

PREPARED FOR:

WD PARTNERS

950 WINTER STREET
SUITE 4700
WALTHAM, MA 02451

RECORD OWNER:

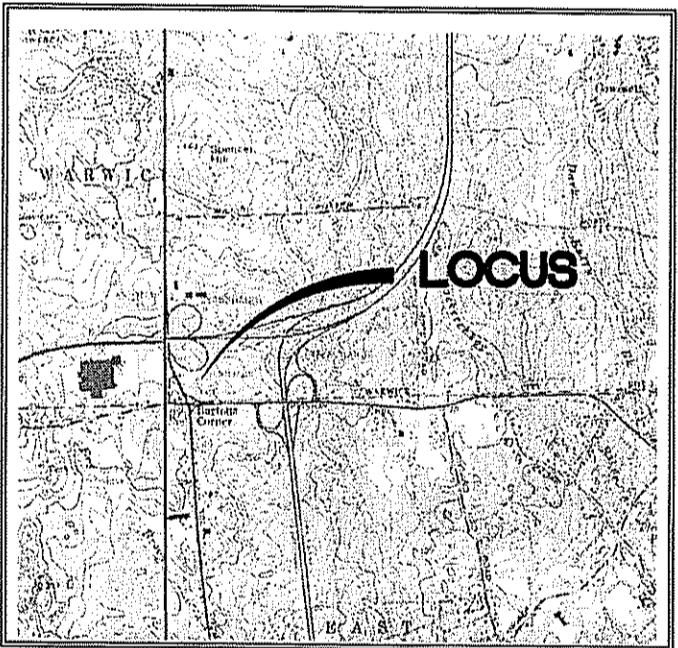
NATIONAL AMUSEMENTS, INC.

3057/245

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 07-0154
DATED JUL 18 2007
SEE LETTER OF SAME DATE.

Matthew D. Wenzel

5			
4			
3			
2	08/16/2006	PARCEL B, SEWER ESMT & LEASE AREA	
1	05/15/2006	ADD ZONING TABLE	
0	05/11/2006	INITIAL ISSUE	
ISSUE DATE		DESCRIPTION	
SMD	KEA	KEA	KCC
FLD	CALC	DWN	CHK'D



**ALTA/ACSM
LAND TITLE SURVEY**

**1200 QUAKER LANE
WARWICK, RI
(KENT COUNTY)**

PREPARED BY:

BEALS AND THOMAS, INC.

Civil Engineers-Landscape Architects
Land Surveyors-Planners-Wetland Scientists
Reservoir Corporate Center
144 Turnpike Road (Route 9)
Southborough, Massachusetts 01772
Tel.: 508-366-0560
Fax: 508-366-4391
(email) mail@btiweb.com
(website) http://www.btiweb.com

DATE: MAY 11, 2006
SCALE: 1"=20'
BTI JOB NO. 1951.00

BTI PLAN NO.
1951P001C-001

TI-1

OBSERVATIONS

KEY	DESCRIPTION
1	X
2	X
?	EXCEPTIONS TAKEN FROM FIRST AMERICAN TITLE INSURANCE COMPANY TITLE COMMITMENT No. NCS-225070-RTT, DATED: MARCH 30, 2006.

FOR NOTES, REFERENCES AND LEGEND SEE SHEET 2.



1000 Winter Street
Suite 2900
Waltham, MA 02451
781.290.2900 T
781.487.9996 F

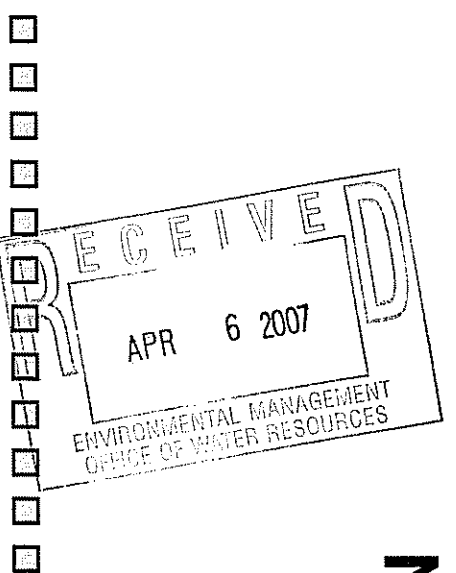
wdpartners.com

Atlanta
Boston
Chicago
Columbus
Dallas
Los Angeles
Miami
Sacramento



1200 Quaker Lane
State Route 2
Warwick, RI

REVISIONS



PROTOTYPE

STORE NUMBER

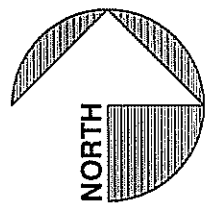
WD PROJECT NUMBER
TRH0006

PP

MASTER PLAN



SCALE: 1" = 50.00'



SYMBOLS LEGEND

DETAIL TITLE . . . **C1.1-01** **SITE DETAIL**
SCALE: 1/4" = 1'-0"

DETAIL REFERENCE C1.1-05

KEYED NOTES 1

REVISIONS

EXISTING SEWER STRUCTURE X1

PROPOSED SEWER STRUCTURE

PROPOSED SEWER PIPE RUN A

PROPOSED PIPE CROSSING

CODE INFORMATION

ZONING:

PROPERTY OWNER: NATIONAL AMUSEMENTS
PROPOSED USE: RESTAURANT
LEASE AREA ACREAGE: 13.216 SQUARE FEET (.30 ACRES)
EXISTING ZONING: GENERAL BUSINESS (GB)
ADJACENT ZONING EAST: RESIDENTIAL (A-4)
ADJACENT ZONING WEST: GENERAL BUSINESS (GB)
ADJACENT ZONING NORTH: LIGHT INDUSTRIAL (L)
ADJACENT ZONING SOUTH: COMMERCIAL (C)

SITE LAYOUT DATA:

MINIMUM DRIVE AISLE WIDTH: 24'
STANDARD PARKING STALL: 9' x 18'
PARKING SETBACK / BUFFER: 10' FRONT
N/A SIDE
N/A REAR
BUILDING SETBACK: 25' FRONT
15' SIDE
20' REAR
60' X 14'

LOADING ZONE REQUIRED:

PARKING DATA:

SEE SITE RENOVATION PLANS BY:
JOHN MEYER CONSULTING
120 BEDFORD RD.
ARMONK, NY 10504

LANDSCAPE DATA:

GREEN AREA: WITHIN LIMITS OF WORK (50,730 SF)
EXISTING: 6,650 SQUARE FEET
REQUIRED: 10% = 5,073 SQUARE FEET
PROPOSED: 8,972 SQUARE FEET
IMPERVIOUS AREA: WITHIN LIMITS OF WORK (50,730 SF)
EXISTING: 44,080 SQUARE FEET
PROPOSED: 41,758 SQUARE FEET
LANDSCAPE REQUIREMENTS:
LANDSCAPING MUST BE IN ACCORDANCE WITH THE CITY OF WARWICK LANDSCAPING ORDINANCE.

BUILDING DATA:

BUILDING AREA
GROSS AREA: 7,135 SQUARE FEET
PUBLIC USE: 3,471 SQUARE FEET
NON-PUBLIC USE: 3,664 SQUARE FEET
SEATING COUNT: 241
BUILDING HEIGHT: 27'-6" MAXIMUM
NUMBER OF STORIES: ONE
EMPLOYEE SHIFT COUNT: 40

BENCHMARK INFORMATION

BM #1 SITE BENCHMARK #1:
SQUARE CUT SET IN LIGHT POLE BASE NORTH WEST OF PROPOSED BUILDING PAD
ELEVATION = 240.82' NGVD29

BM #2 SITE BENCHMARK #2:
SQUARE CUT SET IN LIGHT POLE NORTH OF PROPOSED BUILDING PAD
ELEVATION = 234.71' NGVD29

OWNER



TEXAS ROADHOUSE

6040 Dutchmans Lane
Louisville, KY 40205
www.texasroadhouse.com

DEVELOPMENT CONTACTS

DEVELOPER:
NATIONAL AMUSEMENTS
200 ELM STREET
DEDHAM, MA 02027
JOHN NATINVILLE
781.461.1600

ZONING:
WARWICK PLANNING DEPARTMENT
3275 POST ROAD
WARWICK, RHODE ISLAND 02886
MARK CARRUOLO
401.738.2000 x6289

ELECTRIC:
NATIONAL GRID
280 MELROSE STREET
PROVIDENCE, RHODE ISLAND 02907
JAMES SILVA
401.784.7414

TELEPHONE:
VERIZON
100 NEW ENGLAND WAY
WARWICK, RHODE ISLAND 02886
MARK TUCKER
401.736.7004

STORM WATER:
CITY OF WARWICK ENGINEERING DEPT.
925 SANDY LANE
WARWICK, RHODE ISLAND 02886
JOHN DELUCIA P.E., P.L.S.
401.738.2000 x504

SURVEYOR:
BEALS AND THOMAS INC.
144 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
KENNETH CONTE P.L.S.
508.366.0560

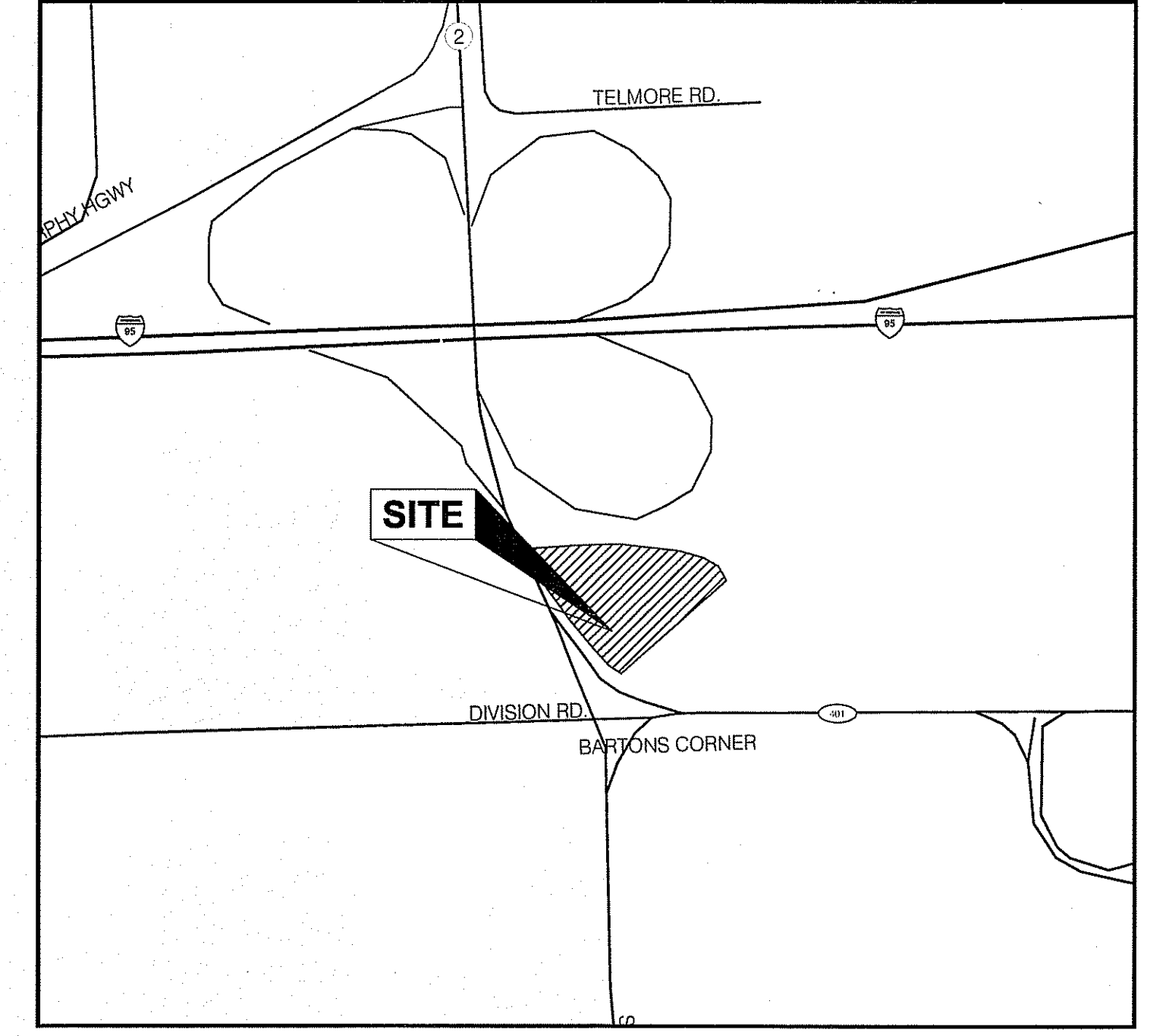
GEOTECHNICAL:
GILES ENGINEERING ASSOCIATES INC.
514 PROGRESS DRIVE
LINTHICUM, MARYLAND 21090
MICHAEL KROENKE
410.636.9320

