

REVISIONS		
No.	Date	Description

- SITE INVENTORY NOTES:**
- PREPARER OF THE PLAN: TRIPP ENGINEERING, P.C.
 - APPLICANT NAME: GPT INVESTMENTS, LLC
 - SITE ADDRESS OF THE DEVELOPMENT: 6753 AND 6757 MARKET ST.
 - PROPERTY OWNER: GPT INVESTMENTS, LLC
 - DEVELOPER: GPT INVESTMENTS, LLC
 - PROPERTY BOUNDARY: SEE PLAN
TAX PARCEL INFORMATION: R04320-001-006-000
R04320-001-006-000
 - PROPERTY ZONING: RB-REGIONAL BUSINESS
 - ADJACENT PROPERTY OWNER INFORMATION: SEE PLAN
 - VICINITY MAP: SEE PLAN
 - TOPOGRAPHY: SEE PLAN
 - 100-YEAR FLOOD BOUNDARY: N/A
 - EXISTING DITCHES, CREEKS AND STREAMS: SEE PLAN
 - SOIL: Le; LEON SAND
 - CAMA AEC: N/A
 - CAMA LAND CLASSIFICATION: URBAN
 - CONSERVATION RESOURCES: NONE
ASSOCIATED SETBACKS: N/A
 - HISTORIC OR ARCHAEOLOGICAL SITE: N/A
 - CEMETERIES, BURIAL SITES/GROUNDS: N/A
 - FORESTED AREAS, HABITAT AND DOMINANT SPECIES: N/A
 - WETLANDS: SEE PLAN
 - PROTECTED SPECIES OR HABITAT: N/A
 - EXISTING OR PROPOSED THOROUGHFARES, BIKE ROUTES, PEDESTRIAN SIDEWALKS OR TRAILS AND TRANSIT FACILITIES: SEE SITE PLAN

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan	
Name	Date
Planning	
Traffic	
Fire	

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED STORMWATER MANAGEMENT PLAN
Date: _____ Permit # _____
Signed: _____

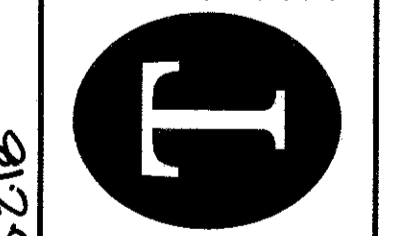
LEGEND

- + 43.80 EXISTING SPOT ELEVATION
- - - - - EXISTING CONTOUR
- XXXXX DEMO/TO BE REMOVED

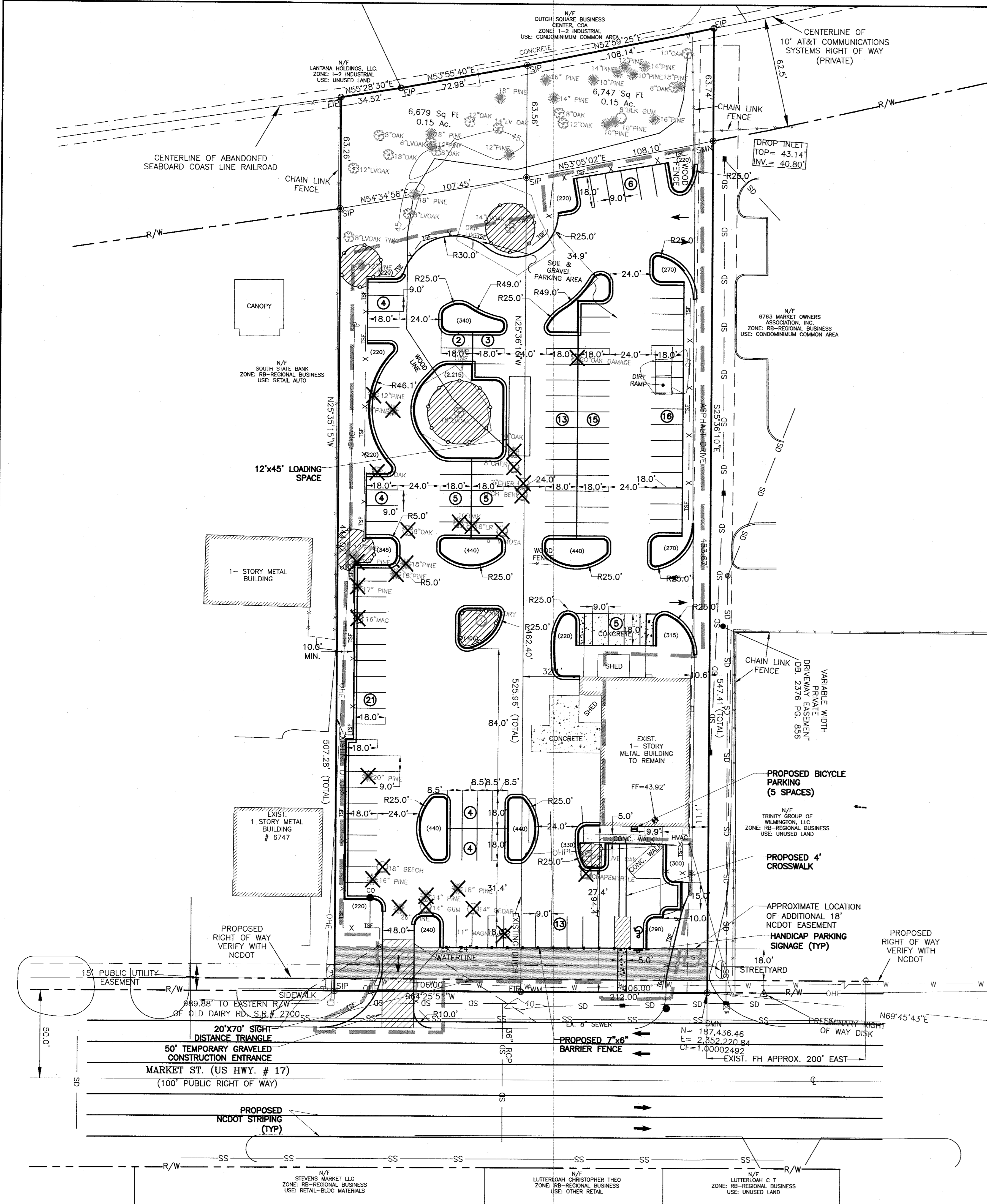
SITE PLAN
BAR SCALE 1"=30'

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
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BLUEWATER MOTORSPORTS
OWNER: GPT INVESTMENTS, LLC
ADDRESS: 6753-6757 MARKET ST., WILMINGTON, NC



DATE 08-02-18
DESIGN PGT
DRAWN EJW



INVENTORY OF TREES TO BE REMOVED

TREE TYPE	TREE SIZE	QUANTITY
PINE	12"	1
PINE	14"	2
PINE	16"	2
PINE	17"	1
PINE	18"	3
PINE	20"	1
PINE	26"	1
OAK	8"	2
OAK	10"	3
OAK (DAMAGED)	20"	17
MAGNOLIA	11"	1
MAGNOLIA	16"	1
CHERRY	7"	1
CHERRY	8"	2
MIMOSA	6"	1
BEECH	18"	1
GUM	14"	1
CEDAR	14"	1

NOTES:

ZONING

- 1) TOPOGRAPHY AND TREE SURVEY COMPLETED BY MARK A. STOCKS, P.L.S.
- 2) PERMITTING OF BUSINESS IDENTIFICATION SIGNAGE IS A SEPARATE PROCESS. CITY OF WILMINGTON WILL NOT ALLOW OBSTRUCTIONS WITHIN THE RIGHT-OF-WAY.
- 3) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
- 4) EXISTING EASEMENTS AS SHOWN
- 5) CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.

