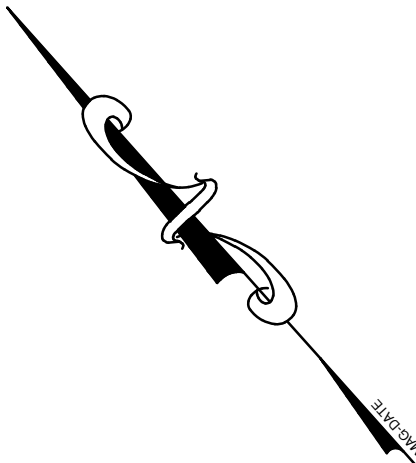
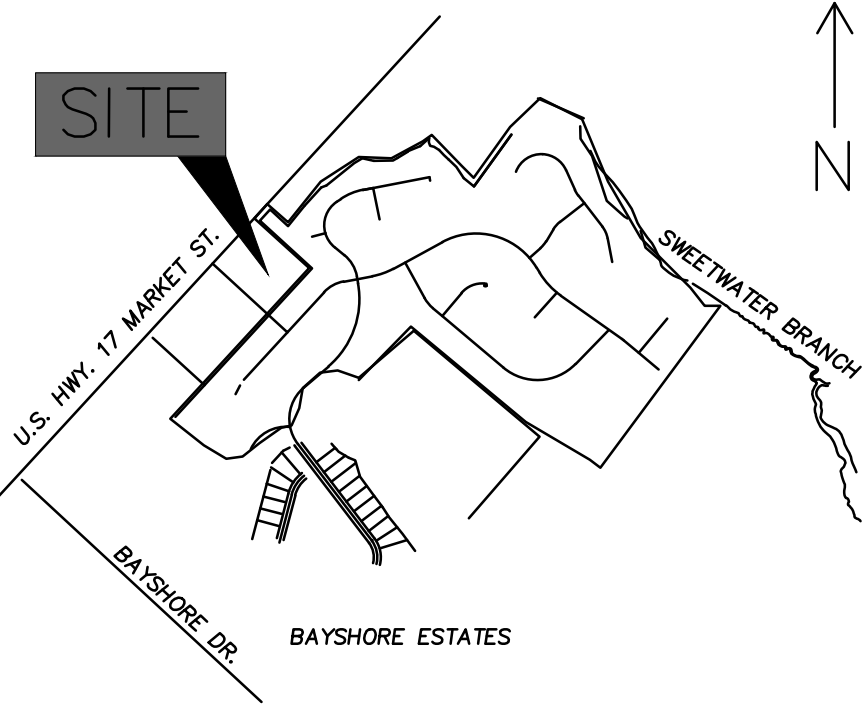


LOCATION MAP



Site Trip Generation												
Code	Land Use	Size	Unit	Daily			AM Peak			PM Peak		
				In	Out	Total	In	Out	Total	In	Out	Total
565	Day Care Center	191	Students	390	391	781	79	70	149	71	80	151

BY	DESCRIPTION	DATE	REVISIONS
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OVERALL PLAN
PRIMROSE SCHOOL OF WILMINGTON
7984 MARKET STREET
WILMINGTON, NC 28405
404-904-3903
SMART@PRIMROSEWILMINGTON.COM

APPLICANT
SAMANTHA MARTIN, MEMBER/MANAGER
MARTIN PROPERTIES TWO LLC
2056 DEER ISLAND LANE
WILMINGTON, NC 28405
404-904-3903
SMART@PRIMROSEWILMINGTON.COM

NORRIS & TUNSTALL
CONSULTING ENGINEERS P.C.
2602 IRON GATE DR., SUITE 102
WILMINGTON, NC 28412
PHONE (910) 343-9653

Licence #C-3641

20096

DES. JPN
CHK. DGC
DRWN. DGC

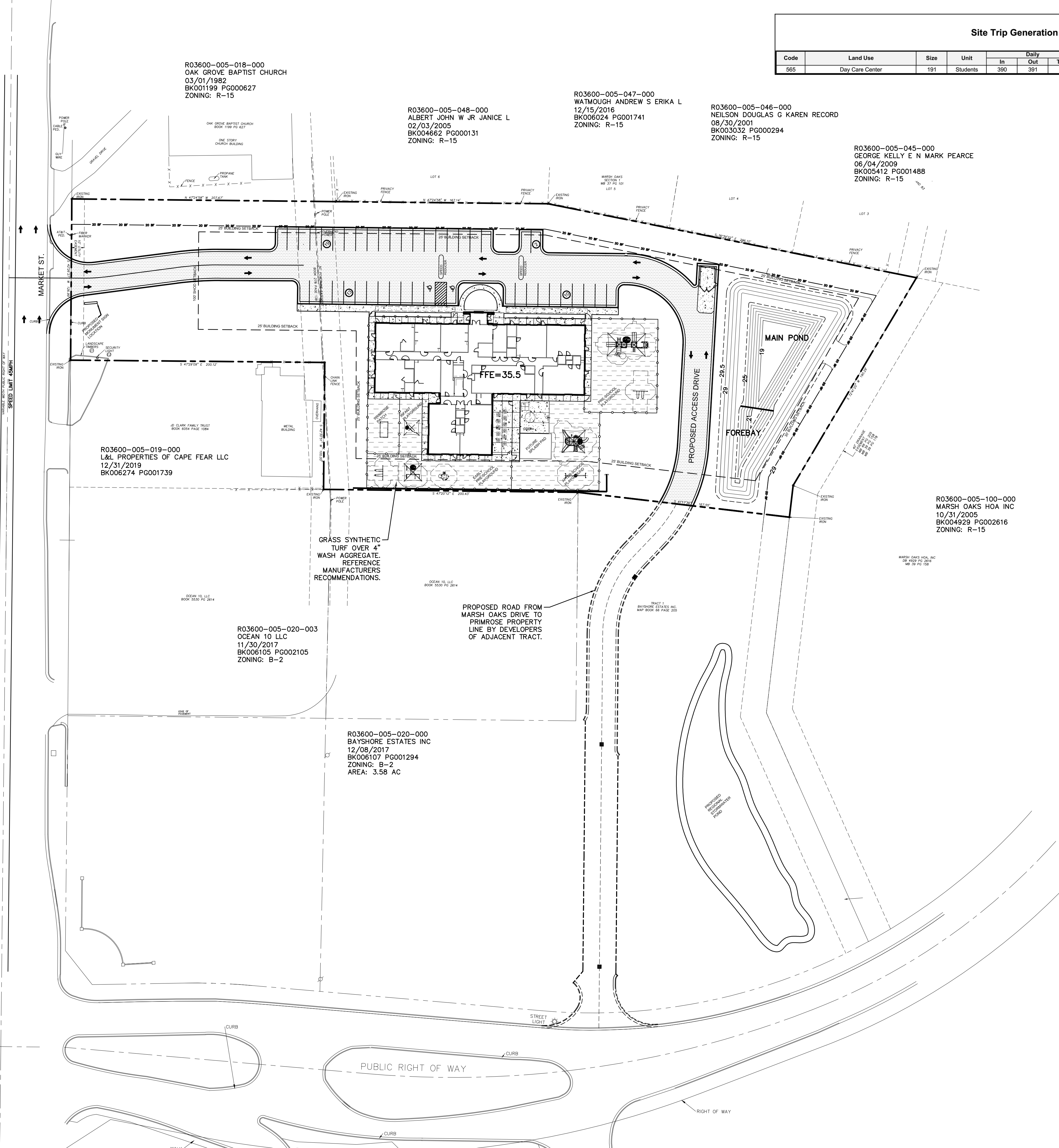
DATE 4/01/21



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MENDENHALL DR.
50' PUBLIC R\W

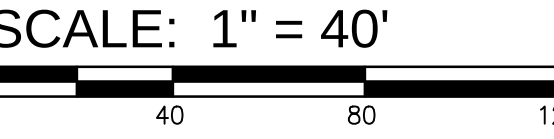


LEGEND

- 35' DISTURBED AREA LIMITS
- PROPOSED CONTOUR
- TEMPORARY SILT FENCE
- PROPOSED BUFFER
- PROPOSED STORMDRAIN PIPE
- PROPOSED WATERLINE
- PROPOSED SANITARY SEWER
- SANITARY SEWER FORCEMAIN
- PROPOSED SPOT ELEVATION FLOW LINE
- PROPOSED SPOT ELEVATION TOP OF CURB
- PROPOSED SPOT ELEVATION FINISH GRADE
- FLARED END SECTION WITH RIP-RAP ENERGY DISSIPATOR
- DROP INLET WITH INLET PROTECTION (DI)
- CURB INLET WITH INLET PROTECTION (CI)
- JUNCTION BOX WITH INLET PROTECTION (JB)
- PROPOSED FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING TREE TO BE SAVED
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION FENCING
- ASPHALT
- CONCRETE
- INTERIOR/FOUNDATION LANDSCAPING
- PLAYGROUND TURF