NATURAL GAS:
NEW ENGLAND GAS
477 DEXTER STREET
PROVIDENCE, RHODE ISLAND 02907
RICK BROOKS
401.525.5641

FIRE:
CITY OF WARWICK FIRE DEPT.
140 VETERANS MEMORIAL DRIVE
WARWICK, RHODE ISLAND 02886
GEORGE CARTER
401.468.4000

SANITARY SEWER:
WARWICK SEWER AUTHORITY
125 ARTHUR DEVINE DRIVE
WARWICK, RHODE ISLAND 02886
JIM FEENEY
401.738.4949

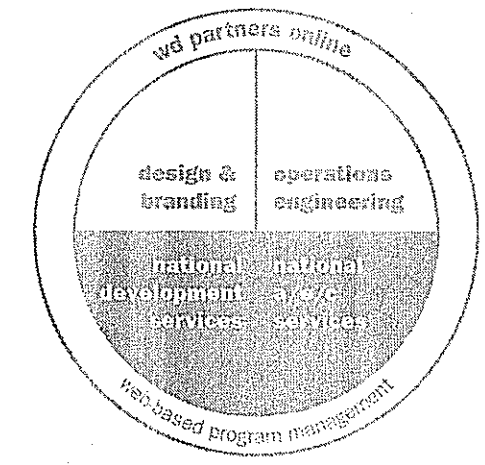
SITE VICINITY MAP



CIVIL ENGINEER



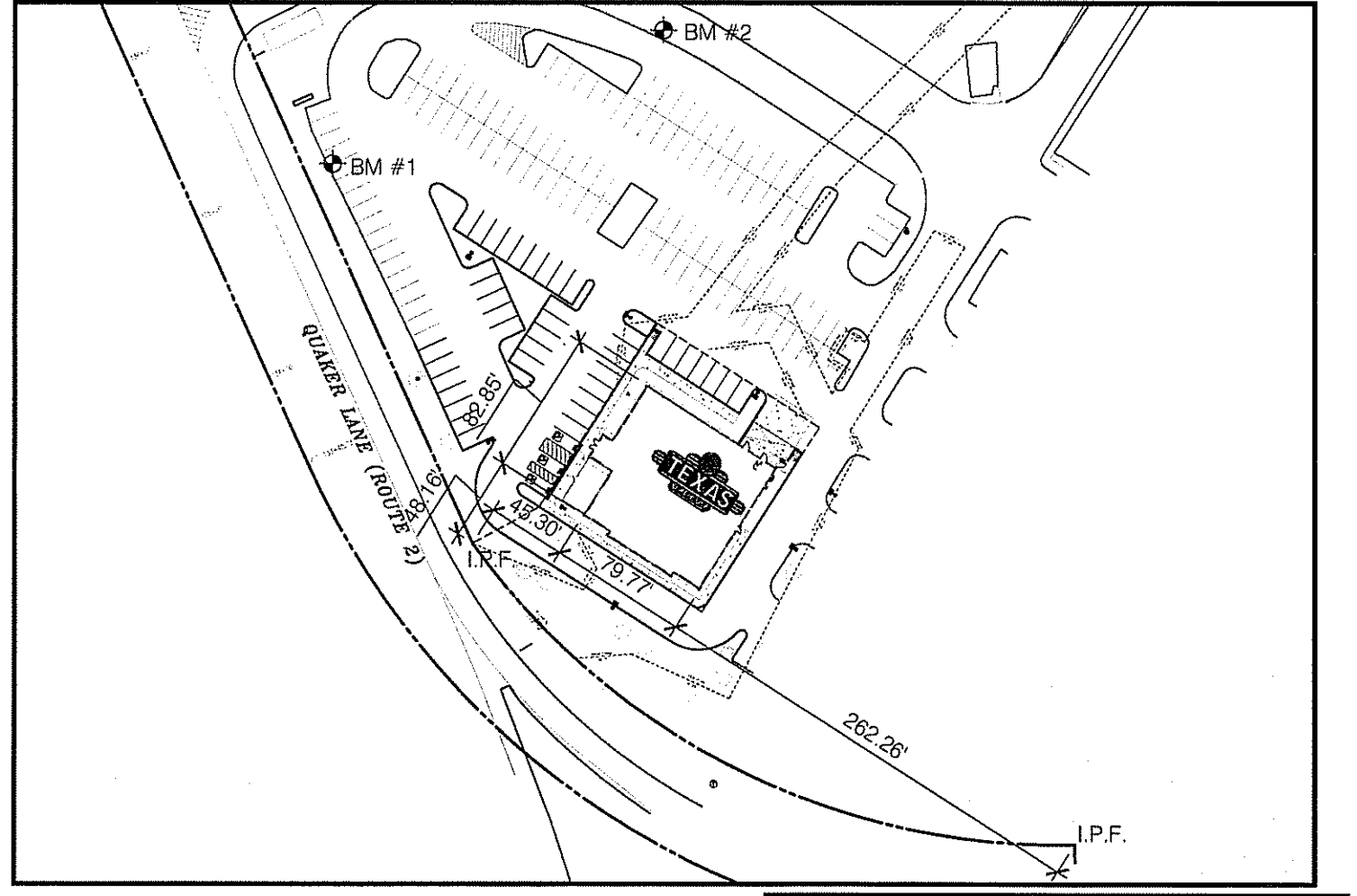
1000 Winter Street
Suite 900
Waltham, MA 02451
781.487.7722 T
781.487.9996 F
innovate@wdpartners.com



www.wdpartners.com

atlanta boston chicago columbus dallas los angeles miami

BUILDING LOCATION PLAN



CALL BEFORE YOU DIG !
RHODE ISLAND LAW REQUIRES EXCAVATORS TO NOTIFY THE REGIONAL NOTIFICATION CENTER AT LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THAN THIRTY (30) CALENDAR DAYS PRIOR TO EXCAVATION.

Dig Safe System, Inc.
www.digsafe.com
1-888-344-7233

DWG. NO. REV. / DATE

<input type="checkbox"/> CS	COVER SHEET AND INDEX
<input type="checkbox"/>	ALTA SURVEY
<input type="checkbox"/> C0	SITE DEMOLITION PLAN
<input type="checkbox"/> C1	SITE IMPROVEMENT PLAN
<input type="checkbox"/> C1.1	SITE DETAILS
<input type="checkbox"/> C2	GRADING AND STORMWATER
<input type="checkbox"/> C3	EROSION CONTROL PLAN
<input type="checkbox"/> C3.1	EROSION CONTROL DETAILS
<input type="checkbox"/> C4	SITE UTILITY PLAN
<input type="checkbox"/> C4.1	SITE UTILITY DETAILS
<input type="checkbox"/> C4.2	SITE UTILITY DETAILS
<input type="checkbox"/> L1	LANDSCAPE PLAN
<input type="checkbox"/> L1.1	LANDSCAPE DETAILS
<input type="checkbox"/> L2	IRRIGATION PLAN

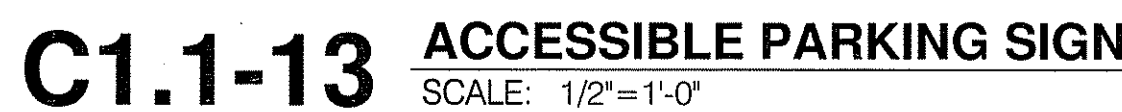
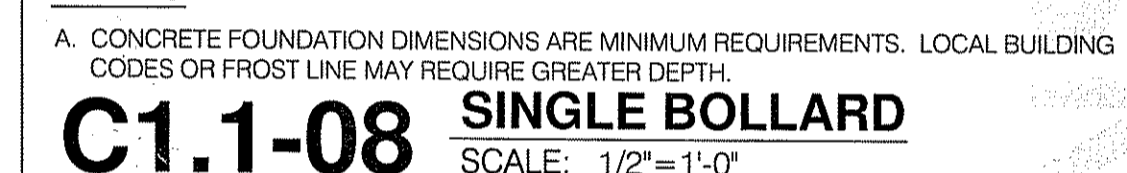
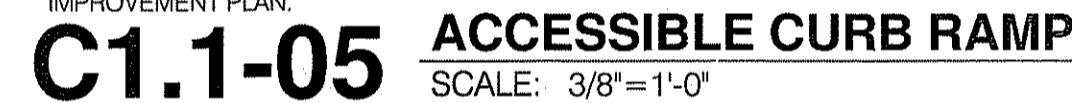
GENERAL NOTES

- ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REQUIREMENTS. CONTRACTORS MUST COMPLY WITH CONTRACTOR REGISTRATION REQUIREMENTS OF ALL GOVERNING AUTHORITIES. ALL REQUIRED CITY / COUNTY / STATE PERMITS SHALL BE ACQUIRED AND PAID FOR BY TEXAS ROADHOUSE LLC. ALL OTHER PERMITS SHALL BE SECURED AND PAID FOR BY THE GENERAL CONTRACTOR.
- DISCREPANCIES BETWEEN PORTIONS OF THE CONTRACT DOCUMENTS, DRAWINGS, AND SPECIFICATIONS ARE NOT INTENDED. STATED DIMENSIONS TAKE PRECEDENCE OVER GRAPHICS. DO NOT SCALE DRAWINGS TO DETERMINE LOCATIONS. THE CONTRACTOR IS TO CLARIFY ANY SUCH DISCREPANCIES WITH THE ENGINEER PRIOR TO COMMENCING WORK.
- APPROVED PLANS SHALL BE KEPT IN A PLAN BOX AND SHALL NOT BE USED BY WORKMEN. ALL CONSTRUCTION SETS SHALL REFLECT SAME INFORMATION. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF PLANS ON THE PREMISES IN GOOD CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE ORDERS.
- GENERAL CONTRACTOR TO REFER TO THESE DOCUMENTS AS WELL AS SPECIFICATIONS FOR IDENTIFICATION OF ALL OWNER SUPPLIED ITEMS. ALL ITEMS NOT MARKED AS 'OWNER SUPPLIED' ARE TO BE SUPPLIED BY THE GENERAL CONTRACTOR. UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE INSTALLED BY GENERAL CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL WHILE WORKING IN THE PUBLIC RIGHT OF WAY OR ADJOINING PROPERTIES. ALL SIGNAGE AND TRAFFIC CONTROL DEVICES SHALL BE PROVIDED IN ACCORDANCE WITH RIDOT TRAFFIC CONTROL REGULATIONS AND PRACTICES.
- TRUCKING ON OR ABOUT THE SITE WILL BE PERMITTED ONLY WITHIN REASONABLE LIMITS AND THE CONTRACTOR SHALL NOT UNREASONABLY ENCUMBER THE PREMISES WITH EQUIPMENT AND MATERIALS. THE STORAGE SHALL BE CONFINED TO SUCH LIMITS AS MAY BE JOINTLY AGREED UPON BY OWNER AND CONTRACTOR.
- THE CONTRACTOR SHALL FURTHER ENFORCE THE OWNERS INSTRUCTIONS REGARDING TEMPORARY PARKING, USE OF ROADS, AND FIRE PREVENTION.
- DEMOLISH AND REMOVE ALL EXISTING STRUCTURES, TREES, FENCES, SLABS, DRIVEWAYS, AND SIDEWALKS, EXCEPT THOSE SPECIFICALLY NOTED TO REMAIN. VERIFY ON-SITE THE EXTENT OF DEMOLITION WORK WHICH MAY OR MAY NOT BE SHOWN ON PLANS.
- WHERE IT IS NECESSARY TO CUT PUBLIC CURBS, THEY SHALL BE RECONSTRUCTED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING JURISDICTION. RECONSTRUCT PUBLIC CURBS AFTER DEMOLITION OF EXISTING APPROACHES.
- GENERAL CONTRACTOR SHALL PROVIDE GROUND POISONING FOR TERMITES AND OTHER INSECTS PRIOR TO FINAL CONCRETE FLOOR INSTALLATION. GENERAL CONTRACTOR SHALL SUBMIT TO OWNER WRITTEN GUARANTEE FROM REPUTABLE EXTERMINATING COMPANY.
- UTILITIES SHOWN ARE TAKEN FROM THE SURVEY AND RECORDS OF RESPECTIVE UTILITY COMPANIES AND DO NOT NECESSARILY REPRESENT ALL UNDERGROUND UTILITIES ADJACENT TO OR ON THE SITE SHOWN ON PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR THE EXPENSE OF REPAIR OR REPLACEMENT OF UTILITIES OR OTHER PROPERTY DAMAGED BY OPERATIONS IN CONJUNCTION WITH THE EXECUTION OF THE WORK.
- CONTRACTOR TO ADJUST AND/OR RECONSTRUCT TO GRADE ALL MANHOLES, CLEANOUTS, AND GREASE TRAPS TO MEET PROPOSED GRADES. SEE THE GRADING PLAN FOR PROPOSED GRADING INFORMATION.
- ALL SITE WORK AND PAVING SHALL BE IN ACCORDANCE WITH OR SURPASS RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. IF THE GEOTECHNICAL REPORT CONFLICTS WITH DRAWINGS AND SPECIFICATIONS, THE MORE PROHIBITIVE OF THE TWO SHALL TAKE PRECEDENCE AND BE CONSIDERED THE INTENT OF THE BID DOCUMENTS. THE OWNER AND/OR ENGINEER ACCEPT NO RESPONSIBILITY FOR THE ACCURACY OF THE SOILS REPORT RECOMMENDATIONS REGARDING GRADING, TRENCHING, ETC. -- CONTACT THE ENGINEER FOR INSTRUCTIONS PRIOR TO THE CONTINUATION OF WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING GRADING OR FOUNDATION CONSTRUCTION.
- THE ACCESSIBLE ROUTE IDENTIFIED ON THE PLAN SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE THAT THE FINAL ACCESSIBLE ROUTE IS CONSISTENT WITH THE DESIGN SHOWN AND CONSTRUCTED IN SUCH A WAY AS TO MEET ALL APPLICABLE REQUIREMENTS. CODE REFERENCES LISTED IN THE PLANS IDENTIFY THE APPLICABLE SECTION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN IN APPENDIX A OF THE TITLE III REGULATIONS (28 CFR PART 36, REVISED JULY 1, 1994) ISSUED BY THE DEPARTMENT OF JUSTICE.
- FOR CONSTRUCTION DETAILS NOT SHOWN, USE THE MANUFACTURER'S APPROVED SHOP DRAWINGS / DATA SHEETS IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND LOCAL REGULATIONS.