SOLID WASTE

- 1) SITE TO USE ROLL-OUT TYPE CARTS.

TRAFFIC

- 1) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- 2) ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- 3) CONTACT TRAFFIC ENGINEERING AT 341-7888 TO ENSURE THAT ALL TRAFFIC SIGNALS FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
- 4) CALL TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- 5) ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS AND CURBING WILL BE REPLACED.
- 6) CONTACT TRAFFIC ENGINEERING AT 741-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- 7) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- 8) NO ROWS TO BE CLOSED.
- 9) NO STREETS PROPOSED.
- 10) NO OFF SITE PARKING PROPOSED.
- 11) DRIVEWAY IS PROPOSED.
- 12) TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- 13) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 14) STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- 15) TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- 16) A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
- 17) A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT. (SD 15-14 CONW TECH STDS)

LANDSCAPING

- 1) PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES AND NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- 2) ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO INSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- 3) NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTIONS ON TREE PROTECTION METHODS.
- 4) ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10'.

CEPLA

- 1) SITE TO UTILIZE EXISTING UTILITIES.

DRAINAGE

- 1) SITE TO DRAIN TO A PERMITTED OFFSITE STORMWATER POND.

FIRE AND LIFE SAFETY NOTES

- 1) ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

CITY OF WILMINGTON
NORTH CAROLINA

Public Services • Engineering Division

APPROVED STORMWATER MANAGEMENT PLAN

Date: _____ Permit # _____

Signed: _____

SITE DATA:

PROPERTY OWNER(S) GPT INVESTMENTS, LLC
140 KING ARTHUR DR
WILMINGTON, NC 28403

PROJECT ADDRESS(ES) 6753 MARKET ST.
6757 MARKET ST.

PIN NUMBER(S) R04320-001-008-000
R04320-001-007-000

AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.

ZONING DISTRICT RB-REGIONAL BUSINESS

DISTURBED AREA 2 Ac.

SETBACKS REQUIRED FRONT: 25'
REAR: 15'
SIDE: 0'
CORNER LOT SIDE: 25'

PROPOSED BUILDING SETBACKS FRONT: 94'
REAR: 360'
SIDE: 10.6'
CORNER LOT SIDE: N/A

TRACT AREA 11,580 SF (2.56 AC)

BUILDING USE AUTOMOBILE DEALER

PROPOSED BUILDING AREA (GROSS) 0 SF

EXISTING BUILDING AREA (GROSS) 4,824 SF

BUILDING LOT COVERAGE (4,824/11,580) 41.7%

NUMBER OF UNITS 1

NUMBER OF BUILDINGS 1

BUILDING HEIGHT 18'

NUMBER OF STORIES 1

SF PER FLOOR (GROSS) 4,824 SF

EXISTING ON-SITE IMPERVIOUS AREAS:

EXISTING BUILDINGS 4,824 SF

EXISTING ASPHALT 10,440 SF

EXISTING CONCRETE 2,208 SF

TOTAL EXISTING IMPERVIOUS AREA 17,472 SF (15.6%)

PROPOSED ON-SITE IMPERVIOUS AREAS:

PROPOSED BUILDING 0 SF

PROPOSED ASPHALT 56,428 SF

PROPOSED CONCRETE 132 SF

TOTAL PROPOSED IMPERVIOUS AREA 56,560 SF (50.7%)

EXISTING ON-SITE IMPERVIOUS TO BE REMOVED -2,052 SF

EXISTING IMPERVIOUS TO REMAIN 15,420 SF

FUTURE 1,020 SF

PROPOSED+EXISTING IMPERVIOUS 73,000 SF (65.4%)

PARKING REQUIRED: (AUTOMOBILE DEALER) 4,824 SF

MINIMUM: 1/500 SF (4,824/500) 10

TOTAL PARKING PROVIDED: 120

CUSTOMER/EMPLOYEE PARKING 110

INVENTORY PARKING 10

HANDICAP SPACES REQUIRED: PROPOSED:

(1-25 SPACES=1 HANDICAP SPACE) 1 SURFACE HANDICAP SPACE

10 SPACES

CAMA LAND USE: URBAN

PUBLIC WATER AND SEWER BY CPWA

EXISTING WATER FLOW: 600 GPD

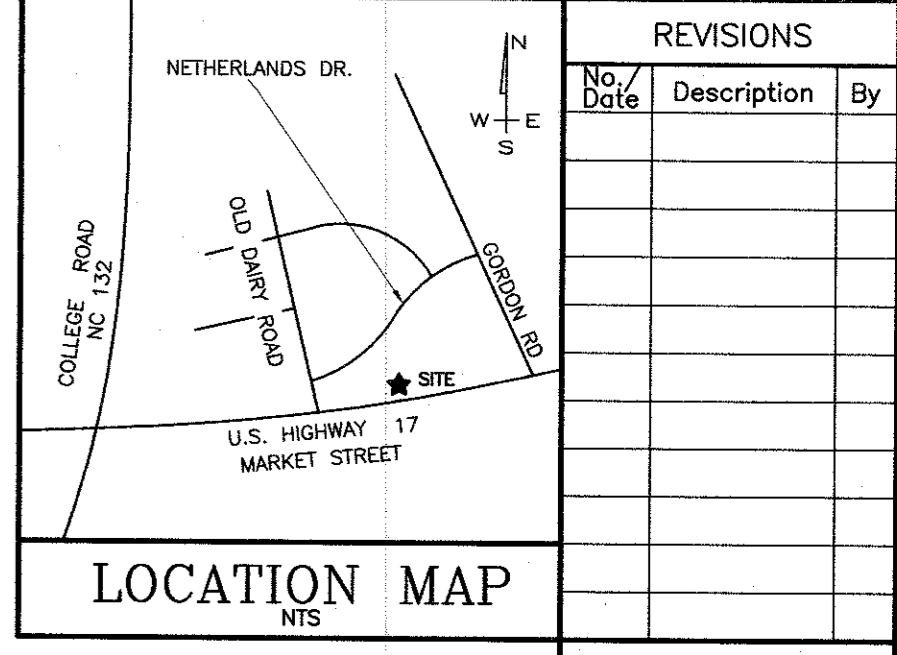
EXISTING SEWER FLOW: 500 GPD

PROPOSED WATER FLOW: 300 GPD

PROPOSED SEWER FLOW: 250 GPD

BICYCLE PARKING REQUIRED (10 SPACES) 5 BICYCLE PARKS

BICYCLE PARKING PROPOSED 5 BICYCLE PARKS



REVISIONS

No.	Date	Description	By

LEGEND

- EXISTING TREE TO BE REMOVED
- TREE PROTECTION
- EXISTING CONCRETE
- PROPOSED CONCRETE
- LIMITS OF DISTURBANCE
- TEMPORARY SILT FENCE

