

Texas Roadhouse Restaurant / Howell

Stage:

Project ID #:

Staff Estimate Value

Restaurants Category: Street Address:

Rte. 9 and Lanes Mill Rd. Howell NJ

07731

Monmouth County:

Bid Date: 11/3/2016

Architect: Greenberg Farrow - New York Office Documents Available: Plans, Specs available in Insight

10/10/2016 Last Update:

Plans were Added/Updated

1002439279

Biddate Set

\$2,000,000,00

New

Private

Personal Notes			
User	Note	Update Date	Private?
Adam Sweet	3KGAL GREASE INTERCEPTOR	10/19/2016	False

Notes

Scope

Site work, paving and new construction of a restaurant in Howell, New Jersey. Completed plans call for the construction of a 7,163-square-foot, one-story above grade restaurant. *This project is being bid by invitation only. If you have been contacted by the owner to bid on this project as a general contractor, and would like to be listed below, please notify oureditorial staff/a>. *The owner requests that all subcontractor / supplier inquiries be directed to the GC Bidder. *Please do not contact the owner or architect for any reason. *NOTE THAT THE OWNER SUPPLIES THE STRUCTURAL STEEL, WOOD TRUSSES, KITCHEN FOLLIPMENT HYAC FOLLIPMENT LIGHT FIXTURES AND SWITCH GEAR FIRE ALARM & SECURITY

EQUIPMENT, HVAC EQUIPMENT, LIGHT FIXTURES AND SWITCH GEAR, FIRE ALARM & SECURITY,

INTERIOR DECOR AND BOOTHS.

Notes Development include(s): Site Work, New Construction, Paving

[Division 2]: Paving & Surfacing, Irrigation. [Division 5]: Structural Steel, Metal Fabrications. [Division Details

14]: Material Handling Systems, Hoists & Cranes.

Additional Details

Report Date: 10/19/2016 9:50:36 AM

7,163Square Feet Listed On: 1/21/2016 Floor Area:

Contract Type: Work Type: Stage Comments 1: Floors Below Grade:

Stage Comments 2: Owner Type:

Bid Date: 11/3/2016 Mandatory Pre Bid Conference:

12/5/2016 Invitation #: Commence Date:

1 Completion Date: Structures:

Single Trade Project: Site Area:

LEED Certification Intent: Floors:

Parent Project ID: Units:

Parking Spaces:

Project Participants											
Company Role	Company Name	Contact Name	Address	Phone	Email	Fax					
Mechanical and Electrical Engineer, Structural Engineer	Greenberg Farrow - Atlanta Office	Biljana Bulakovska	1430 West Peachtree Street, NW Suite 200, Atlanta, GA 30309	(404) 601- 4000	bbulakovska@greenb ergfarrow.com	(404) 601- 3970					
Architect	Greenberg Farrow - New York Office	Dawn Schaffran	44 W. 28th St. 15th Fl., New York, NY 10011	(212) 725- 9530	dschaffran@greenber gfarrow.com	(212) 725- 9552					
Owner	Texas Roadhouse Inc.	Douglas Druen	6040 Duchmans Ln. , Louisville, KY 40205	(502) 515- 7264	douglas.druen@Texa sRoadhouse.com	(502) 515- 7260					
Mechanical and Electrical Engineer, Structural Engineer	Greenberg Farrow - Atlanta Office	Eric Wolf	1430 West Peachtree Street, NW Suite 200, Atlanta, GA 30309	(404) 601- 4000	ewolf@greenbergfarr ow.com	(404) 601- 3970					
Civil Engineer	Greenberg Farrow - Boston Office	Gregg Burnett	225 Cedar Hill St. Ste. 200, Marlborough, MA 01752	(508) 229- 0032	gburnet@greenbergfa rrow.com						

Bidders								
Company Name	Added Date	Address	Phone	Email	Bidding Role	Bid Rank	Bid Value	Fax Number
Kelley Construction Inc.	10/3/20 16	12550 Lake Station Pl. , Louisville, KY 40299	(502) 239- 2848	web@kelleyconstr uction.com	General Contractor			(502) 239- 6820

		40233							
Buyer	Activity Re	port							
Status	Activity Lev	el Contac t	Company Name	Source	Phone	Email	Business Type	Trades	Last Active
New		mike kelly	Premier Fire System	CONSTRUCTION DATA	(908) 884- 8494	mikekelly@ PREMIERFIR ESYS.US	Subcontract	Fire Suppression, Water-Based Fire- Suppression Systems, Fire- Extinguishing Systems, Fire Pumps, Fire	10/13/2016
New		Doug Armour	Central Irrigation Supply	Month Insight	(763) 795- 8353	darmour@c entraltis.co m		General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	
New		Eric Curran	Church Brick Company	CONSTRUCTION DATA	(609) 298- 0090	ecurran@ch urchbrick.co m	or	Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion- Resistant Masonry, Manufactur	10/11/2016
New		Kathy Koenig	Church Brick Company	CONSTRUCTION DATA	(609) 298- 0090	kkoenig@ch urchbrick.co m		Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P	10/11/2016
New		Miguel Martins	JCpA Group LLC (rough carpentry)	bidclerk	(856) 368- 9510	miguel@jcp agroup.net	Subcontract or	General Requirements	10/11/2016
New		Robert Shimko	I B E W Local	CONSTRUCTION DATA	(732) 681- 7111	robert@ibe w400.org		General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	
New		Bill Baker	P & N Distribution Corp	Minsight	(609)- 747- 1040	bbaker@pn distribution. com	Other	Plumbing, Plumbing Piping and Pumps, Plumbing Equipment, Plumbing Fixtures, Pool and Fountain Plumbi	10/10/2016
New		Goncalo Gaga	3G Construction, Inc.	CONSTRUCTION DATA	(732) 609- 2606	ggaga@3gc onstruction. us		Demolition and Structure Movina.	10/9/2016

							Concrete, Earthwork, Site Clearing, Earth Moving, Earthwork Methods	
New	Bradfor d Calamia	Bradford Contracting	bidclerk	(732) 207- 4923	nikellivsam @aol.com	Subcontract or	Wood, Plastics, and Composites, Rough Carpentry, Finish Carpentry, Storage Shelving, Wardrobe and Cl	10/7/2016
New	Marty Okun	Intex Commercial Door Systems	CONSTRUCTION DATA	(973895) 878- 1123	mokun@int exdoor.com		Doors and Frames, Specialty Doors and Frames, Access Doors and Panels, Pressure- Resistant Doors, Ent	10/6/2016
New	Gene K	Pro 4 You LLC (Electric, Plumbing & HVAC)	bidclerk	(973) 996- 8822	info@pro4y oullc.com	Subcontract or	Plumbing, Plumbing Piping and Pumps, Plumbing Equipment, Plumbing Fixtures, Pool and Fountain Plumbi	10/6/2016
New	Debbie Capoan o	Capoano Contractors Inc	bidclerk	(732) 244- 5595	dcapoano@ capoanoco ntractors.co m	Subcontract or	Rough Carpentry	9/9/2016
New	David Plechne r	FJP Services	bidclerk	(215) 675- 9071		Subcontract or	Roof and Wall Specialties and Accessories, Earthwork, Site Clearing, Earth Moving, Earthwork Methods	8/18/2016
New	michael wasik	Red Lion Insulation	CONSTRUCTION DATA		MICHAEL.W ASIK@TRUT EAM.COM	or	Thermal and Moisture Protection, Thermal Protection, Exterior Insulation and Finish Systems, Firesto	4/21/2016
New	Anthony Battagli a	D & J Mazza Demolition Inc	CONSTRUCTION DATA		ANTHONY @MAZZADE MO.COM	Subcontract or	Demolition and Structure Moving, Site Clearing, Earth Moving	2/10/2016
New	Aqil Unia	Visual Citi Inc	Insight	631- 482- 3030	aqil@visual citi.com	Subcontract or		10/18/2016
New	Andrew Flood	Hamilton Construction;j oseph	CONSTRUCTION DATA		AFlood@18 88autodoor. com	Subcontract or	General Requirements, Summarv.	10/18/2016