ISSUE DATES

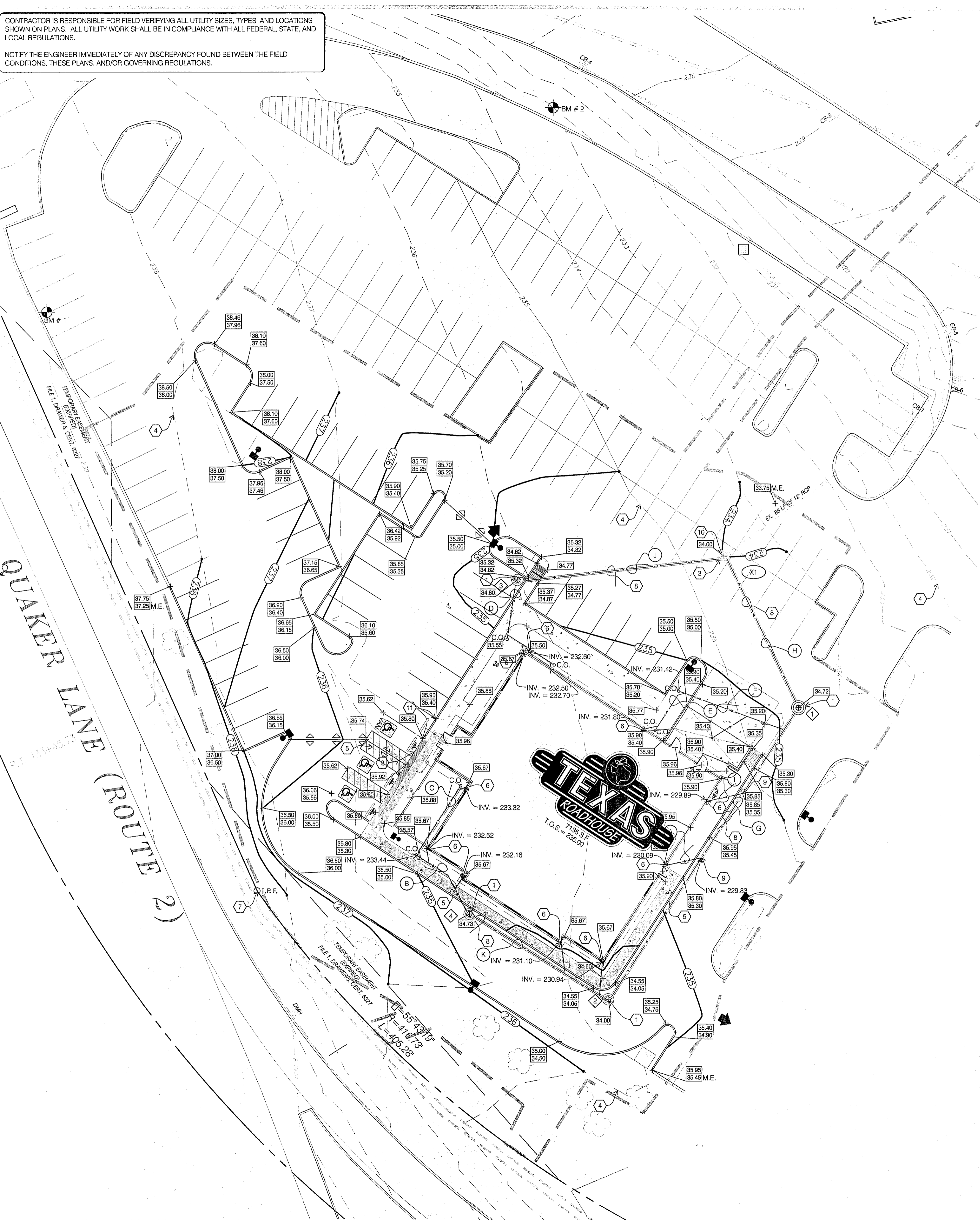
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<input checked="" type="checkbox"/> CLIENT / DEV. REVIEW	09-20-06		WD PROJECT NUMBER
<input checked="" type="checkbox"/> KCWA	09-22-06		TRHTR0006
<input checked="" type="checkbox"/> KCWA	11-09-06		
<input checked="" type="checkbox"/> DEM SUBMITTAL	3-27-07		
<input type="checkbox"/>			
<input type="checkbox"/>			

WARWICK, RI
1200 QUAKER LANE
TEXAS ROADHOUSE



CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL UTILITY SIZES, TYPES, AND LOCATIONS SHOWN ON PLANS. ALL UTILITY WORK SHALL BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCY FOUND BETWEEN THE FIELD CONDITIONS, THESE PLANS, AND/OR GOVERNING REGULATIONS.



STORM WATER NARRATIVE

STORM WATER DETENTION IS PROVIDED BY THE EXISTING DETENTION BASIN TO THE NORTH OF THE SITE. THE PROPOSED PROJECT REDUCES THE AMOUNT OF IMPERVIOUS AREA TRIBUTARY TO THE DETENTION AREA AND DOES NOT ALTER THE TIME OF CONCENTRATION SIGNIFICANTLY. ACCORDINGLY, THE PROPOSED PROJECT WILL HAVE MINIMAL EFFECT ON THE CAPACITY OF THE EXISTING DETENTION AREA. THREE CATCH BASINS ARE PROPOSED, TWO TO THE SOUTH OF THE PROPOSED BUILDING, AND ONE TO THE NORTHWEST. 12" HDPE PIPE WILL CARRY RUNOFF FROM EACH OF THE PROPOSED CATCH BASINS TO THE EXISTING CATCH BASIN TO THE NORTH OF THE PROPOSED BUILDING. THE EXISTING CATCH BASIN RIM WILL BE RE-SET TO RECEIVE STORM WATER RUNOFF FROM THE TRIBUTARY AREA NORTHWEST OF THE PROPOSED BUILDING PAD. FROM THIS CATCH BASIN THE STORM WATER RUNOFF WILL ENTER THE DEVELOPMENTS INFRASTRUCTURE VIA AN EXISTING 12" RCP. THE CAPACITIES OF THE EXISTING PIPE, AND THE PROPOSED PIPE, WERE VERIFIED USING THE RATIONAL METHOD. SEE THE STORM WATER REPORT FOR CALCULATION SUMMARIES. STORM SEWER PIPES ON SITE HAVE BEEN SIZED FOR THE 10-YEAR STORM EVENT USING THE RATIONAL METHOD.

AREA CALCULATIONS

PRE-DEVELOPED AREA	POST-DEVELOPED AREA
GRASS.....6,650 S.F.	GRASS.....8,972 S.F.
PAVING.....44,480 S.F.	BUILDING & PAVING.....41,758 S.F.
TOTAL.....50,730 S.F.	TOTAL.....50,730 S.F.

STORM SYSTEM NOTES

- NORTHING AND EASTING COORDINATES PROVIDED ARE TO THE CENTER OF THE PROPOSED STRUCTURE AND DO NOT NECESSARILY COINCIDE WITH THE LOCATION OF THE STRUCTURE RIM.
- ALL HDPE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH AASHTO M 294 AND MP7-97, SUCH AS ADS N-12 SMOOTH WALL HDPE OR APPROVED EQUIVALENT.
- ALL CMP TO BE CONTECH TYPE 2, ALUMINIZED CMP, 146a ASTM A760 OR APPROVED EQUAL.
- ALL HDPE PIPE SHALL POSSESS MALE AND FEMALE ENDS TO ALLOW OVERLAPPING GASKETED PIPE JOINTS PER AASHTO M294. GASKET MATERIAL SHALL CONFORM TO ASTM F 477. ALL HDPE PIPE SHALL BE CLEARLY MARKED WITH THE FOLLOWING: MANUFACTURERS NAME, NOMINAL PIPE SIZE, AND PRODUCT/ EXTRUSION CODE.
- HDPE PIPE WITH THE FOLLOWING DEFECTS WILL BE REJECTED FOR INSTALLATION: VARIATION FROM STRAIGHT CENTERLINE, NON-ROUND PIPE, ILLEGIBLE MARKINGS, DEEP OR EXCESSIVE GOUGES OR SCRATCHES ON PIPE WALL, FRACTURES, PUNCTURES, CRACKS PASSING THROUGH WALL, DAMAGED/CRACKED ENDS PREVENTING PROPER SEAL.
- ALL PIPE LENGTHS ARE APPROXIMATE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- ALL DRAINAGE PIPE SHALL BE HDPE UNLESS OTHERWISE NOTED ON PLANS.

STORM STRUCTURE SCHEDULE

- | | | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------|
| X1 | EXISTING CATCH BASIN RIM TO BE RESET TO PROPOSED ELEVATION
RIM (R&R) = 234.00
INVERT 12" W = 229.40 IN
INVERT 12" E = 229.40 IN
INVERT 12" = 229.30 OUT | 1 | PROPOSED 4' STORM MANHOLE
SEE DETAIL C1.1-T1
RIM = 234.72
INVERT 6" = 230.62 IN
INVERT 12" = 229.85 OUT
INVERT 12" = 229.95 IN |
| 2 | PROPOSED CATCH BASIN
SEE DETAIL C1.1-07
RIM = 234.00
INVERT 12" = 230.69 IN
INVERT 12" = 230.59 OUT | 3 | PROPOSED CATCH BASIN
SEE DETAIL C1.1-07
RIM = 234.80
INVERT 6" = 232.04 IN
INVERT 12" = 231.00 OUT |
| 4 | PROPOSED CATCH BASIN
SEE DETAIL C1.1-07
RIM = 234.73
INVERT 6" = 231.48 IN
INVERT 12" = 230.98 OUT | | |

STORM PIPE SCHEDULE

- | | |
|---|------------------------------------------------|
| A | 14 LINEAR FEET OF 6" HDPE AT 2.00% MIN. SLOPE |
| B | 41 LINEAR FEET OF 6" HDPE AT 1.00% MIN. SLOPE |
| C | 34 LINEAR FEET OF 6" HDPE AT 1.90% SLOPE |
| D | 49 LINEAR FEET OF 6" HDPE AT 2.00% MIN. SLOPE |
| E | 24 LINEAR FEET OF 6" HDPE AT 1.70% SLOPE |
| F | 58 LINEAR FEET OF 6" HDPE AT 2.00% MIN. SLOPE |
| G | 132 LINEAR FEET OF 12" HDPE AT 0.50% SLOPE |
| H | 64 LINEAR FEET OF 12" HDPE AT 0.75% SLOPE |
| I | 14 LINEAR FEET OF 12" HDPE AT 2.00% MIN. SLOPE |
| J | 79 LINEAR FEET OF 12" HDPE AT 2.10% SLOPE |
| K | 62 LINEAR FEET OF 12" HDPE AT 0.50% SLOPE |

KEYED NOTES

- PROPOSED STORM STRUCTURE. SEE STRUCTURE SCHEDULE.
- PAVEMENT SHALL BE FLUSH WITH WALK IN HANDICAP PARKING AREA. SEE DETAIL C1.1-14.
- RESET RIM OF EXISTING MANHOLE TO ELEVATION 234.00
- EXISTING SITE ELEVATIONS OBTAINED FROM PLANS PREPARED BY BEALS AND THOMAS INC., TITLED "ALTA/ACSM LAND TITLE SURVEY 1200 QUAKER LANE" DATED 05/11/2006.
- 3'-0" MINIMUM WIDTH ACCESSIBLE ROUTE FROM BUILDING TO PUBLIC RIGHT-OF-WAY. CROSS SLOPE IS NOT TO EXCEED 2.00%.
- 6" HDPE STORM LINE FROM DOWNSPOUTS. USE BOOT CONNECTION AND EXTEND TO STORM STRUCTURE. SEE DETAIL C4.1-02. FOR EXACT DOWNSPOUT LOCATIONS, SEE ARCHITECTURAL DRAWINGS. PROVIDE CLEANOUTS AS SHOWN BY "CO" PER DETAIL C4.1-01.
- PROPERTY PIN USED TO DEFINE NORTHING AND EASTING OF STORM STRUCTURE CENTERS. PIN ASSUMED TO BE N-E (1000, 1000). SEE STRUCTURE SCHEDULE FOR NORTHINGS AND EASTINGS.
- 12" HDPE STORM SEWER. SEE STORM PIPE SCHEDULE.
- 6" WYE CONNECTION INTO 12" HDPE STORM MAIN
- CONTRACTOR TO CORE HOLES IN EXISTING CATCH BASIN TO RECEIVE PROPOSED STORM PIPE. PENETRATION IS TO BE WATER TIGHT. ANY VOIDS ARE TO BE GROUTED COMPLETELY. SEE STORM PIPE SCHEDULE FOR PIPE SIZES. SEE STRUCTURE SCHEDULE FOR INVERT ELEVATIONS. FRAME AND GRATE IS TO BE REMOVED AND RESET TO THE PROPOSED RIM ELEVATION.
- CONTRACTOR TO TAPER PAVEMENT FROM FLUSH WITH CURB TO 6" REVEAL AS SHOWN BY SPOT GRADES. MAX. SLOPE ON TAPER IS 1V:10H.