SITE PLAN

BAR SCALE 1"=30'

TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-5100
Fax 910-763-5631
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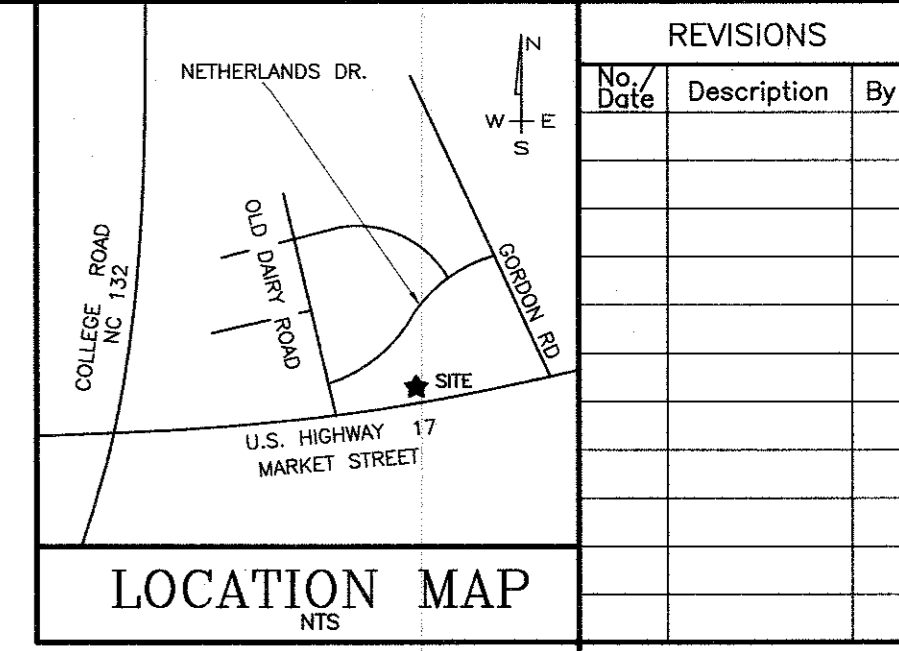
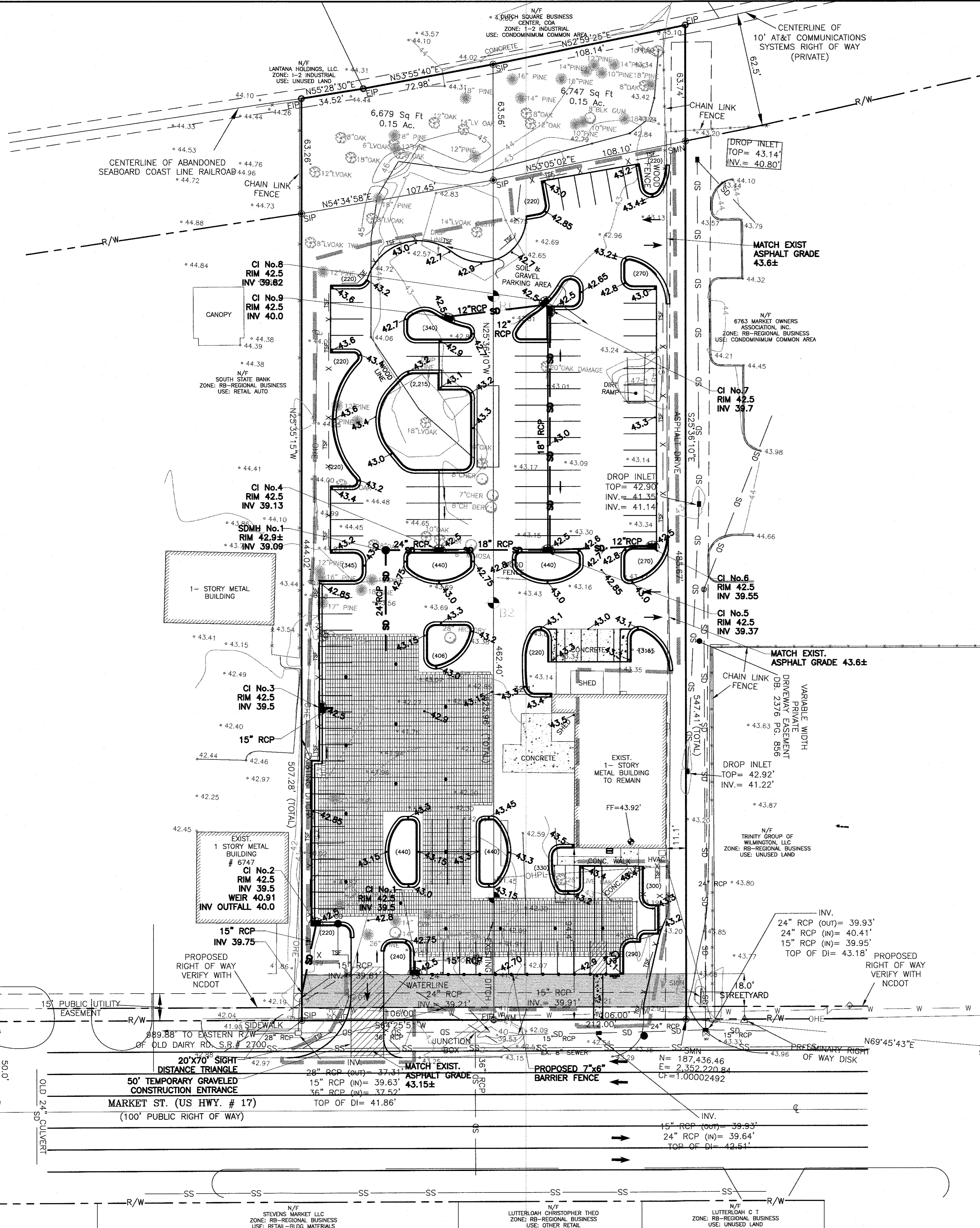
BLUEWATER MOTORSPORTS
OWNER: GPT INVESTMENTS, LLC
ADDRESS: 6753-6757 MARKET ST., WILMINGTON, NC

PHILIP GREGORY TRIPP
REGISTERED PROFESSIONAL ENGINEER
NORTH CAROLINA
17374

DATE 08-02-18
DESIGN PGT
DRAWN EJW

C2

SHEET 2 OF 5
17041



REVISIONS		
No.	Date	Description

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- 1) ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.

