

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



1200 Quaker Lane State Route 2 Warwick, RI

REVISIONS

PROTOTYPE

STORE NUMBER

WD PROJECT NUMBER TRHTR0006

SYMBOLS LEGEND

SITE DETAIL DETAIL TITLE . .

DETAIL REFERENCE C1.1-05

- DETAIL I.D. NUMBER - SHEET WHERE SECTION IS LOCATED

DRAWING SCALE

KEYED NOTES ON APPLICABLE SHEET

REVISIONS

-ADDENDUM NUMBER REVISED AREA CLOUDED

EXISTING SEWER STRUCTURE

PROPOSED SEWER STRUCTURE . . .

PROPOSED SEWER PIPE RUN

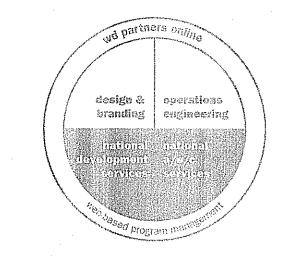
PROPOSED PIPE CROSSING

OWNER

TEXAS ROADHOUSE

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

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



GEOTECHNICAL:

LINTHICUM, MARYLAND 21090

NATURAL GAS:

PROVIDENCE, RHODE ISLAND 02907

514 PROGRESS DRIVE

MICHAEL KROENKE

NEW ENGLAND GAS

477 DEXTER STREET

RICK BROOKS

401.525.5641

410.636.9320

GILES ENGINEERING ASSOCIATES INC.

www.wdpartners.com

SURVEYOR:

144 TURNPIKE ROAD

KENNETH CONTE P.L.S.

508.366.0560

BEALS AND THOMAS INC

SOUTHBOROUGH, MA 01772

CITY OF WARWICK FIRE DEPT.

GEORGE CARTER

401.468.4000

140 VETERANS MEMORIAL DRIVE

WARWICK, RHODE ISLAND 02886

atlanta boston chicago columbus dallas los angeles miami

CIVIL ENGINEER

CODE INFORMATION

NATIONAL AMUSEMENTS

13,216 SQUARE FEET (.30 ACRES)

RESTAURANT

ZONING:

PROPERTY OWNER: PROPOSED USE: LEASE AREA ACREAGE **EXISTING ZONING:** ADJACENT ZONING EAST:

GENERAL BUSINESS (GB) RESIDENTIAL (A-4) GENERAL BUSINESS (GB) ADJACENT ZONING WEST: ADJACENT ZONING NORTH: LIGHT INDUSTRIAL (LI) ADJACENT ZONING SOUTH: COMMERCIAL (C)

20' REAR

SITE LAYOUT DATA: MINIMUM DRIVE AISLE WIDTH: 24' STANDARD PARKING STALL: 9' x 18' PARKING SETBACK / BUFFER: 10' FRON

N/A SIDE N/A REAR BUILDING SETBACK: 25' FRONT 15' SIDE

LOADING ZONE REQUIRED: 60' X 14' PARKING DATA: SEE SITE RENOVATION PLANS BY: JOHN MEYER CONSULTING 120 BEDFORD RD.

ARMONK NY 10504 LANDSCAPE DATA:

BUILDING AREA

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**

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

BENCHMARK INFORMATION

-BM #1 SITE BENCHMARK #1:

EMPLOYEE SHIFT COUNT: 40

SQUARE CUT SET IN LIGHT POLE BASE NORTH WEST OF PROPOSED BUILDING ELEVATION = 240.82' NGVD29

SITE BENCHMARK #2: SQUARE CUT SET IN LIGHT POLE NORTH OF PROPOSED BUILDING PAD

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

ELECTRIC:

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

WATER:

KENT COUNTY WATER 1072 MAIN STREET WEST WARWICK, RHODE ISLAND 02893 JOHN DUCHESNAU 401.821.9300

SITE

SITE VICINITY MAP

TELMORE RD.

BARTONS CORNER

ZONING:

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

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 x6504

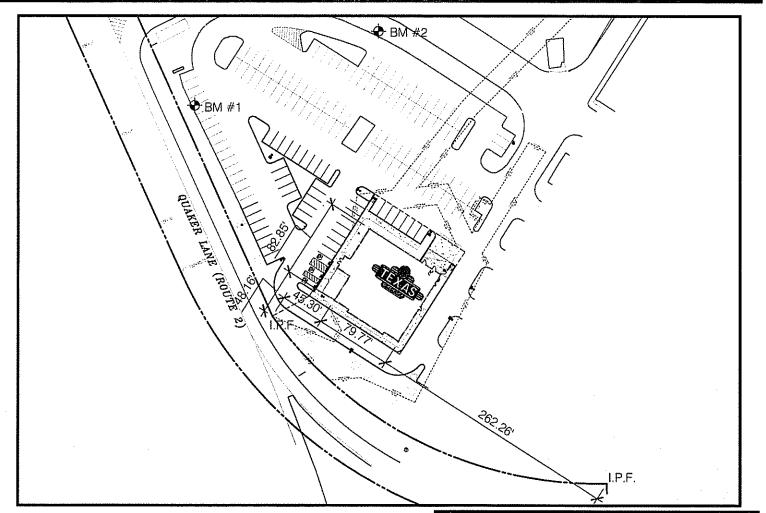
1° = 500

DEVELOPMENT CONTACTS

WARWICK SEWER AUTHORITY 125 ARTHUR DEVINE DRIVE WARWICK. RHODE ISLAND 02886 JIM FEENEY 401.739.4949

SANITARY SEWER:

BUILDING LOCATION PLAN



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

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CONTRACTOR IS TO CLARIFY ANY SUCH DISCREPANCIES WITH THE ENGINEER PRIOR TO COMMENCING WORK C. 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

DWG. NO.

ALTA SURVEY

SITE DETAILS

SITE IMPROVEMENT PLAN

EROSION CONTROL PLAN

SITE UTILITY PLAN

LANDSCAPE PLAN

IRRIGATION PLAN

SITE UTILITY DETAILS

SITE UTILITY DETAILS

LANDSCAPE DETAILS

GRADING AND STORMWATER

EROSION CONTROL DETAILS

□ cs

□ C0

□ C1

☐ C1.1

□ C2

□ C3

□ C3.1

□ C4

☐ C4.1

☐ C4.2

L1

☐ L1.1

□ L2

CONDITION AT ALL TIMES. THIS SHALL INCLUDE ALL ADDENDA AND CHANGE ORDERS. D. 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 JUNLESS

GENERAL NOTES

A. ALL CONSTRUCTION SHALL COMPLY WITH APPLICABLE CODES AND LOCAL REQUIREMENTS. CONTRACTORS MUST COMPLY WITH

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 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

CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL WHILE WORKING IN THE PUBLIC RIGHT OF WAY OR ADJOINING PROPERTIES.

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.

G. THE CONTRACTOR SHALL FURTHER ENFORCE THE OWNER'S INSTRUCTIONS REGARDING TEMPORARY PARKING, USE OF ROADS,

H. DEMOLISH AND REMOVE ALL EXISTING STRUCTURES, TREES, FENCES, SLABS, DRIVEWAYS, AND SIDEWALKS, EXCEPT THOSE

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.

J. 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.

C. 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

M. 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, TRENCHING, ETC. CONTACT THE ENGINEER FOR INSTRUCTIONS PRIOR TO THE CONTINUATION OF WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING GRADING OR FOUNDATION CONSTRUCTION.

N. THE ACCESSIBLE ROUTE IDENTIFIED ON THE PLAN SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. T 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.

09-22-06

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO .: 07-0154 DATED <u>JUL 1 8 2007</u> SEE LETTER OF SAME DATE.

martin D. Wencek

ISSUE DATES

CLIENT / DEV. REVIEW 06-12-06 **■ CLIENT / DEV. REVIEW** 09-20-06

■ KCWA ■ KCWA

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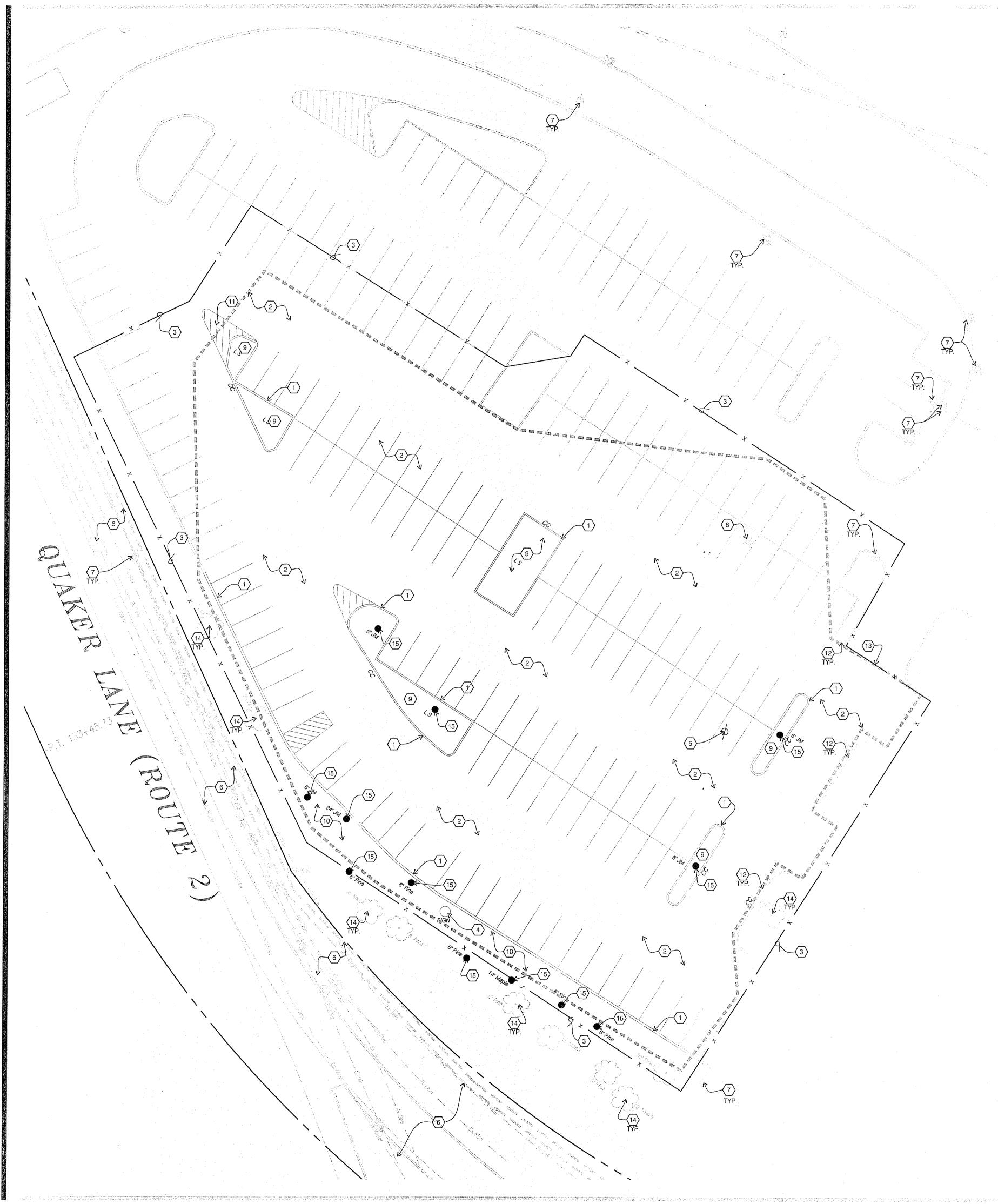
11-09-06 **DEM SUBMITTAL**

STORE NUMBER WD PROJECT NUMBER TRHTR0006

or Miller 💎 9 og digerarde Glaver rander er skrigder hadrig. I broadt 57 980997 (1909 Alberta Heller) Plettedt fotbote i broad i graf brede i bro

