

OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING. 2. ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS. 3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE

5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS.

PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS. 6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.

7. CONTACT TRAFFIC ENGINEERING AT 910.341.7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. 22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR OR ASSE. 23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER 8. CALL TRAFFIC ENGINEERING AT 910.341.7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.

- 9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- 10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITH THE PARKING AREAS SHALL BE WHITE.
- | 11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT—OF—WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- 12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION. 13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.

19. IF THE CONTRACTOR DESIRED CFPUA WATER FOR CONSTRUCTION, HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A

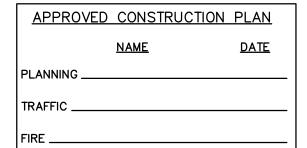
REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX. 20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL

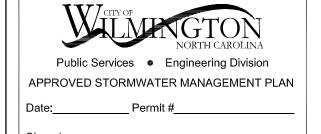
21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZER SENSOR.

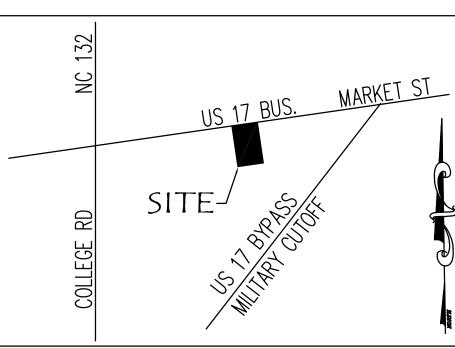
TO BE NOTIFIED OF ANY CONFLICTS. 24. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.

25. UNDERGROUND FIRE LINE(S) MUST BE PERMITTED AND INSPECTED BY THE WILMINGTON FIRE DEPARTMENT FROM THE PUBLIC RIGHT-OF-WAY TO THE BUILDING. CONTACT WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910.341.0696. 26. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE

27. CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1.800.632.4949 PRIOR TO DOING ANY DIGGING, CLEARING OR GRADING.







VICINITY MAP (N.T.S.)

SITE DATA

DESIGNER:

PROJECT: BLAIR ELEMENTARY SCHOOL OWNER: NEW HANOVER COUNTY SCHOOLS

OWNER CONTACT: NEW HANOVER COUNTY BOARD OF EDUCATION EDDIE ANDERSON

6410 CAROLINA BEACH ROAD WILMINGTON, NC 28412

910-254-4325 CLH DESIGN, PA

DESIGNER CONTACT: ZAK PIERCE REGENCY PARK

400 REGENCY FOREST DR., STE. 120 CARY, NC 27518 PHONE: 919-319-6716

FAX: 919-319-7516 PROJECT ADDRESS: 6510 MARKET STREET

> WILMINGTON, NC 28405 R05008-003-032-000

ZONING: OVERLAY DISTRICT:

EXISTING USE: INSTITUTIONAL/EDUCATIONAL PROPOSED USE: INSTITUTIONAL/EDUCATIONAL

TRACT AREA: 13.79 ACRES (600,692.4 SF) FLOODPLAIN: SITE IS NOT WITHIN A FLOODPLAIN

(REF: FIRM 3720315800J, APRIL 3, 2006)

THERE ARE NO ENDANGERED SPECIES OR HABITATS ON THIS SITE

BUILDING SETBACKS: FRONT

REAR INTERIOR SIDE

TYPE OF CONSTRUCTION: TYPE IIB

PARKING REQUIREMENTS:

1 SPACE PER TEACHER OR STAFF PERSON*

NO. OF TEACHERS AND STAFF: TOTAL SPACES REQ'D: TOTAL SPACES PROVIDED:

TOTAL H/C SPACES REQ'D: TOTAL H/C SPACES PROVIDED: 5 (W/ 2 VAN ACCESSIBLE)

*IF A PARKING GROUP DOES NOT CONTAIN A SPECIFIC MAXIMUM LIMIT ON THE NUMBER OF PARKING SPACES, THE MAXIMUM ALLOWABLE PARKING SPACES SHALL BE 150 PERCENT OF THE MINIMUM PARKING STANDARD FOR SUCH PARKING GROUPS.

TOTAL BICYCLE SPACES REQ'D: TOTAL BICYCLE SPACES PROVIDED: 20

NUMBER OF PROPOSED BUILDINGS:

NUMBER OF FLOORS ON PROPOSED BUILDING: 1 GROSS FLOOR AREA:

EXISTING: 49,624 SQFT. PROPOSED 1ST FLOOR: 56,781 SQFT. PROPOSED 2ND FLOOR: 30,844 SQFT. PROPOSED TOTAL: 87,625 SQFT.

BUILDING LOT COVERAGE-EXISTING: 8.3% BUILDING LOT COVERAGE-PROPOSED: 9.5% MAX. BUILDING HEIGHT PROPOSED: 33' 1"

EXISTING IMPERVIOUS (WITHIN PROJECT LIMITS): 4.20-AC (183,092-SF) PROPOSED IMPERVIOUS (WITHIN PROJECT LIMITS): 5.08-AC (221,232-SF)

CAMA LAND USE CLASSIFICATION:

CAMA AREAS OF CONCERN (AEC): THIS SITE IS NOT WITHIN A CAMA AEC.

THE SITE HAS NO LOCAL, STATE OR FEDERALLY RECOGNIZED HISTORIC STRUCTURES

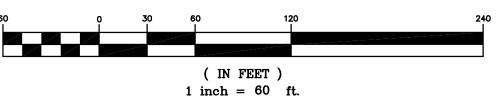
OR ARCHAEOLOGICAL RESOURCES.

THE SITE HAS NO CEMETARIES, BURIAL SITES OR BURIAL GROUNDS.

THE SITE HAS NO EXISTING EASEMENT ON SITE. PROPOSED WATER AND SEWER CAPACITY:

WATER: 7,200 GPD (600 STUDENTS X 12 GPD) SEWER: 7,200 GPD (600 STUDENTS X 12 GPD)

A TREE REMOVAL/PRESERVATION PERMIT IS REQUIRED PRIOR TO REMOVING ANY TREES. CONTRACTOR SHALL OBTAIN & COMPLETE PERMIT. CONTACT CITY OF WILMINGTON ZONING DEPARTMENT TO OBTAIN COPY OF PERMIT.







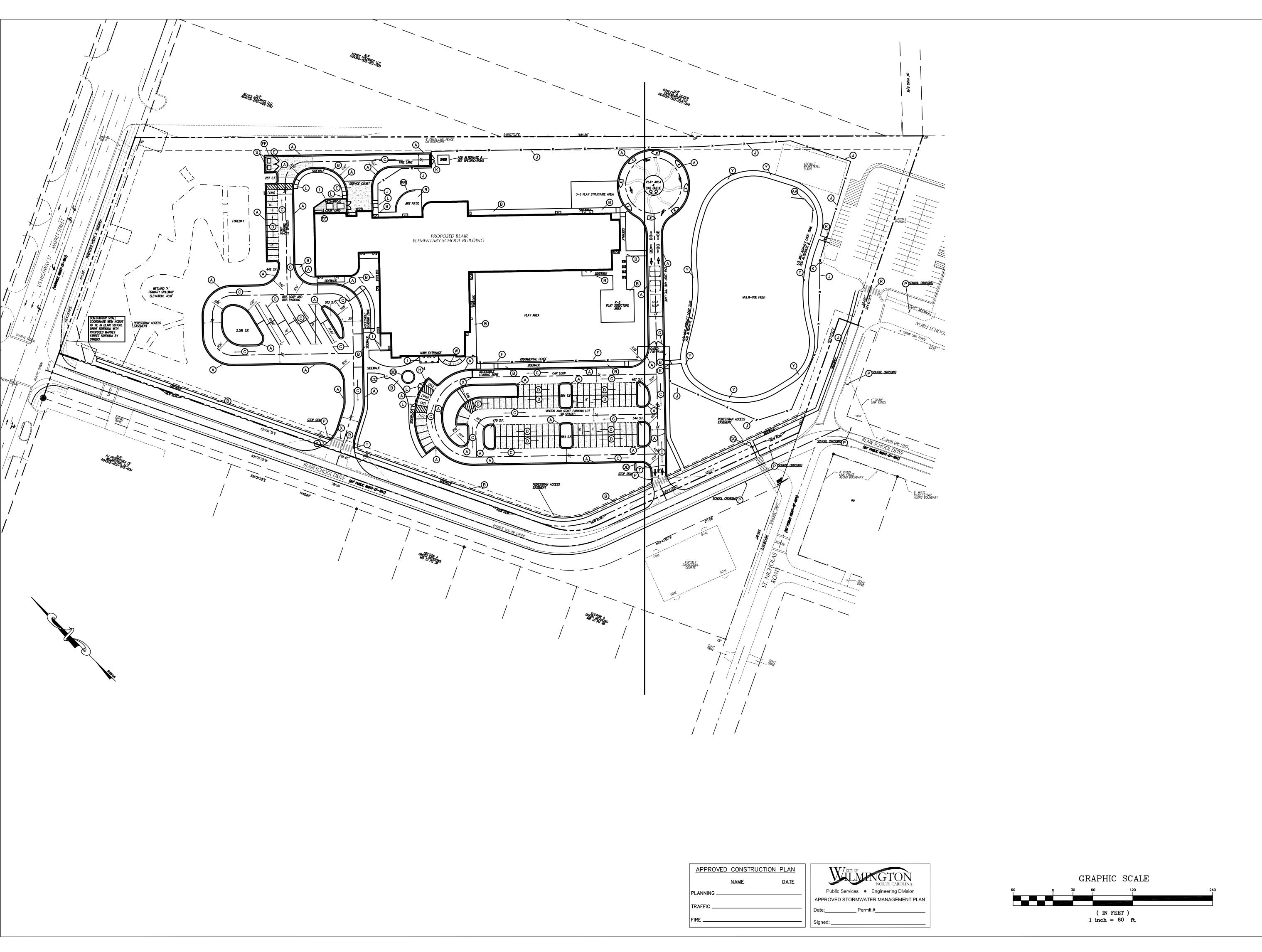
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ENERGY PARTNER ID DATE DESCRIPTION ISSUE DATE: 10/03/2016

PROJECT #: SFLA - 01504.000 CAD TECH.: YLA CAD TECH.: CHECKED BY: KAL/ZRP

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OVERALL SITE PLAN







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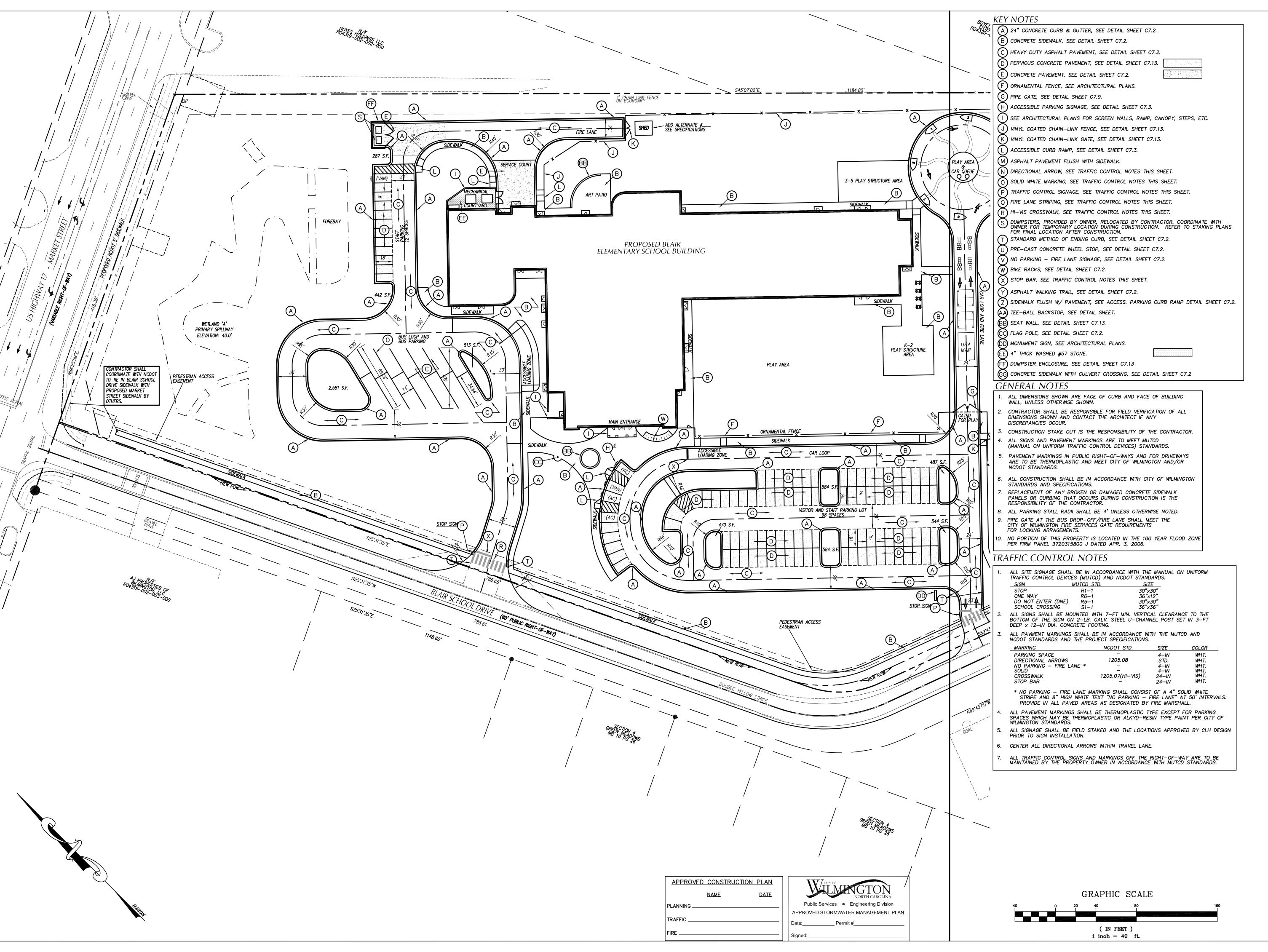
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OVERALL SITE STAKING PLAN

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WHANOVER COUNTY SCHOOLS

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ISSUE DATE: 10/03/2016

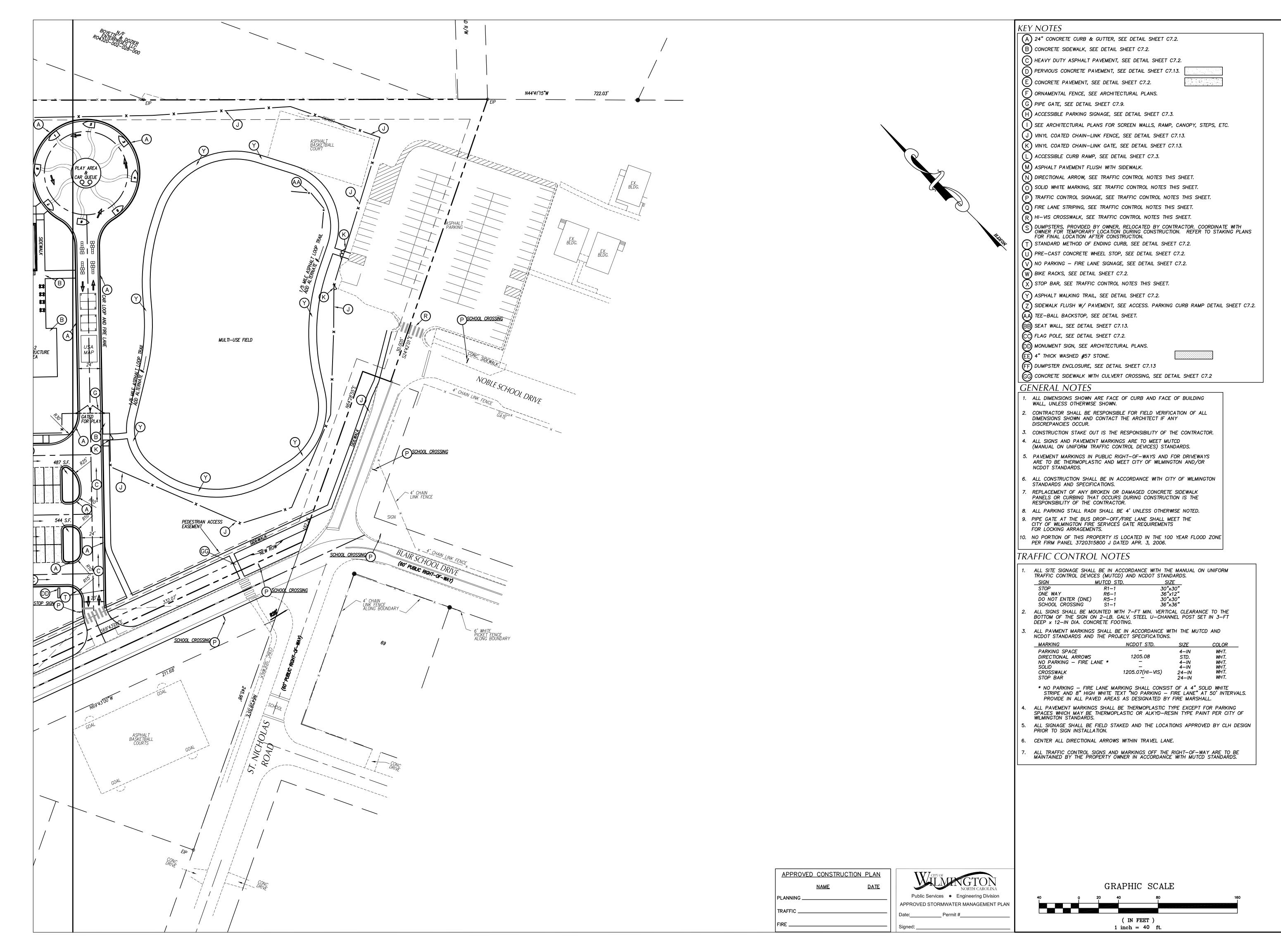
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SITE STAKING PLAN

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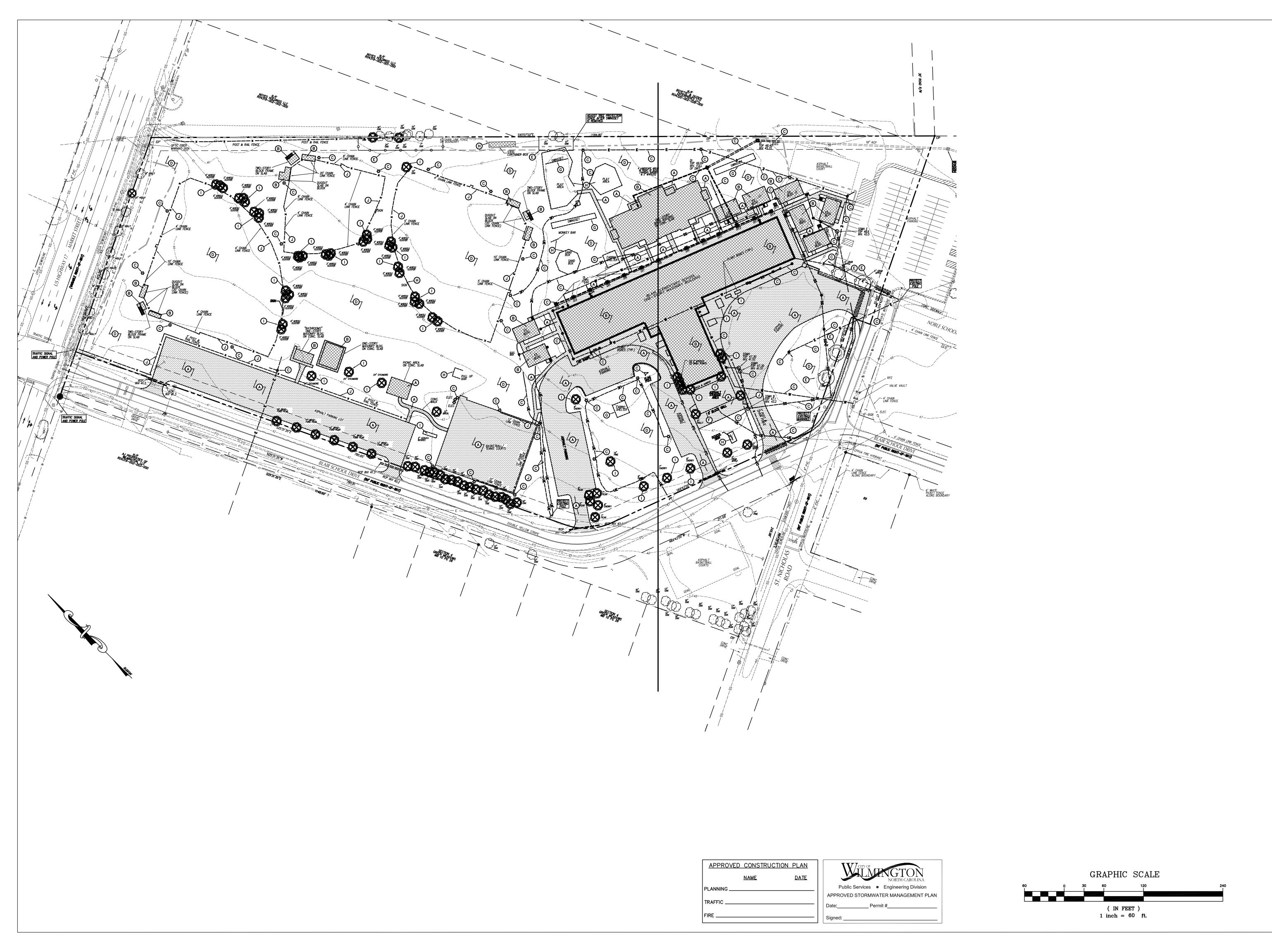
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SITE STAKING PLAN

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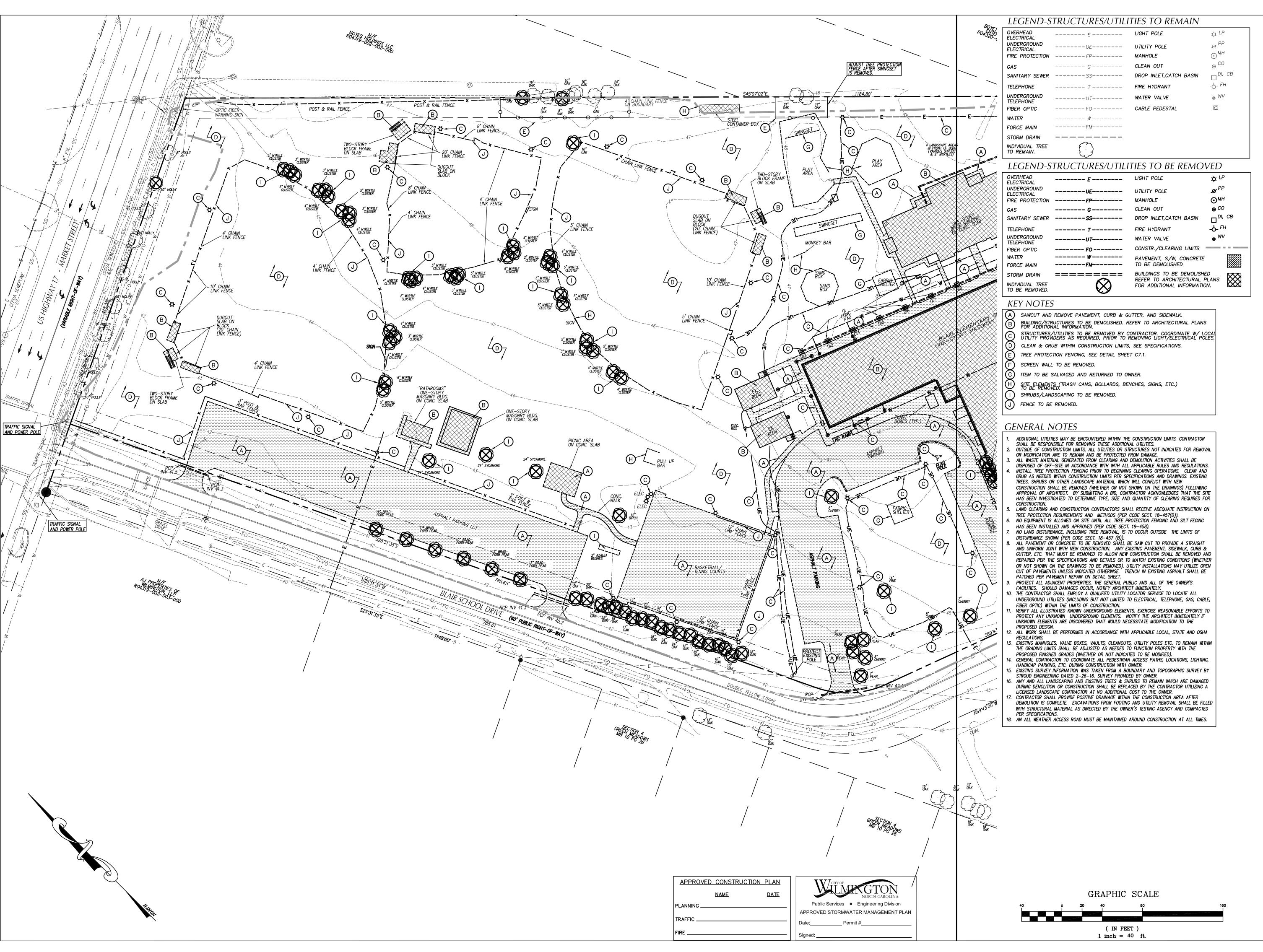
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ISSUE DATE: 10/03/2016

