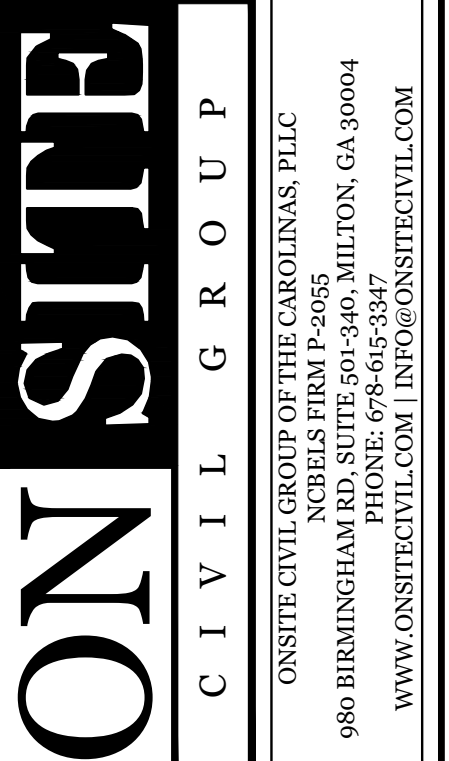


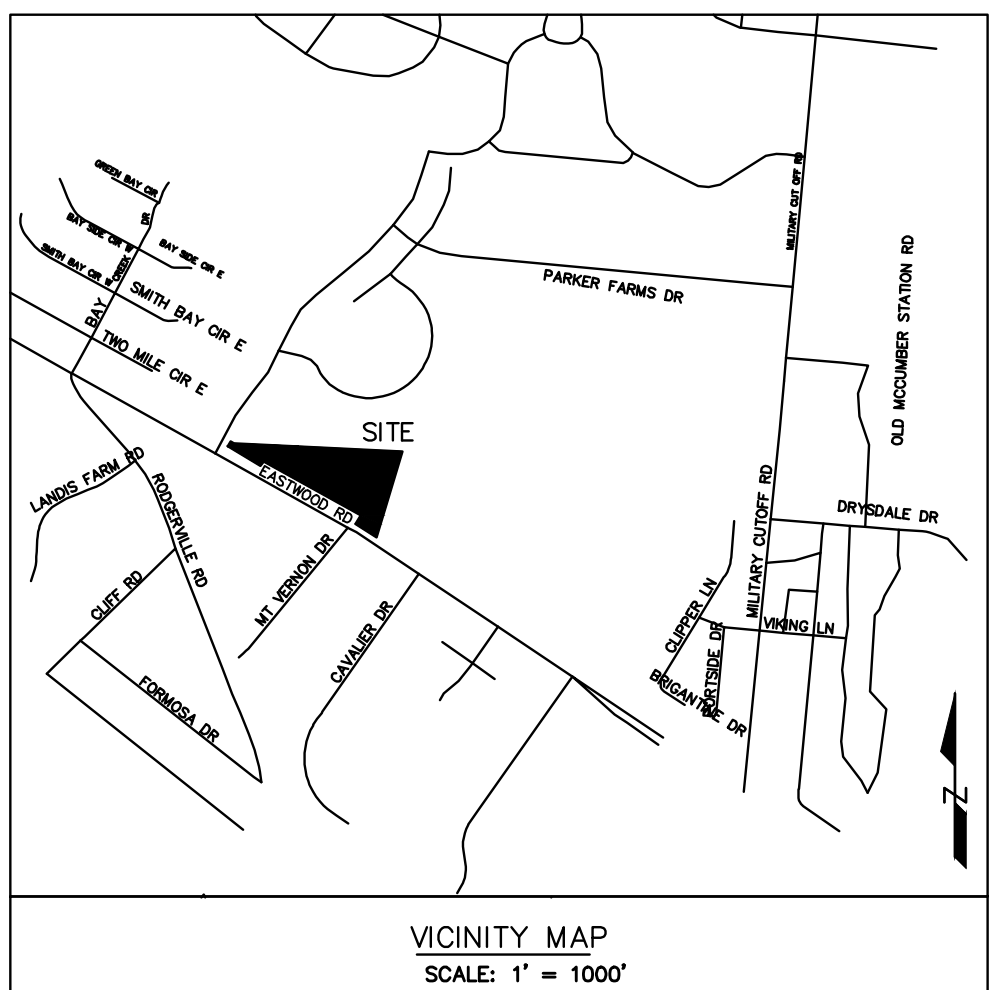
CIVIL CONSTRUCTION PLANS FOR: SPLASH N DASH MAYFAIRE 1445 EASTWOOD RD PIN # 3157-05-17-6742, DB 5963 PG 212 CITY OF WILMINGTON NEW HANOVER COUNTY, NC



THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION



PROJECT INFORMATION	
ZONING	CB (CD)
SETBACKS	FRONT 100', REAR 25', SIDE 25'
OVERALL SITE AREA	3.55 ACRES
TOTAL DISTURBED AREA	1.65 ACRES
EXISTING IMPERVIOUS AREA	0.0 ACRES
PROPOSED NEWLY FORMED IMPERVIOUS AREA	0.85 (36,993 SF) ACRES
NEW NET IMPERVIOUS AREA	0.85 (36,993 SF) ACRES
PARKING REQUIRED/ PROVIDED	1/600 REQ'D: 4,176/600=7. MAX IS 20 PER 18-528(d). PROPOSED: 11 + 21 SERVICE SPACES. ADA: 1/25 REQ'D=2; 2 ADA PROVIDED

SHEET INDEX	
C101	COVER SHEET
C201	GENERAL NOTES AND LEGEND
C301	EXISTING CONDITIONS
C302	DEMOLITION PLAN
C401-401.1	SITE PLAN
C402	TREE OVERLAY PLAN
C403-405	TURNING MOVEMENT PLAN
C501	GRADING AND DRAINAGE PLAN
C502	PROPOSED IMPERVIOUS AREA
C503	STORM DRAINAGE PLAN
C504	STORM PROFILES
C601	UTILITY PLAN
C602	UTILITY PROFILES
C701-C703	EROSION CONTROL PLANS
C704	EROSION CONTROL NOTES
C801-805	CONSTRUCTION DETAILS
C806-812	CFPUA STANDARD DETAILS
L1.0-1.1	TREE REPLACEMENT PLANS

PROJECT CONTACTS	
DEVELOPER:	SND MAYFAIRE, LLC 943 BALDWIN PARK DR, WILMINGTON, NC 28411 STEPHEN UMSTEAD 910-262-2831 STEPHEN@SPLASHNDASHONLINE.COM
OWNER:	ARENDELLE HOLDINGS, LLC 1131-B MILITARY CUTOFF RD WILMINGTON, NC 28405 CONTACT: JASON SWAIN 910-256-2211 JASON@SWAINASSOCIATES.COM
CIVIL ENGINEER:	ONSITE CIVIL GROUP, LLC (JARRETT SENKBEIL) 980 BIRMINGHAM RD, SUITE 501-340 MILTON, GA 30004 404-822-9147 JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC. 122 CINEMA DRIVE WILMINGTON, NC 28403 CONTACT: JIM CIRELLO, RLA 910-791-6707

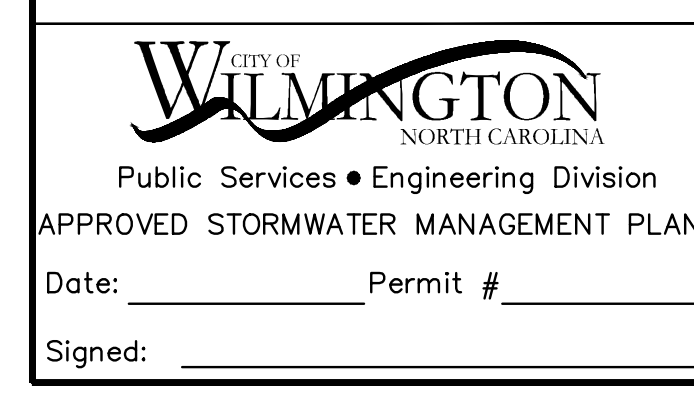
CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

COVER SHEET

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: C 101



APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning	_____	_____
Traffic	_____	_____
Fire	_____	_____

ISSUE DATES		
NUMBER	DATE	DESCRIPTION
1	11/23/20	INITIAL SUBMITTAL
2	1/25/21	TRC RESUBMITTAL
3		
4		
5		



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

CITY OF WILMINGTON GENERAL NOTES:

1. PRIOR TO ANY CLEARING, GRADING OR ANY CONSTRUCTION ACTIVITY, TREE PROTECTION FENCE WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCE.
2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
3. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF STREET NAME SIGNS.
4. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
5. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
6. ANY MISSING OR BROKEN SIDEWALK PANELS, DRIVEWAY PANELS, OR CURB PANELS WILL BE REPLACED.
7. CONTACT KAREN DIXON AT 341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
8. PROJECT WILL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REQUIREMENTS.
9. IF THE CONTRACTOR DESIRES CITY 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.
10. ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY'S CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
11. ANY BACKFLOW DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCOHR OR ASSE.

GENERAL NOTES:

1. ALL CONSTRUCTION WORK AND MATERIALS SHALL CONFORM TO NCDOT STANDARD SPECIFICATIONS AND DETAILS ASSOCIATED WITH THESE PLANS. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
2. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT ALL REQUIRED PERMITS ARE OBTAINED AND IN HAND PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. PRIOR TO INSTALLATION OF ANY UTILITY LINES, THE CONTRACTOR SHALL GIVE THE UTILITY COMPANIES THREE (3) WORKING DAYS NOTICE TO ALLOW TIME FOR EXISTING UTILITIES TO BE STAKED. BEFORE CALLING (1-800-632-4949) THE CONTRACTOR SHALL HAVE THE FOLLOWING INFORMATION READY: COUNTY, TOWN, LOCATION, NEAREST STREET INTERSECTIONS, TYPE OF WORK (SEWER, WATER PAVING, ETC.) YOUR COMPANY NAME, TELEPHONE NUMBER, OWNER'S NAME, DATE AND TIME YOU EXPECT TO COMMENCE CONSTRUCTION, AND WHERE AND HOW YOU CAN BE REACHED AND THE BEST TIME TO CONTACT YOU. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLAN OR LOCATED BY THE UTILITY COMPANY. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES, AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY VARIANCES PRIOR TO COMMENCEMENT OF WORK OR PURCHASING ANY MATERIALS.
4. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO PLAN OR ELEVATION. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE LINES FROM STREET MAINS TO ABUTTING PROPERTY WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS.
5. IT IS THE OBLIGATION OF THE CONTRACTOR TO MAKE HIS OWN INTERPRETATION OF ALL SURFACE AND SUBSURFACE DATA THAT IS AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED AND WASTED, AND/OR GRADED AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS AND SPECIFICATIONS DOES NOT IN ANY WAY GUARANTEE THE AMOUNT OR NATURE OF THE MATERIAL WHICH MAY BE ENCOUNTERED.
6. ALL STORM DRAIN PIPES SHALL BE WATER TIGHT HDPE UNLESS OTHERWISE SHOWN ON PLANS. ALL PIPE WITHIN CDOT SHALL BE RCP.
7. FILL MATERIAL SHALL BE CLEAN AND FREE OF ALL DEBRIS AND ORGANIC MATERIAL.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND FURNISHING THE BORROW MATERIAL NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT.
9. ALL EXCESS MATERIALS, IF ANY, SHALL BE HAULED OFF-SITE AND DISPOSED OF BY THE CONTRACTOR. THE OWNER SHALL HAVE THE RIGHT TO KEEP AND STOCKPILE THE MATERIAL AT A LOCATION DETERMINED BY THE OWNER IF DESIRED.
10. ALL DISTURBED EARTH AREAS, NOT DESIGNATED TO BE PAVED, SHALL BE GRASSED WITH TEMPORARY SEEDING OR PLANTED WITH PERMANENT VEGETATION
11. ALL SANITARY SEWER PIPE SHALL MEET THE REQUIREMENTS OF ASTM D-3034, SDR 35 AND HAVE A MINIMUM COVER OF 48" FROM FINISHED GRADE.
12. PRIOR TO CONNECTING TO ANY EXISTING CITY OF WILMINGTON/CAPE FEAR PUBLIC UTILITY AUTHORITY UTILITIES AND PRIOR TO DIGGING FOR ANY PROPOSED CONSTRUCTION OF CITY OF WILMINGTON/CAPE FEAR PUBLIC UTILITY AUTHORITY'S WATER MAINS, SANITARY SEWER LINES, OR STORM SEWER SYSTEMS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE DEPARTMENT HEADS A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO DIGGING.
13. ALL PERMANENT VEGETATION SHALL BE PLANTED AS SHOWN ON THE LANDSCAPE PLAN.
14. ALL PROPOSED PAVEMENT ELEVATIONS SHOWN +99.43' ARE PROPOSED GROUND OR CONCRETE SIDEWALK SPOT ELEVATIONS AND NOT TOP OF CURB ELEVATIONS UNLESS NOTED.

SURVEY NOTES:
 EXISTING CONDITIONS BASED ON A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNT ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.

CHECK INDIVIDUAL PLAN SHEETS FOR ADDITIONAL NOTES AS REQUIRED BY CITY OF WILMINGTON

STORM DRAINAGE NOTES:

1. ENGINEER:
 ONSITE CIVIL GROUP, LLC
 980 BIRMINGHAM ROAD SUITE 201-340
 MILTON, GA 30004
 PHONE: (404) 822-9147
 CONTACT: JARRETT SENKBEIL, P.E., LEED AP
2. TOTAL SITE AREA: 3.55 ACRES
 DISTURBED AREA: 1.65
 PRE-DEVELOPMENT IMPERVIOUS SITE AREA: 0.0 ACRES
 PRE-DEVELOPED IMPERVIOUS AREA TO BE REMOVED: 0.0 ACRES
 PROPOSED IMPERVIOUS AREA: 0.85 (36,993 SF) ACRES
 TOTAL POST-DEVELOPMENT IMPERVIOUS SITE AREA: 0.85 (36,993 SF) ACRES
3. ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
4. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS LOCATED WITHIN ZONE X (NOT A SPECIAL FLOOD HAZARD AREA).

SURVEY NOTES:
 PROPERTY OWNER(S): AREDELLE HOLDINGS, LLC
 ZONING: CB (CD)
 SETBACKS REQUIRED PER CODE
 FRONT: 100'
 SIDE: 25'
 REAR: 25'
 CANOPY SETBACK: 10' ALONG RW; 15' AT RESIDENTIAL

1. ALL DISTANCES ARE SURFACE HORIZONTAL DISTANCES.
2. AREA CALCULATED BY COORDINATE METHOD.
3. THIS AREA DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON FEMA MAP 3720315700K DATED 8-28-18

UTILITY NOTES:

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND THEIR ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
2. THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 24 HOURS IN ADVANCE PRIOR TO ANY ACTIVITY.
3. CONTRACTOR TO COORDINATE TYPE AND INSTALLATION OF DOMESTIC AND IRRIGATION WATER METERS, BACKFLOW PREVENTORS, AND DETECTOR CHECK VALVES WITH UTILITY COMPANY.
4. ONSITE CIVIL GROUP WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
5. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
6. A MINIMUM OF 10' HORIZONTAL SEPARATION AND 1.5' VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN SEWER LINES AND WATER LINES AT ALL TIMES. SEE SPECIFICATIONS FOR MORE DETAIL.

EROSION CONTROL NOTES:

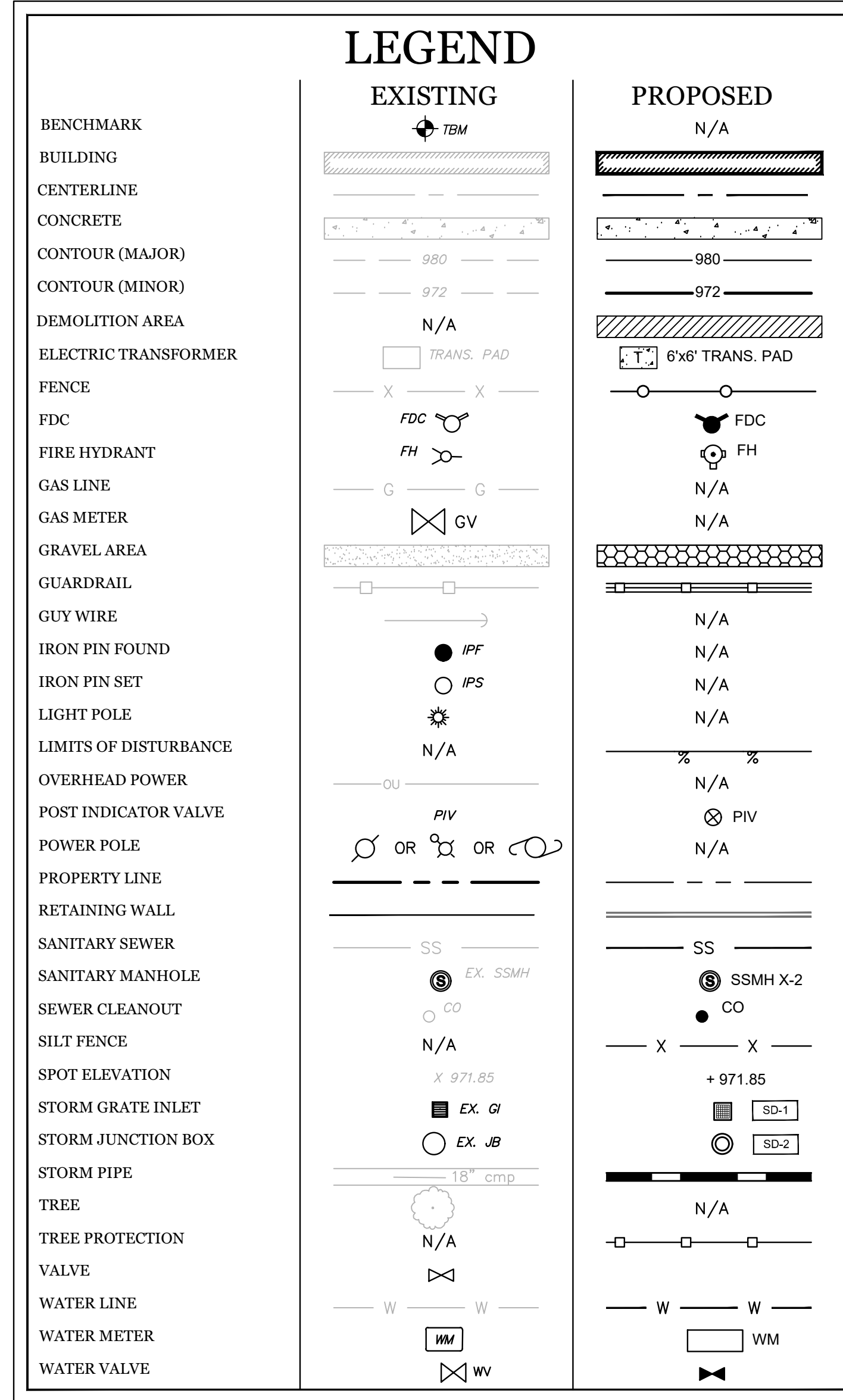
1. ALL "STD" NUMBERS REFER TO THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.
2. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
3. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
4. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
5. ALL SLOPES AND PERIMETER AREAS MUST BE SEEDED OR MULCHED WITHIN 7 CALENDAR DAYS, 14 DAYS FOR ALL OTHER AREAS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
6. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPT.
7. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
8. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
9. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE CONSTRUCTION MEETING.
10. SELF INSPECTION AND DOCUMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL EVENT AS MEASURED BY AN ON-SITE RAIN GAUGE.

BMP MAINTENANCE PLAN:

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCES OR ROADWAYS.
3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS, AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX WITH THE USE OF FIBER STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED WHEN IT BECOMES HALF FULL OF SEDIMENT. NO LONGER DRAINS AS DESIGNED, OR IS DAMAGED.
6. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE.
7. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDING AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
8. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES, AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

CONSTRUCTION SEQUENCE NOTES:

1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE CITY OF WILMINGTON ENGINEERING DEPARTMENT. OBTAIN STORMWATER AND OTHER PLAN APPROVALS FROM CITY OF WILMINGTON.
2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE CITY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. ALSO SCHEDULE A PRECON WITH THE CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF THE CITY CODE AND IS SUBJECT TO FINE.
3. INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
6. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
7. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
9. DETENTION WILL BE CLEANED OUT WHEN SITE WORK AND PAVING ARE COMPLETED AND A FINAL PERMANENT GROUND COVER IS ESTABLISHED.
10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT OF AGRICULTURE, CITY OF WILMINGTON EROSION CONTROL ORDINANCE, AND THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.



AC	ACRES	IN	INCHES
AGGR	AGGREGATE	IPF	IRON PIN FOUND
ASPH	ASPHALT	IPS	IRON PIN SET
CB	CATCH BASIN	JB	JUNCTION BOX
CL	CENTERLINE	LF	LINEAR FEET
CF	CUBIC FEET	LP	LIGHT POLE
CO	CLEAN OUT	MIN	MINIMUM
CONC	CONCRETE	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	N/A	NOT APPLICABLE
DBH	DIAMETER AT BREST HEIGHT	N/F	NOW OR FORMERLY
DE	DRAINAGE EASEMENT	NTS	NOT TO SCALE
DIA	DIAMETER	OD	OUTSIDE DIAMETER
DI	DROP INLET	OHPL	OVERHEAD POWER LINE
DIP	DUCTILE IRON PIPE	PIV	POST INDICATOR VALVE
DWCB	DOUBLE WING CATCH BASIN	PVC	POLY VINYL CHLORIDE
E	ELECTRICAL	R	RADIUS
ELEV	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EXIST	EXISTING	R/W	RIGHT OF WAY
FES	FLARED END SECTION	REQ'D	REQUIRED
FFE	FINISHED FLOOR ELEVATION	SSE	SANITARY SEWER EASEMENT
FH	FIRE HYDRANT	SSMH	SANITARY SEWER MANHOLE
G	NATURAL GAS	S/W	SIDEWALK
GI	GRATE INLET	SWCB	PROPOSED
GV	GAS VALVE	T	TELEPHONE
GM	GAS METER	TW	TOP OF WALL ELEVATION
HW	HEADWALL	TYP	TYPICAL
ID	INSIDE DIAMETER	UGPL	UNDERGROUND POWER LINE
IE	INVERT ELEVATION	W	DOMESTIC WATER

Public Services • Engineering Division

APPROVED CONSTRUCTION PLAN

 APPROVED STORMWATER MANAGEMENT PLAN

 Date: _____ Permit # _____

 Signed: _____

Name	Date
Planning	_____
Traffic	_____
Fire	_____

ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-24035
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 TEL: (404) 822-9147 FAX: (404) 822-9149
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

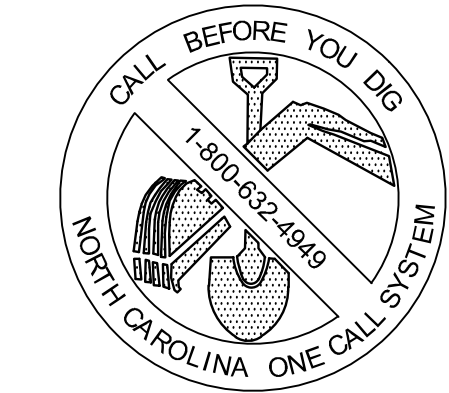
1-25-21

No.	DATE	DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

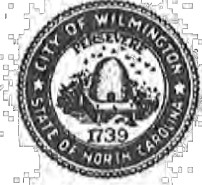
DATE:	JANUARY 25, 2021
PROJECT:	19-050
SHEET:	C 201



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

Ordinance



City Council
City of Wilmington
North Carolina

Introduced By: Sterling B. Cheatham, City Manager

Date: 6/16/2020

Ordinance Amending the Official Zoning Map of the City to Rezone Property Containing 3.53 Acres of Land Located at 1445 Eastwood Road, From CB (CD), Community Business (Conditional District) to CB(CD), Community Business (Conditional District) for 4,375 Square Feet of Automotive Service (Carwash) (CD-16-520)

LEGISLATIVE INTENT/PURPOSE:

WHEREAS, NCGS Section 160A-385 authorizes local governments to change or modify zoning boundaries within their jurisdiction; and

WHEREAS, the amendment set out below is made in accordance with NCGS Section 160A-364 and Article 3, Section 18-117 of the Land Development Code.

THEREFORE, BE IT ORDAINED:

SECTION 1: The Official Zoning Maps of the City of Wilmington are hereby amended by removing the hereinafter described tract of land from the present CB(CD), Community Business (Conditional District) and putting it in the CB(CD), Community Business (Conditional District) classification, said tract being more particularly described as follows:

Being part of that parcel or tract of land conveyed to Arendelle Holdings LLC in Deed Book 5963 at Page 212 and as lot 2 on Map Book 61 at Page 224, located to the northwest of the intersection of Eastwood Road and Cavalier Drive in the City of Wilmington, New Hanover County, North Carolina; said parcel being more particularly described as follows:

Beginning at an iron rod found on the northerly right-of-way of Eastwood Road (variable width public right-of-way) being the southwestern corner of Lot 1 as shown on Map Book 62 at Page 224;

Thence with said right-of-way North 59 degrees 24 minutes 44 seconds West a distance of 347.69 feet from an existing iron rebar with North Carolina State Grid (NAD 82(2011)) coordinates N: 177,621.89, E: 2,351,470.54;

Thence continuing with said right of way the following two (2) courses and distance:

PH1-2

CERTIFIED TO BE A TRUE COPY
Penelope Spicer-Sidbury
CITY CLERK

With a curve Turning to the Left with Arc Length of 180.86 feet. With a radius of 13,098.99 feet. With a Chord Bearing of North 60 degrees 29 minutes 19 seconds West, with a chord length of 180.86 feet to an iron rod found.
North 60 degrees 41 minutes 51 seconds West a distance of 129.69 feet to a disturbed iron pipe found along the eastern boundary of the lands of Mayfaire, LLC in Deed Book 3968 at Page 972 and Map Book 44 at Page 59;

Thence leaving said right of way and with the lands of Mayfaire, LLC North 29 degrees 15 minutes 56 seconds East a Distance of 63.49 feet to a disturbed iron pipe found along the southern boundary of the lands of The Reserve at Mayfaire, LLC in Deed book 4119 at Page 72 and Map Book 45 at Page 79;

Thence along said southern boundary of said lands of The Reserve at Mayfaire the following two (2) courses and distances:

South 50 degrees 40 minutes 04 seconds East a Distance of 23.40 feet to an iron pipe found;

North 88 degrees 07 minutes 41 seconds East a Distance of 616.25 feet to an iron rod found at the northwestern corner of lot 1 in Map Book 61 at Page 224;

Thence along the western boundary of lot 1 in said Map Book 61 at Page 224 the following two (2) courses and distances:

South 00 degrees 52 minutes 54 seconds West a Distance of 367.52 feet to an iron rod found;

South 75 degrees 48 minutes 11 seconds West a Distance of 92.53 feet to an iron rod found which is the point of Beginning.

Containing 154,781 +/- square feet or 3.553 acres, more or less.

SECTION 2: The following rules, regulations, and conditions shall apply to the property described in this ordinance:

- The use and development of the subject property shall comply with all regulations and requirements imposed by the Land Development Code, the City of Wilmington Technical Standards and Specifications Manual and any other applicable federal, state or local law, ordinance or regulation, as well as any condition stated below. In the event of a conflict, the more stringent requirement or higher standard shall apply.
- Approval of this conditional district rezoning does not constitute technical approval of the site plan. Final approval by the Technical Review Committee and the issuance of all required permits must occur prior to release of the project for construction.
- If, for any reason, any condition for approval is found to be illegal or invalid or if the applicant should fail to accept any condition following approval, the approval of the site plan for the district shall be null and void and of no effect and proceedings shall be instituted to rezone the property to its previous zoning classification.

PH1-3

- The use and development of the subject property shall be in accordance with the site plan as submitted and approved by City Council.
- The proposed uses shall be limited to a car wash and accessory vacuum area with associated parking and landscaping.
- Two vehicular connections shall be provided to the adjacent commercial property to the east as detailed on the site plan.
- Pedestrian network shall connect from the proposed sidewalk along Eastwood Road to the adjoining shopping center to the east.
- Strict adherence to the design standards will be confirmed as part of the technical review.
- Exterior lighting shall be installed so as not to shine directly onto adjacent residential parcels.
- Any freestanding sign(s) on the site shall be a maximum of 6 feet in height, monument style with landscaping around the base of the sign; no pole signs shall be permitted.
- The creative standard shall not be used to satisfy the street yard landscaping requirements.
- No tree removal outside of essential site improvements, only clearing of underbrush.
- All City, State and Federal regulations shall be met.

SECTION 3: The City Clerk and the Planning Director are hereby authorized and directed under the supervision of the City Manager to change the Zoning Maps on file in the office of the City Clerk and the Planning Division, to conform with this ordinance.

SECTION 4: That any person violating the provisions of this ordinance, including the approved site plan, shall be subject to the penalties set forth in Section 18-52 of the Land Development Code.

SECTION 5: All ordinances or parts of ordinances in conflict with this ordinance are hereby repealed to the extent of such conflict.

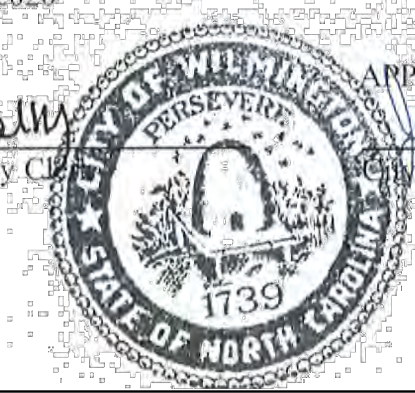
SECTION 6: If any section, subsection, paragraph, sentence, clause, phrase or portion of this ordinance is for any reason held invalid or unconstitutional by any court of competent jurisdiction, such portion shall be deemed severable and such holding shall not affect the validity of the remaining portions hereof.

SECTION 7: That this ordinance shall be effective upon its adoption by City Council, and the City's receipt of written acceptance by the Applicant of all conditions adopted by the City.

Adopted at a special meeting
on June 23, 2020

Bill Saffo
Bill Saffo, Mayor

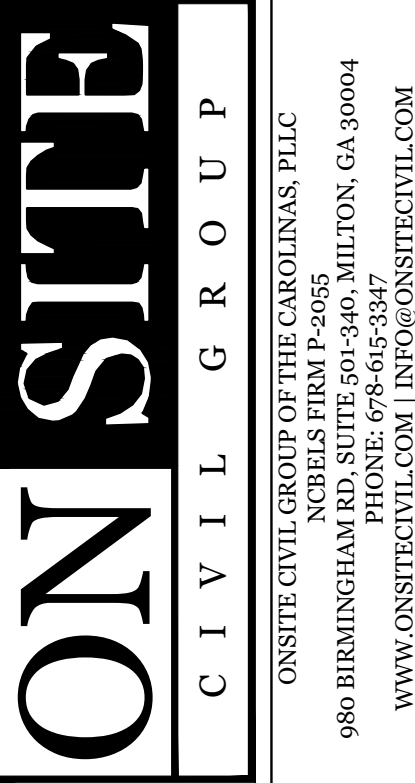
Penelope Spicer-Sidbury
Penelope Spicer-Sidbury, City Clerk



APPROVED AS TO FORM:

[Signature]
City Attorney

PH1-4



THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

ZONING CONDITIONS

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: C 202

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	_____
Traffic	_____
Fire	_____

Date: _____ Permit # _____
Signed: _____



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

LEGEND:

- IFF IRON PIPE FOUND
- IRF IRON ROD FOUND
- IRON ROD SET
- CWF CONCRETE MONUMENT FOUND
- PKF PK NAIL FOUND
- PKS PK NAIL SET
- ESMT LINE
- ADJOINER PROPERTY LINE
- SETBACK LINE
- 100-YR FLOOD ZONE LINE
- R.O.W. LINE
- PARCEL/BOUNDARY LINE
- EXISTING CONTOUR
- STORM DRAIN
- C&G CURB & GUTTER
- CLEANOUT
- DROP INLET
- DRAINAGE MANHOLE
- CURB INLET
- LIGHT POLE
- GW GUY WIRE
- FIBER POST
- TELEPHONE MANHOLE
- CEDAR
- CHERRY
- GRAPE
- DOGWOOD
- BIRCHORY
- HOLLY
- OAK
- MAGNOLIA
- MAPLE
- MIMOSA
- PECAN
- PINE
- POPLAR
- SYCAMORE
- HARDWOOD
- S SIGNIFICANT



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

SURVEY NOTE:
 EXISTING CONDITIONS BASED ON A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNT ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD83. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS ARE RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.

ONSITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCHELS FIRM P-2655
 980 BIRMINGHAM RD, SUITE 501-540, MILTON, GA 30004
 PHONE: 678-985-3344
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1" = 40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPLASHDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

EXISTING CONDITIONS

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: **C 301**

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	13088.99'	N 60°23'19" W	180.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 60°40'04" E	23.40'
L2	N 59°24'44" W	3.53'



N/F ROY A SHIRLEY K ASHLEY
 DB 5947 PG 2140
 PIN# 3157-05-07-9673
 ZONING: R-15
 LAND USE: SINGLE FAMILY

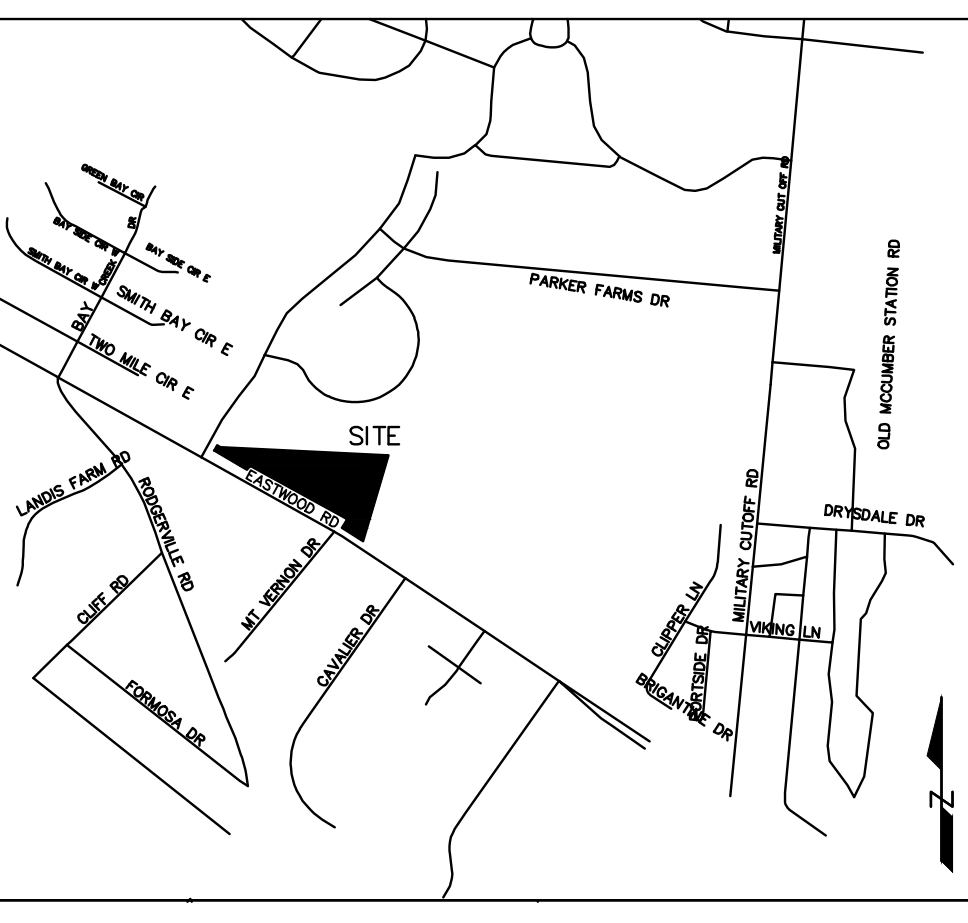
N/F WILLIAM III NINA PELON
 DB 5939 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F JAMES D BULLARD II
 DB 6228 PG 628
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F ANN W BECK HEIRS
 DB 4666 PG 556
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY



CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
 Signed: _____

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

SURVEY NOTE:
 EXISTING CONDITIONS BASED ON A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNT ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD83. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS ARE RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.

ONSITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELLS FIRM P-20655
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 WWW.ONSITECTH.COM | INFO@ONSITECTH.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1" = 40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

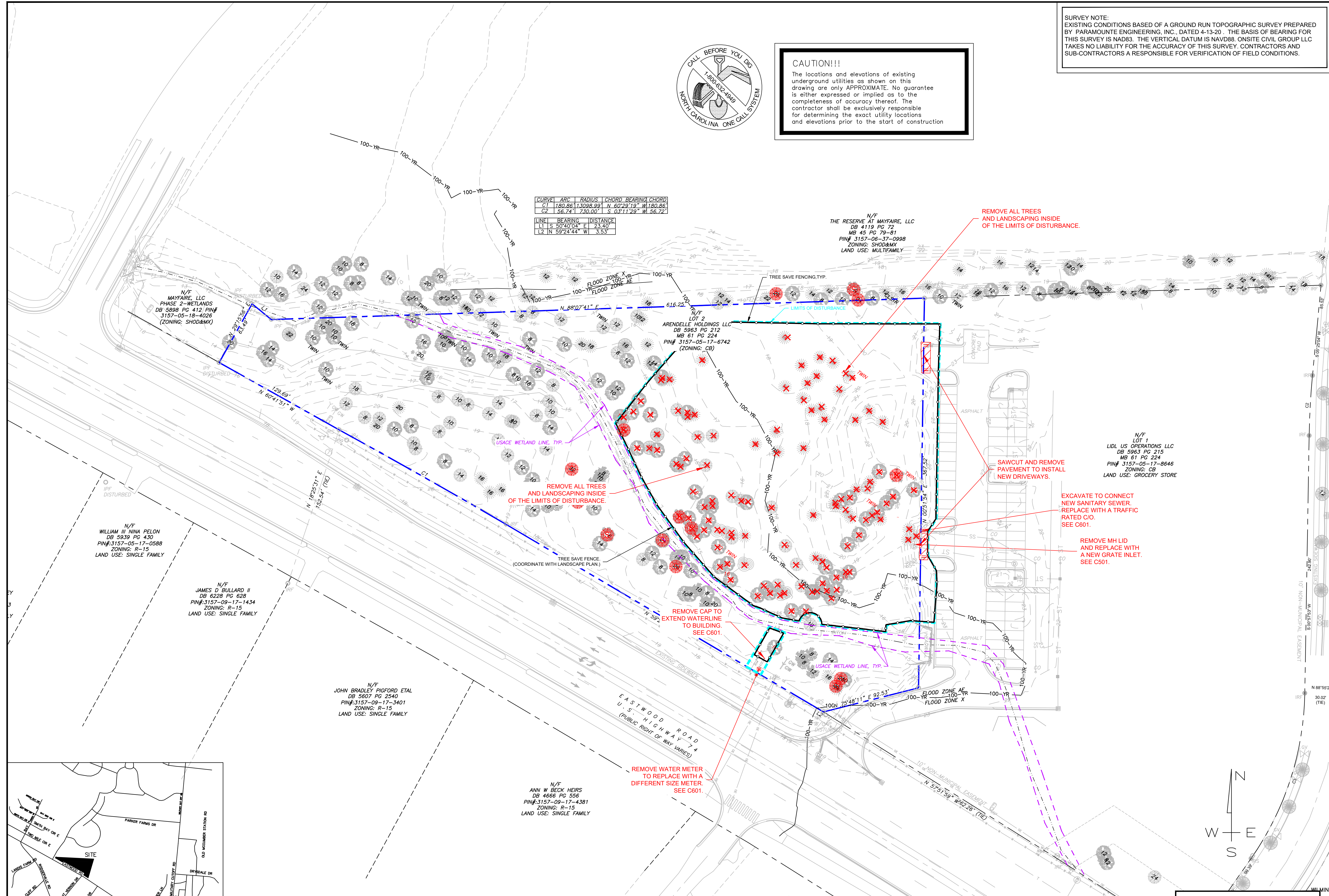
DEMOLITION PLAN

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: C 302

CURVE	ARC	RADIUS	CHORD	BEARING	CHORD
CT	180.86'	13098.99'	N 60°29'19" W	180.86'	13098.99'
C2	56.74'	730.00'	S 03°11'29" W	56.72'	730.00'

LINE	BEARING	DISTANCE
L1	S 80°40'04" E	23.40'
L2	N 59°24'44" W	3.53'



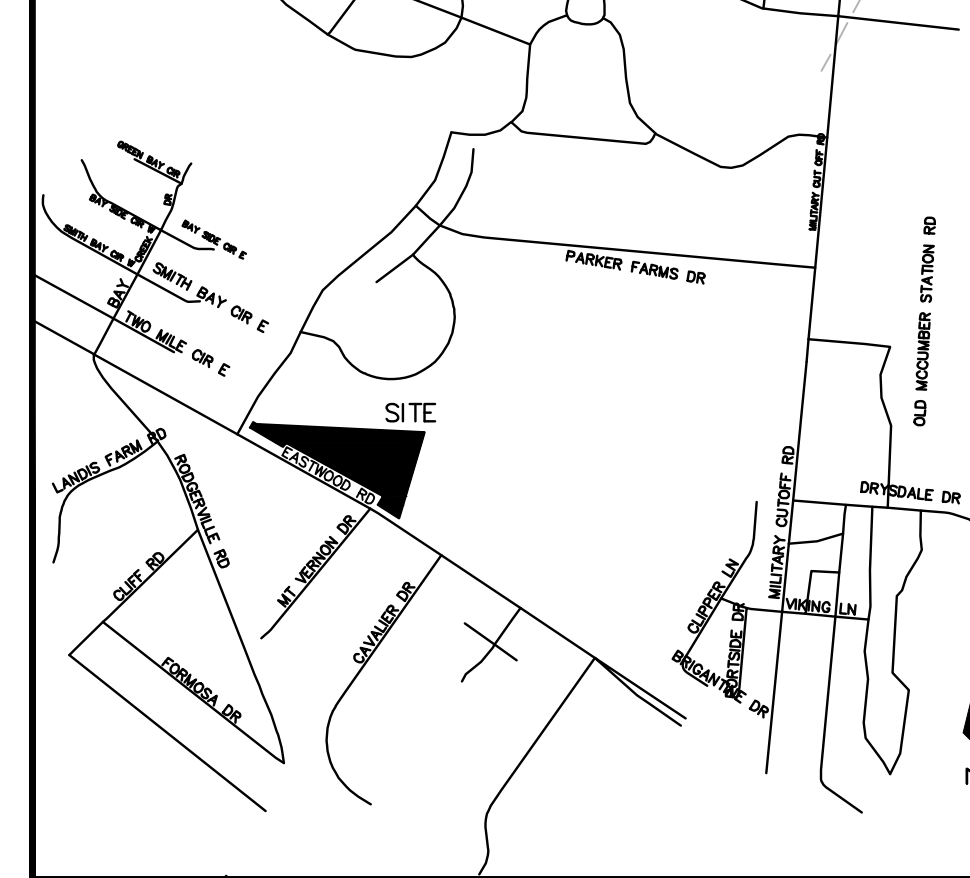
N/F
 WILLIAM III NINA PELON
 DB 5839 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JAMES D BULLARD II
 DB 6228 PG 628
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 ANN W BECK HEIRS
 DB 4666 PG 586
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY



APPROVED CONSTRUCTION PLAN

Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

Planning	Traffic	Fire

Date: _____ Permit # _____
 Signed: _____

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

- SITE PLAN NOTES:**
1. PARCEL ID: R05600-001-007-000
 2. PARCEL OWNERSHIP: ARENDALE HOLDINGS, LLC, WILMINGTON, NC 28404 CONTACT: JASON SWAIN
 3. CURRENT ZONING: CB(CD), PROPOSED ZONING: N/A
 4. PROPOSED USE(S)-SQUARE FOOTAGE(S) OF USE(S): 4,176 SF CARWASH BUILDING
 5. NUMBER OF UNITS/BEDROOMS: 1 UNIT/BLDG.
 6. BUILDING CONSTRUCTION TYPE: COMMERCIAL, TYPE II-B
 7. BUILDING LOT COVERAGE PERCENTAGE: 4,176 / 154,638 = 2.7%
 8. BUILDING HEIGHT/# OF STORIES: 24'-7" / 1 STORY
 9. BUILDING SETBACKS: REQUIRED (PROPOSED): FRONT=100' (101.5'), SIDE=25' (55.6'), REAR=29' (82.4'), MAXIMUM HEIGHT=35' CANOPY SETBACKS FOR CB ZONING: 10' FROM STREET R/W AND 15' FROM ANY RESIDENTIAL P/L
 10. PARKING SPACES REQUIRED (MIN./PROPOSED): REQUIRED=>4,176/600= 7 SPACES, PROPOSED=11 PARKING SPACES + 21 SERVICE SPACES PARKING MAX ALLOWED IS 20 PER 18-528(d).
 11. IMPERVIOUS COVERAGE-EXISTING/PROPOSED: EXISTING=0SF, PROPOSED=36,993 SF; 36,993 / 154,668 = 23.9%
 12. AMOUNT (SQ FT) OF DISTURBED AREA: 72,142 SF DISTURBED OR 1.66 ACRES DISTURBED
 13. ESTIMATED TRIP GENERATION: 470 VPD (OVER 24 HOUR WEEKDAY), 47 TOTAL TRIPS WILL OCCUR DURING THE WEEKDAY PM PEAK HOUR.
 14. CAMA MAP CLASSIFICATION: WATERSHED RESOURCES PROTECTION AREA, CONSERVATION AREA (BRADLEY CREEK WATERSHED)
 15. ALL NON VACUUM SPACES ARE 9' WIDE
ALL VACUUM SPACES ARE 12' WIDE
ALL BUG PREP SPACES ARE 12' WIDE.
 16. SOLID WASTE WILL MANAGED WITH AN ON-SITE DUMPSTER ENCLOSURE SHOWN ON THE SITE PLAN.

- SEC. 18-254. - AUTOMOTIVE SERVICES AND AUTOMOTIVE REPAIR, EXCEPT TOWING**
AUTOMOTIVE SERVICES AND REPAIRS SHALL COMPLY WITH THE FOLLOWING:
- A. ALL REPAIR WORK OR LUBRICATION SHALL BE CONDUCTED WITHIN THE PRINCIPAL BUILDING. ALL PERMANENT STORAGE OF MATERIALS, MERCHANDISE, OR REPAIR AND SERVICING EQUIPMENT SHALL BE CONTAINED WITHIN THE PRINCIPAL BUILDING.
 - B. NO OPERATOR SHALL PERMIT THE STORAGE OF MOTOR VEHICLES FOR A PERIOD IN EXCESS OF TWENTY-FOUR (24) HOURS UNLESS THE VEHICLES ARE ENCLOSED IN THE PRINCIPAL BUILDING.
 - C. SERVICE OR CUSTOMER VEHICLES SHALL BE PARKED ON THE PREMISES IN A MANNER THAT WILL NOT CREATE TRAFFIC HAZARDS OR INTERFERE WITH THE VEHICULAR MANEUVERING AREA NECESSARY TO ENTER OR EXIT THE SITE.
 - D. THE PREMISES SHALL NOT BE USED FOR THE SALE OF VEHICLES.
 - E. NO OUTDOOR WORK SHALL BE PERFORMED EXCEPT IN AREAS DESIGNATED FOR SUCH ACTIVITY ON AN APPROVED SITE PLAN.
 - F. OUTDOOR WORK AREAS SHALL BE FENCED, WALLED OR SCREENED TO MINIMIZE ON-SITE AND OFF-SITE NOISE, GLARE, ODOR OR OTHER IMPACTS.
 - G. ADDITIONAL BUFFERING AND SCREENING MAY BE REQUIRED WHERE SUCH USE IS LOCATED IN CLOSE PROXIMITY TO RESIDENTIAL OR RETAIL COMMERCIAL USES.

SURVEY NOTE:
EXISTING CONDITIONS BASED OF A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNTE ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,309.89'	N 60°29'19" W	1160.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

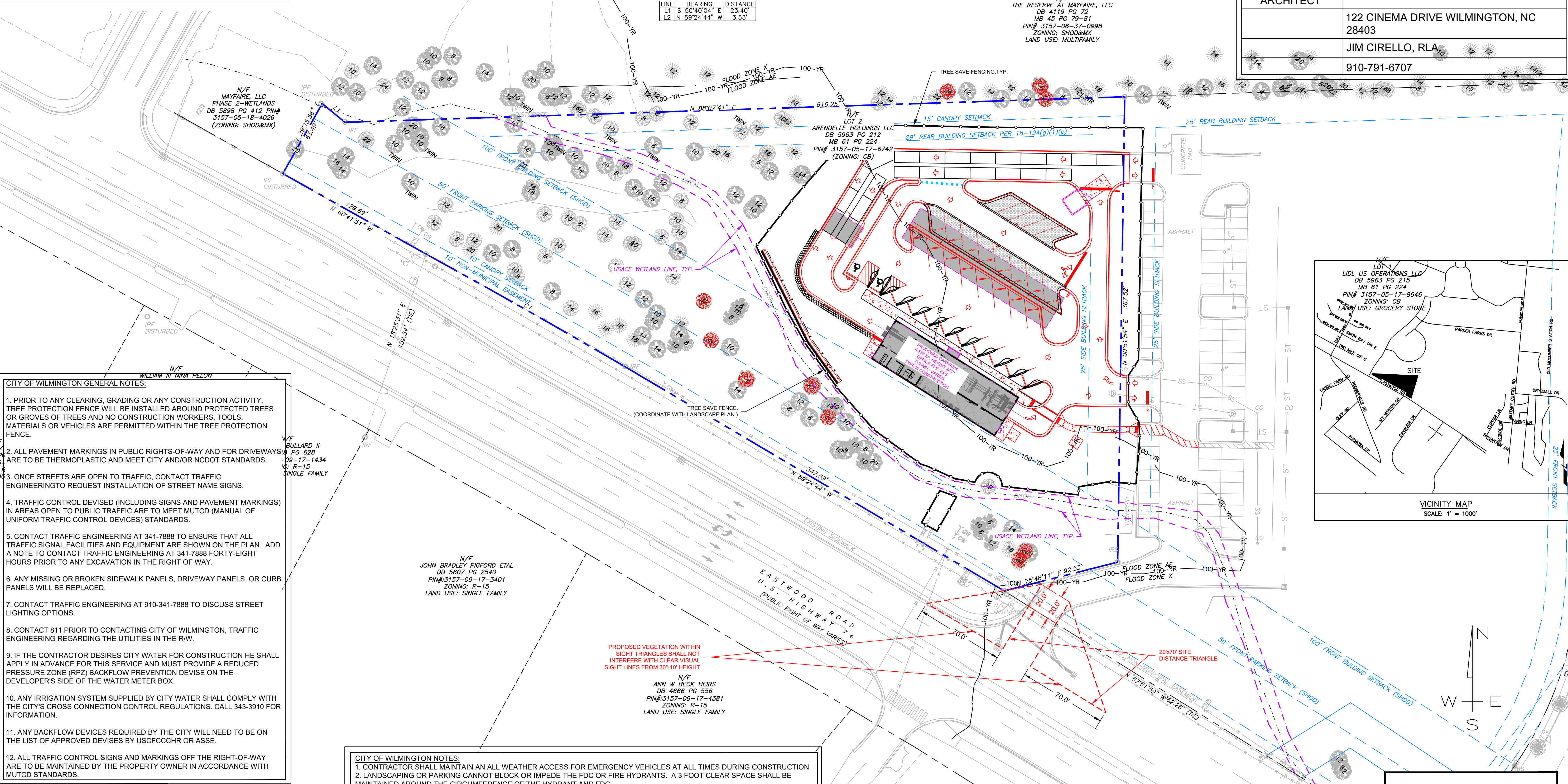
LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.53'

PROJECT CONTACTS

DEVELOPER:	SND MAYFAIRE, LLC
	943 BALDWIN PARK DR, WILMINGTON, NC 28411
	STEPHEN UMSTEAD
	910-262-2831 STEPHEN@SPLASHNDASHONLINE.COM
CIVIL ENGINEER	ONSITE CIVIL GROUP, LLC
	980 BIRMINGHAM RD, SUITE 501-340
	MILTON, GA
	404-822-9147, JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC.
	122 CINEMA DRIVE WILMINGTON, NC 28403
	JIM CIRELLO, RLA
	910-791-6707

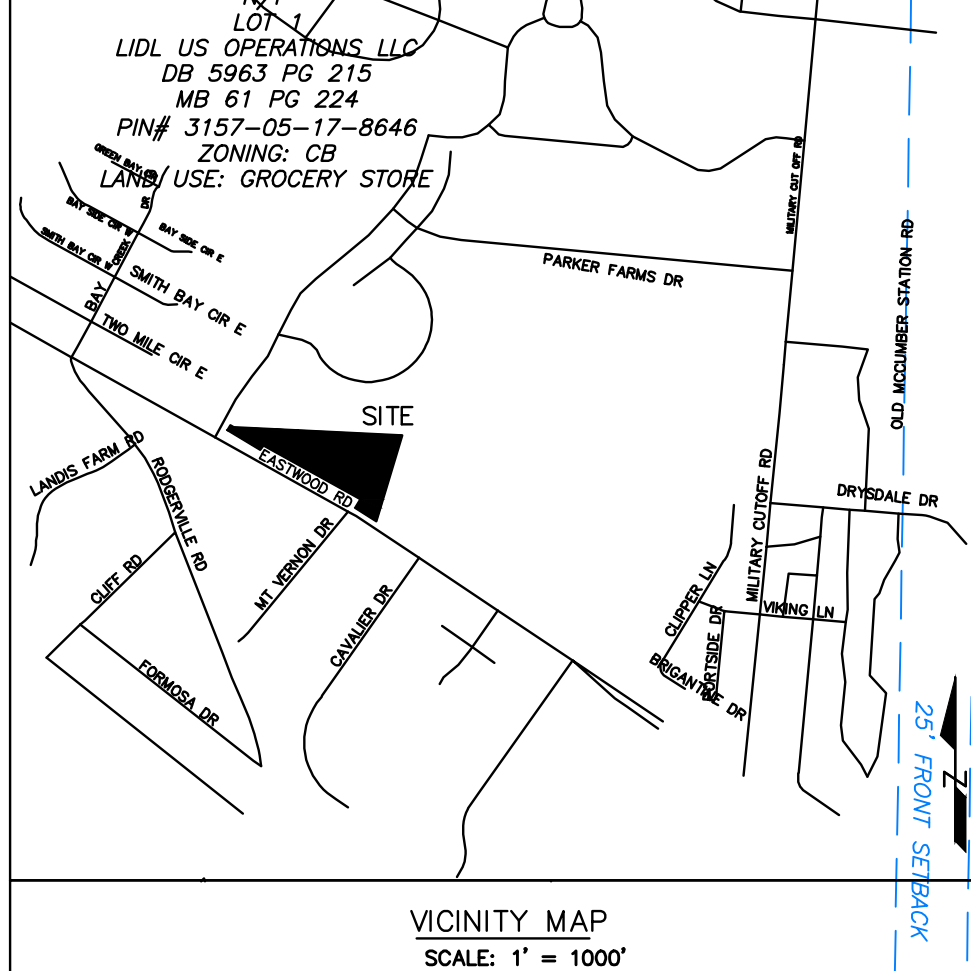
ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCHRS FIRM P-2635
980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
PHONE: 404-822-9147
WWW.ONSITECIVIL.COM | INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.



- CITY OF WILMINGTON GENERAL NOTES:**
1. PRIOR TO ANY CLEARING, GRADING OR ANY CONSTRUCTION ACTIVITY, TREE PROTECTION FENCE WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCE.
 2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 3. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF STREET NAME SIGNS.
 4. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 5. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 6. ANY MISSING OR BROKEN SIDEWALK PANELS, DRIVEWAY PANELS, OR CURB PANELS WILL BE REPLACED.
 7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
 8. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN THE R/W.
 9. IF THE CONTRACTOR DESIRES CITY 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.
 10. ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY'S CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
 11. ANY BACKFLOW DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USFCOCHR OR ASSE.
 12. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.

- CITY OF WILMINGTON NOTES:**
1. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
 2. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3 FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC
 3. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
 4. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE.
 5. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
 6. 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 WITHIN THE TREE PROTECTION FENCING.
 7. SIGN PERMIT WILL BE OBTAINED THROUGH ZONING AS PART OF A SEPARATE PROCESS



REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

CITY OF WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
Signed: _____

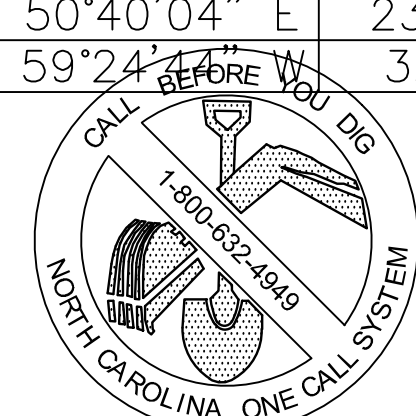
OVERALL SITE PLAN

DATE: JANUARY 25, 2021
PROJECT: 19-050
SHEET: C 401

SITE PLAN NOTES:

1. PARCEL ID: R05600-001-007-000
2. PARCEL OWNERSHIP: ARENDALLE HOLDINGS, LLC, WILMINGTON, NC 28404
CONTACT: JASON SWAIN
3. CURRENT ZONING: CB(CD), PROPOSED ZONING: N/A
4. PROPOSED USE(S)-SQUARE FOOTAGE(S) OF USE(S): 4,176 SF CARWASH BUILDING
5. NUMBER OF UNITS/BEDROOMS: 1 UNIT/BLDG.
6. BUILDING CONSTRUCTION TYPE: COMMERCIAL, TYPE II-B
7. BUILDING LOT COVERAGE PERCENTAGE: 4,176 / 154,638 = 2.7%
8. BUILDING HEIGHT/# OF STORIES: 24'7" / 1 STORY
9. BUILDING SETBACKS, REQUIRED (PROPOSED): FRONT=100' (101.5'), SIDE=25' (55.6'), REAR=29' (82.4'), MAXIMUM HEIGHT=35'
10. CANOPY SETBACKS FOR CB ZONING: 10' FROM STREET R/W AND 15' FROM ANY RESIDENTIAL P/L
11. PARKING SPACES REQUIRED (MIN.)/PROPOSED/REQUIRED=>4,176/600=7 SPACES, PROPOSED=11 PARKING SPACES + 21 SERVICE SPACES
PARKING MAX ALLOWED IS 20 PER 18-528(d)
12. IMPERVIOUS COVERAGE EXISTING/PROPOSED: EXISTING=0SF, PROPOSED=36,993 SF, 36,993 / 154,668 = 23.9%
13. AMOUNT (SQ FTY) OF DISTURBED AREA: 72,142 SF DISTURBED OR 1.66 ACRES DISTURBED
14. ESTIMATED TRIP GENERATION: 470 VPD (OVER 24 HOUR WEEKDAY), 47 TOTAL TRIPS WILL OCCUR DURING THE WEEKDAY PM PEAK HOUR.
15. CAMA MAP CLASSIFICATION: WATERSHED RESOURCES PROTECTION AREA, CONSERVATION AREA (BRADLEY CREEK WATERSHED)
16. ALL NON VACUUM SPACES ARE 9' WIDE
ALL VACUUM SPACES ARE 12' WIDE
ALL BUG PREP SPACES ARE 12' WIDE
SOLID WASTE WILL BE MANAGED WITH AN ON-SITE DUMPSTER ENCLOSURE SHOWN ON THE SITE PLAN.

L1 S 50°40'04" E 23.40'
L2 N 59°24'44" W 3.53'



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness or accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

SURVEY NOTE:
EXISTING CONDITIONS BASED ON A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNT ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS ARE RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.

DB 4119 PG 72
MB 45 PG 79-81
PIN# 3157-06-37-0998
ZONING: SHOD&MX
LAND USE: MULTIFAMILY

SEC. 18-254 - AUTOMOTIVE SERVICES AND AUTOMOTIVE REPAIR, EXCEPT TOWING.
AUTOMOTIVE SERVICES AND REPAIRS SHALL COMPLY WITH THE FOLLOWING:
A. ALL REPAIR WORK OR LUBRICATION SHALL BE CONDUCTED WITHIN THE PRINCIPAL BUILDING. ALL PERMANENT STORAGE OF MATERIALS, MERCHANDISE, OR REPAIR AND SERVICING EQUIPMENT SHALL BE CONTAINED WITHIN THE PRINCIPAL BUILDING.
B. NO OPERATOR SHALL PERMIT THE STORAGE OF MOTOR VEHICLES FOR A PERIOD IN EXCESS OF TWENTY-FOUR (24) HOURS UNLESS THE VEHICLES ARE ENCLOSED IN THE PRINCIPAL BUILDING.
C. SERVICE OR CUSTOMER VEHICLES SHALL BE PARKED ON THE PREMISES IN A MANNER THAT WILL NOT CREATE TRAFFIC HAZARDS OR INTERFERE WITH THE VEHICULAR MANEUVERING AREA NECESSARY TO ENTER OR EXIT THE SITE.
D. THE PREMISES SHALL NOT BE USED FOR THE SALE OF VEHICLES.
E. NO OUTDOOR WORK SHALL BE PERFORMED EXCEPT IN AREAS DESIGNATED FOR SUCH ACTIVITY ON AN APPROVED SITE PLAN.
F. OUTDOOR WORK AREAS SHALL BE FENCED, WALLED OR SCREENED TO MINIMIZE ON-SITE AND OFF-SITE NOISE, GLARE, ODOR OR OTHER IMPACTS.
G. ADDITIONAL BUFFERING AND SCREENING MAY BE REQUIRED WHERE SUCH USE IS LOCATED IN CLOSE PROXIMITY TO RESIDENTIAL OR RETAIL COMMERCIAL USES.

CITY OF WILMINGTON GENERAL NOTES:

1. PRIOR TO ANY CLEARING, GRADING OR ANY CONSTRUCTION ACTIVITY, TREE PROTECTION FENCE WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCE.
2. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
3. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF STREET NAME SIGNS.
4. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
5. CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
6. ANY MISSING OR BROKEN SIDEWALK PANELS, DRIVEWAY PANELS, OR CURB PANELS WILL BE REPLACED.
7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
8. PROJECT WILL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REQUIREMENTS.
9. IF THE CONTRACTOR DESIRES CITY WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICES ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
10. ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY'S CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
11. ANY BACKFLOW DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCOCHR OR ASSE.

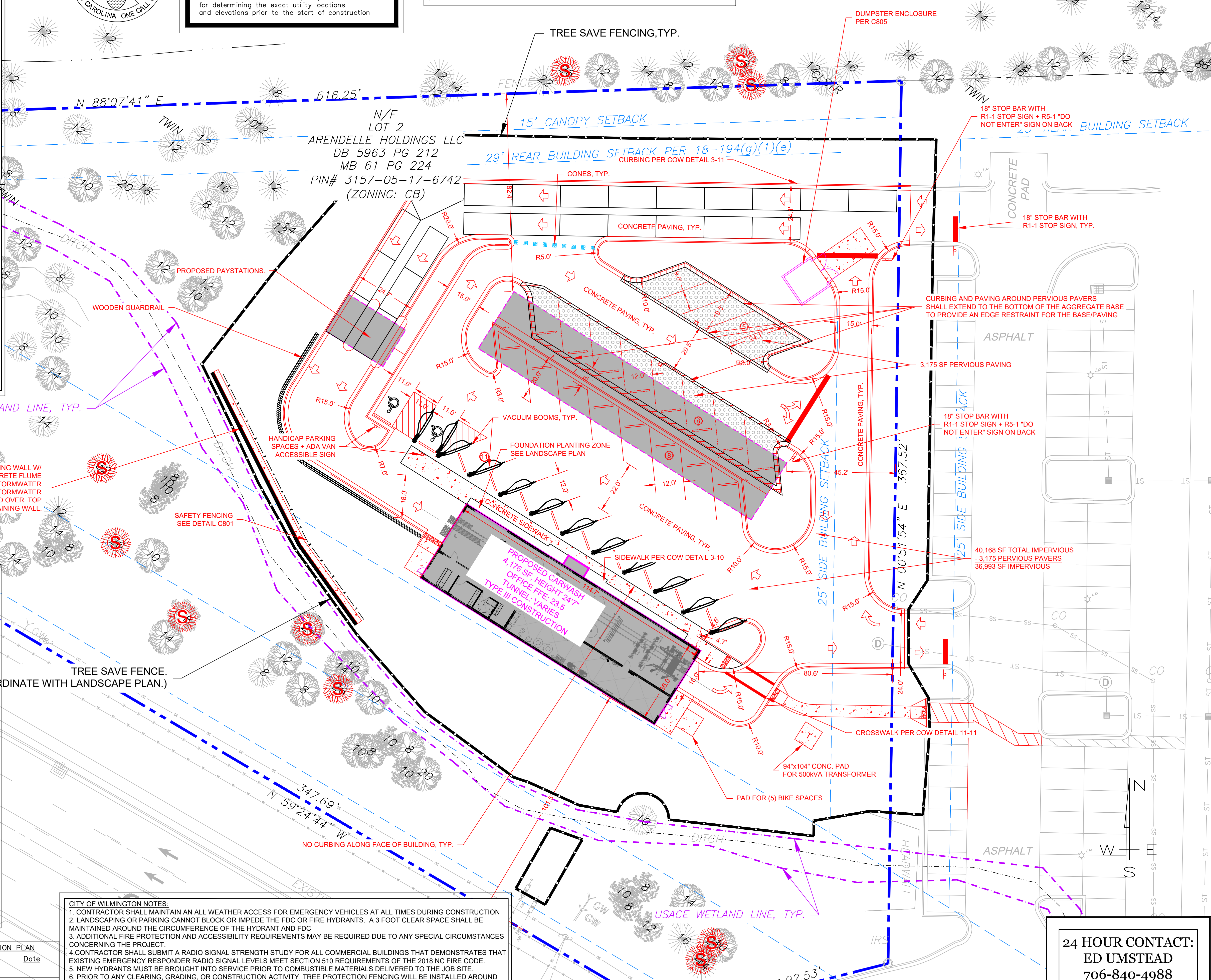
CITY OF WILMINGTON NOTES:

1. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
2. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3 FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC
3. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
4. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE.
5. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
6. 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 WITHIN THE TREE PROTECTION FENCING.
7. SIGN PERMIT WILL BE OBTAINED THROUGH ZONING AS PART OF A SEPARATE PROCESS

CITY OF WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning		
Traffic		
Fire		



ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NICHOLS FIRM P-2655
980 BIRMINGHAM RD, SUITE 501-540, MILTON, GA 30004
PHONE: 678-945-3300
WWW.ONSITECTH.COM | INFO@ONSITECTH.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=20'

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPLASHDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

DETAILED SITE PLAN

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: **C 401.1**

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

SURVEY NOTE:
 EXISTING CONDITIONS BASED OF A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNTE ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

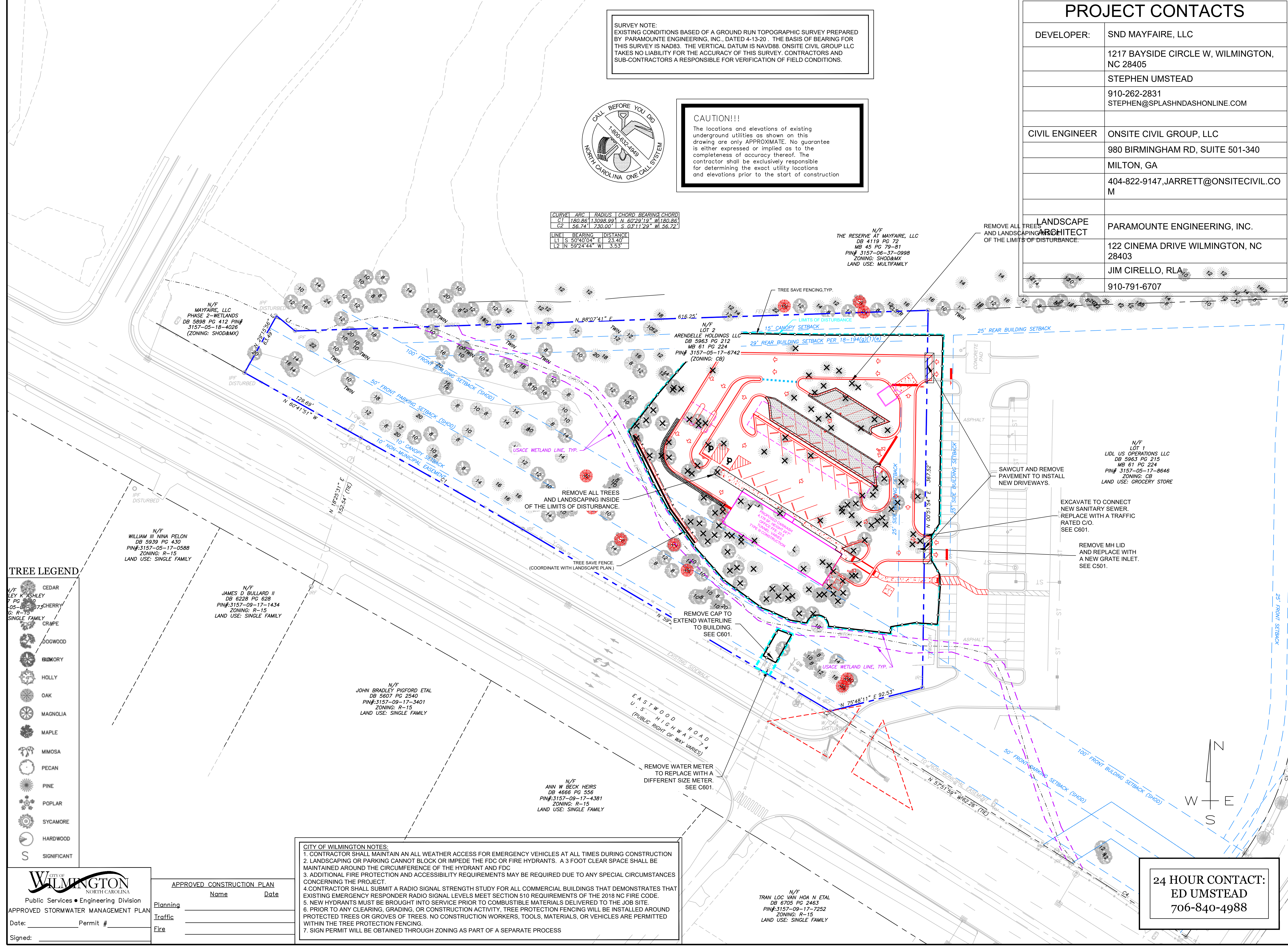
PROJECT CONTACTS	
DEVELOPER:	SND MAYFAIRE, LLC
	1217 BAYSIDE CIRCLE W, WILMINGTON, NC 28405
	STEPHEN UMSTEAD
	910-262-2831 STEPHEN@SPLASHNDASHONLINE.COM
CIVIL ENGINEER	ONSITE CIVIL GROUP, LLC
	980 BIRMINGHAM RD, SUITE 501-340
	MILTON, GA
	404-822-9147, JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC.
	122 CINEMA DRIVE WILMINGTON, NC 28403
	JIM CIRELLO, RLA
	910-791-6707

ONSITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2055
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 TEL: 404-822-9147
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,309.89'	N 60°29'19" W	180.86'
C2	56.74'	230.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.53'



TREE LEGEND

CEY	CEDAR
ASH	ASHLEY
CH	CHERRY
CR	CRAPE
DOG	DOGWOOD
BIM	BIMORY
HOL	HOLLY
OAK	OAK
MAG	MAGNOLIA
MAP	MAPLE
MIM	MIMOSA
PEC	PECAN
PIN	PINE
POP	POPLAR
SYC	SYCAMORE
HAR	HARDWOOD
S	SIGNIFICANT

N/F WILLIAM III NINA PELON
 DB 5939 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F JAMES D BULLARD II
 DB 8228 PG 629
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F ANN W BECK HEIRS
 DB 4866 PG 556
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
 Signed: _____

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

CITY OF WILMINGTON NOTES:
 1. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION
 2. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3 FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC
 3. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
 4. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL COMMERCIAL BUILDINGS THAT DEMONSTRATES THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE.
 5. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
 6. 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 WITHIN THE TREE PROTECTION FENCING.
 7. SIGN PERMIT WILL BE OBTAINED THROUGH ZONING AS PART OF A SEPARATE PROCESS

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

TREE OVERLAY PLAN

DATE:	JANUARY 25, 2021
PROJECT:	19-050
SHEET:	C 402

SURVEY NOTE:
 EXISTING CONDITIONS BASED OF A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNTE ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

PROJECT CONTACTS	
DEVELOPER:	SND MAYFAIRE, LLC
	1217 BAYSIDE CIRCLE W, WILMINGTON, NC 28405
	STEPHEN UMSTEAD
	910-262-2831 STEPHEN@SPLASHNDASHONLINE.COM
CIVIL ENGINEER	ONSITE CIVIL GROUP, LLC
	980 BIRMINGHAM RD, SUITE 501-340 MILTON, GA
	404-822-9147, JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC.
	122 CINEMA DRIVE WILMINGTON, NC 28403
	JIM CIRELLO, RLA
	910-791-6707

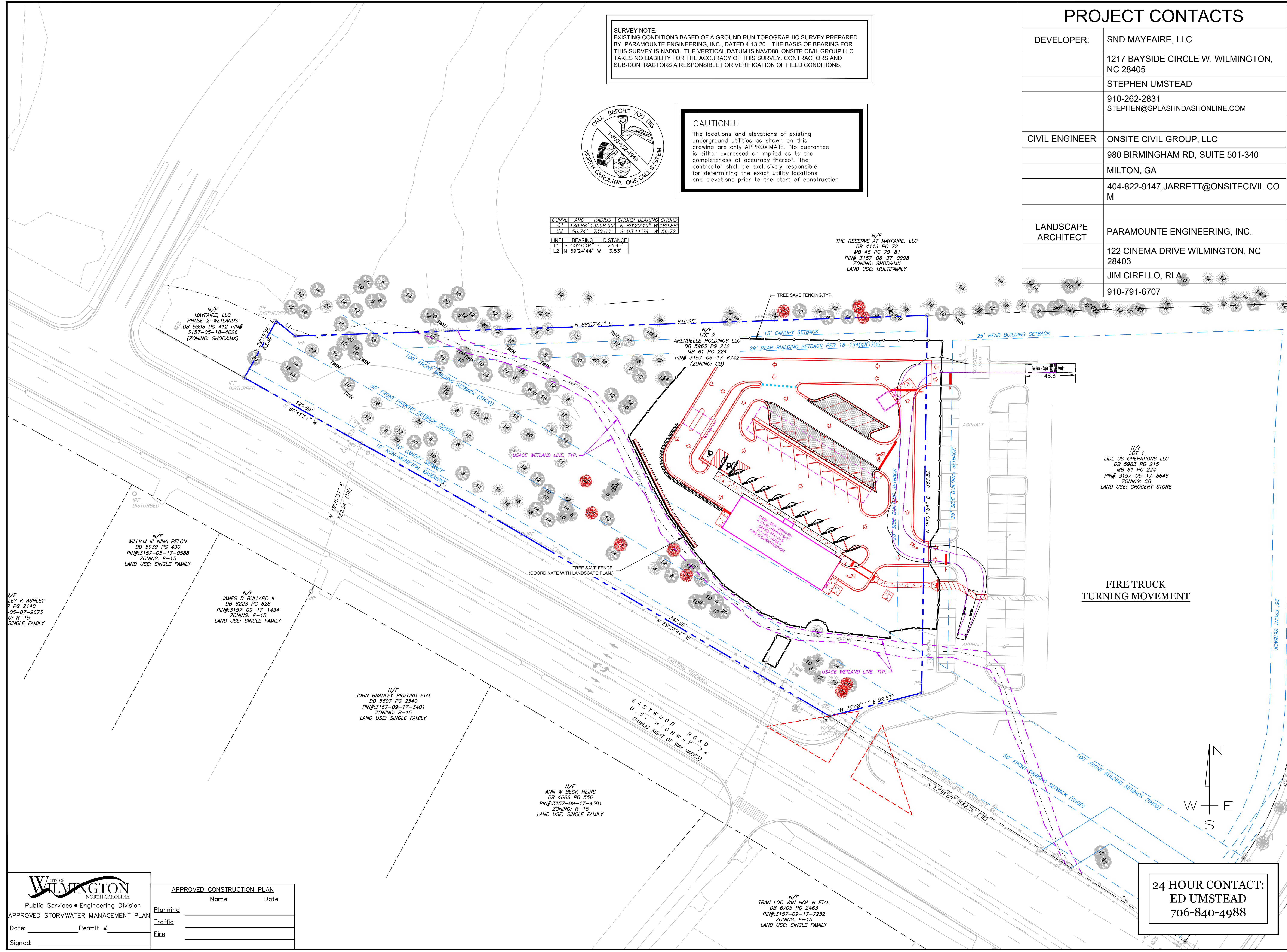
ON SITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2655
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 TEL: (770) 666-9535
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,3098.89'	N 60°29'19" W	180.86'
C2	56.74'	230.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.53'

N/F
 THE RESERVE AT MAYFAIRE, LLC
 DB 4119 PG 72
 MB 45 PG 79-81
 PIN# 3157-06-37-0998
 ZONING: SHOD&MX
 LAND USE: MULTIFAMILY



N/F
 MAYFAIRE, LLC
 PHASE 2 - WETLANDS
 DB 5898 PG 412
 PIN# 3157-05-18-4026
 (ZONING: SHOD&MX)