→BM #2

ELEVATION = 234.71' NGVD29



DEMOLITION NOTES

- BUILDING AND APPURTENANCES DESIGNATED FOR DEMOLITION SHALL NOT BE DISTURBED BY THE CONTRACTOR UNTIL FURNISHED WITH NOTICE OF POSSESSION AND APPROVAL TO PROCEED FROM OWNER. THE CONTRACTOR SHALL COORDINATE THE SCHEDULE WITH EXISTING TENANTS AND ADJACENT PROPERTY OWNERS.
- FOUNDATIONS, SLABS, AND ALL UNDERGROUND STRUCTURES, AND UTILITIES DESIGNATED FOR REMOVAL SHALL BE REMOVED ENTIRELY. AREAS TO BE BACK FILLED IN 3 ACCORDANCE WITH GEOTECHNICAL REPORT.
- ALL MATERIAL, EXCEPT THAT BELONGING TO A PUBLIC UTILITY COMPANY OR AS IDENTIFIED BY THE OWNER SHALL BECOME PROPERTY OF THE CONTRACTOR. CONTRACTOR SHALL NOTIFY OWNER OF WATER, ELECTRIC OR GAS METERS WHEN METERS ARE READY FOR REMOVAL. CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING ALL UTILITIES IN COMPLIANCE WITH LOCAL REQUIREMENTS.
- AS SOON AS DEMOLITION WORK HAS BEEN COMPLETED AND APPROVED BY THE OWNER, PAVEMENT AND GRADING OPERATIONS MAY BEGIN.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES THAT ARE INTENDED TO PROVIDE SERVICE WHETHER SHOWN ON THE PLANS OR NOT.
- CONTRACTOR TO NOTIFY NATIONAL AMUSEMENTS OF ANY UTILITIES LOCATED WITHIN THE PAD AREA. IF UTILITY IS REQUIRED, CONTRACTOR SHALL RELOCATE UTILITY OUTSIDE OF THE PAD AREA. IF NOT REQUIRED, COORDINATE REMOVAL WITH NATIONAL AMUSEMENTS REPRESENTATIVE.
- CONTRACTOR TO VERIFY ALL UTILITIES THAT WILL BE AFFECTED BY SITE WORK. CONTRACTOR TO COORDINATE WITH NATIONAL AMUSEMENTS REPRESENTATIVE PRIOR TO DISTURBING ANY UTILITIES. IF NATIONAL AMUSEMENTS SERVICES WILL BE AFFECTED COORDINATE CONSTRUCTION SCHEDULE WITH NATIONAL AMUSEMENTS
- EXISTING UTILITIES AND TOPO LOCATIONS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS WHETHER SHOWN ON PLANS OR NOT.
- PRIOR TO INITIATING DEMOLITION WORK. THE CONTRACTOR SHALL DEVELOP A VIDEO RECORD OF THE EXISTING STRUCTURES AND SURROUNDING PROPERTIES. THE RECORD SHALL INCLUDE CONDITIONS OF EXISTING STREETS AND ADJACENT PROPERTIES. ONE COPY OF THE VIDEO RECORD SHALL BE PROVIDED TO THE OWNER AND ONE TO THE
- ALL DEBRIS FROM DEMOLITION, NOT BEING REUSED, SHALL BE HAULED OFF SITE AND DISPOSED OF BY LEGAL MEANS.
- CONTRACTOR SHALL NOT RESTRICT ACCESS TO ADJOINING PROPERTIES DURING DEMOLITION OR CONSTRUCTION. ACCESS SHALL BE MAINTAINED SO AS NOT TO INTERRUPT NORMAL OPERATIONS OF ADJACENT FACILITIES.
- CONTRACTOR SHALL NOT ALLOW ANY UTILITY OR SERVICES TO NATIONAL AMUSEMENT'S PROPERTY OR ADJACENT PROPERTIES TO BE INTERRUPTED WITHOUT THE EXPRESSED WRITTEN PERMISSION OF THE RESPECTIVE OWNERS. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ALL UTILITY SERVICES TO THE BUILDING. IF IT IS NECESSARY FOR CONNECTIONS TO BE INTERRUPTED, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE TEMPORARY SERVICES (I.E., GENERATORS, PORTABLE GAS TANKS, ETC.). THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL UTILITY ABANDONMENT AND REMOVAL WITH THE RESPECTIVE UTILITY COMPANIES.
- ANY EXISTING UTILITIES COMPLETELY EXCAVATED AND REMOVED SHALL BE BACKFILLED IN ACCORDANCE WITH GEOTECHNICAL REPORT.
- PENDING APPROVAL FROM LOCAL JURISDICTION, OWNER, AND ENGINEER, CONTRACTOR MAY USE ON SITE, REMOVED PAVING MATERIALS AS FILL MATERIAL IN PROPOSED PARKING AREAS. ASPHALT MUST BE GROUND UP TO 3" SIZE CRUSHED MATERIAL. VERIFY WITH ON-SITE GEOTECHNICAL ENGINEER THAT MATERIALS ARE SUITABLE FOR PLACEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PHASING AND PLACEMENT OF RECYCLED MATERIALS.
- WORK CANNOT OCCUR OUTSIDE OF THE DEMOLITION LIMITS WITHOUT PRIOR CONSENT OF OWNER, ADJACENT OWNER, AND LOCAL JURISDICTION.
- EROSION CONTROL PRACTICES MUST BE IN PLACE AND MAINTAINED DURING DEMOLITION.
- Q. GENERAL CONTRACTOR IS TO PRESENT LICENSING INFORMATION TO THE STATE ENVIRONMENTAL PROTECTION AGENCY THIRTY (30) DAYS PRIOR TO COMMENCEMENT OF

CALL BEFORE YOU DIG

RHODE ISLAND LAW REQUIRES EXCAVATORS TO

LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THA

THIRTY (30) CALENDAR DAYS PRIOR TO EXCAVATION

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KEYED NOTES

- EXISTING CURB TO BE REMOVED. SAWCUT AT LIMITS OF DEMOLITION TO CONNECT TO PROPOSED CURBING. SEE SITE IMPROVEMENT PLAN FOR LIMITS OF PROPOSED CURBING.
- 2 EXISTING PAVING TO BE REMOVED FULL DEPTH WITHIN LIMITS OF DEMOLITION. COORDINATE LIMITS OF FULL DEPTH REMOVAL WITH SHEET $\overline{\textbf{C1}}$.
- GENERAL CONTRACTOR TO INSTALL CONSTRUCTION FENCING AROUND THE PERIMETER OF THE CONSTRUCTION AREA. THE CONTRACTOR SHALL VERIFY THAT ACCESS TO CONSTRUCTION AREA IS AVAILABLE AT ALL TIMES. COORDINATE WITH NATIONAL AMUSEMENTS REPRESENTATIVE PRIOR TO INSTALLING THE FENCE.THE FENCE SHALL AFFECT AS LITTLE PARKING AS POSSIBLE AND CONTRATOR SHALL PHASE FENCING AS NECESSARY TO ACCOMODATE THIS. ACCESS POINTS AND LIFE-SAFETY EGRESS SHALL COMPLY WITH OSHA REQUIREMENTS.
- EXISTING SITE SIGN AND BASE TO BE REMOVED. CONTRACTOR TO VERIFY USE OF SIGN & COORDINATE REMOVAL WITH NATIONAL AMUSEMENTS.
- EXISTING SITE LIGHT TO BE RESET ON NEW POLE BASE. SEE SHEET $\overline{\textbf{C4}}$ FOR PROPOSED LOCATIONS. CONTRACTOR TO BE RESPONSIBLE FOR MAINTAINING SAFETY LIGHTING FOR ADJOINING OPERATING FACILITIES. CONTRACTOR TO COORDINATE DISCONNECTION OF ELECTRICAL SERVICE TO THE EXISTING LIGHT WITH THE DEVELOPER.
- 6 EXISTING UTILITIES TO REMAIN DO NOT DISTURB.
- (7) ALL STRUCTURES BEYOND DEMOLITION LIMITS TO REMAIN. DO NOT DISTURB.
- 8 EXISTING CATCH BASIN TO REMAIN. CONTRACTOR TO REMOVE & RESET FRAME AND GRATE. SEE SHEET $\overline{\textbf{C2}}$ FOR PROPOSED RIM ELEVATION. CONTRACTOR TO KEEP DEBRIS AND CONSTRUCTION RELATED SEDIMENT FROM ENTERING THE CATCH BASIN AND THE STORMWATER SYSTEM DURING DEMOLITION AND CONSTRUCTION. SEE SHEET C3 FOR E+S CONTROLS.
- 9 EXISTING LANDSCAPING AREA TO BE REMOVED. A SUB-BASE, AND BASE COURSE IS TO BE PREPARED TO RECEIVE PAVING. SEE DETAIL C1.1-04.
- (10) EXISTING GREEN AREA IS TO BE REGRADED. SEE SHEET C2 FOR PROPOSED ELEVATIONS
- (11) EXISTING STRIPING BEYOND PAVEMENT MILL AREA TO BE REMOVED.
- EXISTING CURBING BEYOND DEMO LIMITS TO REMAIN. ANY CURBING DISLOGED OR DAMAGED DURING CONSTRUCTION IS TO BE RE-SET OR REPLACED.
- (13) CONTRACTOR TO PROVIDE GATE IN CONSTRUCTION FENCE.
- EXISTING TREE TO REMAIN. DO NOT DISTURB. CONTRACTOR TO PROVIDE TREE PRESERVATION IN ACCORDANCE WITH DETAIL L1.1-08
- (15) EXISTING TREE TO BE REMOVED IN ITS ENTIRETY.

LEGEND

LIMITS OF DEMOLITION:

1000 Winter Street

Waltham, MA 02451

781.290.2900 T

781.487.9996 F

wdpartners.com

Atlanta

Boston

Chicago

Miami

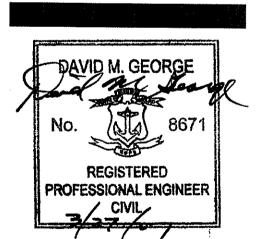
Columbus Dallas

Los Angeles

Sacramento

Suite 2900

1200 Quaker Lane **State Route 2** Warwick, RI



REVISIONS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO .: 07-0/54

SEE LETTER OF SAME DATE.

Compartini D. Wencek



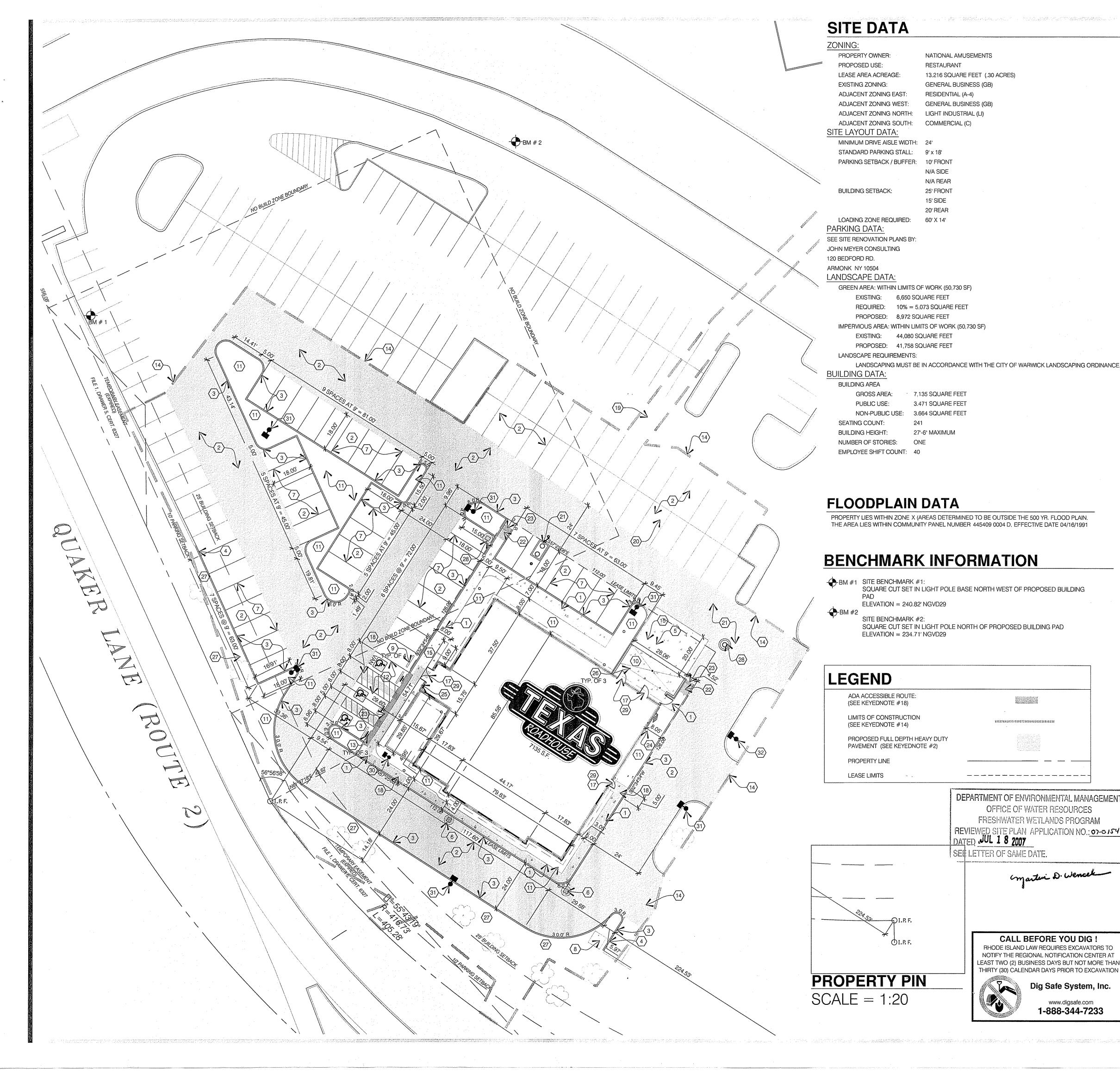
STORE NUMBER

PROTOTYPE

NOH

WD PROJECT NUMBER

0 10 20 SCALE: 1" = 20.00'



KEYED NOTES

(1) CONCRETE SIDEWALK. SEE DETAIL $\overline{C1.1-15}$.

ASPHALTIC PAVING. FOR HEAVY DUTY PAVING LIMITS SEE LEGEND. SEE DETAIL C1.1-04.

FORMED 6" CONCRETE CURB. SEE DETAIL C1.1-02.

TAPER LAST 10' OF 6" CONCRETE CURB FROM TYPICAL CURB DETAIL TO MEET AND MATCH CONFIGUATION AND ELEVATION OF EXISTING ADJOINING CURB.

REINFORCED CONCRETE PAVING AND TURN DOWN EDGE. SEE DETAIL C1.1-03.

PROPOSED CATCH BASIN PER DETAIL C1.1-07. SEE SHEET C2 FOR RIM AND INVERT

ALKYD-READY MIX PAVEMENT STRIPING PER RIDOT SPECIFICATIONS.

CONCRETE TRANSFORMER PAD PER NATIONAL GRID STANDARDS AND SPECIFICATIONS. SEE UTILITY PLAN. CONTRACTOR TO INSTALL BOLLARDS AT TRANSFORMER PER UTILITY

9 CONCRETE CURB STOP PER DETAIL $\overline{\textbf{C1.1-10}}$.

TRASH ENCLOSURE. COORDINATE FOUNDATION AND WALL CONSTRUCTION WITH STRUCTURAL SHEETS. COORDINATE LAYOUT WITH ARCHITECTURAL SHEETS.

 $\langle 11 \rangle$ LANDSCAPING OR LAWN AREA. SEE SHEET $\overline{\textbf{L1}}$.

AREA TO MEET ADA AND LOCAL ACCESSIBILITY CODES AND REQUIREMENTS. SEE DETAIL C1.1-14. SEE GRADING PLAN FOR TOP AND BOTTOM CURB ELEVATIONS. PROVIDE 6 PRECAST CONCRETE CURB STOPS AT HANDICAP PARKING SPACES AND OTHER NOTED PARKING SPACES. SECURE WITH 2 -2" DIA. RODS, 18" LONG. CURB STOPS ARE TO BE PAINTED TRAFFIC YELLOW.

GENERAL CONTRACTOR TO PROVIDE AND INSTALL (2) POSTS FOR HANDICAP PARKING SIGNS. SIGNS PROVIDED BY GENERAL CONTRACTOR TO MEET ALL LOCAL AND FEDERAL REQUIREMENTS, SEE DETAIL C1.1-13.

PROPOSED PAVING TO MEET AND MATCH GRADES OF EXISTING PAVEMENT AT CONSTRUCTION LIMITS BY UNIFORM SAWCUT LINE, PROPOSED PAVEMENT IS TO TRANSITION SMOOTHLY AND EVENLY INTO EXISTING WITHOUT ABRUPT CHANGES IN SLOPE OR ELEVATION.

