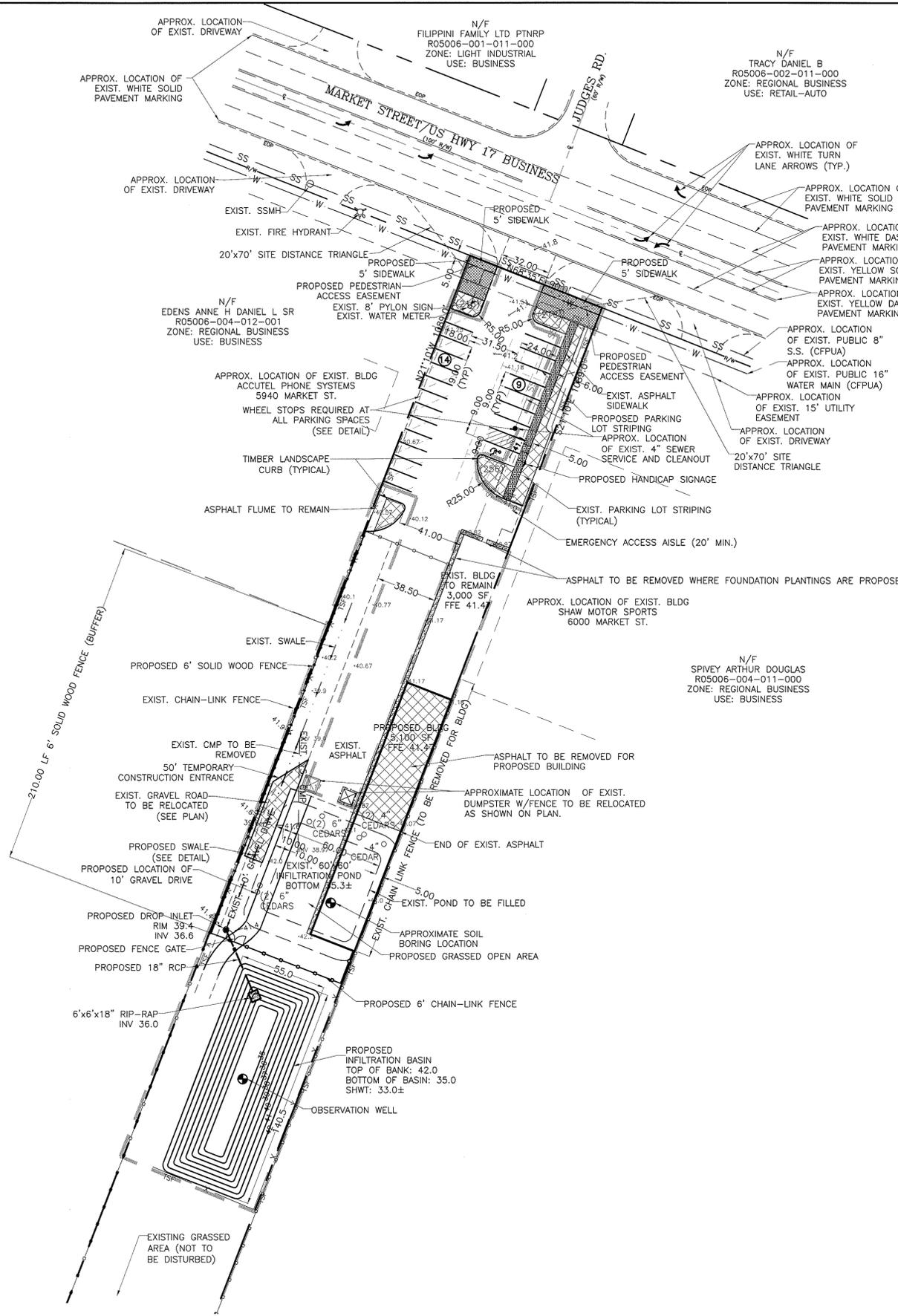


- NOTES:**
- 1) CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - 2) TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
 - 3) ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - 4) ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - 5) ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - 6) ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 - 7) 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.
 - 8) INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
 - 9) CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 - 10) PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES.
 - 11) NO CONSTRUCTION WORKERS, TOOLS MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 - 12) ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10'.
 - 13) SITE LIGHTING WILL NOT SHINE ONTO ADJACENT RESIDENTIALLY ZONED OR USED PROPERTIES.
 - 14) NO WETLANDS EXIST ON SITE.
 - 15) ALL ROOF DRAINS WILL BE DIRECTED TO THE STORMWATER COLLECTION SYSTEM.
 - 16) NO TREES LOCATED WITHIN THE LIMITS OF DISTURBANCE.
 - 17) DUMPSTER SCREENING TO BE 6' IN HEIGHT ALONG FRONT SIDE OF LOT AND 8' IN HEIGHT ALONG THE SIDE OR REAR PROPERTY LINE.