PROJECT #: SFLA - 01504.000
CAD TECH.: MB
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OVERALL EXISTING
CONDITIONS AND
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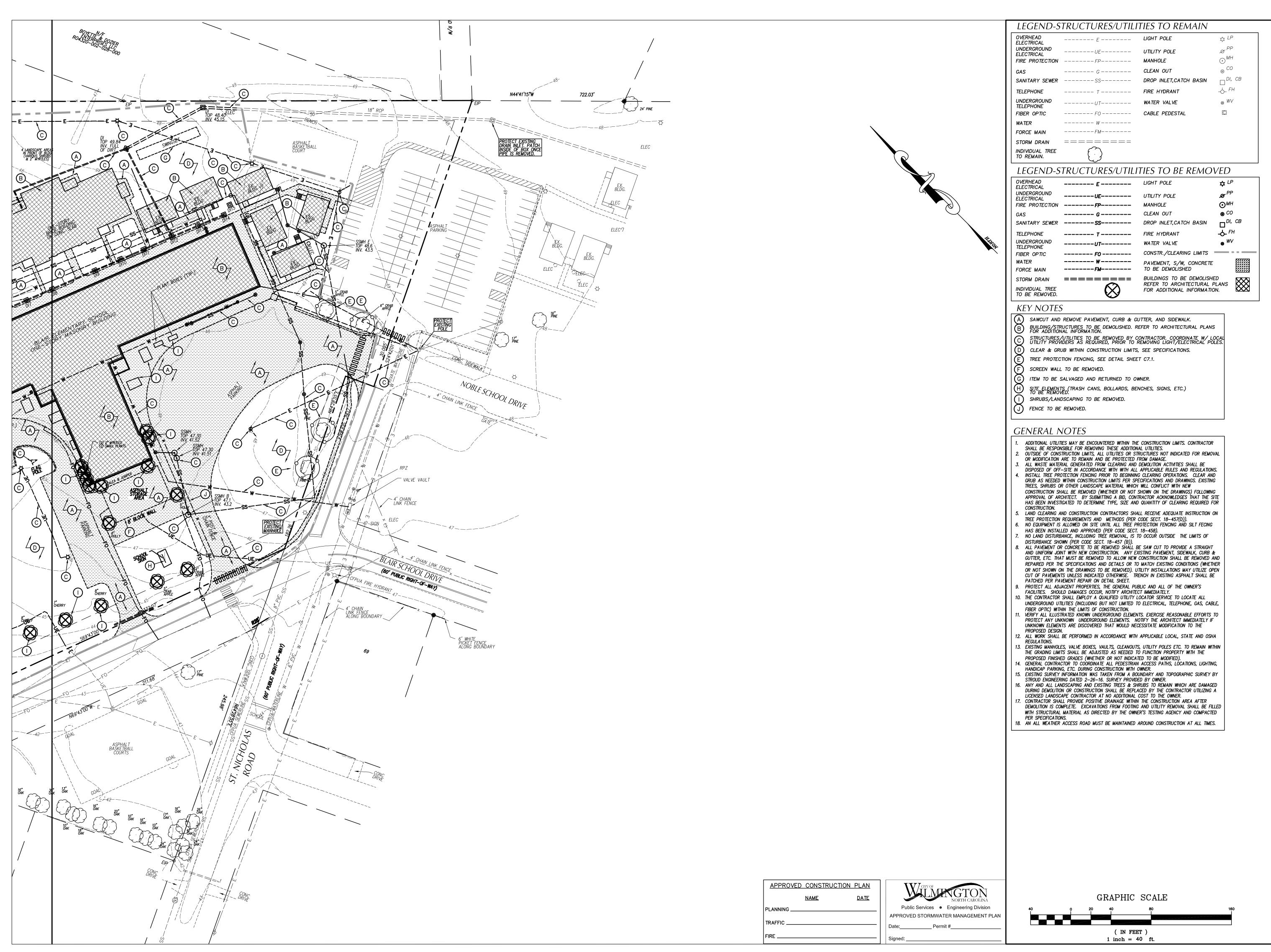
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EXISTING
CONDITIONS
AND DEMO PLAN

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Cary, North Carolina 27518
Phone: (919) 319-6716
Fax: (919) 319-7516
LA: C-106
PE: C-1595

ELEMENTARY SCHOOLS
NOVER COUNTY SCHOOLS

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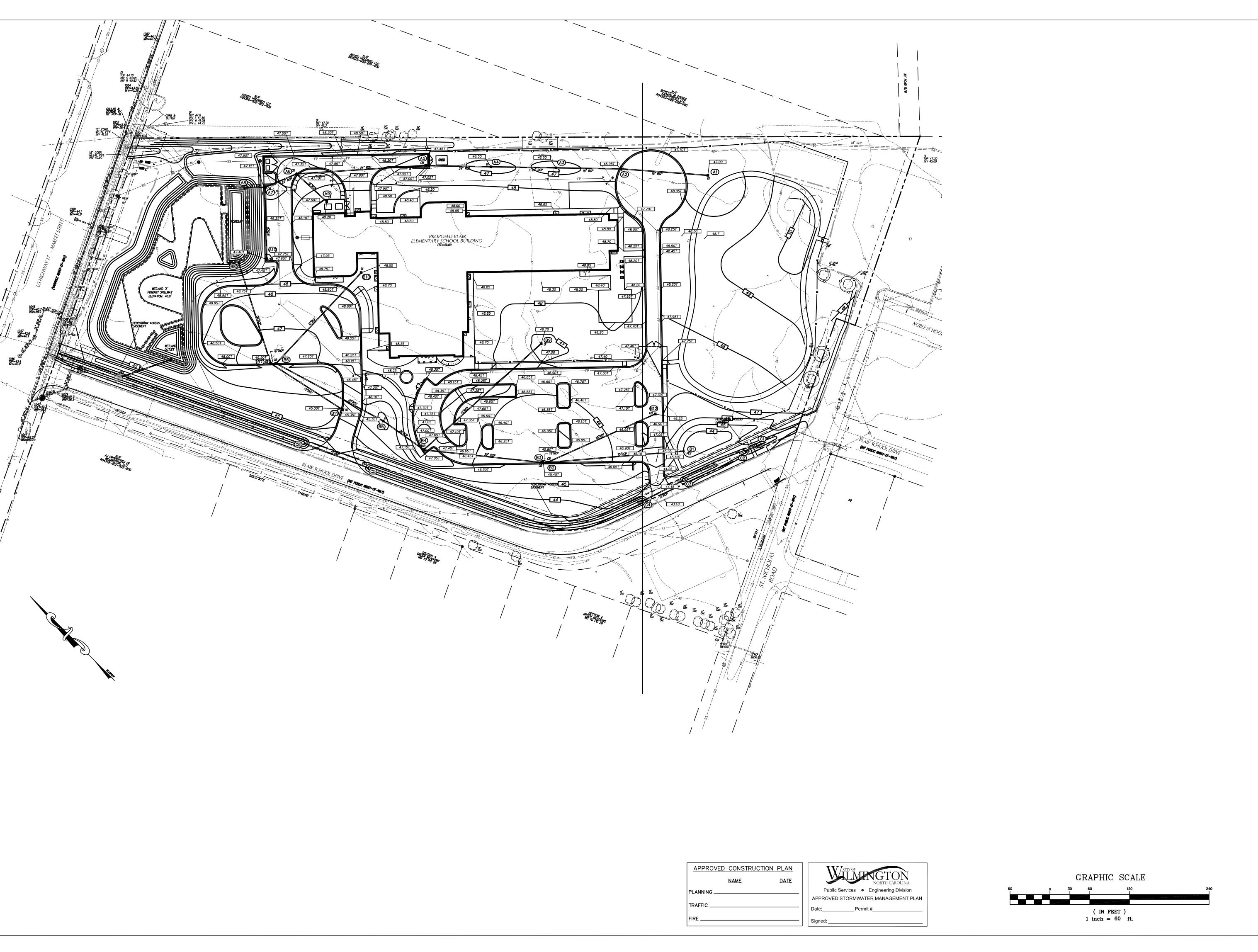
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CONDITIONS AND DEMO PLAN

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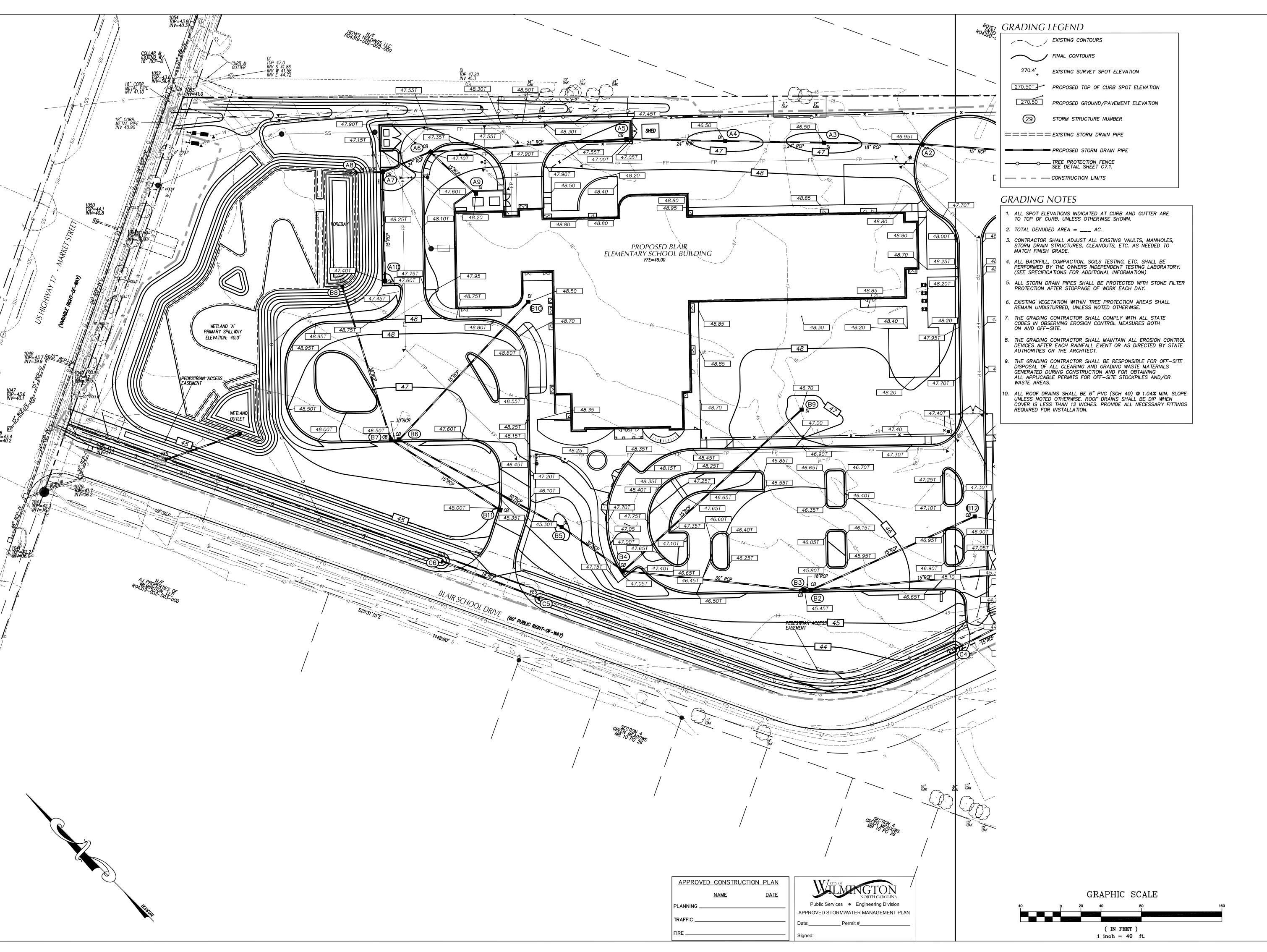
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OVERALL SITE GRADING PLAN

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ENERGY STAR PARTNER

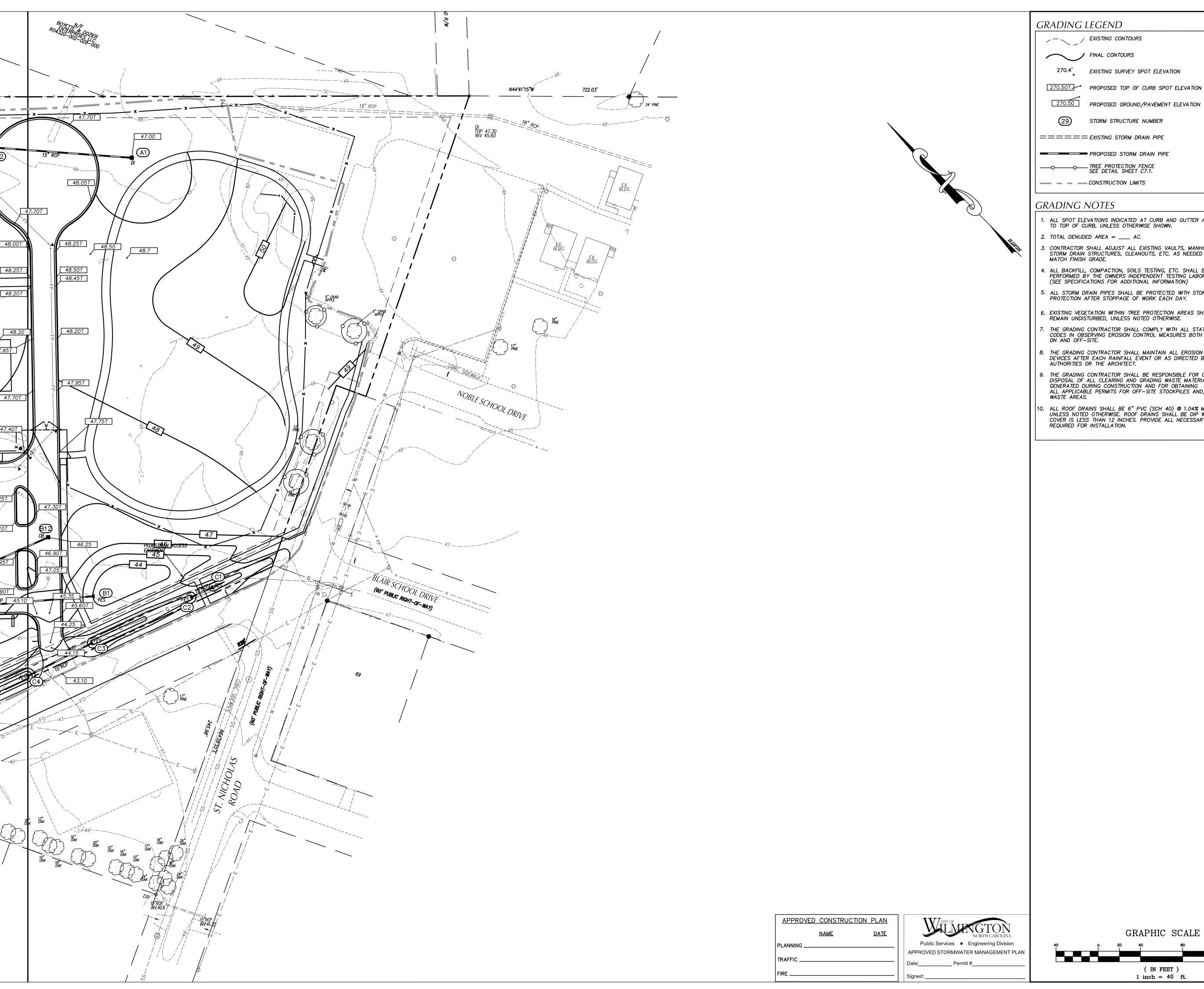
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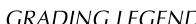
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SITE GRADING PLAN

C3.1





/ EXISTING CONTOURS

270.4' EXISTING SURVEY SPOT ELEVATION

270.50 PROPOSED GROUND/PAVEMENT ELEVATION

PROPOSED STORM DRAIN PIPE

- ALL SPOT ELEVATIONS INDICATED AT CURB AND GUTTER ARE TO TOP OF CURB, UNLESS OTHERWISE SHOWN.
- 2. TOTAL DENUDED AREA = ___ AC.
- CONTRACTOR SHALL ADJUST ALL EXISTING VAULTS, MANHOLES, STORM DRAIN STRUCTURES, CLEANOUTS, ETC. AS NEEDED TO
- 4. ALL BACKFILL, COMPACTION, SOILS TESTING, ETC. SHALL BE PERFORMED BY THE OWNERS INDEPENDENT TESTING LABORATORY. (SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION)
- 5. ALL STORM DRAIN PIPES SHALL BE PROTECTED WITH STONE FILTER
- 6. EXISTING VEGETATION WITHIN TREE PROTECTION AREAS SHALL REMAIN UNDISTURBED, UNLESS NOTED OTHERWISE.
- THE GRADING CONTRACTOR SHALL COMPLY WITH ALL STATE CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF—SITE.
- 8. THE GRADING CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AFTER EACH RAINFALL EVENT OR AS DIRECTED BY STATE AUTHORITIES OR THE ARCHITECT.
- 9. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR OFF-SITE DISPOSAL OF ALL CLEARING AND GRADING WASTE MATERIALS GENERATED DURING CONSTRUCTION AND FOR OBTAINING ALL APPLICABLE PERMITS FOR OFF-SITE STOCKPILES AND/OR
- 10. ALL ROOF DRAINS SHALL BE 6" PVC (SCH 40) @ 1.04% MIN. SLOPE UNLESS NOTED OTHERWISE. ROOF DRAINS SHALL BE DIP WHEN COVER IS LESS THAN 12 INCHES. PROVIDE ALL NECESSARY FITTINGS REQUIRED FOR INSTALLATION.

(IN FEET) 1 inch = 40 ft.





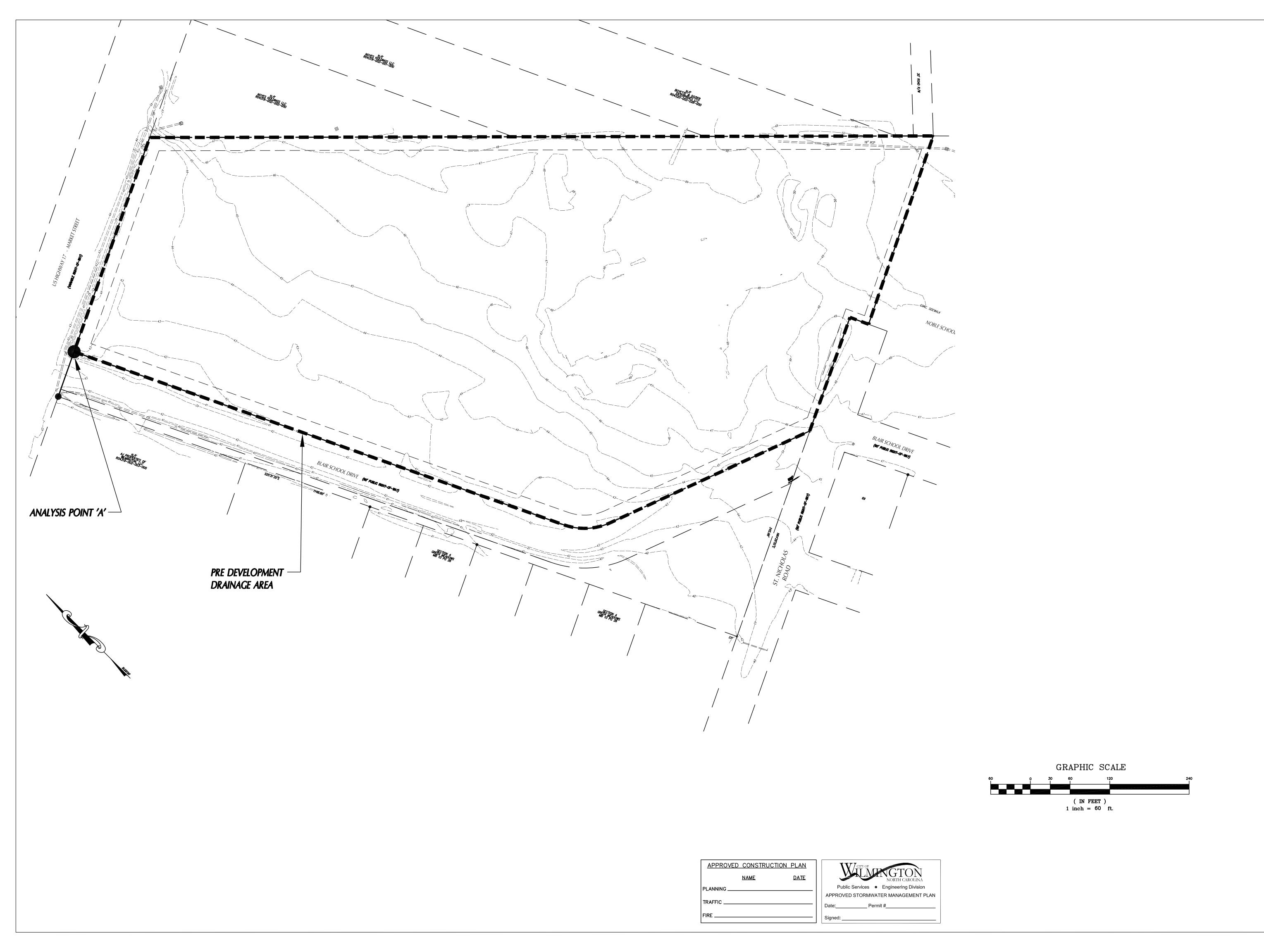
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SITE GRADING PLAN







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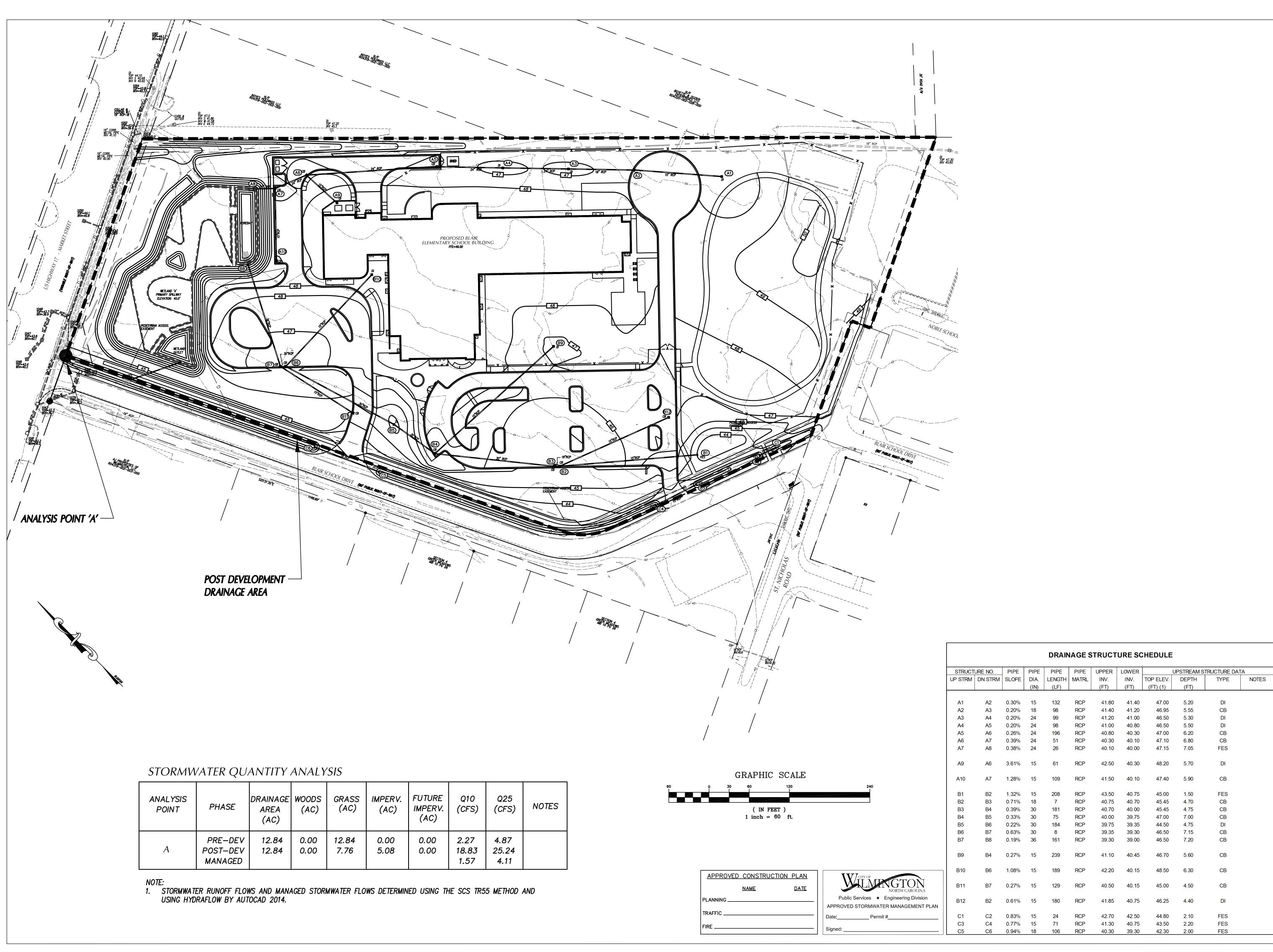
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PRE DEVELOP. STORMWATER MANAGEMENT PLAN