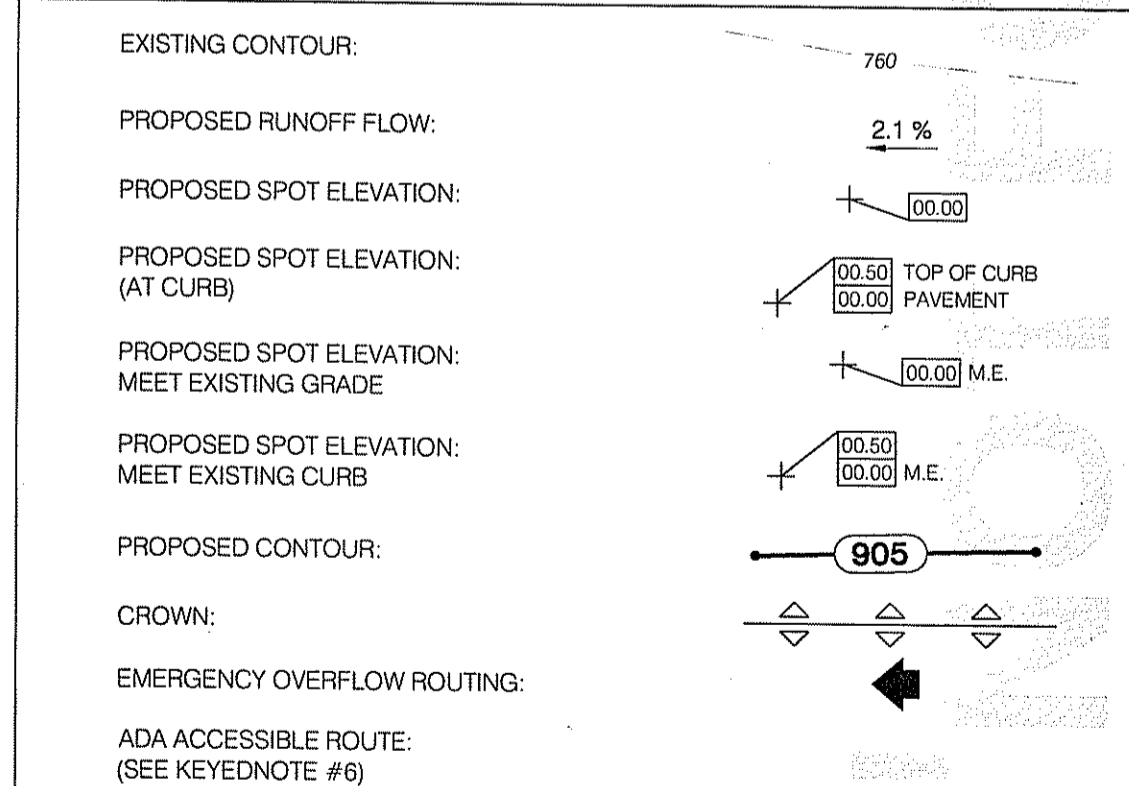
GRADING NOTES

- WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING $\frac{1}{2}$ ". AND SHALL BE A MINIMUM OF 48" IN WIDTH.
- WALKING SURFACE CROSS SLOPES SHALL NOT EXCEED $\frac{1}{4}$ " PER FOOT.
- WALKS, SIDEWALKS AND PEDESTRIAN WAYS SHALL BE FREE OF GRATING WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN THE GRATINGS SHALL BE LIMITED TO $\frac{1}{2}$ " IN THE DIRECTION OF TRAFFIC FLOW.
- ON ACCESSIBLE ROUTES, WHEN THE SLOPE IN THE DIRECTION OF TRAVEL OF ANY WALK EXCEEDS 1V:20H, IT SHALL COMPLY WITH THE PROVISIONS OF A PEDESTRIAN RAMP.
- PER ADA STANDARDS FOR ACCESSIBLE DESIGN 4.5.2: ON ACCESSIBLE ROUTES, CHANGES IN ELEVATION UP TO $\frac{1}{2}$ " ARE ALLOWED. CHANGES GREATER THAN $\frac{1}{2}$ " MUST BE BEVELED NO GREATER THAN 1V:2H AND CHANGES GREATER THAN $\frac{1}{2}$ " SHALL COMPLY WITH REQUIREMENTS FOR CURB RAMPS.
- NO SLOPE SHALL BE GREATER THAN 1V:2H.
- ALL WALKS WITH CONTINUOUS SLOPE SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.
- ASPHALT ELEVATION ADJACENT TO CATCH BASINS TO BE $\frac{1}{2}$ " ABOVE RIM ELEVATION SHOWN FOR CATCH BASIN (TYPICAL).
- INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO THE START OF ANY GRADING ACTIVITIES. REFER TO THE EROSION CONTROL PLAN FOR DETAILS AND PROCEDURES.
- NO GRADING ACTIVITIES SHALL BE PERFORMED OFF-SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJACENT PROPERTY OWNER AND LOCAL JURISDICTION.
- EXISTING GRADES SHALL BE MATCHED ALONG THE PERIMETER OF THE SITE.
- SOILS IMPORTED INTO THE SITE FOR STRUCTURAL FILL SHALL BE CLEAN AND FREE OF ORGANIC MATERIALS.

BENCHMARK INFORMATION

- BM #1 SITE BENCHMARK #1:
SQUARE CUT SET IN LIGHT POLE BASE NORTH WEST OF PROPOSED BUILDING PAD
ELEVATION = 240.82' NGVD29
- BM #2 SITE BENCHMARK #2:
SQUARE CUT SET IN LIGHT POLE NORTH OF PROPOSED BUILDING PAD
ELEVATION = 234.71' NGVD29

GRADING LEGEND



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 07-0154
DATED: JUL 18 2007
SEE LETTER OF SAME DATE.

Signature of Engineer
NORTH

SCALE: 1" = 20.00'

CALL BEFORE YOU DIG!
RHODE ISLAND LAW REQUIRES EXCAVATORS TO NOTIFY THE REGIONAL NOTIFICATION CENTER AT LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THAN THIRTY (30) CALENDAR DAYS PRIOR TO EXCAVATION

 Dig Safe System, Inc.
www.digsafe.com
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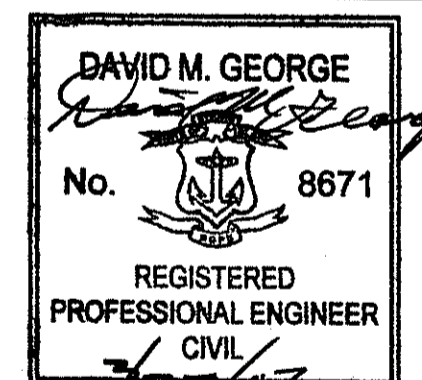
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Suite 2900
Waltham, MA 02451
781.290.2900 T
781.487.9996 F

wdpartners.com

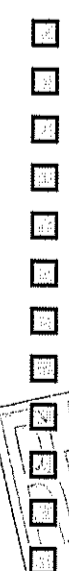
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1200 Quaker Lane
State Route 2
Warwick, RI



REVISIONS



PROTOTYPE

STORE NUMBER

WD PROJECT NUMBER
TRHTR0006

C2

GRADING & STORMWATER

1 PERIMETER PROTECTION. CONTRACTOR TO INSTALL SILT FENCE IN UNPAVED AREAS PER DETAIL C3.1-04. IN PAVED AREAS CONTRACTOR IS TO INSTALL TRIANGULAR DIKE PER DETAIL C3.1-03.

STABILIZATION/CONSTRUCTION ENTRANCE:
(SEE DETAIL C3.1-01)

INLET PROTECTION:
(SEE DETAIL C3.1-02)

SILT FENCE/TRIANGULAR DIKE:
(SEE KEYNOTE #1)

TEMPORARY SOIL STOCKPILE AREA:

EXISTING CONTOUR:

PROPOSED CONTOUR:

EMERGENCY OVERFLOW ROUTING:

THE CONTRACTOR SHALL CONTROL SOIL EROSION RESULTING FROM THE PROPOSED IMPROVEMENTS. THE USE OF SILT FENCING, JUTE MATTING, TEMPORARY SEEDING, SILT CHECKS, INLET PROTECTION AROUND ALL CATCH BASINS, STABILIZED CONSTRUCTION ENTRANCE(S), ETC. MAY BE REQUIRED. REFER TO PLAN. SEDIMENT CONTROL STRUCTURES/DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST CITY OF WARWICK SPECIFICATIONS. SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL FOLLOW THE REQUIREMENTS SET FORTH IN THE APPROVED CONSTRUCTION PERMIT AND SPECIFICATIONS AND AS DETAILED ON THE CONSTRUCTION PLANS, AS SPECIFIED BY THE CITY OF WARWICK, KENT COUNTY, RHODE ISLAND

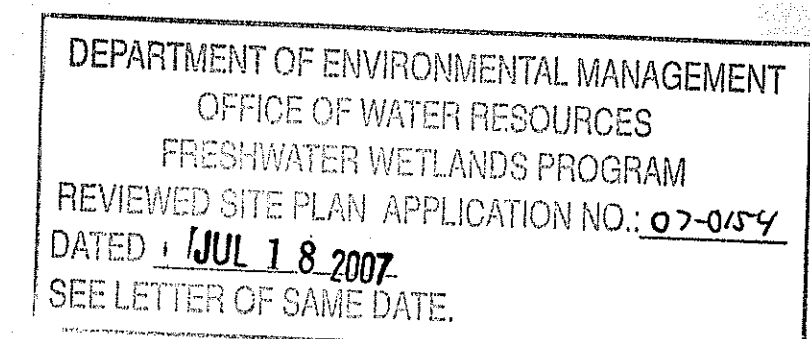
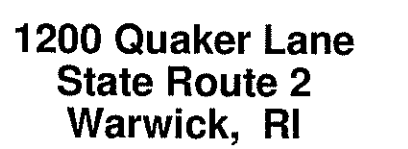
IT IS THE CONTRACTOR'S RESPONSIBILITY TO UPDATE BMP CONTROLS AS SITE CONDITIONS WARRANT. MORE CONTROLS MAY BE REQUIRED PER SITE CONDITIONS. THE CONTRACTOR SHALL INCLUDE THESE COSTS IN THE BASE BID. ANY AREA WHERE EROSION IS OBSERVED MUST BE ADDRESSED BY THE CONTRACTOR, WHETHER SHOWN ON THE PLANS OR NOT. IN THE CASE THAT DOWNSTREAM EROSION IS OBSERVED, THE CONTRACTOR MUST CONTACT THE ENGINEER OF RECORD FOR RECOMMENDATIONS.

PERMANENT EROSION CONTROL, TURF ESTABLISHMENT, AND SOIL STABILIZATION IS THE RESPONSIBILITY OF THE CONTRACTOR. THE INTENT OF THIS PLAN IS TO PROVIDE GUIDANCE FOR PLACEMENT OF BEST MANAGEMENT PRACTICES.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER CLEANING AND DISPOSAL OF ANY DEBRIS TAKEN OFF SITE. CONTRACTOR IS RESPONSIBLE FOR ALL FINES AND FEES FOR IMPROPER PLACEMENT OR MAINTENANCE OF CONTROLS.

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WD PROJECT NUMBER
TRHTR0006

EROSION CONTROL PLAN

CALL BEFORE YOU DIG !
RHODE ISLAND LAW REQUIRES EXCAVATORS TO
NOTIFY THE REGIONAL NOTIFICATION CENTER AT
LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THAN
THIRTY (30) CALENDAR DAYS PRIOR TO EXCAVATION

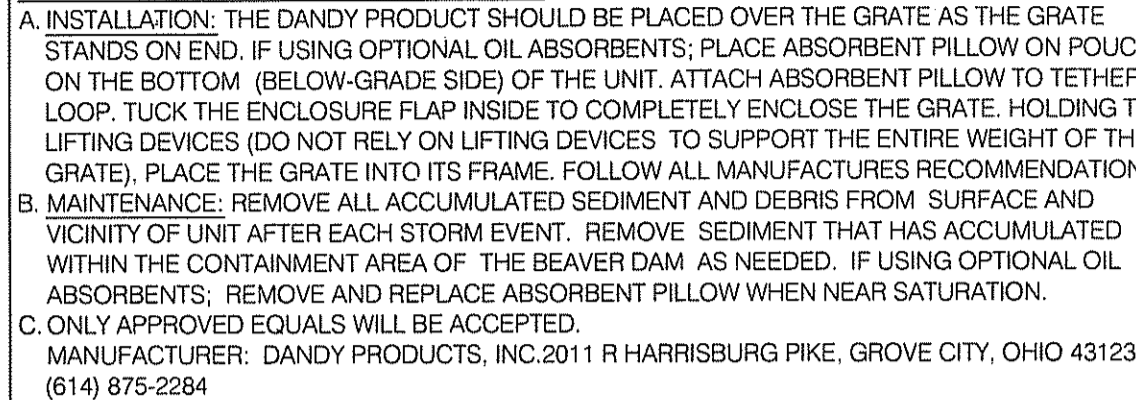


0 10 20 40

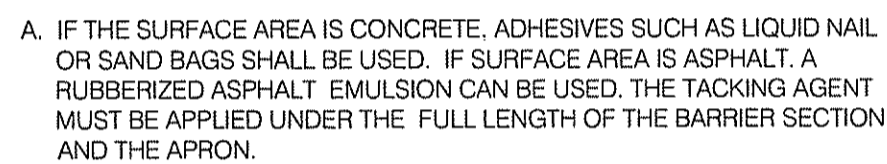
SCALE: 1" = 20.00'



- A. STONE SIZE - USE #2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
- B. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET
- C. DEPTH - NOT LESS THAN SIX (6) INCHES
- D. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
- E. FILTER CLOTH - PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE
- F. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED
- G. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- H. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. USE WATERING TRUCK OR ONSITE SUPPLY AS AVAILABLE.
- I. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN EVENT