CONTRACTOR TO PROVIDE BLACK CONCRETE. THE LIMITS OF THE BLACK CONCRETE SHALL BE THE ENTIRE DUMPSTER PAD, AND FROM THE FRONT DOOR TO THE LIMITS OF THE CONCRETE PADS FOR THE WAITING BENCHES. THE MIX SHALL BE DAVIS BLACK 8-60. 9LBS. / SACK OF CEMENT. SEE ARCHITECTURAL SHEETS FOR EXACT BLACK CONCRETE LIMITS, STANDARDS, SPECIFICATIONS, AND WAITING BENCH AREA LAYOUT.

CONTRACTOR TO RE-INSTALL RELOCATED SITE LIGHT ON NEW LIGHT POLE BASE. CONTRACTOR TO COORDINATE LIGHT POLE ATTACHMENT TO BASE WITH MANUFACTURERS RECOMMENDATION AND SUBMIT DRAWINGS SUBJECT TO ENGINEERS APPROVAL PRIOR TO CONSTRUCTION

CONCRETE WALK AT BUILDING. SEE DETAIL C1.1-06.

3'-0" MINIMUM WIDTH ACCESSIBLE ROUTE FROM BUILDING. CROSS SLOPE IS NOT TO

EXCEED 2.00%. SEE GRADING PLAN FOR SPOT GRADE ELEVATIONS.

UTILITY TRENCH. EXISTING PAVEMENT IS TO BE SAWCUT AT LIMITS OF CONSTRUCTION. EXISTING CURB IS TO BE PRESERVED. ANY CURBING DAMAGED IS TO BE REPLACED, ANY CURBING DISLOCATED IS TO BE RE-SET. PAVEMENT IS TO BE REPLACED PER THE RECOMMENDATIONS OF THE GEOTECH REPORT TO MATCH EXISTING GRADES. SEE SHEET C4 FOR LIMITS OF TRENCH.

CONTRACTOR TO REMOVE FRAME AND GRATE AND RESET TO PROPOSED GRADES. SEE SHEET C2 FOR RIM ELEVATION.

PROPOSED 4000 GALLON GREASE TRAP PER DETAIL C4.1-08. SEE SHEET C4 FOR GREASE AND SANITARY SERVICE LAYOUT AND INVERT ELEVATIONS.

PROPOSED CURB RAMP PER DETAIL C1.1-05.

(23) DETECTABLE WARNINGS PER DETAIL C1.1-14

CONTRACTOR TO INSTALL SIAMESE FIRE CONNECTION PER ALL SPECIFICATIONS OF THE CITY OF WARWICK FIRE DEPARTMENT. COORDINATE CONNECTION TO BUILDING WITH PLUMBING SHEETS.

KNOX BOX. COORDINATE WITH ARCHITECTURAL SHEETS FOR EXACT LOCATION.

CONCRETE BOLLARD PER DETAIL C1.1-08.

PROPOSED GRADES ARE TO MEET EXISTING GRADES INSIDE TREE PRESERVATION AREA. PROPOSED GRADES ARE TO TAPER SMOOTHLY INTO EXISTING GRADES WITH NO ABRUPT CHANGE IN ELEVATION OR SLOPE. CONTRACTOR IS TO ENSURE TREES TO BE PRESERVED ARE NOT DAMAGED DURING GRADING OPERATIONS. SEE SHEET C2 FOR

PROPOSED UNDERGROUND STORM SYSTEM. SEE SHEET $\overline{ extbf{C2}}$ STORMWATER MANAGEMENT PLAN

FROST STOOP TO BE CONSTRUCTED AT BUILDING ENTRANCE/EXIT. SEE SHEET SI FOR

PATIO SITE LIGHT BY OTHERS.

PROPOSED SITE LIGHTING BY OTHERS. SEE SHEET C4.

32 SITE LIGHT TO BE RELOCATED BY DEVELOPER.

STAKING NOTES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF WATER RESOURCES

FRESHWATER WETLANDS PROGRAM

REVIEWED SITE PLAN APPLICATION NO.: 07-0154

DATED JUL 1 8 2007

martin D. Wencek

CALL BEFORE YOU DIG! RHODE ISLAND LAW REQUIRES EXCAVATORS TO NOTIFY THE REGIONAL NOTIFICATION CENTER AT LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THA

THIRTY (30) CALENDAR DAYS PRIOR TO EXCAVATION

Dig Safe System, Inc.

www.digsafe.com 1-888-344-7233

SEE LETTER OF SAME DATE.

A. THE BUILDING, PARKING IMMEDIATELY ADJACENT TO THE BUILDING, THE DRIVE AISLE SOUTHWEST OF THE PROPOSED BUILDING, AND THE PARKING STALLS TO THE NORTHEAST AND SOUTHEAST SIDE OF THE PROPOSED LANDSCAPE ISLAND ARE PARALLEL AND/OR PERPENDICULAR TO S 32°34'54" W. THE PARKING TO THE SOUTHWEST SIDE OF THE PROPOSED LANDSCAPE AREA, THE ADJACENT CURBING ALONG THE DRIVE AILSE AND THE PROPOSED PARKING ACROSS THE DRIVE AISLE IS PARALLEL AND/OR PERPENDICULAR TO

B. ALL EXISTING CONDITIONS, TOPOGRAPHY, UTILITIES, EASEMENTS & LEGAL DESCRIPTION ARE AS TAKEN FROM A SURVEY OF LAND SITUATED IN CITY OF WARWICK, KENT COUNTY, RHODE ISLAND DATED 05/15/2006.

BEALS AND THOMAS INC. 144 TURNPIKE RD SOUTHBOROUGH, MA 01772

508.388.0560

C. NOTIFY OWNER OF ANY DISCREPANCIES FOUND.

SCALE: 1" = 20.00

D. ALL RADII ARE 5.0' OR HALF THE ISLAND WIDTH UNLESS OTHERWISE NOTED.

E. ALL DIMENSIONS ARE TO FACE OF CURB AND UNLESS OTHERWISE NOTED.

F. ALL DESIGN INFORMATION BASED ON SOIL CONDITIONS BASED ON INFORMATION OBTAINED FROM SOILS REPORT RECEIVED 04-17-2006 GILES ENGINEERING AS PREPARED BY:

514 PROGRESS DRIVE SUITE J LINTHICUM, MD 21090

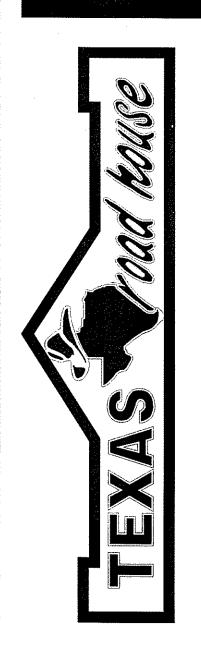


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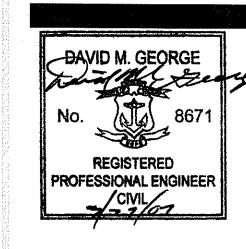
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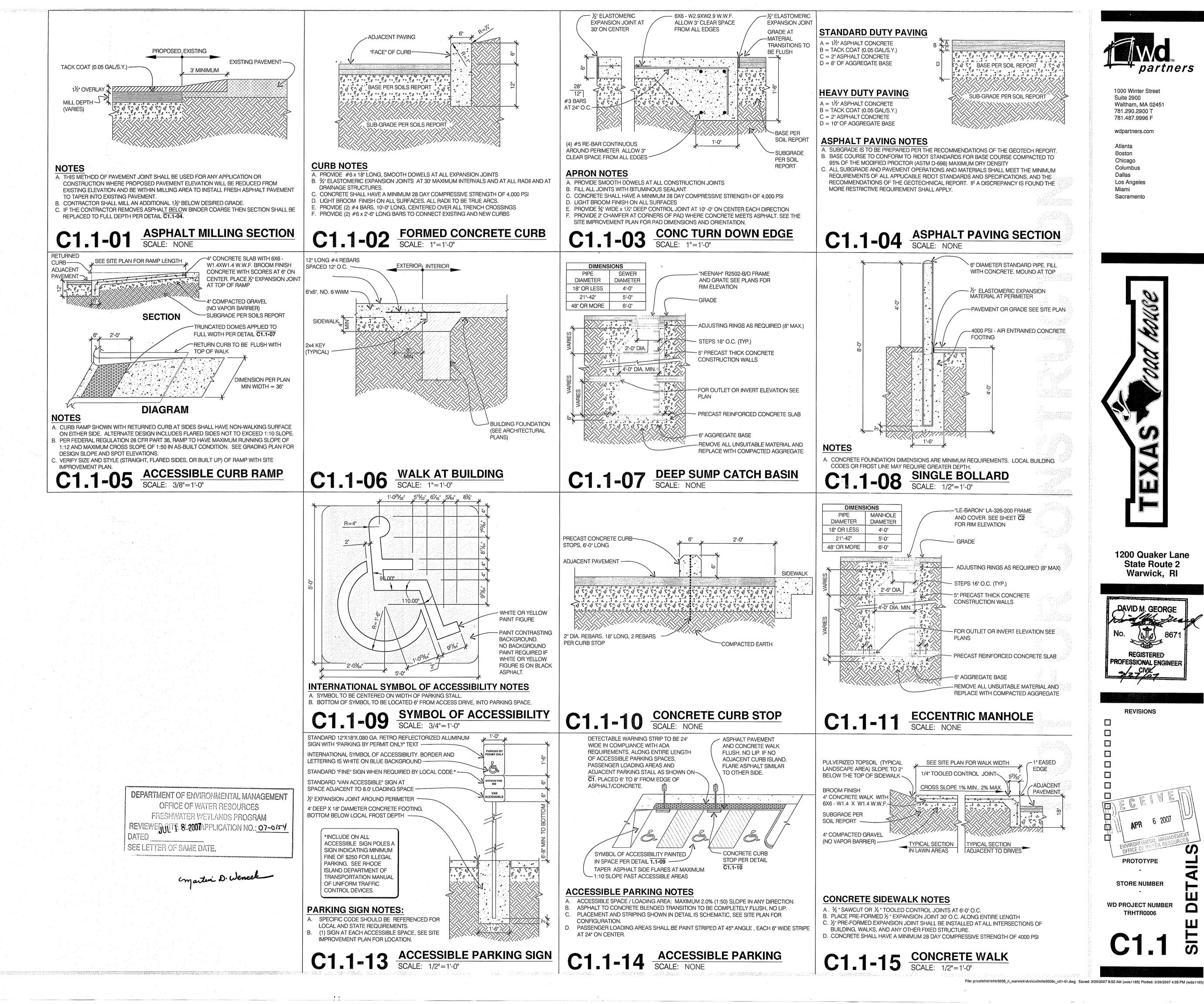


1200 Quaker Lane **State Route 2** Warwick, RI



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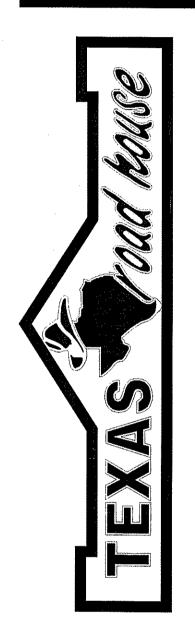
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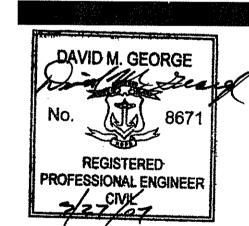
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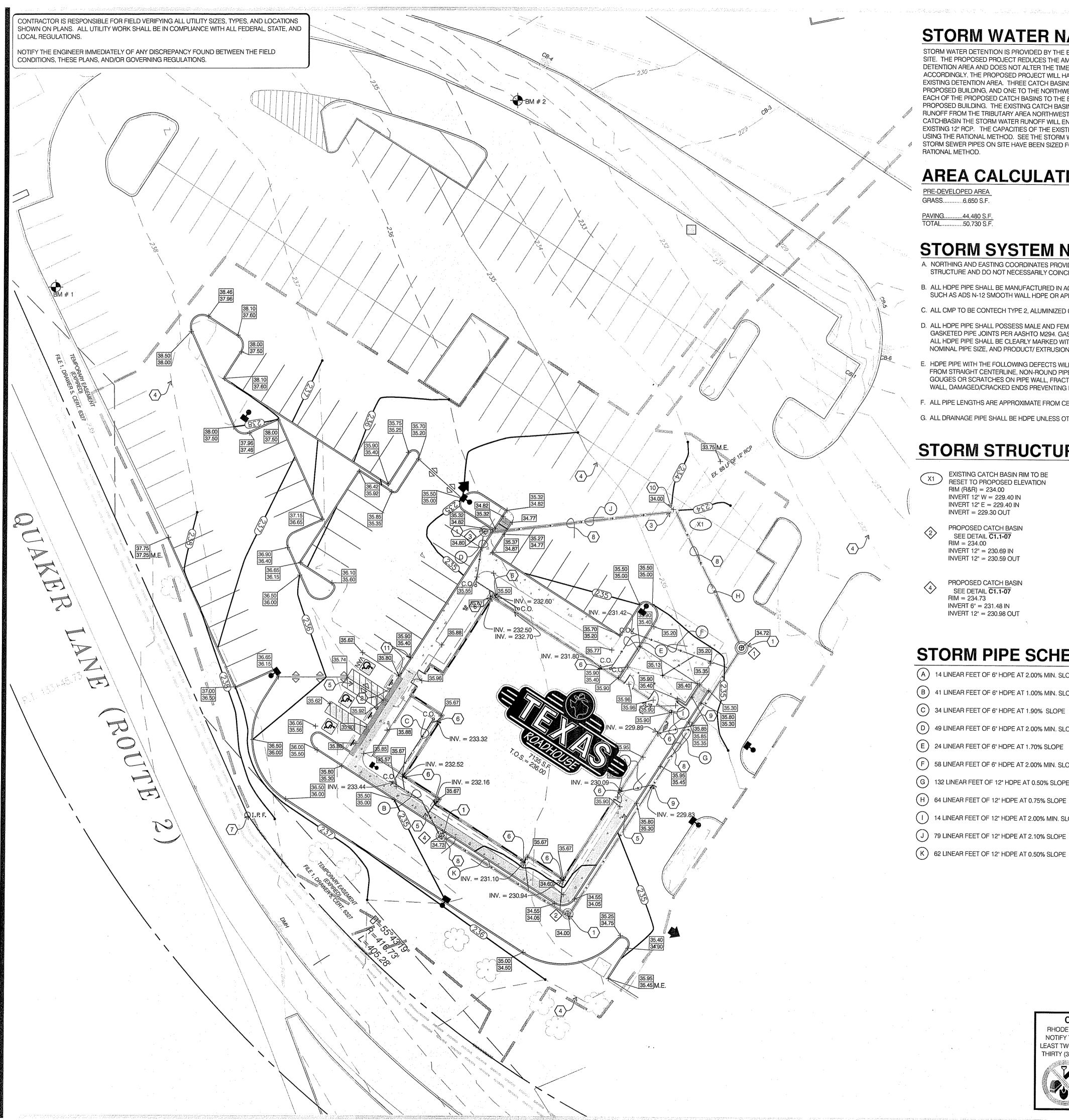


REVISIONS

PROTOTYPE

STORE NUMBER

WD PROJECT NUMBER TRHTR0006



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 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 RECIEVE STORM WATER RUNOFF FROM THE TRIBUTARY AREA NORTHWEST OF THE PROPOSED BUILDING PAD. FROM THIS CATCHBASIN THE STORM WATER RUNOFF WILL ENTER THE DEVELOPMENTS INFRASTRUCTURE VIA AN EVICTING 12" DOD. THE CARACITIES OF THE EVICTING DIDE. AND THE DECORPORED DIDE. WEDE WEDE VICINITY OF THE CARACITIES OF THE EVICTING DIDE. AND THE DECORPORED DIDE. WEDE VICINITY OF THE CARACITIES OF THE EVICTING DIDE. AND THE DECORPORED DIDE. WEDE VICINITY OF THE CARACITIES OF THE EVICTING DIDE. AND THE DECORPORED DIDE. WEDE VICINITY OF THE CARACITIES OF THE EVICINITY OF THE PROPERTY OF THE CARACITIES OF THE EVICINITY OF THE PROPERTY OF T 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

AREA CALCULATIONS

GRASS......6.650 S.F.