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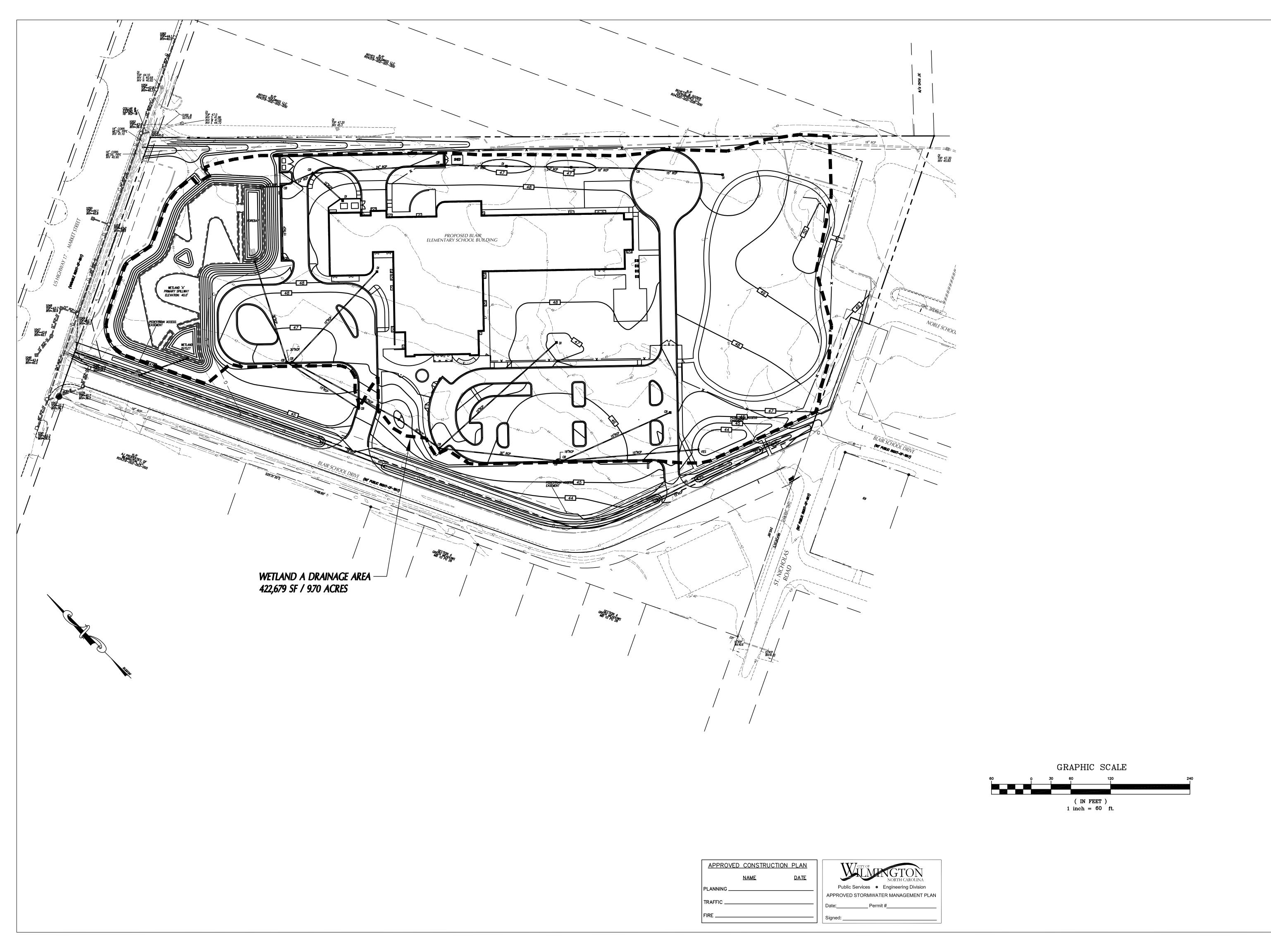
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POST DEVELOP. STORMWATER **MANAGEMENT** PLAN





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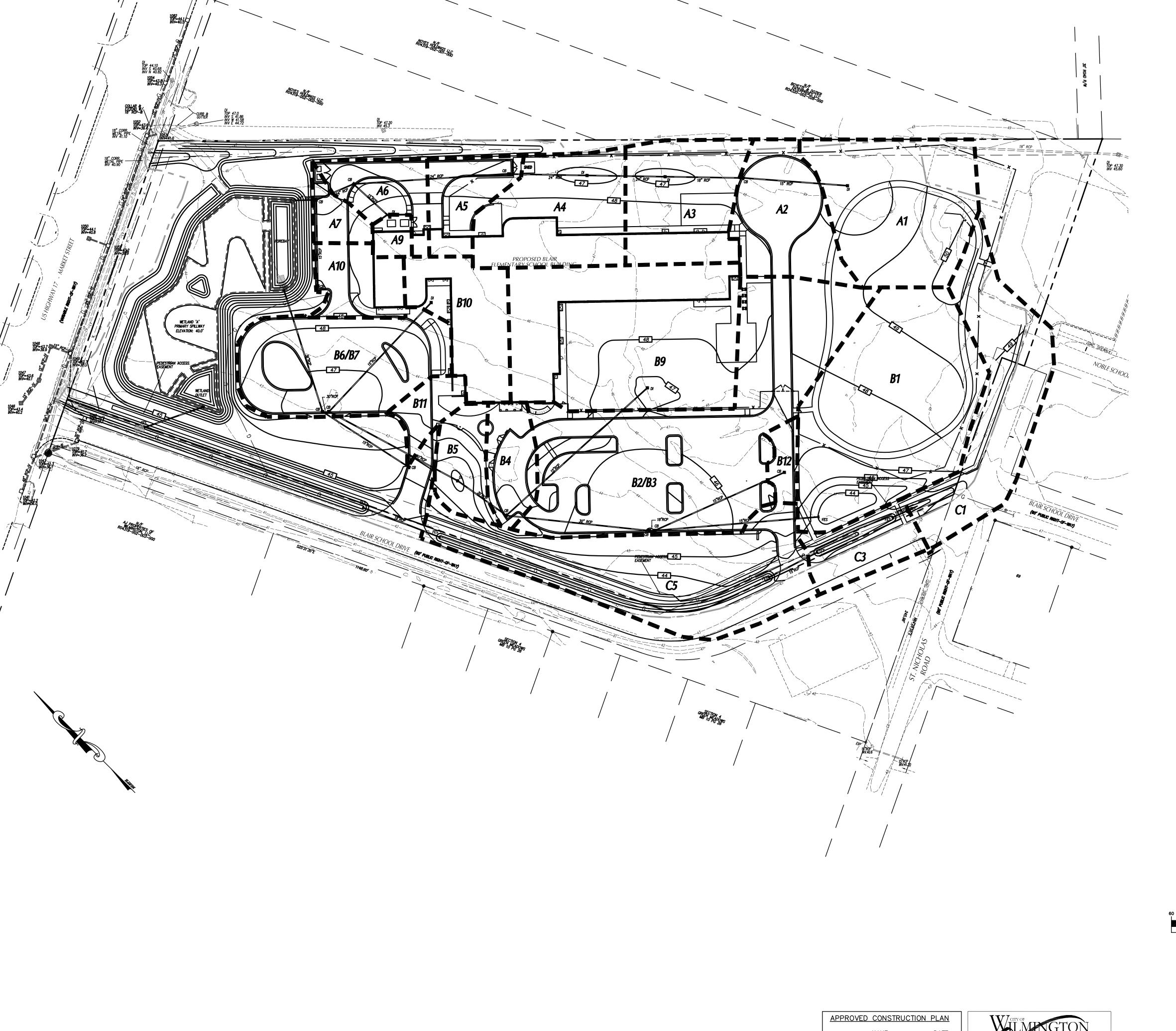
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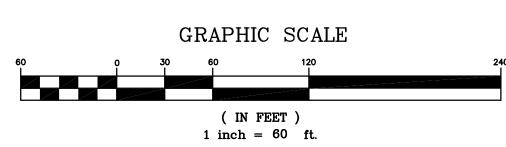
STORMWATER BMP DRAINAGE AREA PLAN

C3.5

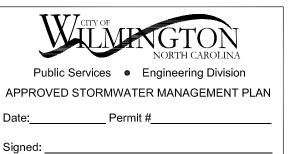


DRAINAGE AREAS TO INLETS

INLET NO.	AREA (SF)	AREA (AC)
A1	33,300	0.76
A2	19,400	0.45
A3	21,900	0.50
A4	24,100	0.55
A5	10,050	0.23
A6	9,650	0.22
A7	4,300	0.10
A9	2,500	0.06
A10	9,600	0.22
В1	51,900	1.19
B2/B3	67,800	1.56
В4	8,650	0.20
B5	8,550	0.20
B6/B7	30,000	0.69
В9	51,650	1.19
B10	16,400	0.38
B11	5,200	0.12
B12	3,350	0.08
C1	30,550	0.70
<i>C</i> 3	10,200	0.23
C5	44,400	0.98



APPROVED CONSTRUCTION PLAN						
	<u>NAME</u>	<u>DATE</u>				
PLANNING						
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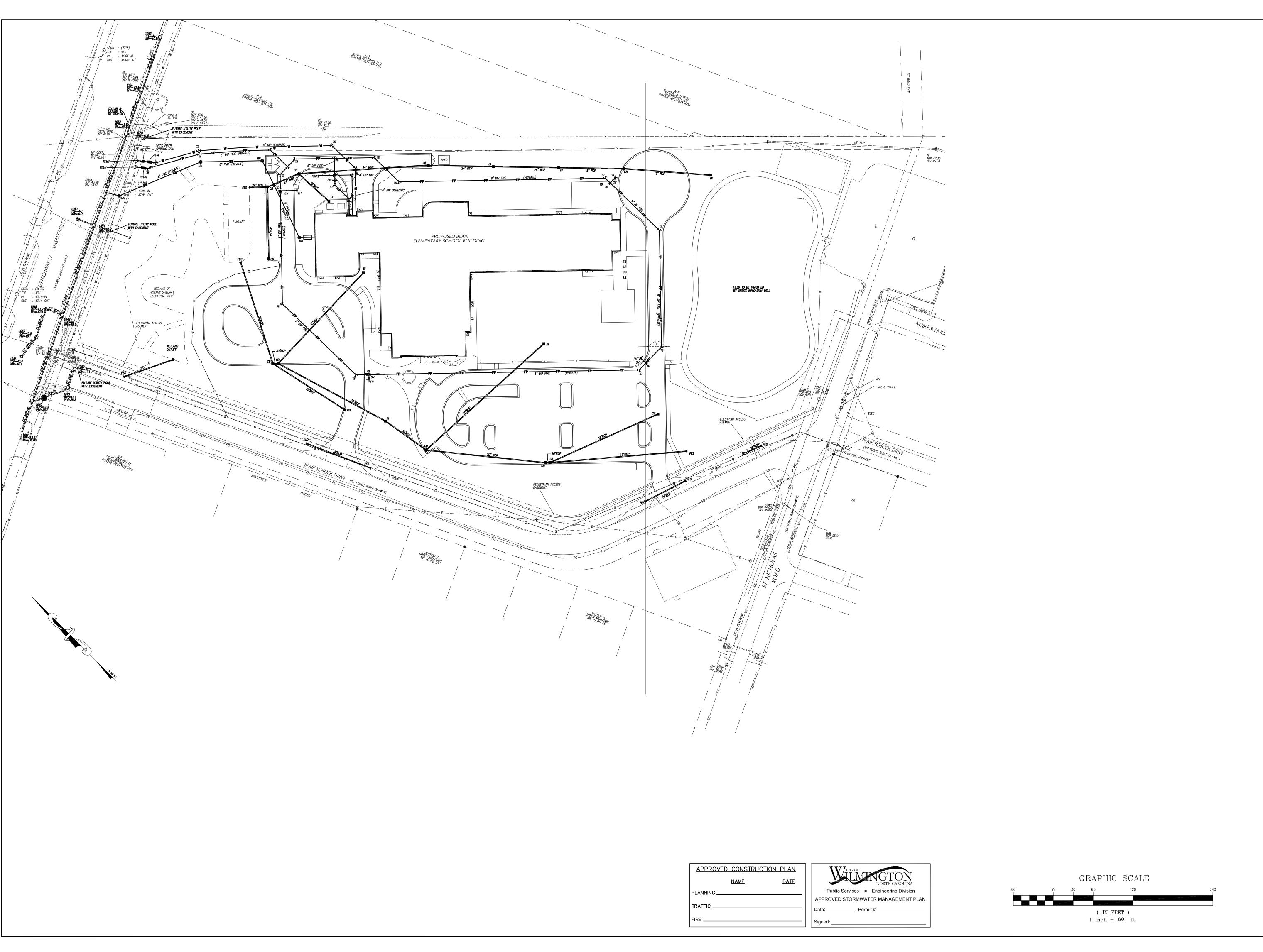
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INLET DRAINAGE AREA PLAN

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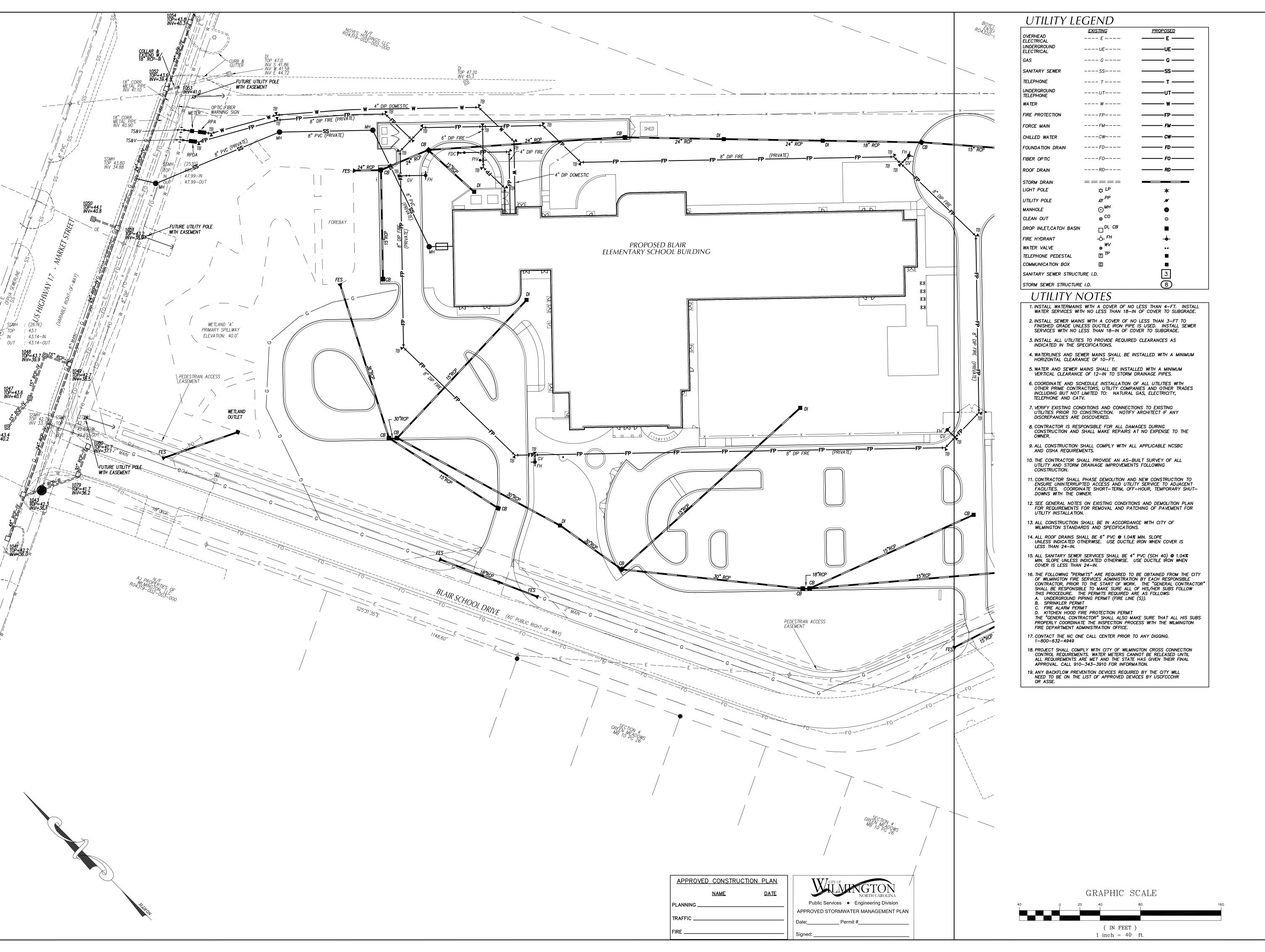
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OVERALL SITE UTILITY

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PLAN







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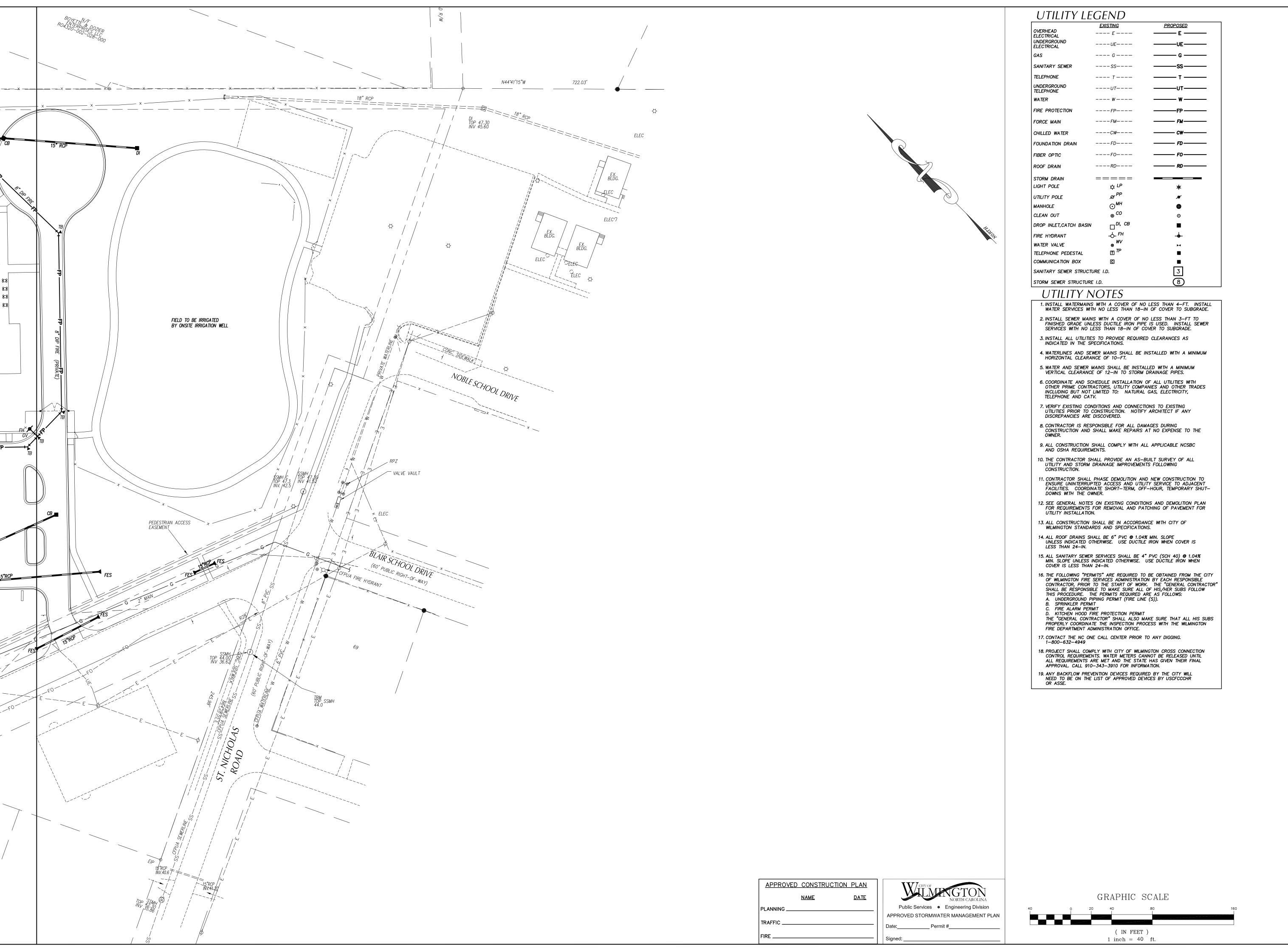
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PLAN



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Raleigh, NC 27601
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Fax: 919.573.6355
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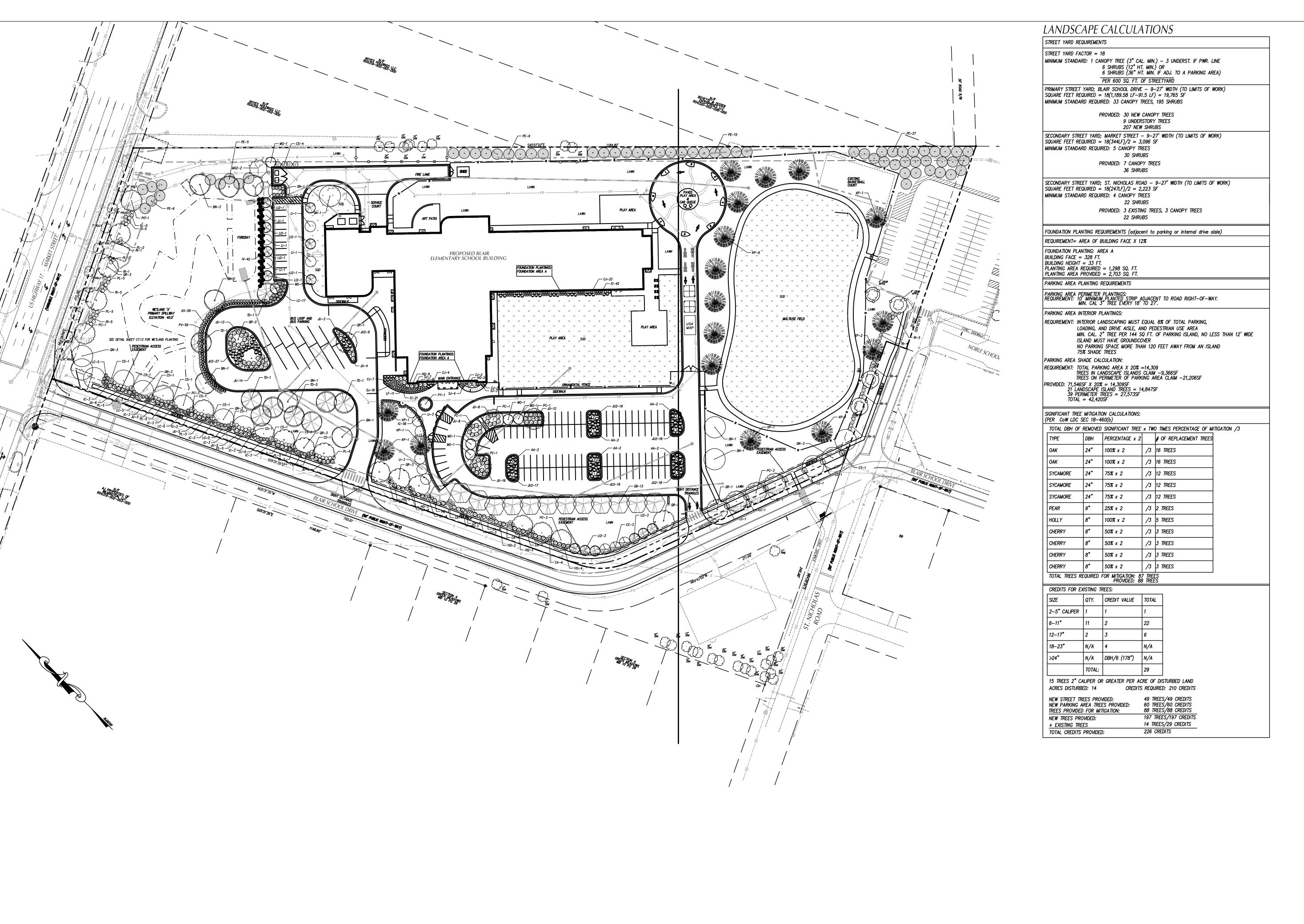
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SITE UTILITY PLAN

