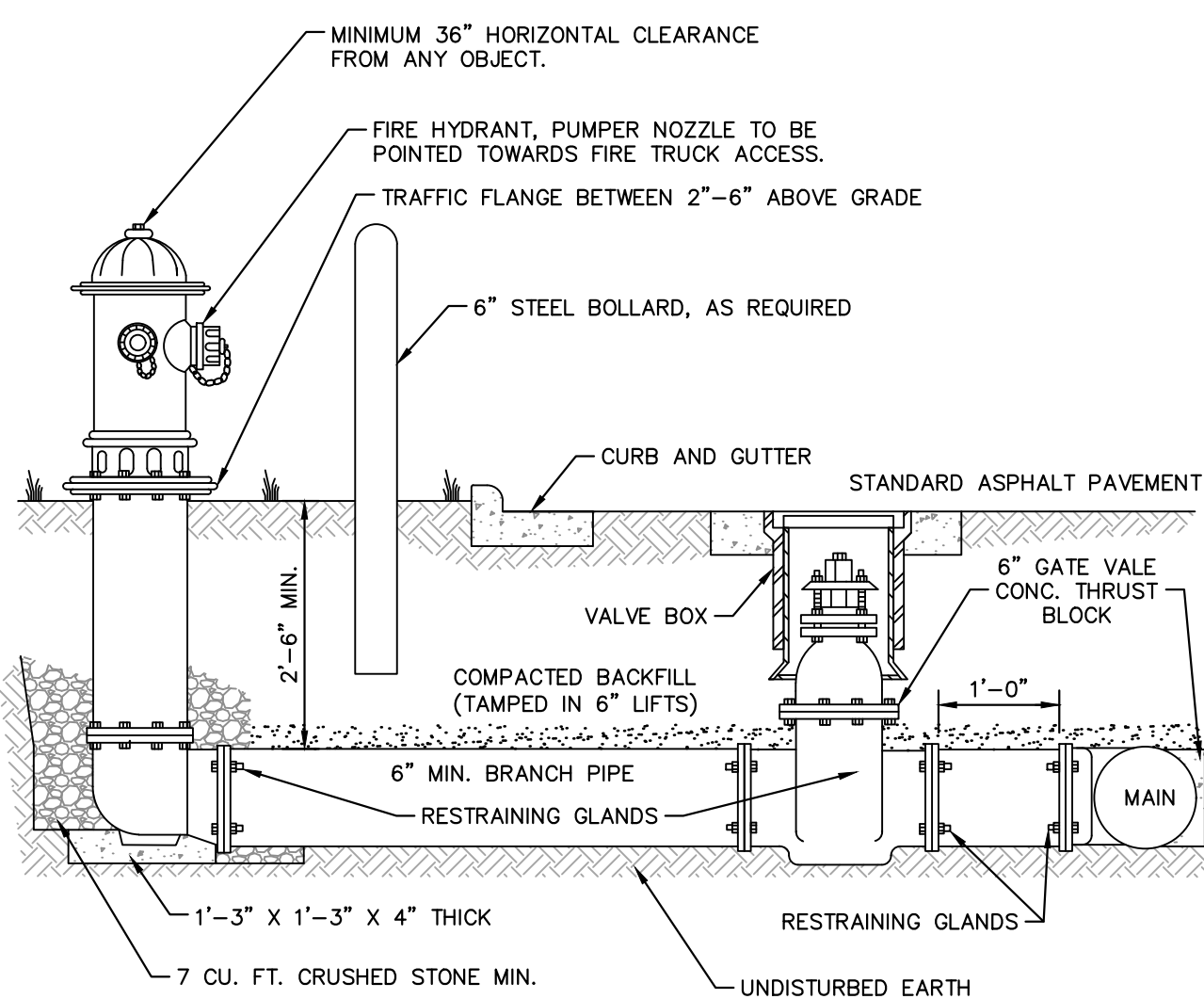


GENERAL NOTES

1. THE FDC SHALL BE EQUIPPED WITH A SINGLE FIVE (5) INCH THREAD-LESS STORZ BRAND CONNECTION AND SHALL HAVE A 30-45 DEGREE DOWNWARD DEFLECTION. THE STORZ CONNECTION SHALL CONNECT TO THE PIPE OUTLET FROM THE BUILDING USING NATIONAL STANDARD THREAD. THE FDC PIPING UNDERGROUND SHALL BE EQUIPPED WITH A BALL DRIP VALVE TO ENSURE FIRE DEPARTMENT CONNECTION HAS NO STANDING WATER IN THE CONNECTION AND THAT THE PIPING DOES NOT FREEZE.
2. THE FDC SHALL BE ARRANGED TO FACE A PAVED ROADWAY, SIDEWALK OR OTHER APPROVED AREA AND SHALL BE INSTALLED SO THAT IT WILL NOT INTERFERE WITH ACCESS TO THE BUILDING WHEN HOSES ARE LAID FROM THE CLOSEST PUBLIC HYDRANT TO THE FDC.
3. THE FDC SHALL BE ARRANGED SO THAT THE CONNECTION IS NO MORE THAN (48) INCHES ABOVE THE FINISHED GRADE, SIDEWALK OR LOCATION OF THE CONNECTION.
4. WHERE THE FDC IS SUBJECT TO VEHICLE DAMAGE, THE CONNECTION SHALL BE PROTECTED PER THE FIRE CODE. (BOLLARD PROTECTION)
5. A SIGN WITH LETTERS AT LEAST 6 INCH IN SIZE SHALL BE MOUNTED ON ALL FIRE DEPARTMENT CONNECTIONS. (THE SIGN SHALL HAVE RED LETTERS ON A WHITE BACKGROUND.) WHERE THE FIRE DEPARTMENT CONNECTION DOES NOT SERVE THE ENTIRE BUILDING A SIGN SHALL BE PROVIDED INDICATING THE PORTIONS OF THE BUILDING SERVED.
6. FIRE DEPARTMENT CONNECTIONS SHALL BE AT LEAST 10 FEET AWAY FROM ALL UTILITIES (I.E. NATURAL GAS, LP GAS, ELECTRICAL METERS AND TRANSFORMERS).
7. THREE (3) FEET OF CLEARANCE IS REQUIRED AROUND THE FIRE DEPARTMENT CONNECTION THIS INCLUDES BUSHES, WALLS, RETAINING WALLS, AND HOT BOXES UNLESS ATTACHED.

FREE STANDING FIRE DEPARTMENT CONNECTION
N.T.S.

KHA DETAIL NO: 05.208.R01 11



FIRE HYDRANT INSTALLATION
N.T.S.

KHA DETAIL NO: 05.209.R01 12

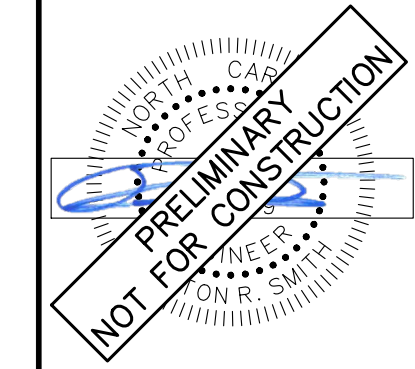
NOTES

1. FIRE HYDRANT SHALL BE AS MANUFACTURED: MUELLER, AMERICAN DARLING, KENNEDY, M&H, WATEROUS, CLOW, EAST JORDAN IRON WORKS, OR US PIPE.
2. BRANCH PIPE SHALL BE DUCTILE IRON AWWA C150-96
3. 6" GATE VALVE SHALL BE AWWA C500-86 OPEN LEFT
4. STEEL RODS AND BOLTS SHALL BE 3/4" HOT DIPPED GALVANIZED
5. 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
6. 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.

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/20/24	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
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DRAWN BY	ELR
CHECKED BY	ARS

