

SITE IMPROVEMENT PLANS

FOR

LAZY DOG RESTAURANT

VILLAGE ON THE PARKWAY

5100 BELT LINE ROAD SUITE 500

ADDISON, TX 75254

Dave's Truck



LOCATION MAP
SCALE 1"=200'

SURVEY BENCHMARK

SURVEY PREPARED BY:
ROOMES LAND SURVEYING, INC.
2000 AVENUE G SUITE 810
PLANO, TX 75074
PI 972.423.4272
FI 972.423.7523
WWW.ROOMESURVEYING.COM
SURVEY DATE: JULY 15, 2014
JOB NO. AC113053

- ALL ELEVATIONS ARE BASED ON CITY OF ADDISON SURVEY CONTROL MONUMENT NO. 5, HAVING AN ELEVATION OF 630.10 FEET ABOVE MEAN SEA LEVEL (NAVD 88).
- ALL EASEMENTS ARE BASED ON THE AMENDED REPLAT OF LOT 1A, LOT 1B, & LOT 2A OF VILLAGE ON THE PARKWAY, AN ADDITION TO THE CITY OF ADDISON, TEXAS, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 2001019, PAGE 914 OF THE MAP RECORDS OF DALLAS COUNTY, TEXAS.

OWNER

LAZY DOG RESTAURANTS
CONTACT: MR. DEWAYNE MITCHELL
7777 CENTER AVENUE SUITE 500
HUNTINGTON BEACH, CA 92647
PI 714.596.9960
WWW.LAZYDOGRESTAURANTS.COM

ENGINEER

VALLEY CIVIL DESIGN GROUP, LLC
CONTACT: MATTHEW W. LOSER, PE, LEED(R) AP
2267 MORNING MESA
HENDERSON, NV 89052
PI 714.881.4770

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C6.0	TRAFFIC CONTROL PLAN

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

APPROVED BY: *David Stubble*

DATE: *12/17/14*

16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

ADDISON PROJECT #14-08

UNDERGROUND SERVICE ALERT



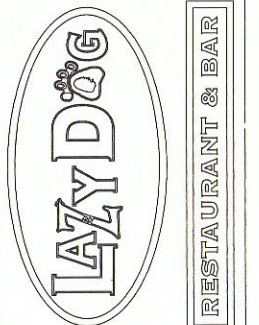
CALL: 811

TWO WORKING DAYS BEFORE YOU DIG

2267 MORNING MESA
HENDERSON, NV 89052
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info@valley-cdg.com
TBPE Firm No. 14469



Revision Schedule		
Rev	Date	Description
	10 DEC 14	PLAN CHECK COMMENTS



PROJECT NAME: LAZY DOG RESTAURANT & BAR
PROJECT ADDRESS: VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254
BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