N/F
 WILLIAM III NINA PELO
 DB 5939 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JAMES D BULLARD II
 DB 8228 PG 628
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 ANN W BECK HEIRS
 DB 4866 PG 556
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 LIDL US OPERATIONS LLC
 DB 5963 PG 215
 MB 61 PG 224
 PIN# 3157-05-17-8646
 ZONING: CB
 LAND USE: GROCERY STORE

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

TURNING MOVEMENT PLAN

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: C 403

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning		
Traffic		
Fire		

Date: _____ Permit # _____
 Signed: _____

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

SURVEY NOTE:
 EXISTING CONDITIONS BASED OF A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNTE ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

PROJECT CONTACTS	
DEVELOPER:	SND MAYFAIRE, LLC
	1217 BAYSIDE CIRCLE W, WILMINGTON, NC 28405
	STEPHEN UMSTEAD
	910-262-2831 STEPHEN@SPLASHNDASHONLINE.COM
CIVIL ENGINEER	ONSITE CIVIL GROUP, LLC
	980 BIRMINGHAM RD, SUITE 501-340 MILTON, GA
	404-822-9147, JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC.
	122 CINEMA DRIVE WILMINGTON, NC 28403
	JIM CIRELLO, RLA
	910-791-6707

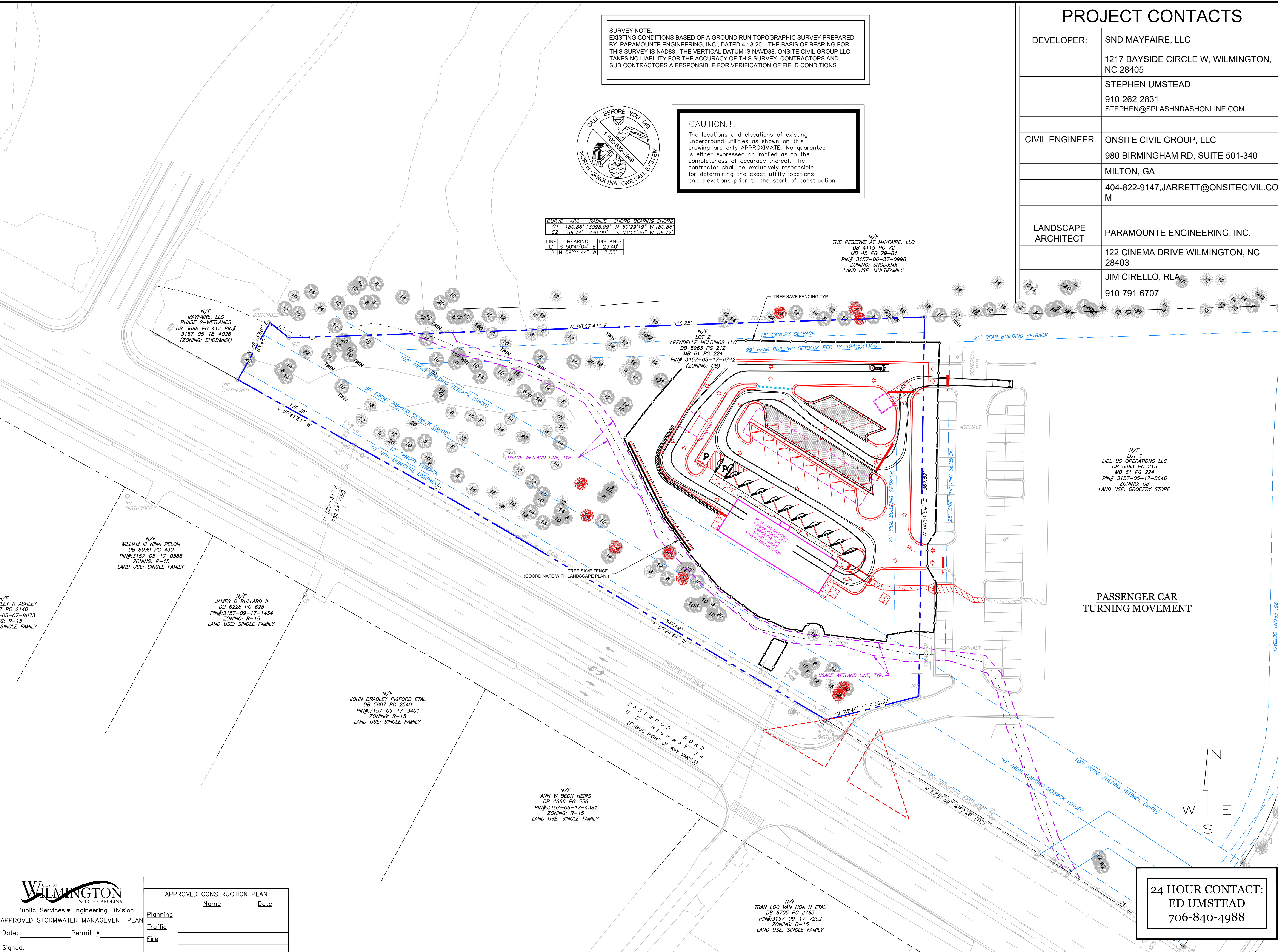
ON SITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2655
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 TEL: 404-822-9147
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,309.89'	N 60°29'19" W	180.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.53'

N/F
 THE RESERVE AT MAYFAIRE, LLC
 DB 4119 PG 72
 MB 45 PG 79-81
 PIN# 3157-06-37-0998
 ZONING: SHOD&MX
 LAND USE: MULTIFAMILY



N/F
 MAYFAIRE, LLC
 PHASE 2 - WETLANDS
 DB 5898 PG 412
 PIN# 3157-05-18-4026
 (ZONING: SHOD&MX)

N/F
 WILLIAM III NINA PELON
 DB 5939 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JAMES D BULLARD II
 DB 8228 PG 629
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 ANN W BECK HEIRS
 DB 4866 PG 556
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 LOT 1
 LIDL US OPERATIONS LLC
 DB 5963 PG 215
 MB 61 PG 224
 PIN# 3157-05-17-8646
 ZONING: CB
 LAND USE: GROCERY STORE

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

TURNING MOVEMENT PLAN

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: C 404

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN	
Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
 Signed: _____

SURVEY NOTE:
 EXISTING CONDITIONS BASED OF A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNTE ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS A RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

PROJECT CONTACTS	
DEVELOPER:	SND MAYFAIRE, LLC
	1217 BAYSIDE CIRCLE W, WILMINGTON, NC 28405
	STEPHEN UMSTEAD
	910-262-2831
	STEPHEN@SPLASHNDASHONLINE.COM
CIVIL ENGINEER	ONSITE CIVIL GROUP, LLC
	980 BIRMINGHAM RD, SUITE 501-340
	MILTON, GA
	404-822-9147, JARRETT@ONSITECIVIL.COM
LANDSCAPE ARCHITECT	PARAMOUNTE ENGINEERING, INC.
	122 CINEMA DRIVE WILMINGTON, NC 28403
	JIM CIRELLO, RLA
	910-791-6707

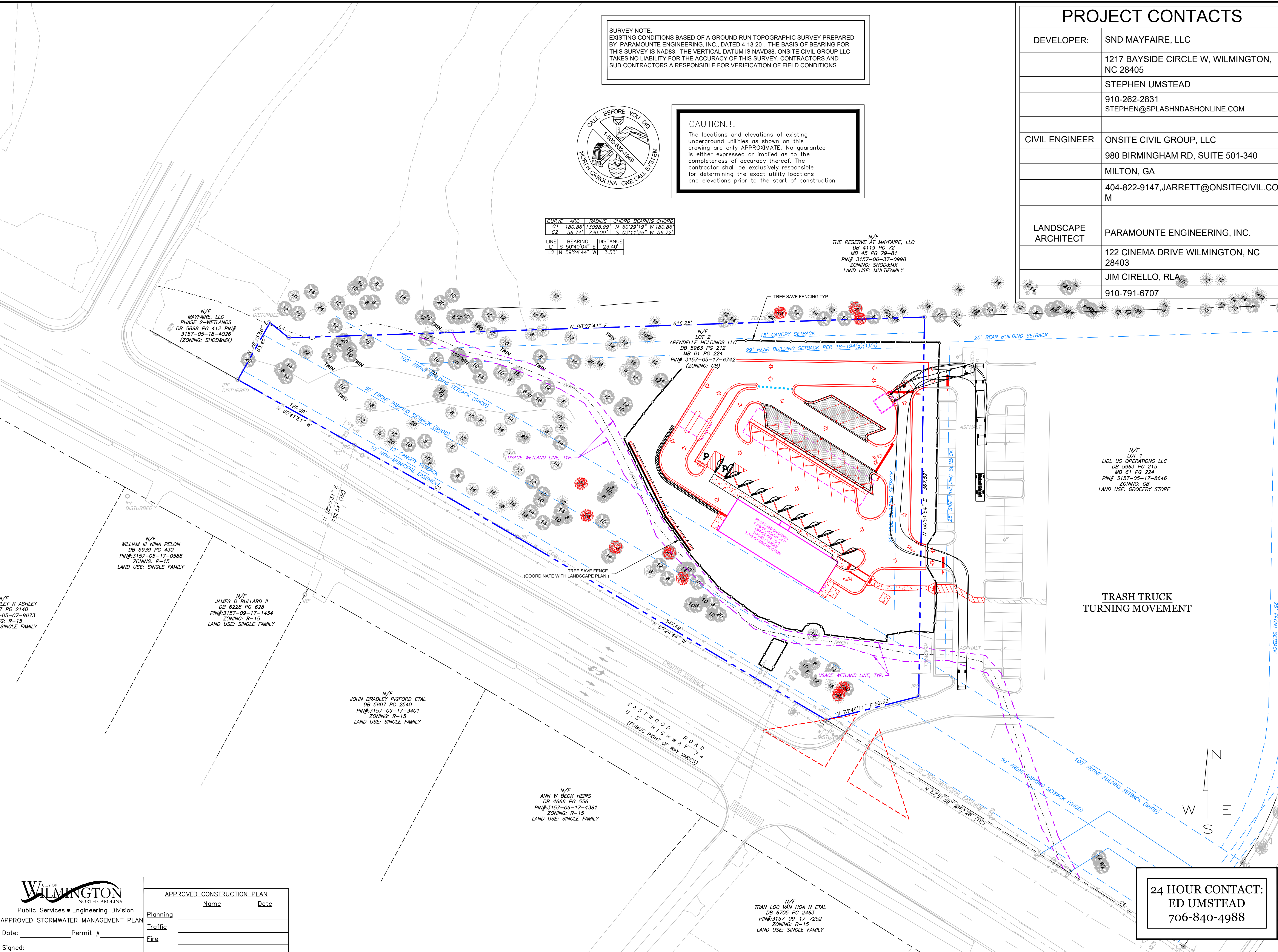
ONSITE CIVIL GROUP
 ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2655
 980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
 TEL: 404-822-9147 FAX: 404-822-9148
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,309.89'	N 60°29'19" W	180.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.53'

N/F
 THE RESERVE AT MAYFAIRE, LLC
 DB 4119 PG 72
 MB 45 PG 79-81
 PIN# 3157-06-37-0998
 ZONING: SHOD&MX
 LAND USE: MULTIFAMILY



N/F
 LIDL US OPERATIONS LLC
 DB 5963 PG 215
 MB 61 PG 224
 PIN# 3157-05-17-8646
 ZONING: CB
 LAND USE: GROCERY STORE

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

TURNING MOVEMENT PLAN

DATE:	JANUARY 25, 2021
PROJECT:	19-050
SHEET:	C 405

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning	_____	_____
Traffic	_____	_____
Fire	_____	_____

Date: _____ Permit # _____
 Signed: _____

N/F
 ANN W BECK HEIRS
 DB 4866 PG 556
 PIN# 3157-09-17-4381
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 TRAN LOC VAN HOA N ETAL
 DB 6705 PG 2463
 PIN# 3157-09-17-7252
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 WILLIAM III NINA PELON
 DB 5939 PG 430
 PIN# 3157-05-17-0588
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JAMES D BULLARD II
 DB 8229 PG 629
 PIN# 3157-09-17-1434
 ZONING: R-15
 LAND USE: SINGLE FAMILY

N/F
 JOHN BRADLEY PIGFORD ETAL
 DB 5607 PG 2540
 PIN# 3157-09-17-3401
 ZONING: R-15
 LAND USE: SINGLE FAMILY

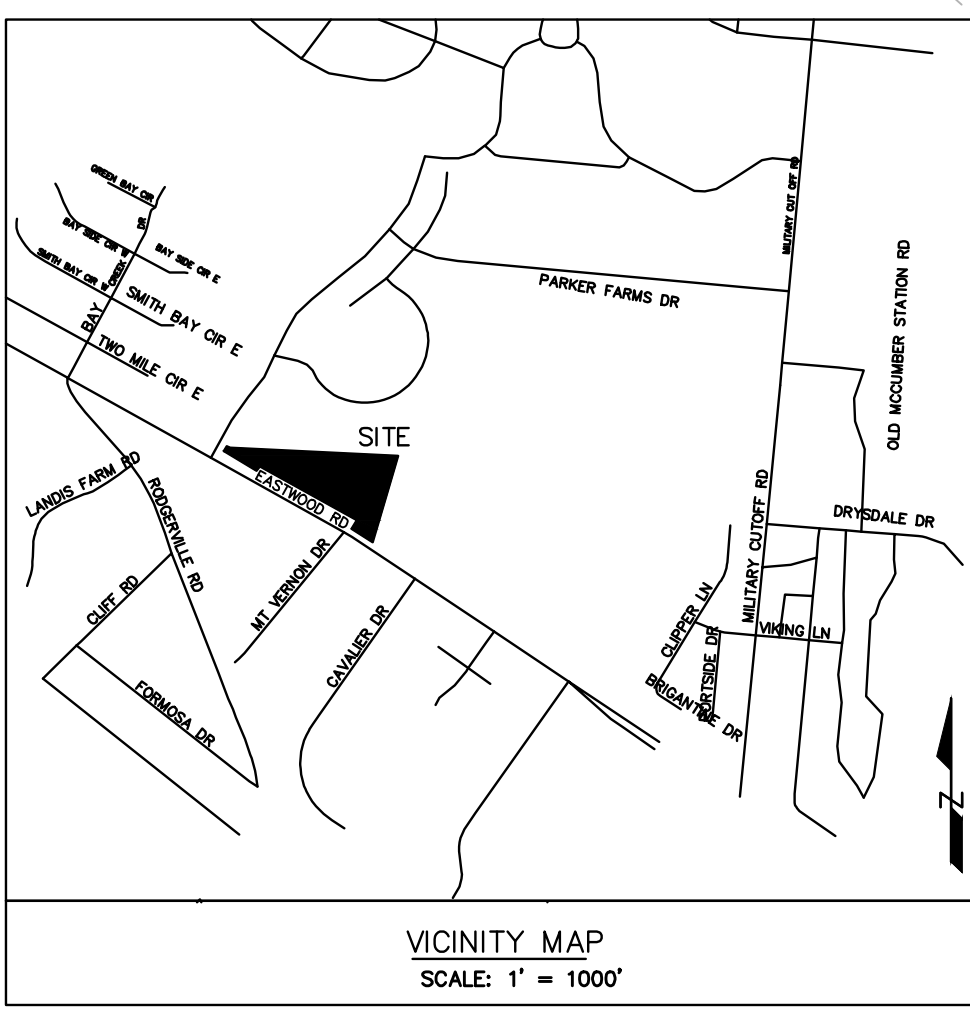
- CONSTRUCTION SEQUENCE NOTES:**
- OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE CITY OF WILMINGTON ENGINEERING DEPARTMENT. OBTAIN STORMWATER AND OTHER PLAN APPROVALS FROM CITY OF WILMINGTON.
 - SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE CITY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. ALSO SCHEDULE A PRECON WITH THE CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF THE CITY CODE AND IS SUBJECT TO FINE.
 - INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS. CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
 - CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 - THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 - FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
 - STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
 - COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 - DETENTION WILL BE CLEANED OUT WHEN SITE WORK AND PAVING ARE COMPLETED AND A FINAL PERMANENT GROUND COVER IS ESTABLISHED.
 - ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT OF AGRICULTURE, CITY OF WILMINGTON EROSION CONTROL ORDINANCE, AND THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.

- GRADING NOTES:**
- NO LAND DISTURBANCE INCLUDING TREE REMOVAL IS TO OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THESE PLANS.
 - NO EQUIPMENT IS ALLOWED ON THE SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED AND APPROVED.
 - PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND THAT LAND CLEARING AND CONSTRUCTION CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION REQUIREMENTS AND METHODS.

- PERVIOUS PAVING NOTES:**
- PERMEABLE PAVING SHALL NOT BE INSTALLED IN AREAS WHERE TOXIC POLLUTANTS ARE STORED OR HANDLED.
 - THE SOIL SUBGRADE SURFACE SHALL HAVE A SLOPE OF LESS THAN OR EQUAL TO 2%.
 - ONLY WASHED AGGREGATE BASE MATERIALS SHALL BE USED.
 - THE SOIL SUBGRADE FOR INFILTRATING PAVEMENT SHALL BE GRADED WHEN THERE IS NO PRECIPITATION.
 - AFTER INSTALLATION, PERMEABLE PAVEMENT SHALL BE PROTECTED FROM SEDIMENT DEPOSITION UNTIL THE SITE IS COMPLETED AND STABILIZED. AN IN-SITU INFILTRATION PERMEABILITY TEST SHALL BE CONDUCTED AND CERTIFIED ON THE PAVEMENT AFTER SITE STABILIZATION.

- GRADING NOTES:**
- ENGINEER WILL BE NOTIFIED WHEN CURB IS STAKED AND STRING LINE IS IN PLACE SO THAT ENGINEER CAN PERFORM DRAINAGE INSPECTION BEFORE CURB IS POURED.
 - ENGINEER SHALL PERFORM INSPECTION OF ALL AREAS TO BE TREATED WITH PERMANENT GROUND COVER BEFORE ANY MULCH, SEEDING, OR SOD IS INSTALLED.
 - FOR ITEMS 1 & 2 ABOVE CONTRACTOR PROCEEDS AT THEIR OWN RISK IF INSPECTIONS ARE NOT PERFORMED.
 - GRADE ALL AREAS TO DRAIN TO INLETS AT 1% MINIMUM ON PAVEMENT, 2% ON GRASS, 3% IN MULCH/STRAWED AREAS.
 - SPOT ELEVATIONS ARE SHOWN AS +800.00
 - ALL SPOT ELEVATIONS ARE GUTTER/PAVEMENT AND NOT TOP OF CURB UNLESS NOTED**
 - FINISHED GRADE IN LANDSCAPED AREAS (TOP OF MULCH, ETC.) SHALL NOT BE LESS THAN 8" BELOW FINISHED FLOOR ELEVATION EXCEPT AT ENTRY POINTS
 - ALL PROPOSED CURB HEIGHT TO BE 6" UNLESS SPECIFICALLY NOTED.
 - ALL CURB TO BE 24" UNLESS OTHERWISE NOTED.
 - OWNERS REPRESENTATIVE OR CIVIL ENGINEER SHALL BE PRESENT AT PROOF ROLL OF SUB GRADE AND/OR GAB (IF APPLICABLE).

SURVEY NOTE:
EXISTING CONDITIONS BASED ON A GROUND RUN TOPOGRAPHIC SURVEY PREPARED BY PARAMOUNT ENGINEERING, INC., DATED 4-13-20. THE BASIS OF BEARING FOR THIS SURVEY IS NAD83. THE VERTICAL DATUM IS NAVD88. ONSITE CIVIL GROUP LLC TAKES NO LIABILITY FOR THE ACCURACY OF THIS SURVEY. CONTRACTORS AND SUB-CONTRACTORS ARE RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS.



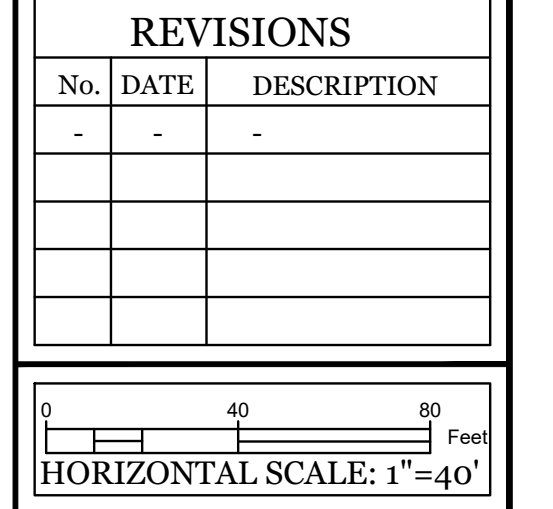
ON SITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCEHS FIRM P-26055
980 BIRMINGHAM RD, SUITE 500-340, MILTON, GA 30004
PHONE: 770-455-3300
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION



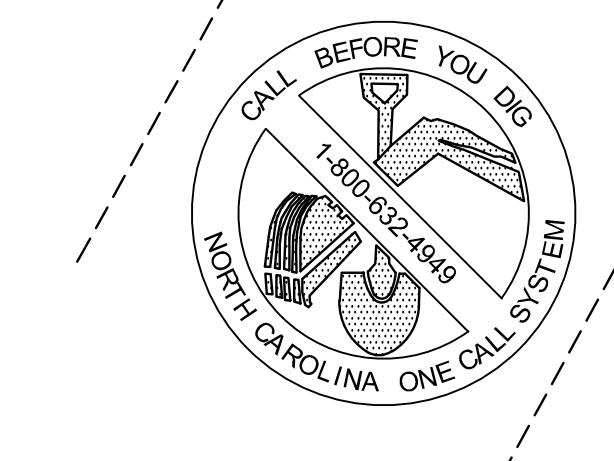
CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

GRADING AND DRAINAGE PLAN

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: **C 501**



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

CAMA NARRATIVE:
PROJECT MEETS BASELINE CRITERIA FOR WATERSHED PROTECTION CLASSIFICATION:
1. IMPERVIOUS SURFACE ARE LESS THAN 25%
2. WOULD NEED 1,674 SF ADDITIONAL IMPERVIOUS TO BE ABOVE 25% AND WOULDNT BE ALLOWED TO DRAIN TO LIDL POND. ANY ADDITIONAL IMPERVIOUS SURFACE WOULD BE REQUIRED TO BE PERVIOUS PAVING.
3. NO STREAMS OR SURFACE WATERS EXIST ON THIS SITE.
4. USACE WETLANDS PERMIT SAW-2016-00652 EXPIRES ON 8/8/2021. NO WETLANDS WILL BE DISTURBED.

- NOTES:**
- ALL DISTURBED AREAS SHALL BE SEEDING IN ACCORDANCE WITH THE LANDSCAPE PLAN
 - TOTAL SITE ACREAGE: 3.55 ACRES DISTURBED AREA: 1.65 ACRES
 - ACCORDING TO SOIL SURVEY OF NEW HANOVER COUNTY, NORTH CAROLINA THE SITE CONSISTS OF: (SEE C704 FOR SOILS MAP.)
 - ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
 - ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS LOCATED WITHIN ZONE X (NOT A SPECIAL FLOOD HAZARD AREA).

- PAVING, GRADING, AND DRAINAGE NOTES:**
- ALL STORM STRUCTURES SHALL BE STANDARD NCDOT TRAFFIC RATED STRUCTURES AND LIDS
 - GRADE ALL PAVING TO DRAIN TO INLETS WITH A MINIMUM FINAL INSTALLED SLOPE OF 1.0% MINIMUM

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
Signed: _____

NOTES:

1. ALL DISTURBED AREAS SHALL BE SEEDING IN ACCORDANCE WITH THE LANDSCAPE PLAN
2. TOTAL SITE ACREAGE: 3.55 ACRES DISTURBED AREA: 1.65 ACRES
3. ACCORDING TO SOIL SURVEY OF NEW HAVOVER COUNTY, NORTH CAROLINA THE SITE CONSISTS OF: (SEE C704 FOR SOILS MAP.)
4. ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
5. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS LOCATED WITHIN ZONE X (NOT A SPECIAL FLOOD HAZARD AREA).

PAVING, GRADING, AND DRAINAGE NOTES:

1. ALL STORM STRUCTURES SHALL BE STANDARD NCDOT TRAFFIC RATED STRUCTURES AND LIDS
2. GRADE ALL PAVING TO DRAIN TO INLETS WITH A MINIMUM FINAL INSTALLED SLOPE OF 1.0% MINIMUM

EXISTING DETENTION AND WQV PROVIDED FOR 37,026 SF IMPERVIOUS AREA.
36,993 SF PAVED GOING TO POND.

USACE WETLAND LINE, TYP.

TREE SAVE FENCE.
(COORDINATE WITH LANDSCAPE PLAN.)

PROPOSED CARWASH
4,176 SF, HEIGHT 24'7"
OFFICE FFE: 23.5'
TUNNEL: VARIES
TYPE III CONSTRUCTION

15' CANOPY SETBACK

29' REAR BUILDING SETBACK PER 18-194(g)(1)(e)

25' REAR BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

6" PERFORATED PVC OBSERVATION WELL W TRAFFIC RATED LID. EXTEND TO BOTTOM OF AGGREGATE BASE

40,168 SF TOTAL IMPERVIOUS
- 3,175 PERVIOUS PAVERS
36,993 SF NET NEW IMPERVIOUS

USACE WETLAND LINE, TYP.

EXISTING SIDEWALK

FLOOD ZONE AE
FLOOD ZONE X

CONCRETE PAD

ASPHALT

ASPHALT

15' CANOPY SETBACK

29' REAR BUILDING SETBACK PER 18-194(g)(1)(e)

25' REAR BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

25' SIDE BUILDING SETBACK

USACE WETLAND LINE, TYP.

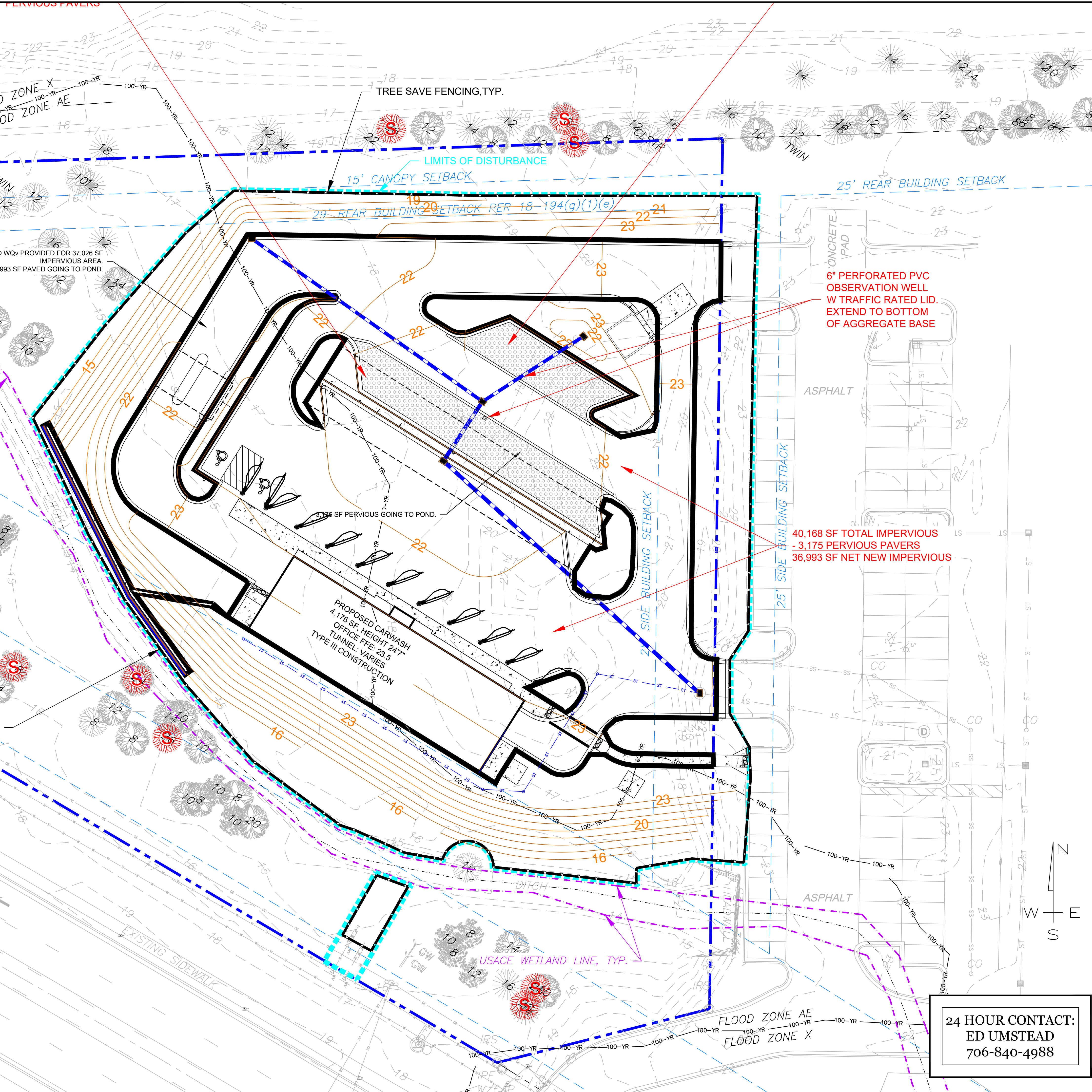
EXISTING SIDEWALK

FLOOD ZONE AE
FLOOD ZONE X

CONCRETE PAD

ASPHALT

ASPHALT



ONSITE CIVIL GROUP

ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCEHS FIRM P-2655
980 BIRMINGHAM RD, SUITE 501-540, MILTON, GA 30004
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=20'

CLIENT:
SND MAYFARE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPLASHNDASHONLINE.COM

SPLASH N DASH MAYFARE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HAVOVER COUNTY
NORTH CAROLINA

PROPOSED IMPERVIOUS AREA PLAN

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: C 502

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

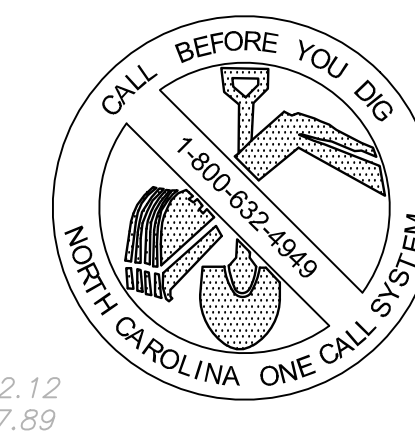
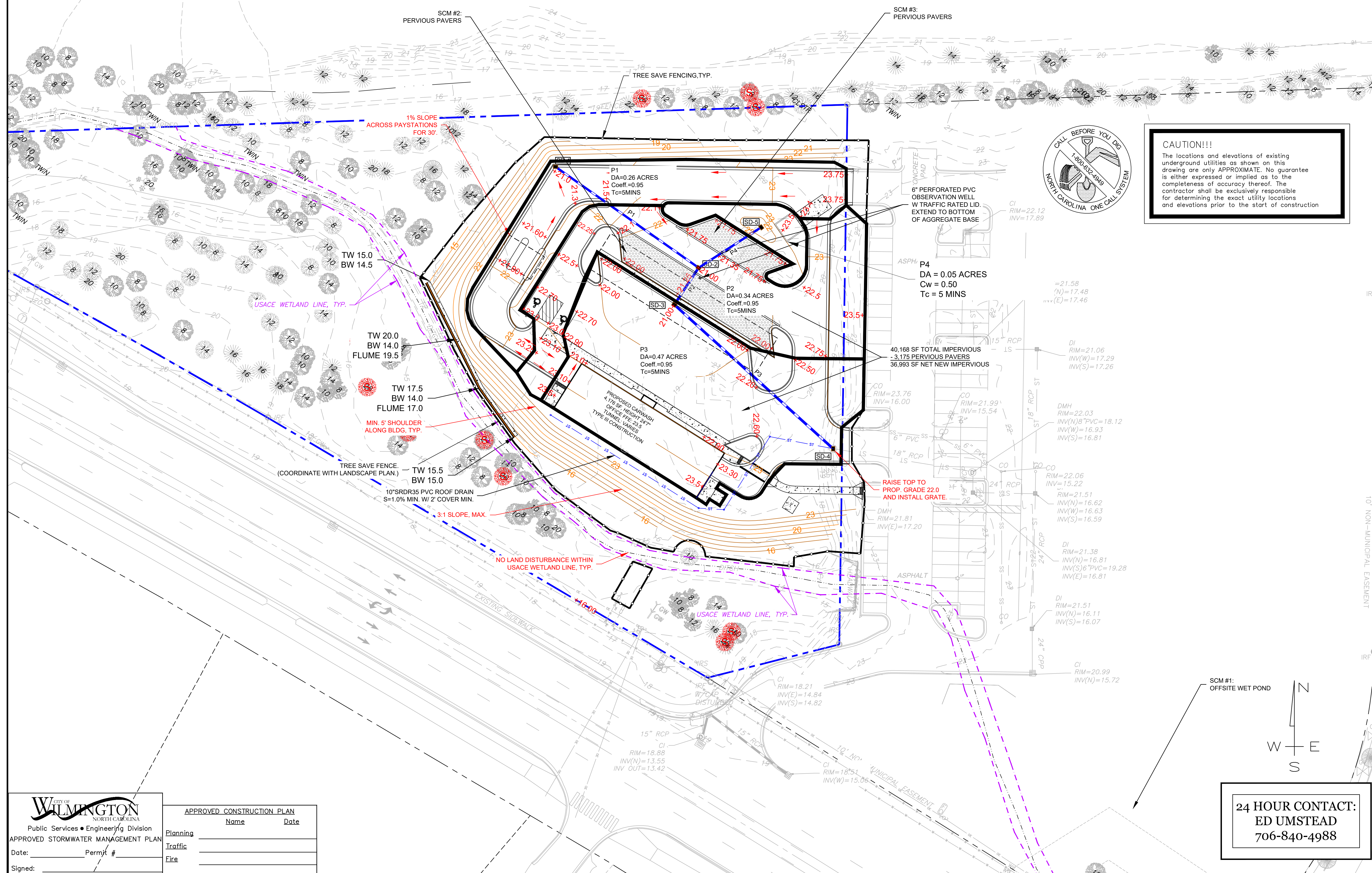
APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

STORM DRAINAGE SCHEDULE
(100-YR STORM EVENT)

Line	To Line	Line Length (ft)	Incr. Area (ac)	Total Area (ac)	Runoff Coeff. (C)	Incr. C x A	Total C x A	Inlet Time (min)	Time Conc. (min)	Rnfall Int. (in/hr)	Total Runoff (cfs)	Adnl Flow (cfs)	Total Flow (cfs)	Capac Full (cfs)	Veloc (ft/s)	Pipe Size (in)	Pipe Slope (%)	Inv Elev Dn (ft)	Inv Elev Up (ft)	HGL Dn (ft)	HGL Up (ft)	Gnd/Rim Dn (ft)	Gnd/Rim Up (ft)	Line ID
1	Outfall	146,000	0.47	1.12	0.95	0.45	1.04	5.0	9.6	8.2	8.53	0.00	8.53	5.95	5.23	18	0.27	17.20	17.60	18.40	19.37	22.00	21.00	P3
2	1	30,072	0.34	0.65	0.95	0.32	0.60	5.0	9.4	8.2	4.90	0.00	4.90	6.56	2.77	18	0.33	17.60	17.70	19.91	19.97	21.00	21.00	P2
3	2	119,238	0.26	0.26	0.95	0.25	0.25	5.0	5.0	9.5	2.35	0.00	2.35	3.51	1.91	15	0.25	17.70	18.00	20.15	20.28	21.00	21.00	P1
4	2	51,414	0.05	0.05	0.50	0.03	0.03	5.0	5.0	9.5	0.24	0.00	0.24	4.36	0.19	15	0.39	17.80	18.00	20.15	20.15	21.00	21.00	P4



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction.

ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
980 BIRMINGHAM RD, SUITE 501-540, MILTON, GA 30004
PH: 770-885-3300 FAX: 770-885-3301
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

REVISIONS		
No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=30'

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

STORM DRAINAGE PLAN

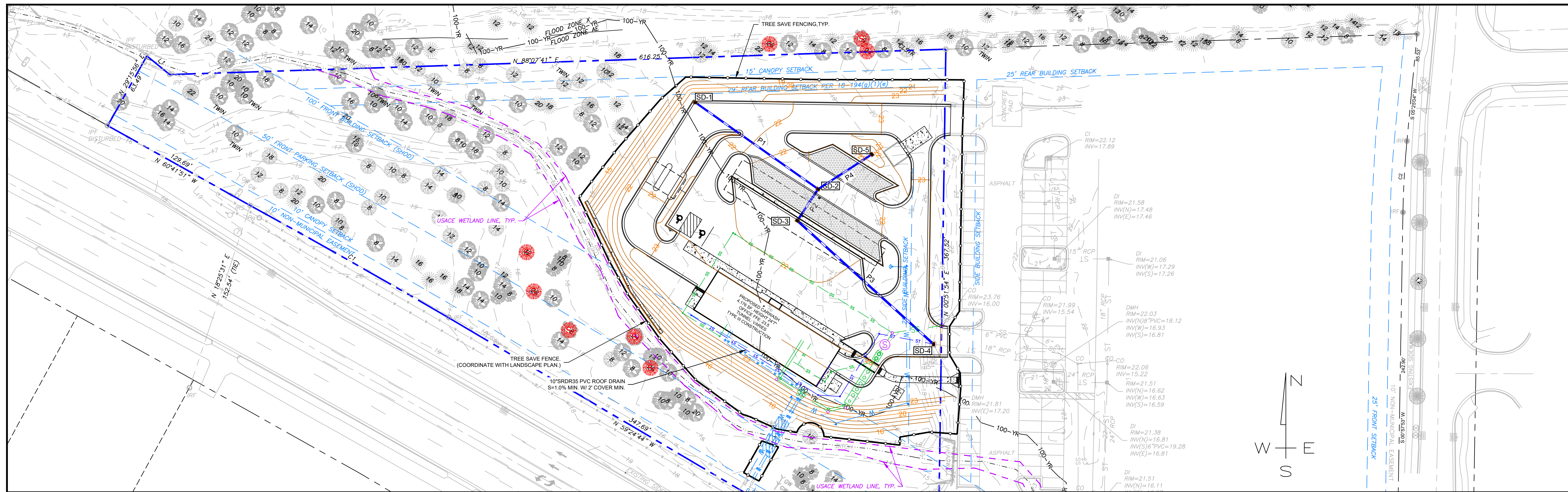
DATE: JANUARY 25, 2021
PROJECT: 19-050
SHEET: **C 503**

City of WILMINGTON
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning	_____	_____
Traffic	_____	_____
Fire	_____	_____

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988



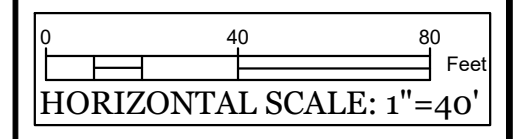
PLAN VIEW
HORIZONTAL SCALE: 1"=40'

ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCEHS FIRM P-2055
980 BIRMINGHAM RD, SUITE 500-540, MILTON, GA 30004
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

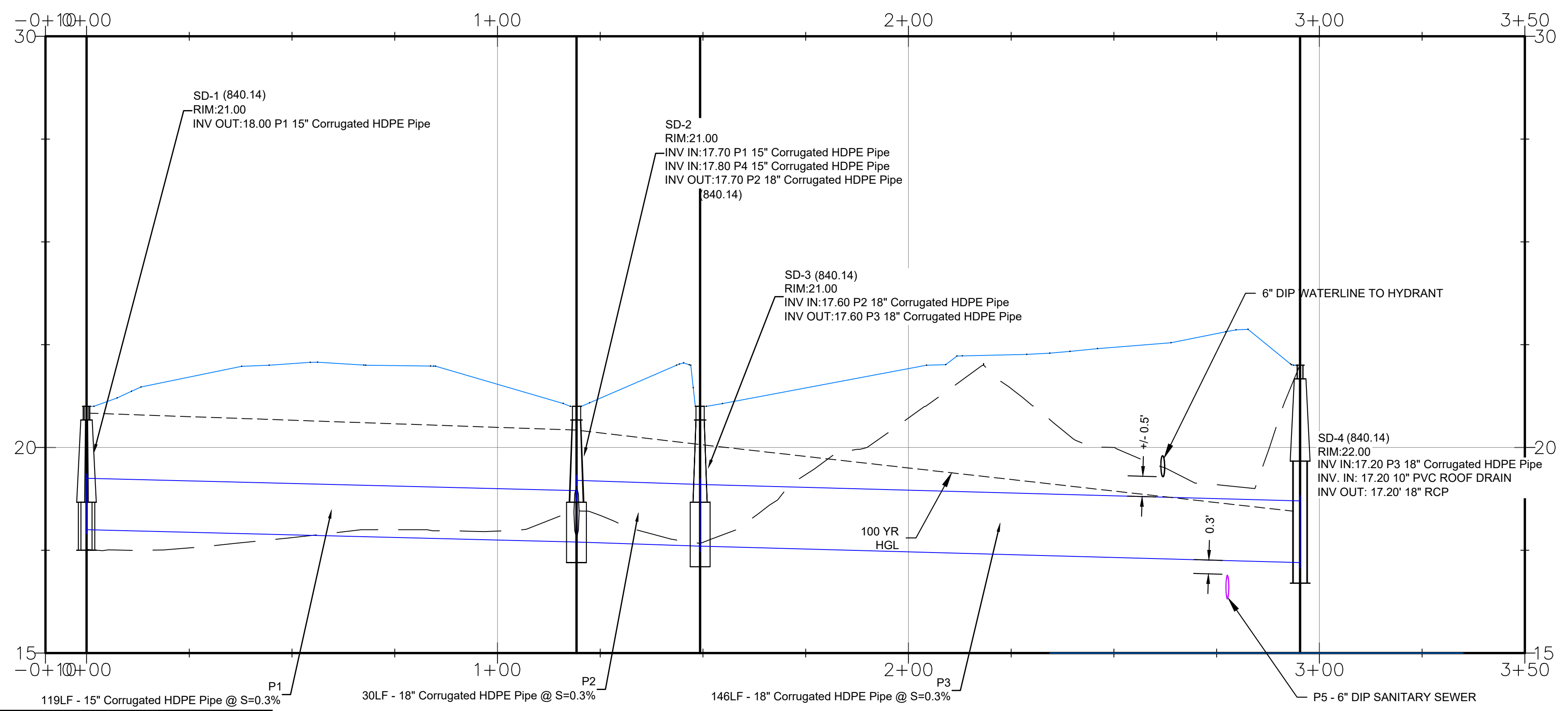
1-25-21

REVISIONS		
No.	DATE	DESCRIPTION



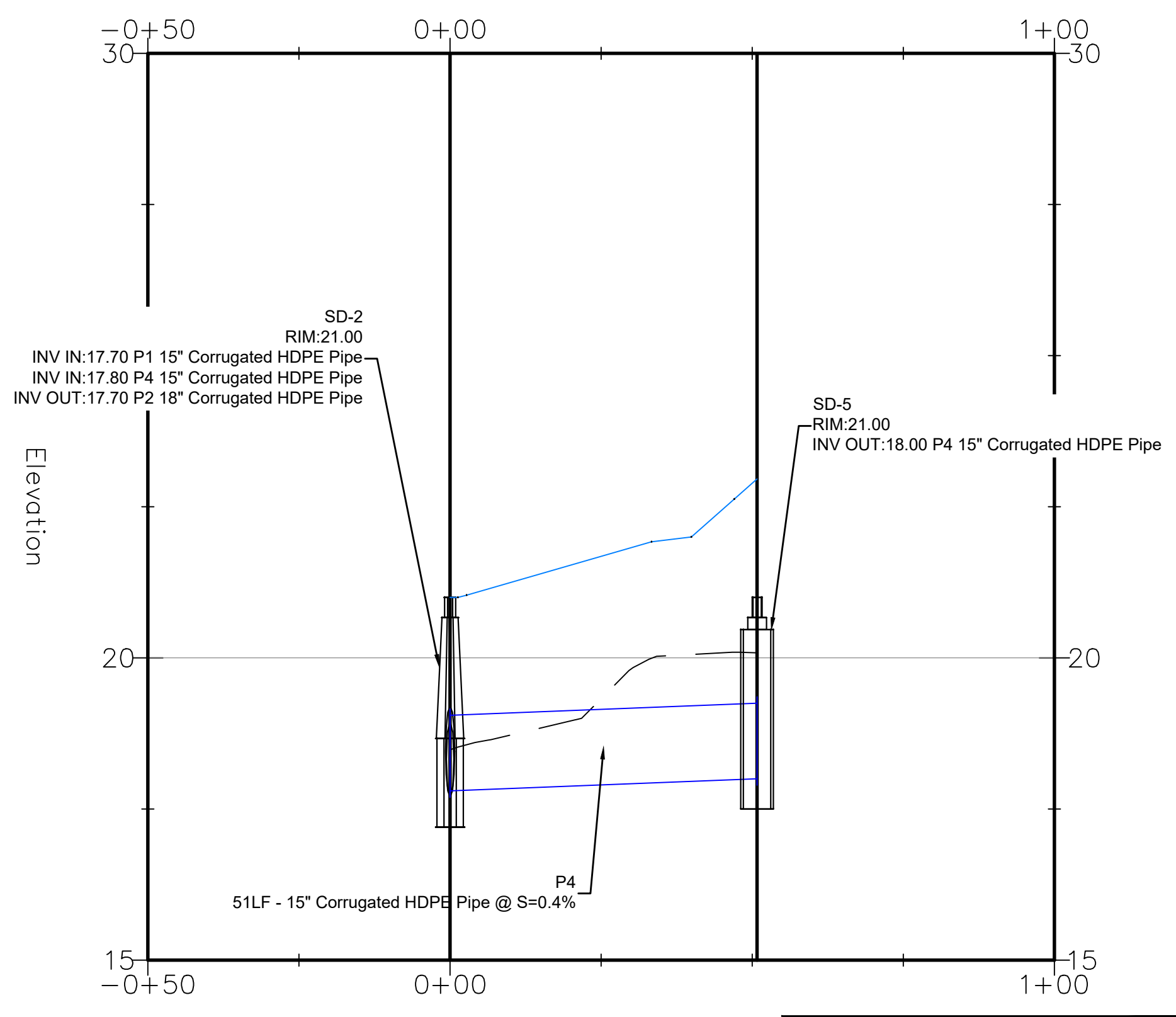
**NOTE:
1. ALL PIPE LENGTHS ARE CENTER-CENTER OF STRUCTURES
2. ALL GRATE INLETS ELEVATIONS ARE TO THROAT OF INLET AT GUTTER, NOT TOP OF CURB. INLETS ON CURBS ARE TO HAVE HOODED GRATES

SD1-SD4 PROFILE
Station



PROFILE VIEW
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

SD-4 - SD-5 PROFILE
Station



CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN		
Name	Date	
Planning		
Traffic		
Fire		

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: **STEPHEN UMSTEAD**
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

STORM PLAN & PROFILES

DATE:	JANUARY 25, 2021
PROJECT:	19-050

SHEET: **C 504**

UTILITY NOTES:

- CONTRACTOR TO FIELD VERIFY ALL EXISTING UTILITIES AND THEIR ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT PUBLIC UTILITIES INSPECTIONS AT LEAST 24 HOURS IN ADVANCE PRIOR TO ANY ACTIVITY.
- CONTRACTOR TO COORDINATE TYPE AND INSTALLATION OF DOMESTIC AND IRRIGATION WATER METERS, BACKFLOW PREVENTORS, AND DETECTOR CHECK VALVES WITH UTILITY COMPANY.
- ONSITE CIVIL GROUP WILL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH LOCAL GOVERNING CODES.
- A MINIMUM OF 10' HORIZONTAL SEPARATION AND 1.5' VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN SEWER LINES AND WATER LINES AT ALL TIMES. SEE SPECIFICATIONS FOR MORE DETAIL.
- CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
- UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY THE COUNTY FIRE DEPARTMENT FROM THE RIGHT-OF-WAY TO THE BUILDING. CONTACT THE COUNTY FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.

WILMINGTON UTILITY/FIRE NOTES:

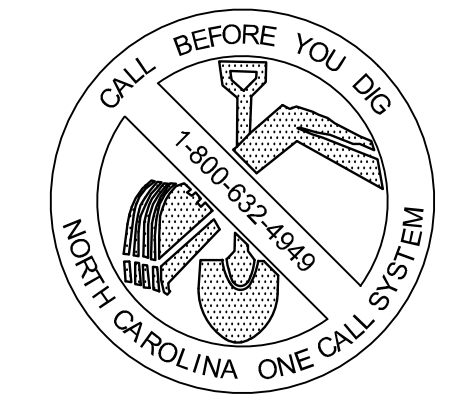
- UNDERGROUND FIRE LINE AND PRIVATE WATER MAINS MUST BE PERMITTED AND INSPECTED BY WILMINGTON FIRE DEPT. FROM THE PUBLIC RIGHT OF WAY TO THE BUILDING. CONTACT THE WILMINGTON FIRE DEPARTMENT DIVISION OF FIRE AND LIFE SAFETY AT 910-343-0696 FOR ADDITIONAL INFORMATION.
- A MINIMUM OF 5' SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM UNDERGROUND UTILITIES.

UTILITY CAPACITY NOTES:

- CURRENT WATER USAGE: 0 GPD (EX. 1.5" METER)
- PROPOSED WATER NEED: 2580 GPD
- CURRENT SEWAGE USAGE: 0 GPD
- PROPOSED SEWAGE NEED: 1840 GPD

TRAFFIC ENGINEERING NOTE:
CALL TRAFFIC ENGINEERING AT 919-341-7888 A MIN. OF 48 HOURS PRIOR TO ANY EXCAVATION IN THE RW

ONSITE CIVIL GROUP
980 BIRMINGHAM ROAD, SUITE 501-340
MILTON, GEORGIA 30004
CONTACT: JARRETT SENKBEIL, PE, LEED AP
404-822-9147



CAUTION!!!
The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

CITY OF WILMINGTON GENERAL NOTES:

- PRIOR TO ANY CLEARING, GRADING OR ANY CONSTRUCTION ACTIVITY, TREE PROTECTION FENCE WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCE.
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING TO REQUEST INSTALLATION OF STREET NAME SIGNS.
- TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN. ADD A NOTE TO CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
- ANY MISSING OR BROKEN SIDEWALK PANELS, DRIVEWAY PANELS, OR CURB PANELS WILL BE REPLACED.
- CONTACT KAREN DIXON AT 910 341- 7888 TO DISCUSS STREET LIGHTING OPTIONS.
- PROJECT WILL COMPLY WITH CITY OF WILMINGTON CROSS CONNECTION CONTROL REQUIREMENTS.
- IF THE CONTRACTOR DESIRES CITY WATER FOR CONSTRUCTION HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICES ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- ANY IRRIGATION SYSTEM SUPPLIED BY CITY WATER SHALL COMPLY WITH THE CITY'S CROSS CONNECTION CONTROL REGULATIONS. CALL 343-3910 FOR INFORMATION.
- ANY BACKFLOW DEVICES REQUIRED BY THE CITY WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCHR OR ASSE.

ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCHS FIRM P-2025
980 BIRMINGHAM RD, SUITE 501-340, MILTON, GA 30004
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

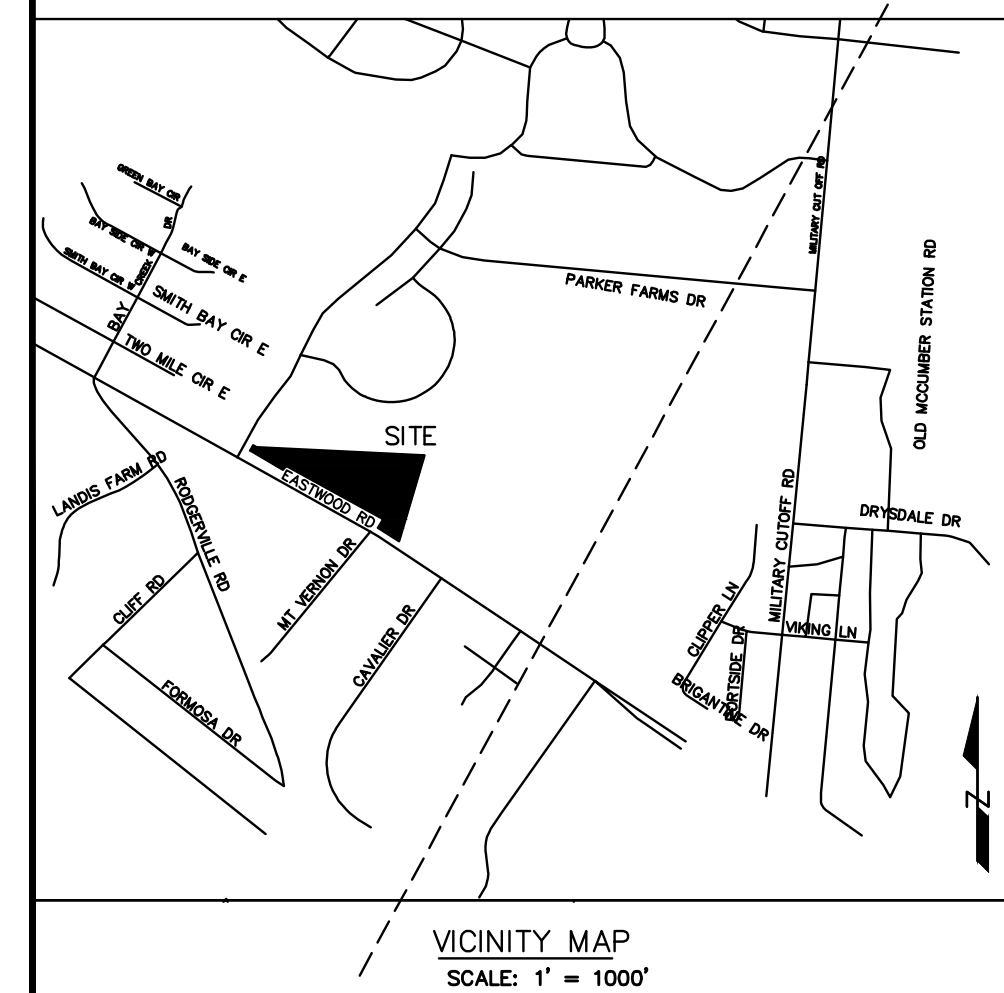
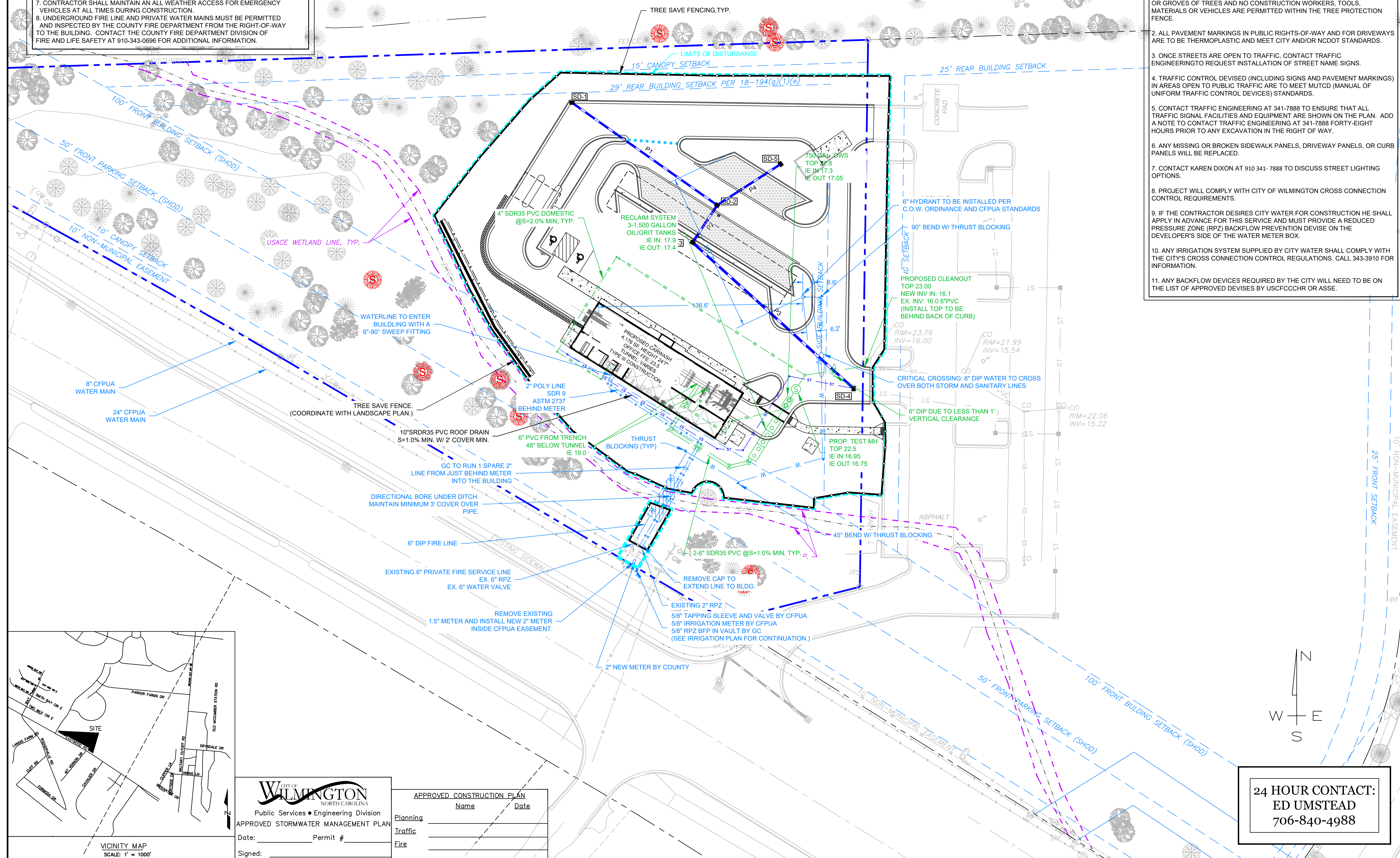
HORIZONTAL SCALE: 1" = 30'

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

UTILITY PLAN

DATE: JANUARY 25, 2021
PROJECT: 19-050
SHEET: C 601

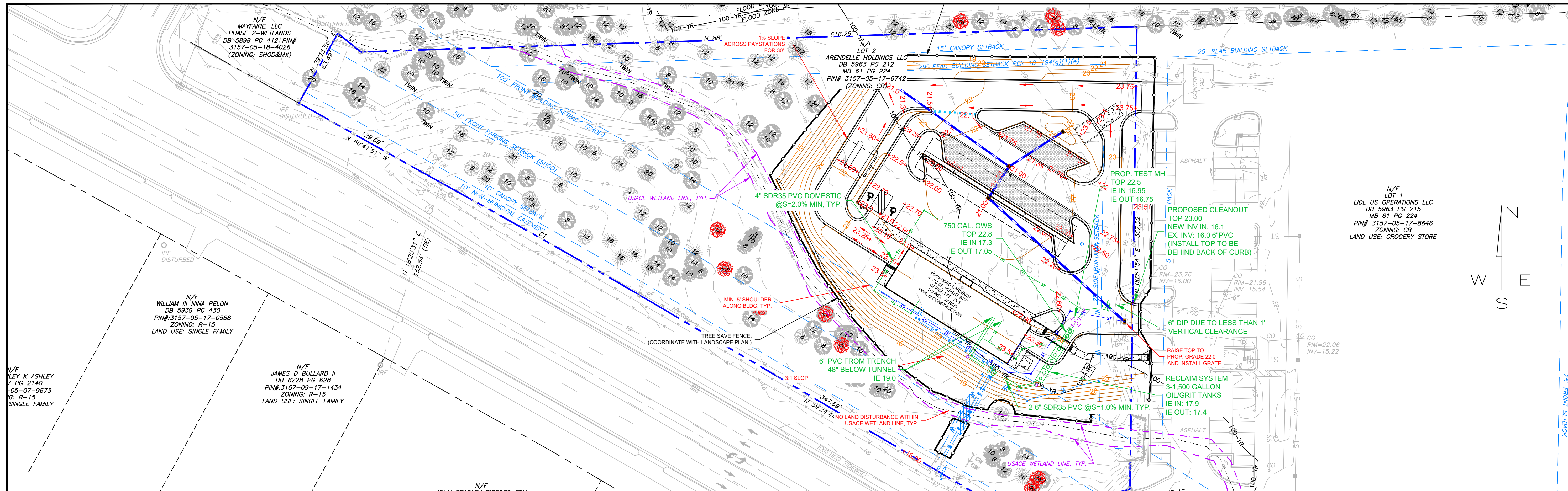


APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
Signed: _____

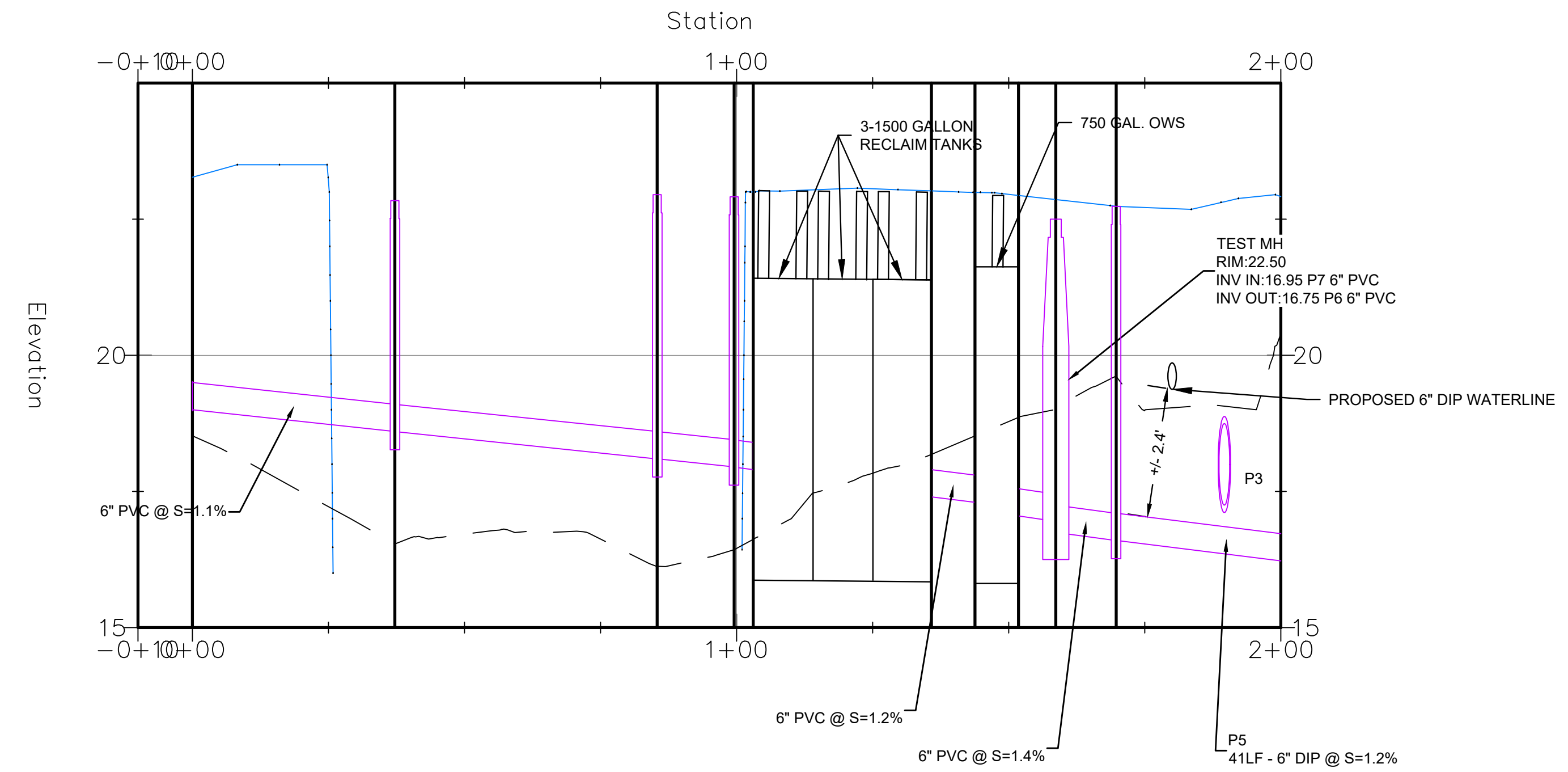
24 HOUR CONTACT:
ED UMSTEAD
706-840-4988



PLAN VIEW
HORIZONTAL SCALE: 1"=40'

Fresh Water Consumption		Reclaim Water Consumption	
FUNCTION	GAL PER CAR	FUNCTION	GAL PER CAR
Pre Soak #1	2	First Mitter	4
Scent Arch	1	Wraps	12
Pre Soak #2	1.5	High Pressure Side	22
Foamer 2nd	1.5	Omni Top	11
Foamer 3rd	1.5	Spinner 1	10
1st CTA	0.5	Spinner 2	10
2nd CTA	0.5	Underbody Spray #1	4.8
Back Applicator	1	Top Brush	4
Pre rinse	4		
Clear Coat	2		
Drying Agent	2		
Spot Free	7.5		
Tricolor Conditioner	3		
Prep Gun (4.5)	5.5		
Triple Polish	3		
Double Bond	2		
Rain Repellent	2		
Total	40.5	Total	77.8
Total Fresh Water Consumption W/O Reclaim	118.3	Total	62.85
Total Fresh Water used per car	17.25		
Projected Cars per month	4500		
Total Fresh Water Used per car per month	77625		
5 gal loss per car due to Evaporation and drive off	22500		
Total Water Sent to Sewer	55125		

SANITARY SEWER PROFILE



PROFILE VIEW
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=2'

ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
980 BIRMINGHAM RD, SUITE 500-540, MILTON, GA 30004
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

UTILITY PLAN & PROFILES

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: C 602

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	_____
Traffic	_____
Fire	_____

Date: _____ Permit # _____
Signed: _____

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

- EROSION CONTROL NOTES:**
1. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
 2. ANY GRADING BEYOND THE DENUDED LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
 3. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
 4. ALL SLOPES AND PERIMETER AREAS MUST BE SEEDED OR MULCHED WITHIN 7 CALENDAR DAYS, 14 DAYS FOR ALL OTHER AREAS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
 5. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPT.
 6. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
 7. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
 8. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE CONSTRUCTION MEETING.
 9. SELF INSPECTION AND DOCUMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL EVENT AS MEASURED BY AN ON-SITE RAIN GAUGE.

EROSION CONTROL CALCULATIONS:
 STORAGE REQUIRED: 1,800 CF/ACRE DISTURBED * 1.65 DISTURBED ACRES = 2,610 CF
 STORAGE PROVIDED: 7,083 CF > 2,610 CF REQ'D.
 7,083 CF PROVIDED @ 16.5' TOP OF DAM 17.5-1.0' FREEBOARD.
 SURFACE AREA REQ'D. 325 SF /CFS @ Q10. Q10=CIA= 7 in/hr * 1.52 acres * 0.75 * 325SF = 2,594 SF.
 8,283 SF PROVIDED @ 16.5-2.594 SF REQUIRED.

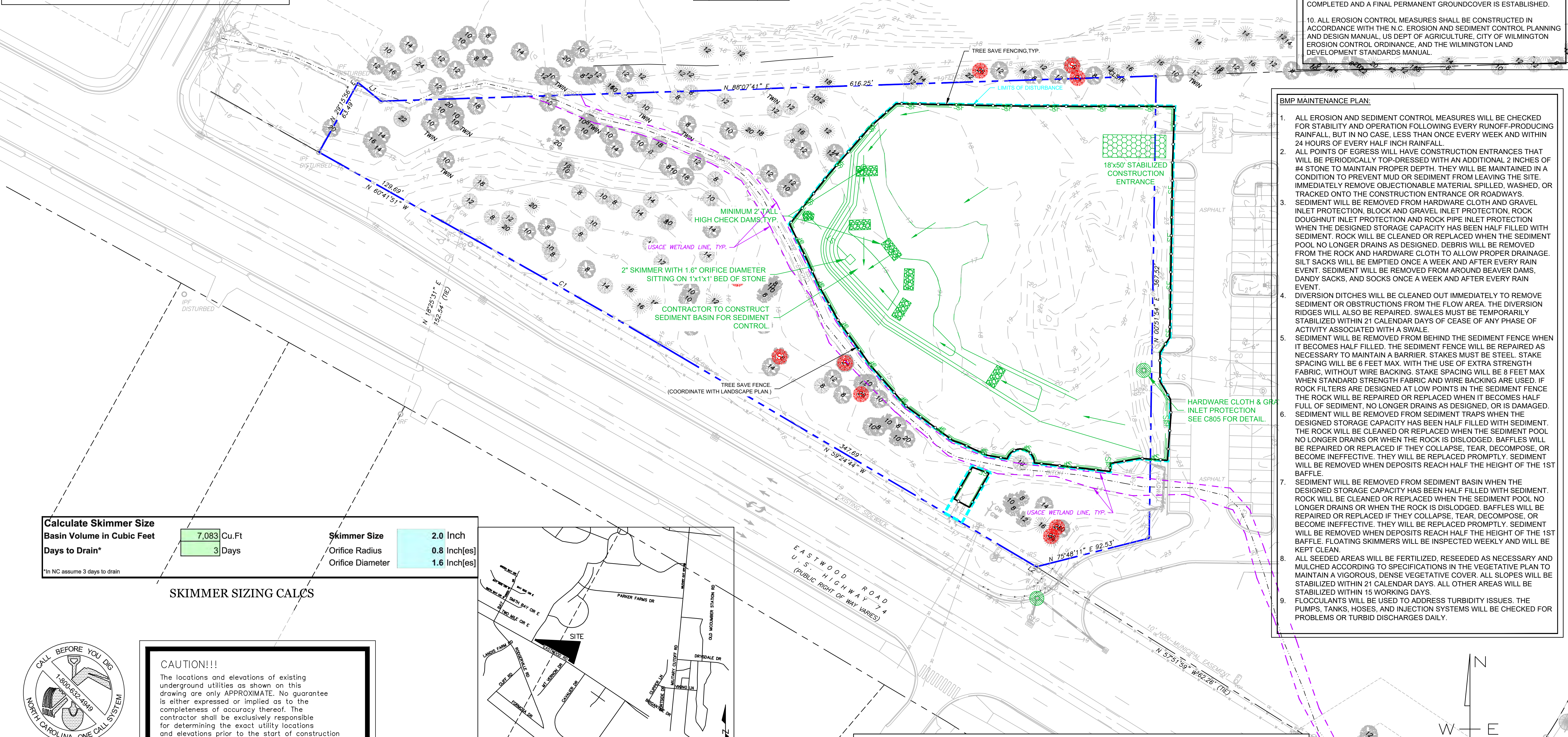
SEDIMENT BASIN STAGE/STORAGE (ELEVATION-CONTOUR AREA)
 15 - 1,295 SF (0 CF)
 16 - 5,184 SF (3,023 CF)
 17 - 11,470 SF (11,144 CF)

- NOTES:**
1. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE LANDSCAPE PLAN
 2. TOTAL SITE ACREAGE: 3.55 ACRES DISTURBED AREA: 1.65 ACRES
 3. ACCORDING TO SOIL SURVEY OF NEW HAVOVER COUNTY, NORTH CAROLINA THE SITE CONSISTS OF: (SEE C704 FOR SOILS MAP.)
 4. ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
 5. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE.

- CONSTRUCTION SEQUENCE NOTES:**
1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE NEW HANOVER COUNTY ENGINEERING DEPARTMENT. OBTAIN STORMWATER AND OTHER PLAN APPROVALS FROM CITY OF WILMINGTON.
 2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE COUNTY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. ALSO SCHEDULE A PRECON WITH THE CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO FINE.
 3. INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
 4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 6. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
 7. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
 8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 9. DETENTION WILL BE CLEANED OUT WHEN SITE WORK AND PAVING ARE COMPLETED AND A FINAL PERMANENT GROUND COVER IS ESTABLISHED.
 10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT OF AGRICULTURE, CITY OF WILMINGTON EROSION CONTROL ORDINANCE, AND THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,008.89'	N 60°29'19" W	180.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 60°40'04" E	23.40'
L2	N 59°24'44" W	3.53'



- BMP MAINTENANCE PLAN:**
1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS, AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED WHEN IT BECOMES FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED, OR IS DAMAGED. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 6. SEDIMENT WILL BE REMOVED FROM SEDIMENT BASIN WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 7. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
 8. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES, AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

Calculate Skimmer Size

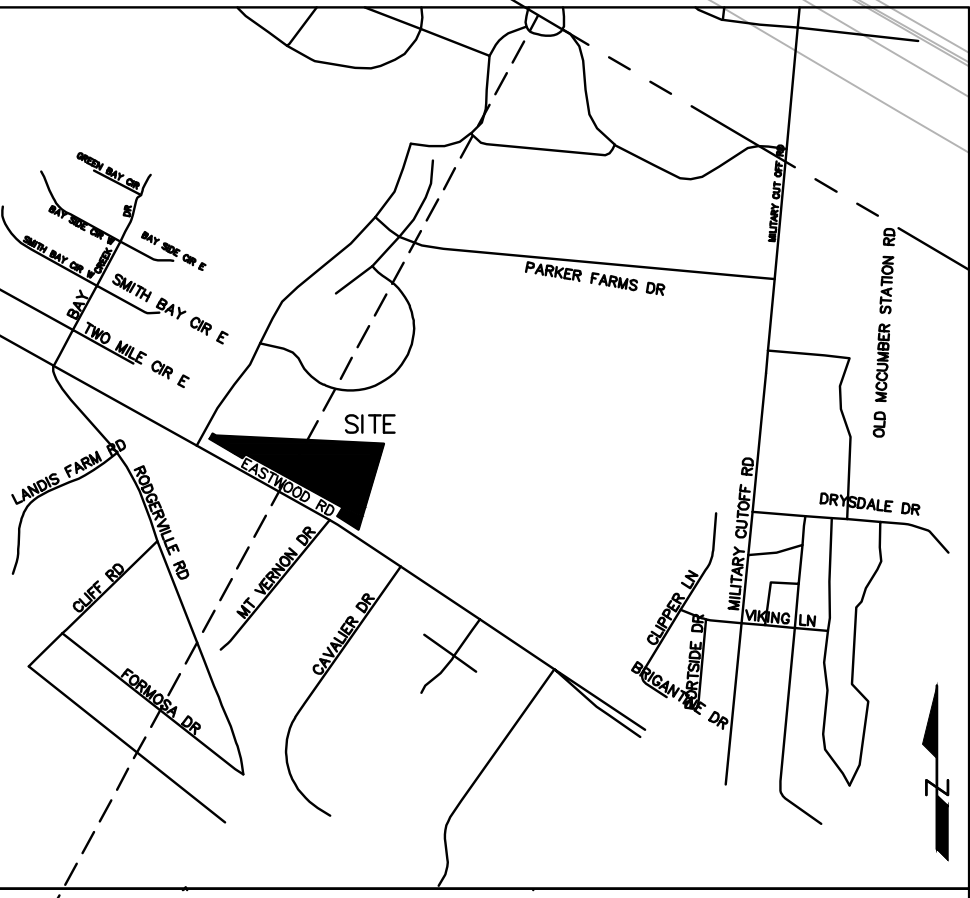
Basin Volume in Cubic Feet	7,083 Cu.Ft	Skimmer Size	2.0 Inch
Days to Drain*	3 Days	Orifice Radius	0.8 Inch[es]
		Orifice Diameter	1.6 Inch[es]

*In NC assume 3 days to drain

SKIMMER SIZING CALCS



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction



CITY OF WILMINGTON EROSION CONTROL NOTES:

1. FINANCIALLY RESPONSIBLE PARTY: PAYNE UMSTEAD PROPERTIES, 609 BRAE BURN DRIVE, MARTINEZ, GA 30907. CONTACT: ED UMSTEAD, EDUMSTEAD@COMCAST.NET, PHONE: 706-840-4988, FAX: 706-963-7935. NO AGENT IS STEPHEN UMSTEAD, 103 BRADLEY PINES, WILMINGTON, NC 28403. PHONE 910-262-2831
2. LATITUDE: 34°13'58", LONGITUDE: 77°50'09"

SITE AREA DESCRIPTION	NPDES STABILIZATION TIMEFRAMES	
	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HWQ) 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 HWQ ZONES

24 HOUR CONTACT:
ED UMSTEAD
 706-840-4988

ON SITE CIVIL GROUP
 ON-SITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-26055
 980 BIRMINGHAM RD, SUITE 500-340, MILTON, GA 30004
 PHONE: 678-465-3334
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ON-SITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ON-SITE CIVIL GROUP, LLC.

1-25-21

REVISIONS		
No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPASHANDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

EROSION CONTROL PLAN - PHASE I

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: **C 701**

CITY OF WILMINGTON
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
 Signed: _____

- EROSION CONTROL NOTES:**
1. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
 2. ANY GRADING BEYOND THE DENUDE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
 3. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
 4. ALL SLOPES AND PERIMETER AREAS MUST BE SEEDED OR MULCHED WITHIN 7 CALENDAR DAYS, 14 DAYS FOR ALL OTHER AREAS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
 5. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPT.
 6. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
 7. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
 8. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE CONSTRUCTION MEETING.
 9. SELF INSPECTION AND DOCUMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL EVENT AS MEASURED BY AN ON-SITE RAIN GAUGE.

