THE EXTRA GARAGE II

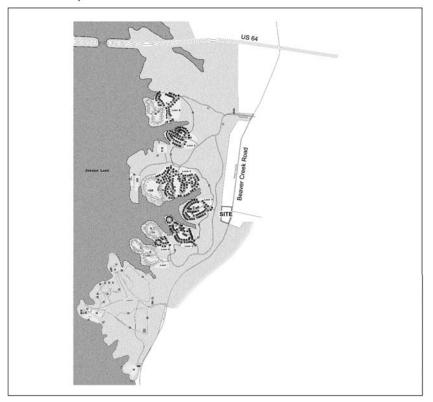
SELF-STORAGE CENTER

CHATHAM COUNTY, NC

SITE PLAN SUBMITTAL

Date: July 6, 2012

location map



developer/owner:

WALTER LEWIS 109 TROPEZ LANE CARY, NORTH CAROLINA 27511 919 460-4417

consultants:

Land Planner/Landscape Architect: JERRY TURNER & ASSOCIATES, INC. RALEIGH, NORTH CAROLINA

Engineering:

EARTHCENTRIC ENGINEERING, INC. MEBANE, NORTH CAROLINA

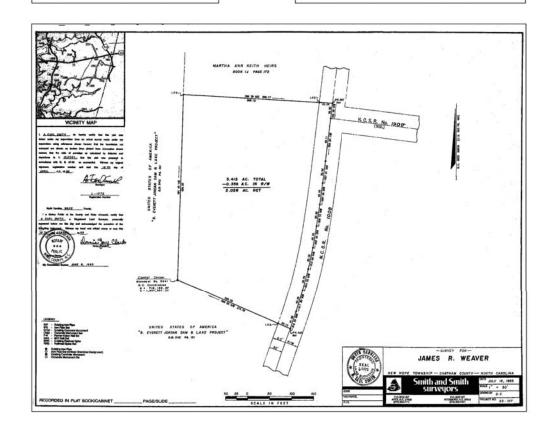
Architect:

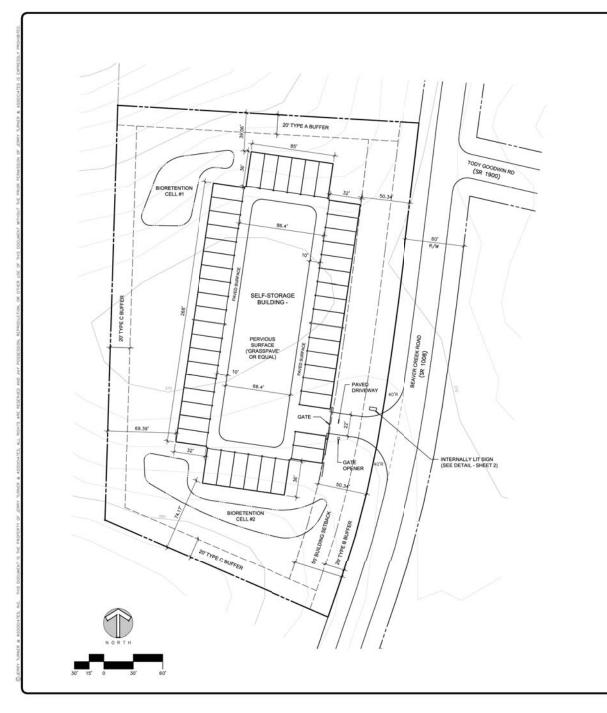
THE REDFOOT STUDIO ARCHITECTURE, PC CARRBORO, NORTH CAROLINA

Surveyor.

SMITH AND SMITH SURVEYORS APEX, NORTH CAROLINA

Sheet index SITE LAYCUT PLAN 1 LANDSCAPE & LIGHTING PLAN 2 GRADING & STORM WATER PLAN 3.0 EROSION CONTROL PLAN 3.1 EROSION CONTROL DETAILS 3.2 EROSION CONTROL & DROP INLET DETAILS 3.3 STORMWATER & GRASSPAVE 2 DETAILS 3.4 BUILDING ELEVATIONS 4





SITE DATA

USE: BUILDING WILL BE USED FOR STORAGE OF RECREATIONAL VEHICLES AND BOATS

TOTAL STORAGE UNITS PROPOSED 48 UNITS TOTAL SITE AREA 3.415 AC

AREA IN BEAVER CREEK RD. R/W 0.359 AC NET SITE AREA 3.056 AC

IMPERVIOUS SURFACE PERMITTED

IMPERVIOUS SURFACE PROPOSED BUILDING

22,903 SF INTERIOR PAVING DRIVEWAY TOTAL

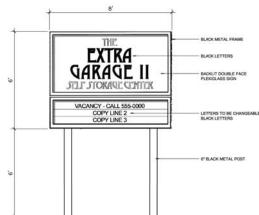
7,697 SF 1,266 SF

31,866 SF (23.9%)

31,948 SF (24%)

148,757 SF 15,638 SF

133,119 SF



SIGN DETAIL SCALE: 1/2" = 1'-0"

JERRY TURNER & ASSOCIATES, INC

Landscape Architecture Land Planning Environmental Design

905 Jones Franklin Road Raleigh, North Carolina 27606 (919) 851-7150 fax. (919) 851-7547

277 S.E. 5th Avenue Delray Beach, Florida 33483 (561) 276-0453 fax (561) 272-7583

THE **EXTRA**

GARAGE II SELF-STORAGE CENTER

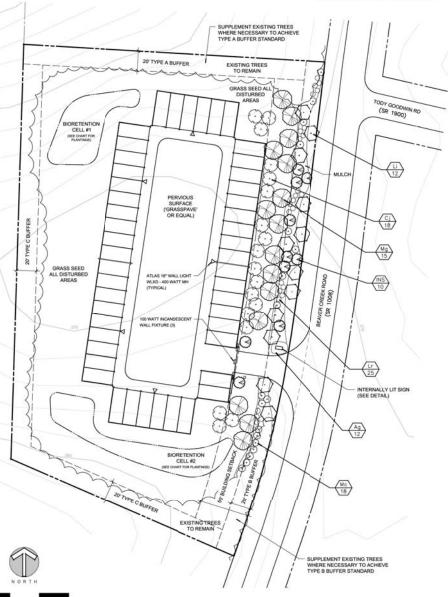
CHATHAM COUNTY, NC

OWNER/DEVELOPER: WALTER LEWIS

7/6/12 1"=30"

SITE LAYOUT **PLAN**

NOTE: ALL LIGHTING SHALL CONFORM TO THE CHATHAM COUNTY LIGHTING ORDINANCE.



| KEY | PLANT LIST | | QUANTITY | CALIPER | неівнт | SPREAD | ROOT | |
|-----|-------------------------------------|------------------------|----------|---------|--------|----------|------|------------|
| | BOTANICAL NAME | COMMON NAME | 8 | ð | 포 | SP | S. | REMARKS |
| | Trees | | | | | | | |
| i. | Cryptoneria japonica | Japanese Cryptomeria | 18 | | 6-8" | | BB | |
| NS | Bex 'Nillie R. Stevens' | Nellie Stevens Holly | 10 | | 6-8" | | 88 | |
| Li. | Lagers/roemia indica "Natchez" | Natchez Crape Myrtle | 12 | | 6-8" | | 88 | multi-stem |
| Mg | Magnola grandiflara 'Brown Beauty' | Brown Beauty Magnalia | 15 | | 6-8" | | 88 | |
| | Shruks | | | _ | | \vdash | | |
| Ag | Abelia grandiflora "Kaleidoscope" | Kaleldoscope Abelia | 12 | | | | cont | 3 gal |
| Lr | Ligustum recurvifolium | Recurve Ligustrum | 25 | | | | cont | 5 gal |
| Мс | Morella cerifera | Wax Myrtle | 18 | | | | cont | 7 gal |
| | Buffer Plants (if necessary to supp | | | | | | | |
| | Juniperus virginiana | Red Cedar | | | | | | |
| | Morella cerifera | Wax Myrtle | | | | | 7 | |
| | Pinus toedo | Lobiolly Pine | | | | | | |
| | Thuja orientalis | Green Giant Arborvitae | | | | | | |

| 0.09 ac x 400 stems/ac = 36 stems | | DUANTITY | CALIPER | ROOT | |
|-----------------------------------|---------------|----------|---------|------|---------|
| BOTANICAL NAME | COMMON NAME | 8 | 3 | 2 | REMARKS |
| TREES | | | | | |
| Pinus toeda | Loblolly Pine | 5 | 2.5* | 88 | |
| SHRUBS | | | | | |
| Amelanchier arborea | Serviceberry | 8 | | cont | 3 gal |
| Juniperus Virginiana | Red Cedar | 8 | | cont | 3 gal |
| Morella cerifera | Wax Myrtle | 7 | | cont | 3 gal |
| Viburnum dentatum | Viburnum | 8 | | cont | 3 gal |

| .11 ac x 400 stems/ac = 44 stems | | QUANTITY | CALIPER | <u> </u> | |
|----------------------------------|---------------|----------|---------|----------|---------|
| BOTANICAL NAME | COMMON NAME | o V | 8 | ROOT | REMARKS |
| TREES | Farmer and | | | | |
| Pinus toeda | Loblolly Pine | 8 | 2.5" | 88 | |
| SHRUBS | | | | | |
| Amelanchier arborea | Serviceberry | - 6 | | cont | 3 gal |
| Juniperus virginiana | Red Cedar | 9 | | cont | 3 gal |
| Morella cerifera | Wax Myrtle | 7 | | cont | 3 gal |
| Viburnum dentatum | Vibumum | 14 | | cont | 3 gal |