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APPROVED CONSTRUCTION PLAN

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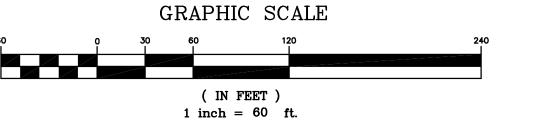
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Signed:



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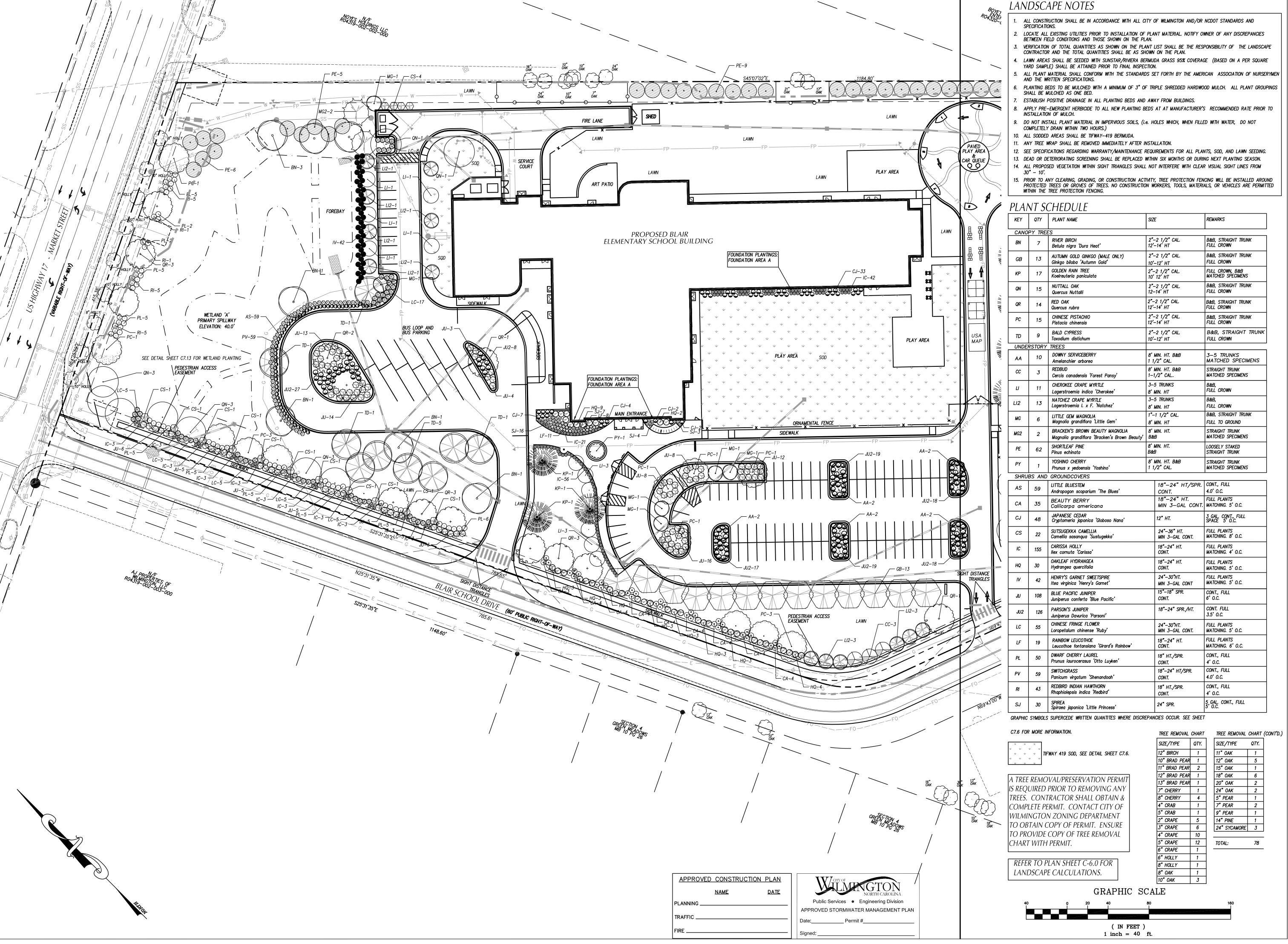
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ENERGY STAR PARTNER

DESCRIPTION
ISSUE DATE: 10/03/2016
PROJECT #: SFLA - 01504.000
CLH - 15-143
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OVERALL LANDSCAPE PLAN



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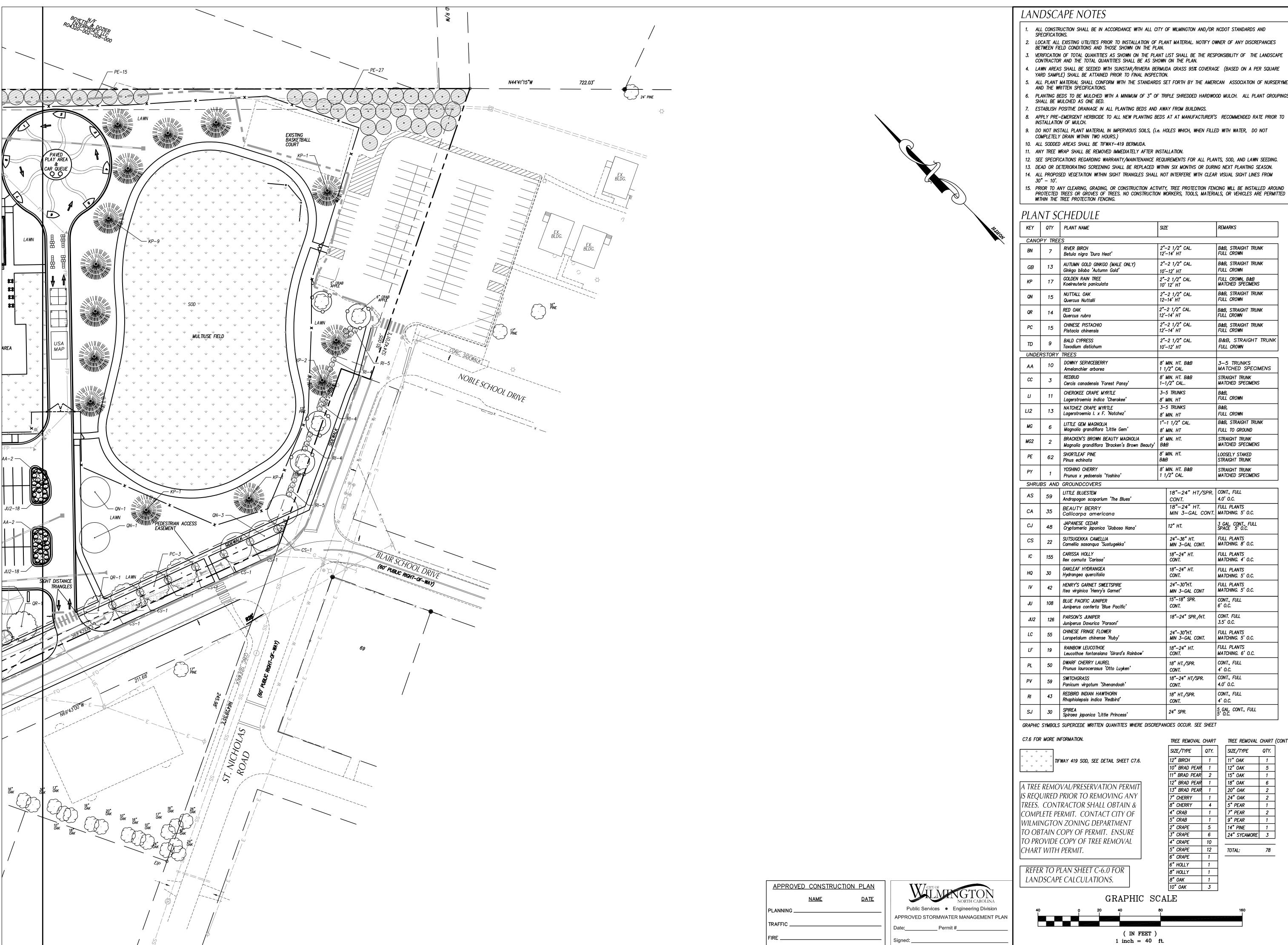
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ISSUE DATE: 10/03/2016

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LANDSCAPE PLAN



LANDSCAPE NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL CITY OF WILMINGTON AND/OR NCDOT STANDARDS AND
- L LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY OWNER OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
- . VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
- 4. LAWN AREAS SHALL BE SEEDED WITH SUNSTAR/RIVIERA BERMUDA GRASS 95% COVERAGE (BASED ON A PER SQUARE
- YARD SAMPLE) SHALL BE ATTAINED PRIOR TO FINAL INSPECTION. . ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
- 6. PLANTING BEDS TO BE MULCHED WITH A MINIMUM OF 3" OF TRIPLE SHREDDED HARDWOOD MULCH. ALL PLANT GROUPINGS
- SHALL BE MULCHED AS ONE BED.
- ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDINGS.
- 9. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS, (i.e. HOLES WHICH, WHEN FILLED WITH WATER, DO NOT
- COMPLETELY DRAIN WITHIN TWO HOURS.)
- 10. ALL SODDED AREAS SHALL BE TIFWAY-419 BERMUDA.
- 11. ANY TREE WRAP SHALL BE REMOVED IMMEDIATELY AFTER INSTALLATION.
- 12. SEE SPECIFICATIONS REGARDING WARRANTY/MAINTENANCE REQUIREMENTS FOR ALL PLANTS, SOD, AND LAWN SEEDING.
- 13. DEAD OR DETERIORATING SCREENING SHALL BE REPLACED WITHIN SIX MONTHS OR DURING NEXT PLANTING SEASON. 14. ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM
- 15. PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED

PLANT SCHEDULE

KEY	QTY	PLANT NAME	SIZE	REMARKS
CANO	PY TREI	L ES		
BN	7	RIVER BIRCH Betula nigra 'Dura Heat'	2"-2 1/2" CAL. 12'-14' HT	B&B, STRAIGHT TRUNK FULL CROWN
GB	13	AUTUMN GOLD GINKGO (MALE ONLY) Ginkgo biloba 'Autumn Gold'	2"-2 1/2" CAL. 10'-12' HT	B&B, STRAIGHT TRUNK FULL CROWN
KP	17	GOLDEN RAIN TREE Koelreuteria paniculata	2"-2 1/2" CAL. 10' 12' HT	FULL CROWN, B&B MATCHED SPECIMENS
QN	15	NUTTALL OAK Quercus Nuttalli	2"-2 1/2" CAL. 12-14' HT	B&B, STRAIGHT TRUNK FULL CROWN
QR	14	RED OAK Quercus rubra	2"-2 1/2" CAL. 12'-14' HT	B&B, STRAIGHT TRUNK FULL CROWN
PC	15	CHINESE PISTACHIO Pistacia chinensis	2"-2 1/2" CAL. 12'-14' HT	B&B, STRAIGHT TRUNK FULL CROWN
TD	9	BALD CYPRESS Taxodium distichum	2"-2 1/2" CAL. 10'-12' HT	B&B, STRAIGHT TRUN FULL CROWN
UNDE	RSTORY	TREES		
AA	10	DOWNY SERVICEBERRY Amelanchier arborea	8' MIN. HT. B&B 1 1/2" CAL.	3-5 TRUNKS MATCHED SPECIMENS
сс	3	REDBUD Cercis canadensis 'Forest Pansy'	8' MIN. HT. B&B 1-1/2" CAL	STRAIGHT TRUNK MATCHED SPECIMENS
Ц	11	CHEROKEE CRAPE MYRTLE Lagerstroemia indica 'Cherokee'	3–5 TRUNKS 8' MIN. HT	B&B, FULL CROWN
LI2	13	NATCHEZ CRAPE MYRTLE Lagerstroemia I. x F. 'Natchez'	3–5 TRUNKS 8' MIN. HT	B&B, FULL CROWN
MG	6	LITTLE GEM MAGNOLIA Magnolia grandiflora 'Little Gem'	1"-1 1/2" CAL. 8' MIN. HT	B&B, STRAIGHT TRUNK FULL TO GROUND
MG2	2	BRACKEN'S BROWN BEAUTY MAGNOLIA Magnolia grandiflora 'Bracken's Brown Beauty'	8' MIN. HT. B&B	STRAIGHT TRUNK MATCHED SPECIMENS
PE	62	SHORTLEAF PINE Pinus echinata	8' MIN. HT. B&B	LOOSELY STAKED STRAIGHT TRUNK
PY	1	YOSHINO CHERRY Prunus x yedoensis 'Yoshino'	8' MIN. HT. B&B 1 1/2" CAL.	STRAIGHT TRUNK MATCHED SPECIMENS
SHRU	BS AND	GROUNDCOVERS	•	•
AS	59	LITTLE BLUESTEM Andropogon scoparium 'The Blues'	18"-24" HT/SPR CONT.	. CONT., FULL 4.0' O.C.
		, , ,		

		Time opegen coopenium inc ziece	00/1/	
Α	<i>3</i> 5	BEAUTY BERRY Callicarpa americana	18"-24" HT. MIN 3-GAL CONT.	
J	48	JAPANESE CEDAR Cryptomeria japonica 'Globoso Nana'	12" HT.	3 GAL. CONT., FULL SPACE 5' O.C.
s	22	SUTSUGEKKA CAMELLIA Camellia sasanqua 'Sustugekka'	24"-36" HT. MIN 3-GAL CONT.	FULL PLANTS MATCHING. 8' O.C.
С	155	CARISSA HOLLY llex cornuta 'Carissa'	18"-24" HT. CONT.	FULL PLANTS MATCHING. 4' O.C.
Q	30	OAKLEAF HYDRANGEA Hydrangea quercifolia	18"–24" HT. CONT.	FULL PLANTS MATCHING. 5' O.C.
V	42	HENRY'S GARNET SWEETSPIRE Itea virginica 'Henry's Garnet'	24"-30"HT. MIN 3-GAL CONT	FULL PLANTS MATCHING. 5' O.C.
υ	108	BLUE PACIFIC JUNIPER Juniperus conferta 'Blue Pacific'	15"–18" SPR. CONT.	CONT., FULL 6' O.C.
		PARSON'S JUNIPER	18"-24" SPR /HT	CONT. FULL

13" BRAD PEAR 1
7" CHERRY 1
8" CHERRY 4

IV	42	HENRY'S GARNET SWEETSPIRE Itea virginica 'Henry's Garnet'	24"-30"HT. MIN 3-GAL CONT	FULL PLANTS MATCHING. 5' O.C.
JU	108	BLUE PACIFIC JUNIPER Juniperus conferta 'Blue Pacific'	15"-18" SPR. CONT.	CONT., FULL 6' O.C.
JU2	126	PARSON'S JUNIPER Juniperus Davurica 'Parsoni'	18"–24" SPR./HT.	CONT. FULL 3.5' O.C.
LC	55	CHINESE FRINGE FLOWER Loropetalum chinense 'Ruby'	24"-30"HT. MIN 3-GAL CONT.	FULL PLANTS MATCHING. 5' O.C.
LF	19	RAINBOW LEUCOTHOE Leucothoe fontansiana 'Girard's Rainbow'	18"–24" HT. CONT.	FULL PLANTS MATCHING. 6' O.C.
PL	50	DWARF CHERRY LAUREL Prunus laurocerasus 'Otto Luyken'	18" HT./SPR. CONT.	CONT., FULL 4' O.C.
PV	59	SWTCHGRASS Panicum virgatum 'Shenandoah'	18"-24" HT/SPR. CONT.	CONT., FULL 4.0' O.C.
RI	43	REDBIRD INDIAN HAWTHORN Rhaphiolepsis indica 'Redbird'	18" HT./SPR. CONT.	CONT., FULL 4' O.C.
,	70	SPIRFA	04" CDD	5 GAL. CONT., FULL

GRAPHIC SYMBOLS SUPERCEDE WRITTEN QUANTITES WHERE DISCREPANCIES OCCUR. SEE SHEET

C7.6 FOR MORE INFORMATION.

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*		Ψ		Ψ		III WAY	419	SOD,	SEE	DE I AIL	SHEET	C7.6
	Ψ		V		V							

A TREE REMOVAL/PRESERVATION PERMIT IS REQUIRED PRIOR TO REMOVING ANY TREES. CONTRACTOR SHALL OBTAIN & COMPLETE PERMIT. CONTACT CITY OF

EES. CONTRACTOR SHALL OBTAIN &	8" CHERRY	4	
MPLETE PERMIT. CONTACT CITY OF	4" CRAB	1	
MINGTON ZONING DEPARTMENT	5" CRAB	1	
	2" CRAPE	5	
OBTAIN COPY OF PERMIT. ENSURE	3" CRAPE	6	
PROVIDE COPY OF TREE REMOVAL	4" CRAPE	10] -
ART WITH PERMIT.	5" CRAPE	12	
	6" CRAPE	1] -
FFFD TO DI ALL GUIFFT C (0 FOD	6" HOLLY	1	
EFER TO PLAN SHEET C-6.0 FOR	8" HOLLY	1	
ANDSCAPE CALCULATIONS.	8" OAK	1	
	10" OAK	7	1

R TO PLAN SHEET C-6.0 FOR DSCAPE CALCULATIONS.		
GRAP	HIC	SCAI

(IN FEET) 1 inch = 40 ft.

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BMIT

SU

5" PEAR 1

7" PEAR 2

24" SYCAMORE 3

20" OAK

24" OAK

TOTAL:

ENERGY

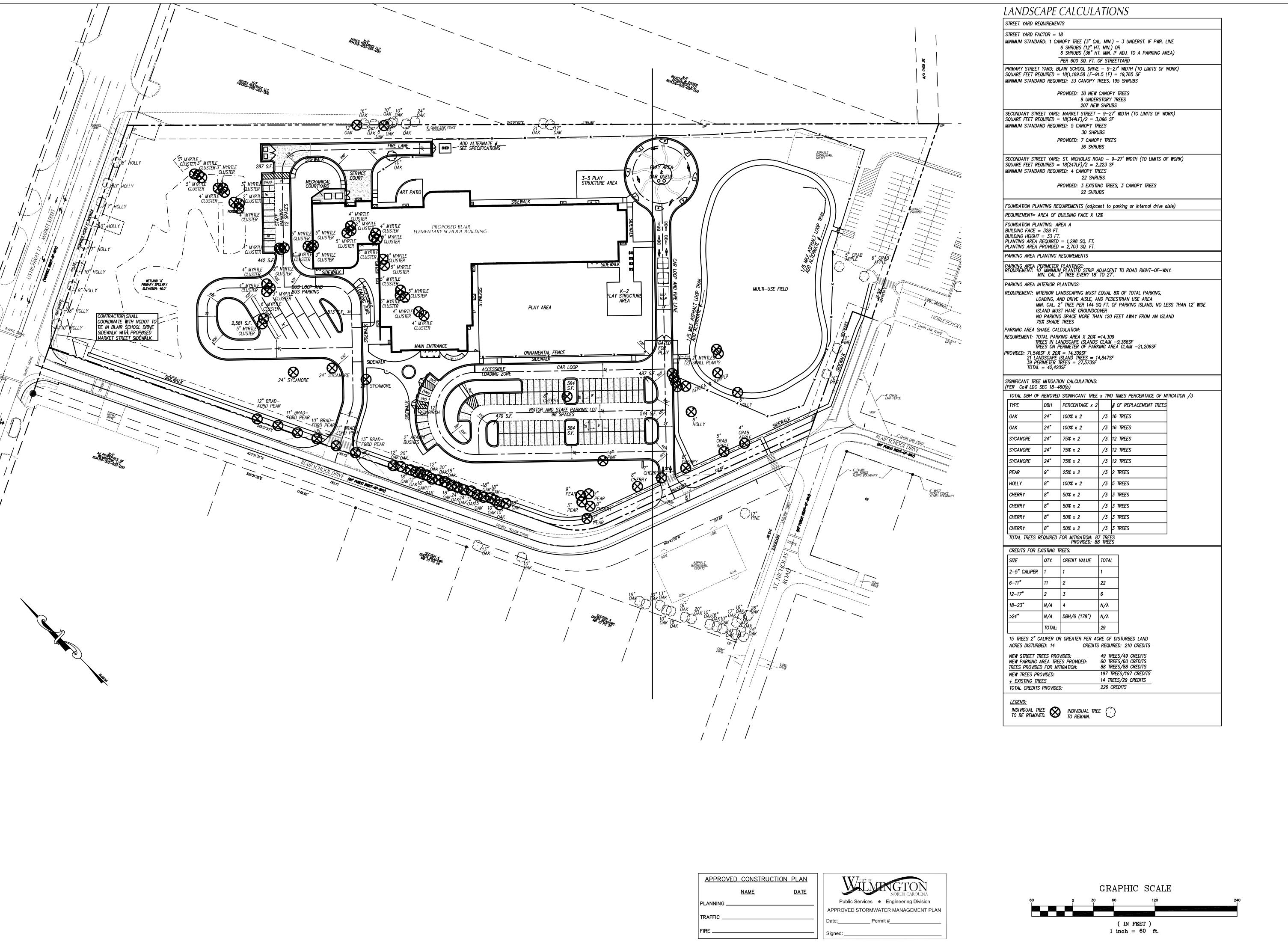
CONT.		4.0' O.C.			I	^	STAR
18" HT./SPR. CONT.		CONT., FULL 4' O.C.				nergy	PARTNER
24" SPR.		5 GAL. CONT., FULL 5 O.C.					
CIES OCCUR. SEE	SHEET			_			
TREE REMOVAL	CHART	TREE REMOVAL	. CHART	(CONT'D.)			
SIZE/TYPE	QTY.	SIZE/TYPE	QTY.				
12" BIRCH	1	11" OAK	1				
10" BRAD PEAR		12" OAK	5		ID	DATE	DESCRIPTION
11" BRAD PEAR	2	15" OAK	1				
12" BRAD PEAR	1	18" OAK	6			SUE DA	ΓE: 10/03/2016
13" BRAD PEAR	1	20" 04K	2				

PROJECT #: SFLA - 01504.000 CLH - 15-143 CAD TECH.: YLA CAD TECH.:

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LANDSCAPE PLAN



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MENTARY SCHOOLS

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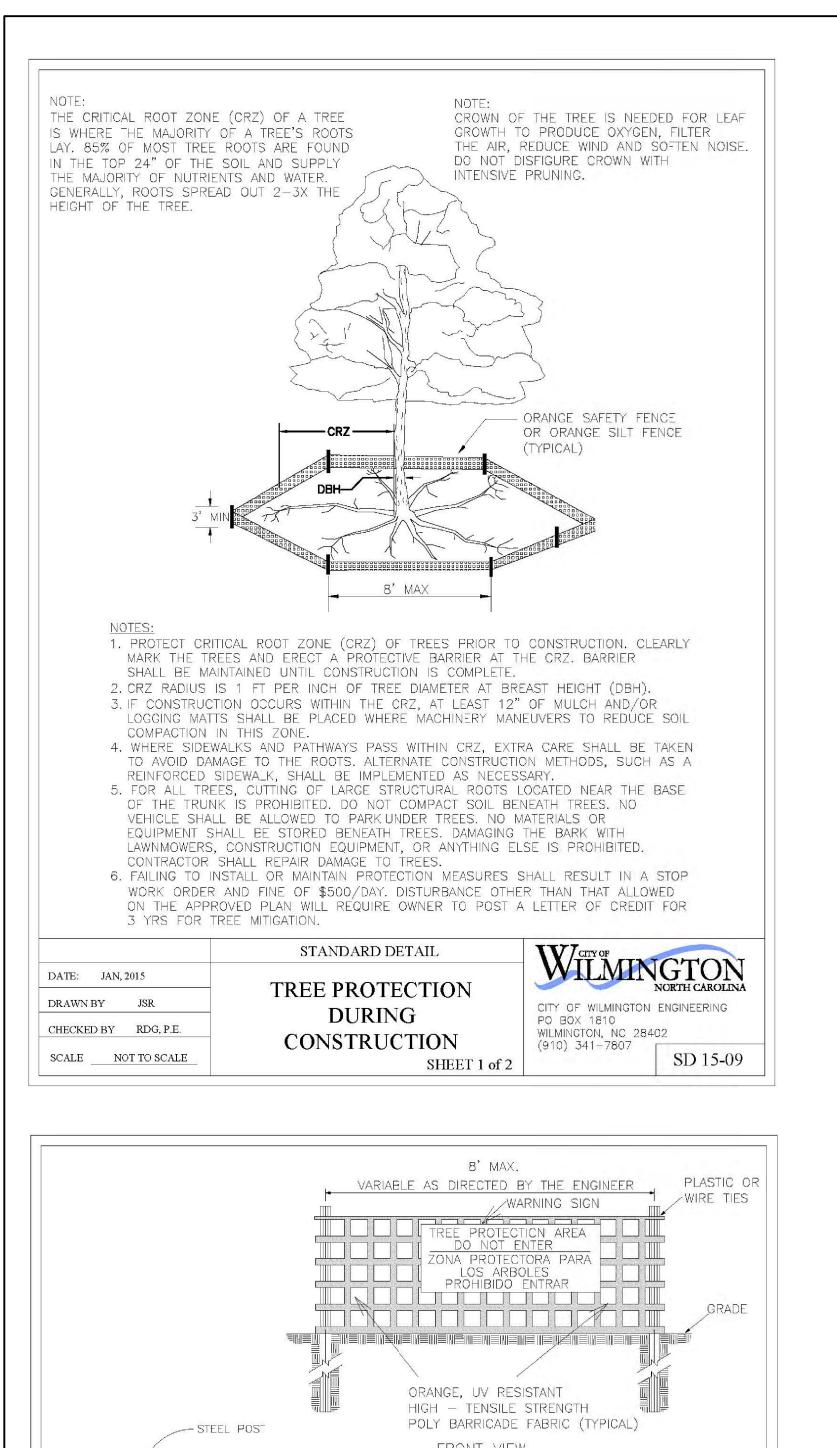
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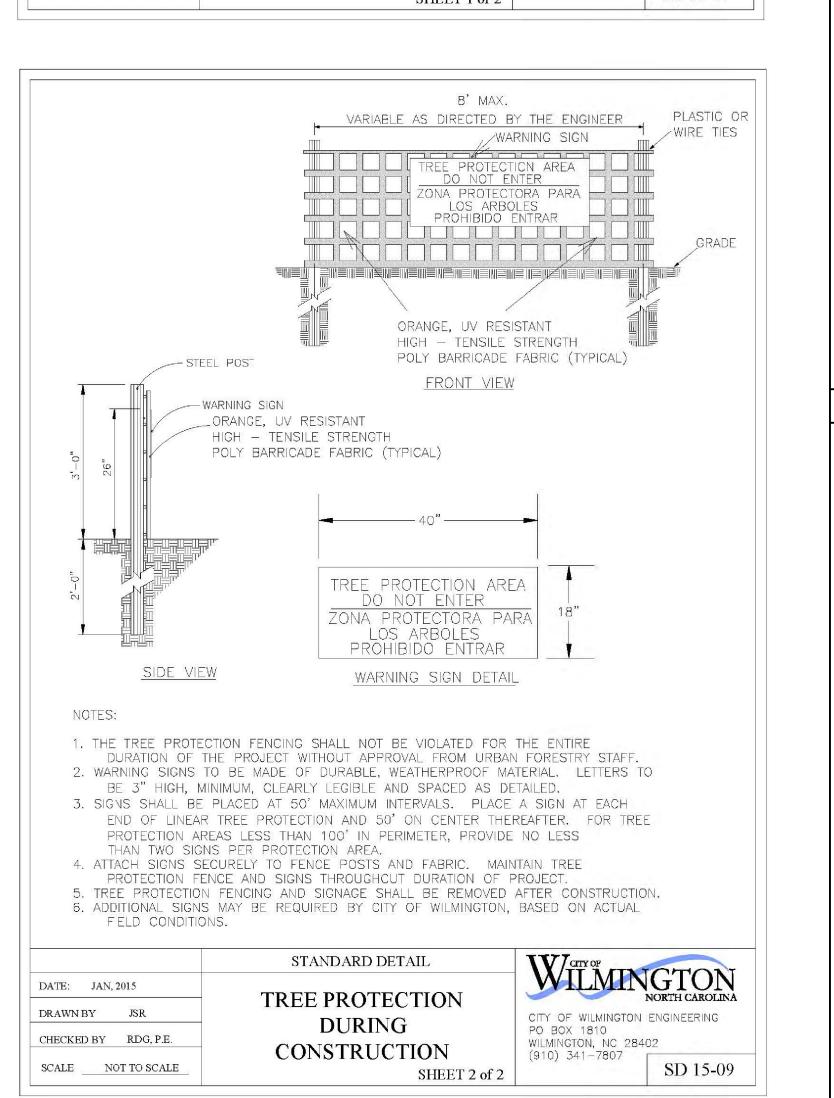
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PROJECT #: SFLA - 01504.000
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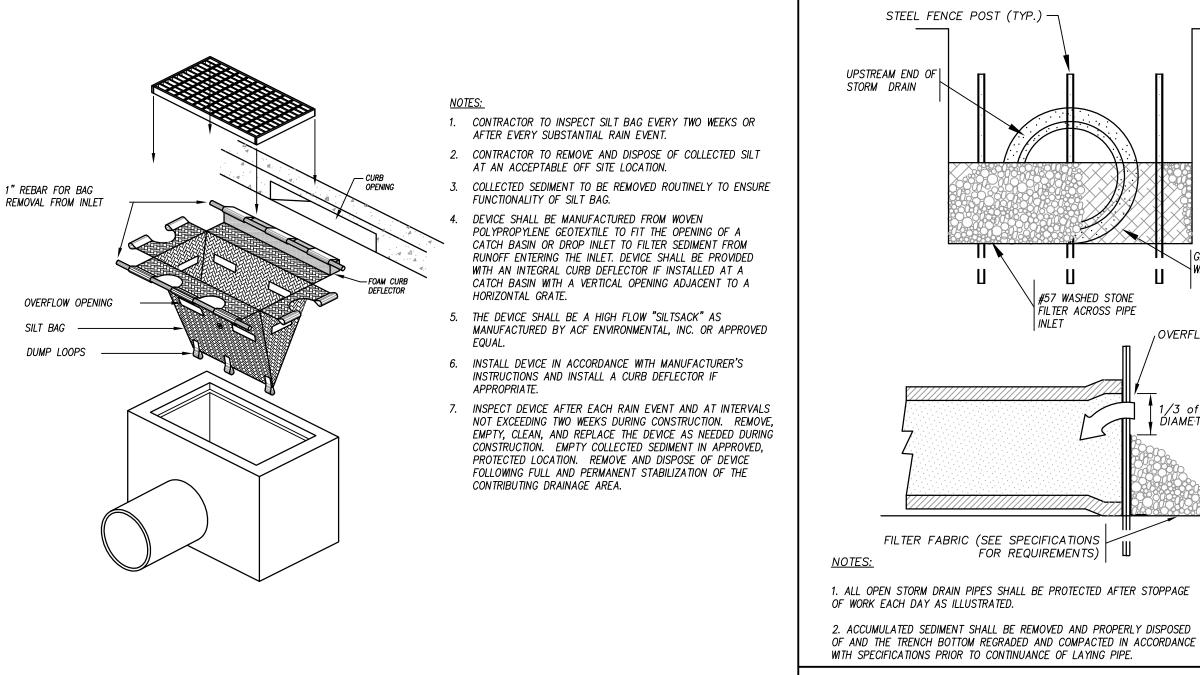
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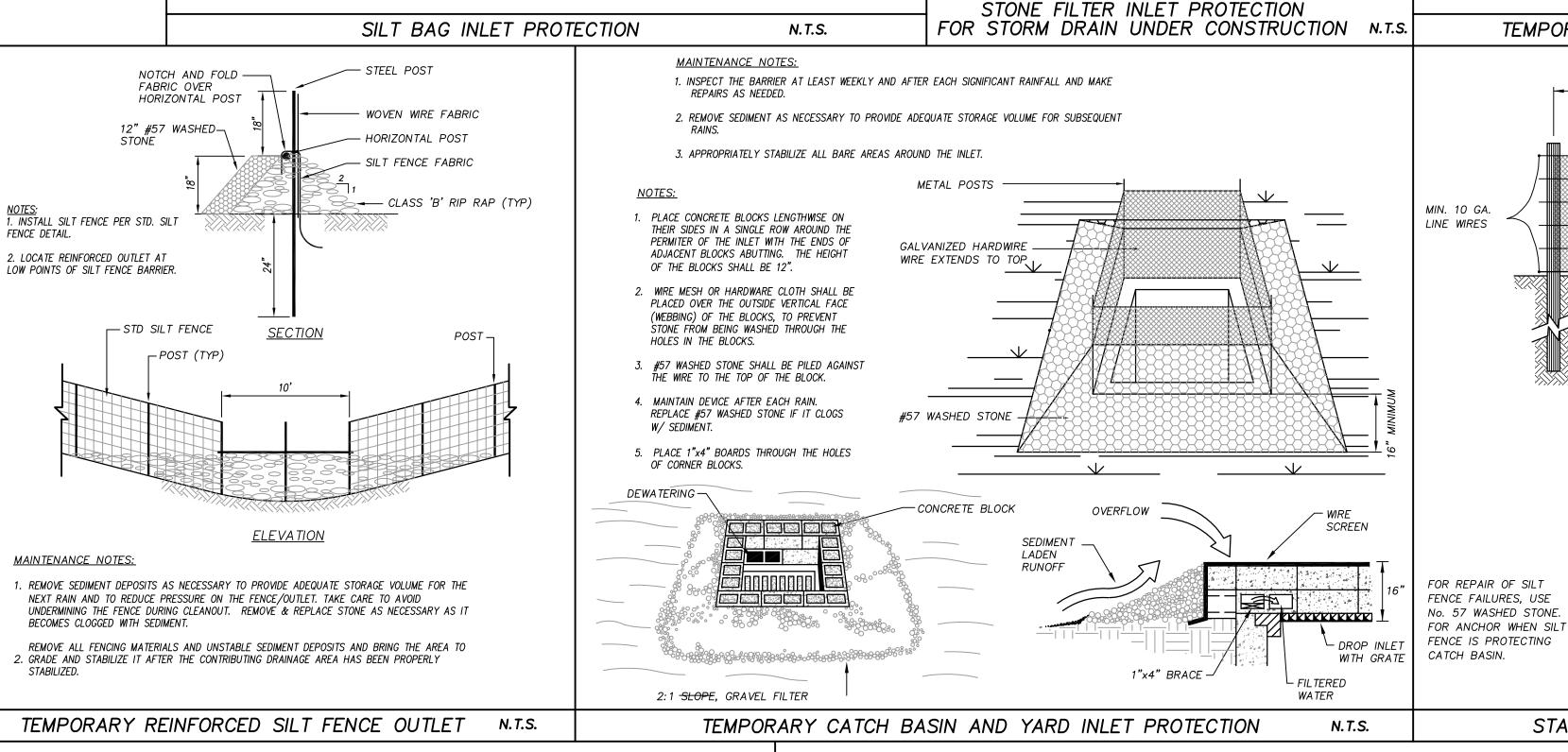
OVERALL TREE DEMO SURVEY

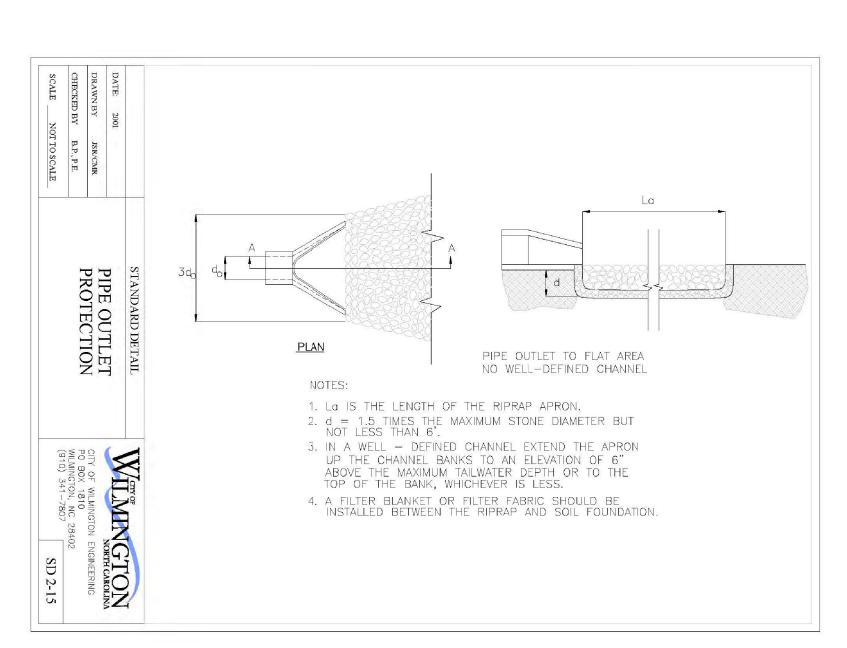


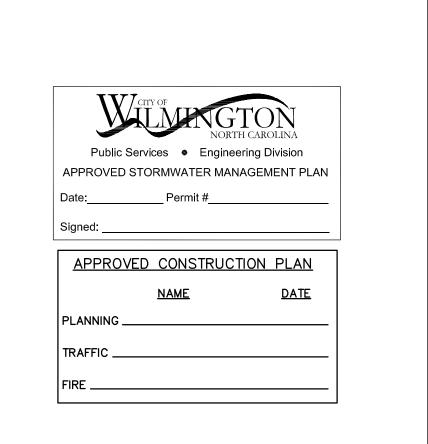


CITY OF WILMINGTON TREE PROTECTION FENCE



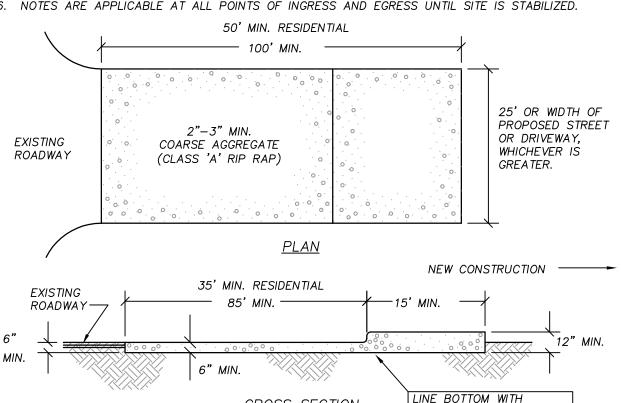






1. ENTRANCE(S) SHALL BE LOCATED TO PROVIDE MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES. 2. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED. 4. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.

High Performance Facilities 3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY. CONTRACTOR SHALL MAINTAIN AS 5. FREQUENT CHECKS OF THE ENTRANCE(S) AND TIMELY MAINTENANCE SHALL BE PROVIDED. 6. NOTES ARE APPLICABLE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED. 50' MIN. RESIDENTIAL 25' OR WIDTH OF



MAINTENANCE NOTES:

|GALVANIZED HARD

WIRE FABRIC

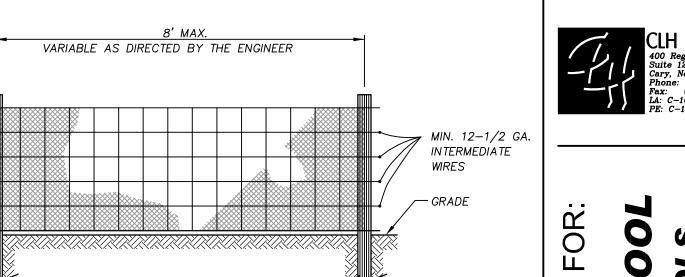
DIAMETER

1. MAINTAIN THE GRAVEL PAD IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE.

2. MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE.

3. IMMEDIATELY REMOVE ALL OBJECTIONABLE MATERIALS SPILLED, WASHED OR TRACKED ONTO PUBLE

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE N.T.S.



WOVEN GEOTEXTILE FABRIC

FRONT VIEW – STEEL POST - WOVEN WIRE USE SILT FENCE ONLY WHEN - SILT FENCE FABRIC DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW. 6" MIN. COVER OVER SKIRT * - ANCHOR SKIRT AS DIRECTED BY ENGINEER * <u>SIDE VIEW</u>

STANDARD TEMPORARY SILT FENCE

N.T.S.

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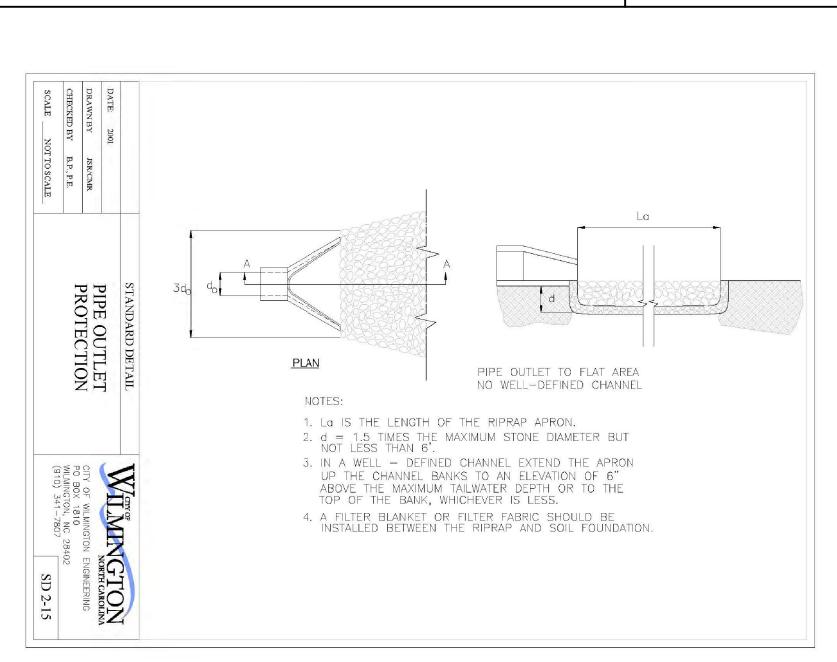
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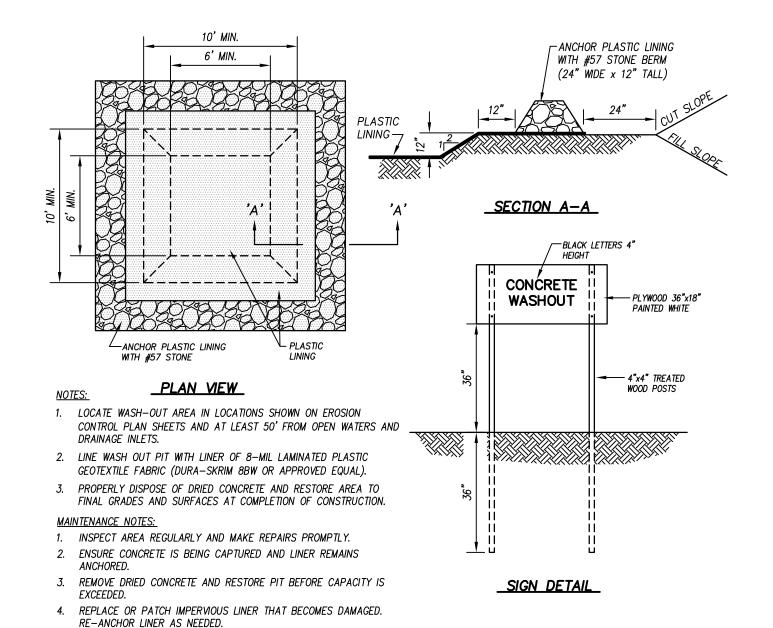
ENERGY PARTNER ID DATE DESCRIPTION ISSUE DATE: 10/03/2016 PROJECT #: SFLA - 01504.000 CAD TECH.: CAD TECH.: CHECKED BY: KAL/ZRP

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SITE/CIVIL **DETAILS**



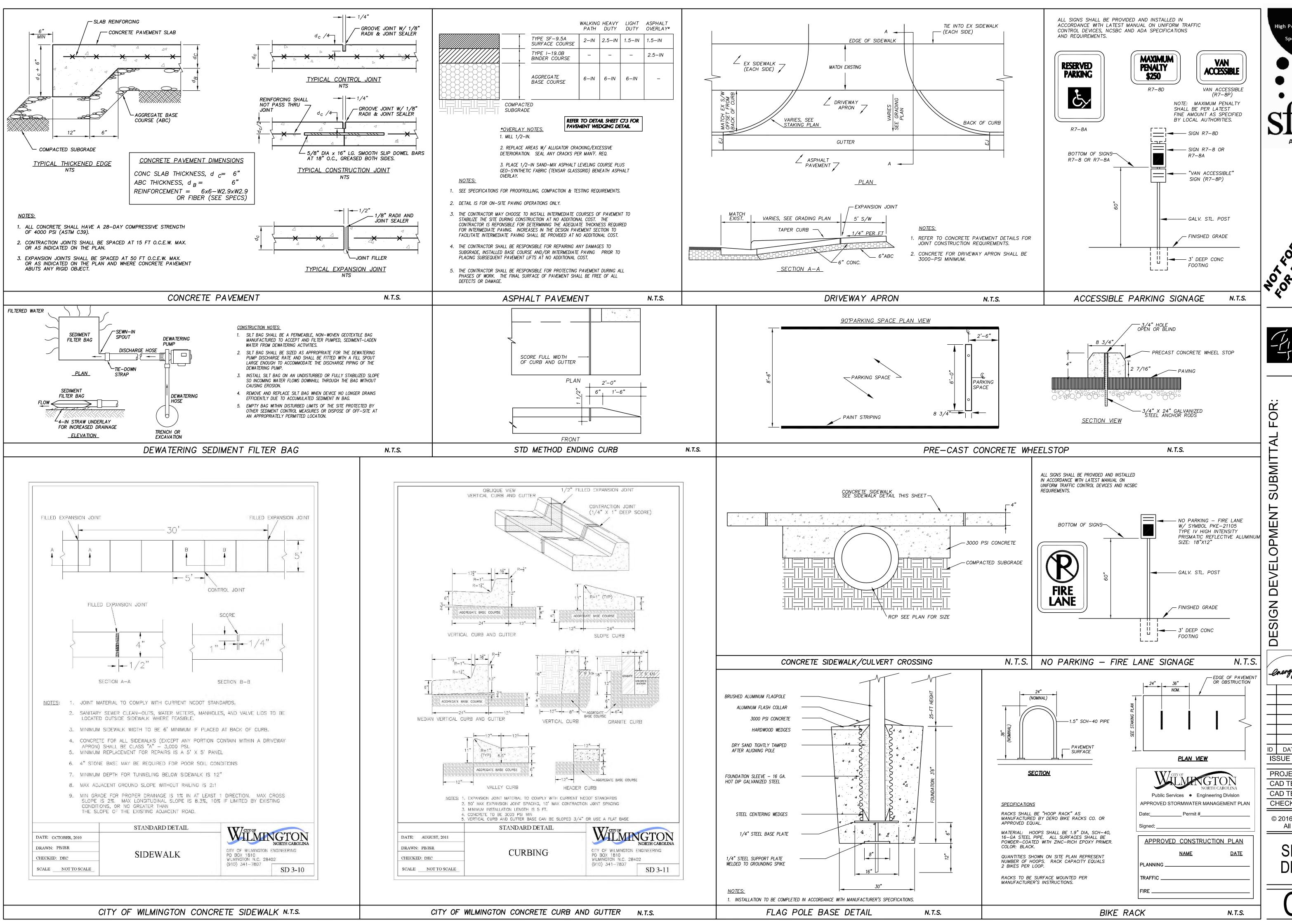


N.T.S.

CONCRETE WASHOUT AREA

N.T.S.

