TOWN OF BRISTOL COMMUNITY DEV.

2018 APR 25 AM 9: 45

PRELIMINARY MINOR SUBDIVISION

AP 158 LOTS 20 & 25 MASSASOIT AVENUE EXTENSION **BRISTOL, RHODE ISLAND**

APPLICANT/OWNER:

NCD DEVELOPERS, INC. C/O MICHAEL FONSECA 370 METACOM AVENUE BRISTOL, RI 02809



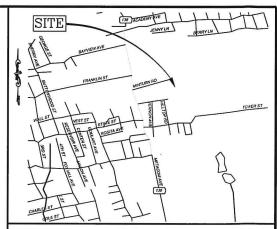
PRINCIPE COMPANY, INC.

ENGINEERING DIVISION

PO BOX 298 TIVERTON, RHODE ISLAND 02878 401.816.5385 INFO@PRINCIPEENGINEERING.COM WWW.PRINCIPEENGINEERING.COM

> AUGUST 17, 2017 REVISED: 12/12/17 1/3/18 1/19/18 4/9/18





LOCUS MAP NOT TO SCALE

LIST OF DRAWINGS

COVER SHEET

EXISTING SURVEY
SITE DEVELOPMENT LAYOUT

DRAINAGE AND GRADING ROADWAY PLAN AND PROFILE

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

PLANNING BOARD NOTE:

IN LIEU OF HAVING A DEAD END STREET THE PLANNING BOARD APPROVED THE CONNECTION OF ABILIO DRIVE ON JAN. 11, 2018 FOR SAFETY REASONS. DO TO SITE CONSTRAINTS THE ONE INCH WATER QUALITY RUNOFF HAS BEEN MITIGATED AS REQUESTED BY THE PLANNING BOARD WITH THE USE OF A STONE DRAINAGE INFLITRATION SWALE AND CORRESPONDING CALCULATIONS AS SHOWN ON SHEET

SOILS ON THE SITE CONSIST ENTIRELY OF SOIL TYPE CCC — CANTON AND CHARLTON—FINE SANDY LOAMS, VERY ROCKY 3-8% SLOPES

THE SITE IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOOD PLAIN) AS SHOWN ON FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 44001C0014H MAP REVISED ON JULY 7,

REFERENCE:

EXISTING CONDITIONS PLAN MASSASOIT AVENUE EXTENTION ASSESSOR'S PLAT 158, LOTS 20 AND 25 SITUATED AT MASSASOIT AVENUE IN BRISTOL, RHODE ISLAND PREPARED BY STEPHEN M. MURGO SR. DATED DEC. 6th.

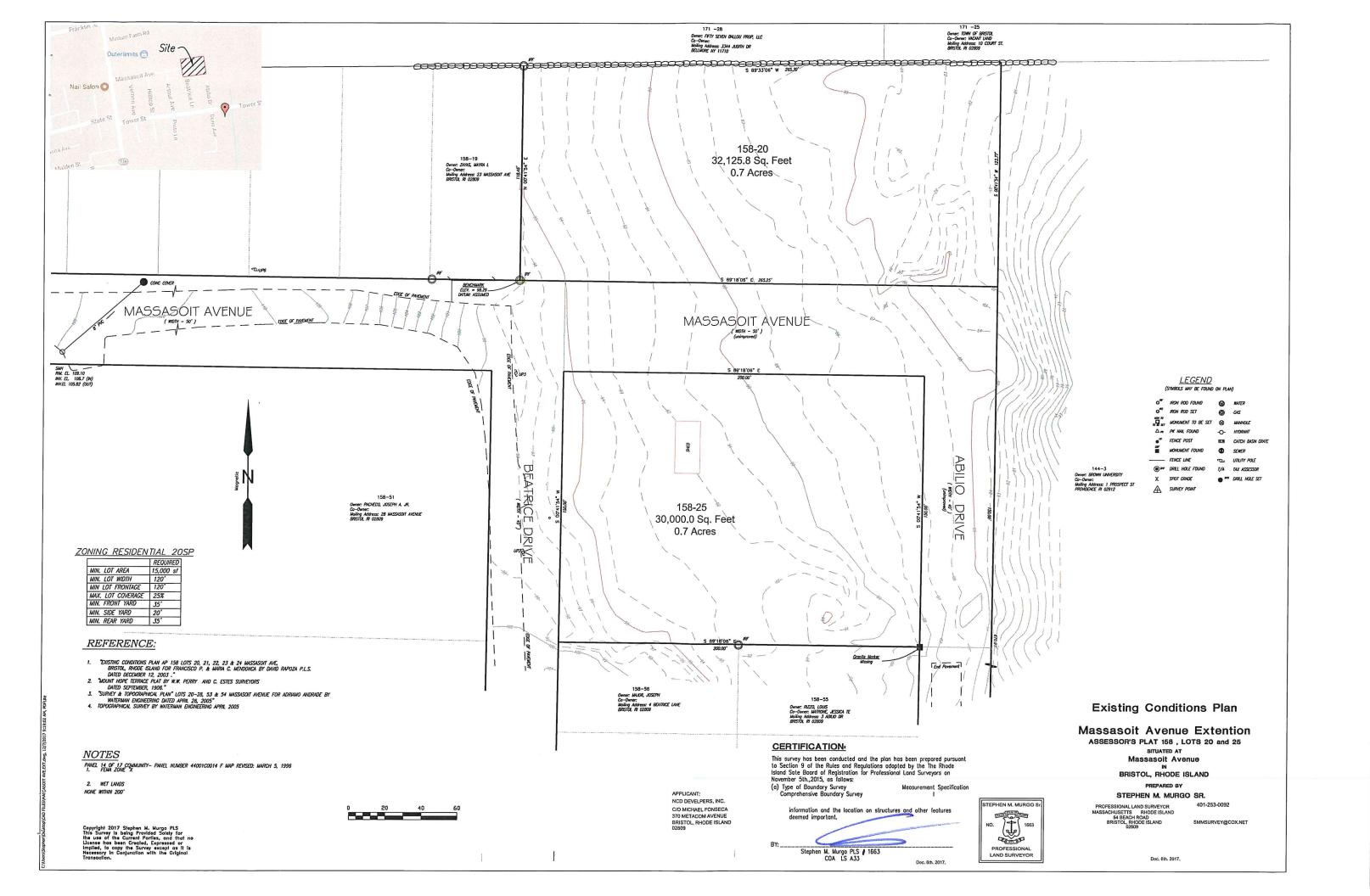
SURVEY & TOPOGRAPHIC PLAN AP 158 LOT 20-28, 53 & 54 MASSASOIT AVENUE BRISTOL. RHODE ISLAND FOR ADRIANO ANDRADE 225 WOOD STREET BRISTOL, RHODE ISLAND 02809 PREPARED BY WATERMAN ENGINEERING DATED APRIL 26, 2005

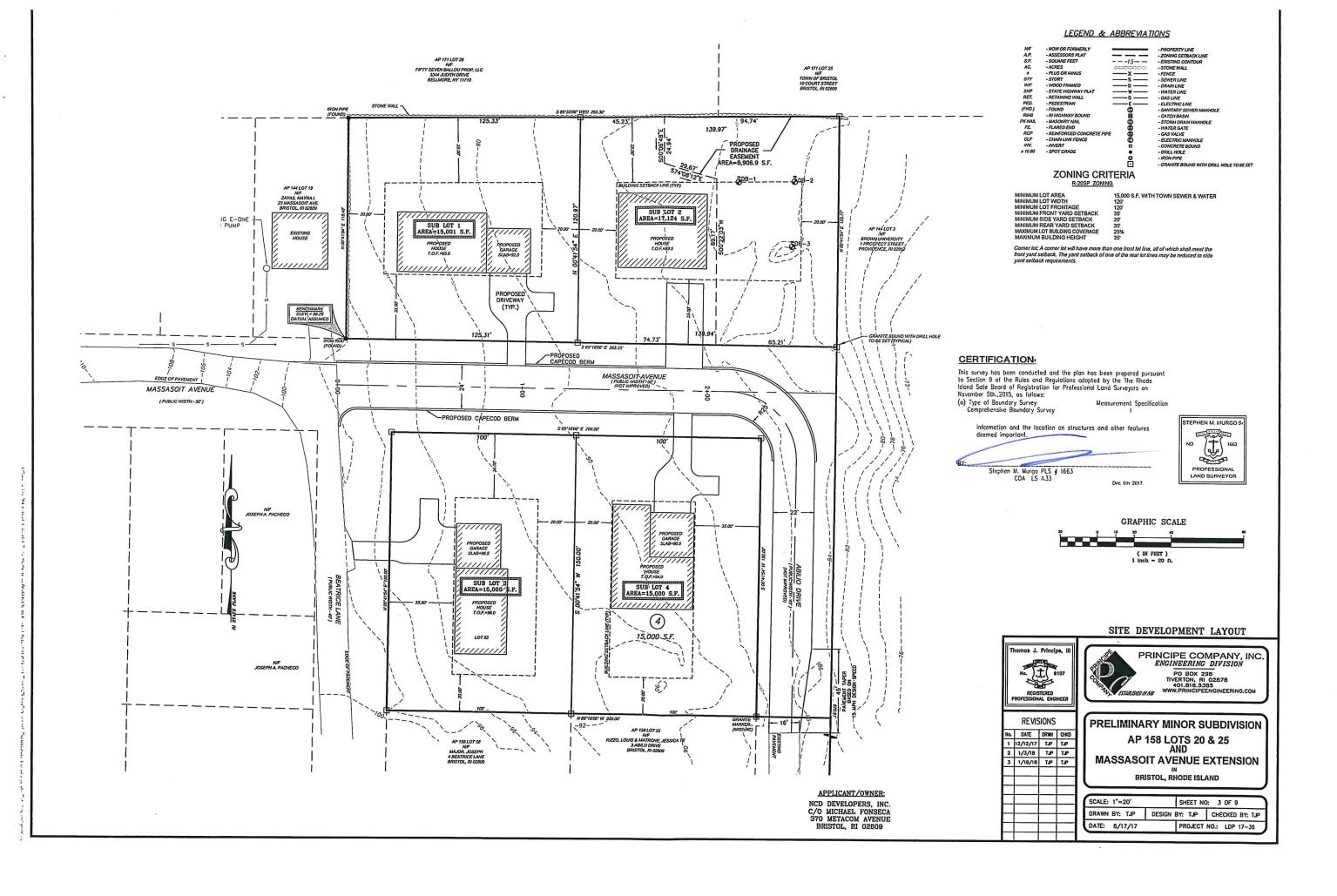
ZONING CRITERIA

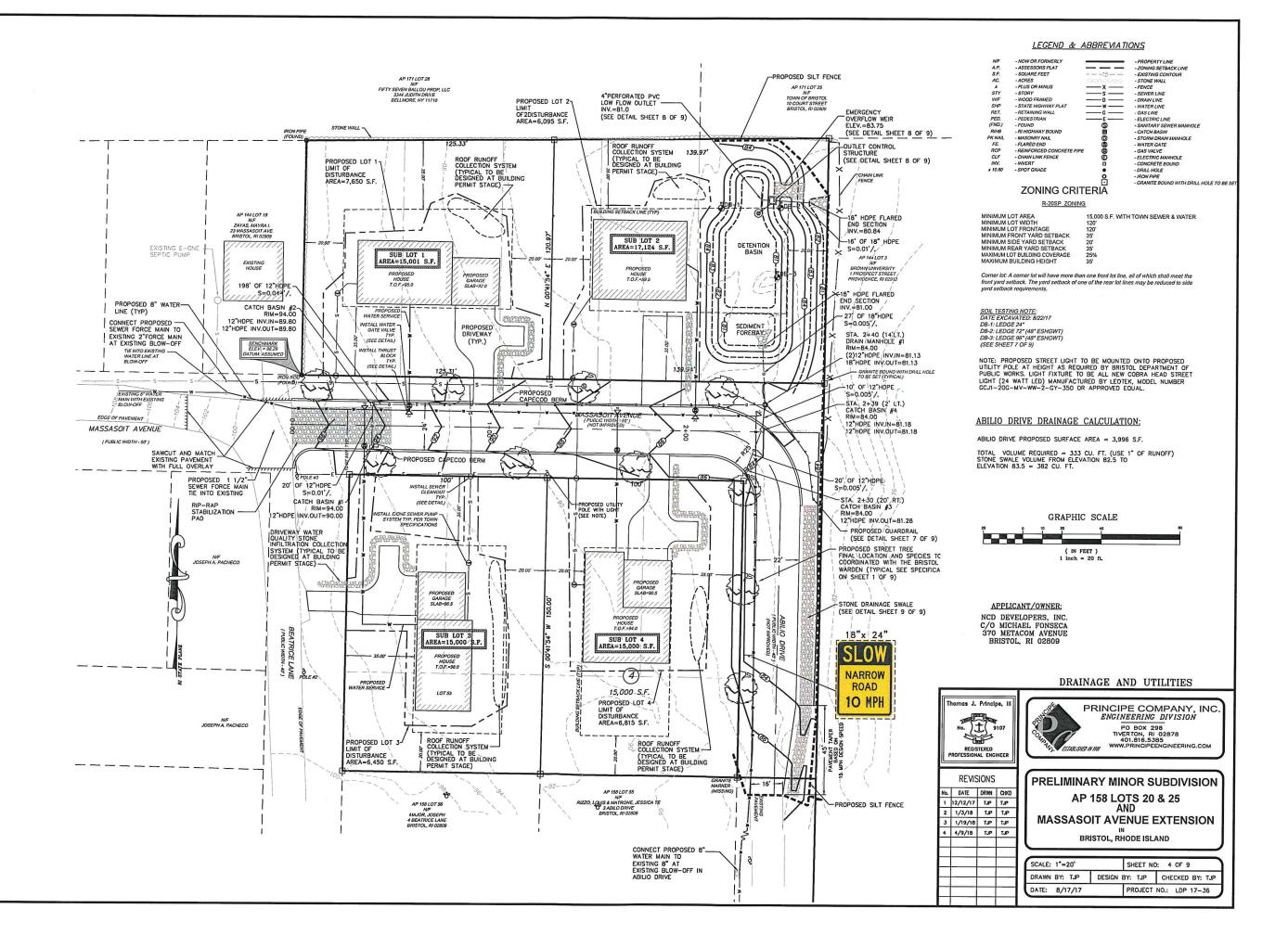
R-20SP ZONING

MINIMUM LOT AREA
MINIMUM LOT WDTH
MINIMUM LOT FRONTAGE
**MINIMUM FRONT YARD SETBACK
**MINIMUM SIDE YARD SETBACK
**MINIMUM REAR YARD SETBACK
MAXIMUM LOT BUILDING COVERAGE 15,000 S.F. WITH TOWN SEWER & WATER

Corner lot: A corner lot will have more than one front lot line, all of which shall meet the front yard selback. The yard selback of one of the rear lot lines may be reduced to side yard selback requirement.







GENERAL NOTES:

- 1. THE STATE OF RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, AND THE RHODE ISLAND STANDARD DETAILS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. THE 2004 STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION WEB PAGE. THESE SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO.
- 2. ALL REQUIRED SITE IMPROVEMENTS SHALL BE INSPECTED BY THE TOWN ENGINEER TO ENSURE SATISFACTORY COMPLETION. IN NO CASE SHALL THE INSTALLATION OF ANY IMPROVEMENTS BE STAFTED UNITL PRIOR NOTIFICATION IS GIVEN TO THE TOWN ENGINEER. AT LEAST A 48-HOUR NOTICE SHALL BE GIVEN TO THE TOWN ENGINEER PRIOR TO ANY SUCH START OF CONSTRUCTION. A FINAL INSPECTION OF ALL SITE IMPROVEMENTS, UTILITIES AND GRADING WILL BE AND CHARMING WHETHER THE WORK IS SATISFACTORY AND IN SUBSTANTIAL GREENING WITH THE APPROVED FINAL CONSTRUCTION ORAWING AND THE TOWN SPECIFICATIONS.
- 3. LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL CHECK AND VERHEY LOCATIONS OF ALL EXISTING UTILITIES BOTH UNDERGROUND AND OVERHEAD. ANY DAMAGE TO EXISTING UTILITIES AS SHOWN OR NOT SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS OF SUCH DAMAGE SHALL BE BORNE BY THE CONTRACTOR. NO EXCAVATION SHALL BE DONE UTIL ALL INVOLVED UTILITY COMPANIES ARE NOTIFIED 48—HOURS IN ADVANCE. THE CONTRACTOR SHALL BE RESPONSIBLE TO NOTIFY DIG—SAFE (1—BOD—344—723.3) A MINIMUM OF 48 WORKING HOURS, EXCLUDING WEEKENDS AND HOULDAYS, PRIOR TO THE START OF ANY EXCAVATION AND/OR BLASTING WORK. THE NAME OF THE COMPANY PERFORMING THE EXCAVATION AND/OR BLASTING WORK.
- 4. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY, BUT NOT LIMITED TO, THE STATE OF RHODE ISLAND, THE FEDERAL GOVERNMENT, THE TOWN OF BRISTOL AND ALL INDIVIDUAL UTILITY COMPANIES PRIOR TO COMMENCING ANY WORK.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- 6. THE INSTALLATION OF THE WATER UTILITY IMPROVEMENTS SHALL CONFORM TO THE RECUIREMENTS OF THE BRISTOL COUNTY WATER DEPARTMENT AND THE AMERICAN WATER WORKS STANDARDS.
- 7. ALL MATERIAL FOR FILL SHALL BE CLEAN AND FREE OF MATTER WHICH COULD POLLUTE ANY DOWN STREAM WATERCOURSE.
- 8. VERTICAL DATUM: MEAN SEA LEVEL (NGVD 29).
- 9. FILL MATERIAL SHALL BE COMPACTED IN ONE FOOT (MAXIMUM) LIFTS TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557 (MODIFIED PROCTOR TEST).

STORM DRAINAGE SYSTEM MAINTENANCE PLAN:

- THE FOLLOWING LIST OF MAINTENANCE TASKS AND FREQUENCIES MUST BE ADHERED TO IN ORDER TO INSURE A SUCCESSFUL LONG TERM OPERATION OF THE STORM DRAINAGE SYSTEM.
- 1. DURING CONSTRUCTION ACTIVITIES ALL EROSION CONTROLS ON THE SITE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (?) CALENDAR DAYS AND WITHIN TWANTY FOUR (24) HOURS AFTER AN EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAIN IN A TWENTY FOUR (24) HOUR PERIOD.
- SEDIMENTS SHALL BE REMOVED FROM THE ALL BASINS IMMEDIATELY AFTER SITE STABILIZATION.
- 3. ALL TRASH, LITTER AND OTHER DEBRIS SHALL BE REMOVED FROM ALL STORM WATER INLET AND OUTLET STRUCTURES A WINIMUM OF TWICE PER YEAR. THESE STRUCTURES SHALL ALSO BE INSPECTED TWICE PER YEAR. INSPECTIONS SHALL BE PERFORMED SEVERAL TIMES WITHIN THE FIRST SIX MONTHS OF OPERATION.
- 4. INSPECTIONS OF ALL CATCH BASINS SHALL OCCUR ON AN ANNUAL BASIS TO CHECK FOR DEBRIS REMOVAL (SEDIMENT AND HYDROCARBONS) AND STRUCTURAL INTEGRITY OR DAMAGE. SUCH DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY.
- 5. REPAIRS OR REPLACEMENT OF INLET/OUTLET STRUCTURES OR ANY ELEMENT OF THE FACILITY SHALL BE DONE WITHIN THIRTY (30) DAYS OF DEFICIENCY REPORTS. IF AN EMERGENCY SITUATION IS IMMINENT THEN REPAIR/REPLACEMENT SHALL BE DONE IMMEDIATELY TO AVERT FAILURE OR DANGER TO NEARBY
- MAKE REPAIRS IMMEDIATELY USING APPROPRIATE STONE SIZES. DO NOT PLACE STONES ABOVE FINISHED GRADE.
- ALL REMOVED SEDIMENTS AND DEBRIS SHALL BE DISPOSED OF OFF SITE IN IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.
- 8. ALL OUTLET STRUCTURES AND OUTFLOW CHANNELS WILL BE INSPECTED ANNUALLY. INSPECTIONS WILL BE ACCOMPUSHED SEVERAL TIMES DURING THE FIRST SIX MONTHS OF OPERATION, ESPECIALLY AFTER RAINFALL EVENTS TO CHECK FOR CLOGGING OR, CONVERSELY, TOO RAPID OF A RELEASE.
- 9. REPAIRS OR REPLACEMENT OF INLET/OUTLET STRUCTURES, RIP-RAP CHANNELS, FENCES, OR OTHER ELEMENTS OF THE FACILITY MILL BE DONE WITHIN 30 DAYS OF DEFICIENCY REPORTS. IF AN EMERGENCY SITUATION IS IMMINENT THEN REPAIR/REPLACEMENT MUST BE DONE IMMEDIATELY TO AVERT FAILURE OR DANCER TO MEARBY RESIDENTS.
- 10. ALL SEDIMENT GENERATED DURING CONSTRUCTION AND AS A RESULT OF MAINTENANCE OF THE DRAINAGE SYSTEM MUST BE DISPOSED OF PROPERLY. SEDIMENT SHALL NOT BE DISPOSED OF IN OR NEAR STATE OR FEDERAL REGULATED WATERS.
- 11. RECORDS OF THE FIRST TWO YEARS OF MAINTENANCE FOLLOWING CONSTRUCTION SHALL BE SUBMITTED TO RIDEM DIVISION OF WATER RESOURCES, MAINTENANCE RECORDS FOR SUBSEQUENT YEARS SHALL BE KEPT ON FILE AND SUBMITTED TO RIDEM, DIVISION OF WATER RESOURCES, UPON REQUEST.
- 12. Grasses shall be planted around and within the detention basin immediately following construction to stabilize slopes and prevent erosion. Trees and shrubs are not to be planted on basin slopes.
- 13. All drainage structures are to be inspected at least three times in the first six months of operation. Evidence of clagging or rapid release of flow shall be remedied immediately.
- 14. Side slopes, embankments, and the upper stages of all detention bosins are to be mowed at least three times per growing season, to prevent unwanted growth, and to maintain the capacity and integrity of the facilities. Mowing should include the removal of woody growth, which may compromise the integrity of the basin slopes.

- 15. The grassed areas of all basins are to be inspected at least twice a year to check for erosion problems. Areas subject to erosion problems shall be re-seeded immediately to stabilize any exposed soils. Where pools of stagnant water are observed in a detention bosin, the deficiency shall be corrected immediately. This will prevent the
- formation of a nuisance habitat for insects. 16. Trash, litter and other debris are to be removed from all stormwater facilities at least twice a year to prevent blockage of inlet and outlet structures, and hence failure of the structure. Where the amounts of debris found are large, a careful inspection of all adjacent inlet and outlet structures shall be undertaken to identify any damage that may have occurred. Litter shall be removed from the detention basin prior to moving operations.
- 17. If a blockage occurs to a bosin autlet, it may necessary to drain the basin in order to effect a repair. All water that is drained from the basin shall be adequately filtered to remove suspended solids prior to discharge to a receiving body.
- 18. All catch basins shall be inspected at least twice a year for debris and the presence of potential pollutants. Catch basins and manholes
- 19. Maintenance of the stormwater system during the construction
- 20. On completion of construction maintenance of the stormwater

EROSION CONTROL AND SOIL STABILIZATION PROGRAM: DENUDED SLOPES SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS THE INACTIVE WINTER SEASONS.

- 2. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS). THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 2000
- 4. ALL HAY BALES OR TEMPORARY PROTECTION SHALL REMAIN IN-PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- 5. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH RHOOE ISLAND STANDARD
- 6. THE SEED MIX SHALL BE INOCULATED WITHIN 24-HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDED SHALL 7. THE DESIGN MIX UTILIZED IN ALL OF BE COMPRISED OF THE FOLLOWING:
 TYPE
 CREEPING RED FESCUE
 ASTORIA BENTGRASS
 5 SEEDING DATE APRIL 1 - JUNE 15 AUGUST 15 - OCTOBER
- APPLICATION RATE 100 LBS/ACRE
 LIMING AND FERTILIZING AS REQUIRED TO COMPLIMENT OR UPGRADE
 EXISTING CONDITIONS.
- 8. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR, AND SHALL DO SO AT NO ADDITIONAL EXPENSE.
- 9. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
- 10. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
- 11. STOCKPILES OF TOPSOIL AND EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%) AND STOCKPILE SHALL ALSO BE SEEDED AND/OR STABILIZED.
- 12. ON BOTH STEEP AND LONG SLOPES, CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS. 13. TREES TO BE RETAINED SHALL BE FENCED OR ROPED OFF TO PROTECT THEM FROM CONSTRUCTION EQUIPMENT,
- 14. ALL PROPOSED PLANTINGS MUST BE ACCOMPLISHED AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION, AND AT LEAST PRIOR TO
- 15. ALL PROPOSED PLANTINGS MUST BE MAINTAINED BY THE PROPERTY OWNER TO ENSURE SURVIVAL
- 16. SHOULD ANY OR ALL OF THE PROPOSED PLANTS FAIL TO SURVIVE AT LEAST ONE (1) FULL GROWING SEASON FROM THE TIME THEY HAVE BEEN PLANTED, THE OWNER SHALL BE FULLY RESPONSIBLE FOR REPLACING AND MAINTAINING THE SAME PLANT SPECIES FOR ONE (1) ADDITIONAL GROWING SEASON.
- 17. ALL DISTURBED AREAS MUST BE SEEDED OR PLANTED WITHIN THE CONSTRUCTION SEASON.
- TEMPORARY SEEDING MUST BE DONE WITHIN ONE (1) MONTH AFTER DISTURBANCE.
- 19. ALL DISTURBED AREAS MUST BE PERMANENTLY SEEDED OR PLANTED BEFORE OCTOBER 1ST, IF NOT THEY MUST BE TEMPORARILY SEEDED.

MAINTENANCE RESPONSIBILITY

THE APPLICANT IS RESPONIBLE FOR THE MAINTENANCE OF ALL DRAINAGE STRUCTURES.

SEDIMENTATION CONTROL PROGRAM:

- 1. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER DRAINAGE SYSTEMS.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUN-OFF FLOW DURING STORMS AND PERIODS OF
- 3. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL. 4. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORMWATER FLOWAGE.
- 5. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
- SEDIMENTATION TRAPS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURES
- 7. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THE STEP PRIOR TO THE START OF CONSTRUCTION AND BE PROPERLY MAINTAINED UNTIL ALL DISTURBED AREAS ARE STABILIZED INCLUDING:

- AND THE INSTALLATION OF A CONTINUOUS LINE OF STAKED HAYBALES IN ALL LOCATIONS SHOWN ON THE APPROVED SITE PLANS AND WHERE OTHERWISE NECESSARY TO PREVENT SEDIMENTS FROM ENTERING DOWNSTREAM WATERCOURSES AND STORMWATER PRAINAGE SYSTEMS.

 B) ALL DISTURBED AREAS ARE TO BE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER PRIOR TO THE COMPLETION OF THE PROJECT. AREAS EXPOSED FOR EXTENDED PERIODS ARE TO BE COMPLETELY COVERED WITH SPREAD HAY MULCH.

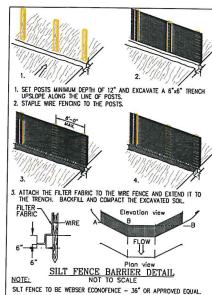
 C) CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD AND UNIT! ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. SUMPS ARE TO BE CLEANED MIMEDIATELY FOLLOWING INSTALLATION OF PERMANENT PAVEMENT.

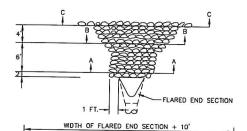
 D) OUTFALLS ARE TO BE PROTECTED BY HAYBALE FILTERS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH APPROVED GROUND COVER.

 E) ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
- B. THE LIMITS OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE SHALL REMAIN TOTALLY UNDISTURBED.
- UPON COMPLETION OF CONSTRUCTION OF SITE IMPROVEMENTS AND THE STORMWATER DRAINAGE SYSTEM, ALL CATCH BASINS AND STORM DRAIN PIPING SHALL BE CLEANED OF SEDIMENT. DETENTION BASINS SHALL BE CLEANED OF SEDIMENT TO THE DESIGN GRADES INDICATED
- 10. AT NO TIME DURING CONSTRUCTION SHALL THE SUBGRADE OF THE SITE BE SUCH THAT SURFACE RUNOFF WILL BE PERMITTED TO DIRECTLY ENTER ANY DRAINAGE STRUCTURE. A THE PROPARTY DEPRESSED AREA AROUND THE STRUCTURE SHALL BE INCOMPORATED AS A SEDMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH HAYBALES AROUND THE COMPLETE PERMIETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- HAYBALE EROSION CHECKS SHALL BE MAINTAINED AROUND ALL CATCH BASINS UNTIL ALL UPGRADIENT DISTURBED AREAS ARE STABILIZED BY PAVEMENT OR VECETATION.
- 12. ALL COMPONENTS OF THE DRAINAGE SYSTEM MUST BE CLEANED OF SEDIMENT BY THE APPLICANT OR HIS REPRESENTATIVE IMMEDIATELY AFTER CONSTRUCTION IS COMPLETED.
- 13. INSPECT TEMPORARY DIVERSIONS AND THEIR COMPONENTS ONCE A WEEK AND AFTER EVERY RAINFALL. DAMAGE CAUSED BY CONSTRUCTION TRAFFIC OR OTHER ACTIVITY SHOULD BE REPAIRED BEFORE THE END OF EACH WORKING DAY. A SEDIMENTATION TRAP. THE MOUTH OF THE TRAP SHALL BE LINED WITH ANYBALES AROUND THE COMPLETE PERIMETER. DURING ALL PRELIMINARY STAGES, THE TOP OF THE STRUCTURE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- 14. CHECK DAMS SHALL BE INSTALLED EVERY JOD FEET FOR SLOPES OF 1% OR LESS, EVERY 200 FEET FOR SLOPES OF 2%, EVERY 150 FEET FOR SLOPES OF 3% TO 5%, AND EVERY 100 FEET FOR SLOPES OF 5% OR GREATER.
- 15. SEDIMENTS SHOULD BE REMOVED FROM THE CHECK DAM WHEN IT REACHES ONE-HALF THE DAM HEIGHT.

CATCH BASIN AND WATER QUALITY INLET TANK

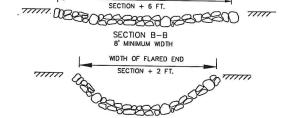
- SEDIMENTATION CONTROL AND MAINTENANCE: I. AT NO TIME DURING CONSTRUCTION SHALL THE SUBGRADE OF THE SITE BE SUBTRIANE OF THE SITE BE SUBTRIANE OF THE SITE BE SUBTRIANCE STRUCTURE. A TEMPORARY DEPRESSED AREA AROUND THE OWNER DAYS OF THE STRUCTURE AND THE SUBGRADE OF THE STRUCTURE AS THE STRANGE SEDIMENTATION TRAP. THE MOUTH OF THE TEAP SHALLE BE COMPLETE STRANGE SHALL ALWAYS BE HIGHER THAN THE SUBGRADE.
- 3. ALL COMPONENTS OF THE DRAINAGE SYSTEM MUST BE CLEANED OF SEDIMENT BY THE APPLICANT OR HIS REPRESENTATIVE IMMEDIATELY AFTER CONSTRUCTION IS COMPLETED.





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SECTION C-C 10' MINIMUM WIDTH OF FLARED END SECTION



NOTES:

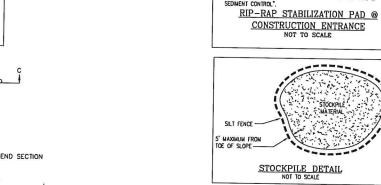
SECTION A-A 5' MINIMUM WIDTH

. Class of Rip-Rap and Bedding to Be specified in contract documents.
DIMENSIONS MAY BE MODIFIED BY ENGINEER TO MEET FIELD CONDITIONS
UNLESS OTHERWISE SPECIFIED, DUMPED RIP-RAP SHALL BE USED.

ROCK FILL RIP-RAP @ FLARED END SECTIONS NOT TO SCALE

RIP-RAP TABLE

M02.02.4 = 8" - 95 / 100%4" - 0 / 25% 2½" - 0 / 5%





Installation

Remove Drain Grate

Insert Sletsack

Replace Grate to hold siltsack in Position

Remove Filled Siltsacks

Colean and Gener

CONSTRUCTION

% FINER

90-100 35-70

0-15

4" MIN.

FILTER FARRIC

SQUARE MESH 2"CRUSHED STONE SIEVES OR GRAVEL

NOTE:

MATERIALS SIZE

STABILZATION PAD TO BE IN CONFORMANCE WITH STANDARDS SET FORTH IN THE "RHODE ISLAND GUIDELINES FOR SOIL &

% FINER

0-5

AS MANUFACTURED BY ACF ENVIROMENTAL OR APPROVED FOUAL

> SILT SACK DETAIL NOT TO SCALE

> > FSTARI ISHFO IN IONI

CONSTRUCTION DETAILS-1



PRINCIPE COMPANY, INC. ENGINEERING DIVISION PO BOX 298 TIVERTON, RI 02878 401.816.5385 WWW.PRINCIPEENGINEERING.COM

REVISIONS o. DATE DRWN CHKD 1 1/3/18 TJP TJP 2 1/19/18 TJP TJP

PRELIMINARY MINOR SUBDIVISION AP 158 LOTS 20 & 25 MASSASOIT AVENUE EXTENSION

BRISTOL, RHODE ISLAND

SHEET NO: 6 OF 9 DRAWN BY: TJP DESIGN BY: TJP CHECKED BY: TJP DATE: 8/17/17 PROJECT NO.: LDP 17-36

NCD DEVELOPERS, INC. C/O MICHAEL FONSECA

APPLICANT/OWNER: 370 METACOM AVENUE BRISTOL, RI 02809