N/F
CIRCLE PROPERTIES LLC
R05006-004-013-000
ZONE: REGIONAL BUSINESS
USE: MOBILE HOME PARK



SITE DATA:

PROPERTY OWNER: LEWIS PROPERTIES OF WILMINGTON, LLC
 PROJECT ADDRESS: 5942 MARKET ST.
 PIN NUMBER: R05006-004-012-000
 LATITUDE & LONGITUDE: N34°15'05" W77°51'15"
 AREA NOT IN A FEMA 100-YEAR FLOOD ZONE.
 ZONING DISTRICT: RB-REGIONAL BUSINESS

DISTURBED AREA: .95 AC
 CAMA LAND USE: UBRAN

REQUIRED BUILDING SETBACKS: FRONT: 25', REAR: 15', SIDE: 0'
 PROPOSED BUILDING SETBACKS: FRONT: 165', REAR: 653', SIDE: 0'/60'

TRACT AREA: 98,009 SF (2.24 AC)
 BUILDING USE: SHOOTING RANGE

EXISTING BUILDING AREA: 3,000 SF
 PROPOSED BUILDING AREA (GROSS): 5,100 SF
 BUILDING LOT COVERAGE (8,100/98,009): 8.3%
 NUMBER OF BUILDINGS: 1
 NUMBER OF UNITS: 1
 BUILDING HEIGHT: 18'
 NUMBER OF STORIES: 1

EXISTING IMPERVIOUS AREAS:
 EXISTING BUILDING: 3,000 SF
 EXISTING GRAVEL ROAD: 4,555 SF
 EXISTING ASPHALT: 23,965 SF
 EXISTING ASPHALT TO BE REMOVED: 4,970 SF
 EXISTING ASPHALT TO REMAIN: 18,995 SF
 EXISTING IMPERVIOUS AREAS: 26,550 SF (27.1%)

PROPOSED IMPERVIOUS AREAS: (ON-SITE)
 PROPOSED BUILDING FOOTPRINT: 5,100 SF
 PROPOSED ASPHALT + CURB: 0 SF
 PROPOSED IMPERVIOUS AREA: 5,100 SF (5.2%)
 PROPOSED + EXISTING IMPERVIOUS AREA: 31,650 SF (32.3%)

PARKING REQUIRED:
 (PRIVATE RECREATION)
 MINIMUM: 1/400 (8,100/400) 21 SPACES
 MAXIMUM: 1/400 (8,100/200) 41 SPACES

PARKING PROVIDED: 21 SPACES

HANDICAP SPOTS REQUIRED: PROPOSED
 (1-25 SPOTS = 1 HANDICAP SPOT)
 24 SPOTS/25 = 96 1 HANDICAP SPOT

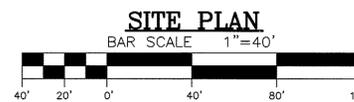
PUBLIC WATER AND SEWER BY CFPWA
 EXISTING WATER FLOW: 330 GPD
 EXISTING SEWER FLOW: 300 GPD
 PROPOSED WATER FLOW: 891 GPD
 (100 GPD/1,000 SF x 8,100 x 110%)
 PROPOSED SEWER FLOW: 810 GPD
 (100 GPD/1000 SF x 8,100 SF)

*NOTE: NO INCREASE IN EXISTING WATER OR SEWER SERVICE PIPE SIZE TO BUILDING.

TOTAL ASPHALT+CURB: 17,915 SF
 20% INTERIOR SHADING REQUIRED: 3,583 SF
 INTERIOR SHADING PROVIDED: 4,242 SF

LEGEND

- 31.75 EXIST. SPOT ELEVATION
- 31.2 PROPOSED SPOT ELEVATION
- PROPERTY LINE (BOUNDARY)
- - - RIGHT OF WAY
- LIMITS OF DISTURBANCE
- TSF x TSF TEMPORARY SILT FENCE
- - - EXIST. CHAIN LINK FENCE
- - - PROPOSED 6' SOLID WOOD FENCE
- PROPOSED RUN-OFF ARROWS
- EXIST. CONCRETE AREA
- PROPOSED CONCRETE AREA
- DEMO
- STREETYARD
- FOUNDATION PLANTINGS
- EXIST. ASPHALT SIDEWALK



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 DRAINAGE PLAN

Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

REVISIONS

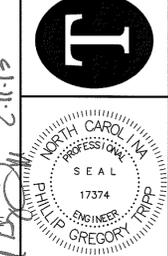
No./Date	Description	By
3-8-13	OWNER REVISIONS	ALG

LOCATION MAP
 NOT TO SCALE

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2012 TRIPP ENGINEERING, P.C.