CITY OF WILMINGTON OUTLET PROTECTION







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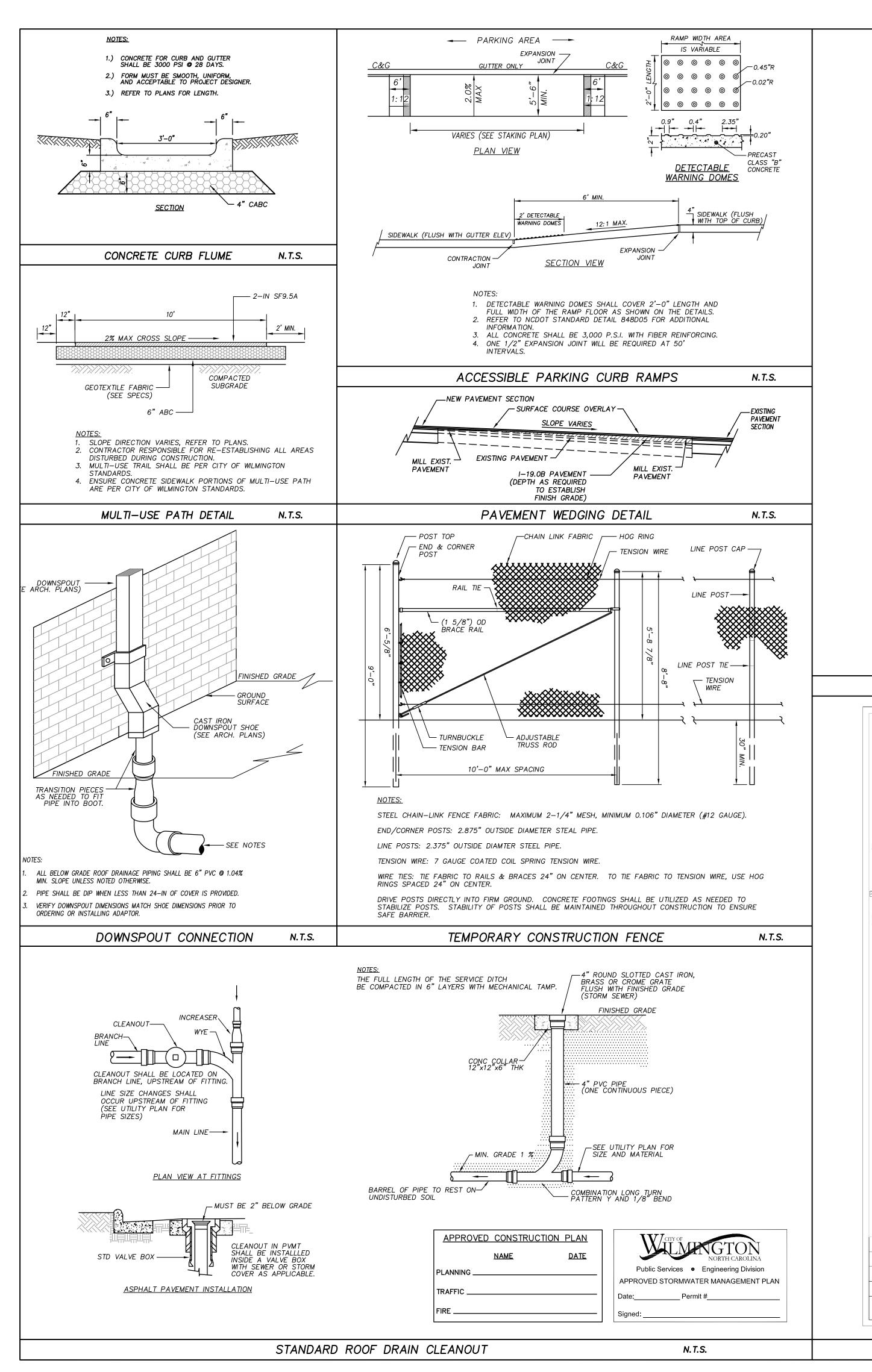
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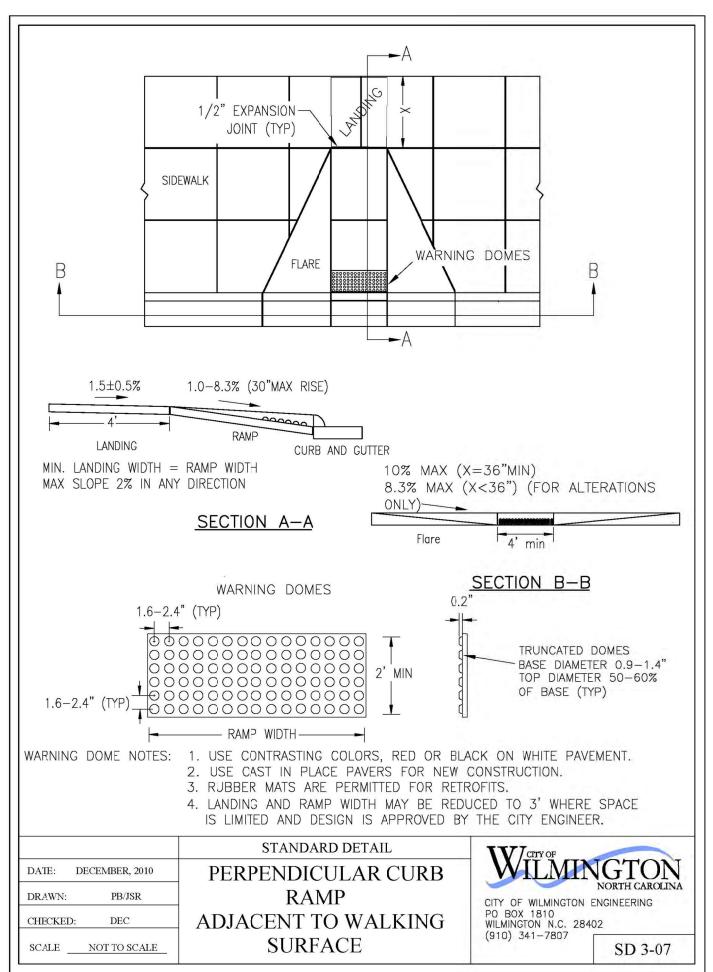
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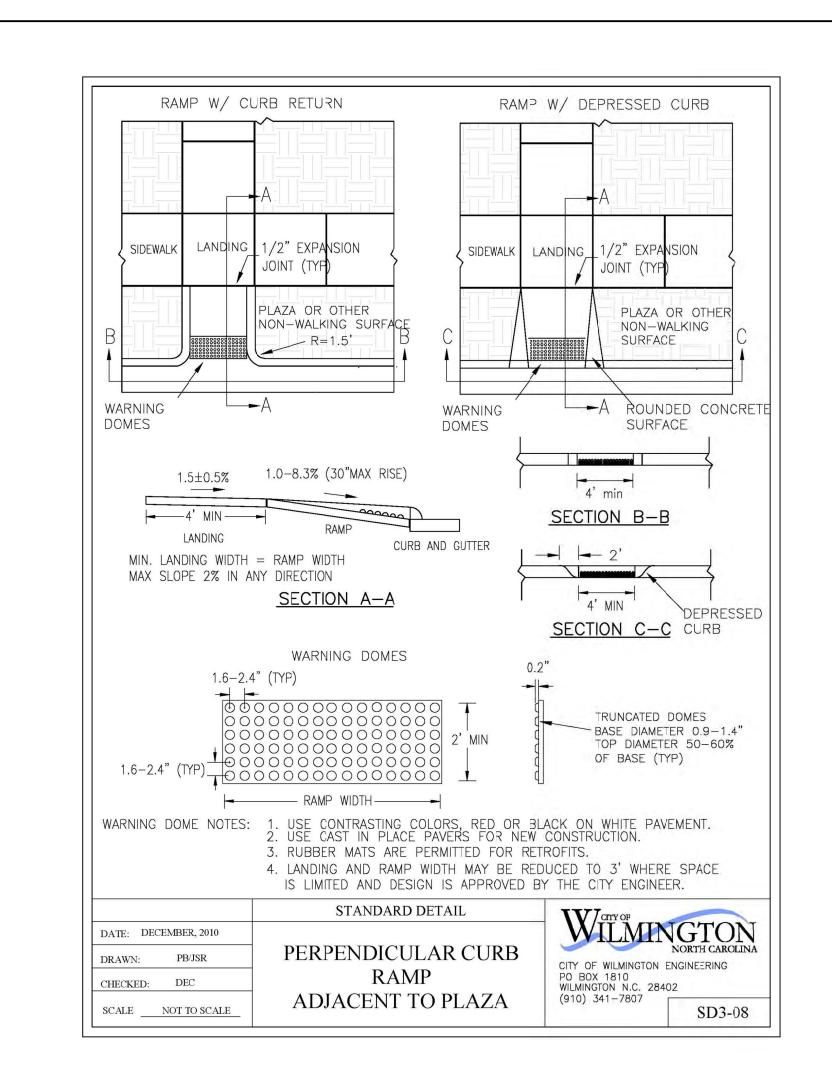
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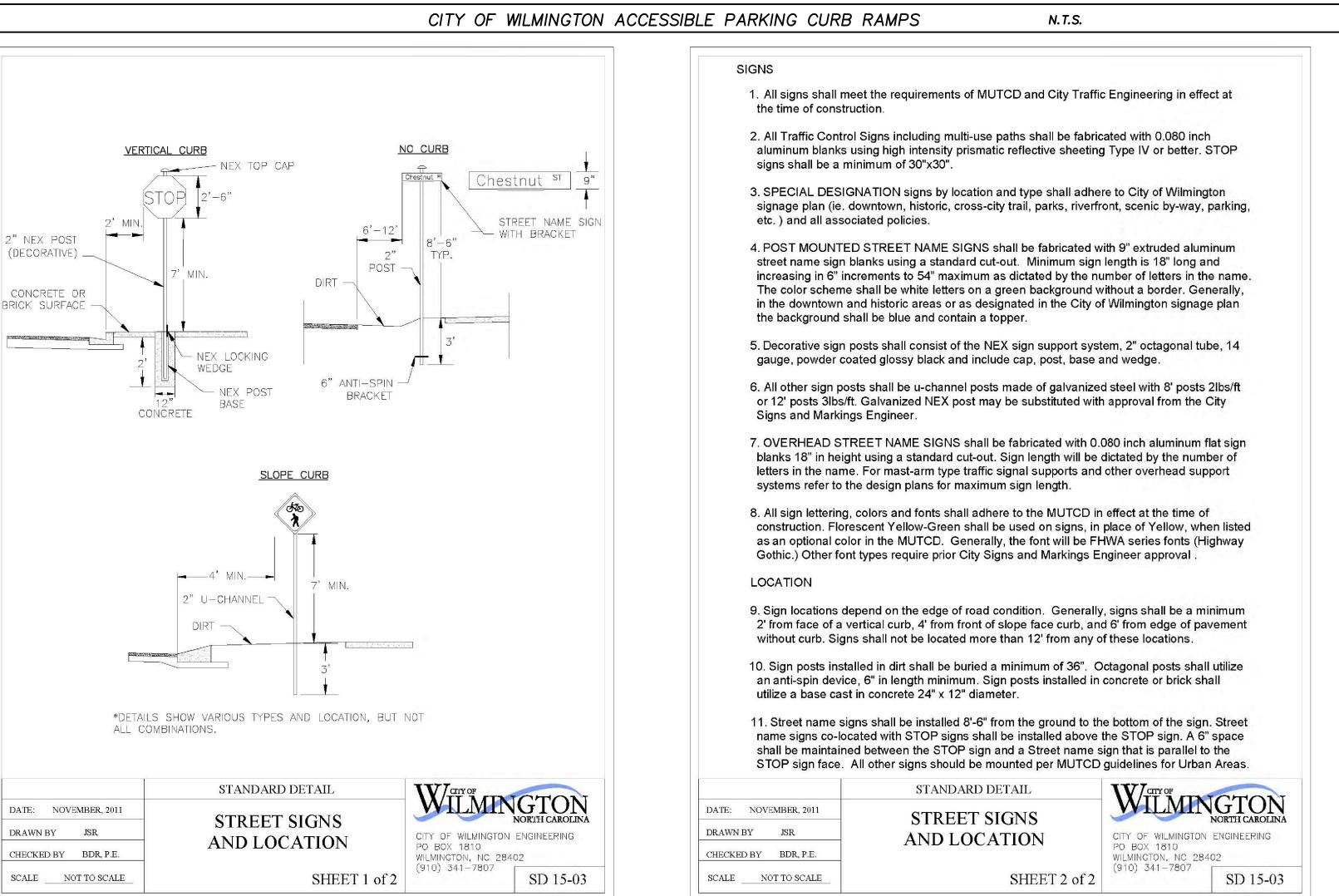
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SITE/CIVIL **DETAILS**













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DEVELOPMENT

SIGN DE STAR **PARTNER**

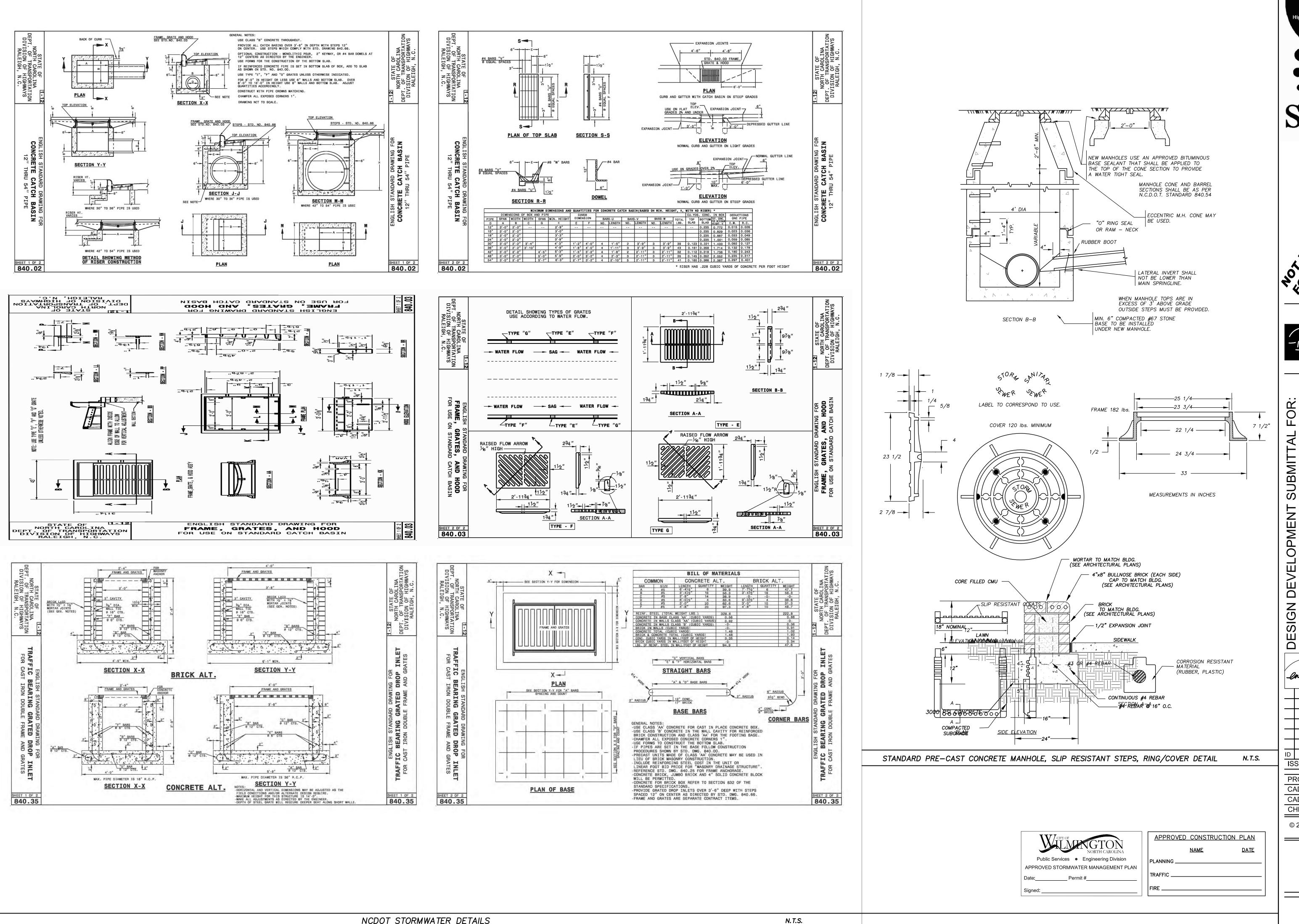
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SITE/CIVIL

N.T.S.









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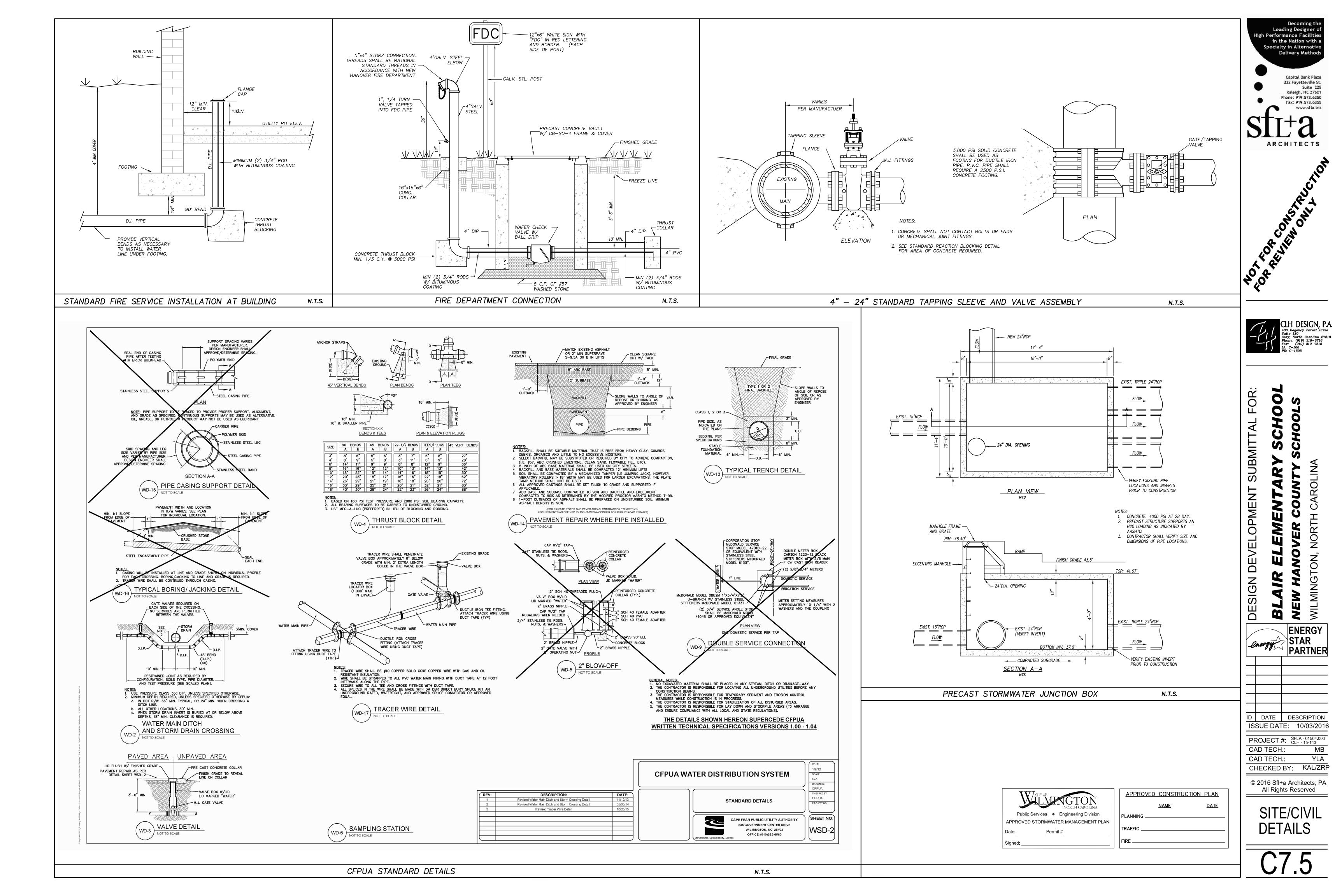
ENERGY STAR PARTNER

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> SITE/CIVIL **DETAILS**



- 1. No plantings over thirty (30) inches in height allowed in vision clearance.
- 2. Protection from vehicular traffic provided around all landscaping with a minimum height of six (6) inches.
- 3. Owner is responsible for maintenance to ensure plant material lives and prospers.
- 4. Planting plans shall be approved by Landscape Designer prior to installation.
- 5. Landscaping shall be required at the ends of all parking
- 6. A low buffer shall be required where parking is within fifty (50) feet of the Right-of-Way.
- 7. Landscaped islands shall be a minimun width of twelve (12) feet (back of curb to back of curb) and a minimum of two hundred and sixteen (216) square feet.
- 8. A minimum of fifteen (15) trees 2 inches or greater in diameter as measured 6 inches above ground per disturbed acre.
- 9. For recommended Plant List see "Landscape" T-10,4,

STANDARD DETAIL DATE: APRIL, 2008 LANDSCAPE NOTES DRAWN BY JSR CITY OF WILMINGTON ENGINEERING PO BOX 1810 CHECKED BY B.P., P.E. WILMINGTON, NC 28402 (910) 341-7807 SCALE NOT TO SCALE SD 15-14

CITY OF WILMINGTON LANDSCAPE NOTES

N.T.S.

<u>PLANTING RATE</u> APR 15 - JULY 15 ** HULLED SUNSTAR OR RIVIERA BERMUDA 85 LBS/ACRE *

JULY 15 - AUG 15 SUNSTAR OR RIVIERA BERMUDA SPRIGS 5 BUSHELS/1,000 SF

AUG 15 - APR 15 TEMPORARY SEEDING APPLIES**

* OR AS REQUIRED TO ACHIEVE 95% COVERAGE AS DETERMINED ON A PER SQUARE YARD BASIS PRIOR TO SUBSTANTIAL ** WHEN SEEDING MUST TAKE PLACE OUT-OF- SEASON FOR PERMANENT GRASS, APPROPRIATE TEMPORARY SEEDING SHALL BE DONE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERMANENT SEEDING AS SPECIFIED IN SEASON AT NO ADDITIONAL COST TO OWNER.

<u>LAWN MAINTENANCE NOTES:</u>

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE UNTIL FINAL COMPLETION.
- 2. LAWN MUST BE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION REVIEW TO BE ACCEPTED.
- 3. IF NOT AT 95%, SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE FOLLOWING GROWING SEASON.

SUBSTANTIAL COMPLETION (GRASS):

CEASED DURING ANY PHASE OF WORK.

CONTRACTOR SHALL BE RESPONSIBLE FOR LAWN MAINTENANCE AND WATERING UNTIL SUBSTANTIAL COMPLETION. LAWN/TURF SHALL BE CONSIDERED SUBSTANTIALLY COMPLETE WHEN GRASS ESTABLISHMENT IS AT A MIN. 95% COVERAGE AND THE SURFACE COMPLIES WITH THE SLOPE, SMOOTHNESS AND OTHER SPECIFIED TOLERANCES. IF THE MINIMUM REQUIREMENTS ARE NOT MET, SUBSTANTIAL COMPLETION WILL BE DELAYED UNTIL THE MINIMUM REQUIREMENTS ARE MET (POSSIBLY INTO THE FOLLOWING GROWING SEASON). THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR WATERING AND MAINTENANCE OF THE GRASS UNTIL SUBSTANTIAL COMPLETION IS REACHED. SEE SPECIFICATIONS FOR FURTHER INFORMATION.

PERMANENT SEEDING SCHEDULE— BERMUDA SEED

PERMANENT OR TEMPORARY GROUND COVER SHALL BE PROVIDED OVER ALL DISTURBED AREAS OF THE SITE AS SOON AS POSSIBLE, HOWEVER, NO LATER 30 DAYS AFTER CONSTRUCTION ACTIVITIES HAVE PERMANENTLY OR TEMPORARILY

TEMPORARY OR PERMANENT GROUND COVER SHALL BE PROVIDED ON ALL SLOPES WITHIN 15 WORKING DAYS OR 30 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITIES PERMANENTLY OR TEMPORARILY CEASED.

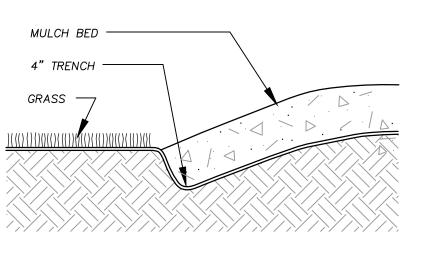
<u>TYPE</u> <u>PLANTING RATE</u> AUG 15 - FEB 1 TALL FESCUE AND 70 LBS/ACRE WINTER RYE (GRAIN) *25 LBS/ACRE* APR 1 - AUG 15 TALL FESCUE AND 120 LBS/ACRE GERMAN MILLET *** 25 LBS/ACRE OR SUDANGRASS *30 LBS/ACRE*

(SMALL-STEMMED VAR.) ***

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.