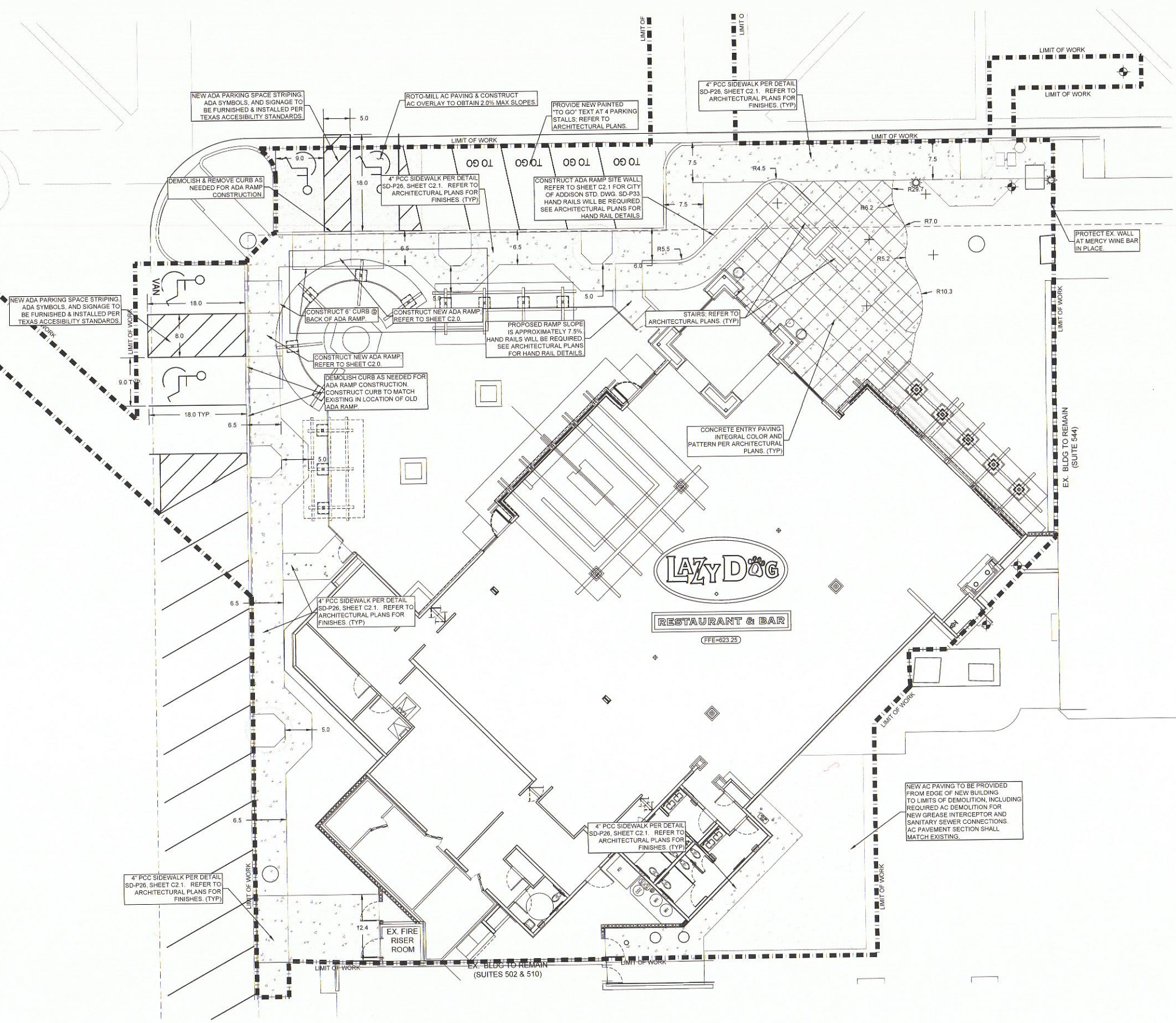
SHEET TITLE:

COVERSHEET

SHEET NUMBER:

C0.0

FILE: 008 SITE PLANDWG
 PLOTTED: Thursday, January 23, 2014



SITE PLAN NOTES

1. CONTRACTOR SHALL BID AND PERFORM ALL WORK SHOWN ON THIS PLAN THAT MAY FALL OUTSIDE THE LIMIT OF WORK/DISTURBANCE LINE. **NO CHANGE ORDERS WILL BE ACCEPTED OR APPROVED FOR FAILURE TO INCLUDE THESE ITEMS.**
2. LOCATE PROPOSED BUILDING BASED UPON EXISTING BUILDING WALLS.
3. ALL PERIMETER SIDEWALK IS 6.5 FEET FROM FACE OF CURB TO BACK OF SIDEWALK, WITH EXCEPTION OF THE TREE WELL LOCATIONS, WHERE THE SIDEWALK REDUCES TO 5.0 FEET.
4. ALL SIDEWALK DUTY CONCRETE SHALL BE A MINIMUM 4 INCHES THICK AND CONFORM TO CITY OF ADDISON STANDARD DRAWING SD-P26; REFER TO SHEET C2.1. COLOR AND FINISH OF CONCRETE PER ARCHITECTURAL PLANS.
5. ALL LANDSCAPED AREAS SHALL BE GRADED TO DRAIN AWAY FROM THE BUILDING AND FOUNDATION.
6. PROTECT EXISTING CURBS IN PLACE AT PROJECT PERIMETER. CURB SHALL BE RECONSTRUCTED TO MATCH EXISTING FOR UTILITY INSTALLATION OR IF ACCIDENTALLY DAMAGED DURING CONSTRUCTION, AT CONTRACTOR'S EXPENSE.
7. REPAIR ANY ASPHALT PAVING DEMOLISHED AS A RESULT OF UTILITY INSTALLATION AT THE BACK OF BUILDING. ASPHALT PAVING SHALL MATCH EXISTING.
8. GENERAL CONTRACTOR TO PROTECT ALL EXISTING CONSTRUCTION, INCLUDING ADJACENT BUILDINGS AND RELATED STRUCTURES (ABOVE OR UNDERGROUND), SIDEWALK AND PARKING LOT PAVING, STRIPING, LANDSCAPING, SITE LIGHTING, AND IRRIGATION IN PLACE. ANY DAMAGED AREAS OR ITEMS MUST BE REPAIRED AND RETURNED TO PREVIOUS CONDITION AT THE CONTRACTOR'S OWN EXPENSE.