Report Date: 10/19/2016 9:50:36 AM

							Price and Payment Procedures, Administrativ e Requirements,	
New		Shore Environmenta I Llc	CONSTRUCTION DATA	(732) 747- 1112	pete@shorel lc.com	Subcontract or	Survey and	10/17/2016
New	Cutchall	Commerical Roofing Solutions	CONSTRUCTION DATA	(610) 874- 2673	rcutchall@c rsreps.com		Thermal and Moisture Protection, Thermal Protection, Roofing and Siding Panels, Membrane Roofing, Fl	10/17/2016
New	Jonatha n Ricabla nca	Maser Consulting	7. iSqFt'	(732) 383- 1950	jricablanca @masercon sulting.com			10/14/2016
New	Jon Bloomfi eld	Invision Flooring LLC - 203466031	Molnsight	(502) 438- 1496	jon@invisio nfloors.com		Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P	10/14/2016
New	Jason Caneer	Eric Sons	Insight	(770)- 505- 6003	jcaneer@eri c-sons.com		General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	10/14/2016
New	Tricia Moran	Hy-Safe Technology	Molnsight	262- 752- 2400	tmoran@hy safe.com	Subcontract or	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements,	10/12/2016
New	Dave M. Vanderh off		CONSTRUCTION DATA	(973) 227- 7866	DAVE@MUL LENROOFIN G.COM		Survey and General Requirements, Summary, Price and Payment Procedures, Existing Conditions, Assessment, Therma	10/11/2016
New		Engineered Security Systems	CONSTRUCTION DATA		jboylan@en gineeredsec urity.com	Service Provider	General Requirements, Summary, Price and Pavment	10/10/2016

Requirements, Survey and... New Brian MK Fire (856)brian.geary Subcontract Existing 10/18/2016 Conditions, @mkfireprot or Geary Protection bidclerk 417-3601 ection.com Fire Suppression, Water-Based Fire-Suppression Systems, Fire-Extinguishing Syst... (973) 998-**Direct Audio** nicole@dire Subcontract Signage, New Nicole 10/18/2016 bidclerk Lintner Video ctavs.com Telephone 5035 Services Specialties, Special Purpose Rooms Thomas BH Design (201)saffpars@a Subcontract Metals, Cold-10/17/2016 New 566-Saffioti Group LLC Formed Metal bidclerk ol.com or 4179 Framing, Metal Fabrications, Handrails and Railings, Decorative Metal, Woo... New Marty R&L (561) rlestimate@ Service General 10/17/2016 Estimating 361-Ryback CONSTRUCTION DATA aol.com Provider Requirements, 0088 Services Summary, Temporary Facilities and Controls, Concrete. Concrete Forming and Acc... New Barb Asteroid bh@asteroi Service 10/14/2016 General dcleaningso Provider Hickma Cleaning Requirements, CONSTRUCTION DATA Solutions Inc lutions.com Summary, Price and Payment Procedures. Administrativ Requirements, Survey and... New John Yannuzzi (908)johnm@yan Other Utilities. 10/13/2016 218-Mucha Group Inc CONSTRUCTION DATA nuzzigroup. Water 0880 com Utilities, Wells, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and ... (610) 820-Thermal and 10/13/2016 New Zach Quality zbowers@q Supplier **Bowers** Roofing bidclerk ualityroofin Moisture Supply Co 5366 Protection, gsupply.co Dampproofin g and Waterproofin g, Thermal Protection, Steep Slope Roo... (315)nabinb@ric Service New Nabin Riccelli Contaminate 10/12/2016 Bhattari **Enterprises** 433cellienterpri Provider d Site CONSTRUCTION DATA 5115 Material Inc ses.com Removal, Concrete Ne Regional (609)Icolatrella@ Public 10/12/2016 New Lisa General 567-Requirements, Colatrell Council Of northeastca Entity CONSTRUCTION DATA 0206 Carpenters rpenters.ora Summary.