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THE EXTRA GARAGE II SELF-STORAGE CENTER

CHATHAM COUNTY, NC

OWNER/DEVELOPER: WALTER LEWIS

REVISIONS -

RT JT

DATE

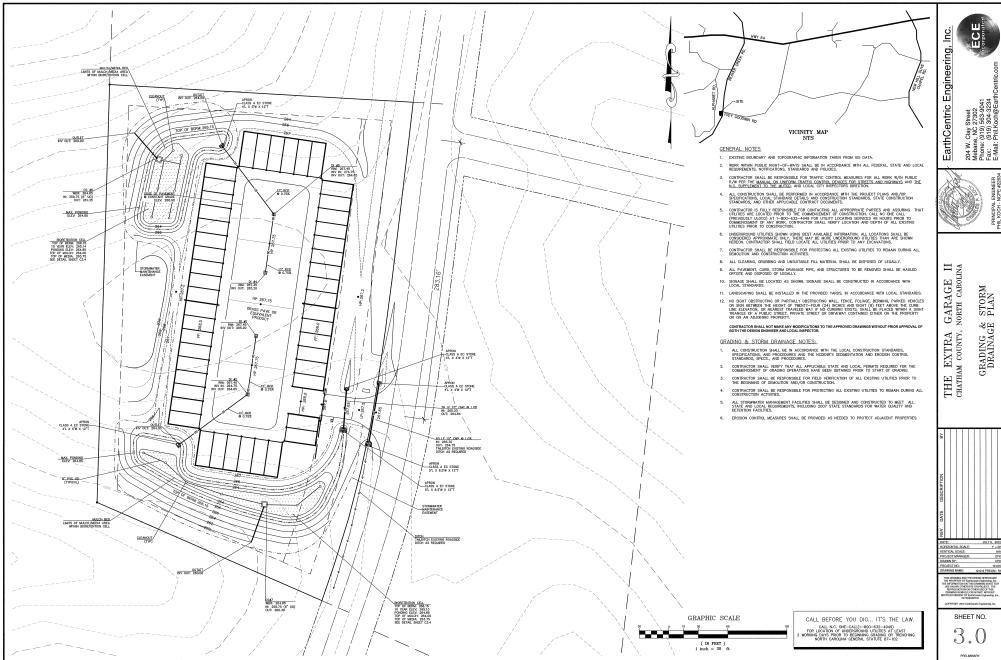
1"=30" 7/6/12

LANDSCAPE / LIGHTING PLAN

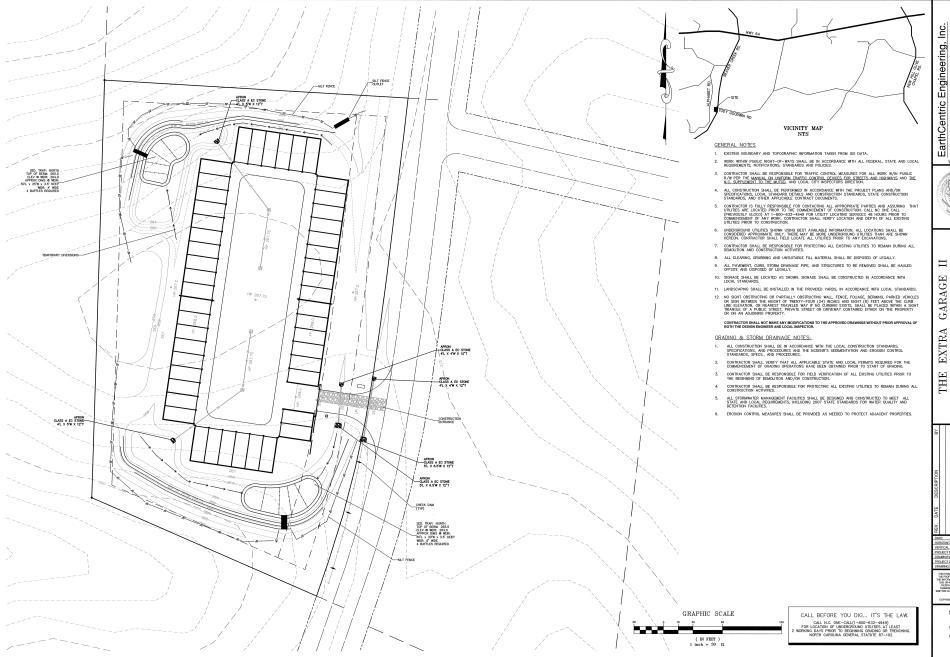
FILE NO. — JOS NO. —

SHEET NO.

2



PRINCIPAL ENGINEER



204 W. Clay Street
Mebane, NC 27302
Phone: (919) 563-9041
Fax: (919) 304-3234
E-Mail: Phil.Koch@EarthC

THE EXTRA GARAGE II CHATHAM COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN

SHEET NO.

3.1

SEEDING NOTES:

1. AFTER AUGUST 15, USE UNSCARIFED SERICEA SEED.

2. WHERE PERIODIC MOWING IS PLANNED OR A NEAT APPEARANCE IS DESIRED,
OMIT SERICEA AND INCREASE KOBE LESPEDEZA TO 40 LB/ACRE. TO EXTEND SPRING SEEDING DATES INTO JUNE, ADD 15 LB/ACRE HULLED BERNUDA GRASS. HOWEVER, AFTER MID—APRIL IT IS PREFERABLE TO SEED TEMPORARY COMER.

NUMBER PLANTS
BETWEEN MAY 1 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OF 15 LB/ACRE SUDAN GRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 40 LB/ACRE RYE (CRAIN).

SEEDING DATES:

BEST POSSIBLE AUG. 25 - SEPT. 15 AUG. 20 - OCT. 25 FEB. 15 - MAR. 21 FEB. 1 - APR. 15 FALL: LATE WINTER: FALL IS BEST FOR TALL FESCUE AND LATE WINTER FOR LESPEDEZAS.

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 4,000
LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10
FERTILIZER, EXCEPT, APPLY NO FERTILIZER TO AREAS WITHIN THE NEUSE RIVER

MULCE.
APPLY AGOO LB/AGRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SULTRAGE MULCH. ANCHOR STRAW BY TACKNEW WITH ASPHAIL, NETTING, OR ROVANG OR BY DEWINFOWN OWNER OF WEIGHT OWNER OWNER

TEMPORARY SEEDING SCHEDULES

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEDING DATES
MOUNTAINS — ABOVE 2500 FT: FEB. 15 — MAY 15
BELOW 2500 FT: FEB. 1 — MAY 1
PIEDMONT — JAN. 1 — MAY 1
COASTAL PLAIN — DEC. 1 — APR. 15

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.

RATE (LB/ACRE)

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDAN GRASS MAY BE SUBSTITUTED AT A RATE OF 5D LB/ACRE.

SEEDING DATES MOUNTAINS - MAY 15 - AUG.15 PIEDMONT - MAY 1 - AUG.15 COASTAL, PLAIN - APR. 15 - AUG. 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 RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SEEDING MIXTURE SPECIES RYE (GRAIN)

SECONG DATES MOUNTAINS - AUG. 15 - DEC 15 COASTAL PLAIN AND PIEDMONT - AUG. 15- DEC. 30

SOIL AMENDMENTS
FOLLOW SOIL TESTS OR APPLY 2.000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1.000 LB/ACRE 10-10-10 FERTILIZER.

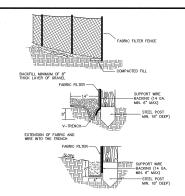
MULCH.

APPLY 4.000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING,
OF AN ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE
USED AS A MULCH ANCHORING TOOL.

MANIEMANCE
REPAIR AND REFERRILIZE DAMAGED AREAS IMMEMATELY, TOPORESS WITH 50 LB/ACRE
REPAIR AND REFERRILIZE DAMAGED AREAS IMMEMATELY, TOPORESS WITH 50 LB/ACRE
OF MINISORII HI MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COMER BETOND
THE SECOND TO SECOND TO SECOND THE SECOND THE SECOND THE PAIR OF COMERN FAMILY OF COMERN FAMILY OF COMERN FAMILY AND COM

STABILIZATION TIME TABLE

SITE AREA DESCRIPTION PERMITER DIKES, SWALES, DITCHES AND SLOPES HIGH QUALITY WATER (HWQ) ZONES SLOPES STEEPER THAN 3:1 NONE
IF SLOPES ARE 10' IN
LENGTH AND ARE NOT
STEEPER THAN 2:1, 14
DAYS ARE ALLOWED
7 DAYS FOR SLOPES SLOPES 3:1 OR FLATTER 14 DAYS ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 14 DAYS



CONSTRUCTION SPECIFICATIONS:

CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.