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

APPROVED BY: *[Signature]*

DATE: 12/17/14

16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

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SITE PLAN LEGEND

- LIMIT OF WORK / DISTURBANCE
- SIDEWALK DUTY CONCRETE
- ROTO MILL & ASPHALT OVERLAY
- ASPHALT PAVING (MATCH EX. PAVING SECTION)

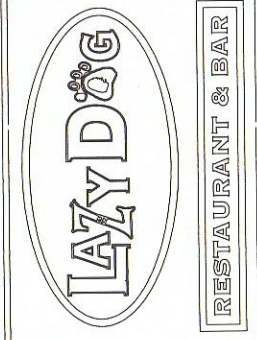


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12/10/14

Revision Schedule		
Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



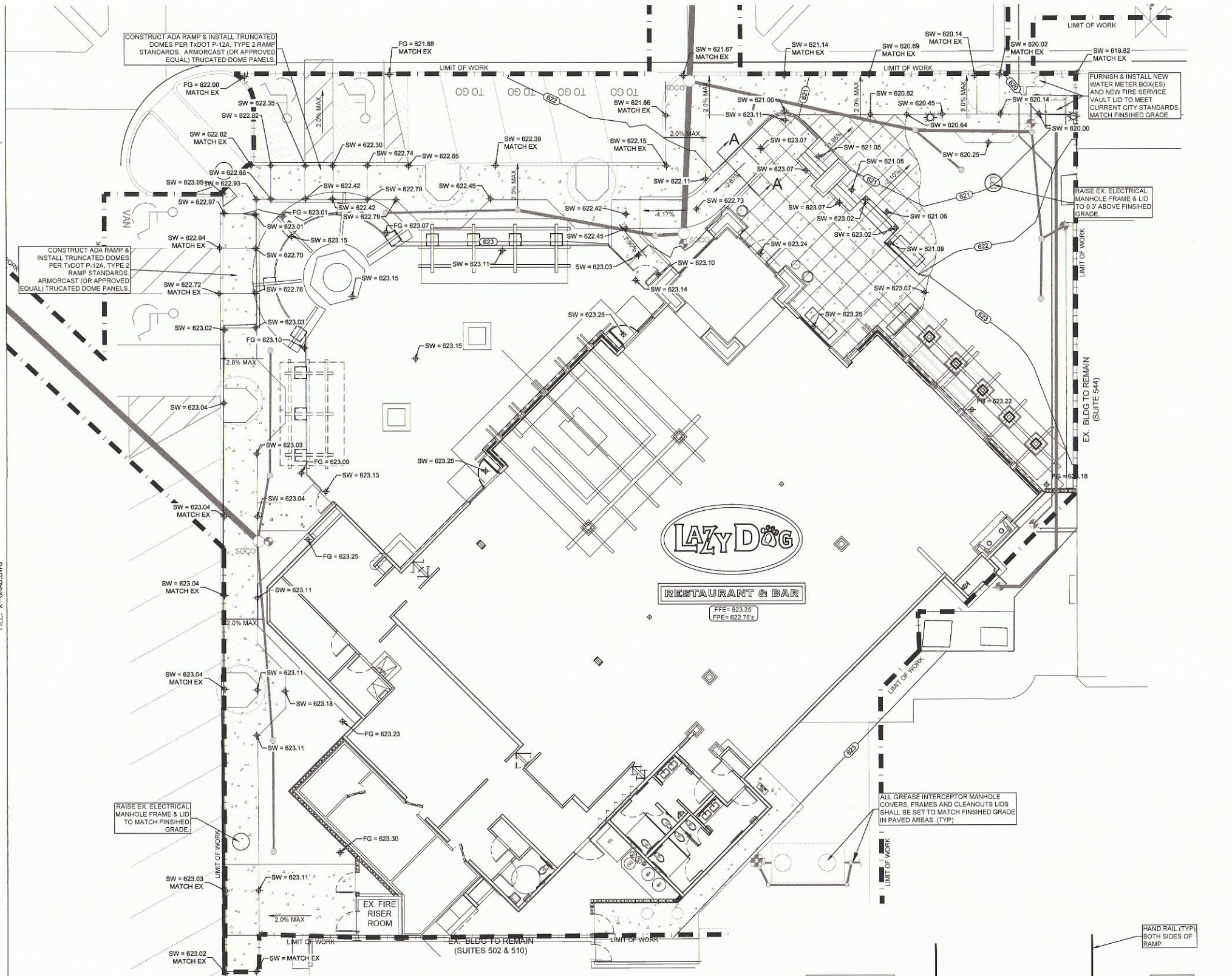
PROJECT NAME: **LAZY DOG RESTAURANT & BAR**
 PROJECT ADDRESS:
 VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
C1.0