POST-DEVELOPED AREA GRASS......8,972 S.F. **BUILDING &** PAVING......41,758 S.F.

TOTAL.....50,730 S.F

STORM SYSTEM NOTES

- A. 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.
- B. 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.
- C. ALL CMP TO BE CONTECH TYPE 2, ALUMINIZED CMP, 146a ASTM A760 OR APPROVED EQUAL
- D. 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.
- E. 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.
- F. ALL PIPE LENGTHS ARE APPROXIMATE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE.
- G. ALL DRAINAGE PIPE SHALL BE HDPE UNLESS OTHERWISE NOTED ON PLANS.

STORM STRUCTURE SCHEDULE

EXISTING CATCH BASIN RIM TO BE RESET TO PROPOSED ELEVATION RIM (R&R) = 234.00INVERT 12" W = 229.40 IN INVERT 12" E = 229.40 IN

INVERT = 229.30 OUT

PROPOSED CATCH BASIN SEE DETAIL C1.1-07 RIM = 234.00INVERT 12" = 230.69 IN INVERT 12" = 230.59 OUT

SEE DETAIL C1.1-07 RIM = 234.73 INVERT 6" = 231.48 IN

PROPOSED 4' STORM MANHOLE SEE DETAIL C1.1-11 RIM = 234.72INVERT 6" = 230.62 IN INVERT 12" = 229.85 OUT

INVERT 12" = 229.95 IN

PROPOSED CATCH BASIN SEE DETAIL C1.1-07 RIM = 234.80INVERT 6" = 232.04 IN INVERT 12" = 231.00 OUT

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

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PROPOSED CATCH BASIN 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
- 1 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

- 7 PROPOSED STORM STRUCTURE. SEE STRUCTURE SCHEDULE.
- PAVEMENT SHALL BE FLUSH WITH WALK IN HANDICAP PARKING AREA. SEE DETAIL
- (3) RESET RIM OF EXISTING MANHOLE TO ELEVATION 234.00
- EXISTING SITE ELEVATIONS OBTAINED FROM PLANS PREPARED BY BEALS AND THOMAS TITLED "ALTA/ACSM LAND TITLE SURVEY 1200 QUAKER LANE" DATED 05/11/2006.
- 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
- 7 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.
- (8) 12" HDPE STORM SEWER. SEE STORM PIPE SCHEDULE.
- 9 6" WYE CONNECTION INTO 12" HDPE STORM MAIN
 - CONTRACTOR TO CORE HOLES IN EXISTING CATCH BASIN TO RECIEVE 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

- A. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2". AND SHALL BE A MINIMUM OF 48"
- B. WALKING SURFACE CROSS SLOPES SHALL NOT EXCEED $lambda^{\mu}$ 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 1/2" IN THE DIRECTION OF TRAFFIC FLOW.
- D. 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.
- E. PER ADA STANDARDS FOR ACCESSIBLE DESIGN 4.5.2: ON ACCESSIBLE ROUTES, CHANGES IN ELEVATION UP TO ¼" ARE ALLOWED. CHANGES GREATER THAN ¼" MUST BE BEVELED NO GREATER THAN 1V:2H AND CHANGES GREATER THAN ½" SHALL COMPLY WITH REQUIREMENTS FOR CURB RAMPS.
- F. NO SLOPE SHALL BE GREATER THAN 1V:2H.
- G. ALL WALKS WITH CONTINUOUS SLOPE SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET.
- H. ASPHALT ELEVATION ADJACENT TO CATCH BASINS TO BE $lambda_{"}$ ABOVE RIM ELEVATION SHOWN FOR CATCH BASIN (TYPICAL).
- H. INSTALL ALL NECESSARY EROSION CONTROL MEASURES PRIOR TO THE START OF ANY GRADING ACTIVITIES. REFER TO THE EROSION CONTROL PLAN FOR DETAILS AND
- I. NO GRADING ACTIVITIES SHALL BE PERFORMED OFF-SITE WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE ADJACENT PROPERTY OWNER AND LOCAL JURISDICTION.
- J. EXISTING GRADES SHALL BE MATCHED ALONG THE PERIMETER OF THE SITE
- K. SOILS IMPORTED INTO THE SITE FOR STRUCTURAL FILL SHALL BE CLEAN AND FREE OF

BENCHMARK INFORMATION

-BM #1 SITE BENCHMARK #1:

SQUARE CUT SET IN LIGHT POLE BASE NORTH WEST OF PROPOSED BUILDING ELEVATION = 240.82' NGVD29

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

GRADING LEGEND

EMERGENCY OVERFLOW ROUTING:

ADA ACCESSIBLE ROUTE: (SEE KEYEDNOTE #6)

SCALE: 1'' = 20.00'

EXISTING CONTOUR: PROPOSED RUNOFF FLOW: 2.1 % PROPOSED SPOT ELEVATION: 00.00 PROPOSED SPOT ELEVATION: 00.50 TOP OF CURB (AT CURB) 00.00 PAVEMENT PROPOSED SPOT ELEVATION: MEET EXISTING GRADE PROPOSED SPOT ELEVATION: MEET EXISTING CURB PROPOSED CONTOUR: CROWN:

> DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO.: 07-0/54
>
> DATED: JUL 1 8 2007

SEE LETTER OF SAME DATE. 0 10 20



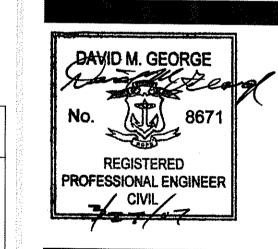
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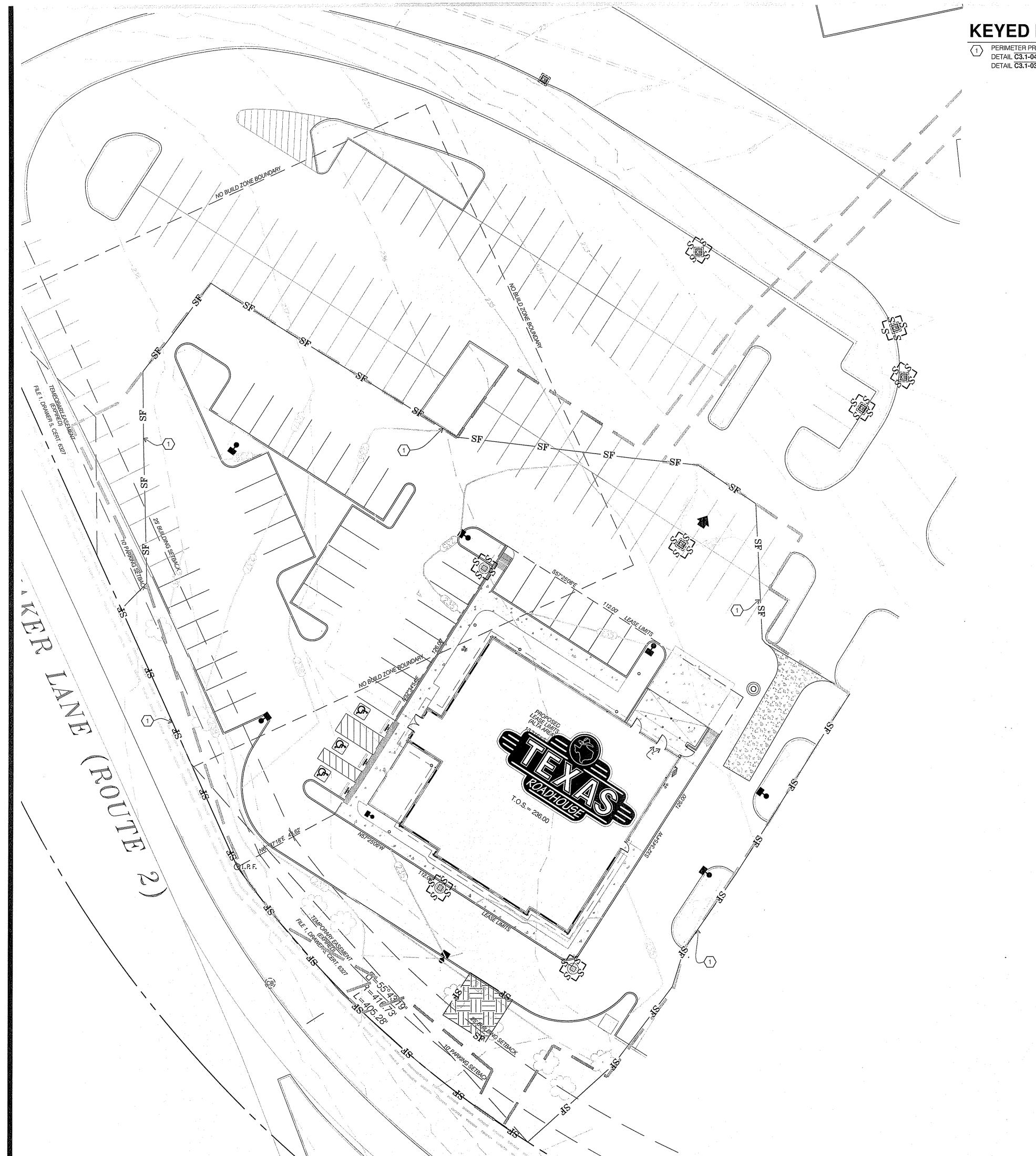
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KEYED NOTES

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

GRADING & EROSION LEGEND STABILIZED CONSTRUCTION ENTRANCE: ก็แห็กในที่ก็แห้กในที่ก็แห็กในที่ก็แห้กใน เพื่อเก็บไล้ ที่ก็นที่ก็ในที่ก็แล้วก็เล่าได้ (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 CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUED INSPECTION AND MAINTENANCE OF ALL

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

ON-SITE REVISIONS

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		Carrier First Contraction

ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO.: 07-0/54 DATED · JUL 1 8 2007.
SEE LETTER OF SAME DATE.

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SCOPE OF EROSION CONTROL

ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN IF APPLICABLE, OR AS DETAILED ON

PLACEMENT OR MAINTENANCE OF CONTROLS.

	DATE	REVISION DESCRIPTION	INITIALS
-			
			in the second Gallery
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REGISTERED PROFESSIONAL ENGINEER

1200 Quaker Lane

State Route 2 Warwick, RI

REVISIONS

STORE NUMBER

ONTROL

WD PROJECT NUMBER

SCALE: 1" = 20.00"

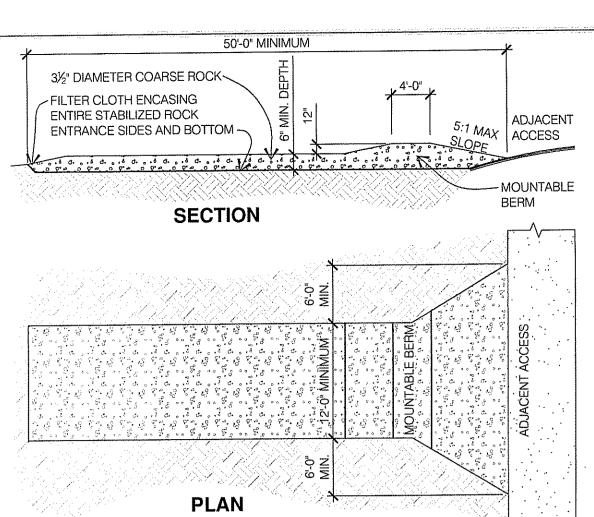
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STABILIZED CONSTRUCTION ENTRANCE NOTES

- 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
- 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
- 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
- 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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN

STABILIZED CONSTRUCTION ENTRANCE

VELCRO CLOSURE BEAVER DAM FOR FLAP FOLDS OVER TO **CURB INLETS** ENCLOSE GRATE -CURB AND LIFTING STRAPS **GUTTER INLET-**ALLOW EASY MOVEMENT OF UNIT -STANDARD FABRIC ORANGE WOVEN MONOFILAMENT -DANDY BAG -**LOW PROFILE WITH GUTTER FOR SAFETY AND CURB APPEAL GRATE -**DESIGN CONFORMS TO CATCH BASIN -

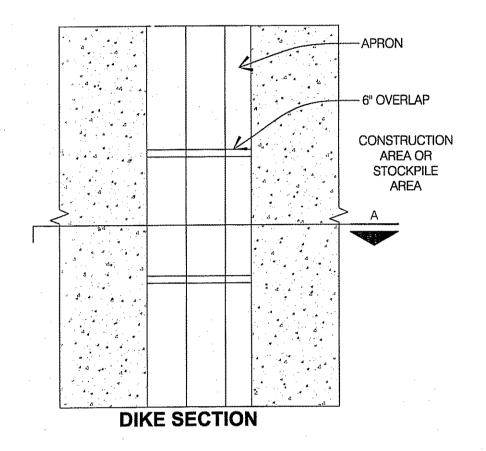
DANDY BAG ALL SHAPES OF CONCRETE CURBS FOR CATCH BASINS INLET PROTECTION NOTES

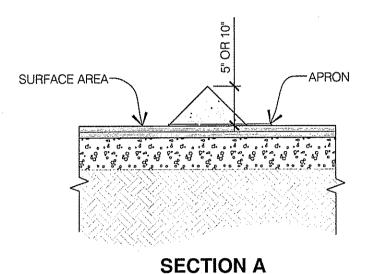
A. INSTALLATION: THE DANDY PRODUCT SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW ON POUCH. ON THE BOTTOM (BELOW-GRADE SIDE) OF THE UNIT. ATTACH ABSORBENT PILLOW TO TETHER LOOP. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME. FOLLOW ALL MANUFACTURES RECOMMENDATIONS. MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND

VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE BEAVER DAM AS NEEDED. IF USING OPTIONAL OIL ABSORBENTS; REMOVE AND REPLACE ABSORBENT PILLOW WHEN NEAR SATURATION. ONLY APPROVED EQUALS WILL BE ACCEPTED.