SITE DATA TABLE	
EXISTING PARCEL ID#:	R03600-005-424-000
EXISTING MAP ID#:	316906.39.0118.000
SITE ADDRESS:	7984 MARKET STREET
EXISTING LEGAL DESCRIPTION:	TRACT 2 BAYSHORE ESTATES INC DIV MAP BOOK 681 PAGE 109
CURRENT PROPERTY OWNER:	BAYSHORE ESTATES INC WILMINGTON, NC
EXISTING PARCEL AREA:	2.66 AC (115,869.60 SF)
PROPOSED PARCEL AREA:	2.66 AC (115,929.25 SF)
(TRACT A1A)	
PROPOSED PARCEL USE:	PRE-SCHOOL/DAYCARE
CURRENT ZONING:	O&/SHOD
CAMA LAND CLASSIFICATION:	TRANSITION
BUILDING SETBACKS O&I:	FRONT SETBACK: 100' (SHOD) INTERIOR SIDE SETBACK: 30' CORNER SIDE SETBACK: 30' REAR SETBACKS: 30'
BUILDING SETBACKS SHOD:	FROM ROW: 100' FROM ANY PROPERTY LINE: 25' FROM ROW: 50'
PARKING SETBACKS SHOD:	
BUILDING SETBACKS: (PROPOSED)	FRONT SETBACK: >100' SIDE SETBACK NORTH: >25' SIDE SETBACK SOUTH: >25' REAR SETBACKS: >30'
BUILDING HEIGHT PROPOSED:	25'
NUMBER OF STORIES PROPOSED:	ONE
BUILDING AREA PROPOSED:	11,881 SF TOTAL
VEHICULAR AREA PROPOSED:	11,881 SF FOOTPRINT
BUILDING CONSTRUCTION TYPE:	V8 SPRINKLERED
PARKING REQUIREMENT	
PARKING REQ'D:	1 PER 6 CHILDREN PER DESIGN CAPACITY MAX. CHILD CAPACITY=191
TOTAL PARKING REQUIRED:	32 SPACES
PARKING PROPOSED:	44 TOTAL
ACCESSIBLE PARKING REQUIRED:	2
ACCESSIBLE PARKING PROPOSED:	2
LANDSCAPING REQUIREMENTS (REFER TO LANDSCAPE PLAN)	
INTERIOR LANDSCAPING O&I:	8% OF THE TOTAL AREA TO BE USED FOR PARKING, LOADING AREA, AUTOMOBILE SALES LOTS, DRIVEWAYS AND INTERNAL DRIVE ALLEYS, OR FOR OTHER VEHICULAR USE OR PEDESTRIAN USE
STREETYARD LANDSCAPING:	18 MULTIPLIER
84 X 18 = 1512 SF REQUIRED	1726 SF PROPOSED
FOUNDATION PLANTINGS:	12% FACE OF BUILDING X LENGTH
SOIL TYPES:	KR, RM, LY
LIMITS OF DISTURBANCE:	2.20 AC

IMPERVIOUS AREA:	
ON SITE IMPERVIOUS AREA:	
BUILDING:	11,482 SF
SIDEWALK:	5,210 SF
ASPHALT/CONC./C&G:	25,066 SF
TOTAL:	41,758 SF
PERCENT IMP.:	36%

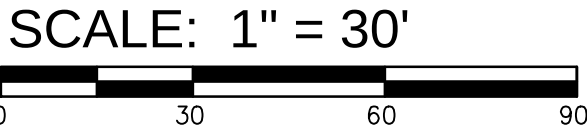


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TREE TABLE											
TREE No.	SIZE/TYPE	TREE No.	SIZE/TYPE	TREE No.	SIZE/TYPE	TREE No.	SIZE/TYPE	TREE No.	SIZE/TYPE	TREE No.	SIZE/TYPE
500 15' oak	508 16' oak	551 13' pine	577 8' oak	602 16' oak	628 20' pine	654 15' hardwood	681 13' pine	705 13' pine	732 12' pine	758 12' oak	
501 21' pine	527 19' pine	552 11' oak	578 8' oak	603 16' oak	629 13' pine	655 19' hardwood	682 16' pine	707 13' pine	733 12' pine	759 10' oak	
502 16' 12" hardwood	528 16' pine	553 11' oak	579 15' pine	604 21' pine	630 13' pine	656 18' pine	683 16' 8" hardwood	708 13' pine	734 15' pine	760 8' oak	
503 18' pine	529 8' oak	554 8' oak	580 13' pine	605 21' pine	631 13' hardwood	657 14' pine	684 10' oak	709 11' pine	735 13' pine		
504 6' oak	530 4' mag	555 8' oak	581 16' pine	606 14' pine	632 20' pine	658 16' pine	685 15' pine	710 15' pine	736 15' pine		
505 10' oak	531 14' pine	556 10' oak	582 17' pine	607 13' pine	633 13' pine	659 14' pine	686 14' pine	711 12' pine	737 21' pine		
506 14' pine	532 17' pine	557 15' oak	583 14' pine	608 17' pine	634 16' pine	660 21' pine	687 14' pine	712 17' pine	738 16' pine		
507 13' pine	533 8' oak	558 12' pine	584 13' pine	609 17' pine	635 15' pine	661 16' pine	688 16' pine	713 10' pine	739 15' pine		
508 14' pine	534 17' pine	559 30' oak	585 23' pine	610 16' oak	636 16' pine	662 15' pine	689 12' oak	714 22' oak	740 17' pine		
509 19' pine	535 9' oak	560 10' oak	586 16' 10" oak	612 20' pine	637 16' oak	663 12' oak	690 20' pine	715 12' oak	741 12' pine		
510 19' oak	536 20' pine	561 41' oak	587 10' oak	613 18' pine	638 15' pine	664 12' oak	691 13' oak	716 12' oak	742 15' pine		
511 10' oak	537 8' oak	562 30' oak	588 10' oak	614 8' oak	639 14' pine	665 14' pine	692 15' oak	717 11' oak	743 11' pine		
512 12' pine	538 16' oak	563 16' pine	589 23' pine	615 8' oak	640 14' pine	666 14' pine	693 15' oak	718 13' oak	744 15' pine		
513 12' pine	539 9' oak	564 15' oak	590 8' oak	616 14' pine	641 14' pine	667 14' pine	694 13' pine	719 14' oak	745 14' pine		
514 23' pine	540 14' pine	565 13' oak	591 11' oak	617 18' pine	642 15' pine	668 15' pine	695 10' oak	720 13' oak	746 14' pine		
515 19' pine	541 12' pine	566 10' pine	592 14' pine	618 11' oak	643 16' pine	669 15' pine	696 14' pine	721 13' oak	747 14' pine		
516 13' pine	542 13' oak	567 17' pine	593 13' oak	619 14' pine	644 16' pine	670 16' pine	697 14' pine	722 16' pine	748 21' oak		
517 10' oak	543 14' oak	568 17' pine	594 13' oak	620 15' pine	645 16' pine	671 16' oak	698 15' pine	723 15' pine	749 9' oak		
518 12' pine	544 12' pine	569 17' oak	595 8' oak	621 15' pine	646 17' pine	672 17' pine	699 15' oak	724 17' pine	750 5' oak		
519 17' hardwood	545 13' pine	570 5' oak	596 10' oak	622 15' pine	647 9' oak	673 20' pine	700 16' 10" oak	725 15' pine	751 10' oak		
520 8' oak	546 2' mag	571 4' pine	597 9' oak	623 15' pine	648 8' hardwood	674 15' pine	701 14' oak	726 12' hardwood	752 9' oak		
521 9' oak	547 14' pine	572 14' pine	598 7' oak	624 17' pine	649 8' hardwood	675 14' pine	702 14' oak	727 10' pine	753 8' oak		
523 14' pine	548 19' pine	573 14' pine	599 9' oak	625 17' pine	650 12' pine	676 15' pine	703 8' oak	728 13' pine	754 18' pine		
524 16' pine	549 12' oak	574 12' pine	600 16' pine	626 16' oak	651 20' pine	677 16' pine	704 20' pine	729 8' hardwood	755 15' pine		
525 13' pine	550 15' oak	575 15' pine	601 18' pine	627 16' pine	652 17' pine	678 16' pine	705 17' pine	730 15' pine	756 20' pine		
		576 13' pine	601 11' oak	627 13' pine	653 16' pine	679 14' pine	706 17' pine	731 16' pine	757 12' oak		

NOTE:
SURVEY PROVIDED BY
HANOVER DESIGN SERVICES.



SYMBOL

DATE

DESCRIPTION

BY

REVISIONS

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EXISTING CONDITIONS PLAN

MARTIN PROPERTIES TWO LLC

2056 DEER ISLAND LANE

WILMINGTON, NC 28405

404-904-3903

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20096

DES. JST

CHK. JPN

DRWN. DGC

DATE 4/01/21

NORTH CAROLINA

PROFESSIONAL

SEAL

1851

ENGINEER

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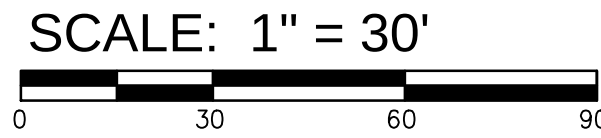


TREE REMOVAL TABLE

REGULATED PINES	REGULATED OAKS	REGULATED HOLLY	REGULATED HARDWOOD	REGULATED MAGNOLIA
12" (11)	8" (13)	8" (1)	8" (3)	4" (1)
13" (14)	9" (6)	TRIPLE 7" (1)	12" (1)	
14" (11)	10" (7)		15" (1)	
15" (11)	11" (4)		19" (1)	
16" (17)	12" (5)		TWIN 8" (1)	
17" (14)	13" (7)			
18" (15)	14" (3)			
19" (5)	15" (2)			
20" (10)	16" (2)			
21" (4)	17" (1)			
22" (1)	18" (1)			
23" (4)	20" (1)			
	22" (1)			
	TRIPLE 8" (2)			
	TWIN 10" (3)			
	TWIN 15" (2)			