C3.1-02 **INLET PROTECTION**
SCALE: NONE

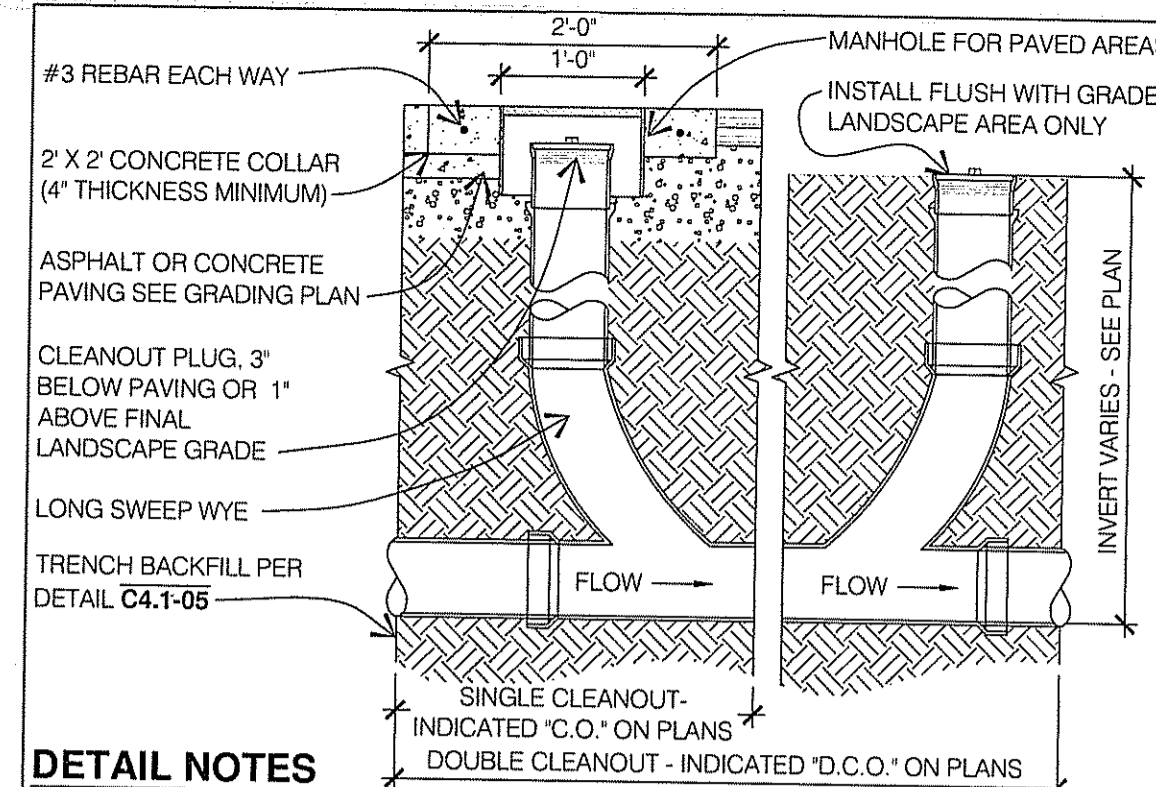


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 07-015-4
DATED JUL 18 2007
SEE LETTER OF SAME DATE.

Martin D. Wencek

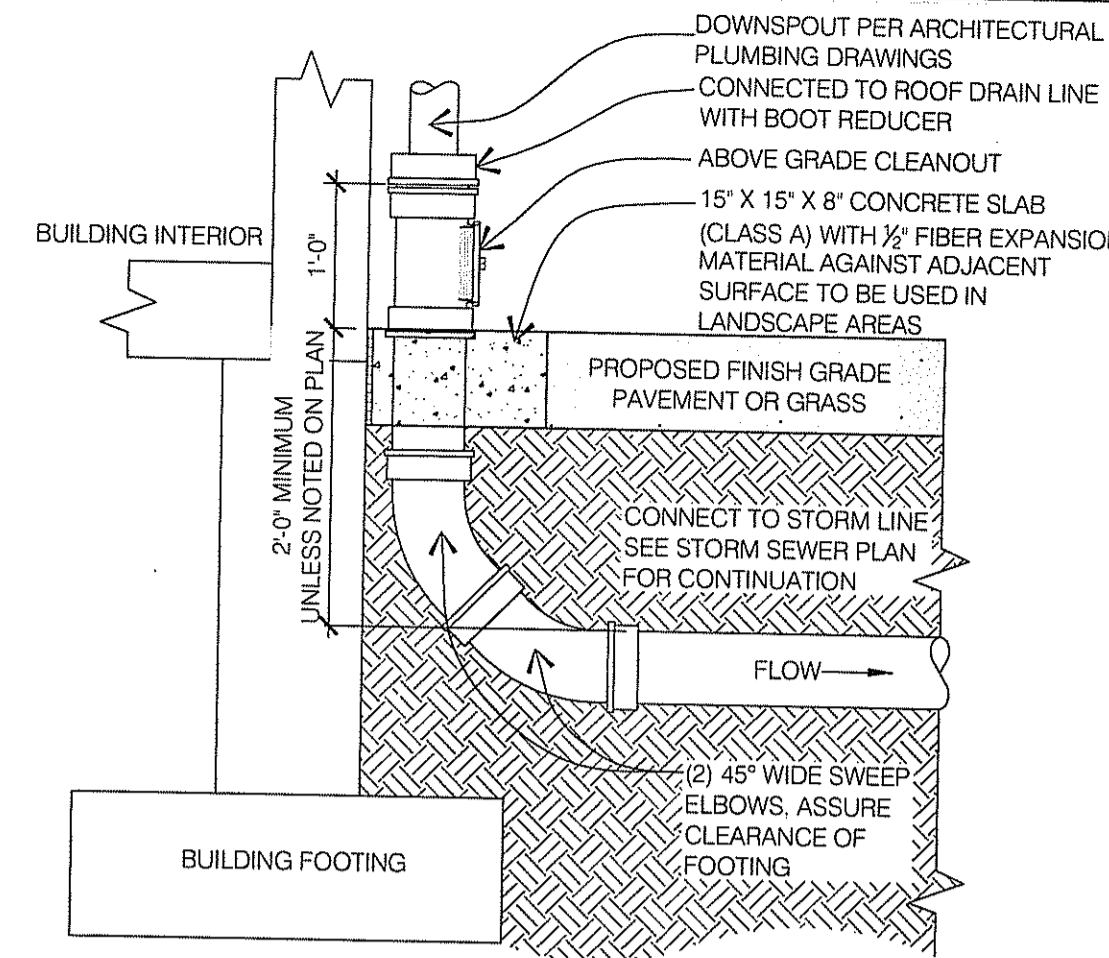
1. NO FUEL OR OIL SHALL BE STORED ON SITE WITHOUT PROPER CONTAINMENT.
2. NO OILS OR GAS SHALL BE DUMPED ON SITE.
3. LOCATION OF TRAILER AND PORTABLE RESTROOM FACILITY SHALL BE FIELD-DETERMINED TO AVOID CONSTRUCTION ACTIVITIES. LOCATION SHALL CHANGE DURING CONSTRUCTION AS NECESSARY.
4. ALL WATERSHED OPERATIONS AS ANTICIPATED ON THIS PROJECT, IF REQUIRED, PUMPED GROUND WATER SHALL BE ROUTED THROUGH SILT CONTROL FACILITY TO FILTER WATER PRIOR TO DISCHARGE.
5. PROJECT SITE SHALL BE KEPT CLEAR OF ALL TRASH AND CONSTRUCTION DEBRIS. CONTRACTOR SHALL HAVE TRASH COLLECTED WEEKLY AND PLACED IN DUMPSTER TO BE HAULED OFF-SITE.
6. ALL WATER SUPPLY WILL BE PROVIDED FROM PUBLIC WATER SUPPLY.
7. ALL HUMAN WASTE SHALL BE IN PORTABLE RESTROOM FACILITY. WASTE IN TOILET CONNECTED TO PUBLIC SEWER SYSTEM. WASTE SHALL BE DISPOSED OF BY A LICENSED VENDOR OR IN A PUBLIC SANITARY SEWER SYSTEM.
8. ANY SPILLED OIL, GAS, ETC. RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED IMMEDIATELY. CONTAMINATED SOILS SHALL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL.
9. DUST SUPPRESSION OPERATIONS SHALL BE PERFORMED BY MEANS OF A WATER CANN OR DISK DISTRIBUTING A FINE MIST OF WATER ONTO THE DUST. CONCENTRATED STREAMS OF WATER SPRAY SHOULD BE AVOIDED.
10. A DESIGNATED CONCRETE SPOILS AREA SHALL BE IDENTIFIED ON THE SITE. ALL AFFECTED SOILS AND CONCRETE SPOILS IN THIS AREA SHALL BE REMOVED FROM THE SITE UPON COMPLETION OF CONCRETE PLACEMENT ACTIVITIES.
11. ANY NON-STORM DISCHARGES SUCH AS, BUT NOT LIMITED TO, FIRE HYDRANT FLUSHINGS, WASH WATERS, DUST CONTROL IRRIGATION DRAINAGE, ETC., THAT DO NOT CONTAIN HAZARDOUS MATERIALS SHALL BE PREVENTED FROM ALLOWING SEDIMENT TRANSPORT INTO STORM SERVICES. FLUSHINGS THAT CONTAIN HAZARDOUS MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWERS AND SHALL BE COLLECTED AND DISPOSED OF IN AN APPROVED MANNER.



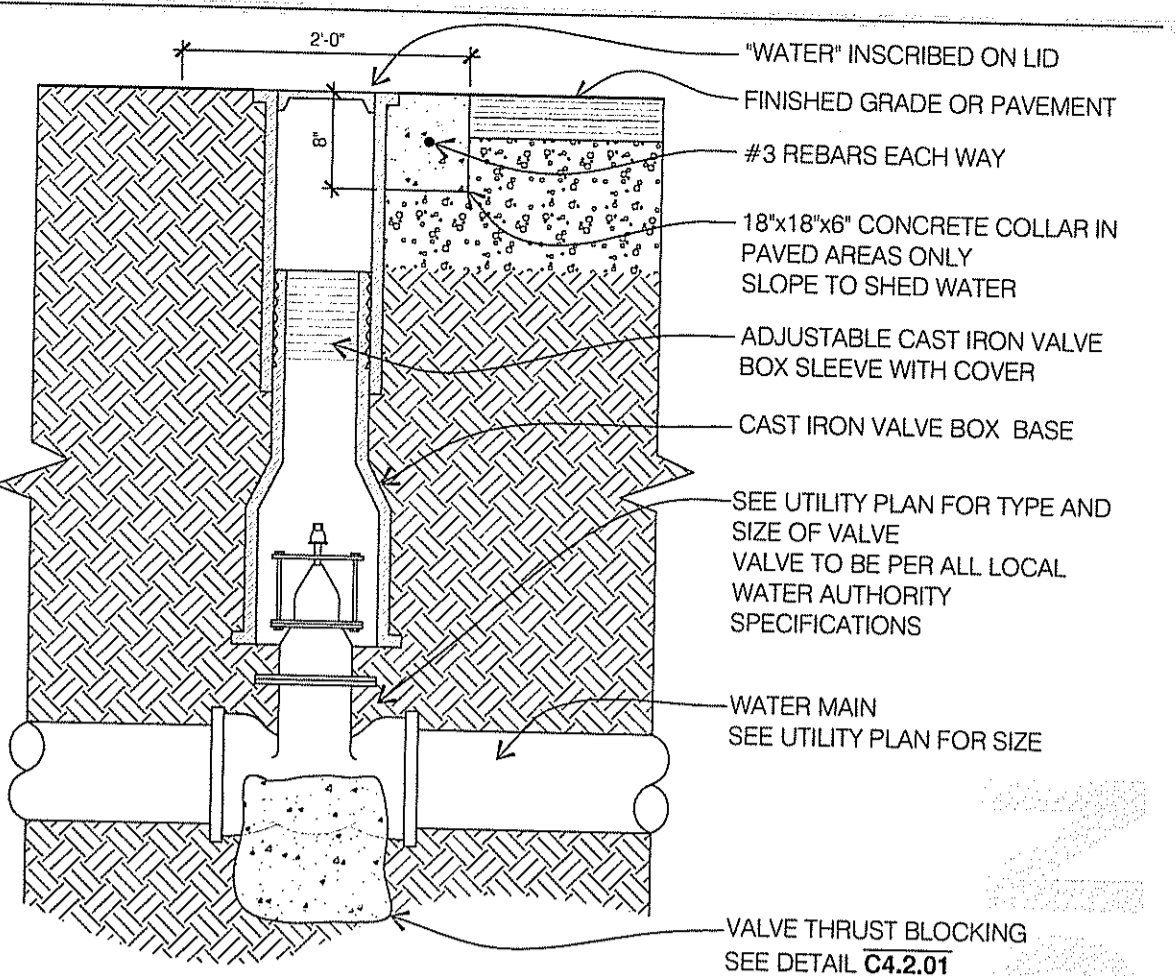


DETAIL NOTES
A. CLEANOUT LOCATIONS INDICATED ON GRADING AND UTILITY PLANS AS "CO" FOR SINGLE CLEANOUT AND "DCO" FOR DOUBLE CLEAN OUT.
B. PROVIDE CLEANOUTS AS SPECIFIED:
1. ZURN Z-1400 CLEANOUTS IN NON-TRAFFIC AREAS AND SIDEWALKS
2. ZURN-1449 CLEANOUTS IN LANDSCAPED AREAS
3. ZURN Z-1400 HD CLEANOUTS IN TRAFFIC AREAS WITH A "SERVICE STATION" TYPE MANHOLE, OPW #104 A12 - DOVER CORP./OPW DIV.