EROSION CONTROL CALCULATIONS:
 STORAGE REQUIRED: 1,800 CF/ACRE DISTURBED * 1.65 DISTURBED ACRES = 2,610 CF
 STORAGE PROVIDED: 7,083 CF > 2,610 CF REQ'D.
 7,083 CF PROVIDED @ 16.5' TOP OF DAM 17.5-1.0' FREEBOARD.
 SURFACE AREA REQ'D: 325 SF /CFS @ Q10. Q10=CIA= 7 in/hr * 1.52 acres * 0.75 * 325SF = 2,594 SF.
 8,283 SF PROVIDED @ 16.5>2,594 SF REQUIRED.

SEDIMENT BASIN STAGE/STORAGE (ELEVATION-CONTOUR AREA)
 15 - 1,295 SF (0 CF)
 16 - 5,184 SF (3,023 CF)
 17 - 11,470 SF (11,144 CF)

- NOTES:**
1. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE LANDSCAPE PLAN
 2. TOTAL SITE ACREAGE: 3.55 ACRES DISTURBED AREA: 1.65 ACRES
 3. ACCORDING TO SOIL SURVEY OF NEW HAVOVER COUNTY, NORTH CAROLINA THE SITE CONSISTS OF: (SEE C704 FOR SOILS MAP.)
 4. ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
 5. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE.

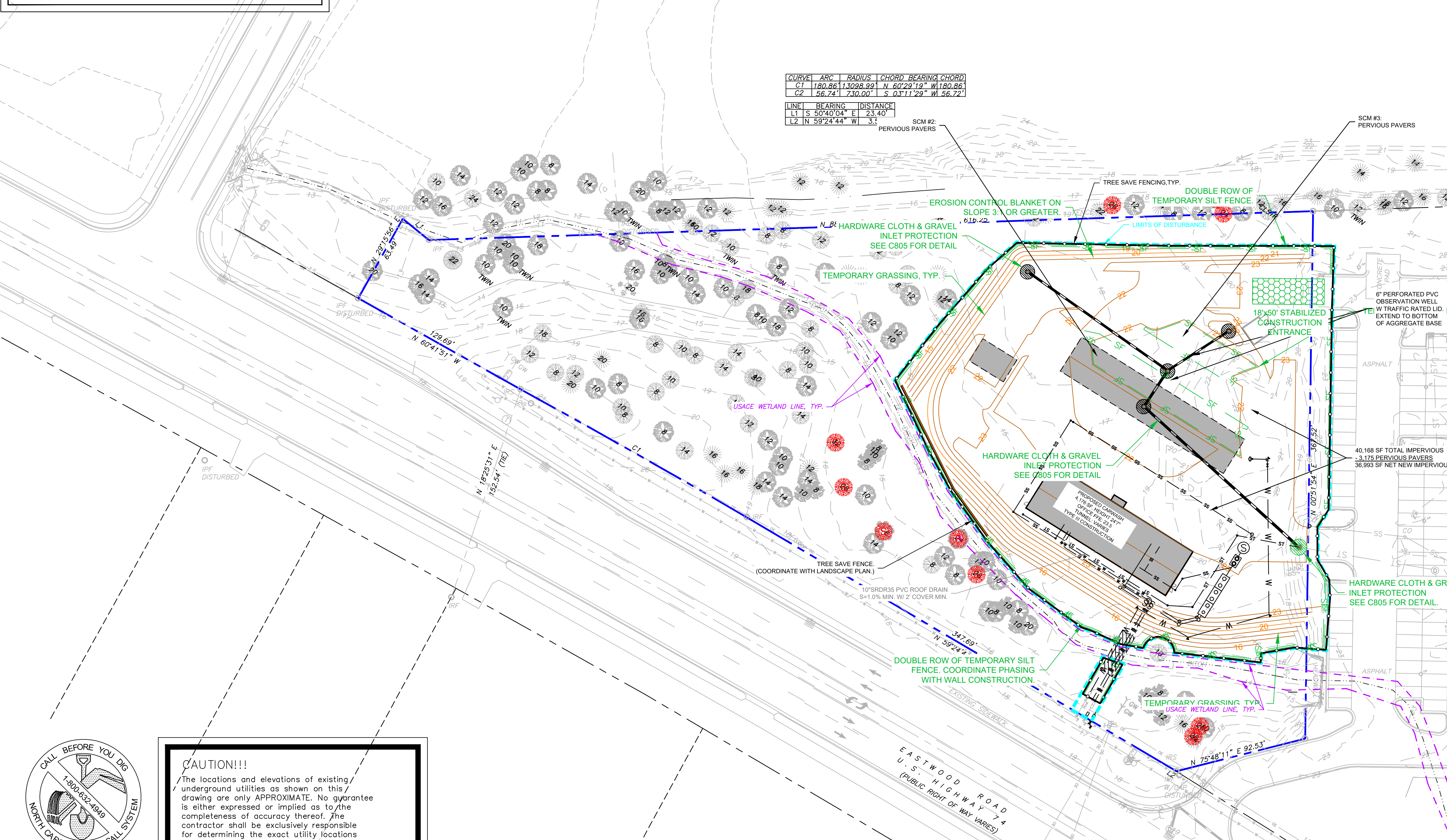
- CONSTRUCTION SEQUENCE NOTES:**
1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE NEW HANOVER COUNTY ENGINEERING DEPARTMENT. OBTAIN STORMWATER AND OTHER PLAN APPROVALS FROM CITY OF WILMINGTON.
 2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE COUNTY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. ALSO SCHEDULE A PRECON WITH THE CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO FINE.
 3. INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
 4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 6. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
 7. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
 8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 9. DETENTION WILL BE CLEANED OUT WHEN SITE WORK AND PAVING ARE COMPLETED AND A FINAL PERMANENT GROUND COVER IS ESTABLISHED.
 10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT OF AGRICULTURE, CITY OF WILMINGTON EROSION CONTROL ORDINANCE, AND THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.

ON SITE CIVIL GROUP
 ON-SITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2625
 980 BIRMINGHAM RD, SUITE 500-540, MILTON, GA 30004
 PHONE: 678-485-3334
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

CURVE	ARC	RADIUS	CHORD BEARING	CHORD
C1	180.86'	1,3098.92'	N 60°29'19" W	180.86'
C2	56.74'	730.00'	S 03°11'29" W	56.72'

LINE	BEARING	DISTANCE
L1	S 50°40'04" E	23.40'
L2	N 59°24'44" W	3.2'



- BMP MAINTENANCE PLAN:**
1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS, AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED WHEN IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED, OR IS DAMAGED.
 6. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE.
 7. SEDIMENT WILL BE REMOVED FROM SEDIMENT BASIN WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 8. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 15 WORKING DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 21 CALENDAR DAYS.
 9. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES, AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

0 40 80 Feet
 HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPASHANDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

EROSION CONTROL PLAN - PHASE II

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: **C 702**



CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

CITY OF WILMINGTON EROSION CONTROL NOTES:

1. FINANCIALLY RESPONSIBLE PARTY: PAYNE UMSTEAD PROPERTIES, 609 BRAE BURN DRIVE, MARTINEZ, GA 30907. CONTACT: ED UMSTEAD, EDUMSTEAD@COMCAST.NET, PHONE: 706-840-4988, FAX: 706-863-7935. NC AGENT IS STEPHEN UMSTEAD, 103 BRADLEY PINES, WILMINGTON, NC 28403. PHONE 910-262-2831
2. LATITUDE: 34°13'58", LONGITUDE: 77°50'09"

NPDES STABILIZATION TIMEFRAMES

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HWQ) 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 HWQ ZONES

24 HOUR CONTACT:
ED UMSTEAD
 706-840-4988

CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
 Signed: _____

EROSION CONTROL NOTES:

1. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
2. ANY GRADING BEYOND THE DENUDE LIMITS SHOWN ON THE PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
3. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE CITY/COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
4. ALL SLOPES AND PERIMETER AREAS MUST BE SEEDED OR MULCHED WITHIN 7 CALENDAR DAYS, 14 DAYS FOR ALL OTHER AREAS. REFER TO EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
5. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY ENGINEERING DEPT.
6. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1.
7. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
8. DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT OF WAY MUST BE PRESENTED AT PRE CONSTRUCTION MEETING.
9. SELF INSPECTION AND DOCUMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES IS REQUIRED ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL EVENT AS MEASURED BY AN ON-SITE RAIN GAUGE.

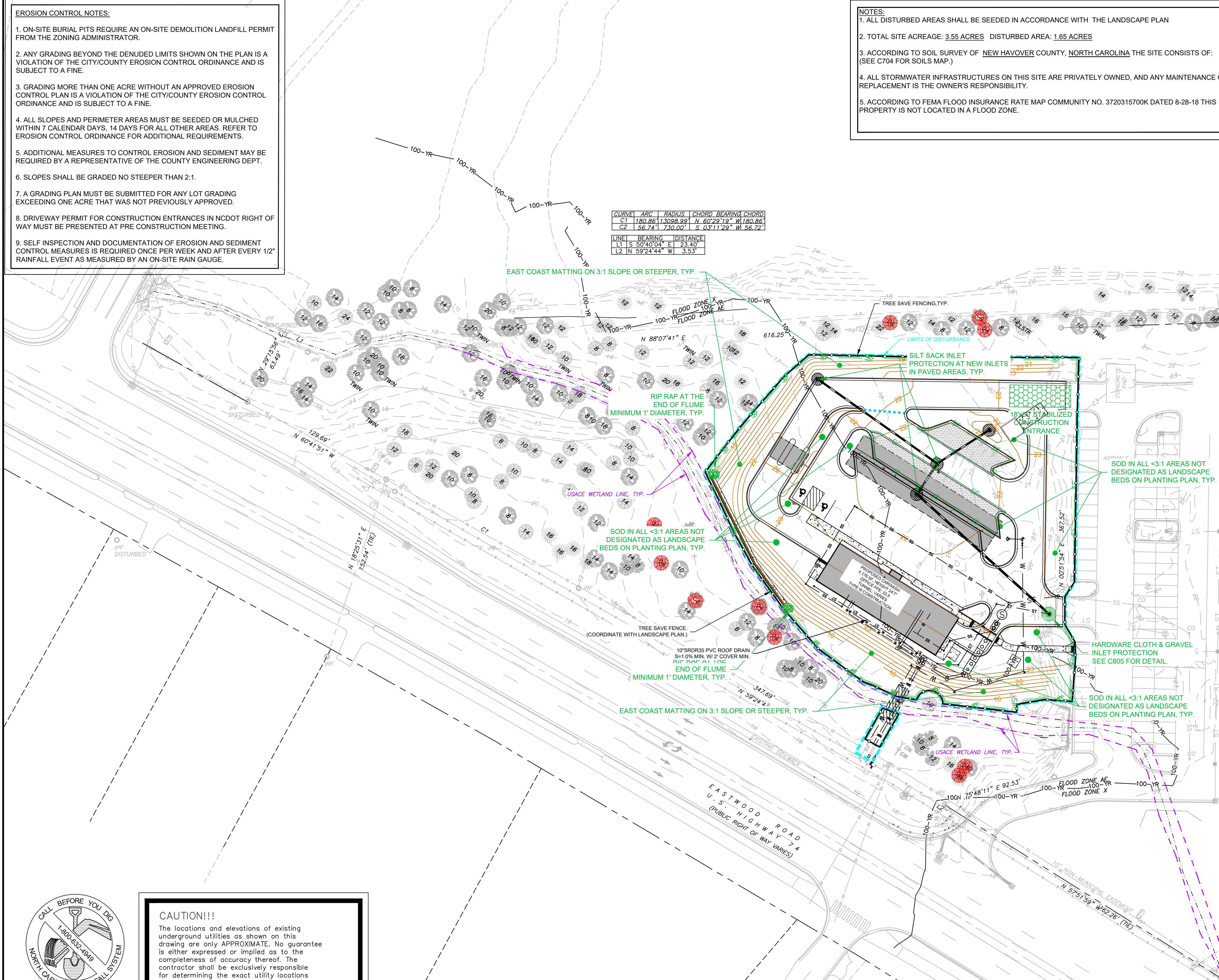
- NOTES:**
1. ALL DISTURBED AREAS SHALL BE SEEDED IN ACCORDANCE WITH THE LANDSCAPE PLAN
 2. TOTAL SITE ACREAGE: 3.55 ACRES DISTURBED AREA: 1.65 ACRES
 3. ACCORDING TO SOIL SURVEY OF NEW HAVOVER COUNTY, NORTH CAROLINA THE SITE CONSISTS OF: (SEE C704 FOR SOILS MAP.)
 4. ALL STORMWATER INFRASTRUCTURES ON THIS SITE ARE PRIVATELY OWNED, AND ANY MAINTENANCE OR REPLACEMENT IS THE OWNER'S RESPONSIBILITY.
 5. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP COMMUNITY NO. 3720315700K DATED 8-28-18 THIS PROPERTY IS NOT LOCATED IN A FLOOD ZONE.

- CONSTRUCTION SEQUENCE NOTES:**
1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE NEW HANOVER COUNTY ENGINEERING DEPARTMENT. OBTAIN STORMWATER AND OTHER PLAN APPROVALS FROM CITY OF WILMINGTON.
 2. SET UP AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH EROSION CONTROL INSPECTOR OF THE COUNTY ENGINEERING DEPARTMENT TO DISCUSS EROSION CONTROL MEASURES. ALSO SCHEDULE A PRECON WITH THE CITY ENGINEERING DEPARTMENT. FAILURE TO SCHEDULE SUCH CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS A VIOLATION OF CHAPTER 17 OF THE CITY CODE AND IS SUBJECT TO FINE.
 3. INSTALL SILT FENCE, INLET PROTECTION, SEDIMENT TRAPS, DIVERSION DITCHES, TREE PROTECTION, AND OTHER MEASURES AS SHOWN ON PLANS, CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
 4. CALL FOR ON-SITE INSPECTION BY INSPECTOR. WHEN APPROVED, INSPECTOR ISSUES GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
 5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
 6. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO COMMENCING WITH EACH PHASE OF EROSION CONTROL MEASURES.
 7. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
 8. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURE.
 9. DETENTION WILL BE CLEANED OUT WHEN SITE WORK AND PAVING ARE COMPLETED AND A FINAL PERMANENT GROUND COVER IS ESTABLISHED.
 10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, US DEPT OF AGRICULTURE, CITY OF WILMINGTON EROSION CONTROL ORDINANCE, AND THE WILMINGTON LAND DEVELOPMENT STANDARDS MANUAL.

- BMP MAINTENANCE PLAN:**
1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2 INCHES OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS, AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC, WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET MAX WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE DESIGNED AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED WHEN IT BECOMES FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED, OR IS DAMAGED.
 6. SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. THE ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE.
 7. SEDIMENT WILL BE REMOVED FROM SEDIMENT BASIN WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
 8. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE STABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.
 9. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES, AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

CURVE	ARC	RADIUS	CHORD	BEARING	CHORD
C1	180.86'	13098.99'	N 67°29'19" W	180.86'	
C2	56.74'	730.00'	S 03°11'29" W	56.72'	

LINE	BEARING	DISTANCE
L1	S 90°40'04" E	23.40'
L2	N 59°24'44" W	3.53'



ON SITE CIVIL GROUP
 ON-SITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCBELS FIRM P-2625
 980 BIRMINGHAM RD, SUITE 500-540, MILTON, GA 30004
 PHONE: 770-445-3334
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

HORIZONTAL SCALE: 1"=40'

CLIENT:
 SND MAYFARE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPASHANDASHONLINE.COM

SPLASH N DASH MAYFARE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

EROSION CONTROL PLAN - PHASE III

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: **C 703**

CAUTION!!!
 The locations and elevations of existing underground utilities as shown on this drawing are only APPROXIMATE. No guarantee is either expressed or implied as to the completeness of accuracy thereof. The contractor shall be exclusively responsible for determining the exact utility locations and elevations prior to the start of construction

SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HWQ) 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 HWQ ZONES

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

CITY OF WILMINGTON EROSION CONTROL NOTES:

1. FINANCIALLY RESPONSIBLE PARTY: PAYNE UMSTEAD PROPERTIES, 609 BRAE BURN DRIVE, MARTINEZ, GA 30907. CONTACT: ED UMSTEAD, EDUMSTEAD@COMCAST.NET, PHONE: 706-840-4988, FAX: 706-863-7935. NC AGENT IS STEPHEN UMSTEAD, 103 BRADLEY PINES, WILMINGTON, NC 28403. PHONE 910-262-2831
2. LATITUDE: 34°13'58", LONGITUDE: 77°50'09"

CITY OF WILMINGTON
 Public Services • Engineering Division
 APPROVED STORMWATER MANAGEMENT PLAN

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

Date: _____ Permit # _____
 Signed: _____





FLOOD HAZARD INFORMATION
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

WITHOUT BASE FLOOD ELEVATION (BFE)
Zone 1: 2.0
With BFE or Depth Zone 2: AE, AH, VE, VE-1

SPECIAL FLOOD HAZARD AREAS
Regulatory Floodway
1% Annual Chance Flood Hazard, Area of 1% Annual Chance Flood with average depth less than one foot or with average depth less than one foot and with average depth less than one foot and with average depth less than one foot (Zone 1)
Future Conditions 2% Annual Chance Flood Hazard (Zone 2)
Area with Flood Risk due to Levees (Zone 3)
Area with Flood Risk due to Levees (Zone 4)
NO SCREEN Area of Minimal Flood Hazard (Zone 5)

OTHER AREAS OF FLOOD HAZARD
Effective LORs
Area of Undetermined Flood Hazard (Zone 6)

OTHER AREAS
Channel, Culvert, or Storm Sewer
Zone 1
Zone 2
Zone 3
Zone 4
Zone 5
Zone 6

GENERAL STRUCTURES
Water Surface Elevation
Coastal Trench
Coastal Trench Baseline
Profile Baseline
Hydrographic Feature
Base Flood Elevation Line (BFE)
Line of Study
Jurisdiction Boundary

OTHER FEATURES
Jurisdiction Boundary

NOTES TO USERS
The information contained herein is based on the Flood Insurance Rate Map (FIRM) and other information available to the National Flood Insurance Program (NFIP) as of August 28, 2018. This information is provided for informational purposes only and is not intended to be used for any other purpose. For more information, please contact your local NFIP office.

SCALE
1 inch = 500 feet
1:500

NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP
PANEL 3157 of 3280

Panel Contains:

COMMUNITY	NUMBER	PANEL
NEW HANOVER COUNTY	370168	3157
CITY OF WILMINGTON	370171	3157
TOWN OF WRIGHTSVILLE BEACH	375361	3157

MAP NUMBER
3720315700K
EFFECTIVE DATE
August 28, 2018

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Be	Baymeade fine sand, 1 to 6 percent slopes	2.1	26.1%
JO	Johnston soils	1.9	23.7%
Le	Leon sand	0.2	2.5%
On	Onslow loamy fine sand	3.5	42.6%
Se	Seagale fine sand	0.2	2.9%
Wo	Woodington fine sandy loam	0.2	2.2%
Totals for Area of Interest		8.1	100.0%

NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP
PANEL 3157 of 3280

Panel Contains:

COMMUNITY	NUMBER	PANEL
NEW HANOVER COUNTY	370168	3157
CITY OF WILMINGTON	370171	3157
TOWN OF WRIGHTSVILLE BEACH	375361	3157

MAP NUMBER
3720315700K
EFFECTIVE DATE
August 28, 2018

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	_____
Traffic	_____
Fire	_____

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

EROSION CONTROL PLAN - NOTES

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: **C 706**

REVISIONS

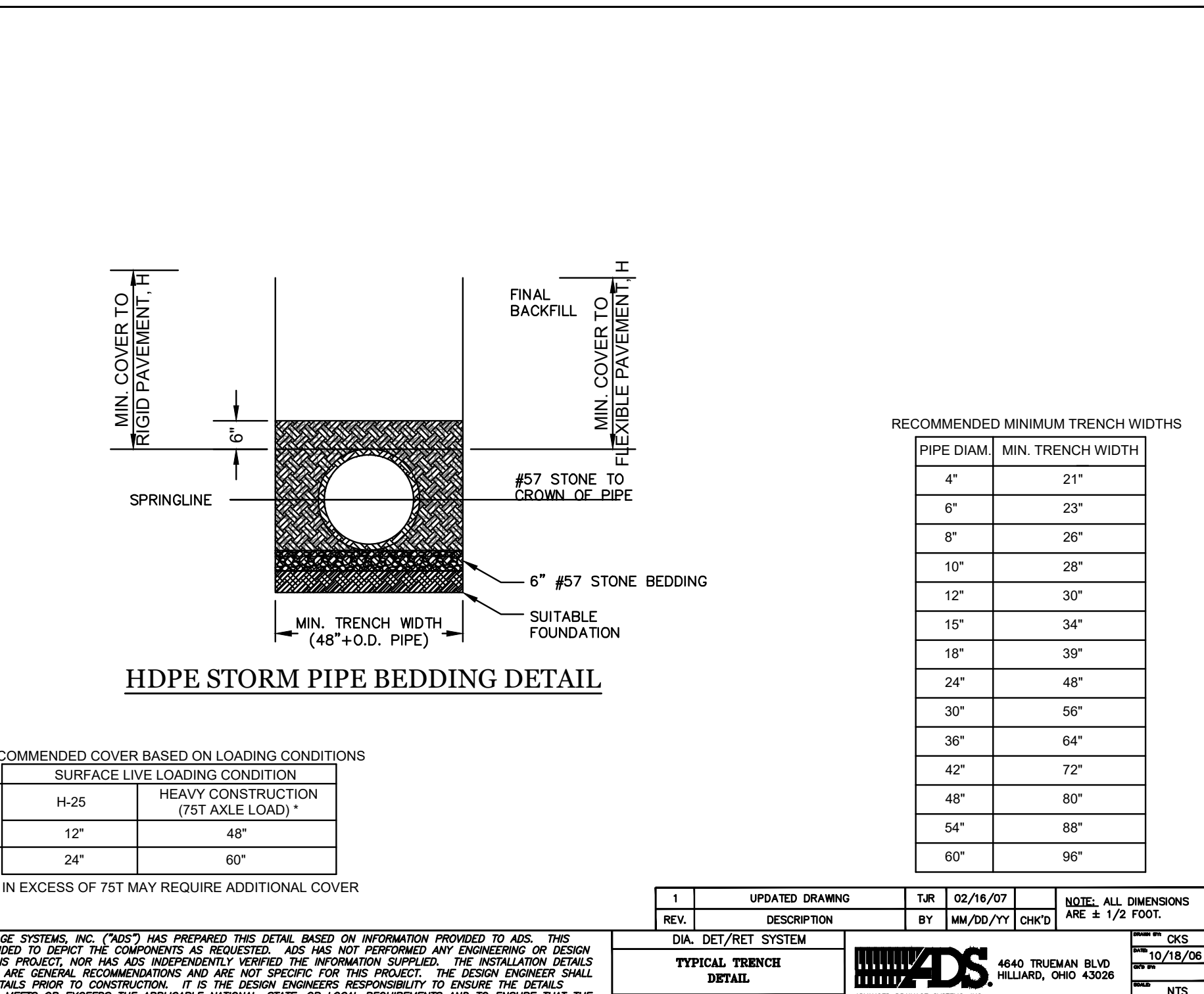
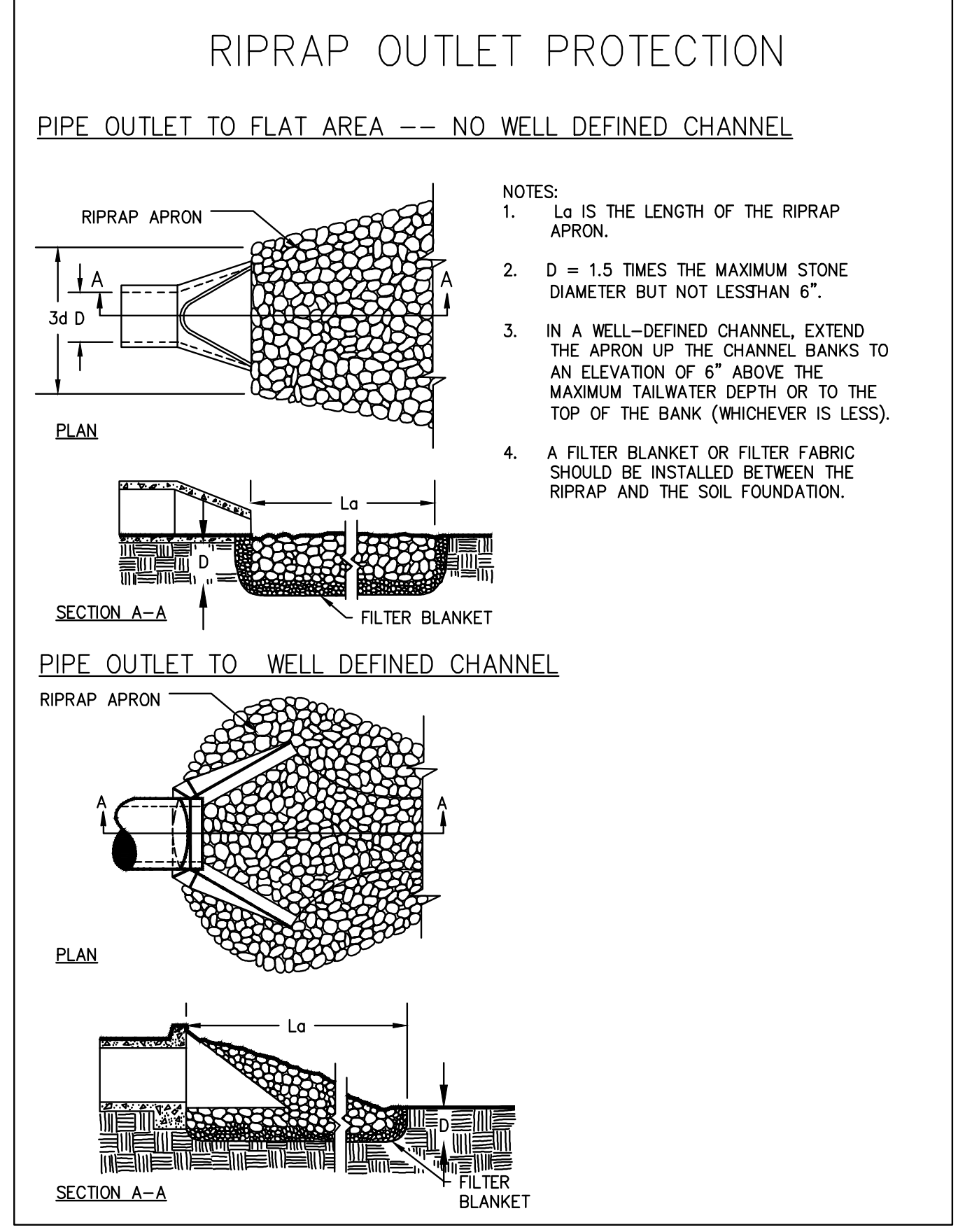
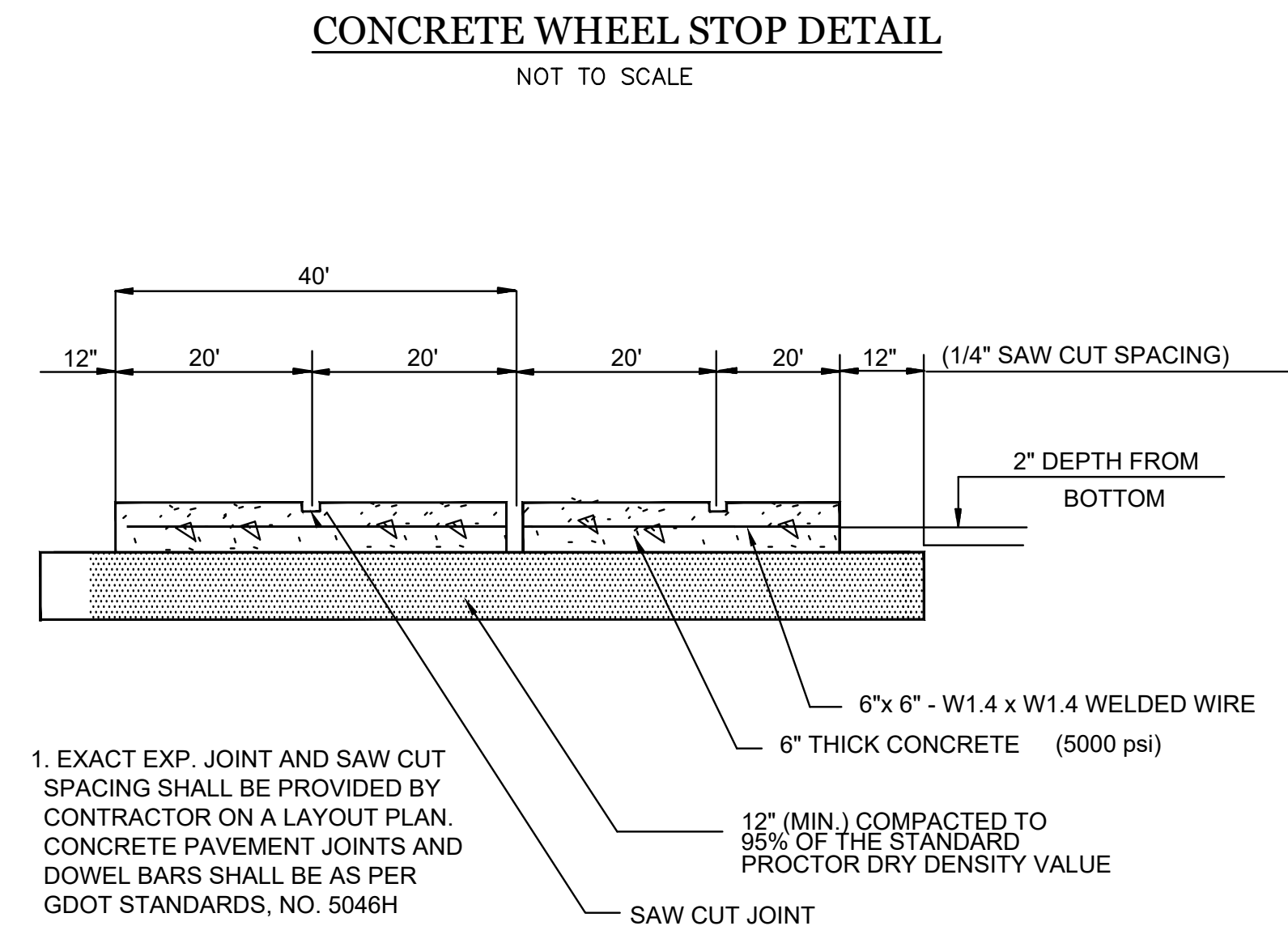
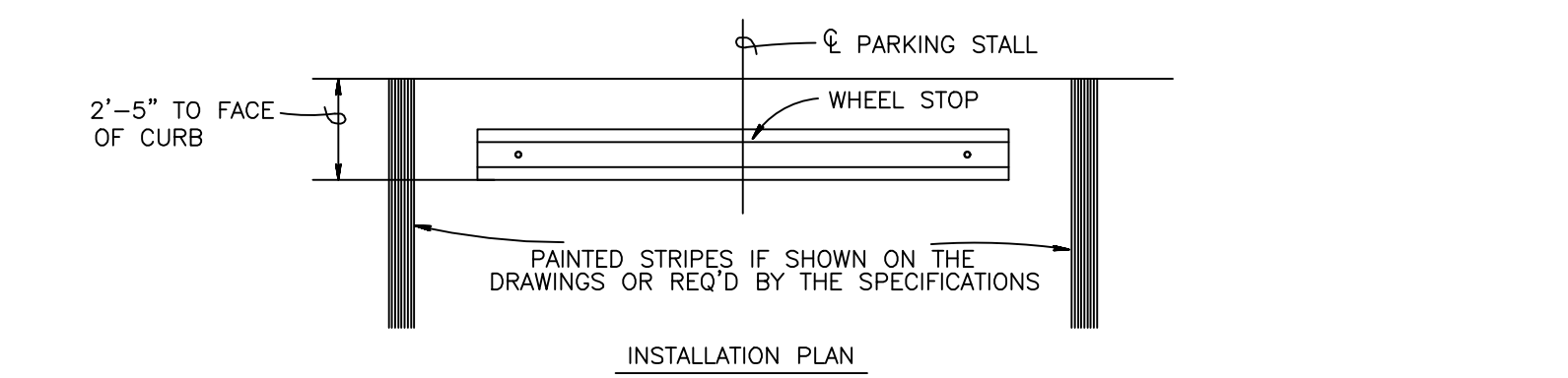
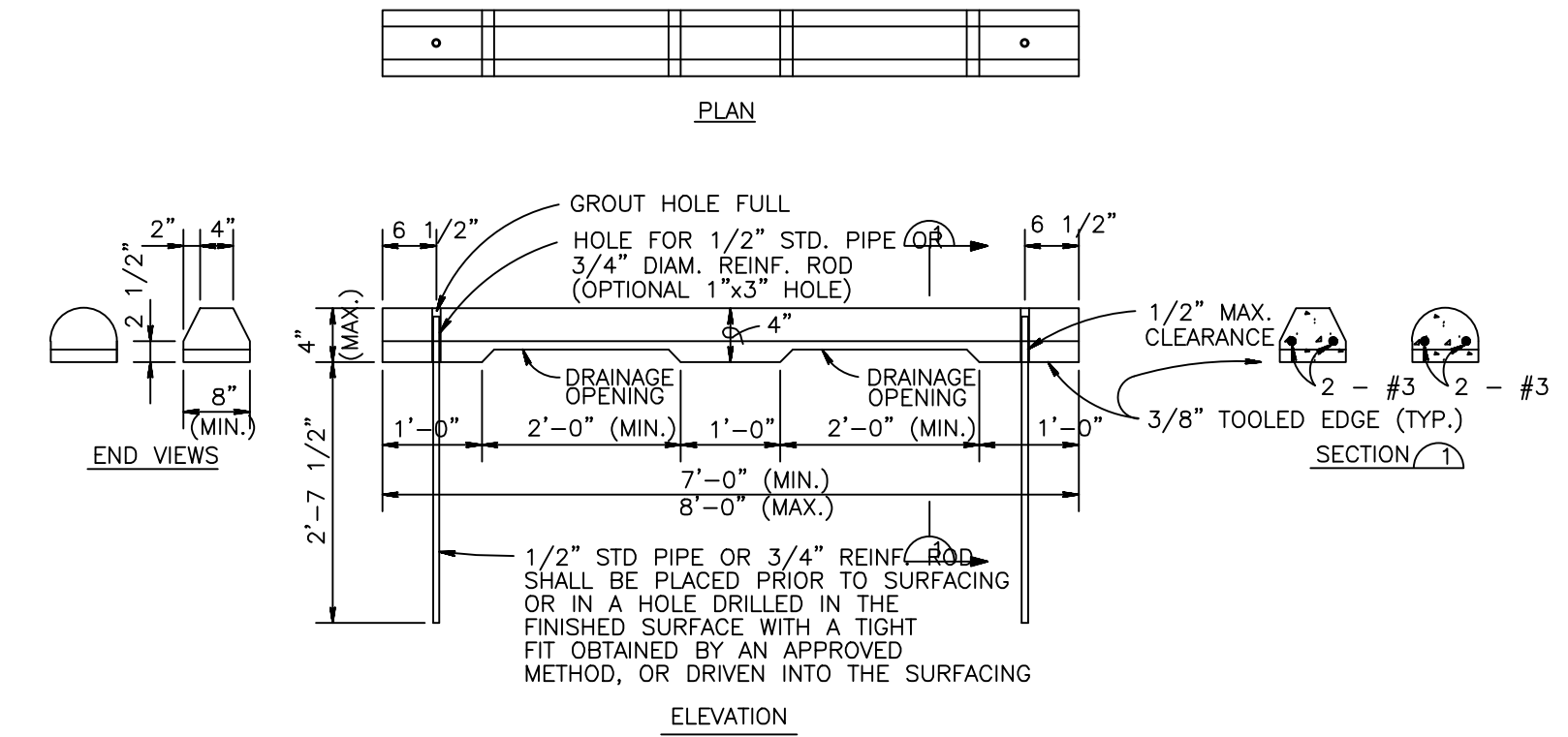
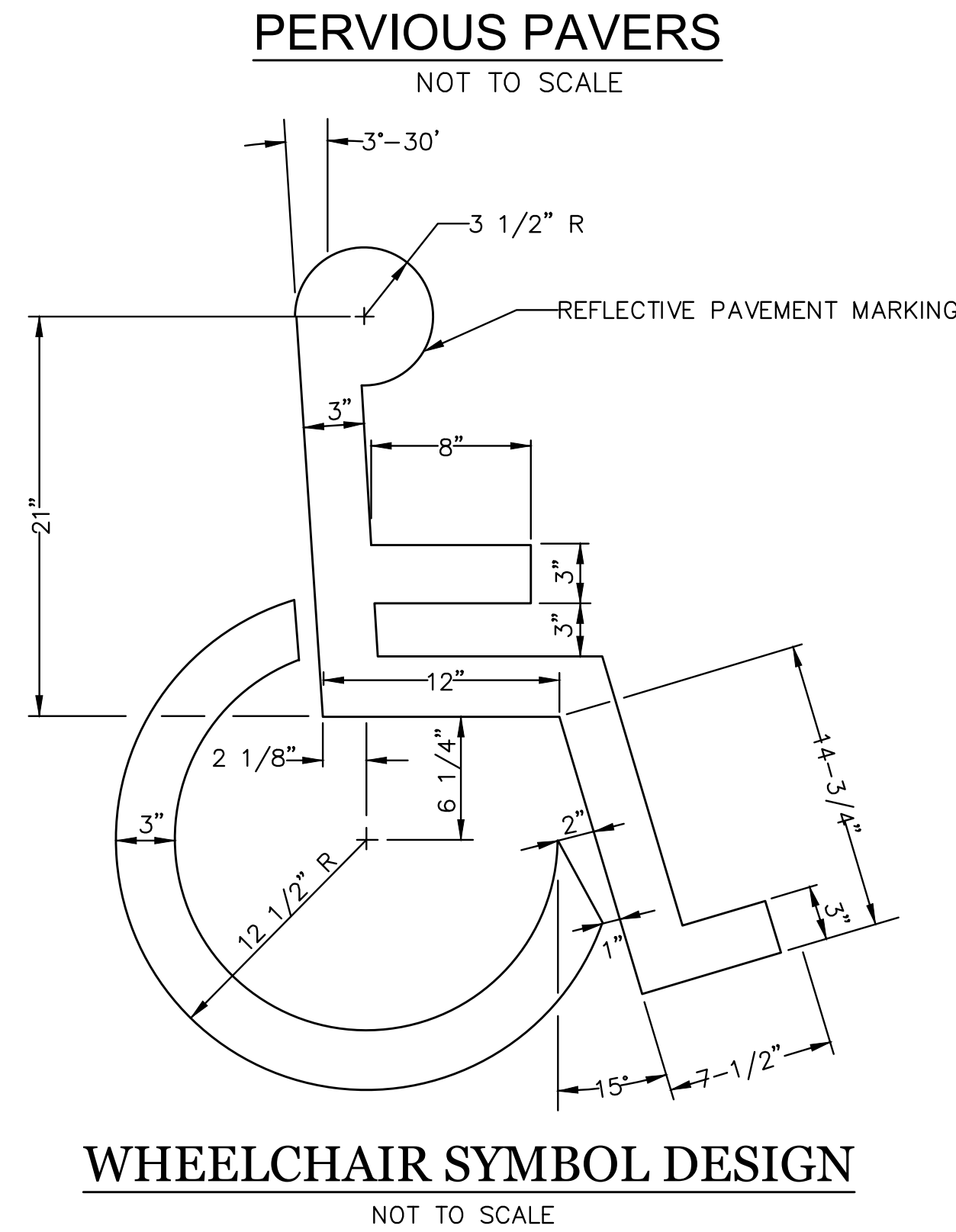
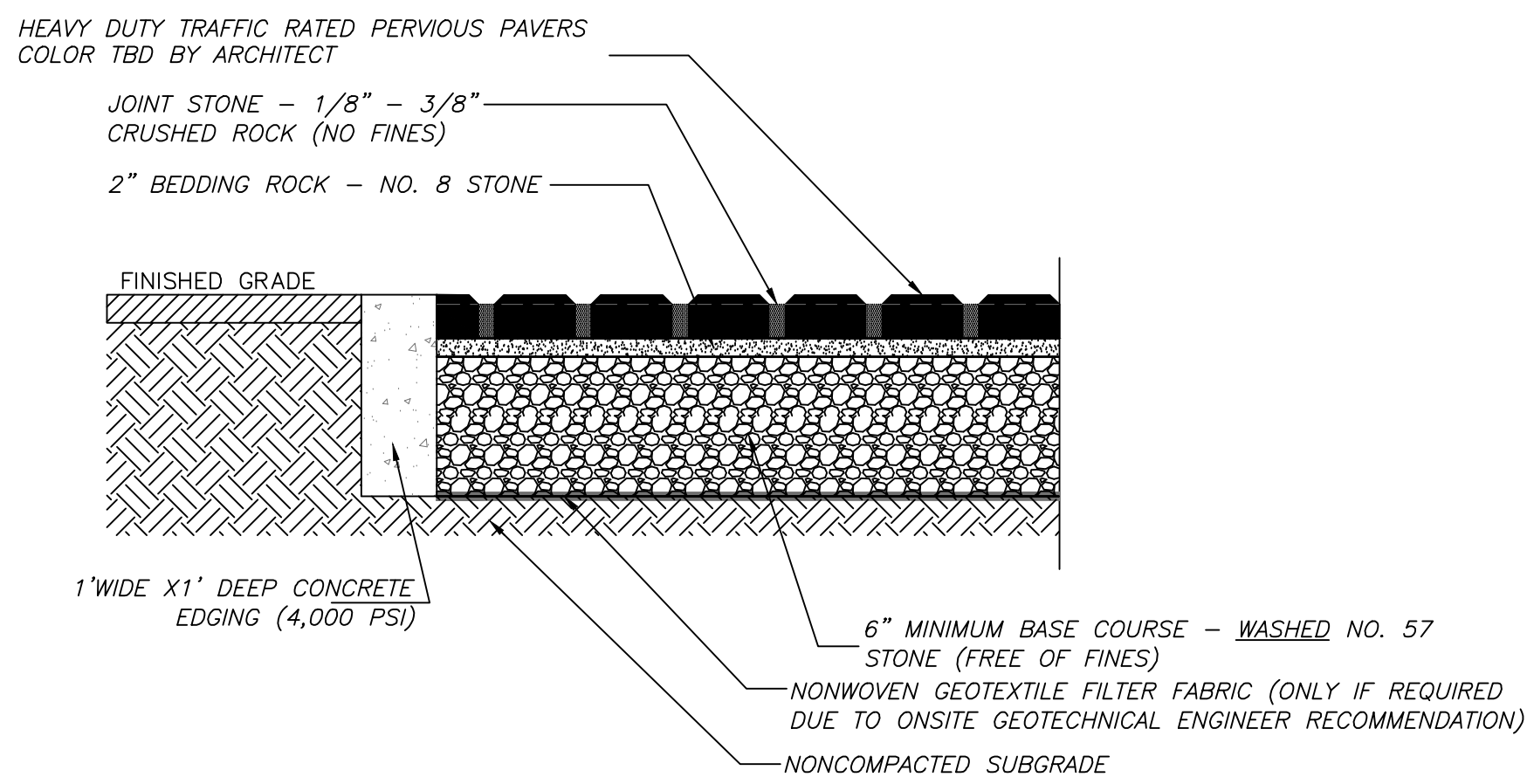
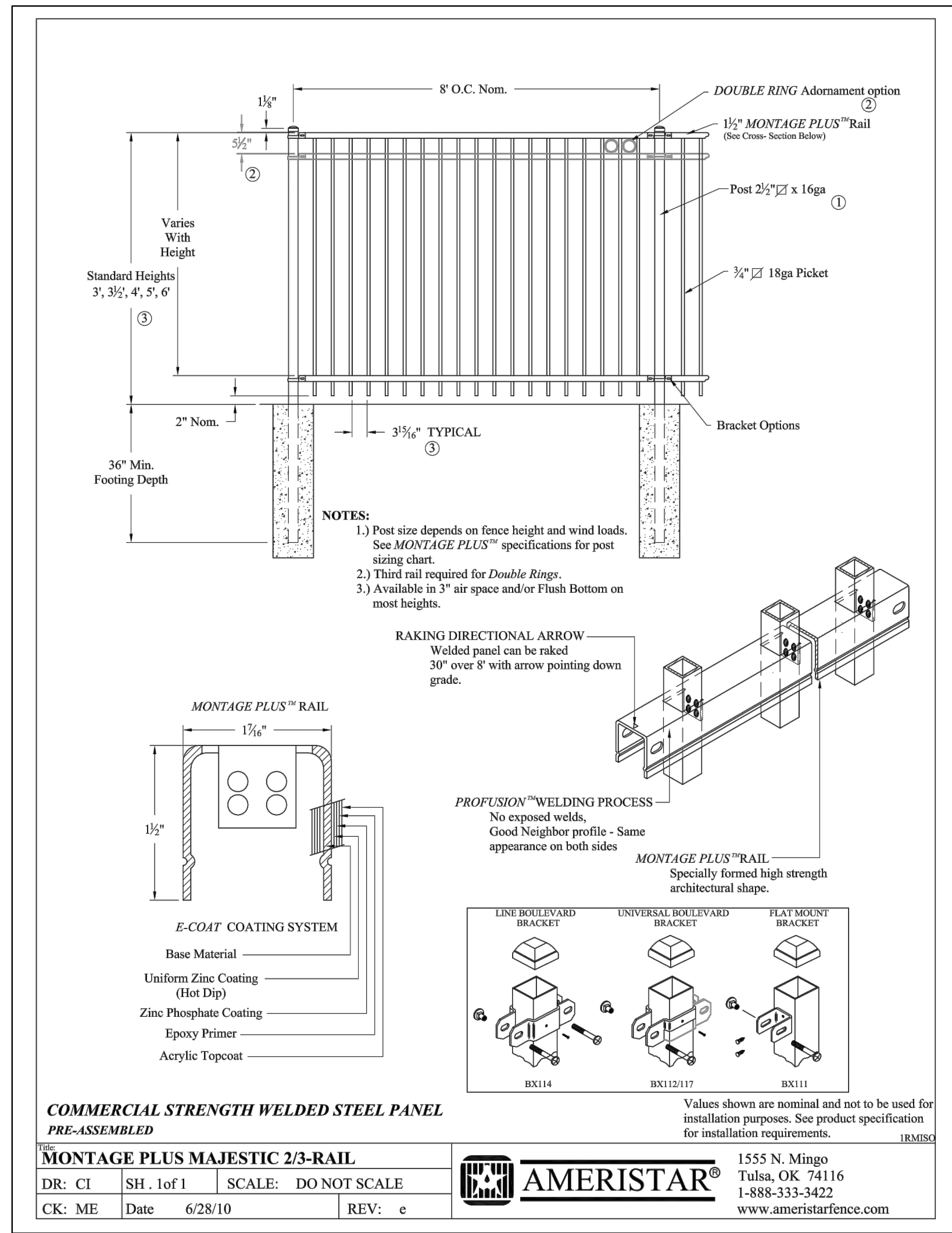
No.	DATE	DESCRIPTION