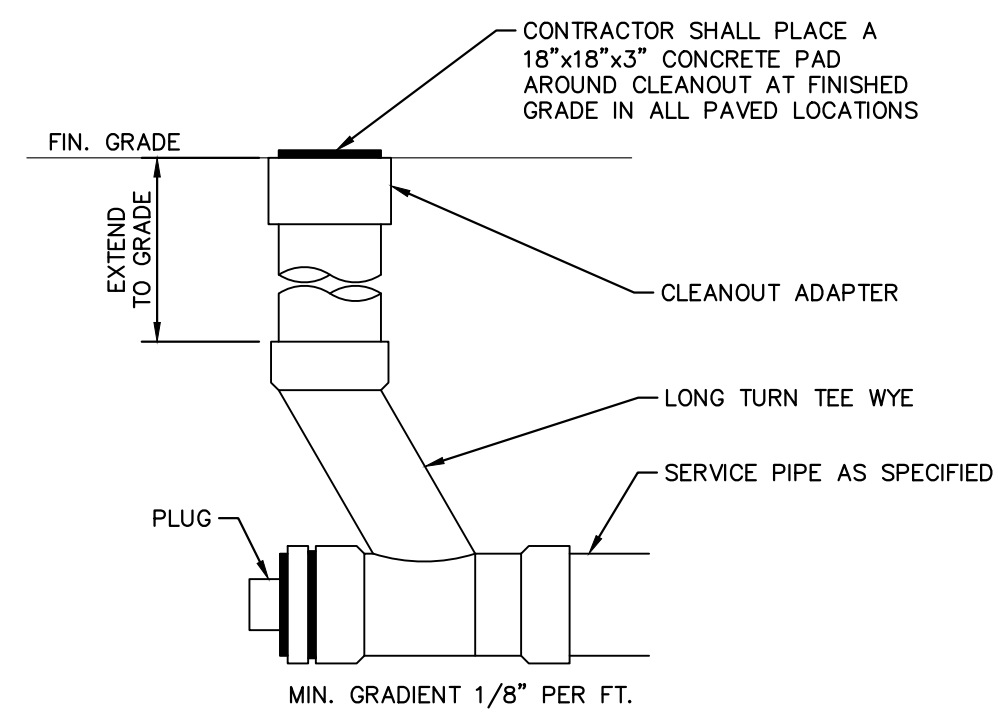
UTILITY DETAILS

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC

SHEET NUMBER
C-610



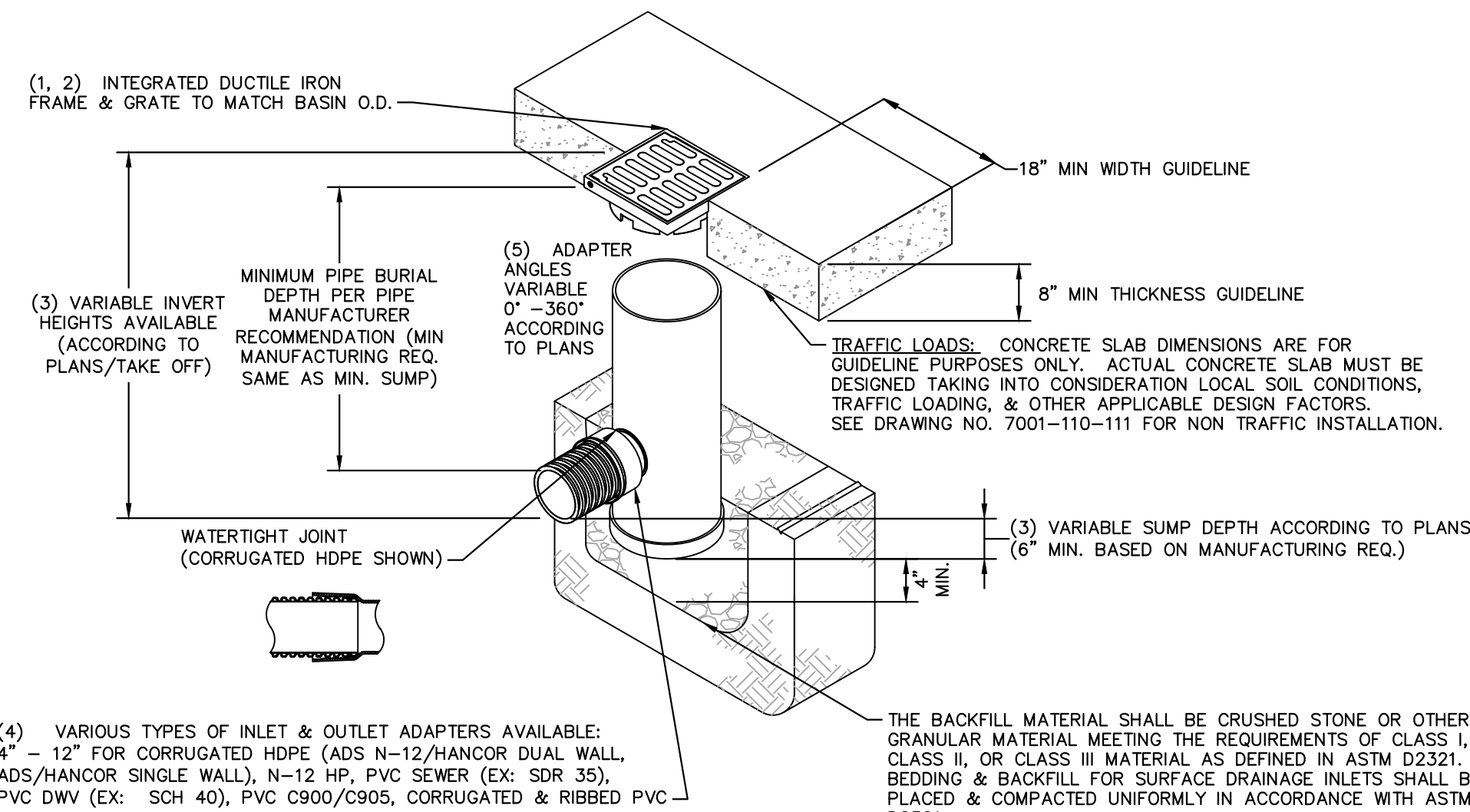
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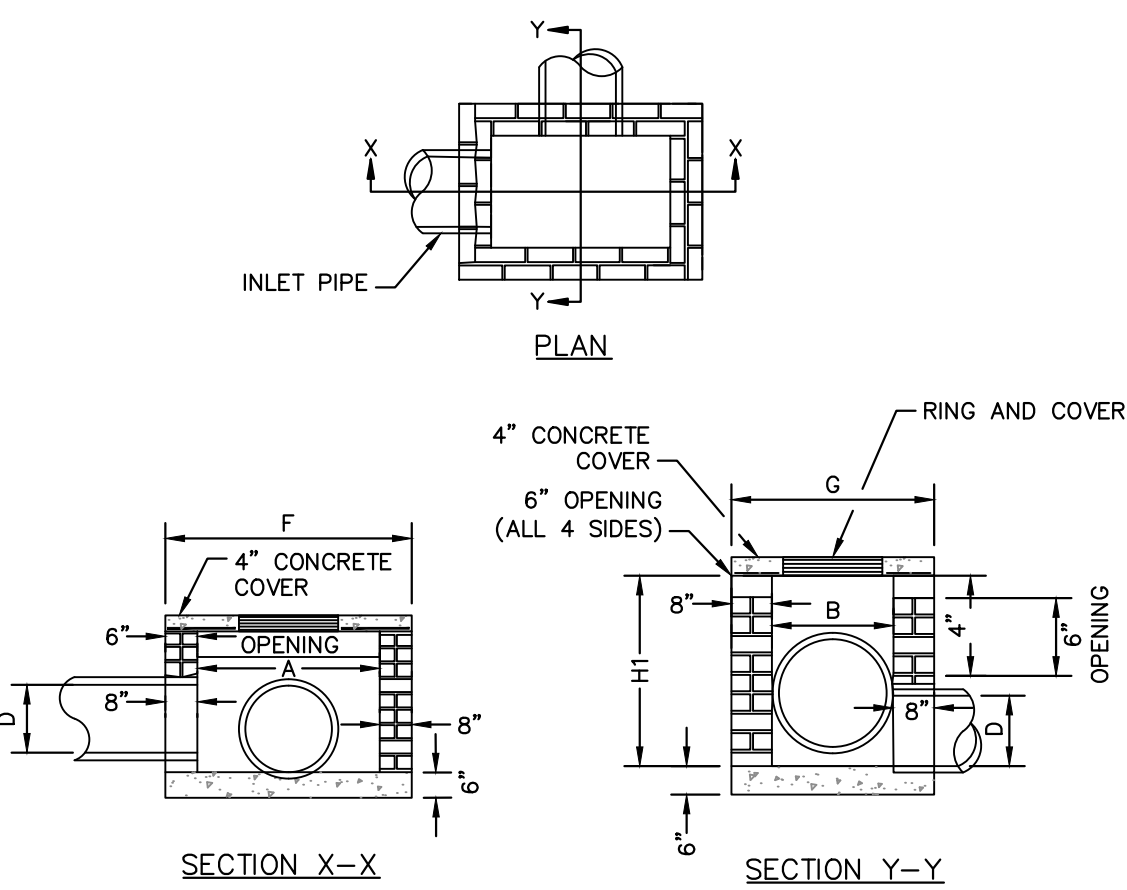
TYPICAL CLEANOUT
N.T.S. KHA DETAIL NO: 03.201.R01 **01**

NOTES

- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
- FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS.
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS.



NYLOPLAST 12" DRAIN BASIN
N.T.S. KHA DETAIL NO: 03.203.R01 **02**

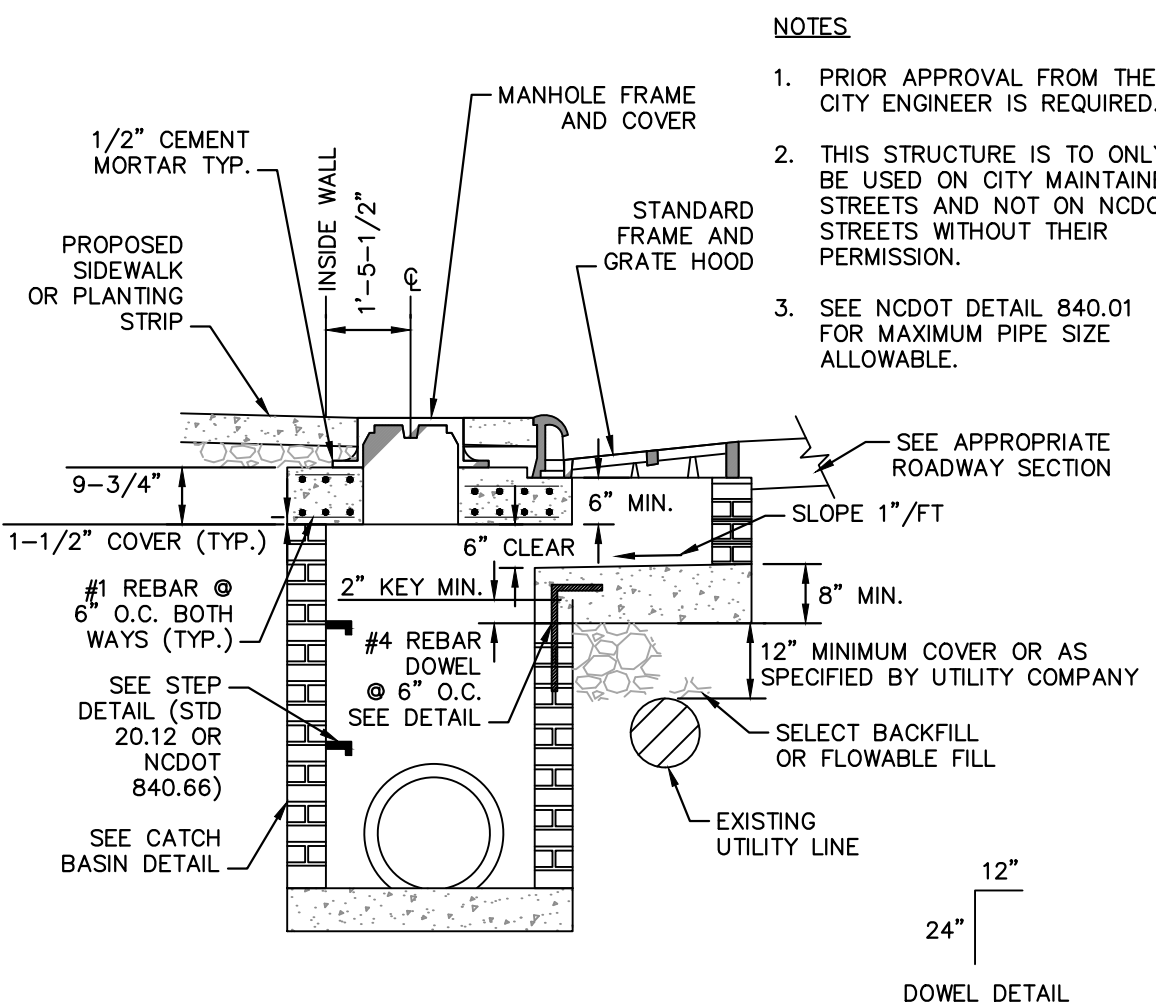


GENERAL NOTES

- MORTAR JOINTS SHOULD BE BETWEEN 3/8" AND 5/8" THICK.
- ALL CONCRETE TO BE 3600 P.S.I COMPRESSIVE STRENGTH.
- THE 6" OPENING SHOWN MAY BE INCREASED TO 8" MAX. IF DEEMED TO BE NECESSARY BY THE ENGINEER.
- ALL CATCH BASIN OVER 3'-6" IN DEPTH SHALL BE PROVIDED WITH STEPS 1'-2" ON CENTERS.
- CONCRETE BRICK MAY BE USED IN LIEU OF HARD COMMON CLAY BRICK.
- PRECAST DRAINAGE STRUCTURES WILL BE PERMITTED.
- JUMBO BRICK WILL BE PERMITTED.
- FOR 8'-0" IN HEIGHT OR LESS USE 8" WALL. OVER 8'-0" IN HEIGHT USE 12" WALL TO 6'-0" FROM TOP OF WALL, AND 8" WALL FOR THE REMAINING 6'-0".
- ALL EXPOSED JOINTS WILL BE CONCAVE TOOLED.
- ALL PIPE IN STORM DRAIN STRUCTURE SHALL BE STRUCK EVEN WITH THE INSIDE WALL, GROUTED AND BRUSHED SMOOTH.
- WEEP HOLES SHALL BE PLACED IN BACK WALL WITH FILTER FABRIC OR STONE ON BACK SIDE.

DIMENSIONS OF BOX AND PIPE			REINFORCING			COVER DIMENSION				
PIPE D	SPAN A	WIDTH B	HEIGHT HT (MIN)	BARS - X NO.	BARS - Y NO.	TOTAL LENGTH	LBS.	F	G	
15"	3'-6"	2'-3"	2'-7"	2	3'-4"	7	4'-7"	26	4'-10"	3'-7"
18"	4'-0"	2'-8"	2'-11"	2	3'-9"	8	5'-1"	33	5'-4"	4'-0"
24"	4'-0"	2'-8"	3'-5"	2	3'-9"	8	5'-1"	33	5'-4"	4'-0"
30"	4'-0"	3'-6"	3'-11"	2	4'-7"	9	5'-1"	37	5'-4"	4'-10"
36"	4'-0"	3'-6"	4'-6"	2	4'-7"	9	5'-1"	37	5'-4"	4'-10"
42"	4'-0"	3'-6"	4'-11"	2	4'-7"	9	5'-1"	37	5'-4"	4'-10"
48"	4'-6"	4'-0"	5'-5"	2	5'-1"	10	5'-7"	45	5'-10"	5'-4"

YARD INLET
N.T.S. KHA DETAIL NO: 03.202.R01 **04**



OFFSET CATCH BASIN (EXISTING UTILITY CONFLICT)
N.T.S. KHA DETAIL NO: 03.204.R01 **03**

SIZING CHART

STRUCTURE	0-FULL (CFS)	E (FT)	L (FT)	P (FT)	D (IN)	STONE THICKNESS (IN)	STONE DIAMETER (IN)	STONE CLASS	VELOCITY (FPS)
CB-01 TO FES-01	47.29	9	18	21	36	22	6	B	6.69
OCS TO FES-02	5.47	3.8	5	6.3	15	12	3	A	4.4600

- NOTES**
- THE LENGTHS OF THE RIP-RAP APRONS WERE DETERMINED BY USING THE NEW YORK DOT DISSIPATOR METHOD, AS OUTLINED IN SECTION 8.06 OF THE NCDENR EROSION CONTROL MANUAL.
 - RIP-RAP APRONS DESIGNED FOR FULL FLOW CAPACITY

- NOTES:**
- END OF THE PIPE OR CULVERT AT THE DISCHARGE OUTLET AT A MAXIMUM SLOPE OF 2:1 AND A HEIGHT NOT LESS THAN TWO THIRDS THE PIPE DIAMETER OR CULVERT HEIGHT.
 - THERE SHALL BE NO OVERFLOW FROM THE END OF THE APRON TO THE SURFACE OF THE RECEIVING CHANNEL. THE AREA TO BE PAVED OR RIP-RAPPED SHALL BE UNDERCUT SO THAT THE INVERT OF THE APRON SHALL BE AT THE SAME GRADE (FLUSH) WITH THE SURFACE OF THE RECEIVING CHANNEL. THE APRON SHALL HAVE A CUTOFF OR TOE WALL AT THE DOWNSTREAM END.
 - THE WIDTH OF THE END OF THE APRON SHALL BE EQUAL TO THE BOTTOM WIDTH OF THE RECEIVING CHANNEL.
 - MAXIMUM TAPER TO RECEIVING CHANNEL 5:1.
 - ALL SUBGRADE BELOW THE STRUCTURE TO BE COMPACTED TO 95% OR GREATER.
 - THE PLACING OF FILL, EITHER LOOSE OR COMPACTED IN THE RECEIVING CHANNEL SHALL NOT BE ALLOWED.
 - NO BENDS OR CURVES IN THE HORIZONTAL ALIGNMENT OF THE APRON WILL BE PERMITTED.