C4.1-01 PIPE CLEANOUT
SCALE: 3/4"=1'-0"



C4.1-02 EXTER. DOWNSPOUT BOOT
SCALE: 3/4"=1'-0"

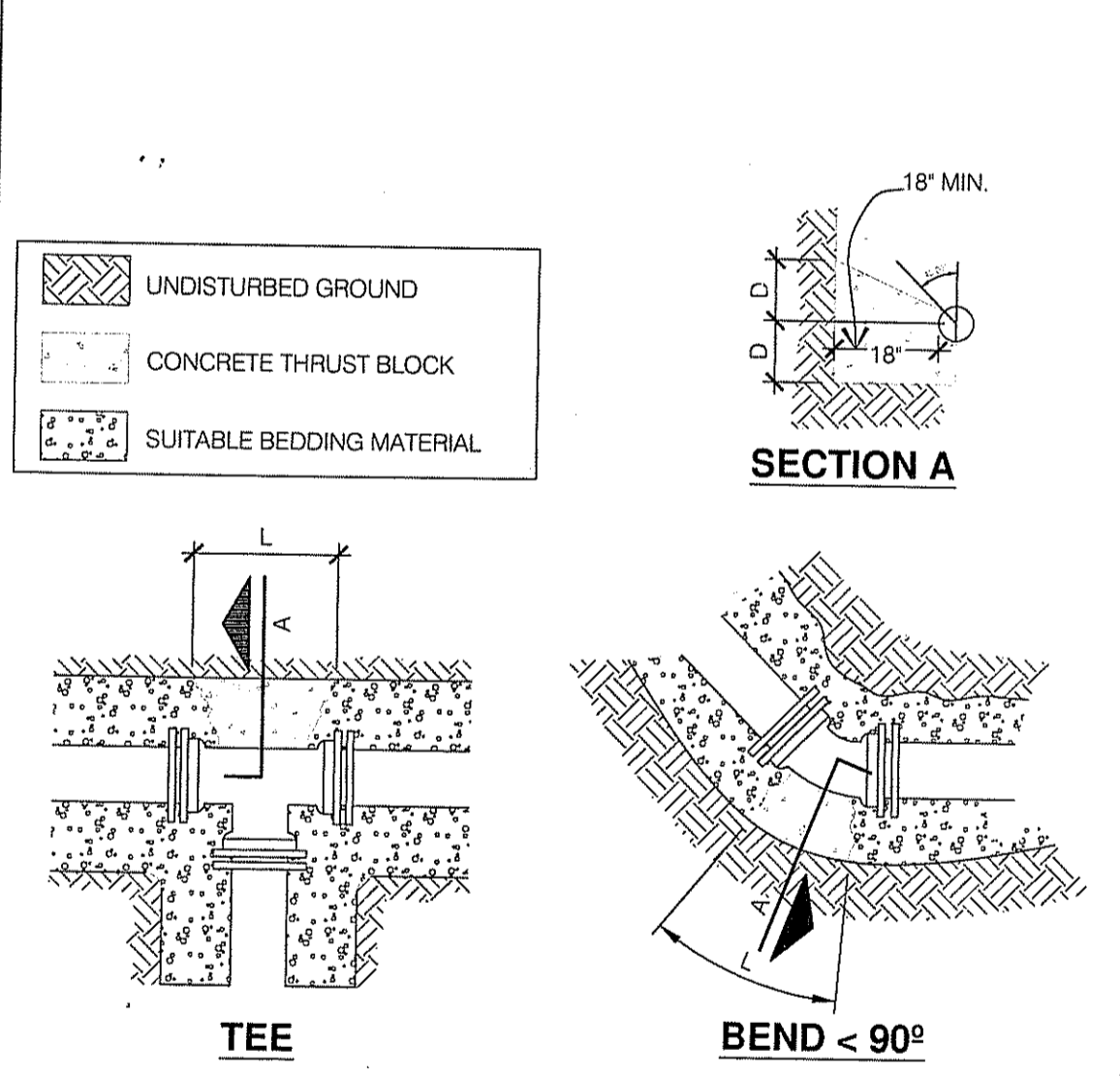


C4.1-03 TYPICAL WATER VALVE BOX
SCALE: NONE

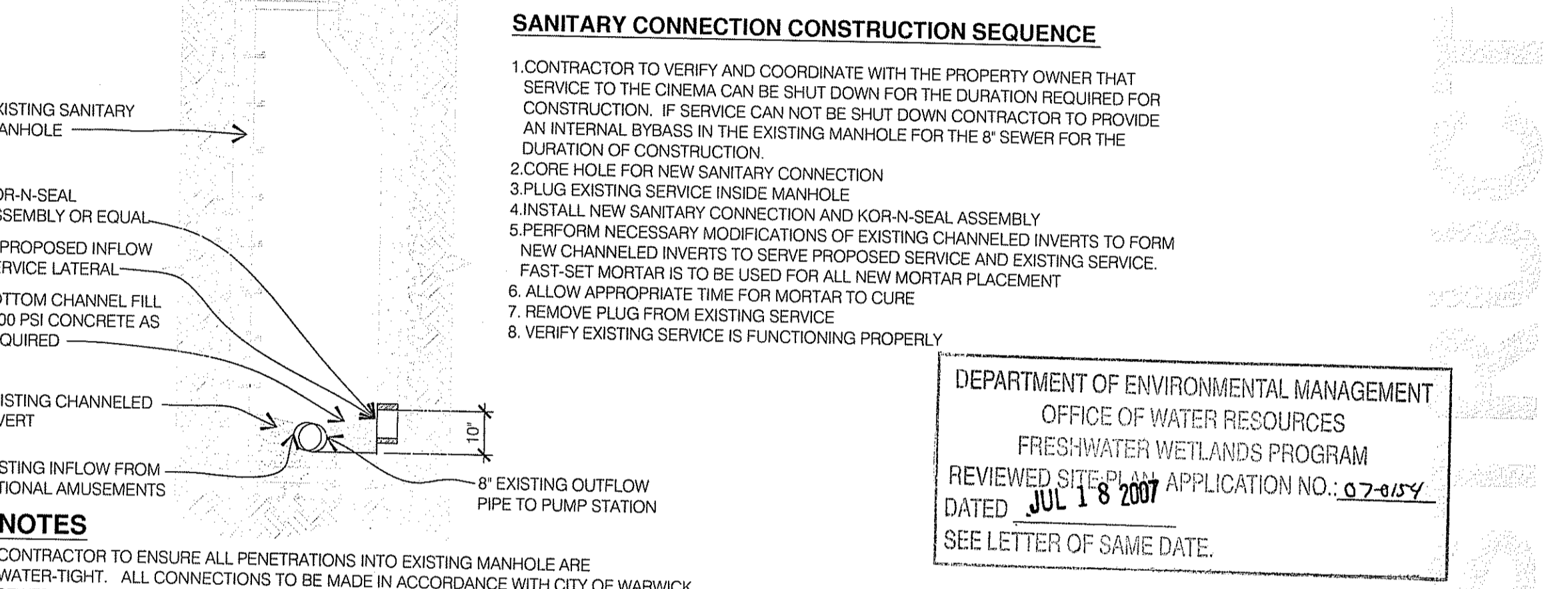
- NOTES**
- ALL ELBOWS AND BENDS SHALL BE BRACED WITH CONCRETE THRUST BLOCK. JOINTS SHALL NOT BE INCASED IN CONCRETE.
 - CONCRETE SHALL BE IN CONTACT ONLY WITH THE FITTING, NOT THE PIPE ITSELF, FASTENERS OR THE JOINT.
 - CONTRACTOR MAY PROPOSE RESTRAINED JOINTS AS A SUBSTITUTION TO THRUST BLOCKS. CONTRACTOR MUST SUBMIT DESIGN CALCULATIONS PREPARED BY A REGISTERED R.E. & RECEIVE APPROVAL FROM KENT COUNTY WATER AUTHORITY PRIOR TO SUBMISSION TO WDPARTNERS.
 - THRUST BLOCKS WERE DESIGNED ON THE FOLLOWING ASSUMPTIONS:
 - BEARING AREA OF CONCRETE IN CONTACT WITH TRENCH WALL (L X D)
 - THRUST BLOCK SIZING BASED ON 150 PSI WATER PRESSURE AND 1500 PSF SOIL BEARING CAPACITY.

BLOCKING FOR TEES				
RUN	BRANCH			
	L	D	V	
6"	21"	10.5"	4.6 c.f.	

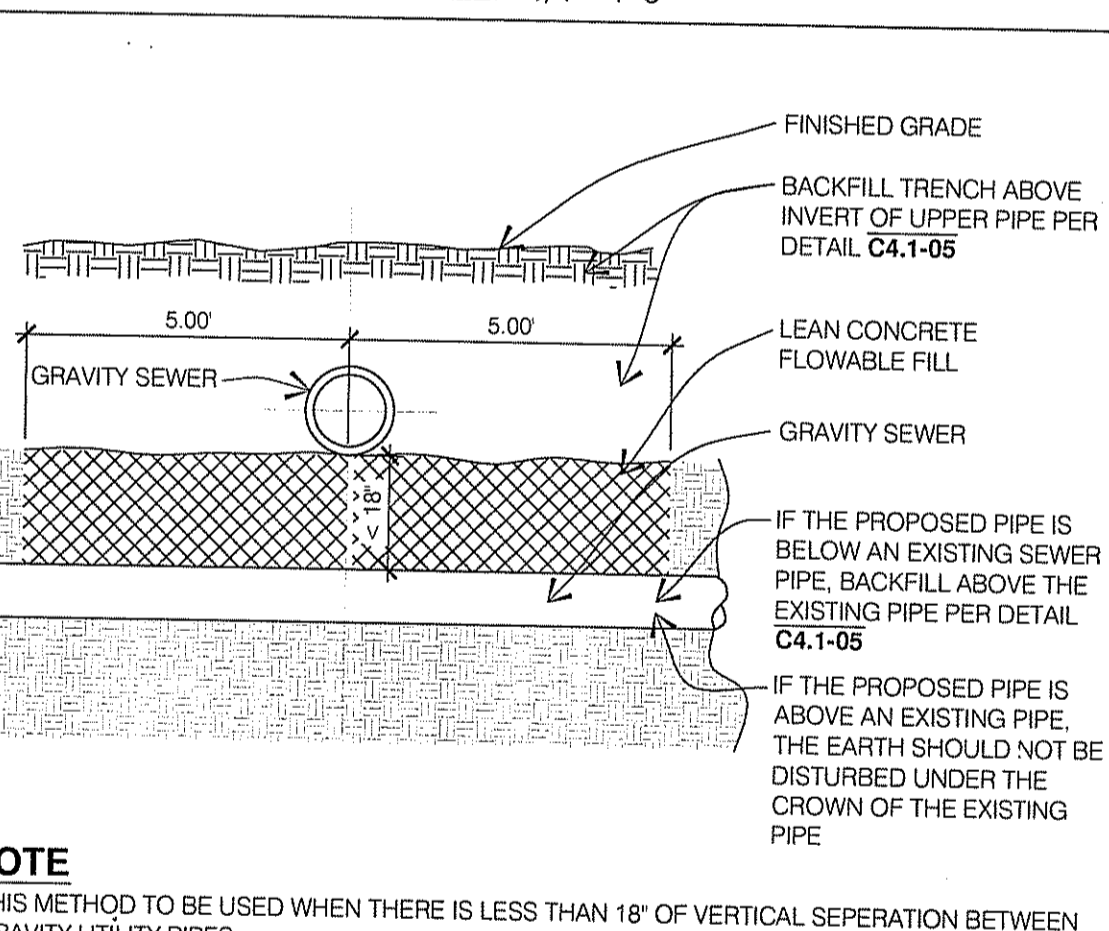
BLOCKING FOR HORIZONTAL BENDS				
SIZE OF PIPE	DEGREE OF BEND			
	L	D	V	
6"	18"	9"	3.4 c.f.	



C4.1-05 THRUST BLOCK DETAILS
SCALE: NONE

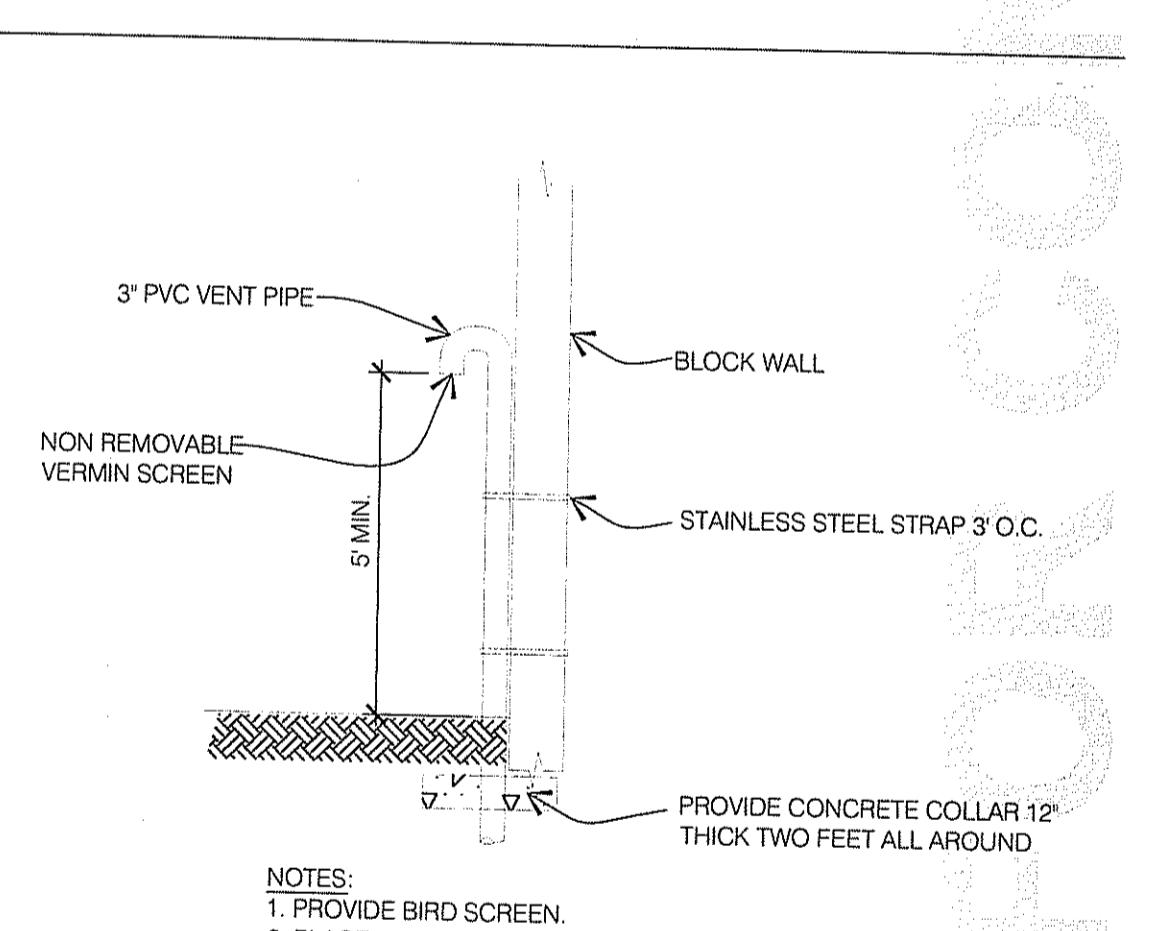


C4.1-04 CONNECTION TO EXISTING SANITARY MANHOLE
SCALE: 1/4"=1'-0"