TREE TABLE															
TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE	TREE No. SIZE/TYPE
500 12" oak	529 16" oak	501 13" pine	577 8" oak	602 16" oak	628 20" pine	654 15" hardwood	681 13" pine	706 13" pine	732 12" pine	758 12" oak	784 12" oak	810 12" oak	836 12" oak	862 12" oak	888 12" oak
501 21" pine	527 19" pine	522 11" oak	578 8" oak	603 15" oak	629 15" pine	655 19" hardwood	682 16" pine	707 13" pine	733 12" pine	759 10" oak	785 10" oak	811 10" oak	837 10" oak	863 10" oak	889 10" oak
502 16" hardwood	528 9" oak	523 11" oak	579 8" oak	604 22" pine	630 13" pine	656 8" pine	683 16" hardwood	708 13" pine	734 12" pine	760 12" oak	786 12" oak	812 12" oak	838 12" oak	864 12" oak	890 12" oak
503 16" pine	529 9" oak	524 8" oak	580 13" pine	605 21" pine	631 10" hardwood	657 14" pine	684 10" oak	709 10" pine	735 10" pine	761 10" pine	787 10" pine	813 10" pine	839 10" pine	865 10" pine	891 10" pine
504 4" oak	530 4" mag	525 8" oak	581 10" pine	606 16" pine	632 20" pine	658 16" pine	685 15" pine	710 15" pine	736 15" pine	762 15" pine	788 15" pine	814 15" pine	840 15" pine	866 15" pine	892 15" pine
505 10" oak	531 14" pine	526 10" oak	582 13" pine	607 15" pine	633 10" pine	659 14" pine	686 17" pine	711 12" pine	737 12" pine	763 12" pine	789 12" pine	815 12" pine	841 12" pine	867 12" pine	893 12" pine
506 14" pine	532 17" pine	527 10" oak	583 10" oak	608 16" pine	634 10" pine	660 14" pine	687 14" pine	712 12" pine	738 12" pine	764 12" pine	790 12" pine	816 12" pine	842 12" pine	868 12" pine	894 12" pine
507 13" pine	533 8" oak	528 12" pine	584 13" pine	609 17" pine	635 10" pine	661 14" pine	688 16" pine	713 12" pine	739 12" pine	765 12" pine	791 12" pine	817 12" pine	843 12" pine	869 12" pine	895 12" pine
508 14" pine	534 17" pine	529 8" oak	585 8" oak	610 17" oak	636 10" pine	662 12" oak	689 16" pine	714 12" oak	740 12" pine	766 12" pine	792 12" pine	818 12" pine	844 12" pine	870 12" pine	896 12" pine
509 19" pine	535 9" oak	561 41" oak	586 10" oak	611 18" pine	637 10" pine	663 12" oak	690 14" pine	715 12" oak	741 12" pine	767 12" pine	793 12" pine	819 12" pine	845 12" pine	871 12" pine	897 12" pine
510 20" pine	536 20" pine	562 0" oak	587 10" oak	612 20" pine	638 10" pine	664 12" oak	691 13" oak	716 12" oak	742 12" pine	768 12" pine	794 12" pine	820 12" pine	846 12" pine	872 12" pine	898 12" pine
511 10" oak	537 9" oak	563 12" oak	588 10" oak	613 18" pine	639 10" pine	665 14" pine	692 18" oak	717 8" oak	743 12" pine	769 12" pine	795 12" pine	821 12" pine	847 12" pine	873 12" pine	899 12" pine
512 12" pine	538 9" oak	564 10" oak	589 8" oak	614 8" oak	640 16" pine	666 16" pine	693 15" oak	718 8" oak	744 12" pine	770 12" pine	796 12" pine	822 12" pine	848 12" pine	874 12" pine	900 12" pine
513 12" pine	539 14" pine	565 13" oak	590 8" oak	615 8" oak	641 16" pine	667 16" pine	694 15" oak	719 14" oak	745 12" pine	771 12" pine	797 12" pine	823 12" pine	849 12" pine	875 12" pine	901 12" pine
514 23" pine	540 14" pine	566 20" oak	591 11" oak	616 14" pine	642 16" pine	668 16" pine	695 10" oak	720 13" oak	746 12" pine	772 12" pine	798 12" pine	824 12" pine	850 12" pine	876 12" pine	902 12" pine
515 15" pine	541 13" pine	567 17" pine	592 14" oak	617 18" pine	643 16" pine	669 16" pine	696 10" oak	721 13" oak	747 12" pine	773 12" pine	799 12" pine	825 12" pine	851 12" pine	877 12" pine	903 12" pine
516 13" oak	542 13" oak	568 17" pine	593 13" oak	618 11" oak	644 16" pine	670 16" pine	697 10" oak	722 13" oak	748 12" pine	774 12" pine	800 12" pine	826 12" pine	852 12" pine	878 12" pine	904 12" pine
517 10" oak	543 12" oak	569 17" pine	594 13" oak	619 14" pine	645 16" pine	671 16" pine	698 10" oak	723 13" oak	749 12" pine	775 12" pine	801 12" pine	827 12" pine	853 12" pine	879 12" pine	905 12" pine
518 12" pine	544 12" pine	570 8" oak	595 8" oak	620 18" pine	646 16" pine	672 16" pine	699 8" oak	724 13" oak	750 12" pine	776 12" pine	802 12" pine	828 12" pine	854 12" pine	880 12" pine	906 12" pine
519 17" hardwood	545 12" pine	571 8" oak	596 10" oak	621 8" holly	647 16" pine	673 16" pine	700 10" oak	725 13" oak	751 12" pine	777 12" pine	803 12" pine	829 12" pine	855 12" pine	881 12" pine	907 12" pine
520 8" oak	546 5" mag	572 14" pine	597 8" oak	622 15" pine	648 8" hardwood	674 15" pine	701 14" oak	726 12" hardwood	752 8" oak	778 12" pine	804 12" pine	830 12" pine	856 12" pine	882 12" pine	908 12" pine
521 9" oak	547 12" pine	573 14" pine	598 8" oak	623 15" pine	649 8" hardwood	675 14" pine	702 14" oak	727 12" hardwood	753 8" oak	779 12" pine	805 12" pine	831 12" pine	857 12" pine	883 12" pine	909 12" pine
522 14" pine	548 19" pine	574 12" pine	599 10" oak	624 17" pine	650 12" pine	676 11" oak	703 8" oak	728 12" pine	754 18" pine	780 12" pine	806 12" pine	832 12" pine	858 12" pine	884 12" pine	910 12" pine
523 16" pine	549 12" oak	575 12" pine	600 10" oak	625 16" pine	651 20" pine	677 10" oak	704 9" oak	729 8" hardwood	755 15" pine	781 12" pine	807 12" pine	833 12" pine	859 12" pine	885 12" pine	911 12" pine
524 18" pine	550 12" oak	576 12" pine	601 11" oak	626 16" pine	652 17" pine	678 10" oak	705 17" pine	730 12" pine	756 20" pine	782 12" pine	808 12" pine	834 12" pine	860 12" pine	886 12" pine	912 12" pine
525 13" pine	550 15" oak	576 13" pine	602 11" oak	627 13" pine	653 16" pine	679 14" pine	706 17" pine	731 18" pine	757 12" oak	783 12" pine	809 12" pine	835 12" pine	861 12" pine	887 12" pine	913 12" pine

NOTE:
SURVEY PROVIDED BY
HANOVER DESIGN SERVICES.



SYMBOL	DATE	DESCRIPTION	BY
		REVISIONS	

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TREE REMOVAL PLAN
PRIMROSE SCHOOL OF WILMINGTON
7984 MARKET STREET
WILMINGTON, NC 28411

APPLICANT
SAMANTHA MARTIN, MEMBER/MANAGER
MARTIN PROPERTIES TWO LLC
2056 DEER ISLAND LANE
WILMINGTON, NC 28405
404-904-3903
SMARTIN@PRIMROSEWILMINGTON.COM

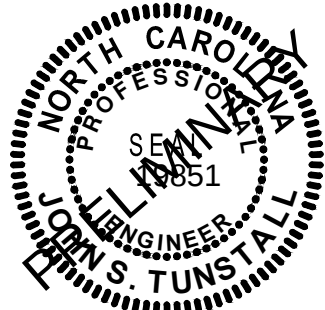
NORRIS & TUNSTALL
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PHONE (910) 343-9653