2.) ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 18 INCHES ABOVE THE GROUND SURFACE.

3.) CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL OUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER COITH ORLY AT A STEEL SUPPORT POST (1.33 LBS./LINEAR FT) WITH OVERLAP TO THE NEXT POST.

5.) WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 18 INCHES.

7.) EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER. 8.) BACKFILL THE TRENCH WITH COMPACTED SOIL OR GRAVEL PLACED OVER THE FILTER FABRIC.

9.) DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

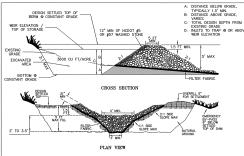
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERWINNING THE FENCE DURING CLEAROUT.

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERTY STABILIZED.

STRUCTURAL STONE SHALL BE (CLASS "B") STONE FOR EROSION CONTROL PURPOSES.

SEDIMENT CONTROL STONE SHALL BE #5 OR #57 STONE



TEMPORARY SEDIMENT TRAP

TOP VIEW

SILT FENCE -

SILT FENCE OUTLET

1. CLEAR, GRUB, AND STRIP THE AREA UNDER THE EMBANGWENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL MATERIA.

CONSTRUCT THE OUTLET SECTION IN THE EMBANGMENT. PROTECT THE CONNECTION BETWEEN THE RIPRAP AND THE SOIL FROM FILTER FABRIC OR A KEYWAY CUTOFF TREINCH BETWEEN THE RIPRAP STRUCTURE AND THE SOIL.

PLACE THE FILTER FABRIC BETWEEN THE RIPRAP AND SOIL. EXTEND THE FABRIC ACROSS THE SPILLWAY FOUNDATION AND SIDES TO THE TOP OF THE DAM: OR

. CLEAR THE POND AREA BELOW THE ELEVATION OF THE CREST OF THE SPILLWAY TO FACILITATE SEDIMENT CLEANOUT i. ALL CUT AND FILL SLOPES SHOULD BE 2:1 OR FLATTER.

6. ENSURE THAT THE STONE (DRAINAGE) SECTION OF THE EMBANKMENT HAS A MINIMUM BOTTOM WIDTH OF 3 FT AND MAXIMUM SIDE SLOPES OF 1:1
THAT EXTEND TO THE BOTTOM OF THE SPILLWAY SECTION.

7. CONSTRUCT THE MINIMUM FINISHED STONE SPILLIMAY BOTTOM WIDTH, AS SHOWN ON THE PLANS, WITH 2:1 SIDE SLOPES EXTENDING TO THE TOP OF PARTY RELED BEHAMANDER. KEEP THE THICKNESS OF THE SPILLIMAY CUTLET STRUCTURE AT A MINIMUM OF 21 INCHES. THE WERE MASS'T BE LEVEL, AND CONSTRUCTION TO GRADE TO ASSINE DESIGN CAPACITY. B. MATERAL USED IN THE STONE SECTION SHOULD BE A WELL-GRADED MINTURE OF STONE WITH A D_{GS} SZE OF 9 NOHES (CLASS B EROSION CONTROL STONE IS RECOMMENDED) AND A MANAUAR STONE SZE OF 14 NOHES. THE STONE MAY BE "MACHINE PLACED AND THE SMALLER STONE: MORRED INTO THE VOIDS OF THE LAGRED STONE." THE STONE SHOULD BE HARD, ANAULAR, AND HIGHLY MEATHER-RESISTANT.

9. DISCHARGE RILET WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEMMENT—LADEN WATER TO THE LIPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY (REPERDICES: RUI CONTRICL MEASURES AND OUTLET PROTECTION).

10. ENSURE THAT THE STONE SPILIWAY OUTLET SECTION EXTENDS DOWNSTREAM PAST THE TOE OF THE EMBANGMENT UNTIL STABLE CONDITIONS ARE REACHED AND OUTLET VELOCITY IS ACCEPTABLE FOR THE RECEIVING STREAM. NEEP THE EDGES OF THE STONE CUTLET SECTION FLUSH WITH THE SURFACIONION GROUND, AND SHAPE THE CENTER TO CONFINE THE CUTLICAN STREAM (REPERSIVESE) CUTLET PROTECTION.

DIRECT EMERGENCY BYPASS TO NATURAL, STABLE AREAS. LOCATE BYPASS OUTLETS SO THAT FLOW WILL NOT DAMAGE THE EMBANQUENT 12. STABILIZE THE EMPANAMENT AND ALL DISTURBED AREAS ABOVE THE SEDMENT POOL AND DOWNSTREAM FROM THE TRAP INMEDIATELY AFTER CONSTRUCTION (REFERENCES: SURFACE STABILIZATION).

13. SHOW THE DISTANCE FROM THE TOP OF THE SPILLWAY TO THE SEDIMENT CLEANOUT LEVEL (ONE-HALF THE DESIGN DEPTH) ON THE PLANS AND MARK IT IN THE FIELD.

RESPECT DEPORANCY SERVENT THAP'S AT LEST RESEAL AND AFTER EACH SOMPOUNT (1/2 NEW OF GREATER) DAMALL, SHOT! AND RESEARCH MEMORATUR. RANNES STRUMET AND RESTORE THE RESPONDED TO THE GROWN, DEPORTING WITH THE SERVENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAVE, PLACE THE SEGMENT HAS A COMMITTED THE PRAYER OF THE GRAVEL. FACIOR THAT IS REMEMBED BY SERVENT.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 IF DELOW THE LOW POINT OF THE DIMARKMENT. IMMEDIATELY FILL ANY SETELLMENT OF THE EMPANAMENT TO SUCHTLY ABOVE DESIGN CADALE. ANY PRIPAR DISSPACED FROM THE SPILLWAY WINSTE BE REPLACED IMMEDIATELY. AFTER ALL SEXIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY (REFERENCES: SURFACE STABILIZATION).

PROJECT INFORMATION

PROJECT DESCRIPTION

THE PURPOSE OF THE PROJECT IS TO CONSTRUCT A 48 UNIT RV STORAGE FACILITY ON A 3.06 ACRE LOT. SITE LOCATED IN CHATHAM COUNTY ON BEVER CREEK ROAD (SEE VICINITY MAP).

SIE DESCRETON.
THE SIE IS CURRENTLY A 3.06 ACRE, WOODED SITE. THE SITE SLOPES TO THE NORTH & SOUTH FROM A HIGH POINT CENTRALLY LOCATED. SLOPES ARE IN THE 5 — 6% RANGE.

ADJACENT PROPERTY

LAND USE IN THE VICINITY IS MOSTLY RURAL, UNDEVELOPED TRACTS NARRATIVE

PLANNED EROSION AND SEDIMENTATION CONTROL PRACTICES

CONSTRUCTION ENTRANCE/EXIT A CONSTRUCTION ENTRANCE/EXIT IS PROMDED AT THE ACCESS POINT TO THE SITE TO REDUCE SEDIMENTATION DEPOSIT ON THE EXISTING ROADWAY.

SEDMENT TRAPS
SEDMENT TRAPS ARE LOCATED AT THE ENDS OF EACH CUL-DE-SAC AND AT LOW POINTS OF DITCHES TO FILTER SEDMENT LADER RUNOFF
CONN THE RIGHT-FE-MAY CONSTRUCTION PRICE TO RELEASE TO MATURAL GRAININGE WAYS.

DIMERSION DITCHES/BERMS.

DIMERSION DITCHES AND BERMS ARE LOCATED AS NECESSARY TO DIRECT SEDIMENT LADEN RUNOFF TO FILTERING DEVICES OF DIRECT CLEAN RUNOFF AROUND THE APPEAR OF DISTURBANACE

CHECK DAMS/DITCH LINERS.

CHECK DAMS ARE PROVIDED ALONG THE PERMANENT DITCH IN ORDER TO REDUCE EROSION VELOCITIES IN THE PROPOSED ROADSIDE DITCHES.

UPON FINAL GRADING, CHECK DAMS WILL BE REMOVED AND REPLACED WITH THE TEMPORARY DITCH LINERS NOTED ON THE PLANS.

TEMPORARY/PERMANENT SEEDING
TEMPORARY AND PERMANENT SEEDING ARE REQUIRED AT ANY POINT IN WHICH CONSTRUCTION ACTIVITIES CEASE FOR MORE THAN 14 DAYS.

- 1. OBTAIN ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS. 2. HOLD PRECONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- CLEAR SITE AS NECESSARY TO INSTALL PERIMETER MEASURES. INSTALL PERIMETER MEASURES AND SEDIMENT TRAPS. STABILIZE TRAPS AND DIVERSIONS IMMEDIATELY UPON CONSTRUCTION.