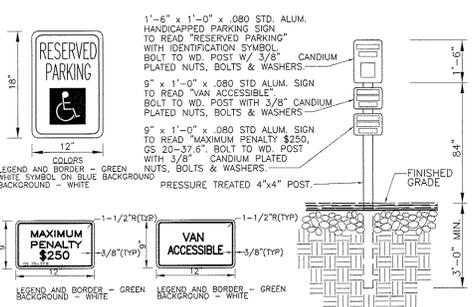
BULLEYE SHOOTING SPORTS
 WILMINGTON, NORTH CAROLINA

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
 © 2012 TRIPP ENGINEERING, P.C.

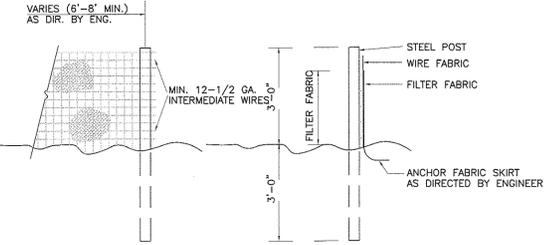


DATE: 02-11-13
 DESIGN: PGT
 DRAWN: EJW

C1
 SHEET 1 OF 3
 12029

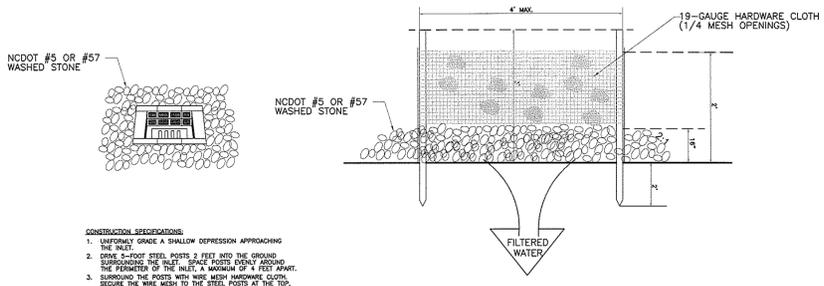


TYPICAL HANDICAPPED SIGN DETAIL
NTS



- NOTES:**
- FENCE FABRIC SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" SPACING.
 - FABRIC SHALL BE FOR EROSION CONTROL AND MIN. OF 36" IN WIDTH. FABRIC SHALL BE FASTENED ADEQUATELY TO THE WIRE FABRIC AS DIRECTED BY THE ENGINEER.
 - STEEL POST SHALL BE 5'-0" IN HEIGHT AND BE OF THE SELF-FASTENER STEEL ANGLE TYPE.

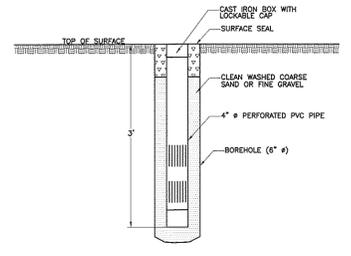
TEMPORARY SILT FENCE
NTS



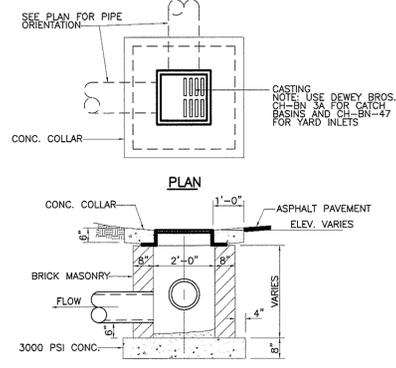
- CONSTRUCTION SPECIFICATIONS:**
- UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
 - DRIVE 4'-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET. SPACE POSTS DEEPLY AROUND THE PERIMETER OF THE INLET, A MINIMUM OF 4 FEET APART.
 - SURROUND THE POSTS WITH HIGH MESH HARDWARE CLOTH. SECURE THE WIRE WITH THE 3/8" CANDIUM PLATED NUTS, BOLTS & WASHERS. SECURE THE WIRE WITH THE 3/8" CANDIUM PLATED NUTS, BOLTS & WASHERS. SECURE THE WIRE WITH THE 3/8" CANDIUM PLATED NUTS, BOLTS & WASHERS.
 - PLACE CLEAN GRAVEL (NCOT #5 OR #57 STONE) ON A 2'1" SLOPE WITH A SLOPE OF 18 INCHES PER FOOT. THE WIRE AND SHOULD TO AN EVEN GRADE.
 - ONCE THE CONSTRUCTION DRAINAGE AREA HAS BEEN STABILIZED, REMOVE ACCUMULATED SEDIMENT AND ESTABLISH FINAL GROUND ELEVATIONS. CONTACT THE AREA PROPERTY AND STABILIZE IT WITH GRASS/SEEDS.

MAINTENANCE:
 REMOVE INLETS AT LEAST WEEKLY AND AFTER EACH DOWNPOUR (4 INCH OR GREATER) RAINFALL EVENT. CLEAN THE MESH WITH AN OBERG OR OTHER OBJECTS TO PROVIDE ADEQUATE FLOW FOR SURFACE WATER. TAKE CARE NOT TO DAMAGE OR DISRUPT THE WIRE MESH DURING SEDIMENT REMOVAL. REPLACE STONE AS NEEDED.