Licence #C-3641

20096

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CHK. JPN
DRWN. DGC

DATE 4/01/21



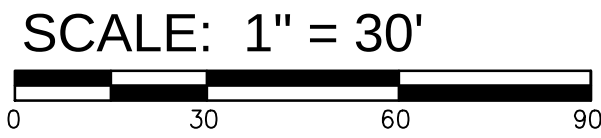
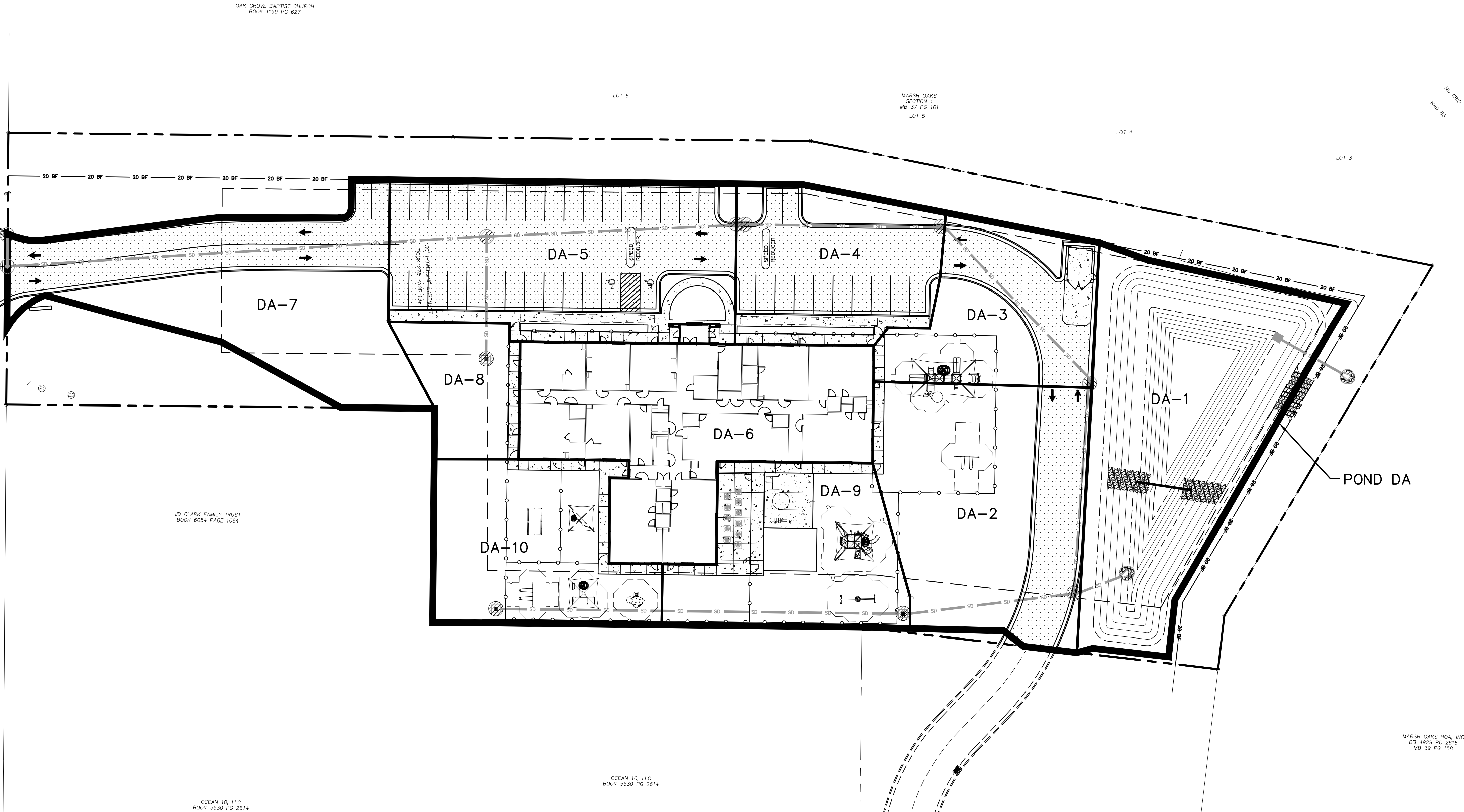
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U.S. HWY. 17
VARIABLE RIGHT TRUCK RIGHT OF WAY

Drainage Area						
	TOTAL AREA (SF)	ASPHALT/CONC./C&G (SF)	SIDEWALK (SF)	BUILDING (SF)	IMPERVIOUS TOTAL (SF)	% IMPERVIOUS
DA1	13,751	0	0	0	0	0
DA2	10,826	3,032	213	0	3,245	30
DA3	6,161	2,975	98	0	3,073	50
DA4	6,553	4,376	864	0	5,240	80
DA5	11,684	9,118	1,565	145	10,828	93
DA6	11,706	0	0	11,337	11,337	97
DA7	10,906	4,980	0	0	4,980	46
DA8	2,934	0	272	0	272	9
DA9	7,120	585	1,528	0	2,113	30
DA10	7,068	0	670	0	670	9
Pond DA	88,344	25,066	5,210	11,482	41,758	47



SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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DRAINAGE PLAN
PRIMROSE SCHOOL OF WILMINGTON
7984 MARKET STREET
WILMINGTON, NC 28411

APPLICANT
SAMANTHA MARTIN, MEMBER/MANAGER
MARTIN PROPERTIES TWO LLC
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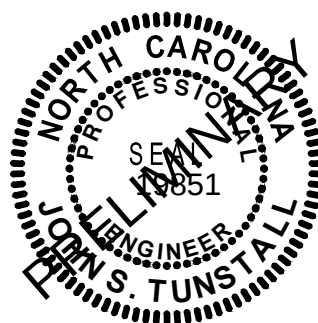
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WILMINGTON, NC 28412
PHONE: (910) 343-9653

Licence #C-3641

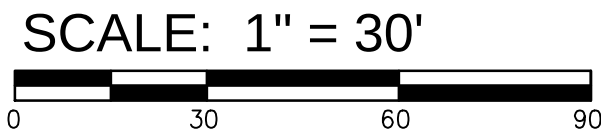
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CHK. JPN
DRWN. DGC

DATE 4/01/21



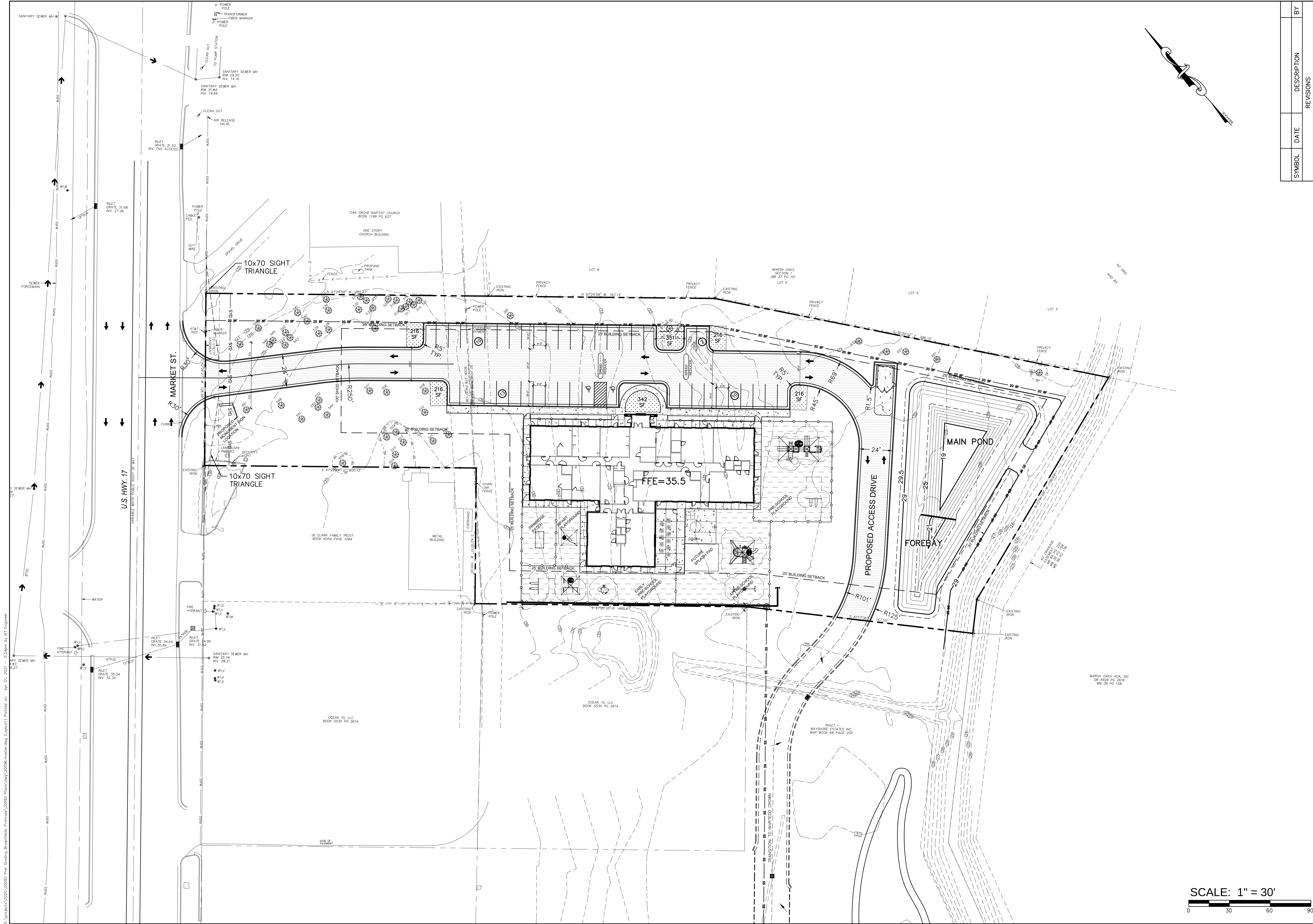
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NORRIS & TUNSTALL — CONSULTING ENGINEERS P.C. — 2602 IRON GATE DR., SUITE 102 WILMINGTON, NC 28412 PHONE (910) 343-9653 1429 ASH-LITTLE RIVER RD. NW ASH, NC 28420 PHONE (910) 287-5900		UTILITY PLAN PRIMROSE SCHOOL OF WILMINGTON 7984 MARKET STREET WILMINGTON, NC 28411
APPLICANT SAMANTHA MARTIN, MEMBER/MANAGER MARTIN PROPERTIES TWO LLC 2056 DEER ISLAND LANE WILMINGTON, NC 28405 404-904-3903 SMARTIN@PRIMROSEWILMINGTON.COM		
Licence #C-3641		
20096		
DES. JST CKD. JPN DRWN. DCC	DATE 4/01/21	
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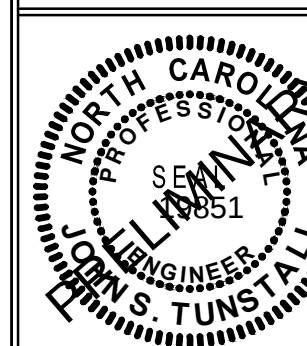
SYMBOL	DATE	DESCRIPTION	BY
REVISIONS			
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LAYOUT PLAN
PRIMROSE SCHOOL OF WILMINGTON
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WILMINGTON, NC 28411