- 8. INSTALL STORM DISTRIBUTION SYSTEM. INSTALL INLET PROTECTION IMMEDIATELY UPON COMPLETION OF EACH INLET
- 10. INSTALL ABC STONE AND COMPACT.
- 11. POUR CONCRETE PAD FOR BUILDING.
- 12. PAVE ENTRANCE AND PARKING AREA
- INSTALL GRASSPAVE2.
- 14. STABILIZE ALL DISTURBED AREAS AND CONSTRUCT APRONS.

MAINTENANCE PLAN

- CHECK ALL EROSION AND SEDMENT CONTROL PRACTICES FOR STABILTY AND OPERATION FOLLOWING EVERY RAWFALL PRODUCING RUNOFF BUT IN NO CASE LESS THAN ONCE EVERY WEEK, MAKE ANY NEEDED REPAIRS MANDIATELY TO MAINTAIN ALL PRACTICES AS DESCRIBE, POLYON MALL APPLICABLE REQUIREMENTS OF PROPES PHASE I PERMIT.
- 3. SEED AND STABILIZE ALL DISTURBED AREAS WITHIN 15 DAYS OF THE COMPLETION OF ANY PHASE OF GRADING. FERTILIZE ALL SEEDED AREAS, RESEED AS NECESSARY, AND MULCH ACCORDING TO THE SEEDING SCHEDULE TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE

NPDES PERMIT REQUIREMENTS

THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF NPDES PERMIT FOR CONSTRUCTION ACTIVITIES (PERMIT NO. NGC01000D). THE ITEMS NOTED ARE SOME OF THE OBLIGATIONS ASSOCIATED WITH THE NPDES PERMIT PROCESS. CONTROLS FOR STORMWATER DISCHARGES

In the Permitter Syndl, Replaced the Sol. And Eroson Control, Plan, which has been controlled to the Controlled the Sol. And Eroson Control, Plan, which has a Recombibility of Controlled the Permitter Environ From the Affence Plan, on Affence de Abbount to the Plan, Syndl, Controlled a Machanity of From the Affence and the Permitter Sol. And the Sol. And the From the Affence and the Sol. And the Sol. And the Sol. And when Standards are Bond Dockhool Of the 1st (Evol Houlder the Syndle Revolt) and the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Affence of the Sol. And Syndle Revolt on the Sol. And Syndle Syndle

CLAFF OF THE APPROVED PLAN SHALL BE MANIFORMED AT THE JUST STILL A SIGNED.

2. EQUIPMENT UNLESS DURING THE CONSTRUCTION ACTIVITY ON A SITE AND THE CANADA AND THE CONSTRUCTION ACTIVITY ON A SITE MASS THE CANADA AND THE CONTROL AND THE STATE FOR ACTIVAL POLICIPATION OF THE STATE FOR CONTROL OF THE STATE FURST. LIBRORATION COOLANTS, AND INFORMALIC PLUDGS, OR ANY OTHER PETROLEMA MATERS. STATE FURST, AND THE CONTROL OF THE STATE AND THE CONTROL OF THE STATE FURST. THE WATERS, SURFACE, OR GOUND, OF THE STATE AND THE ACCOUNT OF THE STATE FURST. THE CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CENTER FURST. THE CALLARY AND THE CENTER FURST. SURFACE OR GOUND, OF THE STATE FURST.

- HERBICIDE, PESTICIDE, AND FERTILIZER USAGE DURING THE CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THOSE MATERIALS APPROVED BY EPA AND SHALL BE IN ACCORDANCE WITH LABEL RESTRICTIONS.
- ALL WASTES COMPOSED OF BUILDING MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH NORTH CAROLINA GENERAL STATUTES.

MINIMUM MONITORING AND REPORTING REQUIREMENTS

MINIMUM MONITORING AND REPORTING REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED IN "WRITING BY THE DIRECTOR OF THE DIVISION OF ENVIRONMENTAL MANAGEMENT."

ALL SEDIMENTATION AND EROSION CONTROL FACILITIES SHALL BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE AT LEAST ONCE EVERY SEVEN CALENDAL DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THEN 0.5 INC OF RAIN PER 24 HOUR PERIOD.

STORMWATER RUNOFF DISCHARGES SHALL BE INSPECTED BY OBSERVATION FOR STORMWATER DISCHARGE CHARACTERSTICS AS DEFINED BLOW AT THE ABOVE PREQUENCY TO EVALUATE THE EFFECTIVENESS OF THE POLLUTION CONTROL FACILITIES OF PRACTICES. IF ANY WISILE OFF-SITE SEDIMENTATION IS LEAVING THE STIE, CORRECTIVE ACTION SHALL BE TRACEN TO REDUCE THE DISCHARGE OF SEDIMENTS.

| Stormwater Discharge Characteristics | Monitoring Type | Monitoring Location ² |
|---|--------------------|-------------------------------------|
| Color | 1 | SDO |
| Odor | | SDO |
| Clarity | | SDO |
| Floating Solids | | SDO |
| Suspended Solids | | SDO |
| Foam | | SDO |
| Oil Sheen | | SDO |
| Other obvious indicators of | | SDO |

FOOTNOTES:

1 MONITORING TYPE: THE MONITORING REQUIRES A QUALITATIVE OBSERVATION OF EACH STORMWATER OUTFALL, NO ANALYTICAL TESTING OR SAMPLING IS REQUIRED.

2 SOME LUCLATORS STAMMARTER INSCRING CONTRACT (2007)
THE OPPRATOR STALL KEEP A RECORDED WITH A BREEF EXPLANATION AS TO THE
OFF THE SITE. SHALL BER RECORDED WITH A BREEF EXPLANATION AS TO THE
OFF THE SITE. SHALL BER RECORDED WITH A BREEF EXPLANATION AS TO THE
OFF THE OPPROVED TH

PERMITTEE SHALL AT ALL TIMES PROVIDE THE OPERATION AND MAINTENANCE NECESSARY TO OPERATE THE PERMITTED STORMWATER CONTROLS AT OPTIMUL SECULIARLY.

Engineering, Inc.

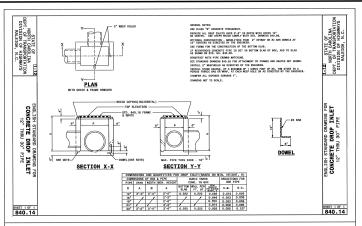
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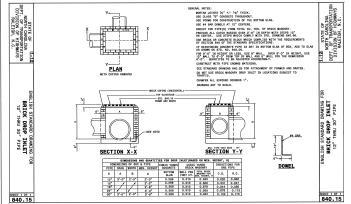
GARAGE II NORTH CAROLINA EROSION CONTROL DETAILS XTRA COUNTY,

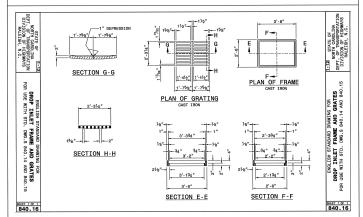
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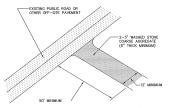
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EarthCentric 204 W. (Mebane, Phone: ((Fax: () E-Mail: F









CONSTRUCTION ENTRANCE/EXIT

CONSTRUCTION_SPECIFICATIONS:

1.) CLEAR THE ENTRANCE AND EXIT OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.

2.) PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT. 3.) PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.

 USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE THE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE. MAINTENANCE:

CONSTRUCTION SPECIFICATIONS

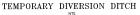
REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.

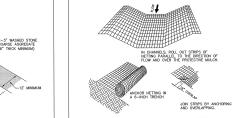
PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGRADING AND CLEANOUT.

MAINTENANCE

IMMEDIATELY REMOVE SEDMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK CUTLETS AND MAKE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE DELAN WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZED. IN





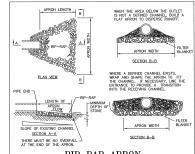


INSTALLATION OF NETTING AND MATTING

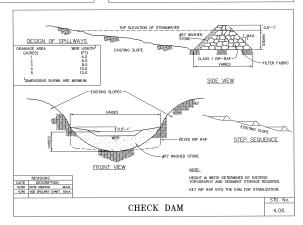
PRODUCTS DESIGNED TO CONTROL EROSION SHOULD BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANY MAT OR BLANKET—TYPE PRODUCT USED AS A PROTECTIVE MULCH SHOULD PROVIDE COVER OF AT LEAST 30% OF THE SURFACE WHERE IT IS APPLIED.

APPLY LIME, FERTILIZER AND SEED BEFORE LAYING THE NET OR MAT 2. START LAYING THE NET FROM THE TOP OF THE CHANNEL OR SLOPE AND UNROLL IT DOWN THE GRADE. ALLOW NETTING TO LAY LOOSELY ON THE SOIL BUT WITHOUT WRINKLES — DO NOT STRETCH.