MAINTENANCE NOTES:
IN GENERAL, ONCE A RIPRAP INSTALLATION HAS BEEN PROPERLY DESIGNED AND INSTALLED IT REQUIRES VERY LITTLE MAINTENANCE. RIPRAP SHOULD BE INSPECTED PERIODICALLY FOR SCOUR OR DISLODGED STONES. CONTROL OF WEED AND BRUSH GROWTH MAY BE NEEDED IN SOME LOCATIONS.

- CONSTRUCTION SPECIFICATIONS:**
- ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
 - THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLANS.
 - FILTER CLOTH, WHEN USED, MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER CLOTH OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP SO THE TOP LAYER IS ABOVE THE DOWNSTREAM LAYER A MINIMUM OF 1 FOOT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER CLOTH.
 - RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
 - THE MINIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
 - RIPRAP MAY BE FIELD STONE OR ROUGH QUARRY STONE. IT SHOULD BE HARD, ANGULAR, HIGHLY WEATHER-RESISTANT AND WELL GRADED.
 - CONSTRUCT THE APRON ON ZERO GRADE WITH NO OVERFILL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
 - ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
 - IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.

RIP-RAP APRON AT FLARED END SECTION
N.T.S. KHA DETAIL NO: 03.205.R02 **05**

NO.	REVISIONS	DATE	BY
1	INITIAL SUBMITTAL TO FRANKLIN COUNTY	05/2024	ALB
2	FRANKLIN COUNTY SUBMITTAL #2	8/1/2024	ALB

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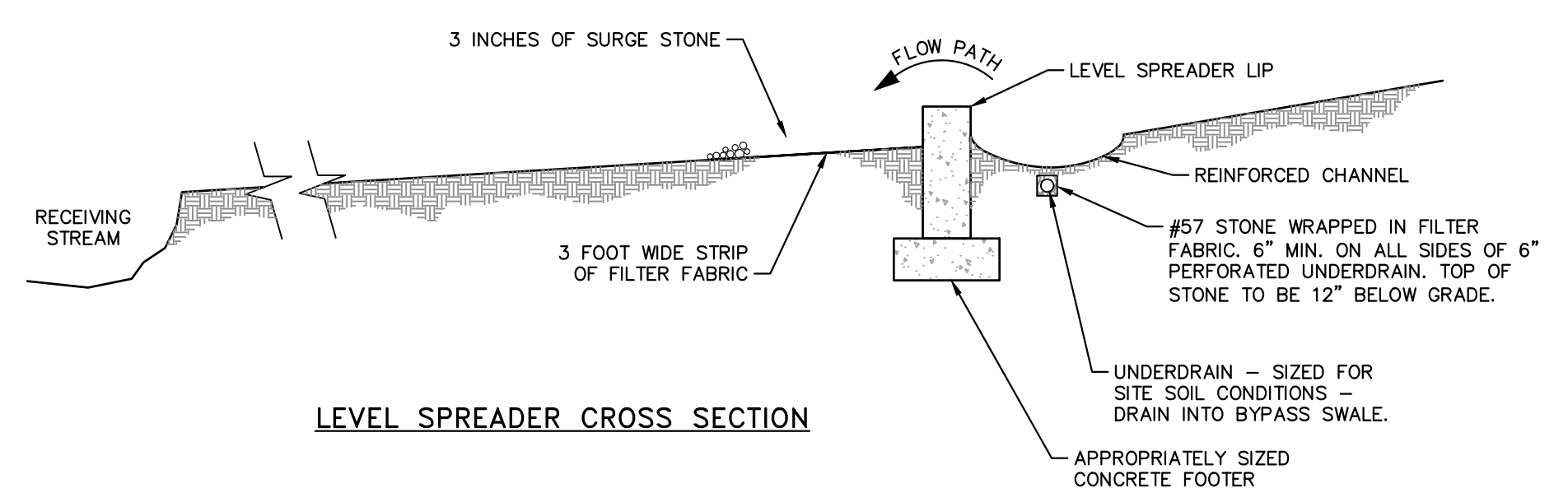
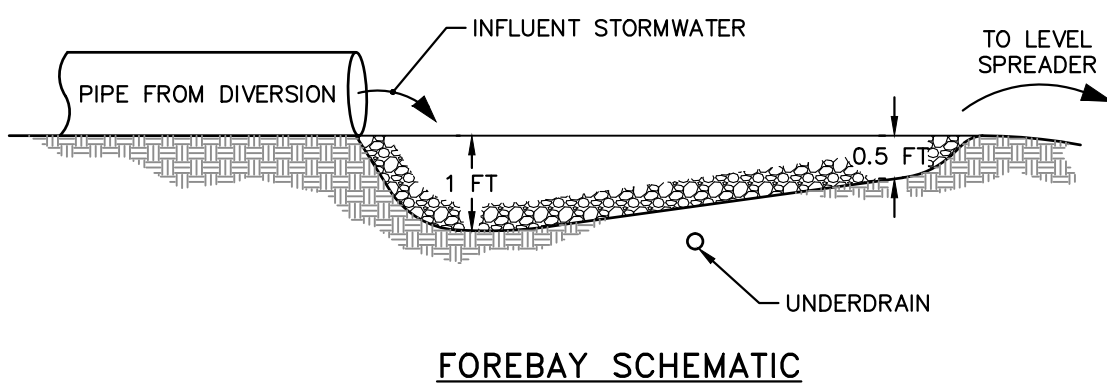
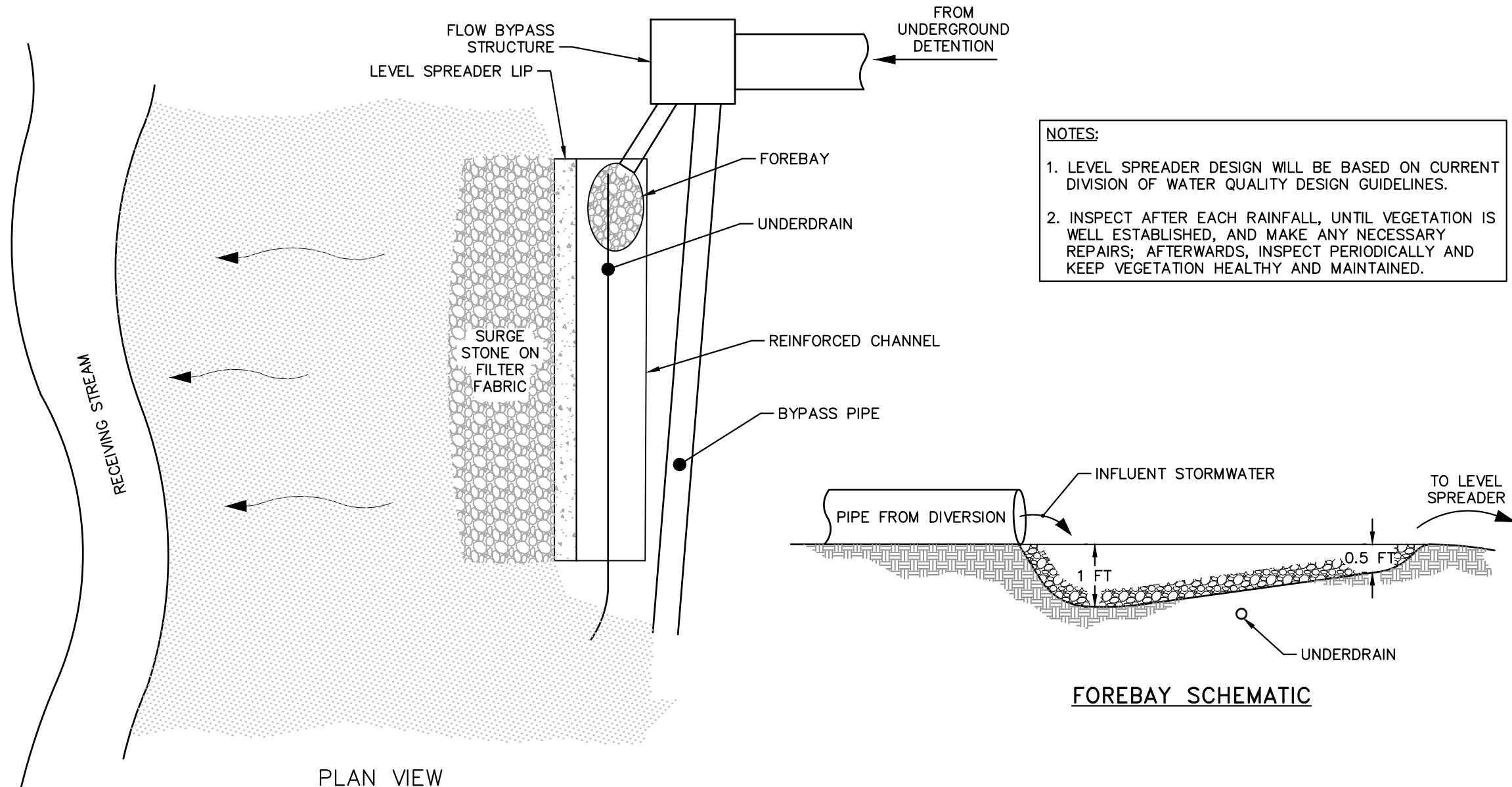
NOT FOR CONSTRUCTION
KHA PROJECT: 016675000
DATE: 05/30/2024
SCALE: AS SHOWN
DESIGNED BY: ALB
DRAWN BY: ELR
CHECKED BY: ARS

STORM DETAILS

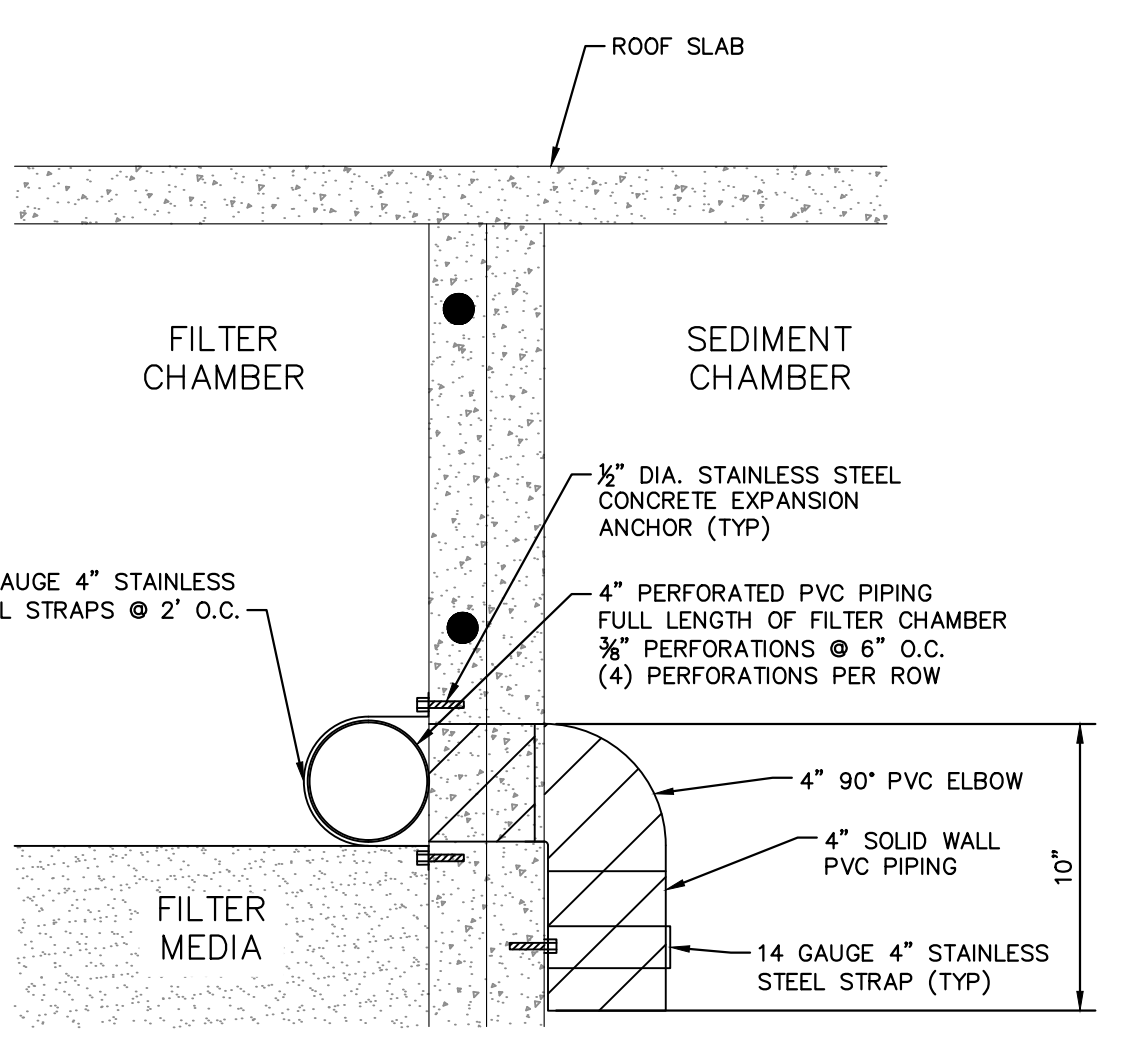
NEW JERUSALEM CHURCH
PREPARED FOR
THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.
FRANKLIN COUNTY, NC
SHEET NUMBER
C-611