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DATE 4/01/21



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CALL 811 (3) WORKING DAYS BEFORE YOU DIG.		NPDES-SPECIFIC PLAN SHEET NOTES 1. THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NC0010000. 2. THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC0010000 ONLY. 3. THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NC0010000. 4. THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE CITY CODE.		SEE PLAN FOR PIPE ORIENTATION CONC. COLLAR CASTING NOTE: 2'X 2' (MIN) DROP INLET FRAME & GRATE SHALL BE HEAVY DUTY H-20 LOAD RATED. COORDINATE TOP WITH BOX SIZE & GRADES. PLAN CONCRETE COLLAR NON TRAFFIC AREA ASPHALT PAVEMENT ELEV. VARIES PIPE SIZE VARIES 8" 6" 6" 8" VARIES 4" 8" SEDIMENT TRAP SECTION NOT TO SCALE	
1	TEMPORARY GRAVELLED CONSTRUCTION ENTRANCE	4	ENERGY DISSIPATOR	8	DROP INLET DETAIL
6' W/ E.S. FABRIC 8' W/ WIRE MESH MIN. 14 GA. 6x6 MESH FOR STANDARD FABRIC 2'-0" MAX. 12" MIN. FILTER FABRIC 1'-6" MINIMUM STEEL POST WIRE MESH FOR STANDARD FABRIC STANDARD OR EXTRA STRENGTH FILTER FABRIC DIRECTION OF WATER FLOW ANCHOR FABRIC SKIRT MIN. 8" DEEP & 4" WIDE. NOTES: 1. SYN. FENCE FABRIC SHALL BE MIN. OF 30" IN WIDTH WITH 30 LB/IN TENSILE STRENGTH FOR STANDARD FABRIC AND 50 LB/IN FOR EXTRA STRENGTH. 2. FABRIC SHALL BE CONTINUOUS LENGTH. IF JOINTS ARE NECESSARY, LAP FABRIC POST TO POST. 3. STEEL POST SHALL BE MIN. 4' IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE. NOT TO SCALE		2" SF 9.5 C SURFACE COURSE (NCDOT) 6" TYPE ABC STONE (NCDOT) COMPACTED SUBGRADE NOTE: PAVEMENT SECTION MAY VARY DEPENDING UPON FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE W/OWNER & GEOTECHNICAL ENGINEER TO DETERMINE ACTUAL PAVEMENT SECTION. NOT TO SCALE		BACK OF CURB INSIDE WALL OF BOX 2" HEAVY DUTY TRAFFIC BEARING FRAME, GRATE AND HOOD, C.O.W. STANDARD SD 2-21, NCDOT ROADWAY STANDARD NO. 840.03 OR APPROVED EQUAL. 8" 26" MIN. PRECAST CONCRETE OR SOLID NCDOT STRUCTURAL BLOCK, H-20 LOAD RATED 4" 8" #4 @ 12" EACH WAY 6" #57 STONE CONC. FTG. NOTE: IF PRE-CAST BOXES ARE USED THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THAT THE PIPES CAN BE INSTALLED TO THE GRADES SHOWN ON THE PLANS USING A PRECAST BOX PRIOR TO CONSTRUCTION. NOT TO SCALE	
2	TEMPORARY SILT FENCE	5	LIGHT DUTY PAVEMENT SECTION	9	CATCH BASIN DETAIL
NCDOT #5 OR #57 WASHED STONE A A CONSTRUCTION SEQUENCE: 1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET. 2. DRIVE 5' STEEL POST 2' INTO THE GROUND SURROUNDING THE INLET. SPACE POST EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4' APART. 3. SURROUND THE POST WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POST AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2' FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED. 4. PLACE CLEAN GRAVEL (NCDOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16" TO 18" AROUND THE WIRE, AND SMOOTH TO AN EVEN GRADE. 5. ONCE THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADING ELEVATIONS. 6. COMPACT THE AREA PROPERLY AND STABILIZE IT WITH GROUND COVER. 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. REMOVE SEDIMENT WHEN ACCUMULATION REACHES HALF THE DEPTH OF ROCK. REPLACE STONE WHEN IT NO LONGER DRAINS AS DESIGNED. STANDARD METAL POSTS 2.0' IN GROUND, TYP. 4' MAX. 19-GAUGE HARDWARE CLOTH (1/4 MESH OPENINGS) NCDOT #5 OR #57 WASHED STONE 2" 2" 2" 2" 16" TO 18" SECTION A-A NOT TO SCALE		3" (2 LIFTS) SF 9.5 C SURFACE COURSE (NCDOT) 8" TYPE ABC STONE (NCDOT) COMPACTED SUBGRADE NOTE: PAVEMENT SECTION MAY VARY DEPENDING UPON FIELD CONDITIONS. CONTRACTOR SHALL COORDINATE W/OWNER & GEOTECHNICAL ENGINEER TO DETERMINE ACTUAL PAVEMENT SECTION. NOT TO SCALE		24" 18" 6" 1 1/2" R 1'-0" CLASS A CONC. ASPHALT TYPE ABC STONE 4" TYPE ABC STONE COMPACTED SUBGRADE TYPE ABC STONE SHALL EXTEND 6" BEYOND CURB & GUTTER NOTE: CURB TYPE DEPENDS ON GRADES SHOWN ON GRADING PLAN. GRADES INDICATING FALL AWAY FROM CURB SHALL BE SPILL OFF TYPE CURB. GRADES INDICATING CURB ACCEPTING FLOW SHALL BE FLOW LINE TYPE. NOT TO SCALE	
3	HARDWARE CLOTH AND GRAVEL INLET PROTECTION	7	24" CURB AND GUTTER SECTION (SPILL-OFF)	10	24" CURB AND GUTTER SECTION (FLOW-LINE)