HARDWARE CLOTH AND GRAVEL INLET PROTECTION
NTS



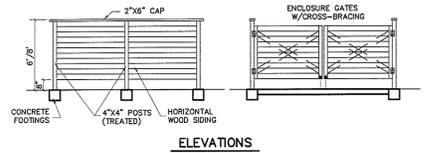
OBSERVATION WELL DETAIL
NTS



DROP INLET DETAIL
NTS

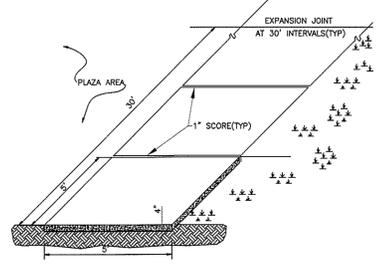
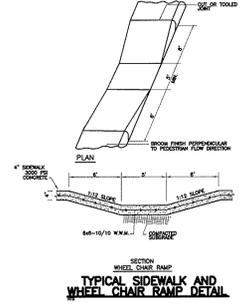
SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES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

NPDES GROUND STABILIZATION CRITERIA
NTS

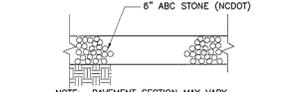


NOTE: DUMPSTER HEIGHT TO BE 6' IN HEIGHT ALONG THE FRONT OR CORNER SIDE OF LOT AND 8' IN HEIGHT ALONG SIDE OR REAR PROPERTY LINE.

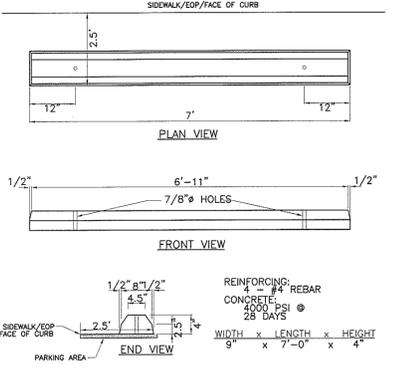
DUMPSTER PAD & ENCLOSURE DETAIL
NTS



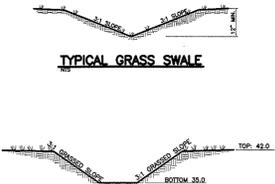
STANDARD SIDEWALK DETAIL
SD 8-15
NOT TO SCALE



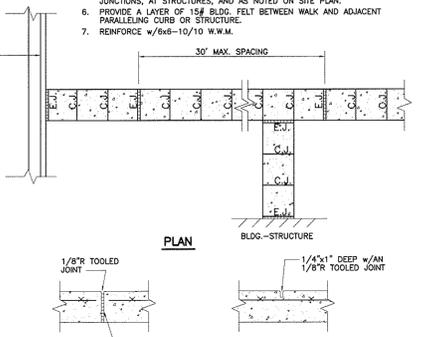
GRAVEL ROAD SECTION
NTS



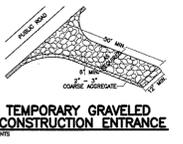
WHEEL STOP DETAIL
NTS



TYPICAL GRASS SWALE
NTS



SIDEWALK JOINT DETAILS
NTS



LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb./acre)
Rye (green)	120
Annual lespedeza (Kobe in Piedmont and Coastal Plain, Korean in Mountains)	50

SEEDING DATES:
 Mountains - Above 2500 Ft. Feb. 15-May 15
 Piedmont - Jan. 1-May 15
 Coastal Plain - Dec. 15-Mar. 15

SOIL AMENDMENTS
 Follow recommendations of soil tests or apply 2,000 lb./acre ground agricultural limestone and 750 lb./acre 10-10-10 fertilizer.

MULCH
 APPLY 4,000 LB/ACRE STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 Referitize if growth is not fully adequate. Reseed, referitize and mulch immediately following erosion or other damage.

TEMPORARY SUMMER GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb./acre)
GERMAN MILLET	40

SEEDING NOTES
 IN THE MOUNTAINS AND MOUNTAINS, A SMALL-STEMMED SUNGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB./ACRE.

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 REFERITIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERITIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

TEMPORARY FALL GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb./acre)
Rye (green)	120

SEEDING NOTES
 MOUNTAINS - MAY 15-AUG. 15
 PIEDMONT - MAY 1-AUG. 15
 COASTAL PLAIN - APR. 15-MAY 15

SOIL AMENDMENTS
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/ACRE STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 FERTILIZE ACCORDING TO SOIL TESTS OR APPLY 40 LB/ACRE NITROGEN IN JANUARY OR FEBRUARY. DO NOT FERTILIZE IN WINTER. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH.