MANUFACTURER: DANDY PRODUCTS, INC.2011 R HARRISBURG PIKE, GROVE CITY, OHIO 43123 (614) 875-2284

C3.1-02 INLET PROTECTION SCALE: NONE

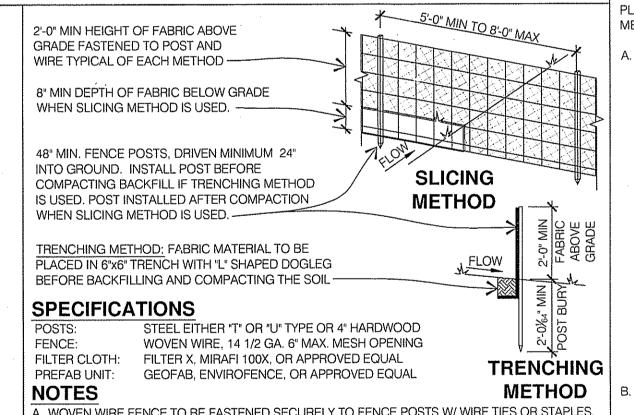




DETAIL NOTES

A. IF THE SURFACE AREA IS CONCRETE, ADHESIVES SUCH AS LIQUID NAIL OR SAND BAGS SHALL BE USED. IF SURFACE AREA IS ASPHALT. A RUBBERIZED ASPHALT EMULSION CAN BE USED. THE TACKING AGENT MUST BE APPLIED UNDER THE FULL LENGTH OF THE BARRIER SECTION AND THE APRON.

C3.1-03 TRIANGULAR SILT DIKE SCALE: N.T.S.



A. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS W/ WIRE TIES OR STAPLES. B. FABRIC FASTENED SECURELY TO FENCE W/ TIES SPACED AT 24" AT TOP AND MID SECTION.). WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER THEY SHALL OVERLAP BY (6) INCHES.). LOCATE POSTS DOWN SLOPE OF FABRIC FOR FENCE SUPPORT. : MAINTENANCE SHALL BE PERFORMED AFTER EACH RAINFALL AND AS NEEDED, SEDIMENT TO

C3.1-04 SILT FENCE SCALE: 3/8"=1'-0"

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM REVIEWED SITE PLAN APPLICATION NO.: 07-815-4
DATED

BE REMOVED WHEN "BULGES" DEVELOP.

SOIL EROSION CONTROL NOTES

ALL EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL, STATE. C. AND FEDERAL STANDARDS. AN EPA EQUIVALENT NOTICE OF INTENT LETTER SHALL BE POSTED IN THE JOB TRAILER AT ALL TIMES. THIS SITE SHALL BE PROTECTED BY MEANS DESCRIBED IN THE ACCOMPANYING PLANS. IF THERE ARE ANY QUESTIONS REGARDING EROSION CONTROL MEASURES. THE CIVIL ENGINEER OF RECORD MUST BE CONTACTED.

A COPY OF THIS SHEET AND THE EROSION CONTROL PLAN MUST BE KEPT ON-SITE THROUGH THE DURATION OF CONSTRUCTION ACTIVITY. ANY CHANGES MADE TO THIS PLAN MUST BE NOTED. DATED, AND INITIALED BY THE GENERAL CONTRACTOR.

. GENERAL

- THE INTENT OF THIS PLAN IS TO CONTROL EROSION AND RESULTING SILT TRANSPORTATION OFF SITE. THE ITEMS INDICATED ARE THE ENGINEER'S BEST ESTIMATE OF REQUIREMENTS; MORE CONTROL MAY BE NEEDED DEPENDING ON SITE CONDITIONS, SEASON, ETC. CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES AS NECESSARY TO COMPLY WITH THIS INTENT. ALL CHANGES TO THE SWPPP MUST BE NOTED.
- BEST MANAGEMENT PRACTICES, PLAN, WITH ALL SEDIMENT AND EROSION CONTROL PLANS. SHALL BE KEPT ON-SITE WITH COPIES OF ALL INSPECTION REPORTS.
- EXISTING TOPOGRAPHY AND PROPOSED TOPOGRAPHY ARE SHOWN ON THE GRADING
- SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY LAND DISTURBING ACTIVITY TAKING PLACE.
- OTHER FEDERAL, LOCAL, OR STATE STATUTES OR REQUIREMENTS THAT MAY AFFECT THE PERMIT REQUIREMENTS FOR THIS SITE:

 - 1. NPDES CONSTRUCTION STORM WATER MANAGEMENT DISCHARGE CRITERION 2. UNITED STATES ARMY CORPS OF ENGINEERS
 - 3. LOCAL SEDIMENT CONTROL ORDINANCES
 - 4. HAZARDOUS WASTE CONCERNS
- 5. PROTECTED SPECIES, HISTORICAL PRESERVATION, ETC
- MATERIAL NEEDS AFFECTING ENVIRONMENTAL ASPECTS OF THE SITE:
- 1. HAUL-IN / HAUL-OFF
- 2. TOPSOIL SPOIL OR HAUL-IN
- PLANNED PHASES OF CONSTRUCTION.
- FLAG ALL WORK LIMITS.
- 2. CALL RHODE ISLAND DIGSAFE TO VERIFY LOCATION OF ANY EXISTING UTILITIES TWO (2) WORKING DAYS PRIOR TO START OF CONSTRUCTION.
- 3. NOTIFY SEDIMENT CONTROL INSPECTOR TWENTY-FOUR (24) HOURS PRIOR TO START OF CONSTRUCTION.
- 4. IDENTIFY AND PROTECT ALL EXISTING VEGETATION TO REMAIN.
- 5. PERFORM CLEARING AND GRADING REQUIRED FOR INSTALLATION OF PERIMETER CONTROLS.
- 6. INSTALL PERIMETER RUNOFF CONTROLS; NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
- INSTALL STORM DRAINAGE PROTECTION
- 8. CLEAR AND STABILIZE CONSTRUCTION ACCESS
- COMPLETE ALL REQUIRED STOCKPILING, SITE CLEARING, AND GRADING. 10. APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL
- DISTURBED AREAS WHERE WORK MAY BE DELAYED OR IS COMPLETE. DO NOT LEAVE LARGE AREAS UNPROTECTED FOR MORE THAN SEVEN (7) DAYS.
- 11. CONSTRUCT PARKING LOT BASE, BUILDING FOUNDATION, AND INSTALL SITE UTILITIES
- WEATHER-IN BUILDING.
- 13. COMPLETE PARKING LOT CONSTRUCTION.
- 14. COMPLETE FINAL GRADING, STABILIZATION, AND LANDSCAPING. 15. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL TO REMOVE
- SEDIMENT AND EROSION CONTROL MEASURES.

II. IMPLEMENTATION

PLANNED CONSTRUCTION PHASING AND SPECIFIC REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.

- PHASE 1: TOPSOIL STRIPPING AND STOCKPILING THIS IS THE PHASE AFTER ALL DEBRIS REMOVAL. TOPSOIL WILL BE STRIPPED AND STOCKPILED ON THE SITE AS SHOWN ON THE PLANS. THE FOLLOWING REQUIREMENTS WILL APPLY DURING THIS PHASE OF CONSTRUCTION:
- 1. CONSTRUCTION OF A "STONE" CONSTRUCTION ENTRANCE SHALL BE COMPLETED TO G. PREVENT SILT FROM BEING DEPOSITED ON ROADWAYS.
- 2. SILT FENCES AND/OR DIVERSIONS DIRECTING RUNOFF TO TEMPORARY SEDIMENT BASINS SHALL BE PLACED ON THE DOWNHILL SIDE OF WHEREVER DIRT HAS BEEN DISTURBED BY GRADING TO PREVENT SILT FROM LEAVING THE SITE. SPECIFIC ATTENTION SHOULD BE PAID TO CULVERTS AND CONSTRUCTION ENTRANCES.
- 3. ALL DEBRIS SHALL BE KEPT AWAY FROM DITCHES AND STREAMS TO PREVENT RUN-OFF ACCUMULATION WILL NOT CARRY DEBRIS DOWNSTREAM.
- 4. SILT FENCES OR DOUBLE SILT FENCES SHALL BE INSTALLED ALONG THE LOW SIDE OF THE SITE WHERE RUN-OFF FROM THE WORK AREA WILL LEAVE THE SITE OR ENTER
- 5. SILT TRAPS AND SEDIMENT BASINS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS IN ACCORDANCE WITH DETAILS SHOWN TO CATCH AND FILTER RUN-OFF PRIOR TO DISCHARGE FROM THE SITE.
- 6. ADDITIONAL SILT FENCING AROUND THE STOCKPILE AREA SHOULD BE INSTALLED TO PREVENT SILT WASH OFF FROM THE SITE.

PHASE 2: GRADING OPERATIONS - THIS PHASE IS THAT TIME WHEN EARTH IS BEING MOVED FROM ONE PORTION OF THE SITE TO ANOTHER OR IS BEING HAULED INTO OR HAULED OFF FROM THE SITE. THIS IS A CRITICAL TIME WHEN SEDIMENT AND EROSION CONTROL FACILITIES MUST BE CONTINUALLY CHECKED TO ENSURE EFFECTIVENESS. MEASURES SHOULD BE CHANGED OUT AS OFTEN AS REQUIRED TO MEET DEMANDS OF CURRENT SITE CONDITIONS. THE FOLLOWING WILL APPLY TO THIS STAGE OF CONSTRUCTION:

- ALL SEDIMENT CONTROL FACILITIES REQUIRED AND INSTALLED DURING PHASE 1 SHALL BE LEFT IN PLACE AND MAINTAINED AS APPROPRIATE.
- 2. WHENEVER A SILT CONTROL FACILITY IS REMOVED BECAUSE OF CHANGING SITE CONDITIONS IT SHALL BE IMMEDIATELY REPLACED WITH ANOTHER MEASURE OF EQUAL OR GREATER EFFECTIVENESS THAT WILL CONTRIBUTE TO THE PROGRAM OF SILT AND EROSION CONTROL.
- 3. CUT SLOPES SHALL BE PROTECTED BY CONSTRUCTING SWALES AT THE TOP OF CUT SLOPES TO INTERCEPT RUN-OFF. SWALES WILL BE CONSTRUCTED WITH RIP-RAP CHECK DAMS OR SILT FENCES AS NECESSARY TO PREVENT EROSION AND SILTATION. 4. FILL SLOPES SHALL BE PROTECTED BY THE CONSTRUCTION OF BERMS AT THE TOP OF ALL FILL SLOPES TO PREVENT UNCONTROLLED RUN-OFF DRAINING DOWN FACE
- 5. WHEN SHOWN ON PLAN, RUN-OFF DIRECTING BERMS FOR UPGRADE RUN-OFF SHALL BE CONSTRUCTED ALONG SLOPE TO DRAINS THAT WILL CARRY RUN-OFF DOWN THE SLOPE. SLOPE DRAINS SHALL HAVE INLET SILT PROTECTION TYPICAL OF OTHER SITE STORM INLET PROTECTION.
- 6. SILT FENCES SHALL BE IN PLACE AT THE TOE OF ALL FILL SLOPES. 7. TERRACES, BERMS, AND SWALES SHALL BE CONSTRUCTED AT INTERMEDIATE LOCATIONS THROUGHOUT THE SITE AS NECESSARY TO CONTROL EROSION AND
- SEDIMENT TRANSPORT. THESE DIVERSION FACILITIES SHALL BE SUPPLEMENTED AS APPROPRIATE WITH SILT FENCES AND RIP-RAP FILTER BERMS TO FILTER ACCUMULATED SEDIMENT FROM RUN-OFF PRIOR TO DISCHARGE FROM THE SITE. 8. SLOPES (CUT AND FILL) THAT ARE CONSTRUCTED IN THE FINAL CONFIGURATION SHALL BE COVERED WITH FOUR INCHES (4") OF TOPSOIL AND GRASSED AND MULCHED AS SOON AS GRADING IS COMPLETED. THIS GROWING VEGETATION WILL
- GIVE ADDED PROTECTION TO THE SLOPE. 9. PORTIONS OF THE SITE THAT ARE GRADED TO FINAL GRADE AND ARE NOT TO RECEIVE PAVEMENT OR BUILDINGS SHOULD HAVE FOUR INCHES (4") OF TOPSOIL SPREAD OVER THE SURFACE AND GRASSED AS SOON AS POSSIBLE IN CONSTRUCTION PROCESS. THIS PHASE OF CONSTRUCTION IS CRITICAL IN THE
- EROSION AND SEDIMENT CONTROL PROCESS. 10. STORM SEWERS SHOULD BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION PROCESS AND CONCURRENT TO GRADING OPERATIONS WHENEVER POSSIBLE TO ENSURE A SUCCESSFUL PROGRAM. CONSTRUCTION RUN-OFF SHALL BE DIRECTED TO STORM SEWER SYSTEM AS SOON AS POSSIBLE

- PHASE 3: STORM DRAINAGE AND UTILITY INSTALLATION PLAN THIS PHASE WILL BE COMPLETED AFTER OR CONCURRENT WITH THE GRADING PHASE, PHASE 2. STORM SEWERS SHALL BE INSTALLED AND PUT INTO SERVICE AS EARLY IN THE GRADING PROCESS AS POSSIBLE. THE FOLLOWING WILL APPLY TO THIS PHASE OF CONSTRUCTION:
 - 1. ALL ASPECTS OF THE PREVIOUS PHASES SHALL BE MAINTAINED AS APPLICABLE. STORM SEWERS THAT ARE INSTALLED SHALL BE PUT INTO SERVICE IMMEDIATELY. THE INLETS OF ALL STORM SEWERS SHALL BE PROTECTED WITH SILT TRAPS THAT PREVENT SEDIMENT FROM ENTERING PIPE. THIS PROTECTION CAN BE SILT FENCE OR RIP-RAP FILTER BERMS AS APPLICABLE AND SHOWN ON THE PLANS.
 - 3. RIP-RAP AS SHOWN ON THE PLANS AND AS REQUIRED ON THE SITE WILL BE INSTALLED AT EMERGENCY SPILLWAYS TO PREVENT EROSION DUE TO OUTFLOW WATER VELOCITY. RIP-RAP SHALL BE EXTENDED DOWNSTREAM AS NEEDED TO PREVENT EROSION.
 - 4. ADDITIONAL SILT FENCING SHALL BE INSTALLED AS NECESSARY TO PREVENT EROSION AND SILTATION RESULTING FROM STOCKPILED EXCAVATION MATERIAL FROM UTILITY INSTALLATION OPERATIONS.