NETS AND MATS



RIP RAP APRON





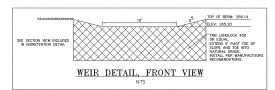
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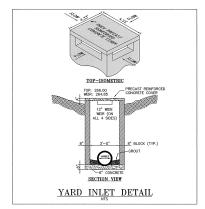
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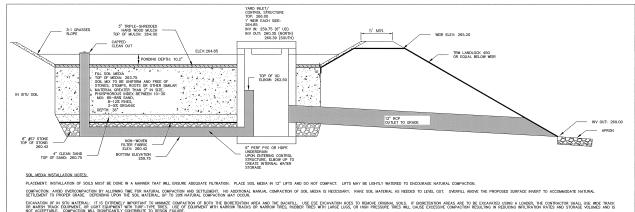
GARAGE II NORTH CAROLINA THE EXTRA CHATHAM COUNTY,

EROSION CONTROL DROP INLET DETAILS

SHEET NO. 3.3







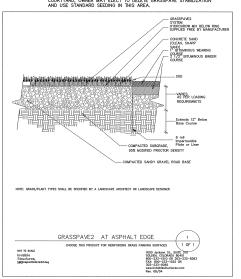
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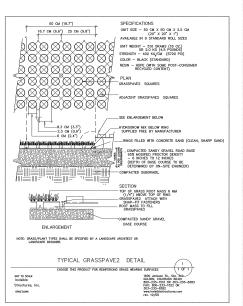
CURB DETAIL

COMPARTIE SAND

COM

NOTE; DUE TO LIMITED AMOUNT OF VEHICLULAR TRAFFIC CROSSING GRASSED COURTYARD, OWNER MAY ELECT TO DELETE GRASSPAVE STABILIZATION AND USE STANDARD SEEDING IN THIS AREA.





ECE Incorporated

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PRINCIPAL ENGINEER
PHILKOCH - NOPE #22534

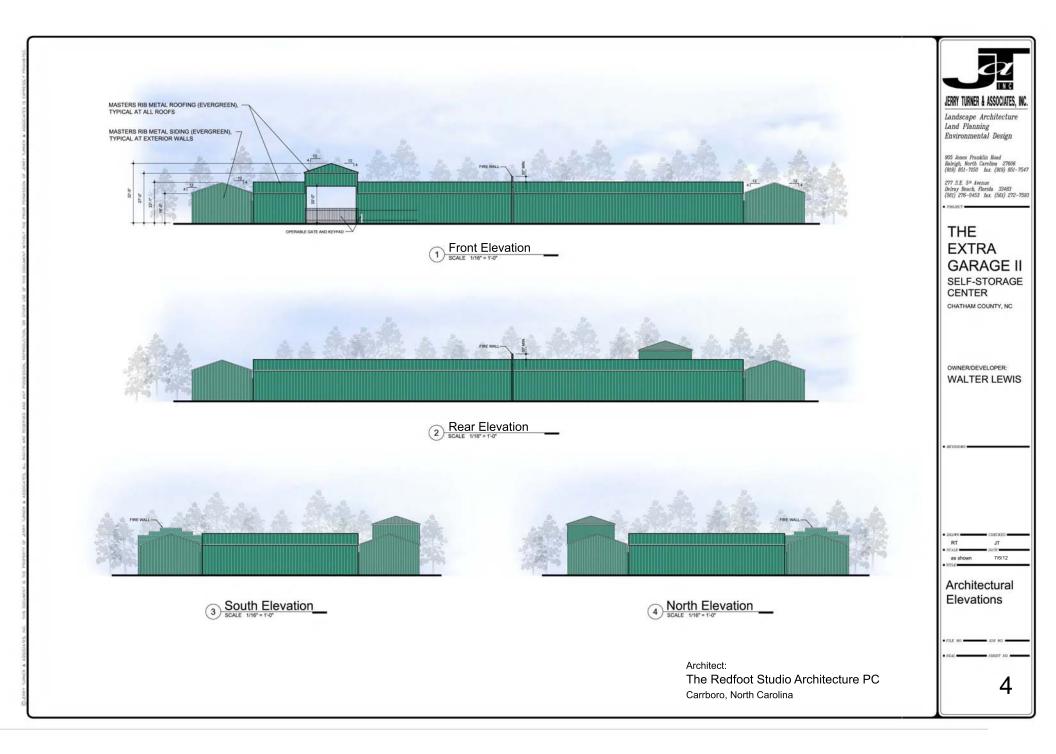
THE EXTRA GARAGE II CHATHAM COUNTY, NORTH CAROLINA

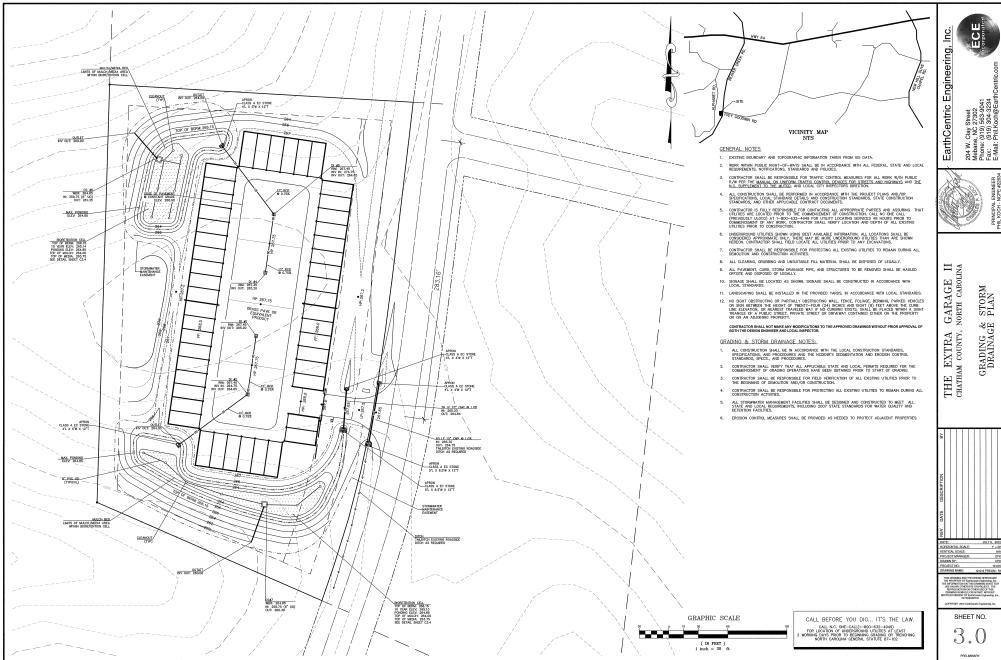
STORMWATER & GRASSPAVE 2 DETAILS

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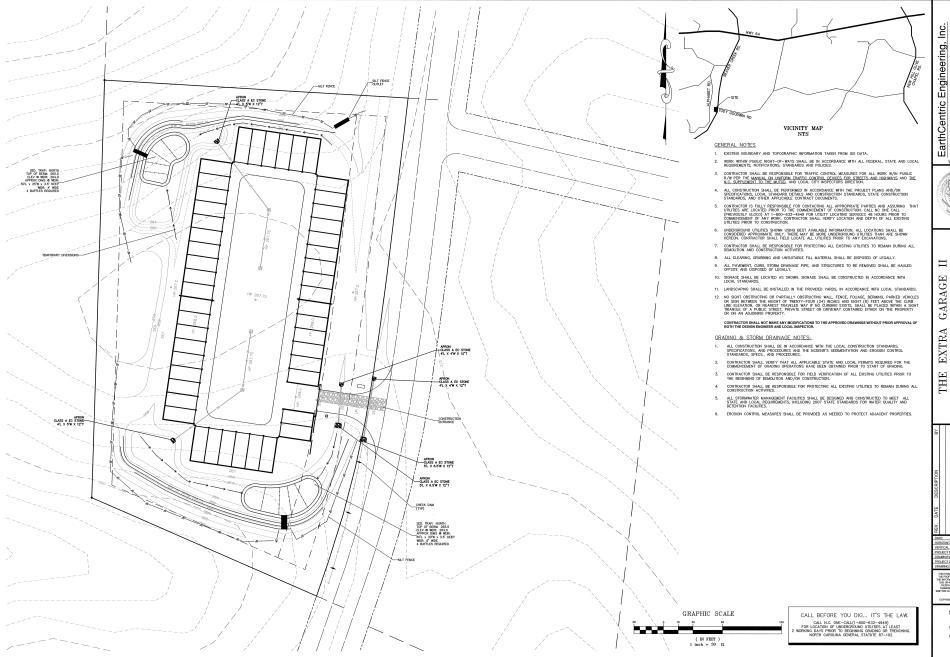
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PRINCIPAL ENGINEER



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THE EXTRA GARAGE II CHATHAM COUNTY, NORTH CAROLINA

EROSION CONTROL PLAN

SHEET NO.

3.1

SEEDING NOTES:

1. AFTER AUGUST 15, USE UNSCARIFED SERICEA SEED.

2. WHERE PERIODIC MOWING IS PLANNED OR A NEAT APPEARANCE IS DESIRED,
OMIT SERICEA AND INCREASE KOBE LESPEDEZA TO 40 LB/ACRE. TO EXTEND SPRING SEEDING DATES INTO JUNE, ADD 15 LB/ACRE HULLED BERNUDA GRASS. HOWEVER, AFTER MID—APRIL IT IS PREFERABLE TO SEED TEMPORARY COMER.