FALL-WINTER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb./acre)
TALL FESCUE (BLENDED TWO OR THREE IMPROVED VARIETIES)	200
Rye (green)	25

SEEDING DATES
 AUGUST - DECEMBER

SOIL AMENDMENTS
 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 LB/acre GROUND AGRICULTURAL LIMESTONE (USE LOWER RATE ON SANDY SOILS) AND 1,000 LB/acre 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/acre STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH ANCHOR BY TACKING WITH ASPHALT, NETTING, OR BY GRADING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 FERTILIZE ACCORDING TO SOIL TESTS, WITH 50 LB/ACRE NITROGEN IN JANUARY OR FEBRUARY. DO NOT FERTILIZE IN WINTER. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH. FERTILIZER SHOULD BE APPLIED TO 4-6 INCH DEPTH.

SPRING-SUMMER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES	RATE (lb./acre)
PENSACOLA BERMUDA GRASS	50
SENECA LEISDEZA	50
COMMON BERMUDA GRASS	50
GERMAN MILLET	50
TALL FESCUE	50

SEEDING NOTES
 1. WHERE A NEAT APPEARANCE IS DESIRED, OAT SEEDING IS RECOMMENDED. BERMUDA GRASS MAY BE REPLACED WITH 5 LB/acre CENTRIFUGAL GRASS.

SEEDING DATES
 APRIL 1 - JULY 15

SOIL AMENDMENTS
 APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000 LB/acre GROUND AGRICULTURAL LIMESTONE AND 500 LB/acre 10-10-10 FERTILIZER.

MULCH
 APPLY 4,000 LB/acre STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH ANCHOR BY TACKING WITH ASPHALT, NETTING, OR BY GRADING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE
 FERTILIZE THE FOLLOWING APRIL WITH 50 LB/ACRE NITROGEN. REPEAT AS GROWTH REQUIRES. MAY BE MOWED ONLY ONCE A WEEK WHERE A NEAT APPEARANCE IS DESIRED. OAT SEEDING AND HOW AS OTHER AS NEEDED.

Approved Construction Plan

Name _____ Date _____

Planning _____

Traffic _____

Fire _____

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

Date: _____ Permit # _____

Signed: _____

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

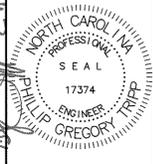
REVISIONS

No./Date	Description	By
3-6-13	CITY ENGINEERING COMMENTS	ALG

TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-6100
 Fax 910-763-6631
 © 2012 TRIPP ENGINEERING, P.C.

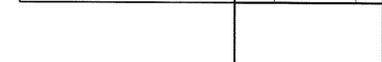
DETAILS AND NOTES

BULLZEYE SHOOTING SPORTS
 WILMINGTON, NORTH CAROLINA



- NOTES:
- CONTRACTOR SHALL FIELD VERIFY SIZE, MATERIAL, INVERTS AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLATION OF PROPOSED CONNECTIONS.
 - TACTILE WARNING MATS ARE TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
 - ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
 - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 - 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.
 - INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
 - CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.
 - 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.
 - ALL PROPOSED VEGETATION WITHIN THE SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30"-10'.
 - NO WETLANDS EXIST ON SITE.
 - ALL ROOF DRAINS WILL BE DIRECTED TO THE STORMWATER COLLECTION SYSTEM.
 - DUMPSTER SCREENING TO BE 6' IN HEIGHT ALONG FRONT SIDE OF LOT AND 8' IN HEIGHT ALONG THE SIDE OR REAR PROPERTY LINE.