PHASE 4: FINISH GRADING, CURB AND PAVEMENT INSTALLATION, LANDSCAPING - THIS IS THE WRAP-UP STAGE WHEN ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WILL BE PHASED OUT. THE FOLLOWING WILL APPLY TO THIS PHASE:

- 1. ALL FACILITIES FROM PHASE 1 THROUGH PHASE 4 WILL BE MAINTAINED, MODIFIED, OR REMOVED WHEN APPROPRIATE.
- 2. SILT TRAPS AROUND DRAINAGE INLETS WILL BE MAINTAINED, MODIFIED AS
- NECESSARY, AND REMOVED WHEN APPROPRIATE 3. ALL AREAS NOT RECEIVING PAVEMENT OR BUILDINGS SHALL HAVE FOUR INCHES (4") OF TOPSOIL SPREAD OVER THE AREA AND GRASSED, OR HAVE LANDSCAPING,
- MULCHING AND/OR SOD INSTALLED PER THE PLANS.
- 4. CONTRACTOR MAY TEMPORARILY COVER SOME AREAS WITH 2½ " THICK GRADED AGGREGATE IN LIEU OF GRASSING FOR TEMPORARY EROSION CONTROL.

E. LANDSCAPING / SEEDING

REFER TO LANDSCAPING PLAN FOR ACTUAL REQUIREMENTS FOR THE INSTALLATION OF LIME, FERTILIZER, SEED, AND MULCH. GRASSING OPERATIONS SHALL BE COMPLETED THROUGHOUT CONSTRUCTION PROCESS AT THOSE TIMES WHEN PORTIONS OF THE SITE ARE FINISHED AND READY FOR PERMANENT GROUND COVER. THIS WILL REQUIRE MULTIPLE EFFORTS BY THE GRASSING SUBCONTRACTOR TO STABILIZE ALL IMPACTED AREAS OF THE SITE IN AN ORDERLY FASHION. NO AREA OF THE SITE THAT RECEIVES FINAL GRADE SHALL BE LEFT FOR MORE THAN SEVEN (7) DAYS WITHOUT THE APPLICATION OF

INSPECTION AND MAINTENANCE INSTRUCTIONS:

THE FOLLOWING WILL APPLY TO MAINTAINING EROSION AND SEDIMENT CONTROL **FACILITIES**

TO ENSURE THEY ARE EFFECTIVE IN THE EVENT OF RAINFALL, MEASURES SHALL BE INSPECTED ONCE A WEEK (MINIMUM) AND WITHIN TWENTY-FOUR (24) HOURS AFTER EACH RAINFALL EVENT. ANY DAMAGED OR NONFUNCTIONAL FACILITY SHALL BE REPAIRED OR REPLACED IMMEDIATELY. WEEKLY INSPECTION REPORTS SHALL BE KEPT ON FILE IN THE CONSTRUCTION TRAILER. SEDIMENT TRAPS SHALL BE CHECKED REGULARLY FOR SEDIMENT CLEANOUT

1. ALL EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE INSPECTED REGULARLY

- SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF (2) THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVED FROM THE TRAP SHALL BE DEPOSITED IN SUITABLE AREAS AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE CONTINUED SEDIMENTATION PROBLEMS
- GRAVEL OUTLETS AND CHECK DAMS SHALL BE INSPECTED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF THE GRAVEL IS
- OBSTRUCTED BY SEDIMENT, IT SHALL BE REMOVED AND CLEANED OR REPLACED. 4. SILT FENCE BARRIERS SHALL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL
- OF DEPOSITION REACHES ONE-THIRD THE HEIGHT OF THE BARRIER. 5. SEEDED AREAS SHALL BE CHECKED REGULARLY TO ENSURE A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RE-SEEDED AS NECESSARY. 6. IF ANY FACILITY IS DAMAGED DURING MAINTENANCE, OR OTHERWISE, THE DAMAGED
- PORTION SHALL BE REMOVED AND REPLACED ACCORDING TO THE ASSOCIATED 7. IF SILT HAS OBSTRUCTED THE SEDIMENT CONTROL FACILITY TO THE POINT OF
- ELIMINATING ALL FILTERING EFFECTIVENESS, THE STRUCTURE SHALL BE REMOVED AND REPLACED WITH A NEW STRUCTURE IN ACCORDANCE WITH THE ASSOCIATED
- 8. CONSTRUCTION STAGING AREA SHALL HAVE ADDITIONAL STONE ADDED AS MUD COVERS STONE. UNDER WET SOIL CONDITIONS, TIRES SHALL BE WASHED PRIOR TO ENTERING A PAVED ROADWAY.

MAINTAINING EFFECTIVENESS:

CONTRACTOR SHALL INSPECT OVERALL PERFORMANCE OF EROSION AND SEDIMENT. CONTROL FACILITIES AND AREAS DOWNSTREAM. IF SILT IS APPARENT DOWNSTREAM FROM STRUCTURES, SOME FAILURE HAS OCCURRED. IF SEDIMENT IS OBSERVED DOWNSTREAM, NOTIFY THE CIVIL ENGINEER. THE CIVIL ENGINEER WILL INSPECT THE CONDITION AND AFTER INSPECTION, DIRECT THE REMOVAL OF ACCUMULATED SEDIMENT DOWNSTREAM AND ADD ADDITIONAL STRUCTURAL MEASURES AS NECESSARY. CONTRACTOR SHALL IMPLEMENT RECOMMENDED SOLUTIONS TO PROBLEM AREAS AS RECOMMENDED.

III. COMPLETION

PROJECT CLOSE OUT: THE FOLLOWING SHALL BE DONE AT THE END OF THE PROJECT

- 1. INSPECT SITE TO ENSURE THAT GROUND COVER IS COMPLETE AND ADEQUATE. ALL AREAS SHOULD BE EITHER PAVED OR HAVE SUFFICIENT GROUND COVER (MINIMUM 80% VEGETATIVE COVER) WITH NO APPARENT EROSION.
- 2. WHEN GROUND COVER INSPECTION IS MADE AND APPROVED, ALL STRUCTURAL EROSION CONTROL FACILITIES MAY BE REMOVED ALONG WITH ANY ACCUMULATED SILT AND DEBRIS. AREAS DISTURBED BY STRUCTURE REMOVAL SHALL BE FINE GRADED, GRASSED, AND MULCHED AS REQUIRED.
- IF GROUND COVER INSPECTION IS MADE AND PROBLEMS DISCOVERED, PERFORM APPROPRIATE REPAIR MEASURES AND RE-INSPECT PRIOR TO STRUCTURE REMOVAL. 4. ALL CONSTRUCTED AND EXISTING STORM SEWERS SHALL BE INSPECTED UPON REMOVAL OF INLET PROTECTION. STRUCTURES CONTAINING SEDIMENT AND / OR CONSTRUCTION DEBRIS SHALL BE VACUUM CLEANED PRIOR TO FILING NOTICE OF
- MISCELLANEOUS ISSUES
 - NO FUEL OR OIL SHALL BE STORED ON SITE WITHOUT PROPER CONTAINMENT.
 - 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

TERMINATION WITH ENVIRONMENTAL PROTECTION AGENCY.

- 4. DE-WATERING OPERATIONS ARE NOT 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 OR IN TOILET CONNECTED TO PUBLIC SEWER SYSTEM. WASTES 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 TRUCK DISTRIBUTING A FINE MIST OF WATER ON THE SITE SURFACE.
- CONCENTRATED STREAMS OF WATER SPRAY SHOULD BE AVOIDED. 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 SEWERS. FLUSHINGS THAT CONTAIN HAZARDOUS MATERIALS SHALL BE PREVENTED FROM ENTERING THE STORM SEWERS AND SHALL BE COLLECTED AND DISPOSED OF IN AN APPROVED MANNER.



1000 Winter Street Suite 2900 Waltham, MA 02451 781.290.2900 T

781.487.9996 F

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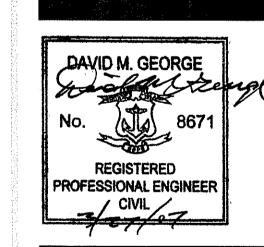
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Sacramento

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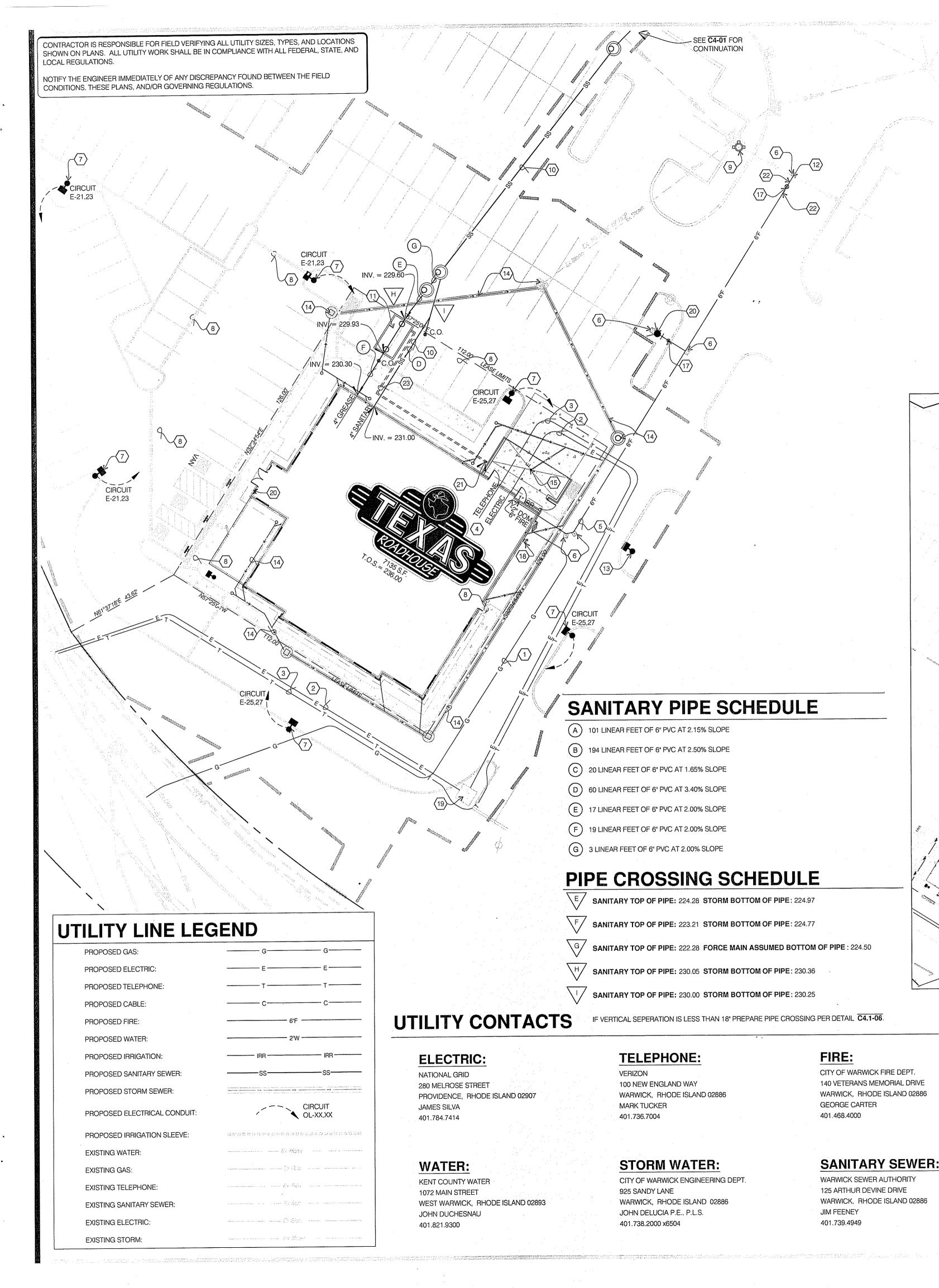
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PROTOTYPE