SITE DATA:

PROPERTY OWNER(S)	GPT INVESTMENTS, LLC 140 KING ARTHUR DR. WILMINGTON, NC 28403
PROJECT ADDRESS(ES)	6753 MARKET ST. 6757 MARKET ST.
PIN NUMBER(S)	R04320-001-006-000 R04320-001-007-000
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.	
ZONING DISTRICT	RB-REGIONAL BUSINESS
DISTURBED AREA	2 Ac.
SETBACKS REQUIRED	FRONT: 25' REAR: 15' SIDE: 0' CORNER LOT SIDE: 25'
PROPOSED BUILDING SETBACKS	FRONT: 94' REAR: 350' SIDE: 10.6' CORNER LOT SIDE: N/A
TRACT AREA	11,580 SF (2.56 AC)
BUILDING USE	AUTOMOBILE DEALER
PROPOSED BUILDING AREA (GROSS)	0 SF
EXISTING BUILDING AREA (GROSS)	4,824 SF
BUILDING LOT COVERAGE (4,824/11,580)	4.3%
NUMBER OF UNITS	1
NUMBER OF BUILDINGS	18
BUILDING HEIGHT	1
NUMBER OF STORIES	1
SF PER FLOOR (GROSS)	4,824 SF
EXISTING ON-SITE IMPERVIOUS AREAS:	
EXISTING ASPHALT	10,440 SF
EXISTING CONCRETE	2,208 SF
TOTAL EXISTING IMPERVIOUS AREA	17,472 SF (15.6%)
PROPOSED ON-SITE IMPERVIOUS AREAS:	
PROPOSED BUILDING	56,428 SF
PROPOSED ASPHALT	132 SF
PROPOSED CONCRETE	132 SF
TOTAL PROPOSED IMPERVIOUS AREA (56,428)	56,560 SF (2,052 SF)
EXISTING ON-SITE IMPERVIOUS TO BE REMOVED	15,420 SF
EXISTING IMPERVIOUS TO REMAIN	1,020 SF
FUTURE	1,020 SF
PROPOSED+EXISTING IMPERVIOUS	73,000 SF (65.4%)
PARKING REQUIRED: (AUTOMOBILE DEALER) 4,824 SF	
MINIMUM: 1/500 SF (4,824/500)	10
TOTAL PARKING PROVIDED:	120
CUSTOMER/EMPLOYEE PARKING	10
INVENTORY PARKING	110
HANDICAP SPACES REQUIRED: (1-23 SPACES=1 HANDICAP SPACE)	PROPOSED:
10 SPACES	10 SPACES
CAMA LAND USE:	URBAN
PUBLIC WATER AND SEWER BY OFFPIA	
EXISTING WATER FLOW:	600 GPD
EXISTING SEWER FLOW:	500 GPD
PROPOSED WATER FLOW:	300 GPD
PROPOSED SEWER FLOW:	250 GPD
BICYCLE PARKING REQUIRED (10 SPACES)	5 BICYCLE PARKS
BICYCLE PARKING PROPOSED	5 BICYCLE PARKS

LEGEND

• 43.80	EXISTING SPOT ELEVATION
• 49.5	PROPOSED SPOT ELEVATION
---	EXISTING CONTOUR
SD	PROPOSED STORMWATER
X	PROPOSED SILT FENCE
---	LIMITS OF DISTURBANCE
---	PROPOSED RAIN TANKS
---	EXISTING CONCRETE
---	PROPOSED CONCRETE

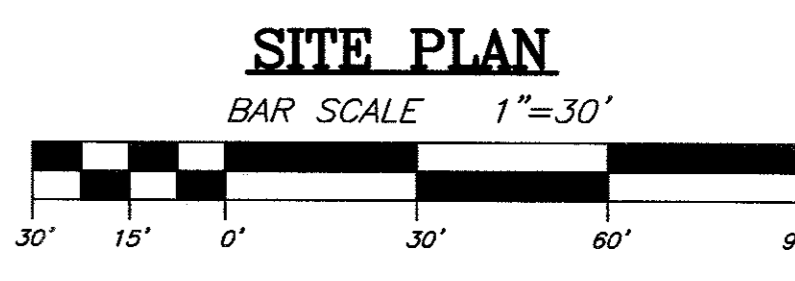
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Name	Date
Planning	
Traffic	
Fire	

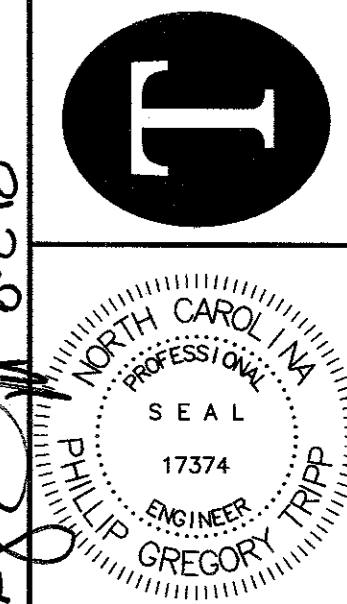
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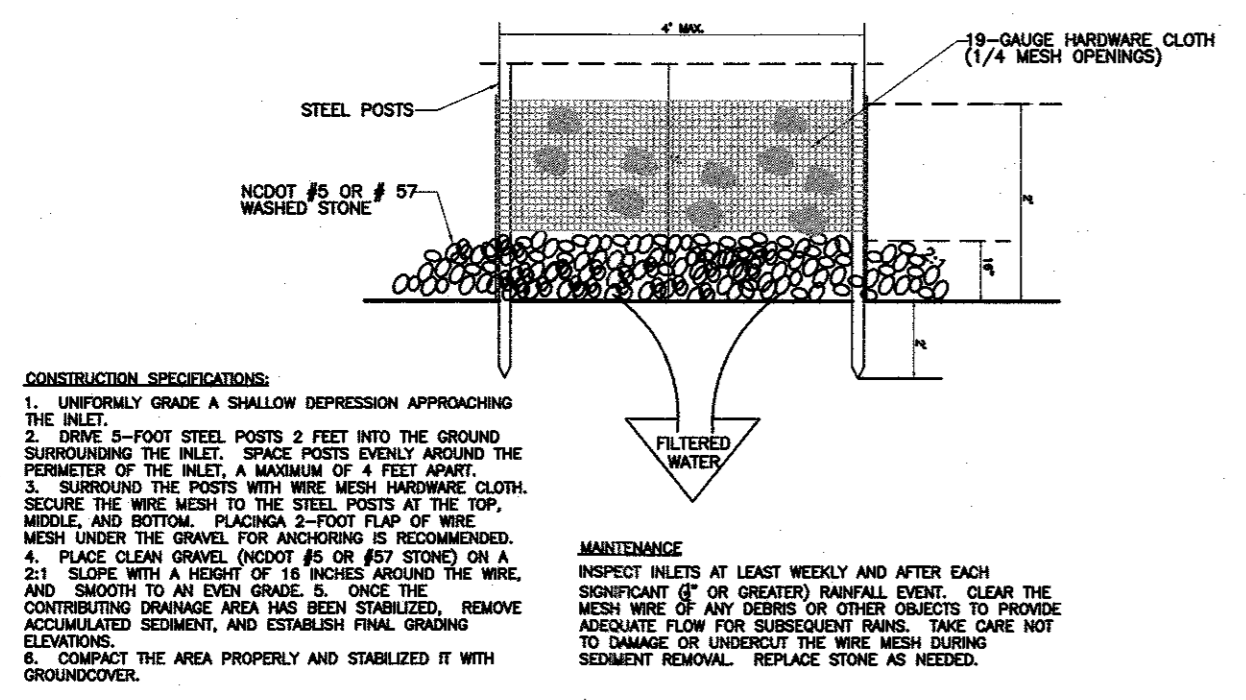