REVISIONS			
No./Date	Description	Owner Rep.	By
3-6-13	OWNER REVISIONS		ALG



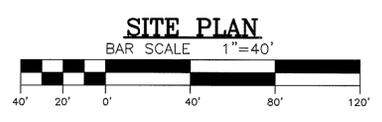
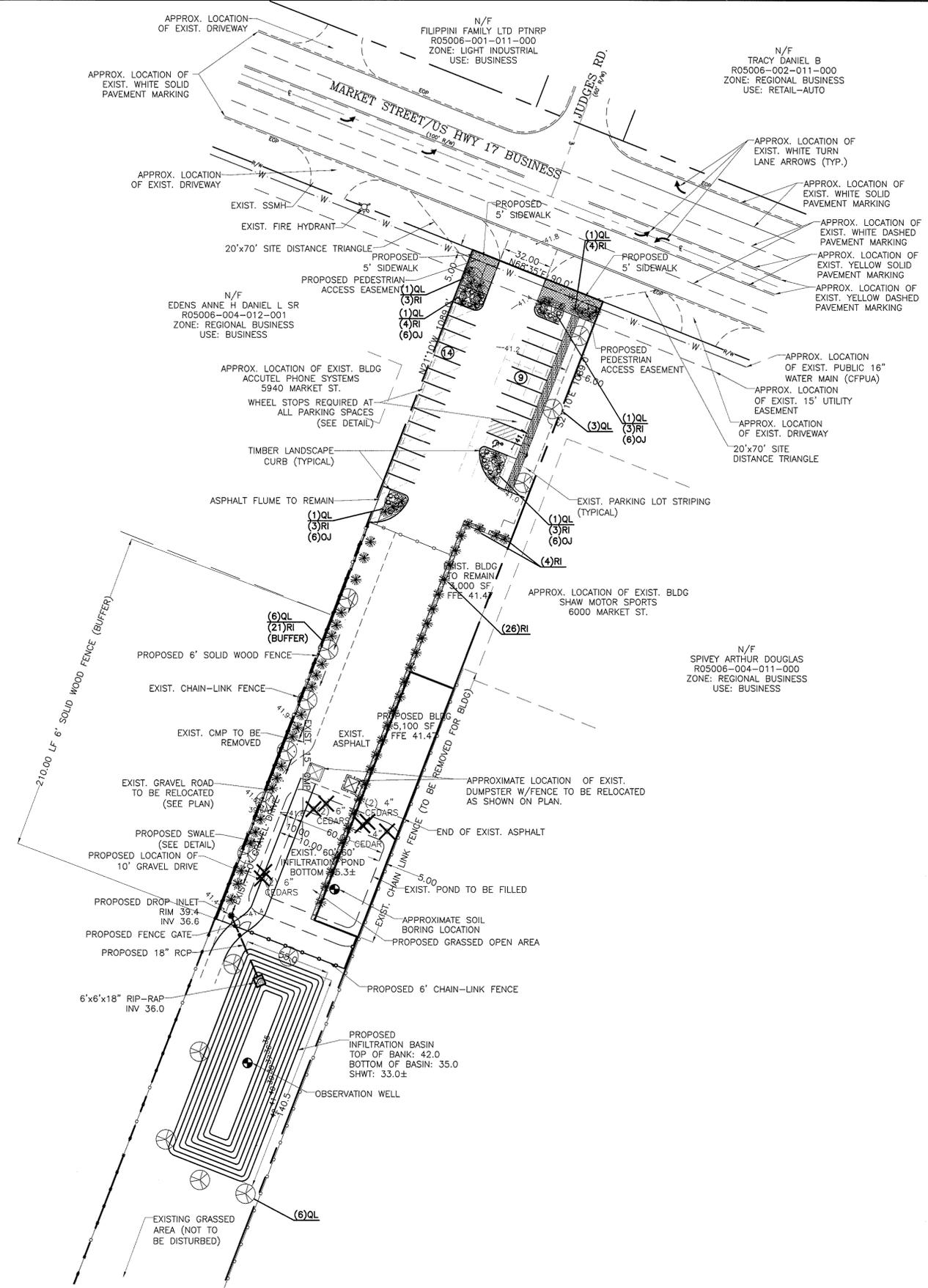
SITE DATA:

PROPERTY OWNER:	LEWIS PROPERTIES OF WILMINGTON, LLC
PROJECT ADDRESS:	5942 MARKET ST.
PIN NUMBER:	R05006-004-012-000
LATITUDE & LONGITUDE:	N34°15'05" W77°51'15"
AREA NOT IN A FEMA 100-YEAR FLOOD ZONE:	
ZONING DISTRICT:	RB-REGIONAL BUSINESS
DISTURBED AREA:	.95 AC
CAMA LAND USE:	UBRAN
REQUIRED BUILDING SETBACKS:	FRONT: 25' REAR: 15' SIDE: 0'
PROPOSED BUILDING SETBACKS:	FRONT: 165' REAR: 653' SIDE: 0'/60'
TRACT AREA:	98,009 SF (2.24 AC)
BUILDING USE:	SHOOTING RANGE
EXISTING BUILDING AREA (GROSS):	3,000 SF
EXISTING LOT COVERAGE (6,100/98,009):	5,100 SF
NUMBER OF BUILDINGS:	8.3%
NUMBER OF UNITS:	1
BUILDING HEIGHT:	18'
NUMBER OF STORIES:	1
EXISTING IMPERVIOUS AREAS:	
EXISTING BUILDING:	3,000 SF
EXISTING GRAVEL ROAD:	4,555 SF
EXISTING ASPHALT:	23,965 SF
EXISTING ASPHALT TO BE REMOVED:	4,970 SF
EXISTING ASPHALT TO REMAIN:	18,995 SF
EXISTING IMPERVIOUS AREAS:	26,550 SF (27.1%)
PROPOSED IMPERVIOUS AREAS: (ON-SITE)	
PROPOSED BUILDING FOOTPRINT:	5,100 SF
PROPOSED ASPHALT + CURB:	0 SF
PROPOSED IMPERVIOUS AREA:	5,100 SF (5.2%)
PROPOSED + EXISTING IMPERVIOUS AREA:	31,650 SF (32.3%)
PARKING REQUIRED:	
(PRIVATE RECREATION)	
MINIMUM: 1/400 (8,100/400)	21 SPACES
MAXIMUM: 1/400 (8,100/200)	41 SPACES
PARKING PROVIDED:	21 SPACES
HANDICAP SPOTS REQUIRED	PROPOSED
(1-25 SPOTS= 1 HANDICAP SPOT)	
24 SPOTS/25=96	1 HANDICAP SPOT
PUBLIC WATER AND SEWER BY CFPUA	
EXISTING WATER FLOW:	330 GPD
EXISTING SEWER FLOW:	300 GPD
PROPOSED WATER FLOW:	891 GPD
(100 GPD/1,000 SF x 8,100 x 110%)	
PROPOSED SEWER FLOW:	810 GPD
(100 GPD/1000 SF x 8,100 SF)	
*NOTE: NO INCREASE IN EXISTING WATER OR SEWER SERVICE PIPE SIZE TO BUILDING.	
TOTAL ASPHALT+CURB:	17,915 SF
20% INTERIOR SHADING REQUIRED:	3,583 SF
INTERIOR SHADING PROVIDED:	4,242 SF