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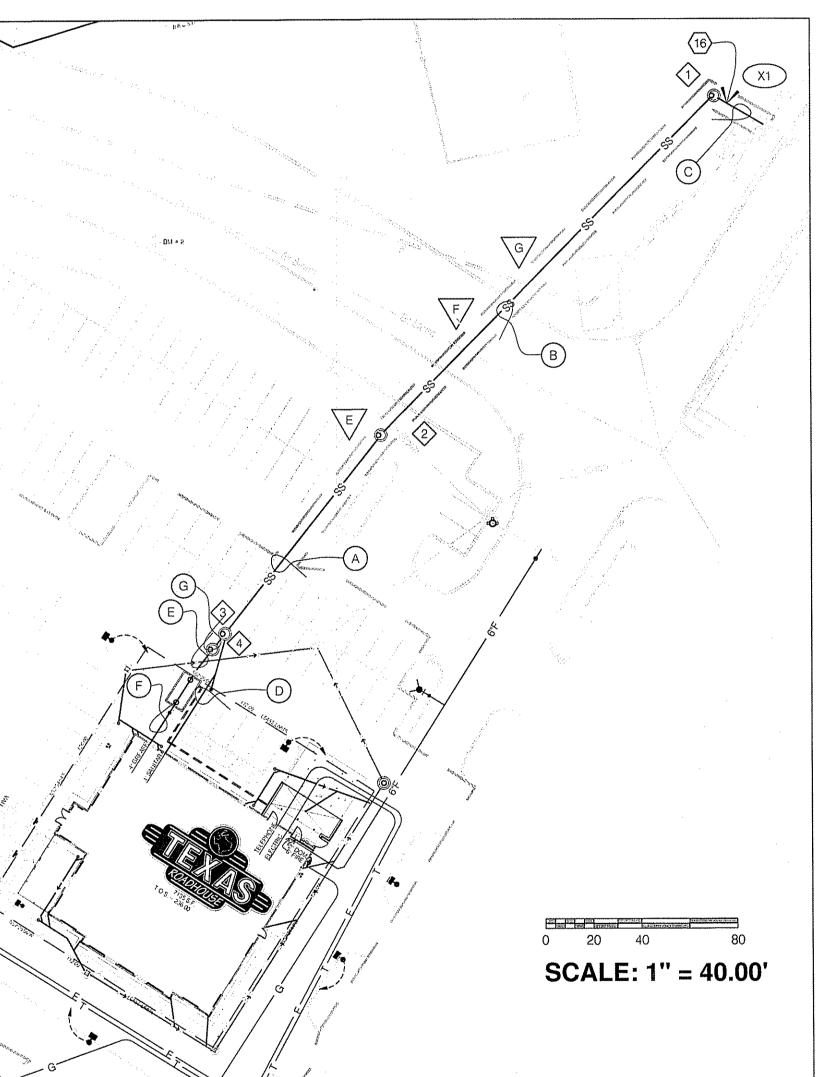


SANITARY SERVICE NOTES

A. 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.

WATER SERVICE NOTES

- A. NO NEW SERVICES, SERVICE PIPES OR EXTENSIONS WILL BE LAID DURING THE MONTHS OF NOVEMBER, DECEMBER, JANUARY, FEBRUARY AND MARCH, EXCEPT AT THE DISCRETION OF THE KENT COUNTY WATER AUTHORITY, OR WHEN ADDITIONAL EXPENSE INCIDENT TO THE CLIMATIC CONDITIONS BORNE BY THE APPLICANT
- B. WATER SERVICE SHALL BE INSTALLED PER SECTION 3.18 OF THE KENT COUNTY WATER AUTHORITY
- C. SERVICE INSTALLATION METHODS SHALL BE IN ACCORDANCE WITH SECTION 3.21 OF THE KENT COUNTY WATER AUTHORITY RULES AND REGULATIONS.
- D. THE GENERAL CONTRACTOR SHALL NOTIFY THE KENT COUNTY WATER AUTHRORITY NO LESS THAN (5) WORKING DAYS PRIOR TO CONSTRUCTION COMMENCEMENT ON ANY TYPE OF SERVICE OR MAIN EXTENSION INSTALLED.
- E. THE GENERAL CONTRACTOR SHALL NOTIFY THE KENT COUNTY WATER AUTHORITY NO LESS THAN THREE (3) BUSINESS DAYS PRIOR TO PRESSURE TESTING AND/OR CHLORINATION THE PROPOSER SHALL PROVIDE THE KENT COUNTY WATER AUTHORITY WITH WRITTEN NOTIFICATION, DETAILING THE PROPOSED EVENT SCHEDULE, CONNECTION POINTS, EQUIPMENT TO BE USED, METHOD OF ACCOMPLISHMENT, AND SAFETY PRECAUTIONS TO BE TAKEN.
- F. CONTRACTOR SHALL TAP THE MAIN PER SECTION 3.16 OF THE KENT COUNTY WATER AUTHORITY RULES AND REGULATIONS.
- G. NEW SERVICE PRESSURE TESTING SHALL BE IN ACCORDANCE WITH SECTION 3.22 OF THE KENT COUNTY WATER AUTHORITY RULES AND REGULATIONS.
- TH. NEW SERVICE DISINFECTION SHALL BE IN ACCORDANCE WITH SECTION 3.23 OF THE KENT COUNTY WATER AUTHORITY RULES AND REGULATIONS.
- I. ALL PROPOSED WATER SERVICE PIPING IS TO BE IN ACCORDANCE WITH THE KENT COUNTY REGULATIONS FOR THRUST BLOCKING AND PIPE RESTRAINT. SEE DETAILS C4.1-05.



C4-01 SAN. SEWER CONNECTION SCALE: 1": 40'

NATURAL GAS:

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM
REVIEWE DUCE PEAR PLICATION NO.: 07-0/54

DATED ...-SEE LETTER OF SAME DATE.

marin D. Wencer

CALL BEFORE YOU DIG! RHODE ISLAND LAW REQUIRES EXCAVATORS TO NOTIFY THE REGIONAL NOTIFICATION CENTER AT



SCALE: 1'' = 20.00

KEYED NOTES

- NATURAL GAS SERVICE. ALL MATERIALS AND INSTALLATION ARE TO BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND N.F.P.A. STANDARDS. DIVISION OF WORK SHALL BE AS FOLLOWS:
- UTILITY COMPANY SHALL SIZE SERVICE, PROVIDE TAP AND METER, TRENCHING AND BACKFILL FROM THE TAP TO THE GAS METER, PIPING WITH COPPER LOCATOR AND
- GENERAL CONTRACTOR GENERAL CONTRACTOR TO PROVIDE BOLLARDS AT METER PER UTILITY STANDARDS AND ALL WORK WITHIN THE BUILDING FROM THE GAS METER. ELECTRIC SERVICE. CONTRACTOR TO INSTALL SERVICE PER ALL STATE AND LOCAL
- CODES, POWER COMPANY, N.F.P.A., AND N.E.C. STANDARDS AND COORDINATE WITH THE POWER COMPANY TO VERIFY THE TRANSFORMER LOCATION, SIZE, ORIGIN OF SERVICE, AND ALL STANDARDS FOR WORK. SEE ARCHITECTURAL SHEETS FOR SECONDARY WIRING DESIGN. DIVISION OF WORK SHALL BE AS FOLLOWS:
- UTILITY COMPANY SHALL PROVIDE PRIMARY CABLE. PRIMARY CONDUIT, PRIMARY AND SECONDARY CONNECTION, PAD MOUNTED TRANSFORMER, METER, AND CT CABINET, GENERAL CONTRACTOR SHALL PROVIDE TRANSFORMER PAD, SECONDARY CONDUIT, SECONDARY CABLE, SOCKET, CT-METER CONDUIT AND ALL TRENCHING AND BACKFILL REQUIRED FOR SERVICE TO THE SITE. CONTRACTOR SHALL INSTALL PRIMARY CONDUIT. GENERAL CONTRACTOR SHALL COORDINATE WITH DEVELOPER AND UTILITY COMPANY ON POINT OF CONNECTION FOR PRIMARY
- TELEPHONE SERVICE. VERIFY EXACT ROUTING AND TERMINATION REQUIREMENTS WITH TELEPHONE COMPANY BEFORE STARTING WORK, CONTRACTOR TO COORDINATE WITH OTHER UTILITIES AND UTILIZE SHARED TRENCHING IF PERMITTED. GENERAL CONTRACTOR TO COORDINATE WITH DEVELOPER AND UTILITY COMPANY ON POINT OF CONNECTION. DIVISION OF WORK SHALL BE AS FOLLOWS:
- UTILITY COMPANY SHALL PROVIDE ALL CABLE AND WIRING FOR SERVICE. GENERAL CONTRACTOR TO PROVIDE 4" CONDUIT WITH PULL WIRE FROM PEDESTAL TO BUILDING, 3/4"x4'x4' PLYWOOD BACKBOARD WITH #6 awg GROUND WIRE, AND ALL TRENCHING AND BACKFILL REQUIRED FOR SERVICE.
- TELEVISION SERVICE SHALL BE PROVIDED BY ROOF MOUNTED SATELLITE. SEE ARCHITECTURAL SHEETS FOR DETAIL AND APPROXIMATE ROOFTOP LOCATION.
- 6" COMBINED WATER SERVICE. CONTRACTOR TO VERIFY REQUIREMENTS OF LOCAL" CODES, UTILITY COMPANIES AND GOVERNING OFFICIALS. PIPING SHALL BE 6" CLASS 52 DUCTILE IRON PIPE WITH MECHANICAL JOINTS. INCLUDE IN BASE BID ALL VALVES, PIPING STRUCTURES, ETC. THAT WILL BE REQUIRED. MINIMUM DEPTH OF WATER LINE SHALL BE FIVE FEET. DIVISION OF WORK SHALL BE AS FOLLOWS:
- UTILITY COMPANY SHALL PROVIDE THE APPROVAL OF BACKFLOW PREVENTER AND TAPPING SLEEVES. UTILITY COMPANY SHALL REVIEW AND APPROVE ALL MATERIALS AND APPARATUSES PRIOR TO INSTALLATION, INCLUDING BUT NOT LIMITED TO THE FIRE HYDRANT AND CURB STOPS
- GENERAL CONTRACTOR SHALL SUPPLY 6" TAP AT THE EXISTING MAIN, PIPING FROM THE TAP TO THE BUILDING, CURB BOXES, AND FIRE HYDRANT. CONTRACTOR SHALL EXTEND 6" SERVICE INTO UTILITY ROOM AND SUPPLY 2" SPLIT FOR DOMESTIC SERVICE OFF OF 6" COMBINED SERVICE LINE, AND BACKFLOW PREVENTION FOR FIRE AND DOMESTIC LINES PER PLUMBING PLANS. CONTRACTOR SHALL SUPPLY AND INSTALL 1" SPLIT OFF OF DOMESTIC SERVICE FOR IRRIGATION SERVICE, PIPING TO BE TYPE "K". AND 1" RPZ BACKFLOW PREVENTER PER PLUMBING PLANS. PIPING DOWNSTREAM OF RPZ SHALL BE 1-1/2" SCHEDULE 40 PVC STUBBED TO EXTERIOR OF THE FOUNDATION WALL 18" BELOW GRADE WITH SHUTOFF VALVE.
- THRUST BLOCK. TO BE INSTALLED IN ACCORDANCE WITH KENT COUNTY WATER AUTHORITY. SEE DETAIL C4.1-05
- PROPOSED SITE LIGHT BY OTHERS.
- 4" DIAMETER SCHEDULE 40 IRRIGATION SLEEVE. GENERAL CONTRACTOR SHALL PROVIDE PULL WIRE AND FLAG ENDS OF SLEEVES. VERIFY SLEEVE LOCATIONS WITH IRRIGATION CONTRACTOR.
- $\overline{\left<9\right>}$ EXISTING FIRE HYDRANT TO REMAIN. DO NOT DISTURB.
- SANITARY SEWER LATERAL. PIPE SHALL BE P.V.C. ASTM D-3034 SDR 35, SEE PLAN FOR LENGTH, SIZE AND SLOPE. JOINTS SHALL CONFORM TO ASTM D-3212. PROVIDE CLEANOUTS AS INDICATED BY "CO" PER DETAIL C4.1-01. COORDINATE LOCATION OF SANITARY SEWER LATERAL THROUGH FOUNDATION WITH STRUCTURAL DRAWINGS. MAINTAIN A MINIMUM OF 10' HORIZONTAL AND 18" VERTICAL SEPARATION FROM WATER.
- 4000 GALLON GREASE INTERCEPTOR. INSTALL PER ALL GOVERNING CODES. MAINTAIN A MINIMUM DISTANCE OF 8' FROM BUILDING. SET MANHOLE LIDS FLUSH WITH GRADE. SEE
- CONTRACTOR TO TAP INTO EXISTING WATER MAIN WITH 6" X 6" TAPPING SLEEVE APPROVED BY KENT COUNTY WATER AUTHORITY. CONTRACTOR SHALL COORDINATE ALL WORK WITH KENT COUNTY WATER AUTHORITY AND NATIONAL AMUSEMENTS. SEE DETAIL C4.2-03. NO WORK SHALL COMMENCE UNTIL THE CONTRACTOR VERFIES ALL APPROVALS HAVE BEEN OBTAINED FOR OPENING THE EXISTING SITE.
- CONTRACTOR TO RELOCATE SITE LIGHT. COORDINATE WITH THE DEVELOPER FOR
- RECONNECTING THE SERVICE. PROPOSED UNDERGROUND STORM SYSTEM. SEE STORM WATER MANAGEMENT PLAN.
- SEE SHEET C2.0.
- AREA DRAIN IN TRASH ENCLOSURE. SEE ARCHITECTURAL PLANS.
- SANITARY SEWER SERVICE TO TIE INTO MANHOLE UPSTREAM OF EXISTING PUMP
- PROPOSED WATER VALVE BOX PER KENT COUNTY WATER AUTHORITY RULES AND
- REGULATIONS. SEE DETAIL C4.1-03. CONTRACTOR TO INSTALL SIAMESE FIRE CONNECTION PER ALL SPECIFICATIONS OF THE
- CITY OF WARWICK FIRE DEPARTMENT.
- CONTRACTOR TO INSTALL TRANSFORMER PAD PER UTILITY PROVIDERS SPECIFICATIONS.
- CONTRACTOR TO INSTALL FIRE HYDRANT PER ALL CITY OF WARWICK FIRE DEPARTMENT SPECIFICATIONS AND PER DETAIL C4.2-02.
- (21) CANDY CANE VENT TERMINATION. SEE DETAIL C4.1-07
- CHLORINATION PORT. CHLORINATION/ DISINFECTION OF PROPOSED SYSTEM IS TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE KENT COUNTY WATER AUTHORITY RULES AND REGULATIONS PRIOR TO ACTIVATING SERVICE LINE. CHLORINATION PORTS IN ACCORDANCE WITH KENT COUNTY SPECIFICATIONS ARE TO BE
- INSTALLED AS NECESSARY TO ACHIEVE DISINFECTION. (23) 3" VENT FROM GREASE TRAP.

