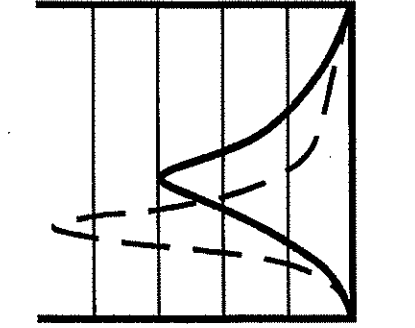


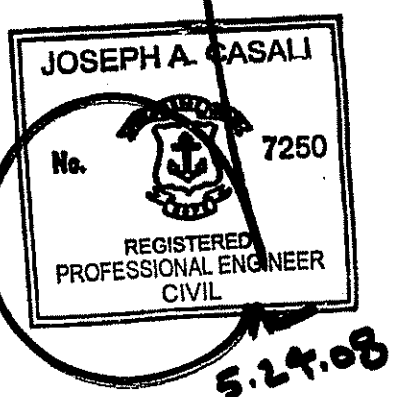
SITE PLANS FOR THE PROPOSED JOHNSTON RECREATION ATHLETIC FIELDS

AP 47/1 LOTS 7 & 8
ATWOOD AVENUE
JOHNSTON, RHODE ISLAND

ZONING DISTRICT: R-40



CDE
CASALI & D'AMICO ENGINEERING, INC.
DRAINAGE - WETLANDS - EIDS - TRAFFIC - FLOODPLAIN
300 POST ROAD, WARWICK, RI 02888
(401) 944-1300 (401) 944-1313 fax www.casaliandamico.com



JOHNSTON RECREATION
ATHLETIC FIELDS
ATWOOD AVENUE
JOHNSTON, RHODE ISLAND
AP 47/1 LOTS 7 & 8

MAY 29 2008

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/07	Town modifications and RIDEM re-submission
2	10/07	RIDEM Comments
3	1/08	RIDEM re-submission
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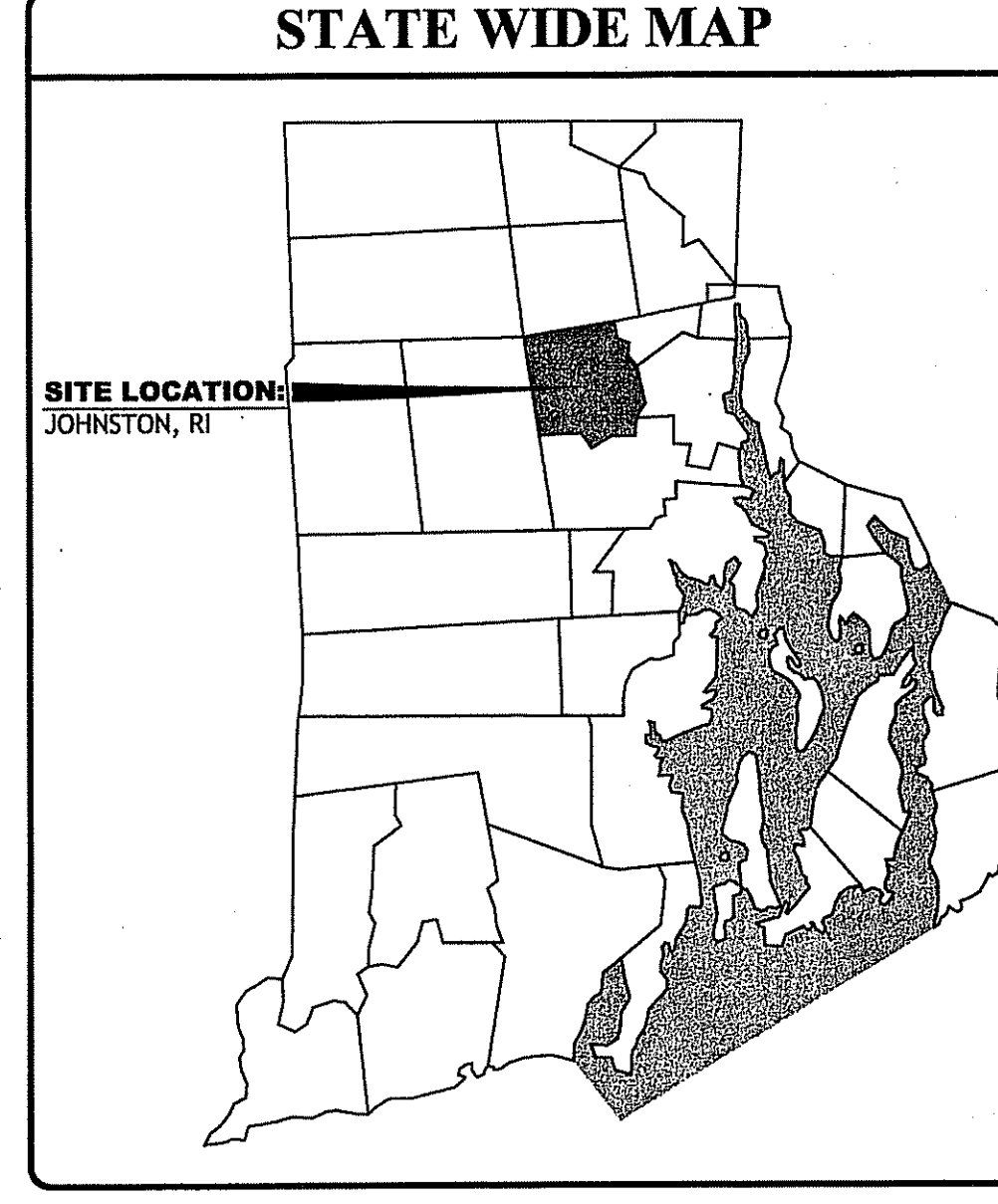
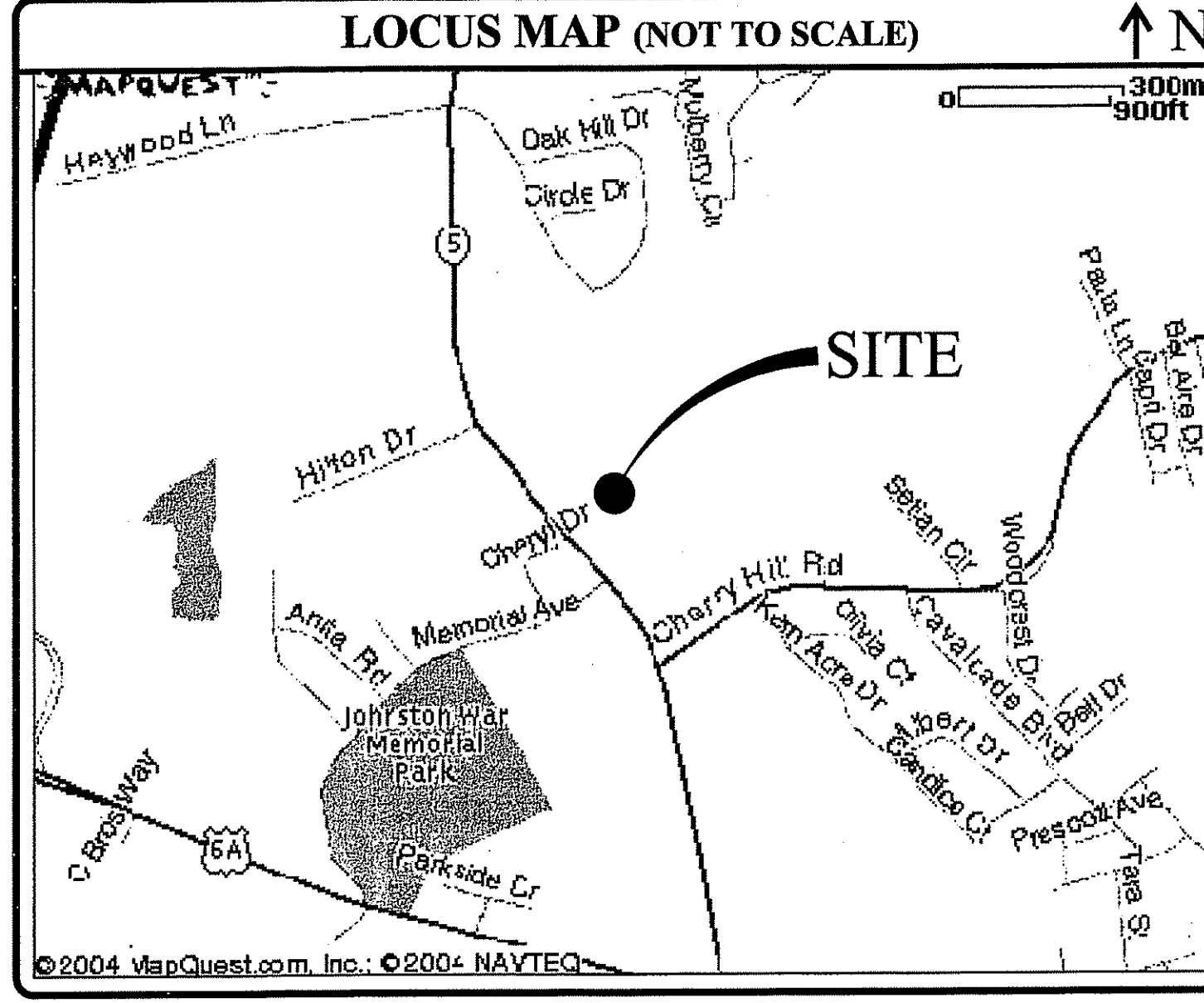
DESIGNED BY: JDC
DRAWN BY: JDC
CHECKED BY: JAC
DATE: AUGUST 2006
PROJECT NO: 03-37b

PRELIMINARY, NOT FOR CONSTRUCTION

COVER SHEET

SHEET 1 OF 12

PROJECT TEAM	
OWNER:	TOWN OF JOHNSTON RECREATIONAL DEPARTMENT JOHNSTON WAR MEMORIAL PARK 1583 HARTFORD AVENUE JOHNSTON, RI 02919
CIVIL:	CASALI & D'AMICO ENGINEERING, INC. 300 POST ROAD WARWICK, RI 02888 PHONE: 401-944-1300 FAX: 401-944-1313



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12	WETLAND RESTORATION PLAN

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 10 2008 FILE # 04-0109
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman

03-03-37- JOHNSTON RECREATION SOCCER FIELD VACAD PLAN-SET- SOCCER FIELD (PLAN-SET).dwg, May, 20, 2008, 12:00pm

GENERAL NOTES:

- SURVEY PLAN REFERENCE:
STATE HIGHWAY PLAT NO. 1609

PLAN ENTITLED "SURVEY PLAN, ASSESSOR'S MAP 47 LOTS 7 AND 8, ATWOOD AVENUE, JOHNSTON, RI, PREPARED FOR THE TOWN OF JOHNSTON", SCALE 1" = 50' DATED SEPTEMBER 1, 1996, PREPARED BY FLYNN SURVEYS COMPANY JAMES G. FLYNN-PROFESSIONAL LAND SURVEYOR.

PLAN ENTITLED "DIGITAL PHOTOGRAMMETRIC MAPPING FOR COMMUNITY CENTER, JOHNSTON, RI" PREPARED FOR THE TOWN OF JOHNSTON, BY AEROTECH INDUSTRIES, WITH FIELD CONTROL BY LOUIS FEDERICI & ASSOCIATES, DATED JUNE 24, 1997, SCALE 1" = 40'.

SUPPLEMENTAL TOPOGRAPHIC SURVEY INFORMATION SURVEYED BY MARC N. NYBERG ASSOCIATES, INC.
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR CITY WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
- THIS SITE LIES IN FLOOD ZONE X (AREA OF MINIMAL FLOODING), AS SHOWN ON THE FIRM MAP FOR THE TOWN OF JOHNSTON, RI COMMUNITY PANEL NO. 440018 0010C, MAP REVISED NOVEMBER 17, 1993.
- SOILS EXISTING ON THE SITE ARE FAXTON AND WOODBRIDGE, ALL HYDROLOGIC SOIL GROUP C.
- SOIL EVALUATIONS WERE COMPLETED BY MARC NYBERG AND ASSOCIATES, INC. ON MAY 8, 2002 AND JUNE 30, 2004.
- ALL WORK WITHIN THE STATE'S RIGHT OF WAY WILL CONFORM TO RIDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION INCLUDING ALL REVISIONS AND STANDARD DETAILS, JUNE 15, 1998, AS AMENDED BY REVISION

SITE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND LEGALLY DISPOSING (R&D) OF ALL MATERIALS INDICATED ON THE PLANS.
- STOCKPILES OF EARTH MATERIALS SHALL NOT BE LOCATED ADJACENT TO DRAINAGE STRUCTURES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SURVEY LAYOUT SERVICES FOR THE WORK AND SHALL SUBMIT "AS-BUILT" DRAWINGS OF ALL WORK, WHICH SHALL BE STAMPED AND CERTIFIED BY A RHODE ISLAND REGISTERED PROFESSIONAL LAND SURVEYOR.
- ANY ITEM OF WORK NOT SPECIFICALLY INDICATED ON THE PLANS BUT IS REQUIRED FOR THE COMPLETE CONSTRUCTION OF THE PROJECT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND INCLUDED IN THE CONTRACT BID PRICE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING SITE CONDITIONS.
- WHERE NECESSARY TO REMOVE CURBS, CATCH BASINS OR DRAINS TO COMPLETE WORK, THE CONTRACTOR SHALL REPLACE SUCH ITEMS TO THE SATISFACTION OF THE TOWN AT NO ADDITIONAL COST TO THE OWNER.
- ANY EXISTING PIPE OR UTILITY DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT NO COST TO THE OWNER OR TOWN.
- THE CONTRACTOR SHALL RESTORE TO ITS ORIGINAL CONDITION OR REPLACE TREES, SHRUBS, FENCES, SIGNS, GUARDRAILS, DRIVEWAYS, SIDEWALKS AND ANY OTHER OBJECT AFFECTED BY THIS OPERATION.
- THE TOPS OF ALL VALVE BOXES AND CURB BOXES SHALL BE FLUSH WITH GROUND OR PAVEMENT SURFACE LEVEL AND PLUMB, UNLESS OTHERWISE DIRECTED.
- ROADWAYS SHALL BE LEFT PASSABLE AT ALL TIMES. CLOSURE OF ROADWAY IS NOT PERMITTED.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AT COMPLETION OF EACH DAY'S WORK.
- WATER SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- ALL LEDGE TO BE REMOVED BY MECHANICAL MEANS.
- ALL CONSTRUCTION WORK SHALL BE PERFORMED IN THE DRY. THE CONTRACTOR SHALL PROVIDE, OPERATE AND MAINTAIN ALL PUMPS, DRAINS, WET POINTS, SCREENS OR OTHER FACILITIES NECESSARY TO CONTROL, COLLECT AND DISPOSE OF ALL SURFACE AND SUBSURFACE WATER ENCOUNTERED IN THE PERFORMANCE OF THE WORK.
- ALL SITE WORK, INCLUDING BUT NOT LIMITED TO, BITUMINOUS PAVEMENT, ROADWAY CONSTRUCTION, AGGREGATE MATERIALS, DRAINAGE STRUCTURES, CURBING, SIDEWALK, LANDSCAPING, SAW CUTTING, ETC. SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADWAY AND BRIDGE CONSTRUCTION, 2004 EDITION (WITH LATEST ADDENDA) AND THE RIDOT STANDARD DETAILS, 1998 EDITION (WITH LATEST ADDENDA).
- ALL EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES WILL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. THE E&S CONTROLS SHALL BE CLEANED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION OPERATIONS AND UNTIL ALL DISTURBED AREAS ARE STABILIZED AFTER CONSTRUCTION IS COMPLETE. E&S CONTROLS SHALL BE INSPECTED AND CLEANED AFTER ALL STORM EVENTS AND/OR UPON THE REQUEST OF THE OWNER OR ENGINEER. CONTRACTOR SHALL MAINTAIN AN ADEQUATE SUPPLY OF HAYBALES ON SITE TO BE INSTALLED IN AREAS WHERE EXISTING E&S CONTROLS HAVE FAILED OR AS DETERMINED BY THE ENGINEER.

LAYOUT NOTE:

THE LAYOUT SHOWN REPRESENTS A GRAPHICAL DESIGN, AND PRIOR TO THE CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A PROFESSIONAL LAND SURVEYOR (PLS) REGISTERED IN THE STATE OF RHODE ISLAND TO SET AND VERIFY ALL LINES AND GRADES. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY ITEMS FOUND WHICH DO NOT MATCH THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION FOR REVIEW. NO WORK SHALL PROCEED UNTIL AUTHORIZED BY THE ENGINEER.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING POLICE PROTECTION. ALL TEMPORARY AND VEHICULAR SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST REVISIONS OF MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- TEMPORARY CONSTRUCTION SIGNS AND ALL APPLICABLE TRAFFIC CONTROL DIVIDES SHALL BE IN PLACE PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC.
- THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED IN THE STATE RIGHT-OF-WAY.
- ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS CHANNELING DEVICES, ETC. SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2003 EDITION WITH LATEST ADDENDA.
- SIGN MOUNTINGS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. SPECIFICATIONS FOR TEMPORARY CONSTRUCTION SIGNS.

DRAINAGE SYSTEM MAINTENANCE SCHEDULE:

UPON PROJECT COMPLETION, THE PROPERTY OWNER SHALL ADHERE TO THE FOLLOWING MAINTENANCE PLAN AND SCHEDULE:

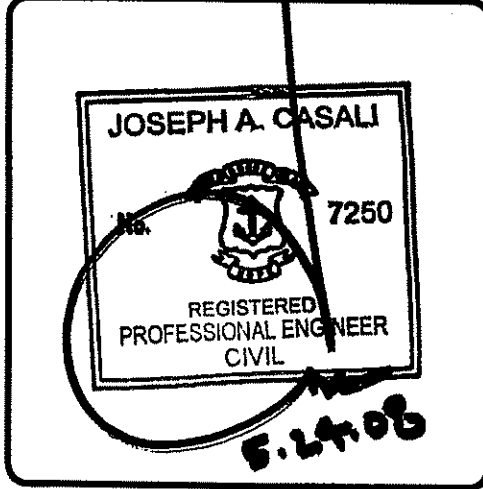
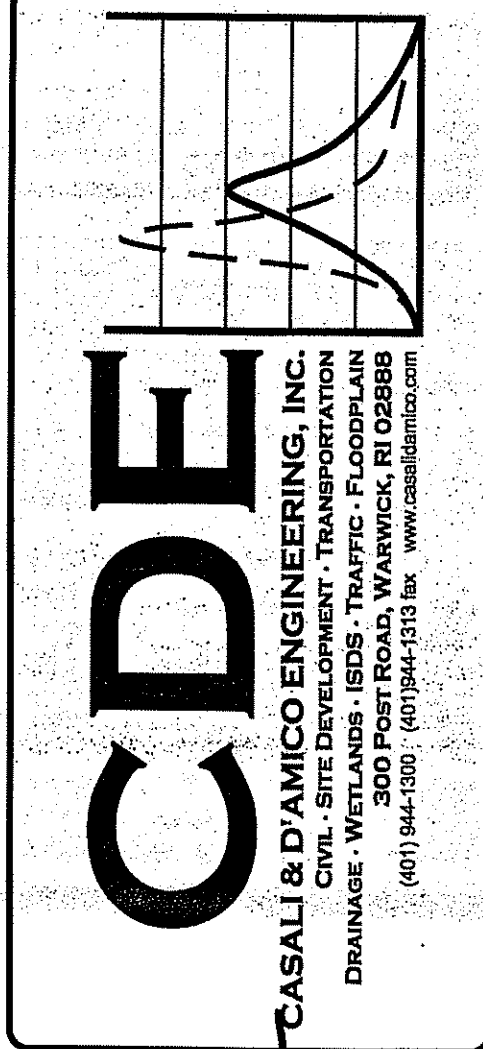
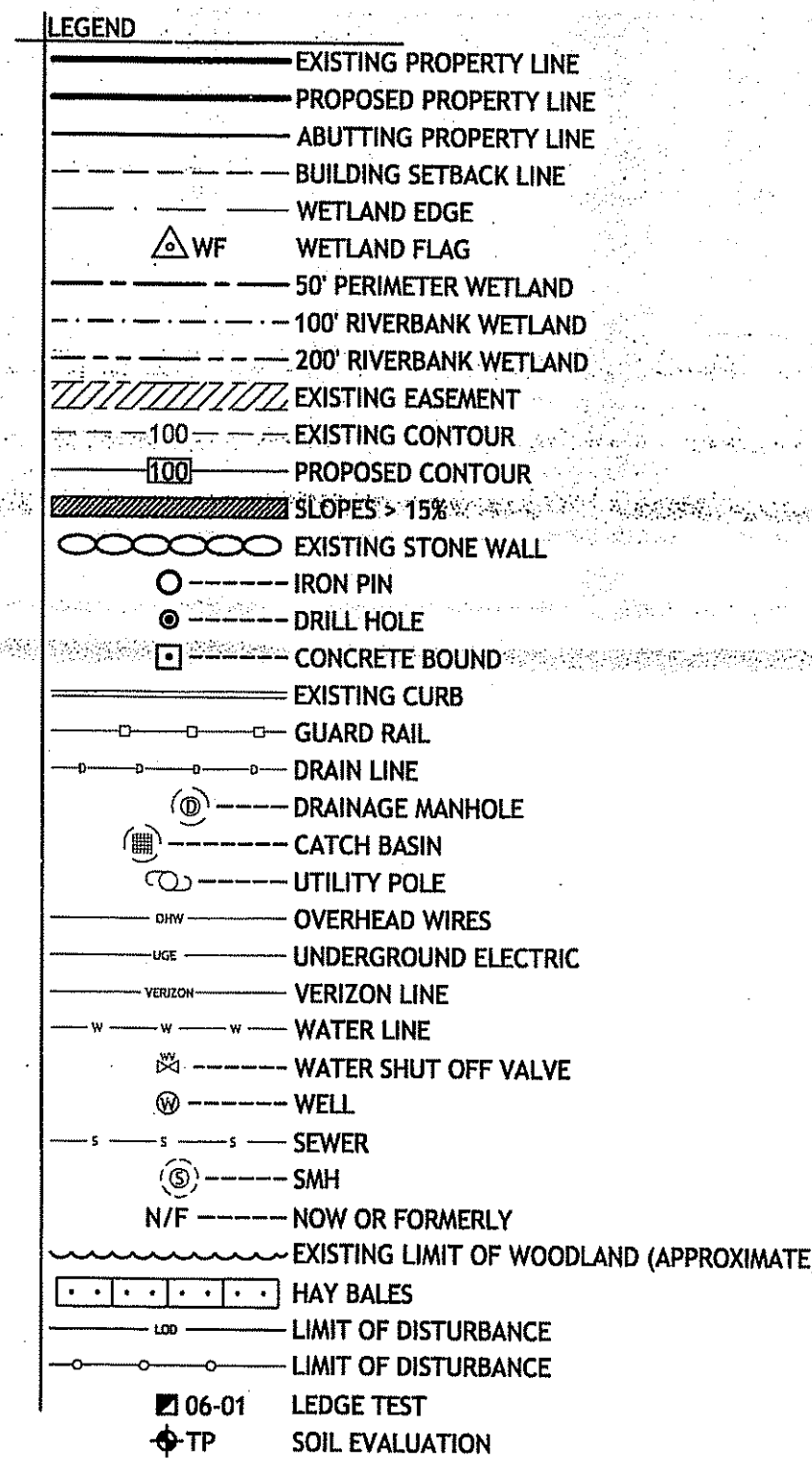
- CATCH BASINS, MANHOLES AND DRAIN LINES:**
AN INSPECTION MUST OCCUR ON AN ANNUAL BASIS BY QUALIFIED PERSONAL TO ENSURE PROPER OPERATION. THE INSPECTION SHOULD, AS A MINIMUM, CONCENTRATE ON THE FOLLOWING:
 - DAMAGE TO GRATES AND/OR COVERS
 - EVIDENCE OF STANDING WATER
 - DEBRIS REMOVAL
 - STRUCTURAL ALIGNMENT/ INTEGRITY
 ANY DEFICIENCY NOTED DURING THE INSPECTION WILL BE IMMEDIATELY REPAIRED OR REPLACED.
- SEDIMENT REMOVAL:**
ALL REMOVED SEDIMENT IS TO BE TESTED TO DETERMINE POLLUTANT CONTENT. THE SEDIMENT IS TO BE PROPERLY DISPOSED IN UPLAND AREAS BASED UPON THE TEST RESULTS AND LOCAL, STATE, AND FEDERAL REGULATIONS.

DRAINAGE SYSTEM NOTES:

- ALL RIM ELEVATIONS SHOWN ARE APPROXIMATE AND ARE TO BE SET FLUSH WITH FINAL GRADES.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- THE HAYBALE AND SILT FENCE LINE ILLUSTRATED ON THESE PLANS SHALL SERVE AS THE STRICT LIMIT OF DISTURBANCE FOR THE PROJECT WITHIN OR ADJACENT TO REGULATED FRESHWATER WETLAND AREAS.
 - THE LIMITS OF CLEARING, GRADING, AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THESE LIMITS, AS DEPICTED ON THE PLAN SHALL BE TOTALLY UNDISTURBED, TO REMAIN IN NATURAL CONDITION.
 - ALL CATCH BASINS AND CULVERTS SHALL BE PROTECTED WITH STAKED HAYBALES (R.I. STD. 9.8.0) DURING CONSTRUCTION ACTIVITIES. ALL PROPOSED STORM WATER DISCHARGE AREAS SHALL BE LINED WITH A RIPRAP SPLASH PAD AND PROTECTED WITH STAKED HAYBALE OUTLET PROTECTION (R.I. STD. 9.1.0), OR STAKED HAYBALES WITH SILT FENCE (R.I. STD. 9.3.0) SHALL ALSO BE INSTALLED AT ALL EXISTING STORMWATER DISCHARGE LOCATIONS WHERE DISTRIBUTING PIPES, CATCH BASINS, AND MANHOLES ARE TO BE CLEANED AND FLUSHED.
 - ALL DISTURBED SLOPES EITHER NEWLY CREATED OR CURRENTLY EXPOSED SHALL BE SEEDED, PROTECTED AND MAINTAINED BY THE CONTRACTOR. THE CONTRACTOR SHALL REGULARLY CHECK ALL SEEDED AREAS TO ENSURE THAT A GOOD STAND IS MAINTAINED.
 - ALL HAYBALES, TEMPORARY TREATMENT (HAY, STRAW, ETC.) AND TEMPORARY EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
 - STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES OF NO GREATER THAN 2:1 AND SHALL BE TEMPORARILY SEEDED AND/OR STABILIZED PER CONTRACT SPECIFICATIONS.
 - THE HAYBALES SHALL BE CHECKED BY THE CONTRACTOR ON A WEEKLY BASIS AND AFTER EACH STORM FOR UNDERMINING OR DETERIORATION. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY HAYBALES AS NEEDED. THE CONTRACTOR SHALL CLEAN THE ACCUMULATED SEDIMENT IF HALF OF THE ORIGINAL HEIGHT OF THE HAY-BALES BECOMES FILLED WITH SEDIMENTS.
 - IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL SOIL EROSION AND SEDIMENT CONTROLS ON THE PROJECT SITE FOR THE ENTIRE DURATION OF THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL FOLLOW THE DIRECTION OF THE RESIDENT ENGINEER WITH REGARD TO INSTALLATION, MAINTENANCE, AND REPAIR OF ALL SOIL EROSION AND SEDIMENTATION CONTROLS ON THE PROJECT SITE. TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROLS (HAYBALES, SILT FENCE, ETC.) SHALL BE MAINTAINED UNTIL ALL EXPOSED SOILS ARE SATISFACTORILY STABILIZED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING AND/OR RESEEDING ALL AREAS THAT DO NOT DEVELOP WITHIN ONE YEAR FROM THE COMPLETION OF CONSTRUCTION.
 - ALL REFERENCED SOIL EROSION AND SEDIMENTATION CONTROLS INCLUDING MATERIALS USED, APPLICATION RATES AND THE INSTALLATION PROCEDURES SHALL BE PERFORMED PER THE "RHODE ISLAND EROSION AND SEDIMENTATION HANDBOOK", DATED 1993.
- BMP MAINTENANCE SCHEDULE**
- ALL MAINTENANCE (INCLUDING CLEANING) REQUIRED DURING THE CONSTRUCTION PHASE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL INSPECTED AND ACCEPTED BY THE TOWN ENGINEER. CONTRACTOR'S RESPONSIBILITIES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - MEASURES NEEDED TO ENSURE THE PROPER OPERATION OF THE STORMWATER DRAINAGE SYSTEMS AND WATER QUALITY CONTROL SYSTEMS TO INCLUDE INSPECTION, CLEANING AND REPAIRS TO ALL PIPES, INTAKE AND DISCHARGE STRUCTURES (INCLUDING RIP-RAP SPLASH PADS), CATCH BASIN Sumps, AND MANHOLES.
 - INSPECTION OF ALL SLOPES, BERMS, AND OTHER CONTROL STRUCTURES (INCLUDING ROADWAY SIDE SLOPES FOR STRUCTURAL INTEGRITY, STABILITY AND EVIDENCE OF SOIL EROSION AND SHALL INCLUDE MAINTENANCE OF THESE STRUCTURES IF NECESSARY. INSPECTIONS SHALL BE PERFORMED FOLLOWING ALL RAIN EVENTS OF 1/4 INCH RAINFALL OR MORE IN A 24-HOUR PERIOD, OR BIMONTHLY IF NO RAINFALL EVENT OCCURS.
 - FOLLOWING THE CONSTRUCTION OF A SWALE, A PERMANENT COVER OF RIP RAP SHALL BE INSTALLED. ALL OTHER DISTURBED AREAS WITHIN THE VICINITY OF A SWALE SHALL BE SEEDED AND STABILIZED IMMEDIATELY UPON COMPLETION OF THEIR CONSTRUCTION TO PREVENT EROSION.
 - UPON COMPLETION OF PROJECT CONSTRUCTION, AND PRIOR TO VACATING THE SITE, THE CONTRACTOR SHALL CONDUCT A FINAL INSPECTION, REPAIR ANY VEGETATIVE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, (SEEDED, PLANTING, ETC.) WHERE REQUIRED, AND REPAIR OR REMOVE WHERE APPROPRIATE ANY TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL DEVICES. AFTER PERMANENT SOIL STABILIZATION ON THE ENTIRE SITE HAS OCCURRED, ALL TEMPORARY CONTROL MEASURES MUST BE REMOVED.
 - AFTER THE COMPLETION OF PROJECT CONSTRUCTION AND THE FINAL STABILIZATION OF THE ENTIRE SITE, THE INSPECTION AND MAINTENANCE OF ALL STORMWATER FACILITIES MUST BE PERFORMED BY THE TOWN OF JOHNSTON. THE TOWN'S RESPONSIBILITIES SHALL INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
 - REPLANTING, REGRADING, OR OTHER REPAIRS NEEDED AS A RESULT OF SOIL EROSION AND SEDIMENTATION PROCESSES SHALL BE DONE PROMPTLY TO ENSURE PROPER FUNCTIONING OF THE ENTIRE SYSTEM.
 - ANY TRASH, DEBRIS, ETC. SHOULD BE REMOVED FROM ANY WETLAND AREAS, SWALE, AND PIPE OUTLETS.
 - SWALES SHALL BE MOWED AT LEAST ONCE DURING THE GROWING SEASON TO PREVENT UNWANTED WOODY GROWTH.
 - SWALES AND DETENTION AREAS SHALL BE INSPECTED AFTER MAJOR STORM EVENTS OR ON AN ANNUAL BASIS. REPAIRS SHALL BE PERFORMED IMMEDIATELY AS CONDITIONS WARRANT. BARE SPOTS AND ERODED AREAS SHALL BE RESEDED IMMEDIATELY FOLLOWING OBSERVATIONS. ALL LITTER AND TRASH SHALL BE REMOVED DURING INSPECTIONS.
 - THE DETENTION BASINS SHALL BE CHECKED AND INSPECTED AFTER ALL MAJOR RAINFALL EVENTS DURING THE FIRST YEAR OF OPERATION, AND ANNUALLY THEREAFTER. IF STANDING WATER IS FOUND IN EITHER BASIN FOR MORE THAN 72 HOURS AFTER A RAINFALL EVENT, THEN FAILURE OF THE SYSTEM HAS OCCURRED AND THE BASIN SHALL BE REPAIRED OR MALFUNCTIONING DEVICE(S) BE REPLACED.
 - THE OUTLET CONTROL STRUCTURES (THE FLOW CONTROL WALL) AND ALL OUTFLOW CHANNELS SHALL BE INSPECTED ANNUALLY.
 - THE DETENTION DEVICES SHALL BE INSPECTED AT LEAST TWICE PER YEAR, DURING THE FIRST YEAR OF OPERATION AND SHALL BE CHECKED SEVERAL TIMES THEREAFTER, ESPECIALLY AFTER RAINFALL EVENTS, TO CHECK FOR CLOGGING OR, CONVERSELY, TOO RAPID A RELEASE.
 - THE GRASSED AREA OF THE BASINS SHALL BE INSPECTED AT LEAST TWICE PER YEAR TO CHECK FOR EROSION PROBLEMS. PROBLEM AREAS SHALL BE RESEDED IMMEDIATELY TO STABILIZE EXPOSED SOILS.
 - SEDIMENT SHALL BE REMOVED FROM THE BASIN DURING THE FIRST YEAR OF OPERATION AND EVERY TEN YEARS THEREAFTER. MORE FREQUENT REMOVALS MAY BE NECESSARY IF THE SEDIMENT STORAGE CAPACITY OF THE BASIN IS EXCEEDED.
 - SIDESLOPE AND EMBANKMENTS OF DETENTION AREAS SHALL BE MOWED AT LEAST ONCE DURING THE GROWING SEASON (PREFERABLE AFTER AUGUST 15TH). MOWING CAN BE MORE FREQUENT. ALL TRASH AND LITTER SHALL BE REMOVED DURING MOWING OPERATIONS.



JOHNSTON RECREATION
ATHLETIC FIELDS
ATWOOD AVENUE
JOHNSTON, RHODE ISLAND
AP 47/1 LOTS 7 & 8

MAY 29 2008

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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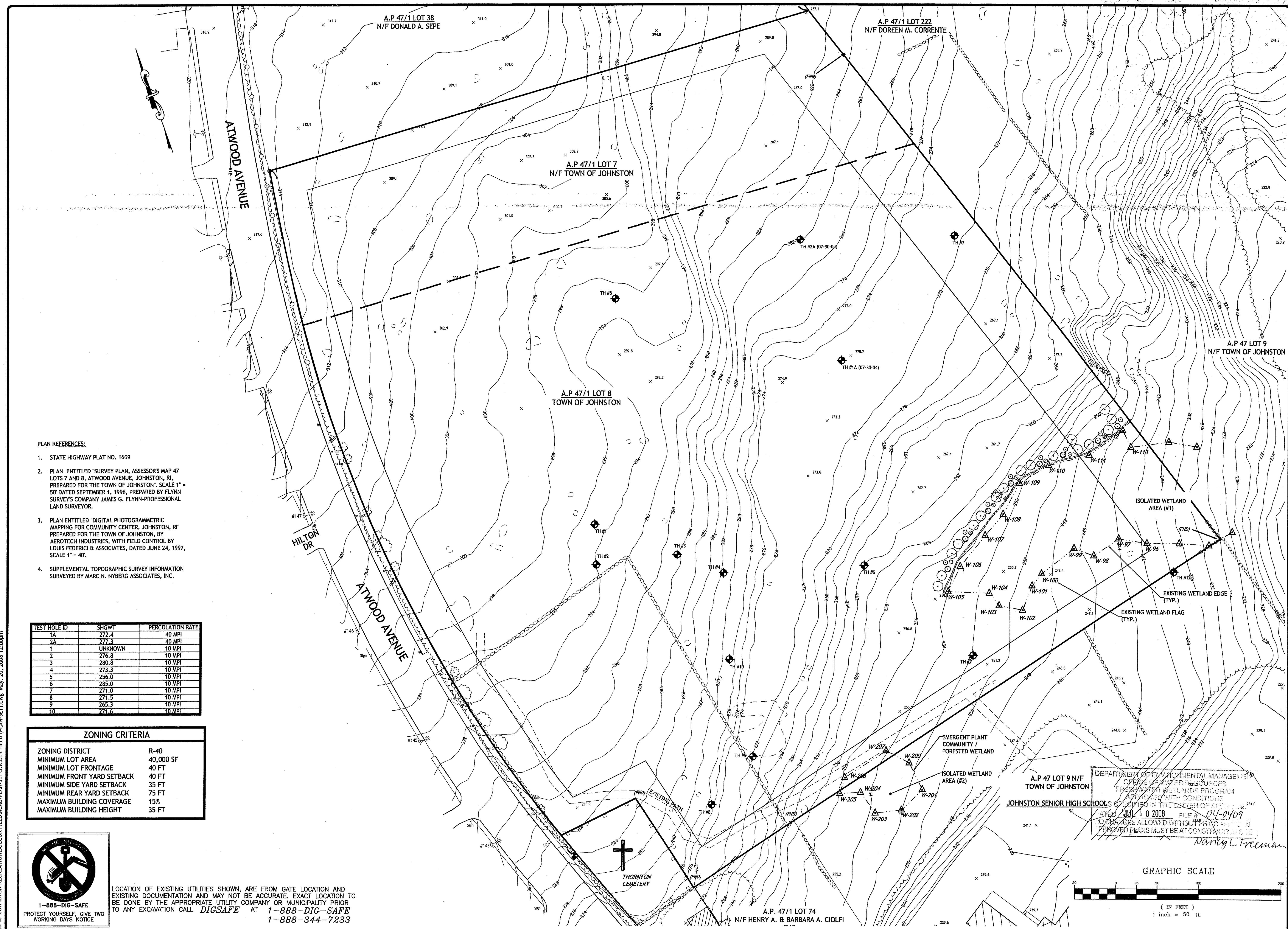
DESIGNED BY: JDC
DRAWN BY: JDC
CHECKED BY: JAC
DATE: AUGUST 2006
PROJECT NO: 03-376

PRELIMINARY, NOT FOR CONSTRUCTION

GENERAL NOTES AND LEGEND

SHEET 2 OF 12

Q:\03-37-JOHNSTON RECREATION\SOCCER FIELD\CAD\PLAN-SET\SOCCER FIELD (PLAN-SET).dwg May_20_2008 12:00pm



- PLAN REFERENCES:**
- STATE HIGHWAY PLAT NO. 1609
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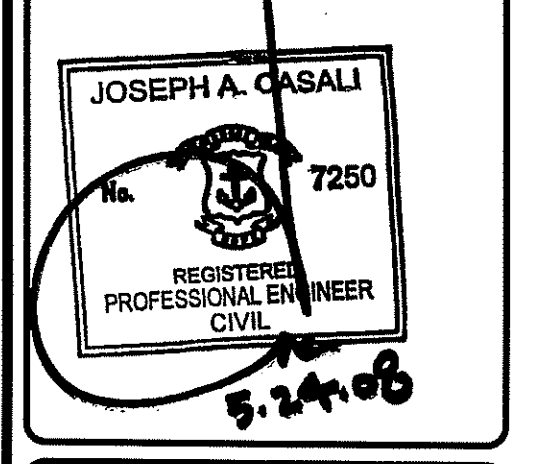
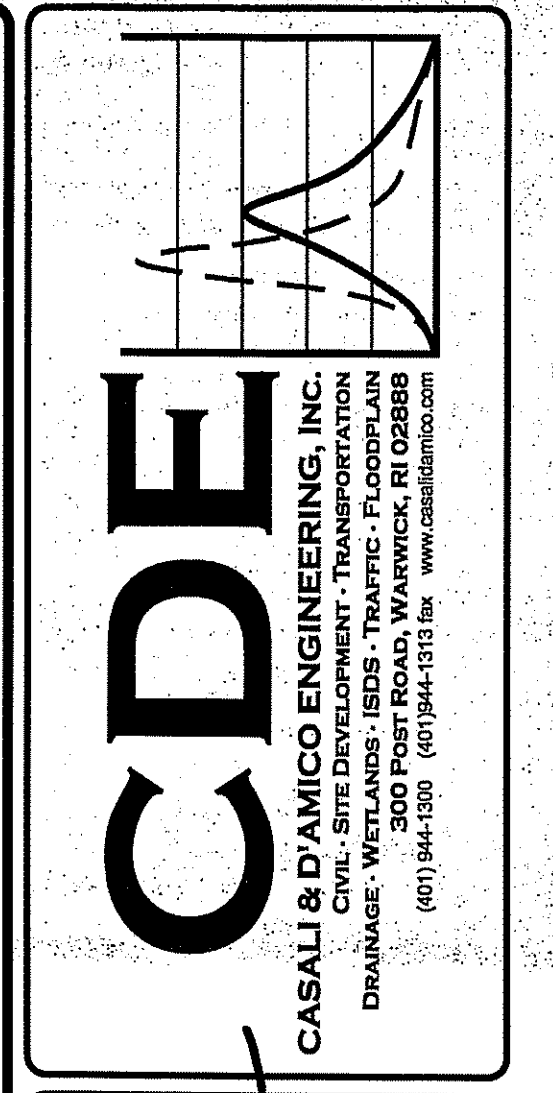
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6	285.0	10 MPI
7	271.0	10 MPI
8	271.5	10 MPI
9	265.3	10 MPI
10	271.6	10 MPI

ZONING CRITERIA

ZONING DISTRICT	R-40
MINIMUM LOT AREA	40,000 SF
MINIMUM LOT FRONTAGE	40 FT
MINIMUM FRONT YARD SETBACK	40 FT
MINIMUM SIDE YARD SETBACK	35 FT
MINIMUM REAR YARD SETBACK	75 FT
MAXIMUM BUILDING COVERAGE	15%
MAXIMUM BUILDING HEIGHT	35 FT



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL **DIGSAFE** AT **1-888-DIG-SAFE** **1-888-344-7233**



JOHNSTON RECREATION
ATHLETIC FIELDS
 ATWOOD AVENUE
 JOHNSTON, RHODE ISLAND
 AP 47/1 LOTS 7 & 8

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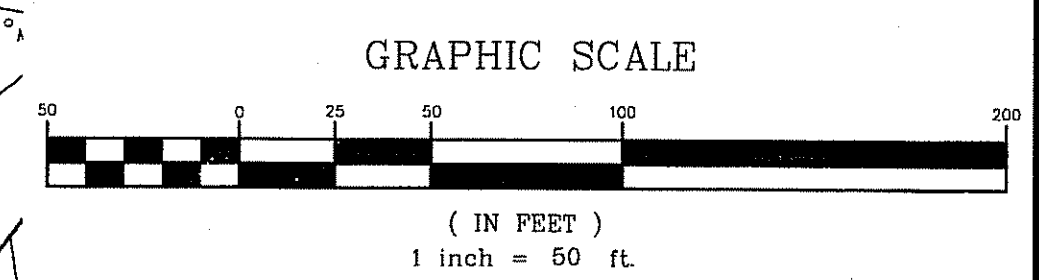
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EXISTING CONDITIONS PLAN

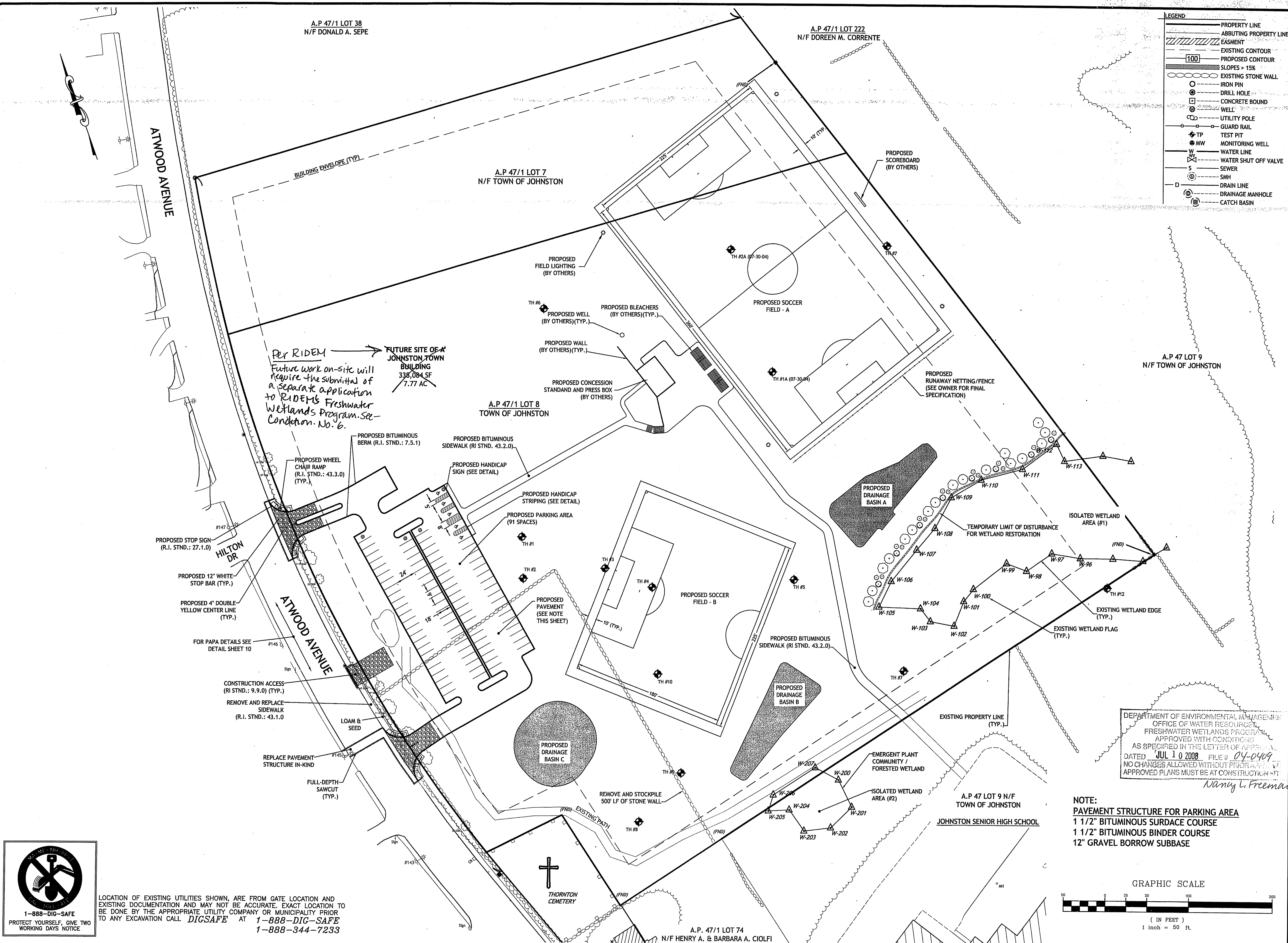
SHEET 3 OF 12

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Nancy L. Freeman



Q:\03-37-JOHNSTON RECREATION\SOCCER FIELD\PLAN-SET\DWG. May, 20, 2008 12:02pm



LEGEND

- PROPERTY LINE
- - - ABUTTING PROPERTY LINE
- /// EASEMENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SLOPES > 15%
- EXISTING STONE WALL
- IRON PIN
- DRILL HOLE
- CONCRETE BOUND WELL
- UTILITY POLE
- GUARD RAIL
- TP TEST PIT
- MW MONITORING WELL
- W WATER LINE
- WV WATER SHUT OFF VALVE
- S SEWER
- SMH SMH
- DRAIN LINE
- DRAINAGE MANHOLE
- CATCH BASIN

CDE
 CASALI & DIAMICO ENGINEERING, INC.
 CIVIL - SITE DEVELOPMENT - TRANSPORTATION
 DRAINAGE - WETLANDS - IEDS - TRAFFIC - FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02886
 (401) 841-1500

JOSEPH A. CASALI
 No. 7250
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 6.2.4.08

JOHNSTON RECREATION
ATHLETIC FIELDS
 ATWOOD AVENUE
 JOHNSTON, RHODE ISLAND
 AP 47/1 LOTS 7 & 8

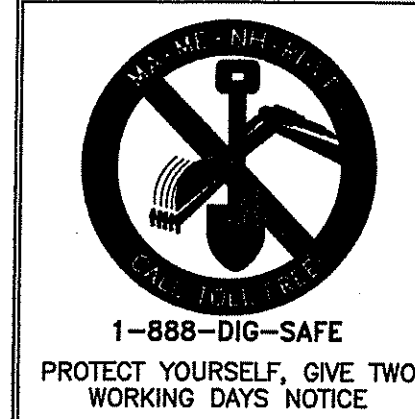
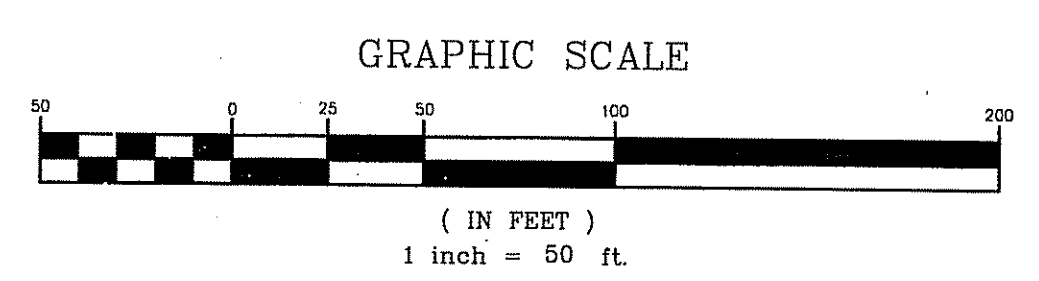
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JUL 10 2008 FILE # 04-0409
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Nancy L. Freeman

MAY 29 2008

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/07	Town modifications and RIDEM re-submission
2	10/07	RIDEM Comments
3	1/08	RIDEM re-submission
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NOTE:
 PAVEMENT STRUCTURE FOR PARKING AREA
 1 1/2" BITUMINOUS SURFACE COURSE
 1 1/2" BITUMINOUS BINDER COURSE
 12" GRAVEL BORROW SUBBASE

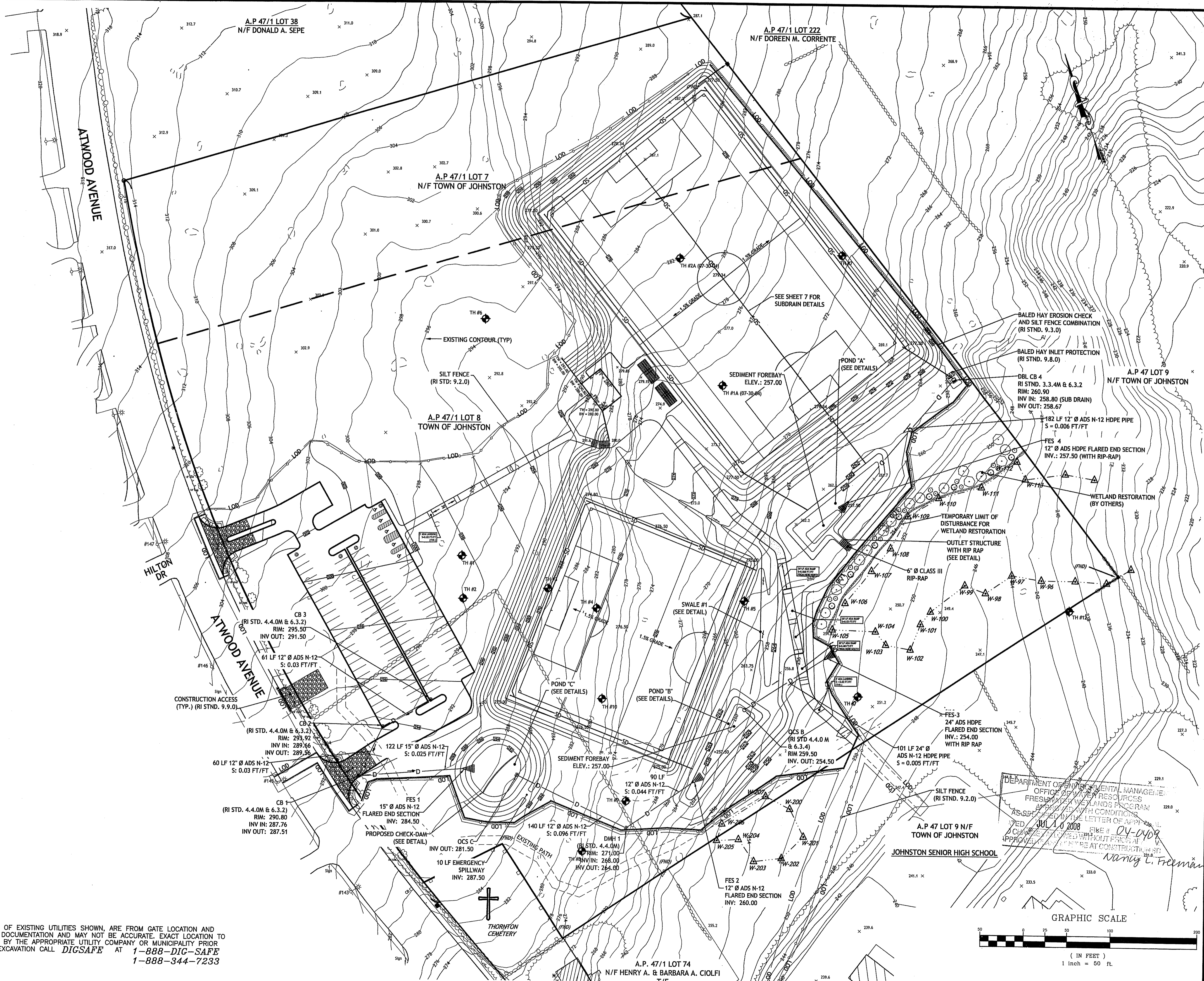


LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL **DIGSAFE** AT 1-888-DIG-SAFE 1-888-344-7233

Q:\03-37-JOHNSTON RECREATION\SOCCER FIELD\ACAD\PLAN-SET\SOCCER FIELD (PLAN-SET).dwg, May, 23, 2008 11:25am



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 (401) 944-1300 (401) 944-1313 fax www.casalieng.com

JOSEPH A. CASALI
 No. 7250
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 5.2.9108

JOHNSTON RECREATION
 ATHLETIC FIELDS
 ATWOOD AVENUE
 JOHNSTON, RHODE ISLAND
 AP 47/1 LOTS 7 & 8

MAY 29 2008

REVISIONS:

NO.	DATE	DESCRIPTION
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DESIGNED BY: JDC
 DRAWN BY: JDC
 CHECKED BY: JAC
 DATE: AUGUST 2006
 PROJECT NO: 03-37b

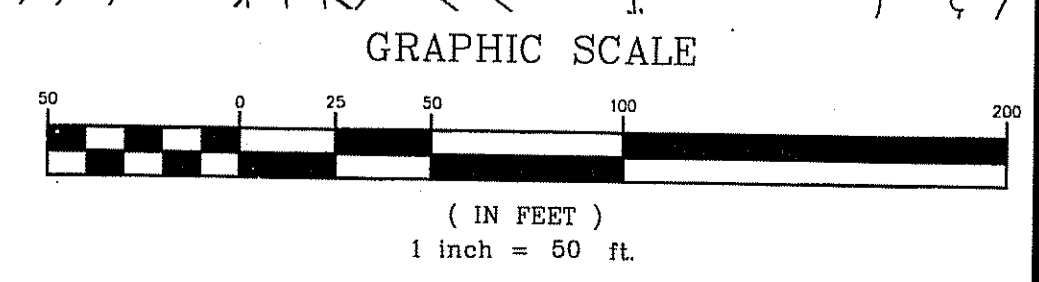
PRELIMINARY, NOT FOR CONSTRUCTION

GRADING AND DRAINAGE PLAN

SHEET 5 OF 12

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WETLANDS RESOURCES
 FRESHWATER WETLANDS PROGRAM
 AS SET FORTH IN THE LETTER OF APPROVAL
 DATED JUL 10 2008 FILE # 03-0409
 APPROVAL NOT BE AT CONSTRUCTION

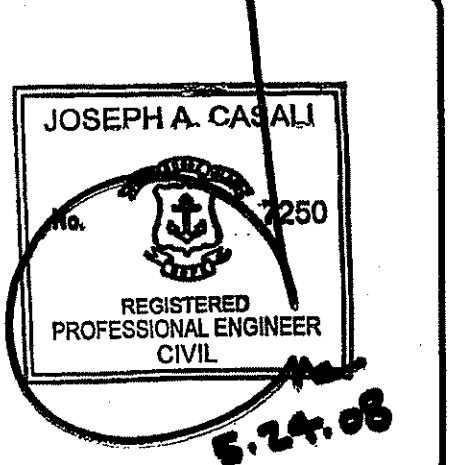
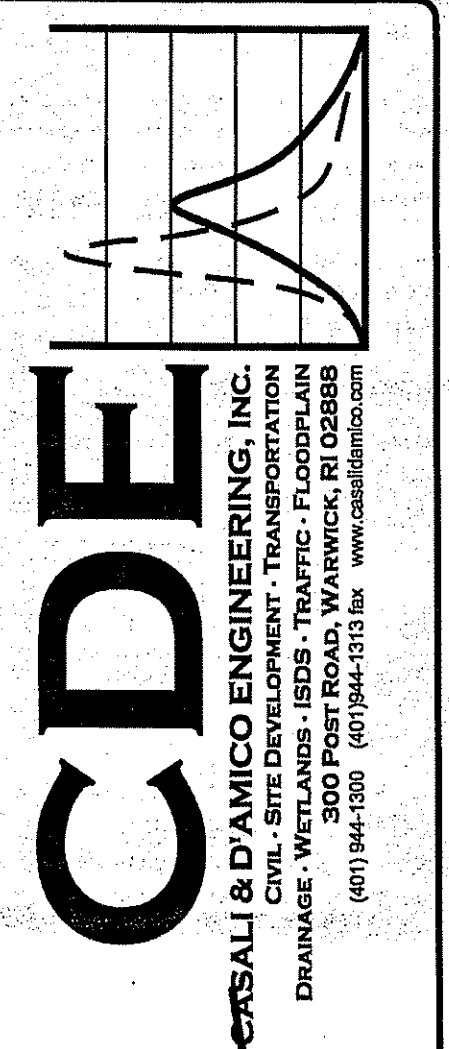
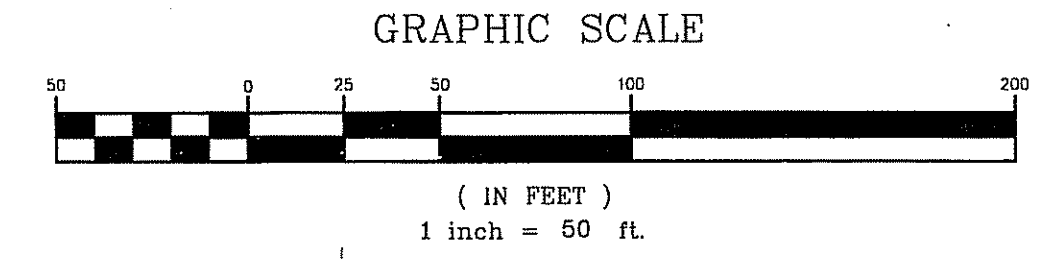
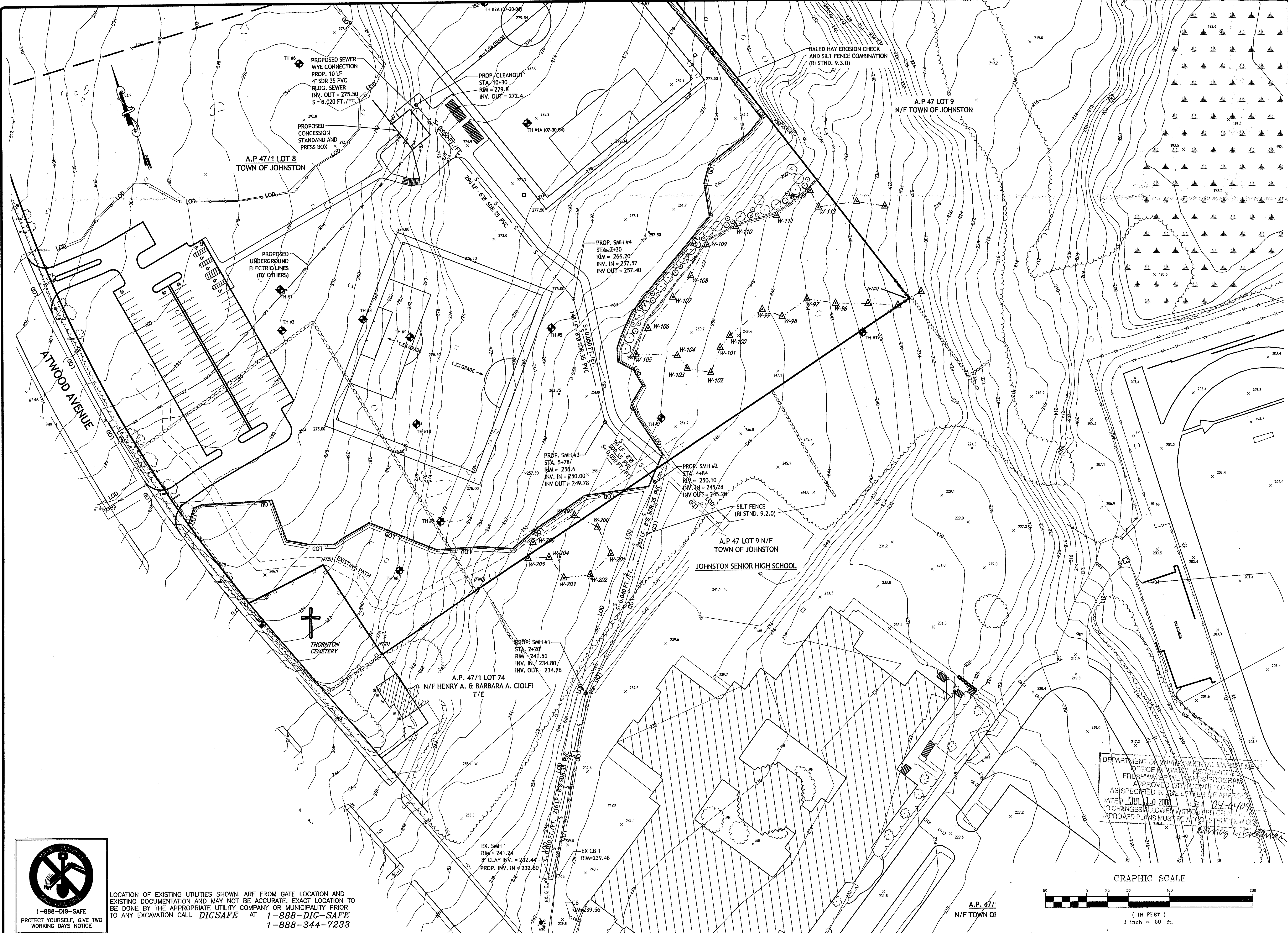
Nancy L. Freeman



Q:\03-37 JOHNSTON RECREATION SOCCER FIELD\ACAD\PLAN-SET\SOCCER FIELD (PLAN-SET).dwg May 20, 2006 12:00pm



LOCATION OF EXISTING UTILITIES SHOWN, ARE FROM GATE LOCATION AND EXISTING DOCUMENTATION AND MAY NOT BE ACCURATE. EXACT LOCATION TO BE DONE BY THE APPROPRIATE UTILITY COMPANY OR MUNICIPALITY PRIOR TO ANY EXCAVATION CALL DIGSAFE AT 1-888-DIG-SAFE 1-888-344-7233



JOHNSTON RECREATION ATHLETIC FIELDS ATWOOD AVENUE JOHNSTON, RHODE ISLAND AP 47/1 LOTS 7 & 8

MAY 29 2008

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4	5/08	RIDBM Comments

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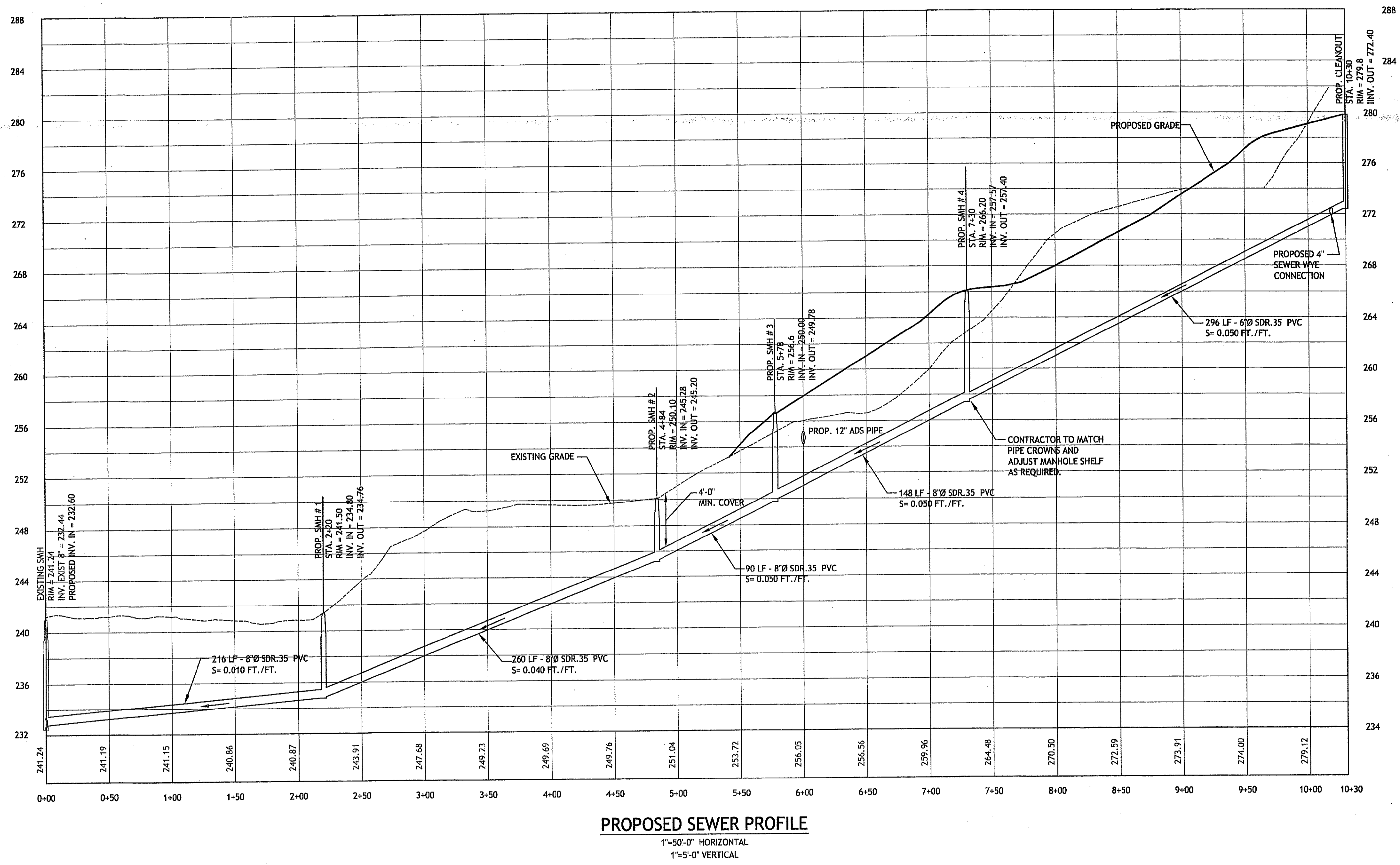
PRELIMINARY, NOT FOR CONSTRUCTION

UTILITY PLAN

SHEET 6 OF 12

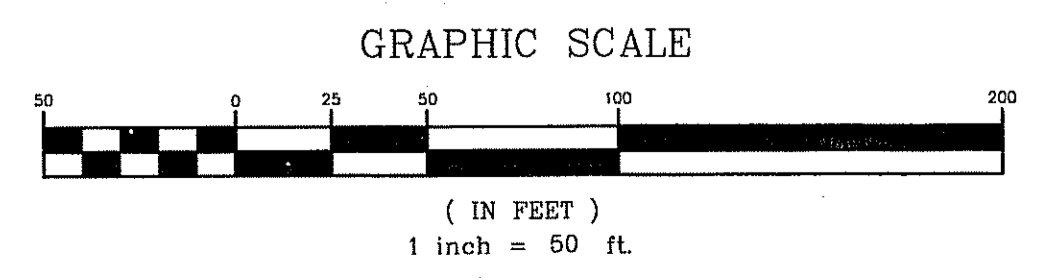
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF PERMITS AND LICENSING
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Q:\13-37-JOHNSTON RECREATION\SOCCER FIELD\CAD\PLAN-SET\SOCCER FIELD (PLAN-SET).dwg May 20, 2008 12:00pm



PROPOSED SEWER PROFILE
 1"=50'-0" HORIZONTAL
 1"=5'-0" VERTICAL

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JOHNSTON RECREATION
ATHLETIC FIELDS
ATWOOD AVENUE
 JOHNSTON, RHODE ISLAND
 AP 47/1 LOTS 7 & 8

MAY 29 2008

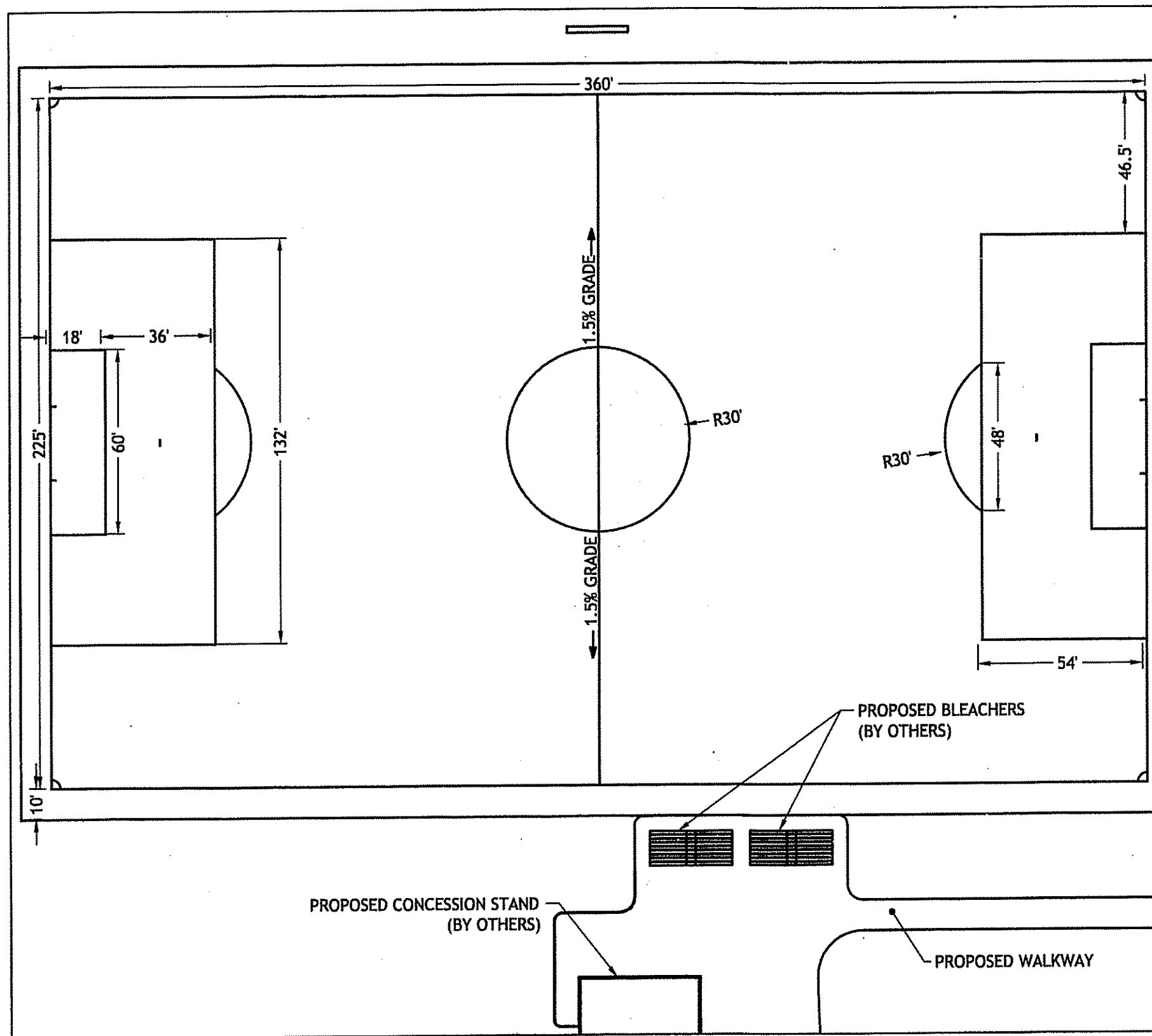
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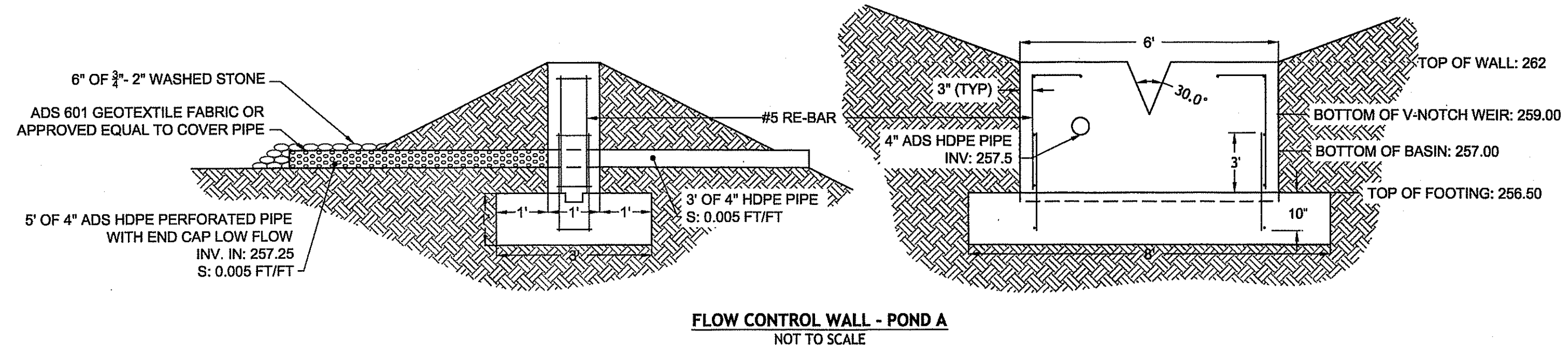
PRELIMINARY, NOT FOR CONSTRUCTION

PROFILE PLAN

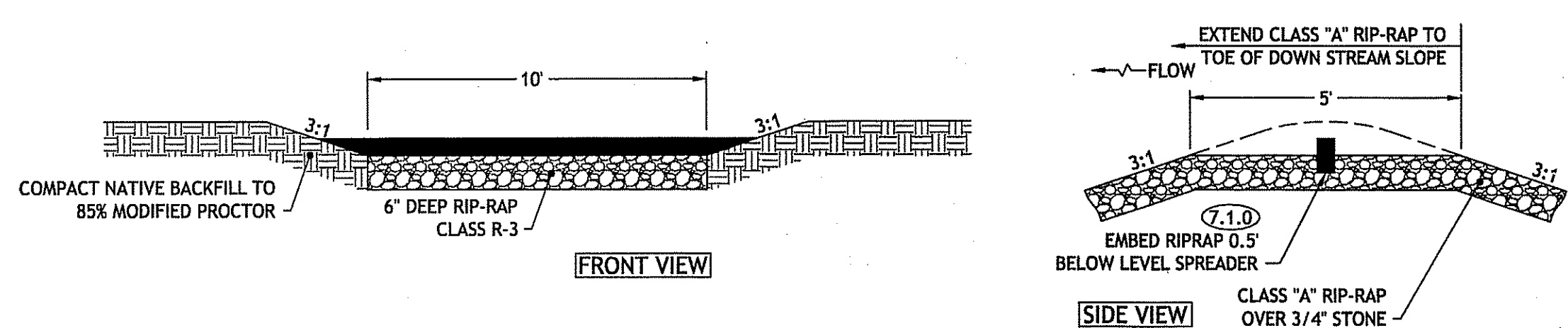
SHEET 7 OF 12



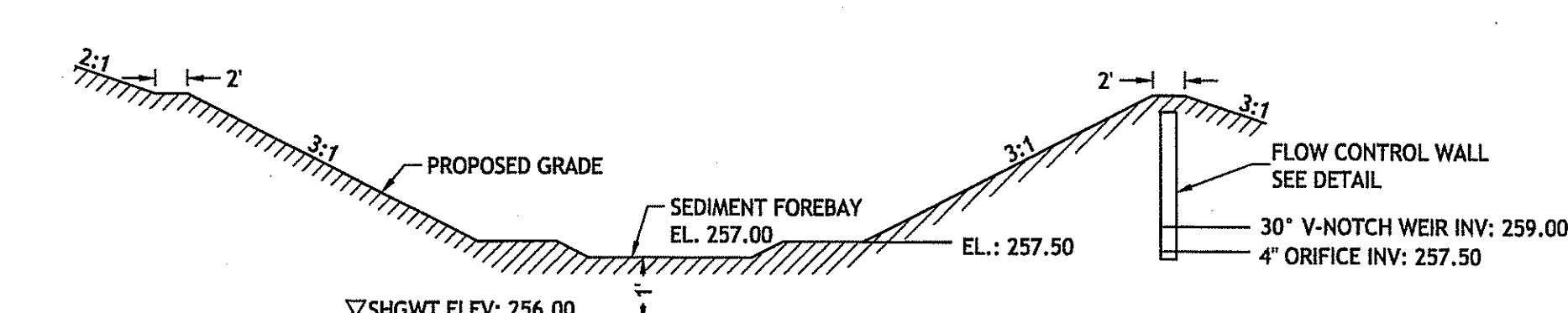
SOCCER FIELD DETAIL
SCALE: 1" = 40'



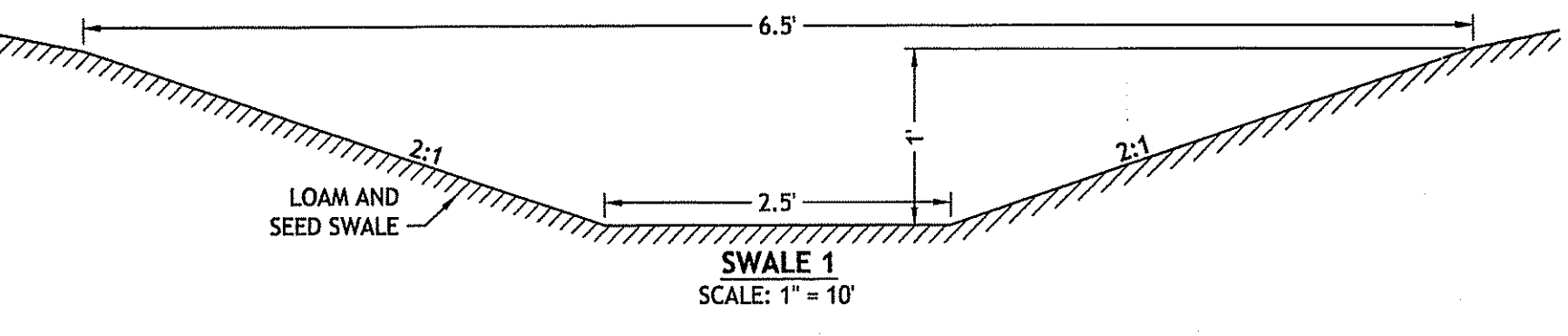
FLOW CONTROL WALL - POND A
NOT TO SCALE



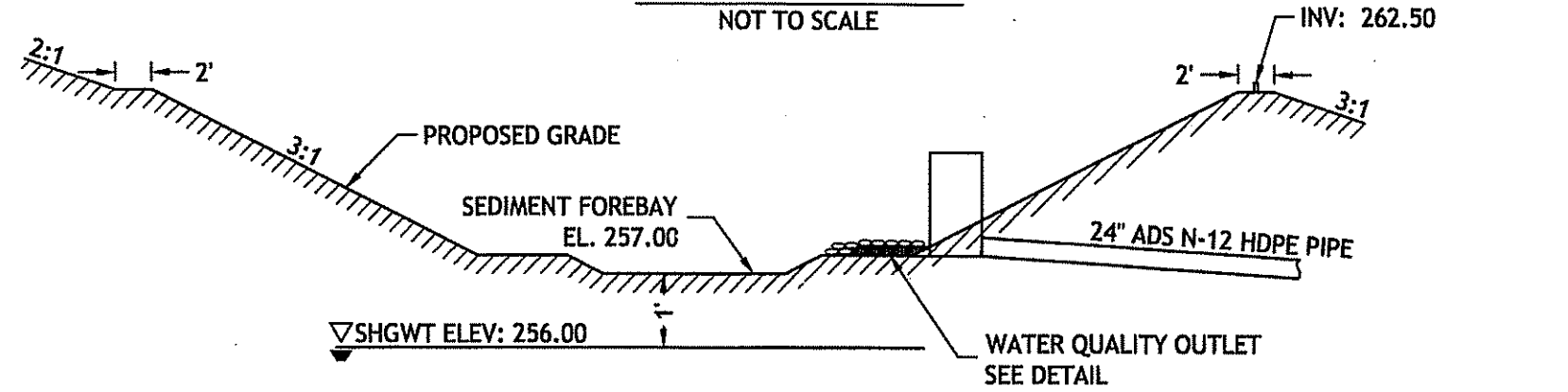
EMERGENCY SPILLWAY
NOT TO SCALE



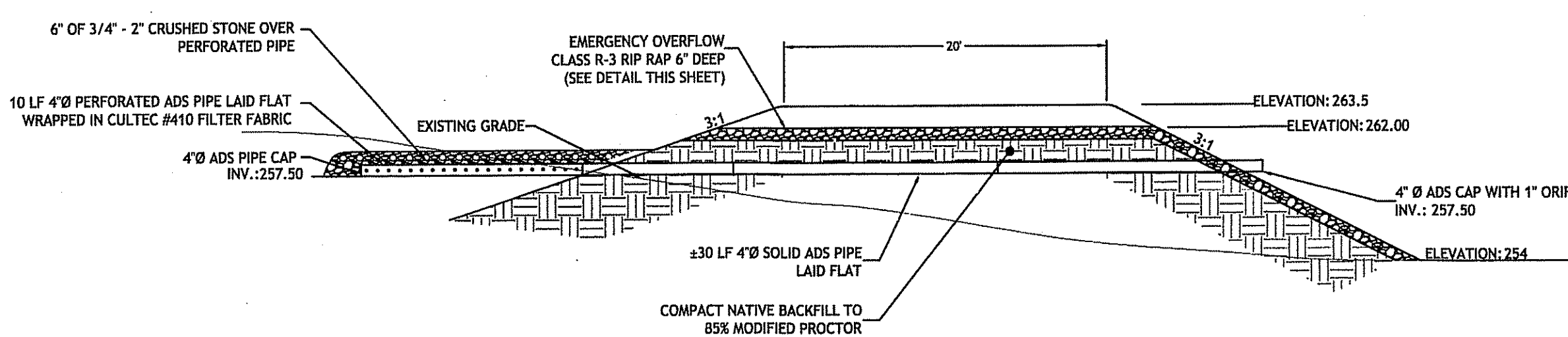
POND A DETAIL SECTION
NOT TO SCALE



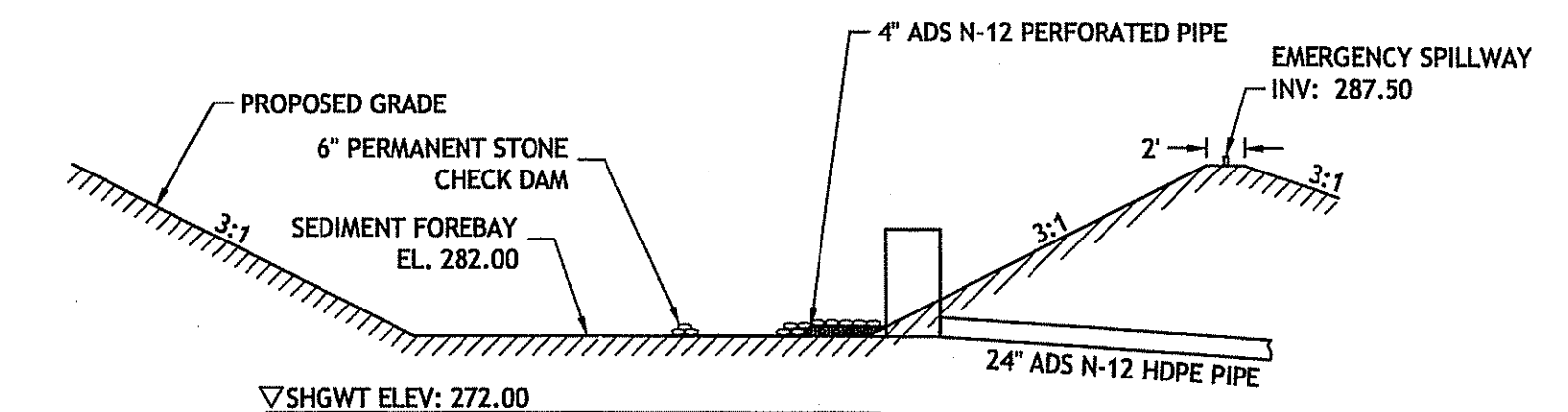
SWALE 1
SCALE: 1" = 10'



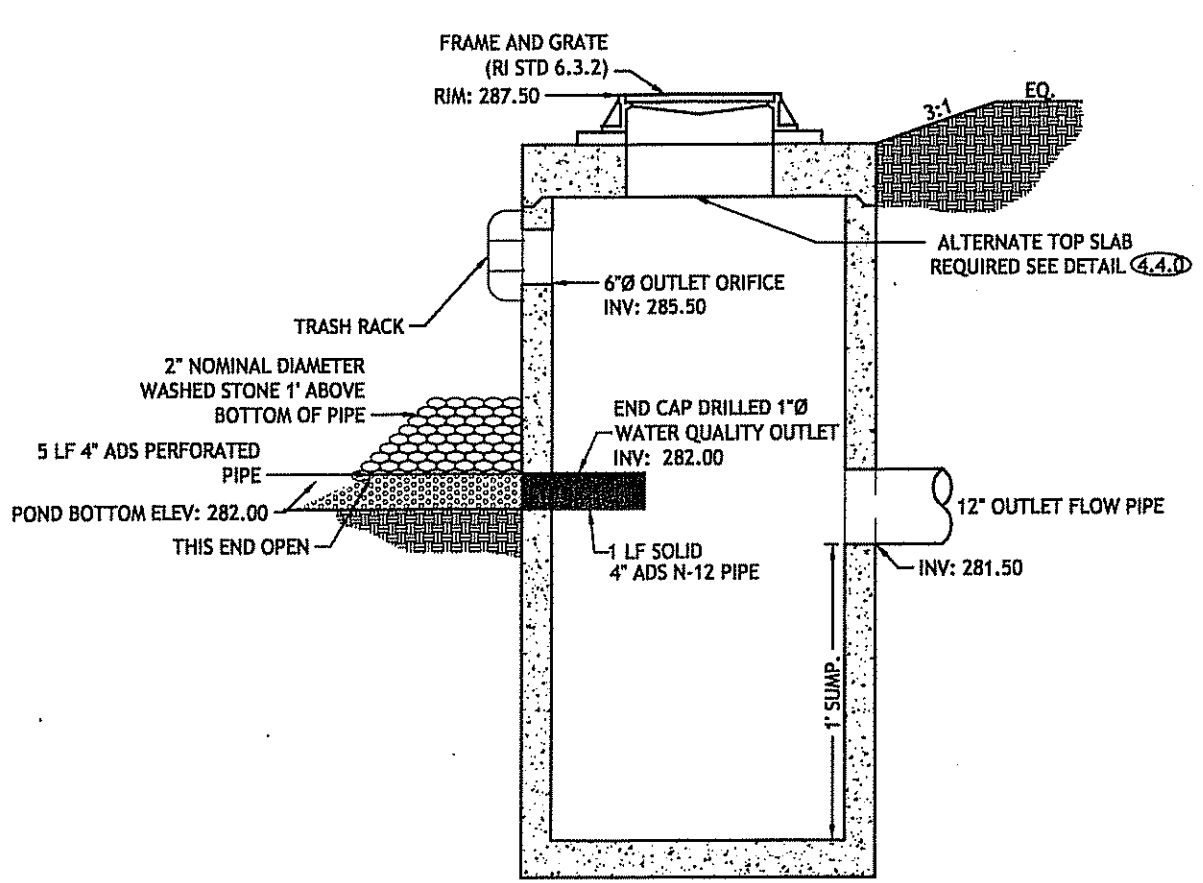
POND B DETAIL SECTION
NOT TO SCALE



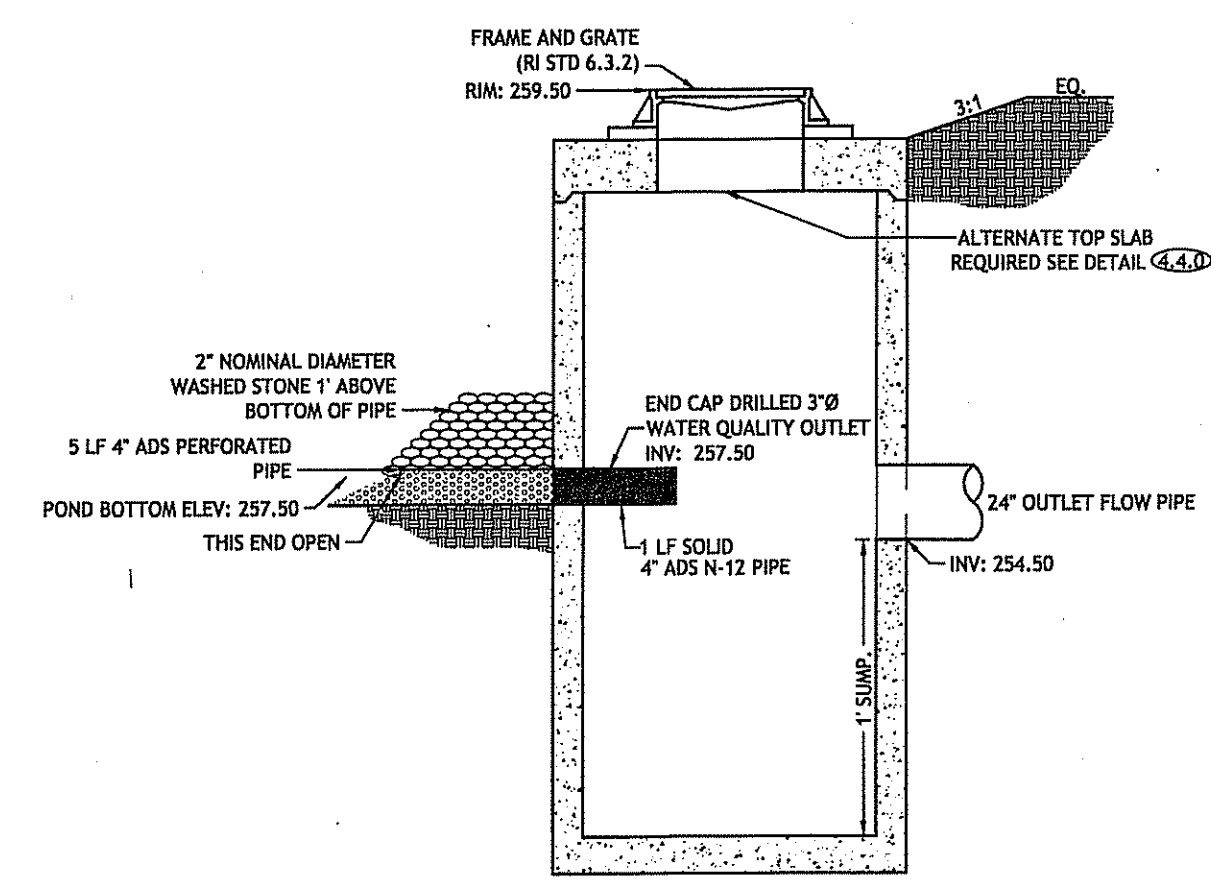
WATER QUALITY OUTLET
NOT TO SCALE



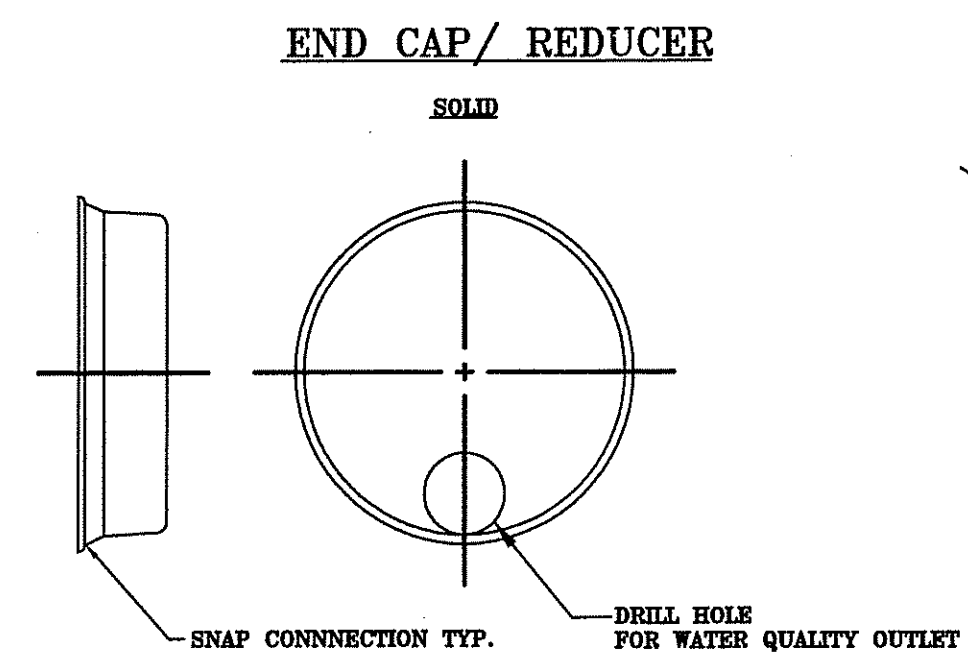
POND C DETAIL SECTION
NOT TO SCALE



OUTLET CONTROL STRUCTURE (RI STD 4.4.0) - POND C
NOT TO SCALE



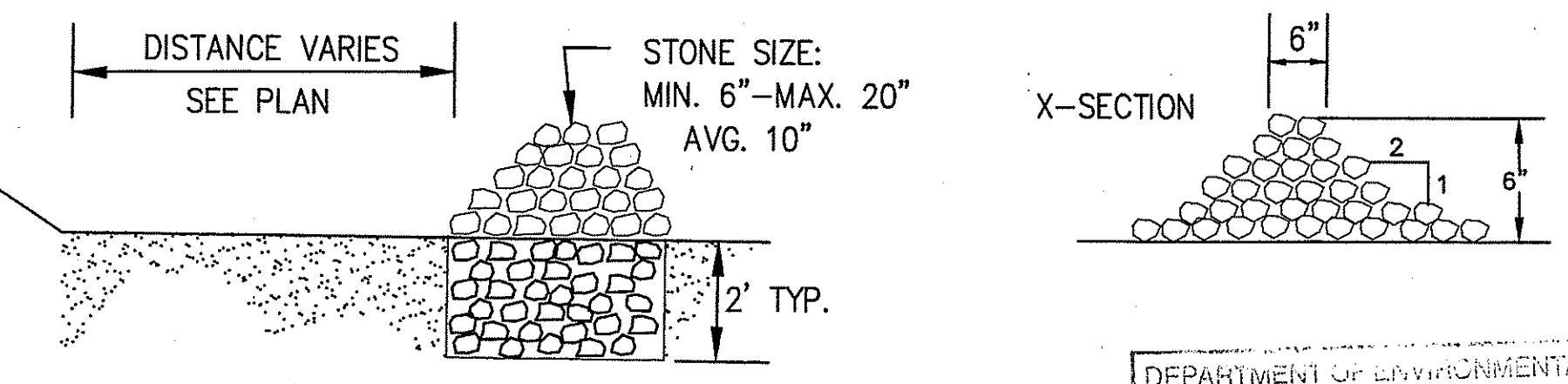
OUTLET CONTROL STRUCTURE (RI STD 4.4.0) - POND B
NOT TO SCALE



END CAP/REDUCER



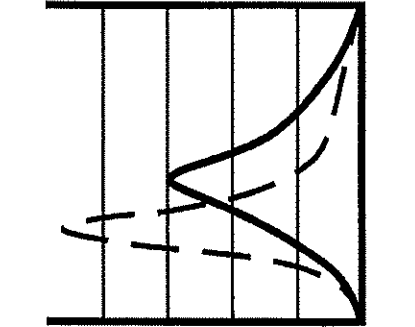
PART NO	PIPE SIZE	TYPE
0434-AA	4"	PERFORATED
	100 mm	



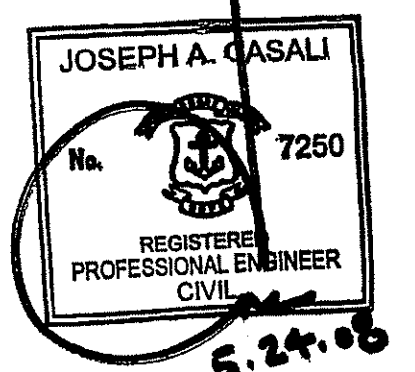
STONE FOREBAY
NO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Nancy L. Freeman



CASALI & D'AMICO ENGINEERING, INC.
Civil - Site Development - Transportation
Drumville - Warwick, RI 02888
(401) 844-1300 (401) 844-1313 fax
www.casali-damico.com



JOHNSTON RECREATION
ATHLETIC FIELDS
ATWOOD AVENUE
JOHNSTON, RHODE ISLAND
AP 47/1 LOTS 7 & 8

MAY 29 2008

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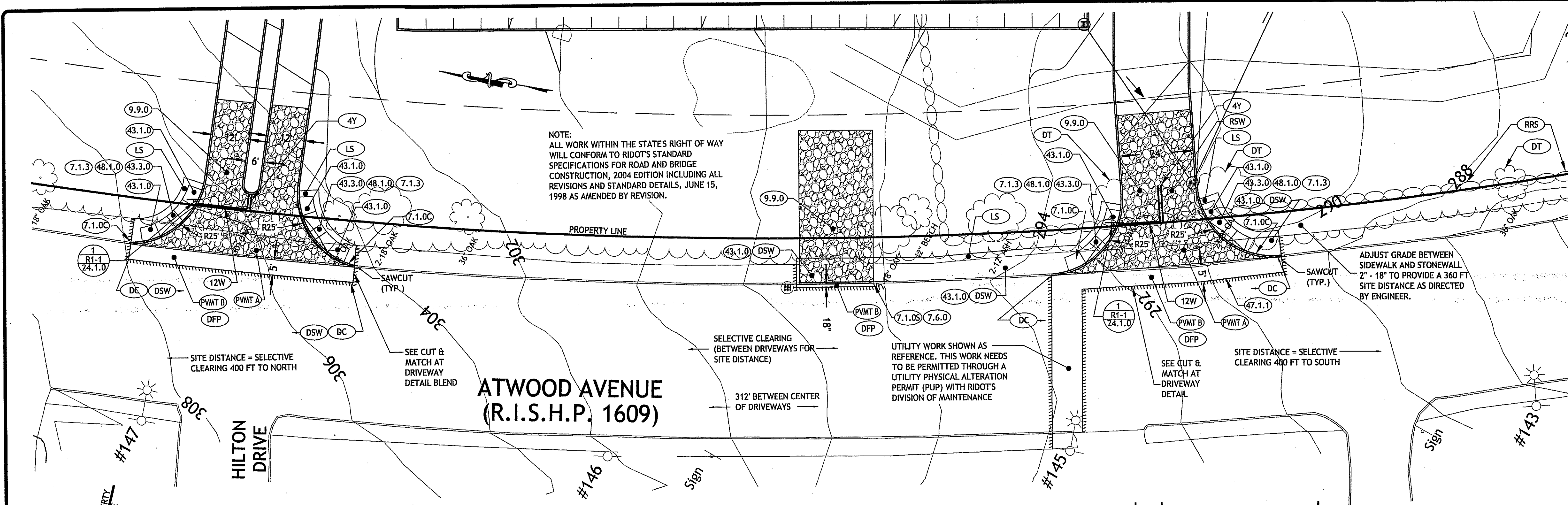
DESIGNED BY: JDC
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PRELIMINARY, NOT FOR CONSTRUCTION

DETAILS I

SHEET 9 OF 12

Q:\03-37-JOHNSTON RECREATION\SOCCOR FIELD\CAD\PLAN-SET\SOCCER FIELD (PLAN-SET).dwg, May, 20, 2008 12:00pm



PAVEMENT TYPE A - PROPOSED SITE
 1.5" BITUMINOUS CONCRETE SURFACE COURSE CLASS 1-1
 1.5" BITUMINOUS CONCRETE BASE COURSE
 12" GRAVEL BORROW SUBBASE

ASPHALT EMULSION TACK COAT TO BE PLACED PRIOR TO SURFACE COURSE PAVING IF BINDER COURSE IS OPENED TO VEHICLE USE OR IF BINDER COURSE IS GREATER THAN 30 DAYS OLD.

PAVEMENT TYPE B - ATWOOD AVENUE
 2" BITUMINOUS CONCRETE SURFACE COURSE CLASS 1-1
 2" BITUMINOUS CONCRETE MODIFIED BASE COURSE
 4" BITUMINOUS CONCRETE MODIFIED BASE COURSE
 12" GRAVEL BORROW SUBBASE

ASPHALT EMULSION TACK COAT TO BE PLACED ON ALL BITUMINOUS COURSES PRIOR TO PAVING.

RHODE ISLAND STANDARDS

- (7.1.0) PRECAST CONCRETE CURB
- (7.1.3) PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB
- (7.6.0) CURB SETTING DETAIL
- (9.9.0) CONSTRUCTION ACCESS
- (43.1.0) CEMENT CONCRETE SIDEWALK
- (43.3.0) WHEELCHAIR RAMP
- (48.1.0) DETECTABLE WARNING SYSTEM
- (DT) DISPOSE TREE
- (LS) LOAM & SEED
- (DC) REMOVE AND DISPOSE EXISTING CONCRETE CURB
- (DSW) REMOVE AND DISPOSE SIDEWALK
- (RRS) REMOVE AND RESET STONEWALL
- (RSW) REMOVE AND DISPOSE STONEWALL
- (12W) 12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
- (4Y) 4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW

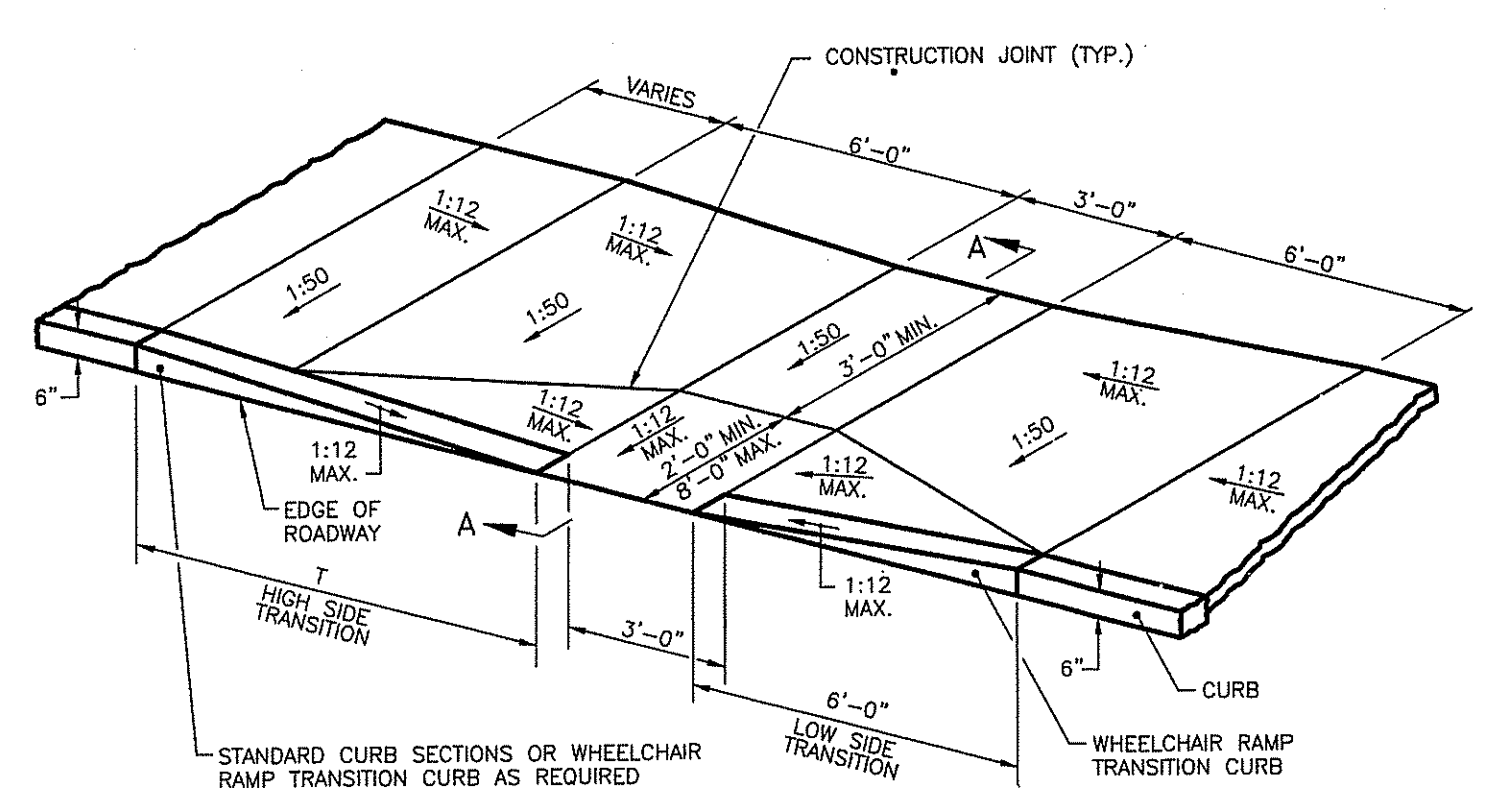
**ATWOOD AVENUE
(R.I.S.H.P. 1609)**

PHYSICAL ALTERATION PERMIT PLAN

SCALE: 1" = 20'

EDGE OF CLEARANCE DETAIL

NOT TO SCALE



ROADWAY PROFILE GRADE	T (FT.)
0.00	6.0
0.01	7.0
0.02	8.0
0.03	9.5
0.04	11.5
0.05	15.0

SECTION A-A

PAVEMENT: 4" BITUMINOUS OR 8" CONCRETE / 3" BITUMINOUS OR 4" CONCRETE / BITUMINOUS OR CONCRETE SIDEWALK / GRAVEL BORROW

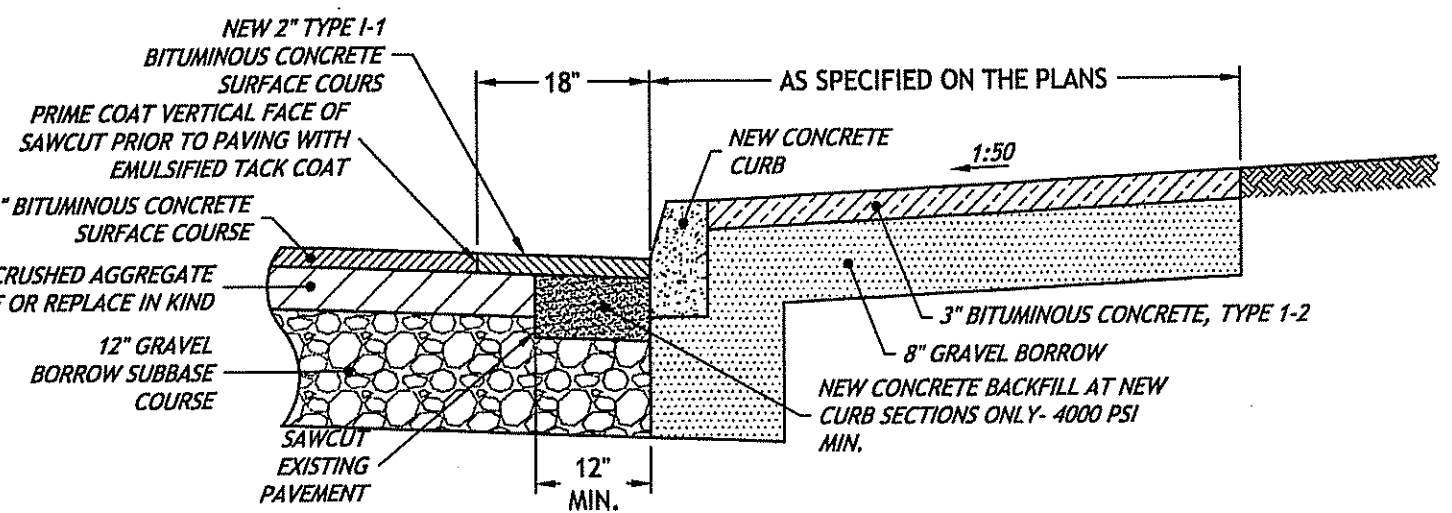
LEGEND

SIGN NUMBER	BACKGROUND	COPY	WIDTH	HEIGHT
R1-1	RED	WHITE	24" 30" 36" 48"	24" 30" 36" 48"

- REGULATORY SIGNS**
R.I. STANDARD 27.1.0
- SHALL BE IN ACCORDANCE WITH SECTION 1.15 OF THE R.I. STANDARD SPECIFICATIONS.
 - DENOTES TYPE 30 GRADE SHEETING.
 - REGULATORY SIGNS SHALL BE MOUNTED IN ACCORDANCE WITH STD. 24.1.0, 24.2.0 OR 24.8.0.
 - THICKNESS OF ALUMINUM SIGN PLATES: LESS THAN 10 SQ. FT. - 0.081 IN. TO 50 SQ. FT. TO 36 SQ. FT. - 0.102 IN. GREATER THAN 36 SQ. FT. - 0.125 IN.
 - FOR ADDITIONAL SIGNS SEE THE MUTCD.

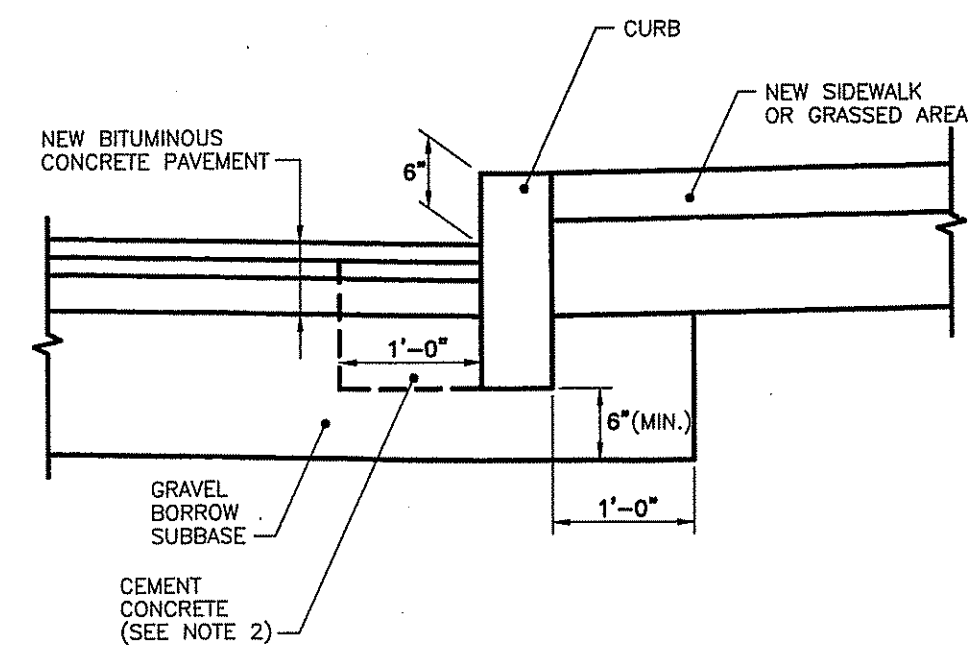
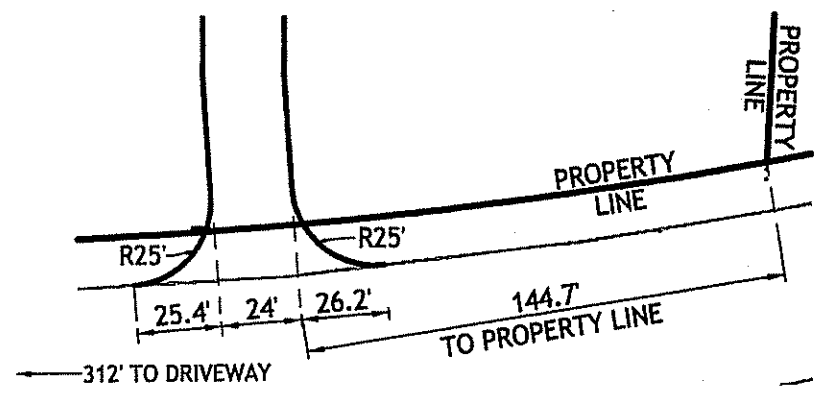
CURB SETTING DETAIL

R.I. STANDARD 7.6.0



EDGE OF CLEARANCE DETAIL

NOT TO SCALE



CURB SETTING DETAIL

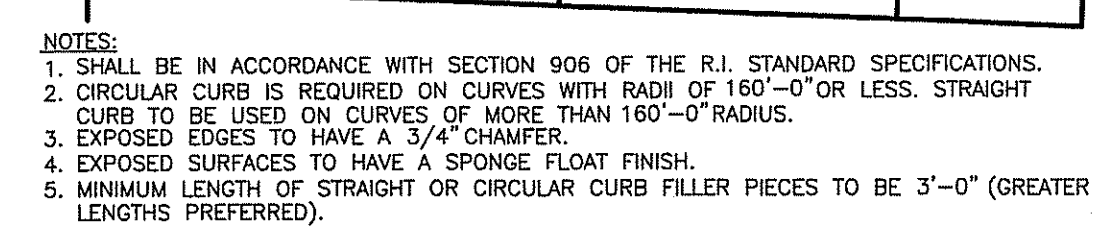
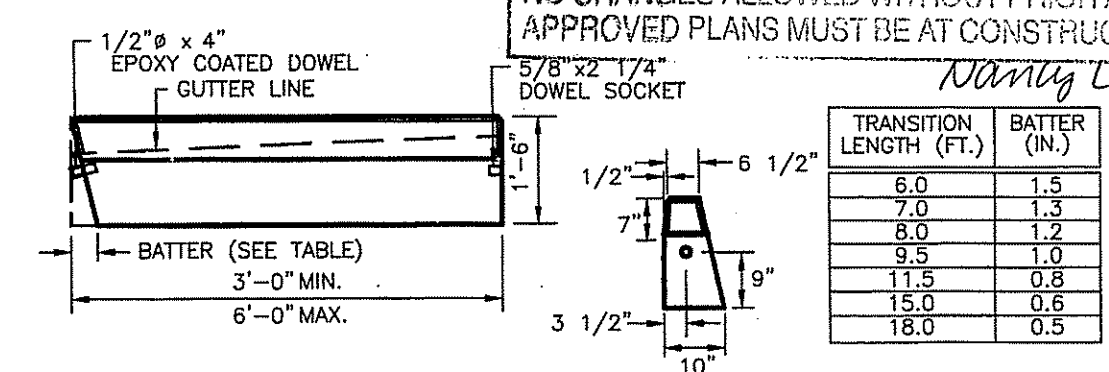
R.I. STANDARD 7.6.0

- NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CEMENT CONCRETE SHALL BE USED ONLY WHEN THE CURB IS SET AFTER THE BASE AND/OR BINDER COURSES ARE IN PLACE, OTHERWISE THE CEMENT CONCRETE WILL BE ELIMINATED AND THE GRAVEL BROUGHT UP TO BOTTOM OF THE BASE COURSE.

DETECTABLE WARNING SYSTEM

R.I. STANDARD 48.1.0

NOTE: 1. DETECTABLE WARNING SYSTEM SHALL BE IN ACCORDANCE WITH SECTION 859 OF THE R.I. STANDARD SPECIFICATIONS.
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PRECAST CONCRETE WHEELCHAIR RAMP TRANSITION CURB

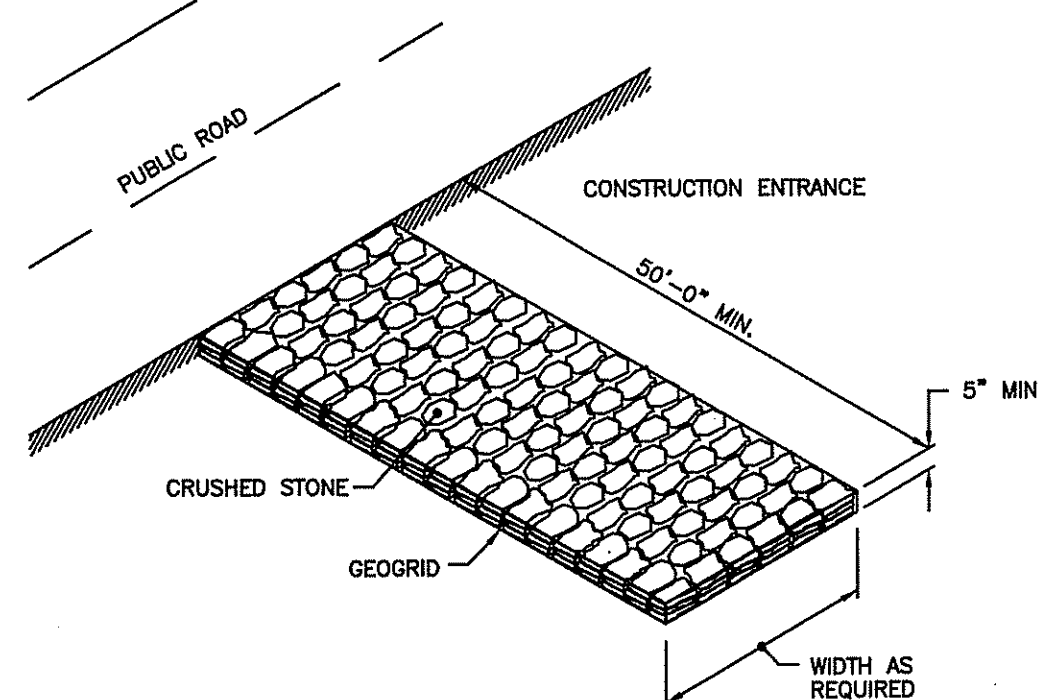
R.I. STANDARD 7.1.3

- NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
 2. CIRCULAR CURB IS REQUIRED ON CURVES WITH RADI OF 160'-0" OR LESS. STRAIGHT CURB TO BE USED ON CURVES OF MORE THAN 160'-0" RADIUS.
 3. EXPOSED EDGES TO HAVE A 3/4" CHAMFER.
 4. EXPOSED SURFACES TO HAVE A SPONGE FLOAT FINISH.
 5. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR CURB FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).

- NOTES:
 1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
 2. WHEN ANY OBSTRUCTION LOCATED IN THE SIDEWALK FALLS WITHIN A CROSSWALK AREA, THE WHEELCHAIR RAMP WILL BE PLACED SUCH THAT THE OBSTRUCTION FALLS OUTSIDE OF THE RAMP.
 3. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK, AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
 4. DRAINAGE FACILITIES ARE TO BE LOCATED UP-GRADE OF ALL WHEELCHAIR RAMPS.
 5. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.
 6. IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 1:50 EXCEPT WITHIN THE RAMP AREA.
 7. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 3'-0" SHALL BE MAINTAINED.
 8. THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
 9. WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGH SIDE TRANSITION LENGTH (T) SHALL BE EIGHTEEN FEET (18'-0").
 10. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
 11. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.
 12. THE WHEELCHAIR RAMP SHALL BE CENTERED RADIALLY, OPPOSITE THE RADIUS POINT WHEN POSSIBLE.
 13. MINIMUM LENGTH OF STRAIGHT OR CIRCULAR FILLER PIECES TO BE 3'-0" (GREATER LENGTHS PREFERRED).
 14. ALL REQUIRED CUTTING OF CURB PIECES TO BE PAID FOR UNDER COST OF CURB.

WHEELCHAIR RAMP

R.I. STANDARD 43.3.0



NOTE: SHALL BE IN ACCORDANCE WITH SECTION 211 OF THE R.I. STANDARD SPECIFICATIONS.

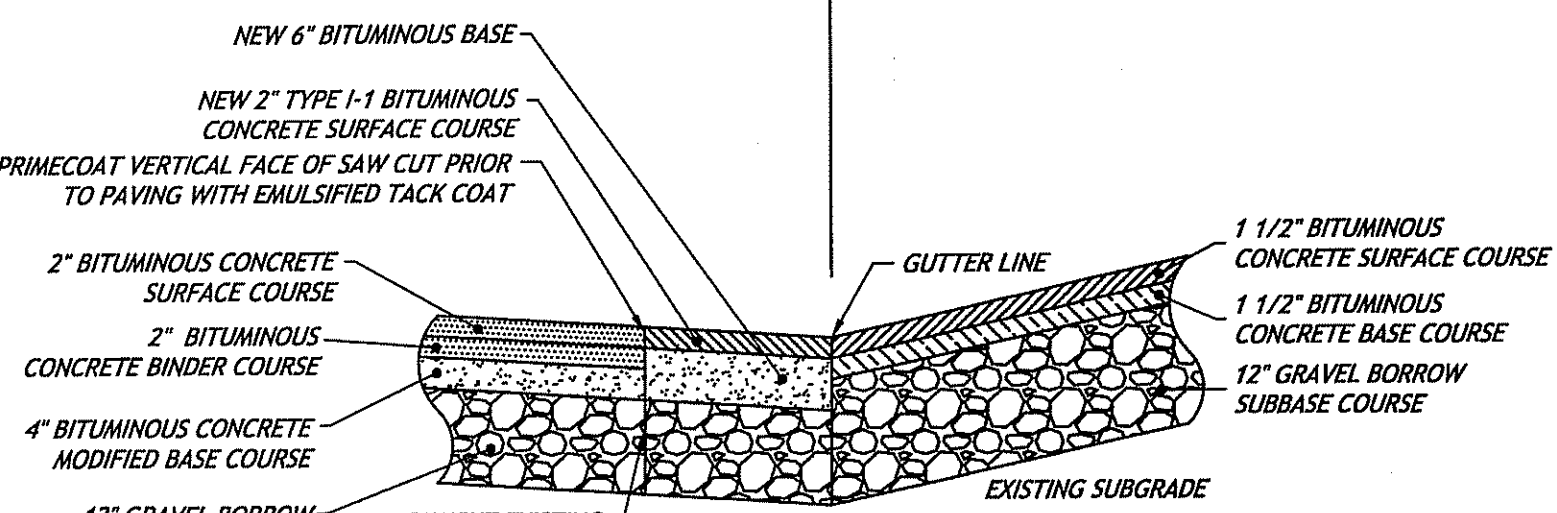
CONSTRUCTION ACCESS

R.I. STANDARD 9.9.0

NOT TO SCALE

CUT AND MATCH DETAIL AT DRIVEWAY

NOT TO SCALE



CDE
 CASALI & DIAMICO ENGINEERING, INC.
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 DRAINAGE, WETLANDS, IEDS, TRAFFIC, FLOODPLAIN
 300 POST ROAD, WARWICK, RI 02886
 (401) 949-0000

JOSEPH A. CASALI
 7250
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 6.14.08

JOHNSTON RECREATION
ATHLETIC FIELDS
 ATWOOD AVENUE
 JOHNSTON, RHODE ISLAND
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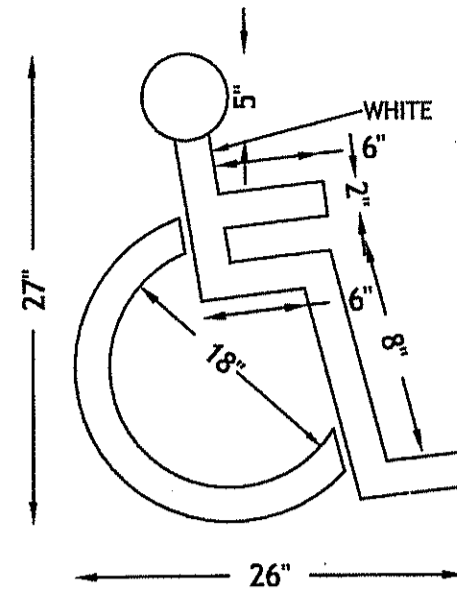
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DETAILS II

SHEET 10 OF 12

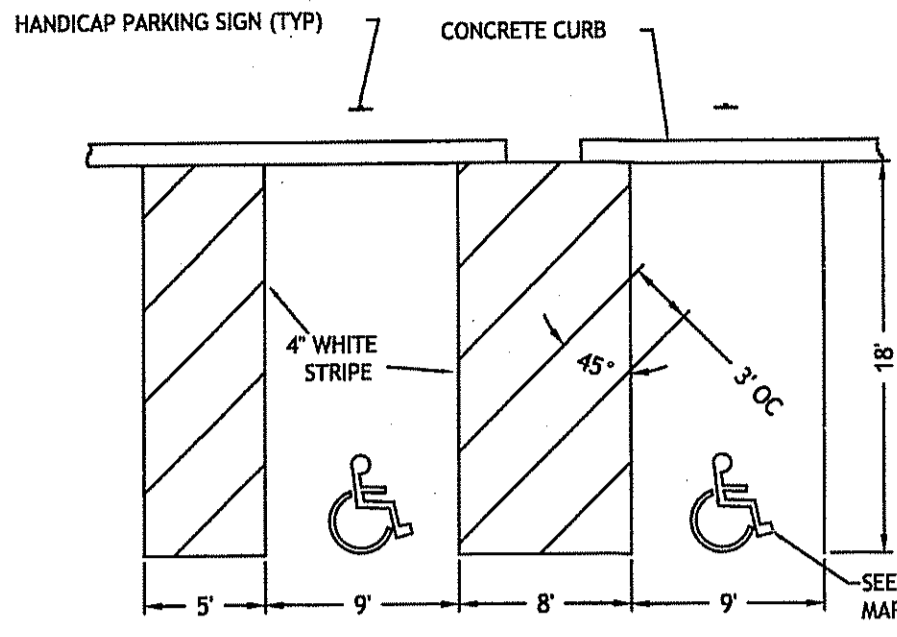




NOTE:
1. ALL HANDICAP PARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND STAT BUILDING CODE.

HANDICAP PAVEMENT MARKING

NOT TO SCALE



HANDICAP PARKING STALLS

NOT TO SCALE

SIGN NOTES:

1. SIGN POSTS SHALL BE GALVANIZED STEEL U-CHANNEL (3 1/2" WIDE-MIN) AND INSTALLED IN CONFORMANCE TO M.U.T.C.D. AND RHODE ISLAND STANDARD SPECIFICATIONS.
2. POSTS SHALL BE DRIVEN TO A DEPTH OF 4 FEET (MIN.)
3. THE EDGE OF THE SIGN SHALL BE 18" FROM THE FACE OF THE CURB.
4. WITHIN SIDEWALK LOCATIONS THE SIGN POST WILL BE INSTALLED WITHIN A 8"X8"X6" SQUARE BOX FORM.

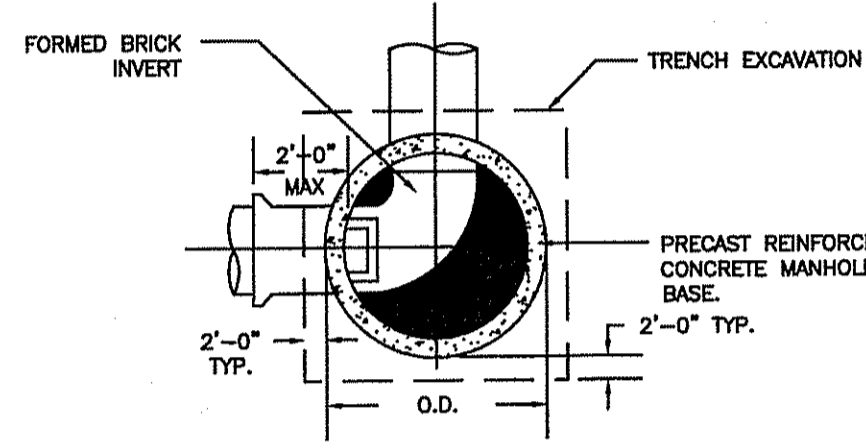


NOTE:
SIGNS ARE TO CONFORM WITH THE MOST RECENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

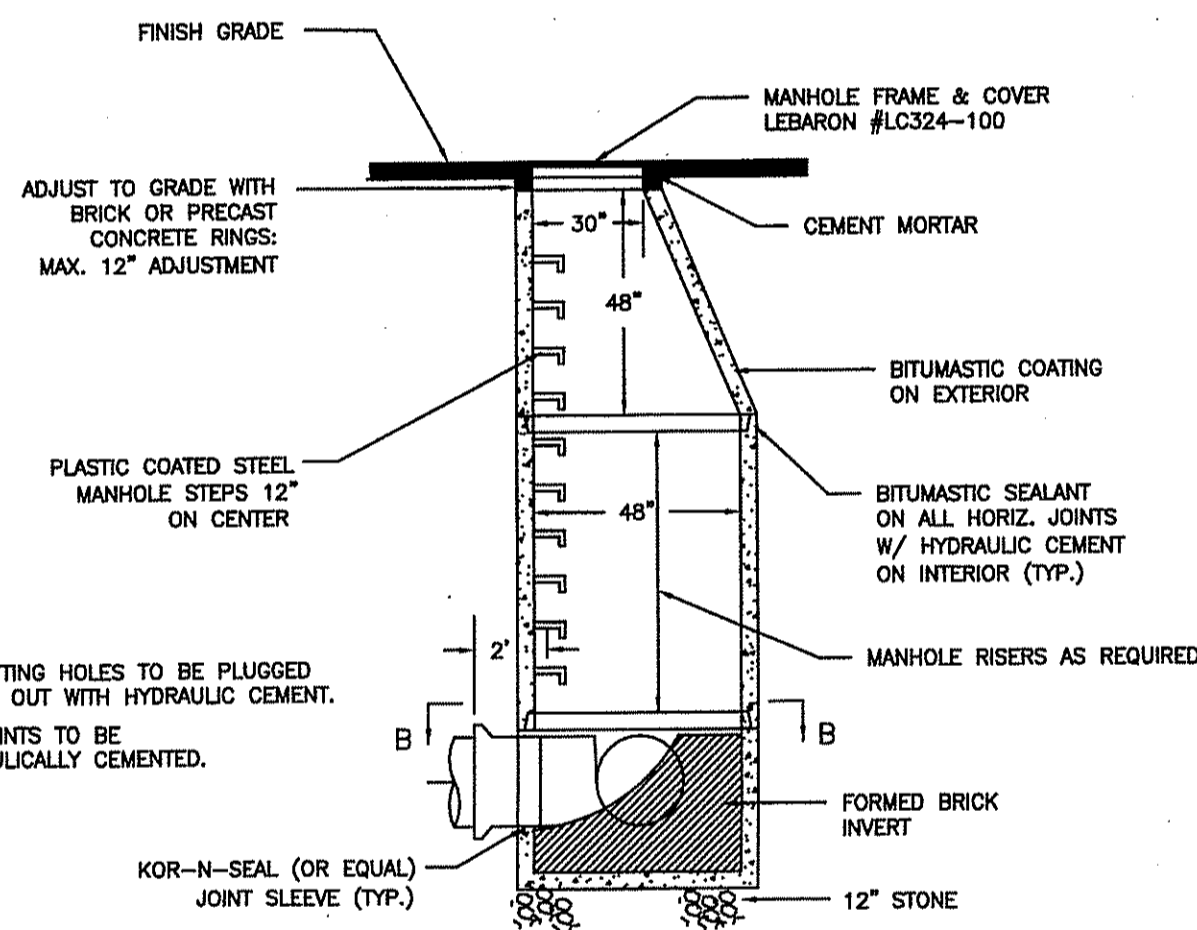
* VAN ACCESSIBLE SIGNS FOR SPACES ADJACENT TO THE 8' STRIPED ISLE.

PROPOSED HANDICAPPED PARKING SIGNS

NOT TO SCALE



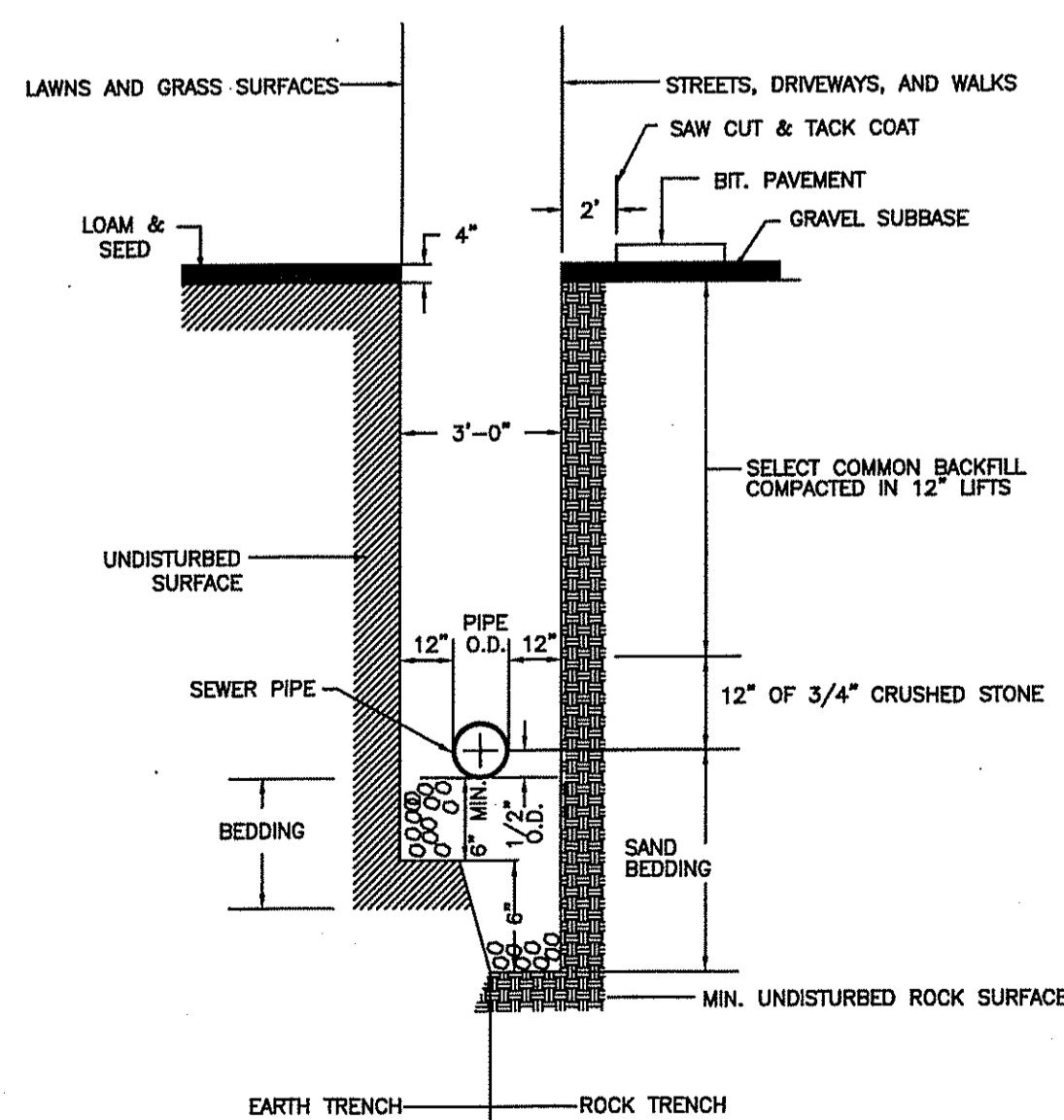
SECTION B-B
NO SCALE



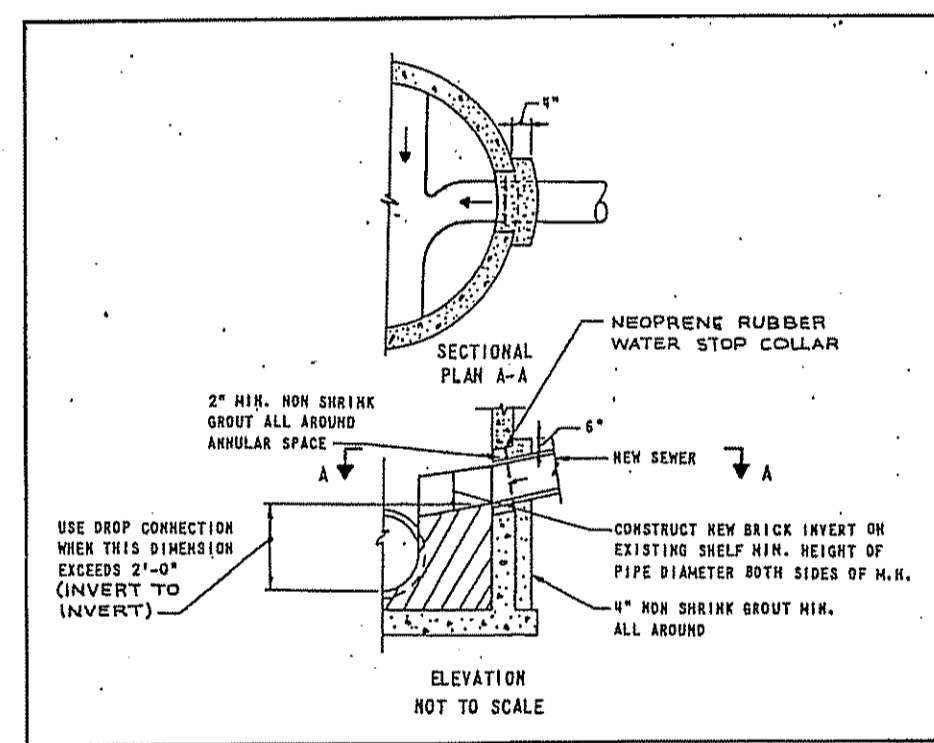
- NOTES:
1. ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT.
2. ALL JOINTS TO BE HYDRAULICALLY CEMENTED.

SANITARY MANHOLE DETAIL

NOT TO SCALE

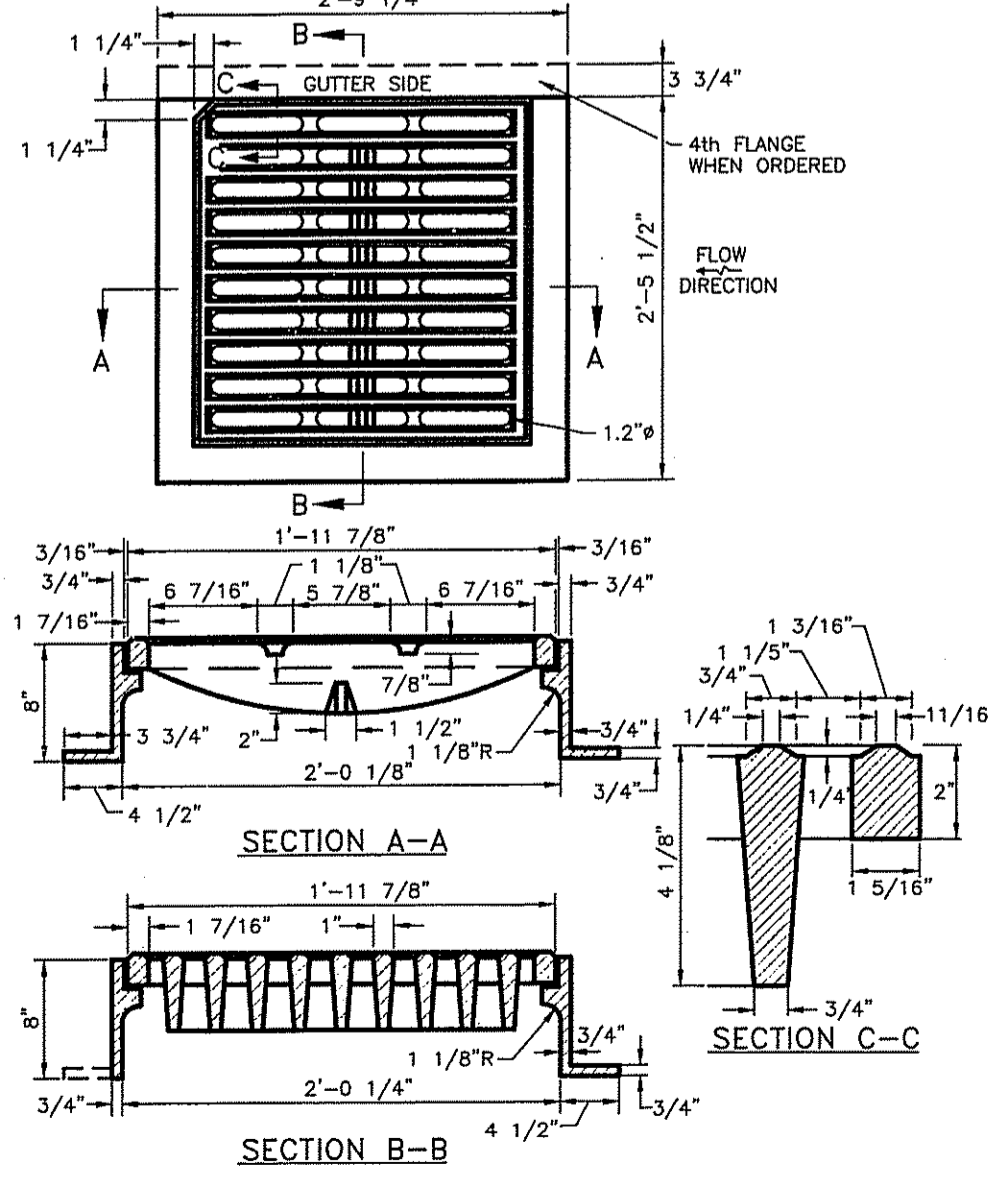


TYPICAL SEWER LINE TRENCH DETAIL
NO SCALE



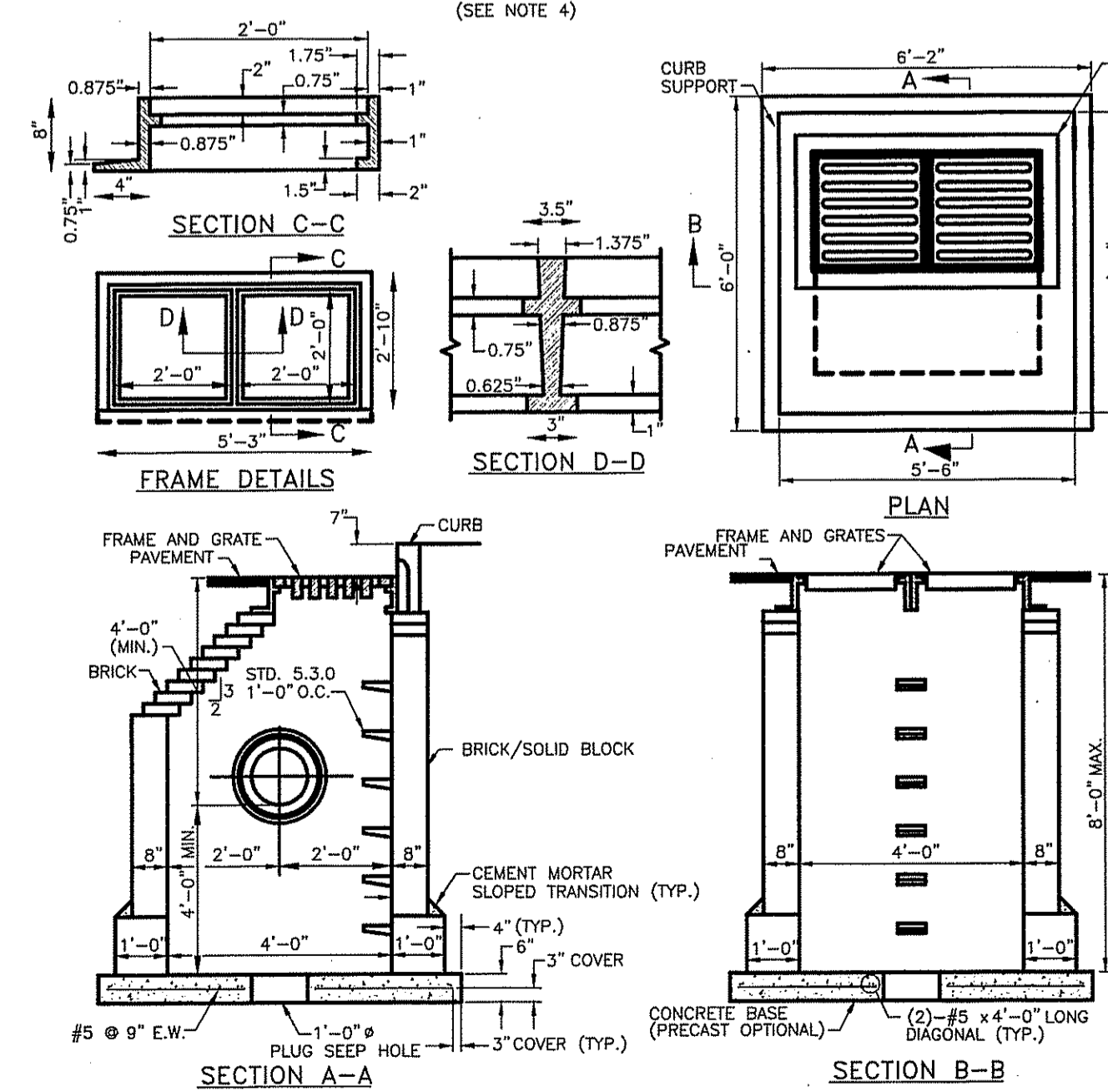
CONNECTING INTO EXISTING SEWER MANHOLE DETAIL

NO SCALE



SQUARE FRAME AND GRATE (BICYCLE SAFE)

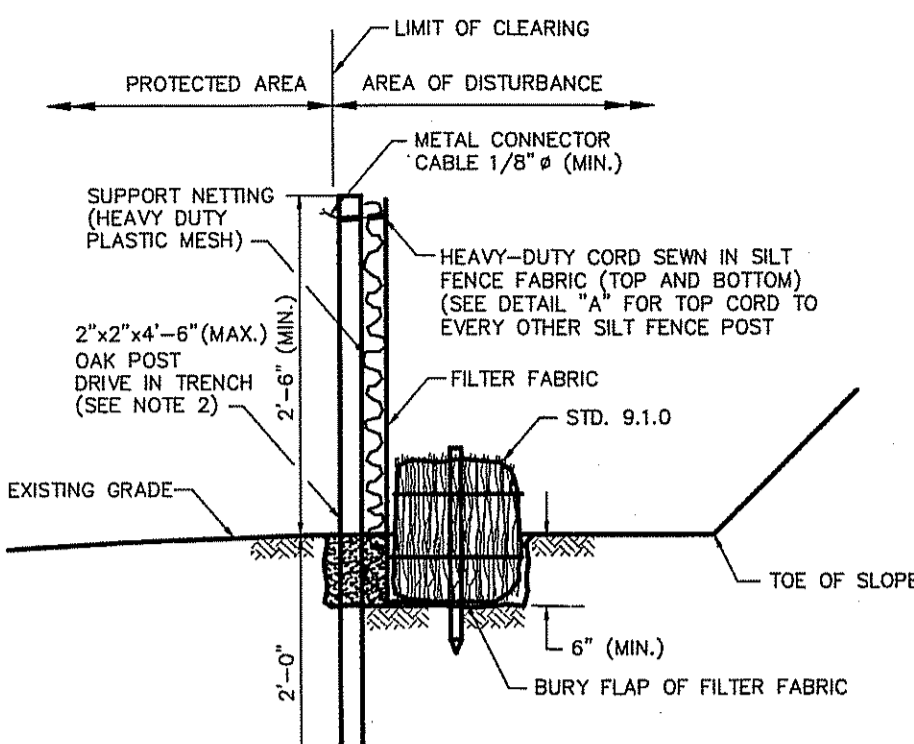
R.I. STANDARD 6.3.2



BRICK/SOLID BLOCK DOUBLE GRATE CATCH BASIN
GRATE PARALLEL TO EDGE OF PAVEMENT

R.I. STANDARD 5.3.4M

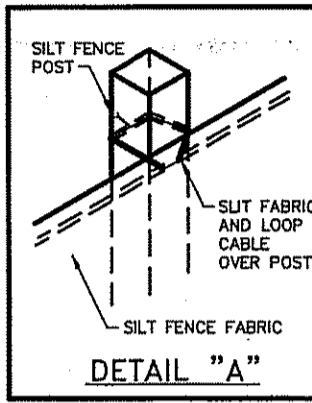
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
2. 1/2" CEMENT MORTAR PLASTER COAT ON ALL INSIDE AND OUTSIDE SURFACES.
3. USE 8" WALLS UP TO 6'-0" DEPTH, AND 1'-0" WALLS UP TO 8'-0" DEPTH.
4. TWO SINGLE FRAMES WITH THREE FLANGES AND TWIN GRATES MAY BE SUBSTITUTED FOR THE DOUBLE FRAME WITH TWIN GRATES.



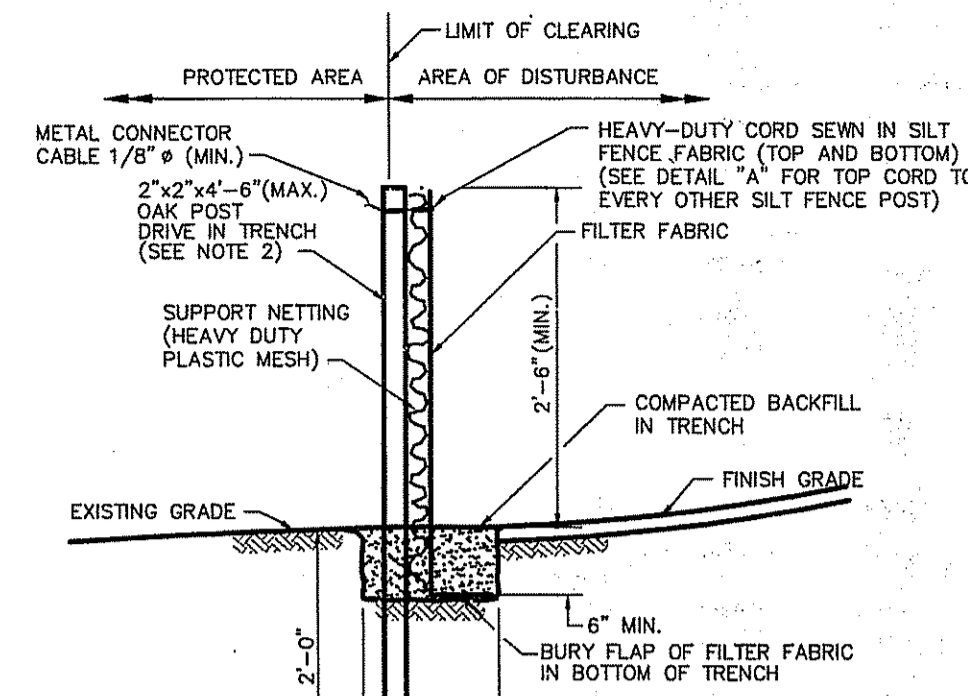
BALED HAY EROSION CHECK AND SILT FENCE COMBINED

R.I. STANDARD 9.3.0

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. STD. 9.1.0 IS INSTALLED "TIGHT" AGAINST SILT FENCE. THOROUGHLY COMPACT EXCAVATED SOILS BACK INTO TRENCH AFTER INSTALLATION OF EROSION CONTROL DEVICE. SILT FENCE FABRIC SHALL NOT BE SUT. STD. 9.1.0 POST SHALL BE DRIVEN THROUGH SILT FENCE FABRIC. 2"x2"x4"-6" (MAX.) OAK POST FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE AND BALED HAY SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



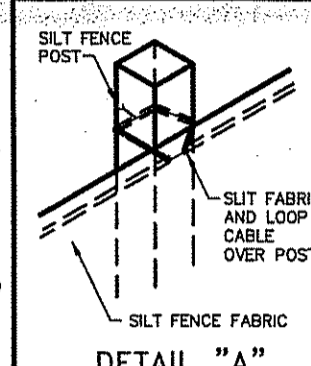
DETAIL "A"



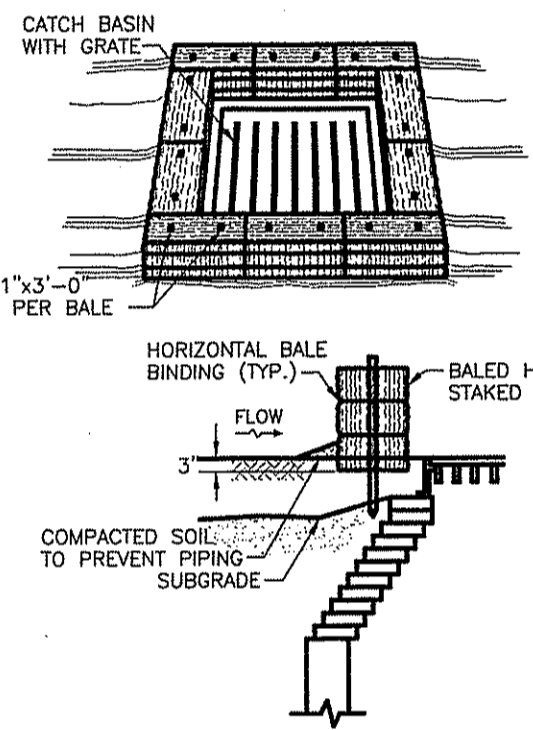
SILT FENCE DETAIL

R.I. STANDARD 9.2.0

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
2. 2"x2"x4"-6" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
3. 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.



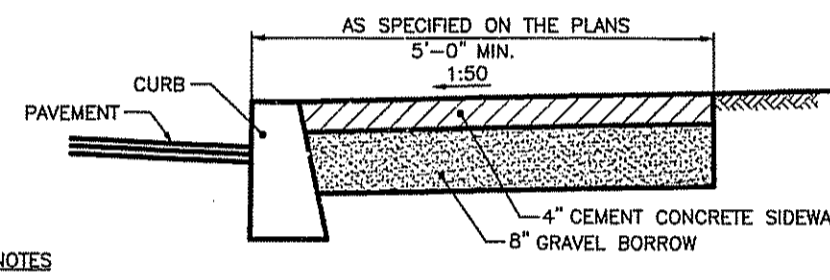
DETAIL "A"



BALED HAY CATCH BASIN INLET PROTECTION

R.I. STANDARD 9.8.0

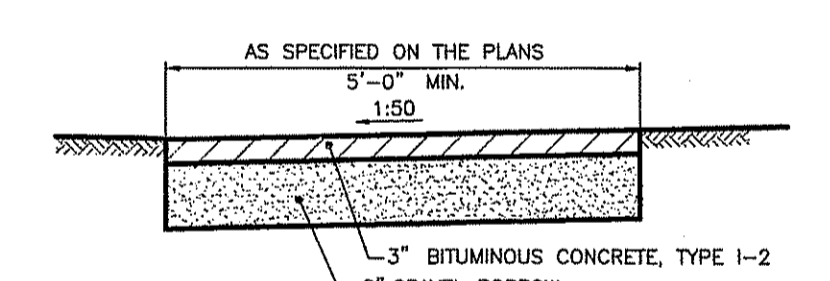
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 209 OF THE R.I. STANDARD SPECIFICATIONS.
2. THIS INLET PROTECTION CAN ALSO BE USED WHEN CONSTRUCTION SEQUENCING REQUIRES A CATCH BASIN TO BE EXPOSED TO THE SUBGRADE. THIS WILL BE ACHIEVED BY INSTALLING THE BALED HAY AS SHOWN ON THIS DETAIL INTO THE SUBGRADE.
3. THE PERIMETER CONFIGURATION OF THE BALED HAY WILL VARY DEPENDING ON THE PARTICULAR TYPE OF CATCH BASIN INLET BEING CONSTRUCTED. THE ENGINEER WILL PROVIDE SPECIFIC DIRECTION IN SUCH CASES.



CEMENT CONCRETE SIDEWALK

R.I. STANDARD 43.1.0

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0.

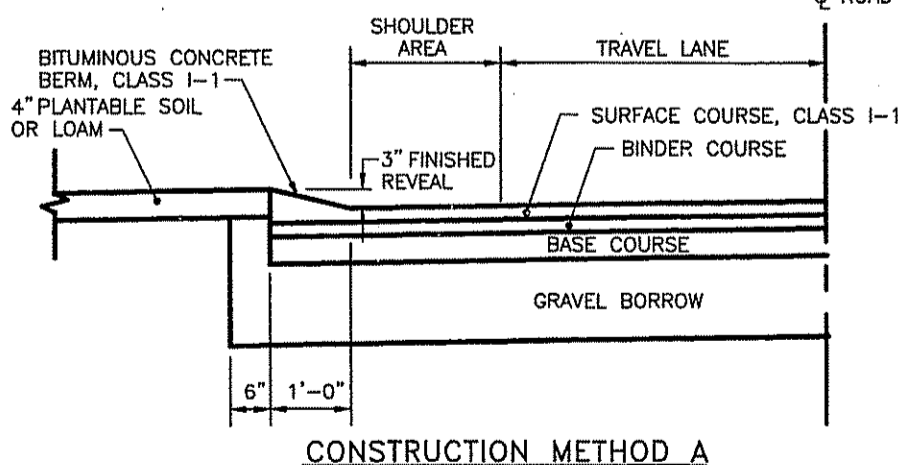


BITUMINOUS CONCRETE SIDEWALK

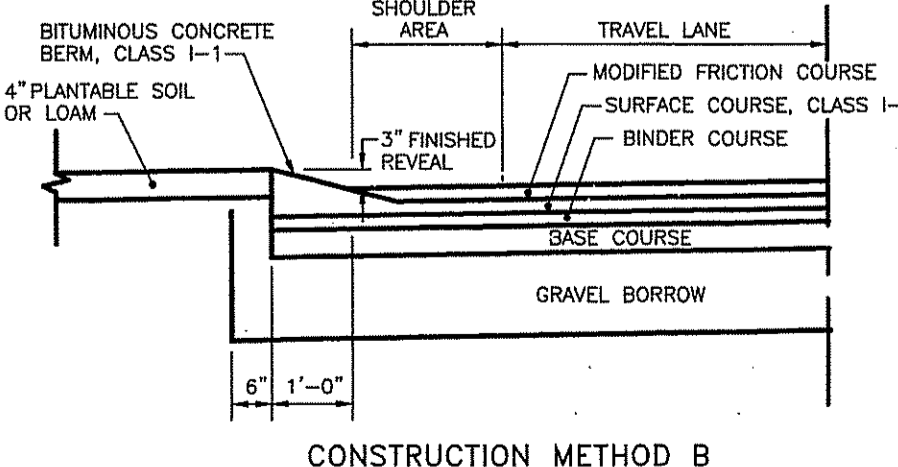
R.I. STANDARD 43.2.0

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.

OFFICE OF WATER RESOURCES
FRESHWATER RESOURCES PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUL 10 2008 FILE # 04-0409
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Nancy L. Freeman



CONSTRUCTION METHOD A



CONSTRUCTION METHOD B

- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 906 OF THE R.I. STANDARD SPECIFICATIONS.
2. BITUMINOUS BERM CAN BE PLACED AT THE SAME TIME THAT THE SURFACE COURSE LAYER IS PLACED ON THE PROJECT ROADWAY, OR IT CAN BE INSTALLED IN A SEPARATE OPERATION.

BITUMINOUS BERM

R.I. STANDARD 7.5.1

CDEF
CASALI & D'AMICO ENGINEERING, INC.
CIVIL - SITE DEVELOPMENT - TRANSPORTATION
DRAINAGE - WETLANDS - IEDS - TRAFFIC - FLOODPLAIN
(601) 944-1300 (601) 944-1373 fax www.casaliinc.com

JOSEPH A. CASALI
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REGISTERED PROFESSIONAL ENGINEER
CIVIL
5.14.08

JOHNSTON RECREATION
ATHLETIC FIELDS
ATWOOD AVENUE
JOHNSTON, RHODE ISLAND
AP 47/1 LOTS 7 & 8

MAY 29 2008

REVISIONS:

NO.	DATE	DESCRIPTION
1	10/07	Town modifications and RIDEM re-submission
2	10/07	RIDEM Comments
3	1/08	RIDEM re-submission
4	5/08	RIDEM Comments

DESIGNED BY: JDC
DRAWN BY: JDC
CHECKED BY: JAC
DATE: AUGUST 2006
PROJECT NO: 03-37b

PRELIMINARY, NOT FOR CONSTRUCTION

DETAILS III

SHEET 11 OF 12