Procedures, Administrativ

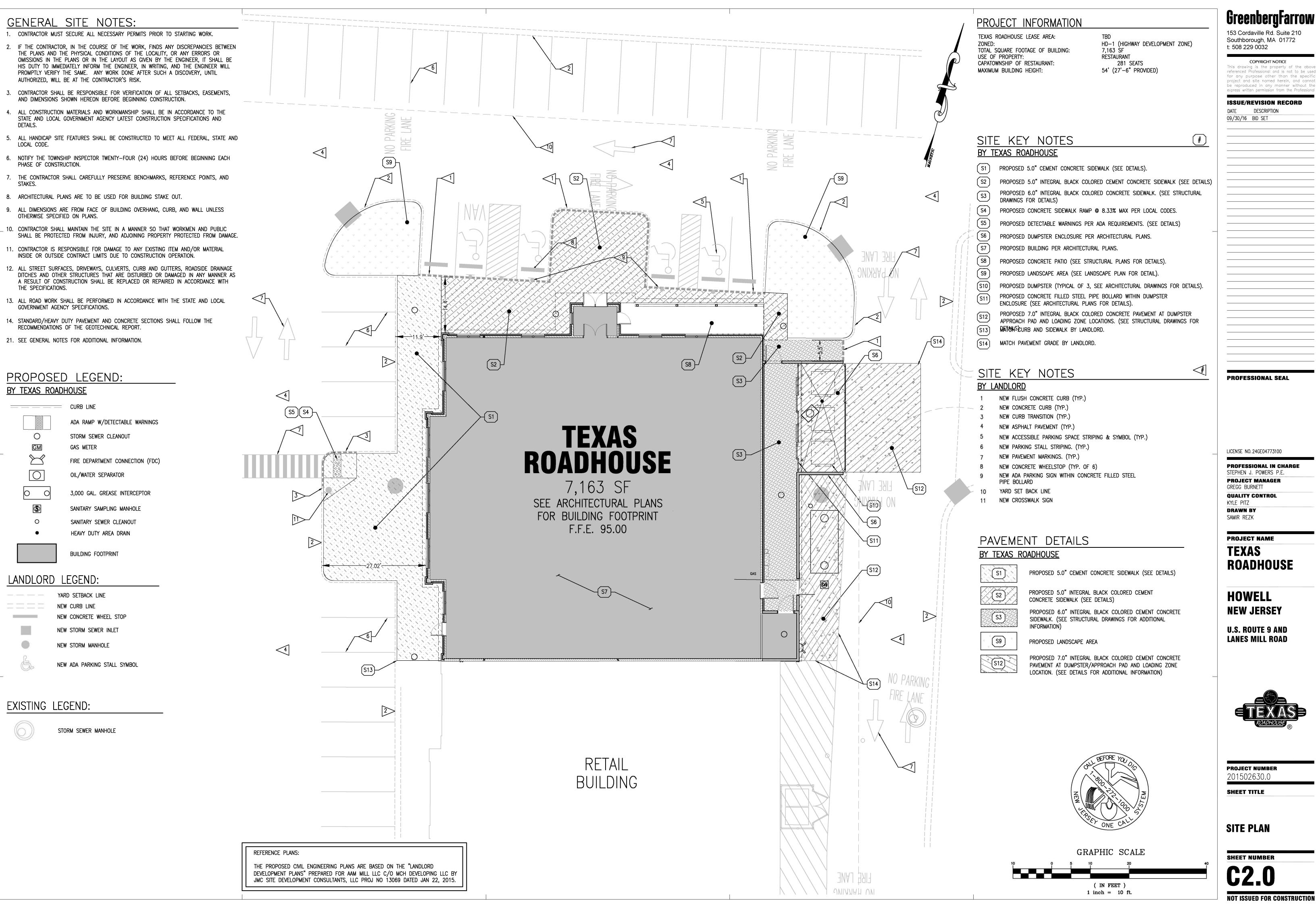
						, ,		Price and Payment Procedures, Administrativ e Requirements, Survey and	
New		Masashi Kataya ma		CONSTRUCTION DATA		KATAYAMA M@KBDGRO UPUSA.CO M	Design / Builder	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	10/12/2016
New		Dave Hesano	OCONNOR COMMERCIAL , INC	Insight	248- 351- 2045	david.hesan o@cbre.co m	Other	Plumbing, Plumbing Piping and Pumps, Plumbing Equipment, Plumbing Fixtures, Pool and Fountain Plumbi	10/11/2016
New		Ken Ezzo	Angelini Inc;ray	CONSTRUCTION DATA	(609) 228- 5566	kezzo@rais ervices.com	Subcontract or	Electrical Utilities, Communicati ons Utilities	10/11/2016
New		Steve Gaddy	Affordable Fire Protection	CONSTRUCTION DATA	(609) 927- 9220	STEVE@AF PI.US	Subcontract or	Fire Suppression, Water-Based Fire- Suppression Systems, Fire- Extinguishing Systems, Fire Pumps, Fire	10/11/2016
New		Nick Vlahos	Coastal Concrete Services LLC	bid clerk	(732) 432- 4000	office@coas talconj.com	Subcontract or	Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P	10/11/2016
New		Ken Jones	Lvn Construction Co Inc	CONSTRUCTION DATA	(732) 938- 3303		Subcontract or	Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Shoring and Underpinning, Excavation Supp	10/11/2016
New		susan villamen a	Acrylic Flooring Llc	CONSTRUCTION DATA	(973) 277- 4343	SUSAN@AC RYLICFLOOR ING.COM	Subcontract or		10/10/2016
New		Wesley Peterso n	Peterscape Land Clearing & Recycling, Inc.	bidclerk	(973) 701- 6900	info@peters cape.com	Subcontract or	Earthwork, Site Clearing, Earth Moving	10/10/2016
New		Phil Blankste in	The boulder group	bidclerk	(847) 881- 6388	scott@boul dergroup.co m	Other	General Requirements	10/10/2016
New		Tony Triola	Triola Builders Llc	CONSTRUCTION DATA	(732) 379- 7449	AJTBRICK@ AOL.COM	Subcontract or	Masonry, Unit Masonry, Stone Assemblies.	10/7/2016
Donaut Data	. 10/10/2016 0:50:3	C A N A	@ 20	16 ConstructConnect	All Diabto	Doggrand		, Joernbiles	Page 6 of

								Refractory Masonry, Manufactured Masonry	
New		Juliann e Venezia		CONSTRUCTION DATA	(973) 667- 1643	JULIANNE @PAVELEC BROTHERS. COM	Other	Concrete, Concrete Forming and Accessories, Concrete Reinforcing, Cast-in-Place Concrete, Concrete P	10/6/2016
New		Nat Acchion e	American Masonry	CONSTRUCTION DATA	(856) 829- 8400	nata@ameri canmasonr ycorp.com		Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion- Resistant Masonry, Manufactur	10/6/2016
New		emilio ameno	roma custom woodworking	bidclerk	(732) 705- 3660	emilio@rom acabinetry.c om	Subcontract or	Finish Carpentry, Architectural Woodwork	10/5/2016
New		Joe Marshal I	Midway Glass & Metal	CONSTRUCTION DATA	(201) 794- 6777	estimating @midwaygl ass.com	Subcontract or	Openings, Entrances, Storefronts, and Curtain Walls, Glazing, Louvers and Vents	10/5/2016
New		nn	AAA Fire Protection	b ⁱ d clerk	(973) 678- 3473	kevin@aaafi reprotect.co m	Subcontract or	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	10/5/2016
New		Tanveer Devji	Visual Citi Inc	Insight	631- 482- 3030	tanveer@vis ualciti.com	Subcontract or	Specialties, Chalkboards, Markerboards and Tackboards, Display Cases, Directories and Plaques, Traff	10/4/2016
New		Ashley Cittadin o	Hotels Unlimited	CONSTRUCTION DATA	(732) 922- 9600	acittadino@ hotelsunlimi ted.com	Architect	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	10/4/2016
New		Bonnie Beegal	Novacrete	CONSTRUCTION DATA	(856) 866- 7688	bonnie@no vacrete.com	Subcontract or		10/4/2016
New		John D	ARI Construction Group	bidclerk	(973) 749- 6797	estimating @aricg.com	Subcontract or	Requirements, Summary, Price and Payment Procedures, Administrativ e	10/4/2016
	40/40/00/40 0 55		0.55	40.0				Requirements, Survey and	.

New		Lou Cyktor	Lark farm &a nurseries IIc	bidclerk	(908) 599- 3657	Loulark@ao I.com	Subcontract or	Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Ponds and Reservoirs	10/3/2016
New		Jaime Patteso n	Stan Johnson	CONSTRUCTION DATA	(832) 476- 3440	jpatteson@ stanjohnso nco.com	Other	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	9/16/2016
New		mike tranberg	Plumbers & Pipefitters Local 9	CONSTRUCTION DATA	(732) 792- 0999	org	Subcontract or	Plumbing Piping and Pumps, Plumbing Equipment, Plumbing Fixtures, Pool and Fountain Plumbi	8/17/2016
New		Dave Jansen	Active Plumbing	CONSTRUCTION DATA	(201) 807- 1800	djanssen10 18@yahoo. com	Subcontract or	Gas and Liquid Purification Equipment	4/21/2016
New		Bill Schrade r	lorio Construction	CONSTRUCTION DATA	(732) 364- 4588	bill@iorioco nstructionc ompany.co m	Design / Builder	General Requirements, Summary, Site Remediation, Facility Remediation, Metal Restoration and Cleanin	2/17/2016
New		David Sebasti an	KRS Contractors	bidclerk	(908) 246- 3893	Davidkrsc@ gmail.com	Subcontract or	Demolition and Structure Moving, Concrete, Concrete Forming and Accessories, Concrete Reinforcing, C	2/15/2016
New			D & J Mazza Demolition Inc	CONSTRUCTION DATA		NADINE@G REENWAYD EMOLITION. COM	Subcontract or	Demolition and Structure Moving, Site Clearing	2/10/2016
New		Brian Kamp	Sheetmetal Workers Local 27	CONSTRUCTION DATA	(609) 387- 1950	Kamp27tre nton@aol.c om	Service Provider	Metals, Metal Restoration and Cleaning, Structural Metal Framing, Metal Joists, Metal Decking, Cold	
New		Jeff Abel	Electric Lighting Agencies	CONSTRUCTION DATA		jabel@electr iclighting.co m	Other	General Requirements	2/10/2016
New		George Lachen mayer	Di lorio & Sons Inc. V	CONSTRUCTION DATA	(908) 753- 2134	GWLSPRING MEADOW@ GMAIL.COM	Subcontract or	Utilities, Water Utilities, Sanitary Sewerage Utilities, Storm Drainage Utilities, Ponds and	2/9/2016