GRADING, DRAINAGE, EROSION CONTROL AND STORMWATER MANAGEMENT
BLUEWATER MOTORSPORTS
OWNER: GPT INVESTMENTS, LLC
ADDRESS: 6753-6757 MARKET ST., WILMINGTON, NC

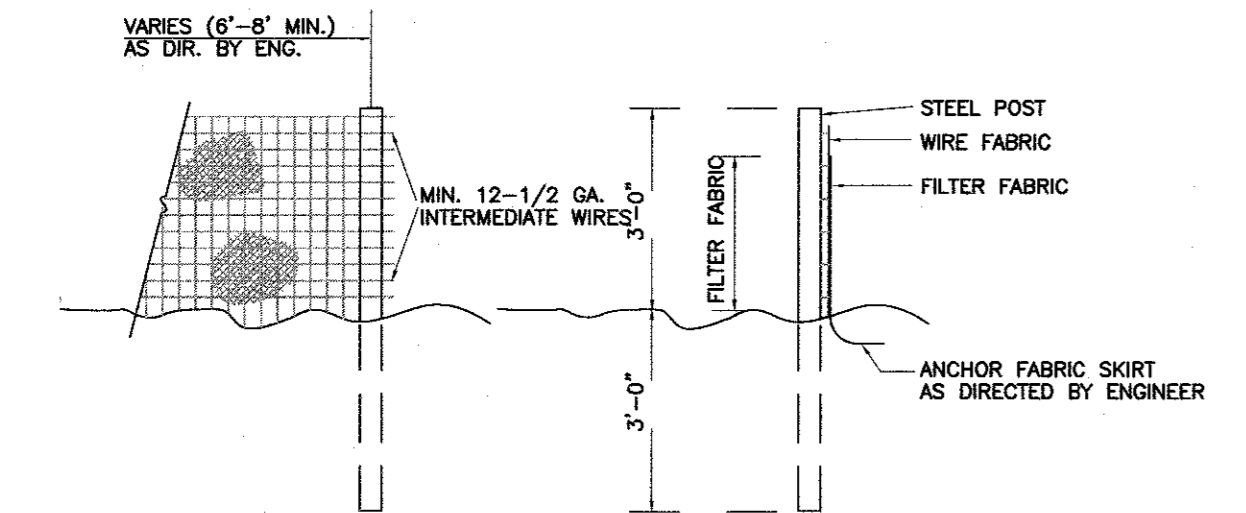
TRIPP ENGINEERING, P.C.
419 Chestnut Street
Wilmington, North Carolina 28401
Phone 910-763-6100
Fax 910-763-5631
© LICENSE NO. C-1257



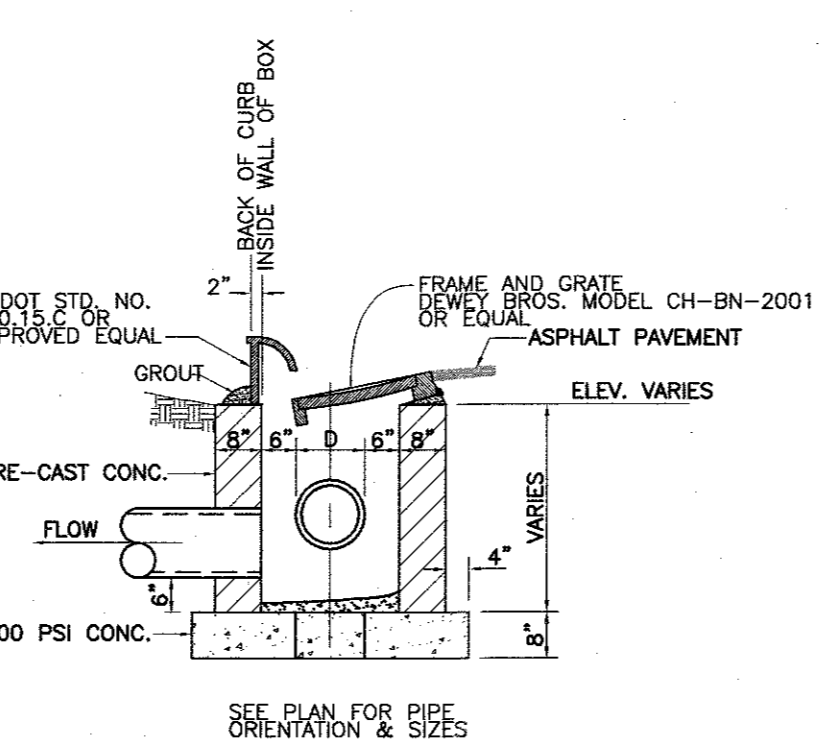
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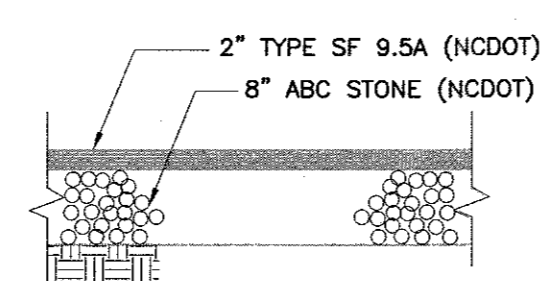
HARDWARE CLOTH AND GRAVEL INLET PROTECTION