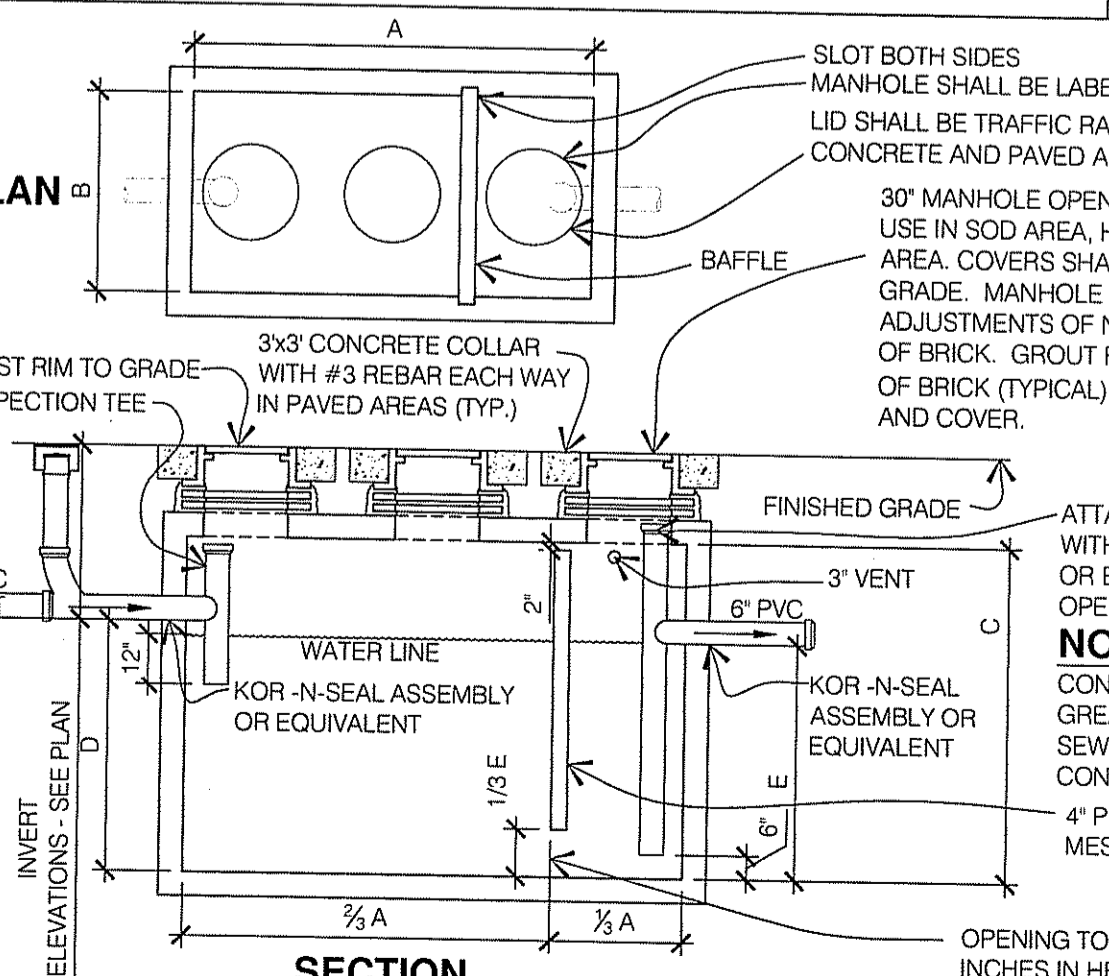
NOTE
THIS METHOD TO BE USED WHEN THERE IS LESS THAN 18" OF VERTICAL SEPARATION BETWEEN GRAVITY UTILITY PIPES.

C4.1-06 LOW CLEARANCE PIPE CROSS
SCALE: 3/16"=1'-0"



NOTES:
1. PROVIDE BIRD SCREEN.
2. PLACE VENT ON SIDE OF POLE IF AVAILABLE
3. CONFIRM VENT(S) LOCATION(S) IN FIELD.

C4.1-07 PVC VENT DETAIL
SCALE: NONE



C4.1-08 SANITARY GREASE INTERCEPTOR
SCALE: NONE

SIZING CHART

GALLON CAPACITY	A	B	C	D	E
4000	14'-0"	7'-6"	7'-6"	5'-6"	5'-2"

GREASE TRAP SIZING CALCULATIONS
GREASE TRAP SIZING IS BASED ON 15 GALLONS PER DAY PER SEAT REQUIRING A MINIMUM GREASE TRAP CAPACITY OF 3525 GALLONS

15 GPD X 235 SEATS = 3525 GALLONS
** USE 4000 GALLON GREASE INTERCEPTOR

DETAIL NOTES

- CONCRETE: 28 DAY STRENGTH = 4,500 PSI
- REBAR: ASTM A615 GRADE 60
- MESH: ASTM A185 GRADE 65
- DESIGN: AC308-83 BUILDING CODE
- ASTM C-857 MINIMUM STRUCTURAL DESIGN LOADING FOR UNDERGROUND PRECAST CONCRETE UTILITY STRUCTURES
- LOADS: H-20 TRUCK WHEEL WITH 30% IMPACT PER AASHO
- FILL WITH CLEAN WATER PRIOR TO SYSTEM START
- CONTRACTOR TO SUPPLY AND INSTALL ALL PIPING AND SANITARY TEES, CLEANOUTS AS REQUIRED PER LOCAL AUTHORITY.
- GRAY WATER ONLY. BLACK WATER TO BE CARRIED BY SEPARATE SEWER
- PLACE UNIT ON 6" COMPACTED AGGREGATE BASE.
- ALL PENETRATIONS ARE TO BE SEALED WITH KOR-N-SEAL ASSEMBLY OR EQUIVALENT.
- GREASE TRAP IS TO HAVE TWO COATS OF BITUMASTIC COATING APPLIED TO THE OUTSIDE SURFACE.

wd partners

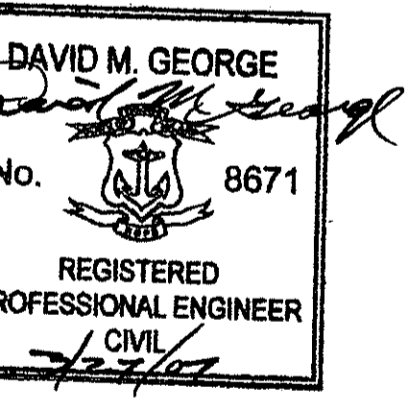
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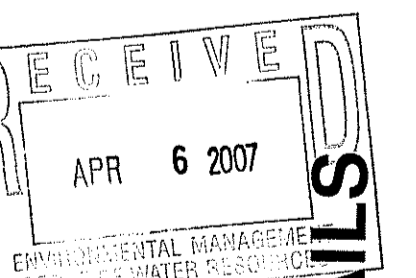
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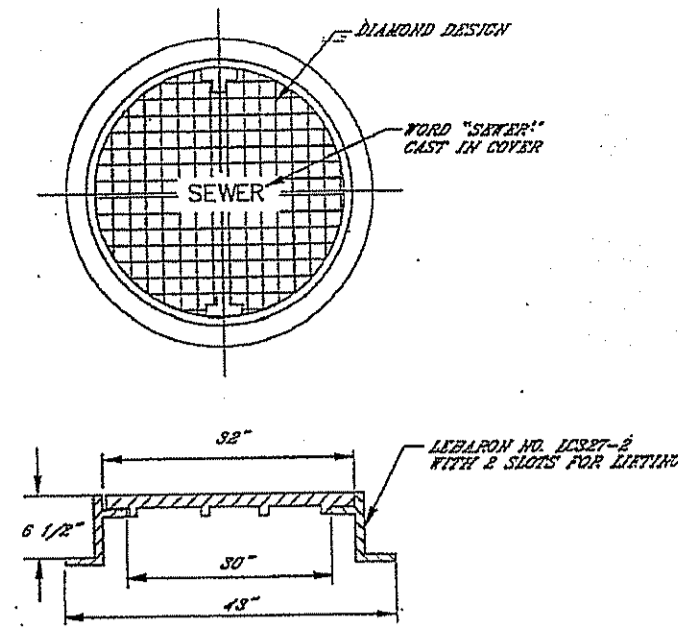
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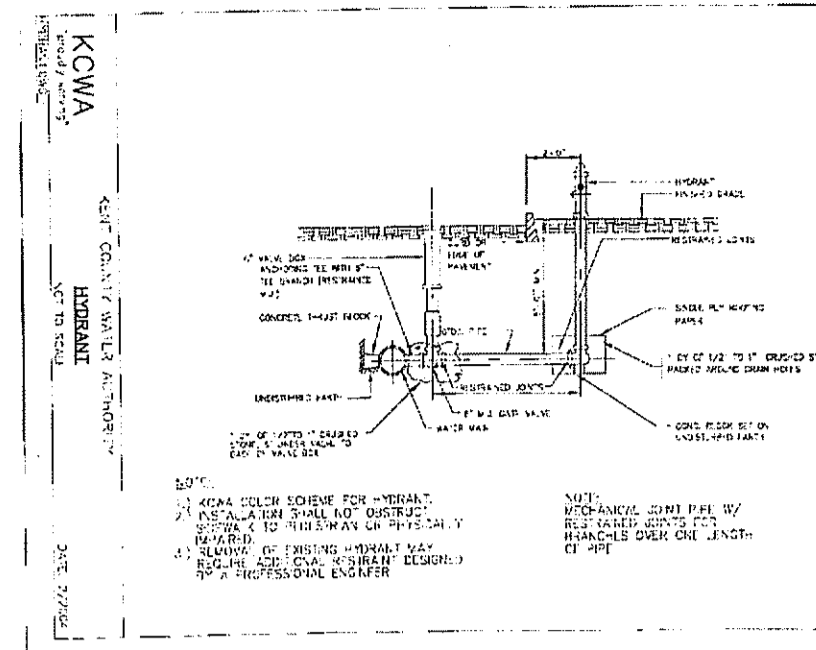
SITE UTILITY DETAILS



SANITARY MANHOLE FRAME & COVER DETAIL

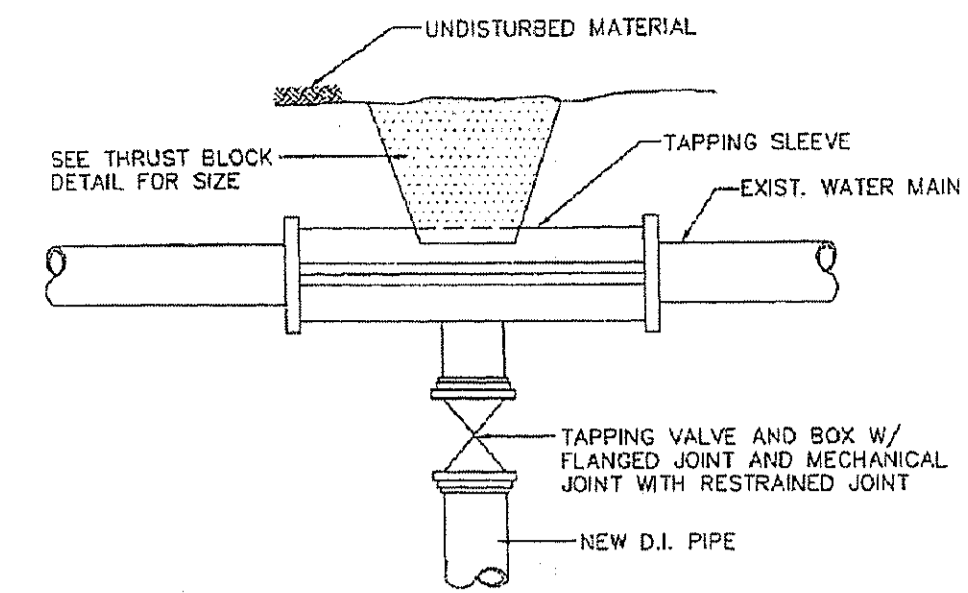
C4.2-01 MANHOLE FRAME AND COVER

SCALE: NTS



C4.2-02 FIRE HYDRANT

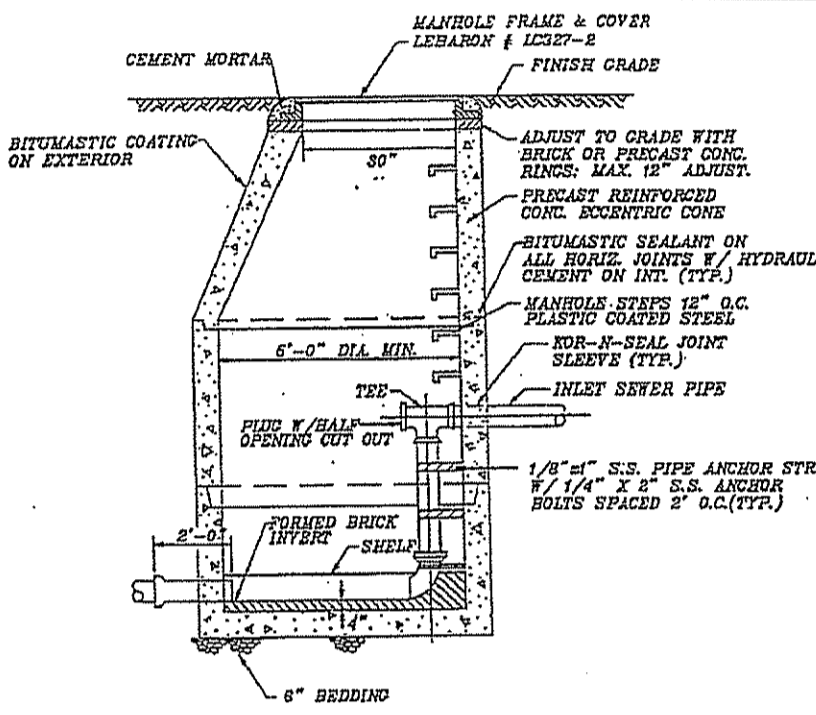
SCALE: NTS



NOTE:
1.) TAPPING SLEEVE AND VALVE TO BE SWABBED WITH CHLORINE SOLUTION.