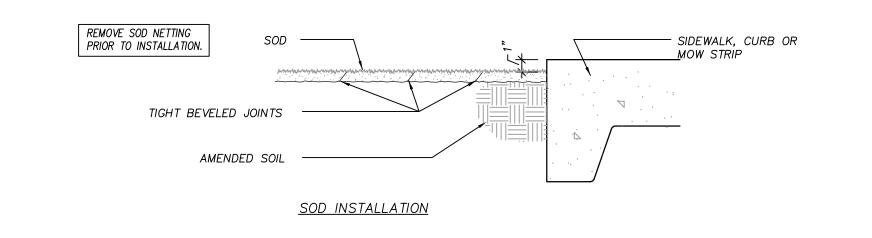
TEMPORARY SEEDING SCHEDULE

***TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING.



TO BE APPLIED TO ALL PLANTING BEDS

GROUND COVER PLANTING DETAIL



SOD INSTALLATION DETAIL

- 1. LOCATE ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PLANT MATERIAL. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THOSE SHOWN ON THE PLAN.
- 2. VERIFICATION OF TOTAL QUANTITIES AS SHOWN ON THE PLANT LIST SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND THE TOTAL QUANTITIES SHALL BE AS SHOWN ON THE PLAN.
- 3. CONTACT THE LANDSCAPE ARCHITECT FOR INSPECTION 48 HOURS IN ADVANCE OF THE SCHEDULED SITE VISIT AND AT THE FOLLOWING INTERVALS:
- REVIEW OF GRADING PRIOR TO PLANT AND LAWN INSTALLATION - REVIEW OF PLANT MATERIAL PRIOR TO INSTALLATION.
- ONE SUBSTANTIAL COMPLETION MEETING FOR PLANT INSTALLATION. - ONE FINAL INSPECTION FOR ALL SEEDING/PLANTING OPERATIONS.
- 4. ALL PLANT MATERIAL SHALL CONFORM WITH THE STANDARDS SET FORTH BY THE AMERICAN ASSOCIATION OF NURSERYMEN AND THE WRITTEN SPECIFICATIONS.
- 5. ESTABLISH POSITIVE DRAINAGE IN ALL PLANTING BEDS AND AWAY FROM BUILDING.
- 6. APPLY PRE-EMERGENT HERBICIDE TO ALL NEW PLANTING BEDS AT MANUFACTURER'S RECOMMENDED RATE PRIOR TO INSTALLATION OF PLANT MATERIAL.
- 7. DO NOT INSTALL PLANT MATERIAL IN IMPERVIOUS SOILS (i.e. HOLES WHICH WHEN FILLED WITH WATER, DO NOT COMPLETELY DRAIN WITHIN TWO HOURS).
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ALL PLANTS AND LAWN AREAS AT HIS COST FROM HIS OWN WATER SOURCE INCLUDING DURING PERIODS OF DROUGHT UNTIL FINAL COMPLETION. ANY WATERING OR MAINTENANCE REQUIRED AFTER FINAL
- 9. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL EQUIPMENT & SUBCONTRACTORS AWAY FROM SEEDED AREAS. IF DAMAGE OCCURS, THROUGH NO FAULT OF THE OWNER, AREAS SHALL BE REGRADED AND RESEEDED IMMEDIATELY AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL WATER AND MAINTAIN THOSE AREAS UNTIL THEY ARE AT 95% COVERAGE AT SUBSTANTIAL COMPLETION.
- 10. SUBSTITUTIONS OF PLANT MATERIAL SHALL ONLY BE ACCEPTED 60 DAYS PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS. SUBSTITUTION REQUESTS MUST BE IN WRITING AND WILL ONLY BE ACCEPTED FOR LACK OF AVAILABILITY REASONS WHICH CAN BE SUBSTANTIATED OR FOR SUPERIOR STOCK SUBSTITUTIONS.

- 11. GENERAL LAWN AREAS SHALL BE SEEDED WITH SUNSTAR/RIVIERA BERMUDAGRASS OR APPROVED EQUAL.
- 12. LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT TO REVIEW GRADING ONE WEEK PRIOR TO SEEDING, IF THE LANDSCAPE CONTRACTOR AND LANDSCAPE ARCHITECT FIND GRADING UNACCEPTABLE FOR FINAL SEEDING, LANDSCAPE CONTRACTOR SHALL BRING IT TO THE ATTENTION OF THE GENERAL CONTRACTOR. LANDSCAPE CONTRACTOR SHALL NOT PROCEED WITHOUT APPROVAL BY LANDSCAPE ARCHITECT.

LANDSCAPE NOTES

1. CHISEL ALL CUT GRADED OR COMPACTED AREAS TO A MINIMUM DEPTH OF 8".

COMPLETION SHALL BE AT OWNER'S COST.

- 2. DISC ALL AREAS TO RECEIVE GRASS TO A MINIMUM OF 8 INCHES, MIX AND AMEND WITH 3 INCHES OF WELL SCREENED TOPSOIL. ON-SITE TOPSOIL MAY BE USED IN PLACE OF IMPORTED TOPSOIL, IF WELL-SCREENED AND DRY PRIOR TO APPLICATION IN ACCORDANCE WITH
- 3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
- 4. APPLY AGRICULTURAL LIME, FERTILIZER, AND PHOSPHATE UNIFORMLY AS PER SPECIFICATIONS AND MIX WELL WITH SOIL. 5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM, REASONABLY UNIFORM SEEDBED IS PREPARED TO A 6 INCHES DEPTH.
- 6. SEED AT RATE SPECIFIED OR AS NEEDED TO ACHIEVE AND MAINTAIN A THICK HEALTHY GROUND COVERAGE.
- 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. BEGIN THOROUGH WATERING OF GRASSED AREAS IMMEDIATELY UPON INSTALLATION. DO NOT ALLOW GRASSED AREAS TO BECOME EXCESSIVELY DRY.
- 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS AS NEEDED. 9. IF CONFLICTS OCCUR BETWEEN WRITTEN SPECIFICATIONS AND THE DRAWINGS, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

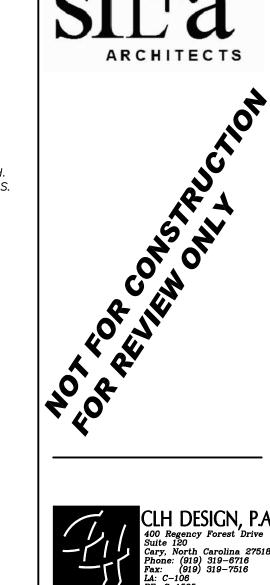
SEEDBED PREPARATION

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY A MINIMUM 3,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND A MINIMUM 500 LB/ACRE 10-10-10 FERTILIZER, AS NEEDED TO ESTABLISH 95% COVERAGE (AS DETERMINED ON A PER SQUARE YARD BASIS) PRIOR TO SUBSTANTIAL COMPLETION. CONTRACTOR TO SUBMIT A COPY OF ALL SOIL REPORTS TO OWNER UPON RECEIPT.

LIME & FERTILIZATION SCHEDULE

- 1. DURING ALL PHASES OF CONSTRUCTION, GROUNDCOVER ON EXPOSED SLOPES SHALL BE PROVIDED WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING.
- 2. FINAL PERMANENT GROUNDCOVER FOR ALL DISTURBED AREAS SHALL BE PROVIDED ON ALL DISTURBED AREAS WITHIN 14 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
- 3. USE EXCELSIOR MATTING OR OTHER APPROVED CHANNEL LINING MATERIAL TO COVER THE BOTTOM OF
- 4. APPLY 4000 LB/ACRE(2 TONS LB/AC) GRAIN STRAW OVER SEEDED AREAS AND ANCHOR STRAW CRIMPING WITH HAND OR MECHANICAL CRIMPER 8" MAX. SPACING, ASPHALT TACKING OR OTHER APPROVED METHOD. ASPHALT TACKING SHALL BE 400 GAL/ACRE (9 GAL/1000 SF).
- 5. MULCH AND ANCHORING MATERIALS MUST NOT BE ALLOWED TO WASH DOWN SLOPES AND CLOG DRAINAGE

WOVEN BELT SYNTHETIC FABRIC STRAP, GREEN. FLUORESCENT SAFETY FLAGGING STAKE EDGE OF HOLE STAKES IN SOLID GROUND ONLY -**GUYING PLAN** DO NOT PRUNE OR CUT LEADER. SEE SPECIFICATIONS SECTION 2900 FOR DETAILS. ONLY STAKE TREES ON SLOPES 3:1 OR GREATER OR IN HIGH WIND CONDITIONS. ORIENT TREES AS THEY WERE IN THE FIELD. WRAP ONLY TREES SUSCEPTIBLE TO SCORCH. START TREE WRAP, IF REQUIRED, AT SECOND BRANCH. ARBORTAPE OR 3/4" TIE SECURELY AT TOP, BOTTOM, AND AT 2' INTERVALS. WOVEN BELT SYNTHETIC FABRIC STRAP, GREEN. 48" MIN. ABOVE GRADE FLUORESCENT SAFETY FLAGGING TOP OF ROOT BALL AT FINISHED GRADE. REMOVE MULCH IS NOT TO BE -BURLAP AND TWINE FROM IN CONTACT WITH TRUNK 4" MULCH — TOP 1/3 OF ROOT BALL. OF TREE 6" EARTH_ SAUCER GRADE PREPARED & MULCHED PLANT BED OR PREPARED LAWN AREA 2" x 2" STAKE SOIL BACKFILL MIXTURE 24" MIN. — 1 PART GROUND PINE BELOW GRADE BARK TO 6 PARTS SOIL WITH 8-8-8 FERT.MIXED IN AT 1 LB/100 S.F. REMOVE TOP 2/3 OF WIRE BASKET MAKE HOLE 1' WIDER ON WHERE PRESENT. ROOT BALL x 2 ALL SIDES THAN ROOT REMOVE FROM PIT BALL DIAMETER



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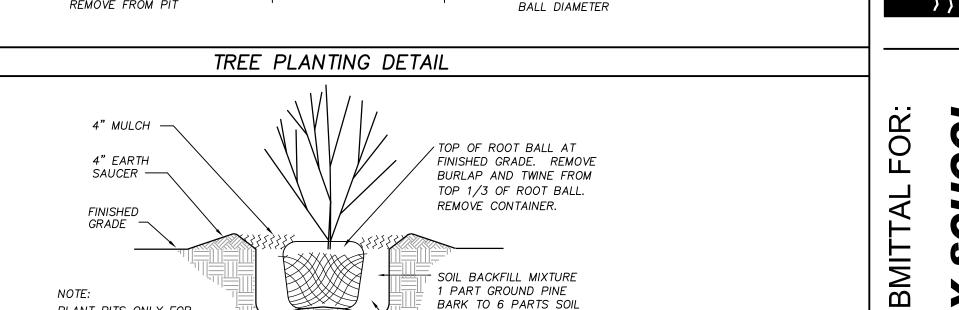
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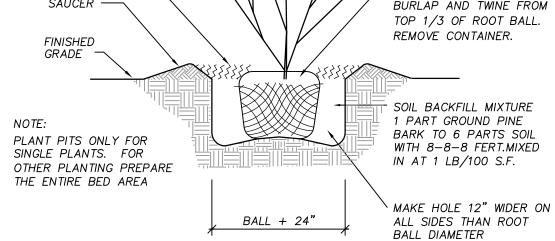
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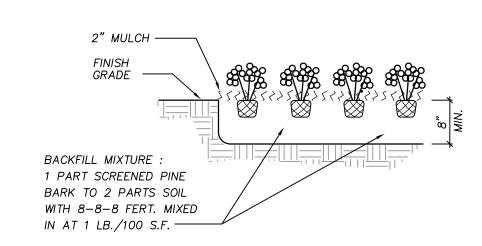
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ARBORTAPE OR 3/4"



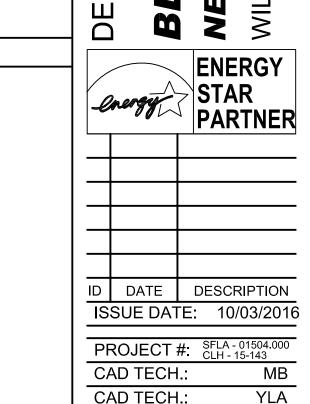
TYPICAL SHRUB PLANTING DETAIL



GROUND COVER PLANTING DETAIL

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN



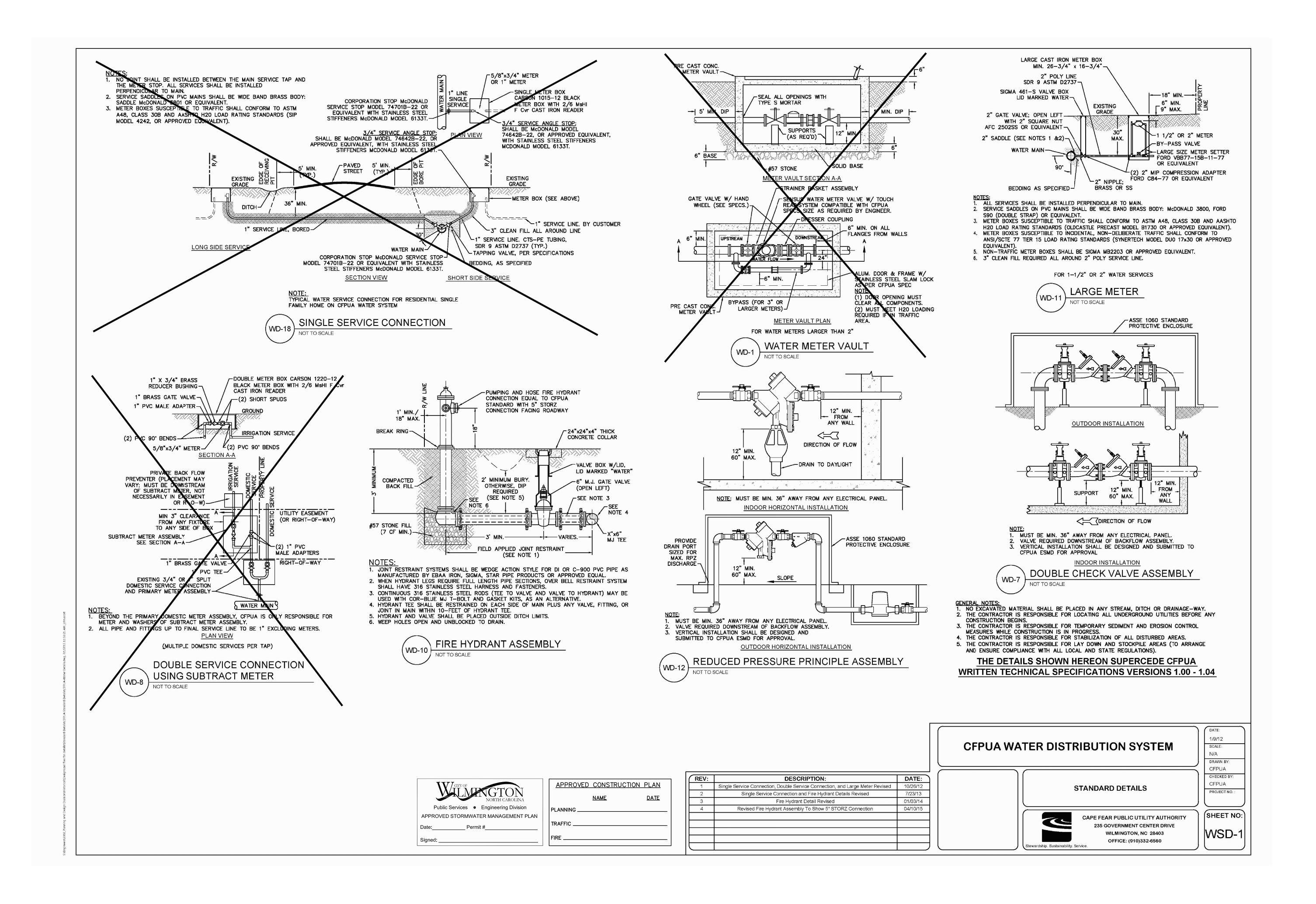
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CHECKED BY: KAL/ZRP © 2016 Sfl+a Architects, PA All Rights Reserved APPROVED CONSTRUCTION PLAN <u>DATE</u>

SURFACE STABILIZATION REQUIREMENTS



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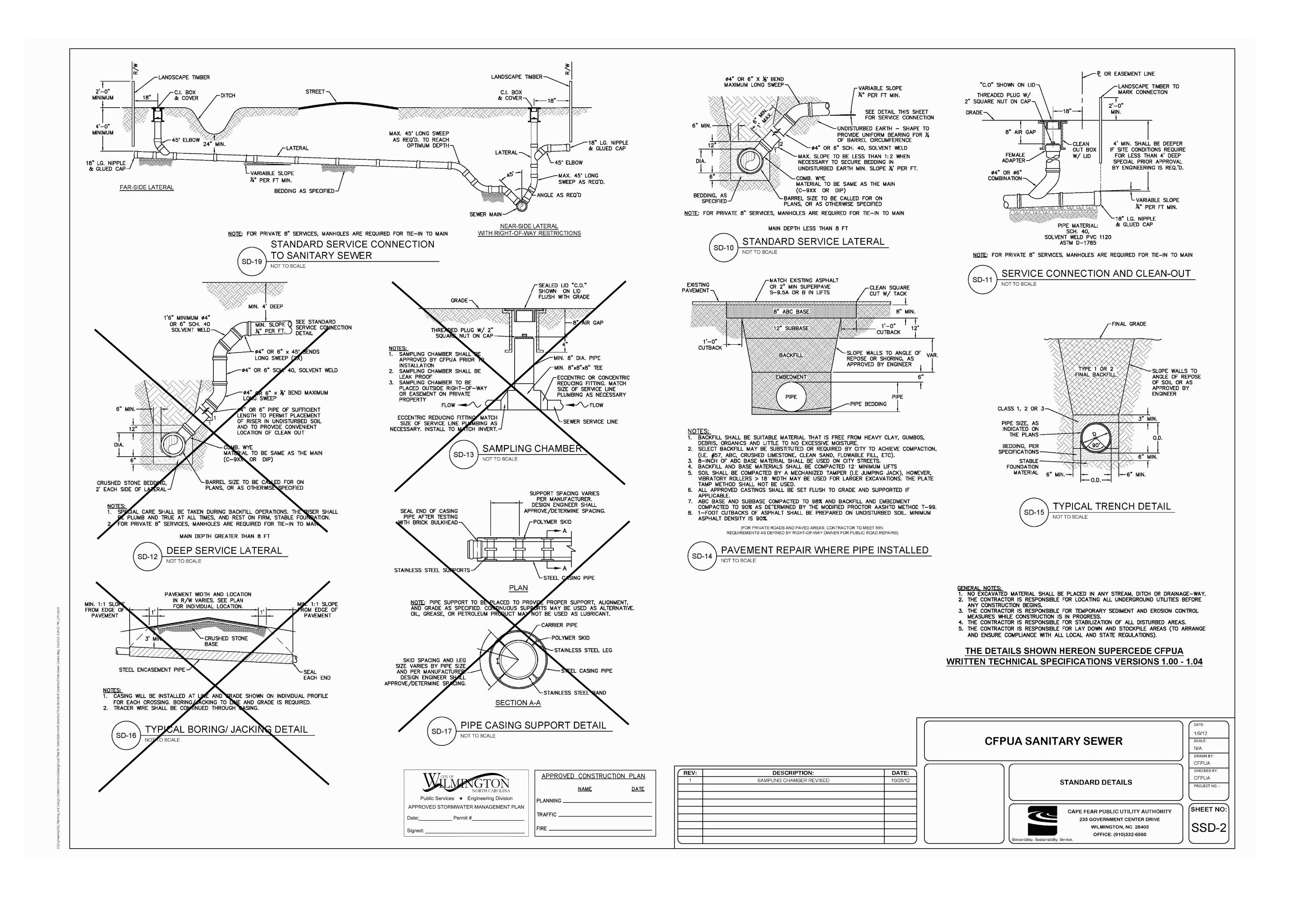
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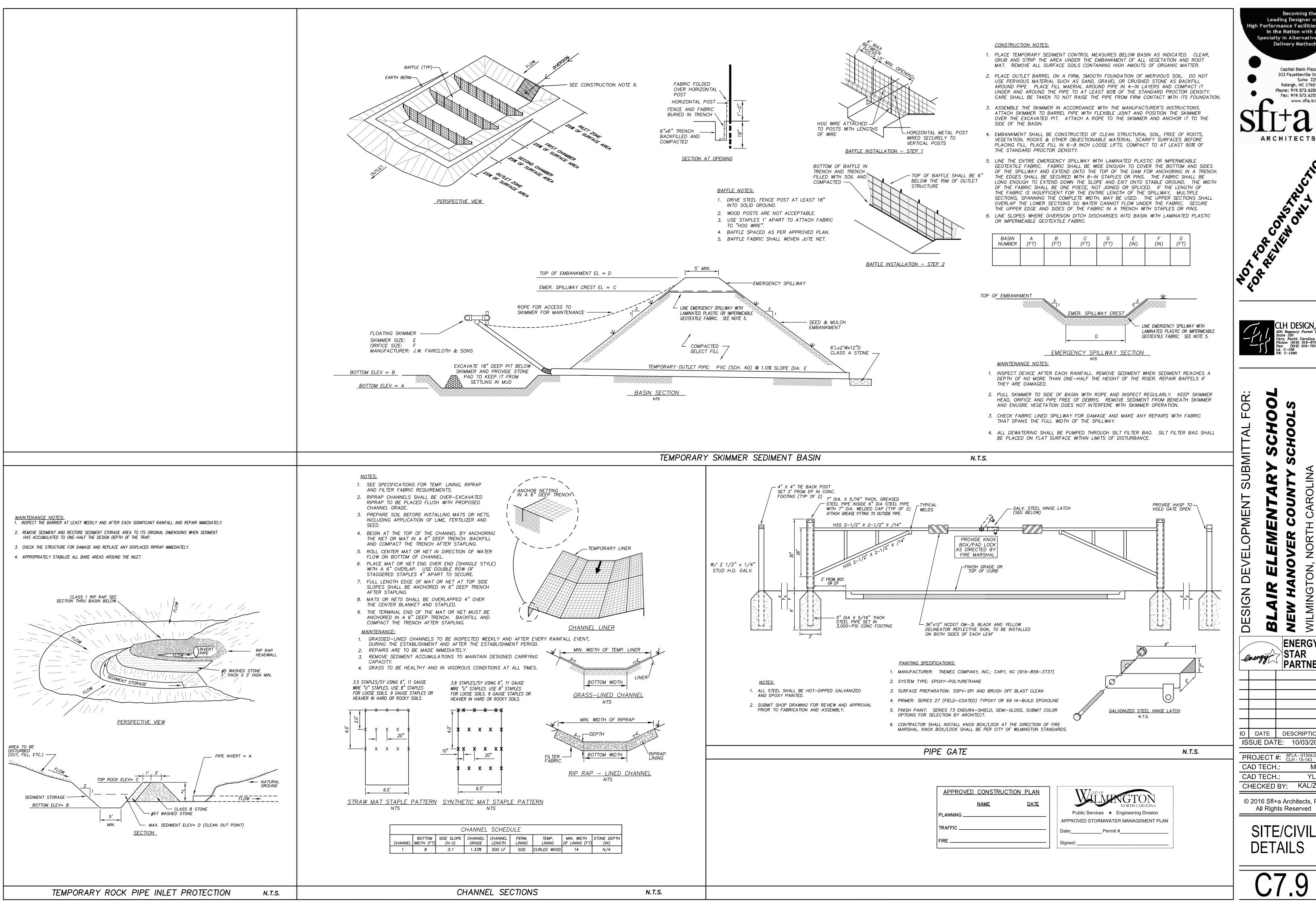
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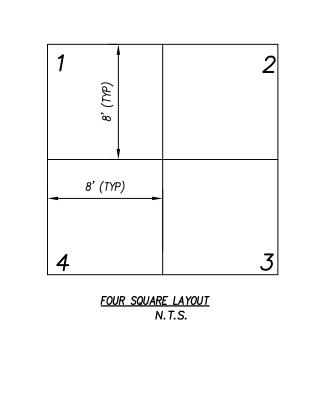


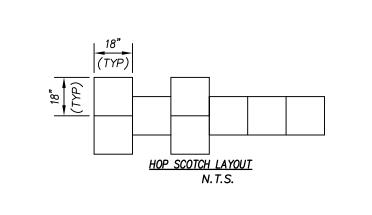
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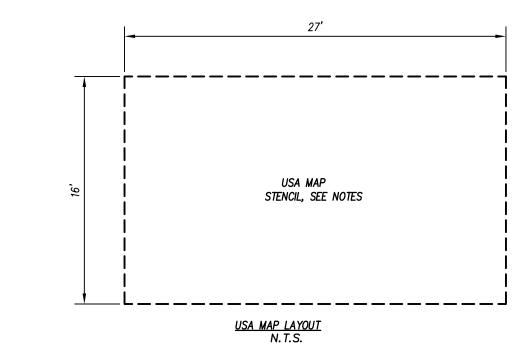
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1. MARKING PAINT SHALL BE ACRYKIC LATEX AND APPROVED BY THE MANUFACTURER FOR APPLICATION ON THE SURFACE COURSE FINISH MATERIAL. TRAFFIC, AESBESTOS, OIL, ALKYD OR SOLVENT-VEHICLE TYPE PAINTS ARE PROHIBITED.

THOROUGHLY CLEAN PAVEMENT PRIOR TO APPLICATION OF COATINGS OR MARKINGS.

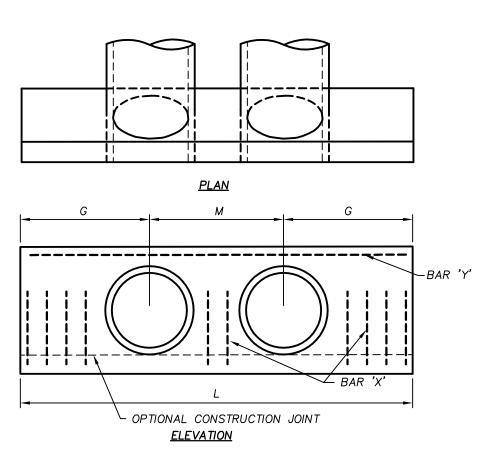
3. STRIPING & NUMBERS SHALL BE 2-INCH WIDE WHITE PAINT WITH CLEAN EDGES.