							Reservo	
New	Angelo Porchett a	Di lorio & Sons Inc. V	CONSTRUCTION DATA	(908) 753- 2134	APORCHET TA@GMAIL. COM	Subcontract or	Earthwork, Site Clearing, Earth Moving, Earthwork Methods, Shoring and Underpinning, Excavation Supp	2/9/2016
New	Andrew Belcher	AC Stone, Inc	bidclerk	(810) 632- 9503	stonemana ndy@hotma il.com		Masonry, Unit Masonry, Stone Assemblies, Refractory Masonry, Corrosion- Resistant Masonry, Manufactur	2/4/2016
New	bonnie sexton	JDB Equipment Inc.	bidclerk	(856) 691- 4070	bonniesexto n2354@yah oo.com	Supplier	General Requirements, Summary, Price and Payment Procedures, Administrativ e Requirements, Survey and	

Contracts					
Classification General Contractor	Conditions	Bonding	Bid Date 11/3/2016	Bids To General Contra	Bid Type ctor Invited Bidders
History					
User	Viewed	First Vi	ewed Date	Currently Tracked?	Date Tracked
Adam Sweet	True	10/19/2	016	False	



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ISSUE/REVISION RECORD

DESCRIPTION 09/30/16 BID SET

LICENSE NO. 24GE04773100

PROFESSIONAL IN CHARGE PROJECT MANAGER GREGG BURNETT

QUALITY CONTROL KYLE PITZ DRAWN BY SAMIR REZK

PROJECT NAME

TEXAS ROADHOUSE

HOWELL **NEW JERSEY**

U.S. ROUTE 9 AND **LANES MILL ROAD**

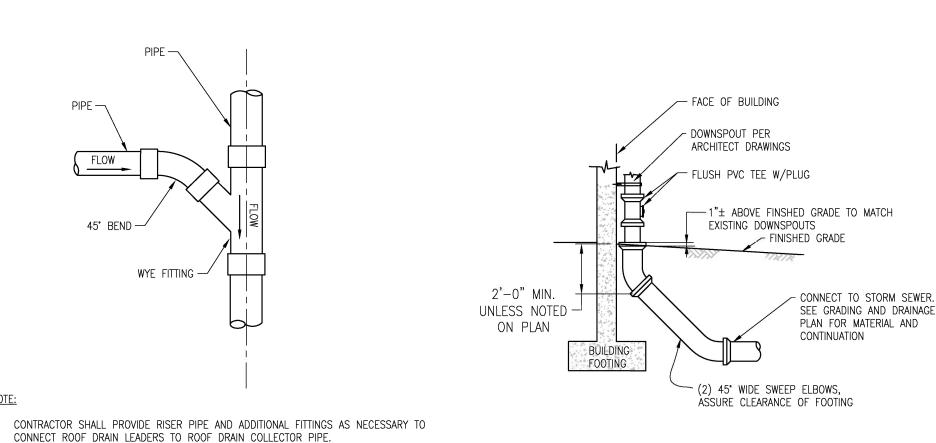


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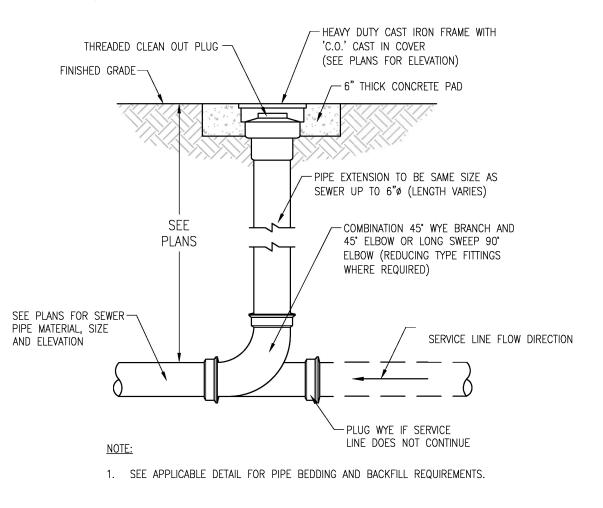
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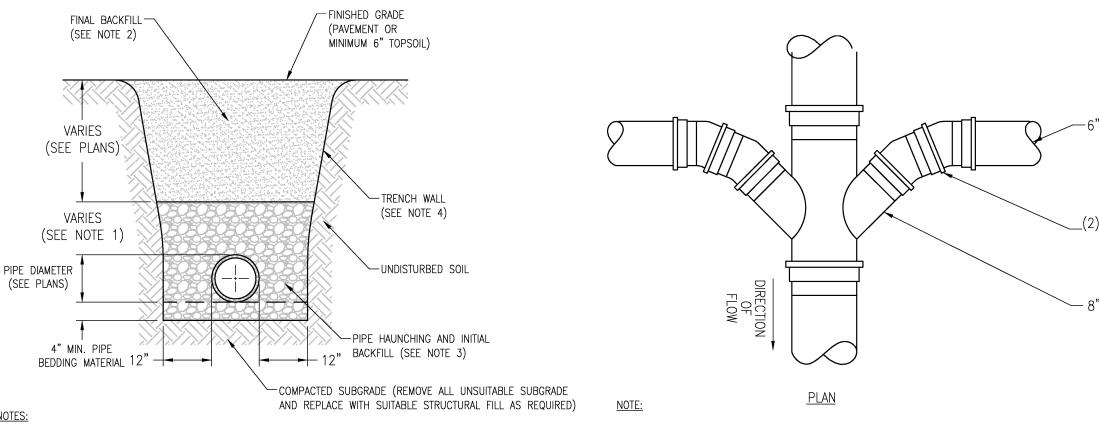
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DOWNSPOUT LEADER DETAIL NOT TO SCALE