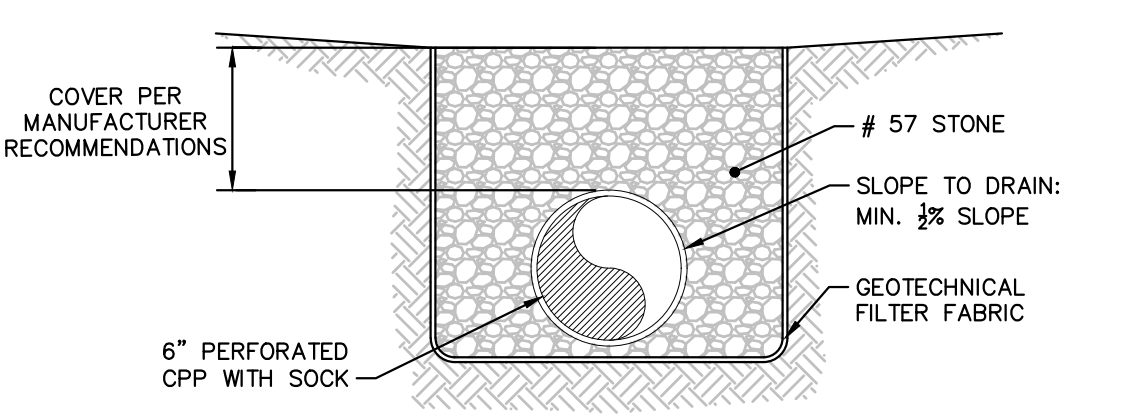
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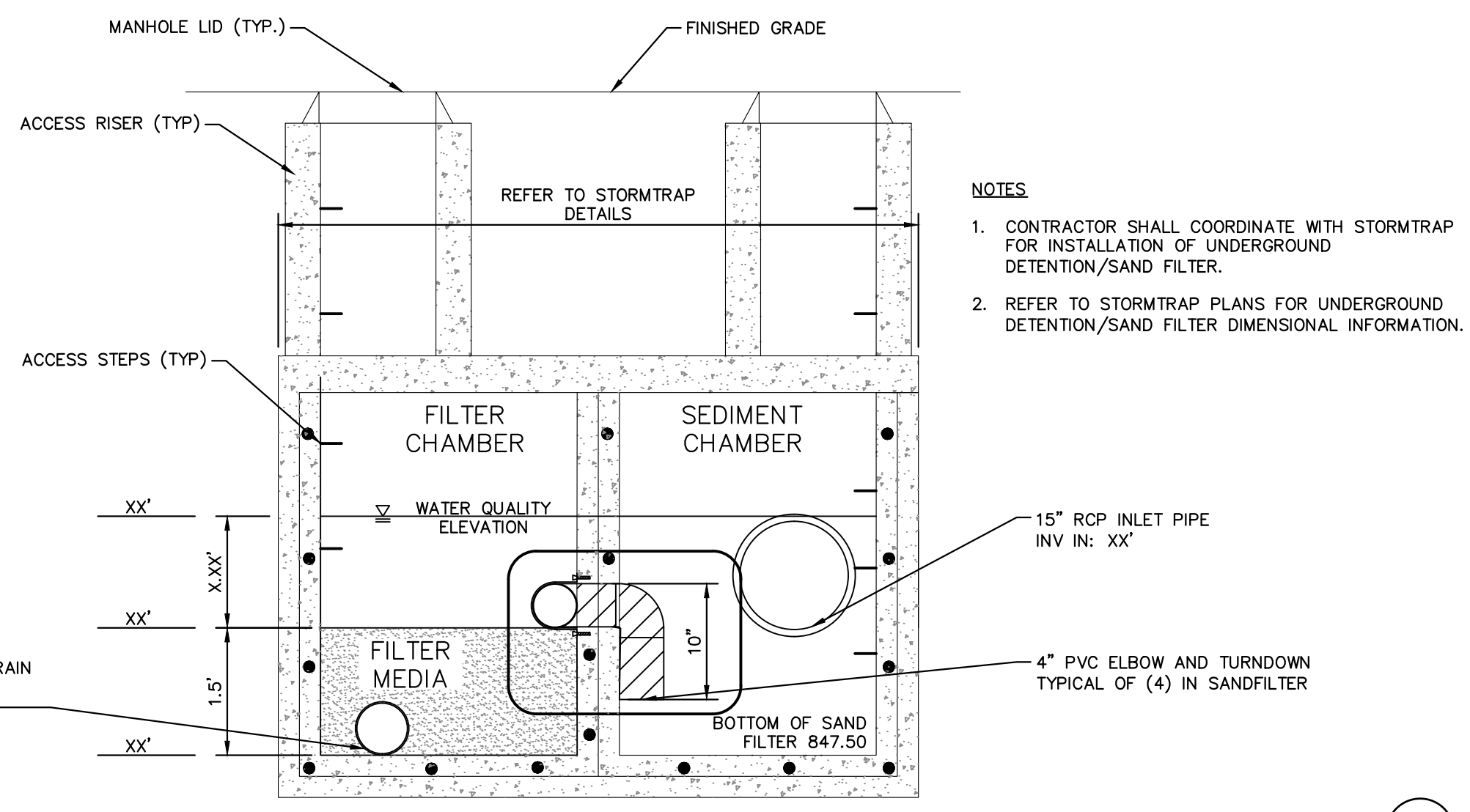
STANDARD LEVEL SPREADER
N.T.S. KHA DETAIL NO: 03.206.R01 07



SAND FILTER FLOW DISTRIBUTION PIPING
N.T.S. KHA DETAIL NO: 03.302.R01 08



6 inch PERFORATED CPP WITH SOCK DRAIN
N.T.S. KHA DETAIL NO: 03.303.R01 09



SAND FILTER
N.T.S. KHA DETAIL NO: 03.301.R01 06

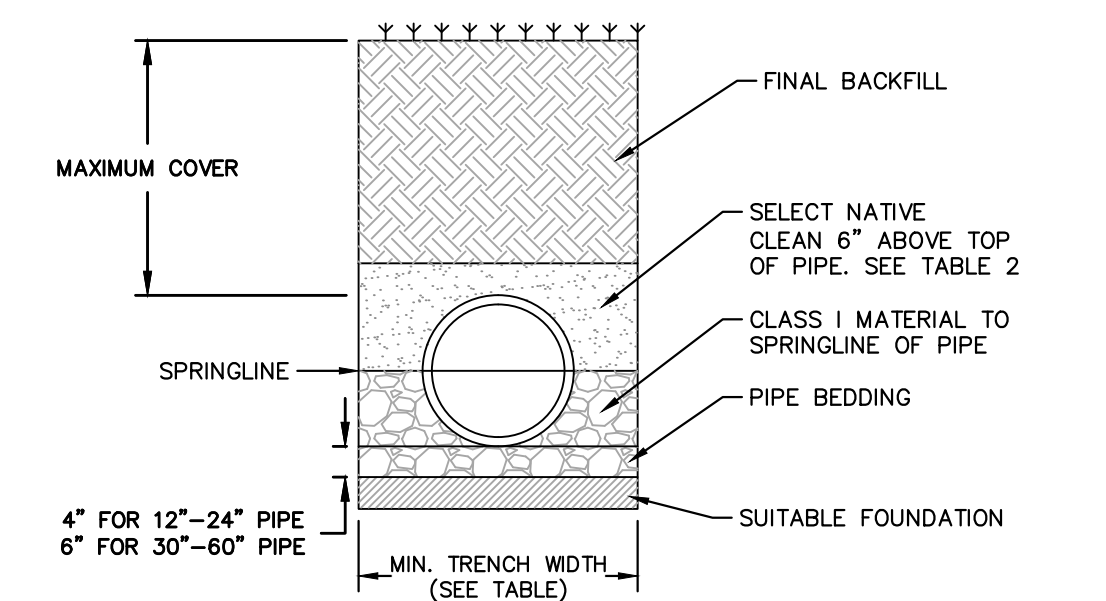


TABLE 1. RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
12"	30"
(300mm)	(762mm)
14"	34"
(375mm)	(864mm)
16"	38"
(405mm)	(965mm)
18"	42"
(450mm)	(1067mm)
24"	54"
(600mm)	(1375mm)
30"	66"
(750mm)	(1678mm)
36"	78"
(900mm)	(1980mm)
42"	90"
(1050mm)	(2282mm)
48"	102"
(1200mm)	(2584mm)
60"	126"
(1500mm)	(3188mm)

TABLE 2. MAXIMUM COVER FOR ADS HP STORM PIPE, ALTERNATE INSTALLATION, ft (ys=120)

PIPE DIAM.	SELECT NATIVE CLEAN MATERIAL CLASSIFICATION		
	CLASS II	CLASS III	CLASS IV
12"	17	14	11
(300mm)	(5.2m)	(4.3m)	(3.4m)
14"	17	14	10
(375mm)	(5.2m)	(4.3m)	(3.0m)
16"	16	13	10
(405mm)	(4.9m)	(4.0m)	(3.0m)
18"	14	12	9
(450mm)	(4.3m)	(3.7m)	(2.7m)
24"	13	12	8
(600mm)	(4.0m)	(3.7m)	(2.4m)
30"	11	11	7
(750mm)	(3.4m)	(3.4m)	(2.1m)
36"	11	11	6
(900mm)	(3.4m)	(3.4m)	(2.1m)
42"	11	11	6
(1050mm)	(3.4m)	(3.4m)	(2.1m)
48"	11	10	6
(1200mm)	(3.4m)	(3.0m)	(1.8m)
60"	10	10	6
(1500mm)	(3.4m)	(3.0m)	(1.8m)

- NOTES
- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 - SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS IVB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
 - FOUNDATION WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 - BEDDING SUITABLE MATERIAL SHALL BE CLASS I. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
 - BACKFILL FOR PIPES OUTSIDE OF PAVEMENT CLASS I MATERIAL TO BE USED FOR BACKFILL UP TO THE SPRINGLINE OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, CLASS I MATERIAL MUST BE COMPACTED IN 6" (200mm) LIFTS.
 - MINIMUM COVER MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION.
 - SELECT NATIVE CLEAN BACKFILL SHALL BE WELL PLACED, MODERATELY COMPACTED (85% SPD) CLASS IV OR BETTER PER ASTM D2321 WITH NO FOREIGN DEBRIS INCLUDING ROCKS, LARGE CLUMPS ORGANIC MATERIAL, OR FROZEN MATERIAL.
 - HP STORM ALTERNATE TRENCH DETAIL ONLY APPLIES TO BACKFILL INSTALLATIONS IN NON-TRAFFIC APPLICATIONS PER TN 2.04A. ALTERNATE TRENCH USE MUST BE APPROVED BY DESIGN ENGINEER. DETAIL DOES NOT SUPERSEDE ADS STANDARD DETAIL STD-108.