DETAILS AND NOTES

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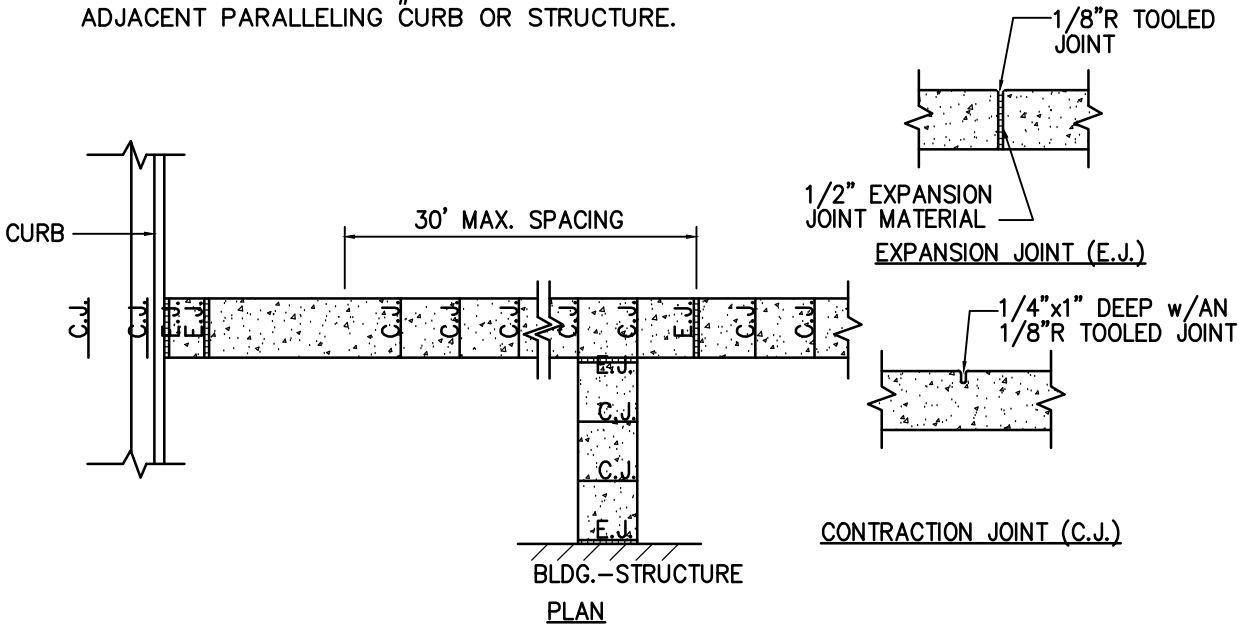
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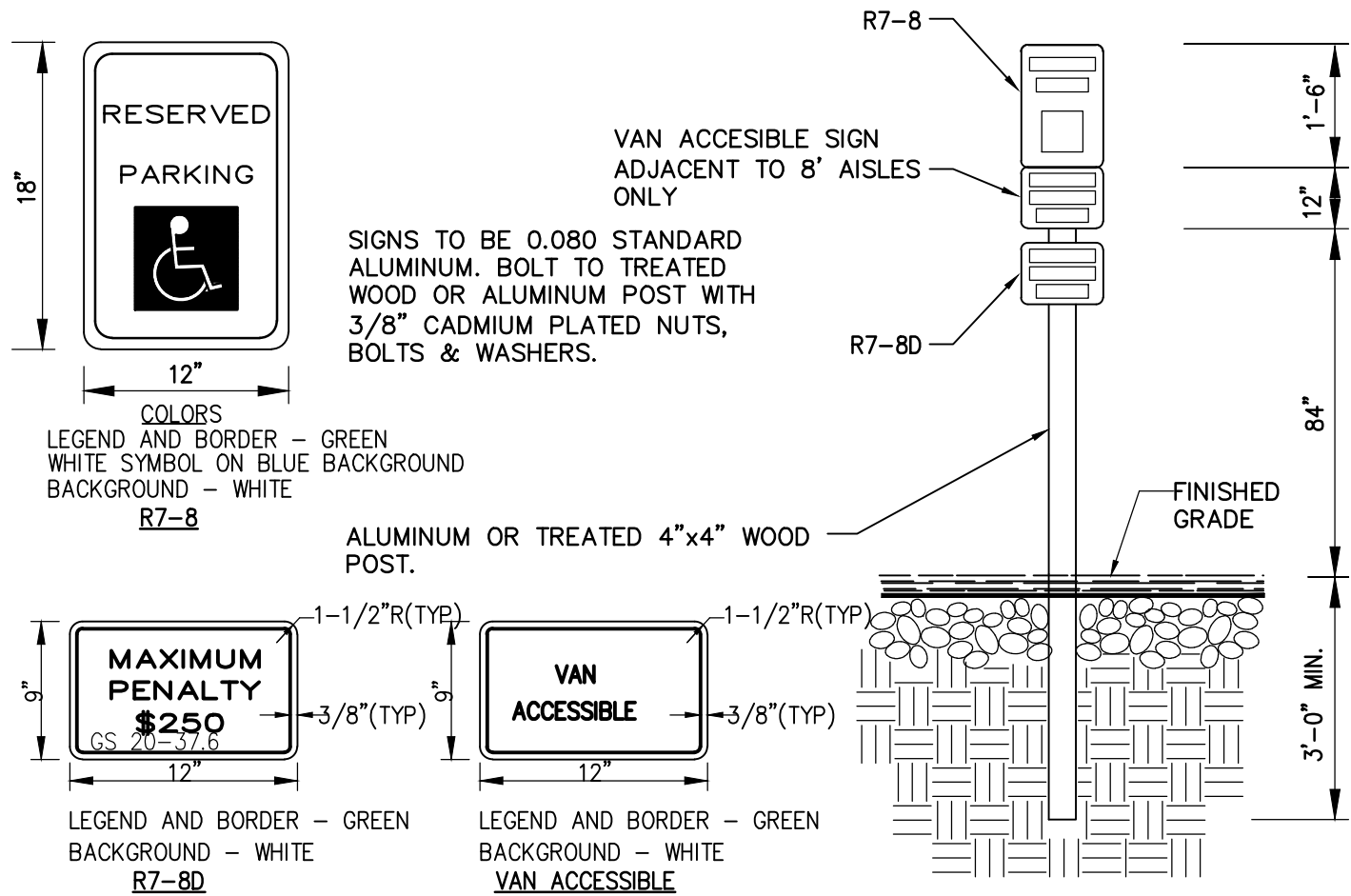
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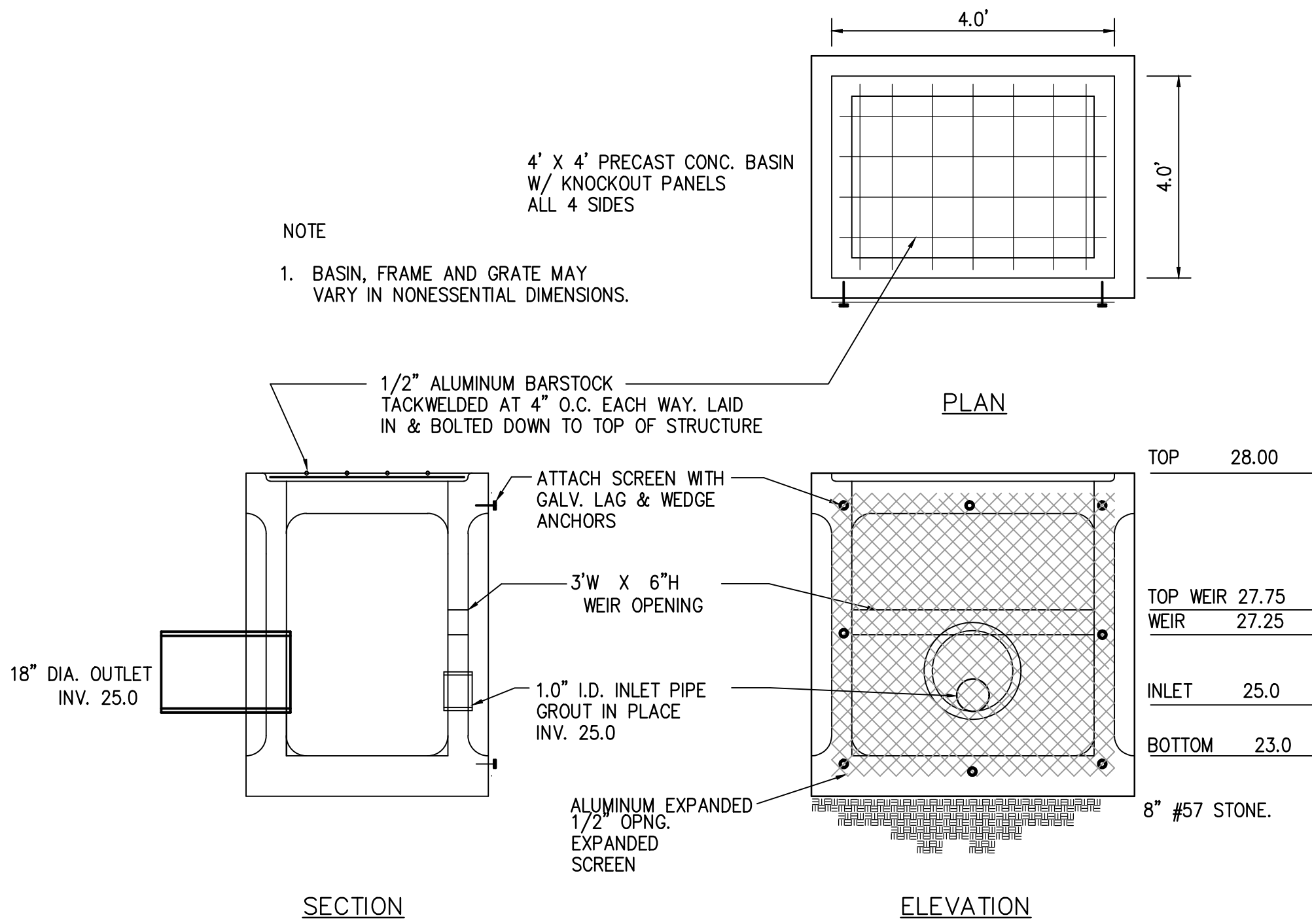
- NOTES:
1. SIDEWALK THICKNESS SHALL BE 4" UNLESS NOTED OTHERWISE.
 2. CONTRACTION JOINTS (C.J.) SPACE SAME AS SIDEWALK WIDTH.
 3. THICKEN SIDEWALK TO 6" AT DRIVEWAYS.
 4. THICKEN SIDEWALK TO 6" IN LAST 3' WHERE IT ABUTS PAVEMENT WITH NO CURB.
 5. 1/2" EXPANSION JOINT (E.J.) AND SNAP CAP EXPANSION JOINT COVERS ARE REQUIRED AT 50' MAX. AT SIDEWALK JUNCTIONS, AT STRUCTURES, AND AS NOTED ON SITE PLAN.
 6. PROVIDE A LAYER OF 15# BLDG. FELT BETWEEN WALK AND ADJACENT PARALLELING CURB OR STRUCTURE.



NOT TO SCALE



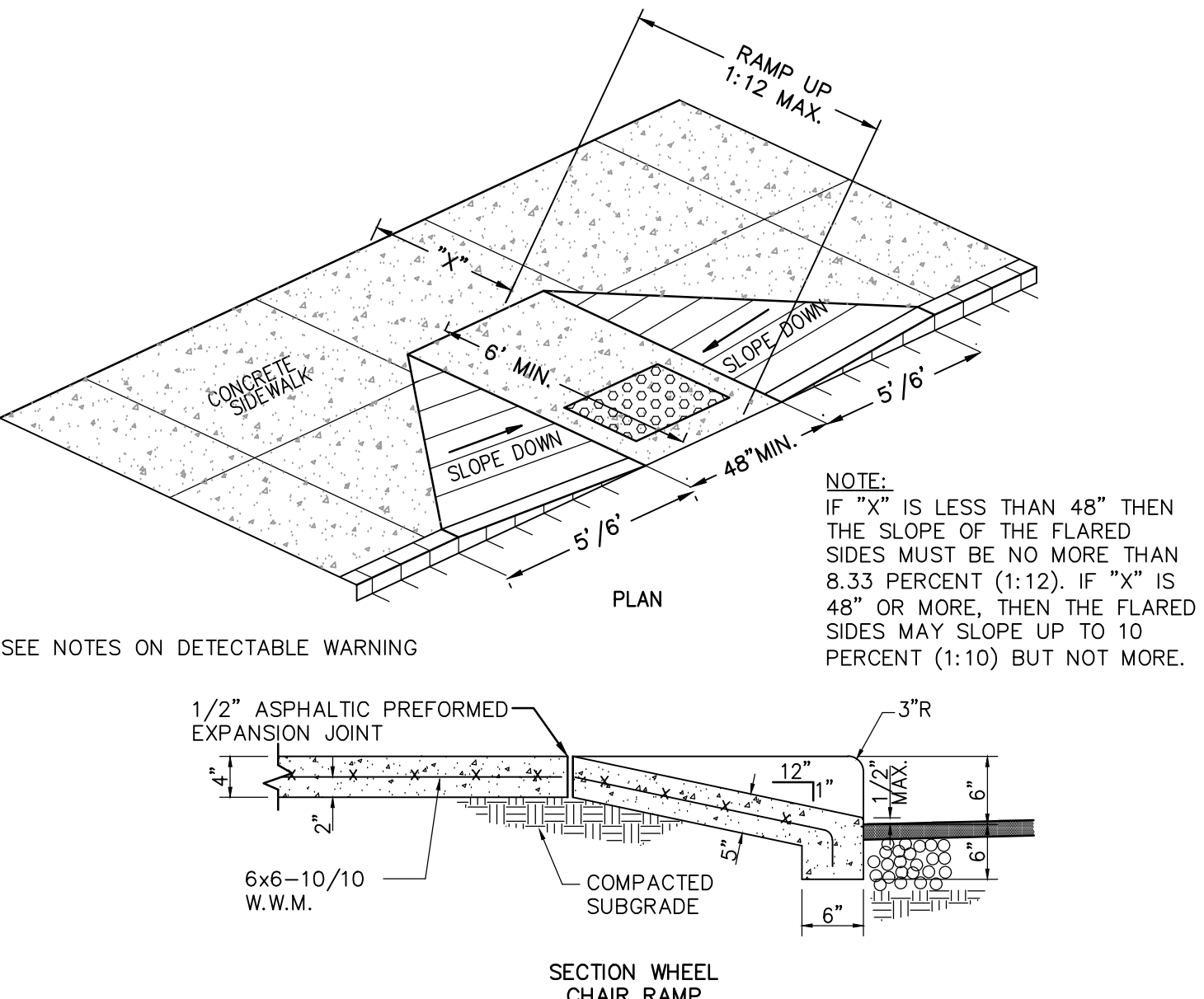
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DETENTION POND OUTLET STRUCTURE
NTS