STORM/SANTITARY CLEAN OUT DETAIL NOT TO SCALE

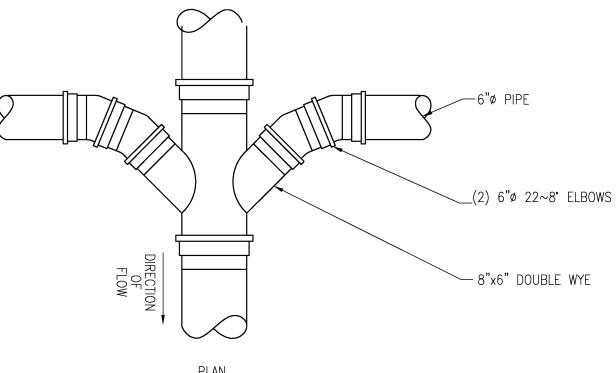


NOTES: 1. 12" MINIMUM INITIAL GRANULAR BACKFILL REQUIRED OVER TOP OF PIPE FOR PIPES UP TO AND INCLUDING 48" IN DIAMETER. 18" MINIMUM GRANULAR BACKFILL REQUIRED OVER TOP OF PIPE FOR PIPES GREATER THAN 48" IN

2. BACKFILL TRENCH WITH INORGANIC EXCAVATED MATERIAL EXCEPT WHERE UNDER OR WITHIN TWO (2) FEET OF PAVEMENT WHERE GRANULAR BACKFILL MATERIAL IS REQUIRED. 3. ALL BACKFILL MATERIALS SHALL BE PLACED AND PROPERLY COMPACTED TO 98% OF THE MATERIALS MAXIMUM DRY

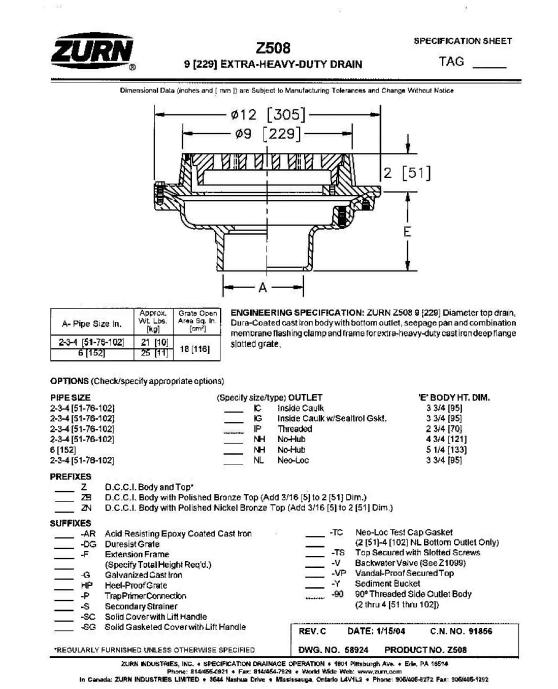
DENSITY IN ACCORDANCE WITH ASTM D698 AND THE GEOTECHNICAL ENGINEERING REPORT RECOMMENDATIONS. 4. ALL TRENCH EXCAVATIONS SHALL BE PROTECTED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS, LAWS AND RULES. AT A MINIMUM, THEY SHALL NOT BE LESS THAN THE STANDARDS AND REGULATIONS ESTABLISHED BY OSHA IN 29 CFR PART 1926.

> FLEXIBLE PIPE TRENCH DETAIL NOT TO SCALE



1. CONTRACTOR SHALL PROVIDE RISER PIPE AND ADDITIONAL FITTINGS AS NECESSARY TO CONNECT ROOF DRAIN LEADERS TO ROOF DRAIN COLLECTOR PIPE. 2. SEE PLANS FOR PIPE SIZE AND MATERIAL

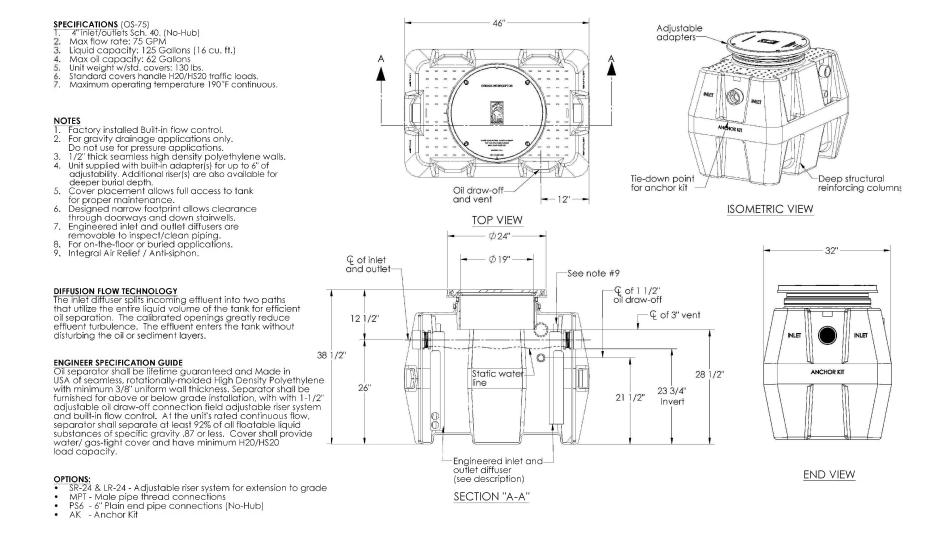
> STORM SEWER CONNECTION DETAIL NOT TO SCALE



NOT TO SCALE

2. SEE PLANS FOR PIPE SIZE AND MATERIAL

HEAVY DUTY DUMPSTER DRAIN NOT TO SCALE



Schier Products 9500 Woodend Road Edwardsville, KS 66111 Tel: 800-827-7119 Fax: 800-827-9664 75 GPM, 62 GALLONS OIL STORAGE, 125 GALLON LIQUID STORAGE CAPACITY, POLYETHYLENE OIL SEPARATOR MATL: HDPF Made in the U.S.A THE INFORMATION CONTAINED IN THE DRAWING IS THE SOLE PROPERTY OF SCHIER PRODUCTS. ANY PEPPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SCHIER PRODUCTS IS PROHISTIED. **DATE:** 5/7/08 **REV:** 1 - 3/23/11

SPECIFICATION SHEET

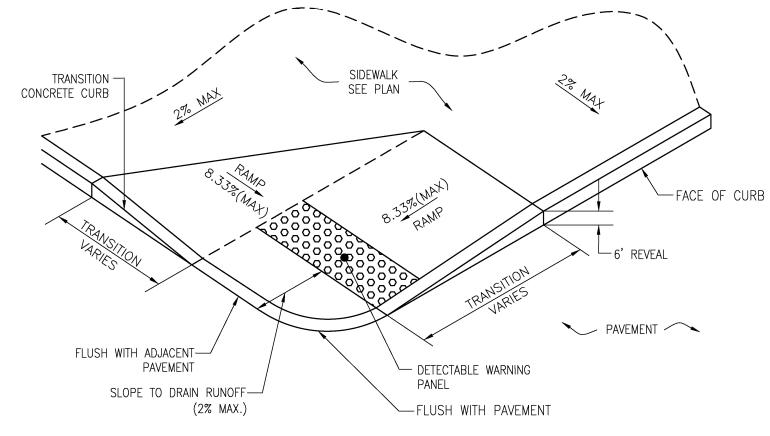
WITH 6X6-W2.0XW2.0 WELDED WIRE REINFORCING. 8" CRUSHED STONE -COMPACTED SUBGRADE (CONTRACTOR SHALL REMOVE ALL UNSUITABLE SUBGRADE AND REPLACE WITH SUITABLE STRUCTURAL FILL AS REQUIRED)