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

ONSITE CIVIL GROUP

ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCBELLS FIRM P-2055
980 BIRMINGHAM RD. SUITE 501-540, MILTON, GA 30004
WWW.ONSITECIVIL.COM | INFO@ONSITECIVIL.COM

1-25-21



ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCBELS FIRM P-2055
980 BIRMINGHAM RD, SUITE 501-540, MILTON, GA 30004
910-666-3300
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

CONSTRUCTION DETAILS

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: C 801

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

APPROVED CONSTRUCTION PLAN

Name	Date
Planning	
Traffic	
Fire	

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

ADVANCED DRAINAGE SYSTEMS, INC. (ADS) HAS PREPARED THIS DETAIL BASED ON INFORMATION PROVIDED TO ADS. THIS DRAWING IS INTENDED TO DEPICT THE COMPONENTS AS REQUESTED. ADS HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICES FOR THIS PROJECT, NOR HAS ADS INDEPENDENTLY VERIFIED THE INFORMATION SUPPLIED. THE INSTALLATION DETAILS PROVIDED HEREIN ARE GENERAL RECOMMENDATIONS AND ARE NOT SPECIFIC FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION. IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ENSURE THE DETAILS PROVIDED HEREIN MEET OR EXCEED THE APPLICABLE NATIONAL, STATE, OR LOCAL REQUIREMENTS AND TO ENSURE THAT THE DETAILS PROVIDED HEREIN ARE ACCEPTABLE FOR THIS PROJECT.

REV.	DESCRIPTION	TJR	02/16/07	CHWD	NOTE: ALL DIMENSIONS ARE ± 1/2 FOOT
1	UPDATED DRAWING				

DIA. DET./RET. SYSTEM
TYPICAL TRENCH DETAIL
DRAWING NUMBER: STD-101

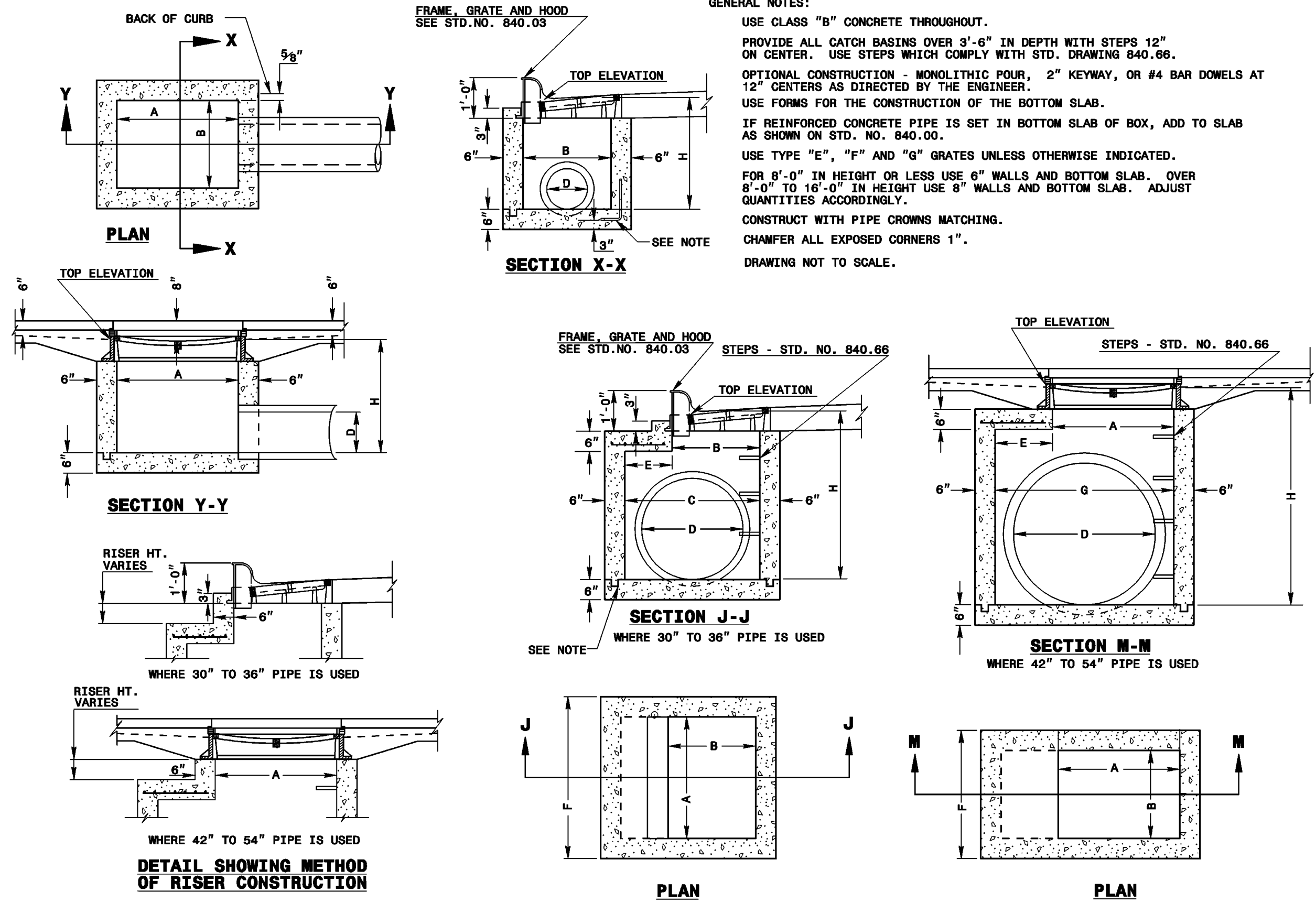
ADS
4640 TRUMAN BLVD
HILLIARD, OHIO 43026
www.adsinc.com

DATE: 10/18/06
SCALE: NTS
SHEET: 1 OF 1

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02



GENERAL NOTES:
USE CLASS "B" CONCRETE THROUGHOUT.
PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.06.
OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
FOR 8'-0" IN HEIGHT OR LESS USE 6" WALLS AND BOTTOM SLAB. OVER 8'-0" TO 16'-0" IN HEIGHT USE 8" WALLS AND BOTTOM SLAB. ADJUST QUANTITIES ACCORDINGLY.
CONSTRUCT WITH PIPE CROWNS MATCHING.
CHAMFER ALL EXPOSED CORNERS 1".
DRAWING NOT TO SCALE.

7-06
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

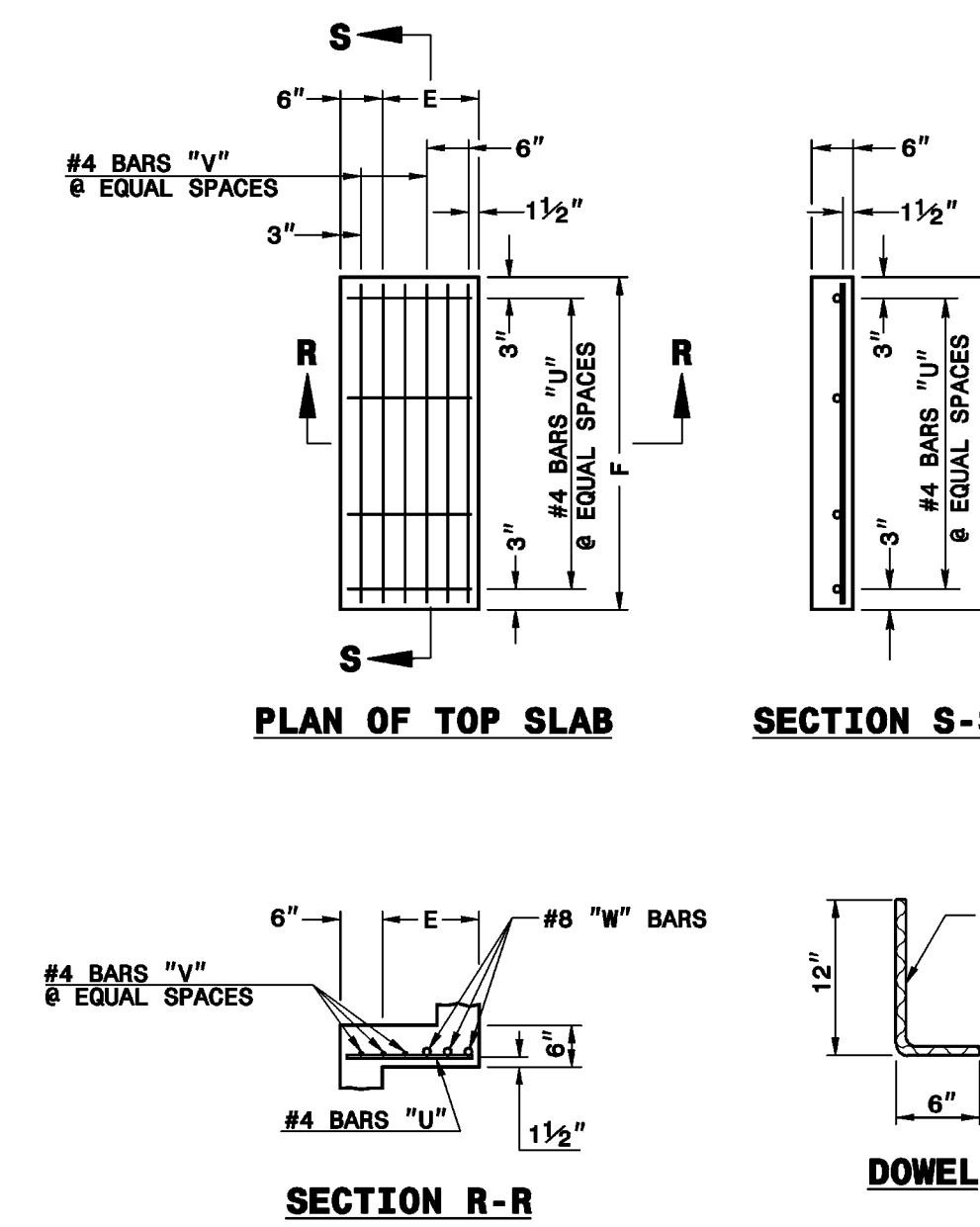
ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 1 OF 2
840.02

7-06
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

SHEET 2 OF 2
840.02



MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H, WITH NO RISER) *

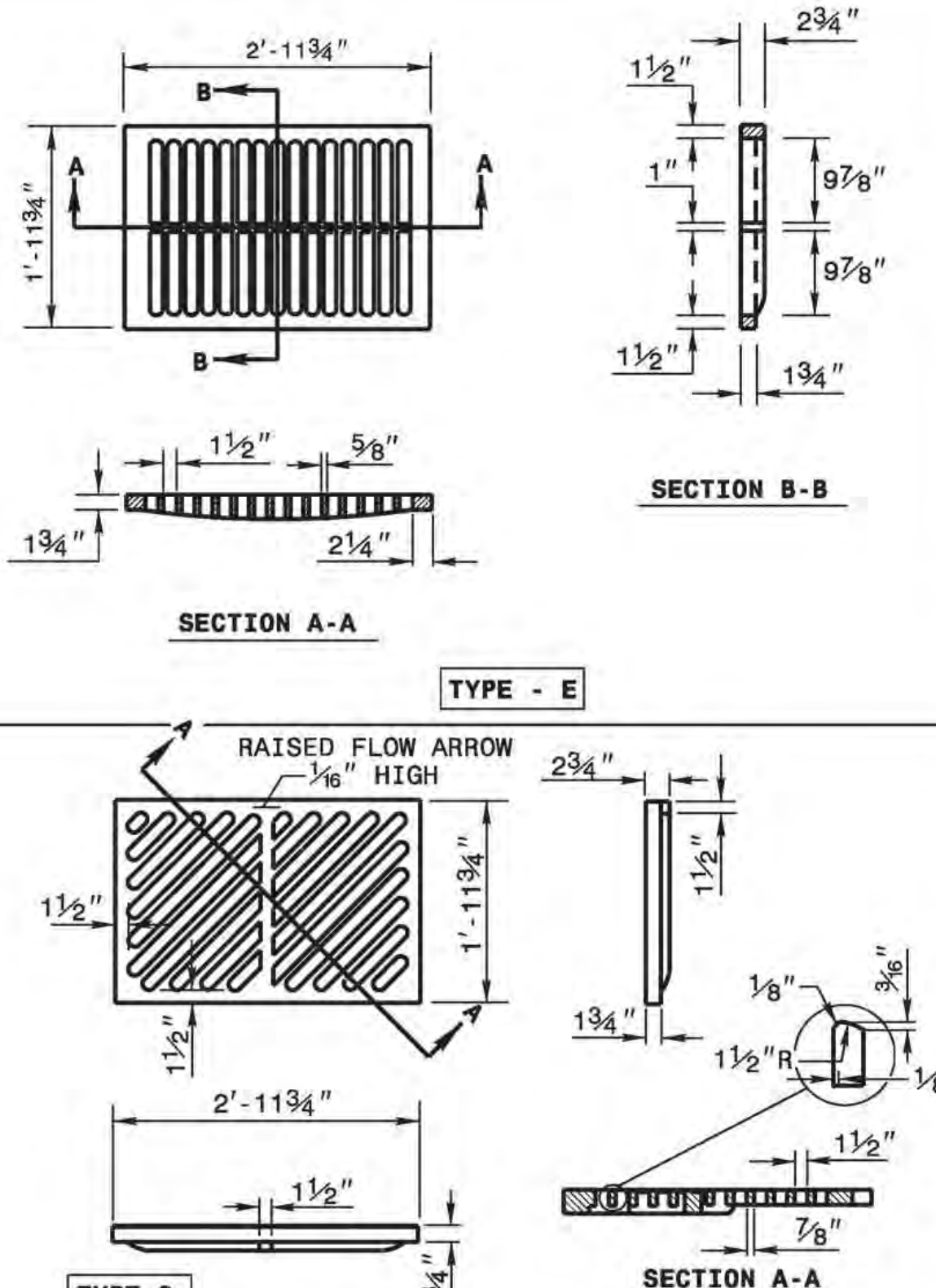
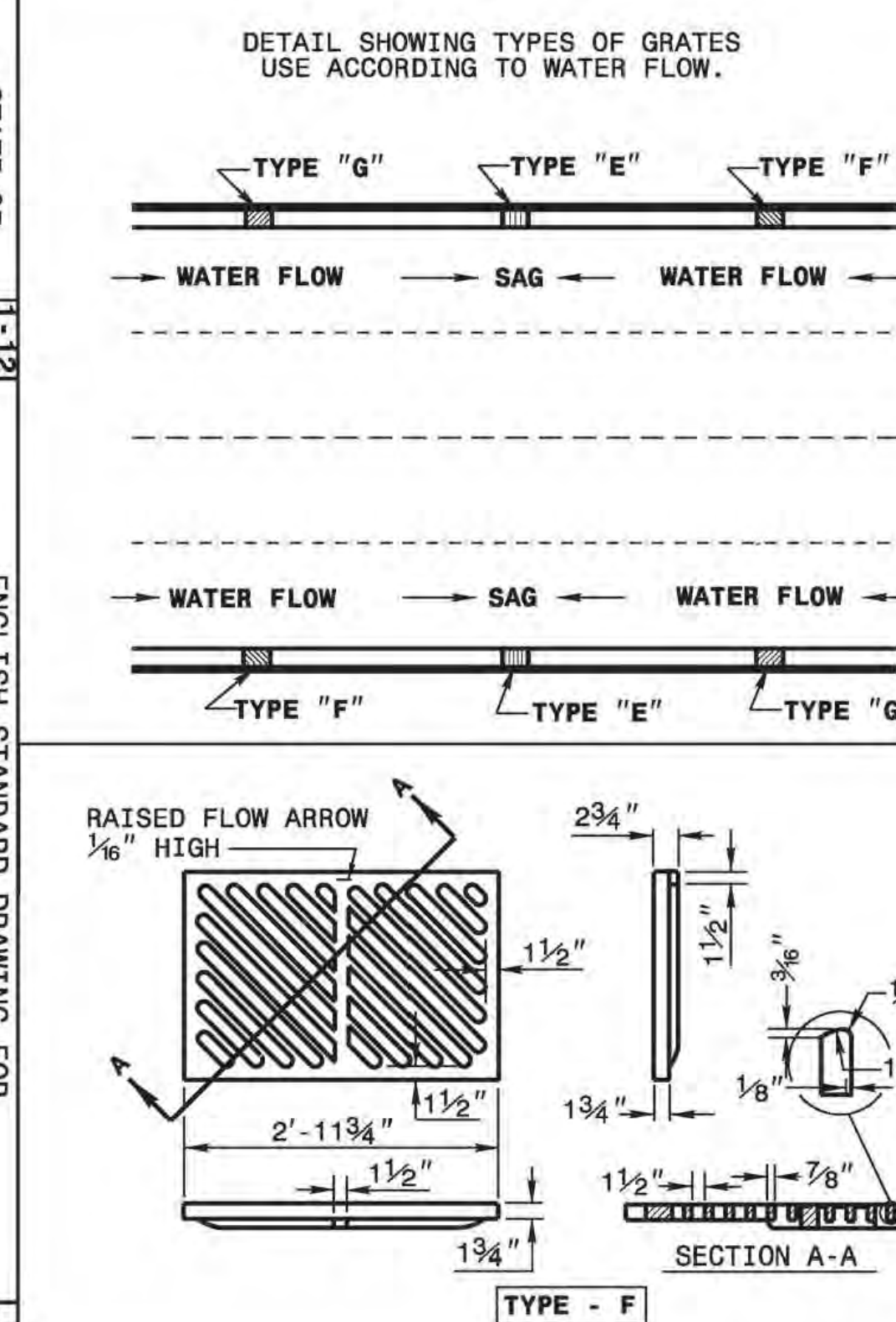
PIPE DIMENSIONS OF BOX AND PIPE	COVER DIMENSION			BARS-U			BARS-V			BARS-W			TOTAL	TOP SLAB	BOTTOM SLAB	CU. YDS. CONC. IN BOX	DEDUCTIONS ONE PIPE
D A B C	E	F	H	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	LBS.	CONC.	CONC.	C.M.	R.C.	
12" 3'-0" 2'-2" -- --	2'-9"	--	--	4	1'-5"	2	3'-9"	3	3'-9"	3	3'-9"	39	0.235	0.772	0.015	0.026	
15" 3'-0" 2'-2" -- --	3'-0"	--	--	4	1'-8"	3	3'-9"	3	3'-9"	3	3'-9"	43	0.235	0.829	0.023	0.036	
18" 3'-0" 2'-2" -- --	3'-3"	--	--	4	1'-8"	4	3'-9"	3	3'-9"	3	3'-9"	43	0.235	0.887	0.033	0.043	
24" 3'-0" 2'-2" -- --	3'-9"	--	--	4	1'-8"	4	3'-9"	3	3'-9"	3	3'-9"	43	0.235	1.001	0.059	0.085	
30" 3'-0" 2'-2" 3'-4"	4'-3"	1'-2"	4'-0"	4	1'-5"	2	3'-9"	3	3'-9"	3	3'-9"	39	0.123	0.321	1.433	0.092	0.127
36" 3'-0" 2'-2" 3'-10"	4'-9"	1'-8"	4'-0"	4	1'-11"	3	3'-9"	3	3'-9"	3	3'-9"	43	0.161	0.358	1.714	0.132	0.178
42" 3'-0" 2'-2" 4'-5"	5'-3"	1'-5"	3'-2"	4	1'-8"	2	2'-11"	3	2'-11"	3	2'-11"	32	0.112	0.318	1.738	0.180	0.243
48" 3'-0" 2'-2" 5'-0"	5'-9"	2'-0"	3'-2"	4	2'-3"	3	2'-11"	3	2'-11"	3	2'-11"	35	0.145	0.352	2.052	0.235	0.317
54" 3'-0" 2'-2" 6'-7"	6'-3"	2'-7"	3'-2"	4	2'-10"	5	2'-11"	3	2'-11"	3	2'-11"	41	0.180	0.386	2.387	0.297	0.401

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

7-06
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CONCRETE CATCH BASIN
12" THRU 54" PIPE

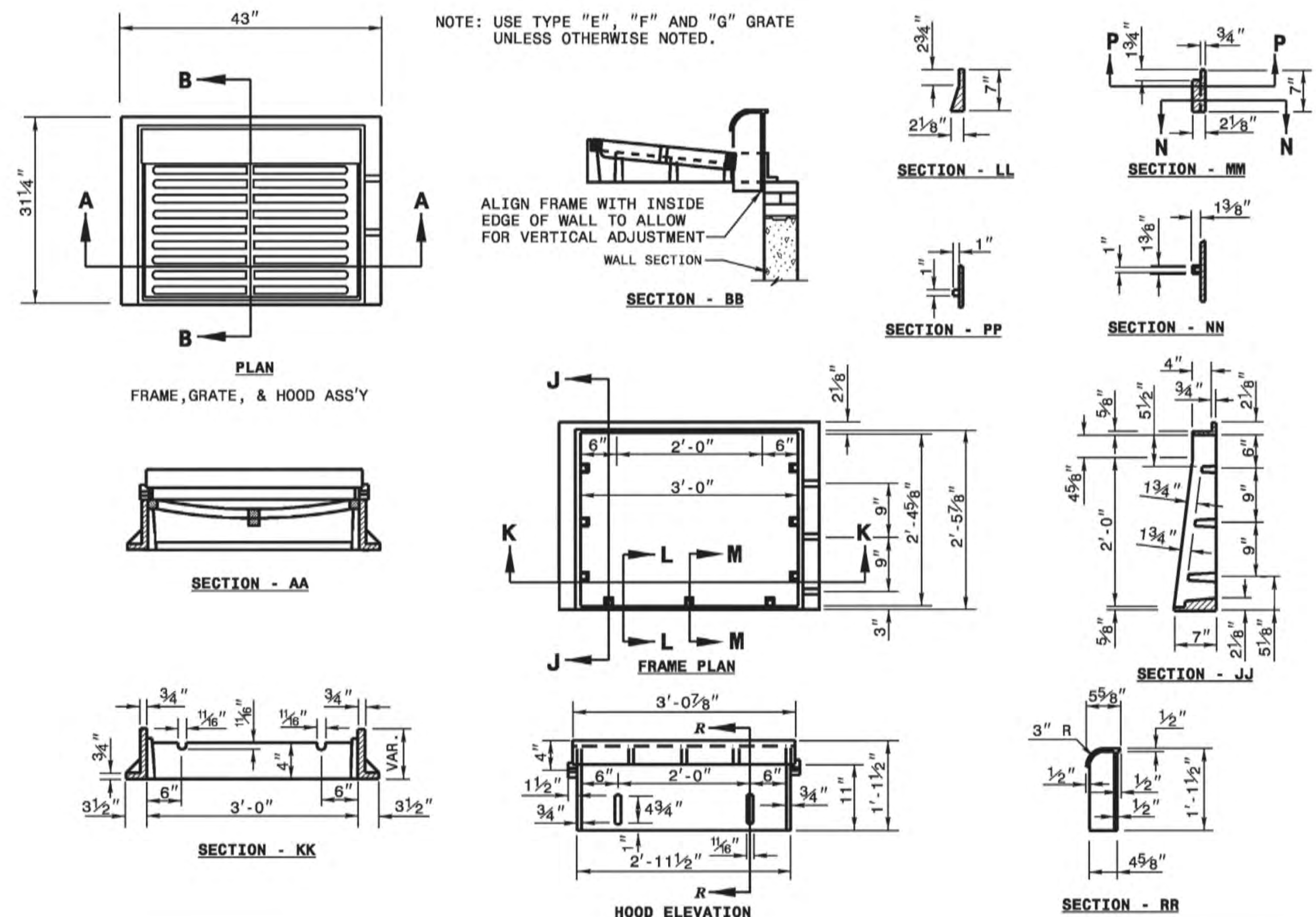
SHEET 2 OF 2
840.02



STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 1 OF 2
840.03



1-12
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 1 OF 2
840.03

1-12
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 2 OF 2
840.03

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____
Signed: _____

APPROVED CONSTRUCTION PLAN
Name _____ Date _____

Planning _____
Traffic _____
Fire _____

24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

CONSTRUCTION
DETAILS

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: **C 802**

CLIENT:
SND MAYFARE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@SPASHANDASHONLINE.COM

SPLASH N DASH MAYFARE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

1-12
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
FRAME, GRATES, AND HOOD
FOR USE ON STANDARD CATCH BASIN

SHEET 2 OF 2
840.03

THESE DRAWINGS ARE THE
PROPERTY OF ONSITE CIVIL
GROUP, LLC AND SHALL NOT BE
REPRODUCED IN WHOLE OR IN
PART WITHOUT THE EXPRESS
WRITTEN PERMISSION OF
ON SITE CIVIL, LLC.

1-25-21

REVISIONS

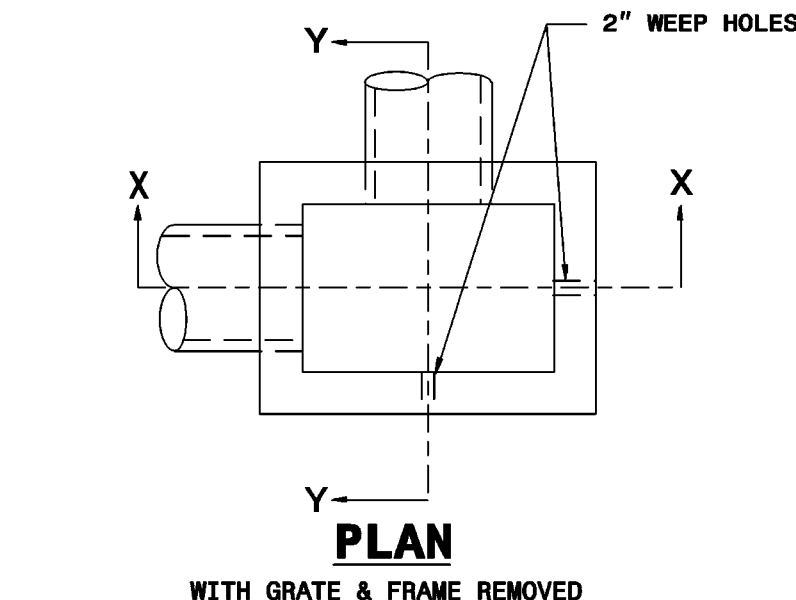
No.	DATE	DESCRIPTION

ON SITE
CIVIL GROUP
ON SITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCBELS FIRM P-2055
980 BIRMINGHAM RD, SUITE 500-340, MILTON, GA 30004
TEL: 770-945-3339 FAX: 770-945-3337
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

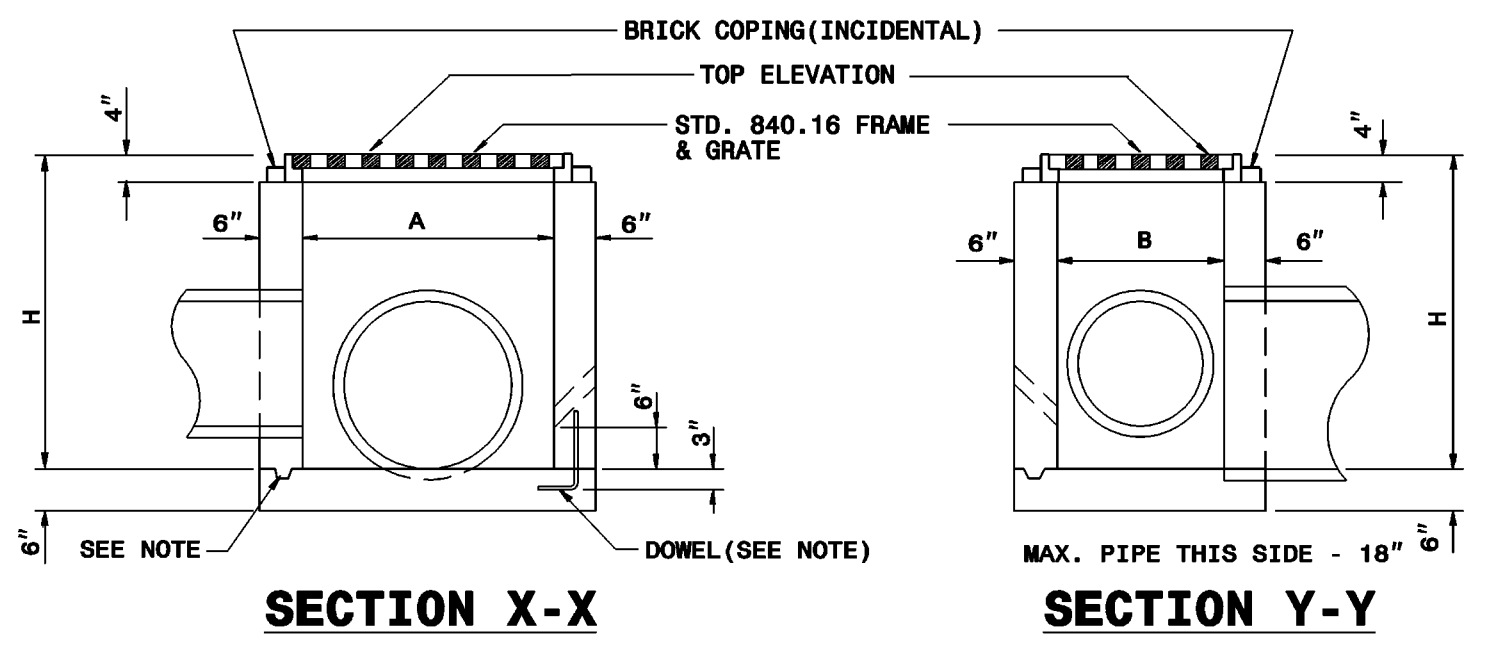
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR CONCRETE DROP INLET 12" THRU 30" PIPE

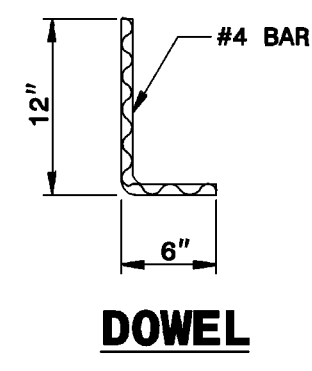
SHEET 1 OF 1 840.14



GENERAL NOTES:
 USE CLASS "B" CONCRETE THROUGHOUT.
 PROVIDE ALL DROP INLETS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
 USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
 IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
 CONSTRUCT WITH PIPE CROWNS MATCHING.
 INSTALL 2" WEEPHOLES AS DIRECTED BY THE ENGINEER.
 INSTALL STONE DRAINS, OF A MINIMUM OF 1 CUBIC FOOT OF NO. 78M STONE IN A POROUS FABRIC BAG OR WRAP, AT EACH WEEP HOLE OR AS DIRECTED BY THE ENGINEER.
 CHAMFER ALL EXPOSED CORNERS 1".
 DRAWING NOT TO SCALE.