4. UNITED STATES MAPS STENCIL AVAILABLE FROM WWW.PEACEFULPLAYGROUNDS.COM/STENCIL. USE PAINT COLORS TO MATCH GAME BOARD AND COORDINATE WITH SPINNER, NOT AS SHOWN WITH STENCIL. EACH PAINT COLOR SHALL BE USED TEN TIMES AND SHALL BE EVENLY DISTRIBUTED ACROSS THE MAP. AVOID STATES OF THE SAME COLOR TOUCHING EXCEPT WHERE CORNERS MAY MEET.

5. OCTOPUS AND BOAT COLORS:

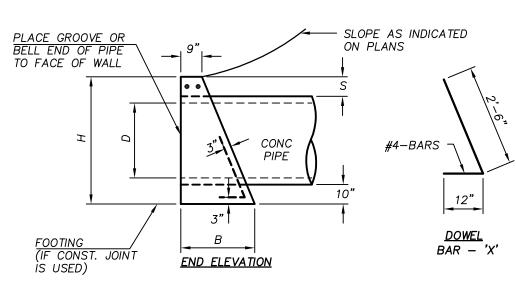
1, 6 = RED 2 & 7 = YELLOW 3 & 8 = GREEN 4 & 9 = BLUE 5 & 10 = ORANGE NUMBERS = WHITE EYES = BLUE MOUTH = RED (1" WIDE)

─14.72′





- ALL CORNERS SHALL BE CHAMFERED 1" OR HAVE A RADIUS OF 1".
- THE CONTRACTOR WILL BE REQUIRED TO PLACE 2 #6 "Y" BARS IN THE TOP OF ALL ENDWALL FOR PIPE CULVERTS 42" AND OVER WITH A MINIMUN OF 3" COVER AND A LENGTH OF 6" LESS THAN ENDWALL LENGTH.
- FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
- 4. WALL THICKNESS (T) SHOWN IS NOT TO BE INTERPRETED TO MEAN THE THICKNESS ACCEPTABLE, BUT IS USED IN COMPUTING ENDWALL QUANTITIES.
- 5. WHEN THE CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM OF THE PIPE, BAR "X" DOWELS SHALL BE PLACED IN THE BASE AS SHOWN ON PLANS. SPACING OF BARS IS TO BE APPROXIMATELY 12" CENTERS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- WHEN THE CONTRACTOR ELECTS TO USE A CONSTRUCTION JOINT AT THE BOTTOM OF THE PIPE AND POUR THE BASE SEPARATELY, THE POUR SHALL BE LEFT ROUGH.
- 7. NCDOT CLASS 'B' CONCRETE SHALL BE USED.



DOWELS IN ENDWALL W/ REINFORCED CONCRETE PIPE										
	PIPE DOUBLE PIPE									
LOC.	DIA.	15"	18"	24"	30"	36"	42" 48"			
	BARS	"X"	"X"	"X"	"X"	"X"	"X"	"Y"	"X"	"Y"
G QTY. 2 2 3 3 4 4 2 5 2										

DIMENSIONS AND CONCRETE QUANTITIES								
USING CONCRETE PIPE								
	COMMON DIMENSIONS DOUBLE PIPE							
D	Н	В	G	s	М	L	YD3	
15"	3'-3"	1'-8"	2'-9"	9 1/2"	2'-2"	7'-8"	1.0	
18"	3'-7"	1'-10"	3'-2"	10"	2'-7"	8'-11"	1.3	
24"	4'-2"	2'-1"	4'-0"	10"	3'-5"	11'-5"	2.0	
<i>30</i> "	5'-0"	2'-6"	4'-7"	11 1/2"	4'-3"	13'-5"	3.1	
<i>36</i> "	5'-8"	2'-8"	5'-6"	12 1/2"	5'-0"	16'-0"	4.5	
42"	6'-2"	3'-1"	6'-4"	11 1/2"	5'-10"	18'-6"	6.0	
48"	6'-9"	3'-5"	7'-2"	11 1/2"	6'-8"	21'-0"	8.0	

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CONCRETE HEADWALL FOR DOUBLE PIPE

PAVED PLAY STRIPING LAYOUT & NOTES

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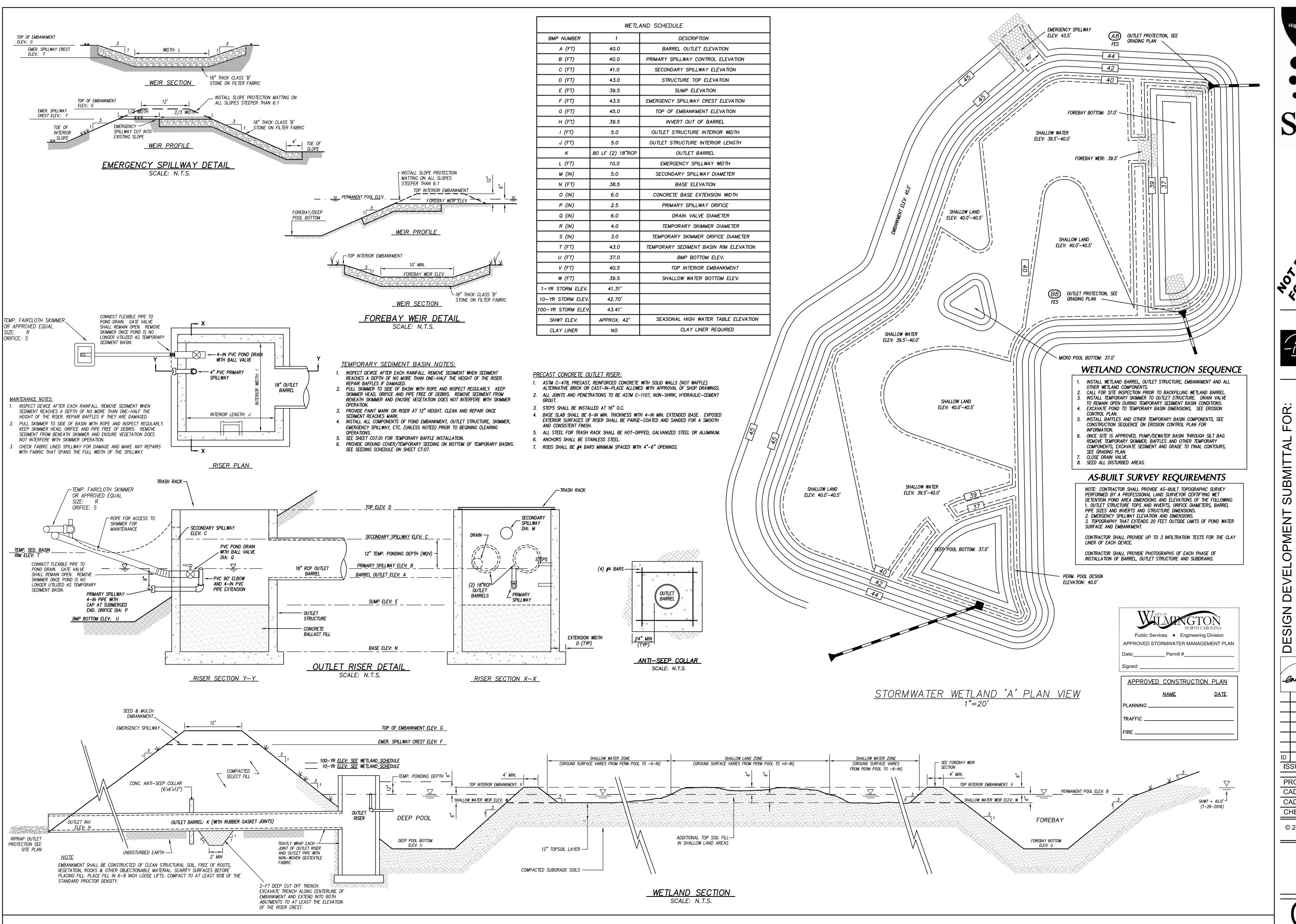
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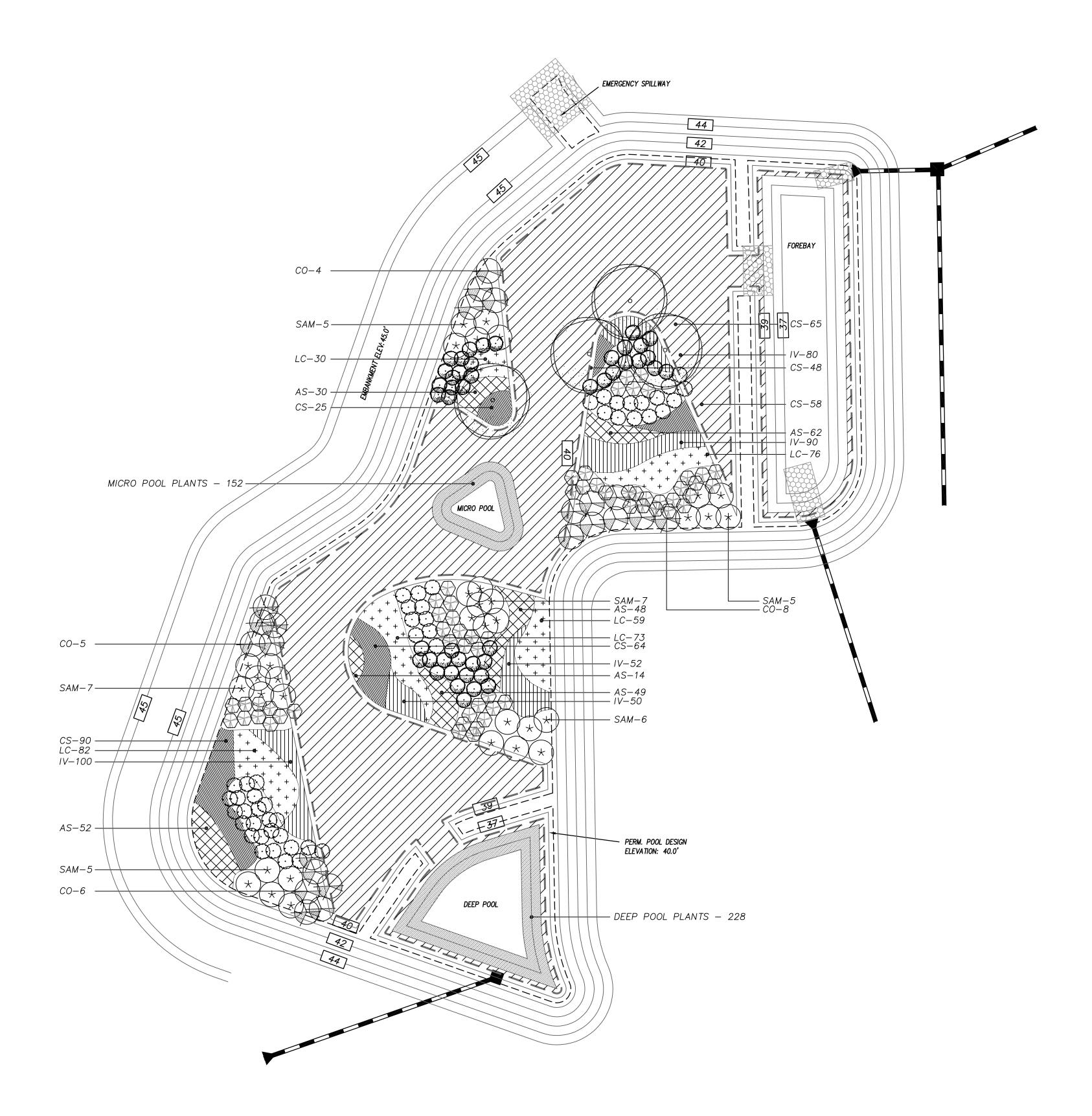
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STORMWATER WETLAND

PERM. POOL ELEV: 40.0'

STORMWATER WETLAND "A" PLANTING SCHEDULE

WETLAN	D TREE	LIST		
KEY	QTY		PLANT NAME	SIZE
TD	4	TAXODIU	M DISTICHUM — BALD CYPRESS	7–GAL. CONT.
SHALLO	W LAND	SHRUBS		
KEY	QTY		PLANT NAME	SIZE
со	23	CEPHALA	NTHUS OCCIDENTALIS — BUTTONBUSH	1–GAL. CONT.
SAM	<i>3</i> 5	SAMBUC	US CANADENSIS – ELDERBERRY	PLANT 5' O.C.
	60	CLETHRA	ALNIFOLIA - SWEET PEPPERBUSH	
\odot	50	ITEA VII	RGINICA 'HENRY'S GARNET' – SWEETSPIRE	
\odot	55	ARONIA	ARBUTIFOLIA 'BRILLIANTISSIMA' – CHOKEBERRY	
SHALLO	N WATE	R PLANT	LIST	
	PV	620	PELTANDRA VIRGINIANA – ARROW ARUM	LARGE PLUGS (MIN. 6 CUBIC INCHES
	PC	620	PONTEDERIA CORDATA – PICKEREL WEED	SPACE 2' O.C.
	AB	620	ACORUS SUBCORDATUM — SWEETFLAG	
	SC	620	SAURURUS CERNUUS – LIZARD'S TAIL	
	JE	620	JUNCUS EFFUSUS — SOFT RUSH	
SHALLOV	N LAND	PLANT LI	ST	7
	cs	350	CAREX STRICTA — TUSSOCK SEDGE	LARGE PLUGS (MIN. 6 CUBIC INCHES
	AS	217	ASCLEPIAS INCARNATA — SWAMP MILKWEED	SPACE 2' O.C.
	IV	372	IRIS VIRGINICA — BLUE FLAG IRIS	
+ + + + +	LC	320	LOBELIA CARDINALIS — CARDINAL FLOWER	
DEEP PC	OL AND	MICRO	POOL PLANT LIST	
	95 95 95	NUPHAR	IA LATIFOLIA – BROADLEAF ARROWHEAD LUTEA – SPATTERDOCK A ODORATA – WATERLILY	LARGE PLUGS (MIN. 6 CUBIC INCHE

DETENTION WETLAND NOTES

1. WETLAND AREA SHALL BE DRAINED ONE DAY PRIOR TO PLANTING. SEE DETAIL SHEET CO7.13 FOR STRUCTURAL INFORMATION. LANDSCAPE ARCHITECT TO APPROVE ALL LOCATIONS IN FIELD.

2. PLACE SHALLOW WATER PLANTINGS IN DESIGNATED AREA BY SPECIES IN GROUPINGS OF 40 PLANTS MIN., 100 PLANTS MAX.

3. SEE SHEET CO7.12 FOR MORE INFORMATION.

WETLAND SOIL MIX

ADD 4" OF TOPSOIL THROUGHOUT STORMWATER WETLAND AREA. TOPSOIL SHALL BE PLACED WITHIN THE SHALLOW LAND, SHALLOW WATER AND DEEP POOL AREAS AND ADHERE TO THE FOLLOWING REQUIREMENTS:

- 3. A MINIMUM ORGANIC CONTENT OF 10% BY DRY WEIGHT.
- 4. THE PH SHALL BE BETWEEN 5.5 AND 7.0.





KEY	QTY		PLANT NAME	SIZE
TD	4	TAXODIUI	M DISTICHUM – BALD CYPRESS	7–GAL. CONT.
SHALLO	W LAND	SHRUBS		
KEY	QTY		PLANT NAME	SIZE
со	23	CEPHALA	NTHUS OCCIDENTALIS — BUTTONBUSH	1–GAL. CONT.
SAM	35	SAMBUC	US CANADENSIS – ELDERBERRY	PLANT 5' O.C.
	60	CLETHRA	ALNIFOLIA – SWEET PEPPERBUSH	
\odot	50	ITEA VII	RGINICA 'HENRY'S GARNET' – SWEETSPIRE	
	55	ARONIA	ARBUTIFOLIA 'BRILLIANTISSIMA' – CHOKEBERRY	
SHALLOI	N WATE	R PLANT	LIST	
	PV	620	PELTANDRA VIRGINIANA – ARROW ARUM	LARGE PLUGS (MIN. 6 CUBIC INCHES)
	PC	620	PONTEDERIA CORDATA – PICKEREL WEED	SPACE 2' O.C.
	AB	620	ACORUS SUBCORDATUM — SWEETFLAG	
	sc	620	SAURURUS CERNUUS – LIZARD'S TAIL	
	JE	620	JUNCUS EFFUSUS - SOFT RUSH	
SHALLO	N LAND	PLANT LI	ST	-
	CS	350	CAREX STRICTA - TUSSOCK SEDGE	LARGE PLUGS (MIN. 6 CUBIC INCHES)
	AS	217	ASCLEPIAS INCARNATA — SWAMP MILKWEED	SPACE 2' O.C.
	IV	372	IRIS VIRGINICA — BLUE FLAG IRIS	
+ + + + +	LC	320	LOBELIA CARDINALIS — CARDINAL FLOWER	
DEEP PC	OL AND	MICRO	POOL PLANT LIST	
	95 95 95	NUPHAR	IA LATIFOLIA – BROADLEAF ARROWHEAD LUTEA – SPATTERDOCK TA ODORATA – WATERLILY	LARGE PLUGS (MIN. 6 CUBIC INCHES,

- THE SOIL MUST BE UNIFORM AND FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR MATERIAL GREATER THAN 2 INCHES.
- SOIL TEXTURE SHALL BE A LOAMY SAND, WITH NO MORE THAN 10% CLAY (USDA SOIL TEXTURAL CLASSIFICATION).

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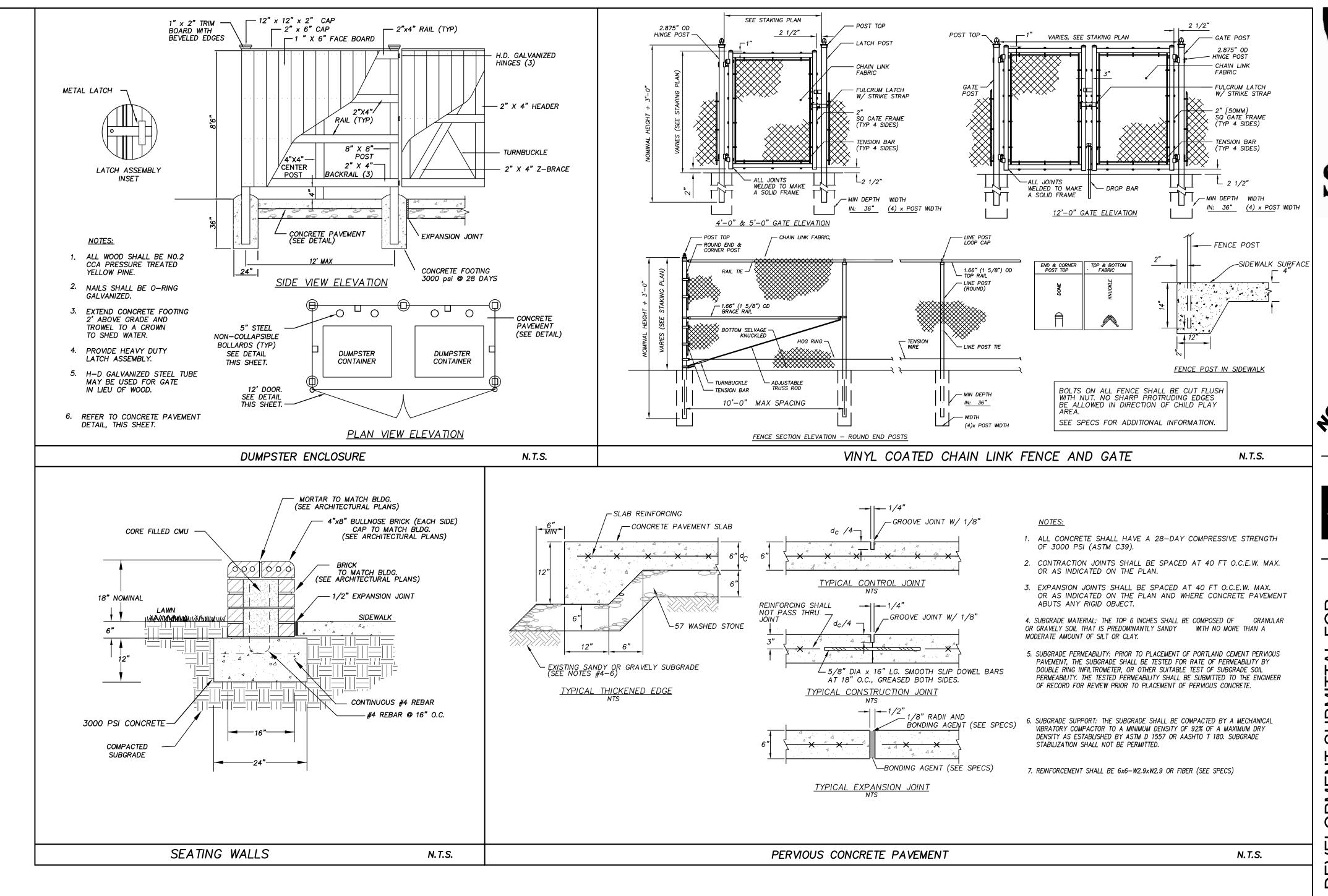


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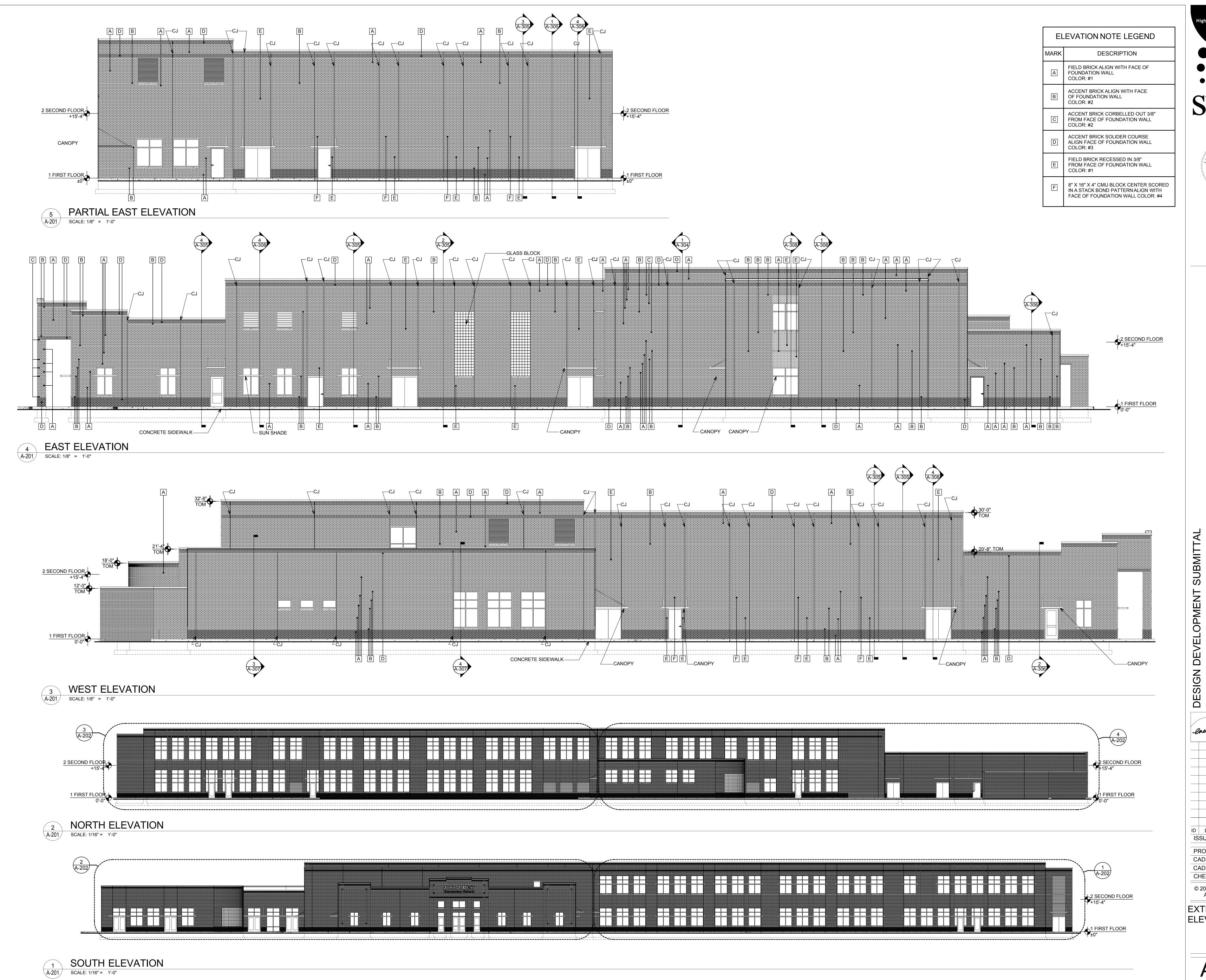
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EXTERIOR ELEVATIONS

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