STATION AND FORCE MAIN

SANITARY STRUCTURE SCHEDULE

SANITARY MANHOLE SEE DETAIL C4.2-06 RIM = 225.00INVERT = 219.02 ININVERT = 218.92 OUT

EXISTING SANITARY MANHOLE SEE DETAIL **C4.1-04** FOR CONNECTION

SEE DETAIL C4.2-06 RIM = 234.40RIM = 227.00INVERT = 229.06 IN (6" GREASE) INVERT = 218.99 IN (PROPOSED) INVERT = 218.49 IN (EXISTING) INVERT = 229.06 IN (6" SAN) INVERT = 218.49 OUT

INVERT = 228.96 OUT (6" OUT)

SANITARY MANHOLE SEE DETAIL **C4.1-04** FOR CONNECTION RIM = 234.63

INVERT = 229.22 IN INVERT = 229.12 OUT



SANITARY DROP MANHOLE

SEE DETAIL C4.2-04

INVERT = 226.78 IN

INVERT = 224.37 OUT

SANITARY MANHOLE

RIM = 231.10



1000 Winter Street Suite 2900 Waltham, MA 02451 781.290.2900 T

781.487.9996 F

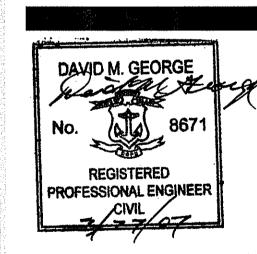
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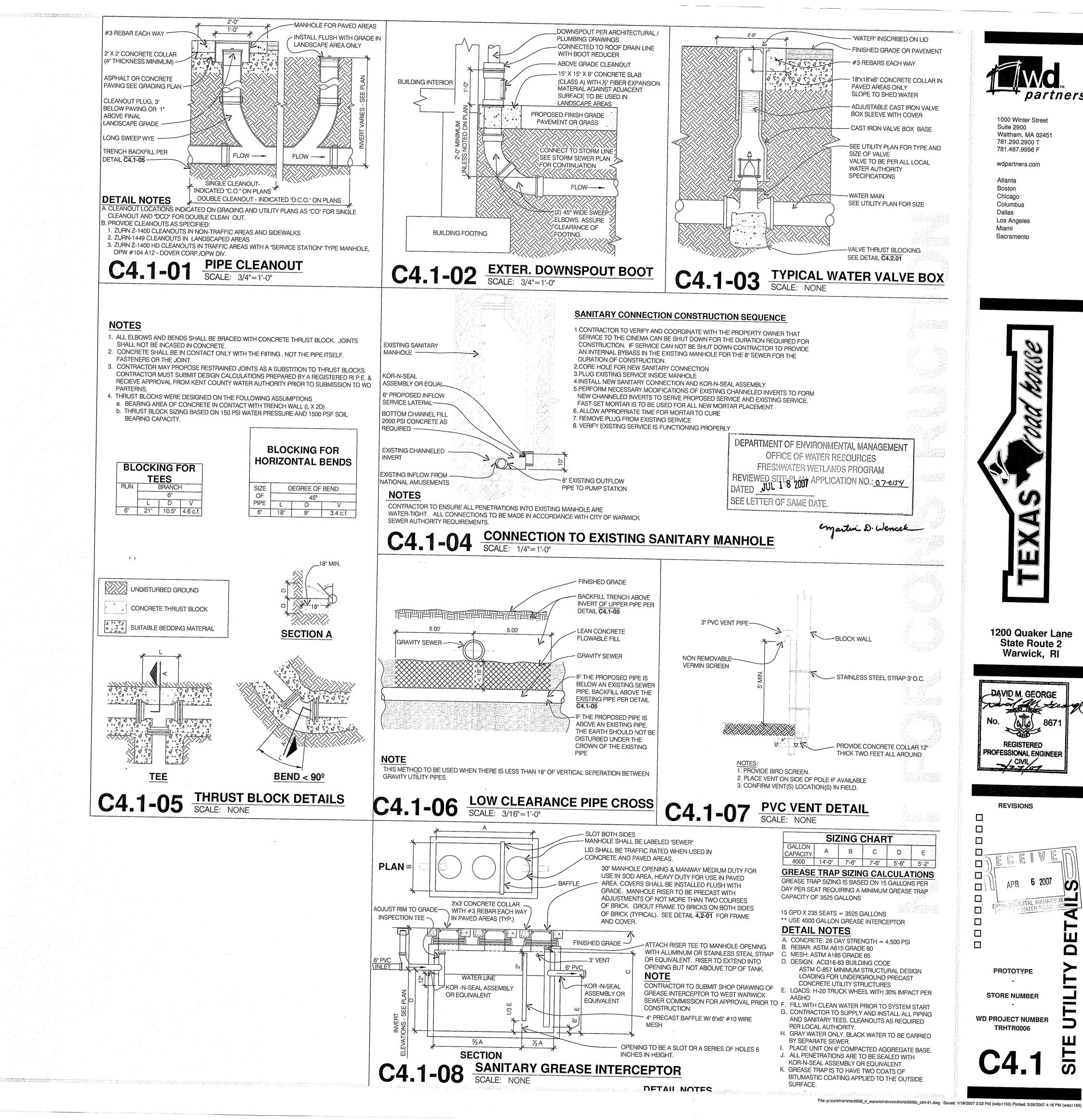
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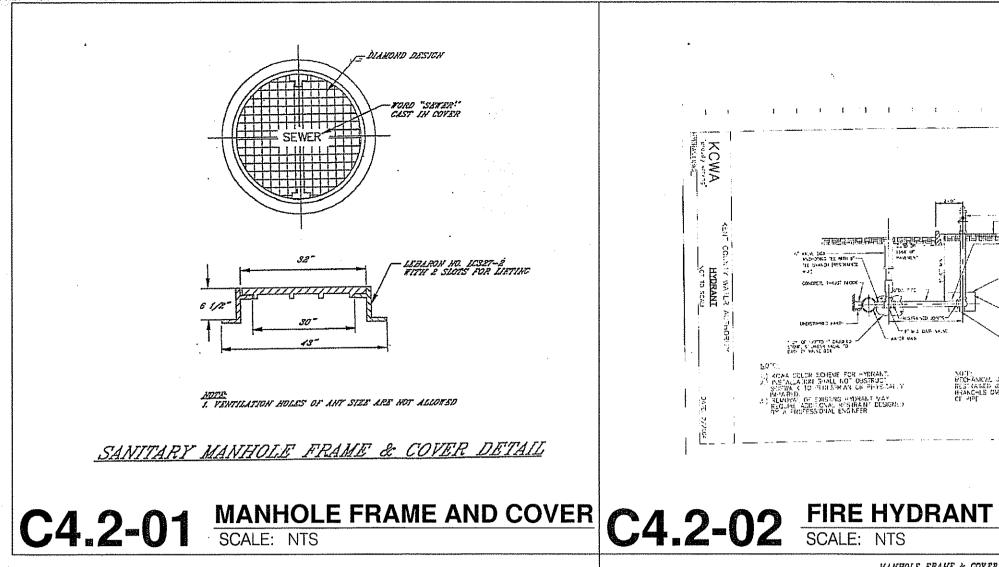
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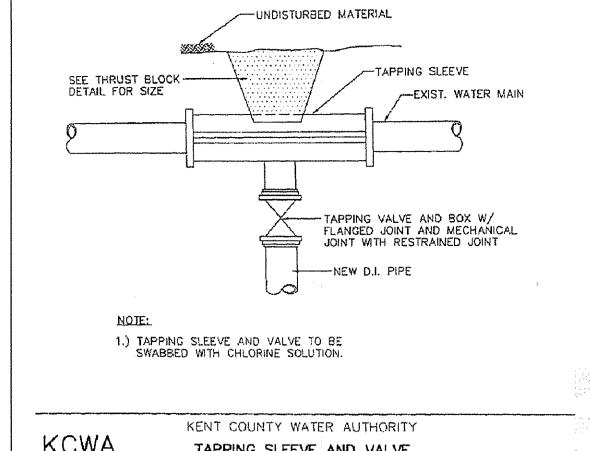
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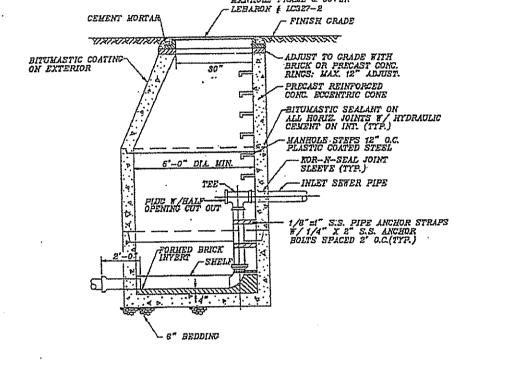






KCWA "proudly serving" TAPPING SLEEVE AND VALVE NOT TO SCALE

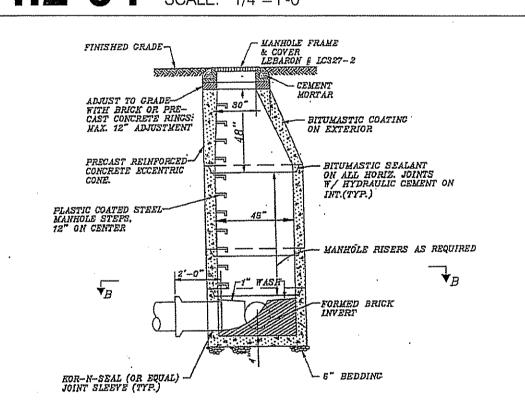
DATE: 2/2004 TAPPING SLEEVE AND VALVE



1. ALL LIFTING HOLES TO BE PLUGGEDIN AND OUT FITH HYDRAULIC CEMENT. 2. DROP PIPE SHALL EE PVC AND SAME SIZE AS INLET SEWER.

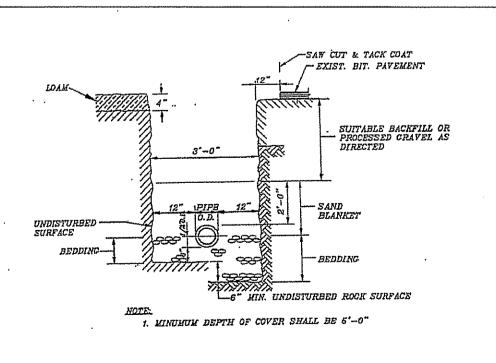
INSIDE DROP SANITARY MANHOLE

SANITARY DROP MANHOLE



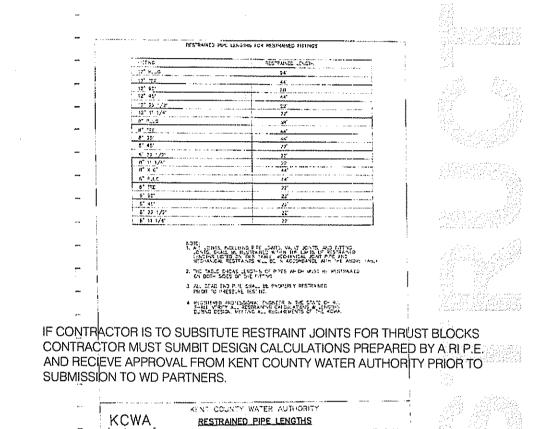
NOTE: ALL LIFTING HOLES TO BE PLUGGED IN AND OUT WITH HYDRAULIC CEMENT. SANITARY MANHOLE DETAIL

C4.2-06 SANITARY MANHOLE SCALE: 1/4"=1'-0"

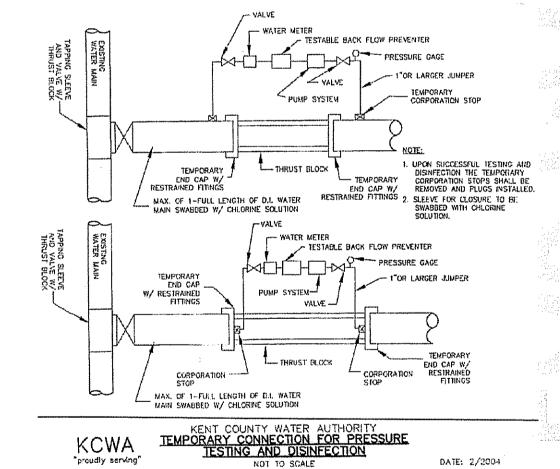


TRENCH DETAIL

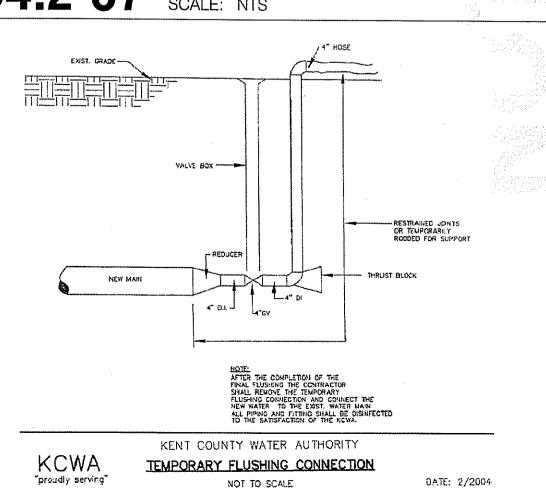
C4.2-08 TRENCH INSTALLATION SCALE: 3/8"=1'-0"



RESTRAINED PIPE LENGTHS C4.2-05



TEMPORARY CONNECTION



TEMPORARY FLUSHING CONN. C4.2-09

NOT TO SCALE

DATE: 2/2004

1200 Quaker Lane State Route 2 Warwick, RI REGISTERED PROFESSIONAL ENGINEER

CONTAINED ON THIS SHEET WERE NOT PREPARED BY WD PARTNERS,

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REVISIONS **PROTOTYPE** STORE NUMBER

WD PROJECT NUMBER

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF WATER RESOURCES FRESHWATER WETLANDS PROGRAM DATED SITE PLAN APPLICATION NO.: 07-0154 SEE LETTENUDE SAMEJUATE.

Comparteri D. Wencek

THE FOLLOWING DETAILS WERE NOT PREPARED BY WD PARTNERS: C4.2-01 C4.2-02 C4.2-03 C4.2-04 C4.2-05 C4.2-06 C4.2-07 C4.2-08 C4.2-09