HP STORM TRENCH INSTALLATION DETAIL
N.T.S. KHA DETAIL NO: 03.101.R01 10

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KHA PROJECT 016675000	DATE 05/30/2024	SCALE AS SHOWN	DESIGNED BY ALB	DRAWN BY ELR	CHECKED BY ARS				
STORM DETAILS									
NEW JERUSALEM CHURCH PREPARED FOR THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC. FRANKLIN COUNTY									
SHEET NUMBER C-612									
INITIAL SUBMITTAL TO FRANKLIN COUNTY FRANKLIN COUNTY SUBMITTAL #2 8/1/2024 05/2024 ALB ALB									



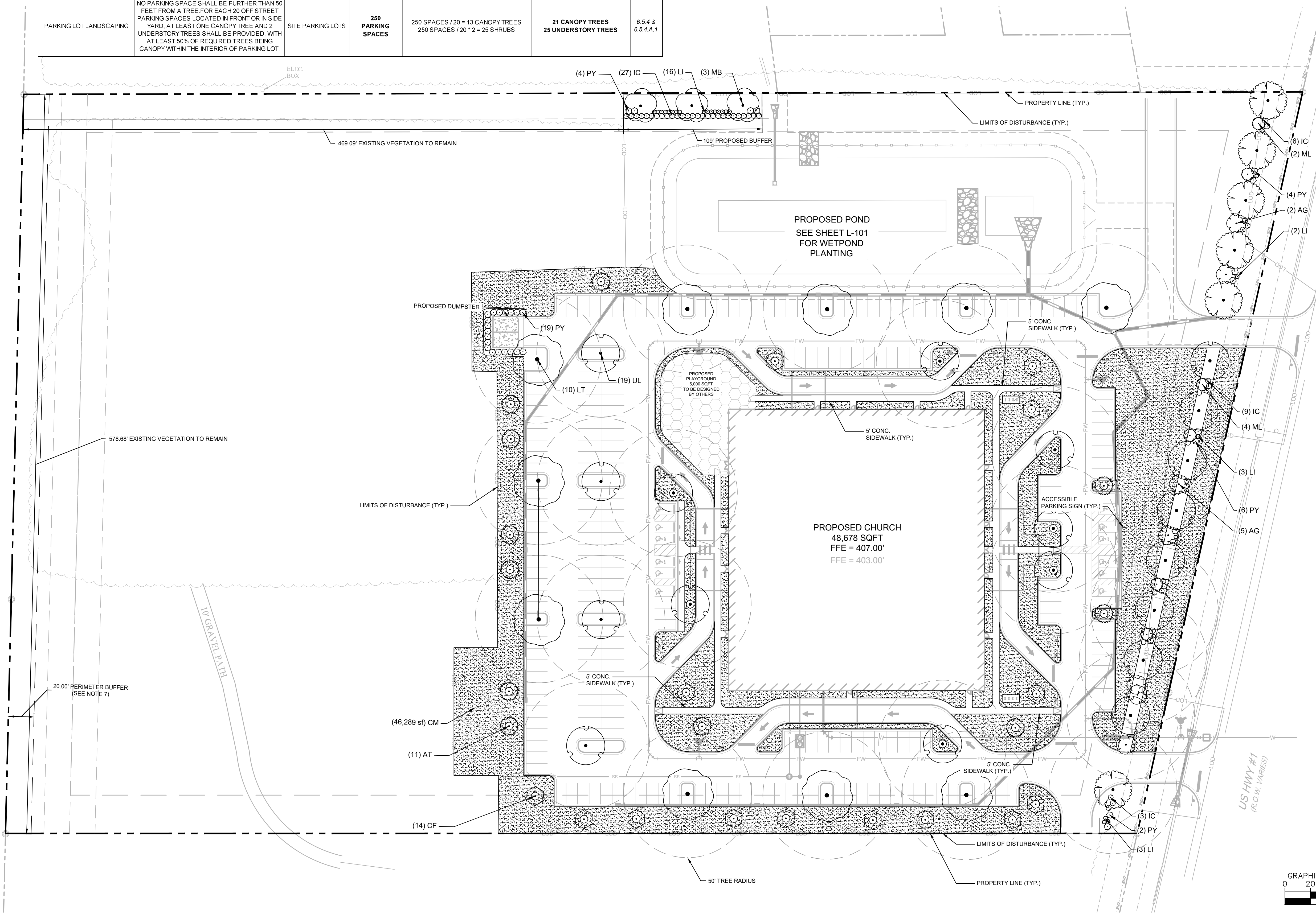
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LANDSCAPE REQUIREMENTS & CALCULATIONS

AREA TO BE LANDSCAPED	CODE REQUIREMENT	LOCATION	SQUARE FEET/ LINEAR FEET	TOTAL QUANTITY REQUIRED	TOTAL QUANTITY PROVIDED	CODE SECTION
STREET TREES	1 CANOPY TREE REQUIRED PLUS 1 ADDITIONAL CANOPY TREE PER EACH REMAINING 40 LINEAR FEET OF FRONTAGE	US HWY 1	543 LF (EXCLUDES DRIVEWAYS)	1 CANOPY TREE + (543 / 40) / 40 = 14 CANOPY TREES	14 CANOPY TREES	6.5.5
STREET YARD	COMBINATION OF CANOPY TREES (40 FEET MAX. SPACING) 10 FOOT WIDTH BUFFER STRIP WITH TWO ROWS OF PLANTINGS	US HWY 1	543 LF (EXCLUDES DRIVEWAYS)	543 / 40 = 14 CANOPY TREES	14 CANOPY TREES	6.6.1 & 6.6.2
HIGHWAY OVERLAY DISTRICT ADDITIONAL PLANTINGS	2 TREES AND 5 SHRUBS PER 100 LINEAR FEET OF FRONTAGE (IN ADDITION TO STREET TREES)	US HWY 1	696 LF	595 / 100 * 2 = 12 TREES 595 / 100 * 5 = 30 SHRUBS	12 UNDERSTORY TREES 30 SHRUBS	5.6.2
20 FOOT PERIMETER BUFFER	TWO ROWS OF PLANTINGS CONSISTING OF TREES AND SHRUBS (AT LEAST 50% EVERGREEN)	WEST PROPERTY LINE	679 LF	TWO ROWS OF PLANTINGS	EXISTING VEGETATION TO REMAIN	6.6.2
20 FOOT PERIMETER BUFFER	TWO ROWS OF PLANTINGS CONSISTING OF TREES AND SHRUBS (AT LEAST 50% EVERGREEN)	NORTH PROPERTY LINE	678 LF (INCLUDES 469 LF OF EXISTING VEGETATION)	TWO ROWS OF PLANTINGS	EXISTING VEGETATION TO REMAIN + 3 CANOPY TREES AND 47 SHRUBS	6.6.2
PARKING LOT LANDSCAPING	NO PARKING SPACE SHALL BE FURTHER THAN 50 FEET FROM A TREE FOR EACH 20 OFF STREET PARKING SPACES LOCATED IN FRONT OR IN SIDE YARD. AT LEAST ONE CANOPY TREE AND 2 UNDERSTORY TREES SHALL BE PROVIDED, WITH AT LEAST 50% OF REQUIRED TREES BEING CANOPY WITHIN THE INTERIOR OF PARKING LOT.	SITE PARKING LOTS	250 PARKING SPACES	250 SPACES / 20 = 13 CANOPY TREES 250 SPACES / 20 * 2 = 25 SHRUBS	21 CANOPY TREES 25 UNDERSTORY TREES	6.5.4 & 6.5.4.A.1

NOTES:

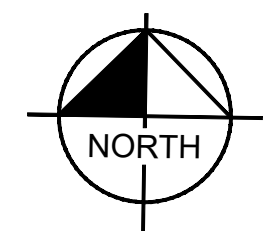
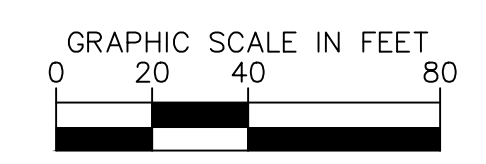
- CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED UTILITIES PRIOR TO INSTALLATION OF LANDSCAPING. CONTRACTOR SHALL CONSULT WITH PROJECT LANDSCAPE ARCHITECT REGARDING ANY CONFLICTS BETWEEN PLANTS AND UTILITIES.
- NO PLANT SUBSTITUTIONS ARE PERMITTED WITHOUT APPROVAL FROM THE PROJECT LANDSCAPE ARCHITECT AND THE COUNTY.
- THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DISTURBED OR DAMAGED PLANT MATERIAL THAT IS NOT SPECIFICALLY INDICATED TO BE REMOVED.
- ALL PLANTINGS WITHIN SIGHT DISTANCE TRIANGLES OR SIGHT DISTANCE EASEMENTS SHALL BE PRUNED TO MAINTAIN VISIBILITY BETWEEN 2' AND 8' ABOVE FINISHED GRADE.
- ALL TREES SHALL A MINIMUM 2" CALIPER (MEASURED AT 6" ABOVE GROUND) AND MINIMUM HEIGHT OF 8' (MEASURED ABOVE GROUND.)
- SHRUBS SHALL BE AT LEAST 3 GALLONS IN SIZE.
- EXISTING VEGETATION SHALL BE USED TO MEET THE REQUIREMENTS OF THE 20 FOOT PERIMETER BUFFER. EXISTING VEGETATION MAY BE SUPPLEMENTED AS NEEDED TO MEET THE BUFFER REQUIREMENTS.
- SEE SHEET L-200 FOR FULL PLANT SCHEDULE.



PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME
CANOPY TREES		
	BD	BETULA NIGRA 'BNMFT'
	LT	LIRIODENDRON TULIPIFERA
	UL	ULMUS AMERICANA 'PRINCETON'
EVERGREEN TREES		
	MB	MAGNOLIA GRANDIFLORA 'D.D. BLANCHARD'
UNDERSTORY TREES		
	AG	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'
	AT	ACER TRUNCATUM
	CF	CORNUS FLORIDA
	ML	MAGNOLIA GRANDIFLORA 'LITTLE GEM'
SHRUBS		
	IC	ILEX CORNUTA 'CARISSA'
	LI	LOROPETALUM CHINENSE RUBRUM 'KUROBIJUN'
	PY	PRUNUS LAUROCERASUS 'OTTO LUYKEN'
GROUND COVERS		
	CM	CYNODON DACTYLON 'MIDWAY'

**SEE SHEET L-200 FOR FULL PLANT SCHEDULE



NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			

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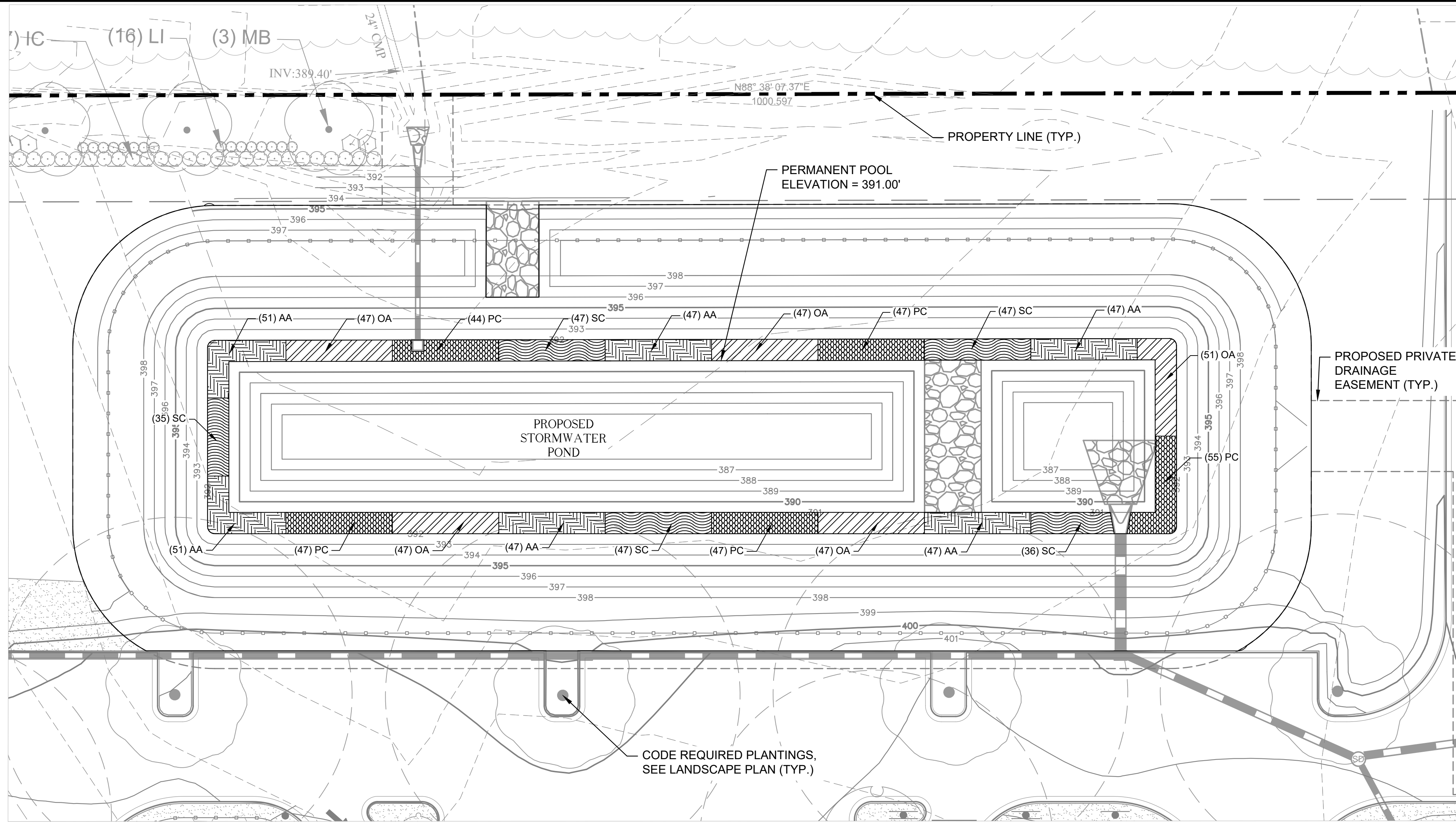
KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

LANDSCAPE PLAN

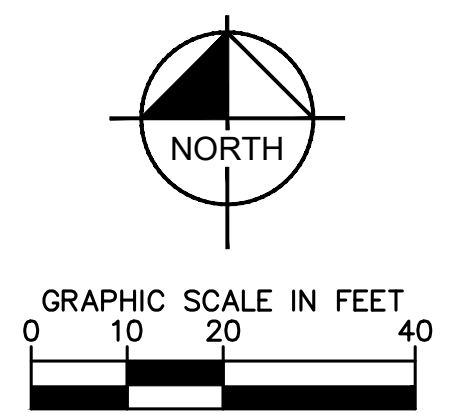
NEW JERUSALEM CHURCH
 PREPARED FOR
THE NEW JERUSALEM CHURCH OF OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY, NC