C4.2-03 TAPPING SLEEVE AND VALVE

SCALE: NTS



NOTE:
1. ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT.
2. DROP PIPE SHALL BE PVC AND SAME SIZE AS INLET SEWER.

INSIDE DROP SANITARY MANHOLE

C4.2-04 SANITARY DROP MANHOLE

SCALE: 1/4"=1'-0"

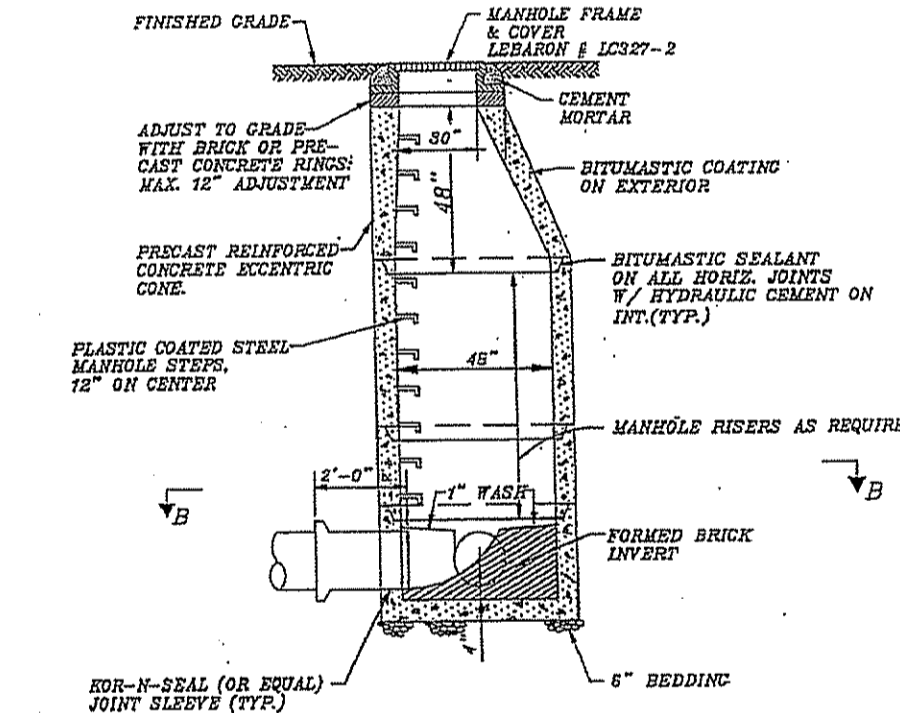
RESTRAINT JOINT LENGTHS (FEET)	RESTRAINED PIPE LENGTHS (FEET)
1/2"	1/2"
3/4"	3/4"
1"	1"
1 1/4"	1 1/4"
1 1/2"	1 1/2"
1 3/4"	1 3/4"
2"	2"
2 1/4"	2 1/4"
2 1/2"	2 1/2"
2 3/4"	2 3/4"
3"	3"
3 1/4"	3 1/4"
3 1/2"	3 1/2"
3 3/4"	3 3/4"
4"	4"
4 1/4"	4 1/4"
4 1/2"	4 1/2"
4 3/4"	4 3/4"
5"	5"
5 1/4"	5 1/4"
5 1/2"	5 1/2"
5 3/4"	5 3/4"
6"	6"
6 1/4"	6 1/4"
6 1/2"	6 1/2"
6 3/4"	6 3/4"
7"	7"
7 1/4"	7 1/4"
7 1/2"	7 1/2"
7 3/4"	7 3/4"
8"	8"
8 1/4"	8 1/4"
8 1/2"	8 1/2"
8 3/4"	8 3/4"
9"	9"
9 1/4"	9 1/4"
9 1/2"	9 1/2"
9 3/4"	9 3/4"
10"	10"
10 1/4"	10 1/4"
10 1/2"	10 1/2"
10 3/4"	10 3/4"
11"	11"
11 1/4"	11 1/4"
11 1/2"	11 1/2"
11 3/4"	11 3/4"
12"	12"

IF CONTRACTOR IS TO SUBSTITUTE RESTRAINT JOINTS FOR THRUST BLOCKS CONTRACTOR MUST SUBMIT DESIGN CALCULATIONS PREPARED BY A R.I.P.E. AND RECEIVE APPROVAL FROM KENT COUNTY WATER AUTHORITY PRIOR TO SUBMISSION TO WD PARTNERS.

KCWA KENT COUNTY WATER AUTHORITY
RESTRAINED PIPE LENGTHS
NOT TO SCALE

C4.2-05 RESTRAINED PIPE LENGTHS

SCALE: NTS

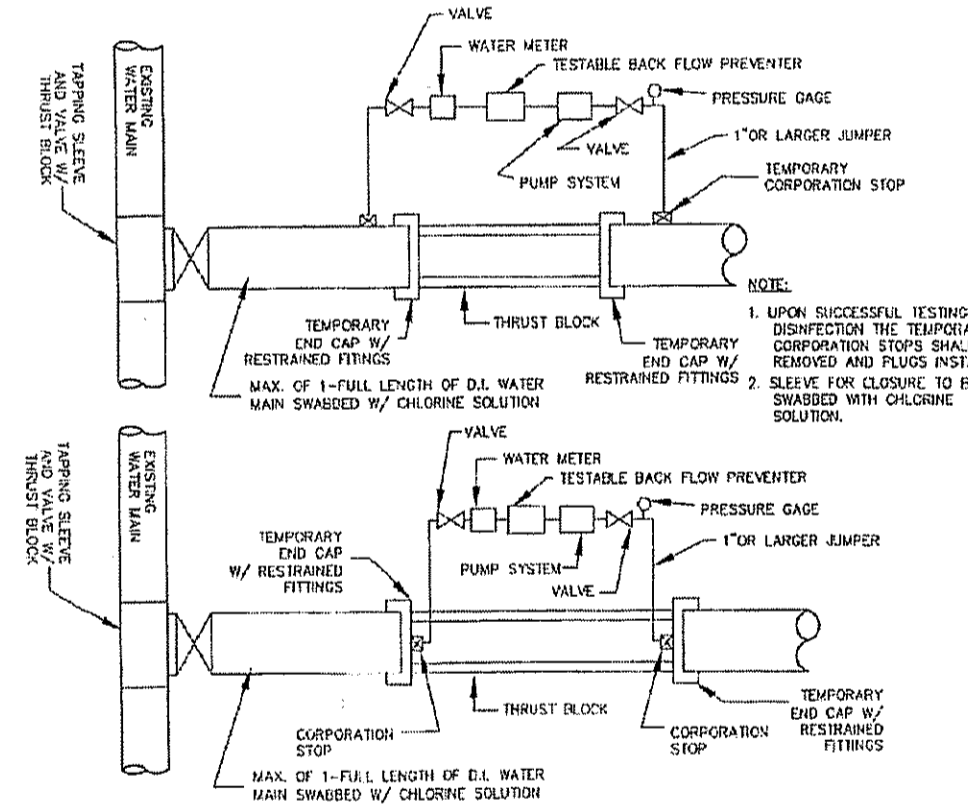


NOTE: ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT.

SANITARY MANHOLE DETAIL

C4.2-06 SANITARY MANHOLE

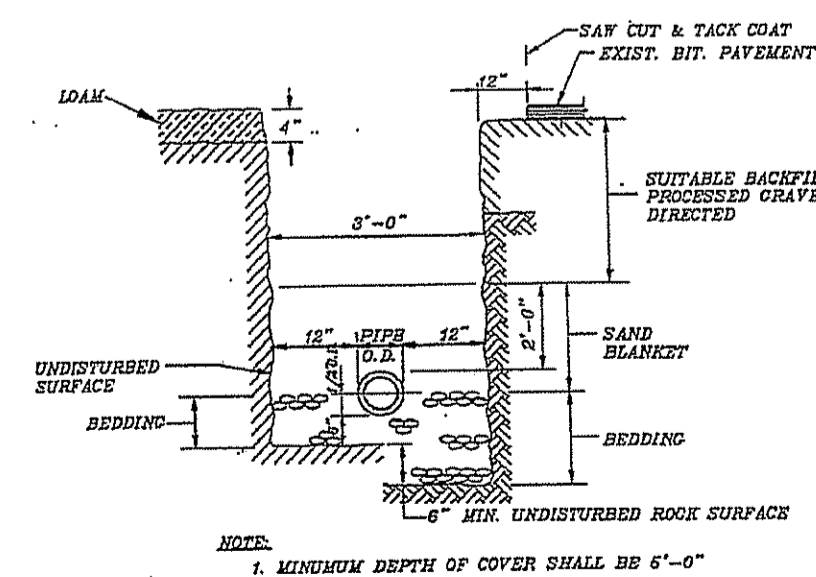
SCALE: 1/4"=1'-0"



KCWA KENT COUNTY WATER AUTHORITY
TEMPORARY CONNECTION FOR PRESSURE TESTING AND DISINFECTION
NOT TO SCALE

C4.2-07 TEMPORARY CONNECTION

SCALE: NTS

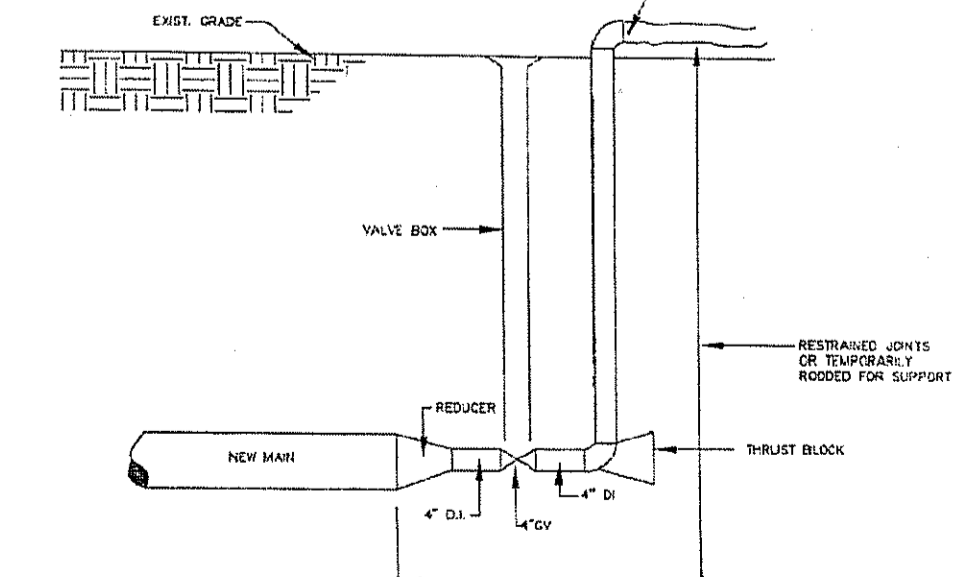


NOTE: 1. MINIMUM DEPTH OF COVER SHALL BE 6'-0"

TRENCH DETAIL

C4.2-08 TRENCH INSTALLATION

SCALE: 3/8"=1'-0"



NOTE: AFTER THE COMPLETION OF THE FINAL TRENCH THE CONTRACTOR SHALL REMOVE THE TEMPORARY FLUSHING CONNECTION AND CONNECT THE NEW WATER TO THE EXIST. WATER MAIN. ALL JOINTS AND FITTINGS SHALL BE SUBMITTED TO THE SATISFACTION OF THE KENT COUNTY WATER AUTHORITY.

KCWA KENT COUNTY WATER AUTHORITY
TEMPORARY FLUSHING CONNECTION
NOT TO SCALE

C4.2-09 TEMPORARY FLUSHING CONN.

SCALE: NTS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 07-0154
DATED JUL 18 2007
SEE LETTER TO WD PARTNERS DATE.

Matthew D. Wences

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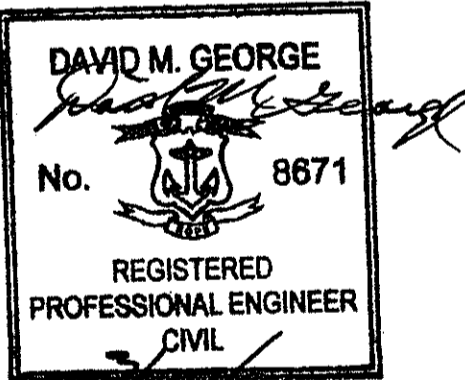
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- C4.2-02
- C4.2-03
- C4.2-04
- C4.2-05
- C4.2-06
- C4.2-07
- C4.2-08
- C4.2-09

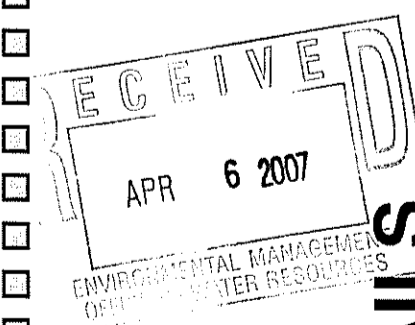
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C4.2

SITE UTILITY DETAILS