CLIENT

TURBOCAM INTERNATIONAL 607 CALEF HIGHWAY BARRINGTON, NH 03825

OWNER

TOWN OF BARRINGTON P.O. BOX 660 BARRINGTON, NH 03825

CIVIL ENGINEER EMANUEL ENGINEERING, INC.

118 PORTSMOUTH AVENUE, SUITE A202

LAND SURVEYOR & WETLANDS SCIENTIST

JONES & BEACH ENGINEERS, INC. 85 PORSMOUTH AVENUE STRATHAM, NH 03885

SOIL SCIENTIST

GOVE ENVIRONMENTAL SERVICES, INC. 8 CONTINENTAL DRIVE, BUILDING 2, UNIT H

PROJECT DRAWING SET:

SITE PLAN

NOTES

DETAILS

UTILITIES PLAN

SITE SPECIFIC SOILS & TOPOGRAPHY PLAN

TURNING TEMPLATE (WB-65 ENTERING SITE) TURNING TEMPLATE (WB-65 EXITING SITE)

GRADING & DRAINAGE PLAN

SUBSURFACE DISPOSAL SYSTEM

C1.1 & C1.2

C3

C6

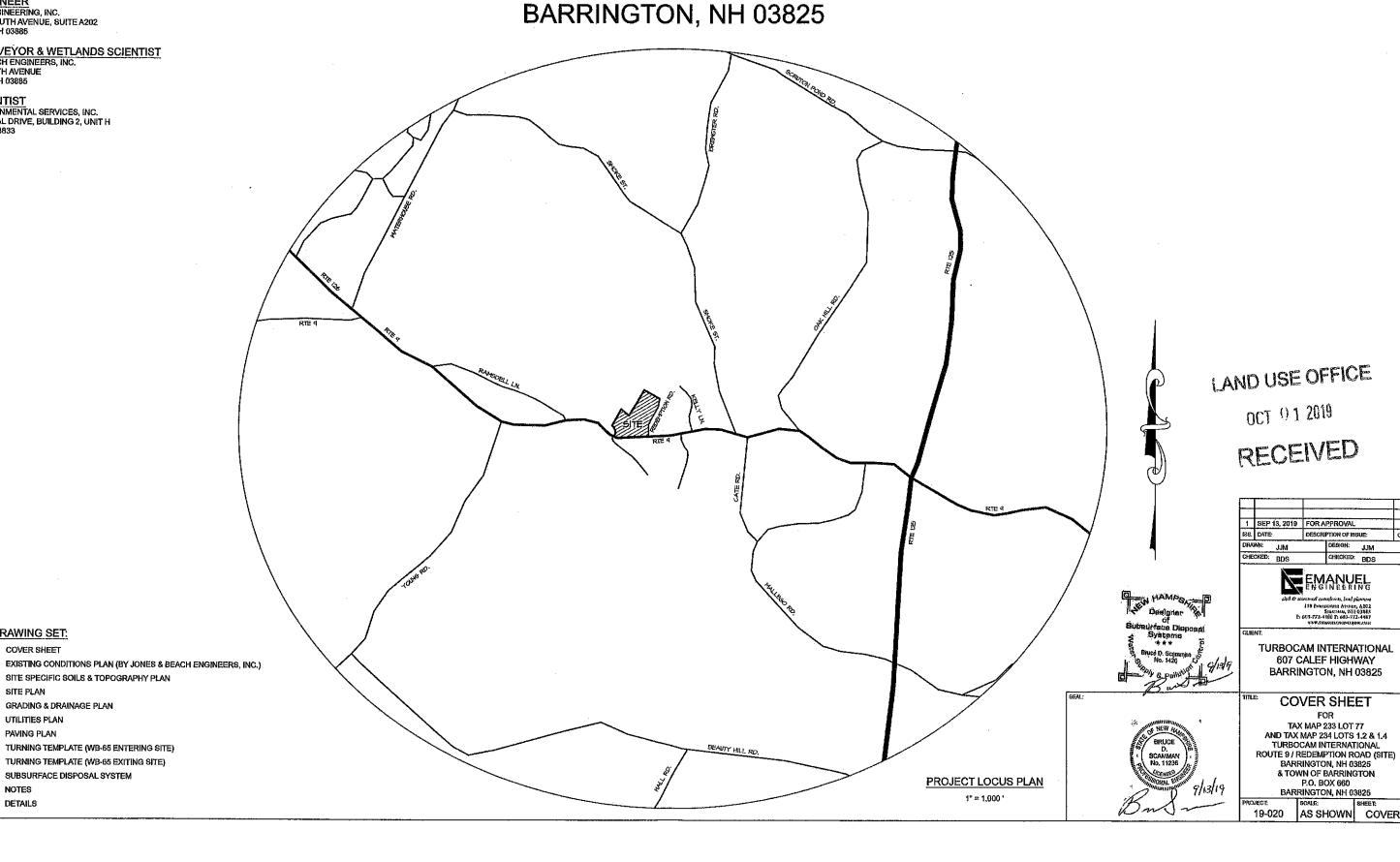
SD1

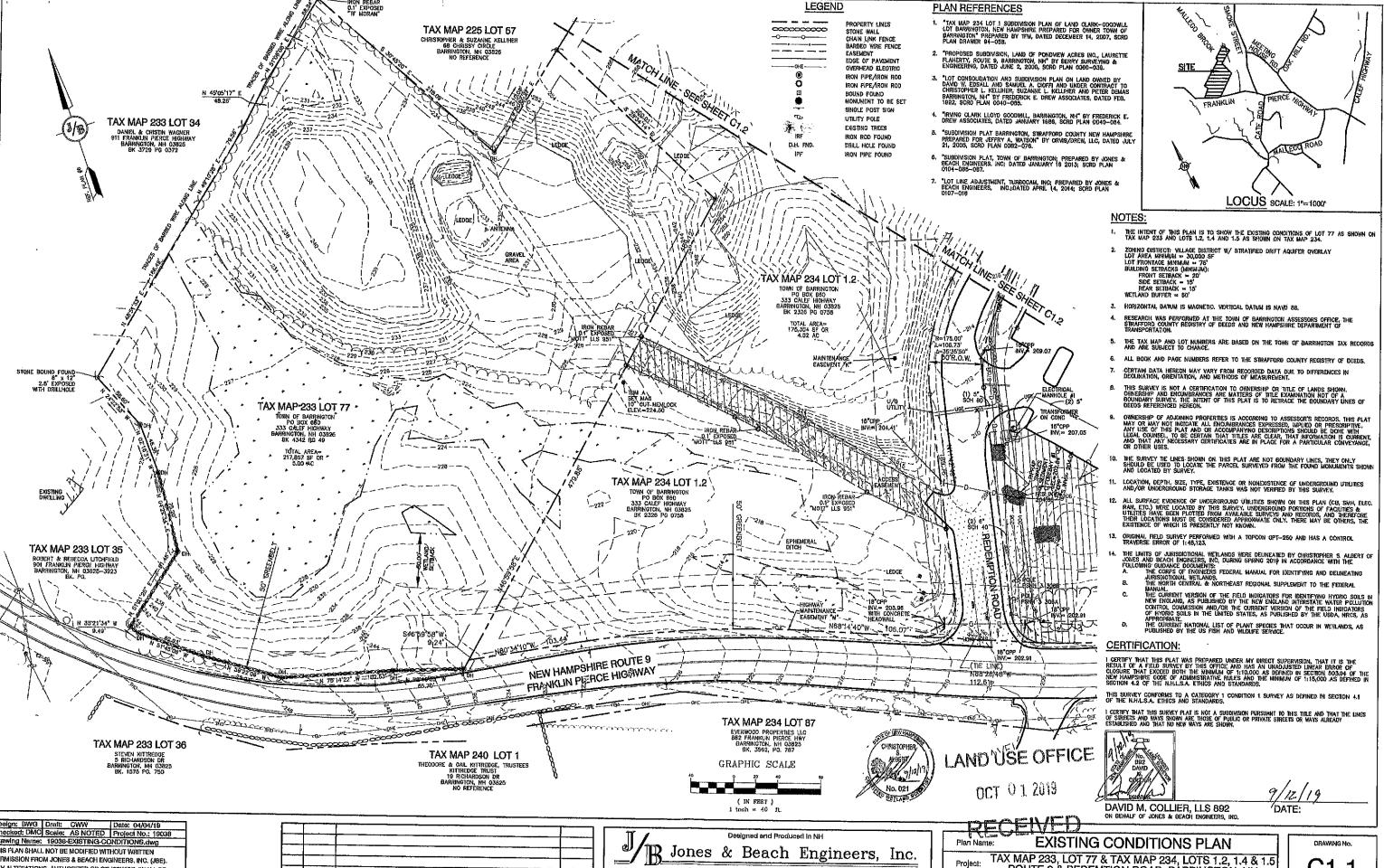
D1 & D2

D3 - D5

SITE PLAN FOR TURBOCAM INTERNATIONAL

BARRINGTON TAX MAP 233 LOT 77 AND TAX MAP 234 LOTS 1.2 & 1.4 **ROUTE 9 / REDEMPTION ROAD**





Drawing Name: 19038-EXISTING-CONDITIONS dwg THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN ERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.

0 9/10/19 ISSUED FOR REVIEW DMC REV. DATE REVISION

PO Box 219

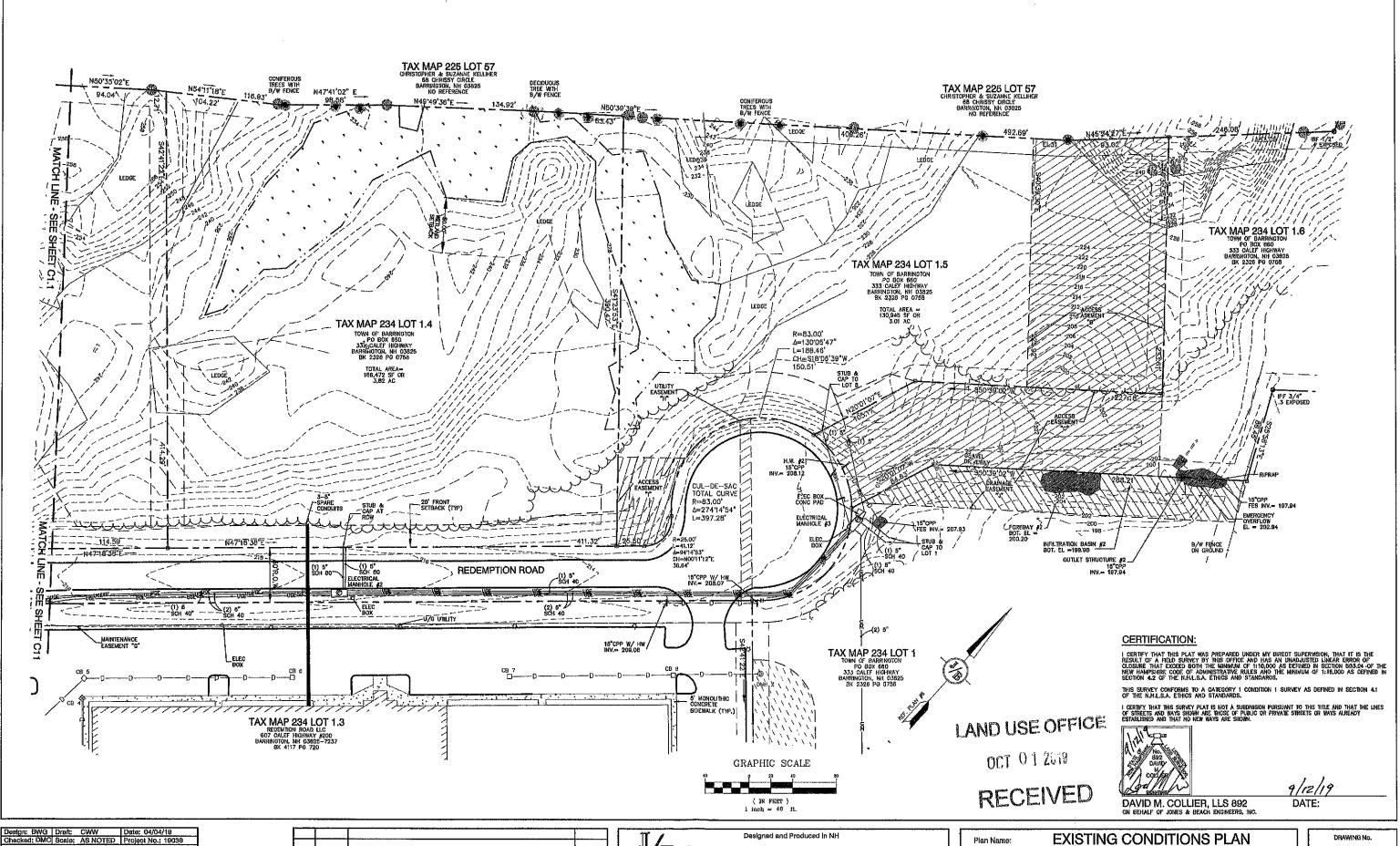
85 Portsmouth Ave. Civil Engineering Services

603-772-4746 PAX: 603-772-0227 E-MAIL: JBE@JONESANDBEACH.COM TAX MAP 233, LOT 77 & TAX MAP 234, LOTS 1.2, 1.4 & 1.5 ROUTE 9 & REDEMTION ROAD, BARRINGTON, NH

TOWN OF BARRINGTON PO BOX 860 333 CALEF HIGHWAY BARRINGTON, NH 03825 BK 2326 PG 0758 & BK 4342 PG 49 Owner of Record:

C1.1

SHEET 1.0F 2 JBE PROJECT NO. 19038



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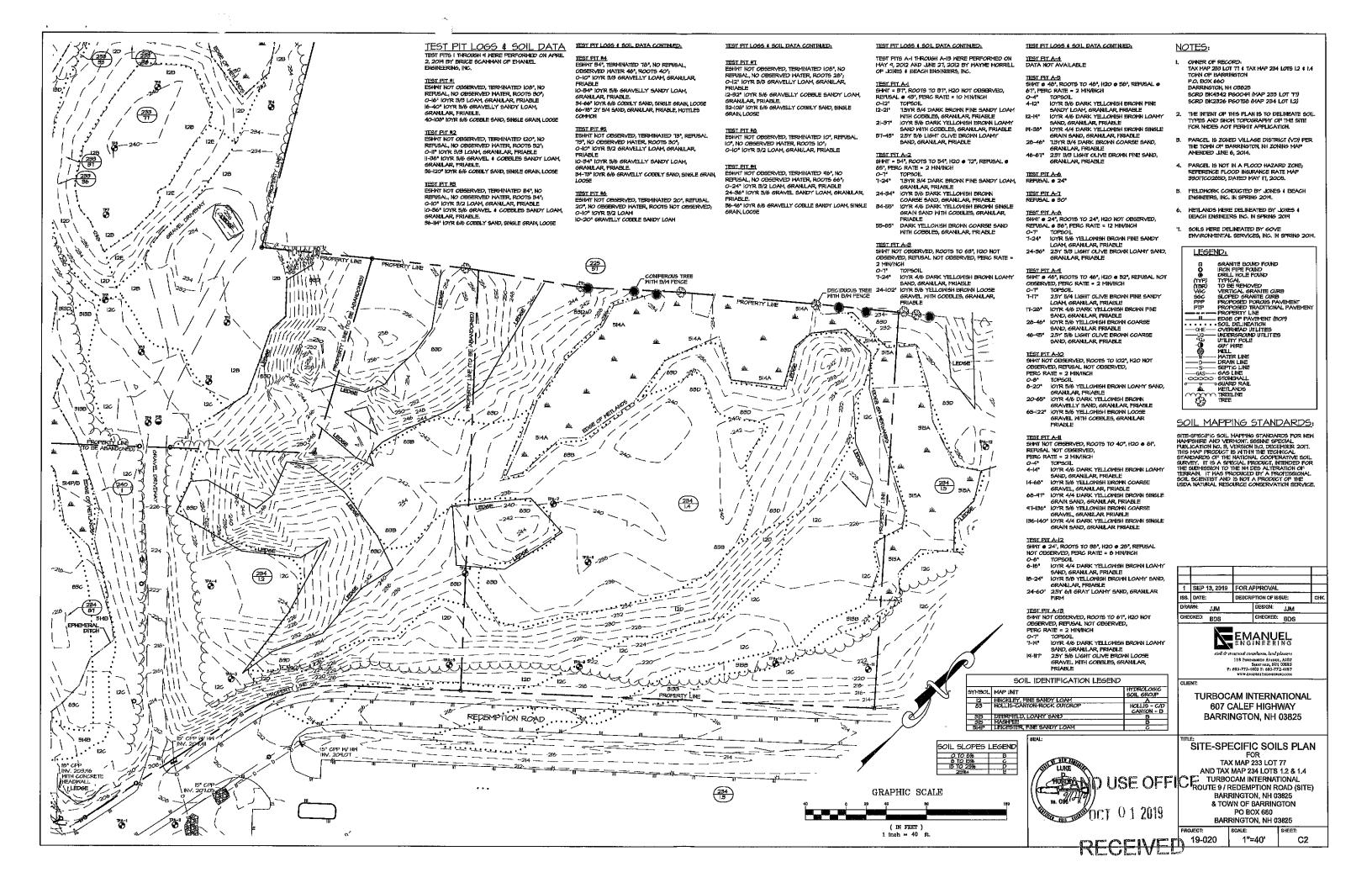
B Jones & Beach Engineers, Inc. 85 Portsmouth Ave. Civil Engineering Services PO Box 219 Stratham, NH 03885

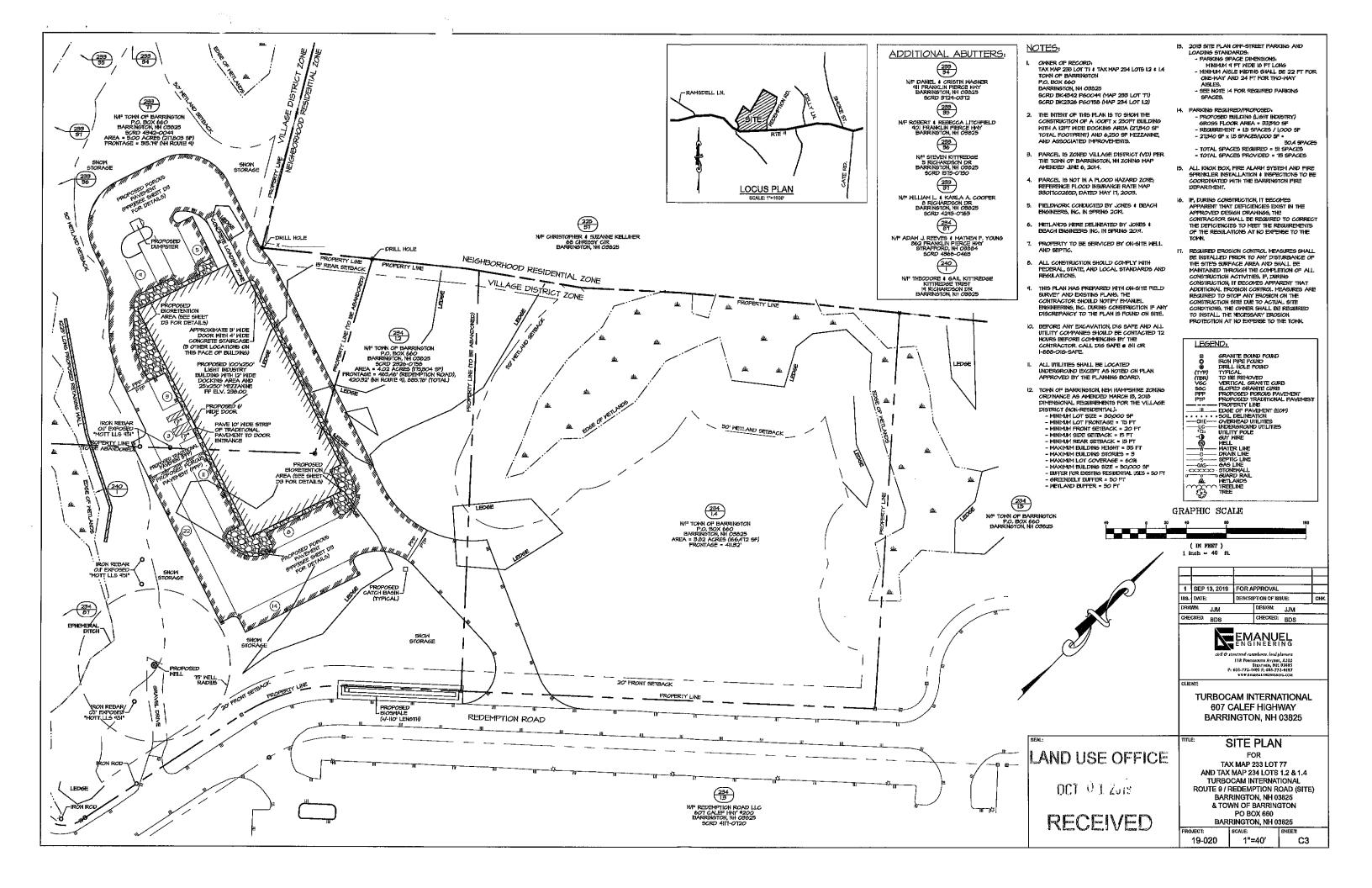
E-MAIL: JBE@JONESANDBEACH.COM

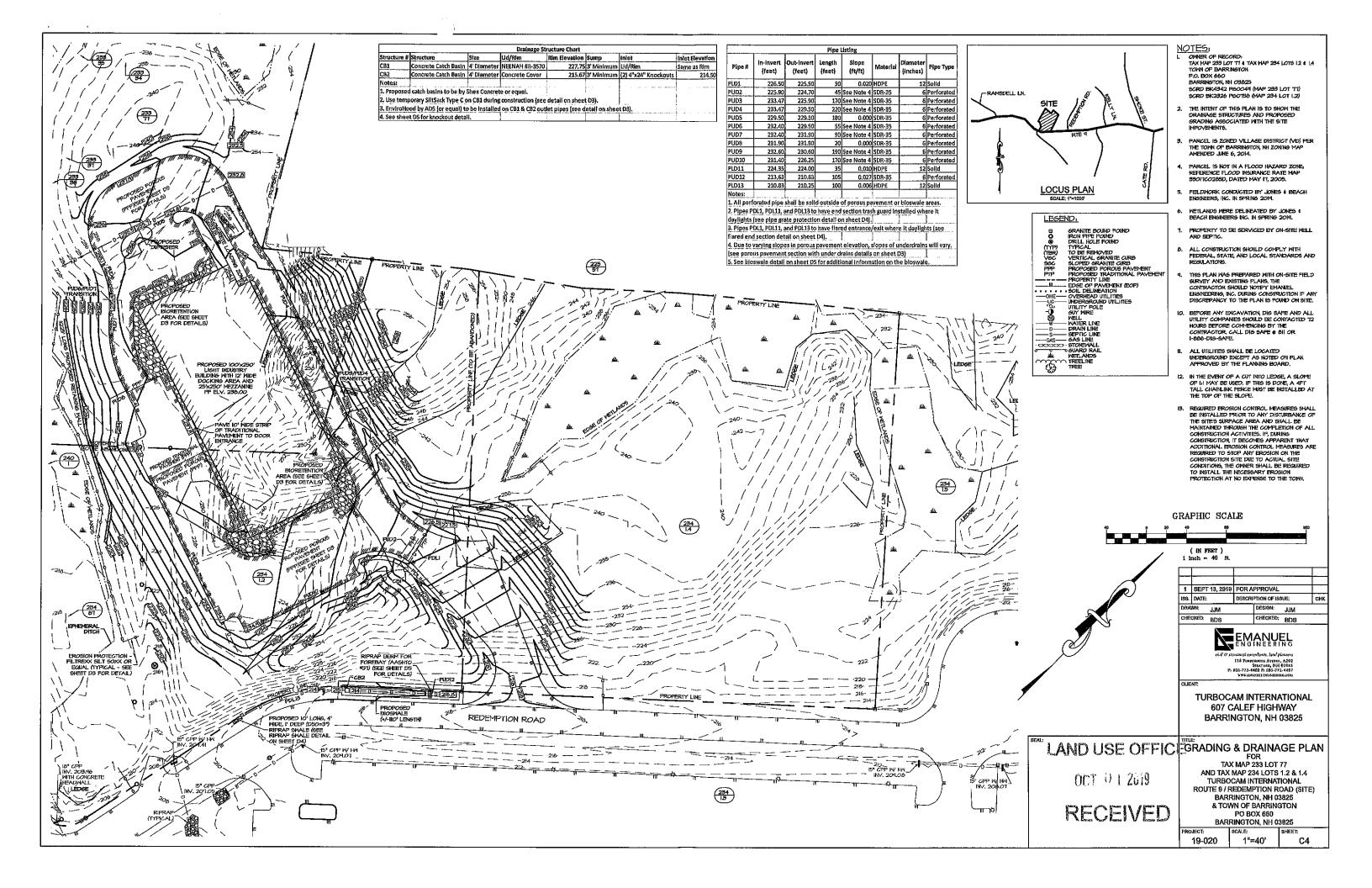
TAX MAP 233, LOT 77 & TAX MAP 234, LOTS 1.2, 1.4 & 1.5 ROUTE 9 & REDEMTION ROAD, BARRINGTON, NH

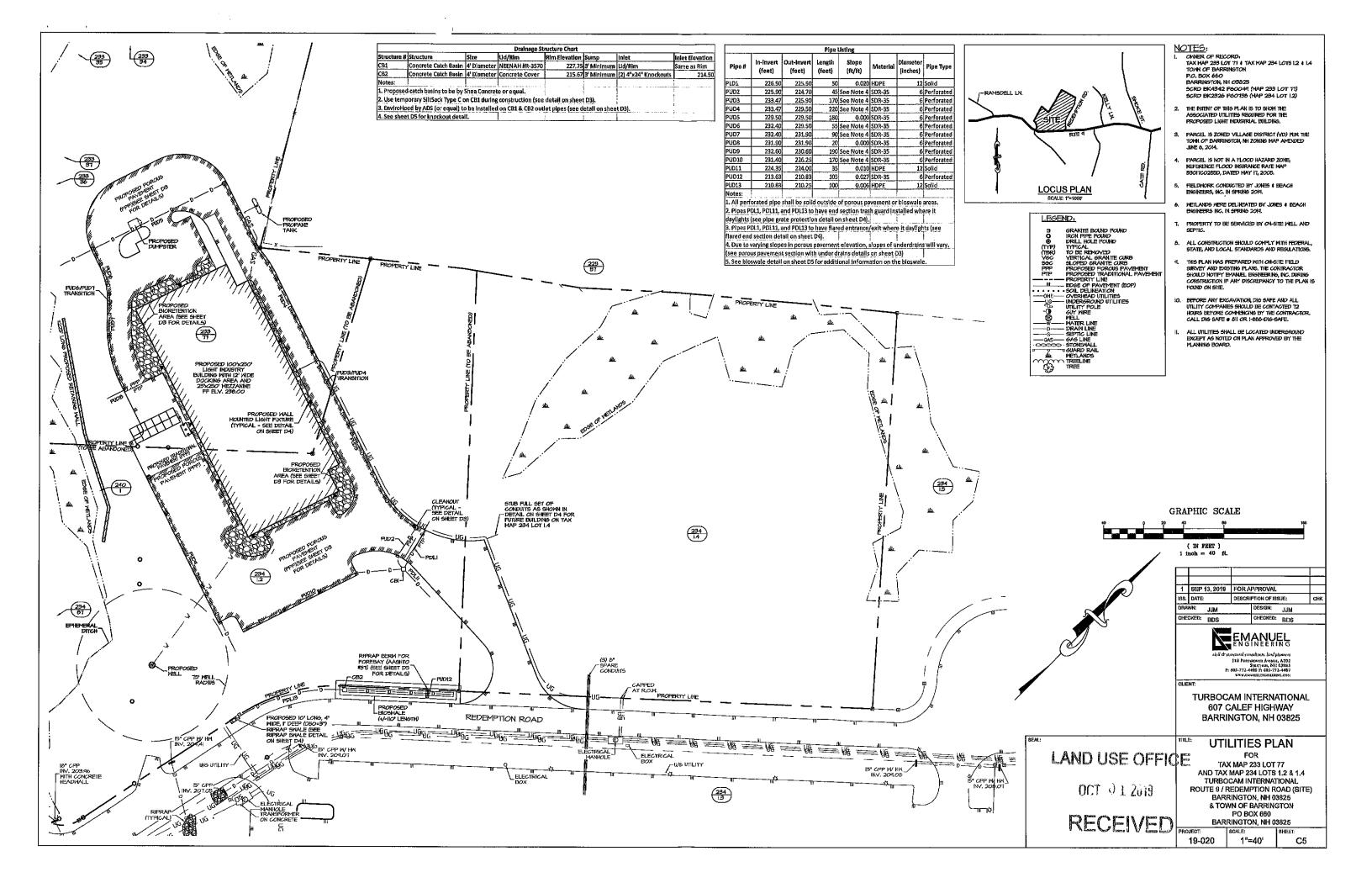
TOWN OF BARRINGTON
PD BOX 660 333 CALEF HIGHWAY BARRINGTON, NH 03825
BK 2326 PG 0758 & BK 4342 PG 49 Owner of Record:

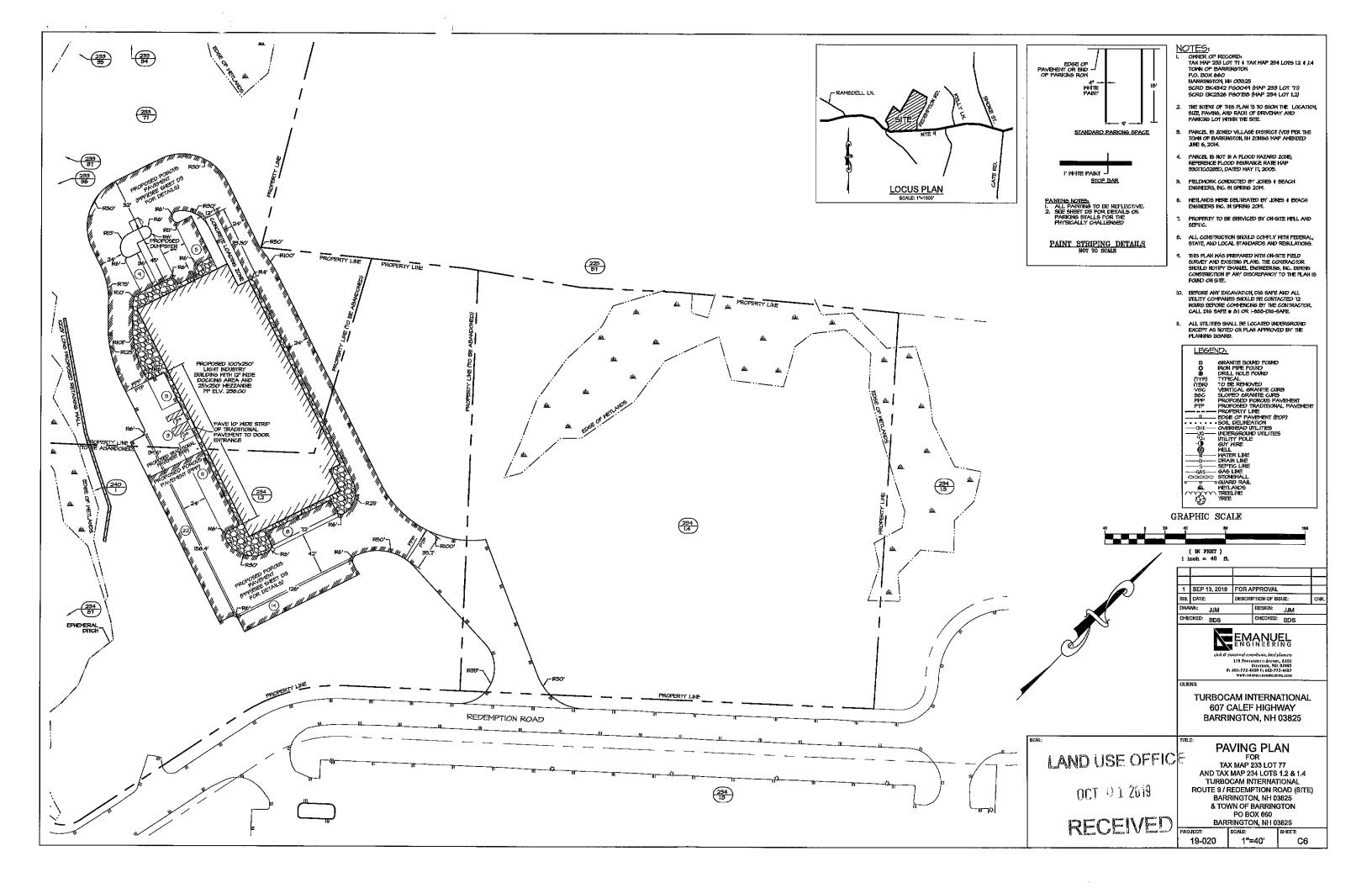
C1.2 SHEET 2 OF 2 JBE PROJECT NO. 18038

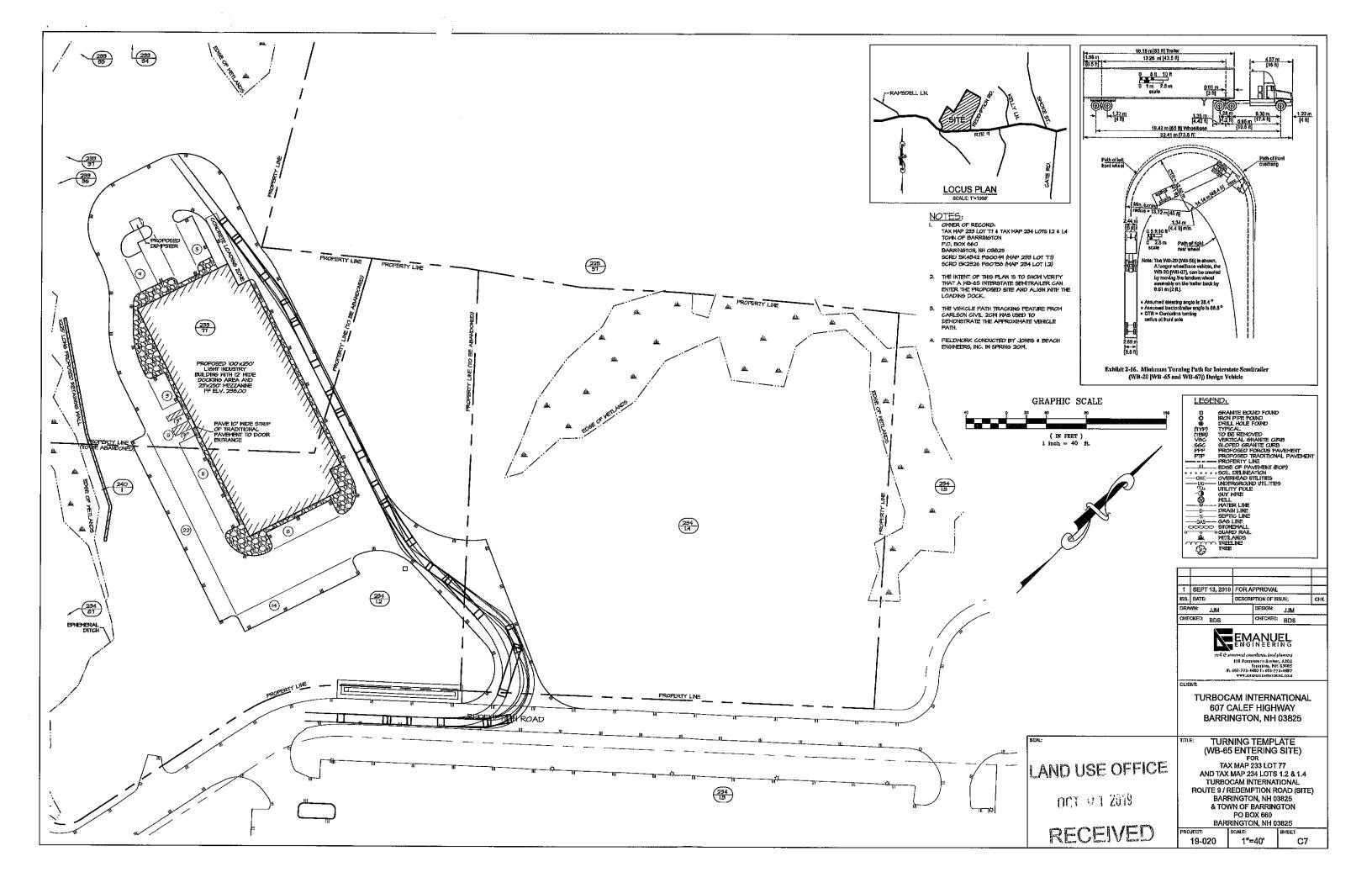


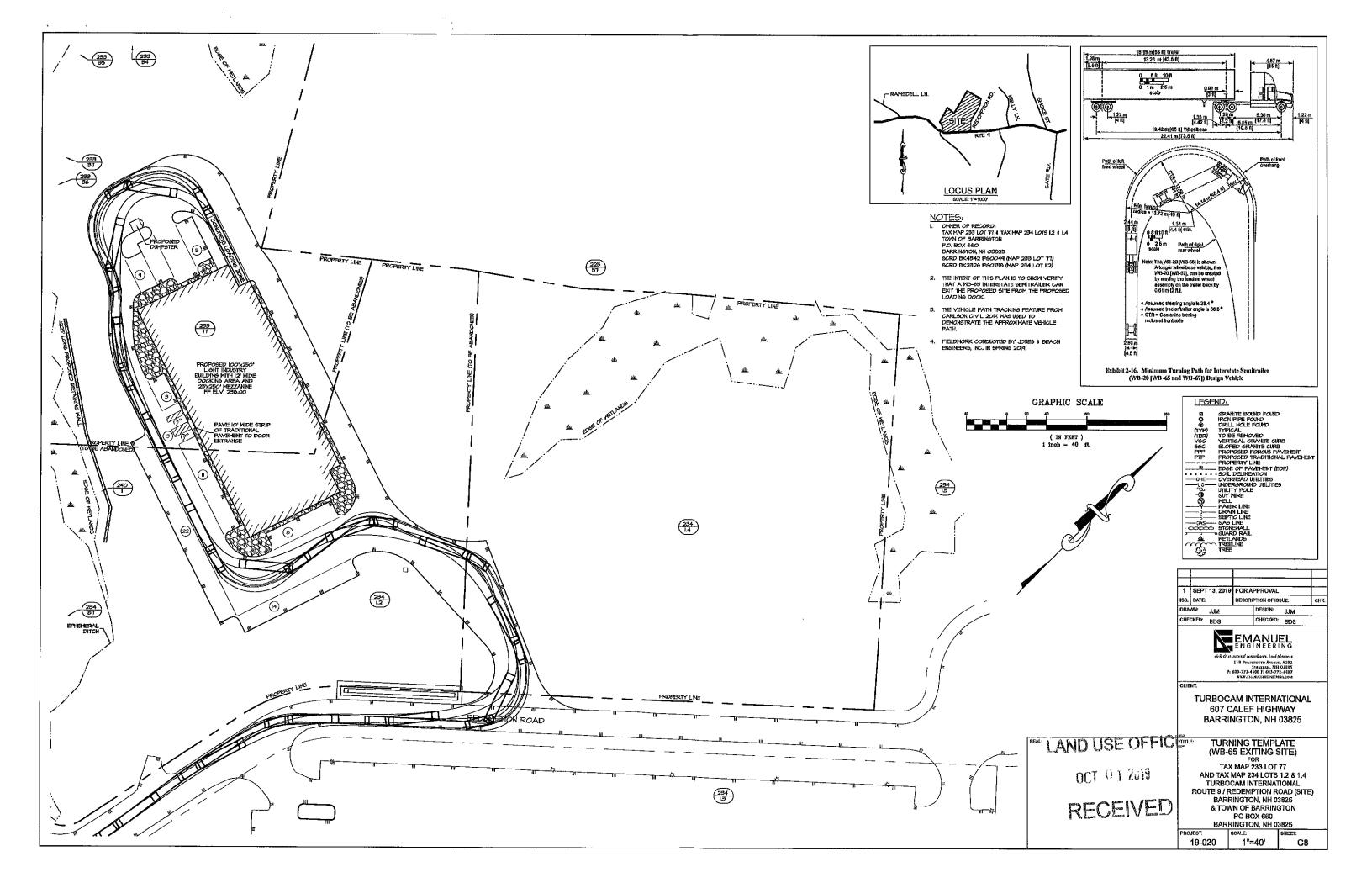


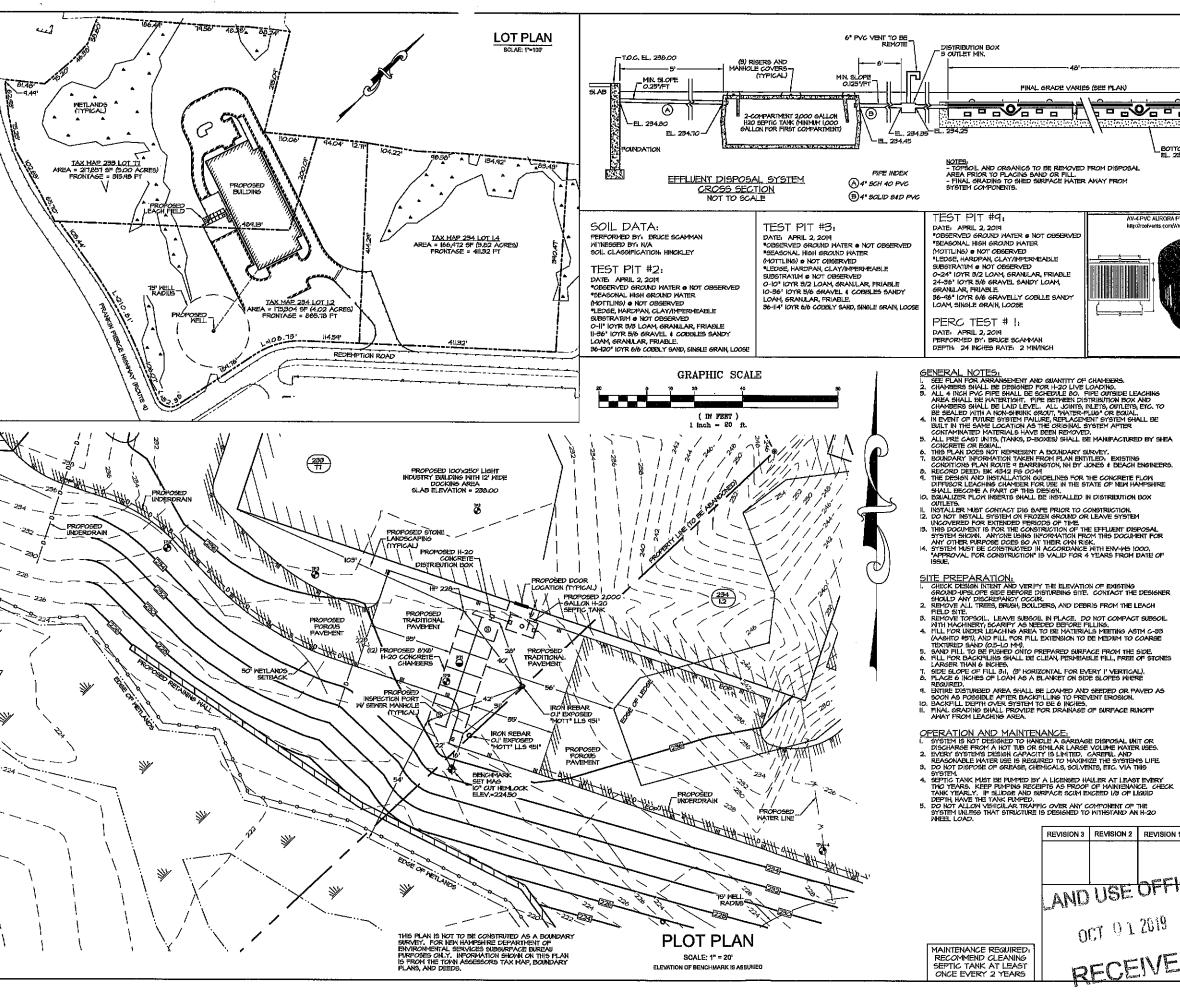












LOCATION:

(603) 664-4001

COUNTY STRAFFORD TOWN BARRINGTON
SUBDIVISION TITLE: "SUBDIVISION PLAN OF LAND
CLARK-GOODWILL LOT, BARRINGTON, NH"; DATED (2/14/07) NH SUBDIVISION APPROVAL NO. I N/A TAX MAPA.OT: MAP 293 LOT T1 4 MAP 294 LOT 1.2 DEED: (MAP 233, LOT TI) BK 4342 PG 0049 MAP 234, LOT I.2) BK 2326 PG 0758

TOWN OF BARRINGTON P.O. BOX BARRINGTON, NH 08625

SYSTEM DESIGN DATA:

BUILDING TYPE: 28,000 SP LIGHT INDUSTRIAL
SEMAGE LOAD: 42 EMPLOYEES x 10 GPD/PERSON = 420 GPD

GARDAGE MISPOLL INJECT TYPE OF CELLAR. NONE FOUNDATION DRAING, NO SEPTIC TANK SIZE, 2000 GAL., DISTRIBUTION BOX. B OUTLET MIN. LEACH BED REQUIRED 49115; AREA REQUIRED; 420 GPD x 125 SF/100 GPD = 525 SF

AREA PROVIDED. (12) 8' x 8' CONCRETE CHAMBERS = 768 SF CHAMBER LAYOUT: 2 WIDE BY 6 LONG

SEMAGE PUMPI NONE
DRINKING WATER, PROPOSED WELL
WELL INSTALLED PRIOR TO 1969, NO
NEAREST ABUTTING WELL; >> 75 FT AWAY

WETLAND SOILS: » 30 FT AMAY TO POORLY DRAINED SOIL
WETLAND SOILS: » 15 FT AMAY TO VERY POORLY DRAINED SOIL
NEAREST SURFACE WATER: » 15 FT AMAY

NEAREST LEDGE OUTCROP: 56 FEET AWAY (SEE TEST PIT DATA)

<u>DESIGN INTENT:</u>

LEACH BED BOTTOM TO BE INSTALLED NO LESS THAN 61 INCHES ABOVE ORIGINAL GRADE, ON THE UPSLOPE SIDE, TO MAINTAIN 4 FEET ABOVE THE SEASONAL HIGH WATER TABLE AND 4 FEET ABOVE LEDGE, HARDPAN OR IMPERMEABLE MATERIAL.

FINAL GRADE VARIES (SEE PLAN)

_BOTTOM OF SYSTEM EL. 233.15

SECTION (SEE DETAIL SHEETS)

SITE PREPARATION:

I. CHECK DESIGN INTENT AND VERIFY THE ELEVATION OF EXISTING GROWN-UPSLOTE SIDE BEFORE DISTURBING SITE. CONTACT THE DESIGNER SHOULD ANY DISECTEPANCY OCCUR.

2. REMOVE ALL TREES, BRUSH, BOULDERS, AND DEBRIS FROM THE LEACH BEILD A SUTE.

P. NACKE & INCHES OF LODGE OF SHALL BE LOAMED AND SEEDED OR PAVED AS SOON AS POSSIBLE AFTER BACKFILLING TO PREVENT EROSION.

 BACKFILL DETH OVER SYSTEM TO BE 6 INCHES.

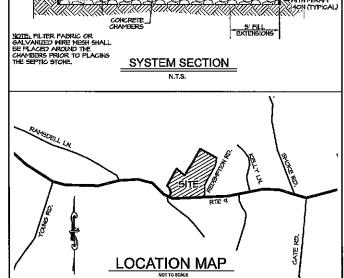
I. FINAL GRADING SHALL PROVIDE FOR DRAINAGE OF SURFACE RUNOFF AMAY FROM LEACHING AREA.

SYSTEM.

SPISTED TANK MIST BE PUMPED BY A LICENSED HAULER AT LEAST EVERY
TWO YEARS. KEEP PUMPING RECEIPTS AS PROOF OF MAINTENANCE. CHECK
TANK YEARLY, IF SILDOE AND SIMPACE SCAND PECCED IN OF LIGHID
DEPTH, HAVE THE TANK PUMPED.

DO NOT ALLOM VERHICLIAR TRAFFIC OVER ANY COMPONENT OF THE
SYSTEM UNLESS THAT STRICTURE IS DESIGNED TO MITHSTAND AN H-20
WHILE LOAD.

REVISION 3 REVISION 2 REVISION 1 AND USE OFFICE OCT () 7 5018 RECEIVED





civil & structural consultants, land planners 118 PORTSMOUTH AVENUE, A202 STRATHAM, NH 03885 P: 603-772-4400 F: 603-772-4487 WWW.EMANUELENGINEERING.COM

BDS - 09-13-19 I" = 20' 19-020

JJM - 09-13-19

JJM - 09-13-19

SUBSURFACE DISPOSAL SYSTEM

TURBOCAM INTERNATIONAL

ROUTE 9 / REDEMPTION ROAD (SITE) **BARRINGTON, NH 03825**

EROSION AND SEDIMENTATION CONTROL CONSTRUCTION PHASING AND SEQUENCING:

- I. SEE TEROSION AND SEDIMENTATION CONTROL GENERAL NOTES" WHICH ARE TO BE AN INTEGRAL
- 2. INSTALL SILT PENGING AND/OR HAY BALE ERS AS PER DETAILS AND AT SEDIMENT MIGRATION.
- 3. CONSTRUCT TREATMENT SWALES . LEVEL PREADERS AND DETENTION STRUCTURES AS
- A. INSTALL TEMPORARY GRAVEL CONSTRUCTION
- STRIP AND STOCKPILE TOPSOIL, STABILIZE PILES OF SOIL CONSTRUCTION MATERIAL.
- 6. ROUGH GRADE SITE, INSTALL CULVERTS AND
- 1. FINISH GRADE AND COMPACT SITE.
- RE-SPREAD AND ADD TOPSOIL TO ALL ROADSIDE SLOPES, TOTAL TOPSOIL THICKNESS TO BE A MINIMUM OF FOUR TO SIX INCHES.
- 4. STABILIZE ALL AREAS OF BARE SOIL WITH
- IO. RE-SEED PER EROSION AND SEDIMENTATION CONTROL GENERAL NOTES.
- II. SILT FENCING AND HAY BALES TO REMAIN AND BE MAINTAINED FOR TWENTY FOUR MONTHS AFTER CONSTRUCTION TO INSURE ESTABLISHMENT OF ADEQUATE SOIL STABILIZATION AND EGETATIVE COVER, ALL SILT FENCING, HAY BALES AND TRAPPED SILT ARE THEN TO BE EMOVED FROM THE SITE AND PROPERLY
- 12. PERIMETER CONTROLS SHALL BE INSTALLED PRIOR TO EARTH MOVING OPERATIONS
- 18. PONDS AND SWALES SHALL BE INSTALLED PARLY ON IN THE CONSTRUCTION SEQUENCE -REFORE ROUGH GRADING THE SITE
- 14. ALL DITCHES AND SMALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM
- 15. ALL ROADWAYS AND PARKING LOTS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADE.
- I6. ALL OUT AND FILL SLOPES SHALL BE SEEDED/LOAMED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
- 17. ALL EROSION CONTROLS SHALL BE INSPECTED

WINTER CONSTRUCTION NOTES (OCTOBER |5 TO MAY I):

- NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR MINICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN BIL AND SEEDING AND PLACING B TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE, THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND NO SHALL BE COMPETED IN ADVANCE OF THAM
- 2. ALL DITCHES OR SMALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE SROWTH BY OCTOBER ISTH, OR WHICH ARE DISTURBED APTER OCTOBER ISTH, SHALL BE STABILIZED MPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE
- 3. AFTER OCTOBER 15TH, INCOMPLETE ROAD OR FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF CRUSHED

GRASS SWALE MAINTENANCE:

- I. TIMELY MAINTENANCE IS IMPORTANT TO KEEP THE VEGETATION IN THE SWALE IN GOOD CONDITION MOVING SHOULD BE DONE FREQUENTLY ENOUGH TO KEEP THE VEGETATION IN VIGOROUS CONDITION AND TO CONTROL ENCROACHMENT OF WEEDS AND MOODY VESETATION, HOWEVER, IT SHOULD NOT BE MOWED TOO CLOSELY SO AS TO REDUCE THE FILTERING EFFECT. FERTILIZE ON AN "AS NEEDED" BASIS TO KEEP THE GRASS HEALTHY OVER
- 2. THE SWALE SHOULD BE INSPECTED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE THE CONDITION OF THE SWALE, RILLS AND

EROSION AND SEDIMENTATION CONTROL GENERAL NOTES:

- CONDICT ALL CONSTRUCTION IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE PHYSICAL ENVIRONMENT, BUT IN NO CASE SHALL EXCESS A CAPES AT ANY, ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES IN THE PLAN SHALL MEET THE DESIGN BASED ON NEW HAMPSHIRE STORMATER MANJAL, VOLIMES I.S. DATED DECEMBER 2008, PREPARED BY NHOES.
- AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE POLLOWING HAS OCCURRED.
 BASE COURSE GRAVELS HAVE BEEN INSTALLED.
- IN AREAS TO BE PAYED. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED.
- A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP RAP HAS BEEN
- EROSION CONTROL BLANKETS HAVE BEEN
- 4. ALL AREAS SHALL BE STABILIZED WITHIN 45. DAYS OF INITIAL DISTURBANCE.
- 5. SEE MINTER CONSTRUCTION NOTES IF SCHEDULE AND DATES ARE APPLICABLE.
- 6. ALL DITCHES, SMALES AND PONDS MUST BE STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
- 7. ALL GROUND AREAS OPENED UP FOR CONSTRUCTION WILL BE STABILIZED IN THE SHORTEST PRACTICAL TIME. ALL SOILS FINISH GRADED MUST BE STABILIZED WITHIN SEVENT
- 8. EMPLOY TEMPORARY EROSION AND STABILIZATION HAS BEEN ASSURED,
 STABILIZATION HAS BEEN ASSURED,
 STABILIZATION HAS BEEN ASSURED,
- 9. TEMPORARY & LONG TERM SEEDING, USE SEED MIXTURES, FERTILIZER, LIME AND MULCHING AS RECOMMENDED (SEE SEEDING AND STABILIZATION MOTER). STABILIZATION NOTES).
- IO. STRAM OR HAY BALE BARRIERS AND SILITATION FENCING TO BE SECURELY EMBEDDED AND STAKED AS DEFAULD, MEERLEMER POSSIBLE A VEGETATED STRIP OF AT LEAST THEMTY FIVE PIECT IS TO BE KEPT BETHEEN SILT FENCE AND
- II. SEEDED AREAS WILL BE FERTILIZED AND
- 12. SEDIMENT BASIN(S), IF REQUIRED, TO BE CHECKED AFTER EACH SIGNIFICANT RAINFALL AND CLEANED AS NEEDED TO RETAIN DESIGN
- 13. STRAM BALE AND/OR SILT FENCE BARRIERS WILL BE CHECKED REGULARLY AND AFTER EACH SIGNIFICANT RAINFALL, NECESSARY REPAIRS WILL BE MADE TO CORRECT UNDERN ORATION OF THE BARRIER AS NELL AS CLEANING REMOVAL AND PROPER DISPOSAL
- 14. TREATMENT SWALES WILL BE CHECKED WEEKLY AND REPAIRED WHEN NECESSARY UNTIL ADEQUATE VEGETATIVE COVER HAS BEEN
- IS, THE PROJECT IS TO BE MANAGED IN A MANNER THAT MEETS THE REQUIREMENTS AND INTENT OF RSA 430.53 AND CHAPTER ASR 3000 RELATIVE TO INVARIANCE FOR
- TEMPORARY WATER DIVERSION (SWALES, BASINS, ETC.) MIST BE USED AS NECESSARY UNTIL AREAS ARE STABILIZED. SEEDING AND STABILIZATION FOR LOAMED SITE
- FOR TEMPORARY & LONG TERM SEEDINGS (BY SEPTEMBER IS OF THE SAME YEAR OF DISTURBANCE) USE AGMAY'S SOIL CONSERVATION GRASS SEED OR EQUAL
- 2. COMPONENTS: ANNUAL RYE GRASS, PERENNIAL RYE GRASS, WHITE CLOVER, 2 FESCUES, SEED AT A RATE OF IOO POUNDS PER ACRE.
- 3. FERTILIZER & LIME: NITROGEN (N) 50 I BS/ACRP, PHOSPHATE (P205) IOO LBS/ACRE, POTASH (K20) IOO LBS/ACRE, LIME 2000 LBS/ACRE.
- 4. MULCH, HAY OR STRAW 15-2 TONS/ACRE
- GRADING AND SHAPING: SLOPES SHALL NOT BE STEEPER THAN 2-1, 5-1 SLOPES OR FLATTER ARE PRIFFERRED, WHERE MOVING MILL BE DONE, 5-1 SLOPES OR FLATTER ARE RECOMMENDED.
- SEED BED PREPARATION
 SURFACE AND SEEPAGE WATER SHOULD BE
 DRAINED OR DIVERTED FROM THE SITE TO
 PREVENT DROWNING OR WINTER KILLING OF THE PREVIOUS DECOMING OR VANIER RILLING OF THE PLANTS.

 - STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERS WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA, MEMER FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 (NOTES TO PREPARE A SEEDINED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDINED SHOULD BE LEFT IN A REASONAULT FIRM AND SHOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PREFORMED A CROSS IT HE SLOPE SHOULD BE PREFORMED.

SHOULD BE PERFORMED ACROSS THE SLOPE WEREVER PRACTICAL.

STABILIZATION CONSTRUCTION ENTRANCE SPECIFICATIONS:

- ENTRANCE SHALL BE 3 INCH STONE (MINIMUM), RECLAIMED STONE, OR RECYCLED CONCRETE
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 115 FEET (OR 50 FEET MITH A B TO 6 INCH MOUNTABLE BERM), EXCEPT FOR A SINGLE RESIDENTIAL LOT WHERE A BO
- THE THICKNESS OF THE STONE FOR THE STABILIZATION ENTRANCE SHALL NOT BE LESS
- THE WIDTH OF THE ENTRANCE SHALL NOT BE LESS THAN THE FULL WIDTH OF THE ENTRANCE
- B. GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE, FILTER CLOTH IS NOT REGUIRED FOR A
- 6. ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARDS THE COMBTRUCTION ENTRANCE SHALL BE PIPED BENEACH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH SI IS COPES THAT CAN BE CASSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE BRITRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLONING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-MAY, THIS MAY REQUIRE PERIODIC TOP DRESSINS OF ADDITIONAL STONE AS CONDITIONS DEMAND. AND REPARK AND/OR CLEANOUT OF ANY MEASURES USED TO TRAPSEDIMENT, ALL SEDIMENT SPILLED, MASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-MAY MUST BE REMOVED PROMETLY.
- WHEBLS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRAICE ONTO PUBLIC RIGHTS-OF-HAY, MEEN MASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

FILTREXX LAND IMPROVEMENT SYSTEMS INSPECTION # MAINTENANCE:

- CONSULT FILTREXX SMPP OUT SHEETS FOR ALL FILTREXX PRODUCTS PRIOR TO INSTALLATION AND FOR MAINTENANCE GUIDELINES HTTP://WWW.FILTREXX.COM/DESIGN_CUT_SHEETS.HTM
- 2. ROUTINE INSPECTION SHOULD BE CONDUCTED MITHIN 24 HRS OF A RUNOFF EVENT OR AS DESIGNATED BY THE REGULATING AUTHORITY. WINTS SHOULD BE REGULARLY INSPECTED TO MAKE SURE THEY MAINTAIN THEIR SHAPE AND ARE PRODUCING ADEQUATE HYDRAULIC FLOW-THROUGH, DITCH/CHANNEL FROSION CONTROL, AND SEDIMENT REMOVAL.
- IF PONDING BECOMES EXCESSIVE, ADDITIONAL CHECK DAMS, LEVEL SPREADERS, OR SEDIMENT CONTROL UNITS FOR SEDIMENT REMOVAL MAY
- SEDIMENT ACCUMULATION SHOULD BE REMOVED ONCE IT REACHES THE HEIGHT OF THE CHECK DAM OR UNIT. ALTERNATIVELY, ANOTHER WITMAY BE INSTALLED SLIGHTLY UPSLOPE, ON TOP OF THE EXISTING ONE. THIS PROCESS IS NO CONSIDERED A SOIL DISTURBING ACTIVITY.
- STORM DEBRIS ACCUMA ATION BEHIND CHECK STORM PEBRIS ACCUMULATION BEHIND CHECK DAMS, LEVAL SPREADER, SEDIMENT CONTROL WIT, ETC. SHOULD NEVER BE HIGHER THAN THE SIDES OF THE CHECK DAVAINT, STORM BUNGHE OVERFLOM SHALL MAINTAIN THE WITTS IN A FUNCTIONAL CONDITION AT ALL TIMES AND IT SHALL BE ROUTINELY INSPECTED.
- IF A UNIT HAS BEEN DAMAGED, IT SHALL BE REPAIRED, OR REPLACED IF BEYOND REPAIR.
- 7. THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE IPSLOPE SIDE OF UNITS WHEN ACCUMULATION NAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SOXX, OR AS DIRECTED BY THE ENGINEER.
- AS AN ALTERNATIVE, ANOTHER SOXX UNIT MAY DE INSTALLED ADJACENT AND PARALLEL TO THE UPSLOPE SIDE OF THE ORIGINAL TO INCREASE SEINHENT STORAGE CAPACITY. SOXX SEDIMENT BACKUP IN CENTER OF THE DISTURVANCES CANNOT DESIGN DITCH/CHANNEL SHALL REMAIN LOWER THAN THE
- 4. IF SOXX UNIT DECOMES CLOSGED WITH DEBRIS AND SEDIMENT, IMMEDIATE REMOVAL OF DEBRIS AND SEDIMENT SHOULD BE CONDUCTED TO ASSURE PROPER DRAINAGE AND WATER FLOW THROUGH THE DITCH OR CHANNEL, STO RUNOFF OVERFLOW OF THE SOXX UNIT IS
- O. SOXX UNITS SHALL BE MAINTAINED UNTIL DISTURBED AREA AROUND THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS CEASED.
- 11. THE FILTERMEDIATM MAY BE DISPERSED ON SITE ONCE DISTURBED AREA HAS PERMANENTLY STABILIZED, CONSTRUCTION ACTIVITY CEASED, OR DETERMINED BY THE ENGINEER.
- 12. PERMANENT VEGETATED FILTER STRIPS WILL BE

SECTION I- GENERAL (POROUS

- ASPHALT PAVEMENTS)

 LOT SUBHITTALS

 A THE CONTRACTORS SHALL SUBMIT TO THE SUPERVISIONY SHOUNDER THE PROPOSED SOURCE AND GIALLIFICATIONS OF THE PROPOSED SOURCE SOUR
- ASPIRALT AT LEAST 14 DAYS IN ADVANCE OF ANTICIPATED PAVING DATE.

 3. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE PROPOSED INSTALLER GUALIFICATIONS AT LEAST 14 DAYS IN ADVANCE OF ANTICIPATED PAVING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE CONTRACTORS PROPOSED CONSTRUCTION PHASING PLAN AT THE LEAST 14 DAYS IN ADVANCE OF MOBILIZING TO THE SITE FOR CONSTRUCTION INPOATES TO THE CONTRACTORS PROPOSED. THE CONSTRUCTION INPOATES TO THE CONSTRUCTION PHASING PLAN AT LEAST 40 HOURS IN ADVANCE OF THE WEET AT LEAST 40 HOURS IN ADVANCE OF THE WEET AND SHALL CONTAIN THE ELEMENTS AS DETAILED MITHIN THE SECTION AND DRAMINGS.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE PROPOSED THIRD PARTY GUALITY CONTROL. FIRM TO CONDUCT THIRD PARTY GUALITY CONTROL. PRINT TO CONTROL THE ASPIALL THOT MIX PLANT PRODUCTION AT LEAST 14 DAYS IN ADVANCE OF ANTICIPATED PAVING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE GUALITY CONTROL FOR THE CONTROL PAYS IN ADVANCE OF ANTICIPATED PAYING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE GUALITY CONTROL FOR THE GUALITY CONTROL PAYING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE GUALITY CONTROL PROVING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE GUALITY CONTROL PROVING DATE.

 1. THE CONTRACTOR SHALL SUBMIT TO THE SUPPRIVISORY ENGINEER THE GUALITY CONTROL PAYING DATE.

 2. GUAL PROVING ASSENTING THE ANTICIPATED PAYING DATE.
- LOZ QUALIFICATIONS
- GUALIPICATION THE PORCUS ASPHALT SHALL BE SUPPLIED FROM A HOT MIX MATERIAL PROVIDER THAT HAS THE FOLLOWINS MINIMM GUALIFICATIONS I. SHALL HAVE SUCCESFILLY PRODUCED A

- HAS THE FOLLOWING MINIMM GUALIFICATIONS.

 1. SHALL HAVE SUCCESSFILLY PRODUCED A
 MINIMM OF THREE (8) POROUS ASPHALT
 PAVING JOBS IN THE PAST FIVE (8) YEARS,

 2. CAPABLE OF PRODUCING POROUS ASPHALT
 WITH A PGT6-20 BIDDER, MIDDER IND
 CIRCUMSTANCES IS A PGAD 64-20.

 3. CAPABLE OF PRODUCING THE MATERIALS
 TESTING FOR GUALITY CONTROL AS
 DOCUMENTS THE MATERIALS
 TESTING FOR GUALITY CONTROL AS
 DOCUMENTS THE SINCE OF THE PLANTS'
 AUTHORIZED REPRESENTATIVE, AND

 5. CAPABLE OF PROVIDING THE PLANTS'
 AUTHORIZED REPRESENTATIVE, AND

 6. CAPABLE OF PROVIDING THE PLANTS'
 AUTHORIZED REPRESENTATIVE, AND

 7. CAPABLE OF PROVIDING THE PLANTS'
 AUTHORIZED REPRESENTATIVE, AND

 8. CAPABLE OF PROVIDING THE PLANTS'
 AUTHORIZED REPRESENTATIVE, AND

 9. CAPABLE OF PROVIDING THE POST RECENT
 ANNUAL PLANT SCALE TESTING
 DOCUMENTATION.

 9. THE POST POST AS ASPHALT THE POLICY (S) YEARS,
 2. PROVIDE A SHE SHERINENDENT THAT HILL
 BE ON-SITE DIRENTS THE PROVIDE (S) YEARS,
 2. PROVIDE A SHE SHERINENDENT THAT HILL
 BE ON-SITE DIRENTS THE PROVIDE (S) YEARS,
 2. PROVIDE A SHE SHERINENDENT THAT HILL
 BE ON-SITE DIRENTS THE PROVIDE (S) YEARS,
 3. TRANSPORTATION, AND SHIPPING
- 1.03 TRANSPORTATION AND SHIPPING
 A POROUS ASPHALT MATERIALS SHALL BE
 TRANSPORTED TO THE SHE SUCH THAT THE
 TEMPERATURE OF THE ASPHALT AT THE TIME OF
 DISCHARGE FROM THE HALL VEHICLE SHALL BE
 AS PER SECTION IV 3.05 E TEMPERATURE
 REGULERENTS, INLES OTHERWISE SPECIFIED
 BY THE HOT MIX PLANT AND APPROVED BY THE
 SUPERALOROPY ENAUGH AND APPROVED BY THE
- 4 ENVIRONMENTAL CONDITIONS 1. THE ASPHALT PAVING CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY ERCOION AND SEDIMENT CONTROLS THAT ARE DAMAGED
- AND SEDIMENT CONTROLS THAT ARE DAMAGED FROM PAYING ACTIVITIES.

 B. WASTE GENERATED DURING ASPHALT PAYING SHALL BE PROPERLY DISPOSED OF ACCORDING TO THE PROJECT SPECIFICATIONS AND LOCAL STATE, AND FEDERAL REGULATIONS.

 G. ASPHALT HALL TRICKS SHALL EXIT THE SITE THROUGH THE DESIGNATED STABILIZED CONSTRUCTION ENTRANCE TO PREVENT TRACK OUT.
- I.O5 SCHEDULE FOR CONSTRUCTION DATES A AFTER MAY IS OR THE DATE OF ASPHALT PLANT OPENING UNIT. DECEMBER I OR THE DATE OF ASPHALT PLANT CLOSURE OR PER APPROVAL OF SUPERVISING INSINEER.
- LOR REGUIREMENTS FOR CONSTRUCTION PHASHIS
 A CONSTRUCTION PHASHIS, ESCALENCING AND
 EISINEEMING OVERSIGHT IS REGUIRED TO
 EISINEETHE SUCCESSFUL PRODUCTION
 INSTALLATION, AND LONG-TERM PREPORMANCE
 OF POROUS PAVENEST SYSTEMS, PROPER
 COORDINATION OF THESE PROCEDURES WITH
 THE CONTRACTOR AND INSPECTION OF THE
 PAVENEST SUBSPACE DURING CONSTRUCTION IS
 CRITICAL TO PROVIDE ACCESS AND PREVENT
 DANAGE TO PROBUS PAVENEST SYSTEM
 COMPONENTS, TEMPORARY CONSTRUCTION
 METHODS AND PHASHIS CONSIDERATIONS
 ACCOUNT FOR THE INSCESSARY USE OF LARGE
 CONSTRUCTION THE INSCESSARY USE OF LARGE
 CONSTRUCTION EQUIPMENT OVER THE POROUS ACCOUNT FOR THE NECESSARY USE OF LARGE CONSTRUCTION EQUIPMENT OVER THE POROUS PAYERS THE LAYERS WHILE MAINTAINING ITS STRUCTURAL INTERITY AND INFLITANTIVE CAPACITY. THE CONTRACTOR'S CONSTRUCTION PHASING SEQUENCE FLAN BYALL INCLUDE PROTECTIVE AND CORRECTIVE ACTIONS PETALLED BELOW FOR EXPECTED INFACTS THE TOO BEST OF THE PROPERTY OF THE PAYER OF THE PLANNED SICH THAT NO CONSTRUCTION THE PLANNED SICH THAT NO CONSTRUCTION TO TRAFFIC IS PERMITTED ON A CONFIDENCIAL OF THE PROPERTY OF THE PROPER
- PLANNED SICH THAT NO CONSTRUCTION TRAFFIC IS PERMITTED ON A COMPLETED POROUS ASPHALT NEARING COURSE SURFACE AREA CONSTRUCTION TRAFFIC IS PERMITTED ON THE TEMPORARY CONSTRUCTION ROAD, SUBGRADE AND ON THE SUBBAGE DURING PREPARATION. THE USE OF A TEMPORARY POROUS ASPHALT CONSTRUCTION TRAFFIC TO PROCEED MITH PHASES COMPLETION TRAFFIC TO PROCEED MITH PHASES COMPLETION NOT CLOSURE OF AREAS, INFLITRATION BEDS WILL NEED TO BE PROCEED FROM BEDSION AND SEMBRITATION AND SEMBRITATION AND SEMBRITATION SET PROCEED FROM BEDSION AND SEMBRITATION OF AREAS, INFLITRATION BEDS WILL NEED TO BE PROCEED FROM BEDSION AND SEMBRITATION OF A CONTROLLED THE PROSING PLANTING SECONDARY OF THE PROPERTY OF THE PROSING PLANTING IS COMPLETED. THE PROSING PLANTING PLANTING PLANTING PROSING PLANTING PLANTING PLANTING PROSING PLANTING PLANTING PLANTING PROSING PLANTING PLANTING PLANTING PLANTING PLANTING PROMISED PROMISED PLANTING PROMISED PROSING PLANTING PROMISED PROMI

- C. THE CONTRACTOR SHALL INCLUDE THE BLEVENTS OF THIS PHASINS IN THE CONTRACTOR'S CONSTRUCTION PHASING PLAN I. CONTRACTOR SUBMITTALS AND APPROVALS 2. NOST A PRE-CONSTRUCTION MEETING AT THE

- THOM COMPACTION DIRING CONSTRUCTION
 OR HERRY EROSION HAS CAUSED
 ACCUMILATION OF FINE MATERIALS, REPORK
 MATERIALS THAT DO NOT MEET INFILITRATION
 REQUIREMENTS PER THE DRAWINGS AND
 SPECIFICATIONS, THESE MATERIALS SHALL
 BE REMOVED AND/OR SCARIFIED TO A
 MINIMM DEPTH OF 6 INCHES, AND RETESTED
 FOR COMPACTION AND INFILITRATION AS PER
 SPECIFICATIONS.

 B. INSTALL GEOTISTILE VERTICAL BARRIERS
 FLACED ALONS PERIMETER OF PORCUS
 PAYEMENT PARKINS AREA FER THE
 DRAWINGS

- PAVEMENT PARKING AREA PER THE DRAMINGS.

 4. INSTALL CAPILLARY BARRIER AND GEDERATILE INTERNAL GRADE CONTROLS.

 10. PLACE WILLITES LINES OVER THE GRADED CAPILLARY BARRIER LAYER.

 11. PLACE AND COMPACT FILTER COURSE PER THIS SECTION.

 12. SUPERVISORY ENGINEER TO INSPECT FILTER COURSE AND PERFORM INFILTRATION TESTS TO VERIFY SUITABILITY OF COMPACTION AND INFILTRATION FIRST SUITABILITY OF COMPACTION AND INFILTRATION FIRST SUITABILITY OF COMPACTION AND INFILTRATION FOR THIS SECTION.

 18. PLACE AND COMPACT POROUS ASPHALT BINDER COURSE.

- LOT PLACEMENT OF TEMPORARY ROAD OF POROUS
 ASPHALT BINDER COURSE (OPTICINAL)
 A. INSTALL AT THICKNESS INDICATED ON
 DRAWINGS (IN PLACE) LAYER OF BINDER
 COURSE PER THIS SECTION.
 B. INSTALL FRANE, GRATES, AND LANDSCAPINS.
 SPECIAL CARE IS TO DE TAKEN TO PROTECT
 FRESH BINDER COURSE.
 C. ALI. TRICKES (INCLIDING CONCRETE TRUCKS)
 MILL BE STOPPED PRIOR TO ENTERNIS THE SITE
 AND INSTRUCTED AS TO SPECIAL CONCRETS
 FOR PAYMENT DURABILITY.
 D. A MASHOT AREA FOR ALI. CONCRETE
- FOR PAVEMENT DURABILITY.

 A MASHOUT AREA FOR ALL CONCRETE TRUCKS SHALL BE DESIGNATED CUTSIDE OF PORCUS PAYSHERT AREA ON THE CONTRACTOR'S EXCISION AND SEDIMENT CONTROL PLAN.

 PROBLED PAVEMENT SURPACE SHALL BE PROTECTED ON HOT DAYS DURING THE PAVEMENT CHEET CONTROL PLAN.
- E. POROUS PAYEMENT SURFACE SHALL BE PROTECTED ON HOT DAYS DURING THE PROTECTION.

 A TEMPERATURES GAN SHALL BE AVAILABLE ONSITE TO ASSESS PAYEMENT SURFACE TEMPERATURES OF PAYEMENT DURING THE PROTECTION OF WAYEMENT DURING THE PROTECTION OF WAYEMENT DURING THE SURFACE BY APPLICATION OF WATER FROM A MATTER TRUCK SHOULD COCUR WEEN HEAVY VEHICULAR TRAFFIC IS EXPECTED SUCH AS CONCRETE TRUCKS FOR DRY WELL FRAME AND GRATE INSTALLATION. IN THE EVENT THIS IS OFFICIAL OF THE WHELL OF THE WAYER OF WAYER OF WAYER WAYER OW WAYER WAYER OF WAYER WAYER OF WAYER WAYER OF WAYER WAYER OF W
- NO STOCKPILING OF MATERIALS (E.G. SOIL NO STOCKPILING OF MATERIALS (E.G. SOIL, STONE, LANDSCAPING MATERIALS) WILL BE ALLOWED ON FOROIS PAVENERITS. MATERIALS BECANATED FOR PINISH MORKS SHALL BE PLACED CUISIDE OF PORCUS PAVENERIT AREAS, VACUATING THE CONTROLLOW MAY NEED THE CONTROLLOW M
- VACUMING THROUGHOUT CONSTRUCTION MAY BE NECESSARY FOR SURROUNDING PAYED AREAS TO FREVENIT RUN-ON OR TRACKING ONTO PROBLE PAYENEINTS, FREQUENCY SHALL BE ADJUSTED AS NEEDED, REPUBLICALLY UNTIL FILL PAYING IS COMPLETED.
- SECTION II-PAVEMENT SUBGRADE (POROUS ASPHALT PAVEMENTS)
 PART I EXECUTION
- PART I BECUTION

 IOI BYAMINATION
 AND REMOVE ALL UNBITIABLE MATERIALS AND
 DEBRIS INCLUDING GHETING, FORMS, TRACH,
 STUMPS, PLANT LIPE, ETC.
 BEFOREHAND AND REMOVE ALL ROOTIS,
 YESEFATION, ORGANIC MATTER, OR OTHER
 PORTION OF ANNIC MATTER, OR OTHER
 PORTION OF ANNIC MATTER, OR OTHER
 PORTION OF ROOKIN MITTER, OR OTHER
 PORTION OF ROOKIN MITTER, OR OTHER
 PORTION OF ROOKIN MITTER, OR OTHER
 PORTION OF ROOKIN MIT SMALLER PRICES.
 C. NO BACKET THE PILL MATERIALS SHALL BE
 PLANDED HE PORTION OF CONTAIN
 DEPARTMENT OF THE PILL MATERIALS AND ENGLISHED SOLD THE PORTION OF CONTAIN
 D. SPACES TO BE PROGRED OF CONTAIN
 COMPACTION OF THE PILL MATERIALS AND EXCHAPTIONS
 ENGLISHED WITH THE PILL MATERIALS AND EXCHAPTIONS
 ENGLISHED IN THE PILL MATERIALS AND EXCHAPTIONS
 ENGLISHED AND COMPACTED PRIOR TO
 COMPACTION OF THE PILL MATERIALS AND EXCHAPTION OF THE PILL MATERIALS AND EXCHAPTION OF THE PILL MATERIALS ON BE
 ACCOMPACTION OF THE PILL MATERIALS ON BE
 ENGLISHED AND COMPACTED PRIOR TO
 COMPLETION OF SUBGRADE.
 F. VERSITY THAT TRAFFIC CONTROLS AND
 EXCENT THAT TRAFFIC CONTROLS AND
 EXCENT HAT TRAFFIC CONTROLS ARE IN
 PLACE.

- I.O.2 PREPARATION
 A. TEMPORARY EROSION AND SEDIMENT
 CONTROLS SHALL BE INSTALLED PRIOR TO
 CONSTRUCTION OF SUBGRADE.
 B. TAKE ANY OTHER NECESSARY STEPS TO

- CONTRUCTION OF SUBGRADE.

 7 TAKE ANY OTHER NECESSARY STEPS TO PREVENT SEDIMENT FROM WASHING INTO PREVENT SEDIMENT FROM WASHING INTO PREVENT SEDIMENT FROM WASHING CONTRUCTION, WHEN THE SITE IS FILLY STABILIZED.

 TEMPORARY SEDIMENT CONTROL DEVICES SHALL BE REMOVED.

 TEMPORARY DRAINS AND DITCHES SHALL BE CONSTRUCTED AS NECESSARY TO REMOVE WATER FROM THE SUBGRADE AREA.

 I. THE POTARY DRAINAGE OFENIAGE IN A SAME ACCEPTABLE TO THE ENGINEER, SHOWED ACCEPTABLE TO THE ENGINEER.

 2. CONTRACTOR TO PREVENT THE ENGINEER.

 2. CONTRACTOR TO PREVENT THE ENGINEER.

 3. CONTRACTOR TO PREVENT THE ENGINEER.

 4. CONTRACTOR TO PREVENT THE ENGINEER.

 THE USE OF BALES OF HAT, SCREENS AND INTERIOR DRAINAGE SYSTEMS, INCLIDING THE USE OF BALES OF HAT, SCREENS AND THE TROM

 ENTERING DRAINAGE SYSTEMS, INCLIDING THE USE OF BALES OF HAT, SCREENS AND THE TROM

 OTHER DESILITING METHODS.

 3. BACKFILLED AREAS SHALL DE RETESTED AT THE DISCRETION OF THE ENGINEER.

 WINNING TRAFFIC AND COMPACTION UPON SUBGRADE.
- SUBGRADE.

 IN MOST INSTANCES TRAVE. LIPON SUBGRADE
 IS INAVOIDABLE, AND A CARIFILL ASSESSMENT
 OF DEGREE OF SUBGRADE COMPACTION.

 INEEDED, TILLING AND OR REMOVAL OF
 COMPACTED SUBGRADE MAY BE NEEDED,
 SUBGRADE COMPACTED DURING EXCAVATION
 OR IMERIE EROSION HAS CAUSED
 ACCUMILATION OF FINE MATERIALS, THIS
 MATERIAL SHALL BE REMOVED AND/OR
- ACCIMILATION OF FIRE MATERIALS, THIS MATERIAL SHALL BE REPOVED AND/OR SCARPED TO A MINIMA DEPTH OF 6 INCHES, PRIOR TO PLACEMENT OF THE ASSERSATE RESERVOR (ASSERTED THE BASE COURSE), THE INFILIRATION RATE OF THE SHARRADE SHALL BE DETERMINED BY ASTN DESSES OF APPROVED ALTERNATIE AT THE DISCRETION OF THE BISHERS THE INFILIRATION RATE SHALL BE NO LESS 5-30 FT/DAY OR 50% OF THE HYDRAULE CONDUCTIVITY (D2494) AT 45% STANDARD PROCTOR COMPACTION.

 SEE TABLE 2 FOR COMPACTION AND INFILIRATION REQUIREMENTS.
- INFILTRATION REGUIREMENTS.

 THE DENSITY OF SUBSEADE COURSES SHALL.

 BE DETERMINED BY AASHTO T IS! (SAND-COME METHOD), AASHTO T 204 (DRIVE O'ULIDER METHOD), OR AASHTO T 239 (N.C.). EAR METHOD), OR OTHER ASPROVED METHODS AT THE DISCRETION OF THE ENGINEER.

 THE DISCRETION OF THE ENGINEER.

 INFILITRALE MATERIALS SHALL BE REMOVED AND REMORKED TO THE SATISFACTION OF THE CANSITY FINALISES.
- ONSITE BYGINEER.

 IFON COMPLETION OF SUBSERVOR WORK, THE ENGINEER SHALL BE NOTIFIED AND SHALL INSPECT AT HIS/HER DISCRETION BEFORE PROCEEDING HITH THE POROUS MEDIA BED INSTALLATION.

- INSTALLATION.

 ILOS PIELD GUALITY CONTROL.

 A. FOR COMPACTION REGUIREMENTS SEE TABLE 2.

 B. TOLERANCES THE PINAL SUBSPACE SIRPLACE SHALL NOT YAR'T WORE THAN 1/2 INCH FROM THE DESIGN GRADE ELEVATION AT ANY LEASTING AS DESIGNED TO THE FINAL ROAD CONTROL OF THE TOTAL ROAD CONTROL OF THE TOTAL ROADWAY THICKNESS, THE TOTAL ROADWAY THICKNESS, THE TOTAL ROADWAY THICKNESS, THE TOTAL CONTROL OF THE NEXT PAVEMENT CORRSE, THE SUBGRADE SURFACE SHALL BE PRACOF ROLLED TO LOCATE AREAS OF INADEGUATE COMPACTION OR DEFECTIONS OR SOPT OR RUTTING AREAS REQUIRING UNDERCUTTING, HITH 6-TO 10-TON PREMATIC TIRE COMPACTORS, I. AREAS OF INADEGUATE COMPACTION TO DE RECOMPACTORS.
 - AREAS OF INADEGUATE COMPACTION TO BE RECOMPACTED.
 IF ADDITIONAL ROLLING DOES NOT CORRECT AN AREA OF INSTABLE CONDITION, THEN THIS AREA AND SOFT OR RIFLACED WITH SELECT ON-SITE MATERIAL.
 HERE NO SITABLE ON-SITE MATERIAL.
 HERE NOTALLED AND COMPACTED AREAS INACCESSIBLE TO ROLLERS TO BE COMPACTED BY MECHANICAL METHODS.
 - COMPACTED BY MECHANICAL METHODS.

SECTION III, AGGREGATE BASE COURSE (POROUS ASPHALT

- Part i execution Loi examination EXAMINATION
 VERIFY PAVEMENT SUBGRADE HAS BEEN
 ACCEPTED FOR PLACEMENT OF AGGREGATE
 BAGE COURSE.
 I. GRADIENTS, CRONNS AND ELEVATIONS ARE
- 1. SEADIENTS, CROPES AND ELEVATIONS ARE CORRECT.
 2. SUBGRADE IS DRY.
 2. SUBGRADE IS DRY.
 3. PRICE TO PLACEMENT OF THE ASCREGATE, THE INFLITRATION RATE OF THE SUBGRADE SHALL BE DETERMINED BY ASTIN DESIGNOR OF THE BESINEER. THE INFLITRATION RATE OF THE INFO LESS 5-30 FID AY OR 5-38. AT 128. STANDARD PROPERTY COMPANY AT 158. STANDARD PROPERTY COMPACTION. MERITY THAT TRAFFIC CONTROLS ARE IN MACE.

- I.O.2 EDGE LINER INSTALLATION
 A. EDGE GEOTEXTILE OR PVC LINER SHALL BE PLACED IMMEDIATELY AFTER APPROVAL OF
- SUBGRADE PREPARATION, THE EDGE LINER IS TO BE PLACED ALONG THE OCATIONS AS SHOWN WITHIN THE CONTRACT
- DRAWINGS,
 THE LINER IS TO BE PLACED BEHIND THE CURB THE LINER IS TO BE PILACED BISHIND THE CARBOR TRANSITION WITHIN CONCRETE POOTING. THE ID-SE LINER SHOULD TEMPORARILY BE STAKED VERTICALLY AT 12-10 I AROVE THE SUBGRADE, PRIOR TO PILACEHENT BEHIND CURB, TO PILACIDIA AS ECOSION CONTROL MEASURE TO PREVENT PINES PROM MASHING INTO RESERVOIR BASE. PENETRATIONS TO THE PAC LINER SHALL BE MRAPPED MITH AS STANLESS STEEL PIPE CLAMP, SEALED BY HEAT-SHAUK, OR SHILLAR METHOD TO ACHIEVE LOW PRESSURE MATER TIGHT SEAL OR APPROVED BOULD. TO RESYNT THE MIGRATION OF SEDIMENT ACROSS THE PENETRATION.

- F. INTERNAL GRADE PVC LINER GRADE CONTROL TO BE PLACED EVERY 12' OF GRADE LOSS AT EXIAL ELEVATION ALONS THE CONTROL THE INTERNAL GRADE CONTROL ARE TO CONTRIN THE FLOW ON SLOFE NITHIN THE PAVEDIN RESERVOIR AND MIST BE KEED INTO ESSEE PVC LINER AND CONTRAIN THE THE INTERNAL GRADE CONTROL BOX LINES AND CONTRAIN THE THE INTERNAL GRADE CONTROL BOX LINES AND TO DE
- THE INTERNAL GRADE CONTROL PVO LINER IS TO BE PLACED ALONS AN EGUAL ELEVATION CONTOUR AS PER THE DIMENSIONS AND LOCATIONS AS SHOWN HITHIN THE CONTRACT DRAWINGS.
- ITIONS FROM UTILITIES TO THE PVG LINER BE MINIMIZED AND LOCATED BENEATH TH
- FENERATIONS FROM UTILITIES TO THE PVC LINER ARE TO BE MINIMIZED AND LOCATED BERGATH THE PVC LINER IF POSSIBLE.

 UTILITY PIPING WITHIN THE ROADBED SHALL BE MATERIAGHT AND SEALED WITH FOAM, CAULKING, OR OTHER SHATABLE METHOD.

 ALL UTILITY TRENCHES THAT INTERSECT OR TRAVEL BELOM THE PAYMENT SUBBASE SHALL HAVE CONSIDERATIONS TO PREVENT SUB PIPING AND INFLORM THIS MAY INCLUDE SEET/AGE COLLAR COVER HITH LINER, OR OTHER METHOD AND PROPERTY OF THE PR
- F. IN AREAS WHERE THE LINER IS NOT CONTINUOUS, A 12-INCH OVERLAP IS REQUIRED.
- IZER COURSE PREPARATION

 A RESERVOIR COURSE AND CAPILLARY BARRIER
 ASSESSATE SHALL BE PLACED IMPEDIATELY
 ASTER APPROVAL OF SUBSPADIE PREPARATION
 AND INSTALLATION OF EDGE SIGN DETECTION AND
 ACCUMULATION OF DETENIS OR SEDIMENT HIGH HAS
 TAKEN IF ACE APPEARANCE OF SUBSPADIE
 SHALL BE REPOYED PRIOR TO INSTALLATION OF
 SECTIONAL BATCH OF SUBSPADIES
 SHALL BE REPOYED PRIOR TO INSTALLATION OF
 SECTIONAL BATCH OF SUBSPADIES
 B. SET TABLE I FOR SPECIFICATIONS FOR FILTER
 COURSE AND RESPONDER COURSE (ACPILLARY COURSE AND RESERVOIR COURSE / CAPILLAR
- BARRIER.

 C. SEE TABLE 2 FOR COMPACTION AND INFILTRATION REQUIREMENTS OF SUBBASE.

 D. INSTALL FILTER COURSE AGGREGATE IN 12-INCH HAXMAN LIFTS TO 95 TO 96% STANDARD PROCTOR
- MAXIMM LIPES TO 49 TO 40% STANDARD PROCOTOR COMPACTION (ASTAL DAGS) / AASHTO 1990, INSTALL ASSREANTE TO GRADES INDICATED ON THE TRAINING.

 E. THE INFILITRATION RATE OF THE FILITER COURSE SHALL BE DEITERHINED BY ASTH DISCRETION OF THE SHALL BE NO LEGS AT THE DISCRETION OF THE SHATEMENT BY THE INFILITRATION FAILE SHALL BE NO LEGS 5-80 FT/DAY OR 50% OF THE SHALL BY NO LEGS 5-80 FT/DAY OR 50% OF THE YDRAULIC CONDUCTIVITY (D2484) AT 459
- HYDRAULIC CONDUCTIVITY (02244) AT 45% STANDARD PROJOTOR COMPACTION. BE PETERMINED BY ANSITOT I (4) (SAND-CONE METHOD), ANSITOT 1204 (DRIVE CILINDER METHOD), OR OTHER APPROVED METHODS AT THE DISCRETION OF THE SUPERVISING ENSINEER. C. VIERALORY COMPACTION BY ALL SUPERVISING ENSINEER. C. VIERALORY COMPACTION HALL BE PERFORMED USING THO-ANLE TANDEM ROLLERS INTH A GROSS MASS METHOD IN THE ORD THAN IS THE PROSP.
- MASS (NEIGHT) OF NOT LESS THAN 5 METRIC TONS (55 TONS) AND NOT MORE THAN 10 METRIC TONS (12 TONS) AND NOT MORE THAN 10 METRIC TONS (12 TONS) AND SHALL BE CAPABLE OF PROVIDING A MINIMUM COMPACTIVE ETFORT OF 44 KNM (250 POUNDS PER INCH) OF WIDTH OF THE DRIVE ROLL. ALL ROLLS SHALL BE AT LEAST I M (42 INCHES) IN
- DIAMETER.

 I. COMPACTION OF SIBERADE COURSE MATERIAL.
 SHALL BE DONE HITH A METHOD AND ADESIDATE
 MATTER TO MEET THE RESURPENENTS, SCALLING AND
 SHAPING SHALL CONTINUE HITH. THE RESURPED
 DESIGTY IS ATTAINED, MATTER SHALL BE WINFORMAY
 APPLIED OVER THE SUBSIACE COURSE MATERIALS
 FOR PROPER COMPACTION IN THE AMOUNT NECESSARY
 FOR PROPER COMPACTION IN
- I OF POROLIS AGGREGATE SUBASE INSTALLATION A RESERVOIR BED AGGREGATE GHALL DE PLACED IMEDIATELY AFTER AFFROVAL OF SUBGRADE PREPARATION AND INSTALLATION OF EDGE IVO LINER, ANY ACCUMILATION OF EDGES OR SEDITE WHICH HAS TAKEN PLACE OF TERRASOR SEDITE WHICH HAS TAKEN PLACE OF TERRASOR.
- THE OWNER.

 B. SEE TABLE 2 FOR COMPACTION AND INFILTRATION REGULEPHENTS. REGUREMENTS.

 G. INSTALL RESERVOIR BED AGGREGATE IN 12-INCH
 MAXIMM LIFTS TO 45 TO 48% STANDARD PROCTOR
- COMPACTION (ASTM D646 / AASHTO T94), INSTALL. AGGREGATE TO GRADES INDICATED ON THE DRAMINGS. D. VIBRATORY COMPACTION SHALL BE PERFORMED MASS (WEIGHT) OF NOT LESS THAN 5 METRIC TONS (55 TONS) AND NOT MORE THAN IO METRIC TONS (12 ONS) AND SHALL BE CAPABLE OF PROVIDING MINIMUM COMPACTIVE EFFORT OF 44 KN/M (250
- POUNDS PER INCH! OF WIDTH OF THE DRIVE ROLL LL ROLLS SHALL BE AT LEAST I M (42 INCHES) IN ALL ROLLS SHALL BE AT LEAST IN (A2 NORSE) IN JUANIERS.

 E. COMPACTION OF SUBGRADE COURSE MAIRIERIAL SHALL BE DONE HITH A METHOD AND ADEQUATE MAIRIER TO HEET THE REQUIREMENTS, ROLLING AND SHAPING SHALL COMING LIMIT THE REQUIRED DESITY IS ATTANED, MATER SHALL BE UNIFORMLY APPLIED OVER THE SUBBAGE CORRES MATERIALD DURING COMPACTION IN THE AMOUNT INCESSARY FOR PROPER COMSOLIDATION.

 F. ADD SHALL GUANTITIES OF FINE ASSESSATE TO CAMERS MACERIALITY BY A PROPER PRINTED TO ASSESSA
- COARSE ASSRESATE AS APPROPRIATE TO A
- COMPACTION.

 G. IF EXCESS MATER IS APPARENT, REMOVE
 ASSRESATE AND AERATE TO REDAKE MOISTIRE
 CONTENT.

 H. USE VECHANICAL VIBRATING TAMPING IN AREAS
 INACCESSIBLE TO COMPACTION EQUIPMENT. HE ENGINEER SHALL BE NOTIFIED AND SHALL VSPECT THE LINER AND SUBBASE INFILTRATION
- CAPACITY AT HISARER DISCRETION BEFORE PROCEEDING WITH THE PLACEMENT OF SELECT ROAD BASE MATERIALS.

 INSPECTION OF INFILTRATION CAPACITY MILL VERIFY SUITABILITY OF SUBBASE FROM COMPACTION DURING CONSTRUCTION OF MEDIE BOSION HAS CARBED ACCIDENTAL OF HIRE AMERICAS, IN MEDIED, COMPACTED/ACCIDENTAL AMERICAS, IN MEDIED, COMPACTED/ACCIDENTAL THE MEDIED TO A MINIMAL DEPTH AND LIFE AND COMPACTED TO A MINIMAL DEPTH AND LIFE AND COMPACT AND TAX MAP 233 LOT THE EXCAVATION.
- 1.05 PROTECTION

 A. IN THE EVENT THE SUBBASE IS USED FOR. MAINTENANCE OF TRAFFIC OR IS DISTURBED OR LOCISIED BY ANY CAISE, THEN PRIOR TO PLACING OF THE NEXT PAVING COURSE, THE SUBBASE SHALL BE REGRADED AND RECOMPACTED TO THE FINISHED GRADE AND SPECIFIED DENSITY.

1 SEP 13, 2019 FOR APPROVAL ISS. DATE: DESCRIPTION OF ISSUE DESIGN: J.IM JJIM CHECKED: BDS CHECKED: BDS EMANUEL

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607 CALEF HIGHWAY

BARRINGTON, NH 03825

CLIENT

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BARRINGTON, NH 03825 19-020

AS SHOWN

PO BOX 660

SECTION IV- POROUS ASPHALT PAVING (POROUS ASPHALT PAVEMENTS)

OR, ROBERT ROSEEN OF WATERSTONE PAGINFERING DR. ROBERT ROBERT OF WATERSTONE ENSINEERING, INC. (OR EQUAL) SHALL REVIEW ALL ASPECTS OF PREPARATION, INSTALLATION, AND TESTING FOR THE PORCUS PAVEMENT SECTIONS, PHONE. (603) 686-2406

PART I
IJO SCHEDULING
A. SCHEDULING
A. SCHEDULE THE PAYING OPERATIONS SUCH THAT
ALL PAYING NECESSARY TO PROVIDE SAFE AND
ADEQUATE MAINTENACE AND PROTECTION OF
TRAFFIC OR FOR PROTECTION OF PREVIOUSLY
LAID COURSES IS COMPLETED WITHIN THE
MEATHER AND SEASONAL LIMITATIONS.
I. SICK SCHEDULING SHALL INLUDE EMPEDITING
CONSTRUCTION OPERATIONS TO PERMIT
PAYING REPERGE THE SEASONAL LIMITATIONS

CONSTRUCTION OPERATIONS TO PERMIT PANNING DEFORE THE EXPAGNAL LIMITATIONS OR BY LIMITING THE LENGTH OF NORK TO THAT PHILL GAME COMPLIETED BEFORE THE SEASONAL SHITTOONS.

THE COST OF SCHEDULING AND SEQUENCING OF NORK TO CONFORM TO THE SEASONAL LIMITATIONS SHALL BE REFLECTED IN THE BID PRICES FOR THE RELATED CONTROL TIBES.

- PART 2 PRODUCTS
 2.01 ASPHALT CONCRETE
 A. BINDER CORSE THE PAYEMENT BINDER CORSE
 SHALL BE CONSTRUCTED OF THE POLLOWING
 TYPE AND TO THE WIDTHS AND DETTHS AS SHOWN
- ITTE AND JO THE WIDTHS AND DEPTHS AS SHOWN ON THE DRAWNINGS.

 I. THIS BINDER COURSE SHALL BE IN ACCORDANCE WITH INIDOT SPECIFICATION FOR BITUMINOUS CONCRETE.

 A. PAVEMENT WEARING COURSE (SIRFACE COURSE) PAVEMENT WEARING COURSE SHALL BE CONSTRUCTED OF THE FOLLOWING TYPE AND TO THE WIDTH AND DEPTH AS SHOWN ON THE DRAWNINGS.
- DRAWINGS.

 I. THIS NEARING COURSE SHALL DE IN ACCORDANCE INTH INIDOT SPECIFICATION FOR BITUMINOUS CONCRETE.

 A. PAINTED TRAFFIC MARKINGS CONTRACTOR SHALL REPLACE ALL MARKINGS IN ACCORDANCE WITH LOCAL, COUNTY, OR STATE SPECIFICATIONS (DEPENDING ON J.RISDICTION).

2.02 POROUS ASPHALT

- 2.02 PORCIDS ASPIALT.

 A. 1165 IS A PERFORMANCE SPECIFICATION,
 ALTERNATIVES CAN BE SUBSTITUTED IF THE MIX
 DESIGN MEETS THE MINIMAN BY PERFORMANCE
 CRITERIA FOR GRADATION, ASPIALT CONCRETE
 (AC) CONTENT, FERCEST (8) VOID SPACE, 8
 DRAIN DOWN, RETAINED TENSILE STREAMSTH (PSR),
 AND CANTABRO WEAR TEST AND ACCEPTED IN
 NOTITIES BY THE BINGER.

 B. POLYMER MODIFIED PERFORMANCE GRADED
 ASPIALT BINDER AND MIX DESIGNS

 I. POROUS ASPIALT MEARING COURSE.
 GRADATION, AC CONTENT, 8V VOID SPACE, 8
 DRAIN DOWN, TSR, CANTABRO AS INDICATED
 IN TABLE 3. THE ASPIALT BINDER SHALL BE
 A TERMINAL BLENDED PST6-28 MODIFIED
 HITH A STYCKEE BYTADIBLE STYRENE.

 2. POROUS ASPIALT SINDER COURSE.
 GRADATION, AC CONTENT, 8V VOID SPACE, 8
 DRAIN DOWN, TSR, CANTABRO AS INDICATED
 IN TABLE 3. THE SEPTAL BINDER SHALL BE
 SRADATION, AC CONTENT, 8V VOID SPACE, 8
 DRAIN DOWN, TSR, CANTABRO AS INDICATED
 IN TABLE 3. THE SHAPPAL BINDER SHALL BE
 AND COMENTAL BURDER STYRENE.

 2. PORCUS ASPIALT MIX DESIGNER FRACTIONS IN
 PROPORTIONS THAT PROVIDE A MIXTURE
 MEETING THE REQUIREMENT SPECIFIED.

- PART 8 EXECUTION
 9.01 PREPARATION RESET MANULE FRAMES
 A. PRICK TO PLACING MEARING (TOP) COURSE, MAKE
 FINAL ADJUSTMENTS OF MANUCLE FRAMES,
 CATCH BASH FRAMES, VALVE BOXES AND ANY
 OTHER UTILITY STRUCTURES LOCATED IN THE
 PAYMENET IN RELATION TO PINISHED GRADE.
 I. MANULE FRAMES, VALVE BOXES, ETC., TO SET
 1/2 INCH BELON PRISHED GRADE AND
 PARALLEL TO FINISHED CROOK.
 2. CATCH BASHIN FRAMES TO SET I NICH BELON
 - CATCH BASIN FRAMES TO SET I INCH BELOW FINISHED GRADE AND PARALLEL TO FINISHED
 - CRONN.

 a. BEVEL SLOPE OF MEARING COURSE (FOR 6-INCH MIDTH) AROUND CATCH BASIN FRAME.

8.02 FOROUS ASPHALT BINDER COURSE INSTALLATION

- 2 POROUS ASPHALT BINDER COURSE INSTALLATION
 . TEST STRIP (OPTIONAL)
 1. AN OPTIONAL TEST STRIP SHALL BE
 CONDUCTED TO DETERMINE OPTIMAL
 COMPACTION PROCEDURES FOR THE BINDER
 COURSE AT A THICKNESS AS INDICATED IN THE
 DRAMINES, THE TEST STRIP MILL BE
 CONSTRUCTED IN A PORTION OF THE SITE TO
 ESTALLISH AND ENSURE THE PROFIER MIX
 DESIGN, PRODUCTION AND PLACEMENT.
 2. THE TEST STRIP SHALL BE OVERSEEN BY THE
 BISINESS.
- 2. THE TEST STRIP SHALL BE OVERSEEN BY THE BIGNEER,

 5. THO MIX SAMPLES SHALL BE COLLECTED AT THE ASPHALT HANT BY A SHE PRATY OF TECHNICIAN DURING BINDER COURSE PRODUCTION FROM BEACH TEST STRIP FOR ASPHALT CONTENT, AND GRADATION.

 4. FILLID TESTING OF INFILITATION CAPACITY SHALL BE PERFORMED ON THE TEST STRIP FOR INFILITATION BY THE BISHINER.

 5. THO CORES SHALL BE COLLECTED FROM EACH TEST STRIP AND EVALUATED FOR COMPACTICAL DESSITY, AND PORCISITY.

 6. THESE CRITERIA ONCE ESTINGLISHED MILL BE APPLIED TO ALL PORCUS ASPHALT INSTALLATIONS.

 A. CONDITIONING OF EXISTING SURFACE

 1. THE CONTRACTOR SHALL THOROUGHLY CLEAN THE SURFACE UPON HILLOT THE BINDER COURSE IS TO BE PLACED OF ALL OBJECTIONABLE MATERIAL.

- MATERIAL.
 PREPARATION OF AGGREGATES
 I. THE CONTRACTOR SHALL DRY AND HEAT THE
 AGGREGATES FOR THE BINDER COURSE TO
 THE REQUIRED TEMPERATURE.

- E. SPREADING AND FINISHING

 I. ON AREAS METER IRREGULARITIES OR INAVOIDABLE OBSTACLES MAKE THE USE OF MECHANICAL SPREADING AND FINISHING IMPRACTICABLE, HIT CONTRACTOR SHALL SPREADING AND FINISHING IMPRACTICABLE, HIT CONTRACTOR SHALL SPREADING AND FINISHING IMPRACTICABLE, HIT CONTRACTOR SHALL SPREADING AND RAKE THE BINDER CHEEK HERSINGS.

 2. SOLVENT BASED AGENTS DEVELOPED TO STRIP ASPHALT BEFOLM ASSESSATES MILL NOT BE ALLOWED AS A RELEASE AGENT.

 5. JOINTS SHALL BE FILLY COATED WITH POAB 16-20 JUST PRIOR TO THE PLACEMENT OF THE ADJOINING CORRECASES THAT BECOME CONTRAINATED OR STRIPTED OF ASPHALT COATING WILL BE RETERATED WITH ASPHALT PRIOR TO PLACING THE PEOCH ASSESSATE AND COMPACTION.

 1. THE ACTUAL METHODS AND EQUIPMENT USED TO COMPACT THE BINDER COURSE NILL BE DETERMINED DAINS THE PLACEMENT AND COMPACTOR OF THE THE ASPHALT TREATED PERMEABLE PAGE HAS BEEN SPREAD, STRICK OFF, AND ANY SURFACE.

 2. IMPEDIATELY AFFECT THE ASPHALT TREATED PERMEABLE PAGE HAS BEEN SPREAD, STRICK OFF, AND ANY SURFACE.

 3. THE BINDER COURSE SHALL BE COMPACTED BY A MAXIMM OF THERE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH ADDITIONAL PROPERTIES AND CORRECT HERSINGS AND OFFICIAL TO SHALL FROM THE BINDER COURSE.

 4. THE CONTRACTOR SHALL THE CONTRACTOR SHALL THE DIRECT COMPACTED BY A MAXIMM OF THERE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH CONTRACTOR SHALL THE BINDER COURSE.

 3. THE BINDER COURSE SHALL BE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH CONTRACTOR SHALL THE BINDER COURSE.

 4. THE CONTRACTOR SHALL BE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH COURSE.

 5. THE BINDER COURSE SHALL BE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH COURSE.

 6. THE CONTRACTOR SHALL BE COMPACTED BY A MAXIMM OF THERE COMPACTED WITH COURSE.

 7. THE CONTRACTOR SHALL BE COMPACTED WITH COURSE.

 8. THE SHORT OF THE BINDER COURSE.

 8. THE CONTRACTOR SHALL BE COMPACTED WITH COURSE.

 9. THE CONTRACTOR SHALL BE COMPACTED WITH COURSE.

 9. THE CONTRACTOR SHALL BE COMPACTED OF THE BINDER COURSE.

 1. THE PROPER COURSE WITH E BINDER COURSE.

 1. THE PROPER

9.03 PLACEMENT OF POROUS ASPHALT BINDER

- COURSE
 A. INSTALL THE BINDER COURSE COURSE AT A
 THICKNESS AS INDICATED IN DRAWINGS.
 B. INSTALL FRAME, GRATES, AND LANDSCAPING.
 SPECIAL CARE IS TO BE TAKEN TO PROTECT
 FRESH BINDER COURSE.

- SPECIAL POWER CORREST TAKEN TO PROTECT PRESS INDEED TO PROTECT PRESS IN INDEED TO PROTECT PRICES ALL PRICES FOR PAVENERI TO PRABILITY.

 A WASHOUT AREA FOR ALL CONCRETE TRICKS SHALL BE DESIGNATED OUTSIDE OF POROUS PAYEMENT AREA ON THE CONTRACTOR'S EROSIGN AND SEDIMENT CONTROL PLAN.

 POROUS PAYEMENT SURFACE SHALL BE PROTECTED ON HOT DAYS DURING THE PAYEMENT CARE OF THE PAYEMENT CARE.

 A TEMPERATURE SON SHALL BE AVAILABLE ONSITE TO ASSESS PAYEMENT TEMPERATURES

 SHEATER THAN 100°F SHOULD BE COSSITE TO ASSESS PAYEMENT TEMPERATURES.

 SHEATER THAN 100°F SHOULD BE COSSITENCE OF A PAYEMENT SHEATER.

 FIRKE SHOULD OCCUR FIRM HEAVY VEHICLE ARE TRAKEN TO LINE OF THE PROTECT OF THE PAYEMENT SHEATER.

 INSTALLATION. IN THE EVENT THIS IS INSTALLATION. IN THE PROPORE THE STEPPING. IN THE SECOND THE STEPPING.

- NOS TREATMENT TO EXCESSIVELT NOT SISOPT.

 NO STOCKPILING OF MATERIALS (E.G., SOIL, STOIL, LANDSCAPING MATERIALS) MILL BE ALLOYED ON POROUS PAYEMENTS. MATERIALS BECAVATED FOR FINISH WORKS SHALL BE PLACED OUTSIDE OF POROUS PAYEMENT AREAS.

 VACUMING THROUGHOIT CONSTRUCTION MAY BE INCESSARY FOR SURROUNDING PAYED AREAS TO PREVENT RIN-ON OR TRACKING ONTO POROUS PAYEMENTS, PREGUENCY SHALL BE ADJISTED AS NEEDED.

- 9.04INEPECTION, CORRECTIVE ACTION, REMOVAL.
 AND REPLACEMENT OF BINDER COURSE
 A. PRIOR TO INSTALLATION OF THE PORCUS
 ASSIMALT NEARING COURSE, THE BINDER
 COURSE WILL BE INSPECTED FOR DAYAGE AND
 REDUCED INFLITATION CAPACITY.
 B. BINDER COURSE CLOSSING WILL BE
 CORRECTED BY VACUM AND PRESSURE
 MASHING TO THE SATISFACTION OF THE
 BEGINEER.
- MASHING TO THE SATISFACTION OF THE ENGINEER.
 BINDER COURSE AREAS WHERE BYBINDERS COURSE AND REPASHMENT STRUCTURAL DAMAGE OR INFILITRATION CAPACITY IS SUBSTANTIALLY COMPONISED AT THE DISTRICT OF THE PROPERTY OF THE BINDER COURSE. IF SUBSTANTIAL IS CONTROL IN COURSE AND FIRES PROPERTY OF THE BINDER COURSE. IF ACET IS COMPONISED FOR CORRECTIVE ACTION.
- ACTION.
 THERE WILL BE NO ADDITIONAL PAYMENT FOR BINDER COURSE REPAIRS, CLEANING, REPLACEMENT, OR ASSOCIATED WORK.

5.05 POROUS ASPHALT MEARING COURSE INSTALLATION

- NETALLATION

 GENERAL

 I. MERIPY BINDER COURSE CONDITION AND
 PREPARATION FOLLOWING CONSTRUCTION
 PRICE TO PAVING THE PORCUS ASPHALT
 MEARING COURSE AS DESCRIBED IN
 SECTION 3.0.1.

 THE ENGINEER SHALL BE NOTIFIED AND
 INSPECT THE BINDER COURSE AT THEIR
 DISCRETION FRICE TO PAVING THE PORCUS
 ASPHALT WEARING COURSE.

 TEMPORARY CONSTRUCTION FRICING WILL
 BE USED TO CLOSE PORCUS PAYENGHT
 AREAS TO CONSTRUCTION TRAFTIC AFTER
 PAVING DURING PROJECT COMPLETION.

 ITST STRIP.

- AREAS TO CONSTRUCTION TRAFFIC AFTER PAVING DURING PROJECT COMPLETION.

 3. TEST STRIP PANAL DE CONDUCTED TO DETERMINE OPTIMAL COMPACTION PROCEDURES OF THE PORGUS ASPHALT AT A THICKNESS AS INDICATED IN THE CRAINING, THE TEST STRIP PILL DE CONSTRUCTED IN A PORTION OF THE SITE TO ESTABLISH AND RESIDENT FROMEON.

 1. THE TEST STRIP SHALL BE CONCERN BY THE PROPER MIX DESIGN, THE PROPER MIX DESIGN, THE PROPERTY OF THE PROPERTY STRIP SHALL BE CONCERN BY THE PROPERTY AT THE ASPHALT PLANT BY A SEP PARTY AT THE ASPHALT PLANT BY A SEP PARTY AT THE SEPPLATE PLANT BY A SEP PARTY AS THE SEPPLATE THE STRIP FROMEON.

 5. THE SETS STRIP SHALL BE COLLECTED FROM EACH TEST STRIP FOR ASPHALT CONTENT, GRADATION, AND CANTABRO PEAR.

 5. THO CORES SHALL BE COLLECTED FROM EACH TEST STRIP BY THE BESIMEER.

 5. THO CORES SHALL BE COLLECTED FROM EACH TEST STRIP BY THE BESIMEER.

 6. THESE STRIP SHAD EVALUATED FOR COMPACTION, DENSITY, AND POROSITY.

 6. THESE GRITERIA ONCE ESTABLISHED WILL BE APPLIED TO ALL POROSIS ASPHALT INSTALLATIONS.

 7. ROLLERS OR OSCILLATING VIRRATORY INSTALLATIONS.

 7. ROLLERS PROPORTION AND 1-2 TONG WILLIAM SHEELD FOR COMPACTION, AND TYPE OF BOLLERS FURNISHED WILL BE SEFFICIARIES. THE MIXTURE IS IN LA BORKASIE CONDITION. ASPER, MASSING FORM BY THE MIXTURE IS IN A WORKASIE CONDITION. BEREAUCHER DEAD IN THE STREADING OF PREPALATION, ONE BREAKDOWN ROLLER WILL BE NEEDED FOR EACH PAYER USED IN THE STREADING.

 2. ADDITIONAL ROLLER MAY BE EXCESSIVE.
- OPERATION.

 OPERATION.

 ADDITIONAL ROLLING MAY BE EXCESSIVE,
 CAUSING A BREAK IN THE BOND OF
 ASSIVAL TREPVEN ASSIGNATE PARTICLES,
 PARTICLARLY AFTER THE MIX HAS
- ASHNALT BETIMEN AGGREGATE PARTICLES, PARTICLARY, AND THE THE MIX MAG. COOLED.

 TO PREVENT ADHESION OF THE MIXTURE TO THE ROLLS, ROLLS SHALL, BE KEPT MOIST WITH ROLLS, ROLLS SHALL BE KEPT MOIST WITH WATER OF ADAPTIES OF DETERGRIT OF SHALL GUARTITIES OF DETERGRIT OF SHALL GUARTITIES OF PERMITTERS.

 ADMITTIES OF PERMITTERS.

 TO THER COMBINATIONS OF ROLLERS AND/OR METHODS OF COMPACTION REQUIREMENTS ARE MET. THE SPEED OF THE ROLLER SHALL BE SLOW AND WINFORM TO AVOID DISPLACEMENT OF THE MIXTURE, AND THE ROLLER SHOULD BE KEPT IN AS CONTINUOUS OPERATION AS PRACTICAL, ROLLING SHALL CONTINUE WITH LAIL ROLLER, ROLLING SHALL CONTINUE WITH LAIL ROLLER, ROLLING SHALL CONTINUE WITH LAIL ROLLER, ROLLING SHALL CONTINUE WITH LAIL ROLLER MANNES AND THE ROLLER SHALL BEST LING THE ROLLER SHALL CONTINUE WITH LAIL ROLLER MANNES AND THE ROLLER SHALL CONTINUE WITH LAIL ROLLER MANNES AND THE ROLLER SHALL CONTINUE WITH LAIL ROLLER MANNES AND THE STOPPED OR
- CHERATION AS PROCIOAL, ROLLING STALL CONTINUE UNTIL ALL ROLLER MARKS AND RIDGES HAVE BEEN LEMINATED.

 ROLLERS HILL NOT BE STOPPED OR PARKED ON THE REVELLY PLACED MAT. THE STEED OF THE ROLLER STALL BE SLOW AND RESIDENCE OF THE ROLLER STALL BE SLOW AND RESIDENCE OF THE ROLLER STALL BE HAVE BEEN HAVE BEEN BEINNAMED.

 ROLLERS HALL NOT BE STOPPED OR PARKED ON THE FRESHLY PLACED MAT. DLEES HAVE BEEN ELMINATED.

 CODITIONING OF EXISTING SIRRAGE

 CONTACT SIRRAGES AND RIDGES HAVE BEEN ELMINATED.

 CONTINUING SIRRAGES SLOW AS CURBING, GUTTES, AND MANIOLES SHALL BE PAINTED HITH A THIN, UNIFORM COAT OF TYPE RS-1 EMILSTIED ASPHALT INMEDIATELY BEFORE THE ASPHALT MIXTURE BE PLACED ASAINST THEM.

 E. TEMPERATURE OF THE ASPHALT MIXTURE BE PLACED ASAINST THEM.

 I. THE TEMPERATURE OF THE ASPHALT MIXTURE BE PLACED ASAINST THEM.

 I. THE TEMPERATURE OF THE ASPHALT MIXTURE BE PLACED ASAINST THEM.

 I. THE TEMPERATURE OF THE ASPHALT MIXTURE BE PLACED ASAINST THEM.

 I. THE TEMPERATURE OF THE ASPHALT MIXTURE, AT THE TIME OF DISCHARGE FROM THE HALL, VIHICLE AND AT THE PAVER, SHALL BE BETWEEN ISS-163°C (275 TO 355°F), WITHIN 6 °C (0° °F) OF THE COMPACTION TEMPERATURE FOR THE APPROVED MIX DESIGN.

 2. THE TEMPERATURE OF THE ASPHALT MIXTURE, AT THE TIME OF DISCHARGE FROM THE HALL VIHICLE AND AT THE PAVER, SHALL BE BETWEEN ISS-163°C (275 TO 355°F), WITHIN 6 °C (0° °F) OF THE COMPACTION TEMPERATURE OF THE APPROVED MIX DESIGN.

 3. BEREAKDOWN ROLLING SHALL COCUR WHEN

- COMPACTION TEMPERATURE FOR THE APPROVED MIX DESIGN.

 3. BREAKDOWN ROLLING SHALL OCCUR WHEN THE MIX TEMPERATURE IS BETHELD IN 189-163°C (275 TO 325°F).

 INFERMEDIATE ROLLING SHALL OCCUR WHEN THE MIX TEMPERATURE IS BETWEEN 43-195°C (200 70 275°F).
- (200 TO 215°F).

 5. FINSH ROLLING SHALL OCCUR NHEN THE MIX TEMPERATURE IS BETWEEN 66-43°C (ISO TO 200°F).

- F. SPREADING AND FINISHING
 I. THE POROUS ASSHALT MEARING COURSE
 SHALL BE PLACED IN ONE APPLICATION TO
 A THICKNESS AS INDICATED ON THE
- A THICKNESS PO INCLOSED OF THE DRAWINGS.
 THE CONTRACTOR SHALL PROTECT ALL EMPOSED SURFACES THAT ARE NOT TO BE TREATED FROM DAMAGE DIRING ALL PHAGES OF THE PAVENENT OFFERATION.
 NO TRAFFIC MILL BE PERMITTED ON THE PAVENENT OFFERATION.
- MATERIAL PLACED UNTIL THE MATERIAL HAS BEEN THOROUGH! Y COMPACIDE AND HAS BEEN PERMITTED TO COOL TO BELOW BY COOK TO BELOW THE RIGHT TO RESURE THAT ALL MORK AD LACOR! TO RESURE THAT ALL MORK AD LACOR! TO HE PAVEMENT, BUCH AS SUADDRAIL, CLEANER, NAD TIRE ESTABLISHMENT, IS COMPLETED PRIOR TO PLACING THE WEARING COURSE WHEN THIS WORK COULD CAUSE DAMAGE TO THE PAVEMENT.
- OMPACTION
 PLACING MIX IN AN APPROPRIATE AMBIENT
 TEMPERATURE AND ON A SURPACE
 SUPPLICIENTLY MARK TO MINIMIZE THE RISK
 OF BYCESOME COOLING BEFORE
 COMPLETION OF ROLLING IS OF PARAMOUNT
 IMPORTANCE. HOLDING THE ASSRESATE
 PARTICLES IN PLACE IS SOLELY THE
 FUNCTION OF THE FILM OF ASPHALT. THE
 FUNCTION OF THE FILM OF ASPHALT. THE
 RISCHOOL CANNOT PERSONN'THIS BRICCION
 PROPERLY IF THE MIX IS TOO COOL MED
 ROLLED.
 IT IS IMPORTANT TO KEEP THE TIME
 BETWEEN THE POPCUS ASPHALT AND

- ROLLED.

 IT IS IMPORTANT TO KEEP THE TIME BETWEEN THE PORCUS ASPHALT AND MEARING COURSE AND BINDER COURSE PLACEMENTS SHALL DE MINIMAL AND KEEP THE FIRST LAYER CLAR FROM DUST AND MOISTURE, AND MINIMIZE TRAFFIC ON THE FIRST LAYER CLAR FROM DUST AND MOISTURE, AND MINIMIZE TRAFFIC ON THE FIRST LAYER CLAR FROM DUST AND AS IT COOLS GINCALT HAST DE ROLLED AS SOON AS DISCUSTORING. THE ROLLER AND, AS IT COOLS GINCAL THAT DE ROLLED AS SOON AS DISCUSTORING. THE MINIMIST FROM THE STATE AS OF THE MINIMIST FROM THE STATE AND CONTACT OF THE ASSERBANT FARRICLES. WHEN OVERTAKEN BY SUDDEN STORMS, THE BIGINEER MAY PERMIT WORK TO CONTINUE BY TO THE AMONT MENT HAS THE THE PROVIDED THE MIXTINE IS MINIMISTED THE MINIMIST OF THE MINIMIST OF THE MINIMIST OF THE MINIMIST ON THE MIN PLACE VOID CONTENT (CORELOCK), GREAT CARE SHALL, BE TAKEN TO AVOID
- CARE SHALL BE LAKEN TO AVOID
 OVER-COMPACTION.
 IF THE BIGINERS DETERMINES THAT
 URGATISTACTORY COMPACTION OF
 SURPACE DISTORTION IS BEING OBTAINED
 OR DAMAGE TO HIGHMAY COMPONENTS
 ACCURRING USING THE COMPACTION
 EQUIPMENT THE CONTRACTOR SHALL
 IMPREDIATELY CEASE USING THIS EQUIPMENT
 AND PROJECTED WITH THE FORE IN
- IMPEDIATELY CEASE USING THIS EQUIPMENT AND PROCEED WITH THE WORK IN ACCORDANCE WITH THE FIFTH PARAGRAPH OF THIS SUSPECTION.

 ALONG FORMS, CURBS, HEADERS, WALLS, AND OTHER PLACES NOT ACCESSIBLE TO THE ROLLERS, THE MIXTURE SHALL BE THOROUSELY COMPACTED WITH HOT OR LIGHTLY OILED HAND TAMPERS, SHOOTHING RONS OR WITH MECHANICAL TAMPERS, ON DEPRESSED AREAS, EITHER A TRENCH FOR CLEATED COMPRESSION STRIPS MAY BE USED WIDDER THE ROLLER TO TRANSHIT COMPRESSION TO THE DETRESSED AREAS.
- DETREGGED AREA.

 IDINTS

 UNLESS OTHERWISE SPECIFIED, THE
 LONGITUDINAL JOINTS SHALL BE ROLLED
 FIRST, NEXT, THE CONTRACTOR SHALL BESIN
 ROLLING AT THE LON SIDE OF THE
 PAVENETY AND SHALL PROCEED TOWARDS
 THE CENTER OR HIGH SIDE IN THE APPENDA
 THE CENTER OR HIGH SIDE IN THE PAPENDA
 PACEMENT OF THE SURFACE COURSE SHALL
 BE CAREFULLY PLANED TO ASSURE THAT
 THE LONGITUDINAL JOINTS IN THE SURFACE
 COURSE SHALL
 ROLL CORRESPOND WITH THE EDGES
 OF THE PROPOSED TRAFFIC LANES, THEY
 SHALL NOT BE LOCATED WITHIN THE EDGES
 OF THE PROPOSED TRAFFIC LANES, THEY
 RORNAL WEST, PATH OF VEHICULAR
 TRAFFIC.
- TRAFFIC.

 MEN PAVING ADJOINING LANES, THE

 ASPHALT CONCRETE SHALL BE LAID SICH

 THAT IT IMPORMLY OVERLAPS THE

 ADJACENT LANE 2 INCHES AT 3 INCHES, THE

 THICKNESS OF THE OVERLAP MATERIAL. THICKNESS OF THE OVERLAP MATERIAL SHALL BE APPROXIMATELY MATE COMPACTED THICKNESS OF THE CORSE, SO AS TO RESULT IN A SHOOTH AND WELL COMPACTED JOINT AFTER ROLLING, THE OVERLAPSED MATERIAL SHALL BE BROOMED OR RAKED BACK ONTO THE ADJACKENT HOT LAVE SO THAT THE ROLLER OPERATOR CAN CROND THE SHALL EXCESS INTO THE HOT SIDE OF THE JOINT, IF THE OVERLAP IS DISCUSSIVE, THE BICKESS MATERIAL SHALL BE REMINED OFF SO THAT THE MATERIAL ALONS THE JOINT IS
- THE MATERIAL ALONS THE JOIN IS UNIFICIAL.

 THE COARGE PARTICLES OF ASSRESATE IN THE CARLAD PARTERIAL SHALL BE REMOVED AND WASTED IF DEEMED NECESSARY BY THE ENGINEER.

 TRANSVERSE JOINTS SHALL BE STASSFRED A MINIMUM OF IO FEET FROM ADJACENT I AURE.
- TRAFFIC

 1. ALL TRUCKS (INCLUDING CONCRETE TRUCKS)
 WILL BE STOPPED PRIOR TO ENTERING THE
 SITE AND INSTRUCTED AS TO SPECIAL
 CONCERNS FOR PAYMENT DURABILITY.

 2. TRUCKS AND OTHER CONSTRUCTION TRAFFIC
- 2. TRUCKS AND OTHER CONSTRUCTION TRAFFICMILL NOT BE ALLOWED TO ACCESS THE SITE WHILE THE PAVEMENT IS EXCESSIVELY HOT. 9. PORCUS PAVEMENT IS EXCESSIVELY HOT. 9. PORCUS PAVEMENT SURPACE SHALL BE PAVEMENT CIRE PERIOD (1-2 PERES).

 4. A TEMPERATURE SIN SHALL BE AVAILABLE ONSITE TO ASSESS PAVEMENT SURPEACE TEMPERATURES. PAVEMENT TEMPERATURES. PAVEMENT TEMPERATURES. PAVEMENT TEMPERATURES. IN EXCESS OF LOOSE SHOULD BE OBSERVED CAREFULLY FOR PAVEMENT DURABILITY.

- 5. COOLING OF PAVEMENT SIRPACE BY APPLICATION OF MATTER TROM A MATTER TRUCK SIGNLE OF COLOR MERN HEAVY VEHICLE AR TRAFFIC IS EXPECTED, SICH AS CONCRETE TRICKS FOR CLIPS INSTALLATION. IN THE EXPENT THIS IS INSTALLATION. IN THE EXPENT THIS IS DETORNATION IS STILL OBSERVED, \$14* PLIVACOD SHALL BE PLACED ON TOP OF THE PAYEMENT.

- PLYMOOD SHALL BE PLACED ON TOP OF THE PROVIDENT.

 6. AFTER A 24 HOUR CURINS PERIOD OF THE FORUS ASPHALT WEARING COURSE, LIMITED TRAFTIC MAY BE ROUTED OVER THE PROVIDENT OF THE BINDER COURSE ROAD.

 7. TRAVEL OF CONSTRUCTION EQUIPMENT, AND TRAFTIC IS ALLOWED OVER THE BINDER COURSE ROAD.

 7. TRACKING OF DEBRIS SHALL BE MINIMIZED TO A FEASIBLE EXTENT DRING CONSTRUCTION FOR THE BINDER CONSTRUCTION FOUR TRAVELOTION FOR THE BINDERS, CONSTRUCTION EQUIPMENT, AND TRAFTIC SHALL BE PROMIBITED PROMITED SHALL BE PROMIBITED PROMITED SHALL BE PROMIBITED PROMITED SHALL BE PROMIBITED PROMITED SHALL SURFACE UNTIL THE BINTIES PAYENTS OF THE COMPLETED PORCUS ASPHALT SURFACE UNTIL THE BINTIES PAYENTS TRAVELED INTO THE BINDERS CONSTRUCTION FOUNDMENT OF TO THE BINDERS CONSTRUCTION FOUNDMENT OR CAUSED BY CONSTRUCTION FOUNDMENT OR CAUSE
- DAMAGE TO THE BINDER COURSE LAYER CAUSED BY CONSTRUCTION EQUIPMENT OR TRAFFIC SHALL BE REMEDIED BY CONFLETE REMOVAL AND REPLACEMENT OF THE DAMAGED AREA TO THE LIMITS DETERMINED BY THE BISHEER.
- THER
 OTHER COMMINATIONS OF ROLLERS AND/OR
 METHODS OF COMPACTING MAY BE USED IF
 APPROVIDED IN PRITING BY THE INGINEER,
 PROVIDED THE COMPACTION REQUIREMENTS
 ARE MET.
 ARE MET.

- PROVIDED THE COMPACTION REQUIREMENTS
 ARE MET.

 2. A MASHOUT AREA FOR ALL CONCRETE
 TRICKS SHALL BE DESIGNATED OUTSIDE OF
 FORCUS PAYEMENT AREA ON EROSION
 CONTROL PLAN.

 3. NO STOCKPILING OF MATERIALS (SOIL,
 STONE, LANDSCAPING MATERIALS (SOIL,
 STONE, LANDSCAPING MATERIALS ETC.)
 WILL BE ALLOWED ON POROUS PAYEMENTS.
 MATERIALS EXCANATED FOR CURS
 BY METALLATION AND LANDSCAPING
 STOCKPILES SHALL BE PLACED CUTSIDE OF
 POROUS PAYEMENT AREA.
 WERLY VACILINING OF THE POROUS
 PAYEMENT AND SURROUNDING AREAS
 (20-FEET BEYON LIMITS OF POROUS
 PAYEMENT SHALL BE PERFORMED BY THE
 CONTRACTOR AS NECESSARY, PREQUENCY
 SHALL DE INCREASED IF REQUIRED BY
 CONSTRUCTION ACTIVITIES.
- B.O.O.DRIVEMAYS AND PARKING AREAS A. PAVING MATERIALS, TYPE OF PAVING, DEPTH OF VARIOUS COURSES, ETC., SHALL BE AS SHOWLON THE DRAWINGS.

- OF VARIOUS CARSES, ETC, SHALL BE AS SHOWN ON THE DRAVINGS.

 I. THE DRIVENAYS AND PARKING AREAS SHALL BE CUT BACK IZ INCHES FROM OUTSIDE DISTURBED OR DAVAGED AREAS AS DESCRIBED ABOVE.

 2. THE MINIMAD DETTH OF SUBBASE SHALL BE AS INDICATED ON THE DRAVINGS AND MINIMAD AREAS AND DAVING AND THE PRAVINGS AND MINIMAD SHAPPOOL OF THE PRAVINGS.

 B. HORSON SHALL BE DRAVINGS AND MINIMAD SURFACES SHALL BE RESTORED MITH ASPHALT CONCRETE MATCHING ENISTING. BIT IN NO CASE SHALL BE LESS THAN 2 INCHES OF BINDER AND I INCH DETTH OF CAUSES AS SPECIFIED IN THE APPLICABLE ARTICLES OF THIS SECTION.

 C. NON-BITMINOUS SURFACES PHERE SHOWN ON THE DRAVINGS AREAS OR RESTORED WISHES AND PARKING AREAS AS FOLLOWS.

 I. GRAVEL SURFACES SHALL BE RESTORED ISING SCREENED GRAVEL, MATCHING ENISTING BRIVANTS AND PARKING AREAS AS FOLLOWS.

 II. GRAVEL SURFACES SHALL BE RESTORED ISING SCREENED GRAVEL, MATCHING ENISTING, BUT IN NO CASE SHALL BE LESS THAN BE LESS THAN BE LESS THAN BE LESS THAN BE RESTORED BRAVEL, MATCHING EXISTING BUT IN NO CASE SHALL BE LESS THAN BE RESTORED HAVEL SHALL BE LESS THAN BE RESTORED HAVEL SHALL BE RESTORED HAVEL SHALL BE LESS THAN BE RESTORED HAVEL SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HAVEL SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED HATCHING EXISTING STONE, BUT IN NO CASE SHALL BE RESTORED THAN SHALL BE CONFACTED.
- 3.01 SEAL AND TACK COAT APPLY SEAL COAT TO DENSE MIX ASPHALT AND ASPHALT CURBS ONLY AND IN ACCORDANCE WITH NHOOT STANDARD SPECIFICATIONS.
- SPECIFICATIONS.

 B. SEAL COAT APPLICATION TO POROUS PAVMENTS IS PROHIBITED.

 C. BITUMNOUS MATTERIAL FOR THE TACK COAT SHALL BE EMULSIFIED ASPHALT, GRADE RS-I CONFORMING TO NHOOT SPECIFICATION.

2. A TOLERANCE NOT TO EXCEED I/4-INCH FROM THE NOMINAL THICKNESS REQUIRED FOR THE COURSE SPECIFIED (NORE ONE PAY ITEM WILL BE ACCEPTABLE WHERE THE REQUIRED NOMINAL THICKNESS IS 4 INCHES OR LESS, A TOLERANCE NOT TO EXCEED OR LEGS. TO LERANDE NOT TO EXCEED 1/2-IK-CH PROM THE NOMINAL THICKNESS PECIFIED FOR THE COURSES OR COURSES SPECIFIED FOR THE COURSE OR COURSES SPECIFIED FOR THE NUMBER OF COURSES SPECIFIED FOR THE SHORT THE REGISTRED NOMINAL THICKNESS IS OVER 4 INCHESS OF ALL BITMHINOUS MIXTURE COURSES SHALL NOT VARY FROM THE TOTAL OF THE NOMINAL THICKNESS INDICATED ON THE FLANS BY MORE THAN 12-INCH HERRE THE TOTAL NOMINAL THICKNESS IS A INCHES OR THE TOTAL NOMINAL THICKNESS IS OVER 4 INCHESS AND THE TOTAL NOMINAL THICKNESS IS OVER 4 INCHESS AND THE TOTAL NOMINAL THICKNESS IS OVER 4 NOT MORE THAN 3/6-INCH HERRE THE TOTAL NOMINAL THICKNESS IS MORE THAN 3/6-INCH HERRE THE TOTAL NOMINAL THICKNESS IS MORE THAN 3 INCHESS OF TOTAL NOMINAL THICKNESS IS MORE THAN 3 INCHESS OF TOTAL NOMINAL THICKNESS IS MORE THAN 3 INCHESS.

-SHEETS-0

- B.O4 PROTECTION

 A MY PAYEMENT, CONSTRUCTED OR
 RECONSTRUCTED, WHICH IS SUBSECUENTLY
 DAMASED DUE TO ACTIVITY OF WORK UNDER
 THIS CONTRACT, SHALL BE REMOVED AND
 REPLACED BY THE CONTRACTOR AT NO
 ADDITIONAL COST TO THE OWNER.

 PROTECT PAYEMENT PROM VEHICULAR TRAFFIC
 UNTIL COMPACTION IS COMPLETED,
- S.IO PAVEMENT MARKING
 A. PAVEMENT MARKING SHALL BE IN
 ACCORDANCE WITH NIDOT STANDARD
- ACCORDANCE WITH HIDDT STANDARD
 SPECIFICATION,
 STRIPMS PAINT FOR PORCUS ASPHALT SHALL
 BE LATER, HATER-BASE EMIL, SION,
 READY-MIXED, AND COMPLYING WITH PAVEMENT
 MARKING SPECIFICATION FOR THE 1952 AND IN
 ACCORDANCE WITH UNIBED DESIGN
 SPECIFICATIONS FOR PORCUS ASPHALT
 PAVEMENT AND INFILTRATION BEDS, REV.
 COTOBER 2009 OR MOST RECENT UPDATE
 LOCATED AT ITTP://WWW.UNH.FDXU/NHSG/SPECS-AND-FACT

- PART 4, GIALITY ASSURANCE AND GIALITY CONTROL
 4.01 SENERAL
 4.01 SENERAL
 5.1 SENERAL
 6.1 SE
- HITP:///WWW.INHED/UMNHSC/SPECS-AND-FACT91EETS-0.

 B. MATERIALS AND BATCH PLANT
 REGUIREMENTS.

 CONSTRUCTION PROCEDURES EXCEPT AS
 MODIFIED HEERIN.

 EXCEPT AS MODIFIED HITEIN.

 MEATHER AND SEASONAL LIMITATIONS
 EXCEPT AS MODIFIED HITEIN.

 EXCEPT AS MODIFIED HITEIN.

 CAN BE SOURCE TO THE OWNER
 AND ENGINEER.

 AD ENGINEER.

 AD ENGINEER.

 AD ENGINEER.

 AD ENGINEER.

 AD ENGINEER.

 AD AND SPAILT CONCRETE MATERIALS FROM
 SAME SOURCE THROUGHOUT PROJECT.

4.02 QUALITY ASSURANCE/CONTROL DURING SUBBASE AND SUBGRADE PREPARATION

- A DETHIRD PARTY QUALITY CONTROL OF HOT MIX PLANT PRODUCTION
 A. THE CONTRACTOR SHALL PROVIDE AT CONTRACTOR'S EXPENSE AND THE ENGINEER'S APPROVAL A THIRD PARTY QUALITY CONTROL INSPECTOR TO OVERSEE AND DOCUMENT BOTH
- I) MIX PRODUCTION OF THE PORCUS ASPHALT MEARING COURSE AND BINDER COURSE MATERIALS USED FOR THE PROJECT, AND 2) FIELD TESTING FOR IN PLACE MATERIALS, AS PER TABLE 5.
- THE TABLE BY THE PERSON THE TABLE BY TABLE BY TABLE BY TABLE BY THE RESULTS DURING PRODUCTION SHOULD BE SUBMITTED TO THE ENGINEER ON A DAILY BASSING ANCE PIELD TESTING SHALL BE CONDUCTED FOR IN-PIACE MATERIALS FOR THE CORDUS ASPHALT SYSTEM BY A THIRD PARTY AT THE CONTRACTIONS EXPENSE IN COORDINATION WITH THE ENGINEER. THE CONTRACTOR SHALL COORDINATE WITH THE THIRD PARTY GUALITY CONTROL FIRM TO SHAHLT RESULTS TO THE ENGINEER DAILY AND ON AN ON-GOING BASIS.

- 4.04 REVIEW SUBMITTALS OF QUALITY
 ASSIRANCE/CONTROL OF PRODUCTION
 A. PROVIDE CERTIFICATION OF APPROVED JOB
 MIX FORMULAS FOR TYPES TO BE USED ON THIS THE MIXING PLANT SHALL EMPLOY A QUALITY
- FROJECT.

 THE MIXING PLANT SHALL EMPLOY A QUALITY CONTROL. INSPECTOR. THE INSPECTOR MILL PERFORM AND WILL BE CRETIFIED IN THE DISCIPLINE OF HAA PLANT TECHNICIAN BY THE RELEVANT CERTIFICING ASPACE OF THE MISCANDIA. THE CONTRACTOR SHALL SAMPLE, TEST HIS MISCANDIA. THE CONTRACTOR SHALL SAMPLE, TEST HIS MISCANDIA. THE CONTRACTOR SHALL SAMPLE, TEST HIS SAMPLED IN TAKES IN THE MISCANDIA. THE MISCANDIA SHALL SO SAMPLED SAMPLED SAMPLED SAMPLED SAMPLED SAMPLED AND TESTED. IF AN ANALYZED SAMPLE IS CUTSIDE THE TESTING TOLERANCES IMMEDIATE CORRECTIVE ACTION HAD BEEN TAKEN THE CORRECTIVE ACTION HAD BEEN TAKEN THE CORRECTIVE ACTION HAD BEEN TAKEN THE FEBULTING MIX MILL BE SAMPLED AND TESTED. IF THE RE-SAMPLED MIX TEST VALUES ARE CUTSIDE THE TOLERANCES THE BONNEER MILL BE INVESTIGATED HAT IT IS BE RESPONDED FOR THE PROJECT THAT IT IS BE RESPONDED FOR THE FOLLOW. THE CONTRACTOR MILL BE RESPONDED FOR THE PROJECT THAT THE SET RESPONDED FOR THE PROJECT THAT THE PROJECT THAT THE SET RESPONDED FOR THE PROJECT ON THE PROJECT THAT THE PROJECT ON THE P
- ASGREGATE GRADATION AND BINDER CONTENT BY MORE THAN 4.5 PERCENT (8) OR AFFROVAL BY ENGINEER. SHOULD THE PAVING MIXTURE PRODUCED VARY FROM THE DESIGNATED GRADING AND ASPHALT CONTENT SPECIFIED BY MORE THAN THE ABOVE TALERANCES, THE AFFROPRICATE PRODUCTION MODIFICATIONS ARE TO BE MADE WITH. THE PORCUS ASPHALT MIX IS WITHIN THESE TOTAL PRANCES.

- 4.05 GUALITY ASSURANCE/CONTROL DURING PAVING A. GAYGC REQUIRENENTS DURING PAVING ARE SIMMARUZED IN TABLE 4 AND TABLE 5 B. MONITOR SUALITY CONTROL OVER SUPPLIERS, MANUFACTURENS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKSHANSHIP, TO PRODUCE WORK OF STECHIED GUALITY.

PART 5: SISNAGE FOR OPERATIONS AND MAINTENANCE

- RECOMMENDED SIGNAGE SHOULD READ AS
- RECOMMENDED SIGNADE SHOULD READ AS FOLLOWS.
 PORZOJE PAVEMENT PARKING PACILITY FOR STORMANTER MANAGEMENT.
 PORZOJE ASPIALT ROADMAY-ENVIRONMENTALLY FRIENDLY STREET.
 REDUCES POLLUTION AND FLOODING FROM
- REDUCES FUNDAMENT OF STORMATER PROPERTY AND CONSERVES MATTER RESOURCES REDUCES EXCESS REPAIN HEAT REDUCES MATTER SALT FOR DEICING
- SANDING, SEALCOATING, AND CRACKSEALING
- PROHIBITED.

 DO NOT STORE STOCKPILES ON PORCUS
 SURPACE SICH AS SAND, SALT, MILCH, LOAM, OR
 GRASS CLIPPINGS.

- GRAGO CLIPPINGO.

 VACLUM BX PER YEAR (SPRING, SUMMER, FALL)
 OR AS NEEDED.
 POMER-MACH AT A 45° AMGLE FOR
 CHRONICALLY CLOGGED AREAS.
 ALL SWEEDINGS MUST BE DISPOSED OF IN A
 LEGAL MANNER.
 PREVENT RUN-ON OF SEDIMENT AND DEDRIS
 THROUGH EXOSICN CONTROL OF NEARBY AREAS,
 NINTER MANTENANCE
 MECHANICAL REMOVAL OF SNOM AND ICE BY
 SNOW PLOM.

- * NECHANICAL REMOVAL OF BROWN AND ILLE DI SNOW HOLM.

 APPLY DEICINS TREATMENTS DURING, AND AFTER STORMS AS NECESSARY TO CONTROLL COMPACT SHOW AND ICE NOT REMOVED BY PLONING. LITTLE OR NO ROAD SALT MAY BE NECESSARY BETWEEN STORMS. UP TO 15% REDUCED USE OF ROAD SALT MAY BE FEASIBLE AND MINIMIZE POTENTIAL IMPACT TO GROWNWATER AND WEILLAND RESOURCES.

 NO DEICINS MATERIALS SHALL BE STORED ON SITE.

TABLE 1: SUB-BASE MATERIAL GRADATION REQUIREMEN

		RESERVOIR COURSE PEA	SE PLTER COURSES
SECTION AND SECTION	(2000 trobust in	建筑和师务	建物的外 线
		ASSESSMEND OF STREET	Section (Section)
NATIONAL PROPERTY OF		A SECURITY OF THE PARTY OF THE	
SE SEVENSIONATION SEE	STEROOF DAYS NO	THRON ASSISTAN	OF PERCENT PASSING ST
Service October 1981	CHITCHA & SEE	CONTRACTOR	
€/150			100
2/50			
18/37.5	100		
1/25	75~100	100	
14/19	45 - 68	90-100	
X/12.5	20 - 85		
1/6/9.5	0-25	20-55	
#4/4.75		0-10	76-100
#8/2:35		0-5	
#200/U.075			0.6**
VOIDS (ASTM C29)	>40%	>40%	
ALL RANGE +/-5% OR APPROVAL "PREFERABLY LESS THAN 4% FIL	BY REVIEW ENGINEER		

		30.25	经线点		TEOR :
ON STRUCTION ELEMENTS	THICKNESS.	STEATING!	TANDARO.	A STRATE THE	建 (4)
		100	TPROCTOR 7	#IFINAY) #	
BANKMENTS AND FILLS	an entransanta	12.2011112	Control And	MACHE SELECTION	AND COLD
ON-POROUS AREAS FILE	12	T136	95%	N/A	
Subgrade Linder Eets, Pariong Areas, and	ł I				
ER PAVED AREAS					
DROUS AREAS FILL AND	12	¥ 138	05-09%	>6-30	10,000
GRADE		D336S	l	l	l i
POROUS AREAS SUBBASE	92	1130	95-00%	>6 30*	40,000
ER COURSE)		D3305	l		
DUGH SITE GRADING	24	T138	85%	R/A	
RENCHES					
PE SIDEFILLS AND TOP 4	12	T130	9316	N/A	
OF PIPE BACKFILL UNDER					l
EMENTS'	I	I	i	1	ł
CKFILL BELOW 4 FEET	18	T138	90%	N/A	-
ER PAVEMENT)
IE INFILTRATION RATE SHALL BE	NO LESS 530 FTA	DAY OR SOLL	OF THE HYDRAU	CC CONDUCTIVITY	(D2436) AT 65
AND ARBEROCTOR COMPACTION	I. SUBGRADERED	ERS TO EVE	SYTHING 2' BELO	WE WISHED GRAD	E OF PAVEME
DRACE DECCIDE TO POMOTOMENT	CD DAUCTICHTMA	SCORED ADO	LIE CHECONARE	UNO DELOUDANCE	EACCOUNT PACE

YABLES: POROUS ASPHALTMX CEBION CRITERIA

E SEVE DEBIGNATION (NICHMAN):	PERCENTPASSING (SACRITURE)
0.76/19	100
0.80/12.8	B5-100
0.375/9.6	65-76
NO.4/4.75	10-25
NO.8/2.18	5-10
NO.200/0.076 (#260)	2-4
PEAB CONTENT (AASHTO T184)	5.7-6.2%
MIXING TEMPERATURE SANGE	200'F-350'F OR AS PER PGAB SUPPLIER
PGAB GRADE	PG 76-26
STYRENE BUTADIENE STYRENE (SBS)	5% OR TED
AIR VOID CONTENT (ASTM D8762/AASHTO T275)	10.0-22.0%
DRAINDOWN (ABTM 06388)	< 0.3 %
RETAINED TENSILE BTREHGTH (TSR) [AASHTO 263]	> 80 %
CANTABRO ABRASION TEST ON UNAGED SAMPLES (ASTM 07084-04)	<12%

THE HIST THEORY OF THE PROPERTY OF THE PROPERT

TABLE 4: QA/QC RECHIDE MENTA ALLENA

MOOLE QUENCY LY TRUCK CH PULL	N/A N/G (10°F) OF COMPACTION TEMP.
	G (10'F) OF COMPACTION
CH PULL '	
MEEDED	N/A
FTER PACTION	4.6 MM (3/16")
FŢER	N/A
	PACTION

Ter .	RANGESAMPLE COCATION	PERMEABLE BASE RANGERAMPLE LOCATION	DAY, CRITTERIA
BINDER CONTENT (AASHTO T184)	5.7 – 6.26%, ASPHALT PLANT	2.7%, ASPHALT PLANT	2X, PER 600 TONS
AIR VOID GONTENT (ASTM D6752/AA8HTO T276)	16 - 22%, FIELD CORE	>27%, FIELD CORES	2X, PER 500 TONS
ORANIDOWN (ASTM 08190)	40.3%, ASPHALT PLANT	N/A	2X, PER BOS TONS
CANTABROABRASION TEBT ON UNAGED SAMPLES (ASTM D7084-04)	\$12%, ASPHALT PLANT	H/A	2X, PER 500 YOHS
INFILTRATION RATE (HOSE TEST)*	>1000 IN/HR	>3000 (MAIR	2X, PER 500 TONS

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1	SEP 13, 2019	FOR APPROVAL				
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TURBOCAM INTERNATIONAL 607 CALEF HIGHWAY BARRINGTON, NH 03825

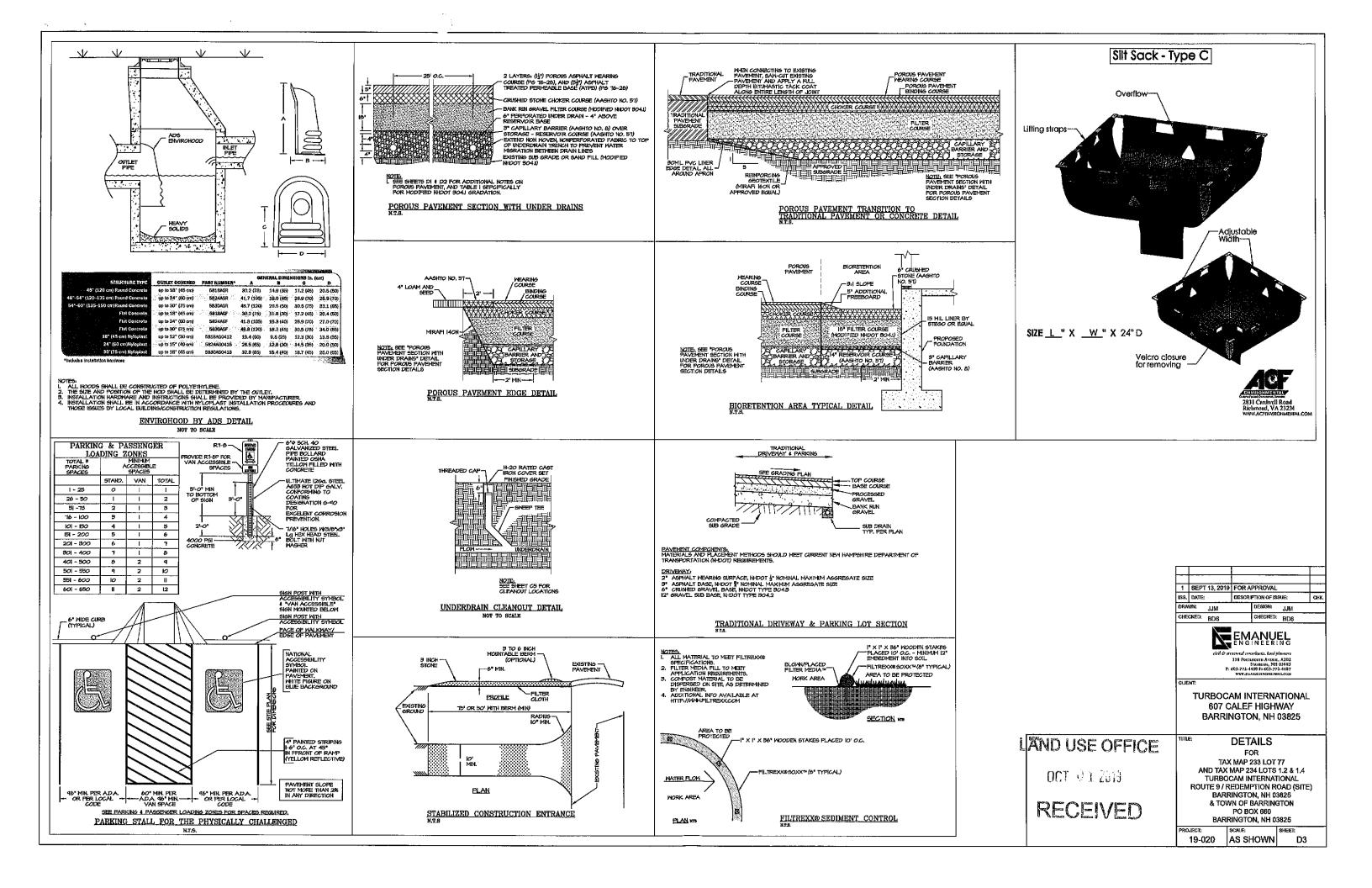
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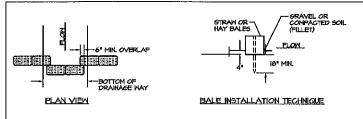
FOR TAX MAP 233 LOT 77 AND TAX MAP 234 LOTS 1,2 & 1,4 TURBOCAM INTERNATIONAL ROUTE 9 / REDEMPTION ROAD (SITE) BARRINGTON, NH 03825 & TOWN OF BARRINGTON PO BOX 660 BARRINGTON, NH 03825

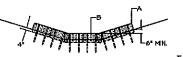
NOTES

SCALE: 19-020

SHEET: AS SHOWN





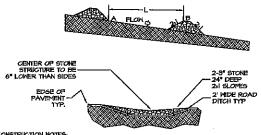


DRAINAGE MAY X-SECTION

STRAW OR HAY BALE GRADE STABILIZATION STRUCTURE

SPACING BIFTWEEN STRUCTURES

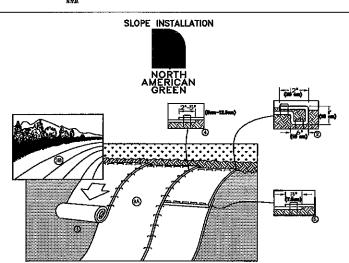
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION



CONSTRUCTION NOTES.

STONE STRUCTURES SHOULD BE CONSTRUCTED OF 2-3° STONE. THE STONE SHOULD BE PLACED ACCORDING TO ABBOVE DETAIL. CAREFUL PLACEMENT MILL BE NECESSARY TO ACHIEVE COMPLETE COVERAGE OF THE DITCH OR SWALE AND TO INSURE THAT THE CENTER OF THE STRUCTURE IS LOWER THAN THE EDDIES.

TEMPORARY GRADE STABILIZATION STRUCTURE

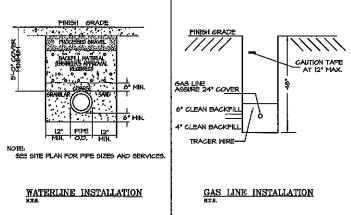


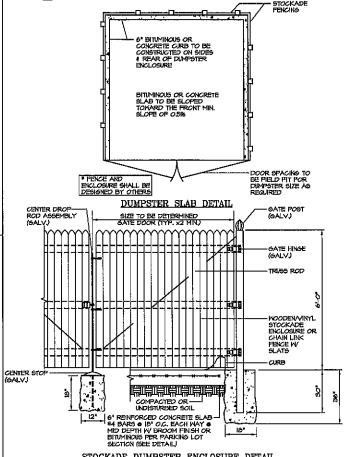
- Prepare soil before installing blankets, incliding any necessary application of line, fertilizer, and seed, note; when using cell-o-seed do not seed prepared area. Cell-o-seed must be installed with paper side down. LEGIN AT THE TOP OF THE SLOTE BY MAKERING THE BLANCET IN A O' (SCIP) LEBY A' (SCIP) THE TREATHER TOP OF THE SLOTE BY MAKERING THE BLANCET IN A O' (SCIP) LEBY A' (SCIP) THE TREATHER THE BLANCET IN THE SCIP OF THE SLOTE THE BLANCET IN THE SCIP OF THE SLOTE THE BLANCET IN THE SCIP OF THE SLOTE THE SCIP OF THE SCIP O
- S, CONSECUTIVE BLANKERS SPLICED DOWN THE SLOPE MIST BE PLACED BID OVER BID (SHINKERS SPLICE) DOWN THE SLOPE MIST BE PLACED BID OVER BID (SHINKE SPLICE) HITM A APPROXIMATE BY (15-04) OVERLAP, STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY [2* (50-04) APART ACROSS ENTIRE BLANKET HUTTH.
- NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (ISON) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

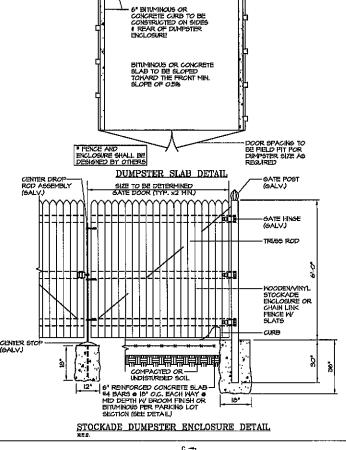
NORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLON STAPLES TO SECURE THE CRITICAL POINTS ALONG THE

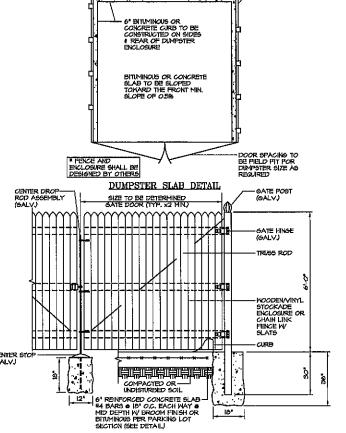


COORDINATE WITH AVAILABLE VOLTAGE







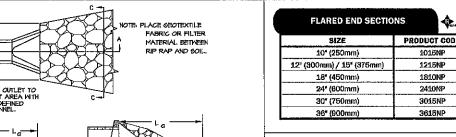


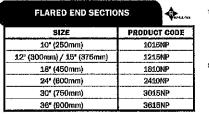


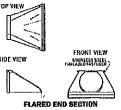
NOTES I.) PRODUCTS SHOWN MANUFACTURED BY ADVANCE DRAINAGE SYSTEM INC. WAMADS-PIPE.COM 2.) USE ADVANCE DRAIN SYSTEM INC. OR BOUAL 8) FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS

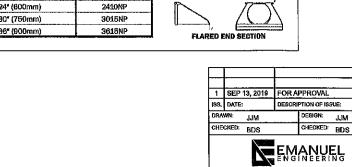
END SECTION TRASH GUARD/GRATE STANDARD SIZES: 12", 15", 18", 24", 90", 4 96"

PIPE GRATE PROTECTION DETAIL









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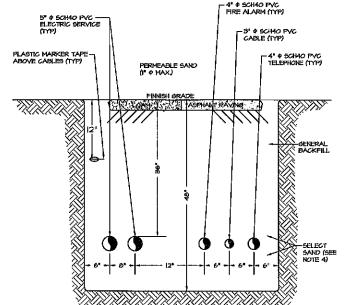
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DETAILS

TAX MAP 233 LOT 77 AND TAX MAP 234 LOTS 1.2 & 1.4 TURBOCAM INTERNATIONAL ROUTE 9 / REDEMPTION ROAD (SITE) BARRINGTON, NH 03825 & TOWN OF BARRINGTON PO BOX 660 BARRINGTON, NH 03826

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VERIFY NAMBER OF CONDUIT RUNG AND TYPES OF CONDUITS REQUIRED WITH ELECTRICAL AND MECHANICAL DESIGNERS BEFORE INSTALLATION

- ALL UTILITIES SHALL BE REVIEWED AND APPROVED BY APPROPRIATE UTILITY COMPANY. SERVICE BOX CONNECTIONS SHALL BE "FLUSH MOUNT" TO GREATEST EXTENT POSSIBLE AND LOCATED
- 2. SERVICE BOX CONNECTIONS SHALL BE "FLUSH MOUNT" TO GREATEST EXTENT POSSIBLE AND LOCATED AT PROPERTY LINE CONNERS.

 3. PIPE SUZES ARE MINIMAM SUZES TO BE INSTALLED.

 4. ROCKELL SHALL BE SELECTED SAND, LOOK SHALL PASS THROUGH I/4" SCREEN, UP TO IS MAY BE ROLANDED FEBBLES UP TO 5/6" IN SUZE.

 5. TICHCH HIDTH IS TO BE 12" MINIMAM DEPENDING ON NUMBER OF UTILITIES IN TRENCH, UNLESS CABLE IS NOWED IX.

 6. UTILITIES ARE TO BE LOCATED IN ROAD SHOLLDERS AND ROWS AS DETERMINED BY PLANS, ALL WORK TO BE COORDINATED WITH UTILITY CONFANIES.

 7. THERE WAY BY MORE OR LESS SERVICES OF BE INSTALLED IN TRENCH VERIEY MITH UTILITIES PLAN.

 8. VERIEY 1 REFER TO PROJECT ELECTRICAL DRAVINGS AND DETAILS FOR SPECIFICS.

 9. VERIEY 1 REFER TO PROJECT ELECTRICAL DRAVINGS AND DETAILS FOR SPECIFICS.

 9. VERIEY 1 REFER TO PROJECT ELECTRICAL DRAVINGS AND DETAILS FOR SPECIFICS.

SECTION A-A PIPE OUTLET TO CHANNEL.

SECTION B-B SEE CHART FOR FILTER FABRIC RIP RAP (D50) SIZE CHART

<u>CNSTRICTION SPECIFICATIONS.</u> THE SUBSRADE FOR THE FILTER MATERIAL, SECTEXTILE FABRIC, AND RIPRAP SHALL BE PREPARED TO I. THE SUBGRADE FOR THE FILTER MATERIAL, SECTEMBLE, AND RIPRAY SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.

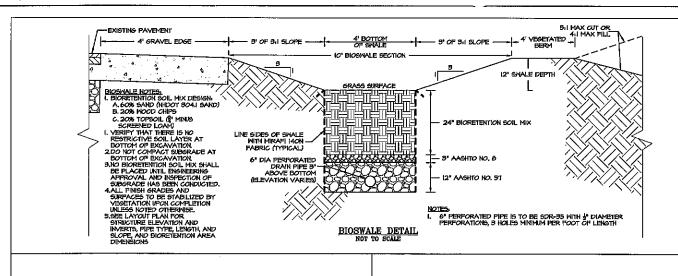
2. THE ROCK OF GRAYEL USED FOR FILTER OR RIPRAY SHALL CONFORM TO THE SPECIFIED GRADATION.

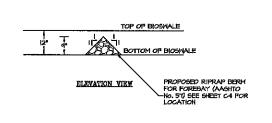
3. GEOTEMBLE PLANCISHED SHALL BE PROTECTED FROM PUNCTURE OR TEARING DOWN THE PLANCISH OF THE ROCK RIPRAY. DAYAGED AREAG IN THE PLANCIS HALL BE REPAIRED BY PLACING 6 A PIECE OF FABRIC OYER THE DAYAGED AREAG OR BY COMPLETE REPLACEDING THE FABRIC, ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMAM OF IZ INCIRC.

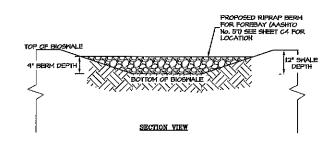
4. STONE FOR THE RIPRAY MAY BE FLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FILL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANURER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

PIPE OUTLET PROTECTION

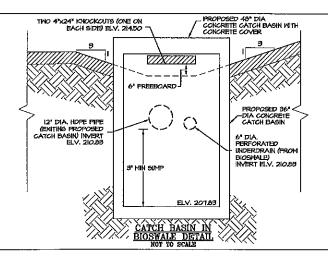
TYPICAL UTILITY TRENCH DETAIL

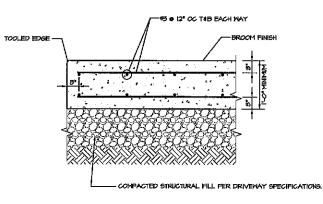






RIPRAP BERM DETAIL



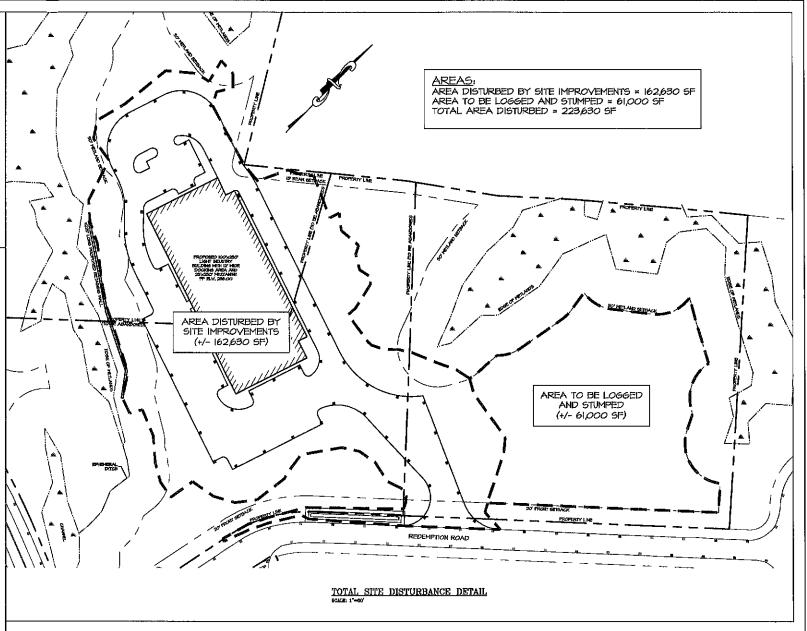


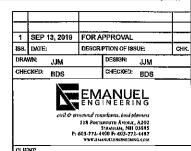
CONCRETE

- I. CONCRETE WORK SHALL CONFORM TO THE FOLLOWING NOTES AND SPECIFICATIONS.

 1 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" ACI BOI-OS.
 1 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI BIO-OS.
- COMPRESSIVE STRENGTH OF CONCRETE SHALL BE 4000 PSI AFTER 26 DAYS WITH 5 TO T% AIR BITRAINMENT FOR EXTERIOR SLABS, WR. 6RACE "ECLIPSE PLUS" SHRINKAGE ADMIXTURE, AND WR. 6RACE "DCI-5" CORPOSION INHEIDRO, AND A MIDRAMSE MATER REDUCED.
- 9. FINISH SLAB W BROOM FINISH AND TOOLED JOINT ALONG ALL EDGES OF SLAB.
- 4. SLAB SHALL BE WATER CURED FOR A MINIMUM OF 5 DAYS USING WET BURLAP,
- 5. WALF, SHALL BE SHEETS ONLY, LAP TWO SQUARES AT ALL JOINTS AND THE # 8"-O" ON CENTER.

CONCRETE LOADING ZONE DETAIL





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DETAILS FOR

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AS SHOWN