SHEET NUMBER
L-100

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WET POND PLAN VIEW



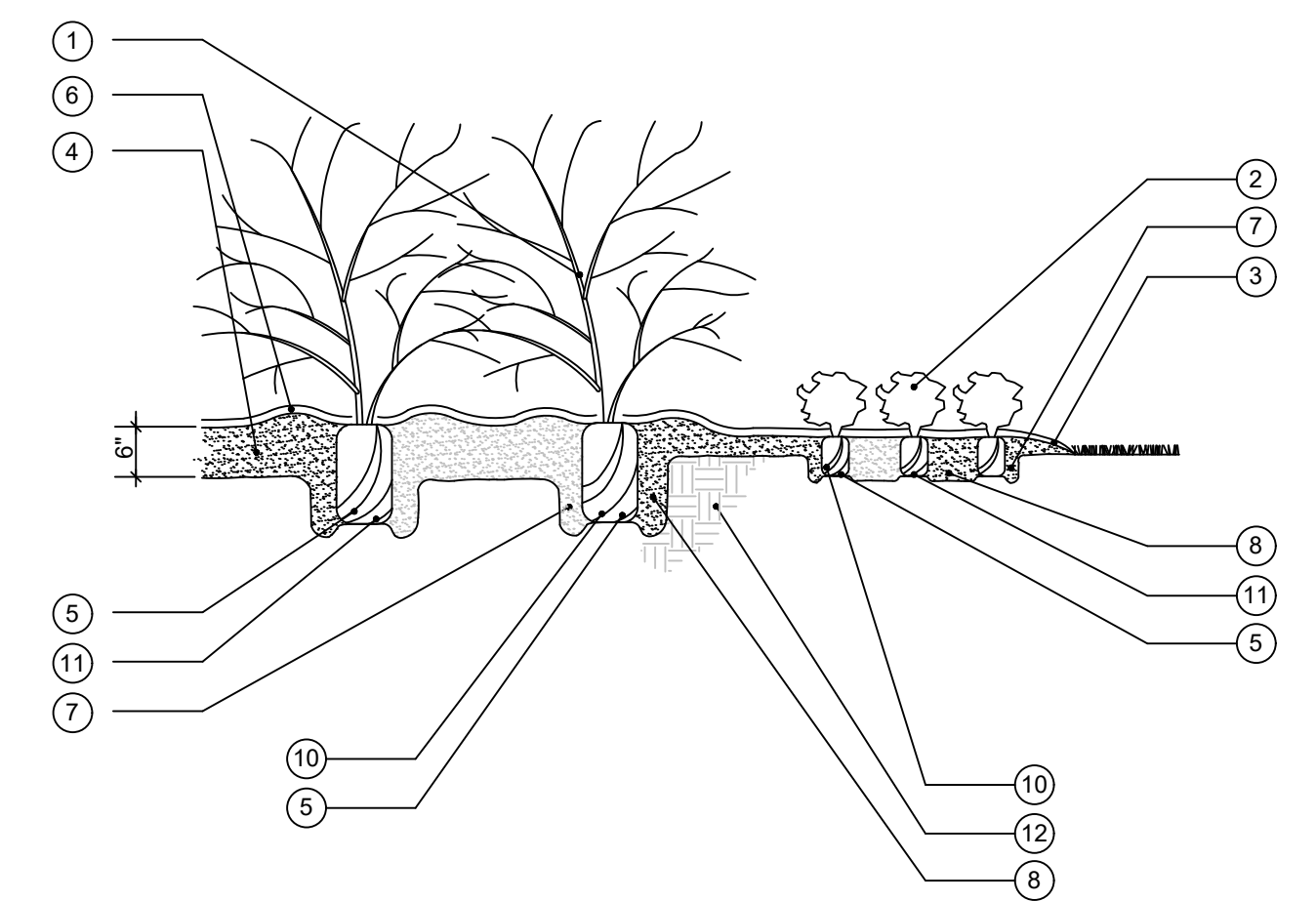
WET POND

PERMANENT POOL ELEVATION: 391.00 FT

SHALLOW WATER AREA	LOWER ELEV	UPPER ELEV
	391.00	392.00
SHELF AREA:		
TOTAL SHELF AREA	= 3,749 SF	
REQUIRED PLANTS	= (3,749 SF / 200) * 50 = 937	
PROPOSED PLANTS	= 981	

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
GROUND COVERS						
	AA	290	ACORUS AMERICANUS	SWEET FLAG	POT / FLAT	24" o.c.
	CM	27,466 SF	CYNODON DACTYLON 'MIDWAY'	MIDWAY BERMUDAGRASS	SOD	
	OA	239	ORONTIUM AQUATICUM	GOLDENCLUB	POT / FLAT	24" o.c.
	PC	240	PONTEDERIA CORDATA	PICKEREL WEED	POT / FLAT	24" o.c.
	SC	212	SAURURUS CERNUUS	LIZARD'S TAIL	POT / FLAT	24" o.c.



TYPICAL VEGETATED SHELF PLANTING DETAIL

- 1 SHALLOW LAND PLANT
- 2 SHALLOW WATER PLANT
- 3 VEGETATED SHELF SEED MIX (SEE DESCRIPTION THIS SHEET)
- 4 6" DEPTH TILLED/AMENDED SOIL PER SPECIFICATIONS.
- 5 ROOT BALL
- IN SANDY / WELL DRAINED SOIL CONDITIONS:
SET TOP SURFACE ELEVATION OF ROOTBALL FLUSH WITH FINAL EXISTING GRADE.
- IN HEAVY CLAY / POORLY DRAINED SOIL CONDITIONS:
SET TOP SURFACE ELEVATION OF ROOTBALL 1/4 - 1/3 OF ROOTBALL ABOVE FINAL EXISTING GRADE.
- 6 EARTHEN SAUCER
- 7 BACKFILL WITH SOIL PER SPECIFICATIONS
- 8 EXCAVATE PIT TO 2 TIMES THE WIDTH OF ROOTBALL. SCARIFY SIDES OF PIT SO THAT SIDES ARE NOT SMOOTH/GLAZED.
- 9 LARGER B&B MATERIAL:
-REMOVE TOP 2/3 OF WIRE ROOT BALL BASKET OR ROOTBALL STRAPS.
REMOVE ALL SYNTHETIC STRAP MATERIAL FROM ENTIRE ROOTBALL
-REMOVE TOP 1/3 OF BURLAP ROOT BALL COVERING.
REMOVE ALL SYNTHETIC COVERING FROM ENTIRE ROOTBALL
- 10 CONTAINER GROWN MATERIAL:
REMOVE ENTIRE CONTAINER FROM AROUND PLANT AND SCARIFY PRIOR TO PLANTING.
- 11 PLACE ROOTBALL ON SOLID SUBGRADE, NOT LOOSE BACKFILL MATERIAL
- 12 UNDISTURBED SUBGRADE

WET POND GRADING & PLANTING NOTES:

1. ALL PLANTING PROCEDURES SHALL BE DONE IN ACCORDANCE WITH NCDEQ STANDARDS.
2. ADEQUATE ACCESS MUST BE AVAILABLE FOR INSPECTIONS, MAINTENANCE, AND EQUIPMENT.
3. ALL MAINTENANCE ACTIVITIES SHOULD BE RECORDED. NOTES SHOULD INCLUDE THE DATES AND TYPES OF WORK PERFORMED AS WELL AS WHO PERFORMED THE WORK.
4. DEVELOPMENTAL PHASE MAINTENANCE EXTENDS THROUGH 2 TO 5 GROWING SEASONS.
5. INFERTILE SOILS SHOULD BE AMENDED BEFORE INSTALLATION AND THEN FERTILIZED PERIODICALLY THEREAFTER.
6. SOIL AMENDMENTS TO BE DETERMINED BY A SOIL TEST REPORT.
7. ACCEPTABLE FERTILIZERS CAN BE: MINERAL, ORGANIC (MANURE), COMPOST OR GREEN CROPS.
8. WEEDING IS OFTEN NECESSARY IN THE FIRST GROWING SEASON, PARTICULARLY IF HERBACEOUS GRASSES ARE OUT-COMPETING THE YOUNG WOODY VEGETATION GROWTH. GRASS SHOULD BE REMOVED TO ABOUT 6" ON ALL SIDES OF THE SOIL BIOENGINEERING ELEMENT. THE NEED FOR WEEDING MAY BE LARGELY ELIMINATED BY MINIMIZING THE AMOUNT OF SEED USED FOR TEMPORARY EROSION CONTROL.
9. SOILS SHOULD BE LOOSENEED TO A DEPTH OF 6". HARD SOILS MAY REQUIRE DISKING.
10. WHENEVER POSSIBLE, TOPSOIL SHOULD BE SPREAD TO A DEPTH OF 4-10" AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 6".
11. THE OPTIMAL PERIOD FOR TRANSPLANTING EXTENDS FROM EARLY APRIL TO MID-JUNE SO THAT THE PLANTS WILL HAVE A FULL GROWING SEASON TO BUILD THE ROOT RESERVES NEEDED TO SURVIVE THE WINTER.
12. POST-NURSERY CARE OF PLANTS IS VERY IMPORTANT IN THE INTERVAL BETWEEN DELIVERY OF THE PLANTS AND THEIR INSTALLATION BECAUSE THEY ARE PRONE TO DESICCATION. THE STOCK SHOULD BE FREQUENTLY WATERED, FERTILIZED AND SHADED.
13. A WET HYDROSEED MIX OR OTHER METHOD SHALL BE USED TO ESTABLISH VEGETATIVE COVER IN THE POND WITHIN 14 DAYS OF CONSTRUCTION. FOR RAPID GERMINATION, SCARIFY THE SOIL TO A HALF-INCH PRIOR TO HYDROSEEDING.
14. SEE EROSION AND SEDIMENTATION CONTROL DETAIL SHEETS FOR DESIGN INFORMATION FOR THE CONTROL STRUCTURE, OUTFALL PIPE, AND RIPRAP APRONS.
15. THE OPTIMAL PERIOD FOR TRANSPLANTING FROM EARLY APRIL TO MID-JUNE. CONTRACTOR SHALL ACQUIRE PLANTS FROM A REGIONAL NURSERY.
16. ALL DISTURBED GROUND AREAS SURROUNDING THE WET POND SHALL HAVE PERMANENT GROUND COVER ESTABLISHED IN ACCORDANCE WITH TOWN OF CARY GUIDELINES PRIOR TO FINAL ACCEPTANCE. SERICEA LESPEDEZA, WEEPING LOVEGRASS AND CROWN VETCH SHALL NOT BE INCORPORATED INTO THE GROUND COVER FOR THE DAM EMBANKMENT, AS THESE TYPES OF VEGETATION ARE DIFFICULT TO MAINTAIN, ENCOURAGE BURROWING ANIMAL HABITATS, AND PREVENT A THOROUGH INSPECTION OF THE DAM EMBANKMENT.

SEEDING INSTALLATION AROUND WET POND:

1. NEWLY GRADED SUBGRADES
- BEFORE PLACING TOPSOIL, RAKE SUBSOIL SURFACE CLEAR OF STONES, DEBRIS, AND ROOTS. DISK, DRAG, HARROW, OR HAND RAKE SUBGRADE TO DEPTH OF 4 INCHES AND REMOVE STONES LARGER THAN 1-1/2 INCHES TO PROVIDE BOND FOR TOPSOIL.
- SPREAD TOPSOIL TO A DEPTH OF 4 INCHES BUT NOT LESS THAN REQUIRED TO MEET FINISH GRADES AFTER LIGHT ROLLING AND NATURAL SETTLEMENT. ADJUST DEPTH OF TOPSOIL IN AREAS ADJACENT TO PAVED SURFACES OR CURBS TO ALLOW FOR THE PLACEMENT OF SOD OR SEED.
2. UNCHANGED SUBGRADES: IF AREAS TO BE SEEDDED ARE UNALTERED OR UNDISTURBED BY EXCAVATING, GRADING, OR SURFACE-SOIL STRIPPING OPERATIONS, PREPARE SURFACE AS FOLLOWS:
- REMOVE EXISTING GRASS, VEGETATION, AND TURF. DO NOT MIX INTO SURFACE SOIL.
- DISK, DRAG, OR HARROW SURFACE SOIL TO A DEPTH OF AT LEAST 6 INCHES.
- REMOVE STONES LARGER THAN 1-1/2 INCH IN ANY DIMENSION AND STICKS, ROOTS, TRASH, AND OTHER EXTRANEOUS MATTER.
- LEGALLY DISPOSE OF WASTE MATERIAL, INCLUDING GRASS, VEGETATION, AND TURF.
3. INCORPORATE SOIL AMENDMENTS AND COMMERCIAL FERTILIZER INTO THE TOP 4 INCHES OF TOPSOIL TO ACHIEVE THE SPECIFIED TOPSOIL REQUIREMENTS. TILL SOIL TO A HOMOGENOUS MIXTURE OF FINE TEXTURE.
4. GRADE AREAS TO FINISH GRADES, FILLING AS NEEDED OR REMOVING SURPLUS TOPSOIL. FLOAT AREAS TO SMOOTH, UNIFORM GRADE AS INDICATED ON THE DRAWINGS. AREAS SHALL SLOPE TO DRAIN.
5. WHERE NO GRADES ARE SHOWN, AREAS SHALL HAVE A SMOOTH AND CONTINUAL GRADE BETWEEN EXISTING OR FIXED CONTROLS, SUCH AS WALKS, CURBS, CATCH BASIN, STEPS, OR BUILDINGS. ROLL, SCARIFY, RAKE, AND LEVEL AS NECESSARY TO OBTAIN TRUE, EVEN LAWN SURFACES. FINISH GRADES SHALL MEET APPROVAL OF OWNER BEFORE GRASS SEED IS SOWN OR SOD IS PLACED.
6. SEED BEDS SHALL BE PERMITTED TO SETTLE OR SHALL BE FIRMED BY ROLLING BEFORE SEEDING BEGINS.
7. THE SURFACE OF THE SOIL SHOULD BE LOOSENEED JUST BEFORE BROADCASTING THE SEED. SEED SHOULD BE APPLIED EVENLY BY THE MOST CONVENIENT METHOD AVAILABLE FOR THE TYPE OF SEED TO BE USED AND THE LOCATION OF THE SEEDING. TYPICALLY APPLICATION METHODS INCLUDE BUT ARE NOT LIMITED TO CYCLONE SEEDERS, ROTARY SPREADERS, DROP SPREADERS BROADCAST SPREADERS, HAND SPREADERS, CULTIPACKER SEEDER, AND HYDRO-SEEDERS. COVER APPLIED SEED BY RAKING OR DRAGGING A CHAIN, AND THEN TIGHTLY FIRM THE AREA WITH A ROLLER OR CULTIPACKER. DO NOT ROLL SEED THAT IS APPLIED WITH A HYDRO-SEEDER AND HYDRO-MULCH.
8. IF A MINIMUM COVERAGE OF 70 PERCENT IS NOT ACHIEVED IN THE PLANTED VEGETATIVE SHELF AFTER THE SECOND GROWING SEASON, SUPPLEMENTAL PLANTING SHOULD BE COMPLETED. COVERAGE OF 90 TO 95 PERCENTAGE IS DESIRABLE. ONE YEAR (1 YR.) WARRANTY PERIOD IS CUSTOMARY AND ACCEPTABLE. THIS WARRANTY SHALL BE FULLY TRANSFERABLE TO ANY SUBSEQUENT OWNER UPON CONVEYANCE OF THE PROPERTY PRIOR TO ITS EXPIRATION.
9. TREES OR SHRUBS SHALL NOT BE PLANTED ON ANY PORTIONS OF WATER IMPOUNDING EMBANKMENTS, WITHIN THEIR SPILLWAYS/CHANNELS, AND THE REQUIRED ACCESS AND MAINTENANCE EASEMENT.

FRANKLIN COUNTY SUBMITTAL #2

8/1/2024

ALB

INITIAL SUBMITTAL TO FRANKLIN COUNTY

05/2024

ALB

REVISIONS

DATE

BY

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 PHONE: 919-677-2000 FAX: 919-677-2050
 WWW.KIMLEY-HORN.COM

KHA PROJECT

016675000

DATE

05/30/2024

SCALE

AS SHOWN

DESIGNED BY

ALB

DRAWN BY

ELR

CHECKED BY

ARS

WET POND PLANTING PLAN

NEW JERUSALEM CHURCH

PREPARED FOR

THE NEW JERUSALEM CHURCH OF

OUR LORD JESUS CHRIST, INC.

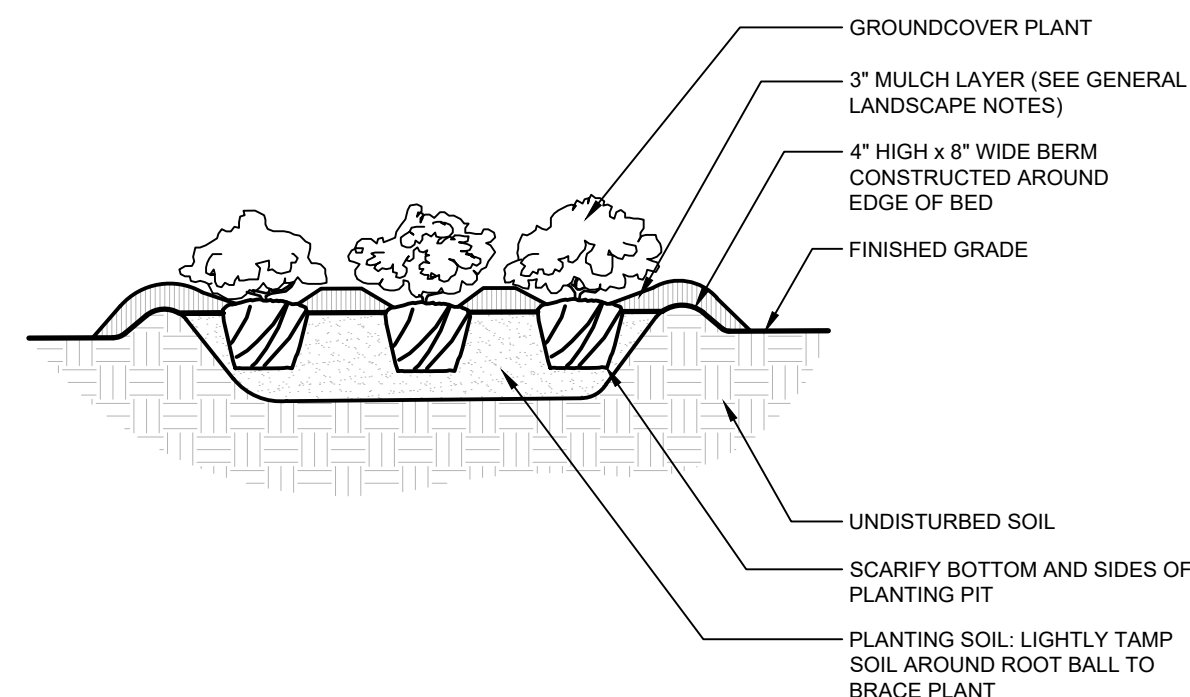
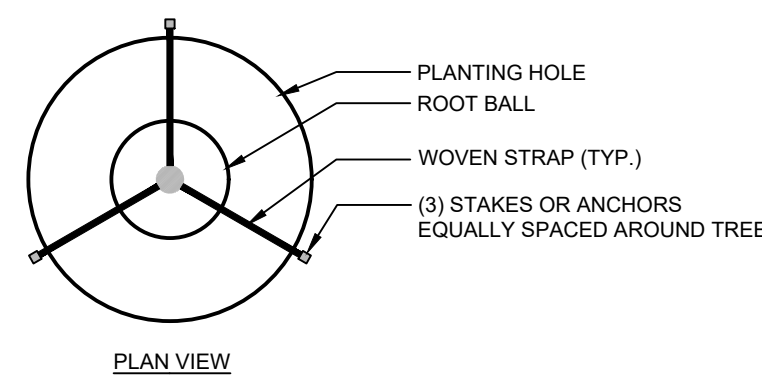
FRANKLIN COUNTY

SHEET NUMBER

L-101



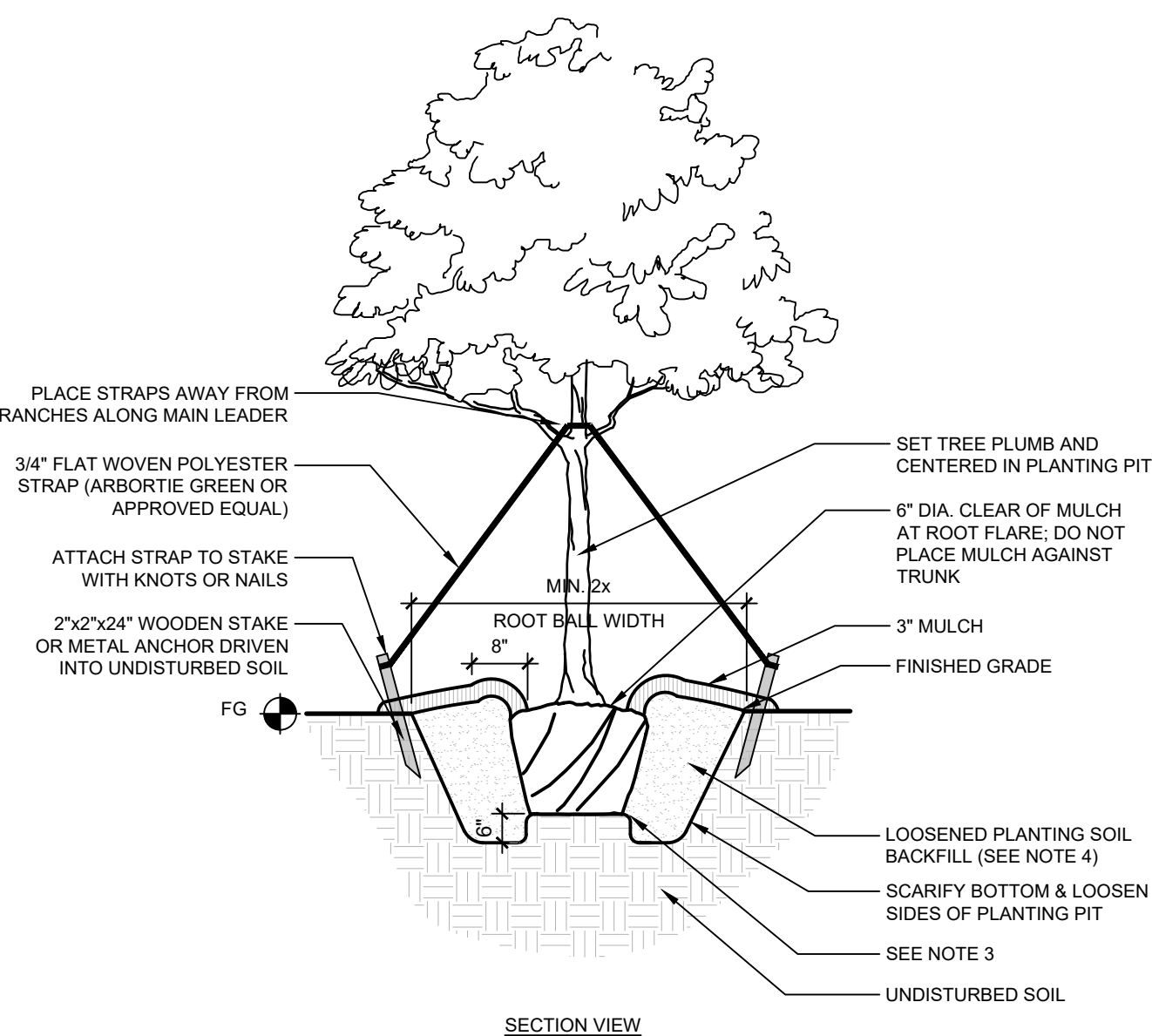
Plotted By: Brown, Allison (Revised) - Sheet Set: NEW JERUSALEM CHURCH - Landscape Details - August 02, 2024, 03:43:01pm. K:\RAL - LDEV\016675000 - new.jerusalem church\08 - cad files\landscapel\201 LANDSCAPE DETAILS.dwg
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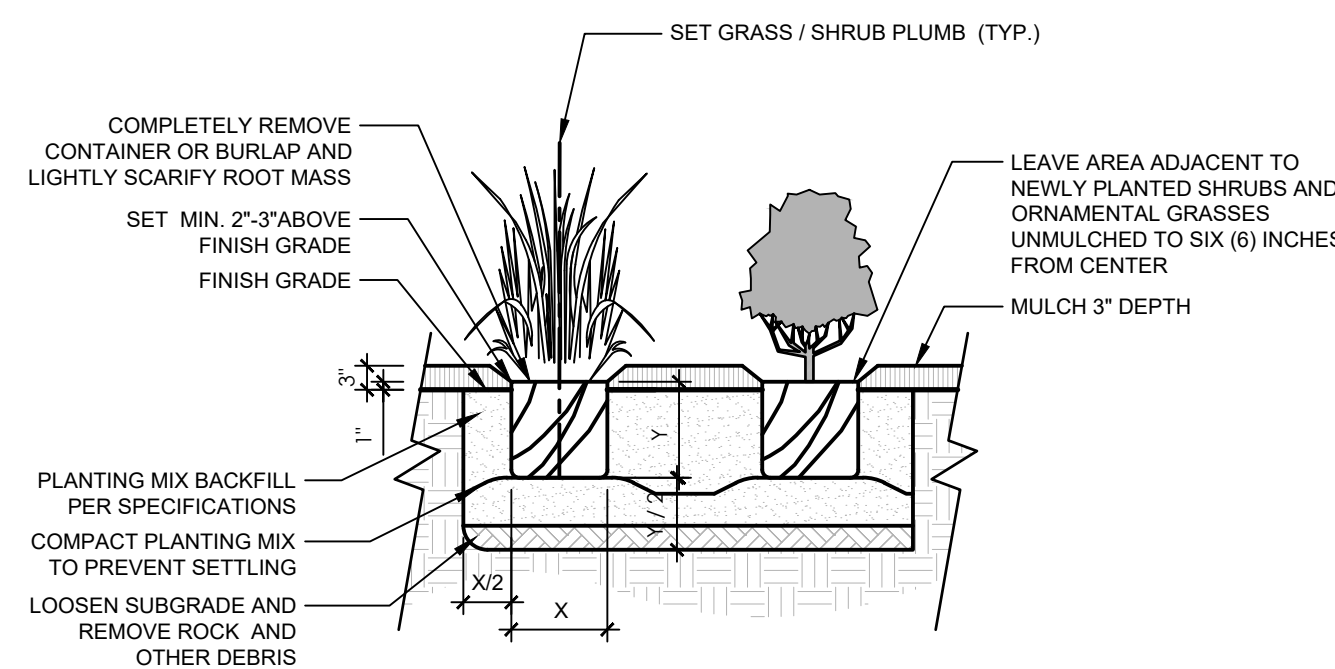
GROUND COVER NOTES:
 1. SPLIT PLANT ROOTS WITH 2-3 EQUALLY SPACED VERTICAL CUTS