TOTAL ASPHALT+CURB	17,320 SF
20% INTERIOR SHADING REQUIRED	3,464 SF
INTERIOR SHADING PROVIDED	4,242 SF
(6 INTERIOR ISLAND TREES @707 SF EA.)	

PROPOSED PLANT LIST						
KEY NO.	TYPE	COMMON NAME	SCIENTIFIC NAME	MIN. SIZE	PLANTING REMARKS	
QL	21	LARGE SHADE TREE	LAUREL OAK	QUERCUS LAURIFOLIA	2" CAL.	AS SHOWN
RI	50	SHRUB	INDIAN HAWTHORNE	RAPHIOLEPIS INDICA	1 GAL.	AS SHOWN
OJ	24	GROUND COVER	MONDO GRASS	OPHIPOGON JAPONICUS	1 GAL.	AS SHOWN
RI	21	SHRUB	INDIAN HAWTHORNE	RAPHIOLEPIS INDICA	3' HEIGHT	LOCATED IN BUFFERYARD

	REQUIRED	PROPOSED
STREETYARD (MARKET): 90-35.43*25/2= 682 SF	2 TREE(S) 7 SHRUB(S)	2 TREE(S) 7 SHRUB(S)
DISTURBED AREA: .95 Ac. (15 TREES PER DISTURBED ACRE)	15 TREES	15 TREES
FOUNDATION PLANTINGS: (NORTH) 30x18x12%	65 SF	74 SF (SEE PLAN)
FOUNDATION PLANTINGS: (WEST) 270x18x12%	583 SF	675 SF (SEE PLAN)



LEGEND

	EXIST. SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPERTY LINE (BOUNDARY)
	RIGHT OF WAY
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	PROPOSED RUN-OFF ARROWS
	EXIST. CONCRETE AREA
	PROPOSED CONCRETE AREA
	DEMO
	EXIST. TREES
	TREES TO BE REMOVED