NUMBER PLANTS
BETWEEN MAY 1 AND AUG. 15, ADD 10 LB/ACRE GERMAN MILLET OF 15 LB/ACRE SUDAN GRASS. PRIOR TO MAY 1 OR AFTER AUG. 15 ADD 40 LB/ACRE RYE (CRAIN).

SEEDING DATES:

BEST POSSIBLE AUG. 25 - SEPT. 15 AUG. 20 - OCT. 25 FEB. 15 - MAR. 21 FEB. 1 - APR. 15 FALL: LATE WINTER: FALL IS BEST FOR TALL FESCUE AND LATE WINTER FOR LESPEDEZAS.

SOIL AMENDMENTS:
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 4,000
LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10
FERTILIZER, EXCEPT, APPLY NO FERTILIZER TO AREAS WITHIN THE NEUSE RIVER

MULCE.
APPLY AGOO LB/AGRE GRAIN STRAW OR EQUIVALENT COVER OF ANOTHER SULTRAGE MULCH. ANCHOR STRAW BY TACKNEW WITH ASPHAIL, NETTING, OR ROVANG OR BY DEWINFOWN OWNER OF WEIGHT OWNER OWNER

TEMPORARY SEEDING SCHEDULES

OMIT ANNUAL LESPEDEZA WHEN DURATION OF TEMPORARY COVER IS NOT TO EXTEND BEYOND JUNE.

SEDING DATES
MOUNTAINS — ABOVE 2500 FT: FEB. 15 — MAY 15
BELOW 2500 FT: FEB. 1 — MAY 1
PIEDMONT — JAN. 1 — MAY 1
COASTAL PLAIN — DEC. 1 — APR. 15

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.

RATE (LB/ACRE)

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUDAN GRASS MAY BE SUBSTITUTED AT A RATE OF 5D LB/ACRE.

SEEDING DATES MOUNTAINS - MAY 15 - AUG.15 PIEDMONT - MAY 1 - AUG.15 COASTAL, PLAIN - APR. 15 - AUG. 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 RE-FERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

SEEDING MIXTURE SPECIES RYE (GRAIN)

SECONG DATES MOUNTAINS - AUG. 15 - DEC 15 COASTAL PLAIN AND PIEDMONT - AUG. 15- DEC. 30

SOIL AMENDMENTS
FOLLOW SOIL TESTS OR APPLY 2.000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1.000 LB/ACRE 10-10-10 FERTILIZER.

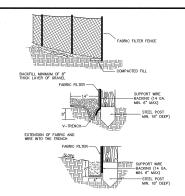
MULCH.

APPLY 4.000 LB/ACRE STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING,
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USED AS A MULCH ANCHORING TOOL.

MANIEMANCE
REPAIR AND REFERRILIZE DAMAGED AREAS IMMEMATELY, TOPORESS WITH 50 LB/ACRE
REPAIR AND REFERRILIZE DAMAGED AREAS IMMEMATELY, TOPORESS WITH 50 LB/ACRE
OF MINISORII HI MARCH, IF IT IS NECESSARY TO EXTEND TEMPORARY COMER BETOND
THE SECOND TO SECOND TO SECOND THE SECOND THE SECOND THE PAIR OF COMERN FAMILY OF COMERN FAMILY OF COMERN FAMILY AND COM

STABILIZATION TIME TABLE

SITE AREA DESCRIPTION PERMITER DIKES, SWALES, DITCHES AND SLOPES HIGH QUALITY WATER (HWQ) ZONES SLOPES STEEPER THAN 3:1 NONE
IF SLOPES ARE 10' IN
LENGTH AND ARE NOT
STEEPER THAN 2:1, 14
DAYS ARE ALLOWED
7 DAYS FOR SLOPES SLOPES 3:1 OR FLATTER 14 DAYS ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1 14 DAYS



CONSTRUCTION SPECIFICATIONS:

CONSTRUCT THE SEDIMENT BARRIER OF STANDARD STRENGTH OR EXTRA STRENGTH SYNTHETIC FILTER FABRICS.

2.) ENSURE THAT THE HEIGHT OF THE SEDIMENT FENCE DOES NOT EXCEED 18 INCHES ABOVE THE GROUND SURFACE.

3.) CONSTRUCT THE FILTER FABRIC FROM A CONTINUOUS ROLL OUT THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FILTER COITH ORLY AT A STEEL SUPPORT POST (1.33 LBS./LINEAR FT) WITH OVERLAP TO THE NEXT POST.

5.) WHEN A WIRE MESH SUPPORT FENCE IS USED, SPACE POSTS A MAXIMUM OF 8 FEET APART. SUPPORT POSTS SHOULD BE DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 18 INCHES.

7.) EXCAVATE A TRENCH APPROXIMATELY 4 INCHES WIDE AND 8 INCHES DEEP ALONG THE PROPOSED LINE OF POSTS AND UPSLOPE FROM THE BARRIER. 8.) BACKFILL THE TRENCH WITH COMPACTED SOIL OR GRAVEL PLACED OVER THE FILTER FABRIC.

9.) DO NOT ATTACH FILTER FABRIC TO EXISTING TREES.

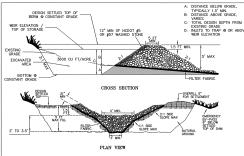
INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.

SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE OR BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERWINNING THE FENCE DURING CLEAROUT.

REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERTY STABILIZED.

STRUCTURAL STONE SHALL BE (CLASS "B") STONE FOR EROSION CONTROL PURPOSES.

SEDIMENT CONTROL STONE SHALL BE #5 OR #57 STONE



TEMPORARY SEDIMENT TRAP

TOP VIEW

SILT FENCE -

SILT FENCE OUTLET

1. CLEAR, GRUB, AND STRIP THE AREA UNDER THE EMBANGWENT OF ALL VEGETATION AND ROOT MAT. REMOVE ALL SURFACE SOIL CONTAINING HIGH AMOUNTS OF ORGANIC MATTER AND STOCKPILE OR DISPOSE OF IT PROPERLY. HAUL ALL OBJECTIONABLE MATERIAL TO THE DESIGNATED DISPOSAL MATERIA.

CONSTRUCT THE OUTLET SECTION IN THE EMBANGMENT. PROTECT THE CONNECTION BETWEEN THE RIPRAP AND THE SOIL FROM FILTER FABRIC OR A KEYWAY CUTOFF TREINCH BETWEEN THE RIPRAP STRUCTURE AND THE SOIL.

PLACE THE FILTER FABRIC BETWEEN THE RIPRAP AND SOIL. EXTEND THE FABRIC ACROSS THE SPILLWAY FOUNDATION AND SIDES TO THE TOP OF THE DAM: OR

. CLEAR THE POND AREA BELOW THE ELEVATION OF THE CREST OF THE SPILLWAY TO FACILITATE SEDIMENT CLEANOUT i. ALL CUT AND FILL SLOPES SHOULD BE 2:1 OR FLATTER.

6. ENSURE THAT THE STONE (DRAINAGE) SECTION OF THE EMBANKMENT HAS A MINIMUM BOTTOM WIDTH OF 3 FT AND MAXIMUM SIDE SLOPES OF 1:1
THAT EXTEND TO THE BOTTOM OF THE SPILLWAY SECTION.

7. CONSTRUCT THE MINIMUM FINISHED STONE SPILLIMAY BOTTOM WIDTH, AS SHOWN ON THE PLANS, WITH 2:1 SIDE SLOPES EXTENDING TO THE TOP OF PARTY RELED BEHAMANDER. KEEP THE THICKNESS OF THE SPILLIMAY CUTLET STRUCTURE AT A MINIMUM OF 21 INCHES. THE WERE MASS'T BE LEVEL, AND CONSTRUCTION TO GRADE TO ASSINE DESIGN CAPACITY. B. MATERAL USED IN THE STONE SECTION SHOULD BE A WELL-GRADED MINTURE OF STONE WITH A D_{GS} SZE OF 9 NOHES (CLASS B EROSION CONTROL STONE IS RECOMMENDED) AND A MANAUAR STONE SZE OF 14 NOHES. THE STONE MAY BE "MACHINE PLACED AND THE SMALLER STONE: MORRED INTO THE VOIDS OF THE LAGRED STONE." THE STONE SHOULD BE HARD, ANAULAR, AND HIGHLY MEATHER-RESISTANT.

9. DISCHARGE RILET WATER INTO THE BASIN IN A MANNER TO PREVENT EROSION. USE TEMPORARY SLOPE DRAINS OR DIVERSIONS WITH OUTLET PROTECTION TO DIVERT SEMMENT—LADEN WATER TO THE LIPPER END OF THE POOL AREA TO IMPROVE BASIN TRAP EFFICIENCY (REPERDICES: RUI CONTRICL MEASURES AND OUTLET PROTECTION).