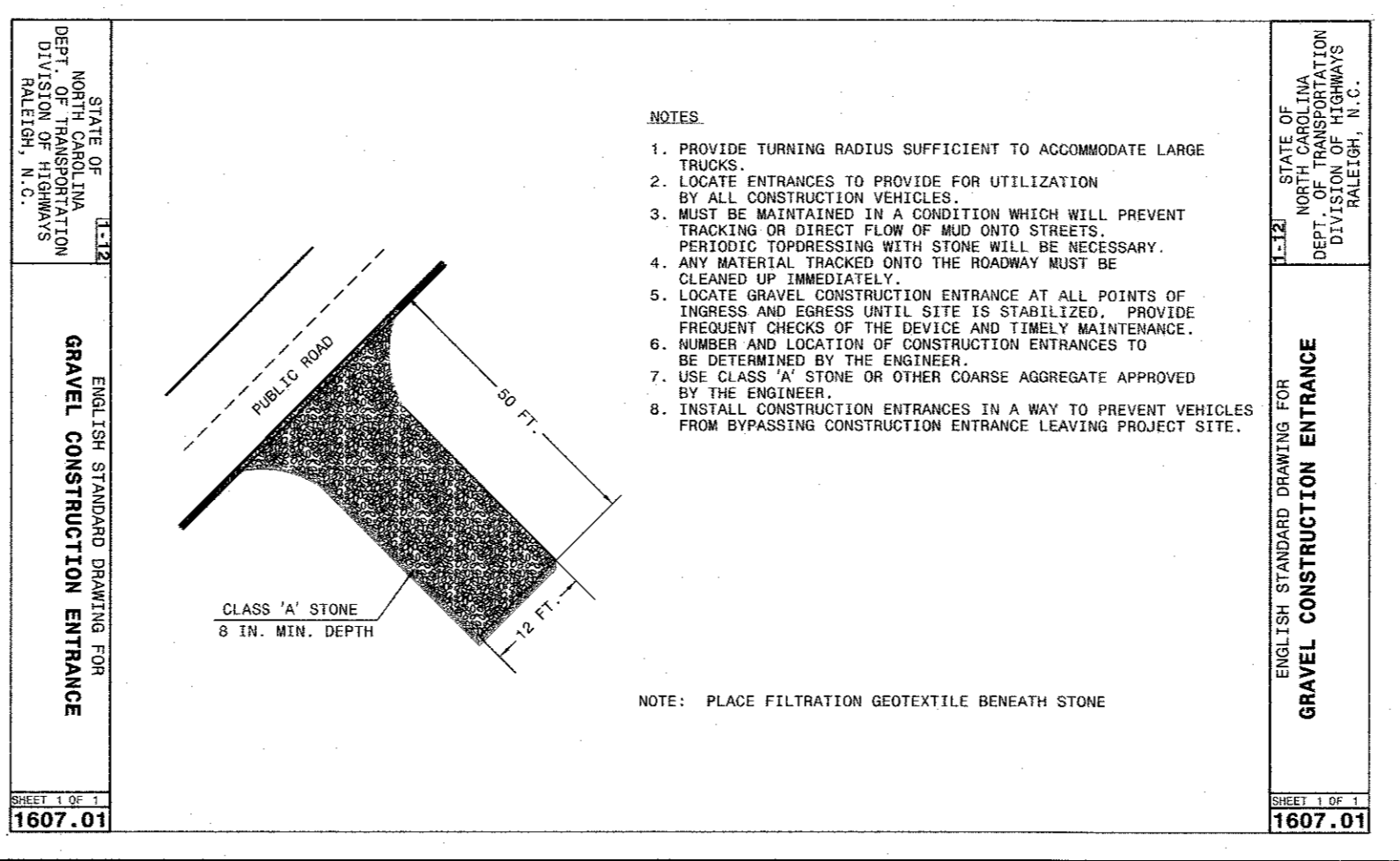
TEMPORARY SILT FENCE



CURB INLET DETAIL



CITY OF WILMINGTON PAVEMENT SECTION



ENGLISH STANDARD GRAVEL CONSTRUCTION ENTRANCE

BUILDING WASTE HANDLING

- NO PAINT OR LIQUID WASTES IN STREAMS OR STORM DRAINS.
- DEDICATED AREAS FOR DEMOLITION, CONSTRUCTION AND OTHER WASTES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- EARTHEN-MATERIALS STOCKPILES MUST BE LOCATED 50' FROM STORM DRAINS AND STREAMS UNLESS NO REASONABLE ALTERNATIVES AVAILABLE.
- CONCRETE MATERIALS MUST BE CONTROLLED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS.

INSPECTIONS

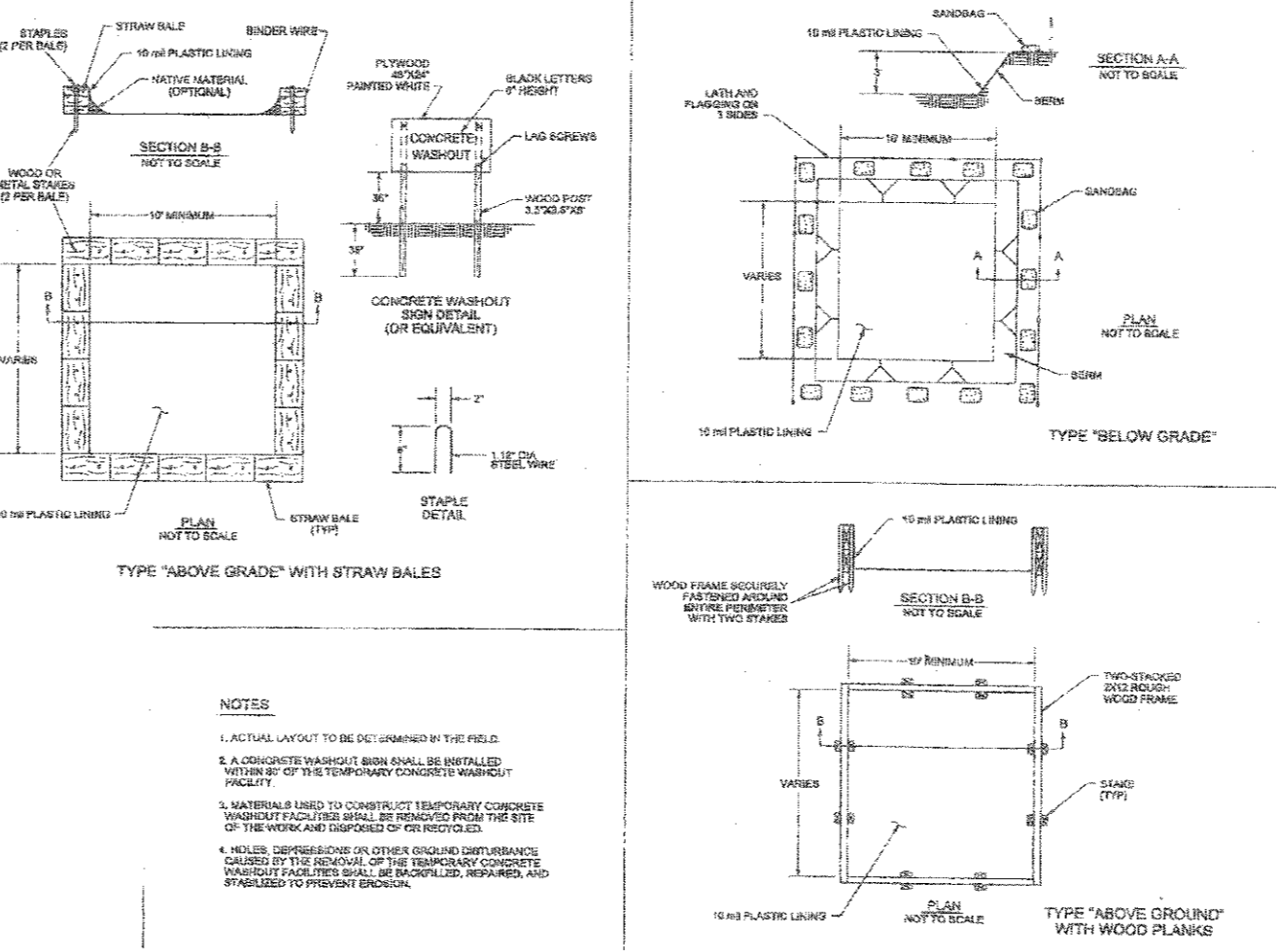
- SAME WEEKLY INSPECTION REQUIREMENTS.
- SAME RAIN GAUGE AND INSPECTIONS AFTER 0.5" RAIN EVENT.
- INSPECTIONS ARE ONLY REQUIRED DURING "NORMAL BUSINESS HOURS".
- INSPECTION REPORTS MUST BE AVAILABLE ON-SITE DURING BUSINESS HOURS UNLESS A SITE-SPECIFIC EXEMPTION IS APPROVED.
- RECORDS MUST BE KEPT FOR 3 YEARS AND AVAILABLE UPON REQUEST.
- ELECTRONICALLY AVAILABLE RECORDS MAY BE SUBSTITUTED UNDER CERTAIN CONDITIONS.