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 DRAINAGE PLAN

Date: _____ Permit # _____
Signed: _____

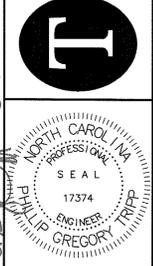
Approved Construction Plan

Name _____ Date _____

Planning _____
Traffic _____
Fire _____

LANDSCAPE PLAN
BULLZEYE SHOOTING SPORTS
 WILMINGTON, NORTH CAROLINA

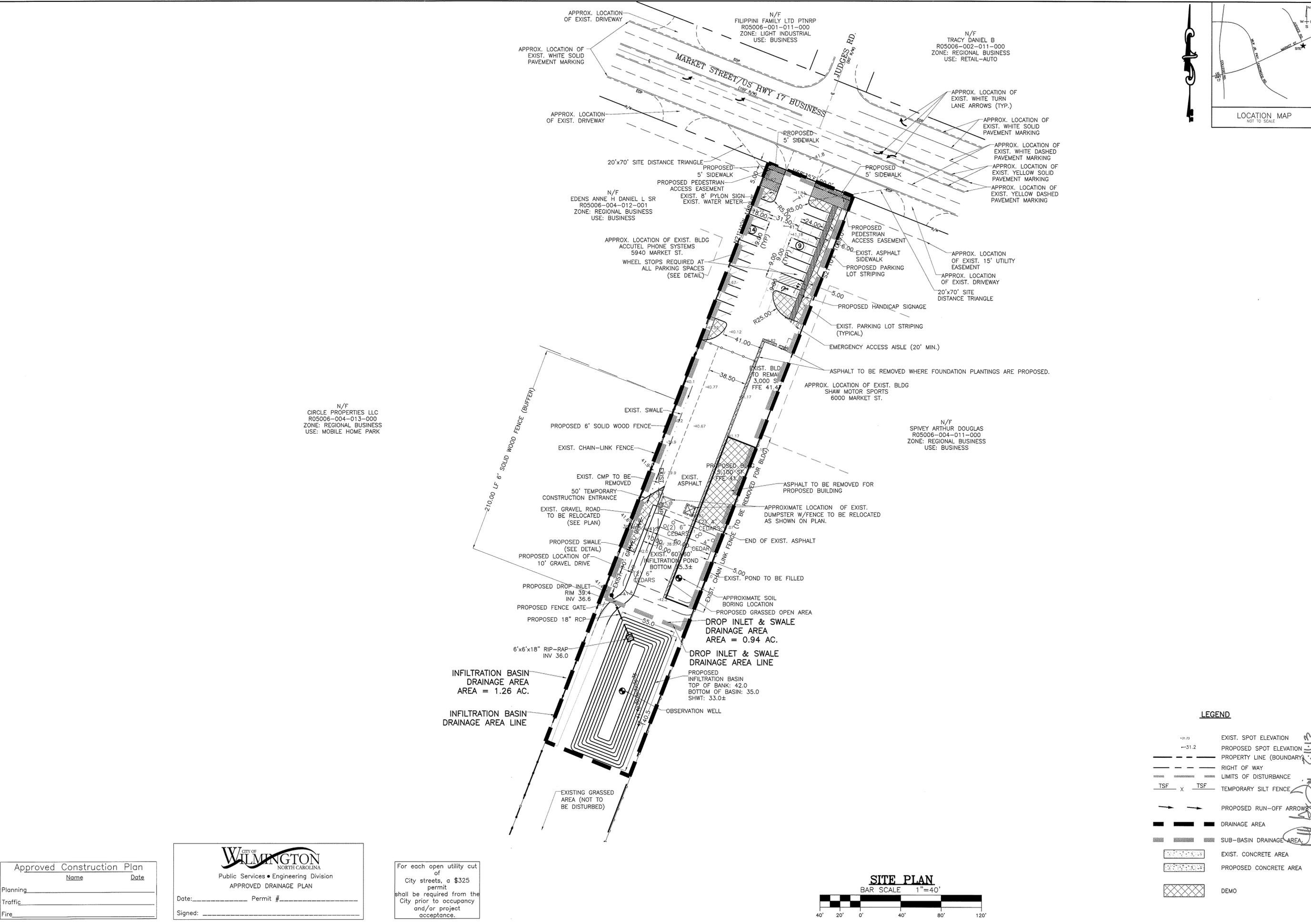
TRIPP ENGINEERING, P.C.
 419 Chestnut Street
 Wilmington, North Carolina 28401
 Phone 910-763-5100
 Fax 910-763-5631
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DATE 02-11-13
DESIGN PGT
DRAWN EJW

L1

SHEET 2 OF 3
12029



REVISIONS			
No./Date	Description	By	Appr.
3-6-13	OWNER REVIEW CITY ENGINEERING COMMENTS	ALG	

LOCATION MAP NOT TO SCALE

DRAINAGE AREA MAP
BULLZEYE SHOOTING SPORTS
 WILMINGTON, NORTH CAROLINA

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 419 Chestnut Street
 Wilmington, North Carolina 28401
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DATE	02-11-13
DESIGN	PGT
DRAWN	EJW
E1	
SHEET 1 OF 1	
12029	

N/F
 CIRCLE PROPERTIES LLC
 R05006-004-013-000
 ZONE: REGIONAL BUSINESS
 USE: MOBILE HOME PARK

N/F
 FILIPPINI FAMILY LTD PTNRP
 R05006-001-011-000
 ZONE: LIGHT INDUSTRIAL
 USE: BUSINESS

N/F
 TRACY DANIEL B
 R05006-002-011-000
 ZONE: REGIONAL BUSINESS
 USE: RETAIL-AUTO

N/F
 EDENS ANNE H DANIEL L SR
 R05006-004-012-001
 ZONE: REGIONAL BUSINESS
 USE: BUSINESS

N/F
 SPIVEY ARTHUR DOUGLAS
 R05006-004-011-000
 ZONE: REGIONAL BUSINESS
 USE: BUSINESS

LEGEND

	EXIST. SPOT ELEVATION
	PROPOSED SPOT ELEVATION
	PROPERTY LINE (BOUNDARY)
	RIGHT OF WAY
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	PROPOSED RUN-OFF ARROW
	DRAINAGE AREA
	SUB-BASIN DRAINAGE AREA
	EXIST. CONCRETE AREA
	PROPOSED CONCRETE AREA
	DEMO

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

Date: _____ Permit # _____
 Signed: _____

Approved Construction Plan

Name	Date
Planning	
Traffic	
Fire	