7" PORTLAND CEMENT CONCRETE (4,000 PSI) -

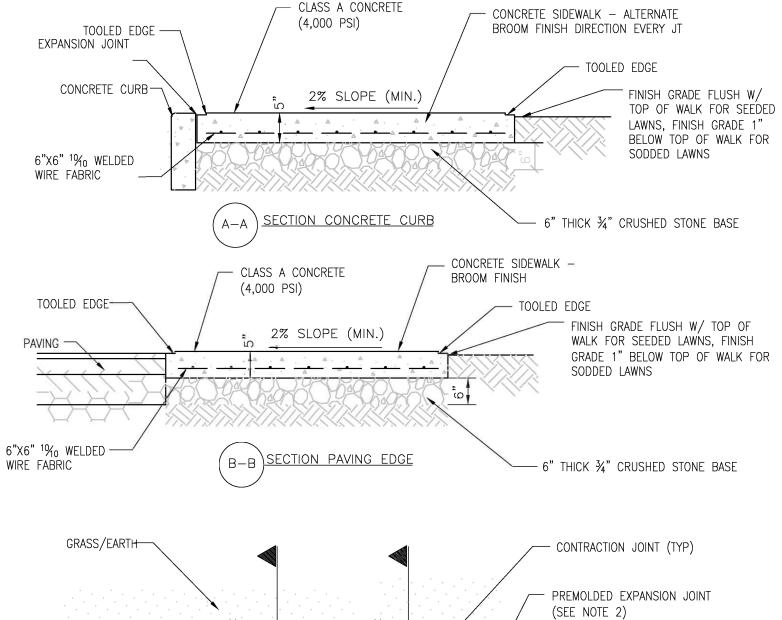
PAVEMENT MATERIALS AND PLACEMENT SHALL CONFORM TO NJDOT SPECIFICATIONS. EACH LAYER OF PAVEMENT SECTION SHALL BE APPROVED BY OWNERS REPRESENTATIVE PRIOR TO PLACEMENT OF

3. FINAL PAVEMENT DESIGN SHALL BE COORDINATED AND APPROVED BY GEOTECHNICAL ENGINEER, GENERAL CONTRACTOR AND OWNER PRIOR TO PAVEMENT CONSTRUCTION. 4. REFER GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION ON SUBGRADE PREPARATION AND REINFORMENT MEASURES OF RIGID PAVEMENT IN AREAS OF CONCENTRATED AND REPETITIVE LOADING CONDITIONS SUCH AS DUMPSTER PADS AND INGRESS/EGRESS APRONS.

NOT TO SCALE



SIDEWALK RAMP DETAIL NOT TO SCALE



FINISH: BROOM FINISH - INTERIOR W/ TOOLED EDGE-"WINDOW FRAME" — W (SEE SITE PLAN) / - CONCRETE CURB A-AB-B<u>PLAN</u>

1. SIDEWALK CROSS SLOP SHALL BE 15 MIN TO 2% MAX PROVIDE 1/2" PREMOLDED EXPANSION JOINTS AT 20 FOOT INTERVALS UNLESS OTHERWISE NOTED REINFORCING SHALL NOT EXTEND THROUGH EXPANSION JOINTS 4. SIDEWALK SHALL HAVE LIGHT BROOM FINISH

NOT TO SCALE

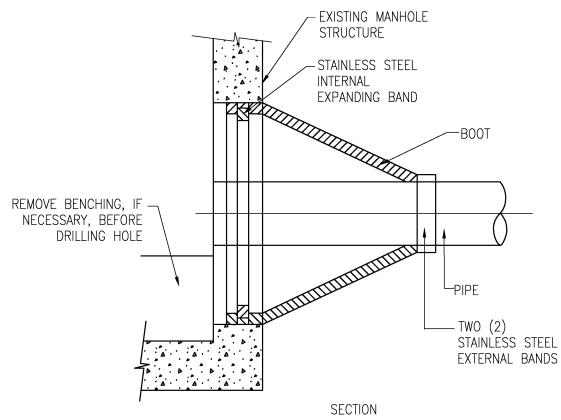
5. TRANSITIONS BETWEEN SURFACES SHALL BE LEVEL WITH A 4," MAXIMUM VERTICAL CHANGE BETWEEN SURFACES

FINISHED GRADE -SANITARY SEWER OR STORM SEWER PIPE BEDDING -PROPOSED WATERMAIN 45° ELBOW (TYP.) SUBGRADE

1. WHEN A SANITARY SEWER LATERAL CROSSES OVER A WATER LINE, A MINIMUM VERTICAL CLEARANCE OF 18" SHALL BE PROVIDED. IF THIS CLEARANCE IS NOT POSSIBLE, THEN BOTH THE WATER LINE AND THE SEWER LINE WILL BE ENCASED IN CONCRETE UNTIL THERE IS A 10' HORIZONTAL CLEARANCE BETWEEN THE TWO LINES.

2. ADHERE TO THE CRITERIA FOR THE SEPARATION BETWEEN WATER MAINS AND THE STORM AND SANITARY SEWER LINES AS DESCRIBE: WHEREVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAIN SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18 INCH VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18 INCH VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.

> WATER MAIN CROSSING DETAIL NOT TO SCALE



NOTES:

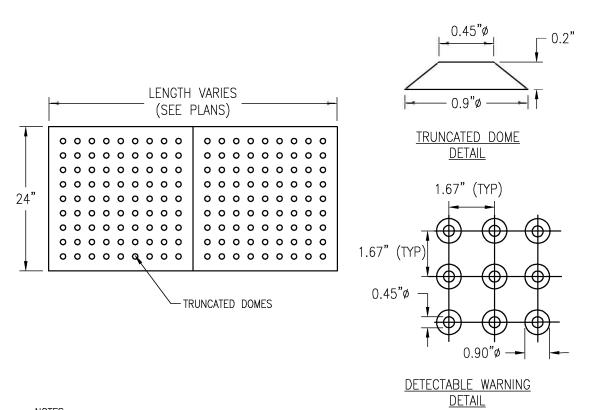
1. CORE-DRILL CIRCULAR OPENING IN MANHOLE WALL OF DIAMETER TO FIT THE REQUIRED BOOT SIZE.

2. KOR-N SEAL FLEXIBLE RUBBER BOOT (MANUFACTURED BY NATIONAL POLLUTION CONTROL SYSTEMS, INC. OR AS APPROVED BY THE ENGINEERING DEPARTMENT) SHALL BE USED FOR WATERTIGHT CONNECTION.