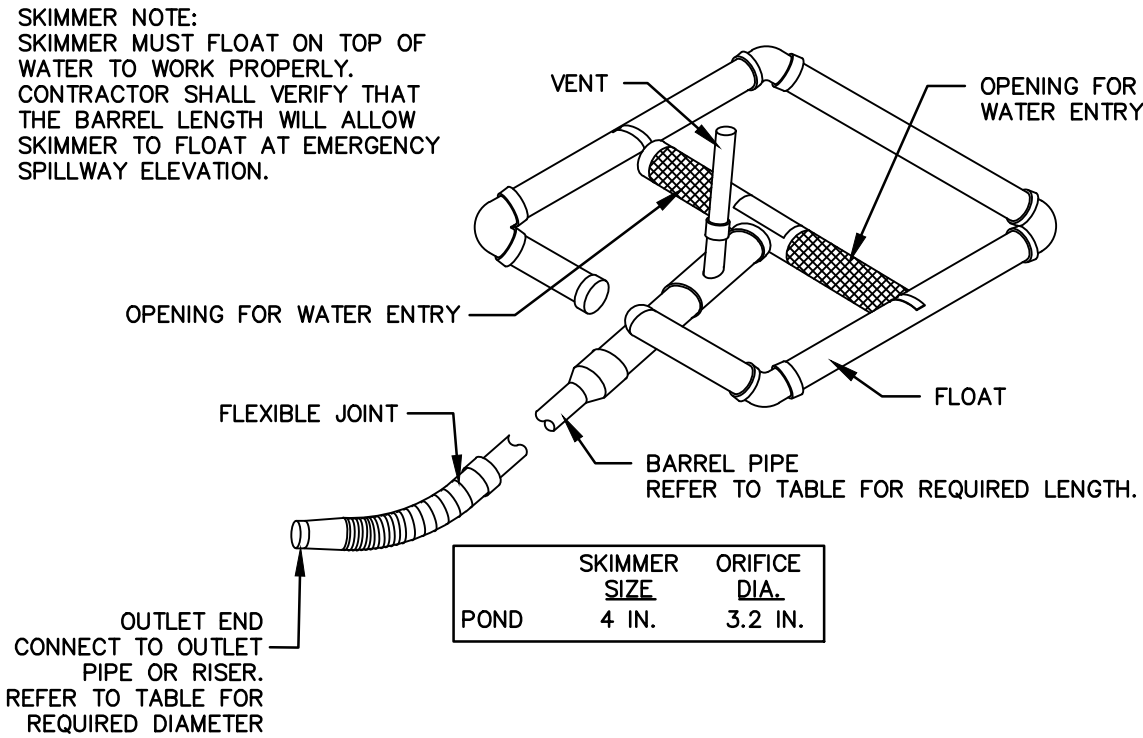
- NOTE:
1. RAMP SHALL HAVE A DETECTABLE WARNING COMPLYING WITH ADA GUIDELINES:
 2. THE DETECTABLE WARNINGS AT CURB RAMPS SHALL BE 24 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
 3. MARKED CROSSINGS THAT ARE RAISED TO THE SAME LEVEL AS THE ADJOINING SIDEWALK SHALL BE PRECEDED BY A 24 INCH DEEP DETECTABLE WARNING EXTENDING THE FULL WIDTH OF THE MARKED CROSSING.
 4. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN (23 MM), A HEIGHT OF NOMINAL 0.2 IN (5 MM) AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 IN (60 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70% — REFER TO ADA GUIDELINES FOR DEFINITION OF "CONTRAST".
 5. THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

2 NOTES ON DETECTABLE WARNING FOR WHEEL CHAIR RAMPS



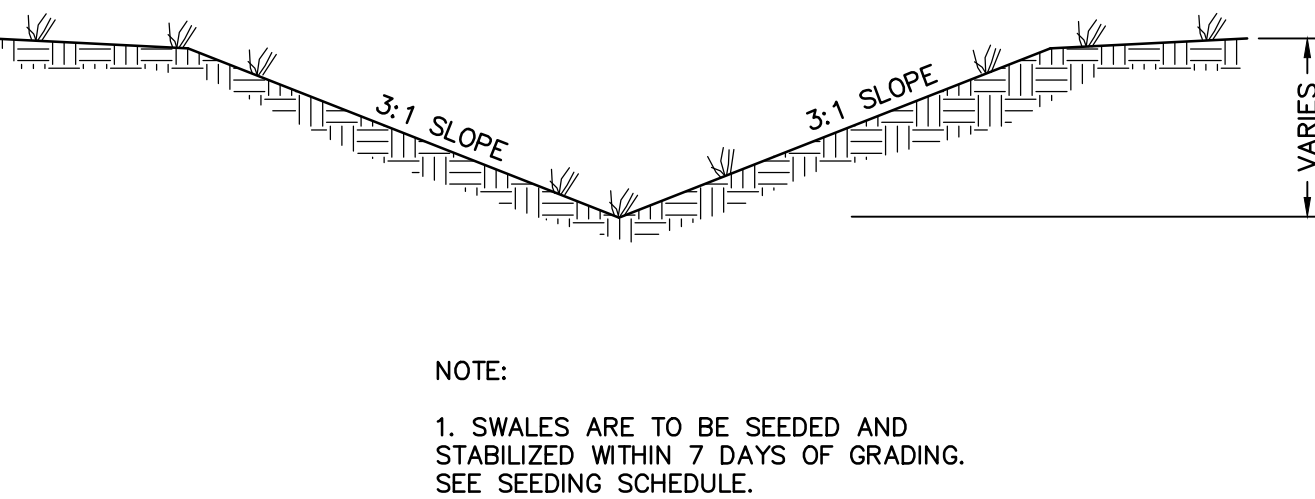
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- SKIMMER MAINTENANCE NOTES:
1. INSPECT SKIMMER SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (ON-HALF INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY.
 2. IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY 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 DEBS.
 3. 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.
 4. FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.



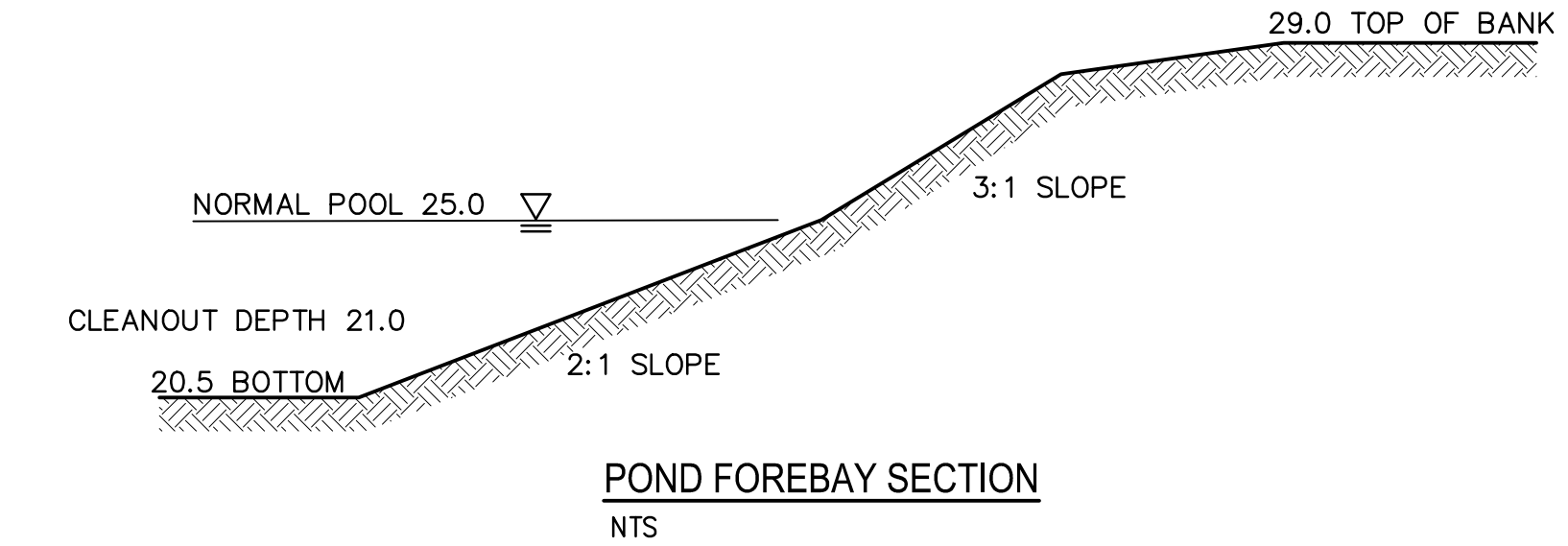
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5 FAIRCLOTH STANDARD SKIMMER DETAIL