3 GROUND COVER PLANTING
 1/2" = 1'-0" SECTION

- GENERAL LANDSCAPE NOTES:**
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
 - ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT SCHEDULE.
 - ALL TREES MUST HAVE A STRAIGHT TRUNK AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
 - ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
 - ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
 - ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED. MULCH TO BE THREE(3) INCHES OF TRIPLE SHREDDED HARDWOOD MULCH IN BROWN COLOR.
 - PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION. CONTRACTOR IS ALSO RESPONSIBLE FOR COORDINATING ALL UTILITY ADJUSTMENTS WITH FINAL FINISH GRADE. ALL UTILITIES SHALL SIT FLUSH WITH FINISH GRADES (BOTH PAVED AND LANDSCAPED SURFACES).
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THE LANDSCAPE PLANS BEFORE PRICING THE WORK. ANY DISCREPANCIES BETWEEN QUANTITIES ON PLAN AND PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT LANDSCAPE ARCHITECT AND ANY FIELD ADJUSTMENTS OR QUANTITY ADJUSTMENTS MUST BE AUTHORIZED PRIOR TO ORDERING AND PLANTING.
 - THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, WEEDING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL SUBSTANTIAL COMPLETION.
 - THE CONTRACTOR SHALL COMPLETELY WARRANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTEE PERIOD.
 - ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOOLIATES (PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE MEETING ALL PLANT SCHEDULE SPECIFICATIONS.
 - STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
 - ALL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH TRIPLE SHREDDED HARDWOOD MULCH OR CURRENT FRANKLIN COUNTY STANDARD TO A DEPTH OF THREE (3) INCHES. ANY EXISTING LANDSCAPE BEDS THAT ARE DISTURBED MUST BE MULCHED TO MATCH EXISTING MULCH FOUND WITHIN LANDSCAPE BED.
 - LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
 - SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
 - ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
 - THE TOP OF ALL ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
 - ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING TREES AND SHRUBS THAT WILL MEET BOTH MINIMUM SIZE AND SPACING REQUIREMENTS FOR THE FRANKLIN COUNTY UNIFIED DEVELOPMENT ORDINANCE (UDO). FAILURE TO INSTALL PLANT MATERIAL PER THIS PLAN WILL JEOPARDIZE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS OF PLANT MATERIAL.
 - CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & ORDINANCES REGARDING LANDSCAPING. GENERAL CONTRACTOR IS TO CLEAN THE ENTIRE SITE OF ALL CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.
 - THE CONTRACTOR SHALL INSTALL NON-WOVEN GEOTEXTILE UNDER PLANTING BED MULCH IN ALL LANDSCAPE BEDS TO PREVENT WEED GROWTH.



1 STANDARD TREE PLANTING
 1/2" = 1'-0" PLAN/SECTION



- SHRUB AND ORNAMENTAL GRASS PLANTING NOTES:**
- ALL PLANT MATERIAL PRICING SHALL INCLUDE MULCH, SOIL AMENDMENTS, BED PREPARATION, AND STAKING.
 - ALL PLANTING BEDS SHALL RECEIVE 3" (THREE INCHES) OF MULCH.
 - MULCH TYPE FOR PROJECT: DOUBLE SHREDDED HARDWOOD HARDWOOD DESIGNER MULCH IN DARK BROWN.
 - PLANT MATERIAL SPACING SHOWN ON LANDSCAPE PLANS SHALL OVERRIDE TYPICAL PLANT SPACING INDICATED ON PLANT SCHEDULE. LANDSCAPE CONTRACTOR RESPONSIBLE FOR VERIFYING ALL PLANT SPACING AND MAKING MINOR FIELD ADJUSTMENTS DUE TO UTILITY CONFLICTS.
 - ALL SHRUBS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE MOST RECENT "AMERICAN STANDARDS FOR NURSERY STOCK" PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN (A.A.N.)
 - SOIL ANALYSIS SHALL BE OBTAINED PRIOR TO PLANTING. SOIL SHALL BE AMENDED AS RECOMMENDED BY CERTIFIED TESTING AGENCY.
 - SEE PLAN FOR SPACING.

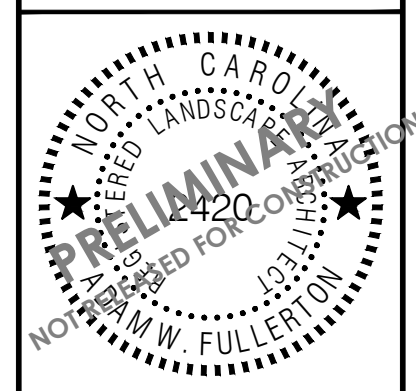
2 SHRUB & ORNAMENTAL GRASS PLANTING
 1/2" = 1'-0" SECTION

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT.	CAL.	HEIGHT
CANOPY TREES							
	BD	6	BETULA NIGRA 'BNMTF'	DURA HEAT® RIVER BIRCH	B&B	3" CAL.	10' MIN.
	LT	10	LIRIODENDRON TULIPIFERA	TULIP POPLAR	B&B	3" CAL.	10' MIN.
	UL	19	ULMUS AMERICANA 'PRINCETON'	AMERICAN ELM	B&B	3" CAL.	10' MIN.
EVERGREEN TREES							
	MB	3	MAGNOLIA GRANDIFLORA 'D.D. BLANCHARD'	D.D. BLANCHARD SOUTHERN MAGNOLIA	B&B	3" CAL.	10' MIN.
UNDERSTORY TREES							
	AG	7	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE APPLE SERVICEBERRY	B&B	2" CAL.	8' HT. MIN.
	AT	11	ACER TRUNCATUM	SHANTUNG MAPLE	B&B	2" CAL.	8' HT. MIN.
	CF	14	CORNUS FLORIDA	FLOWERING DOGWOOD	B&B	2" CAL.	8' HT. MIN.
	ML	6	MAGNOLIA GRANDIFLORA 'LITTLE GEM'	LITTLE GEM DWARF SOUTHERN MAGNOLIA	B&B	2" CAL.	8' HT. MIN.
SHRUBS							
	IC	45	ILEX CORNUTA 'CARISSA'	CARISSA CHINESE HOLLY	3 GAL.		24" MIN.
	LI	24	LOROPETALUM CHINENSE RUBRUM 'KUROBUJIN'	CERISE CHARM™ FRINGE FLOWER	3 GAL.		24" MIN.
	PY	35	PRUNUS LAUROCERASUS 'OTTO LUYKEN'	OTTO LUYKEN ENGLISH LAUREL	6 GAL.		24" MIN.
GROUND COVERS							
	CM	62,483 SF	CYNODON DACTYLON 'MIDWAY'	MIDWAY BERMUDAGRASS	SOD		

NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			
6			
7			

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 421 FAYETTEVILLE STREET, SUITE 600, RALEIGH, NC 27601



KHA PROJECT	016675000
DATE	05/30/2024
SCALE	AS SHOWN
DESIGNED BY	ALB
DRAWN BY	ELR
CHECKED BY	ARS

LANDSCAPE DETAILS

NEW JERUSALEM CHURCH
 PREPARED FOR
 THE NEW JERUSALEM CHURCH OF
 OUR LORD JESUS CHRIST, INC.
 FRANKLIN COUNTY NC



COLUMN - 1

COLUMN - 2

COLUMN - 3

COLUMN - 4

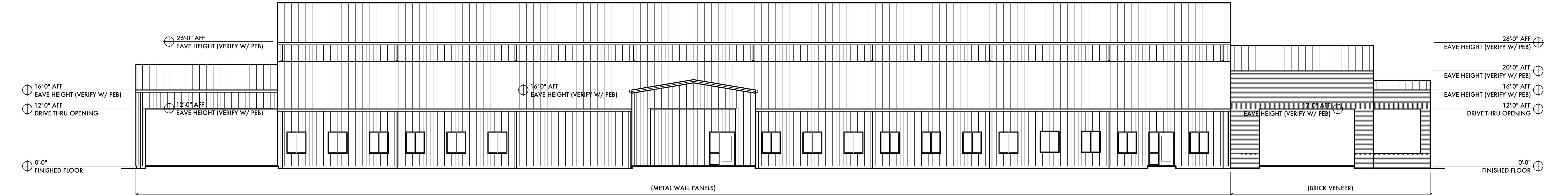
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A1 EAST EXTERIOR ELEVATION

A-3.01 SCALE: 3/32"=1'-0"

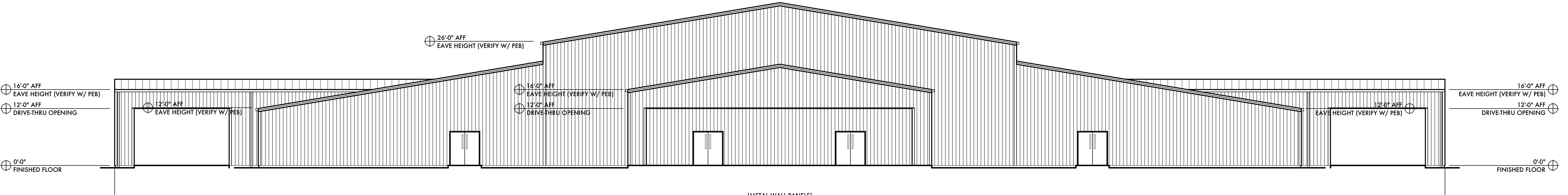
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B1 SOUTH EXTERIOR ELEVATION

A-3.01 SCALE: 3/32"=1'-0"

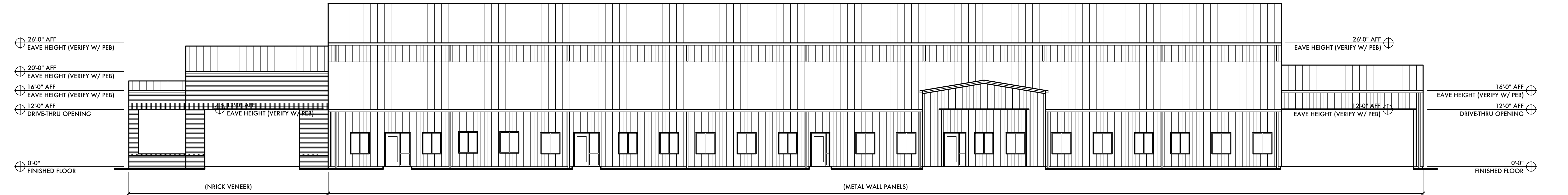
"C" - BLOCK



C1 WEST EXTERIOR ELEVATION

A-3.01 SCALE: 3/32"=1'-0"

"D" - BLOCK

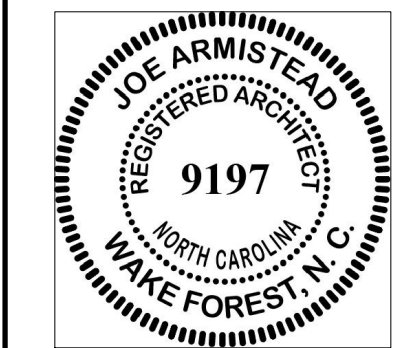


D1 NORTH EXTERIOR ELEVATION

A-3.01 SCALE: 3/32"=1'-0"



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Consultants:

No.	Revision	Date
0	Issued for Permitting/ Construction	/2023
A	Site Plan Approval Submittal	06/14/2024

Client/Project:
 New Jerusalem Church
NEW JERUSALEM CHURCH
 Franklin, North Carolina

Sheet Title:
EXTERIOR ELEVATIONS
 Project No.: **23016**
 Revision: **A**

Sheet No.: **A-3.01**

File Location: