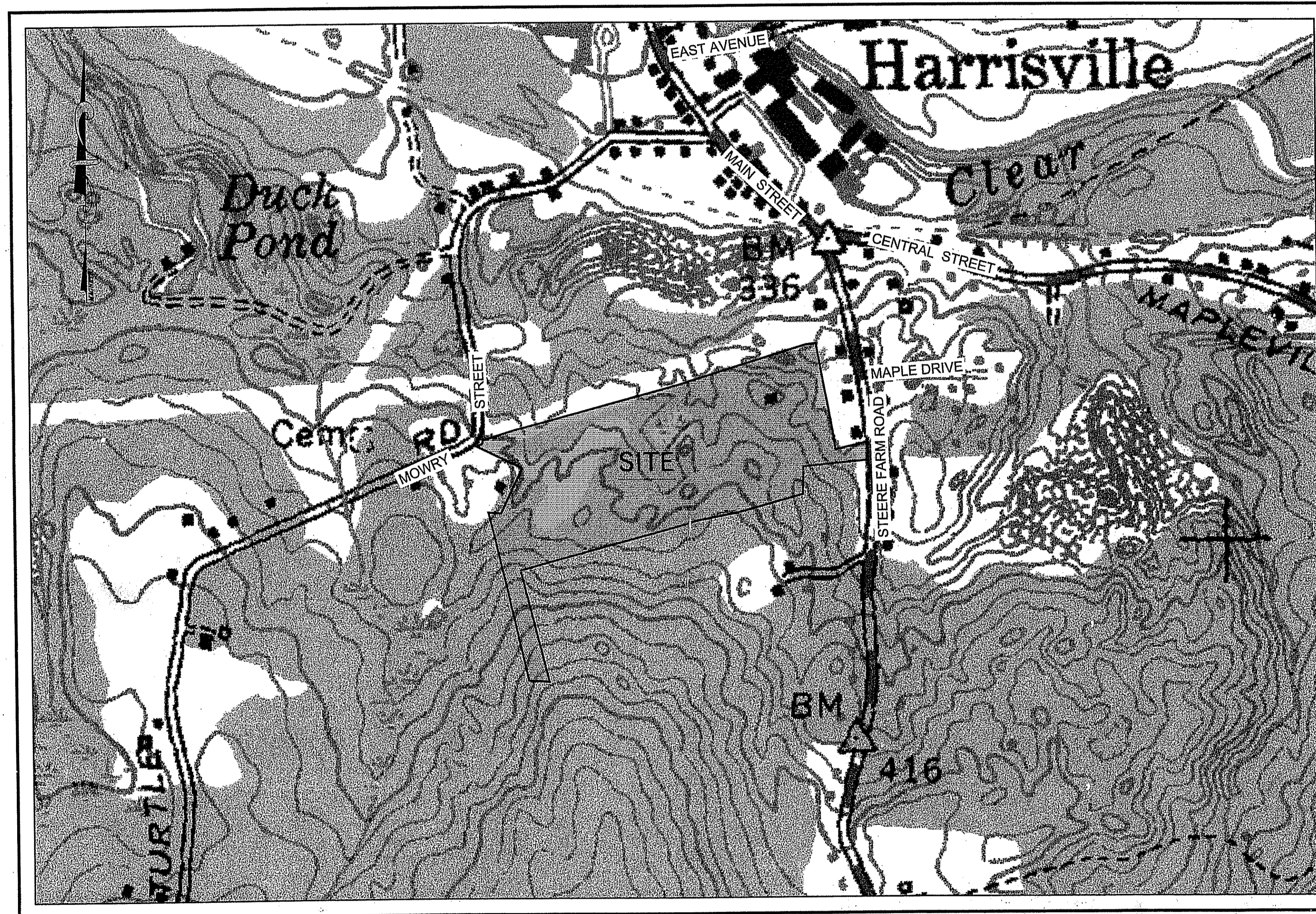


PINE RIDGE

PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT FOR A VILLAGE PLANNED DEVELOPMENT Burrillville, Rhode Island



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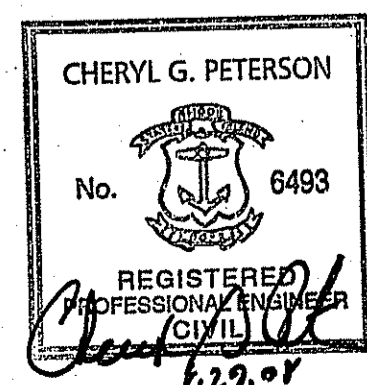
SITE
STEERE FARM ROAD
BURRILLVILLE, RHODE ISLAND
SCALE: 1"=400'

ENGINEER
CHERYL G. PETERSON

PROJECT MANAGER
ADAM GAUDETTE

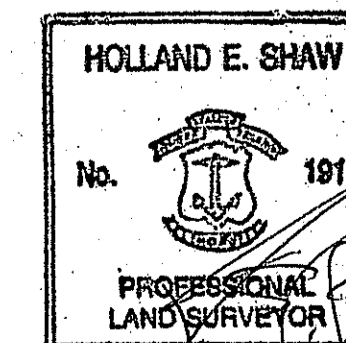
SURVEYOR
HOLLAND E. SHAW

APPLICANT
C & L INVESTMENTS, LLC
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 31 2008 FILE # 05-0313
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Habet

DATE: JULY 14, 2005

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

LEGEND

SYMBOL:	DESCRIPTION:	ABBREVIATION:	DESCRIPTION:
(C)	CATV MANHOLE	T.	TOP
(D)	DRAIN MANHOLE	B.	BOTTOM
(E)	ELECTRIC MANHOLE	TC	TOP OF CURB
(MH)	MANHOLE	BC	BOTTOM OF CURB
(S)	SEWER MANHOLE	BIT.	BITUMINOUS
(W)	TELEPHONE MANHOLE	CONC.	CONCRETE
(W)	WATER MANHOLE	CC	CONCRETE CURB
(W)	CATCH BASIN-ROUND	SGC	SLOPED GRANITE CURB
(W)	CATCH BASIN-SQUARE	VGC	VERTICAL GRANITE CURB
(W)	DOUBLE CATCH BASIN	CCB	CAPE COD BERM
(W)	GAS SHUT OFF	CLF	CHAIN LINK FENCE
(W)	WATER SHUT OFF	WF	WOOD FENCE
(W)	BOLLARD	TYP	TYPICAL
(W)	HYDRANT	EOP	EDGE OF PAVEMENT
(W)	WATER LINE GATE VALVE	FND.	FOUND
(W)	SIGN	REC.	RECORD
(W)	LARGE SIGN	N/F	NOW OR FORMERLY
(W)	GUY POLE	X 123.4	SPOT ELEVATION
(W)	UTILITY POLE	W/O	WALK OUT
(W)	LIGHT POLE	C.O.=12.3	CLEANOUT ELEVATION
(W)	WALL LIGHT	R=12.34	RIM ELEVATION
(W)	TRAFFIC LIGHT	I=12.3	INVERT ELEVATION
(W)	MAIL BOX	B=12.3	BOTTOM ELEVATION
(W)	DIRECTION OF TRAFFIC	N.V.P.	NO VISIBLE PIPES
(W)	BOUND	T.O.W.	TOP OF WATER
(W)	DRILL HOLE	T.O.D.	TOP OF DEBRIS
(W)	IRON PIN	F.O.D.	FULL OF DEBRIS
(W)	TRAVERSE CONTROL POINT	ENT.	ENTRANCE
(W)	OBSERVATION WELL	TS	TOP OF SLOPE
(W)	PERC TEST	BS	BOTTOM OF SLOPE
(W)	TEST PIT	FA	FIRE ALARM
(W)	SHRUB	HW	HEADWALL
(W)	TREE	OCS	OUTLET CONTROL STRUCTURE
(W)	HANDICAP PARKING SPACE	ICV	IRRIGATION CONTROL VALVE
(W)	HANDICAP RAMP	PIV	POST INDICATOR VALVE
(W)	HAYBALES & SILT FENCE	B.B.V.W.	BOUNDARY OF BORDERING VEGETATED WETLANDS
(W)	EXISTING CONTOURS	GTD	GRADE TO DRAIN
(W)	LIMIT OF WETLANDS	LA	LANDSCAPE AREA
(W)	LIMIT OF 100' RIVERBANK WETLAND	HP	HIGH POINT
(W)	LIMIT OF 50' PERIMETER WETLAND	WQU	WATER QUALITY UNIT
(W)	GAS LINE	TD	TRENCH DRAIN
(W)	DRAIN LINE	x WF# a-1	WETLAND FLAG
(W)	ELECTRIC LINE	TOF	TOP OF FOUNDATION ELEV.
(W)	SEWER LINE	BFE	BASEMENT FLOOR ELEV.
(W)	TELEPHONE LINE	FG	FINISHED GRADE
(W)	WATER LINE	ELEV.	ELEVATION
(W)	OVER HEAD WIRE		
(W)	STONE WALL		
(W)	TREE LINE		
(W)	GUARDRAIL		
(W)	RETAINING WALL		
(W)	FENCE LINE		
(W)	TIRE SCRUBBER		
(W)	LIMITS OF DISTURBANCE		

GENERAL NOTES

- THE LOCATION OF SUSPECTED EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. ANY UNDERGROUND UTILITY LOCATIONS, IF INDICATED HEREIN, HAVE BEEN DETERMINED FROM THE FIELD LOCATION OF MANHOLES, GATES, AND/OR OTHER SURFACE STRUCTURES, BY PHYSICAL INSPECTION, AND/OR FROM AVAILABLE PLANS OF RECORD. PRIOR TO ANY EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF EXISTING UNDERGROUND PIPES, CONDUITS, TANKS AND STRUCTURES. NOTIFY DIG-SAFE AT 1-888-DIG-SAFE (1-888-344-7233) PRIOR TO BEGINNING ANY EXCAVATION OR CONSTRUCTION.
- ALL WORK WITHIN THE STATE'S RIGHT-OF-WAY SHALL CONFORM TO RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2004 INCLUDING ALL REVISIONS AND RHODE ISLAND STANDARD DETAILS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES 2003 INCLUDING ALL REVISIONS.
- SHOULD CONFLICTS OCCUR WITH EXISTING UTILITIES, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER FOR FIELD CHANGES.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON SITE AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES OR DEVIATIONS FROM THE PLANS TO THE ENGINEER. ALSO REPORT ANY CONDITION UNCOVERED IN THE WORK WHICH IS NOT REFLECTED WITHIN THE PLANS.
- ALL DIMENSIONS ARE TO FACE OF BUILDINGS, CURBS, WALLS, FENCES AND GUARDRAILS OR TO CENTER OF PAINT MARKINGS UNLESS OTHERWISE INDICATED ON THE PLANS.
- ALL STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF THE TOWN OF BURRILLVILLE D.P.W. SPECIFICATIONS.
- ALL DRAIN PIPE TO BE HDPE (ADS N-12 HAND CORE HI-Q, OR EQUAL), UNLESS OTHERWISE SPECIFIED ON PLANS.
- THE ENTIRE AREA WITHIN THE LIMIT OF WORK, AS NECESSARY FOR CONSTRUCTION EARTHWORK, SHALL BE CLEANED OF ALL BRUSH, TREE ROOTS, STUMPS, BOULDERS, AND OTHER OBJECTIONABLE MATTER. WHERE GOOD TOP SOIL IS FOUND WITHIN WORK AREAS IT SHALL BE REMOVED AND STOCKPILED WITHIN THE SITE FOR FUTURE USE. THE ENTIRE AREA BENEATH THE WORK AREA SHALL HAVE LOAM, PEAT, AND OTHER UNSUITABLE MATERIAL REMOVED TO HARD BOTTOM.
- TOPOGRAPHIC ELEVATIONS ARE BASED ON THE N.A.D. OF 1988.
- NO DUMPED RIP-RAP WILL BE ALLOWED. RIP-RAP, WHERE CALLED FOR ON THE PLANS, SHALL BE PLACED AND SHALL CONFORM TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 920.
- STREET SIGNS SHALL BE IN CONFORMANCE WITH THE TOWN OF BURRILLVILLE DEPARTMENT OF PUBLIC WORKS APPLICABLE STANDARDS.
- ALL CATCH BASINS TO HAVE FOUR (4) FOOT SUMPS.
- HANDICAPPED RAMPS TO BE PLACED ACCORDING TO A.D.A. STANDARDS.
- ALL EASEMENTS TO BE GRADED TO ALLOW ACCESS FOR VEHICLES AND ALL STRUCTURES WITHIN THE EASEMENT AREA ARE TO BE SET FLUSH WITH FINISHED GRADE.
- MANHOLE COVERS SHALL BE MARKED SEWER OR DRAIN AS APPLICABLE.
- TACK COAT IS REQUIRED BETWEEN PAVEMENT COURSES IF MORE THAN ONE YEAR LAPSES BETWEEN COURSES.
- TOP SOIL IS TO BE REMOVED FROM ALL AREAS OF CUT AND FILL AND SHALL BE STOCKPILED WITHIN THE PROJECT LIMITS FOR REUSE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED OR LANDSCAPED ARE TO BE RESTORED WITH A MINIMUM OF 4" OF TOP SOIL AND SEED. NO MATERIAL IS TO BE STOCKPILED IN ANY FRESHWATER WETLAND.
- WATER MAIN TO BE 8" CLASS 52 CEMENT LINED DUCTILE IRON (CLDI).
- ROADWAY SUBDRAINS SHALL BE INSTALLED BENEATH THE EDGE OF PAVEMENT WHERE HIGH GROUNDWATER DICTATES THEIR USE. THE SUBDRAINS SHALL DRAIN TO DAYLIGHT WHEREVER POSSIBLE.
- ALL DISTURBED AREAS NOT OTHERWISE STABILIZED OR LANDSCAPED SHALL BE LOAMED AND SEEDED AS SOON AS IS PRACTICABLE.
- ALL EROSION/SEDIMENTATION CONTROLS ARE TO BE IN PLACE PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT DURATION.
- ALL PROPOSED CURB RADII SHALL BE 3' RADIUS UNLESS OTHERWISE NOTED ON THE PLANS.
- ALL SPOT ELEVATIONS AT CURB LINES INDICATE BOTTOM OF CURB ELEVATIONS.
- DETENTION POND DISCHARGE PIPES SHALL HAVE ANTI-SEEP COLLARS.
- BERMS AROUND DETENTION PONDS SHALL HAVE A CLAY KEY TO PREVENT SEEPAGE.
- ALL RETAINING WALLS WITH GREATER THAN A FOUR FOOT REVEAL SHALL BE DESIGNED, INSPECTED CERTIFIED TO THE CONSTRUCTION, AND CERTIFIED TO THE INTEGRITY BY A REGISTERED STRUCTURAL ENGINEER.
- UTILITIES THAT ARE PROPOSED TO BE INSTALLED IN FILL SECTIONS SHALL BE INSTALLED ACCORDINGLY:
 - FILL AREA SHALL BE FILLED TO SUBGRADE ELEVATION WITH COMMON FILL COMPACTED TO 95% DENSITY.
 - THE UTILITY TRENCH SHALL THEN BE EXCAVATED ACCORDING TO THE TYPICAL TRENCH SECTION DETAIL.
- NO CONNECTIONS OR DISCHARGE TO THE PROPOSED SANITARY STUB SHALL BE MADE UNTIL APPROVED BY THE BURRILLVILLE SEWER COMMISSION.
- ALL SANITARY SEWER WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE BURRILLVILLE SEWER COMMISSION RULES AND REGULATIONS AND SHALL BE PERFORMED BY A LICENSED DRAIN LAYER IN THE TOWN OF BURRILLVILLE.
- SANITARY SEWER MAIN TO BE 8" SDR-35 PVC MANUFACTURED IN ACCORDANCE WITH ASTM 3034.
- CONNECTION TO THE EXISTING SEWER MAIN SHALL BE MADE BY CUTTING AND SPLICING THE EXISTING MAIN AND CONNECTING THE PROPOSED MANHOLE WITH STANDARD COUPLINGS. FABRICATION OF THE SEWER MANHOLE SHALL BE COORDINATED TO MAINTAIN THE EXISTING PIPE SLOPE THROUGH THE STRUCTURE.

- COPIES OF PRODUCT CUT SHEETS FOR ALL SEWER MATERIALS SHALL BE PROVIDED TO THE BURRILLVILLE SEWER COMMISSION.
- SANITARY SEWER SERVICE LATERALS SHALL HAVE A MINIMUM COVER OF 42-INCHES. WYE CONNECTIONS TO BE USED AT ALL SANITARY SEWER LATERAL CONNECTIONS TO THE MAIN.
- SANITARY SEWER LINES AND MANHOLES SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE RULES AND REGULATIONS GOVERNING THE PUBLIC SANITARY SEWER SYSTEM IN THE TOWN OF BURRILLVILLE, RHODE ISLAND.
- ALL WATER MAINS SHALL BE 8" CEMENT LINED DUCTILE IRON UNLESS OTHERWISE SHOWN ON THE PLANS.
- HYDRANTS SHALL BE MODEL B-84-B AS MANUFACTURED BY AMERICAN FLOW CONTROL PER THE HARRISVILLE WATER DISTRICT STANDARDS.
- ALL WATER LINE VALVES AND HYDRANTS SHALL OPEN RIGHT.
- ALL HYDRANT AND VALVE ASSEMBLIES SHALL BE FURNISHED WITH MEGALUG RESTRAINED MECHANICAL JOINTS.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL HAVE A PRECONSTRUCTION MEETING WITH REPRESENTATIVES FROM THE BURRILLVILLE SEWER COMMISSION, HARRISVILLE WATER DISTRICT, BURRILLVILLE DEPARTMENT OF PUBLIC WORKS AND OTHER TOWN OFFICIALS AS NECESSARY.
- PRODUCT CUT SHEETS FOR ALL WATER APPURTENANCES SHALL BE SUBMITTED TO THE HARRISVILLE WATER DISTRICT.
- INSTALLATION OF ALL PROPOSED WATER INFRASTRUCTURE SHALL BE INSPECTED BY THE HARRISVILLE WATER DISTRICT SUPERINTENDENT PRIOR TO BACKFILL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION, MAINTENANCE AND REPAIR OF ALL DRAINAGE STRUCTURES ON THE PROJECT SITE THROUGHOUT CONSTRUCTION OF THE DEVELOPMENT AND UNTIL ACCEPTANCE OF THE PROJECT BY THE ENGINEER AND THE TOWN OF BURRILLVILLE. FOLLOWING ACCEPTANCE OF THE PROJECT BY THE ENGINEER AND THE TOWN OF BURRILLVILLE, C&L INVESTMENTS, LLC OR THEIR HEIRS, SUCCESSORS AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSPECTION, MAINTENANCE AND REPAIR OF ALL DRAINAGE STRUCTURES AND APPURTENANCES ON THE PROPERTY.
- THE CONTRACTOR SHALL CLEAN AND FLUSH ALL PIPES, MANHOLES AND CATCH BASINS ASSOCIATED WITH THE DRAINAGE SYSTEM AT THE END OF CONSTRUCTION. THE SUBSURFACE INFILTRATION SYSTEMS, DETENTION BASINS, PIPE OUTFALLS, ETC. SHALL BE CLEANED OUT OF ALL ACCUMULATED SEDIMENT AND DEBRIS AT CONSTRUCTION COMPLETION.
- WATER LINES AND SEWER LINES SHALL BE SEPARATED BY 10' HORIZONTALLY. WHERE THIS IS NOT POSSIBLE, AN 18" SEPARATION BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER LINE IS ALSO ACCEPTABLE BUT ONLY WHERE THE WATER LINE IS ABOVE THE SEWER LINE. BOTH PIPES SHALL BE ENCASED IN CONCRETE (SEE DETAIL) IN ANY AREA WHERE NEITHER OF THE TWO SEPARATIONS NOTED ABOVE CAN BE MAINTAINED IN SUCH A MANNER BOTH THE WATER LINE AND SEWER LINE (IN AREA OF ENCASEMENT) MUST BE PRESSURE TESTED TO 150 P.S.I. TO ENSURE BOTH ARE WATER TIGHT.
- ALL ON-SITE UTILITIES SHOWN ARE TO REMAIN PRIVATE, INCLUDING BUT NOT LIMITED TO WATER, SEWER, AND STORM WATER FACILITIES.

Operation and Maintenance Plan
 BMP Owner: C&L Investments, LLC
 Party Responsible for Operation and Maintenance: C&L Investments, LLC
 Schedule for Inspection and Maintenance:

- General Maintenance**
- Roadway pavement to be swept a minimum of two (2) times per year, or more often if required.
 - Catch basins shall be inspected annually (each spring) for structural soundness, debris and sediment level. If sediment is within eight (8) inches of the bottom of the outlet hood of any catch basin, the sediment is to be removed by a vacuum truck within two (2) weeks. Any structural damage shall be repaired immediately.
- Extended Detention Basins**
- Side-slopes, embankments and the inlets of each basin shall be inspected annually for structural integrity. Any bare spots in or around the basin shall be immediately reseeded to prevent subsequent soil erosion.
 - Side-slopes, embankments and the upper stage of each basin shall be mowed at least once per year in the spring to prevent woody growth and promote wildlife habitat.
 - All trash and litter shall be removed from the basins during mowing operations.
 - Sediment shall be removed from each basin within the first year of construction. A 30" long marker shall be buried 12" into the bottom of Basins at the end of the rip rap from the inlet pipes. Marker shall be painted orange from top to 6" above floor of basin. Sediments shall be removed from the basins at least once every 5 years or when sediments reach painted portion of marker.
 - Outlet structures shall be inspected for structural soundness, clogging and erosion at the outfalls:
 - Monthly, especially after rainfall events, during the first six months
 - Twice per year thereafter
 - Sediment removed from the storm water system shall be disposed of at an off-site facility in accordance with applicable local, state and federal regulations.
 - The detention basins outlet control structures and all outfall channels shall be inspected annually. All extended detention devices shall be inspected at least twice per year. Special attention shall be delegated to the discharge points from each detention basin where the small diameter low flow orifice pipe is provided, in order to ensure that they are not blocked or obstructed in any way at any time by debris, vegetation, etc.
 - Inspections of the basins shall be accomplished several times during the first six (6) months of operation, especially after rainfall events, to check for clogging or, conversely, too rapid of a release of storm water
 - In the event that any inspection reveals that standing water is present in a detention basin for more than seventy-two (72) hours after a rainfall event, then failure of the system has occurred and repairs must be conducted immediately.
- Infiltration Beds**
- Underground infiltration areas A & B shall be inspected and cleaned annually with any oil or debris removed and disposed of in accordance with applicable local, state and federal regulations.
 - In the event that any inspection reveals that standing water is present in any of the subsurface infiltration systems on the site more than seventy-two (72) hours after a rainfall event, then failure of the system has occurred and repairs must be conducted immediately.
 - Subsurface infiltration systems shall be inspected after every rainfall event during the first six (6) months of operation to check for clogging or conversely, too rapid of a release of storm water. Inspectors shall look for the following indications that maintenance or repairs are required:
 - Accumulation of silt or other debris within the system
 - Prolonged ponding of water within the system
 - Subsurface infiltration systems shall be inspected for structural soundness, clogging and erosion at the outfalls:
 - Monthly, especially after rainfall events, during the first six months
 - Twice per year thereafter
- Oil-Water Separators**
- Oil-water separators shall be inspected and cleaned at least once annually with all oil and sediments removed and disposed of in accordance with applicable local, state and federal regulations.
- Road Culverts**
- C&L Investments, LLC shall be responsible for inspection and maintenance of all road culverts.
 - Culverts shall be inspected for structural soundness and clogging:
 - Monthly, especially after rainfall events, during the first six months
 - Twice per year thereafter
 - In the event that any inspection reveals that the culverts are damaged repairs must be conducted immediately. Culverts shall be kept free of sediment and debris at all times.

GENERAL CONSERVATION NOTES:

- ALL EROSION/SEDIMENTATION CONTROLS TO BE IN PLACE PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT DURATION.
- ALL DISTURBED AREAS ARE TO BE COVERED WITH TOPSOIL, REGRADED AND SEEDED.
- THERE SHALL BE NO WORK DONE WITHIN FRESHWATER WETLANDS PRIOR TO APPROVAL FROM THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
- WHILE CONSTRUCTION OF THE ROADS IS BEING PERFORMED, DUST WILL BE KEPT TO A MINIMUM BY WATERING THE ROADWAY AS CONDITIONS REQUIRE.
- HAYBALES SHALL BE PLACED AROUND ALL CATCH BASINS AND MANHOLES UNTIL ALL AREAS DRAINING TO THEM ARE PERMANENTLY STABILIZED.
- SLOPES SHALL BE TEMPORARILY STABILIZED UNTIL VEGETATION IS ESTABLISHED USING WEED FREE STRAW OR BIONET (ORGANIC NET) EROSION CONTROL BLANKETING ON SLOPES GREATER THAN 3:1 OR IN FRESHWATER WETLAND JURISDICTION ON EXPOSED SOIL SLOPES TRIBUTARY TO WETLANDS.
- THE WORK ASSOCIATED WITH THE PROPOSED FLOOD PLAIN MITIGATION AREA IS TEMPORARY. THE AREA SHALL COVERED WITH TOPSOIL, REGRADED AND SEEDED, AND NATURAL VEGETATION ALLOWED TO RE-VEGETATE THE AREA.

SEQUENCE OF CONSTRUCTION:

ALL DRAINAGE STRUCTURES INCLUDING CROSS CULVERTS, STORM WATER MANHOLES, CATCH BASINS, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE CONSTRUCTED AND STABILIZED PRIOR TO ANY OTHER LOT DEVELOPMENT. IMMEDIATELY FOLLOWING STRUCTURE INSTALLATION, HAY BALES SHALL BE PLACED AROUND RIMS AND ALL DISTURBED AREAS SHALL BE HYDROSEEDED, MULCHED OR COVERED WITH ENVIRONMENTAL MATTING AND CHECKED REGULARLY TO PREVENT EROSION FROM TAKING PLACE.

DETENTION POND CONSTRUCTION

UPON COMPLETION OF DETENTION POND, ALL INTERIOR AND EXTERIOR SIDE SLOPES SHALL BE STABILIZED WITH HYDROSEED CONTAINING CONSERVATION SEED MIXTURE.

DURING THE CONSTRUCTION PHASE OF THIS PROJECT, THE STORM WATER DETENTION POND WILL BE USED AS SEDIMENTATION AREA. TO ACCOMMODATE THIS DUAL USE, DURING CONSTRUCTION THE FOLLOWING MEASURES SHALL BE USED

A SILT ELEVATION POLE SHALL BE DRIVEN VERTICALLY INTO THE POND BOTTOM SO THAT THE ELEVATION OF THE POND BOTTOM, MAXIMUM SILT LEVEL AND OUTLET ELEVATION CAN BE MARKED ON IT AND READ FROM THE POND PERIMETER.

A SILT FENCE BAFFLE SHALL BE INSTALLED ACROSS THE POND THAT SEGREGATES THE POND INLET FROM THE OUTLET TO PROMOTE THE SEDIMENTATION OF FINE PARTICULATE MATTER.

OUTLET TEES SHALL BE INSTALLED ON THE POND INTERIOR SIDE OF THE OUTLET. TEES SHALL BE ORIENTED IN A VERTICAL ALIGNMENT.

THE DETENTION BASINS SHALL BE INSPECTED SIX (6) MONTHS AFTER COMPLETION OF THE PROJECT TO DETERMINE THE AMOUNT OF SILTATION THAT HAS OCCURRED. THIS INSPECTION WILL BE USED TO DETERMINE IF THE PROPOSED INSPECTION SCHEDULE IS ACCEPTABLE, OR IF MORE FREQUENT CLEANINGS WILL BE REQUIRED. AFTER THE FIRST YEAR OF OPERATION, SEDIMENTS SHALL BE REMOVED EVERY 5 YEARS THEREAFTER. MORE FREQUENT REMOVALS SHALL BE ADOPTED IF ANNUAL INSPECTIONS REVEAL THAT SEDIMENT ACCUMULATES FASTER THAN PREVIOUSLY PROJECTED. SEDIMENT SHALL BE REMOVED FROM EACH BASIN WITHIN THE FIRST YEAR OF CONSTRUCTION. A 30" LONG MARKER SHALL BE BURIED 12" INTO THE BOTTOM OF BASINS AT THE END OF THE RIP RAP FROM THE INLET PIPES. MARKER SHALL BE PAINTED ORANGE FROM TOP TO 6" ABOVE FLOOR OF BASIN. SEDIMENTS SHALL BE REMOVED FROM THE BASINS AT LEAST ONCE EVERY 5 YEARS OR WHEN SEDIMENTS REACH PAINTED PORTION OF MARKER.

THE POND SHALL BE EXCAVATED TO A DEPTH OF ONE (1) FOOT ABOVE FINAL GRADE DURING CONSTRUCTION. WHEN THE SITE IS STABILIZED WITH VEGETATION, THE POND SHALL BE EXCAVATED TO THE FINISHED GRADES SHOWN ON THE DESIGN PLANS. THIS WILL ALLOW THE ORIGINAL SOIL TO REMAIN IN PLACE WITHOUT BEING DISTURBED OR CLOGGED WITH SILT TO PROVIDE FOR MAXIMUM INFILTRATION FOLLOWING THE COMPLETION OF CONSTRUCTION.

A FLOC LOG (AS MANUFACTURED BY APPLIED POLYMER SYSTEMS OF WOODSTOCK, GEORGIA) SHALL BE STAKED IN PLACE IMMEDIATELY DOWNSTREAM OF EACH DETENTION POND OUTLET STRUCTURE TO ENCOURAGE THE SETTLEMENT OF FINE PARTICULATE MATTER. FLOC LOGS ARE EXPECTED TO LAST 90 DAYS. LOGS SHALL BE REPLACED PERIODICALLY AS THEY ARE DISSOLVED AWAY.

HAYBALES AND SILT FENCE

SEDIMENT SHALL BE ALLOWED TO ACCUMULATE ADJACENT TO THE UPHILL SIDE OF A HAY BALE AND SILT FENCE ROW TO A DEPTH NO GREATER THAN SIX (6) INCHES.

DEGRADED HAYBALES, FALLEN SILT FENCE, OR OTHER DEFECTS IN ANY HAY BALE AND SILT FENCE ROW SHALL BE FIXED IMMEDIATELY UPON DISCOVERY.

CATCH BASINS AND DRAINAGE INLETS

ALL CATCH BASINS AND DRAINAGE INLETS SHALL BE PROTECTED BY HAY BALE SILT DAMS UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED IN ALL AREAS TRIBUTARY TO THE STRUCTURE.

SILT SACKS SHALL BE INSTALLED IN ALL CATCH BASINS AND MAINTAINED UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED IN ALL AREAS TRIBUTARY TO THE STRUCTURE.

SEDIMENT SHALL BE ALLOWED TO ACCUMULATE IN THE SUMPS OF CATCH BASINS TO A DEPTH NO GREATER THAN SIX (6) INCHES

INFILTRATION STRUCTURE INSTALLATION

PRIOR TO CONSTRUCTION, THE AREAS WHERE THE PROPOSED SUBSURFACE INFILTRATION STRUCTURES ARE TO BE INSTALLED SHALL BE ROPED OFF TO PREVENT COMPACTION OF THE SOIL BY CONSTRUCTION-RELATED ACTIVITIES.

DURING CONSTRUCTION, THESE AREAS SHALL BE EXCAVATED WITH LIGHT EARTH-MOVING EQUIPMENT (WHICH DOES NOT INCLUDE BULLDOZERS OR STANDARD SIZE PAYLOADERS) IN ORDER TO PREVENT COMPACTION OF EXISTING SOILS.

THE SUBSURFACE INFILTRATION SYSTEMS SHALL NOT BE ALLOWED TO RECEIVE RUNOFF UNTIL THE ENTIRE CONTRIBUTORY DRAINAGE TO THE INFILTRATION SYSTEMS HAVE RECEIVED FINAL SITE STABILIZATION.

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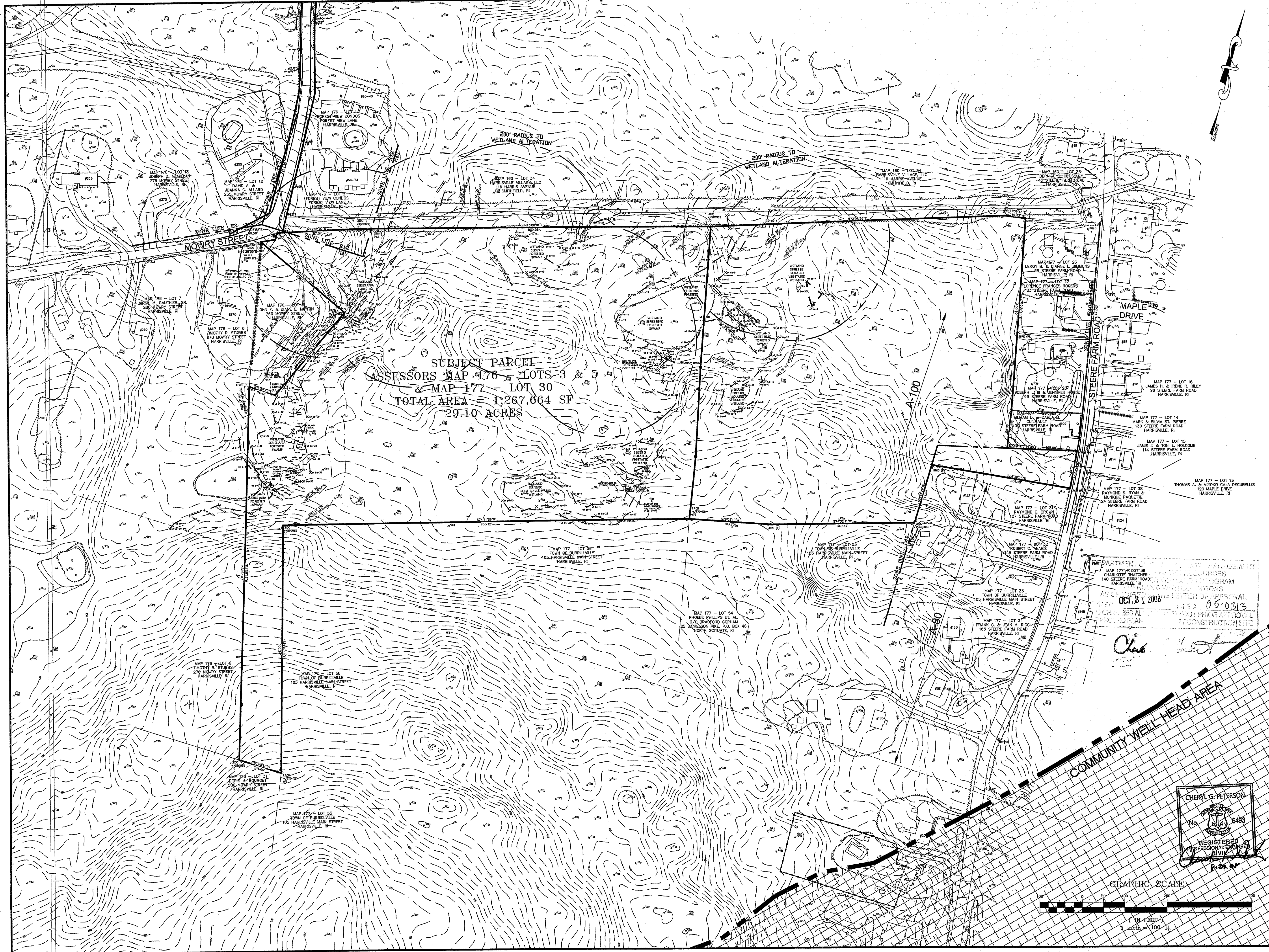
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 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hester

 CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF RHODE ISLAND
 12.29.07

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV
NO.	DATE	DESCRIPTION	BY

RECEIVED
 SEP 28 2008
 PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND
LEGEND AND GENERAL NOTES
 Prepared For
C & L INVESTMENTS
 SCALE: NONE DATE: JULY 14, 2005
 JOB NO: RI 02-103 DRAWING #: RI 02-103 02-DEFIN-LEG.dwg
 DRAWN / CHECKED BY: WCN / EW SHEET: 2 of 31



SUBJECT PARCEL
 ASSESSORS MAP 176 - LOTS 3 & 5
 & MAP 177 - LOT 30
 TOTAL AREA = 1,267,664 SF
 29.10 ACRES

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY, ONE MAIN STREET
 N. SMITHFIELD, RI 02895 WHITINSVILLE, MA 07588
 TEL 508-266-2066 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

NOTES:
 TOPOGRAPHIC INFORMATION SHOWN IS BASED ON AN AERIAL SURVEY PERFORMED BY G.H. SELLS INC. AND ACTUAL GROUND SURVEY BY HERITAGE DESIGN GROUP. CONTOURS MAPPED AND COMPILED TO MEET THE ASPRS STANDARD FOR CLASS AND MAP ACCURACY, LEVEL 1. MAPPING PROVIDED FOR 40 SCALE ACCURACY.

TOPOGRAPHIC ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (N.A.V.D.) OF 1988.

WETLAND RESOURCE AREAS DELINEATED BY ECOTEC, INC. ON AUG 9 & 12, 2002, OCT 5, 2004 AND APRIL 4, 2005 AND FIELD LOCATED BY HERITAGE DESIGN GROUP.

BY DEFINITION PROVIDED IN STATE OF RHODE ISLAND DEM FRESHWATER WETLANDS (FWW) REGULATIONS, ALL STREAMS, INTERMITTENT STREAMS, AND RIVERS HAVE 100-YEAR FLOOD PLAIN. NO FLOOD ELEVATION OR FLOOD LIMIT WAS GIVEN WITHIN THIS SITE ON THE FLOOD (F.E.M.A.) MAP FOR BURRILLVILLE, RHODE ISLAND NUMBER 4400130010B WITH EFFECTIVE DATE 7/2/79.

SEE DRAINAGE ANALYSIS REPORT FOR EXISTING FLOOD PLAIN ANALYSIS AND PROPOSED MITIGATION.

DEED REFERENCES: DEED BOOK 257, PAGE 1046
 DEED BOOK 259, PAGE 464

PLAN REFERENCES: PLAN BOOK 22, PLAN 13
 PLAN BOOK 16, PLAN 35
 PLAN BOOK 8, PLAN 20
 PLAN BOOK 4, PLAN 60
 PLAN BOOK 2, PLAN 79

GENERAL NOTES:
 1. THIS SITE DOES NOT CONTAIN ANY AGRICULTURAL USE AREAS.
 2. THIS SITE DOES NOT CONTAIN ANY HISTORIC CEMETERIES WITHIN OR IMMEDIATELY ADJACENT TO THIS SITE.

"I CERTIFY THAT THE INFORMATION SHOWN HEREON HAS BEEN OBTAINED BY AN ACTUAL SURVEY ON THE GROUND, THAT IT IS CORRECT AND THIS SURVEY AND PLAN CONFORM TO A CLASS I STANDARD AS ADOPTED BY THE RHODE ISLAND BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS."

BY: HOLLAND E. SHAW PLS #1911
 NOTE: A-80 AND A-100 REFER TO THE TOWN OF BURRILLVILLE AQUIFER OVERLAY DISTRICT.

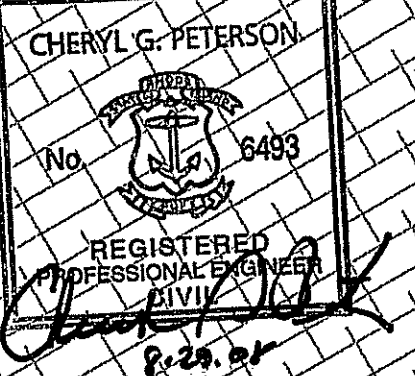
REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV
NO.	DATE	DESCRIPTION	BY

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

EXISTING CONDITIONS
 PLAN
 Prepared For
C & L INVESTMENTS

SCALE: 1" = 100' DATE: JULY 14, 2005

JOB NO: RIO2-103 DRAWING #: RI 02-103 03-DEFIN-EXIST.dwg
 DRAWN / CHECKED BY: WCN/EW SHEET: SHEET 3 OF 31



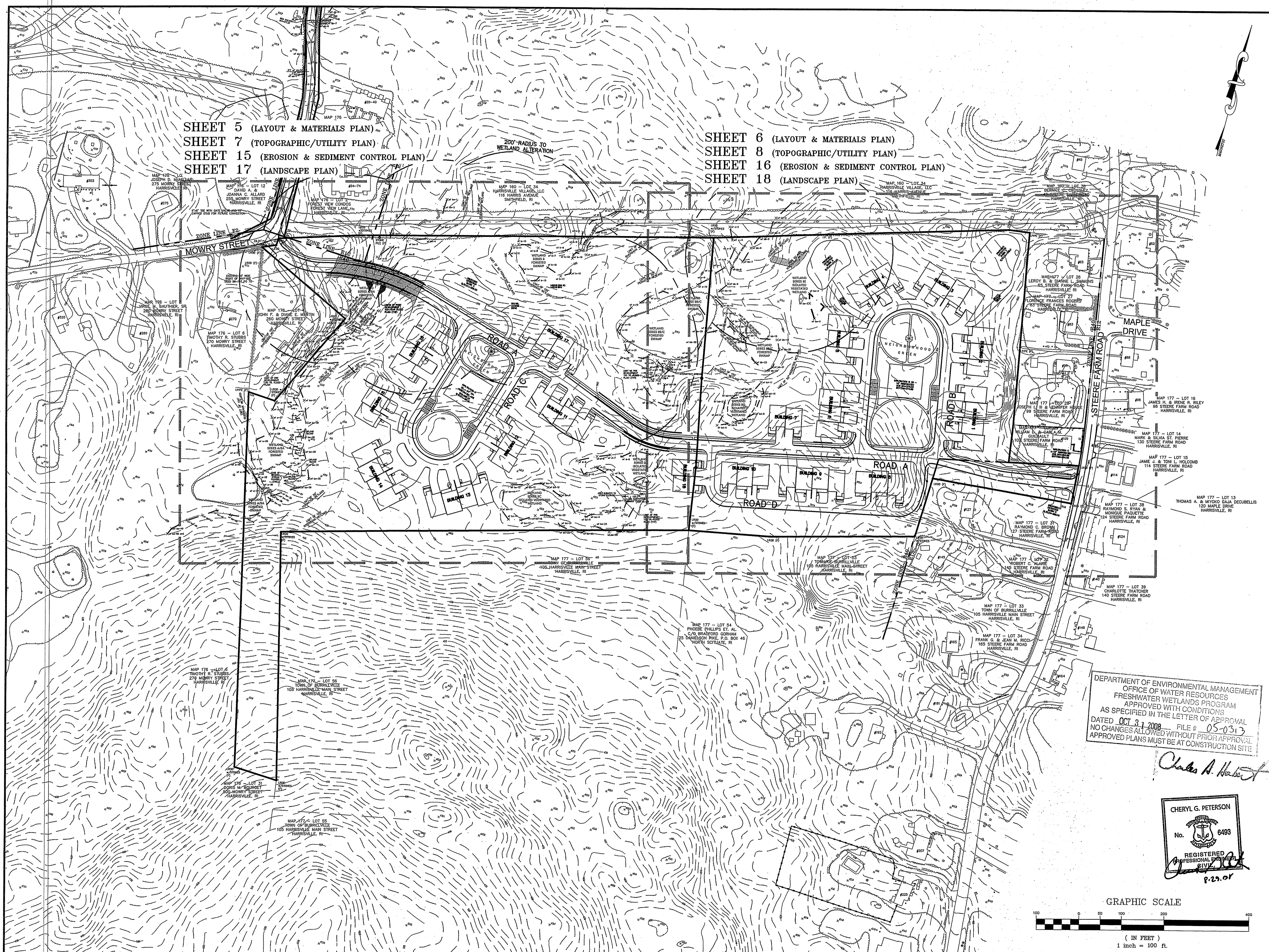
HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02886 WHITINSVILLE, MA 01566
 TEL 508-266-2066
 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

SHEET 5 (LAYOUT & MATERIALS PLAN)
SHEET 7 (TOPOGRAPHIC/UTILITY PLAN)
SHEET 15 (EROSION & SEDIMENT CONTROL PLAN)
SHEET 17 (LANDSCAPE PLAN)

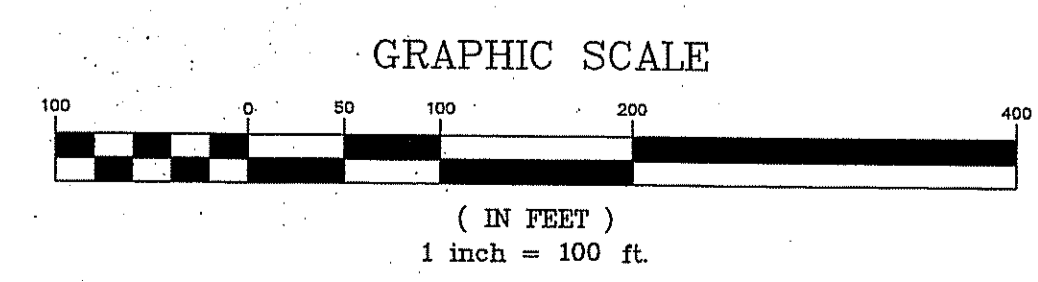
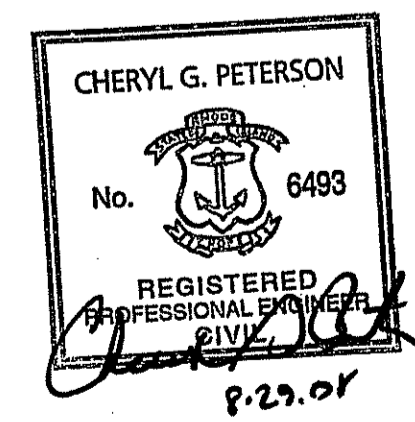
SHEET 6 (LAYOUT & MATERIALS PLAN)
SHEET 8 (TOPOGRAPHIC/UTILITY PLAN)
SHEET 16 (EROSION & SEDIMENT CONTROL PLAN)
SHEET 18 (LANDSCAPE PLAN)



REVISIONS			
NO.	DATE	DESCRIPTION	
14	8/29/08	PLANNING BOARD COMMENTS ESW	
13	3/06/08	DPW COMMENTS FJO	
12	1/02/08	PLANNING BOARD COMMENTS FJO	
11	3/12/07	DEM REVISIONS ESW	
10	01/09/07	DEM REVISIONS ESW	
9	10/11/06	DEM & PB REVISIONS ESW	
8	9/8/06	PLANNING BOARD REVISIONS WCN	
7	8/4/06	RIDOT COMMENT ESW	
6	5/26/06	RIDOT COMMENT WCN	
5	5/15/06	DEM COMMENTS WCN	
4	4/14/06	RIDOT COMMENTS WCN	
3	3/27/06	RIDOT COMMENTS WCN	
2	1/12/06	DEM COMMENTS WCN	
1	8/10/05	DEM COMMENTS MJV	
NO.	DATE	DESCRIPTION	BY

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herbert



PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

**OVERALL SITE PLAN
 & SHEET INDEX**
 Prepared For
C & L INVESTMENTS

SCALE: 1" = 100' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 04-DEFIN-INDEX.dwg
 DRAWN / CHECKED BY: WCN / EW SHEET: SHEET 4 OF 31

MAP 176 - LOT 12
DAVID A. & JOANNA
C. ALLARD

MAP 176 - LOT 13
JOSEPH D. MCMILLAN

MAP 176 - LOT 2
FOREST VIEW CONDOS

MAP 160 - LOT 34
HARRISVILLE VILLAGE, LLC

MAP 176 - LOT 4
JOHN F. & DIANE E. MARTIN

MAP 176 - LOT 6
TIMOTHY R. STUBBS

HERITAGE DESIGN GROUP, INC.
PLANNERS • SURVEYORS • ENGINEERS
6 COUNTRY WAY ONE MAIN STREET
N. SMITHFIELD, R. 02896 WATKINSVILLE, MA 02888
TEL 508-266-2066 FAX 508-266-2067

ASSESSORS INFORMATION:
ASSESSORS PLAN 176, LOTS 3 & 5
ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
C & L INVESTMENTS, LLC
28 RIDGE HILL ROAD
NORTH SMITHFIELD, RI 01896

MAP 176 - LOT 3 & 5
TOTAL AREA
= 17.2 ACRES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 10/2/08 FILE # 05-0313
NO CHANGES 8/15/2008 WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Horvath

NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
PRELIMINARY PLAN
MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

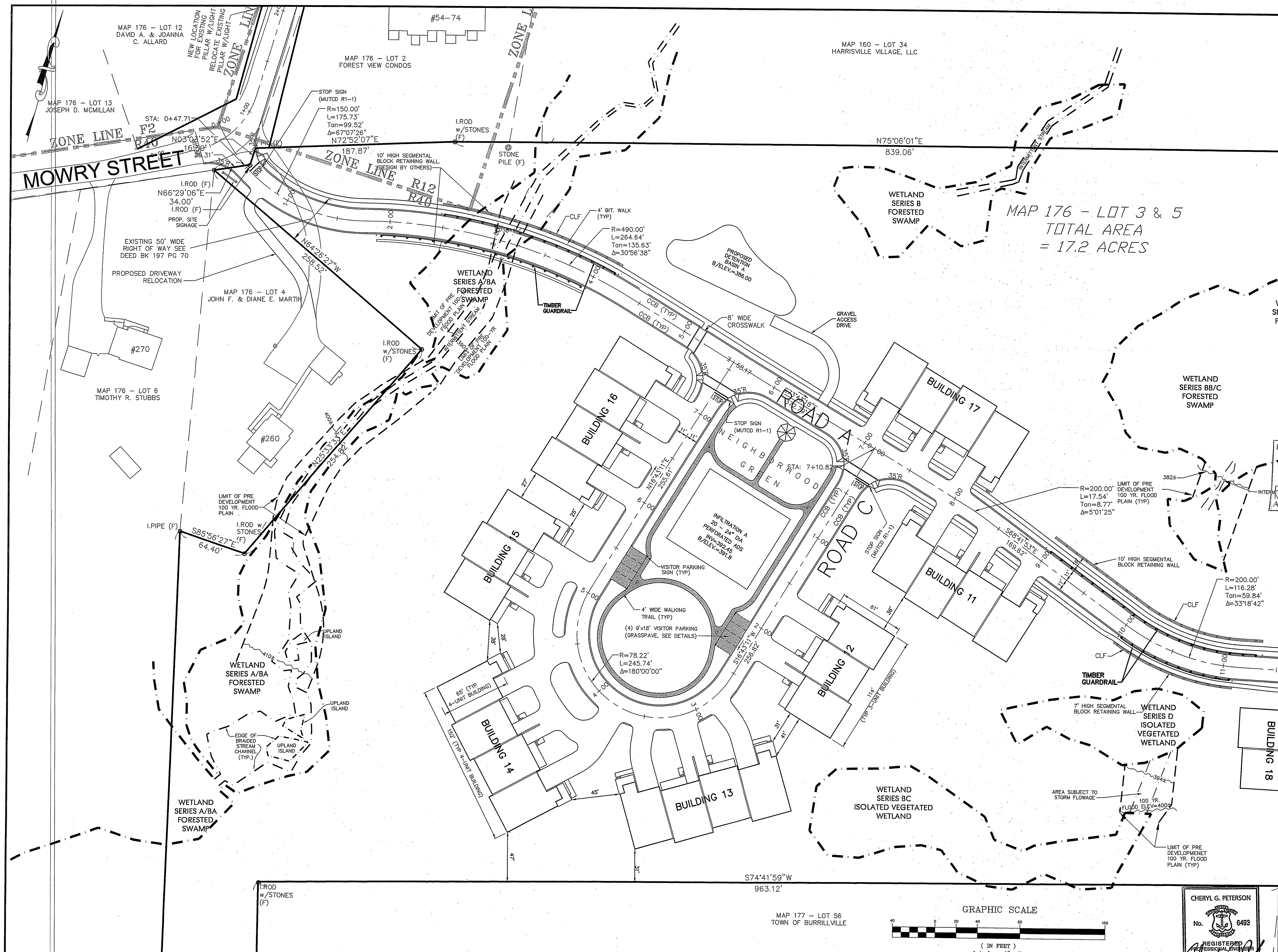
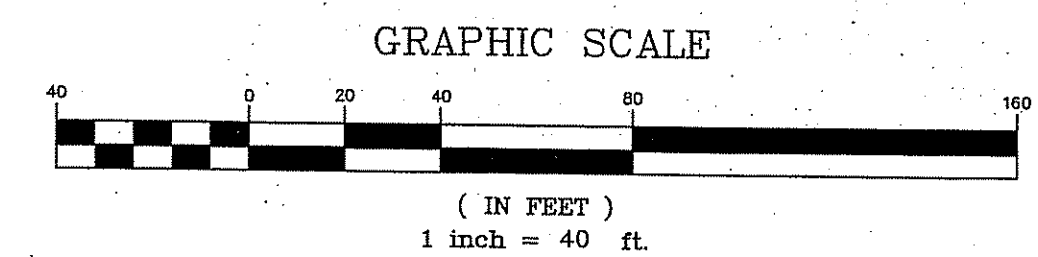
LAYOUT AND MATERIALS PLAN

Prepared For
C & L INVESTMENTS

SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 DEFIN-05-LM.dwg
DRAWN / CHECKED BY: WCN / EW SHEET: 5 OF 31

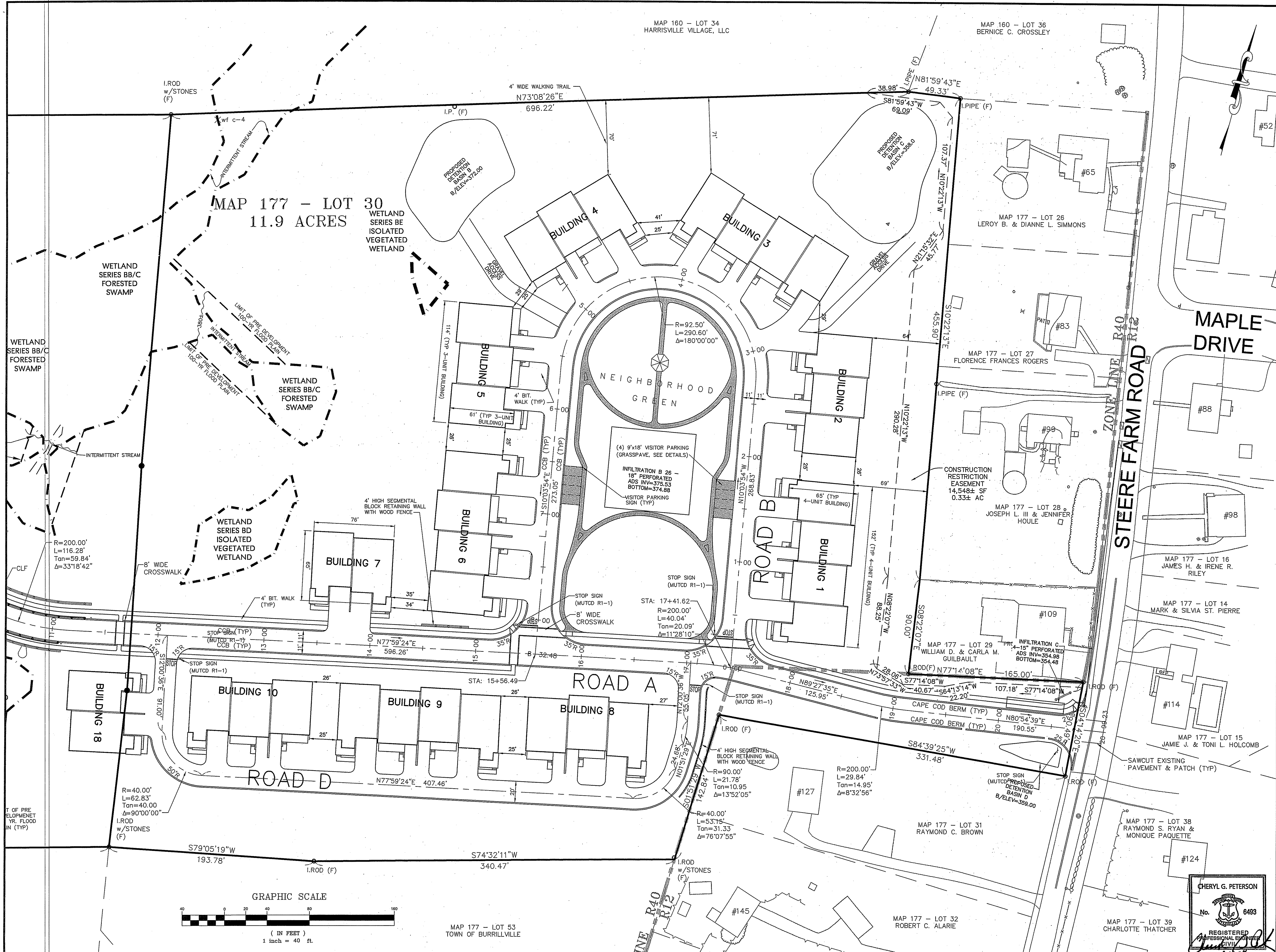
CHERYL G. PETERSON
No. 6493
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND



I. ROD
w/STONES
(F)

S74°41'59"W
963.12'

MAP 177 - LOT 56
TOWN OF BURRILLVILLE



MAP 160 - LOT 34
HARRISVILLE VILLAGE, LLC

MAP 160 - LOT 36
BERNICE C. CROSSLEY

MAP 177 - LOT 30
11.9 ACRES

WETLAND
SERIES BB/C
FORESTED
SWAMP

HERITAGE DESIGN GROUP, INC.
PLANNERS • SURVEYORS • ENGINEERS
6 COUNTRY WAY ONE MAIN STREET
N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01586
TEL: 508-268-2066 TEL: 508-268-2066
FAX: 508-268-2067

ASSESSORS INFORMATION:
ASSESSORS PLAN 176, LOTS 3 & 5
ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
C & L INVESTMENTS, LLC
28 RIDGE HILL ROAD
NORTH SMITHFIELD, RI 01898

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED 06/15/2008 FILE # 05-0313
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Harte

REVISIONS			
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
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2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV
NO.	DATE	DESCRIPTION	BY

PINE RIDGE
PRELIMINARY PLAN
MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

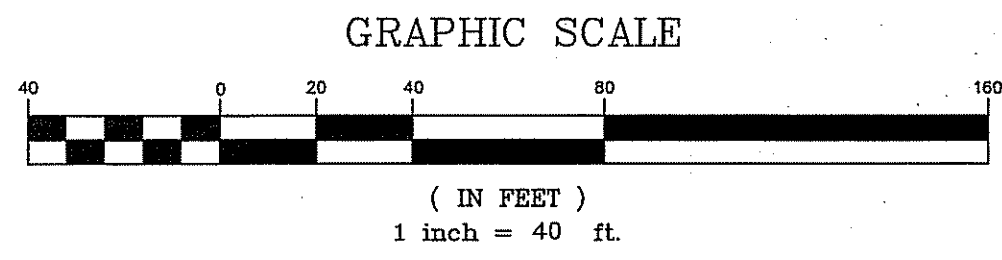
LAYOUT AND
MATERIALS PLAN

Prepared For
C & L INVESTMENTS

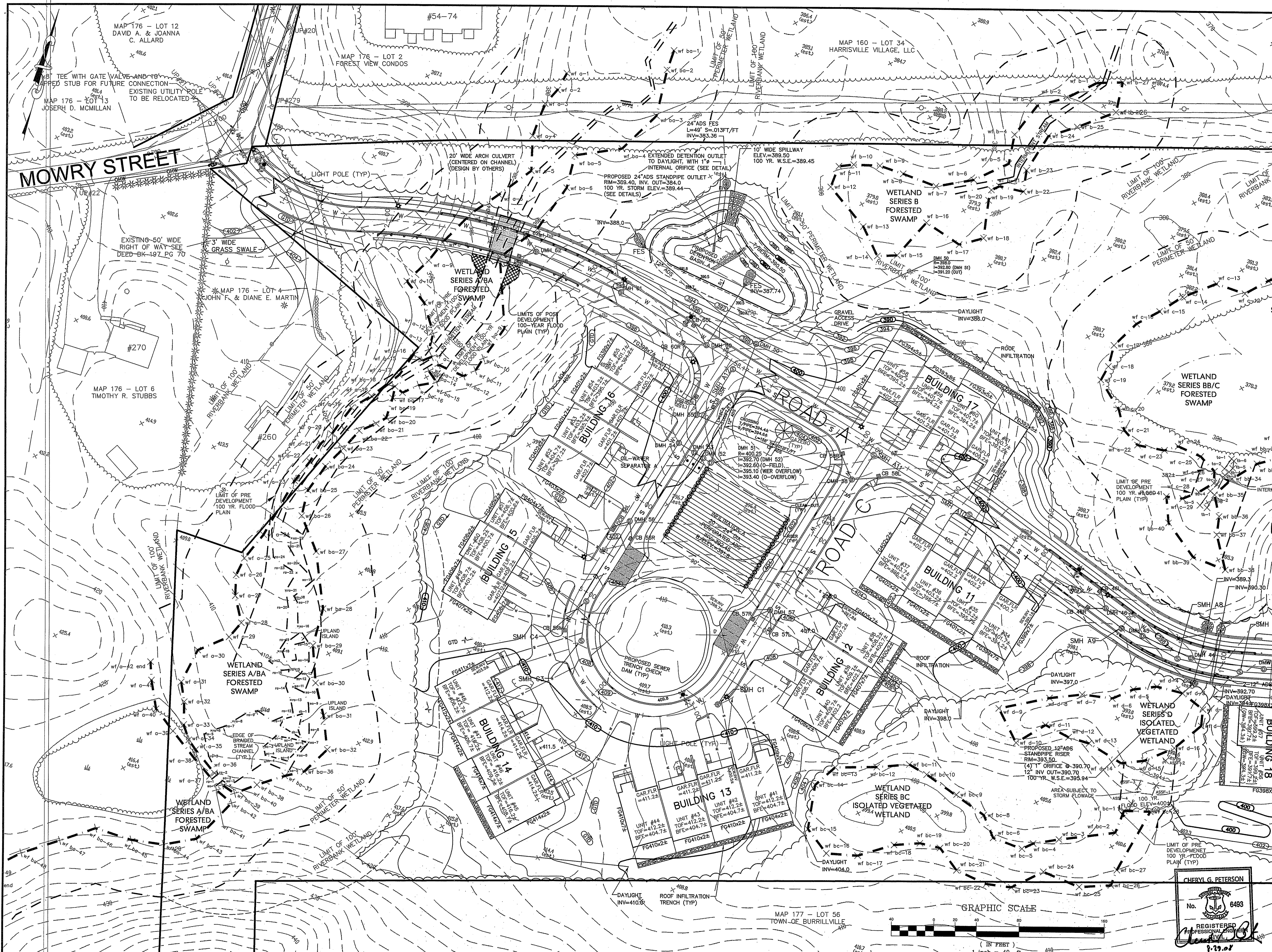
SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING # RI 02-103 DEFIN-05-LM.dwg
DRAWN / CHECKED BY: MJV/CGP SHEET: 6 OF 31

CHERYL G. PETERSON
No. 6493
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND



MAP 177 - LOT 53
TOWN OF BURRILLVILLE



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02886 WHITINSVILLE, MA 01566
 TEL 508-266-2066
 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01886

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Herbert

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

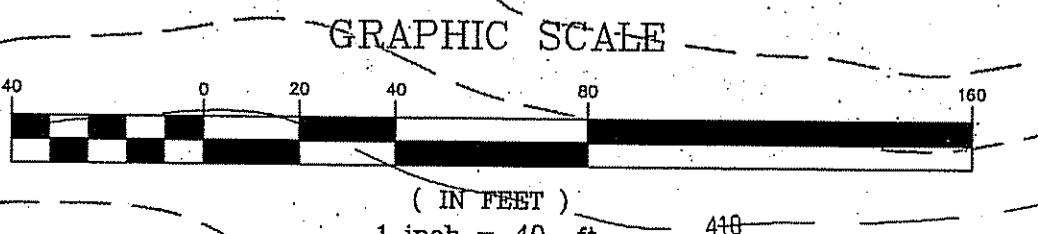
TOPOGRAPHIC AND UTILITIES PLAN
 SEP 8 2008

Prepared For
C & L INVESTMENTS

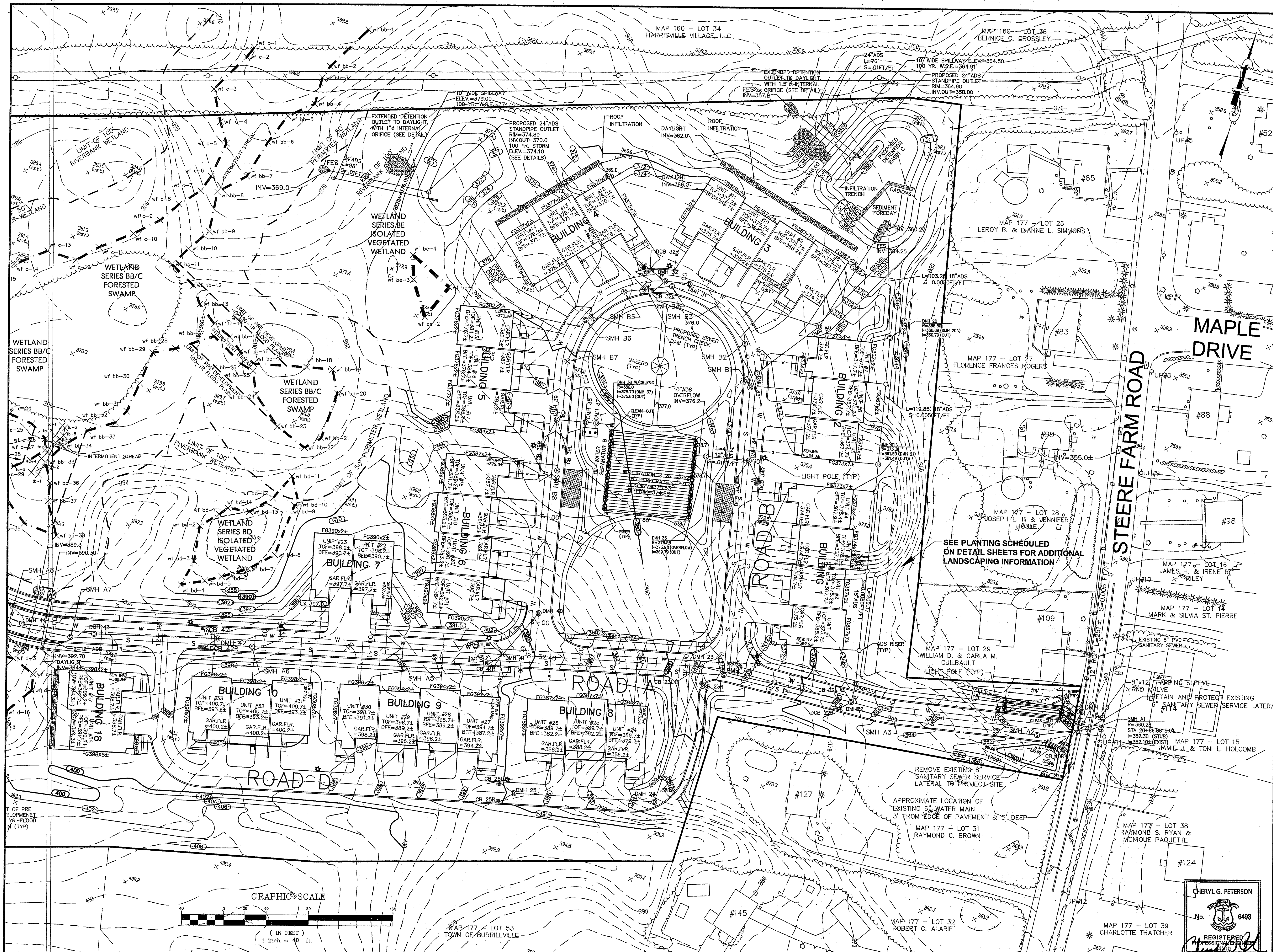
SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 07-DEFIN-TU.dwg
 DRAWN / CHECKED BY: MJV/GCP SHEET: 7 OF 31

CERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 JUL 14 2008



MAP 177 - LOT 56
 TOWN OF BURRILLVILLE



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02886 WATKINSVILLE, MA 01568
 TEL 508-266-2066
 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 FIELD DIVISION
 100 WATER STREET
 PROVIDENCE, RI 02903
 DATE: OCT 31 2008
 APPROVED PLANS BY: [Signature]
 05-0313

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
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PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

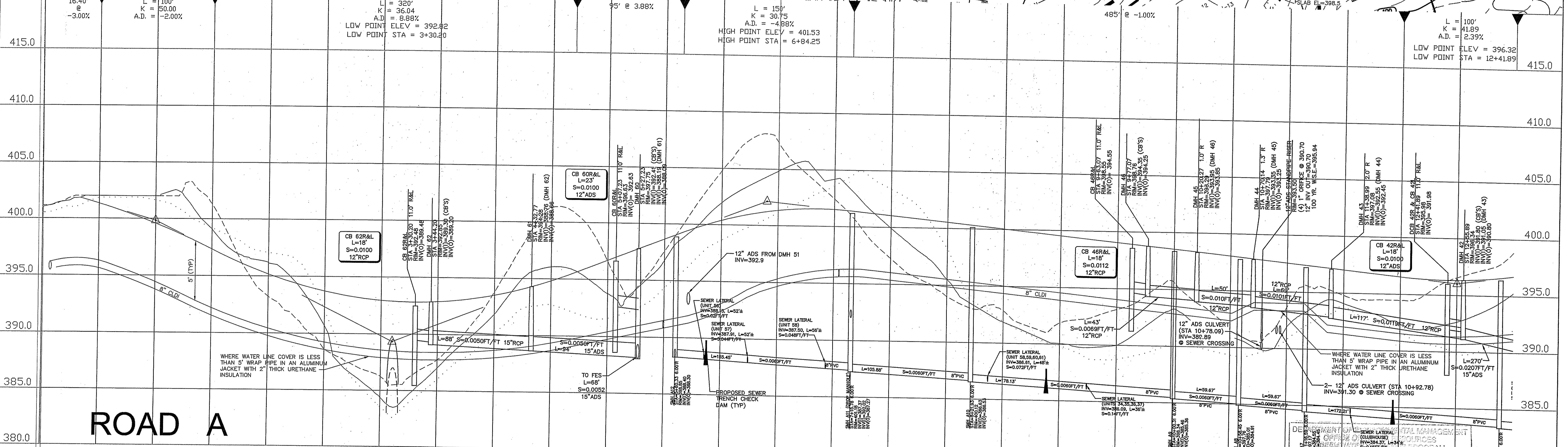
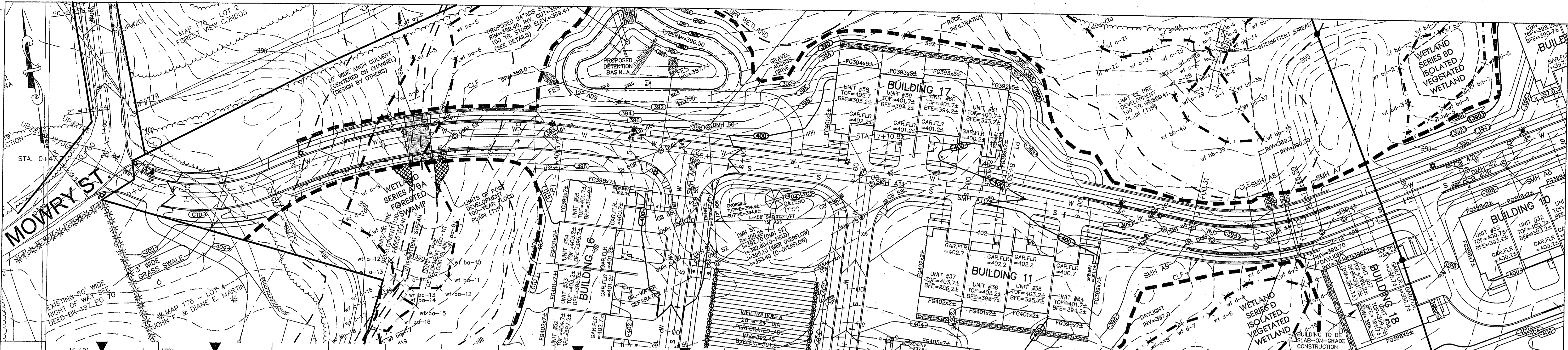
TOPOGRAPHIC AND UTILITIES PLAN

Prepared For
C & L INVESTMENTS

SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 07-DEFIN-TU.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 8 OF 31

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF RHODE ISLAND



0+00.00	400.8	401.82
0+50.00	401.33	402.0
1+00.00	400.52	399.58
1+50.00	397.33	399.1
2+00.00	396.16	395.17
2+50.00	393.72	394.36
3+00.00	392.25	392.83
3+50.00	392.88	392.70
4+00.00	393.50	394.07
4+50.00	394.81	396.4
5+00.00	396.70	398.64
5+50.00	398.64	400.38
6+00.00	400.38	400.96
6+50.00	401.34	401.52
7+00.00	401.49	401.38
7+50.00	401.03	399.9
8+00.00	400.53	398.5
8+50.00	400.03	397.0
9+00.00	399.53	395.5
9+50.00	399.03	394.0
10+00.00	398.53	392.5
10+50.00	398.03	391.0
11+00.00	397.53	389.5
11+50.00	397.03	388.0
12+00.00	396.53	386.5
12+50.00	396.03	385.0
13+00.00	395.53	383.5

LEGEND

CENTERLINE (EXISTING GRADE) ———— E ————

RIGHT SIDELINE (EXISTING GRADE) - - - - - R - - - - -

LEFT SIDELINE (EXISTING GRADE) L

CENTERLINE (PROPOSED GRADE) ———— P ————

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

REVISIONS

14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO

11	3/12/07	DEM REVISIONS	ESW
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.

PLANNERS • SURVEYORS • ENGINEERS

8 COUNTRY WAY ONE MAIN STREET
N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01588
TEL 508-266-2066
FAX 508-266-2067

CHERYL G. PETERSON

No. 6493

REGISTERED PROFESSIONAL ENGINEER

STATE OF RHODE ISLAND

JOB NO: RI02-103 DRAWING #: RI 02-103 09-DEFIN-PP.dwg
DRAWN / CHECKED BY: MJV/CGP SHEET: 9 OF 31

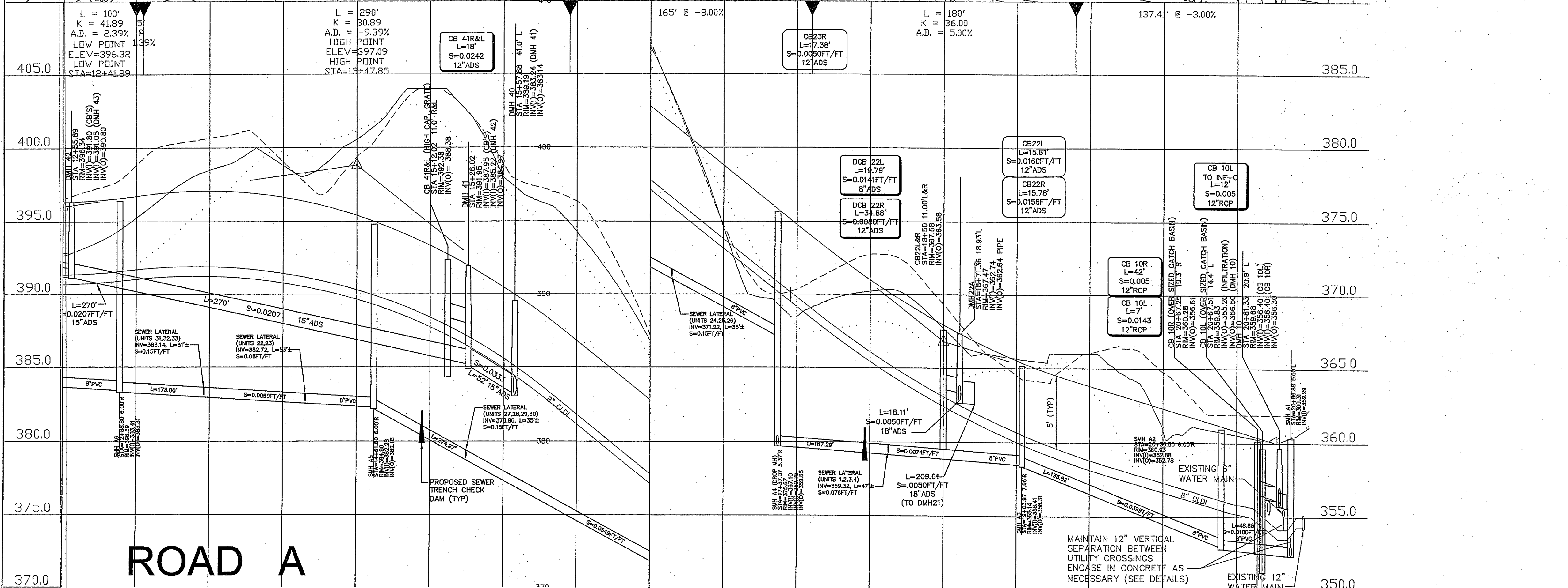
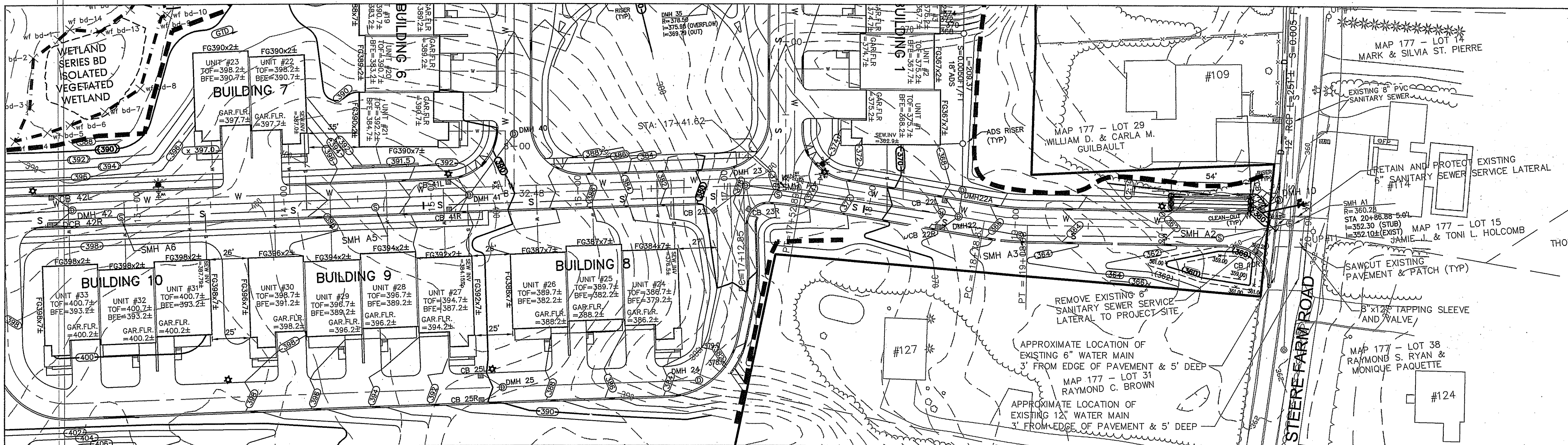
PLAN AND PROFILE SHEET

PINE RIDGE

PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

Prepared For
C & L INVESTMENTS

HOR. SCALE: 1" = 40', VERT. SCALE: 1" = 4'
DATE: JULY 14, 2005



12+50.00	396.33	13+00.00	396.72	14+00.00	396.65	15+00.00	393.34	16+00.00	382.80	17+00.00	378.80	18+00.00	371.02	19+00.00	365.52	20+00.00	362.30	21+00.00	359.98	22+00.00	357.23
13+05.00	395.2	13+50.00	397.09	14+00.00	398.8	15+00.00	398.01	16+00.00	388.74	17+00.00	374.00	18+00.00	369.99	19+00.00	364.58	20+00.00	360.80	21+00.00	359.98	22+00.00	357.23

LEGEND

CENTERLINE (EXISTING GRADE) ———— C ————

RIGHT SIDELINE (EXISTING GRADE) ———— R ————

LEFT SIDELINE (EXISTING GRADE) ———— L ————

CENTERLINE (PROPOSED GRADE) ————

GRAPHIC SCALE

(IN FEET)

1 inch = 40 ft.

REVISIONS

14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO

11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/28/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.

PLANNERS • SURVEYORS • ENGINEERS

8 COUNTRY WAY ONE MAIN STREET
N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01588

TEL 508-266-2066
FAX 508-266-2067

CHERYL G. PETERSON

No. 6493

REGISTERED PROFESSIONAL ENGINEER

RI 02-103 09-DEFIN-PP.dwg

10 OF 31

PLAN AND PROFILE SHEET

PINE RIDGE

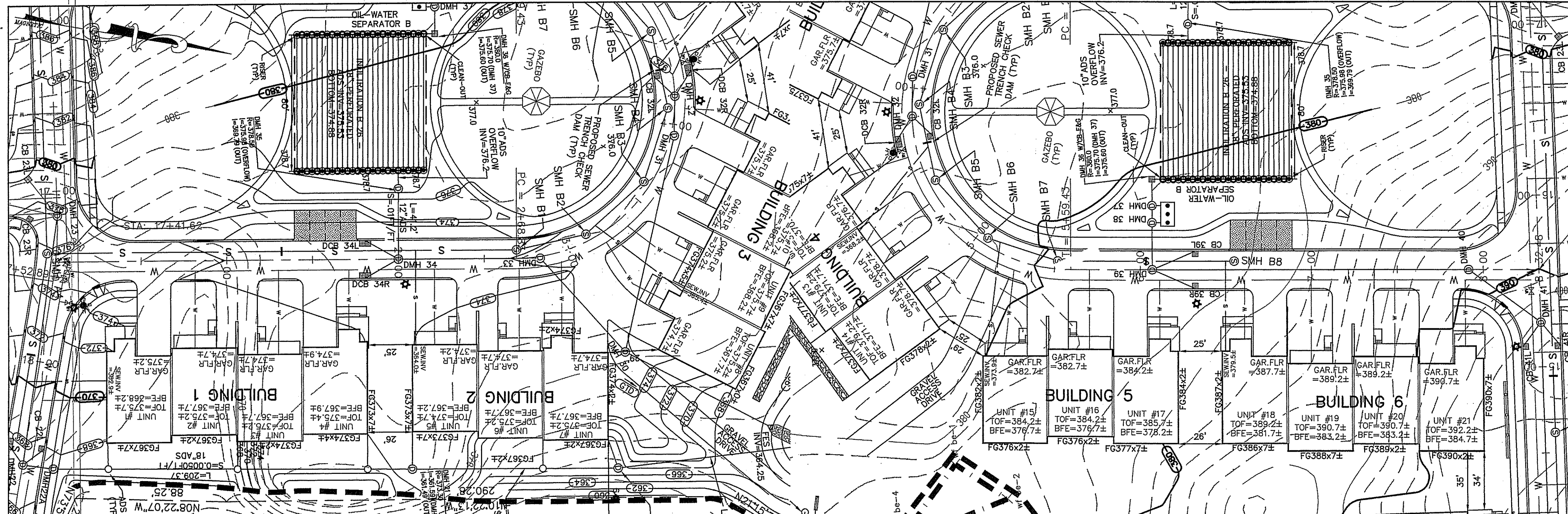
PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURLINGHAM, RHODE ISLAND

Prepared For
C & L INVESTMENTS

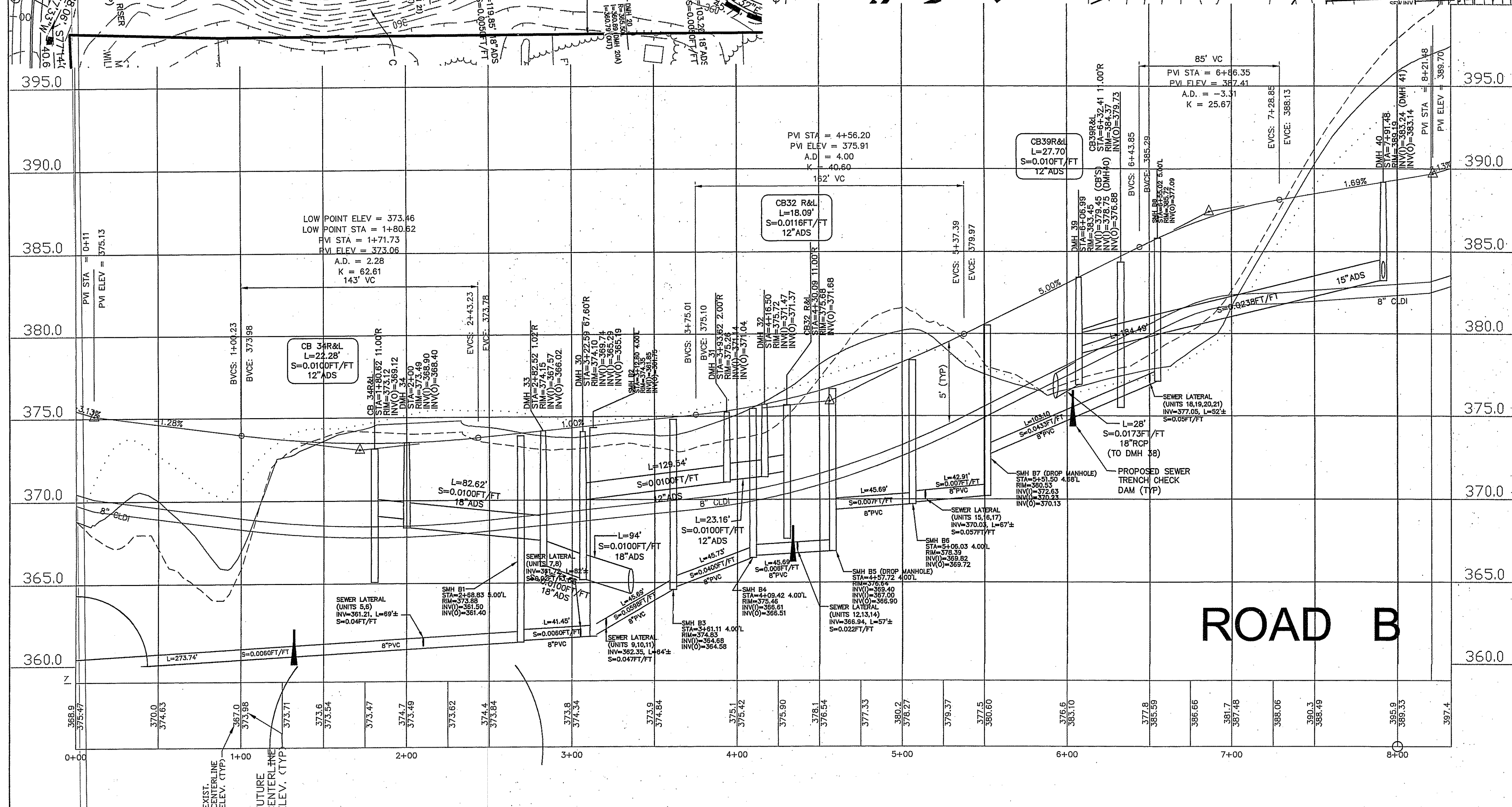
HOR. SCALE: 1" = 40', VERT. SCALE: 1" = 4' DATE: JULY 14, 2005

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 31 2008 FILE # 05-0303
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

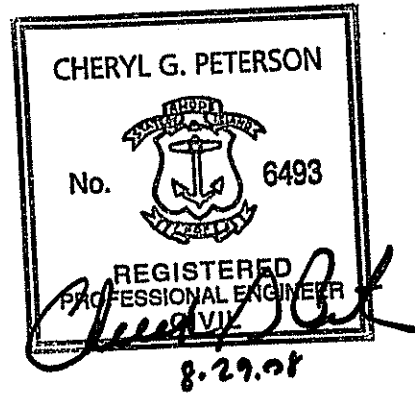
Charles A. Hester



STA: 15+56.49



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WELLS AND CO PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED BY THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES TO THE PLAN SHALL BE MADE WITHOUT THE APPROVAL OF THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
Charles A. H...



LEGEND

CENTERLINE (EXISTING GRADE) ——— C ———
 RIGHT SIDELINE (EXISTING GRADE) ——— R ———
 LEFT SIDELINE (EXISTING GRADE) ——— L ———
 CENTERLINE (PROPOSED GRADE) ——— C ———

GRAPHIC SCALE

(IN FEET)
 1 inch = 40 ft.

REVISIONS		
14	8/29/08	PLANNING BOARD COMMENTS ESW
13	3/06/08	DPW COMMENTS FJO
12	1/02/08	PLANNING BOARD COMMENTS FJO

11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.

PLANNERS • SURVEYORS • ENGINEERS

8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01588
 TEL 508-266-2066
 FAX 508-266-2067

JOB NO:	RI02-103	DRAWING #:	RI 02-103 09-DEFIN-PP.dwg
DRAWN / CHECKED BY:	MJV/CGP	SHEET:	11 OF 31

PLAN AND PROFILE SHEET

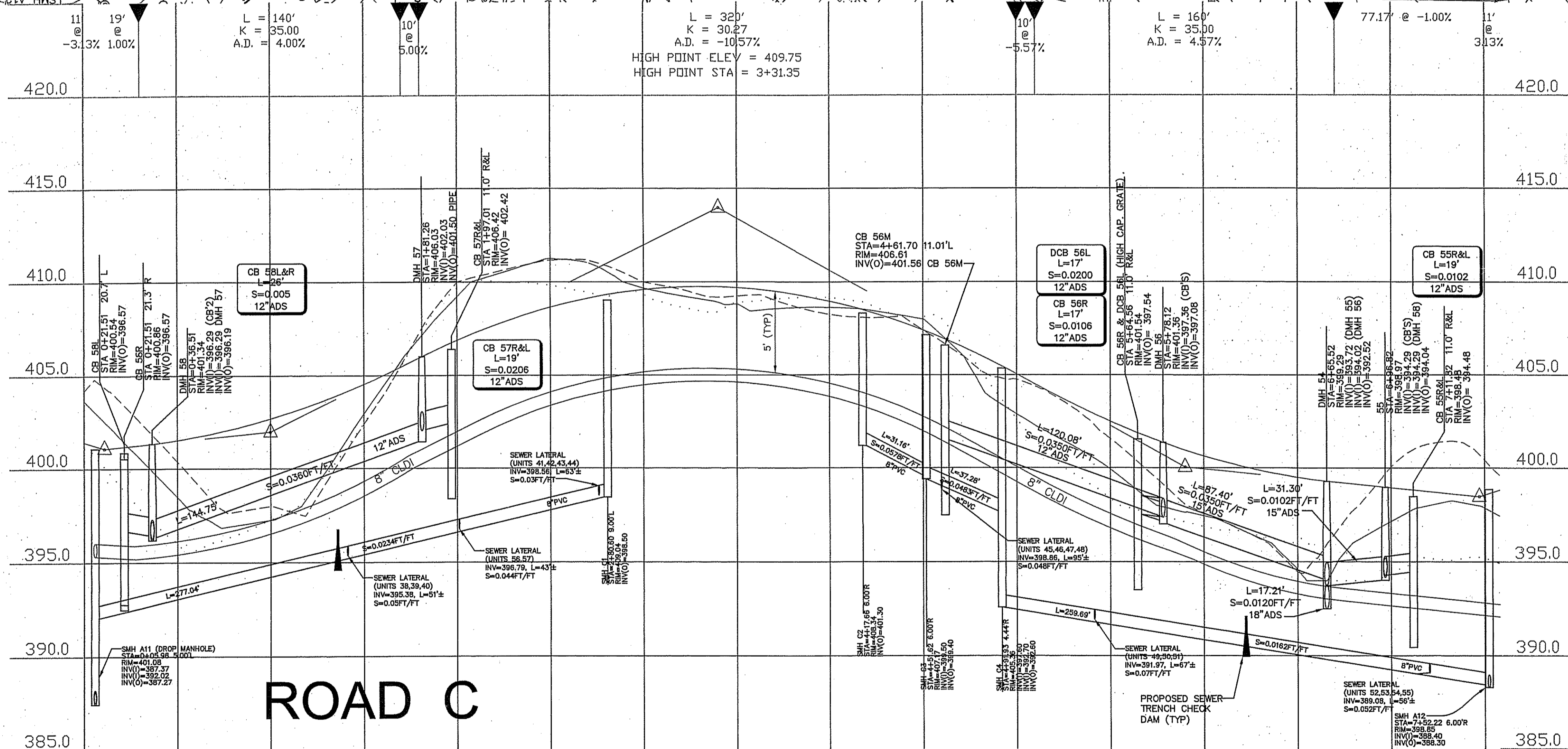
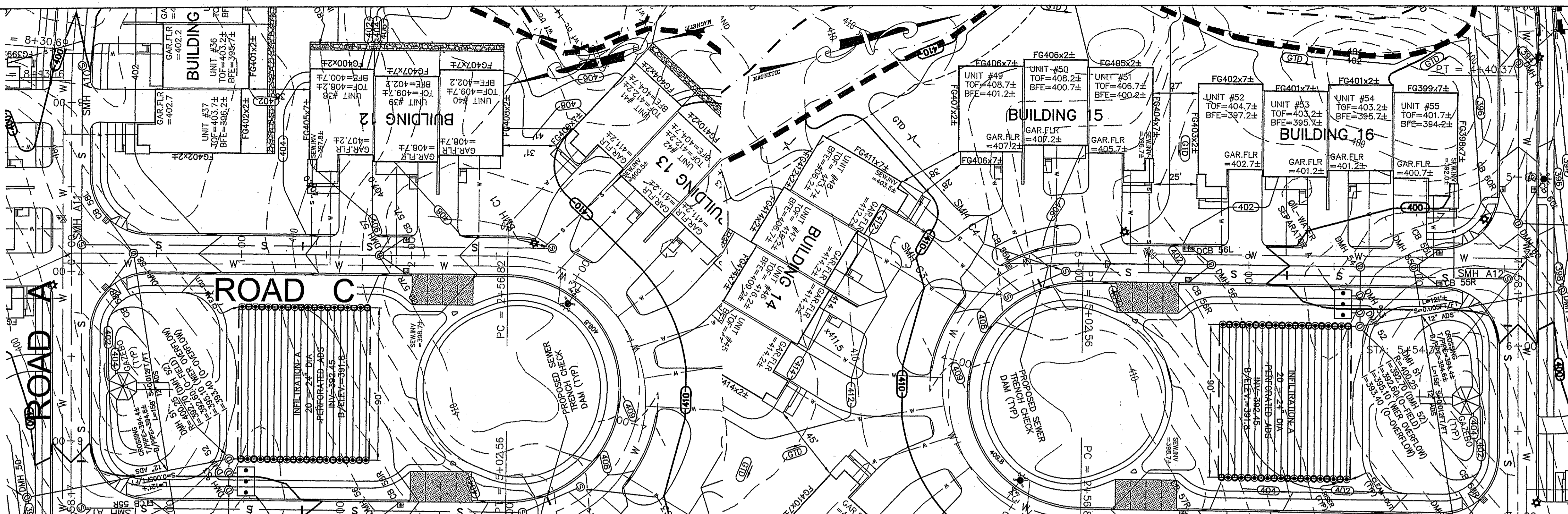
PINE RIDGE

PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

Prepared For
C & I INVESTMENTS

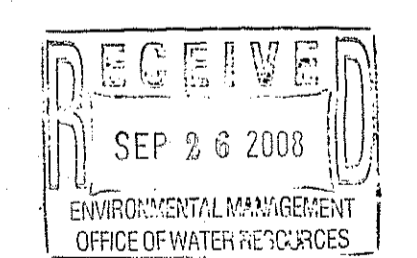
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STA: 7+10.82

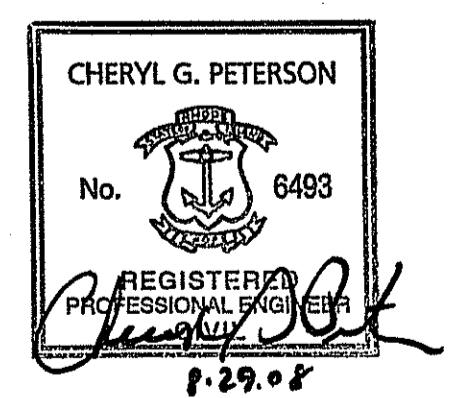


OCT 31 2008

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED 08/29/2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SET



Charles A. Hester



LEGEND

CENTERLINE (EXISTING GRADE) ———— C ————
 RIGHT SIDELINE (EXISTING GRADE) ———— R ————
 LEFT SIDELINE (EXISTING GRADE) ———— L ————
 CENTERLINE (PROPOSED GRADE) ———— P ————

GRAPHIC SCALE

(IN FEET)
 1 inch = 40 ft.

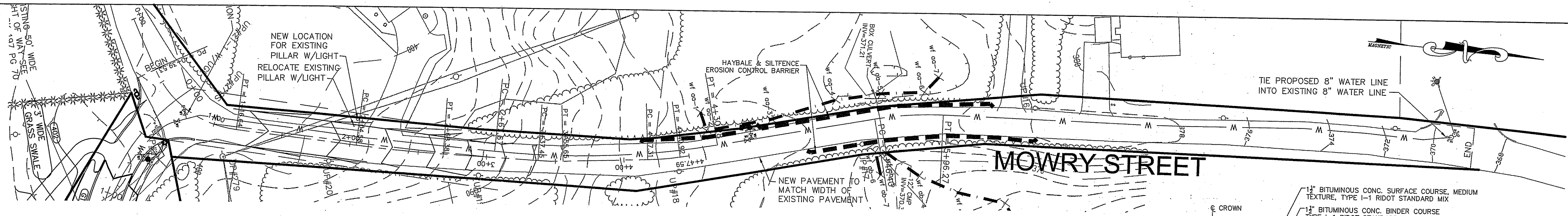
REVISIONS		
14	8/29/08	PLANNING BOARD COMMENTS ESW
13	3/06/08	DPW COMMENTS FJO
12	1/02/08	PLANNING BOARD COMMENTS FJO

11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01588
 TEL 508-266-2066
 FAX 508-266-2067

JOB NO: RI02-103
 DRAWING #: RI 02-103 09-DEFIN-PP.dwg
 DRAWN / CHECKED BY: MJV/CGP
 SHEET: 12 OF 31

PLAN AND PROFILE SHEET
PINE RIDGE
 PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND
 Prepared For
C & L INVESTMENTS
 HOR. SCALE: 1" = 40', VERT. SCALE: 1" = 4' DATE: JULY 14, 2005

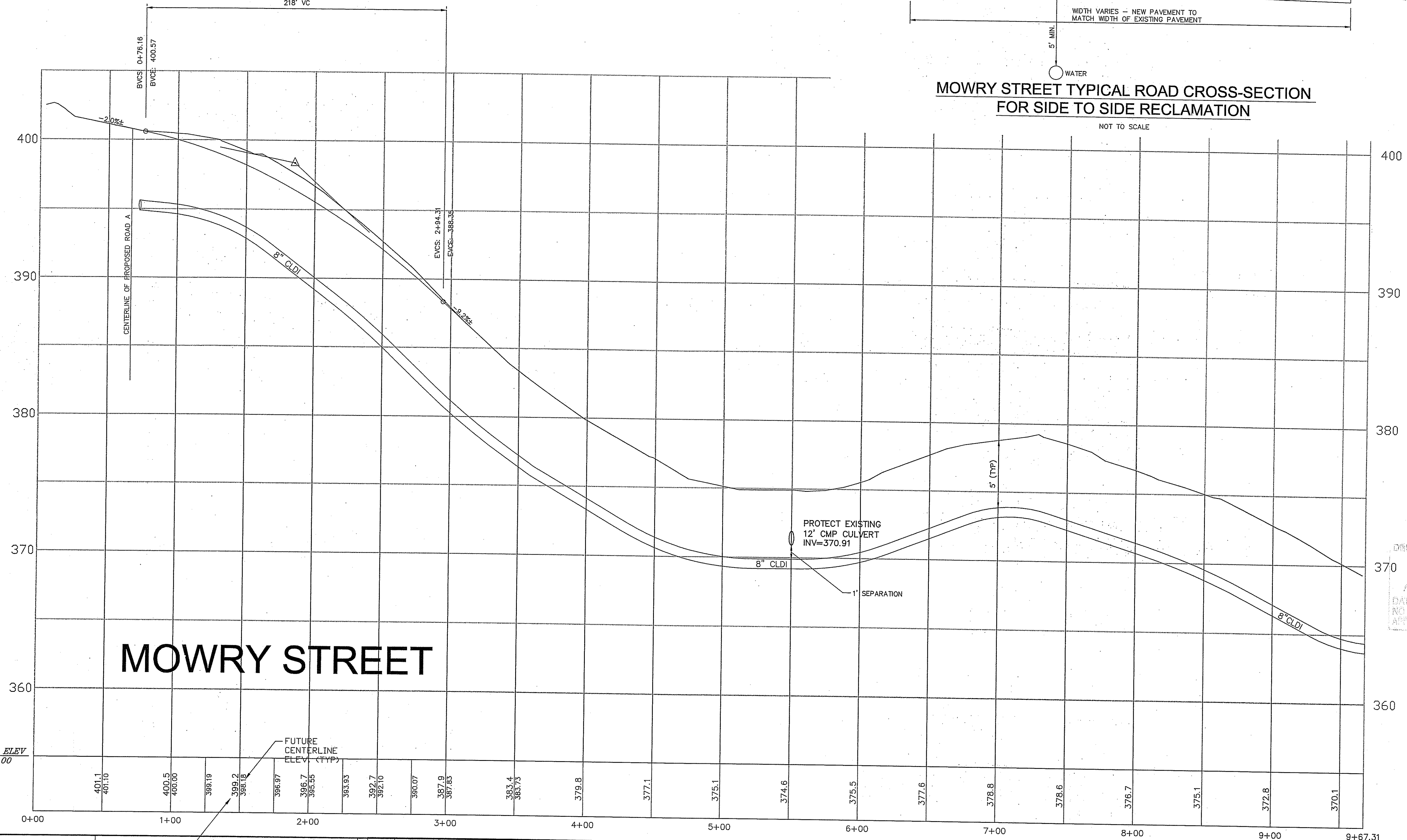


PVI STA = 1+85.23
 PVI ELEV = 398.37
 A.D. = -7.16
 K = 30.48
 218' VC

MOWRY STREET

MOWRY STREET TYPICAL ROAD CROSS-SECTION FOR SIDE TO SIDE RECLAMATION
 NOT TO SCALE

- NOTES
1. AN APPLICATION FOR A "ROAD EXCAVATION" PERMIT WITH THE BURRILLVILLE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR THE WATER LINE INSTALLATION ON MOWRY STREET.
 2. EXISTING ASPHALT TO BE MILLED AND LEFT IN PLACE.
 3. REGROUND ASPHALT TO BE GRADED AND COMPACTED.
 4. BINDER COAT OF ASPHALT TO BE APPLIED.
 5. TOP COAT OF ASPHALT TO BE APPLIED.
 6. ALL MATERIALS AND WORK TO BE DONE IN CONFORMANCE WITH RULES AND REGULATIONS OF THE BURRILLVILLE DEPARTMENT OF PUBLIC WORKS.



MOWRY STREET

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 PREPARED WITH FIELD SURVEY
 APPROVED FOR THE DEPARTMENT
 DATE: OCT 31 2008
 NO CHANGES ALLOWED WITHOUT APPROVAL
 APPROVED PLANNING ENGINEER: Charles A. Holter

LEGEND

- CENTERLINE (EXISTING GRADE) ———— C ————
- RIGHT SIDELINE (EXISTING GRADE) ———— R ————
- LEFT SIDELINE (EXISTING GRADE) ———— L ————
- CENTERLINE (PROPOSED GRADE) ———— C ————

GRAPHIC SCALE

(IN FEET)
 1 inch = 40 ft.

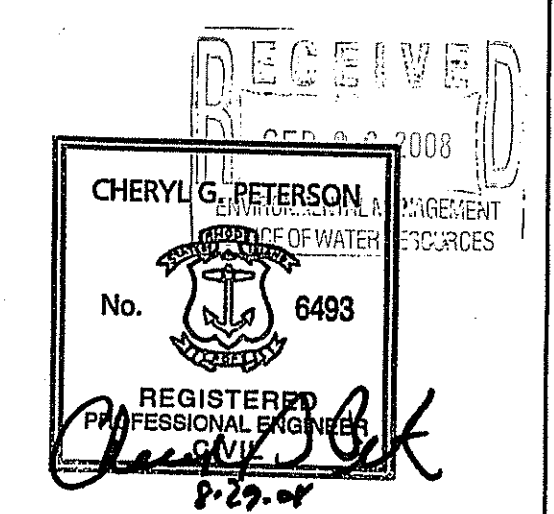
REVISIONS			
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO

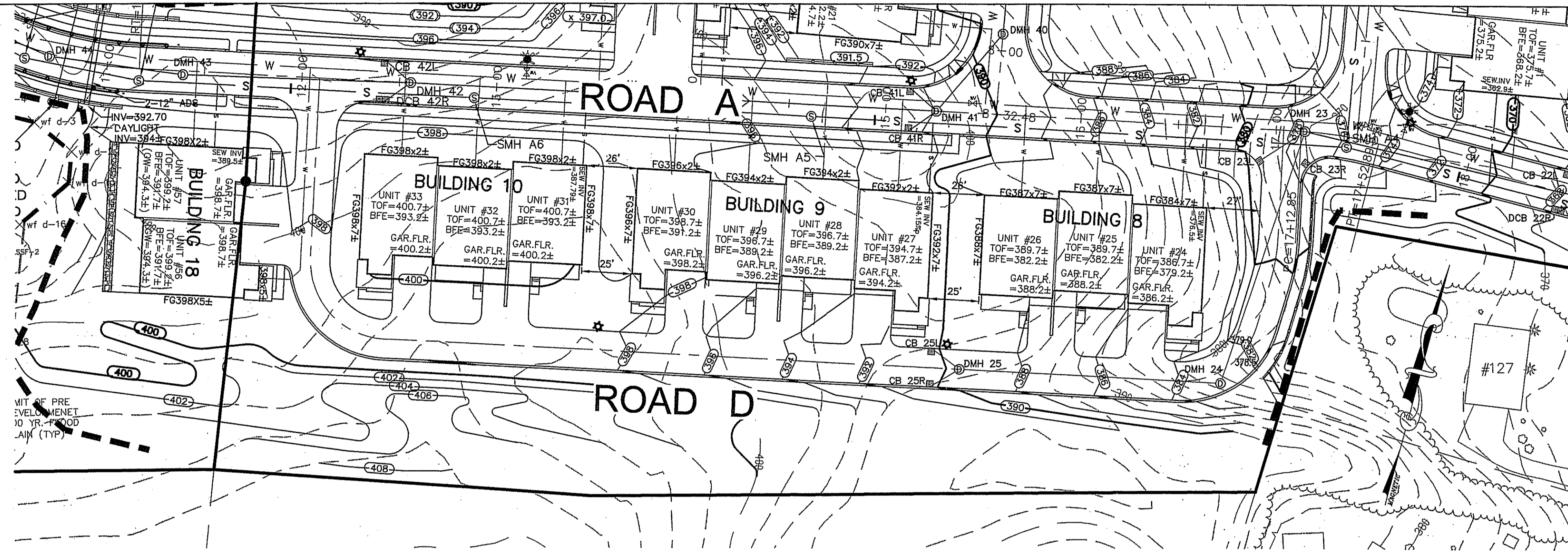
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 01588
 TEL 508-266-2066
 FAX 508-266-2067

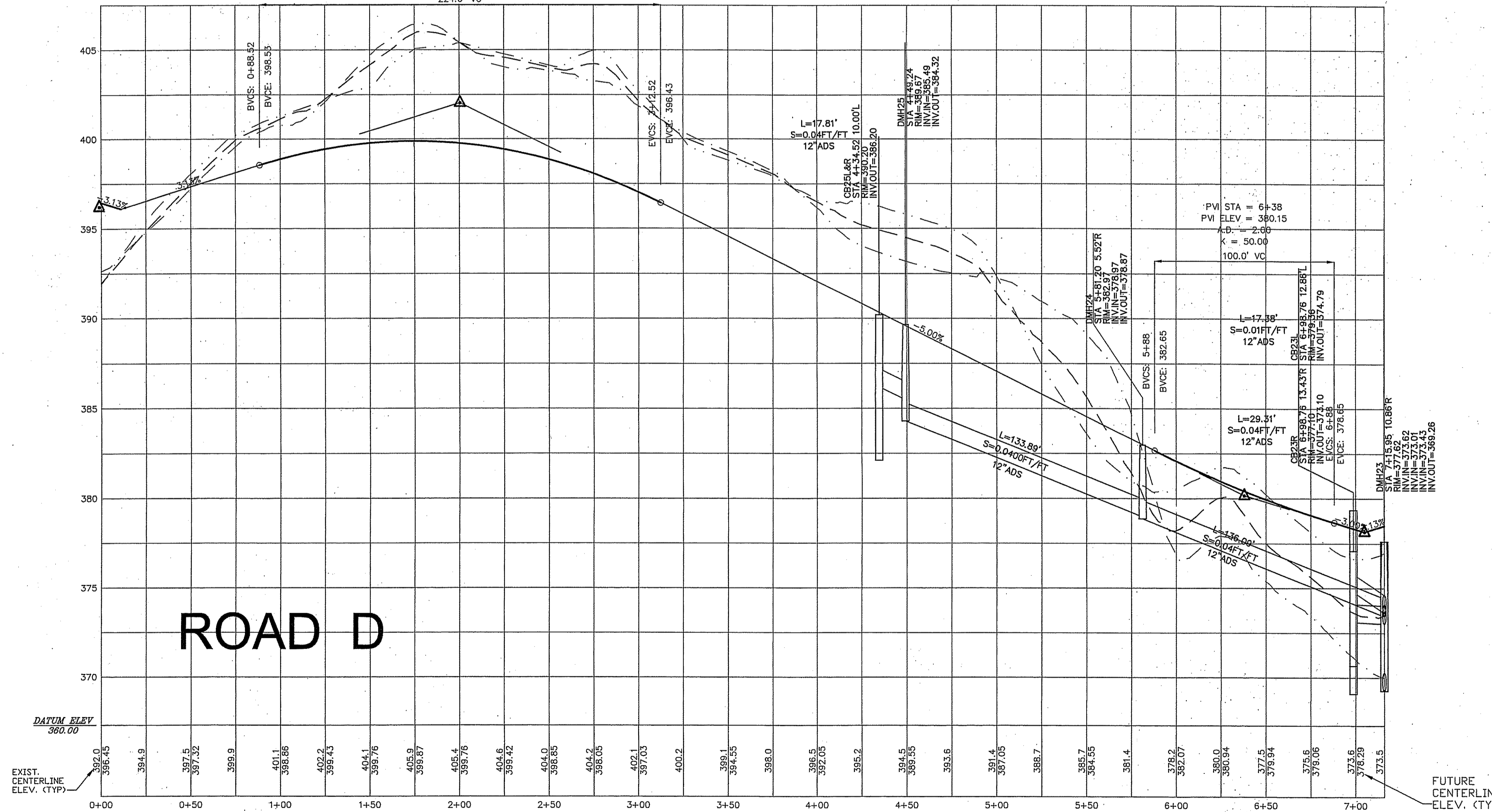
JOB NO:	RI02-103	DRAWING #:	RI 02-103 09-DEFIN-PP.dwg
DRAWN / CHECKED BY:	MJV/CGP	SHEET:	13 OF 31

PLAN AND PROFILE SHEET
PINE RIDGE
 PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND
 Prepared For
C & L INVESTMENTS
 HOR. SCALE: 1" = 40', VERT. SCALE: 1" = 4' DATE: JULY 14, 2005



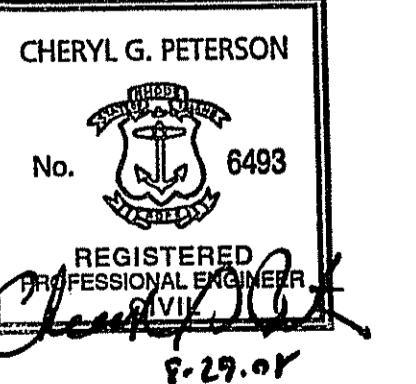
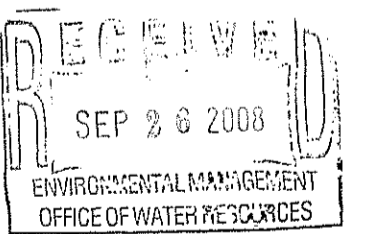


HIGH POINT ELEV = 399.87
 HIGH POINT STA = 1+74.68
 PVI STA = 2+00.92
 PVI ELEV = 402.03
 A.D. = -8.12
 K = 27.57
 224.0' VC



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Harte



LEGEND

CENTERLINE (EXISTING GRADE) ———— C ————

RIGHT SIDELINE (EXISTING GRADE) - - - - - R - - - - -

LEFT SIDELINE (EXISTING GRADE) L

CENTERLINE (PROPOSED GRADE) ———— C ————

GRAPHIC SCALE

(IN FEET)

1 inch = 40 ft.

REVISIONS			
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO

11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
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5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

HERITAGE DESIGN GROUP, INC.

PLANNERS • SURVEYORS • ENGINEERS

8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINGVILLE, MA 01588
 TEL 508-266-2066
 FAX 508-266-2067

JOB NO:	RI02-103	DRAWING #:	RI 02-103 09-DEFIN-PP.dwg
DRAWN / CHECKED BY:	MJV/CGP	SHEET:	14 OF 31

PLAN AND PROFILE SHEET

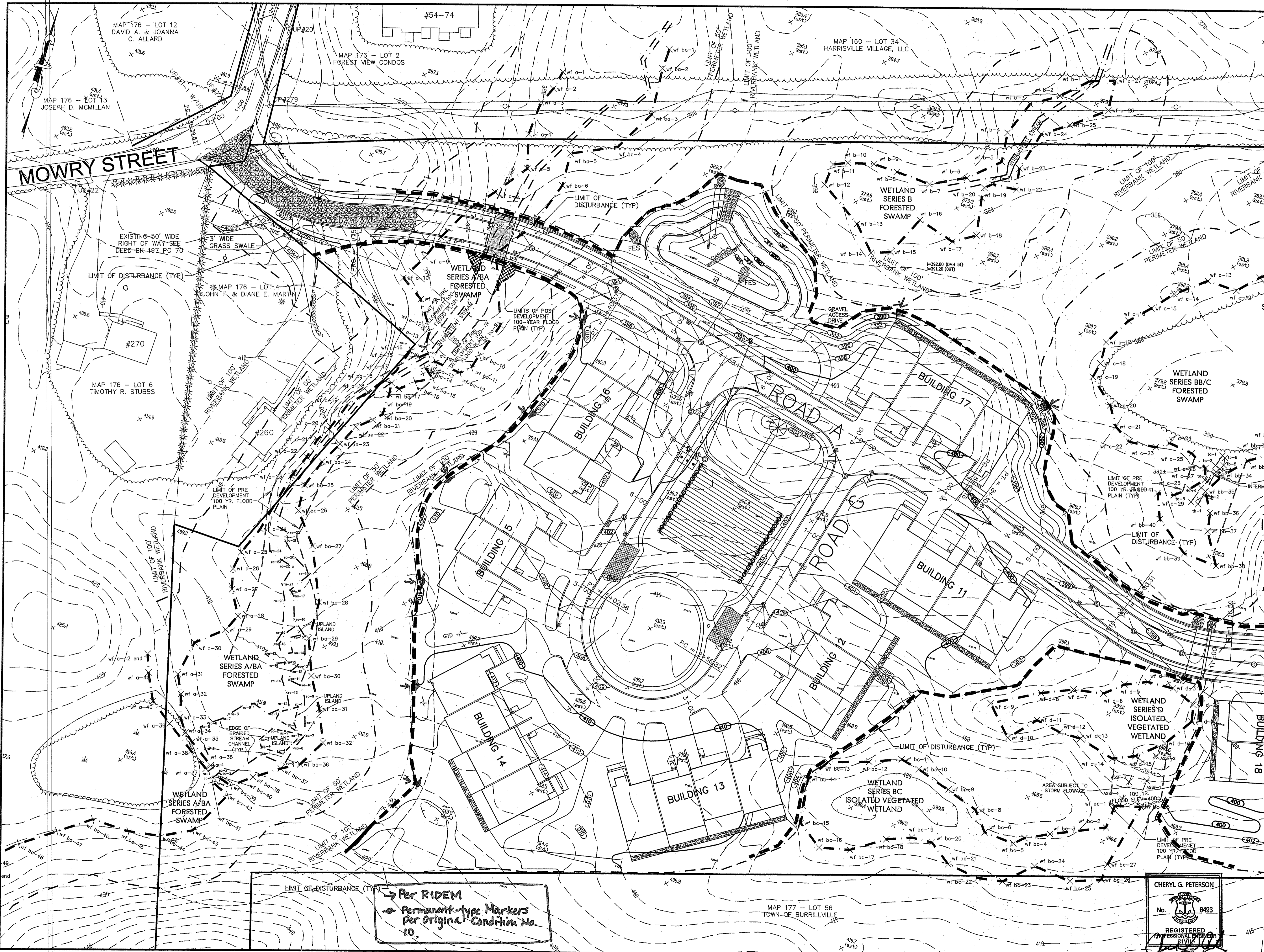
PINE RIDGE

PRELIMINARY PLAN - MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

Prepared For

C & L INVESTMENTS

HOR. SCALE: 1" = 40', VERT. SCALE: 1" = 4' DATE: JULY 14, 2005



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02886 WHITINSVILLE, MA 01568
 TEL 508-266-2066 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01895

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WATER QUALITY DIVISION
 APPROVED WETLAND DISTURBANCE PLAN
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATE: OCT 31 2008 TIME: 05:03:13
 NO. OF SHEETS: 15 OF 15
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hubert

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

EROSION AND SEDIMENT CONTROL PLAN

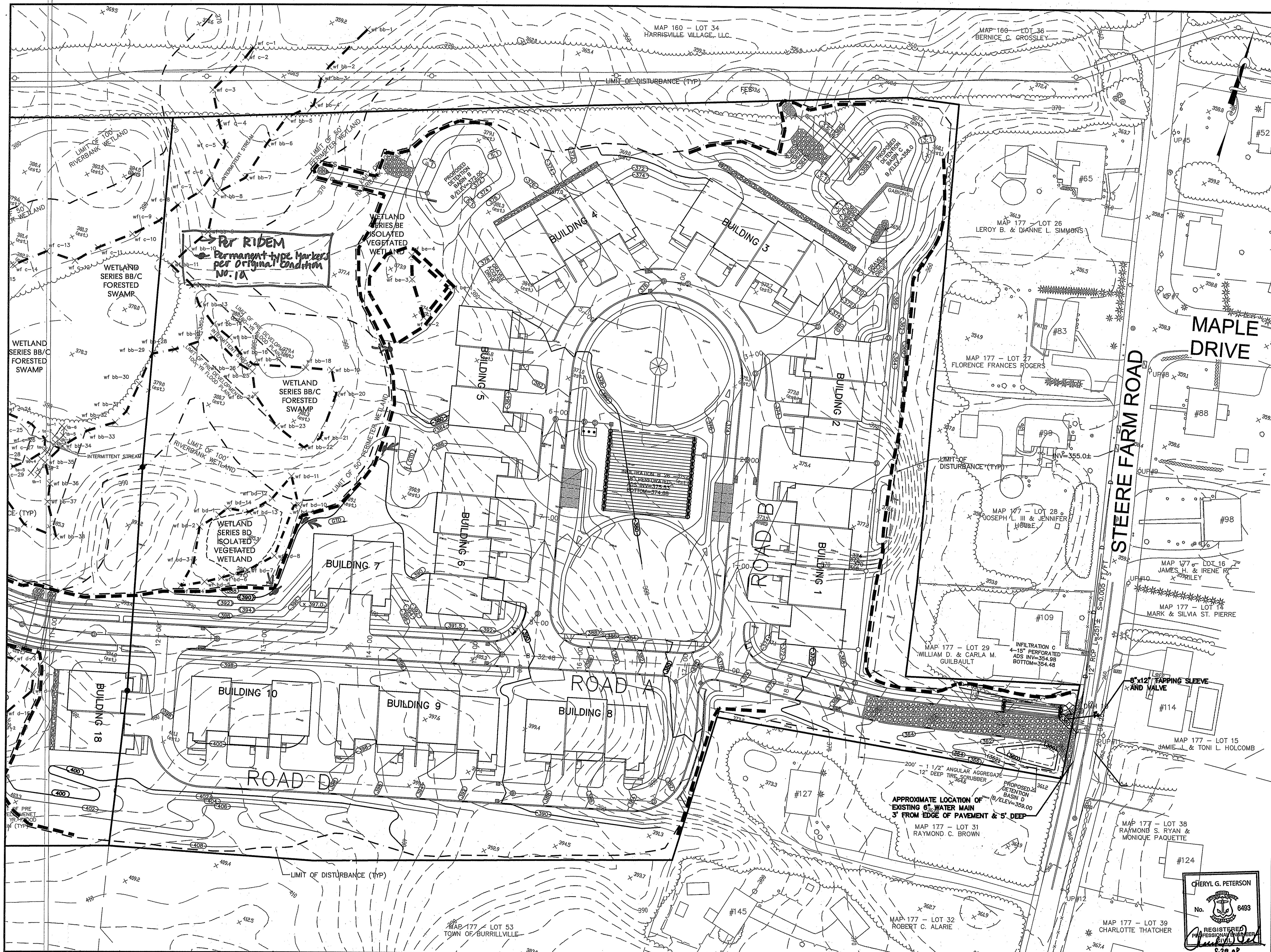
Prepared For
C & L INVESTMENTS

SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 15-DEFIN-ER.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 15 OF 31

→ Per RIDEM
 Permanent-type Markers
 Per Original Condition No.
 10

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF RHODE ISLAND



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, PA 01566
 TEL 508-266-2066 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED **OCT 31 2008** FILE # **05-0313**
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hunt

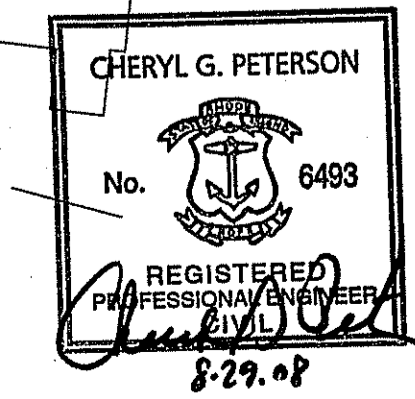
REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
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5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

EROSION AND SEDIMENT CONTROL PLAN
 Prepared For
C & L INVESTMENTS

SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 15-DEFIN-ER.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 16 OF 31



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 6 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, VA 01586
 TEL 508-266-2026 TEL 508-266-2026
 FAX 508-266-2027

Giovanni Design Assoc., Inc.
 Steven J. Pilz, ASLA
 35 Anthony Drive
 Cranston, RI 02921
 15 JAN '07

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

- LEGEND:**
- STREET TREE @ 50' O.C. MAX.
3" MIN. CALIPER
80" HEIGHT TO BRANCHING REQ'D.
 - ORNAMENTAL TREE
 - EVERGREEN TREE @ 20' O.C. MAX.
 - LARGE EVERGREEN SHRUB
 - SMALL EVERGREEN SHRUB
 - SMALL FLOWERING SHRUB
 - EVERGREEN BUFFER TREE
 - L&S LOAM & SEED
 - PROPOSED LIMIT OF CLEARING
 - EXISTING TREE LINE

PROPOSED MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH PROPOSED SIGN
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATE: OCT 31 2008 PROJECT NO: 05-033
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 Charles A. [Signature]

REVISIONS

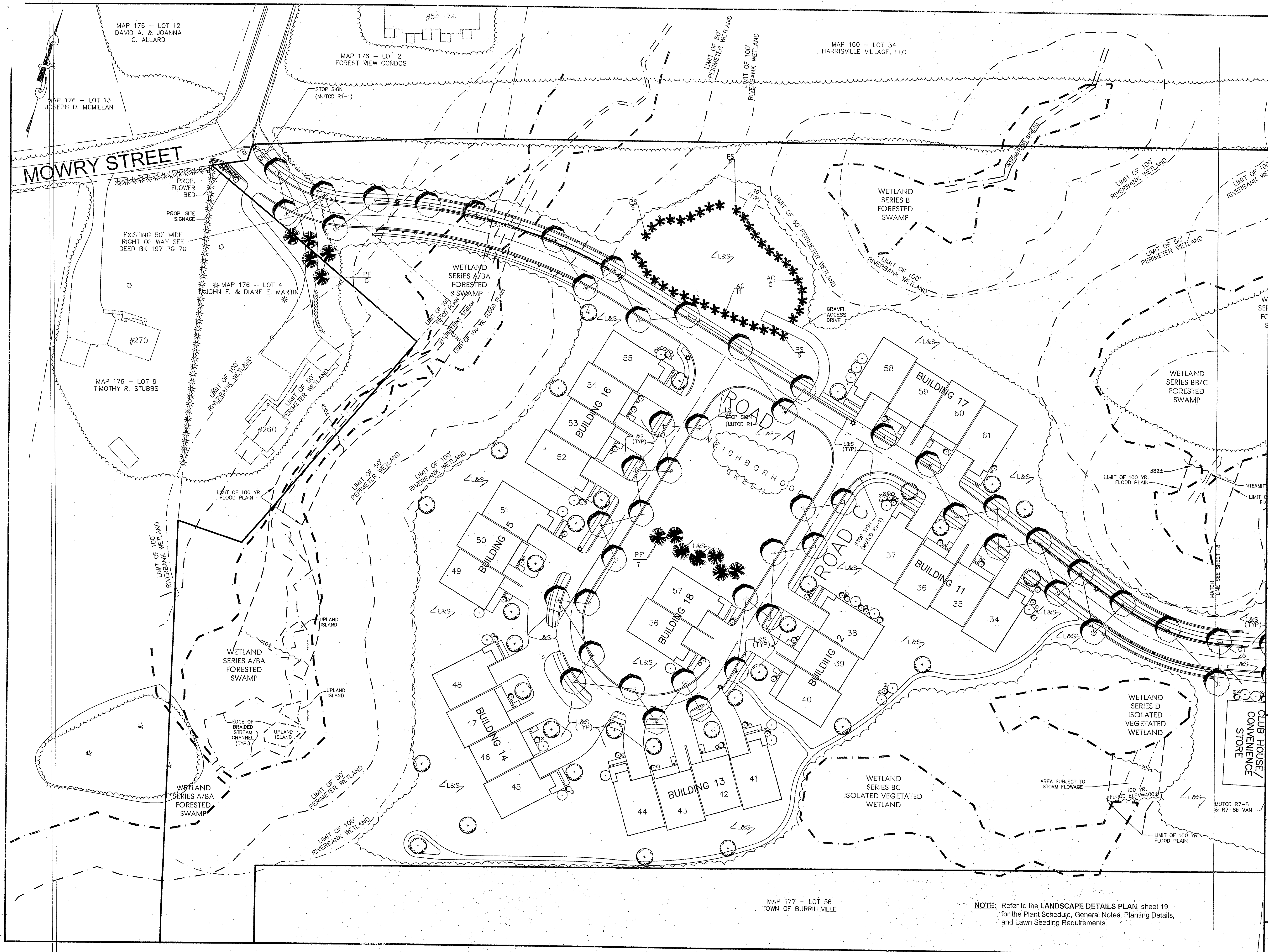
NO.	DATE	DESCRIPTION	BY
11	01/15/07	LANDSCAPE REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

LANDSCAPE PLAN
 Prepared For
C & L INVESTMENTS

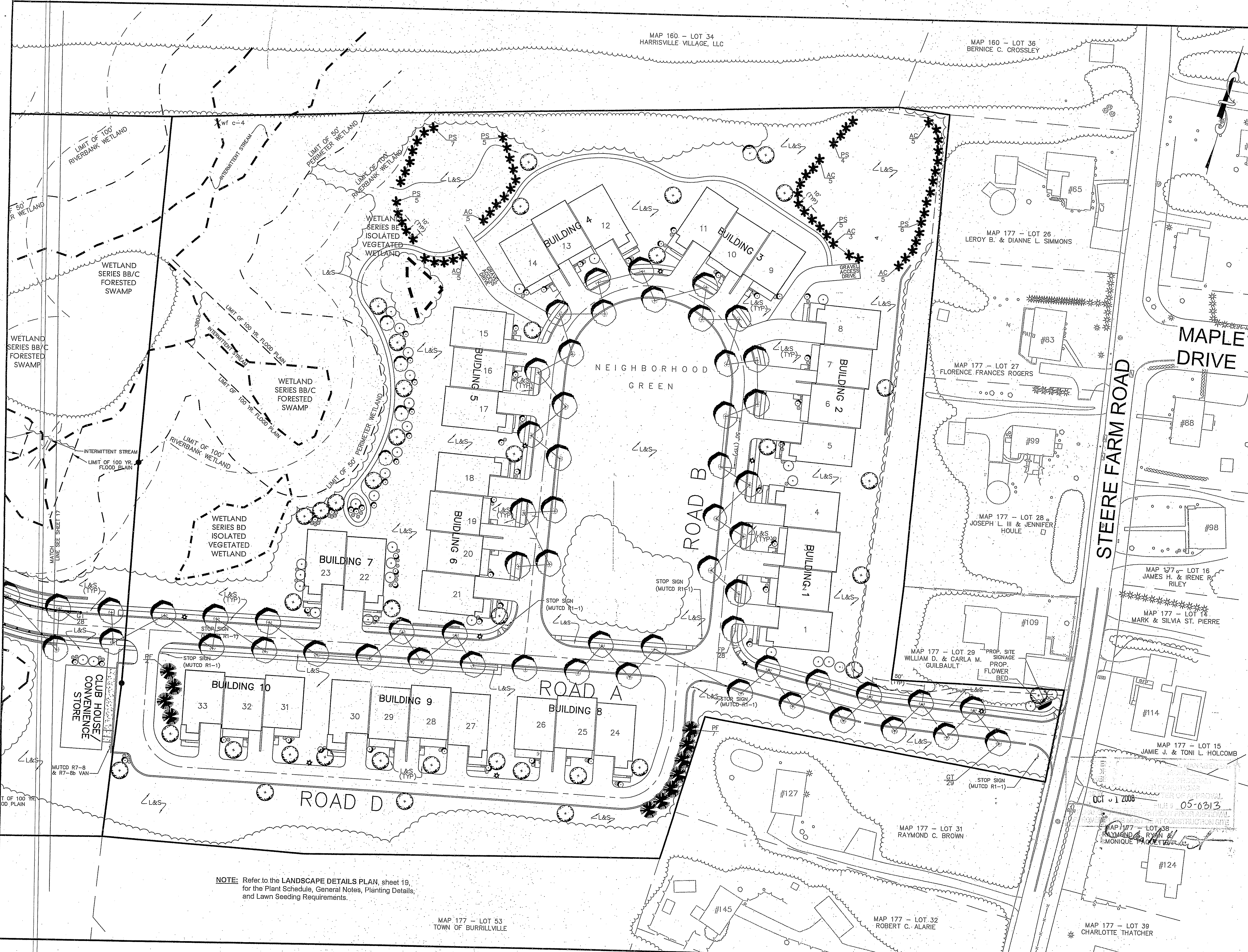
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JOB NO: RI02-103 DRAWING #: RI 02-103 17-DEFIN-LA.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 17 OF 31



NOTE: Refer to the LANDSCAPE DETAILS PLAN, sheet 19, for the Plant Schedule, General Notes, Planting Details, and Lawn Seeding Requirements.

C60 11.8.07 3.6.04 & 2.23.04
 3.12.07



HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY WHITINGVILLE, PA 01568
 N. SMITHFIELD, RI 02886 TEL. 508-266-2066
 FAX 508-266-2067

Giovanni Design Assoc., Inc.
 Steven J. Pilz, ASLA
 35 Anthony Drive
 Cranston, RI 02921
 15 JAN 06

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01886

- LEGEND:**
- STREET TREE @ 50' O.C. MAX. 3" MIN. CALIPER 80" HEIGHT TO BRANCHING REQ'D.
 - ORNAMENTAL TREE
 - EVERGREEN TREE @ 20' O.C. MAX.
 - LARGE EVERGREEN SHRUB
 - SMALL EVERGREEN SHRUB
 - SMALL FLOWERING SHRUB
 - EVERGREEN BUFFER TREE
 - L&S LOAM & SEED
 - PROPOSED LIMIT OF CLEARING
 - EXISTING TREE LINE
 - PROPOSED WALKING PATH
 - PROPOSED SIGN
 - PROPERTY LINE

REVISIONS

NO.	DATE	DESCRIPTION	BY
11	01/15/07	LANDSCAPE REVISIONS	SJP/ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

NO.	DATE	DESCRIPTION	BY
11	01/15/07	LANDSCAPE REVISIONS	SJP/ESW
10	01/09/07	DEM REVISIONS	ESW
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8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

LANDSCAPE PLAN

Prepared For
C & L INVESTMENTS

SCALE: 1" = 40' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 16-17-DEFIN-LA.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 18 OF 34

NOTE: Refer to the LANDSCAPE DETAILS PLAN, sheet 19, for the Plant Schedule, General Notes, Planting Details, and Lawn Seeding Requirements.

MAP 177 - LOT 53
 TOWN OF BURRILLVILLE

MAP 177 - LOT 32
 ROBERT C. ALARIE

MAP 177 - LOT 39
 CHARLOTTE THATCHER

060118-07 1.4.08 8.23.07

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WHITINSVILLE, MA 02886
 TEL. 508-266-2066 FAX 508-266-2067

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER REPLENISHMENT PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION

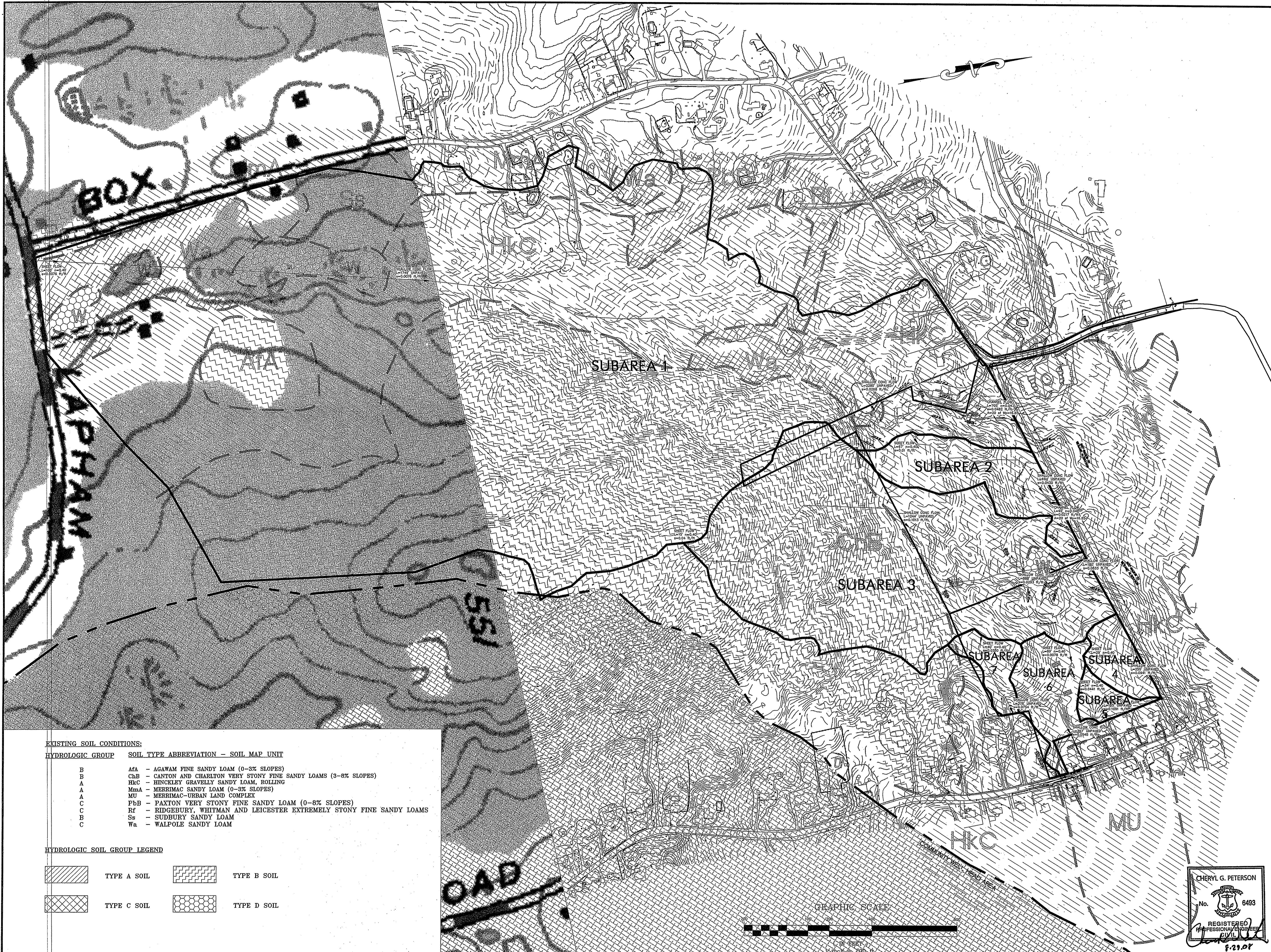
Charles A. Herbst

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

EXISTING DRAINAGE
 AREA PLAN
 Prepared For **C & L INVESTMENTS**

SCALE: 1" = 200' DATE: JULY 14, 2005
 JOB NO: RI02-103 DRAWING #: RI 02-103 19-DEFIN-DP.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: SHEET 20 OF 31

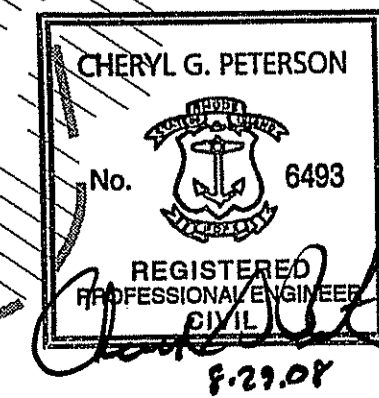


EXISTING SOIL CONDITIONS:

HYDROLOGIC GROUP	SOIL TYPE ABBREVIATION - SOIL MAP UNIT
B	AfA - AGAWAM FINE SANDY LOAM (0-3% SLOPES)
B	ChB - CANTON AND CHARLTON VERY STONY FINE SANDY LOAMS (3-8% SLOPES)
A	HkC - HINCKLEY GRAVELLY SANDY LOAM, ROLLING
A	MmA - MERRIMAC SANDY LOAM (0-3% SLOPES)
A	MU - MERRIMAC-URBAN LAND COMPLEX
C	PbB - PAXTON VERY STONY FINE SANDY LOAM (0-8% SLOPES)
C	Rz - RIDGEBURY, WHITMAN AND LEICESTER EXTREMELY STONY FINE SANDY LOAMS
B	Ss - SUDBURY SANDY LOAM
C	Wa - WALPOLE SANDY LOAM

HYDROLOGIC SOIL GROUP LEGEND

	TYPE A SOIL		TYPE B SOIL
	TYPE C SOIL		TYPE D SOIL



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 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WATTSVILLE, MA 01868
 TEL 508-266-2066 FAX 508-266-2067

DETENTION BASIN	BOTTOM ELEVATION	SEASONAL HIGH GROUND WATER ELEV.
A	386.00	ELEV.=384.0±
B	372.00	ELEV.=370.6±
C	358.00	ELEV.=353.8±
D	359.00	ELEV.=351.2±

INFILTRATION SYSTEM	BOTTOM ELEVATION	SEASONAL HIGH GROUND WATER ELEV.
A	391.8±	ELEV.=388.6±
B	374.8±	ELEV.=371.0±
C	354.5±	ELEV.=350.6±

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED OCT 31 2008 FILE # 05-033
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Hest

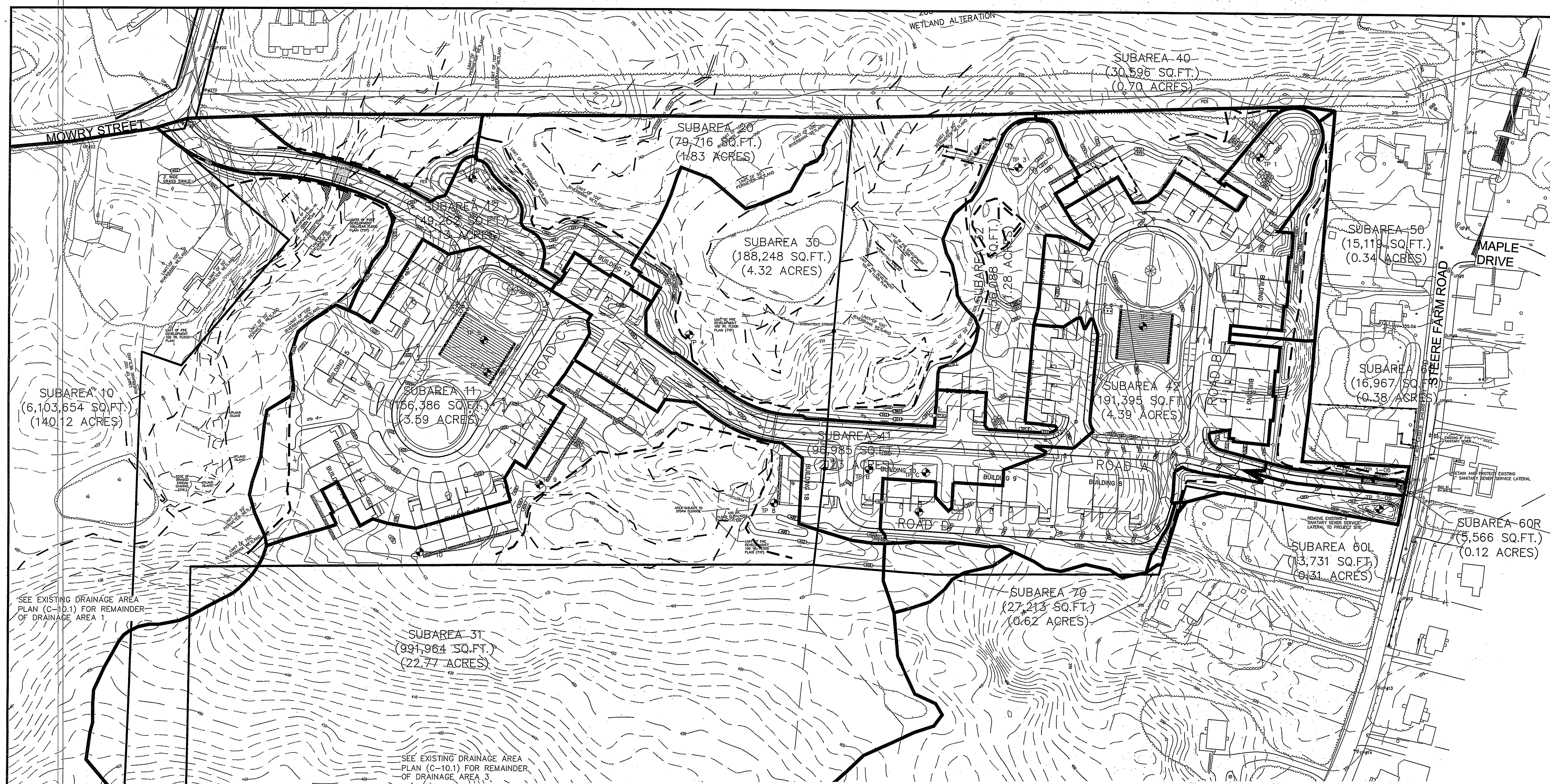
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13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV
NO.	DATE	DESCRIPTION	BY

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

PROPOSED DRAINAGE AREA PLAN
 Prepared For **C & L INVESTMENTS**

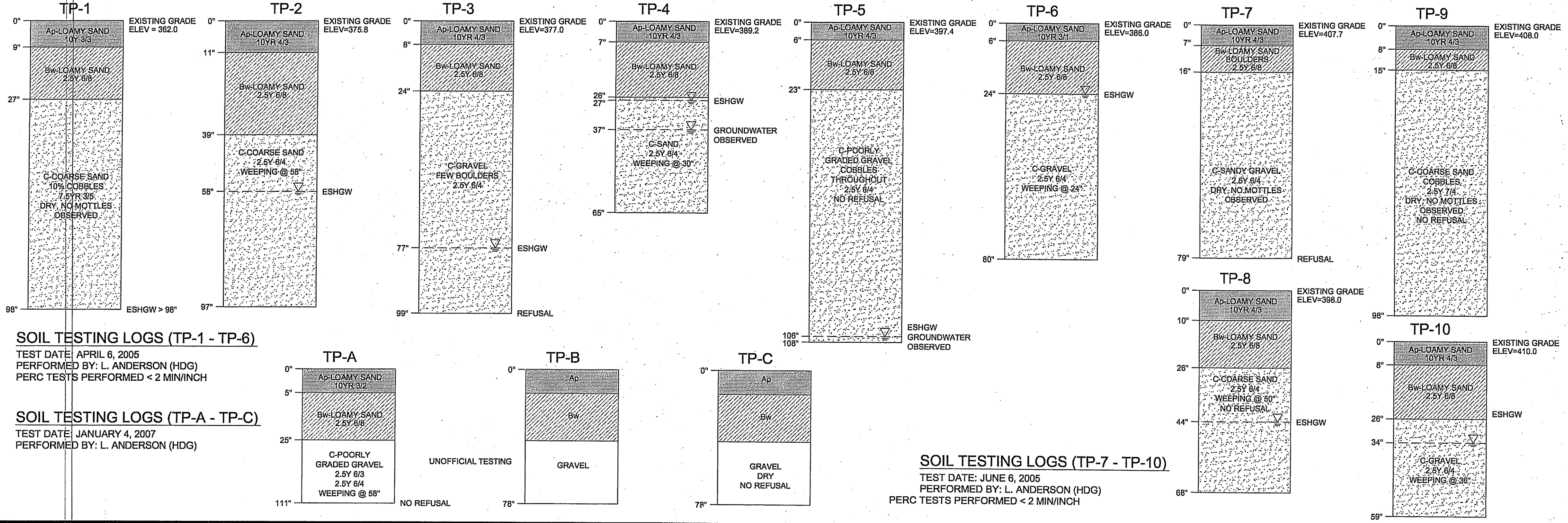
SCALE: 1" = 80' DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 19-DEFIN-DP.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 21 OF 31



SEE EXISTING DRAINAGE AREA PLAN (C-10.1) FOR REMAINDER OF DRAINAGE AREA 1

SEE EXISTING DRAINAGE AREA PLAN (C-10.1) FOR REMAINDER OF DRAINAGE AREA 3

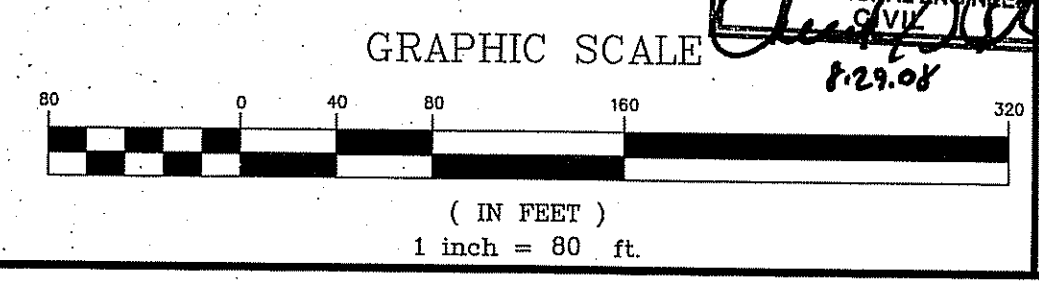
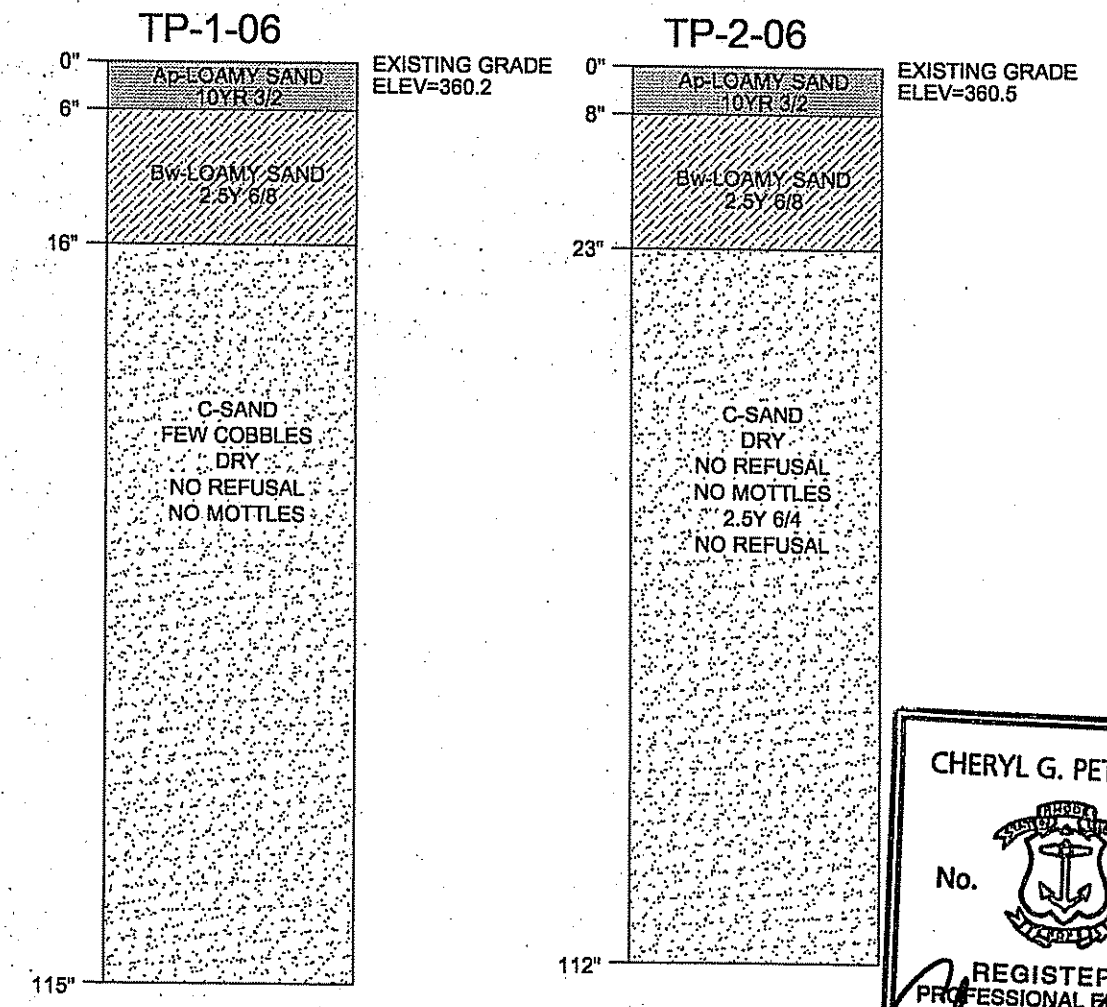


SOIL TESTING LOGS (TP-1 - TP-6)
 TEST DATE: APRIL 6, 2005
 PERFORMED BY: L. ANDERSON (HDG)
 PERC TESTS PERFORMED < 2 MIN/INCH

SOIL TESTING LOGS (TP-A - TP-C)
 TEST DATE: JANUARY 4, 2007
 PERFORMED BY: L. ANDERSON (HDG)

SOIL TESTING LOGS (TP-7 - TP-10)
 TEST DATE: JUNE 6, 2005
 PERFORMED BY: L. ANDERSON (HDG)
 PERC TESTS PERFORMED < 2 MIN/INCH

SOIL TESTING LOGS (TP-1-06 - TP-2-06)
 TEST DATE: MAY 8, 2006
 PERFORMED BY: L. ANDERSON (HDG)



CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 7/21/08

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
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 DATED OCT 31 2008 FILE # 05-0313
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 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Nadeau

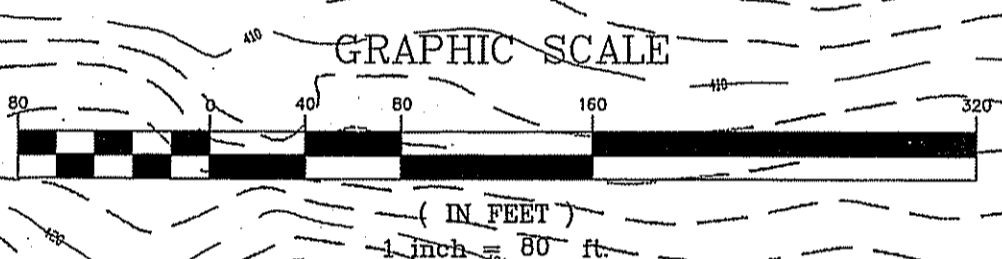
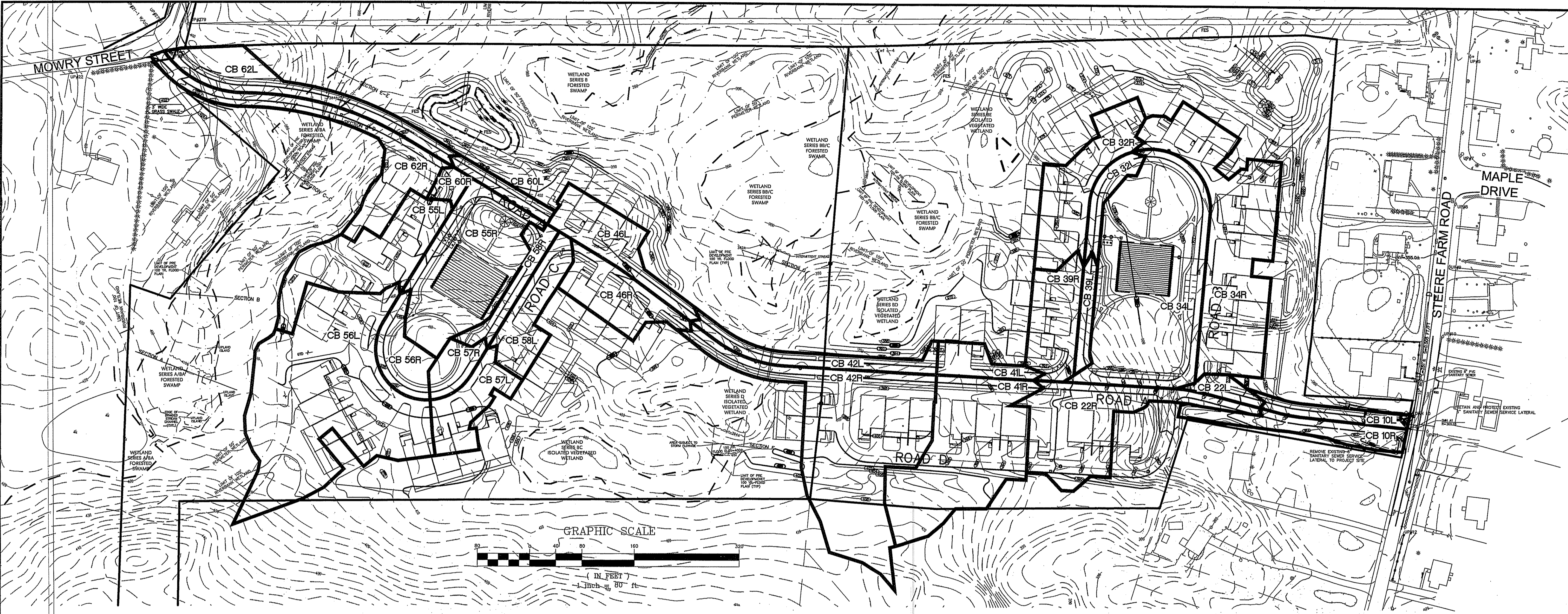
REVISIONS		
NO.	DATE	DESCRIPTION
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13	3/06/08	DPW COMMENTS FJO
12	1/02/08	PLANNING BOARD COMMENTS FJO
11	3/12/07	DEM REVISIONS ESW
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8	9/8/06	PLANNING BOARD REVISIONS WCN
7	8/4/06	RIDOT COMMENT ESW
6	5/26/06	RIDOT COMMENT WCN
5	5/15/06	DEM COMMENTS WCN
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3	3/27/06	RIDOT COMMENTS WCN
2	1/12/06	DEM COMMENTS WCN
1	8/10/05	DEM COMMENTS MJV
NO.	DATE	DESCRIPTION

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

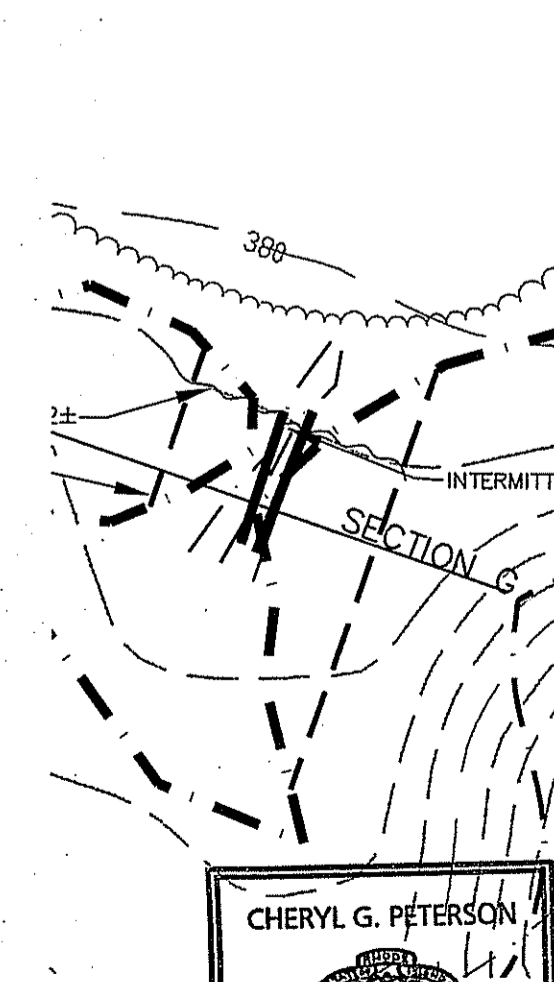
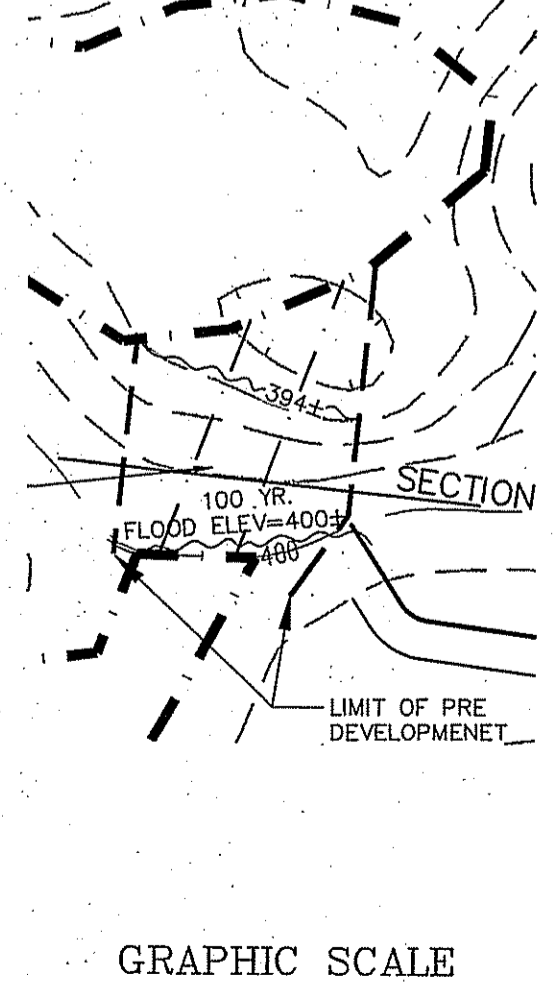
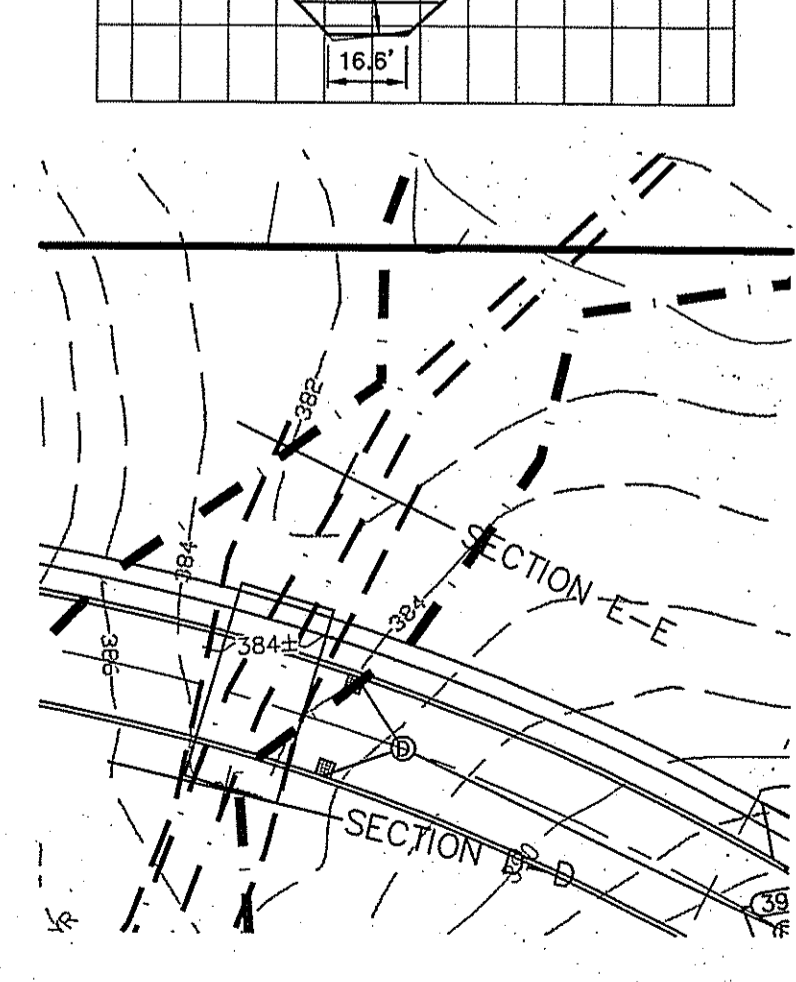
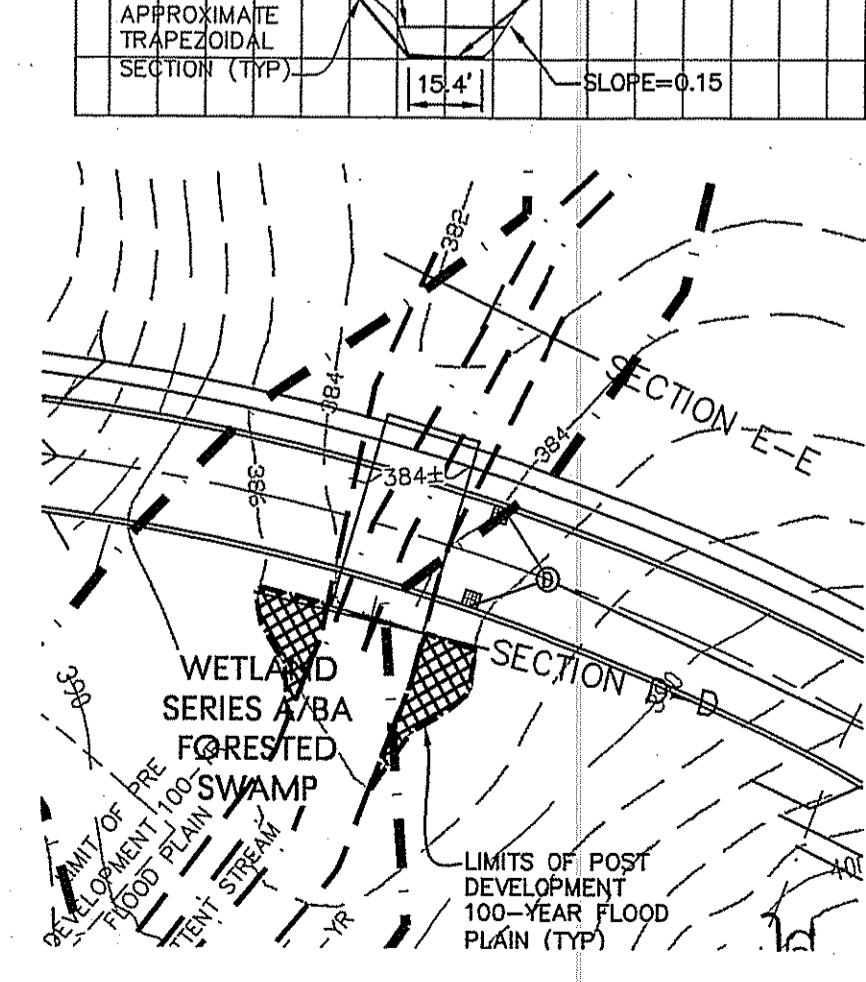
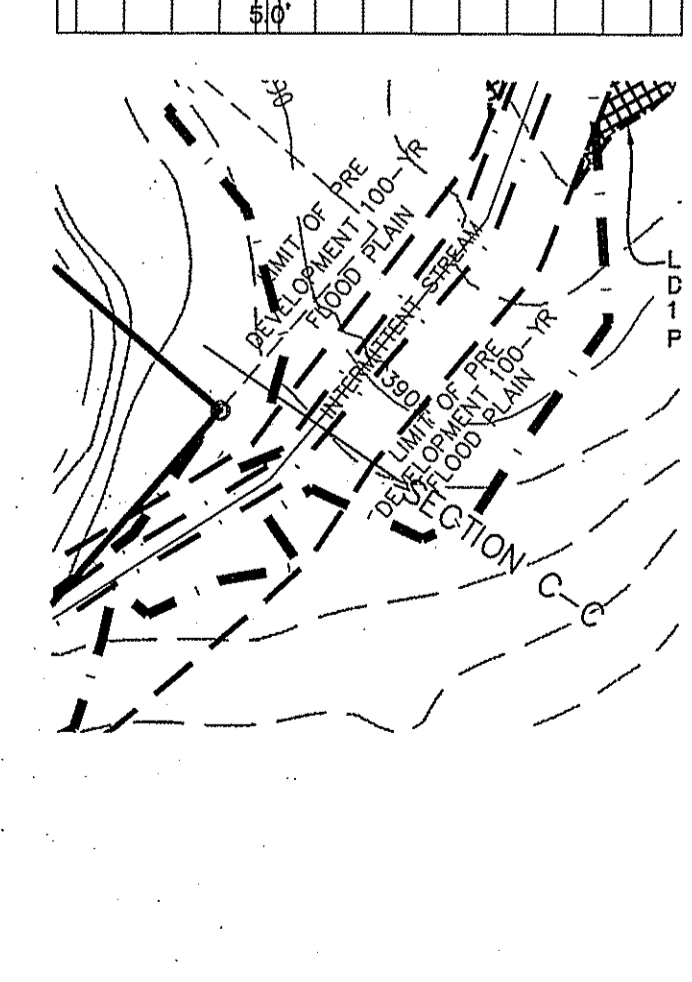
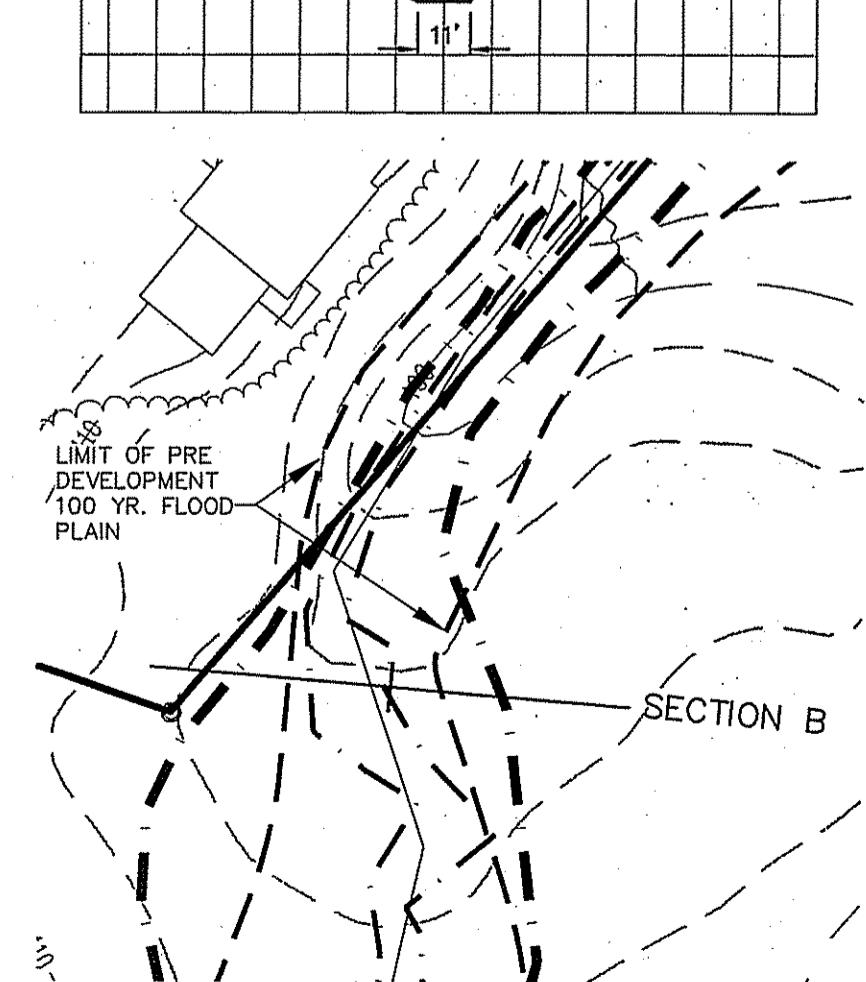
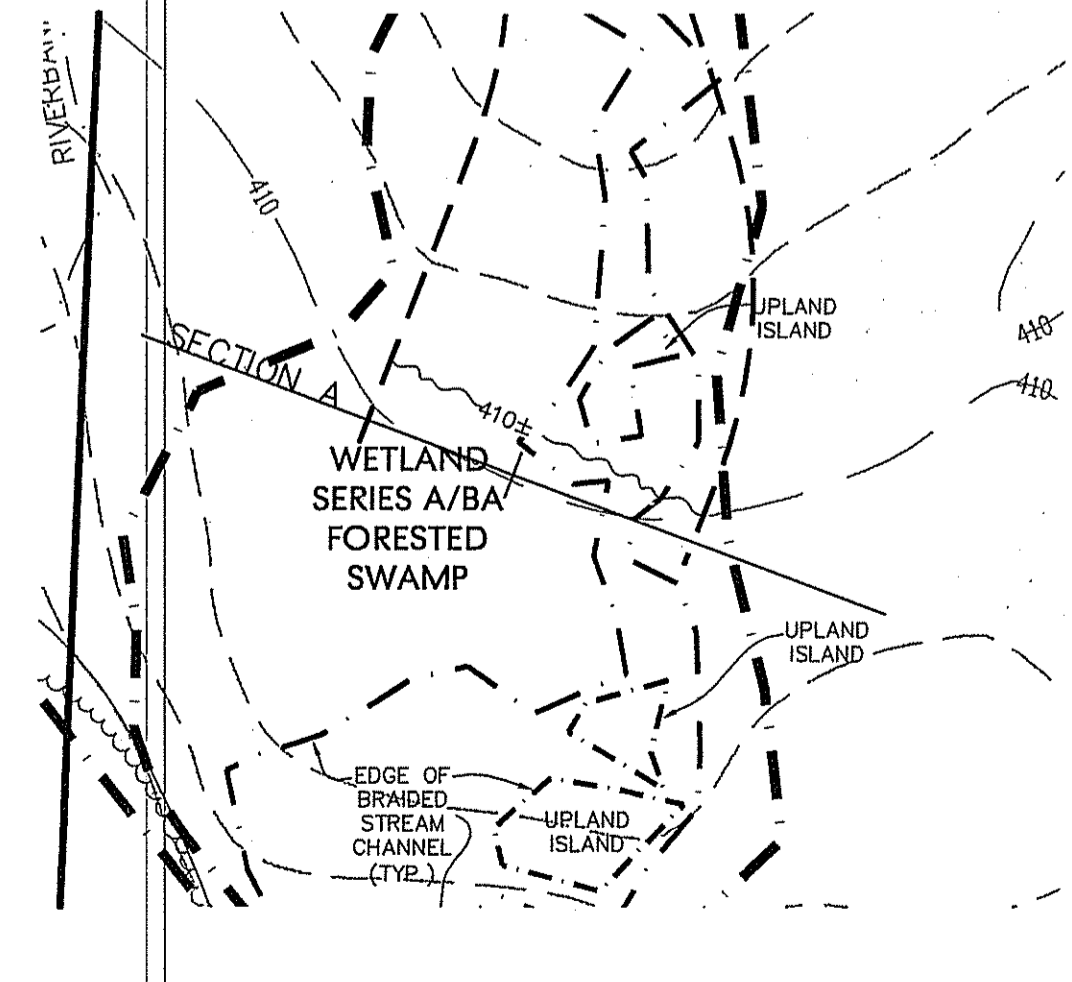
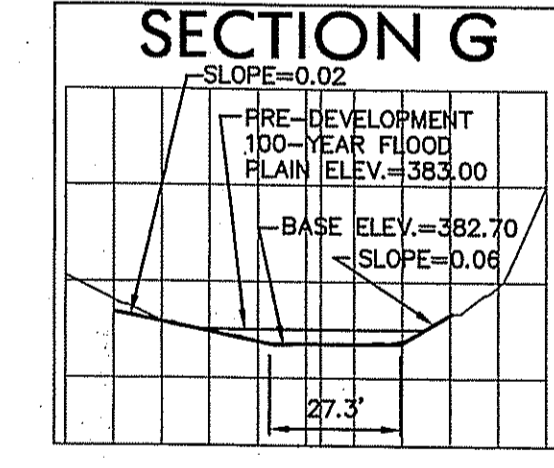
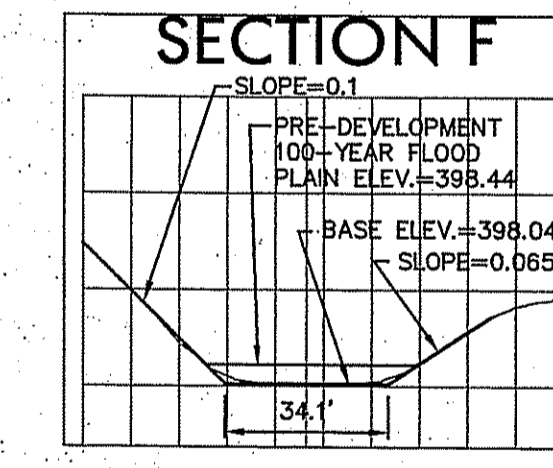
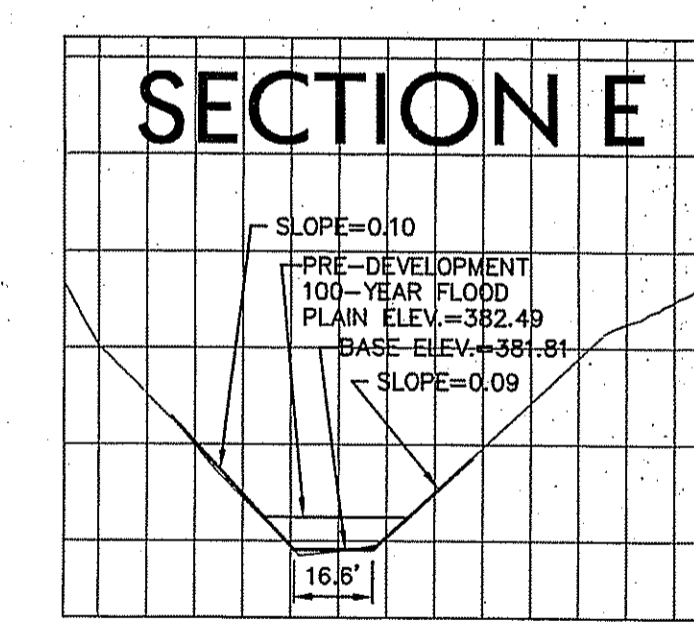
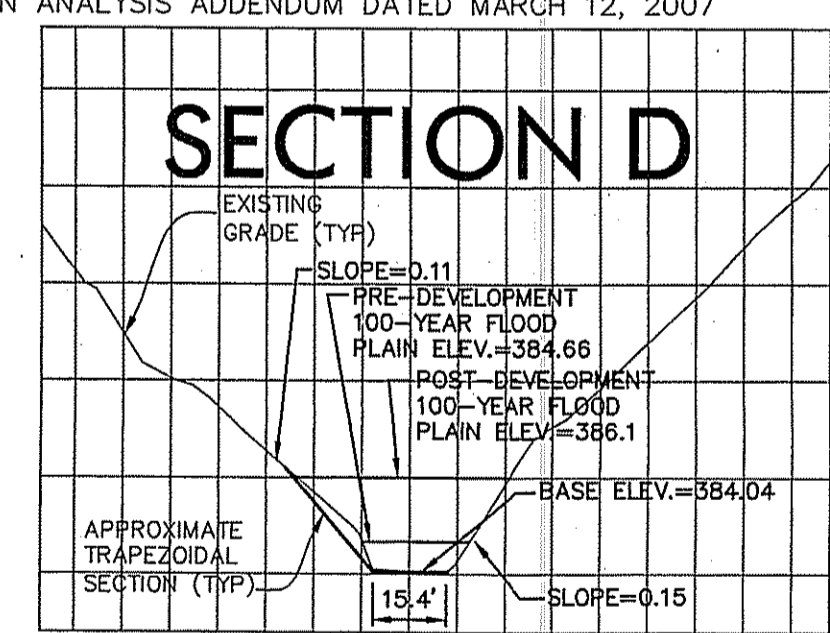
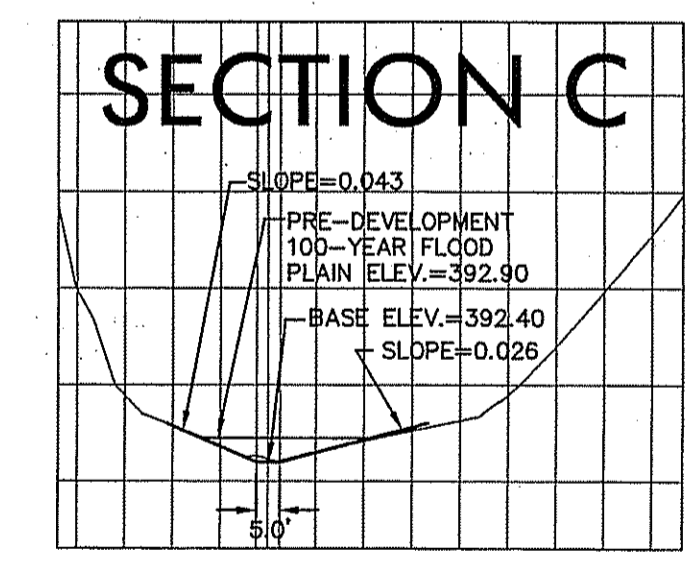
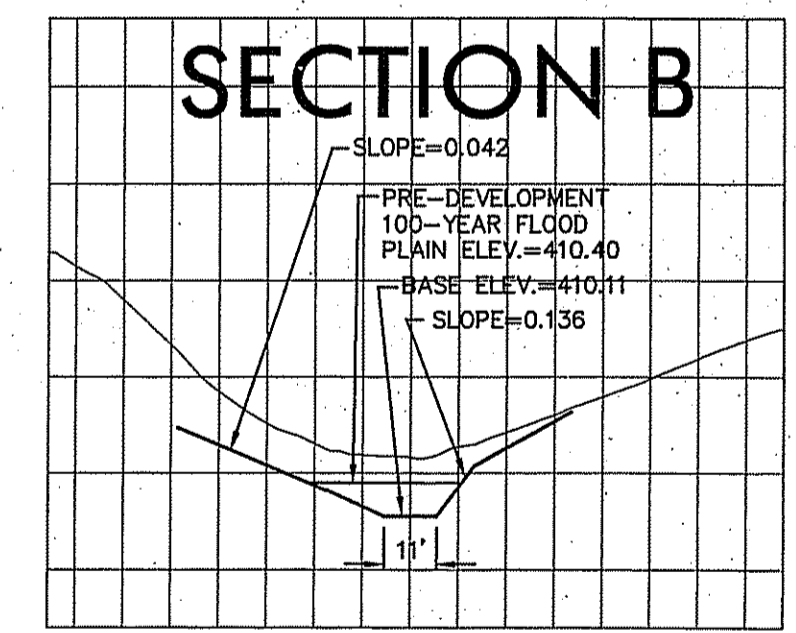
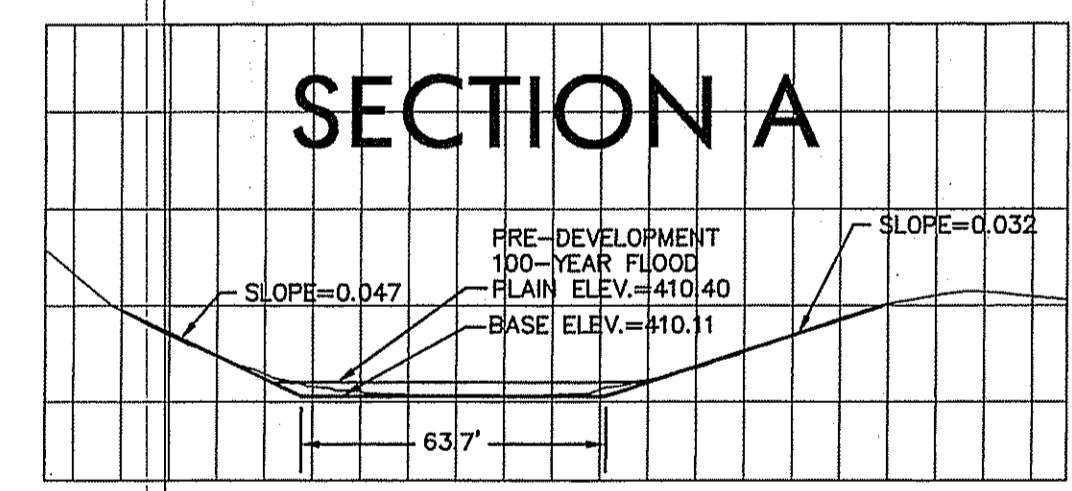
**CATCH BASIN
 DRAINAGE AREA PLAN**
 Prepared For
C & L INVESTMENTS

SCALE: 1" = AS NOTED DATE: JULY 14, 2005

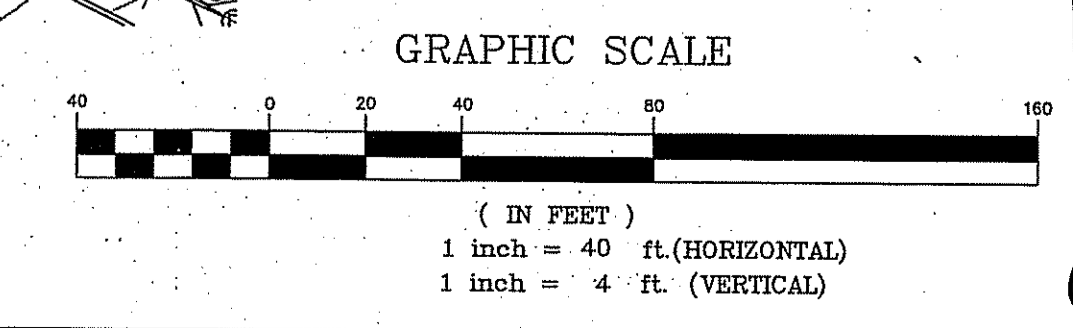
JOB NO: RI02-103 DRAWING #: RI 02-103 19-DEFIN-DP.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 22 OF 31



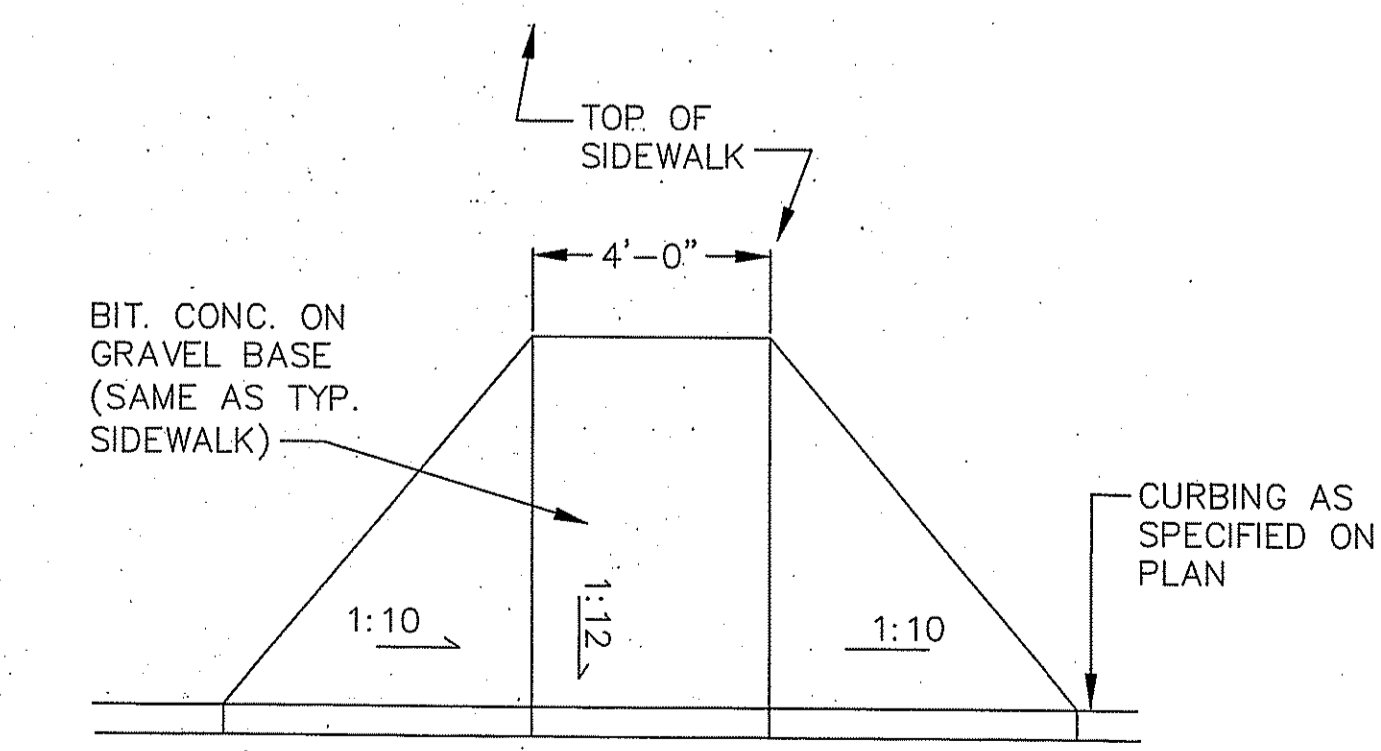
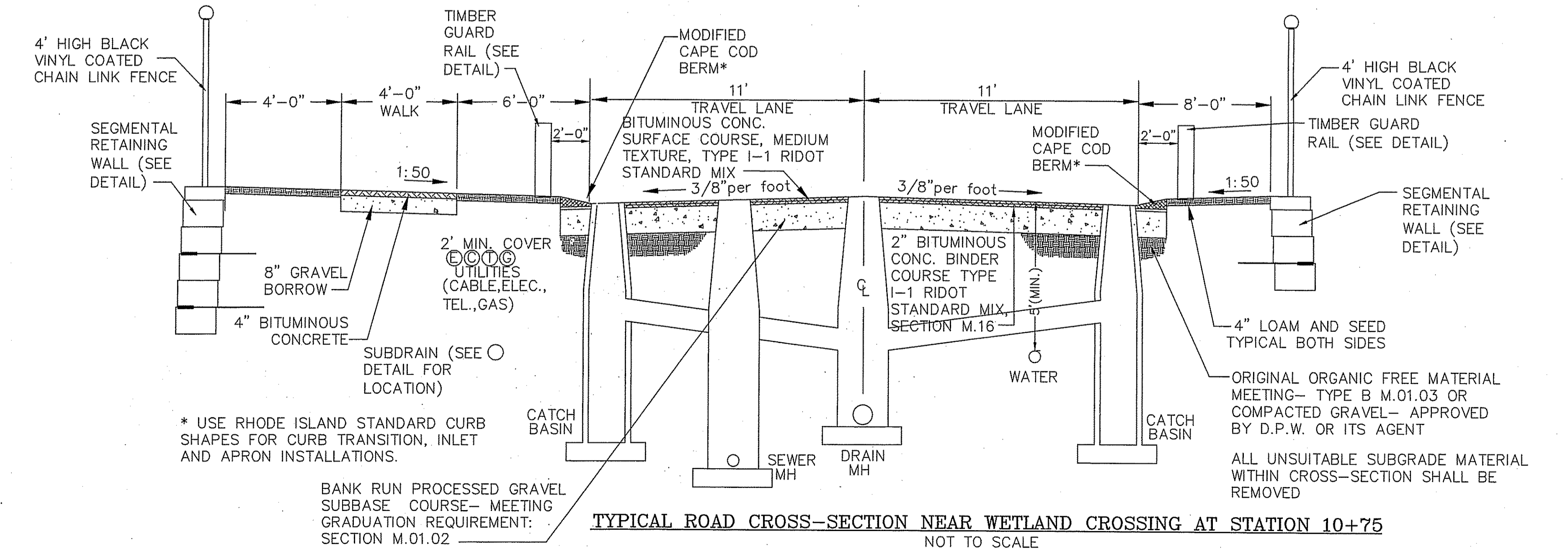
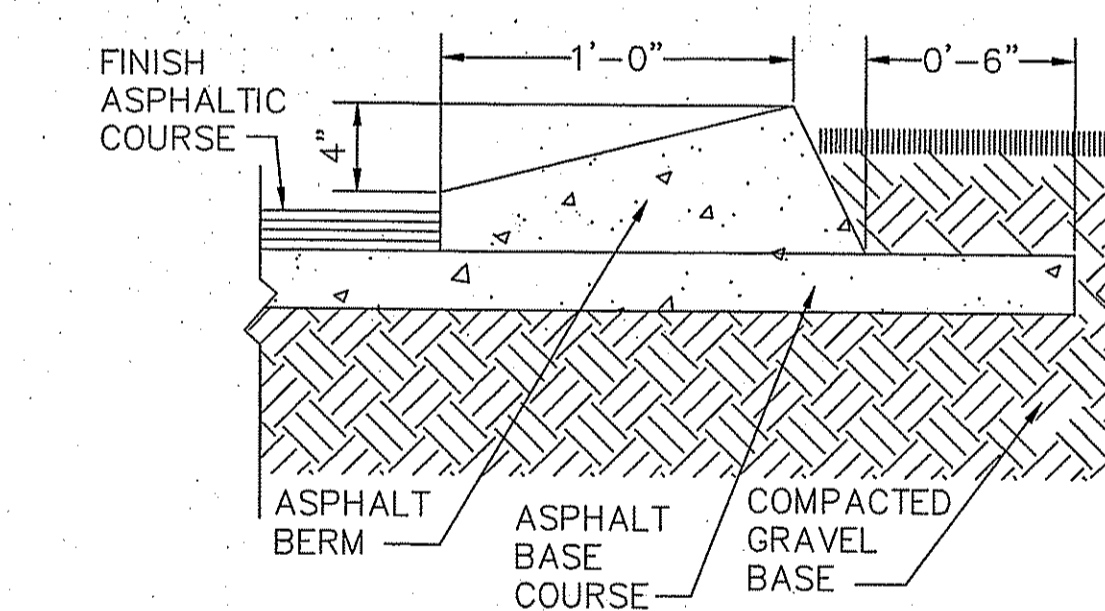
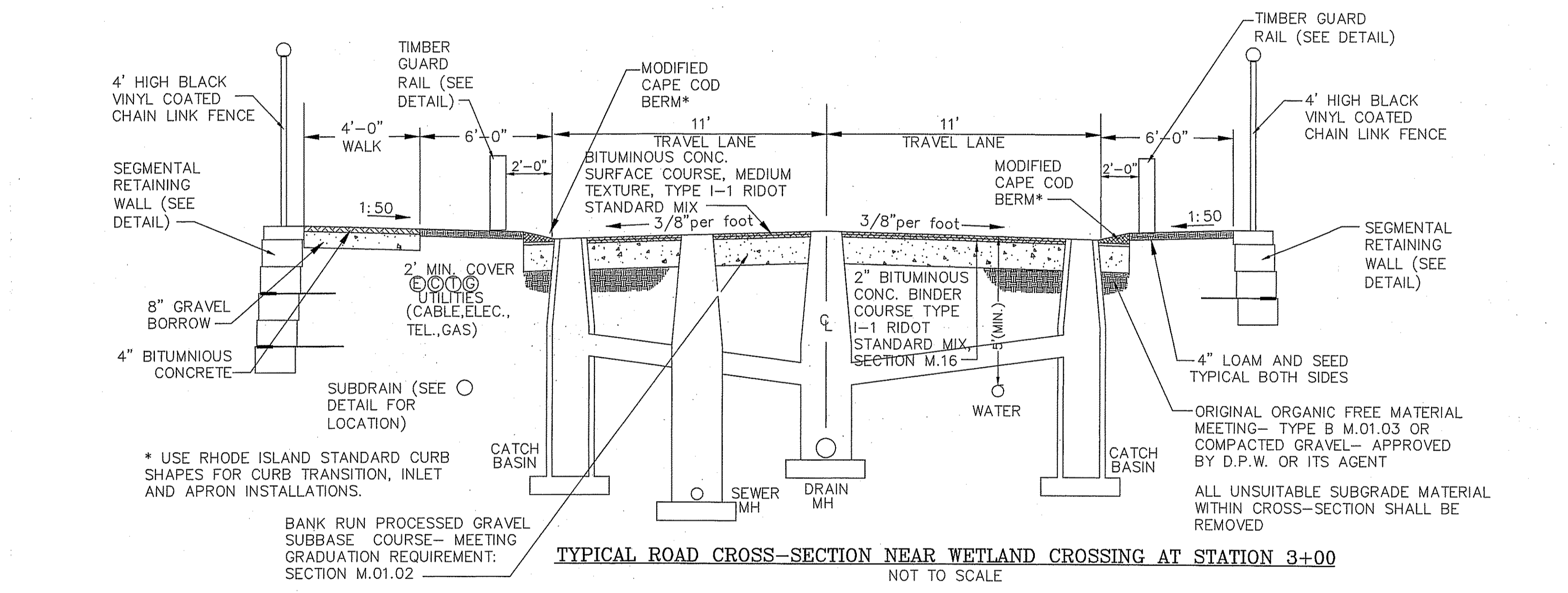
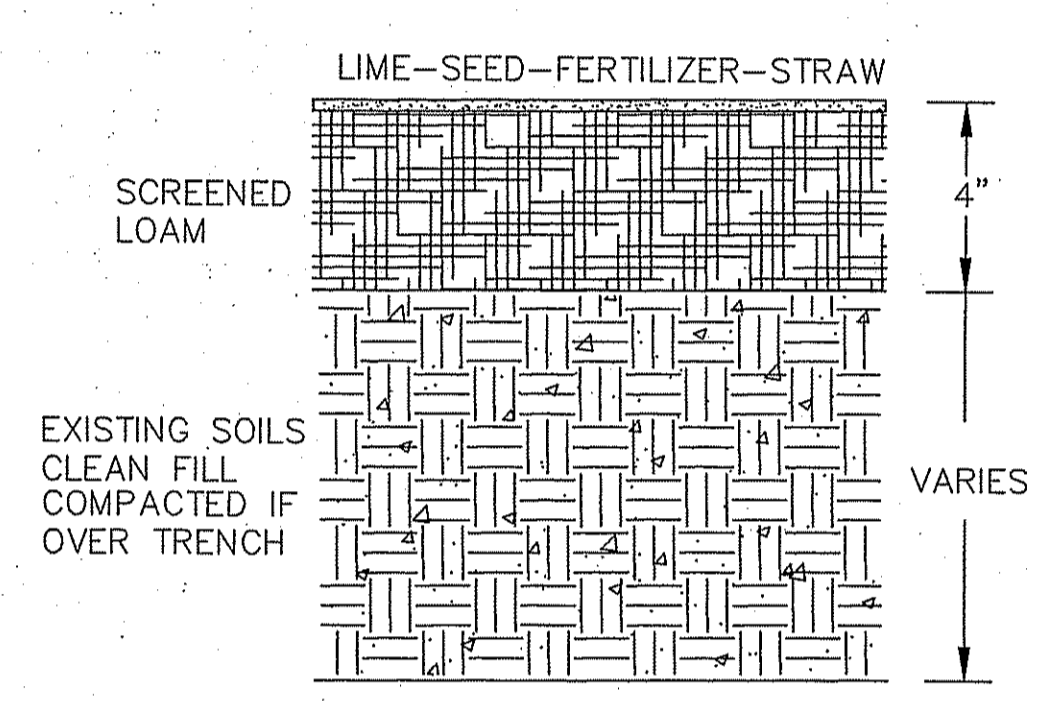
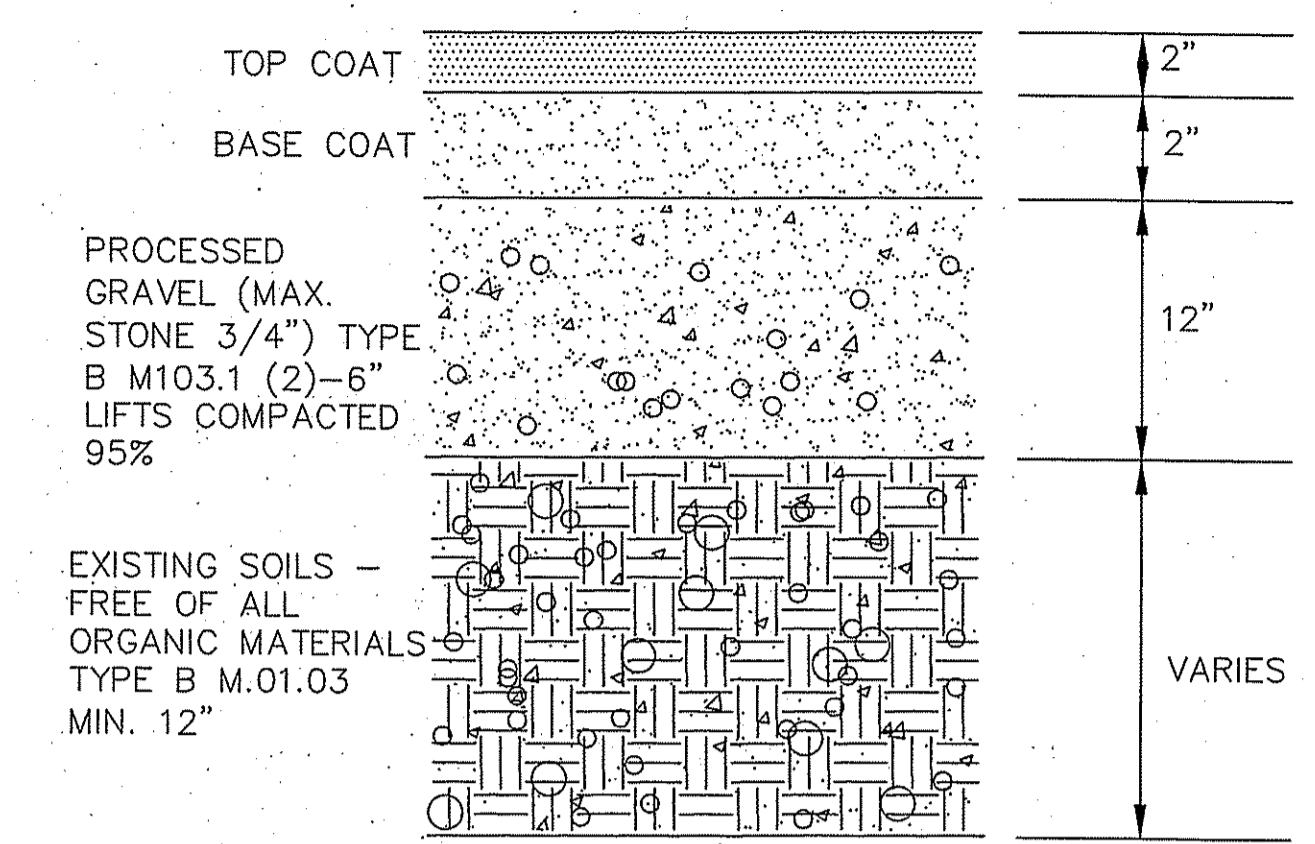
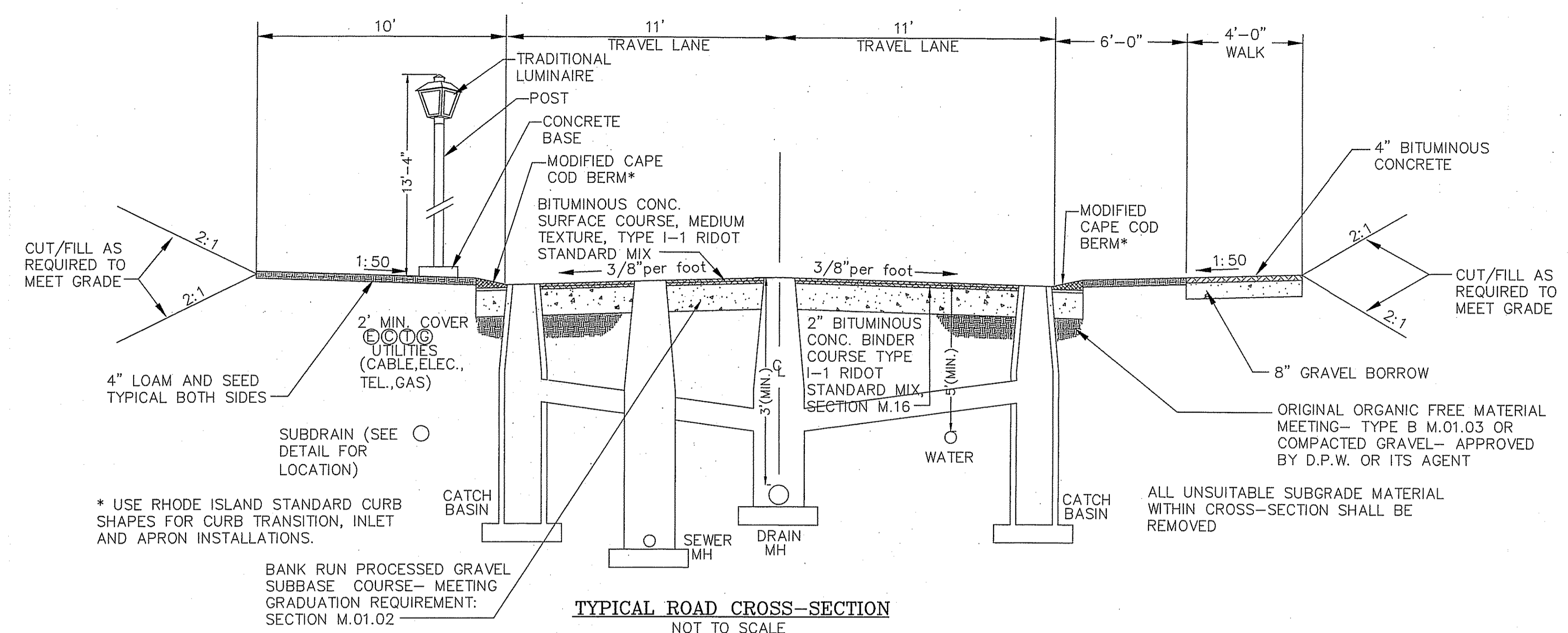
NOTE: AS ILLUSTRATED IN THE BELOW FLOOD PLAIN CROSS SECTIONS THE ONLY IMPACTS TO THE 100-YEAR FLOOD PLAIN OCCUR AT SECTION D-D, WHERE THE PROPOSED 20-FT WIDE BOTTOMLESS ARCH CULVERT HAS BEEN CALCULATED TO CAUSE A SLIGHT BACKUP OF WATER AT ITS ENTRANCE. THE RESULTING FLOODPLAIN IS CONFINED TO THE IMMEDIATE AREA OF THE CULVERT AND REMAINS ENTIRELY ON THE SUBJECT PARCEL. SEE DRAINAGE ANALYSIS REPORT BY HERITAGE DESIGN GROUP, UPDATED JANUARY 10, 2007 AND FLOOD PLAIN ANALYSIS ADDENDUM DATED MARCH 12, 2007



FLOODPLAIN CROSS SECTIONS



CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 8-29-08



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER PROTECTION
 FRESHWATER WETLANDS SECTION
 APPROVED WITH COMMENTS
 AS SHOWN ON THESE PLANS
 DATED OCT 31 2008
 NO CHANGES ALLOWED WITHOUT THE APPROVED PLANS MUST BE AS SHOWN ON THESE PLANS
 05-0313

Charles A. Hall

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
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NO.	DATE	DESCRIPTION	BY

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

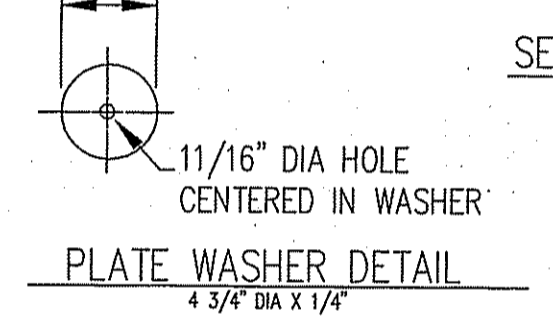
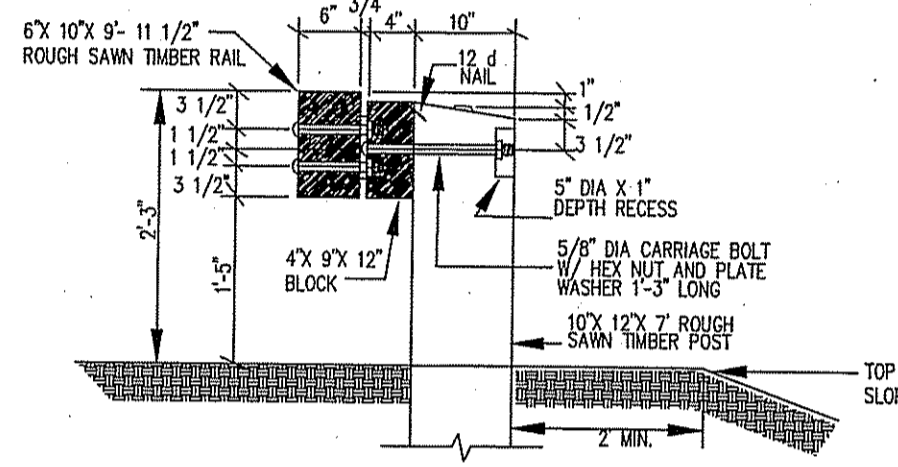
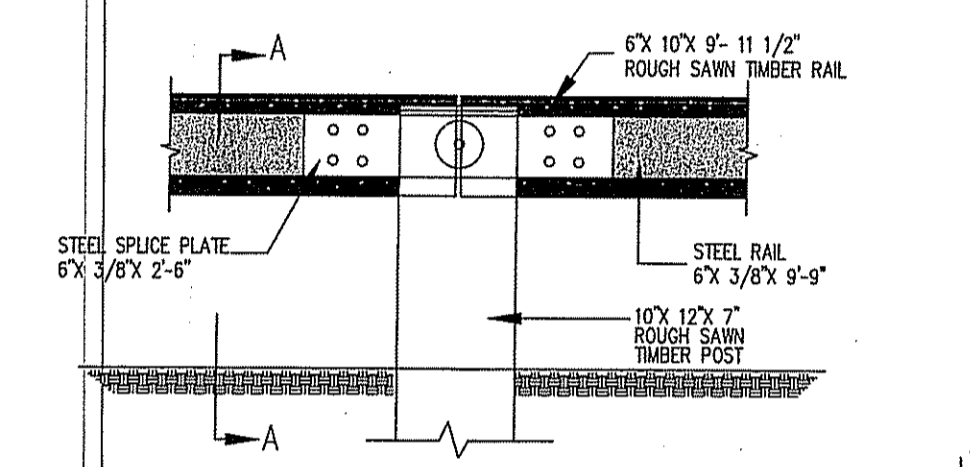
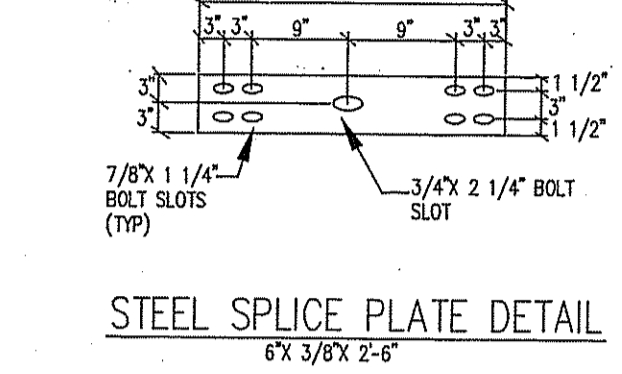
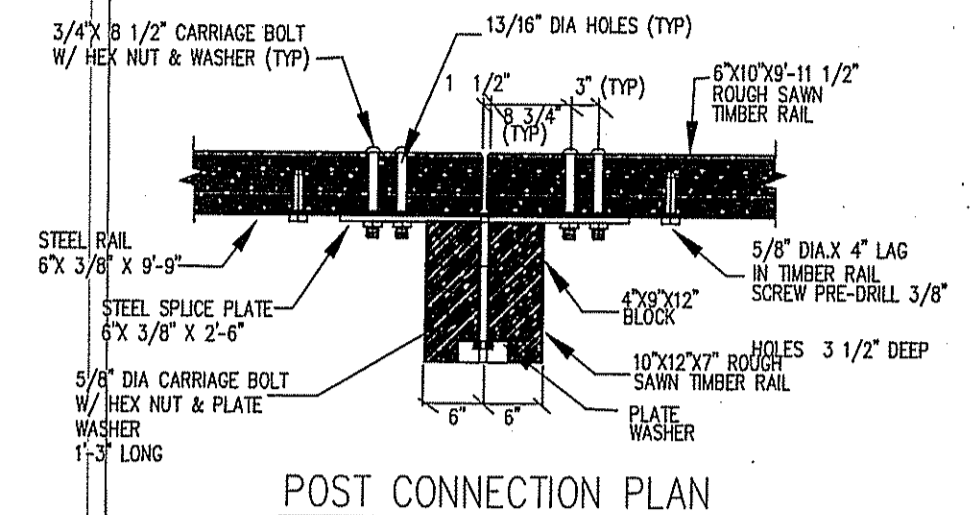
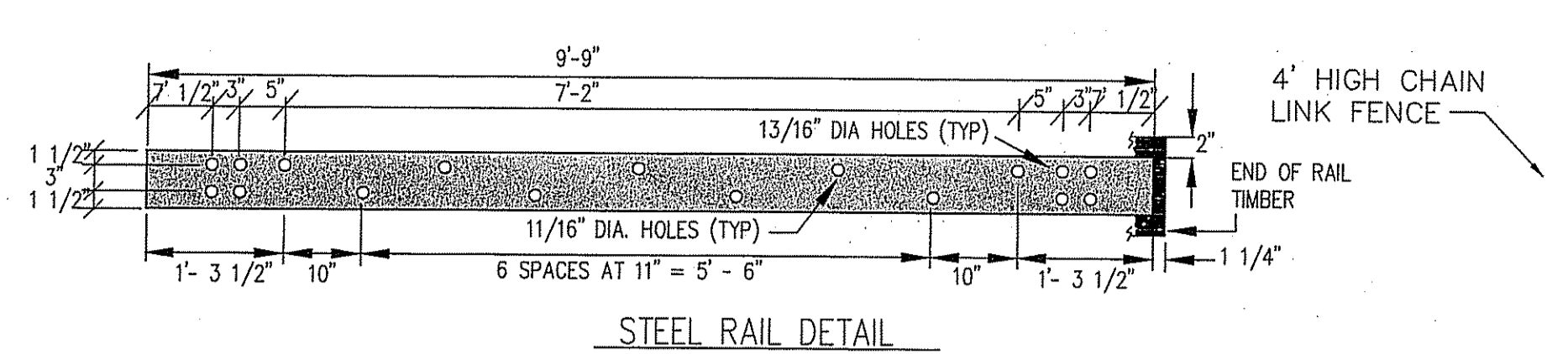
SITE DETAILS

Prepared For
C & L INVESTMENTS

SCALE: AS NOTED DATE: JULY 14, 2005

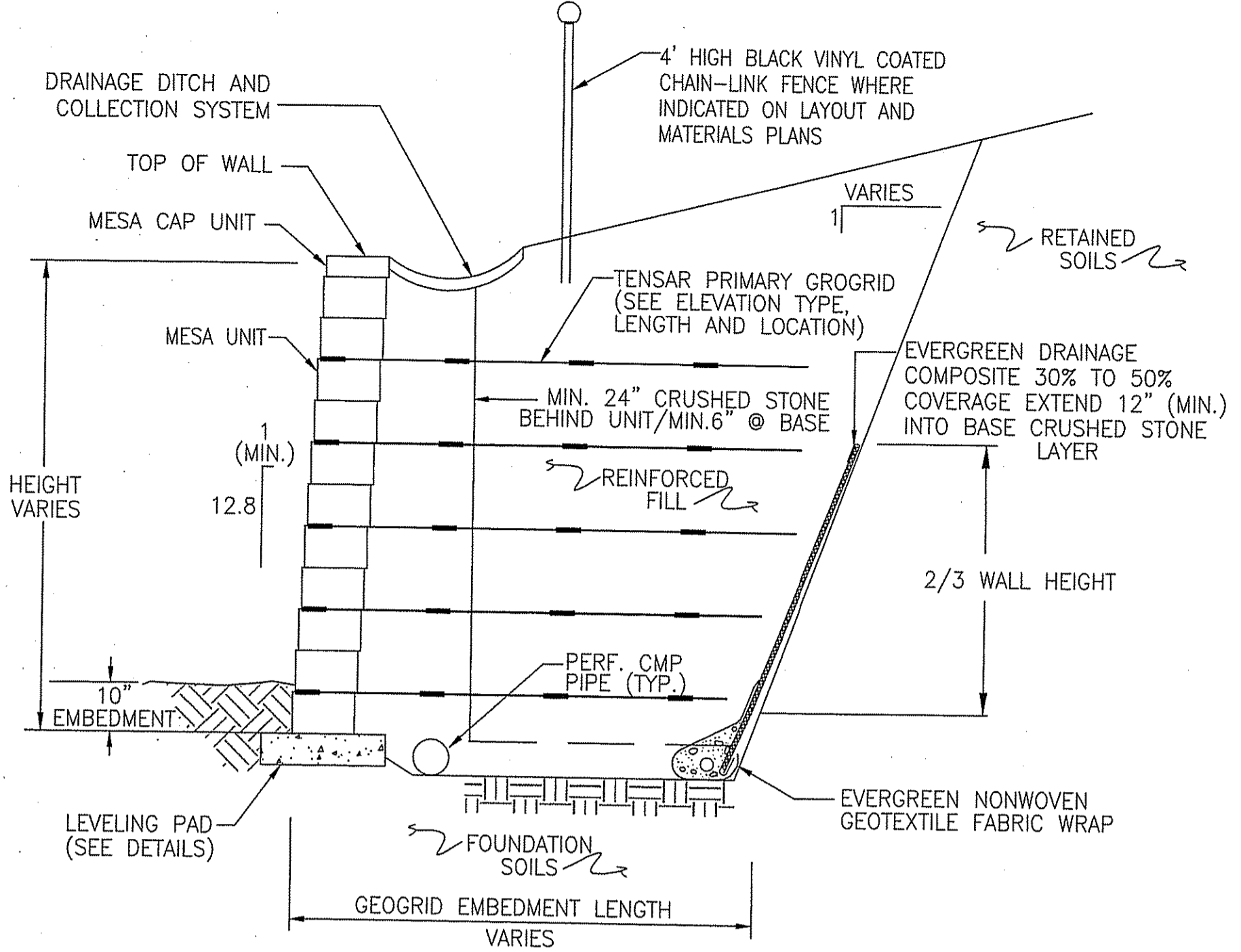
JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
 DRAWN / CHECKED BY: MJV/CGP SHEET: 23 OF 31

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 8-29-08



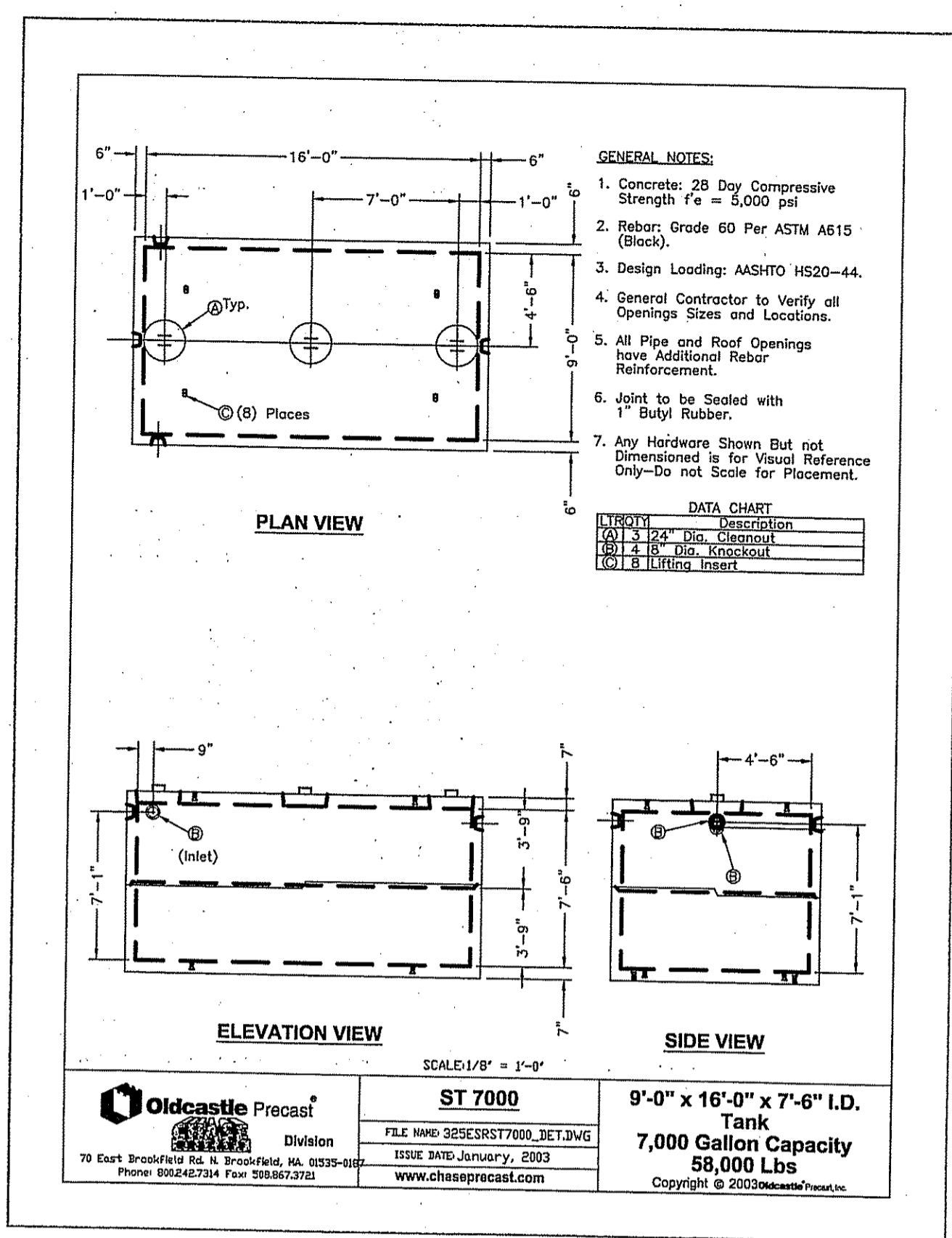
STEEL BACKED TIMBER GUARDRAIL
NOT TO SCALE

NOTES:
1. ALL STRUCTURAL STEEL AND FASTENER HARDWARE SHALL BE WEATHERING STEEL AS SPECIFIED.



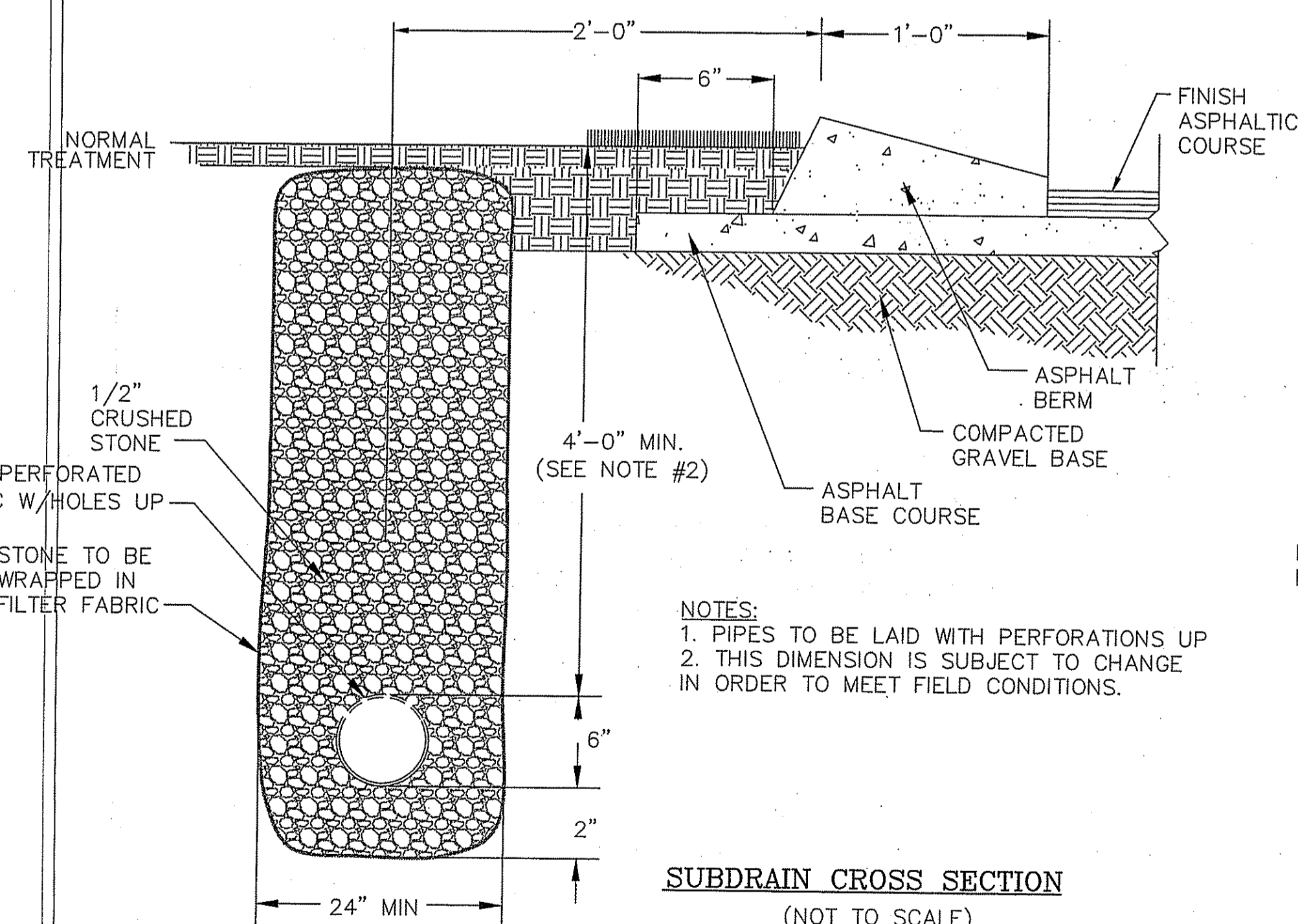
NOTE:
WALL TO BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER. AFTER COMPLETION, CONSTRUCTED WALL TO BE CERTIFIED BY A LICENSED STRUCTURAL ENGINEER.

TYPICAL RETAINING WALL CROSS-SECTION
(NOT TO SCALE)



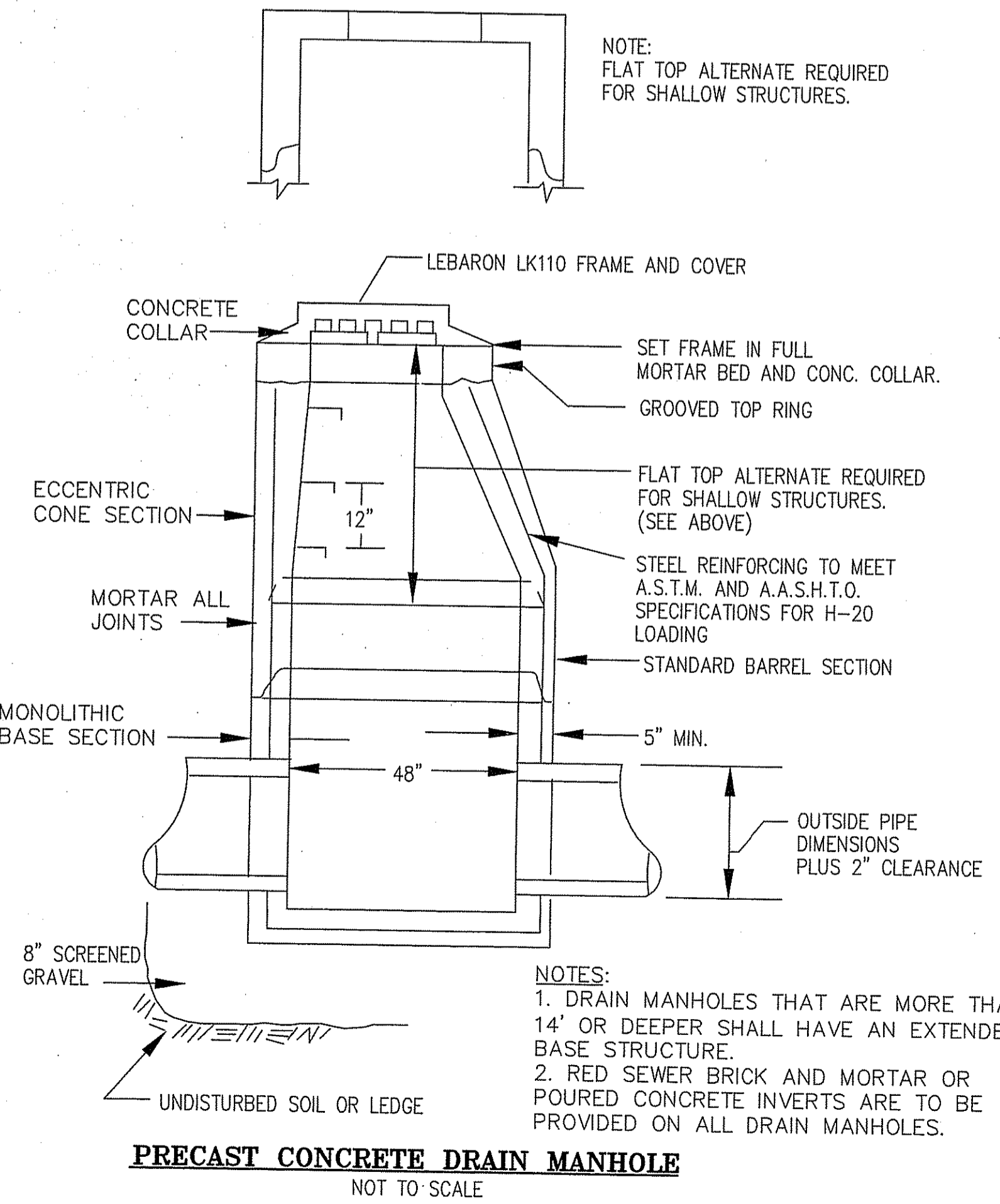
GENERAL NOTES:
1. Concrete: 28 Day Compressive Strength $f'_c = 3,000$ psi (Block).
2. Rebar: Grade 60 Per ASTM A615 (Block).
3. Design Loading: AASHTO HS20-44.
4. General Contractor to Verify all Openings Sizes and Locations.
5. All Pipe and Roof Openings have Additional Rebar Reinforcement.
6. Joints to be Sealed with 1" Butyl Rubber.
7. Any Hardware Shown but not Dimensioned is for Visual Reference Only—Do not Scale for Placement.

Oldcastle Precast
ST 7000
9'-0" x 16'-0" x 7'-6" I.D.
7,000 Gallon Capacity
58,000 Lbs



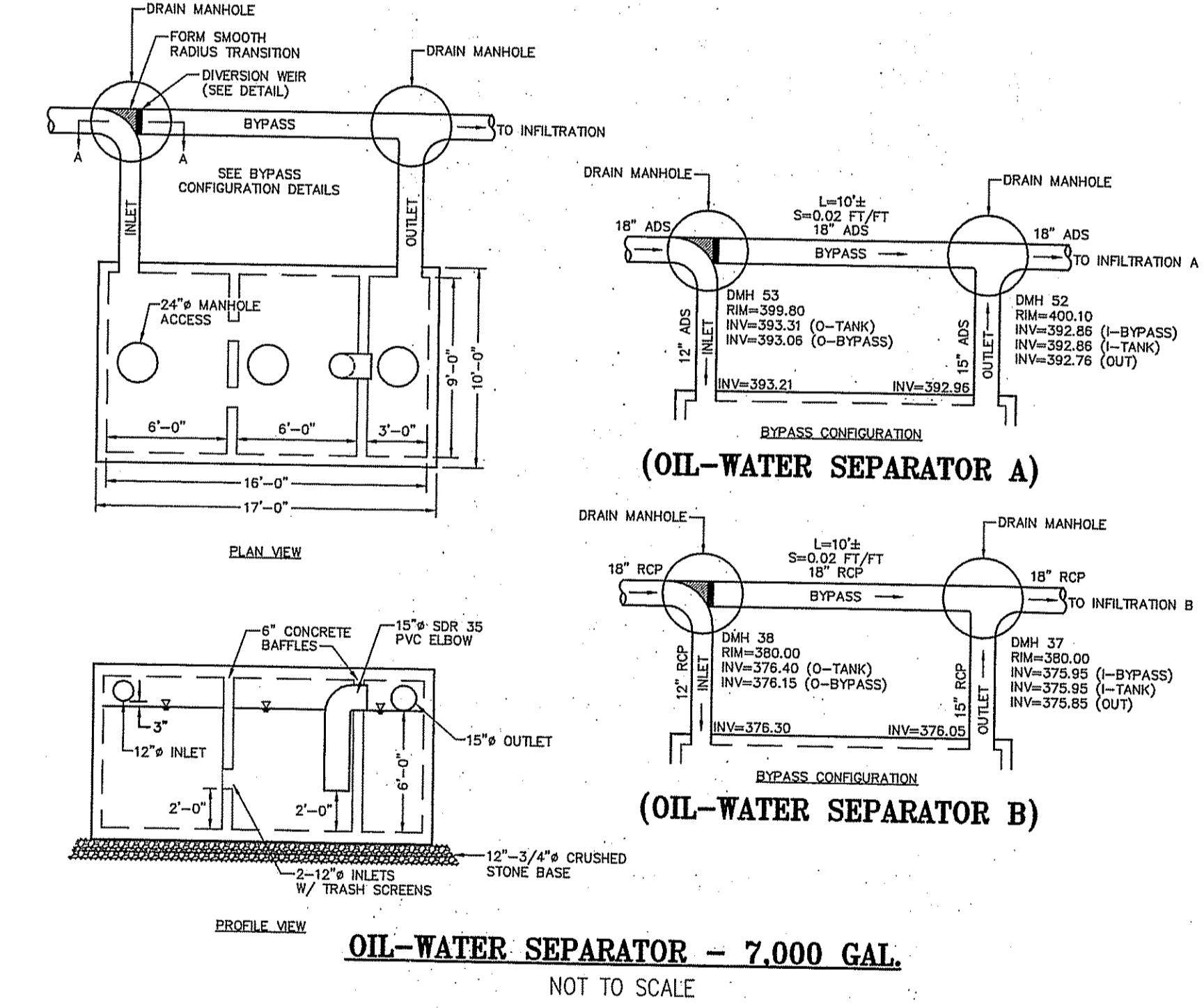
NOTES:
1. PIPES TO BE LAID WITH PERFORATIONS UP
2. THIS DIMENSION IS SUBJECT TO CHANGE IN ORDER TO MEET FIELD CONDITIONS.

SUBDRAIN CROSS SECTION
(NOT TO SCALE)

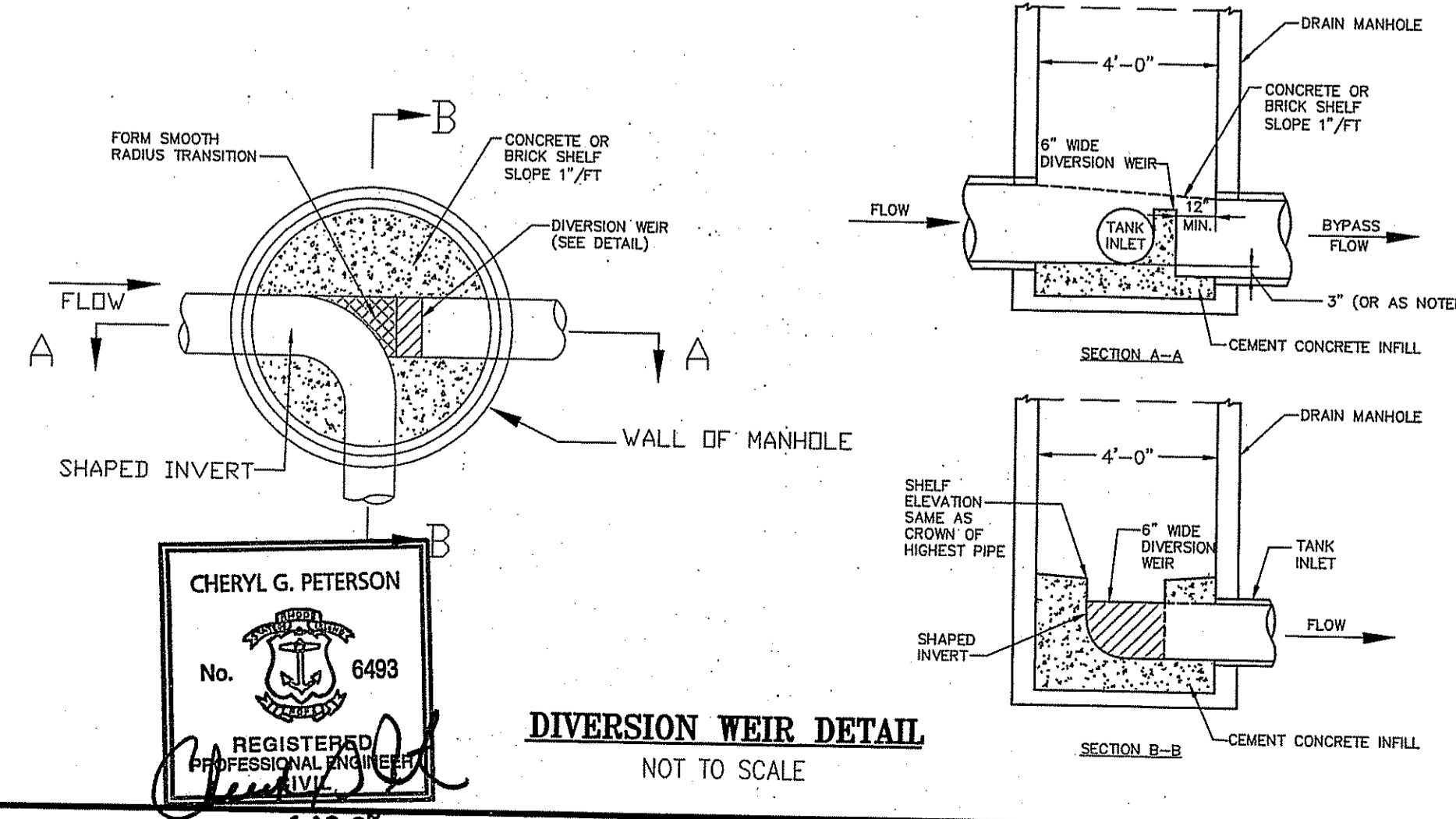


NOTES:
1. DRAIN MANHOLES THAT ARE MORE THAN 14' OR DEEPER SHALL HAVE AN EXTENDED BASE STRUCTURE.
2. RED SEWER BRICK AND MORTAR OR POURED CONCRETE INVERTS ARE TO BE PROVIDED ON ALL DRAIN MANHOLES.

PRECAST CONCRETE DRAIN MANHOLE
NOT TO SCALE



OIL-WATER SEPARATOR - 7,000 GAL
NOT TO SCALE



DIVERSION WEIR DETAIL
NOT TO SCALE

HERITAGE DESIGN GROUP, INC.
PLANNERS • SURVEYORS • ENGINEERS
8 COUNTRY WAY
N. SMITHFIELD, RI 02886
TEL. 508-266-2066
FAX 508-266-2067

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED OCT 31 2008 FILE # 05-0313
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Nestor

REVISIONS			
NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
PRELIMINARY PLAN
MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

SITE DETAILS

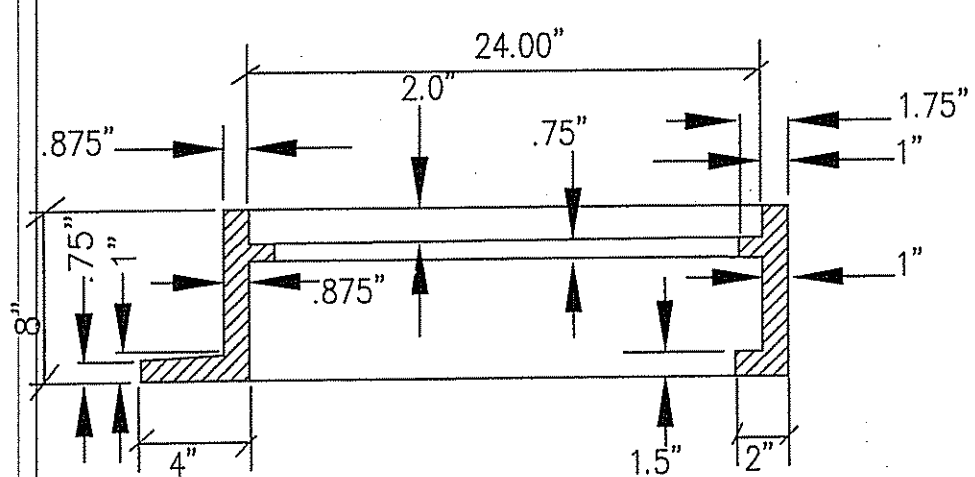
Prepared For

C & L INVESTMENTS

SCALE: AS NOTED DATE: JULY 14, 2005

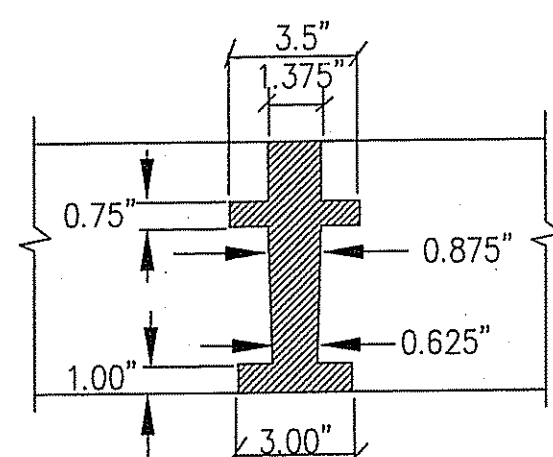
JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
DRAWN / CHECKED BY: MJV/CGP SHEET: 24 OF 31

CHERYL G. PETERSON
No. 6493
REGISTERED PROFESSIONAL ENGINEER

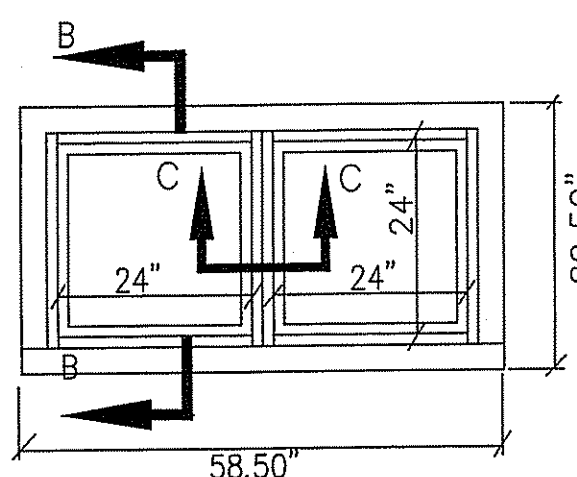


SECTION B-B

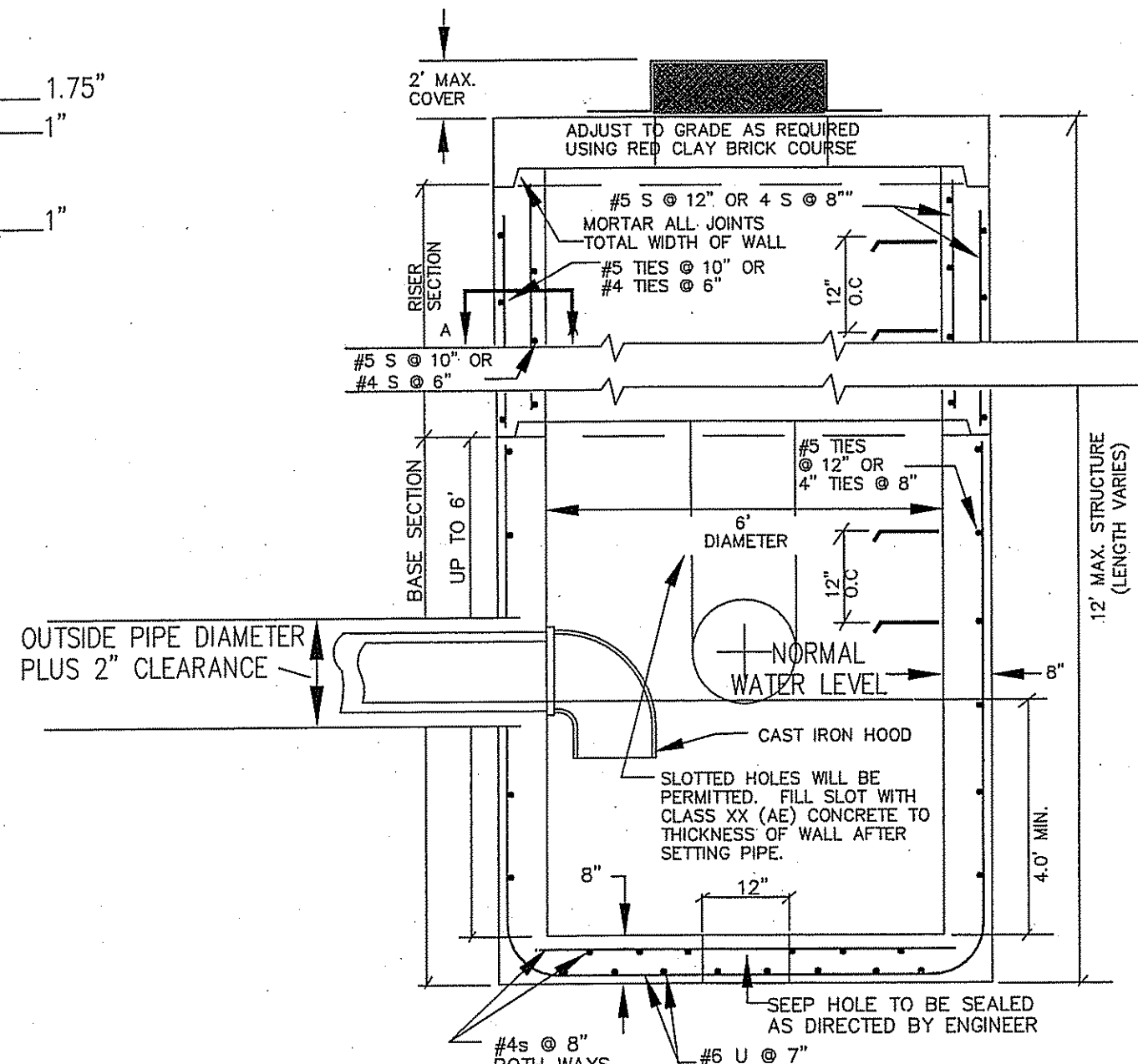
APPROXIMATE WEIGHTS:
 3 FLANGE FRAME & GRATE = 930 LBS.
 4 FLANGE FRAME & GRATE = 980 LBS.



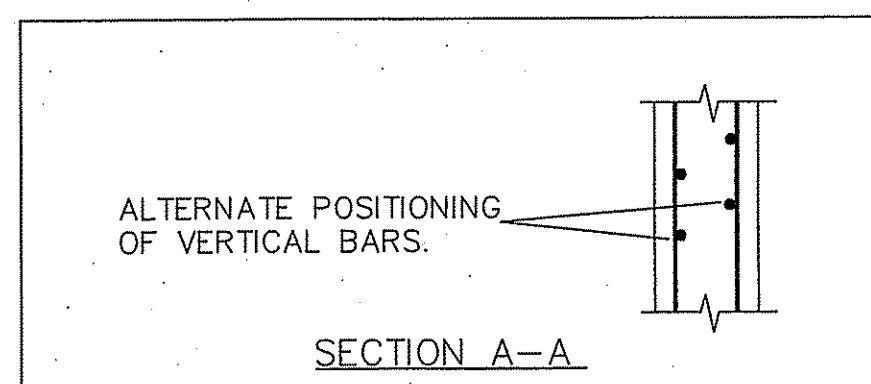
SECTION C-C



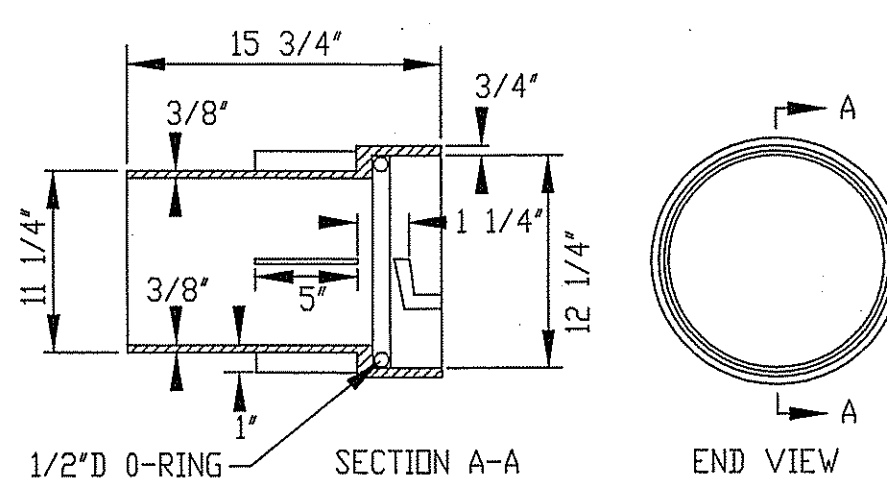
CATCH BASIN DOUBLE GRATE
 NOT TO SCALE



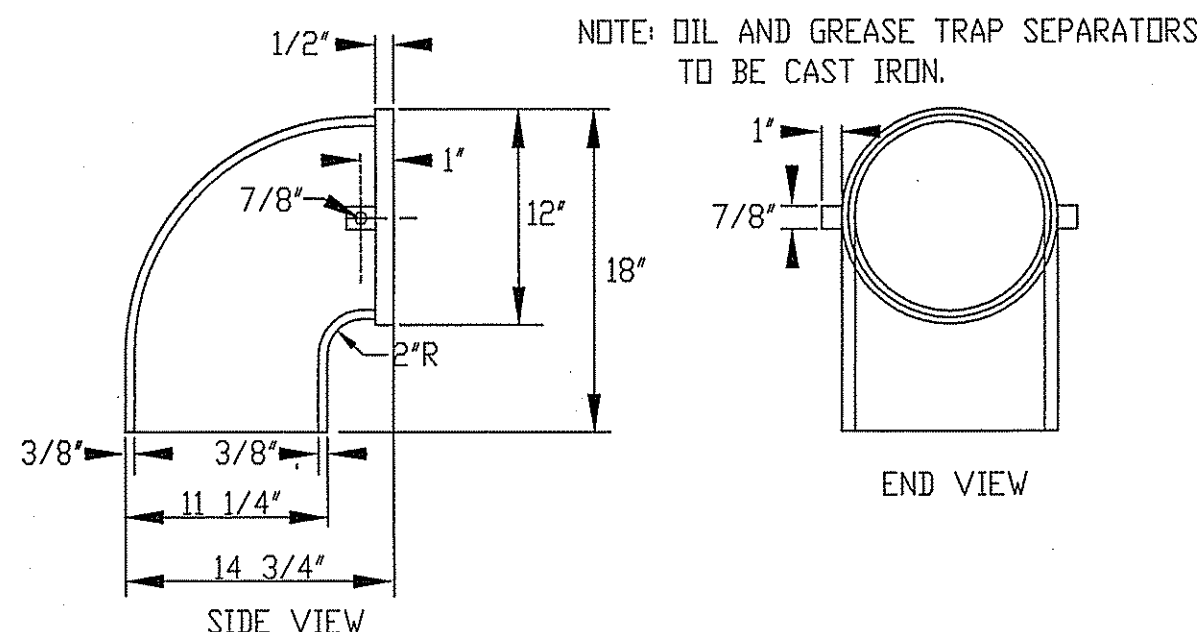
PRECAST DOUBLE GRATE CATCH BASIN
 (NOT TO SCALE)



SECTION A-A

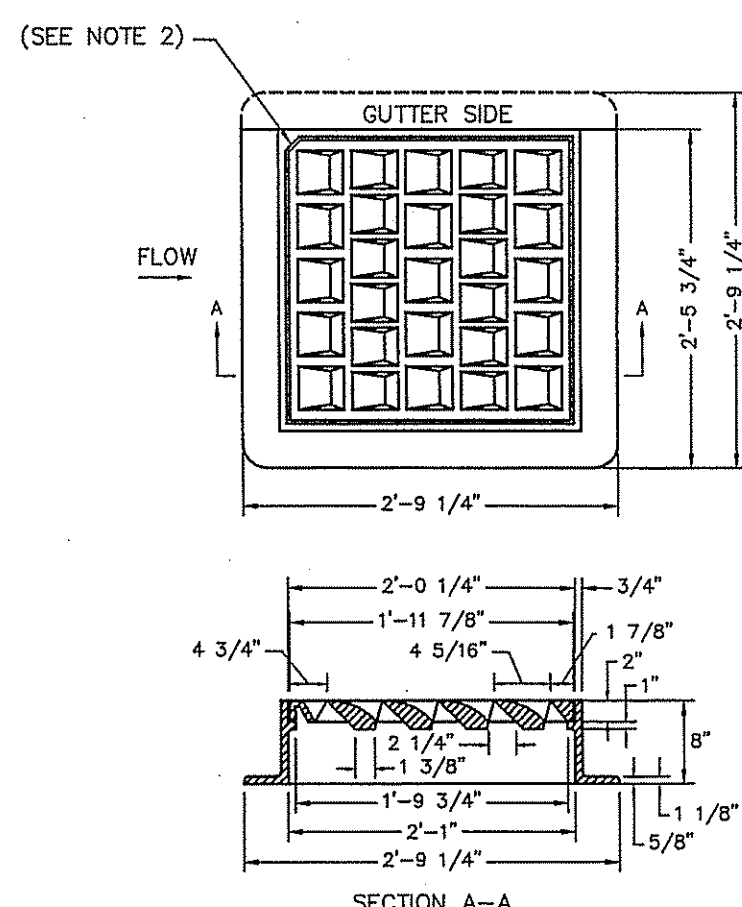


COLLAR



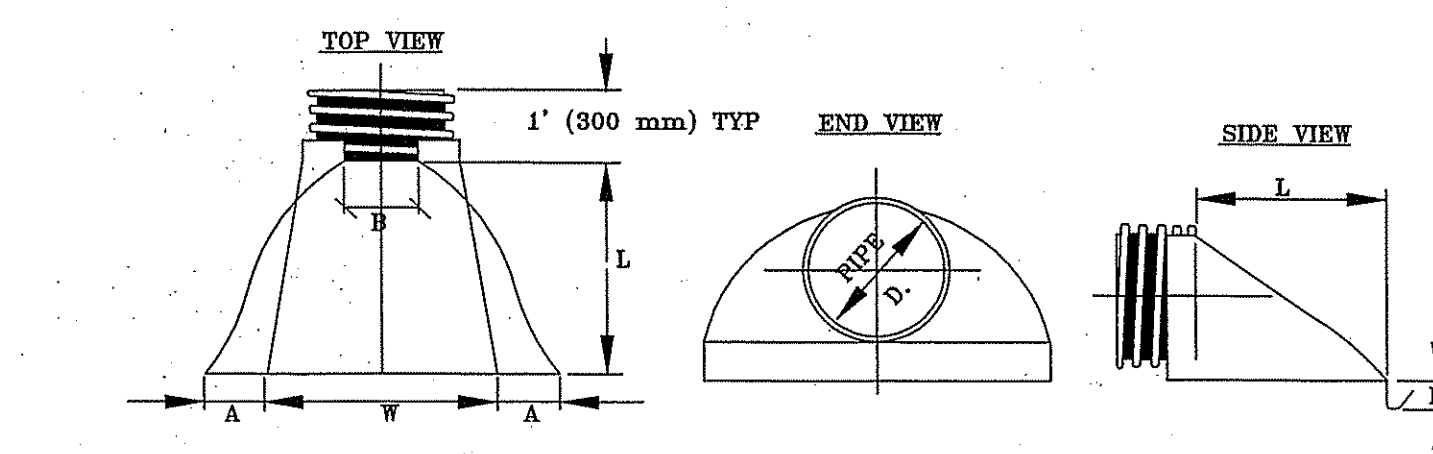
ELBOW

OIL & GREASE TRAP SEPARATOR



NOTES:
 1. FRAME AND COVER SHALL CONFORM TO SECTION M.04 OF THE R.I. STANDARD SPECIFICATIONS.
 2. THIS CORNER LEFT FOR "LEFT" GRATE, DIAGONALLY OPPOSITE CORNER FOR "RIGHT" GRATE TO FIT IN KEYS FRAME.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION
 HIGH CAPACITY FRAME AND GRATE
 BICYCLE SAFE
 (NOT TO SCALE)

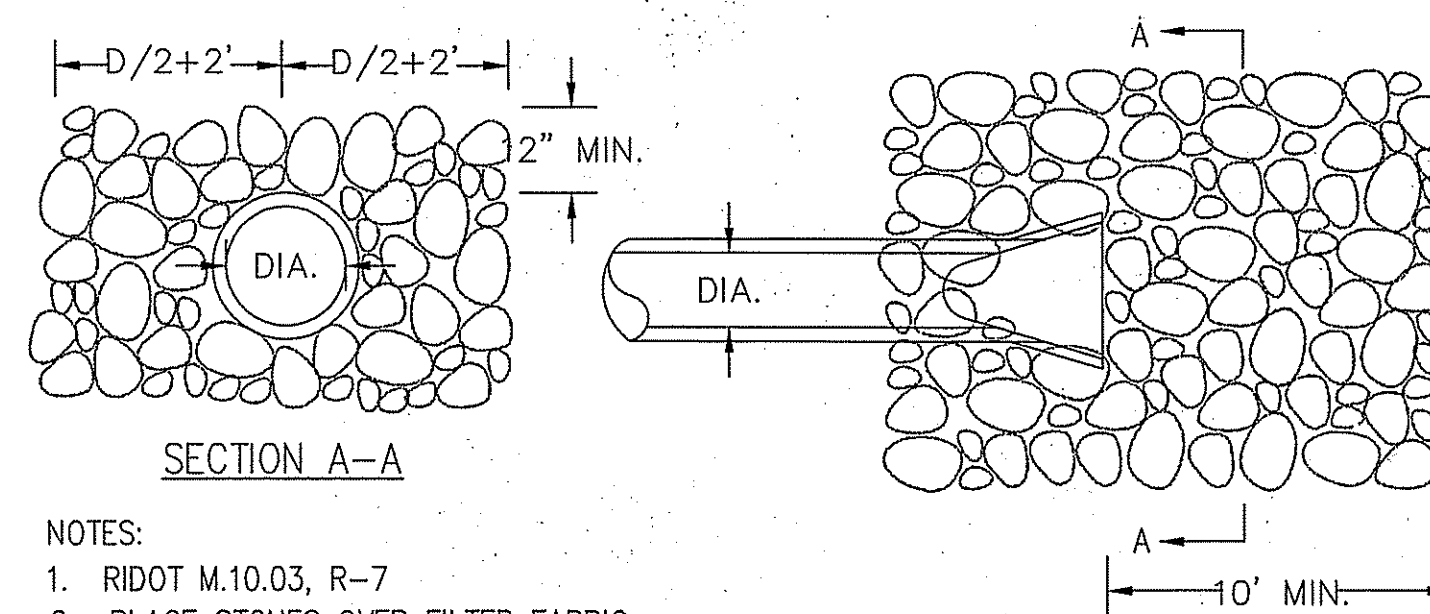


PIPE DIAMETER	DIMENSIONS, INCHES (MM)					
	PART NO.	A,±1(25)	B MAX	H,±(25)	L,±1/2 (13)	W,±2 (50)
12, 15 (300,375)	1210 NP	6.5(165)	10(254)	6.5(165)	25(635)	29(736)
18(450)	1810 NP	7.5(190)	15(380)	6.5(168)	32(812)	35(890)
24(600)	2410 NP	7.5(190)	18(450)	6.5(165)	36(900)	46(1140)
30(750)	3010 NP	10.5(266)	NA	7.0(178)	59(1346)	68(1725)
36(900)	3610 NP	10.5 (266)	NA	7.0(178)	53(1346)	68(1725)

INSTALLATION INSTRUCTIONS:

1. SPREAD THE END SECTION COLLAR AND PLACE IT OVER THE LAST PIPE CORRUGATION. MAKE SURE THE COLLAR SEATS PROPERLY IN THE CORRUGATION VALLEY.
2. INSERT THREADED ROD THROUGH THE PRE-DRILLED HOLES IN THE END SECTION COLLAR. TIGHTEN WING NUTS.
3. PLACE BACKFILL AROUND THE END SECTION AND OVER THE TOE PLATE. USE CARE DURING COMPACTION ALONG THE SIDES TO PREVENT DISTORTION.

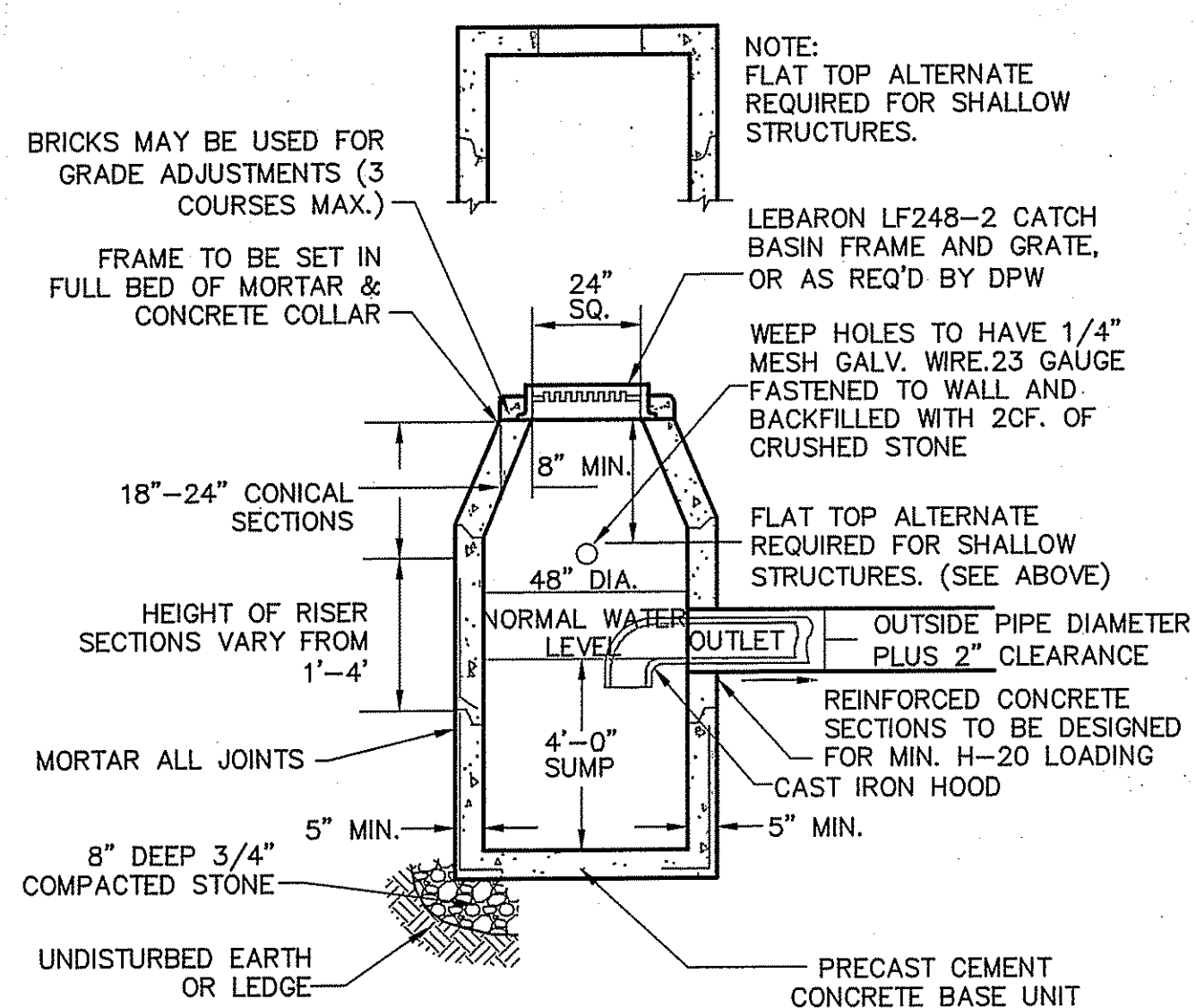
ADS END SECTION DIMENSIONS



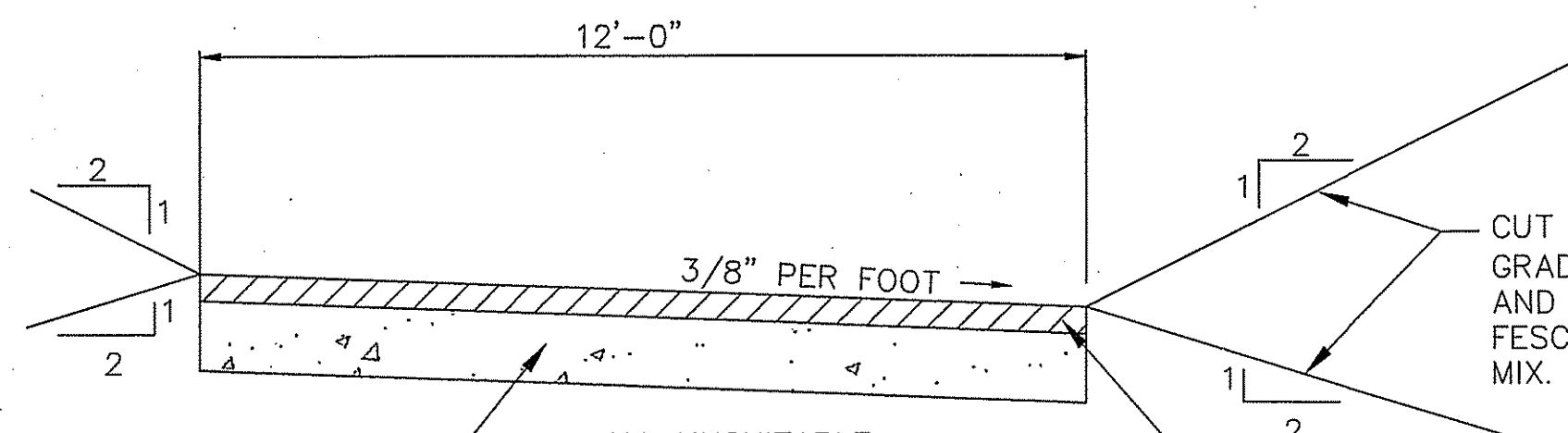
NOTES:
 1. RIDOT M.10.03, R-7
 2. PLACE STONES OVER FILTER FABRIC (AMOCO 4508 OR EQUAL)

STONE RIP-RAP FOR PIPE ENDS

(NOT TO SCALE)



PRECAST CONCRETE CATCH BASIN
 NOT TO SCALE

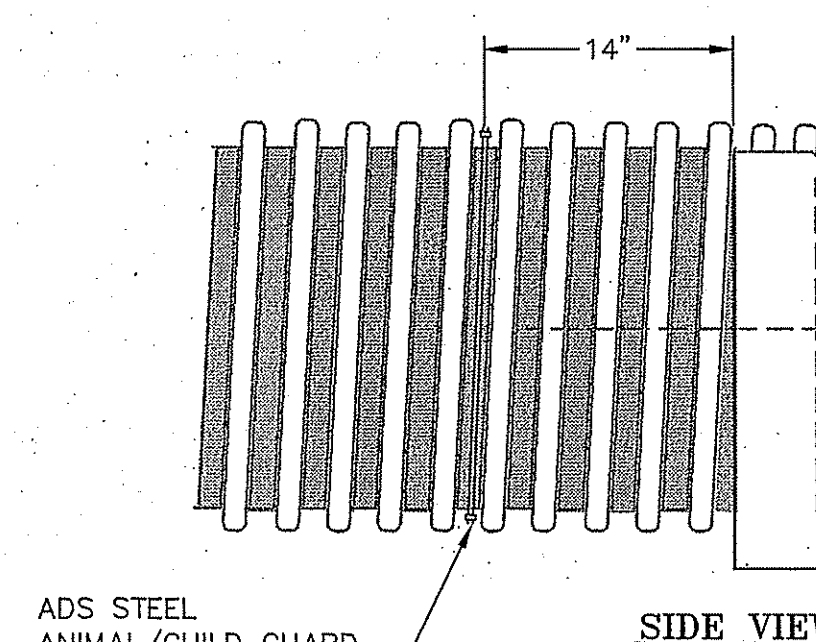


12" COMPACTED PROCESSED GRAVEL (3" MAX Ø) SUBBASE COURSE PLACED IN 6" LIFTS & COMPACTED (TYPE B M1.02.1)

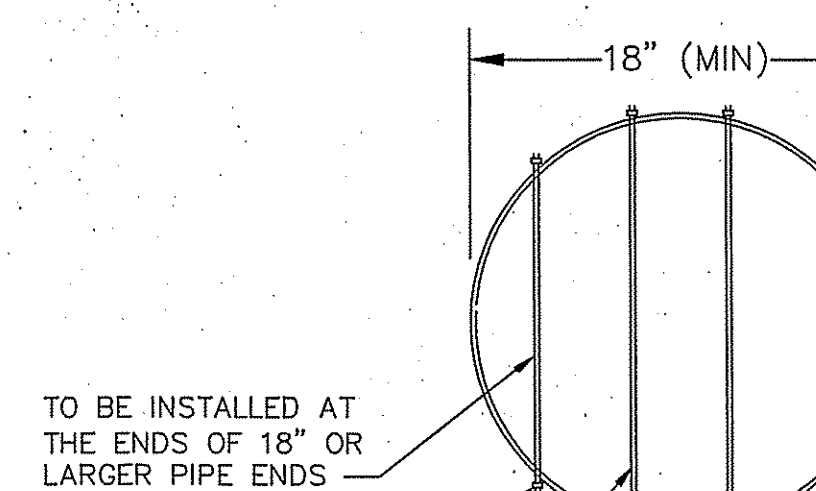
ORIGINAL ORGANIC FREE MATERIAL, OR TYPE B M01.03 TO SUBGRADE IN FILL.

TYPICAL STORMWATER BASIN ACCESS DRIVE

(NOT TO SCALE)



ADS STEEL ANIMAL/CHILD GUARD



ADS STEEL ANIMAL/CHILD GUARD

TO BE INSTALLED AT THE ENDS OF 18" OR LARGER PIPE ENDS
 LOCKING NUT (TYP)
 1/2" DIA. STAINLESS OR GALV. STEEL BAR, THREADED AT ENDS OR APPROVED EQUAL.
 NOTE: GRATE TO BE INSTALLED AT ENDS OF 18" OR LARGER PIPE ENDS.

ADS STEEL ANIMAL/CHILD GUARD
 (NOT TO SCALE)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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 APPROVED WITH CONDITIONS
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Charles A. [Signature]

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1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

SITE DETAILS

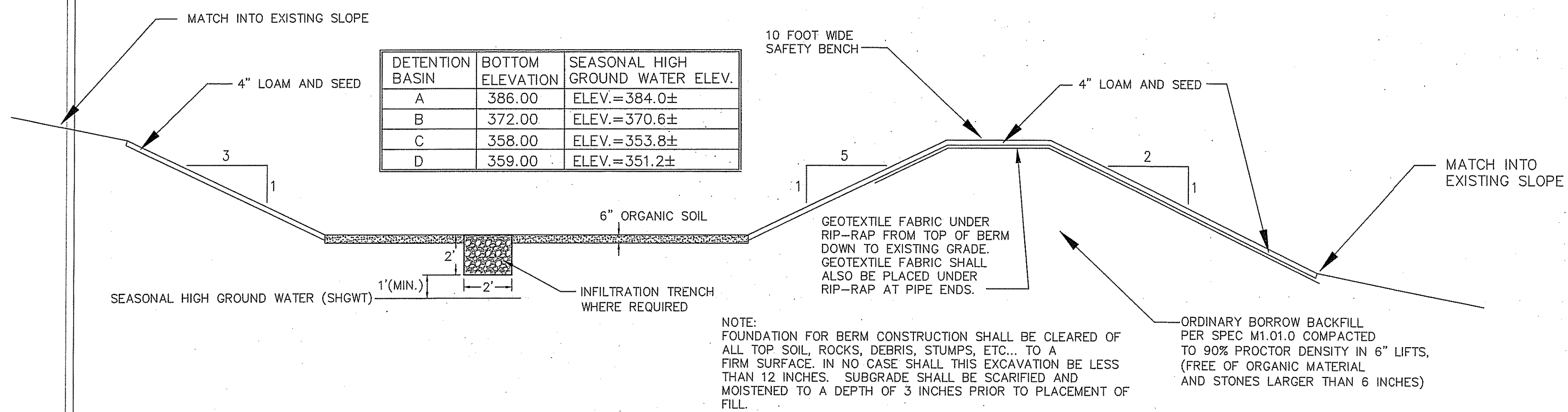
Prepared For [Signature]

C & L INVESTMENTS

SCALE: AS NOTED DATE: JULY 14, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
 DRAWN / CHECKED BY: MJV/CGP SHEET: 25 OF 31

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 8-29-08

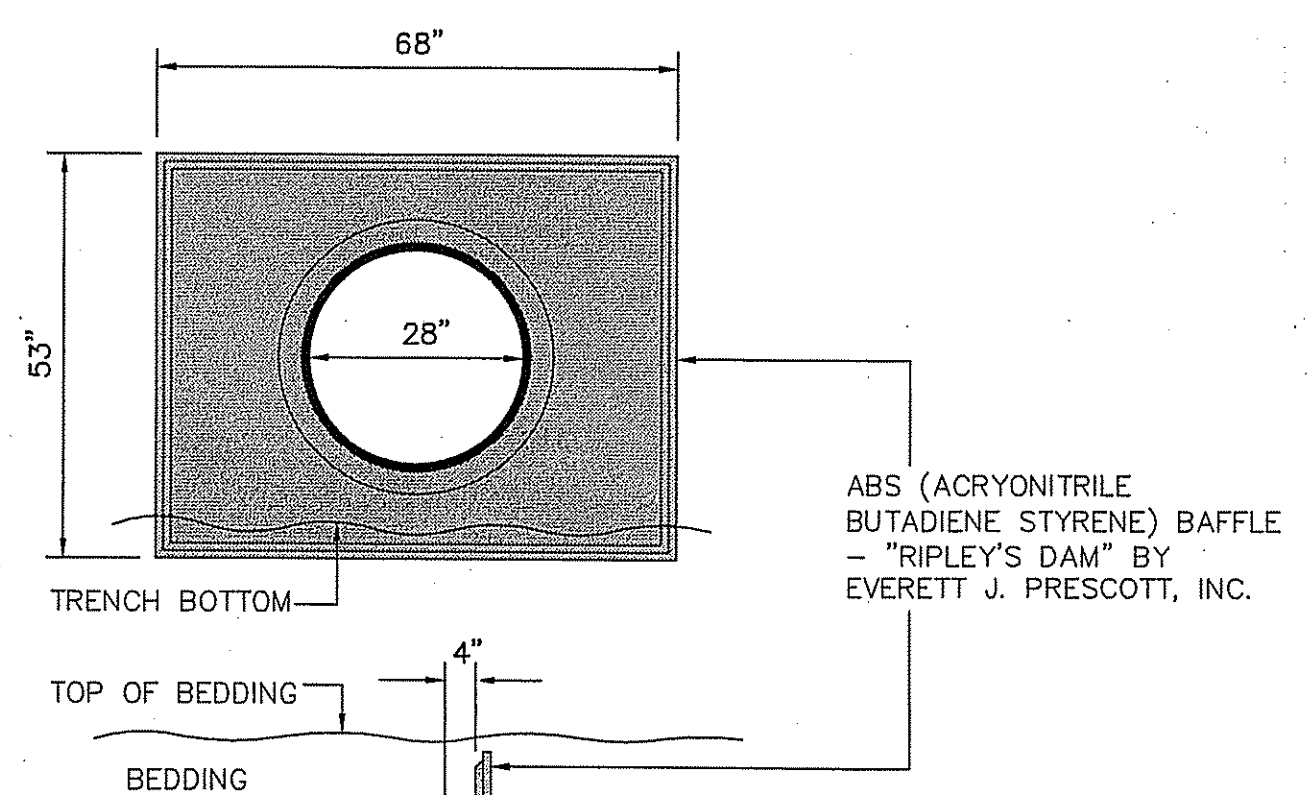
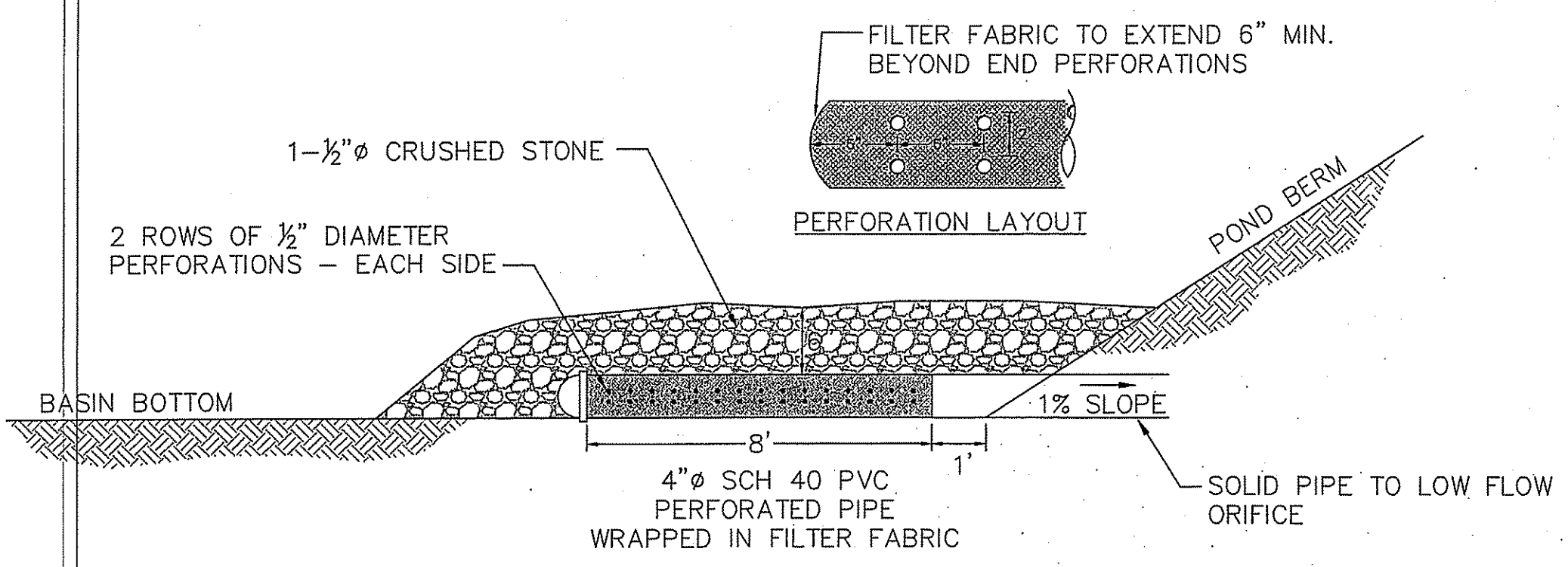


DETENTION BASIN	BOTTOM ELEVATION	SEASONAL HIGH GROUND WATER ELEV.
A	386.00	ELEV.=384.0±
B	372.00	ELEV.=370.6±
C	358.00	ELEV.=353.8±
D	359.00	ELEV.=351.2±

NOTE: FOUNDATION FOR BERM CONSTRUCTION SHALL BE CLEARED OF ALL TOP SOIL, ROCKS, DEBRIS, STUMPS, ETC... TO A FIRM SURFACE. IN NO CASE SHALL THIS EXCAVATION BE LESS THAN 12 INCHES. SUBGRADE SHALL BE SCARIFIED AND MOISTENED TO A DEPTH OF 3 INCHES PRIOR TO PLACEMENT OF FILL.

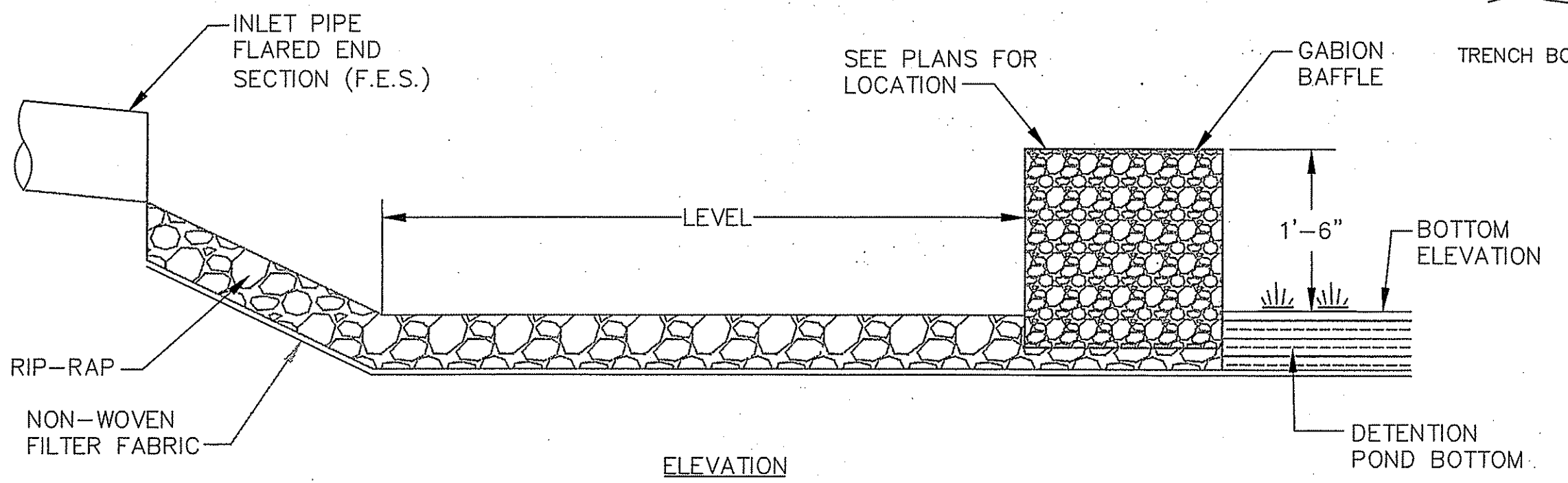
ORDINARY BORROW BACKFILL PER SPEC M1.01.0 COMPACTED TO 90% PROCTOR DENSITY IN 6" LIFTS. (FREE OF ORGANIC MATERIAL AND STONES LARGER THAN 6 INCHES)

TYPICAL DETENTION BASIN CROSS SECTION
(NOT TO SCALE)

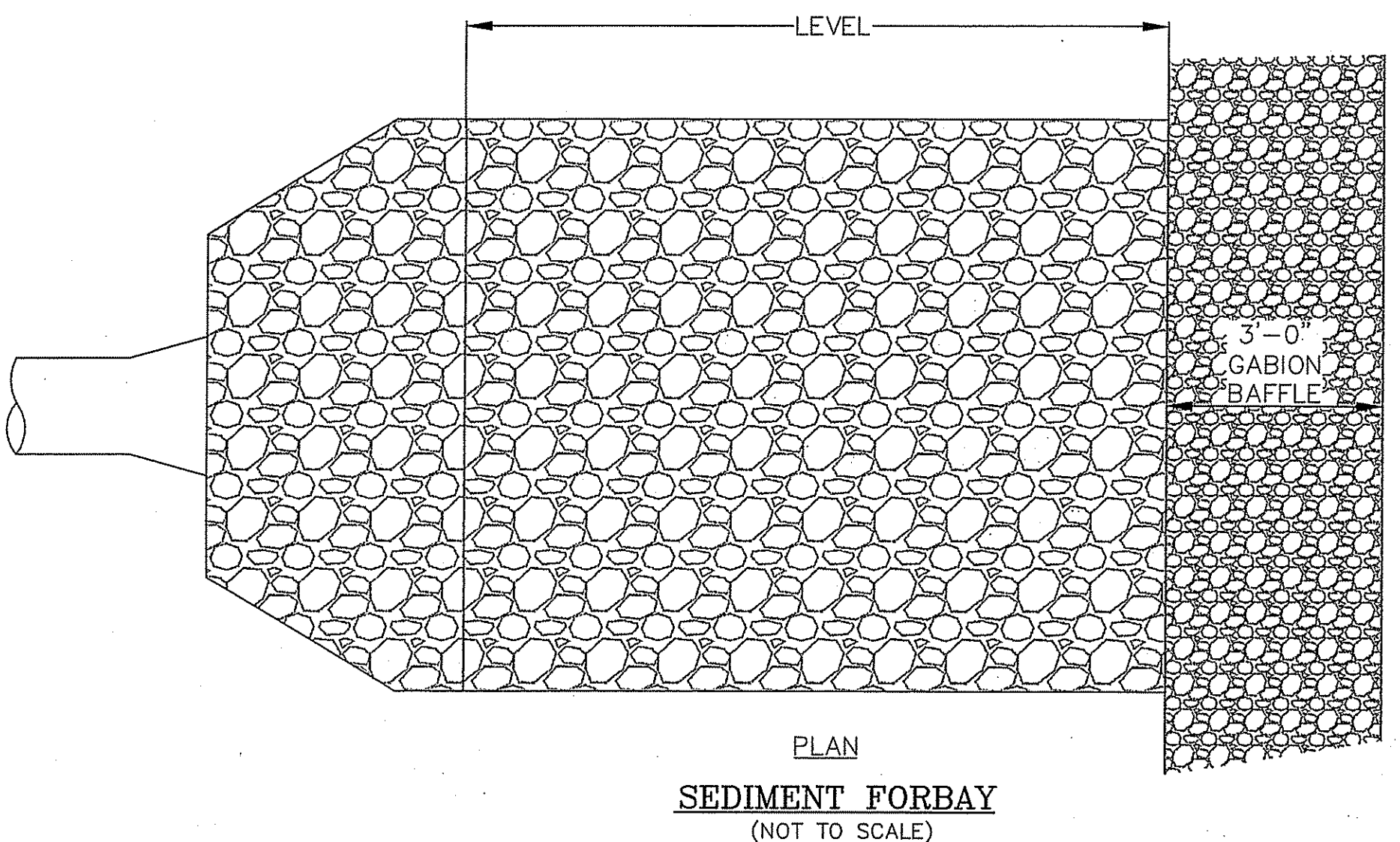
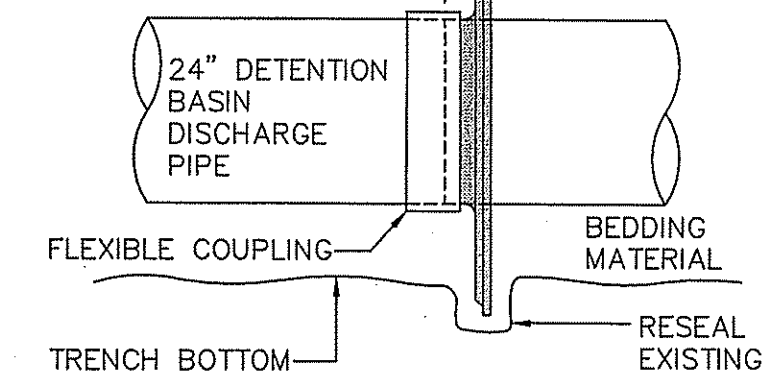


BAFFLES TO BE SELF-SUPPORTING AND PROVIDE A WATERTIGHT SEAL AROUND THE PIPE BY USE OF AN APPROPRIATELY SIZED ELASTOMERIC PVC FLEXIBLE COUPLING. BAFFLES SHALL FORM AN IMPENETRABLE BARRIER IN THE PIPE ENVELOPE TO THE FLOW OF WATER.

EXTENDED DETENTION OUTLET DETAIL
(NOT TO SCALE)



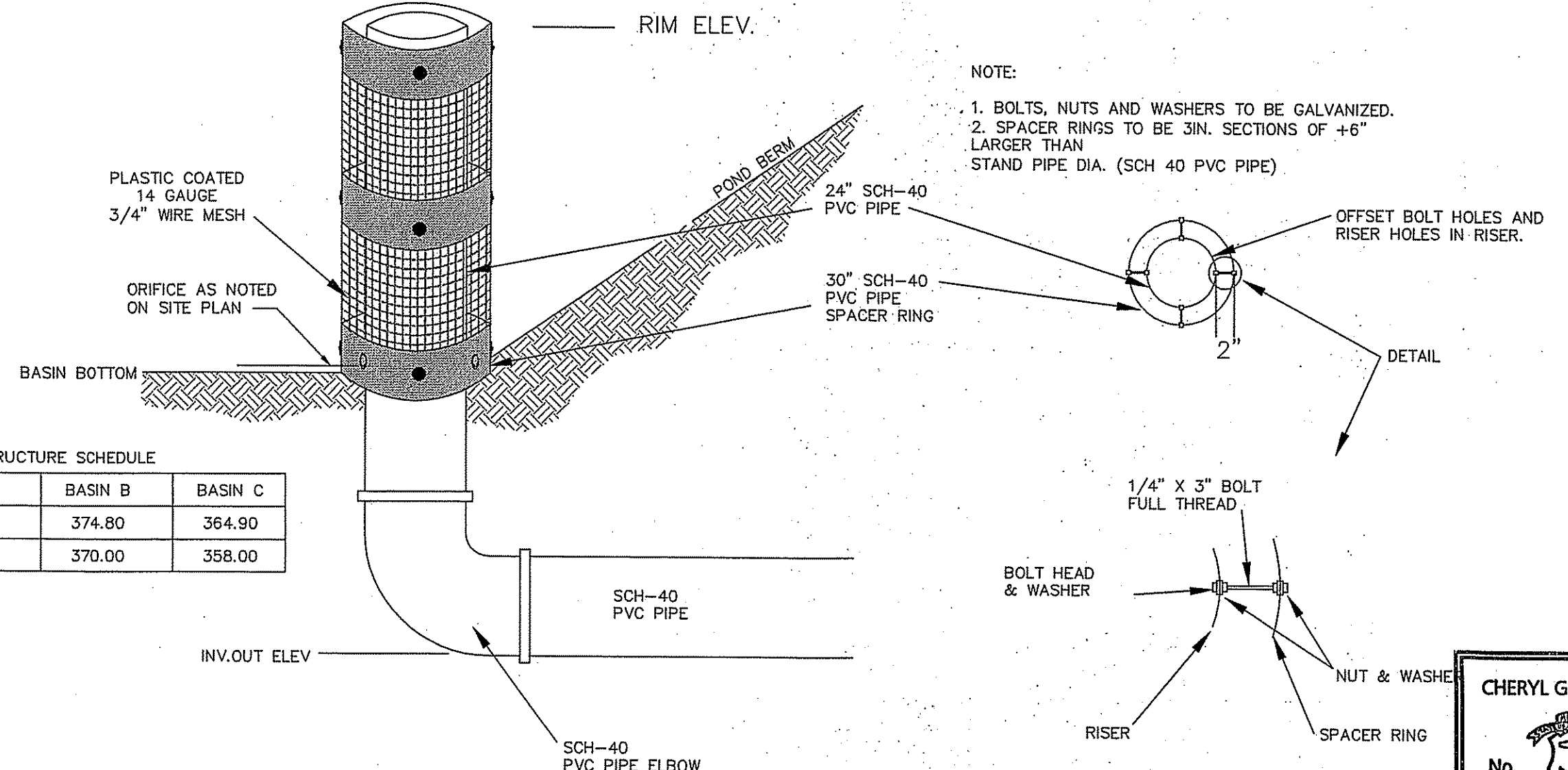
ANTI-SEEP COLLAR
NOT TO SCALE



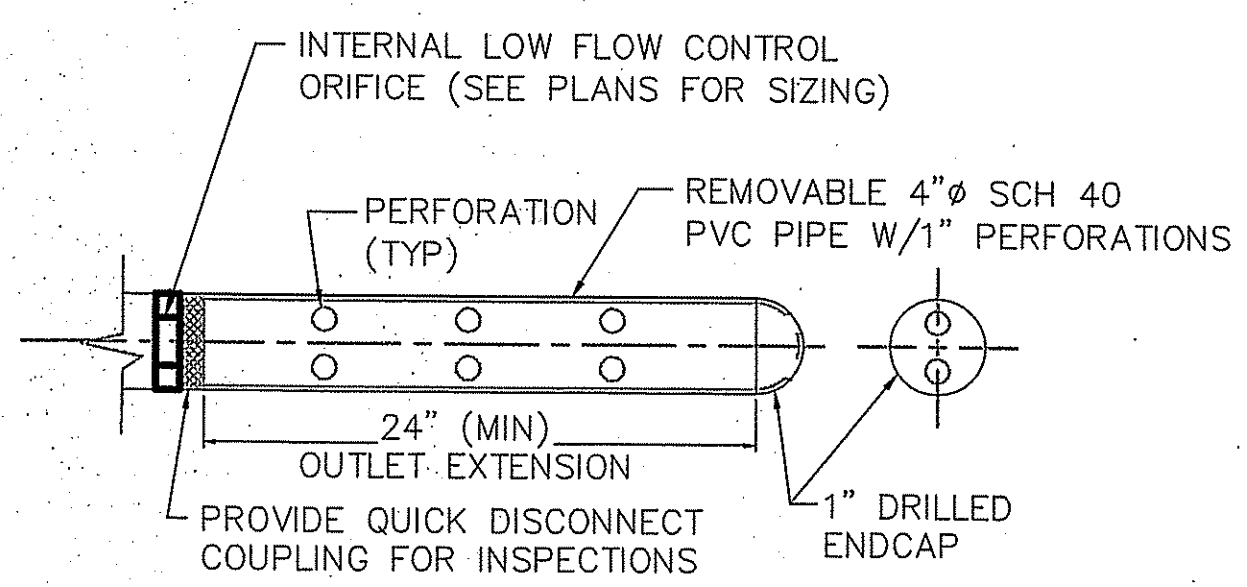
SEDIMENT FORBAY
(NOT TO SCALE)

OUTLET STRUCTURE SCHEDULE

	BASIN A	BASIN B	BASIN C
RIM ELEV.	389.40	374.80	364.90
OUTLET INV.	384.00	370.00	358.00



NOTE:
1. BOLTS, NUTS AND WASHERS TO BE GALVANIZED.
2. SPACER RINGS TO BE 3/16 IN. SECTIONS OF +6" LARGER THAN STAND PIPE DIA. (SCH 40 PVC PIPE)

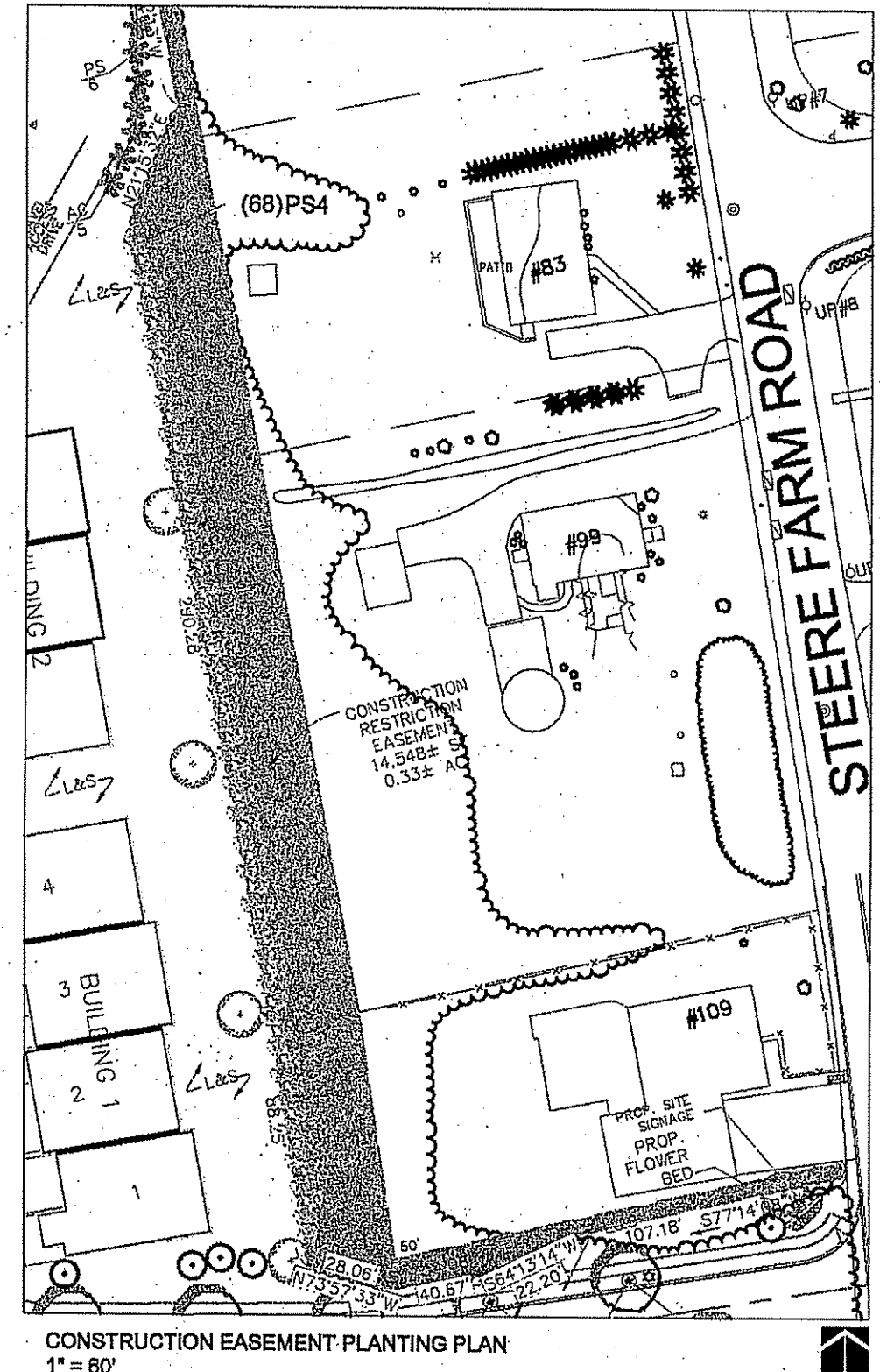


LOW FLOW PIPE WITH DRILLED END CAP
SCALE: 1/8" = 1"

PLANT SCHEDULE

EVERGREEN TREES	CODE	QTY	BOTANICAL/COMMON	CONT	SIZE
PS4	68		Pinus strobus / White Pine	B & B	5' - 6' HT.

NOTE: Trees transplanted from project area. Minimum height 5' to 6' and maximum height restricted to 8' to 9' to aid in transplanting success.



PINE RIDGE
Steere Farm Road
Burrillville, RI
Owner:
C & L Investments, LLC
DIANE C. SOULE & ASSOCIATES, ASLA
LANDSCAPE ARCHITECTS & PLANNERS

HERITAGE DESIGN GROUP, INC.
PLANNERS • SURVEYORS • ENGINEERS
8 COUNTRY WAY
N. SMITHFIELD, RI 02896
ONE MAIN STREET
WHITINSVILLE, MA 01888
TEL 508-266-2066
FAX 508-266-2067

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
PROPOSED WATER POLLUTION CONTROL
APPLICANT'S STATEMENT OF WORK
AT THE PINE RIDGE VILLAGE PLANNED DEVELOPMENT
PROJECT
OCT 31 2008
05-0313

Charles A. Hest

REVISIONS

NO.	DATE	DESCRIPTION	BY
14	8/29/08	PLANNING BOARD COMMENTS	ESW
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3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV

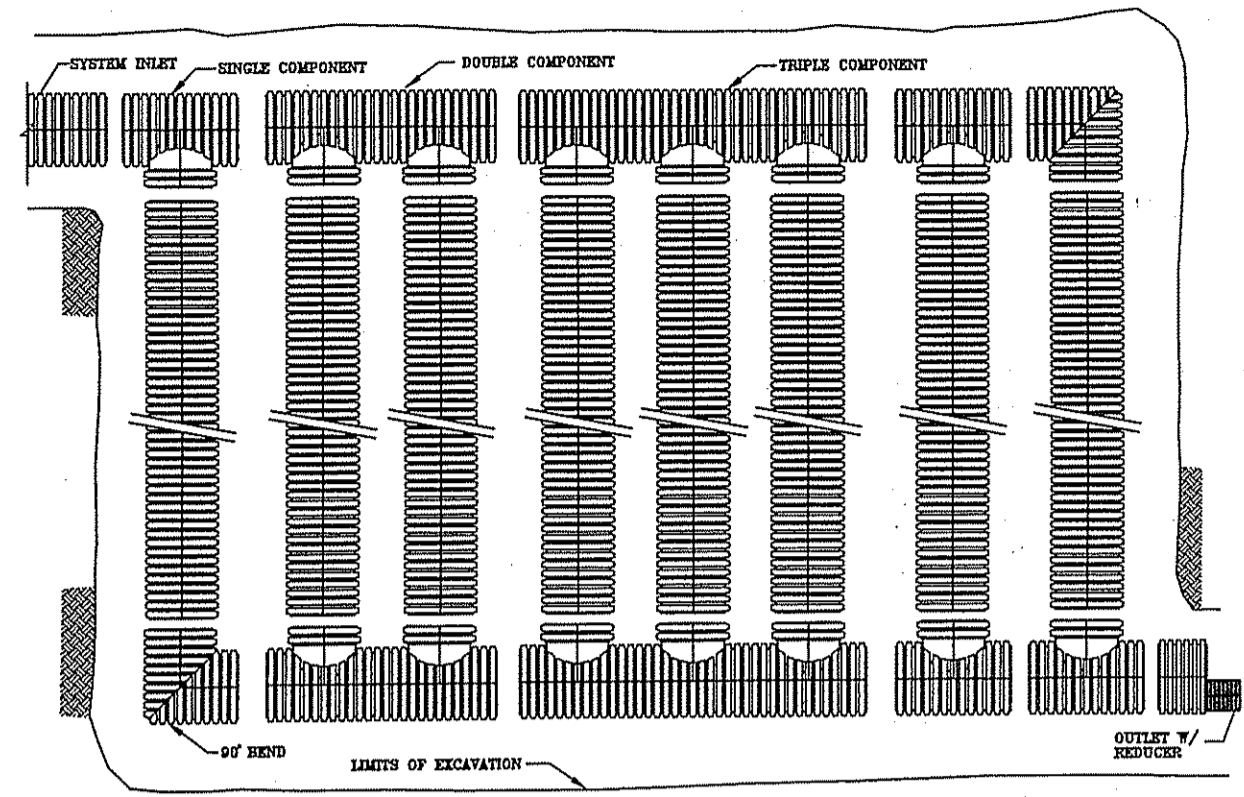
PINE RIDGE
PRELIMINARY PLAN
MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

SITE DETAILS

Prepared For
C & L INVESTMENTS
SCALE: AS NOTED DATE: JULY 14, 2005
JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
DRAWN / CHECKED BY: MJV/CGP SHEET: 26 OF 31

CHERYLL G. PETERSON
No. 6493
REGISTERED PROFESSIONAL ENGINEER
STATE OF RHODE ISLAND

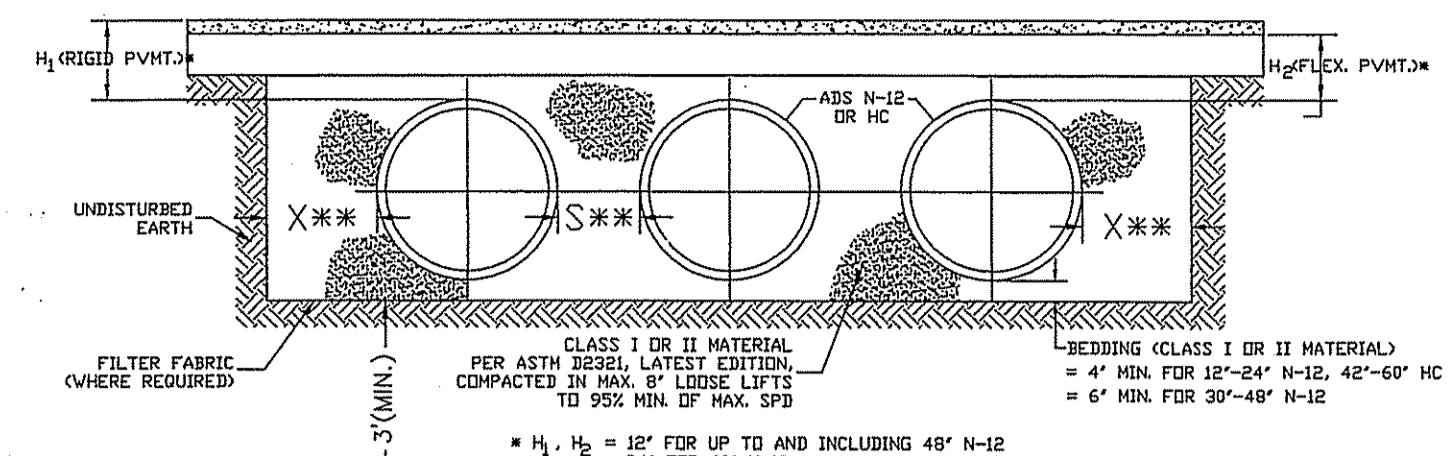
TYPICAL SUBSURFACE INFILTRATION SYSTEM LAYOUT



NOTES
 FOR MORE DETAILED INFORMATION, SEE ADS TECHNICAL NOTE S.120, "STORM WATER RETENTION/RETENTION SYSTEM DESIGN".
 1. IF NECESSARY, C&L SHOULD BE CONSULTED FOR THE ADS STORM WATER RETENTION/RETENTION DESIGN TOOL CD ROM, AVAILABLE FROM YOUR LOCAL ADS SALES REPRESENTATIVE.
 FOR ADDITIONAL DETAILS, SEE ADS STD-702 & STD-703.

REVISIONS	BY	DATE

TYPICAL SUBSURFACE INFILTRATION SYSTEM CROSS SECTION



NOMINAL DIAMETER	MINIMUM X	MINIMUM S
12"	0.69'	1.10'
15"	0.68'	1.07'
18"	0.74'	1.19'
24"	0.84'	1.67'
30"	1.5'	2.23'
36"	1.5'	2.09'
42"	1.5'	2.10'
48"	1.5'	2.11'
60"	1.5'	2.67'

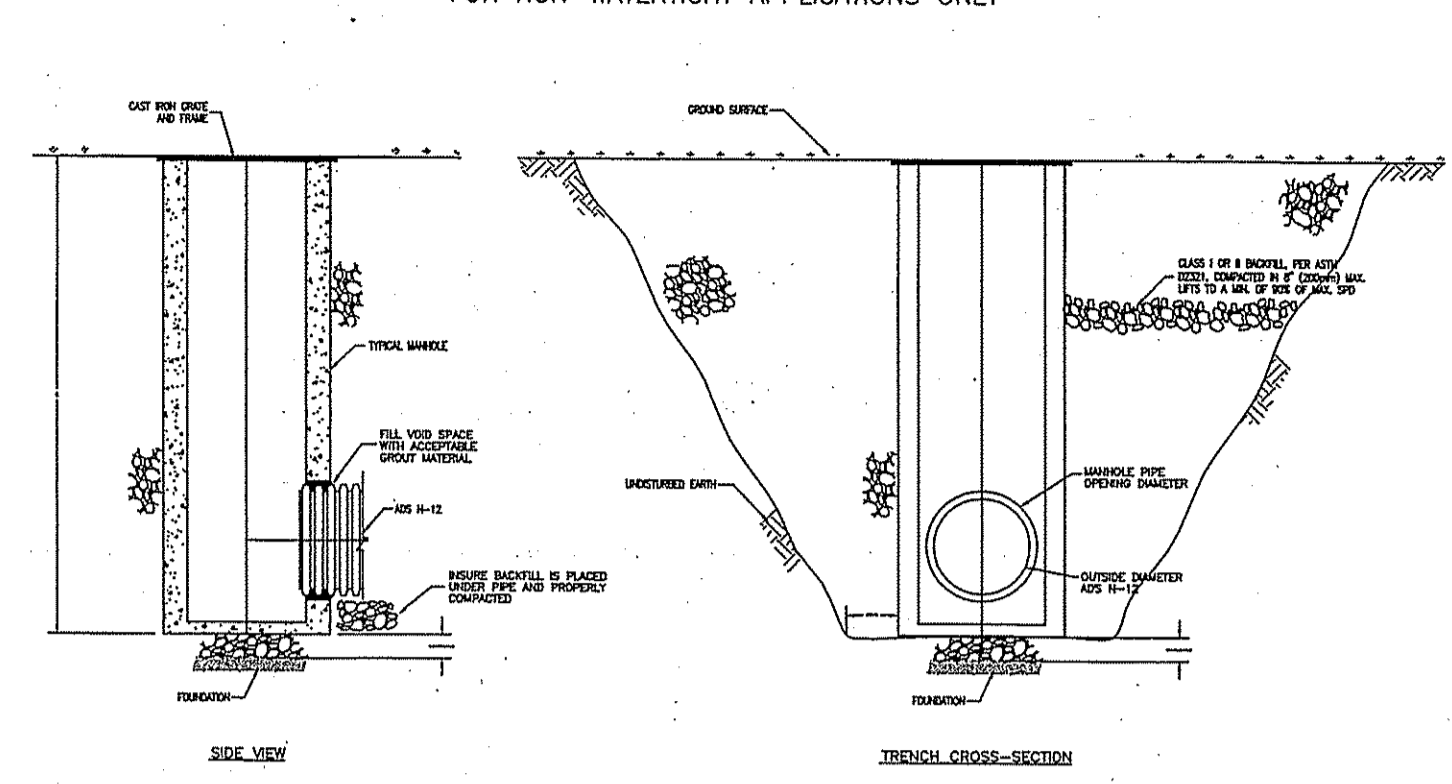
NOTES
 1. ALL RETENTION AND DEFLECTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2051, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. FOR MORE DETAILED INFORMATION, SEE ADS TECHNICAL NOTE S.120, "STORM WATER RETENTION/RETENTION SYSTEM DESIGN".

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

REVISIONS	BY	DATE

INFILTRATION SYSTEM	BOTTOM ELEVATION	SEASONAL HIGH GROUND WATER ELEV.
A	391.8±	ELEV.=388.6±
B	374.8±	ELEV.=371.0±
C	354.5±	ELEV.=350.6±

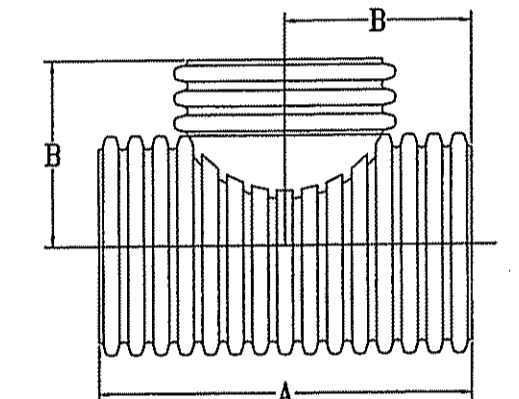
GRouted MANHOLE CONNECTION FOR NON-WATERTIGHT APPLICATIONS ONLY



DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

REVISIONS	BY	DATE

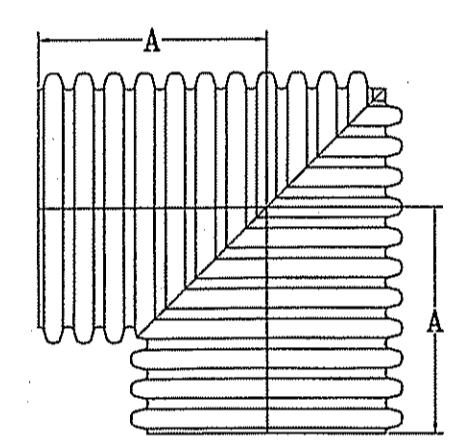
N-12 FABRICATED MANIFOLD TEES



PART #	PIPE SIZE	A	B
1251AN	12"	27.60"	13.80"
300 mm	701 mm	351 mm	
1551AN	15"	30.38"	15.18"
375 mm	771 mm	386 mm	
1851AN	18"	35.42"	17.71"
450 mm	900 mm	450 mm	
2451AN	24"	43.54"	21.77"
600 mm	1106 mm	553 mm	
3051AN	30"	61.80"	30.9"
750 mm	1570 mm	785 mm	
3651AN	36"	66.82"	33.41"
900 mm	1697 mm	849 mm	
4251AN	42"	82.74"	41.37"
1050 mm	2101 mm	1051 mm	

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

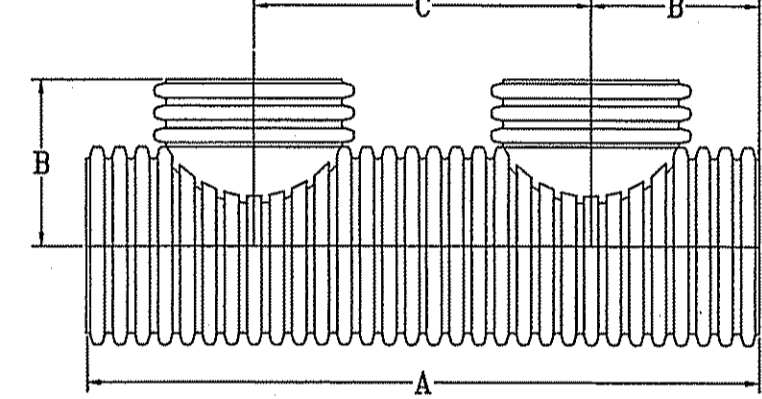
N-12 MANIFOLD 90° BENDS



PART #	PIPE SIZE	A
1298AN	12"	13.80"
300 mm	300 mm	351 mm
1598AN	15"	15.18"
375 mm	375 mm	386 mm
1898AN	18"	17.71"
450 mm	450 mm	450 mm
2498AN	24"	21.77"
600 mm	600 mm	553 mm
3098AN	30"	30.90"
750 mm	750 mm	785 mm
3698AN	36"	33.41"
900 mm	900 mm	849 mm
4298AN	42"	41.37"
1050 mm	1050 mm	1051 mm

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

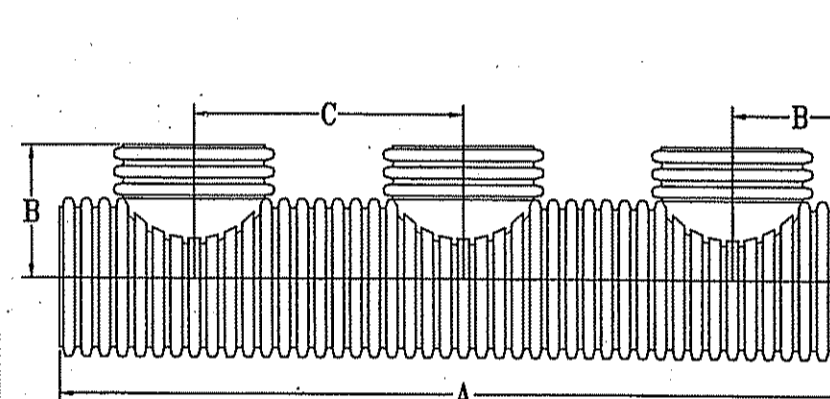
N-12 DOUBLE MANIFOLD COMPONENTS



PART #	PIPE SIZE	A	B	C
1252AN	12"	55.20"	13.80"	27.60"
300 mm	1492 mm	351 mm	701 mm	
1552AN	15"	60.72"	15.18"	30.38"
375 mm	1542 mm	386 mm	771 mm	
1852AN	18"	70.84"	17.71"	35.42"
450 mm	1799 mm	450 mm	900 mm	
2452AN	24"	87.08"	21.77"	43.54"
600 mm	2212 mm	553 mm	1106 mm	
3052AN	30"	123.8"	30.9"	61.80"
750 mm	3139 mm	785 mm	1570 mm	
3652AN	36"	133.84"	33.41"	66.82"
900 mm	3394 mm	849 mm	1697 mm	
4252AN	42"	165.48"	41.37"	82.74"
1050 mm	4203 mm	1051 mm	2101 mm	

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

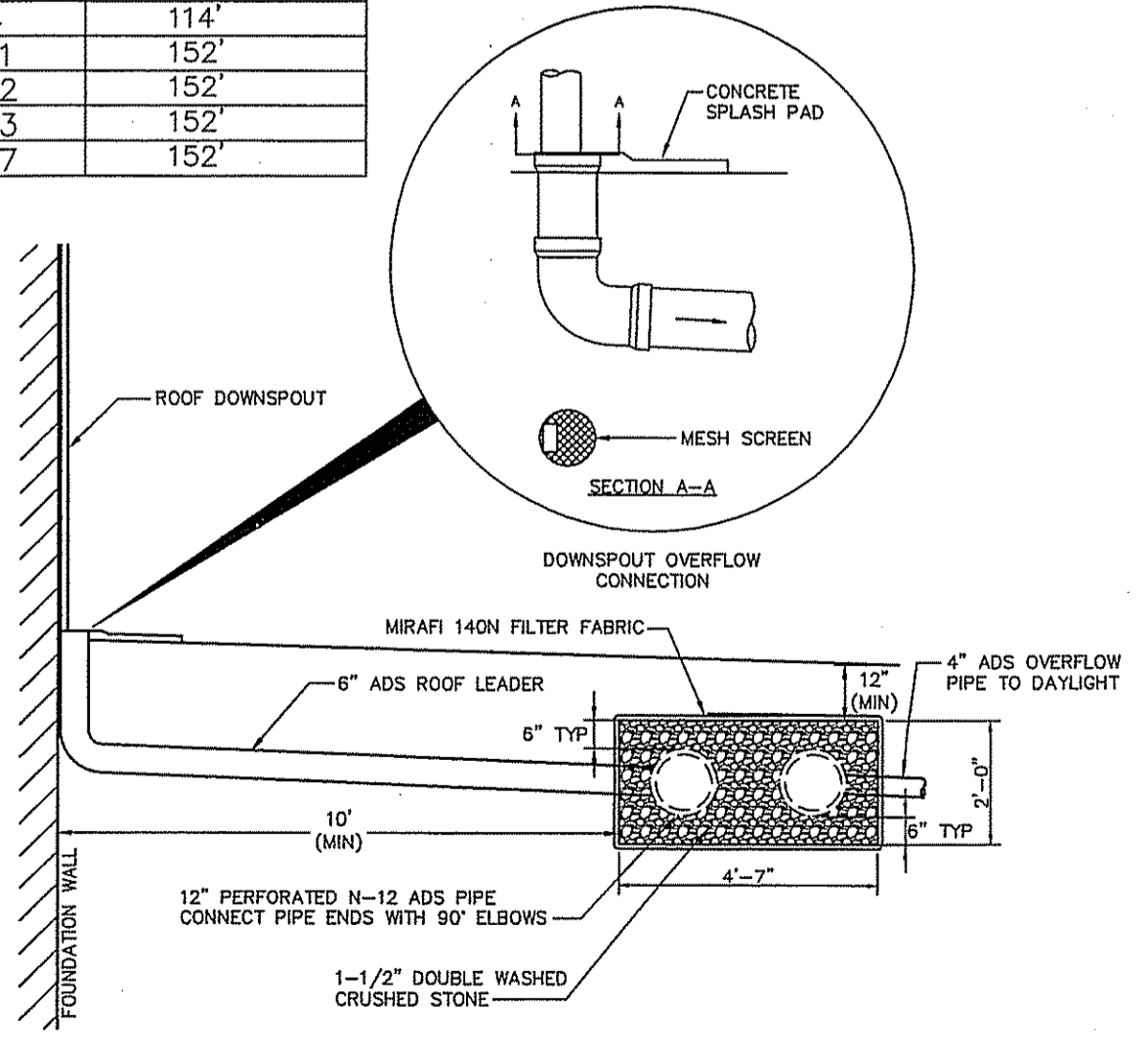
N-12 TRIPLE MANIFOLD COMPONENTS



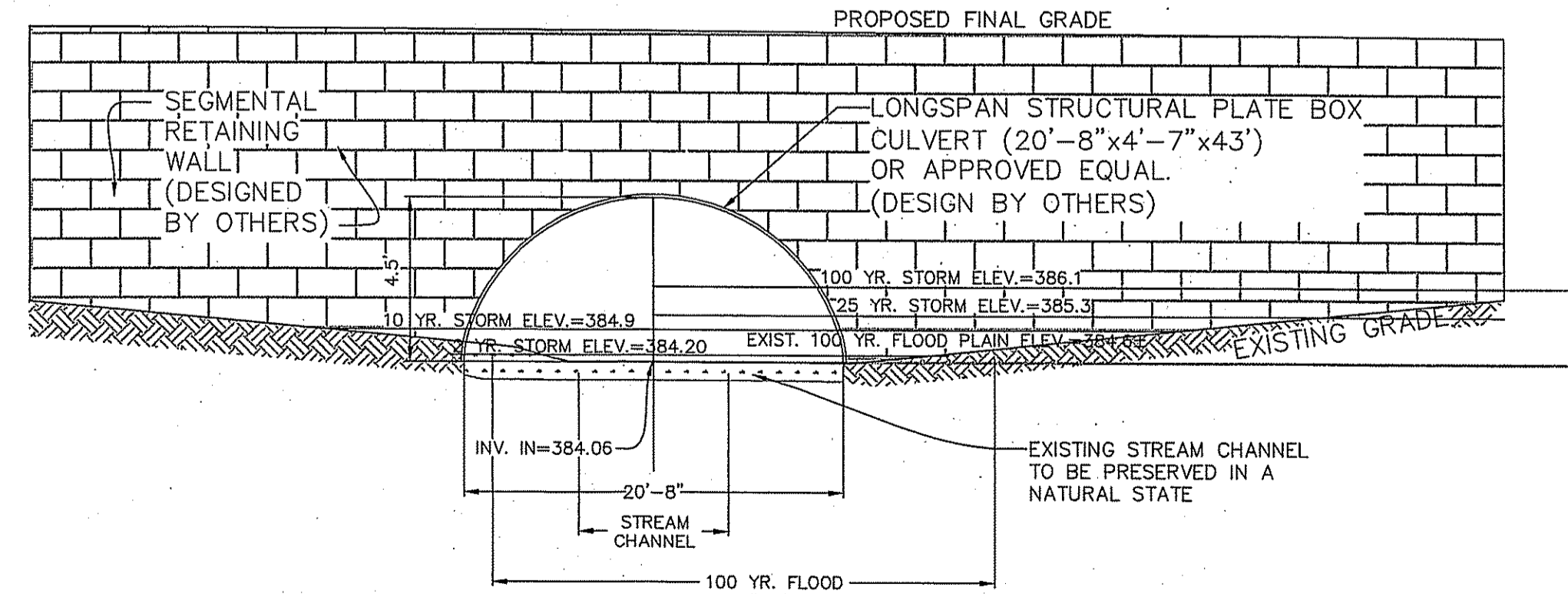
PART #	PIPE SIZE	A	B	C
1253AN	12"	82.80"	13.80"	27.60"
300 mm	2103 mm	351 mm	701 mm	
1553AN	15"	91.08"	15.18"	30.38"
375 mm	2313 mm	386 mm	771 mm	
1853AN	18"	106.28"	17.71"	35.42"
450 mm	2699 mm	450 mm	900 mm	
2453AN	24"	130.62"	21.77"	43.54"
600 mm	3318 mm	553 mm	1106 mm	
3053AN	30"	185.40"	30.90"	61.80"
750 mm	4709 mm	785 mm	1570 mm	
3653AN	36"	200.48"	33.41"	66.82"
900 mm	5002 mm	849 mm	1697 mm	

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

BUILDING #	ROOF DRAIN TRENCH LENGTH
3	114'
4	114'
11	152'
12	152'
13	152'
17	152'

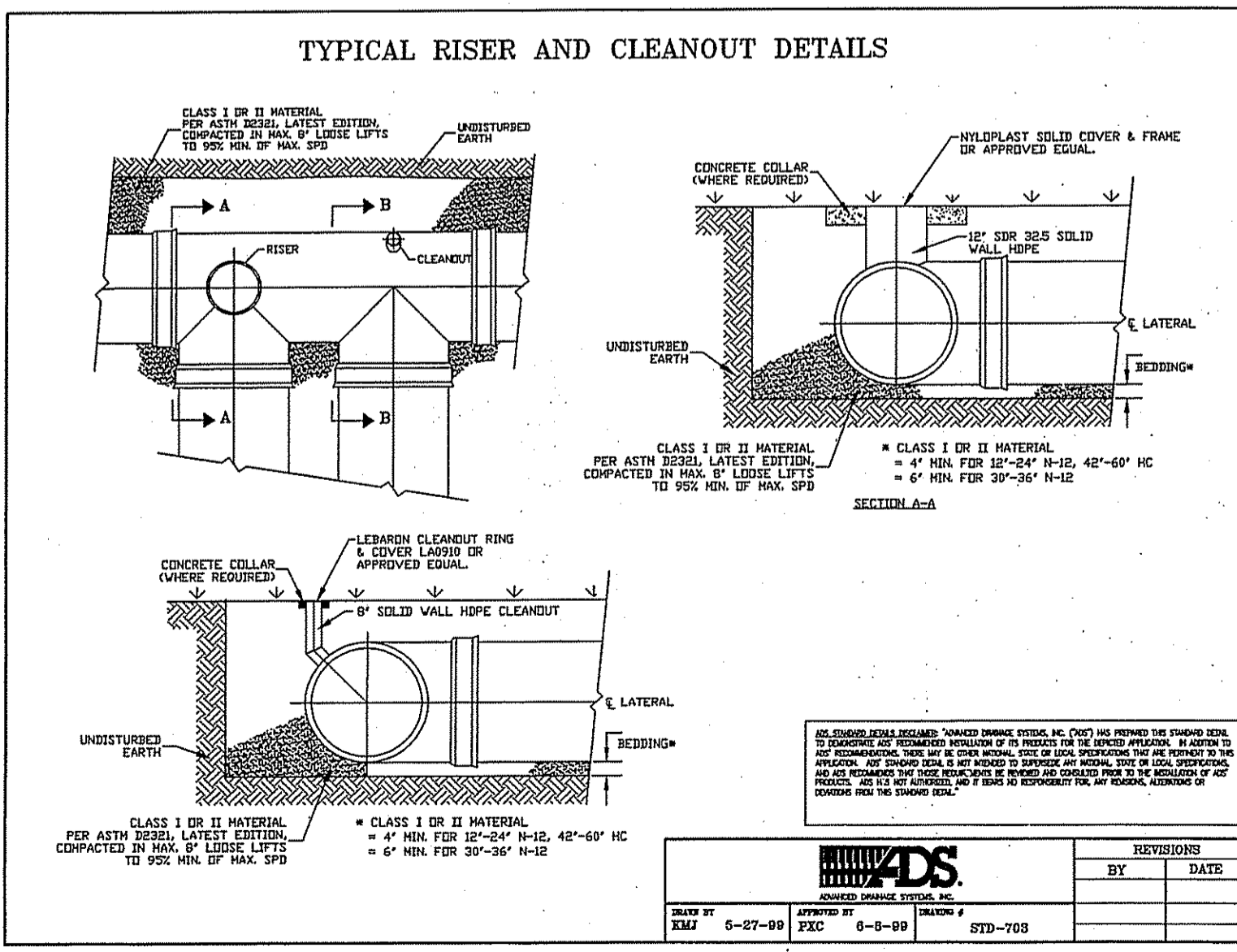


ROOF INFILTRATION TRENCH (NOT TO SCALE)



ARCH CULVERT CROSS SECTION SCALE: 1"=4'

ARCH CULVERT NOTES:
 1. DIMENSIONS ARE TO THE INSIDE CORRUGATION CREST UNLESS NOTED OTHERWISE.
 2. ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.



DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 6-29-08

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAN STREET
 N. SMITHFIELD, RI 02896 WHITINGVILLE, MA 01885
 TEL 508-266-2066
 FAX 508-266-2067

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # OS-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Charles A. Harkin

REVISIONS			
14	8/29/08	PLANNING BOARD COMMENTS	ESW
13	3/06/08	DPW COMMENTS	FJO
12	1/02/08	PLANNING BOARD COMMENTS	FJO
11	3/12/07	DEM REVISIONS	ESW
10	01/09/07	DEM REVISIONS	ESW
9	10/11/06	DEM & PB REVISIONS	ESW
8	9/8/06	PLANNING BOARD REVISIONS	WCN
7	8/4/06	RIDOT COMMENT	ESW
6	5/26/06	RIDOT COMMENT	WCN
5	5/15/06	DEM COMMENTS	WCN
4	4/14/06	RIDOT COMMENTS	WCN
3	3/27/06	RIDOT COMMENTS	WCN
2	1/12/06	DEM COMMENTS	WCN
1	8/10/05	DEM COMMENTS	MJV
NO.	DATE	DESCRIPTION	BY

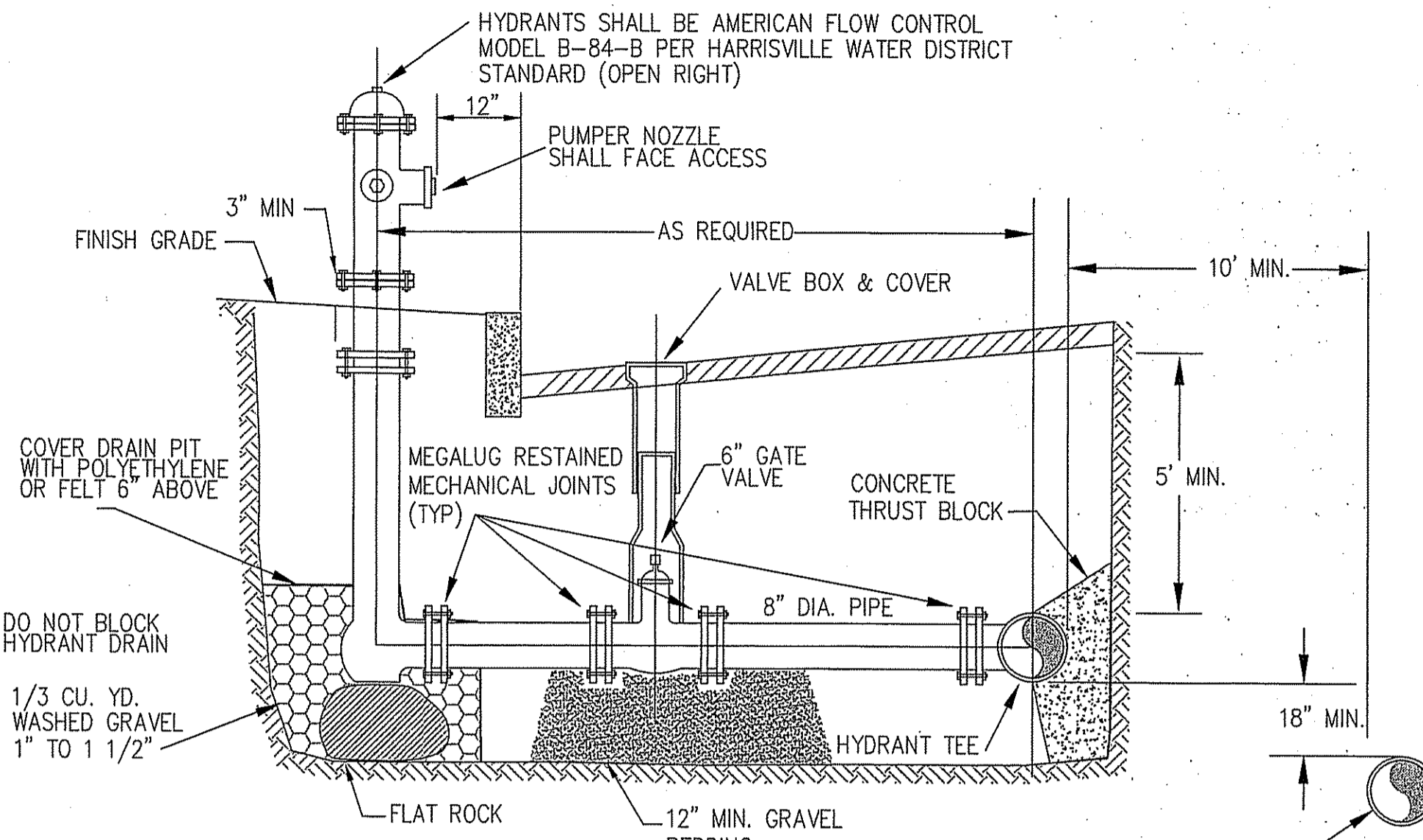
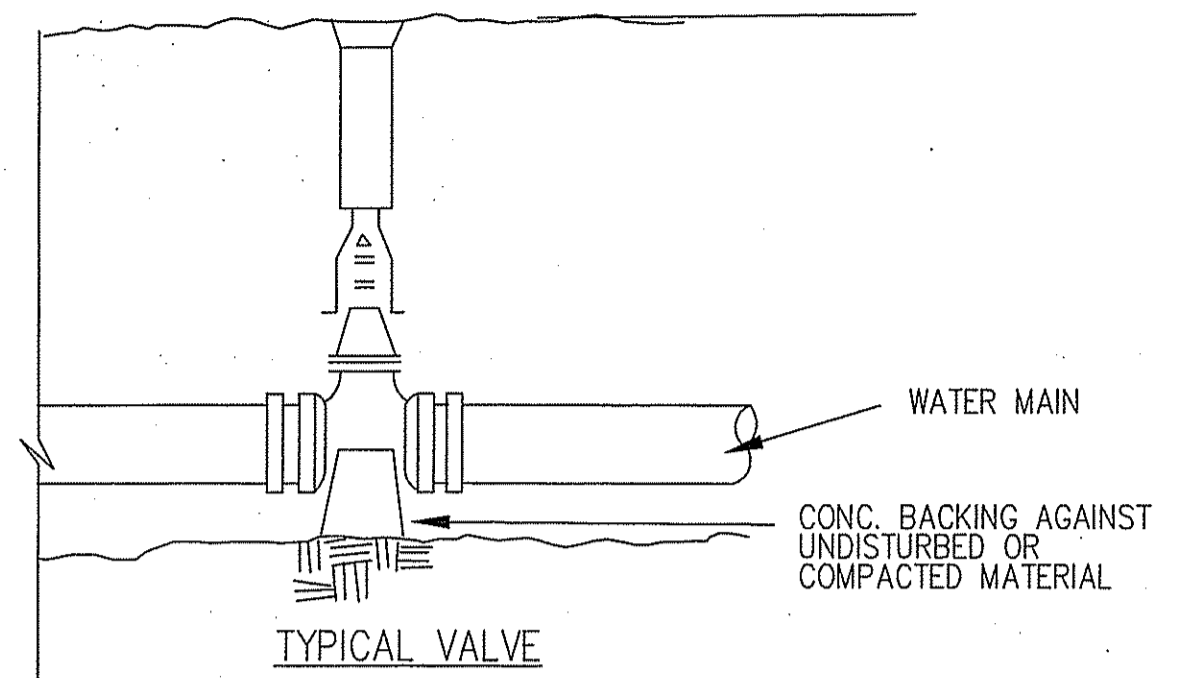
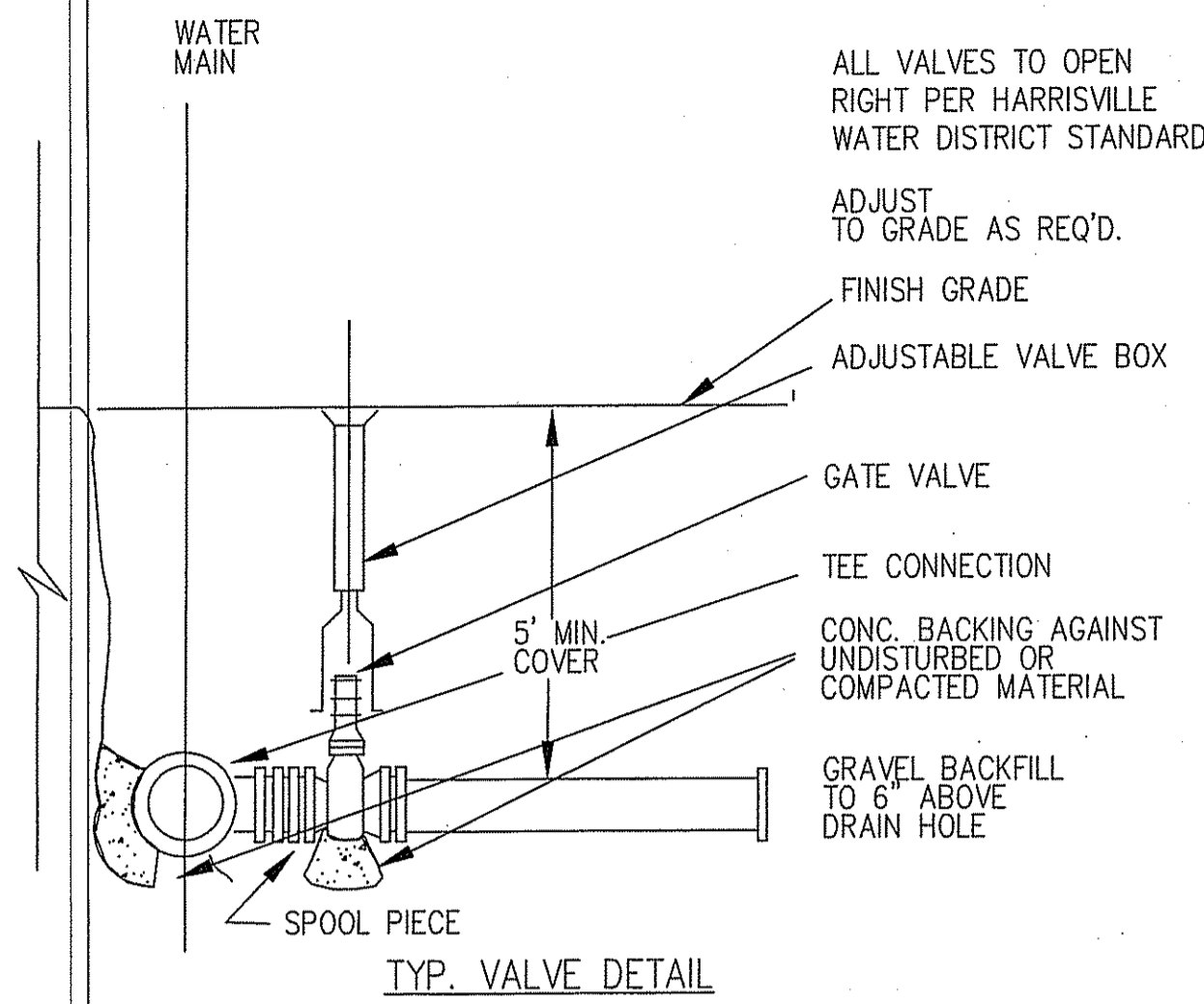
PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

SITE DETAILS

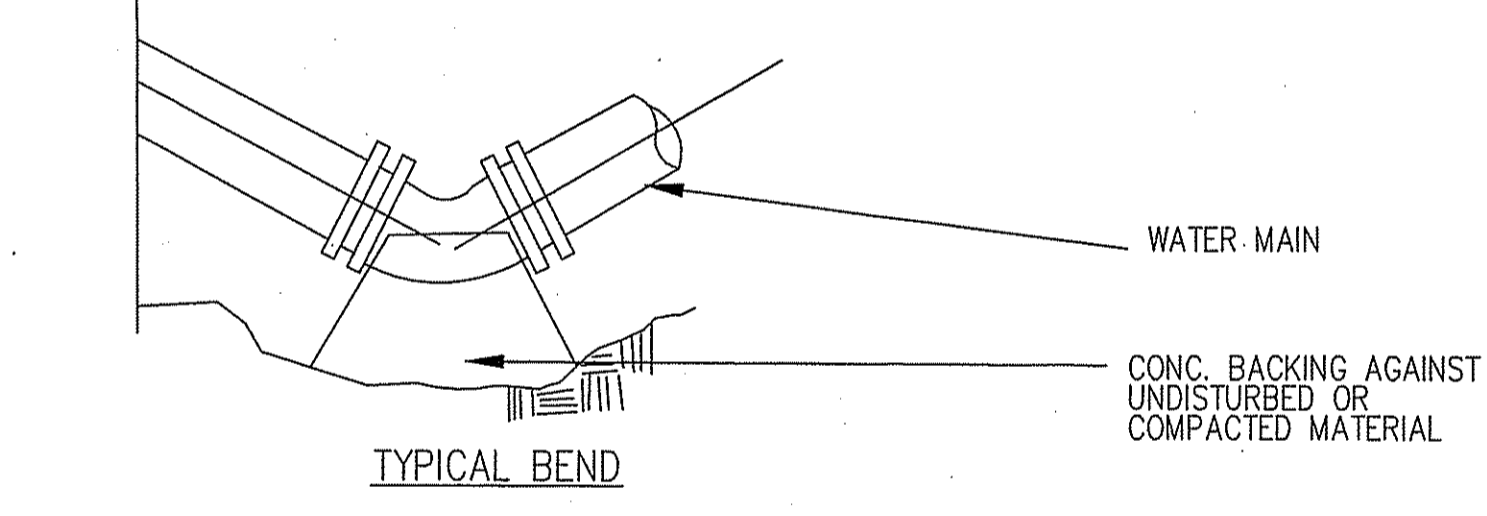
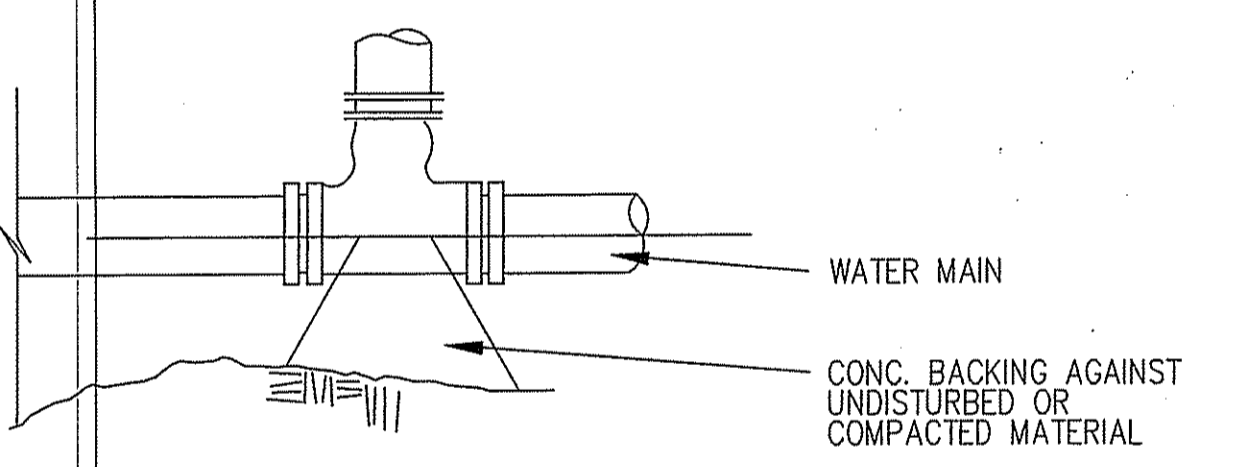
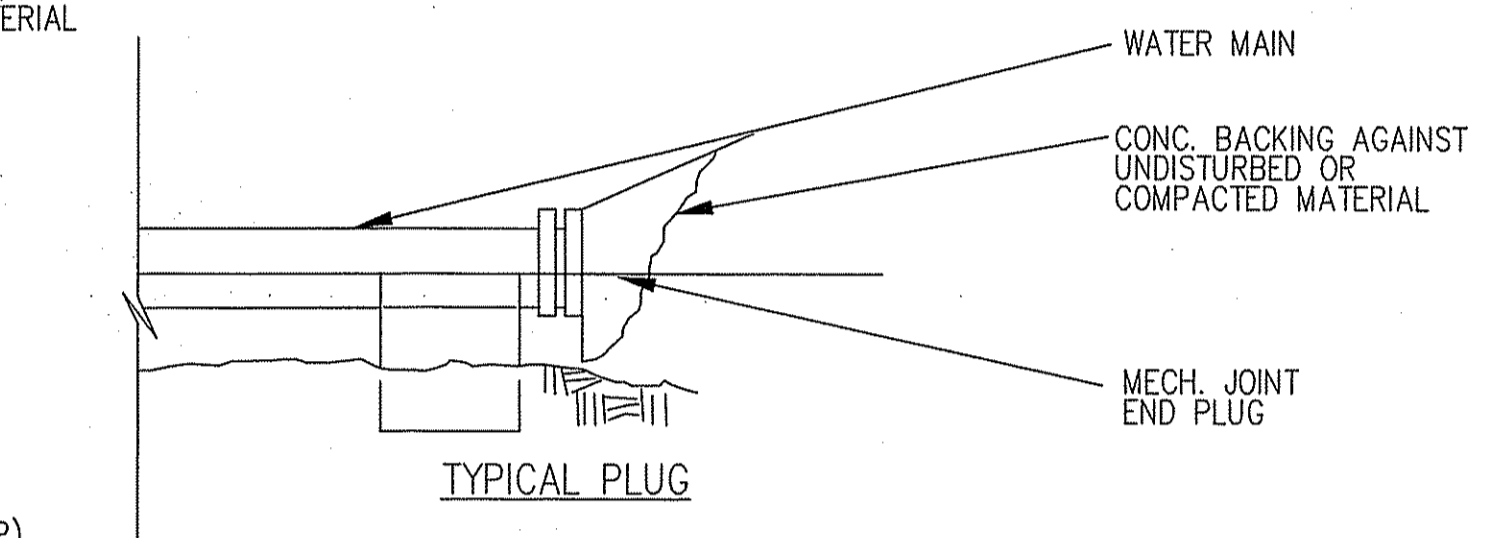
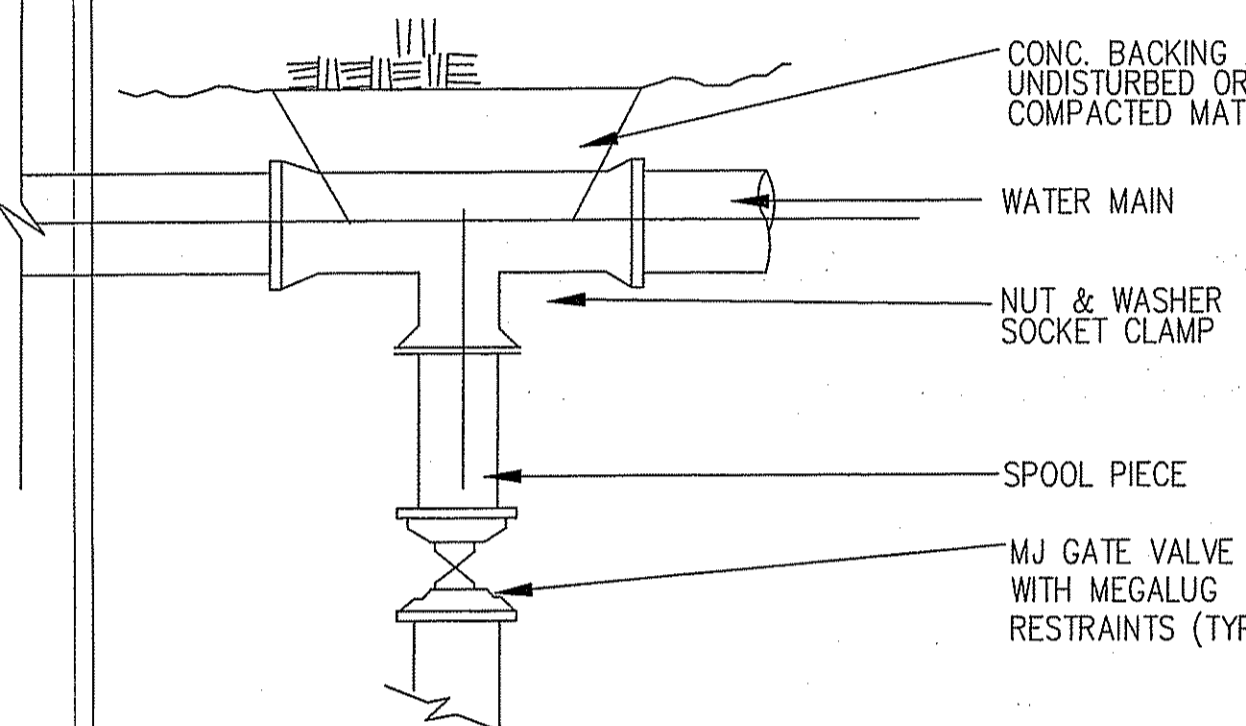
Prepared For
C & L INVESTMENTS
 RECEIVED
 SEP 20 2008
 OFFICE OF WATER RESOURCES

SCALE: AS NOTED DATE: JULY 14, 2005
 JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
 DRAWN / CHECKED BY: MJV/CGP SHEET: 27 OF 31

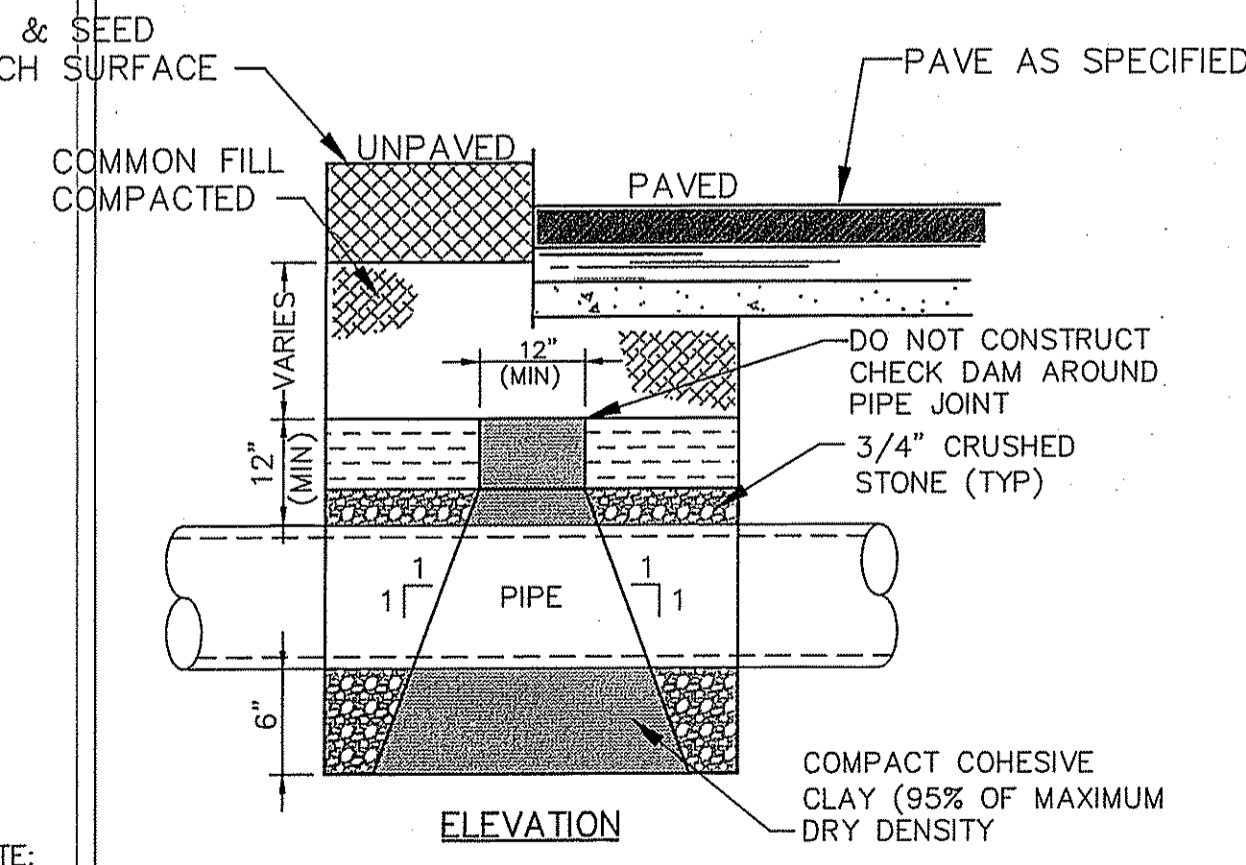
CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF RHODE ISLAND



TYPICAL HYDRANT BRANCH ASSEMBLY
(NO SCALE)



WATER SUPPLY DETAILS
(NO SCALE)

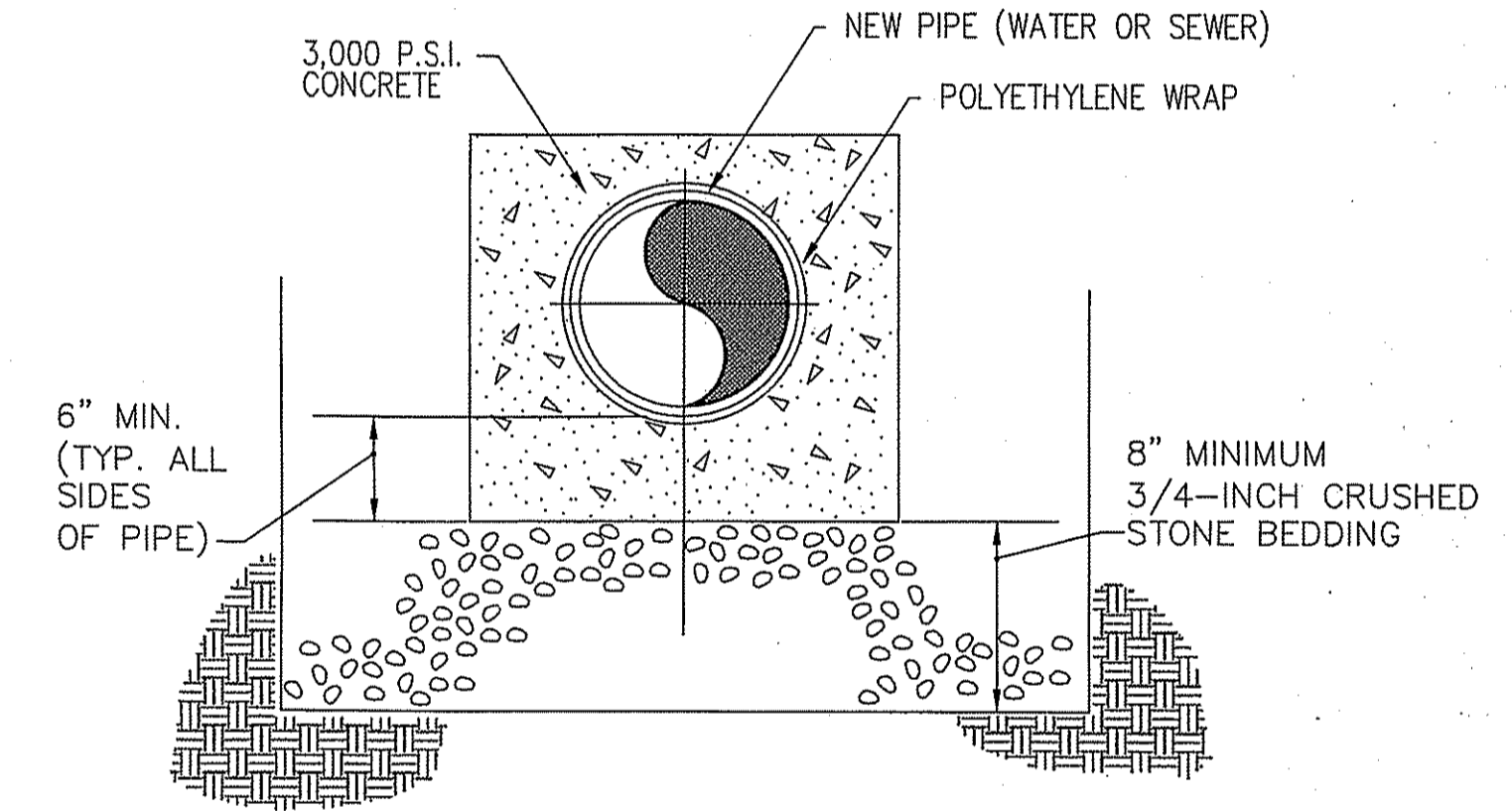
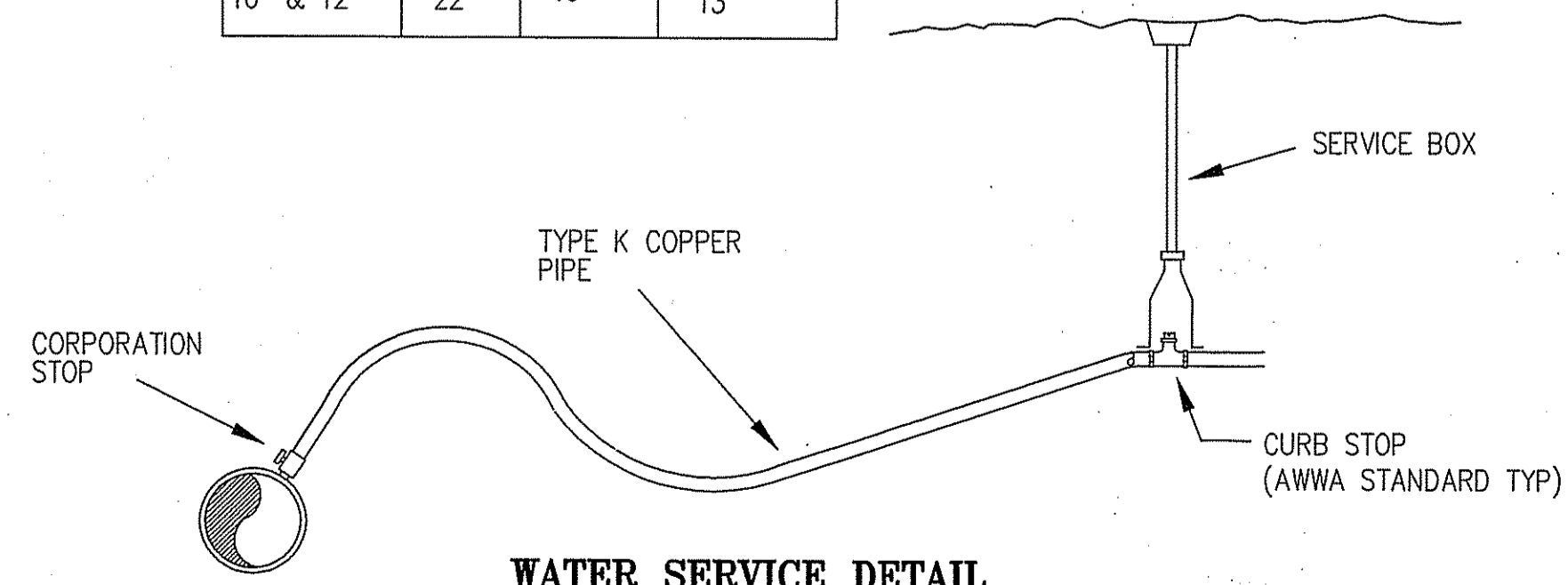


- NOTE:**
- CHECK DAM INSTALLATIONS LOCATIONS SHALL BE AS INDICATED ON THE PLANS. HOWEVER DURING CONSTRUCTION, CHECK DAM INSTALLATION LOCATIONS MAY BE MOVED DUE TO FIELD CONDITIONS. THE CHECK DAM SHALL EXTEND FROM THE BOTTOM OF THE EXCAVATION THROUGH THE BEDDING MATERIAL TO THE "NORMAL BACKFILL" AND SHALL EXTEND COMPLETELY TO EACH TRENCH SIDEWALL. CHECK DAM MATERIAL SHALL BE COMPACTED COHESIVE CLAY THAT CONTAINS A MINIMUM OF 25% MINUS NO. SIEVE MATERIAL, WITH 70% PASSING A 3/4 INCH SIEVE. IF THE NORMAL EXCAVATED MATERIAL IS NOT SUITABLE FOR CONSTRUCTION OF THE CHECK DAM, THEN THE CONTRACTOR SHALL OBTAIN MATERIAL FROM OUTSIDE SOURCES. CHECK DAM INSTALLATION AND MATERIAL SHALL BE CONSIDERED AS INCIDENTAL TO THE PIPE INSTALLATION.

SEWER TRENCH CHECK DAM
(NOT TO SCALE)

TABLE OF BEARING AREAS IN S.F. AGAINST UNDISTURBED MATERIAL FOR WATER MAIN FITTINGS

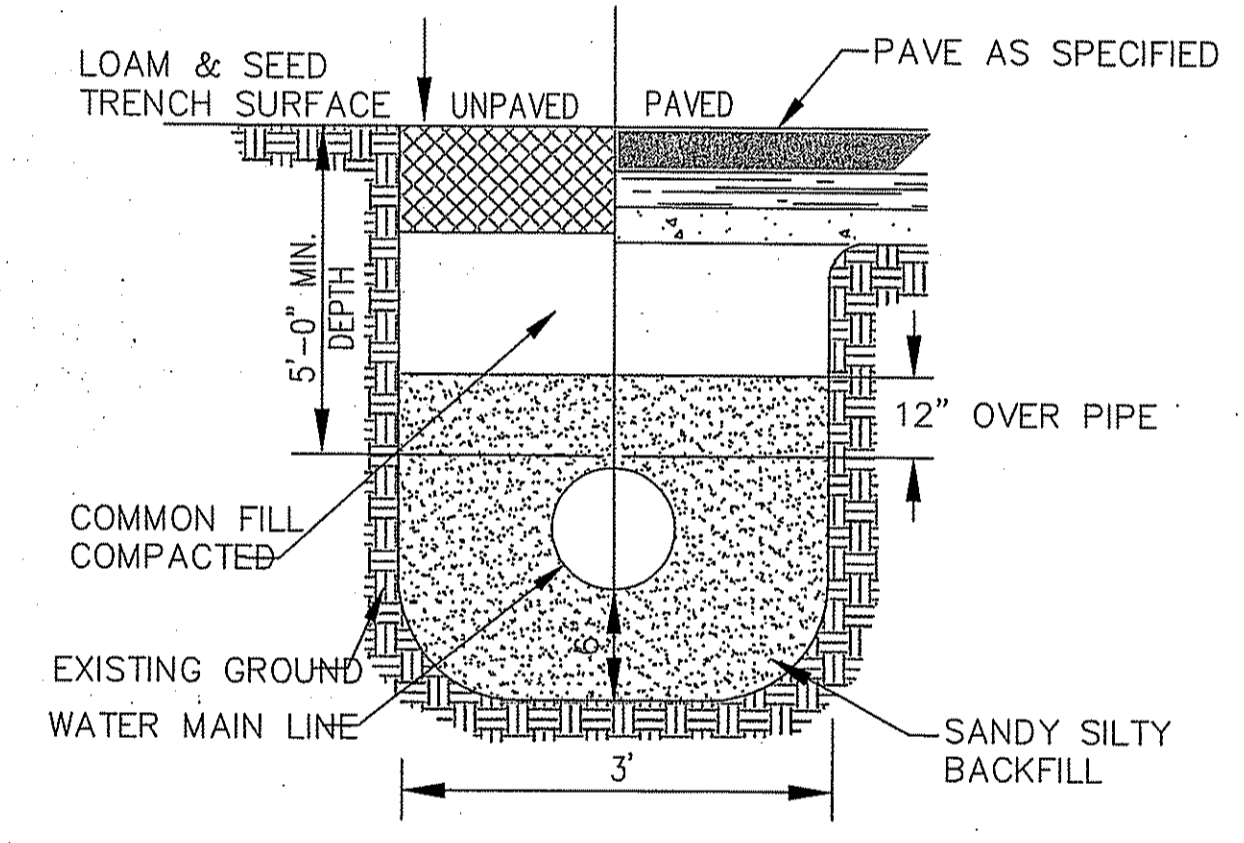
SIZE OF MAIN (IN.)	45° BEND	TEES & PLUGS	22 1/2° BEND
8" & LESS	8	10	8
10" & 12"	22	16	13



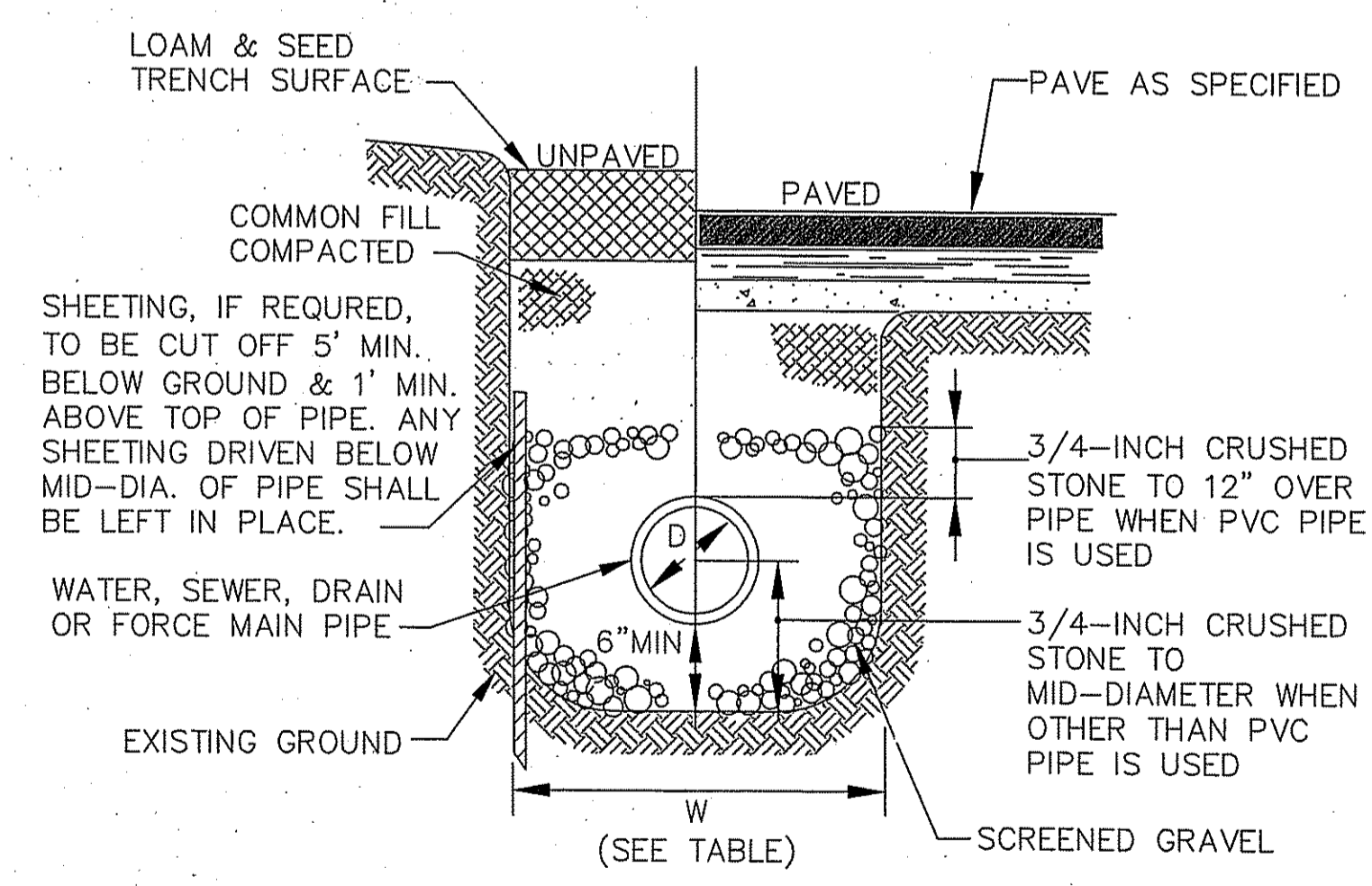
CONCRETE ENCASEMENT DETAIL
(NO SCALE)

TRENCH WIDTH, W

D PIPE DIA.	W UNSHEETED	W SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'



TYPICAL WATER MAIN TRENCH SECTION
(NOT TO SCALE)



TRENCH WIDTH, W

D DIAMETER OF PIPE	W UNSHEETED	W SHEETED
TO 12"	3'	4'
14" TO 24"	4'	5'
30" TO 36"	5'	6'

TYPICAL TRENCH SECTION
(NOT TO SCALE)

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WATER AND PROGRAMS
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Charles A. Hester

REVISIONS

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1	8/10/05	DEM COMMENTS	MJV

PINE RIDGE PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

SITE DETAILS

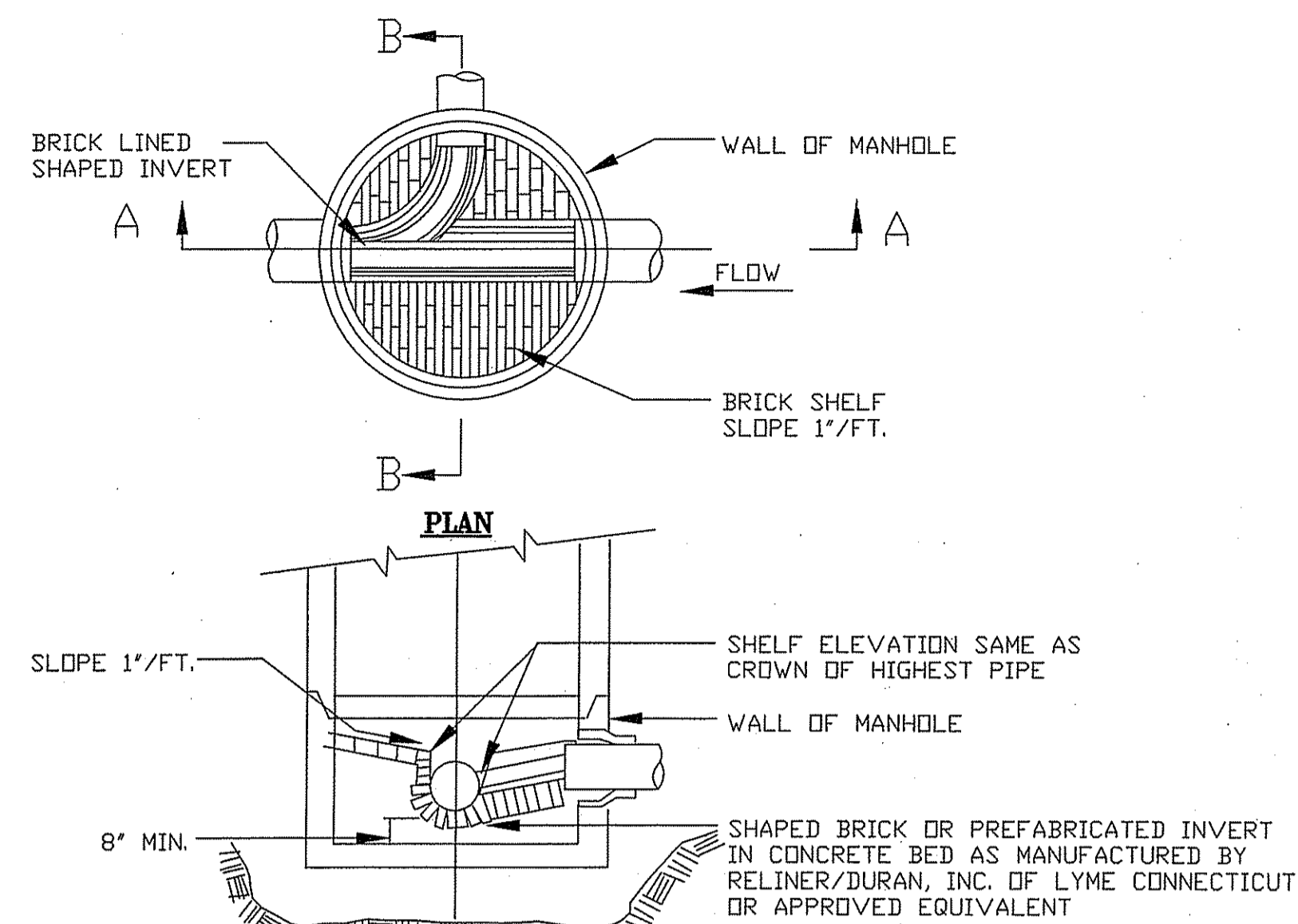
Prepared For
C & L INVESTMENTS

SCALE: AS NOTED DATE: JULY 14, 2005

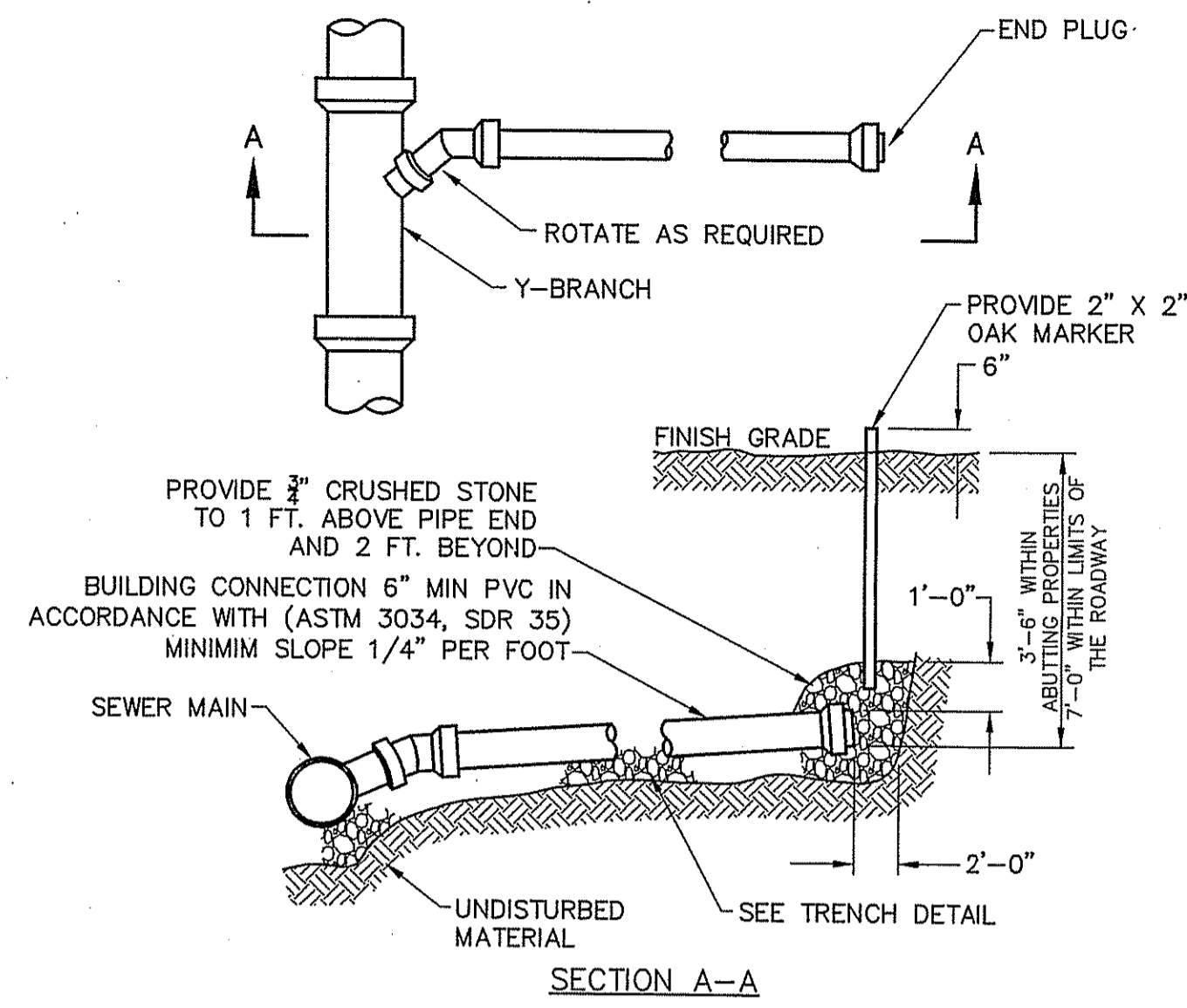
RECEIVED
 SEP 28 2008
 OFFICE OF WATER RESOURCES

REGISTERED PROFESSIONAL ENGINEER
 CHERYL G. PETERSON
 No. 6493
 8-29-08

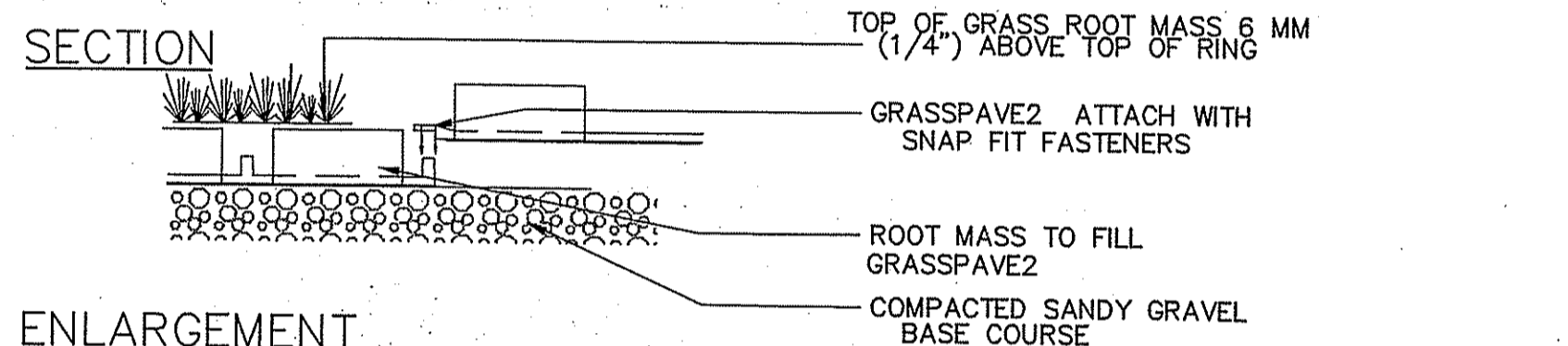
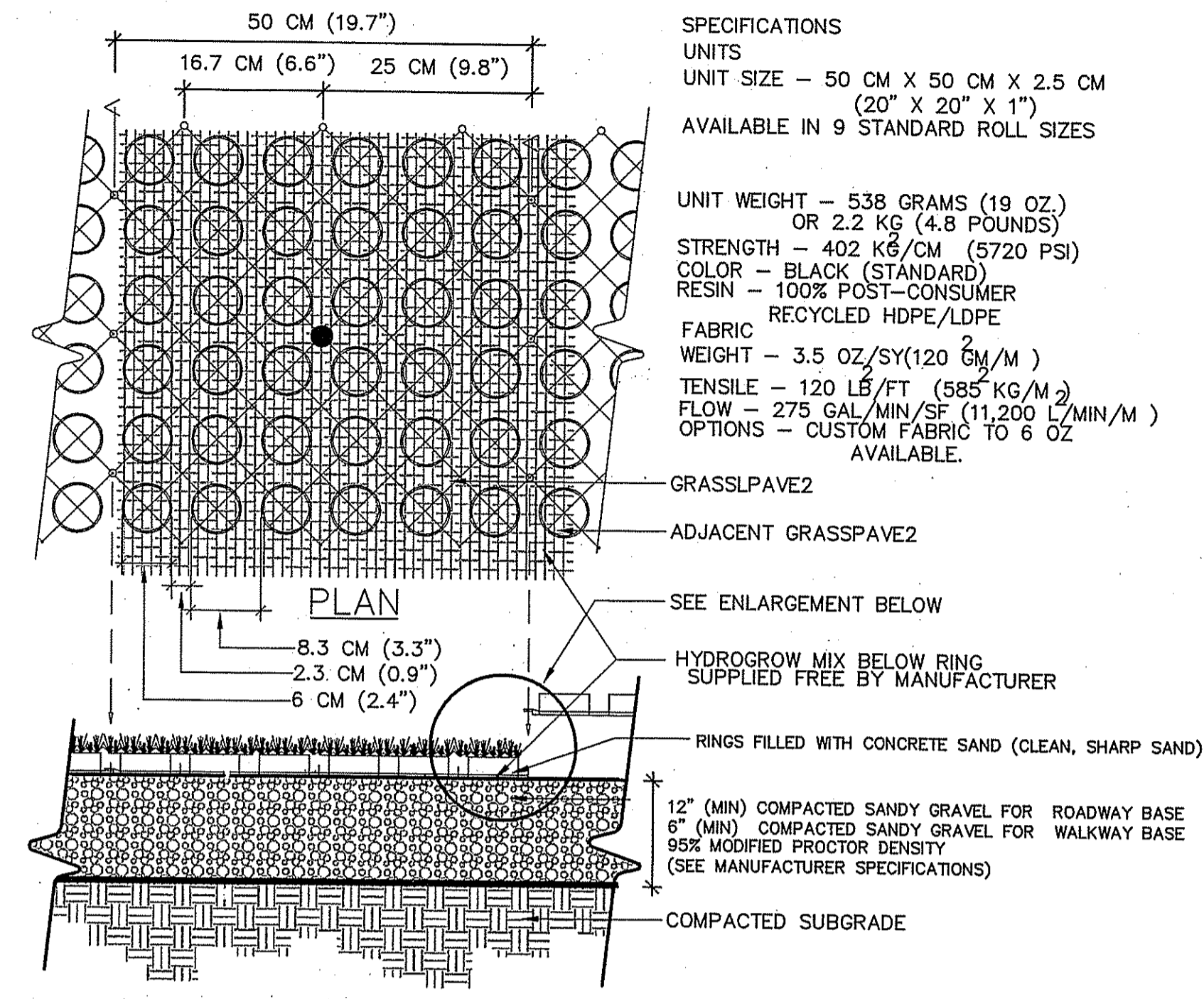
JOB NO: RI02-103	DRAWING #: RI 02-103 22-DEFIN-DETAILS
DRAWN / CHECKED BY: MJV/CGP	SHEET: 28 OF 31



SECTION B-B
(NOT TO SCALE)



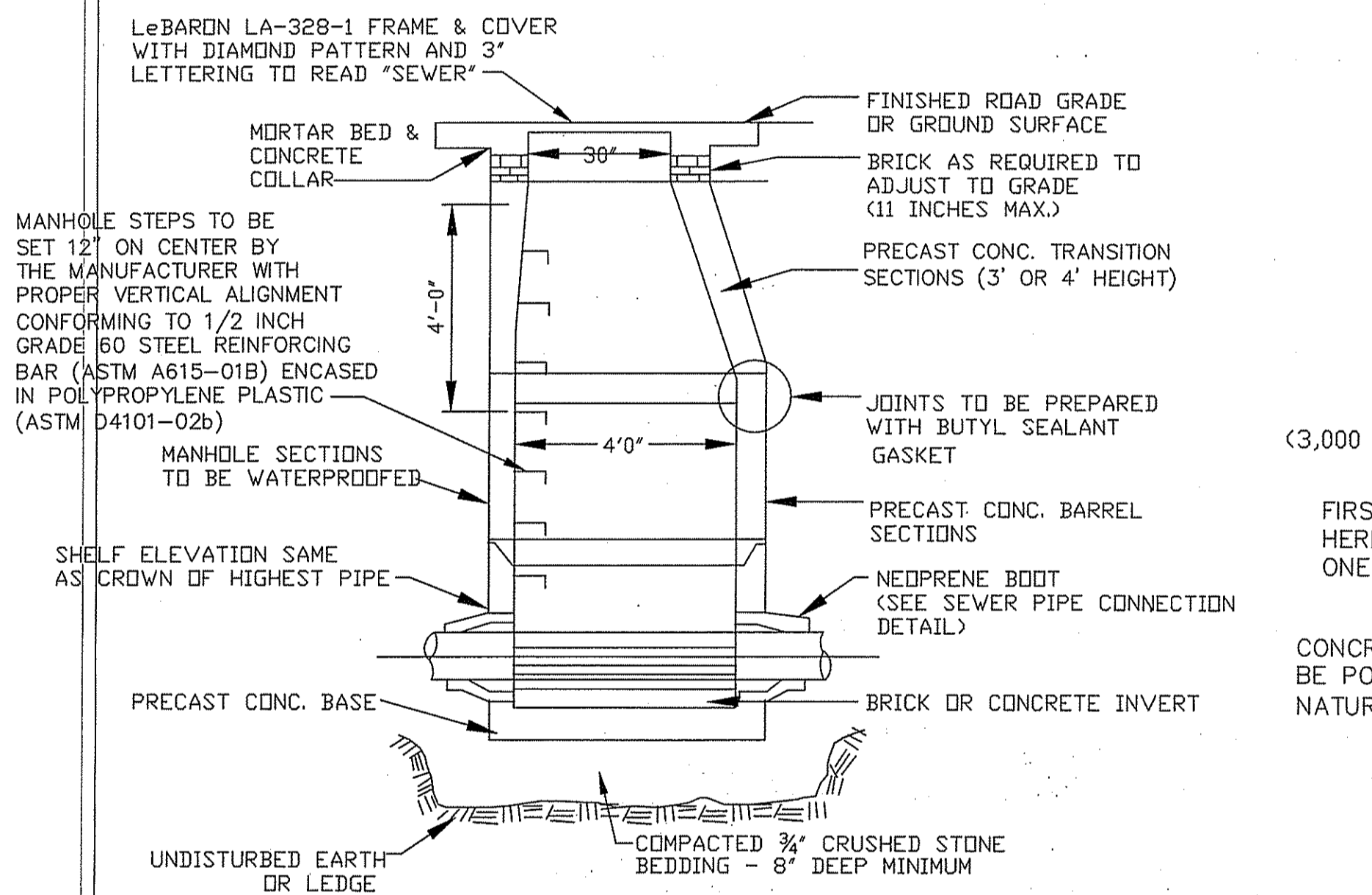
SECTION A-A
SEWER SERVICE CONNECTION
NOT TO SCALE



TYPICAL GRASSPAVE2 DETAIL
NOT TO SCALE

SPECIFICATIONS
 UNITS
 UNIT SIZE - 50 CM X 50 CM X 2.5 CM
 (20" X 20" X 1")
 AVAILABLE IN 9 STANDARD ROLL SIZES
 UNIT WEIGHT - 538 GRAMS (19 OZ.)
 OR 2.2 KG (4.8 POUNDS)
 STRENGTH - 402 K6/CM (5720 PSI)
 COLOR - BLACK (STANDARD)
 RESIN - 100% POST-CONSUMER
 RECYCLED HDPE/LDPE
 FABRIC
 WEIGHT - 3.5 OZ/SY (120 GM/M)
 TENSILE - 120 LB/FT (585 KG/M)
 FLOW - 275 GAL/MIN/5F (11,200 L/MIN/M)
 OPTIONS - CUSTOM FABRIC TO 6 OZ
 AVAILABLE.

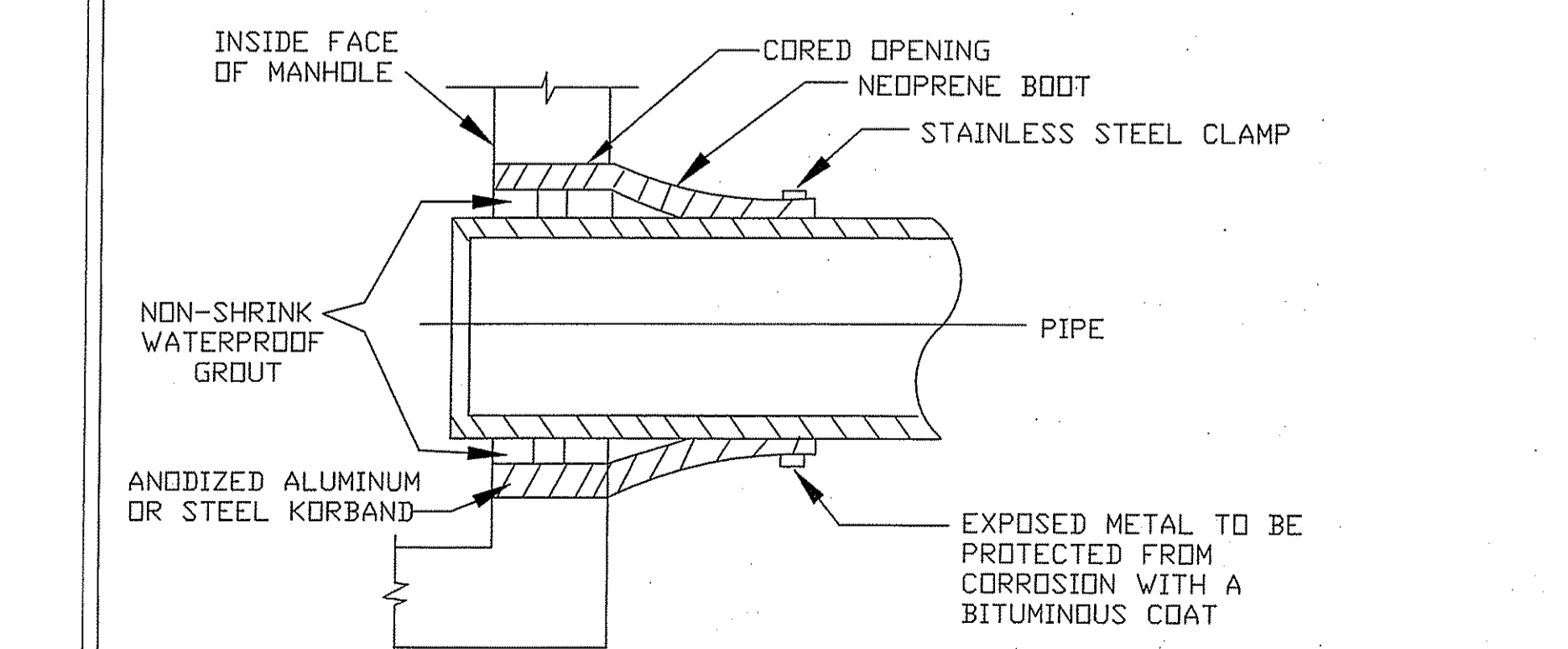
INVISIBLE STRUCTURES, INC.
 1650 JOHNSON ST., SUITE 210
 GOLDEN, COLORADO 80401
 800-233-1510 OR 303-233-8583
 FAX: 303-233-8282



SECTION A-A

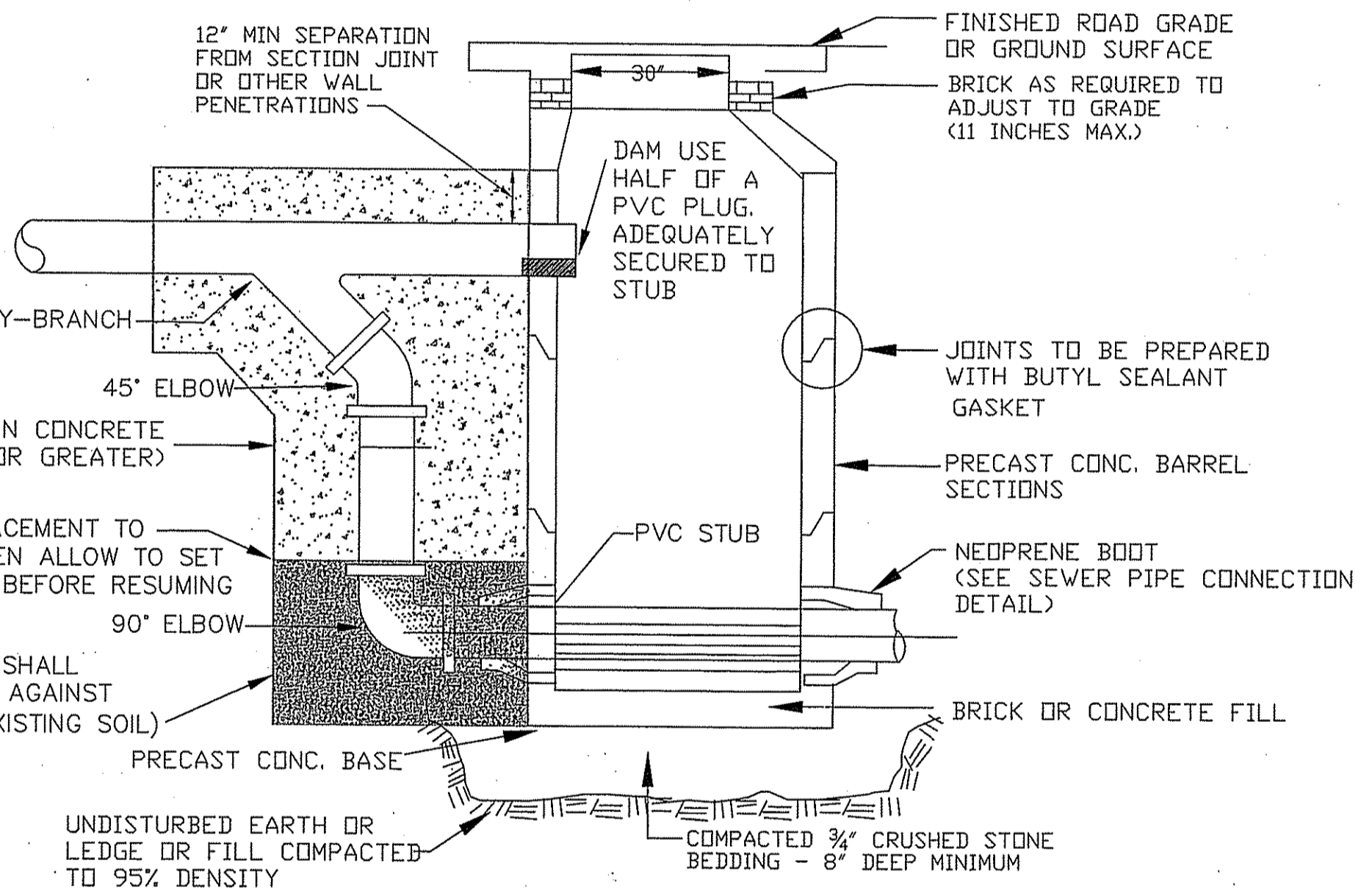
NOTES
 1. ALL SEWER MANHOLES SHALL HAVE AN EXTENDED BASE STRUCTURE (6 INCH MIN).
 2. PRECAST MANHOLE MATERIAL SHALL BE IN ACCORDANCE WITH ASTM C478.
 3. ALL BRICK SHALL BE IN ACCORDANCE WITH ASTM C32, RED SEWER BRICK, GRADE SS.
 4. INVERTS AND TABLES SHALL BE CONSTRUCTED OF SOLID BRICK MASONRY WITHOUT SUBSTITUTED FILLERS.

PRECAST SEWER MANHOLE
(NOT TO SCALE)



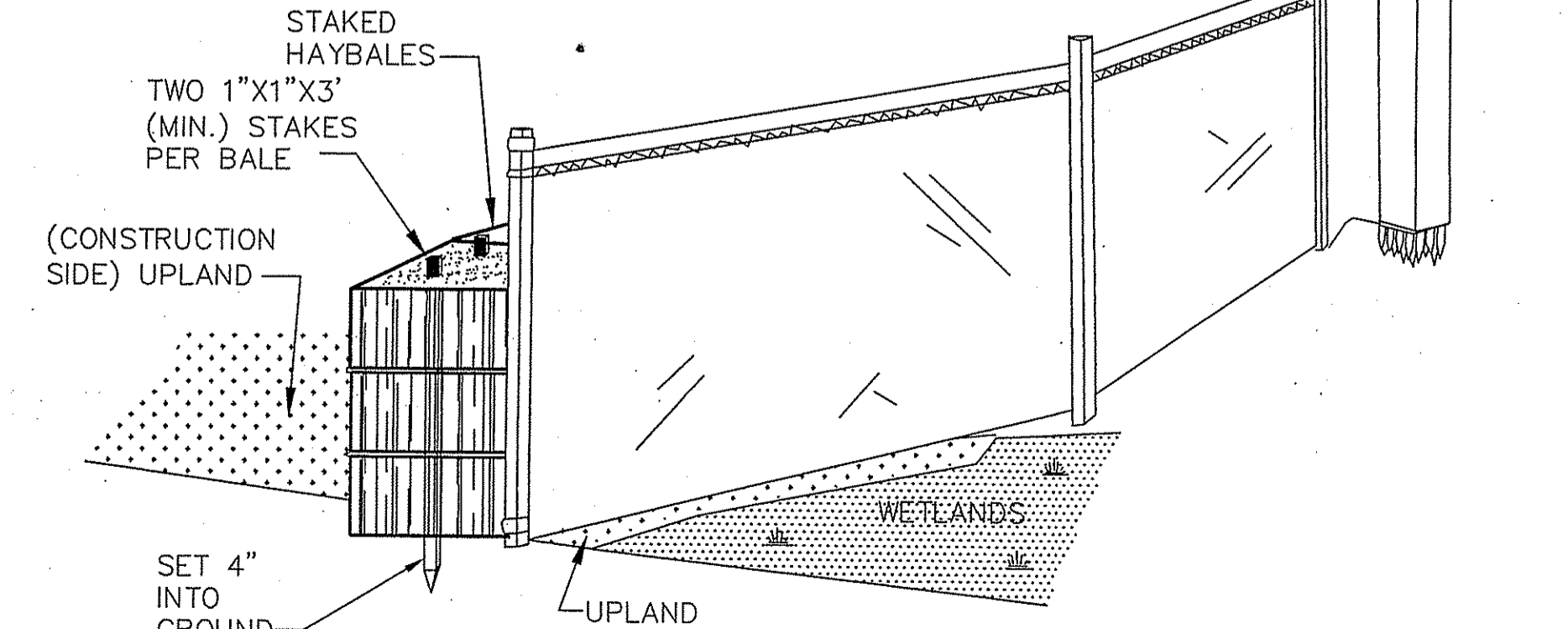
SEWER PIPE CONNECTION
(NOT TO SCALE)

NOTE
 THE RESILIENT PIPE CONNECTION SHALL BE "KOR-N-SEAL" AS MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC., OF NASHUA NH, "A-LOK" AS MANUFACTURED BY A-LOK CORPORATION, TRENTON, NJ OR AN APPROVED EQUIVALENT.

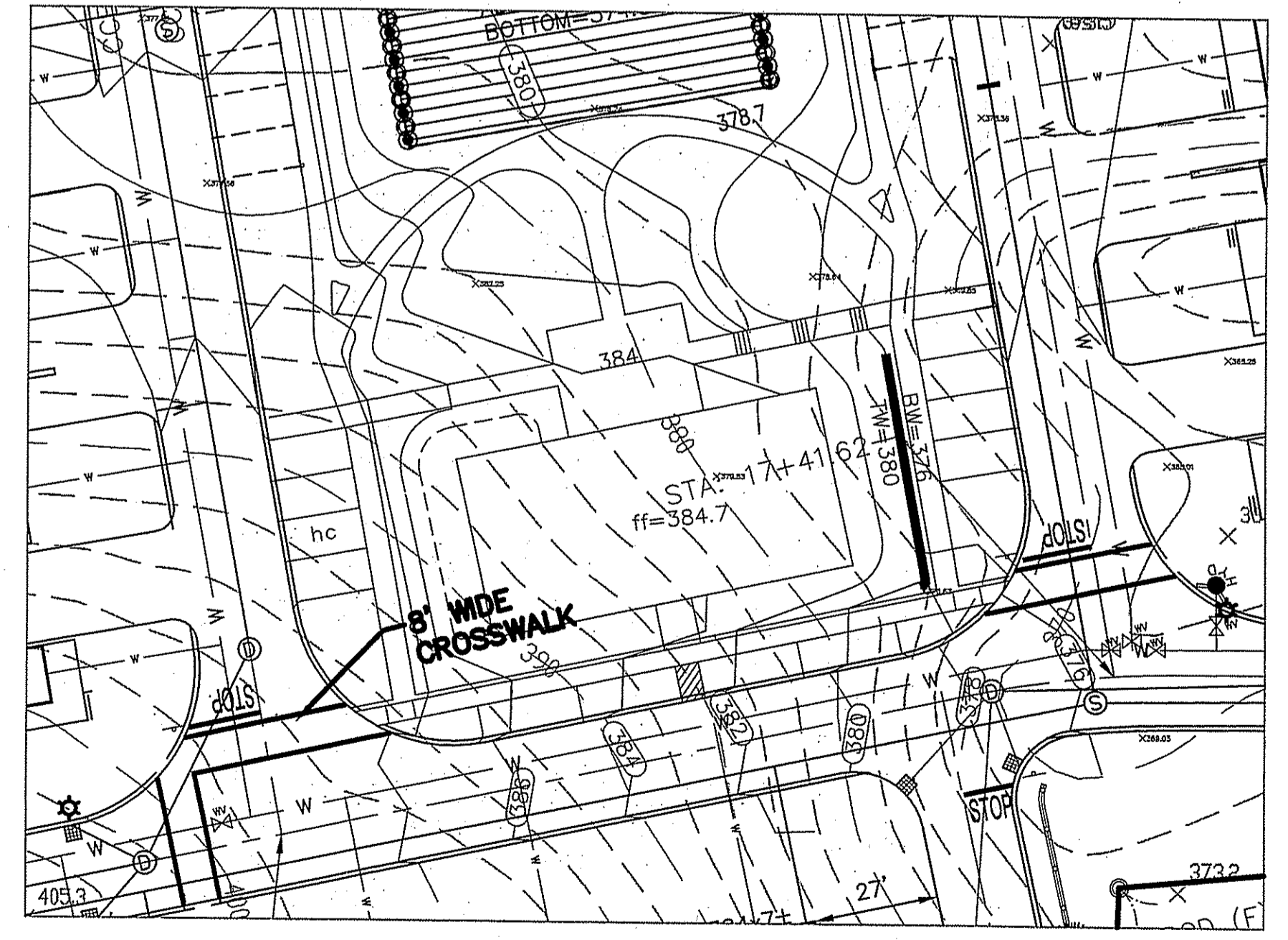


SEWER DROP CONNECTION DETAIL
(NOT TO SCALE)

NOTE:
 1.) MAINTENANCE SHALL BE PERFORMED AS NEEDED, WHILE CONSTRUCTION IS IN PROGRESS.
 2.) HAYBALES SHOULD BE PLACED PRIOR TO ANY CONSTRUCTION. (INCLUDING TREE CUTTING).
 3.) HAYBALES AND SILTATION BARRIER SHALL ALWAYS BE PLACED TOGETHER AS SHOWN.



TYPICAL HAYBALE & SILT FENCE
NOT TO SCALE



POTENTIAL CLUBHOUSE DESIGN DETAIL
NOT TO SCALE

NOTE:
 THIS DETAIL HAS BEEN PROVIDED IN ORDER TO SHOW A POSSIBLE DESIGN OF THE CLUBHOUSE/CONCIERGE STORE LOCATION IN THE EVENT THAT THE DEVELOPER OPTS TO CONSTRUCT SUCH A FACILITY.

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 CIVIL

DATE: OCT 31 2008
 05-0313
 Charles A. Hunt

REVISIONS		
14	8/29/08	PLANNING BOARD COMMENTS ESW
13	3/06/08	DPW COMMENTS FJO
12	1/02/08	PLANNING BOARD COMMENTS FJO
11	3/12/07	DEM REVISIONS ESW
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2	1/12/06	DEM COMMENTS WCN
1	8/10/05	DEM COMMENTS MJV
NO.	DATE	DESCRIPTION BY

PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

SITE DETAILS
 Prepared For
 C & L INVESTMENTS
 SCALE: AS NOTED DATE: JULY 14, 2005
 JOB NO: RI02-103 DRAWING #: RI 02-103 22-DEFIN-DETAILS
 DRAWN / CHECKED BY: MJV/CGP SHEET: 29 OF 31

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02886 WHITINSVILLE, MA 01888
 TEL: 508-266-2056 TEL: 508-266-2056
 FAX: 508-266-2057

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
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Charles A. Hunt

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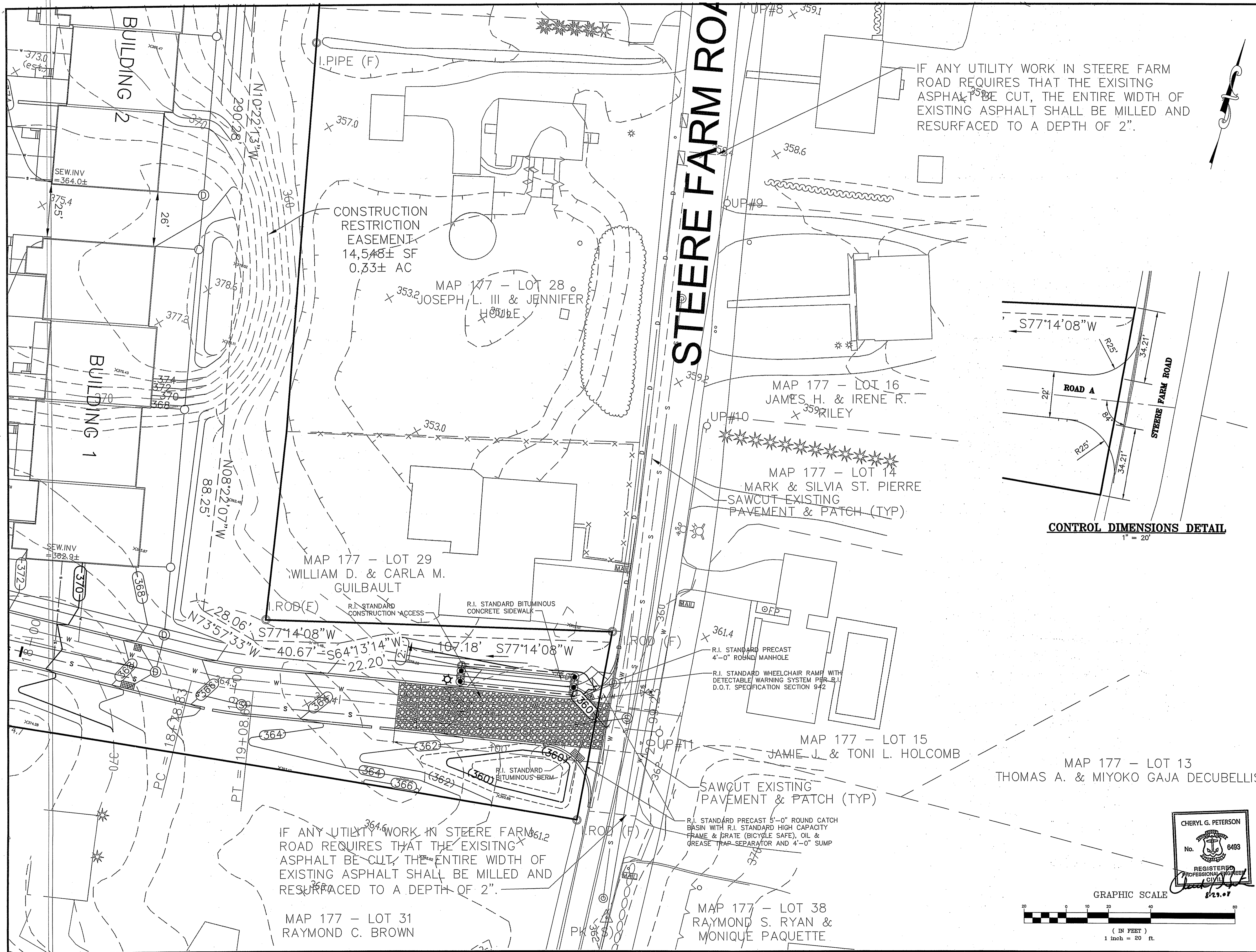
PINE RIDGE
 PRELIMINARY PLAN
 MAJOR LAND DEVELOPMENT
 VILLAGE PLANNED DEVELOPMENT
 BURRILLVILLE, RHODE ISLAND

**R.I. D.O.T. INTERSECTION
 ENLARGEMENT PLAN**

Prepared For
C & L INVESTMENTS

SCALE: 1" = 20' DATE: JANUARY 9, 2006

JOB NO: RI02-103 DRAWING #: RI 02-103 30-DEFIN-IEP.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 30 OF 31



IF ANY UTILITY WORK IN STEERE FARM ROAD REQUIRES THAT THE EXISTING ASPHALT BE CUT, THE ENTIRE WIDTH OF EXISTING ASPHALT SHALL BE MILLED AND RESURFACED TO A DEPTH OF 2".

CONSTRUCTION RESTRICTION EASEMENT
 14,548± SF
 0.33± AC

MAP 177 - LOT 29
 WILLIAM D. & CARLA M. GUILBAULT

MAP 177 - LOT 16
 JAMES H. & IRENE R. RILEY

MAP 177 - LOT 14
 MARK & SILVIA ST. PIERRE
 SAWCUT EXISTING PAVEMENT & PATCH (TYP)

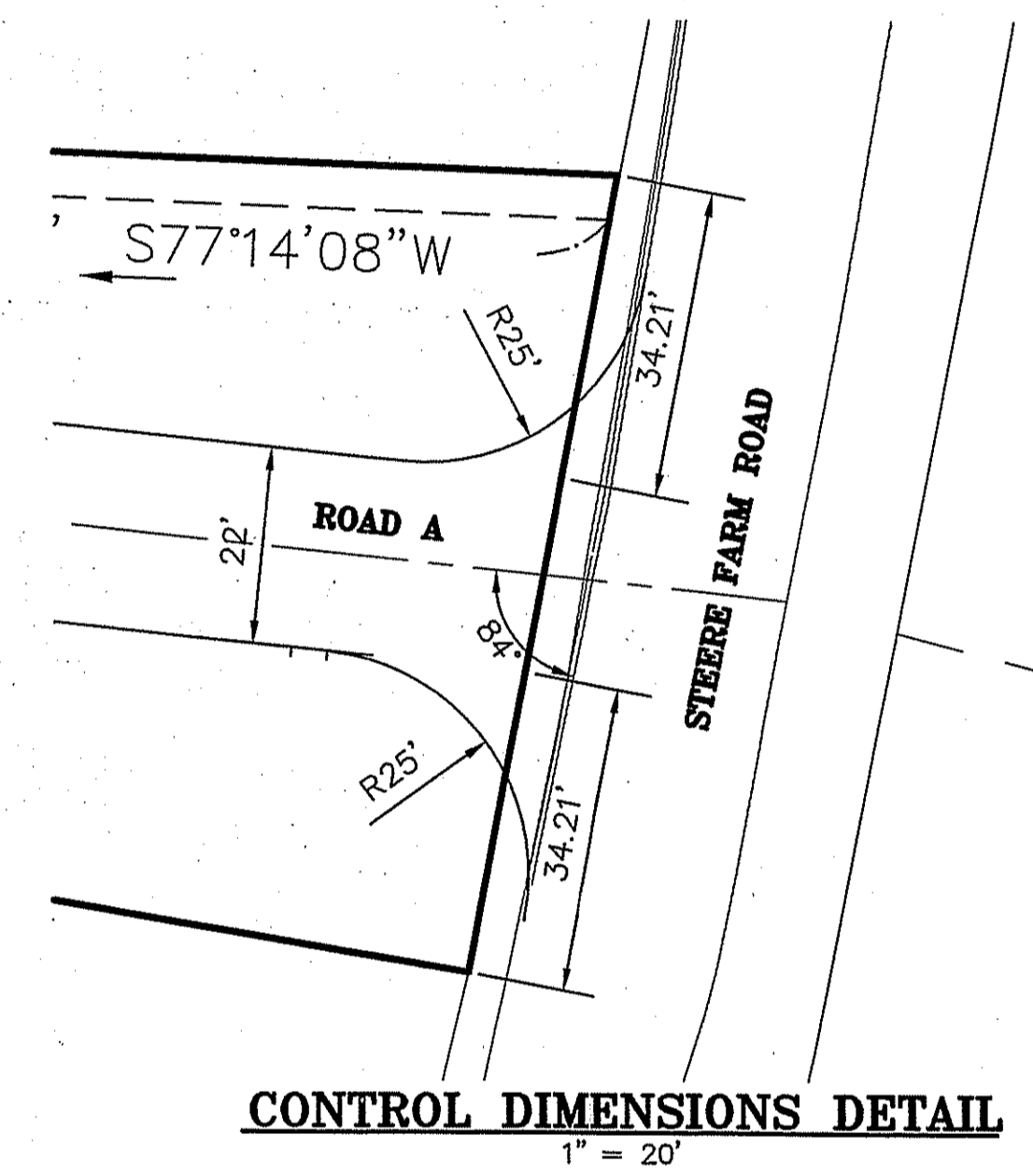
MAP 177 - LOT 15
 JAMIE J. & TONI L. HOLCOMB

MAP 177 - LOT 13
 THOMAS A. & MIYOKO GAJA DECUBELLIS

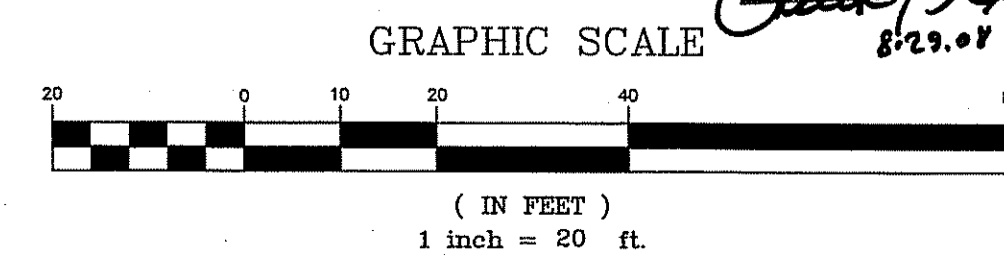
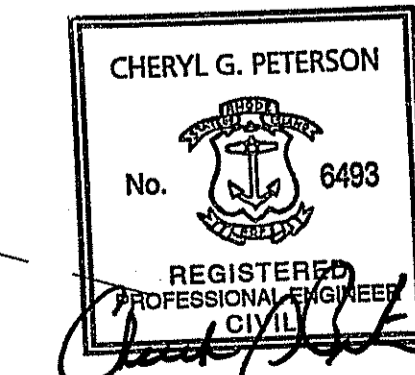
IF ANY UTILITY WORK IN STEERE FARM ROAD REQUIRES THAT THE EXISTING ASPHALT BE CUT, THE ENTIRE WIDTH OF EXISTING ASPHALT SHALL BE MILLED AND RESURFACED TO A DEPTH OF 2".

MAP 177 - LOT 31
 RAYMOND C. BROWN

MAP 177 - LOT 38
 RAYMOND S. RYAN & MONIQUE PAQUETTE

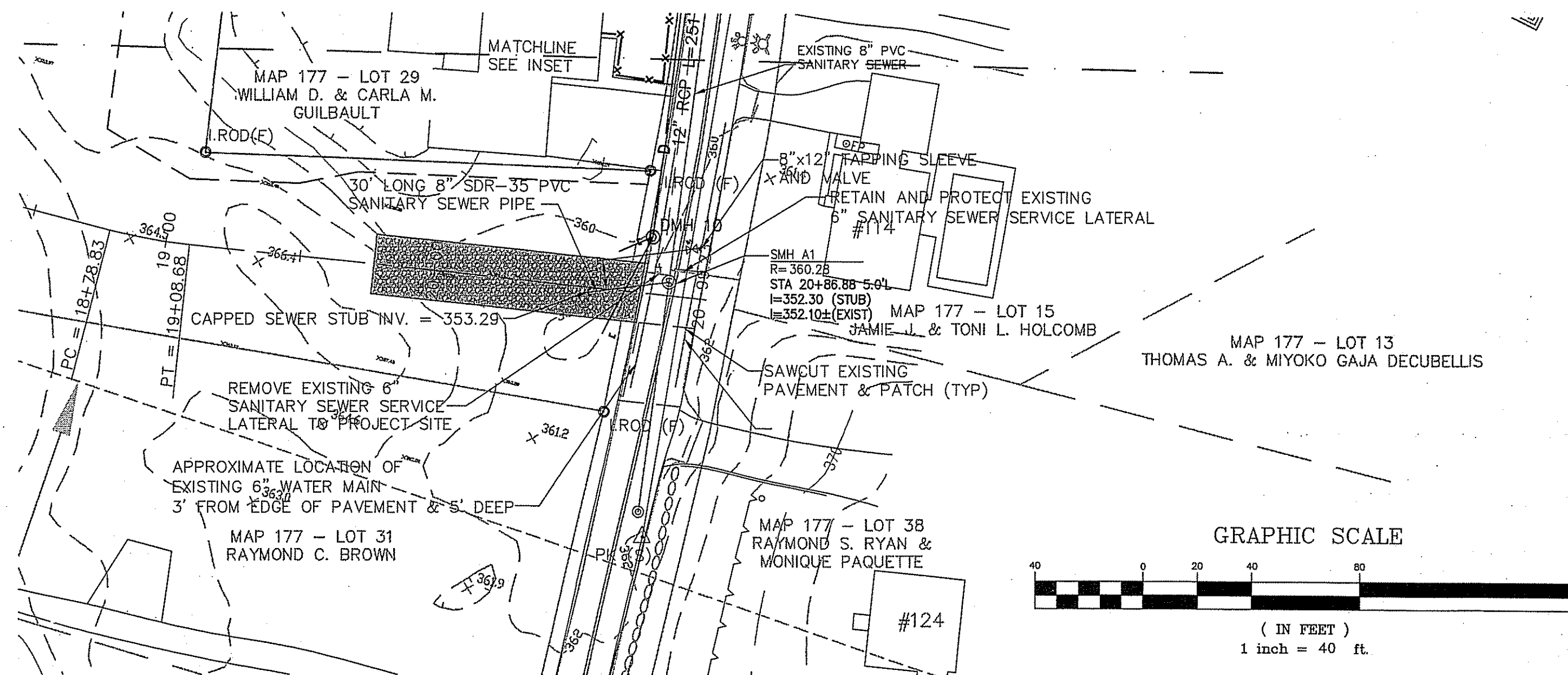


CONTROL DIMENSIONS DETAIL
 1" = 20'

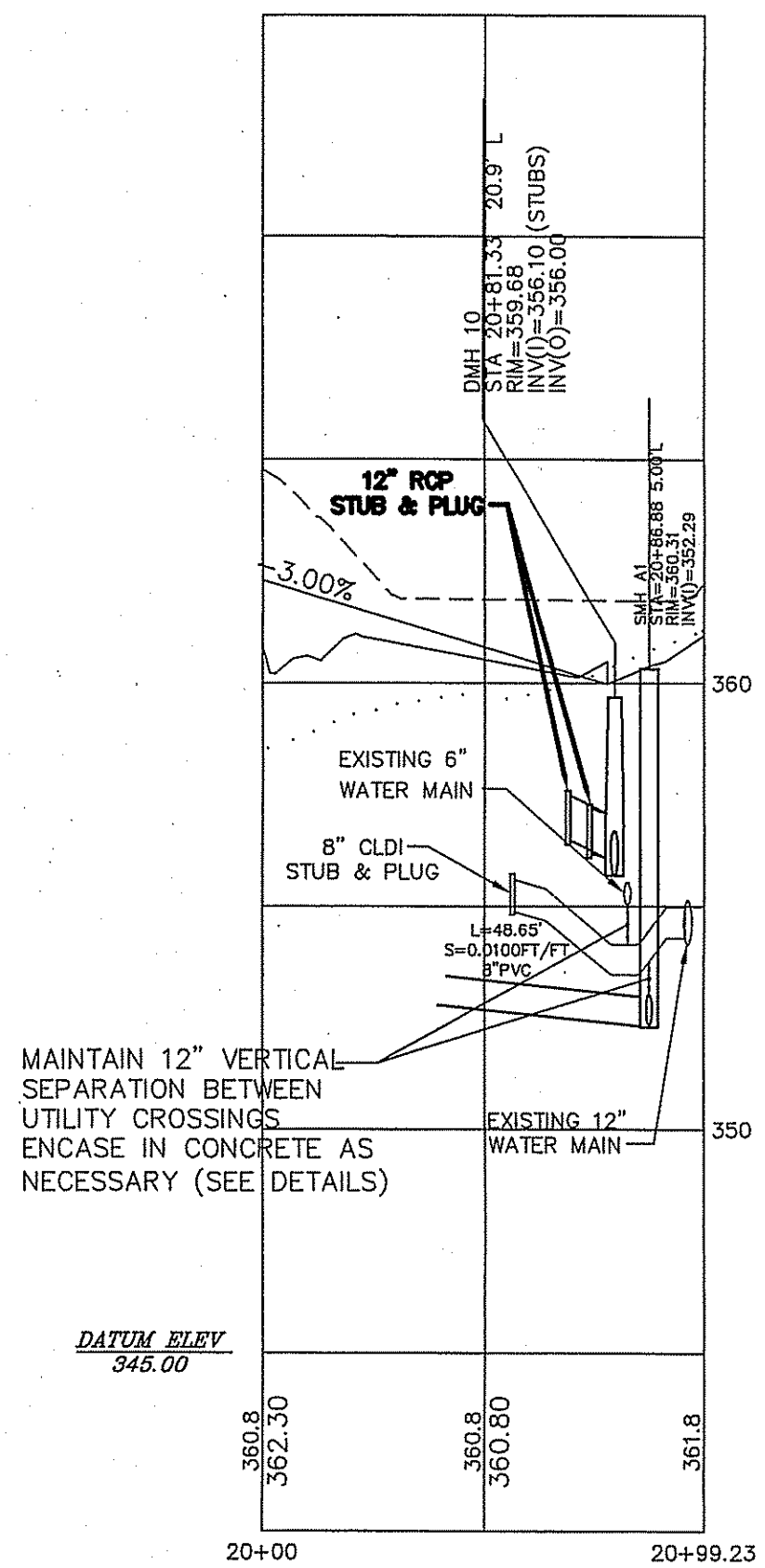


GENERAL NOTES

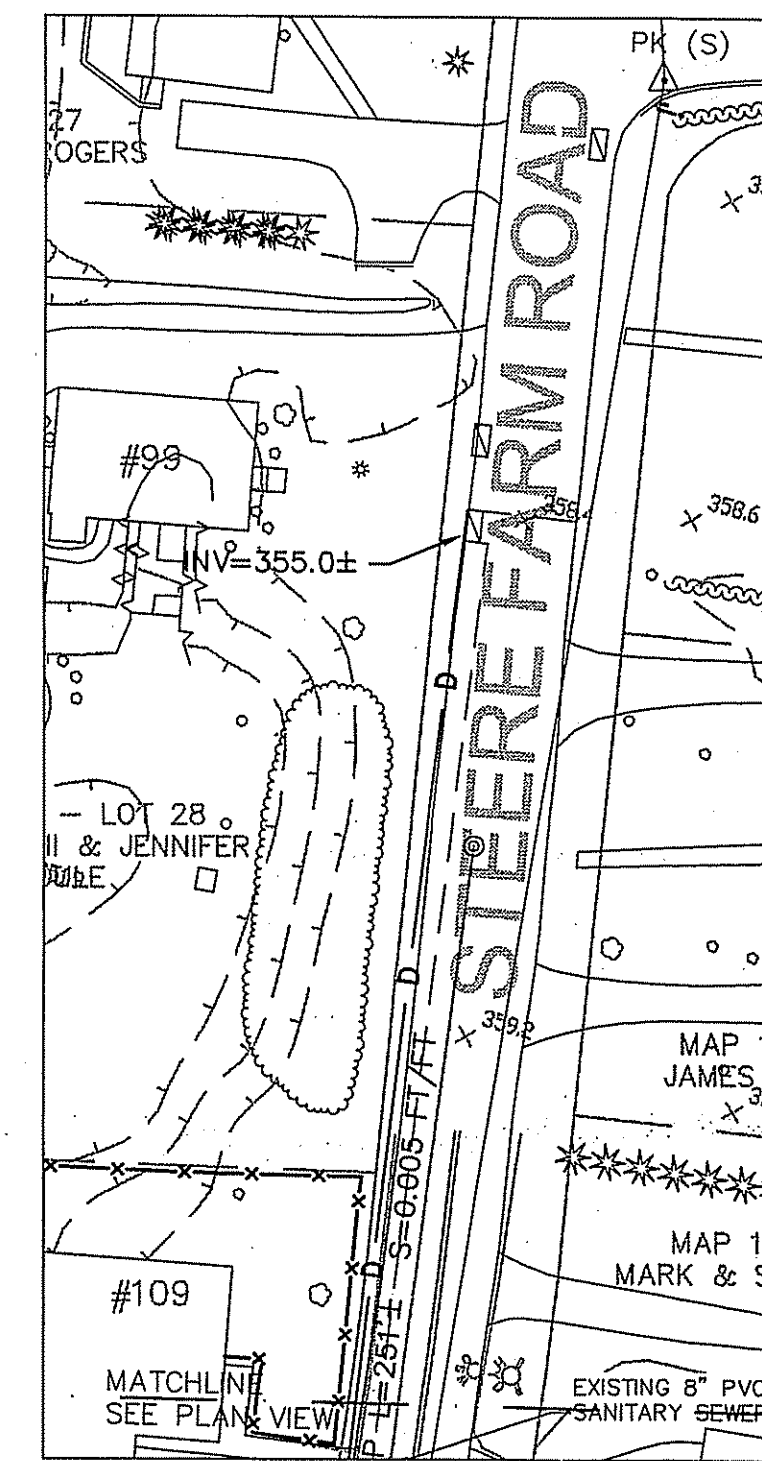
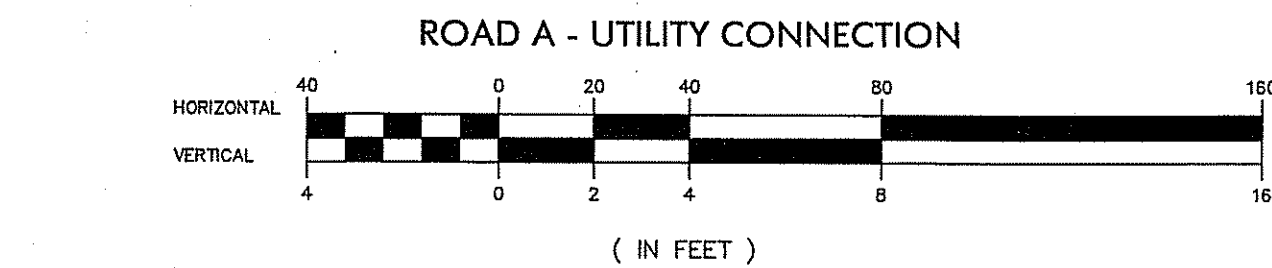
1. THE LOCATION OF SUSPECTED EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED. ANY UNDERGROUND UTILITY LOCATIONS, IF INDICATED HEREIN, HAVE BEEN DETERMINED FROM THE FIELD LOCATION OF MANHOLES, GATES, AND/OR OTHER SURFACE STRUCTURES, BY PHYSICAL INSPECTION, AND/OR FROM AVAILABLE PLANS OF RECORD. PRIOR TO ANY EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES FOR FIELD LOCATIONS OF EXISTING UNDERGROUND PIPES, CONDUITS, TANKS AND STRUCTURES. NOTIFY DIG-SAFE AT 1-888-DIG-SAFE (1-888-344-7233) PRIOR TO BEGINNING ANY EXCAVATION OR CONSTRUCTION.
2. ALL WORK WITHIN THE STATE'S RIGHT-OF-WAY SHALL CONFORM TO RIDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 2004 INCLUDING ALL REVISIONS AND RHODE ISLAND STANDARD DETAILS.
3. IF THE PROPOSED UTILITY CONNECTIONS ARE MADE AFTER THE RIDOT RESURFACING OF STEERE FARM ROAD THE ENTIRE WIDTH OF THE ROAD WITHIN THE LIMITS OF THE PROPOSED UTILITY CONNECTIONS SHALL BE MILLED AND RESURFACED TO A DEPTH OF 2".
4. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES 2003 INCLUDING ALL REVISIONS.
5. SHOULD CONFLICTS OCCUR WITH EXISTING UTILITIES, CONTRACTOR SHALL STOP WORK IMMEDIATELY AND NOTIFY THE ENGINEER FOR FIELD CHANGES.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES ON SITE AND SHALL IMMEDIATELY REPORT ANY DISCREPANCIES OR DEVIATIONS FROM THE PLANS TO THE ENGINEER. ALSO REPORT ANY CONDITION UNCOVERED IN THE WORK WHICH IS NOT REFLECTED WITHIN THE PLANS.
7. ALL DIMENSIONS ARE TO FACE OF BUILDINGS, CURBS, WALLS, FENCES AND GUARDRAILS OR TO CENTER OF PAINT MARKINGS UNLESS OTHERWISE INDICATED ON THE PLANS.
8. ALL STRUCTURES SHALL CONFORM TO THE REQUIREMENTS OF THE TOWN OF BURRILLVILLE D.P.W. SPECIFICATIONS.
9. ALL DRAIN PIPE TO BE HDPE (ADS N-12 HAND CORE HI-Q, OR EQUAL), UNLESS OTHERWISE SPECIFIED ON PLANS.
10. THE ENTIRE AREA WITHIN THE LIMIT OF WORK, AS NECESSARY FOR CONSTRUCTION EARTHWORK, SHALL BE CLEANED OF ALL BRUSH, TREE ROOTS, STUMPS, BOULDERS, AND OTHER OBJECTIONABLE MATTER. WHERE GOOD TOP SOIL IS FOUND WITHIN WORK AREAS IT SHALL BE REMOVED AND STOCKPILED WITHIN THE SITE FOR FUTURE USE. THE ENTIRE AREA BENEATH THE WORK AREA SHALL HAVE LOAM, PEAT, AND OTHER UNSUITABLE MATERIAL REMOVED TO HARD BOTTOM.
11. TOPOGRAPHIC ELEVATIONS ARE BASED ON THE N.A.V.D. OF 1988.
12. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED OR LANDSCAPED ARE TO BE RESTORED WITH A MINIMUM OF 4" OF TOP SOIL AND SEED AS SOON AS PRACTICABLE. NO MATERIAL IS TO BE STOCKPILED IN ANY FRESHWATER WETLAND.
13. ALL EROSION/SEDIMENTATION CONTROLS ARE TO BE IN PLACE PRIOR TO CONSTRUCTION AND MAINTAINED THROUGHOUT THE PROJECT DURATION.
14. UTILITIES THAT ARE PROPOSED TO BE INSTALLED IN FILL SECTIONS SHALL BE INSTALLED ACCORDINGLY:
 - A. FILL AREA SHALL BE FILLED TO SUBGRADE ELEVATION WITH COMMON FILL COMPACTED TO 95% DENSITY.
 - B. THE UTILITY TRENCH SHALL THEN BE EXCAVATED ACCORDING TO THE TYPICAL TRENCH SECTION DETAIL.
15. NO CONNECTIONS OR DISCHARGE TO THE PROPOSED SANITARY STUB SHALL BE MADE UNTIL APPROVED BY THE BURRILLVILLE SEWER COMMISSION.
16. ALL SANITARY SEWER WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE BURRILLVILLE SEWER COMMISSION RULES AND REGULATIONS AND SHALL BE PERFORMED BY A LICENSED DRAIN LAYER IN THE TOWN OF BURRILLVILLE.
17. THE INSTALLER SHALL HAVE A PRECONSTRUCTION MEETING WITH REPRESENTATIVES FROM THE SEWER COMMISSION, WATER DISTRICT AND PUBLIC WORKS DEPARTMENT AT THE SITE PRIOR TO CONSTRUCTION.
18. SANITARY SEWER MAIN TO BE 8" SDR-35 PVC MANUFACTURED IN ACCORDANCE WITH ASTM 3034.
19. CONNECTION TO THE EXISTING SEWER MAIN SHALL BE MADE BY CUTTING AND SPLICING THE EXISTING MAIN AND CONNECTING THE PROPOSED MANHOLE WITH STANDARD COUPLINGS. FABRICATION OF THE SEWER MANHOLE SHALL BE COORDINATED TO MAINTAIN THE EXISTING PIPE SLOPE THROUGH THE STRUCTURE.
20. COPIES OF PRODUCT CUT SHEETS FOR ALL SEWER MATERIALS SHALL BE PROVIDED TO THE BURRILLVILLE SEWER COMMISSION.
21. SANITARY SEWER SERVICE LATERALS SHALL HAVE A MINIMUM COVER OF 42-INCHES. WYE CONNECTIONS TO BE USED AT ALL SANITARY SEWER LATERAL CONNECTIONS TO THE MAIN.
22. SANITARY SEWER LINES AND MANHOLES SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE RULES AND REGULATIONS GOVERNING THE PUBLIC SANITARY SEWER SYSTEM IN THE TOWN OF BURRILLVILLE, RHODE ISLAND.
23. ALL WATER MAINS SHALL BE 8" CEMENT LINED DUCTILE IRON, CLASS 52 UNLESS OTHERWISE SHOWN ON THE PLANS.
24. ALL HYDRANTS SHALL BE MODEL B-84-B AS MANUFACTURED BY AMERICAN FLOW CONTROL PER THE HARRISVILLE WATER DISTRICT STANDARDS.
25. ALL WATER LINE VALVES AND HYDRANTS SHALL OPEN RIGHT.
26. ALL HYDRANT AND VALVE ASSEMBLIES SHALL BE FURNISHED WITH MEGALUG RESTRAINED MECHANICAL JOINTS.
27. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL HAVE A PRECONSTRUCTION MEETING WITH REPRESENTATIVES FROM THE BURRILLVILLE SEWER COMMISSION, HARRISVILLE WATER DISTRICT, BURRILLVILLE DEPARTMENT OF PUBLIC WORKS AND OTHER TOWN OFFICIALS AS NECESSARY.
28. COPIES OF PRODUCT CUT SHEETS FOR ALL WATER APPURTENANCES SHALL BE SUBMITTED TO THE HARRISVILLE WATER DISTRICT.
29. INSTALLATION OF ALL PROPOSED WATER INFRASTRUCTURE SHALL BE INSPECTED BY THE HARRISVILLE WATER DISTRICT SUPERINTENDENT PRIOR TO BACKFILL.



PLAN VIEW



PROFILE



INSET

LEGEND

- | | |
|----------------|---------------------------------|
| SYMBOL: | DESCRIPTION: |
| ⊙ | DRAIN MANHOLE |
| ⊗ | SEWER MANHOLE |
| □ | CATCH BASIN |
| ⊠ | DOUBLE CATCH BASIN |
| ⊗ | WATER SHUT OFF |
| ⊗ | HYDRANT |
| ⊗ | WATER LINE GATE VALVE |
| ⊗ | SIGN |
| ⊗ | GUY POLE |
| ⊗ | UTILITY POLE |
| ⊗ | LIGHT POLE |
| ⊗ | MAIL BOX |
| ⊗ | DRILL HOLE |
| ⊗ | IRON PIN |
| SYMBOL: | DESCRIPTION: |
| --- | EXISTING CONTOURS |
| --- | LIMIT OF WETLANDS |
| --- | LIMIT OF 100' PERIMETER WETLAND |
| --- | LIMIT OF 50' PERIMETER WETLAND |
| --- | GAS LINE |
| D | DRAIN LINE |
| S | SEWER LINE |
| W | WATER LINE |
| OHW | OVER HEAD WIRE |
| ⊗ | STONE WALL |
| ⊗ | TREE LINE |

- | | |
|----------------------|-----------------------|
| ABBREVIATION: | DESCRIPTION: |
| TC | TOP OF CURB |
| BC | BOTTOM OF CURB |
| BIT. | BITUMINOUS |
| CONC. | CONCRETE |
| VGC | VERTICAL GRANITE CURB |
| CCB | CAPE COD BERM |
| CLF | CHAINLINK FENCE |
| WF | WOOD FENCE |
| TYP | TYPICAL |
| EOP | EDGE OF PAVEMENT |
| FND. | FOUND |
| REC. | RECORD |
| N/F | NOW OR FORMERLY |
| X 123.4 | SPOT ELEVATION |
| C.O.=12.3 | CLEANOUT ELEVATION |
| R=12.34 | RIM ELEVATION |
| I=12.3 | INVERT ELEVATION |
| TS | TOP OF SLOPE |
| BS | BOTTOM OF SLOPE |
| GTD | GRADE TO DRAIN |

HERITAGE DESIGN GROUP, INC.
 PLANNERS • SURVEYORS • ENGINEERS
 8 COUNTRY WAY ONE MAIN STREET
 N. SMITHFIELD, RI 02896 WATKINSVILLE, MA 01888
 TEL 508-266-2088
 FAX 508-266-2067

ASSESSORS INFORMATION:
 ASSESSORS PLAN 176, LOTS 3 & 5
 ASSESSORS PLAN 177, LOT 30

RECORD OWNER:
 C & L INVESTMENTS, LLC
 28 RIDGE HILL ROAD
 NORTH SMITHFIELD, RI 01896

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED OCT 31 2008 FILE # 05-0313
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 PROJECT PLAN MUST BE AT APPROVING AGENCY

Charles A....

REVISIONS				
NO.	DATE	DESCRIPTION	BY	
14	8/29/08	PLANNING BOARD COMMENTS	ESW	
13	3/06/08	DPW COMMENTS	FJO	
12	1/02/08	PLANNING BOARD COMMENTS	FJO	
11	3/12/07	DEM REVISIONS	ESW	
10	01/09/07	DEM REVISIONS	ESW	
9	10/11/06	DEM & PB REVISIONS	ESW	
8	9/8/06	PLANNING BOARD REVISIONS	WCN	
7	8/4/06	RIDOT COMMENT	ESW	
6	5/26/06	RIDOT COMMENT	WCN	
5	5/15/06	DEM COMMENTS	WCN	
4	4/14/06	RIDOT COMMENTS	WCN	
3	3/27/06	RIDOT COMMENTS	WCN	
2	1/12/06	DEM COMMENTS	WCN	
1	8/10/05	DEM COMMENTS	MJV	
NO.	DATE	DESCRIPTION	BY	

PINE RIDGE
PRELIMINARY PLAN
MAJOR LAND DEVELOPMENT
VILLAGE PLANNED DEVELOPMENT
BURRILLVILLE, RHODE ISLAND

UTILITY CONNECTION
PLAN AND PROFILE

Prepared For SEP 29 2008
C & L INVESTMENTS

SCALE: AS NOTED DATE: SEPTEMBER 19, 2005

JOB NO: RI02-103 DRAWING #: RI 02-103-DEFIN-UCPP.dwg
 DRAWN / CHECKED BY: MJV/CGP SHEET: 31 OF 31

CHERYL G. PETERSON
 No. 6493
 REGISTERED PROFESSIONAL ENGINEER
 8.29.08

SEWER FLOW DIVERSION/BYPASS MANAGEMENT PLAN
 THE CONTRACTOR SHALL EMPLOY MEANS AND METHODS, ACCEPTABLE TO THE BURRILLVILLE SEWER COMMISSION, TO PROVIDE UNINTERRUPTED SEWER SERVICE THROUGHOUT CONSTRUCTION. SUCH A PLAN MAY CONSIST OF BLOCKING THE OUTLET TO THE UPSTREAM MANHOLE WITH SANDBAGS AND PUMPING THE FLOW TO A LICENSED SEPTAGE HAULING TRUCK(S), THEN PUMPING THE SEWAGE INTO THE DOWNSTREAM INVERT OF THE DOWNSTREAM MANHOLE. THE CONTRACTOR SHALL PROVIDE A DETAILED PLAN USING THIS OR ANY OTHER PROPOSED METHOD FOR SEWER DIVERSION AND BYPASS DURING CONSTRUCTION TO THE BURRILLVILLE SEWER COMMISSION.