SEDIMENT BASINS

- OUTLET STRUCTURES MUST WITHDRAW FROM BASIN SURFACE UNLESS DRAINAGE AREA IS LESS THAN 1 ACRE.
- USE ONLY DMC-APPROVED FLOCCULANTS.

NPDES-SPECIFIC PLAN SHEETS NOTES

- THIS PAGE IS SUBMITTED TO COMPLY WITH NPDES GENERAL STORMWATER PERMIT NCDOT10000.
- THIS PAGE CAN BE APPROVED BY THE COUNTY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCDOT10000 ONLY.
- THIS PAGE OF THE APPROVED PLANS IS ENFORCEABLE EXCLUSIVELY PURSUANT TO NPDES GENERAL STORMWATER PERMIT NCDOT10000.
- THE COUNTY IS NOT AUTHORIZED TO ENFORCE THIS PAGE OF THE PLANS AND IT IS NOT A PART OF THE APPROVED PLANS FOR THE PURPOSES OF ENFORCEMENT ACTION UNDER THE COUNTY CODE.



CONCRETE WASHOUT DETAIL

NPDES GROUND STABILIZATION CRITERIA

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

TEMPORARY SEEDING SPECIFICATION

SEEDING MIXTURE	RATE (lb./acre)
LATE WINTER & EARLY SPRING	120
Species: Annual Ryegrass (Koba in Piedmont and Coastal Plain, Kora in Mountains)	50
Species: Omit annual ryegrass when duration of temporary cover is not to extend beyond June.	40
SUMMER	40
Species: In the Piedmont and mountains, a semi-stemmed sudangrass may be substituted at a rate of 50 lb/acre.	40
Species: German Millet	40
FALL	40
SEEDING DATES	
LATE WINTER & EARLY SPRING	
Mountain - Above 2500 ft. Feb. 15-May 15	
Piedmont - Jan. 1-May 1	
Coastal Plain - Dec. 1-Apr. 15	
SUMMER	
Mountain - May 15-Aug 15	
Piedmont - May 15-Aug 15	
Coastal Plain - Apr. 15-Aug 15	
FALL	
Mountain - Aug 15-Dec 15	
Piedmont and Coastal Plain - Aug 15-Dec 30	
SOIL AMENDMENTS	
FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.	
MULCH	
APPLY 4000 LB/ACRE STRAW, ANCHOR STRAW BY TACKLING WITH ASPHALT, BITUMING, OR A MALLEABLE ANCHORING TOOL. DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MALLEABLE ANCHORING TOOL.	
MAINTENANCE	
REFERITIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERITIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.	

SPRING-SUMMER PERMANENT GRASSING DETAIL

SEEDING MIXTURE	RATE (lb./acre)
SEEDING NOTES	
1. SEEDING MIXTURE IS SUBJECT TO SITE SPECIFIC REQUIREMENTS.	
2. USE COMMON PERENNIAL GRASS ONLY ON ISOLATED SITES WHERE IT CANNOT BE DESIRED. OMIT SEROTUS GRASS MAY BE REPLACED WITH 5 lb/acre CENTIFOLIA GRASS.	
SEEDING DATES	
APRIL 1 - JULY 15	
SOIL AMENDMENTS	
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 500 LB/ACRE 10-10-10 FERTILIZER.	
MULCH	
APPLY 4000 LB/ACRE STRAW EQUIVALENT COVER OF ANOTHER SUITABLE MULCH. DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MALLEABLE ANCHORING TOOL. DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MALLEABLE ANCHORING TOOL.	
MAINTENANCE	
REFERITIZE THE FOLLOWING APRIL WITH 50 LB/ACRE NITROGEN. REPEAT AS GROWTH REQUIRES. MAY BE REPEATED ONLY ONCE A YEAR. REPEAT AS NEAR AS POSSIBLE AS DESIRED. OMIT SEROTUS AND WMA AS OFTEN AS NEEDED.	