DIMENSIONS AND QUANTITIES FOR DROP INLET (BASED ON MIN. HEIGHT, H)				CUBIC YARDS CONC. IN BOX		DEDUCTIONS FOR ONE PIPE	
PIPE	SPAN	WIDTH	MIN. HEIGHT	BOTTOM SLAB	WALL PER FT. HT.	TOTAL CONCRETE FOR BOTTOM SLAB	R.C.
12"	3'-0"	2'-0"	2'-0"	0.222	0.222	0.592	0.015 0.026
15"	3'-0"	2'-0"	2'-3"	0.222	0.222	0.648	0.023 0.036
18"	3'-0"	2'-0"	2'-6"	0.222	0.222	0.703	0.033 0.049
24"	3'-0"	2'-0"	3'-0"	0.222	0.222	0.814	0.059 0.085
30"	3'-0"	2'-0"	3'-6"	0.222	0.222	0.925	0.092 0.127



STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

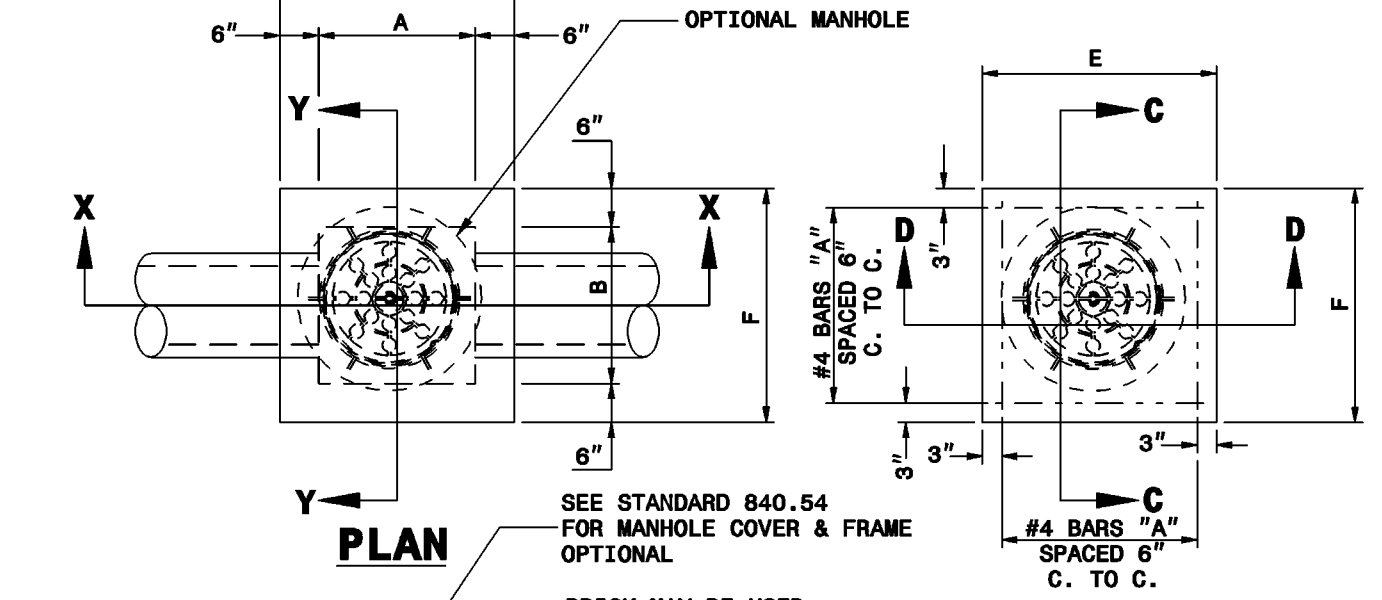
ENGLISH STANDARD DRAWING FOR CONCRETE DROP INLET 12" THRU 30" PIPE

SHEET 1 OF 1 840.14

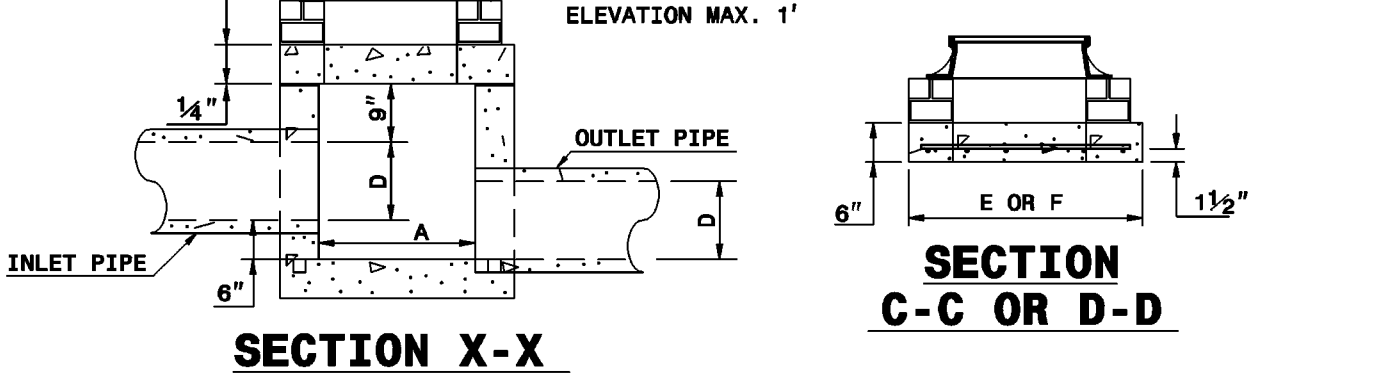
STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR CONCRETE JUNCTION BOX (WITH OPTIONAL MANHOLE) 12" THRU 66" PIPE

SHEET 1 OF 1 840.31



GENERAL NOTES:
 CHAMFER ALL EXPOSED CORNERS 1".
 USE CLASS "B" CONCRETE THROUGHOUT.
 OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12" CENTERS AS DIRECTED BY THE ENGINEER.
 USE FORMS TO CONSTRUCT THE BOTTOM SLAB.
 IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON STANDARD NO. 840.00.
 PROVIDE ALL JUNCTION BOXES OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTERS IN ACCORDANCE WITH STD. NO. 840.66.
 ADJUST THE STEEL, CONCRETE AND BRICK MASONRY QUANTITIES TO INCLUDE THE ADDITION OF THE MANHOLE (I.E. DIAGONAL BARS SHORTENED AROUND OPENING IN TOP SLAB, ADDITIONAL VARIABLE HEIGHT BRICK MASONRY, OPENING IN TOP SLAB.)
 MAX. DEPTH OF THIS STRUCTURE FROM TOP OF BOTTOM SLAB TO TOP ELEVATION IS 12 FEET.



DIMENSIONS OF BOX AND PIPE				DIMENSIONS AND QUANTITIES FOR CONCRETE JUNCTION BOXES				CUBIC YARDS IN BOX		TOTAL QUANTITIES BOX AND SLAB		DEDUCTIONS FOR ONE PIPE CU. YDS.	
PIPE	SPAN	WIDTH	HEIGHT	REINFORCEMENT BARS "A"	NO.	LENGTH	TOP SLAB DIMENSIONS	TOP SLAB	BOTTOM SLAB	WALL/ FT. OF HT.	LBS. REINF.	CU. YDS. MIN.	R.C.
12"	2'-0"	2'-0"	2'-3"	12	2'-9"	3'-0"	3'-0"	0.167	0.167	0.185	22	0.760	0.015 0.024
15"	2'-3"	2'-3"	2'-6"	12	3'-3"	3'-3"	3'-3"	0.196	0.196	0.204	24	0.902	0.023 0.036
18"	2'-6"	2'-6"	2'-9"	14	3'-3"	3'-6"	3'-6"	0.227	0.227	0.222	30	1.085	0.033 0.049
24"	3'-0"	3'-0"	3'-3"	16	3'-9"	4'-0"	4'-0"	0.296	0.296	0.299	40	1.434	0.059 0.085
30"	3'-6"	3'-6"	3'-9"	18	4'-3"	4'-6"	4'-6"	0.375	0.375	0.296	51	1.860	0.092 0.127
36"	4'-0"	4'-0"	4'-3"	20	4'-9"	5'-0"	5'-0"	0.463	0.463	0.333	64	2.341	0.132 0.178
42"	4'-6"	4'-6"	4'-9"	22	5'-3"	5'-6"	5'-6"	0.560	0.560	0.370	77	2.878	0.190 0.243
48"	5'-0"	5'-0"	5'-3"	24	5'-9"	6'-0"	6'-0"	0.643	0.643	0.407	111	3.623	0.235 0.317
54"	5'-6"	5'-6"	5'-9"	26	6'-3"	6'-6"	6'-6"	0.743	0.743	0.444	128	4.283	0.287 0.401
60"	6'-0"	6'-0"	6'-3"	28	6'-9"	7'-0"	7'-0"	0.865	0.865	0.481	145	5.090	0.367 0.495
66"	7'-0"	7'-0"	7'-3"	32	7'-9"	8'-0"	8'-0"	1.010	1.010	0.518	169	6.117	0.444 0.589

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR CONCRETE JUNCTION BOX (WITH OPTIONAL MANHOLE) 12" THRU 66" PIPE

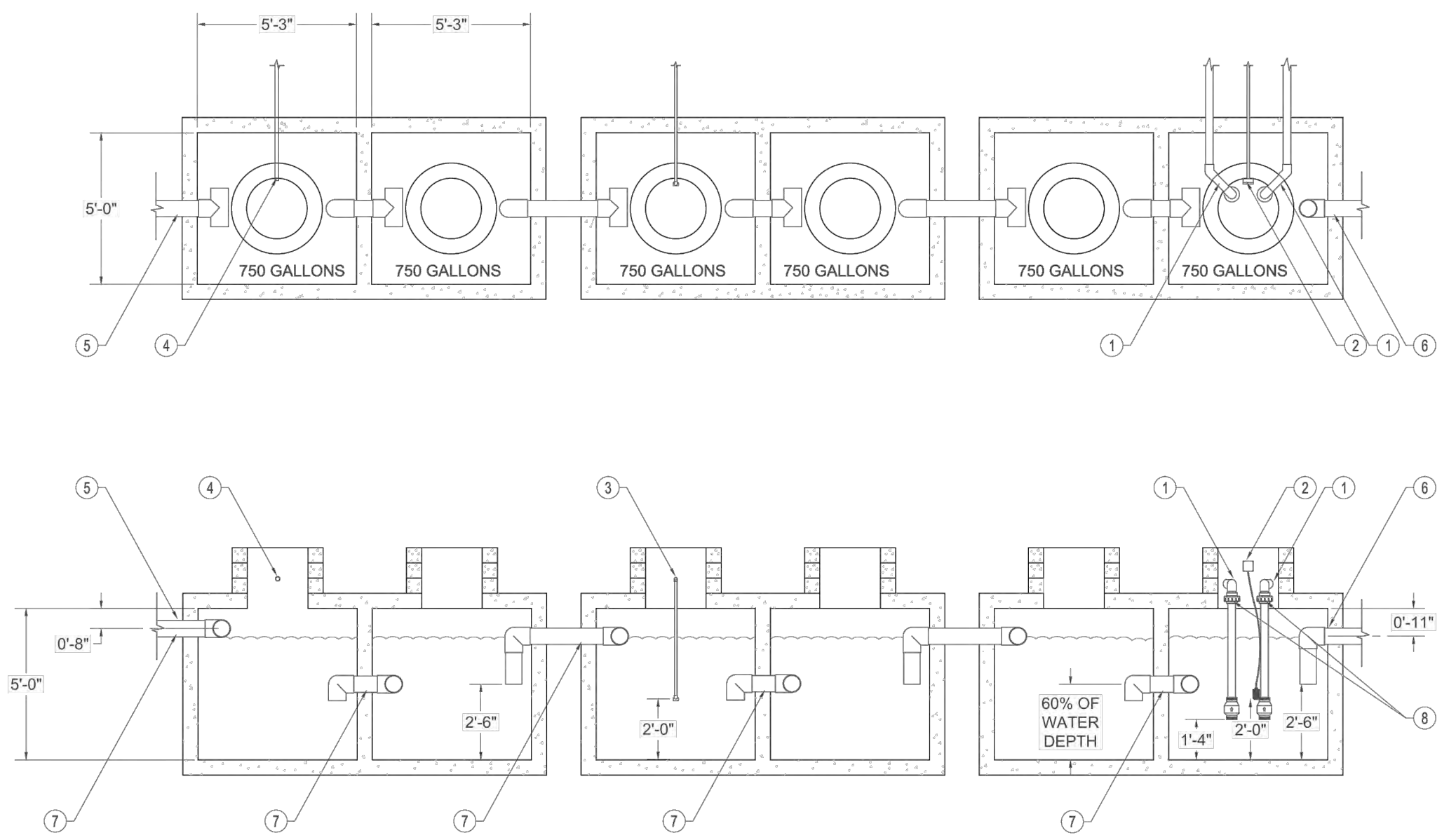
SHEET 1 OF 1 840.31

ONSITE CIVIL GROUP
 ON-SITE CIVIL GROUP OF THE CAROLINAS, PLLC
 NCHELS FIRM P-2655
 980 BIRMINGHAM RD. SUITE 501-540, MILTON, GA 30004
 PHONE: 770-945-3330
 FAX: 770-945-3331
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

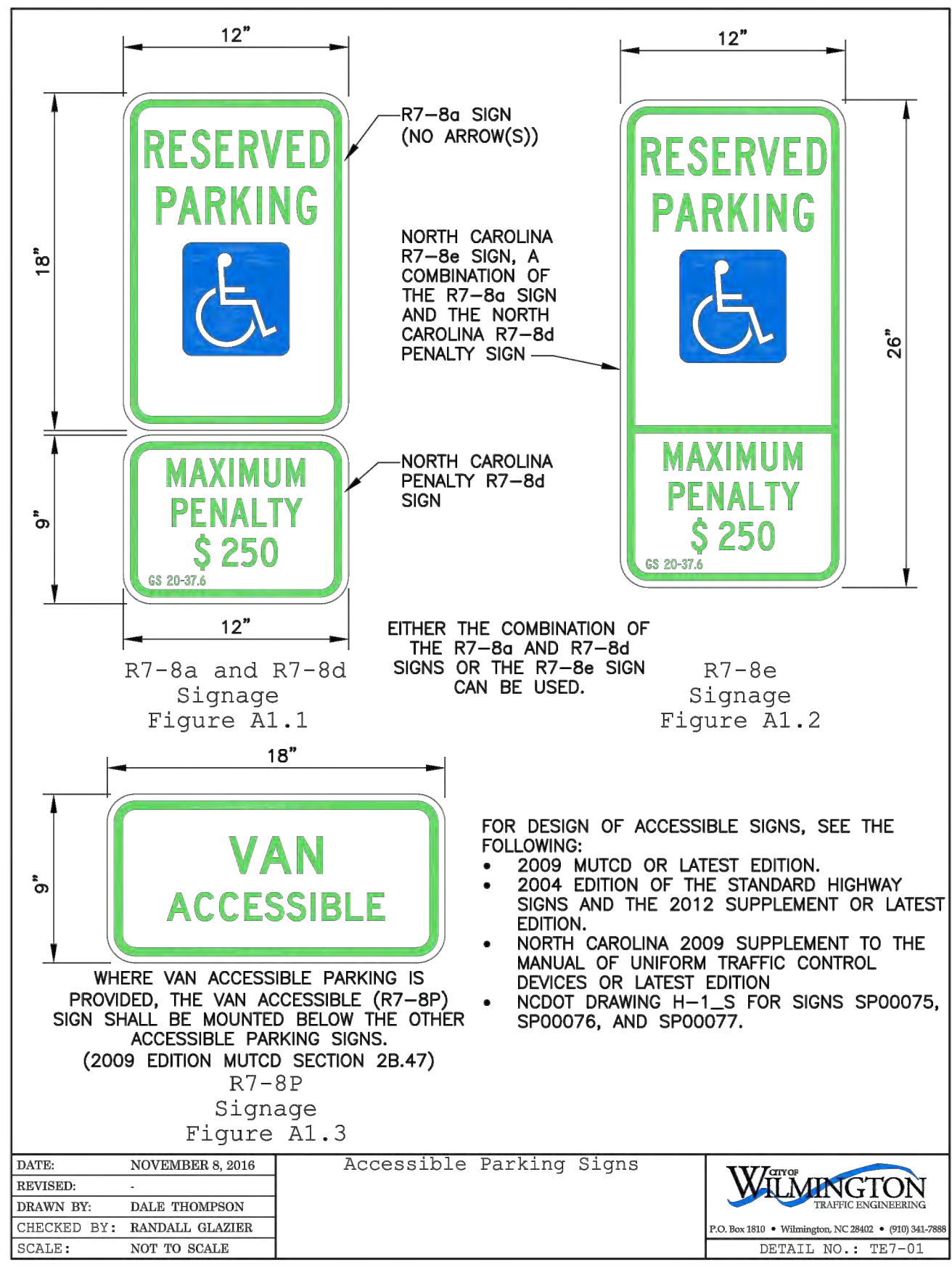
REVISIONS

No.	DATE	DESCRIPTION



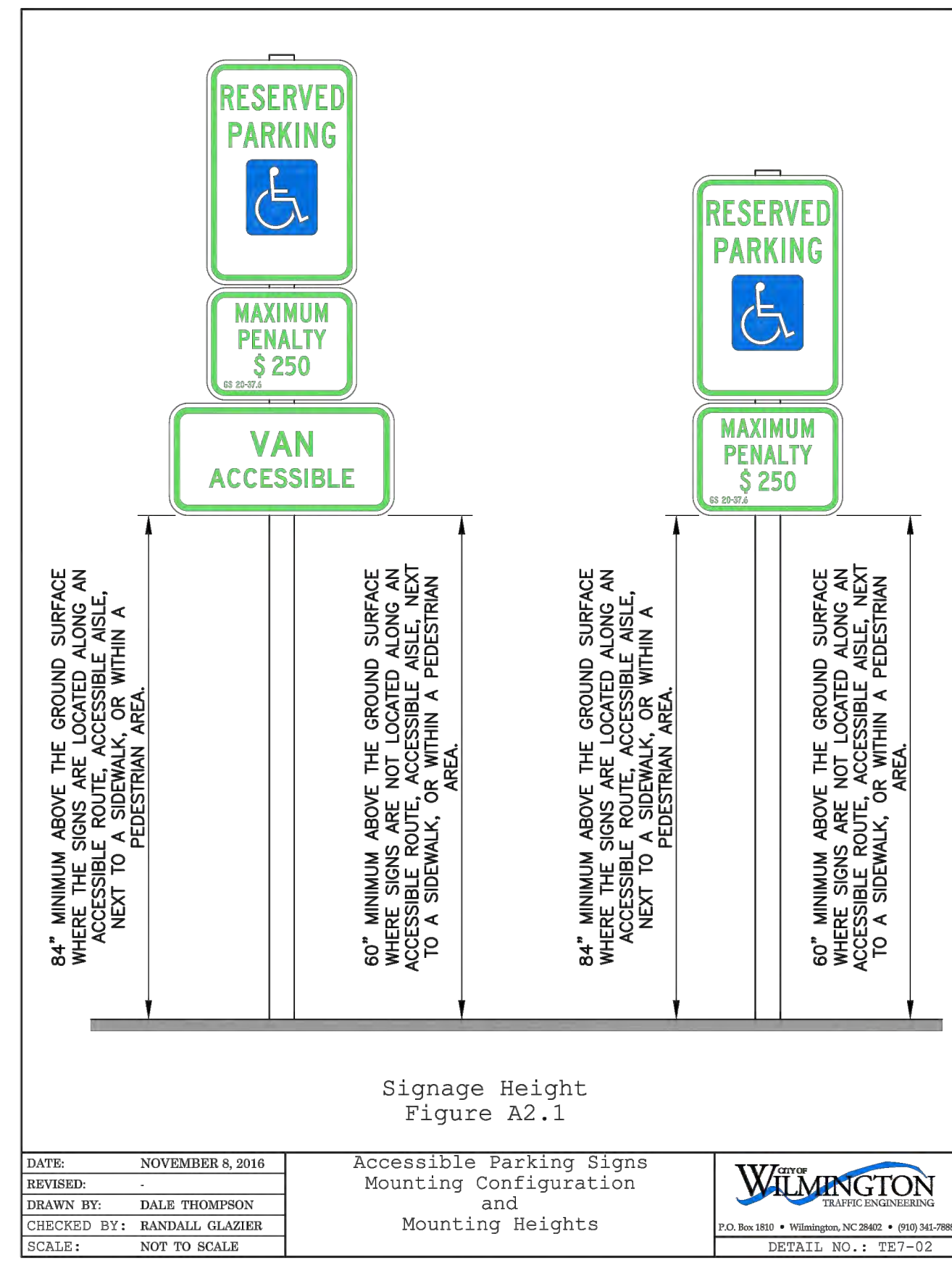
PURWATER
 PURWATER WATER RECOVERY SYSTEMS
 3-1-4K O3 2SUC PURWATER
 3-1500 GALLON TANKS WITH O3 LINES 2 SECTION

- LEGEND:
- 2" SCH 80 PVC SUCTION LINES FOR RECLAIM WATER PUMPING STATION. QTY (2) INCLUDING ONE SPARE LINE. SUCTION LINES TO BE EQUIPPED W/ FOOT VALVES. PRESSURE TEST THE LINE FOR 24 HRS AT 30 PSI BEFORE POURING CONCRETE. PROTECT LINES FROM FREEZING.
 - WATERTIGHT JUNCTION BOX FOR LOW LEVEL FLOAT. (LOCATED ABOVE WATER LINE)
 - RECLAIM RECIRCULATION. 1" SCH. 80 PVC WITH 90 DEGREE ELBOW, TERMINATE WITH A HORIZONTAL TEE 24" FROM THE TANK FLOOR.
 - RECLAIM UNDERFLOW 1 1/2" PVC SCH. 80 WIDISTRIBUTION TEE LOCATE JUST ABOVE WATER LINE. (USE SANITARY 90'S WHENEVER POSSIBLE)
 - 6" TRENCH DRAIN FROM WASH BAY
 - 6" DISCHARGE TO SEWER.
 - 6" SCH 80 PVC CROSS OVER PIPES. INLET SIDE TO BE PROVIDED WITH A DOWNWARD FACING ELBOW AND A HORIZONTAL TEE TO PROVIDE CIRCULATION IN THE TANK.
 - 2" UNIONS LOCATED ABOVE WATER LINE.
- NOTES:
- POSITION TANKS SO THAT PLUMBING IS BELOW FROST LINES IN AREAS WHERE FREEZING MAY OCCUR.
 - PLUMBING LINES MUST BE RUN BELOW FROST LINE. LINES MAY BE RUN INTO THE SIDE OF THE TANK IF MAINWAY IS TOO CLOSE TO FROST LINE.
 - DRAWING ARE FOR REFERENCE ONLY. CONSULT WITH TANK MANUFACTURER TO IDENTIFY STANDARD CONFIGURATIONS FOR APPROVED APPLICATIONS.
 - SEAL ALL TANK PENETRATIONS TO PREVENT LEAKAGE INTO SOIL.
 - IT IS RECOMMENDED THAT A BACK FLOW PREVENTER BE INSTALLED IN APPLICATIONS THAT ARE AT RISK OF HAVING SEWAGE BACKING UP INTO THE RECLAIM TANKING SYSTEM.
 - AN ADDITIONAL SAND/OIL SEPARATOR TO BE ADDED TO TANKING CONFIGURATION PER CITY/STATE REQUIREMENTS.



DATE: NOVEMBER 8, 2016
 REVISIONS:
 DRAWN BY: DALE THOMPSON
 CHECKED BY: RANDALL GLAZIER
 SCALE: NOT TO SCALE

City of WILMINGTON
 PUBLIC SERVICES • ENGINEERING DIVISION
 APPROVED STORMWATER MANAGEMENT PLAN



DATE: NOVEMBER 8, 2016
 REVISIONS:
 DRAWN BY: DALE THOMPSON
 CHECKED BY: RANDALL GLAZIER
 SCALE: NOT TO SCALE

City of WILMINGTON
 PUBLIC SERVICES • ENGINEERING DIVISION
 APPROVED CONSTRUCTION PLAN

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
 CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@SPASHNDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

CONSTRUCTION DETAILS

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: C 803

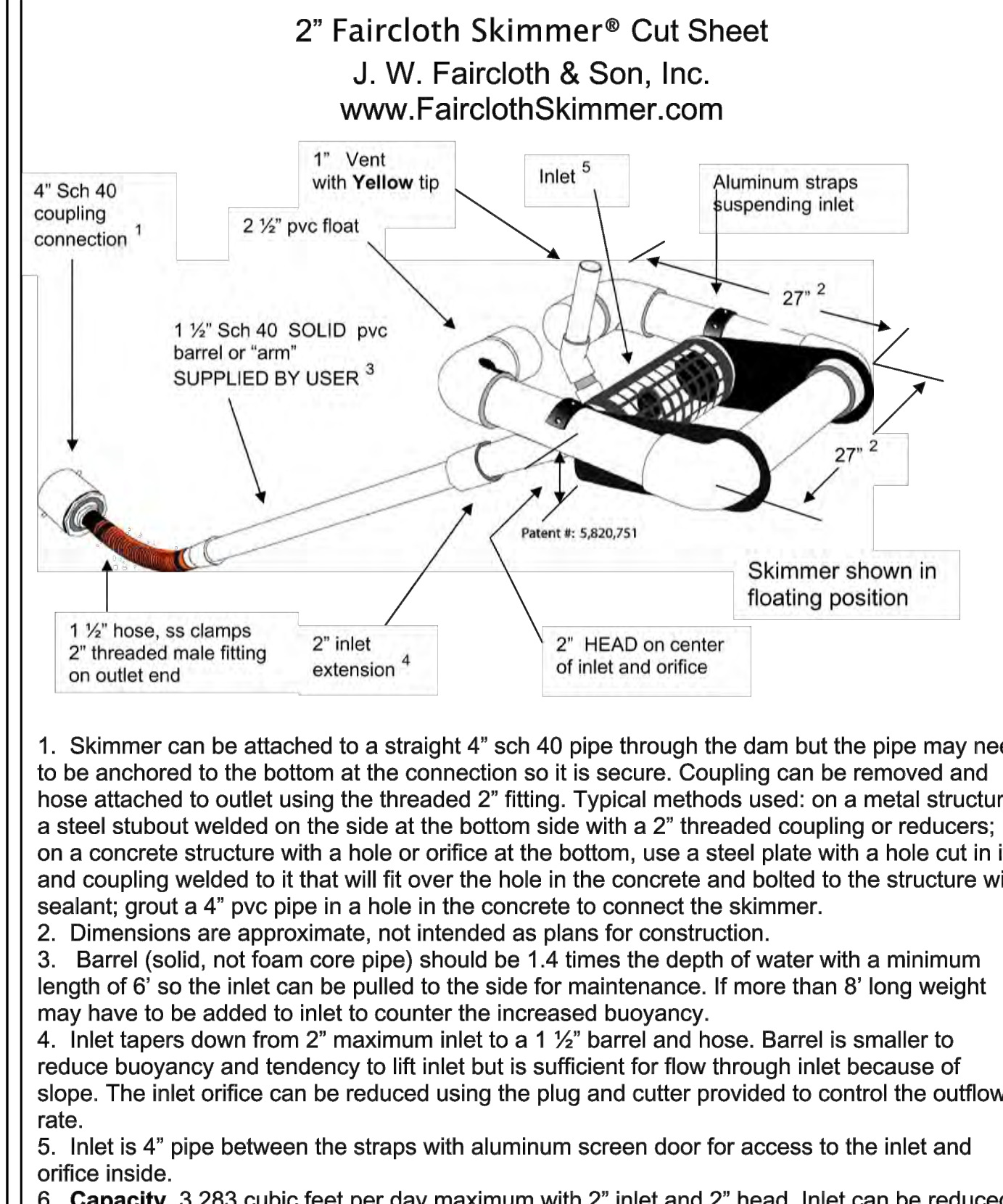
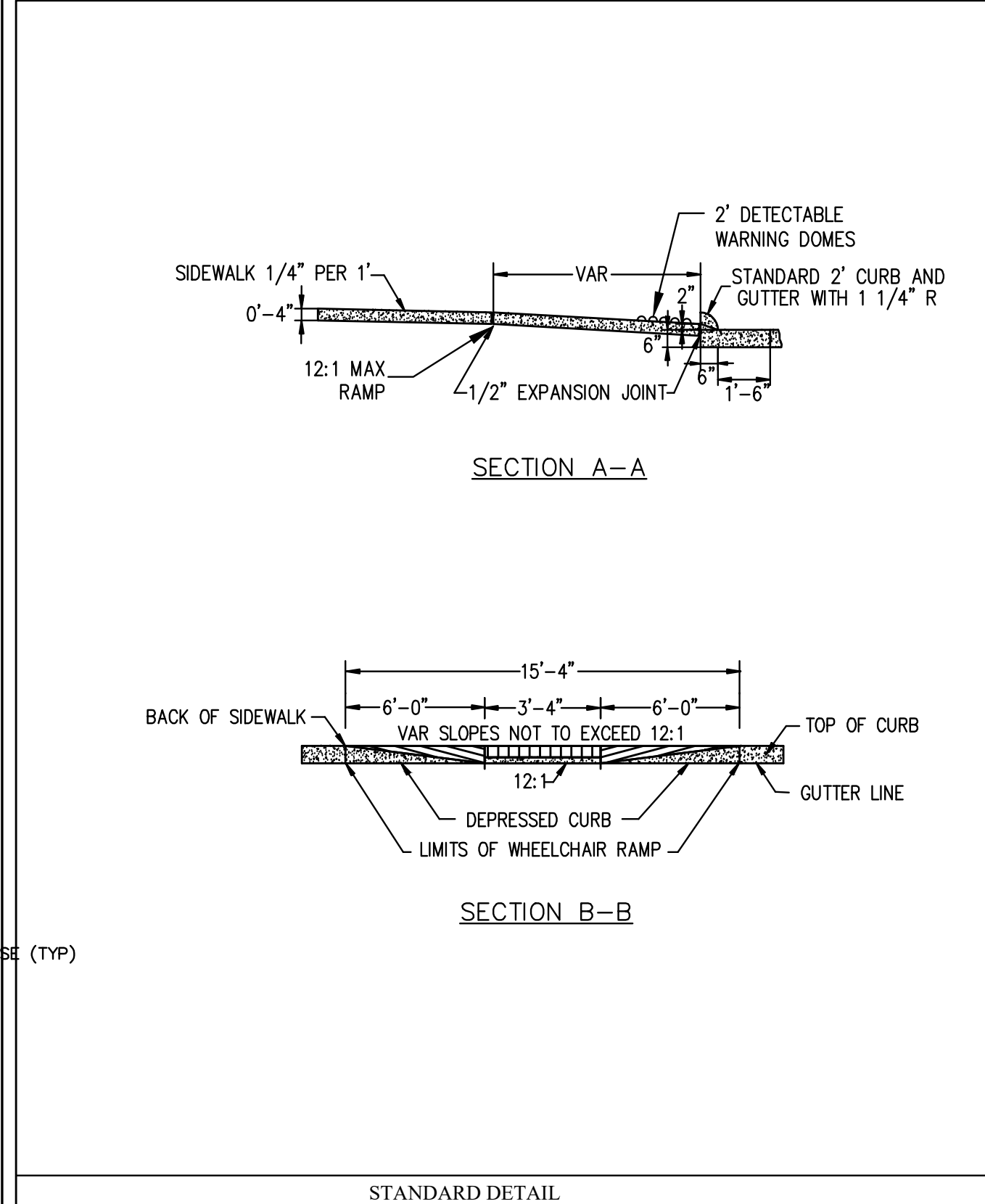
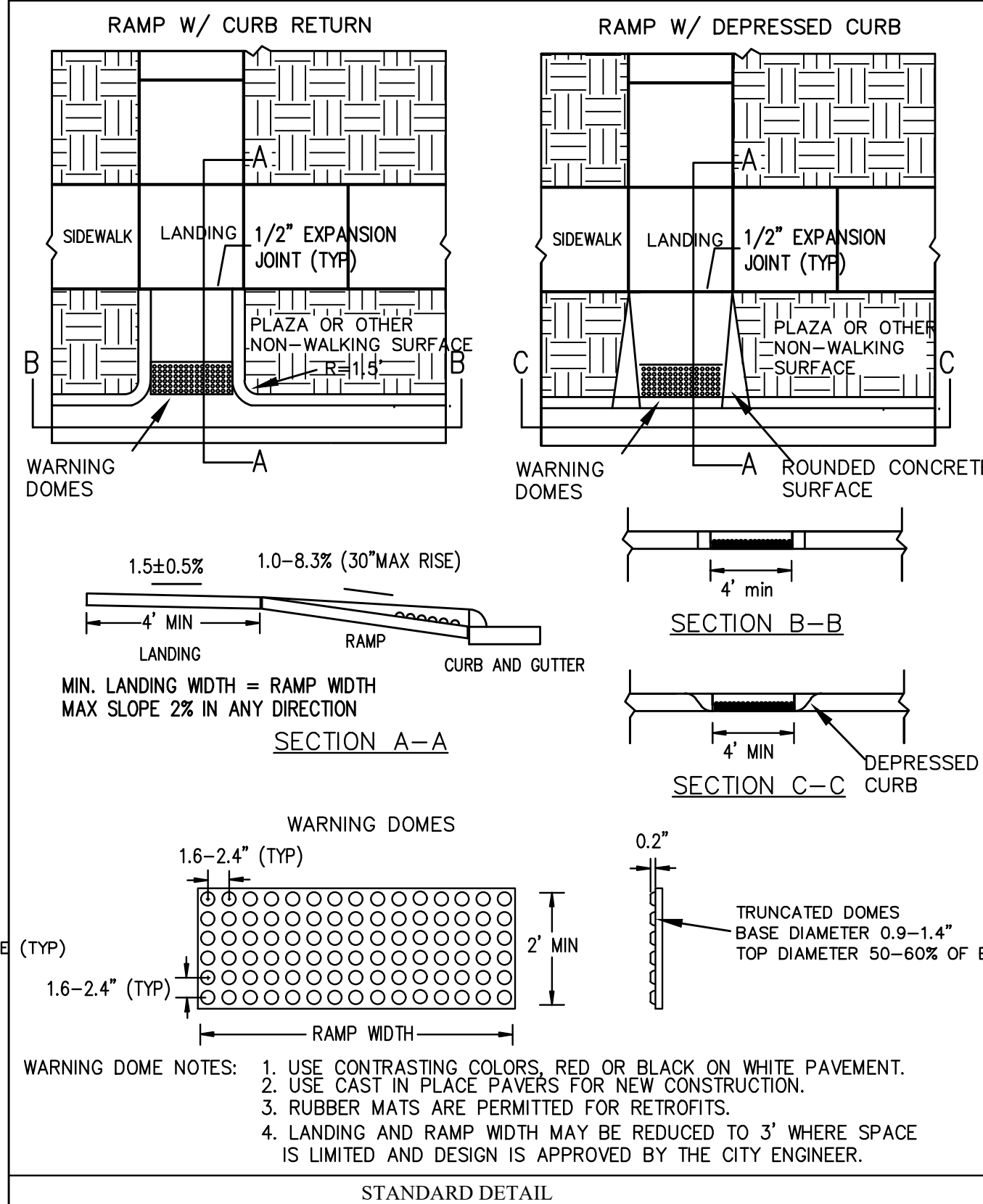
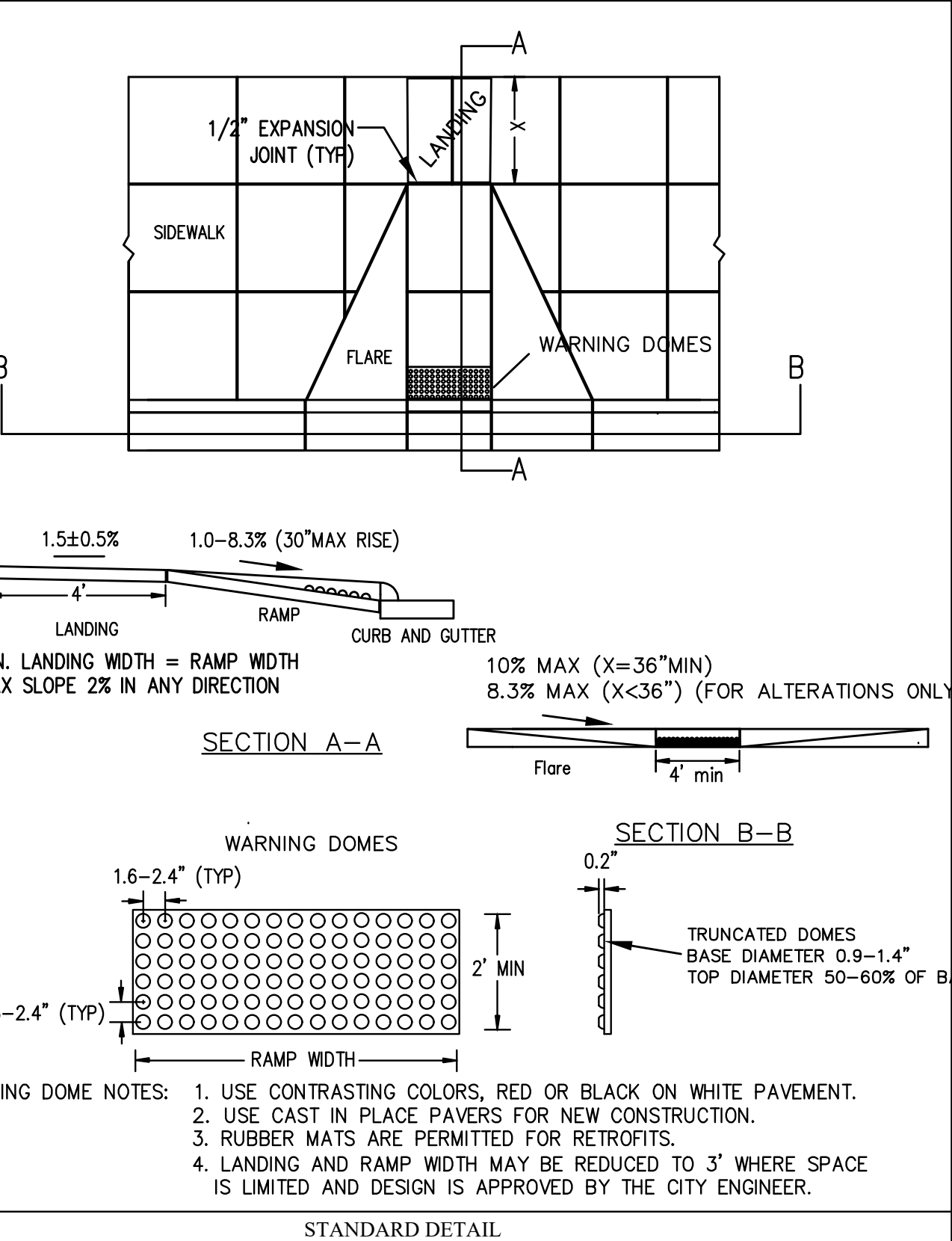
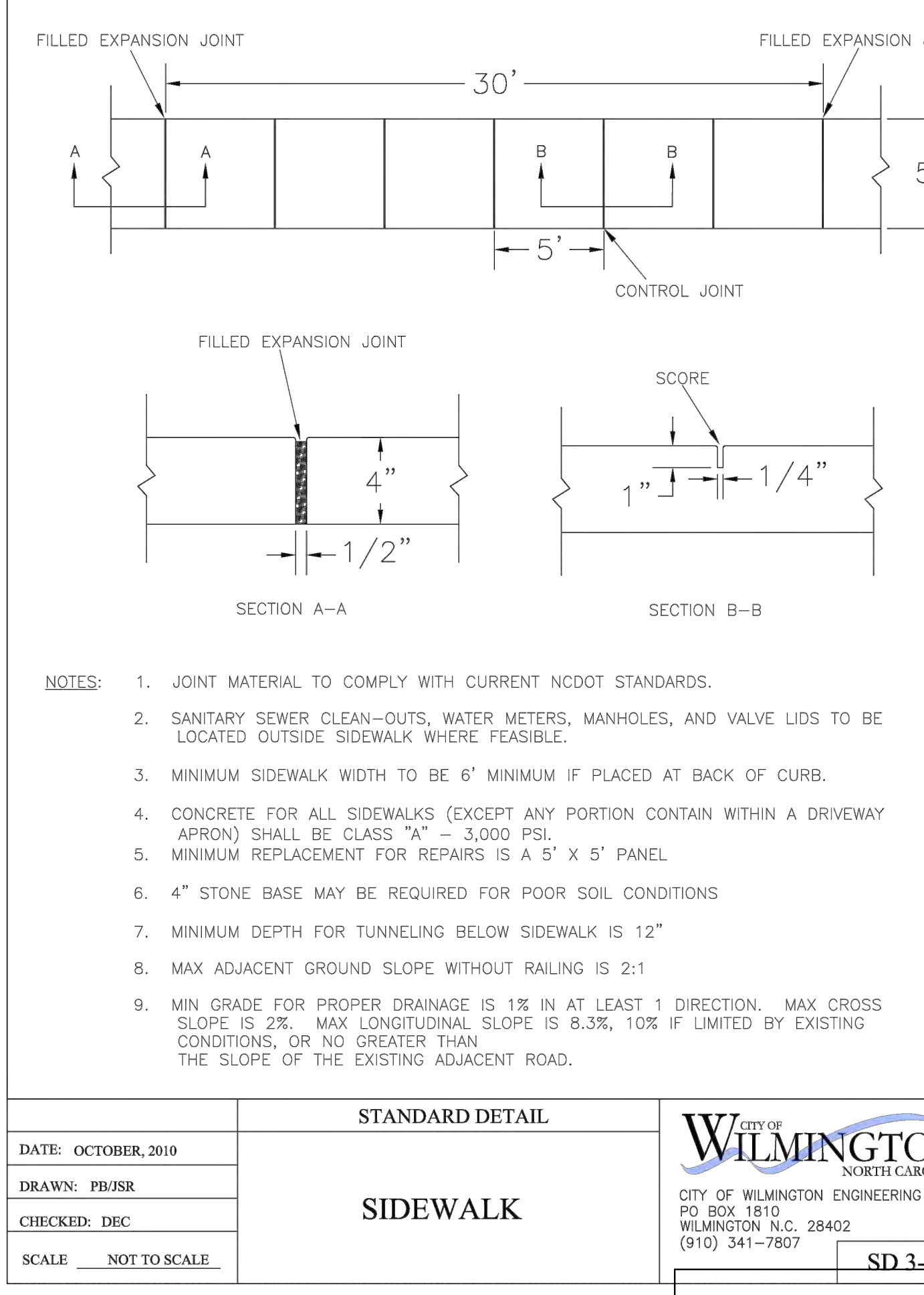
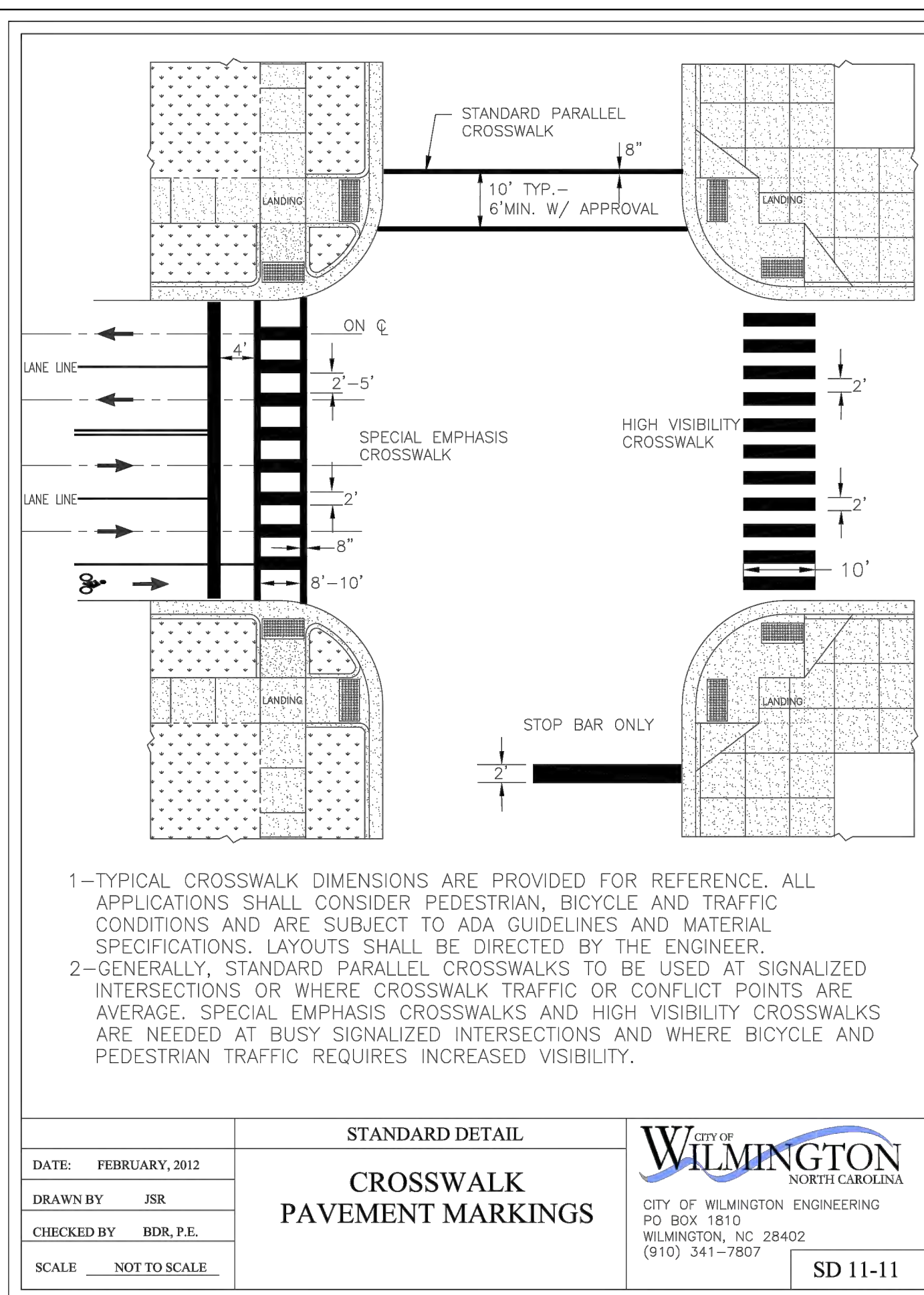
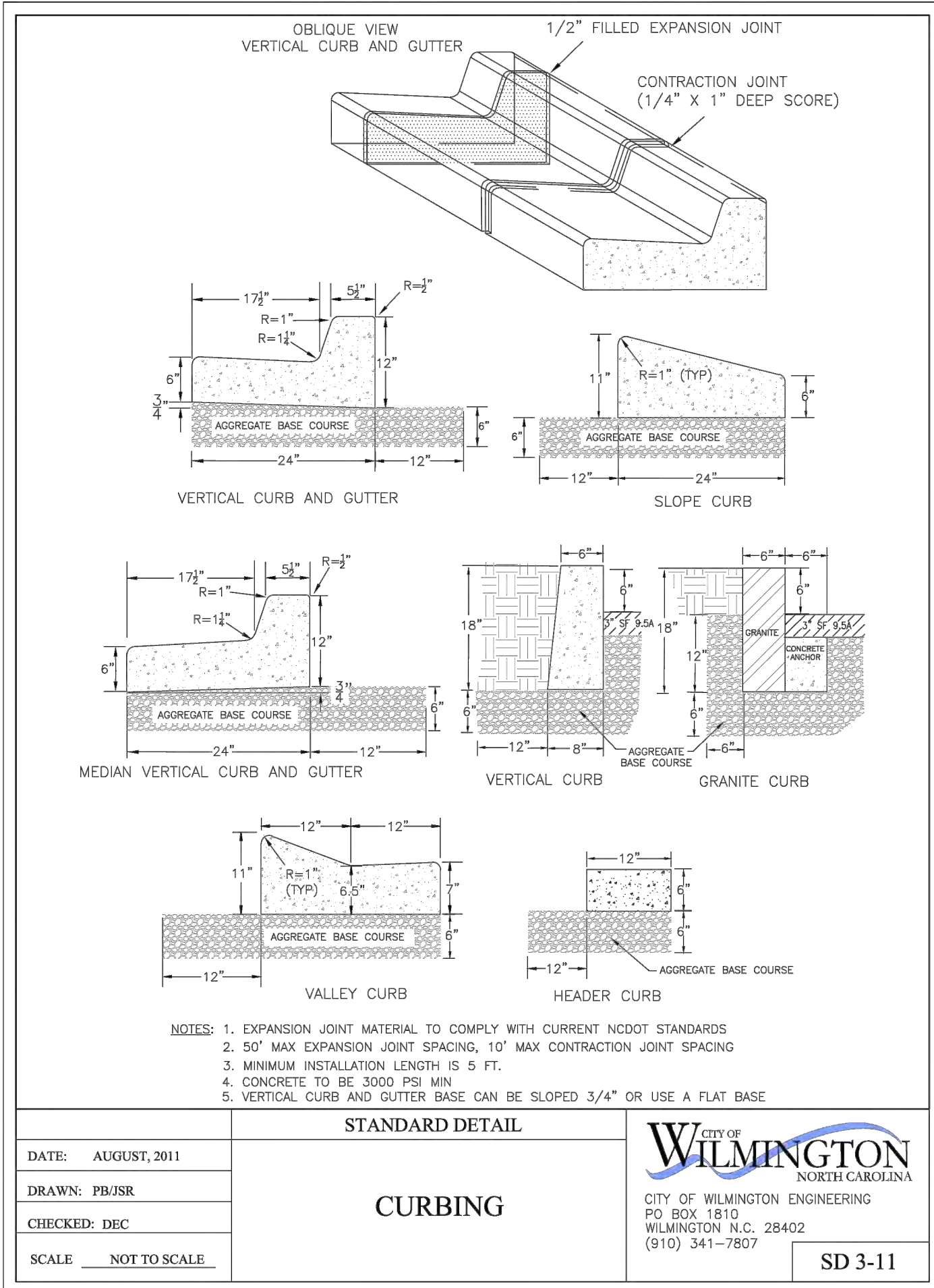
APPROVED CONSTRUCTION PLAN