3. CUT, SHAPE AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW FROM NEW DRAIN PIPE CONNECTION.

4. CLEAN EXISTING MANHOLE OF ANY DIRT, CONCRETE OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.

> STORM/SANITARY SEWER CONNECTION <u>to existing structure detail</u> NOT TO SCALE



1. DETECTABLE WARNINGS SHALL BE VITRIFIED POLYMER COMPOSITE TILES BY ARMOR-TILE OR APPROVED EQUAL. TILES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES AND SHALL BE COLORED RED UNLESS OTHERWISE DIRECTED BY LOCAL BUILDING CODES. 3. TILES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

DETECTABLE WARNING DETAIL

NOT TO SCALE

LANES MILL ROAD

PROJECT NUMBER 201502630.0

SHEET TITLE

CONSTRUCTION

153 Cordaville Rd. Suite 210

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ISSUE/REVISION RECORD

DESCRIPTION

PROFESSIONAL SEAL

LICENSE NO. 24GE04773100

PROJECT MANAGER

QUALITY CONTROL

PROJECT NAME

HOWELL

NEW JERSEY

U.S. ROUTE 9 AND

ROADHOUSE

GREGG BURNETT

KYLE PITZ

DRAWN BY

SAMIR REZK

TEXAS

PROFESSIONAL IN CHARGE

Southborough, MA 01772

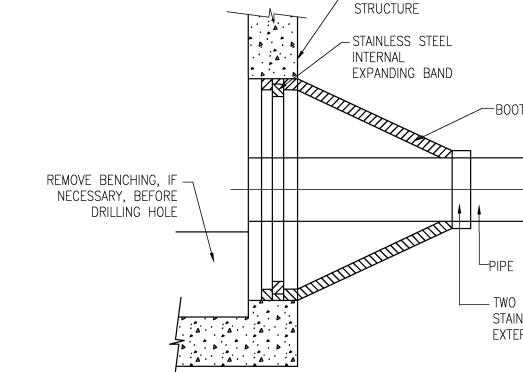
t: 508 229 0032

09/30/16 BID SET

SHEET NUMBER

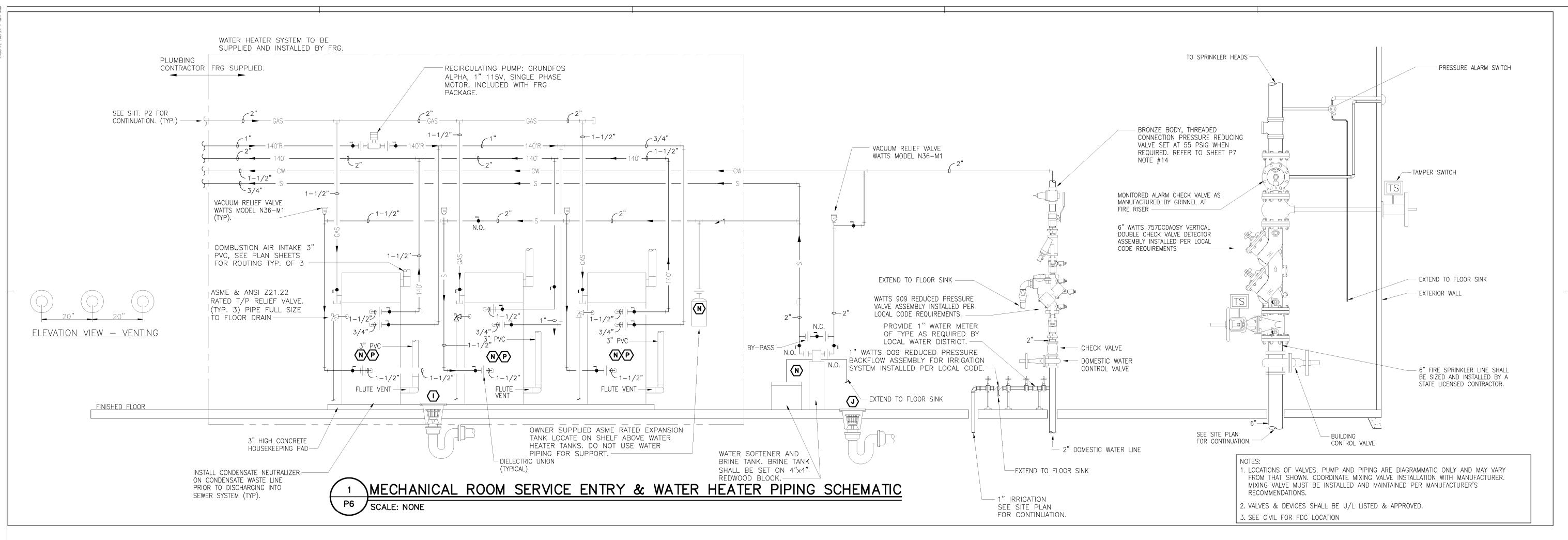
DETAILS

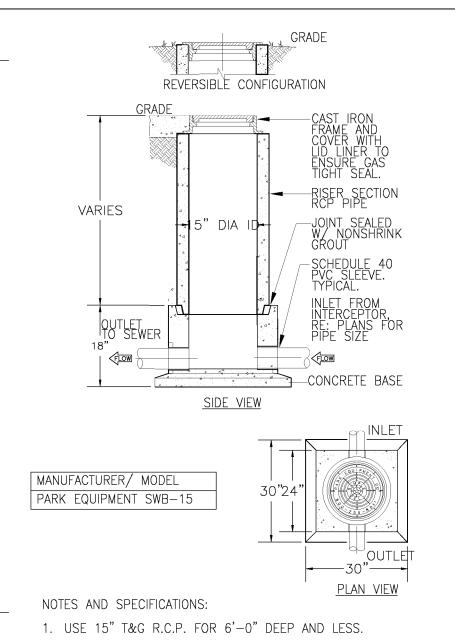
NOT ISSUED FOR CONSTRUCTION



OS-75 OIL/WATER SEPARATOR DETAIL

NOT TO SCALE



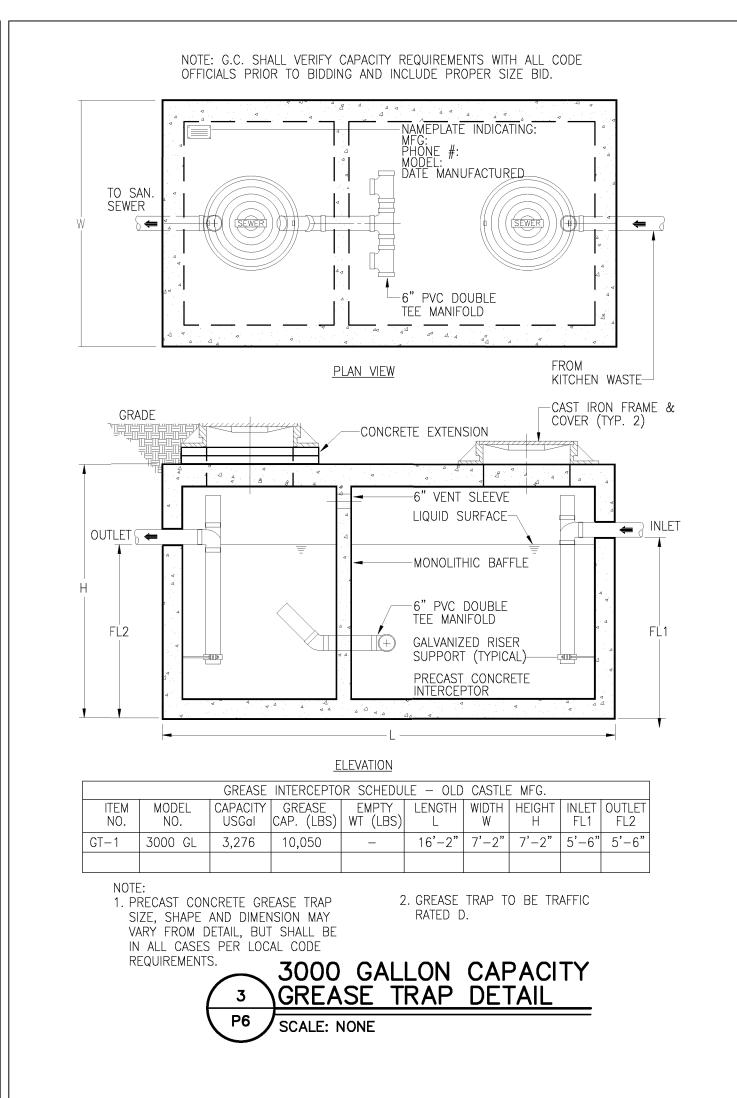


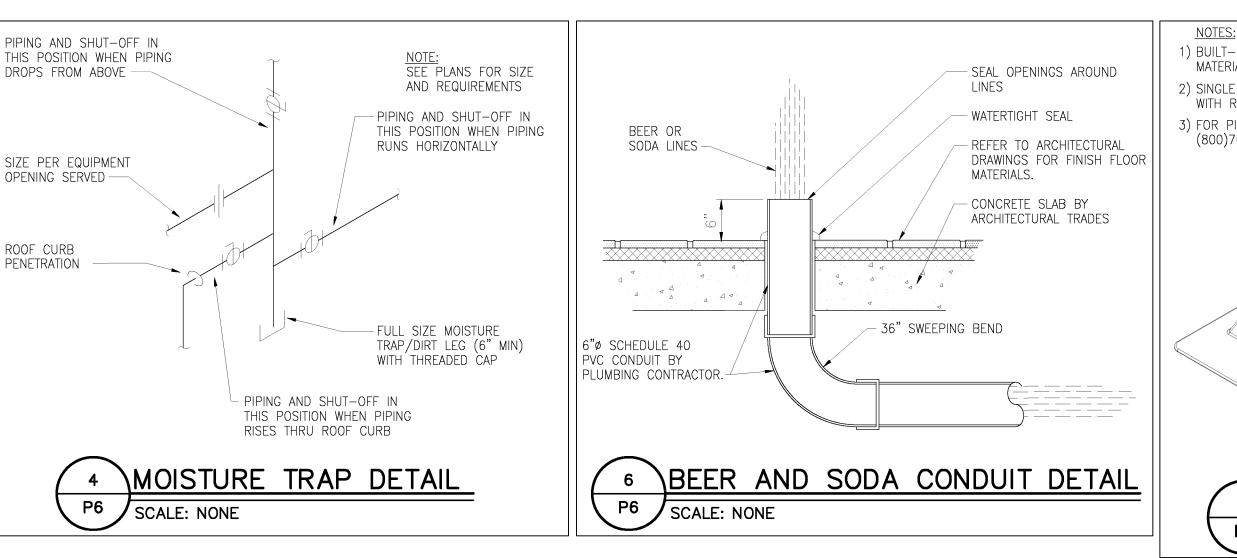
- 2. USE 24" T&G R.C.P. FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STANDARD RING AND M.H. COVER REQUIRED)
- 3. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
- 4. LAWN INSTALLATION MUST BE 4" ABOVE FINISHED

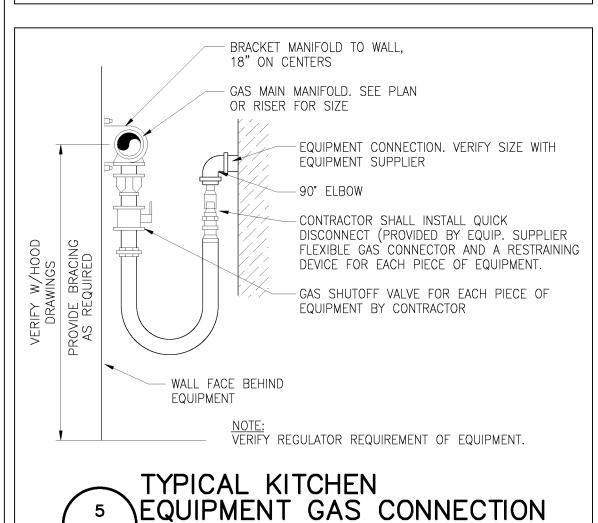
GRADE.

- 5. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE.