10. ENSURE THAT THE STONE SPILIWAY OUTLET SECTION EXTENDS DOWNSTREAM PAST THE TOE OF THE EMBANGMENT UNTIL STABLE CONDITIONS ARE REACHED AND OUTLET VELOCITY IS ACCEPTABLE FOR THE RECEIVING STREAM. NEEP THE EDGES OF THE STONE CUTLET SECTION FLUSH WITH THE SURFACIONION GROUND, AND SHAPE THE CENTER TO CONFINE THE CUTLICAN STREAM (REPERSIVESE) CUTLET PROTECTION.

DIRECT EMERGENCY BYPASS TO NATURAL, STABLE AREAS. LOCATE BYPASS OUTLETS SO THAT FLOW WILL NOT DAMAGE THE EMBANQUENT 12. STABILIZE THE EMPANAMENT AND ALL DISTURBED AREAS ABOVE THE SEDMENT POOL AND DOWNSTREAM FROM THE TRAP INMEDIATELY AFTER CONSTRUCTION (REFERENCES: SURFACE STABILIZATION).

13. SHOW THE DISTANCE FROM THE TOP OF THE SPILLWAY TO THE SEDIMENT CLEANOUT LEVEL (ONE-HALF THE DESIGN DEPTH) ON THE PLANS AND MARK IT IN THE FIELD.

RESPECT DEPORANCY SERVENT THAP'S AT LEST RESEAL AND AFTER EACH SOMPOUNT (1/2 NEW OF GREATER) DAMALL, SHOT! AND RESEARCH MEMORATUR. RANNES STRUMET AND RESTORE THE RESPONDED TO THE GROWN, DEPORTING WITH THE SERVENT HAS ACCUMULATED TO ONE-HALF THE DESIGN DEPTH OF THE TRAVE, PLACE THE SEGMENT HAS A COMMITTED THE PRAYER OF THE GRAVEL. FACIOR THAT IS REMEMBED BY SERVENT.

CHECK THE STRUCTURE FOR DAMAGE FROM EROSION OR PIPING. PERIODICALLY CHECK THE DEPTH OF THE SPILLWAY TO ENSURE IT IS A MINIMUM OF 1.5 IF DELOW THE LOW POINT OF THE DIMARKMENT. IMMEDIATELY FILL ANY SETELLMENT OF THE EMPANAMENT TO SUCHTLY ABOVE DESIGN CADALE. ANY PRIPAR DISSPACED FROM THE SPILLWAY WINSTE BE REPLACED IMMEDIATELY. AFTER ALL SEXIMENT-PRODUCING AREAS HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL UNSTABLE SEDIMENT. THE AREA TO BLEND WITH THE ADJOINING AREAS AND STABILIZE PROPERLY (REFERENCES: SURFACE STABILIZATION).

PROJECT INFORMATION

PROJECT DESCRIPTION

THE PURPOSE OF THE PROJECT IS TO CONSTRUCT A 48 UNIT RV STORAGE FACILITY ON A 3.06 ACRE LOT. SITE LOCATED IN CHATHAM COUNTY ON BEVER CREEK ROAD (SEE VICINITY MAP).

SIE DESCRETON.
THE SIE IS CURRENTLY A 3.06 ACRE, WOODED SITE. THE SITE SLOPES TO THE NORTH & SOUTH FROM A HIGH POINT CENTRALLY LOCATED. SLOPES ARE IN THE 5 — 6% RANGE.

ADJACENT PROPERTY

LAND USE IN THE VICINITY IS MOSTLY RURAL, UNDEVELOPED TRACTS NARRATIVE

PLANNED EROSION AND SEDIMENTATION CONTROL PRACTICES

CONSTRUCTION ENTRANCE/EXIT A CONSTRUCTION ENTRANCE/EXIT IS PROMDED AT THE ACCESS POINT TO THE SITE TO REDUCE SEDIMENTATION DEPOSIT ON THE EXISTING ROADWAY.

SEDMENT TRAPS
SEDMENT TRAPS ARE LOCATED AT THE ENDS OF EACH CUL-DE-SAC AND AT LOW POINTS OF DITCHES TO FILTER SEDMENT LADER RUNOFF
CONN THE RIGHT-FE-MAY CONSTRUCTION PRICE TO RELEASE TO MATURAL GRAININGE WAYS.

DIMERSION DITCHES/BERMS.

DIMERSION DITCHES AND BERMS ARE LOCATED AS NECESSARY TO DIRECT SEDIMENT LADEN RUNOFF TO FILTERING DEVICES OF DIRECT CLEAN RUNOFF AROUND THE APPEAR OF DISTURBANACE

CHECK DAMS/DITCH LINERS.

CHECK DAMS ARE PROVIDED ALONG THE PERMANENT DITCH IN ORDER TO REDUCE EROSION VELOCITIES IN THE PROPOSED ROADSIDE DITCHES.

UPON FINAL GRADING, CHECK DAMS WILL BE REMOVED AND REPLACED WITH THE TEMPORARY DITCH LINERS NOTED ON THE PLANS.

TEMPORARY/PERMANENT SEEDING
TEMPORARY AND PERMANENT SEEDING ARE REQUIRED AT ANY POINT IN WHICH CONSTRUCTION ACTIVITIES CEASE FOR MORE THAN 14 DAYS.

- 1. OBTAIN ALL PLAN APPROVALS AND OTHER APPLICABLE PERMITS. 2. HOLD PRECONSTRUCTION CONFERENCE AT LEAST ONE WEEK PRIOR TO STARTING CONSTRUCTION.
- CLEAR SITE AS NECESSARY TO INSTALL PERIMETER MEASURES. INSTALL PERIMETER MEASURES AND SEDIMENT TRAPS. STABILIZE TRAPS AND DIVERSIONS IMMEDIATELY UPON CONSTRUCTION.

- 8. INSTALL STORM DISTRIBUTION SYSTEM. INSTALL INLET PROTECTION IMMEDIATELY UPON COMPLETION OF EACH INLET
- 10. INSTALL ABC STONE AND COMPACT.
- 11. POUR CONCRETE PAD FOR BUILDING.
- 12. PAVE ENTRANCE AND PARKING AREA
- INSTALL GRASSPAVE2.
- 14. STABILIZE ALL DISTURBED AREAS AND CONSTRUCT APRONS.

MAINTENANCE PLAN

- CHECK ALL EROSION AND SEDMENT CONTROL PRACTICES FOR STABILTY AND OPERATION FOLLOWING EVERY RAWFALL PRODUCING RUNOFF BUT IN NO CASE LESS THAN ONCE EVERY WEEK, MAKE ANY NEEDED REPAIRS MANDIATELY TO MAINTAIN ALL PRACTICES AS DESCRIBE, POLYON MALL APPLICABLE REQUIREMENTS OF PROPES PHASE I PERMIT.
- 3. SEED AND STABILIZE ALL DISTURBED AREAS WITHIN 15 DAYS OF THE COMPLETION OF ANY PHASE OF GRADING. FERTILIZE ALL SEEDED AREAS, RESEED AS NECESSARY, AND MULCH ACCORDING TO THE SEEDING SCHEDULE TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE

NPDES PERMIT REQUIREMENTS

THIS PROJECT IS SUBJECT TO THE REQUIREMENTS OF NPDES PERMIT FOR CONSTRUCTION ACTIVITIES (PERMIT NO. NGC01000D). THE ITEMS NOTED ARE SOME OF THE OBLIGATIONS ASSOCIATED WITH THE NPDES PERMIT PROCESS. CONTROLS FOR STORMWATER DISCHARGES

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CLAFF OF THE APPROVED PLAN SHALL BE MANIFORMED AT THE JUST STILL A SIGNED.

2. EQUIPMENT UNLESS DURING THE CONSTRUCTION ACTIVITY ON A SITE AND THE CANADA AND THE CONSTRUCTION ACTIVITY ON A SITE MASS THE CANADA AND THE CONTROL AND THE STATE FOR ACTIVAL POLICIPATION OF THE STATE FOR CONTROL OF THE STATE FURST. LIBRORATION COOLANTS, AND INFORMALIC PLUDGS, OR ANY OTHER PETROLEMA MATERS. STATE FURST, AND THE CONTROL OF THE STATE AND THE CONTROL OF THE STATE FURST. THE WATERS, SURFACE, OR GOUND, OF THE STATE AND THE ACCOUNT OF THE STATE FURST. THE CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CELEMAND TO THE CENTER FURST. CALLARY AND THE CENTER FURST. THE CALLARY AND THE CENTER FURST. SURFACE OR GOUND, OF THE STATE FURST.

- HERBICIDE, PESTICIDE, AND FERTILIZER USAGE DURING THE CONSTRUCTION ACTIVITY SHALL BE RESTRICTED TO THOSE MATERIALS APPROVED BY EPA AND SHALL BE IN ACCORDANCE WITH LABEL RESTRICTIONS.
- ALL WASTES COMPOSED OF BUILDING MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH NORTH CAROLINA GENERAL STATUTES.

MINIMUM MONITORING AND REPORTING REQUIREMENTS

MINIMUM MONITORING AND REPORTING REQUIREMENTS ARE AS FOLLOWS UNLESS OTHERWISE APPROVED IN "WRITING BY THE DIRECTOR OF THE DIVISION OF ENVIRONMENTAL MANAGEMENT."

ALL SEDIMENTATION AND EROSION CONTROL FACILITIES SHALL BE INSPECTED BY OR UNDER THE DIRECTION OF THE PERMITTEE AT LEAST ONCE EVERY SEVEN CALENDAL DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THEN 0.5 INC OF RAIN PER 24 HOUR PERIOD.

STORMWATER RUNOFF DISCHARGES SHALL BE INSPECTED BY OBSERVATION FOR STORMWATER DISCHARGE CHARACTERSTICS AS DEFINED BLOW AT THE ABOVE PREQUENCY TO EVALUATE THE EFFECTIVENESS OF THE POLLUTION CONTROL FACILITIES OF PRACTICES. IF ANY WISILE OFF-SITE SEDIMENTATION IS LEAVING THE STIE, CORRECTIVE ACTION SHALL BE TRACEN TO REDUCE THE DISCHARGE OF SEDIMENTS.

| Stormwater Discharge Characteristics | Monitoring Type | Monitoring Location ² |
|---|--------------------|-------------------------------------|
| Color | 1 | SDO |
| Odor | | SDO |
| Clarity | | SDO |
| Floating Solids | | SDO |
| Suspended Solids | | SDO |
| Foam | | SDO |
| Oil Sheen | | SDO |
| Other obvious indicators of | | SDO |

FOOTNOTES:

1 MONITORING TYPE: THE MONITORING REQUIRES A QUALITATIVE OBSERVATION OF EACH STORMWATER OUTFALL, NO ANALYTICAL TESTING OR SAMPLING IS REQUIRED.

2 SOME LUCLATORS STAMMARTER INSCRING CONTRACT (2007)
THE OPPRATOR STALL KEEP A RECORDED WITH A BREEF EXPLANATION AS TO THE
OFF THE SITE. SHALL BER RECORDED WITH A BREEF EXPLANATION AS TO THE
OFF THE SITE. SHALL BER RECORDED WITH A BREEF EXPLANATION AS TO THE
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PERMITTEE SHALL AT ALL TIMES PROVIDE THE OPERATION AND MAINTENANCE NECESSARY TO OPERATE THE PERMITTED STORMWATER CONTROLS AT OPTIMUL SECULIARLY.

Engineering, Inc.

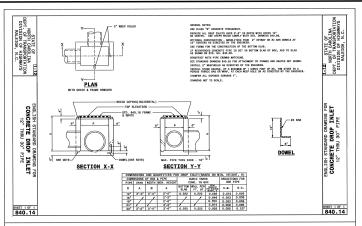
Street 27302 1563-9041 1304-3234 (och@Earth Clay (919) (919) (919) Phil.K

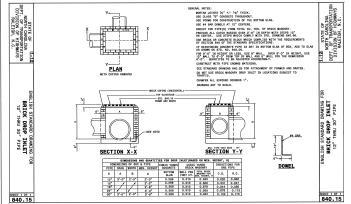
GARAGE II NORTH CAROLINA EROSION CONTROL DETAILS XTRA COUNTY,

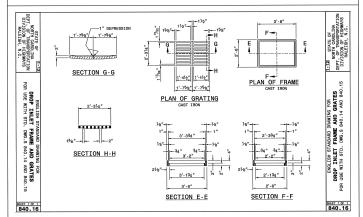
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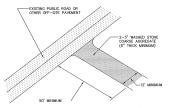
3.2

EarthCentric 204 W. (Mebane, Phone: ((Fax: () E-Mail: F









CONSTRUCTION ENTRANCE/EXIT

CONSTRUCTION_SPECIFICATIONS:

1.) CLEAR THE ENTRANCE AND EXIT OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND PROPERLY GRADE IT.

2.) PLACE THE GRAVEL TO THE SPECIFIC GRADE AND DIMENSIONS SHOWN ON THE PLANS, AND SMOOTH IT. 3.) PROVIDE DRAINAGE TO CARRY WATER TO A SEDIMENT TRAP OR OTHER SUITABLE OUTLET.

 USE GEOTEXTILE FABRICS BECAUSE THEY IMPROVE THE STABILITY OF THE FOUNDATION IN LOCATIONS SUBJECT TO SEEPAGE OR HIGH WATER TABLE. MAINTENANCE:

CONSTRUCTION SPECIFICATIONS

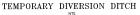
REMOVE AND PROPERLY DISPOSE OF ALL TREES, BRUSH, STUMPS, AND OTHER OBJECTIONABLE MATERIAL.

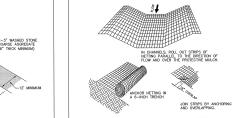
PROVIDE SUFFICIENT ROOM AROUND DIVERSIONS TO PERMIT MACHINE REGRADING AND CLEANOUT.

MAINTENANCE

IMMEDIATELY REMOVE SEDMENT FROM THE FLOW AREA AND REPAIR THE DIVERSION RIDGE. CAREFULLY CHECK CUTLETS AND MAKE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE DELAN WITH THE NATURAL GROUND LEVEL AND APPROPRIATELY STABILIZED. IN





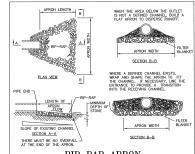


INSTALLATION OF NETTING AND MATTING

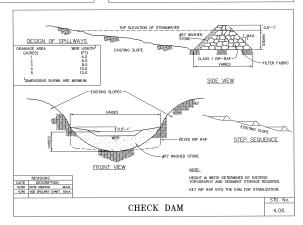
PRODUCTS DESIGNED TO CONTROL EROSION SHOULD BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. ANY MAT OR BLANKET—TYPE PRODUCT USED AS A PROTECTIVE MULCH SHOULD PROVIDE COVER OF AT LEAST 30% OF THE SURFACE WHERE IT IS APPLIED.

APPLY LIME, FERTILIZER AND SEED BEFORE LAYING THE NET OR MAT 2. START LAYING THE NET FROM THE TOP OF THE CHANNEL OR SLOPE AND UNROLL IT DOWN THE GRADE. ALLOW NETTING TO LAY LOOSELY ON THE SOIL BUT WITHOUT WRINKLES — DO NOT STRETCH.

NETS AND MATS



RIP RAP APRON





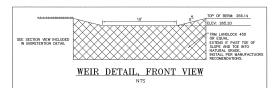
204 W. C Mebane, Phone: (Fax: (E-Mail: F

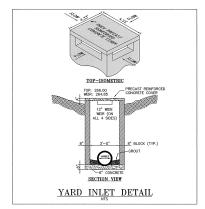
EarthCentric

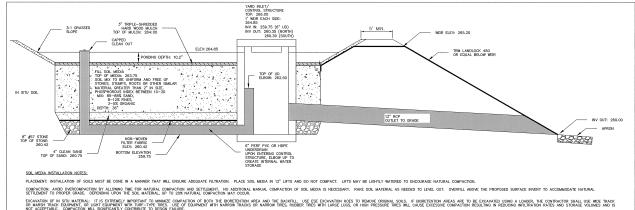
GARAGE II NORTH CAROLINA THE EXTRA CHATHAM COUNTY,

EROSION CONTROL DROP INLET DETAILS

SHEET NO. 3.3





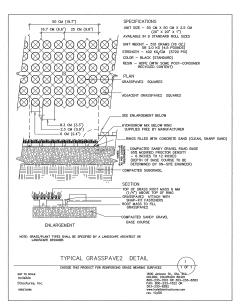


BIORETENTION: CROSS-SECTION (NTS)

Elfel deal of the trail of the fee COMPACTED SANDY GRAVEL ROADBASE GRASS FILLED GRASSPAVE2 UNIT COMPACTED SANDY GRAVEL ROAD BASE DEPTH

6 MIL. IMPERMEABLE PLATE
OR LINER GRASSPAVE2 AT CONCRETE EDGE

NOTE; DUE TO LIMITED AMOUNT OF VEHICLULAR TRAFFIC CROSSING GRASSED COURTYARD, OWNER MAY ELECT TO DELETE GRASSPAVE STABILIZATION AND USE STANDARD SEEDING IN THIS AREA. GRASSPAVE2
 SYSTEM
 HYDROGROW MIX BELOW RING
 SUPPLIED FREE BY MANUFACTURER - CONCRETE SAND
(CLEAN, SHARP
SAND)
-1 BITUMINOUS WEARING
-20URSE BITUMINOUS BINDER
COURSE GRASSPAVE2 AT ASPHALT EDGE NOT TO SCALE



EarthCentric Engineering, Inc.

204 W. Clay Street Mebane, NC 27302 Phone: (919) 563-3041 Fax: (919) 304-3234 E-Mail: Phil.Koch@Earth

GARAGE II NORTH CAROLINA EXTRA
M COUNTY, ТНЕ Е снатнам

STORMWATER & GRASSPAVE 2 DETAILS

SHEET NO. 3.4