Name: _____ Date: _____

Planning: _____
 Traffic: _____
 Fire: _____

Date: _____ Permit # _____
 Signed: _____

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988



ONSITE CIVIL GROUP
ONSITE CIVIL GROUP OF THE CAROLINAS, PLLC
NCEBLS FIRM P-2055
980 BIRMINGHAM RD., SUITE 501-540, MILTON, GA 30004
PHONE: 770-535-3300
WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ONSITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ONSITE CIVIL GROUP, LLC.

WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

APPROVED CONSTRUCTION PLAN		
Name	Date	

Planning _____
Traffic _____
Fire _____

REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
SND MAYFAIRE, LLC
943 BALDWIN PARK DR
WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
910-262-2831
STEPHEN@PLASHDASHONLINE.COM

SPLASH N DASH MAYFAIRE
1445 EASTWOOD RD
CITY OF WILMINGTON,
NEW HANOVER COUNTY
NORTH CAROLINA

CONSTRUCTION DETAILS

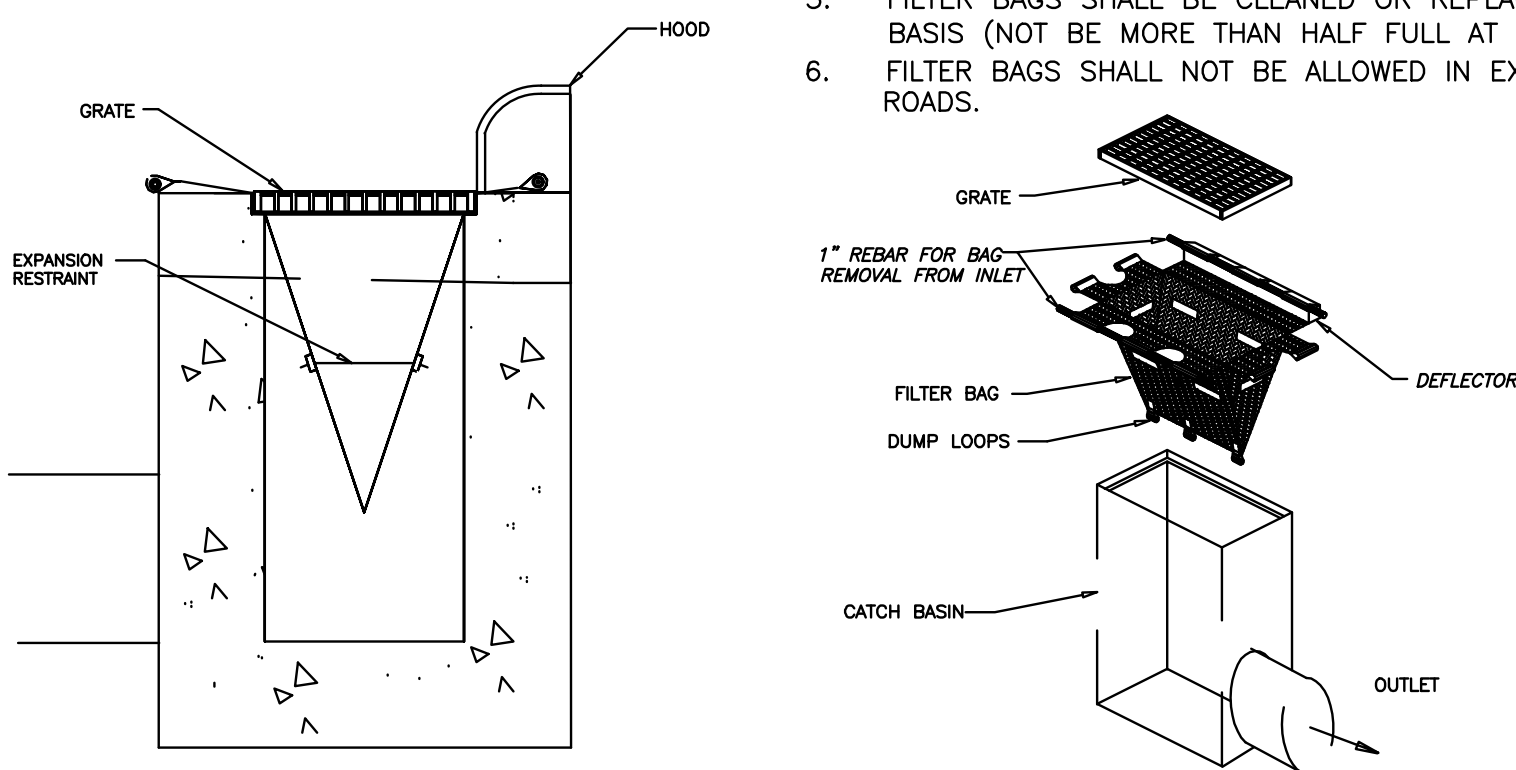
24 HOUR CONTACT:
ED UMSTEAD
706-840-4988

DATE: JANUARY 25, 2021
PROJECT: 19-050

SHEET: **C 804**

NOTES

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



SECTION

INSTALLATION

NOT TO SCALE

CATCH BASIN INLET PROTECTION

FOR LATE WINTER AND EARLY SPRING:

SEEDING MIXTURE:
 RYE (GRAIN) - 120 LB/ACRE
 ANNUAL LESPEDEZA (KOBE) - 50 LB/ACRE
 (OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXCEED BEYOND JUNE)

SEEDING DATES:
 JAN. 1 - MAY 1

FOR SUMMER:

SEEDING MIXTURE:
 GERMAN MILLET - 40 LB/ACRE
 (A SMALL-STEMMED SUDANGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE)

SEEDING DATES:
 MAY 1 - AUG. 15

FOR FALL:

SEEDING MIXTURE:
 RYE (GRAIN) - 120 LB/ACRE

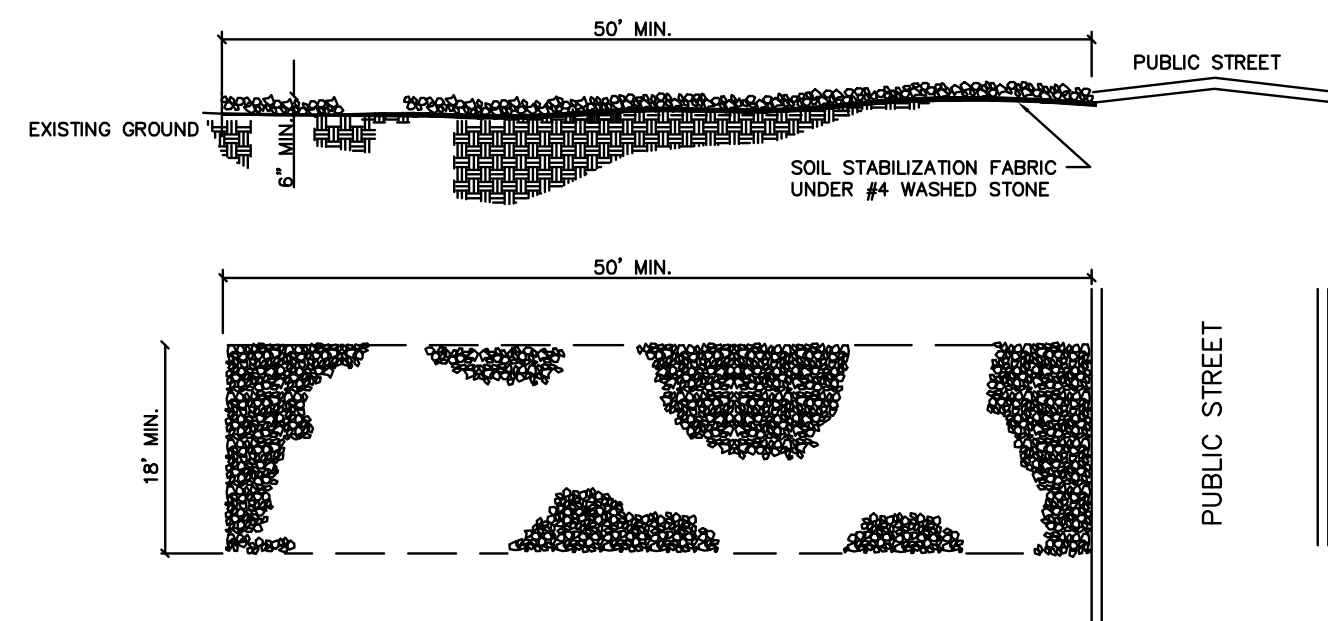
SEEDING DATES:
 AUG. 15 - DEC. 30

FOR ADDITIONAL INFORMATION, REFER TO NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM), SECTION 6.10. FOR PERMANENT SEEDING SPECIFICATIONS, INCLUDING SEED BED PREP, SEASONAL LIMITATIONS, FOR SEEDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIME, FERTILIZER, AND SEED, REFER TO NCDENR ESCPDM SECTION 6.11

TEMPORARY SEEDING SCHEDULE

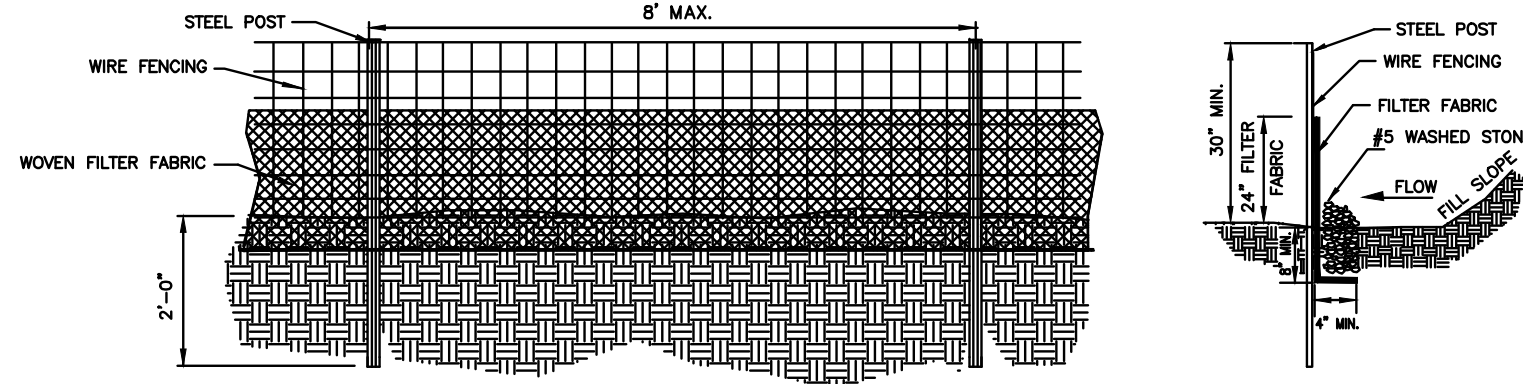
NOTES:

1. A STABILIZED ENTRANCE PAD OF #4 WASHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
2. FILTER FABRIC OR COMPACTED CRUSHER RUN STONE SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS WARRANT AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
4. ANY SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY.
5. WHEN APPROPRIATE, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.



NOT TO SCALE

STABILIZED CONSTRUCTION ENTRANCE



GENERAL NOTES:

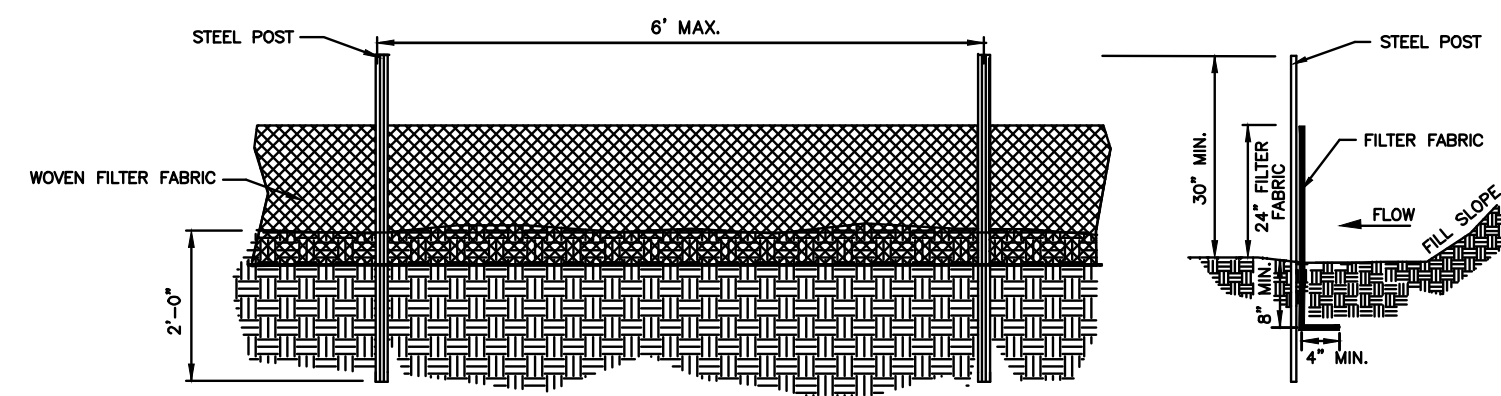
1. WIRE FENCING SHALL BE A MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
3. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
4. WIRE FENCING SHALL BE AT LEAST #10 GAGE WITH A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
5. TURN SILT FENCE UP SLOPE AT ENDS.
6. WIRE MESH SHALL BE MIN. 13 GAGE WITH MAXIMUM 12" OPENINGS.
7. WIRE AND WASHED STONE IS REQUIRED TO BE SHOWN ON PLANS AT THE TOE OF SLOPES GREATER THAN 10 FEET VERTICAL (2:1 SLOPE).
8. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
9. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT. OF FENCE.
10. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
11. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

NOT TO SCALE

HIGH HAZARD TEMPORARY SILT FENCE



GENERAL NOTES:

1. WOVEN FILTER FABRIC BE USED WHERE SILT FENCE IS TO REMAIN FOR A PERIOD OF MORE THAN 30 DAYS.
2. STEEL POSTS SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER ANGLE STEEL TYPE.
3. TURN SILT FENCE UP SLOPE AT ENDS.
4. ORANGE SAFETY FENCE IS REQUIRED AT BACK OF SILT FENCE WHEN GRADING IS ADJACENT TO SWIM BUFFERS, STREAMS OR WETLANDS (REFER TO SWIM BUFFER GUIDELINES). THE COLOR ORANGE IS RESERVED FOR VISUAL IDENTIFICATION OF ENVIRONMENTALLY SENSITIVE AREAS.
5. DRAINAGE AREA CAN NOT BE GREATER THAN 1/4 ACRE PER 100 FT. OF FENCE.
6. SLOPE LENGTHS CAN NOT EXCEED CRITERIA SHOWN IN TABLE 6.62A NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL.
7. DO NOT INSTALL SEDIMENT FENCE ACROSS STREAMS, DITCHES, WATERWAYS OR OTHER AREAS OF CONCENTRATED FLOW.

MAINTENANCE NOTES:

1. FILTER BARRIERS SHALL BE INSPECTED BY THE FINANCIALLY RESPONSIBLE PARTY OR HIS AGENT IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS NEEDED SHALL BE MADE IMMEDIATELY.
2. SHOULD THE FABRIC DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE REMOVED WHEN DEPOSITS REACH APPROX. HALF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE IS REMOVED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

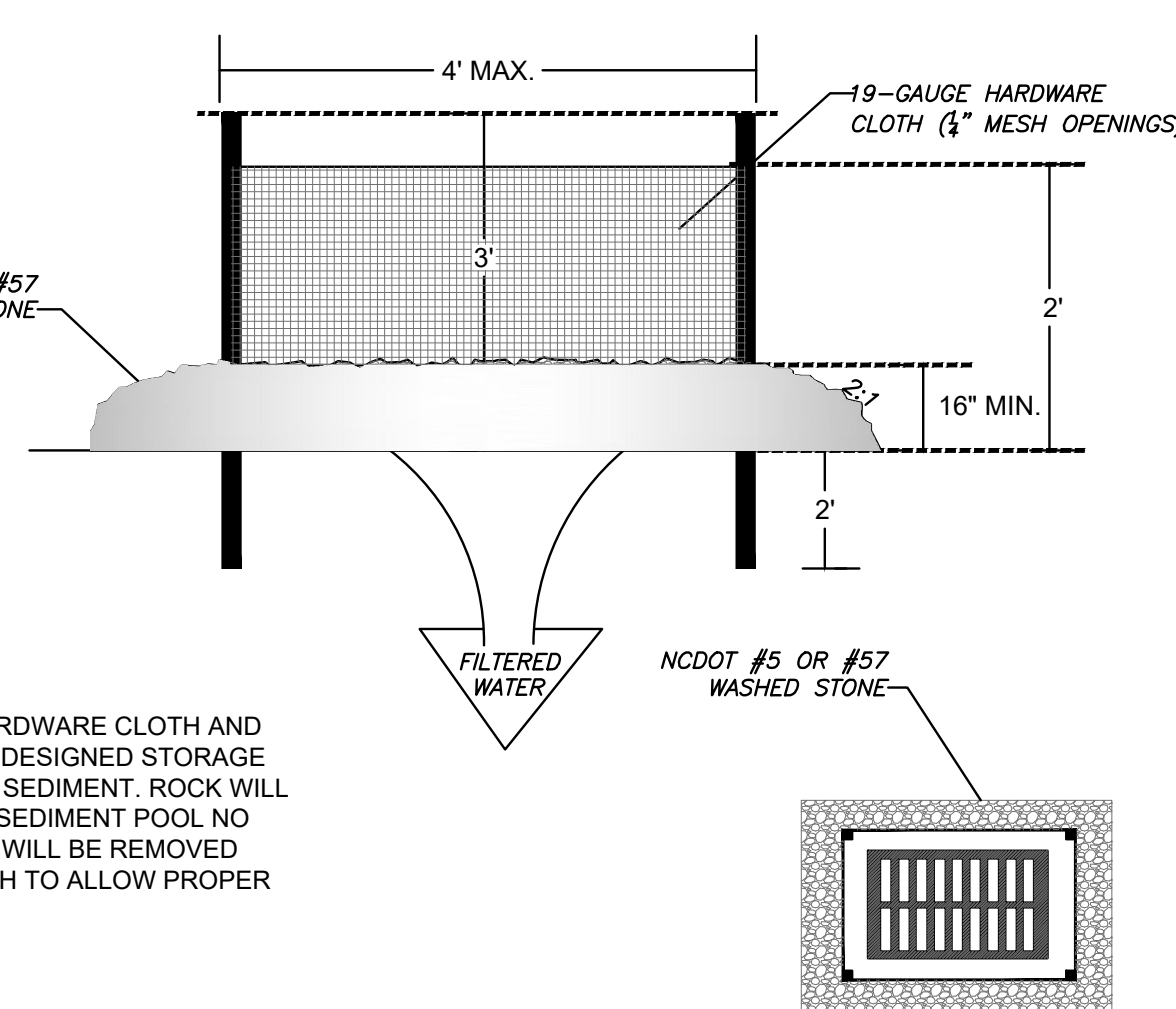
NOT TO SCALE

TEMPORARY SILT FENCE

GENERAL NOTES:

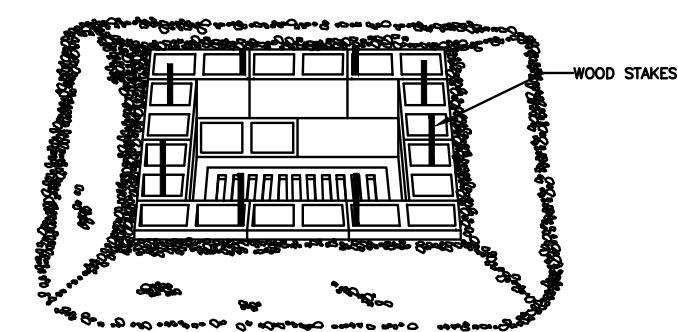
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET, A MAXIMUM OF 4 FEET APART.
3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO THE STEEL POSTS AT THE TOP, MIDDLE, AND BOTTOM. PLACING A 2-FOOT FLAP OF THE WIRE MESH UNDER THE GRAVEL FOR ANCHORING IS RECOMMENDED.
4. PLACE CLEAN GRAVEL (NC DOT #5 OR #57 STONE) ON A 2:1 SLOPE WITH A HEIGHT OF 16 INCHES 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 STABILIZED IT WITH GROUND COVER.

MAINTENANCE:
 SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE.

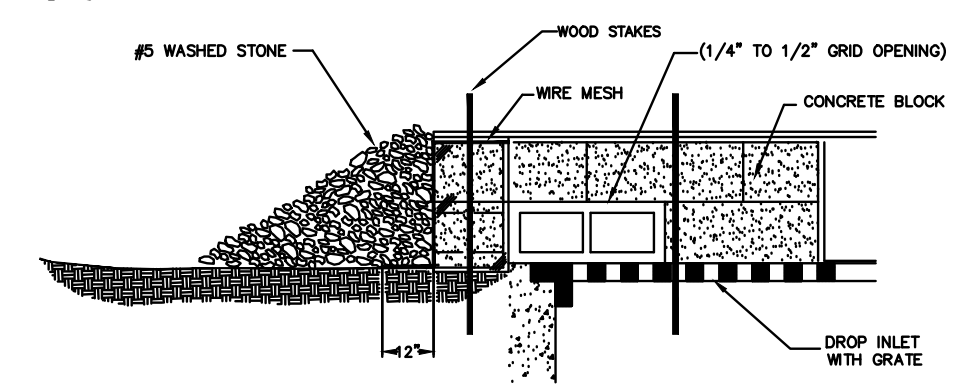


NOT TO SCALE

HARDWARE CLOTH AND GRAVEL INLET PROTECTION



MAINTENANCE:
 SEDIMENT WILL BE REMOVED FROM BLOCK AND GRAVEL INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK TO ALLOW PROPER DRAINAGE.

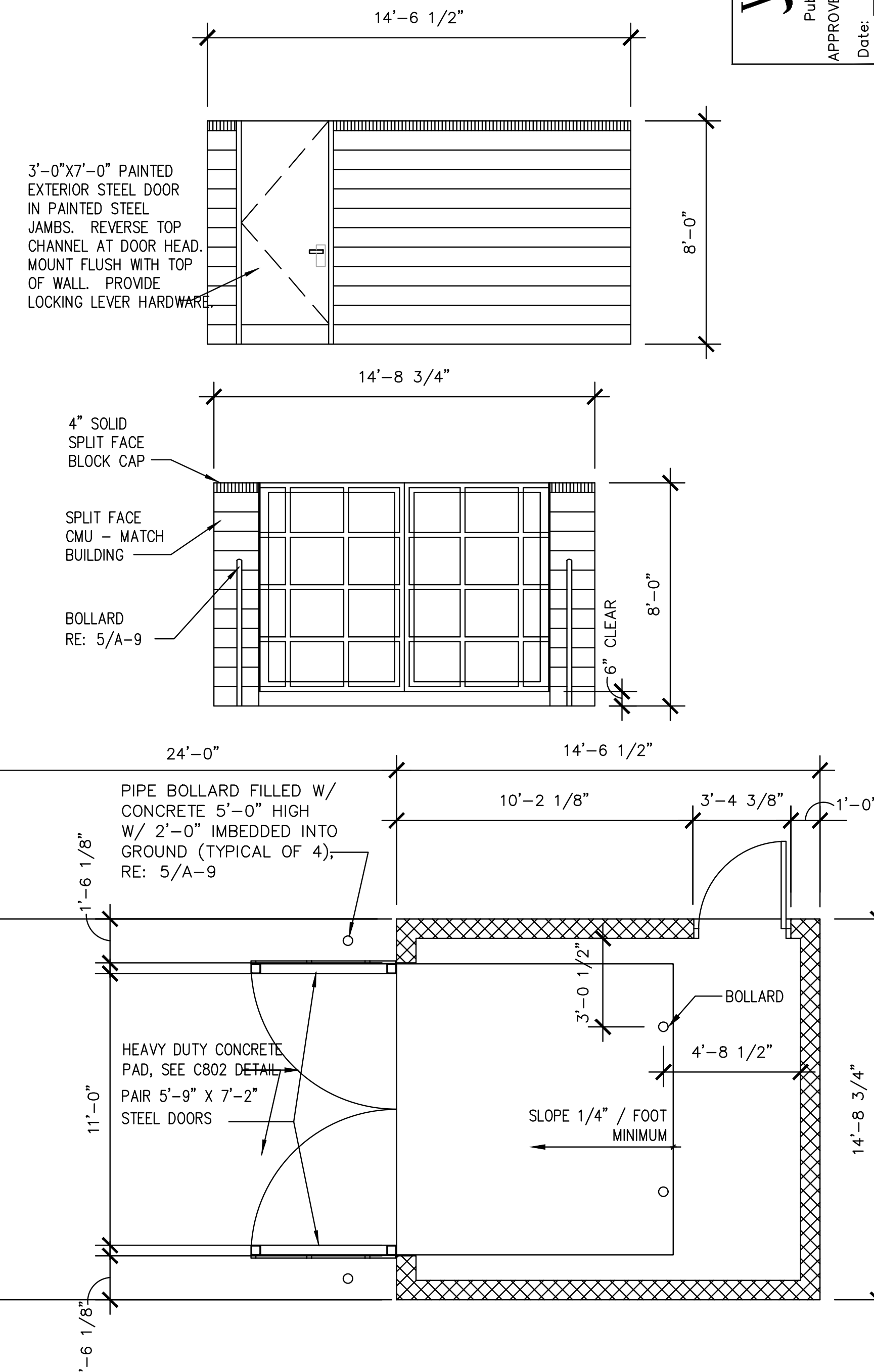


SPECIFIC APPLICATION:

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

BLOCK AND GRAVEL STONE INLET PROTECTION

NOT TO SCALE



DUMPSTER ENCLOSURE DETAIL N.T.S.

NOTE: DUMPSTER ENCLOSURE DETAIL TAKEN FROM ARCHITECTURAL PLANS AND ARE SHOWN FOR REFERENCE ONLY. REFER TO ARCH AND STRUCTURAL PLANS FOR EXACT DETAILS

24 HOUR CONTACT:
 ED UMSTEAD
 706-840-4988

APPROVED CONSTRUCTION PLAN
 Name: _____ Date: _____
 Planning: _____
 Traffic: _____
 Erosion: _____
 Permit #: _____
 Signed: _____

ON SITE CIVIL GROUP
 ON SITE CIVIL GROUP OF THE CAROLINAS, PLLC
 980 BIRMINGHAM RD., SUITE 500-540, MILTON, GA 30004
 TEL: 770-835-3333 FAX: 770-835-3333
 WWW.ONSITECIVIL.COM INFO@ONSITECIVIL.COM

THESE DRAWINGS ARE THE PROPERTY OF ON SITE CIVIL GROUP, LLC AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF ON SITE CIVIL GROUP, LLC.

1-25-21

REVISIONS

No.	DATE	DESCRIPTION

CLIENT:
 SND MAYFAIRE, LLC
 943 BALDWIN PARK DR
 WILMINGTON, NC 28411
CONTACT: STEPHEN UMSTEAD
 910-262-2831
 STEPHEN@PLASHANDASHONLINE.COM

SPLASH N DASH MAYFAIRE
 1445 EASTWOOD RD
 CITY OF WILMINGTON,
 NEW HANOVER COUNTY
 NORTH CAROLINA

CONSTRUCTION DETAILS

DATE: JANUARY 25, 2021
 PROJECT: 19-050

SHEET: **C 805**