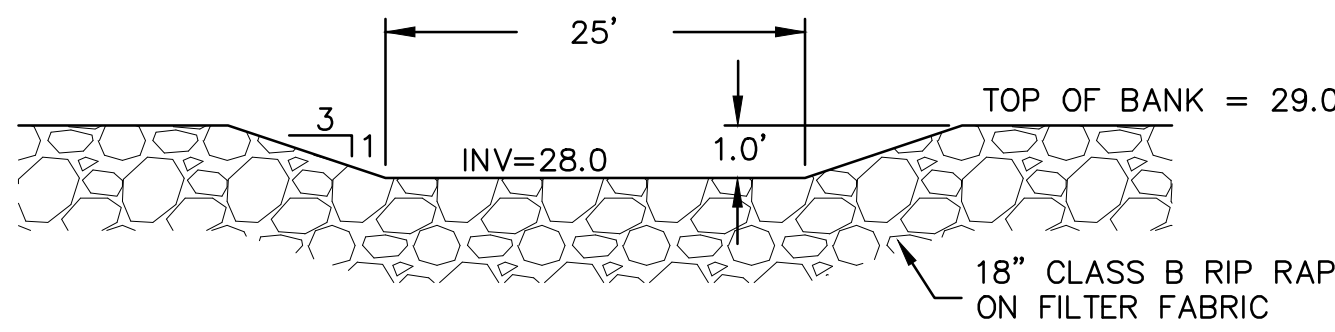


- NOTE:
1. SWALES ARE TO BE SEEDED AND STABILIZED WITHIN 7 DAYS OF GRADING. SEE SEEDING SCHEDULE.

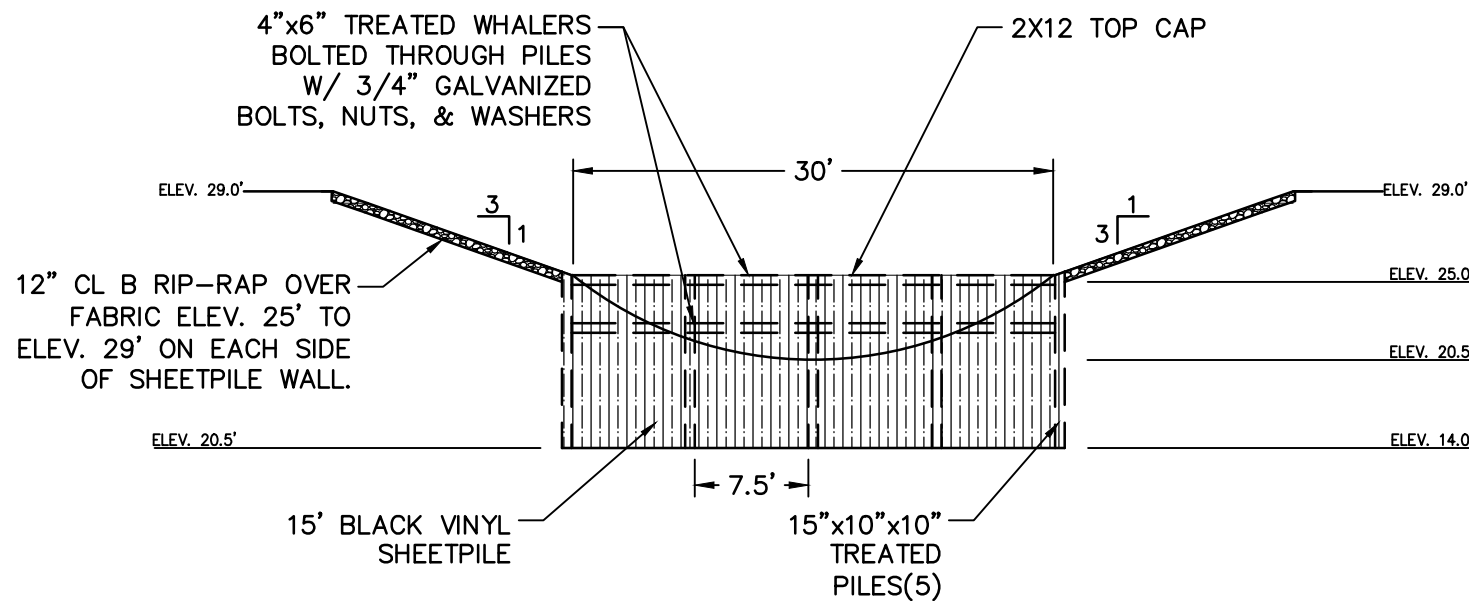
6 TYPICAL GRASS SWALE



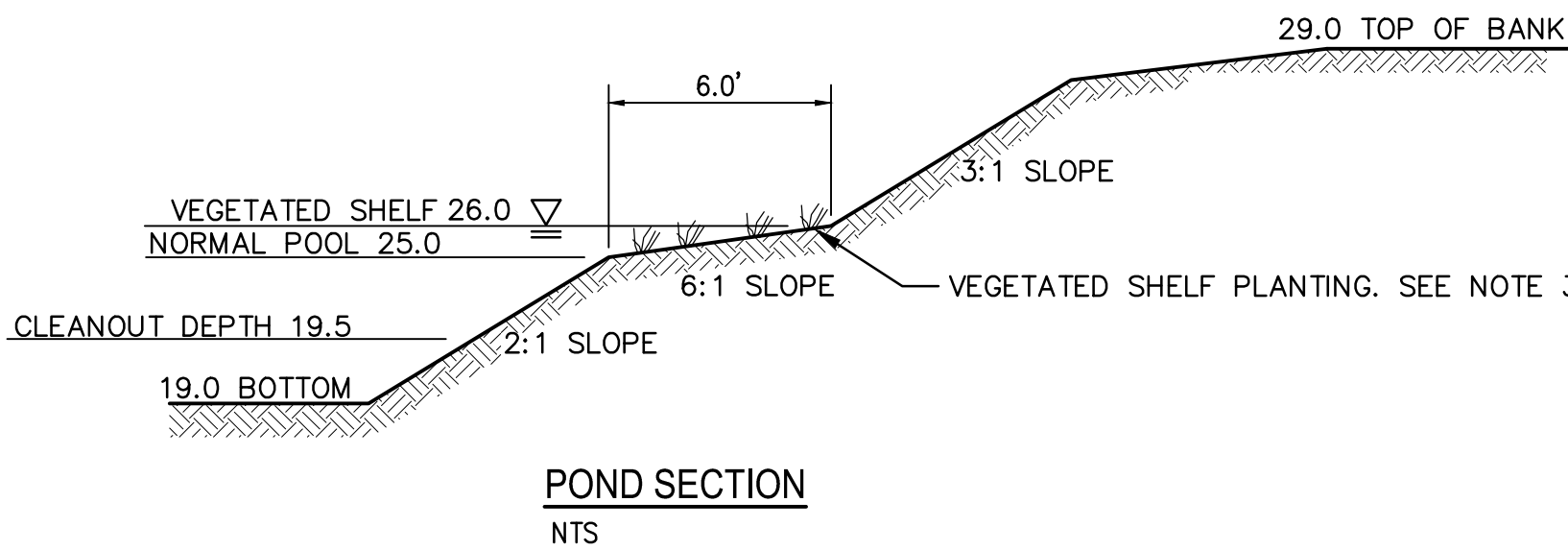
POND FOREBAY SECTION
NTS



EMERGENCY SPILLWAY DETAIL
NTS



VINYL SHEETPILE WALL SYSTEM
NTS



POND SECTION
NTS

- DETENTION POND NOTES:
1. RESTORE POND TO DESIGN SIZE AND SHAPE UPON COMPLETION OF CONSTRUCTION AND STABILIZATION OF SITE.
 2. SEED FOR SLOPES SHALL BE 20% CARPET GRASS, 24% BERMUDA, 20% TURF FESCUE, 10% CREEPING RED FESCUE, AND 24% RYE. SEED AT RATE OF 2-3 #/S PER 1000 SF.
 3. THE VEGETATED SHELF SHALL BE PLANTED WITH A COMBINATION OF THREE OF THE FOLLOWING PLANTS: (50 PLANTS/200 SF REQUIRED.)
 1. PICKERELWEED
 2. DUCK POTATO
 3. SWAMP ROSE
 4. BLUE FLAG
 5. CARDINAL FLOWER

NOT TO SCALE

7 POND DETAILS

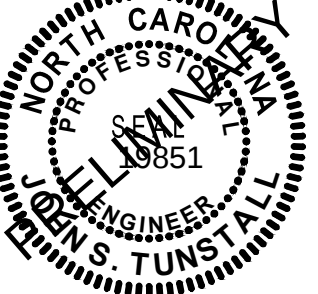
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