- 6. CONCRETE SHALL BE CLASS 1 WITH A DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT SHALL BE OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
- 7. CAST IRON FRAMES AND GRATES SHALL BE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30, HEAVY DUTY AASHTO H-20.



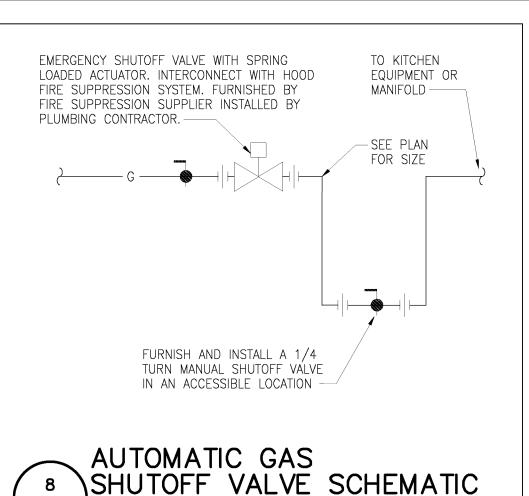






P6

SCALE: NONE



SCALE: NONE

1) BUILT-UP ROOF SET PIPE STAND IN MASTIC BASE COMPATIBLE WITH ROOFING MATERIAL. COORDINATE MATERIAL WITH ROOFING CONTRACTOR. SINGLE PLY ROOF—SET ON 12"X12" MIN. SHEET OF SINGLE PLY MATERIAL COMPATIBLE WITH ROOF IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 3) FOR PILLOW BLOCK PIPE STAND INFORMATION, CONTACT MIRO INDUSTRIES (800)768-6978. PILLOW BLOCK MODEL 3-RAH-7 ROOFING PIPE SUPPORT ABOVE ROOF DECK FOR 3" AND SMALLER. MODEL 4-RAH-1 ROOFING PIPE SUPPORT ABOVE ROOF DECK FOR 4" PIPE.

ROOFTOP GAS \PIPING SUPPORT DETAIL P6 SCALE: NONE

WATER HEATING SOLUTION NATIONAL ACCOUNT

THE TANK SYSTEM SPECIFIED SHALL BE PURCHASED THROUGH FRG/NORTIZ NATIONAL ACCOUNTS BY OWNER. THE SUCCESSFUL CONTRACTOR SHALL CONTACT FRG/NORITZ NATIONAL ACCOUNTS FOR DELIVERY INFORMATION, CONTACT BEN WIRICK @ (877) 554-0004 OR (616) 406-0004, FAX (616) 406-0050 EMAIL: BWIRICK@WEBFRG.COM

1430 W. Peachtree St., Suite 200

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Atlanta, GA 30309

ISSUE/REVISION RECORD

DESCRIPTION

09/12/16 COORDINATION SET 09/30/16 BID SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

PROJECT MANAGER S. HITECHEW **QUALITY CONTROL** E. WOLF DRAWN BY

S. HITECHEW

PROJECT NAME

TEXAS ROADHOUSE

HOWELL NEW JERSEY

ROUTE 9 & **LANES MILL ROAD**



PROJECT NUMBER 20150263.0

SHEET TITLE **PLUMBING DETAILS**

SHEET NUMBER