SITE POLLUTANTS NOTES

- LOCATE AREAS DEDICATED FOR MANAGEMENT OF LAND CLEARING AND DEMOLITION DEBRIS, CONSTRUCTION AND DOMESTIC WASTE, AND HAZARDOUS OR TOXIC WASTE. THIS LOCATION SHALL BE AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- DUMPING OF PAINT OR OTHER LIQUID BUILDING MATERIAL WASTES IN STORM DRAINS IS PROHIBITED.
- LITTER AND SANITARY WASTE-THE PERMITTEE SHALL CONTROL THE MANAGEMENT AND DISPOSAL OF LITTER AND SANITARY WASTE FROM THE SITE.
- LOCATE EARTHEN-MATERIAL STOCK PILE AREAS AT LEAST 50' AWAY FROM STORM DRAIN INLETS AND SURFACE WATERS UNLESS IT CAN BE SHOWN THAT NO OTHER ALTERNATIVES ARE REASONABLY AVAILABLE.
- CONCRETE MATERIALS ON-SITE, INCLUDING EXCESS CONCRETE, MUST BE CONTROLLED AND MANAGED TO AVOID CONTACT WITH SURFACE WATERS, WETLANDS OR BUFFERS. NO CONCRETE OR CEMENT SLURRY SHALL BE DISCHARGED FROM THE SITE.
- ANY HARDENED CONCRETE RESIDUE WILL BE DISPOSED OF, OR RECYCLED ON SITE, IN ACCORDANCE WITH LOCAL AND STATE SOLID WASTE REGULATIONS.
- SOIL STABILIZATION SHALL BE ACHIEVED ON ANY AREA OF A SITE WHERE LAND-DISTURBING ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED ACCORDING TO THE FOLLOWING SCHEDULE:
 - ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 7 CALENDAR DAYS FROM THE LAST LAND DISTURBING ACTIVITY.
 - ALL OTHER DISTURBED AREAS SHALL BE PROVIDED TEMPORARY OR PERMANENT STABILIZATION WITH GROUND COVER AS SOON AS PRACTICABLE BUT IN ANY EVENT WITHIN 14 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACTIVITY.
 - CONDITIONS-IN MEETING THE STABILIZATION REQUIREMENTS ABOVE, THE FOLLOWING CONDITIONS OR EXEMPTIONS SHALL APPLY:
 - ALL SLOPES 50' IN LENGTH OR GREATER SHALL APPLY TO GROUND COVER WITHIN 7 DAYS EXCEPT WHEN THE SLOPE IS FLATTER THAN 4:1. SLOPES LESS THAN 50' SHALL APPLY TO GROUND COVER WITHIN 14 DAYS EXCEPT WHEN SLOPES ARE STEEPER THAN 3:1. THE 7-DAY REQUIREMENT APPLIES TO ALL SLOPES FLATTER THAN 4:1. SLOPES FLATTER THAN 4:1 SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT.
 - SLOPES 10' OR LESS IN LENGTH SHALL BE EXEMPT FROM THE 7-DAY GROUND COVER REQUIREMENT EXCEPT WHEN THE SLOPE IS STEEPER THAN 3:1.
 - ALTHOUGH STABILIZATION IS USUALLY SPECIFIED AS GROUND COVER, OTHER METHODS, SUCH AS CHEMICAL STABILIZATION, MAY BE ALLOWED ON A CASE-BY-CASE BASIS.
 - FOR PORTIONS OF PROJECTS WITHIN THE SEDIMENT CONTROL COMMISSION-DEFINED "HIGH QUALITY WATER ZONE" (15A NCAC 04A. 0105), STABILIZATION WITH GROUND COVER SHALL BE ACHIEVED AS SOON AS PRACTICABLE BUT IN ANY EVENT ON ALL AREAS OF THE SITE WITHIN 7 CALENDAR DAYS FROM THE LAST LAND-DISTURBING ACT.

SITE WORK NOTES

- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND IMMEDIATELY ADJACENT TO THE SITE.
- CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION UNLESS OTHERWISE DESIGNATED TO REMAIN.
- GROUBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
- MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
- DISPOSAL: CLEARED, GROUBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
- FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL REPORT.
- THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
- THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE, PROPERLY PERMITTED FACILITY AS REQUIRED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
- EXISTING SURVEYING PERFORMED BY MARK A. STOCKS, PLS AND SUPPLIED BY THE OWNER.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
- ALL PVC UTILITY MAINS SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER AT FINAL GRADE.
- ALL SERVICE CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL AND STATE CODES. METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
- ALL PAVEMENT, BASE AND SUBGRADE SHALL CONFORM TO NCDOT STANDARDS INCLUDING WORKMANSHIP, MATERIALS AND EQUIPMENT. APPROPRIATE BARRICADES, SIGNS, LIGHTS OR OTHER TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH NCDOT TO MAINTAIN SAFETY AND TWO WAY TRAFFIC.
- ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES. 18. CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III WITH RUBBER GASKETED JOINTS AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.
- USE WHITE LANE MARKING PAINT FOR ALL PAVEMENT MARKINGS. PAINT SHALL BE A CHLORINATED RUBBER ALKYL, FS TT-P-115, TYPE III, FACTORY MIXED, QUICK DRYING, NON BLEEDING, REFLECTIVE MATERIAL MAY BE ADDED AT OWNER'S OPTION FOR NIGHT REFLECTING.
- DUCTILE IRON SHALL BE CLASS 50.
- CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS AIR ENTRAINED.
- FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
- SEE GEOTECHNICAL REPORT NO. _____, DATED _____, BY _____ FOR ADDITIONAL REQUIREMENTS.

CONSTRUCTION SEQUENCE

- NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
- NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SLOPE SLOPES DURING AND AFTER CONSTRUCTION.
- INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, ETC. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
- ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION ARE TO BE CLEANED WHEN 0.5 FEET OF SEDIMENT HAVE ACCUMULATED IN FRONT OF THE DEVICE OR WHEN THEY LEAK OR FAIL. SEDIMENT TRAPS ARE CLEANED OUT AS STATED OR WHEN HALF FULL.
- IF APPLICABLE, CONSTRUCT PROPOSED RETENTION POND TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. REMOVE ACCUMULATION OF SILT AS REQUIRED TO ALLOW PROPER FUNCTIONING. RESTORE POND TO DESIGN LEVELS AT THE COMPLETION OF CONSTRUCTION.
- IF APPLICABLE, INSTALL DROP INLETS WITH INLET PROTECTION TO ACT AS SILT TRAPS. CONSTRUCTION REMOVE ACCUMULATED SILT AS NEEDED TO PREVENT SILT FROM ENTERING STORM DRAIN PIPING.
- A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSED.
- MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
- MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
- REPAIR ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.

MAINTENANCE PLAN

- ALL EROSION AND SEDIMENT CONTROL PRACTICES 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.
- 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.
- SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET, ROCK DOUGHNUT INLET PROTECTION AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNATED 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. 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.
- 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 USED, THEY WILL BE REPAIRED PROMPTLY. SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.
- SEDIMENT WILL BE REMOVED FROM SEDIMENT TRAPS WHEN THE DESIGNATED 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 DISLOGGED. BARRIERS 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 15' BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
- SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE DESIGN STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR IF THE ROCK IS DISLOGGED. BARRIERS WILL BE REPAIRED OR REPLACED IF THEY TEAR, DECOMPOSE OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED FROM BARRIERS WHEN DEPOSITS REACH HALF THE HEIGHT OF THE 1ST BAFFLE. FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.
- ALL SEEDED AREAS WILL BE FERTILIZED, RESEED 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.
- FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

For each open utility cut of City streets, a \$325 permit shall be required from the City prior to occupancy and/or project acceptance.

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

Date: _____ Permit # _____
Signed: _____

REVISIONS

No.	Date	Description	By

DETAILS AND NOTES

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BLUEWATER MOTORSPORTS
OWNER: GPT INVESTMENTS, LLC
ADDRESS: 6753-6757 MARKET ST., WILMINGTON, NC

C4
SHEET 4 OF 5
17041

DATE 08-02-18
DESIGN PGT
DRAWN EJW