FILE: X-GRAD.DWG

PLOTTED: Thursday, January 23, 2014



GRADING NOTES

REFERENCE:
 GEOTECHNICAL EXPLORATION ON LAZY DOG RESTAURANT & BAR
 5100 BELT LINE ROAD
 ADDISON, TEXAS
 PREPARED BY:
 ALPHA TESTING, INC.
 2209 WISCONSIN STREET SUITE 100
 DALLAS, TEXAS 7529
 DATED: JUNE 30, 2014
 PROJECT NO. G141118

- BUILDING PAD PREPARATION:**
- AFTER COMPLETION OF THE NECESSARY STRIPING, CLEARING AND EXCAVATING AND PRIOR TO PLACING ANY REQUIRED FILL, THE EXPOSED SUBGRADE SHALL BE CAREFULLY EVALUATED BY PROBING AND TESTING. ANY UNDESIRABLE MATERIAL (ORGANIC MATERIAL, WET, SOFT, OR LOOSE SOIL) STILL IN PLACE SHALL BE REMOVED.
 - THE EXPOSED SOIL SUBGRADE SHALL BE FURTHER EVALUATED BY PROOF-ROLLING WITH A HEAVY PNEUMATIC TIRE ROLLER, LOADED DUMP TRUCK OR SIMILAR EQUIPMENT WEIGHING APPROXIMATELY 10 TONS TO CHECK FOR POCKETS OF SOFT OR LOOSE MATERIAL HIDDEN BENEATH A THIN CRUST OF BETTER SOILS.
 - PROOF-ROLLING PROCEDURES SHALL BE OBSERVED ROUTINELY BY A PROFESSIONAL ENGINEER OR HIS DESIGNATED REPRESENTATIVE.
 - ANY UNDESIRABLE MATERIAL (ORGANIC MATERIAL, WET, SOFT, OR LOOSE SOIL) EXPOSED DURING THE PROOF-ROLL SHALL BE REMOVED AND REPLACED WITH WELL-COMPACTED MATERIAL AS OUTLINED IN THE GEOTECHNICAL INVESTIGATION.
 - PRIOR TO PLACEMENT OF ANY FILL, THE EXPOSED SUBGRADE SHALL THEN BE SCARIFIED TO A MINIMUM DEPTH OF 6-INCHES AND RECOMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D 698.

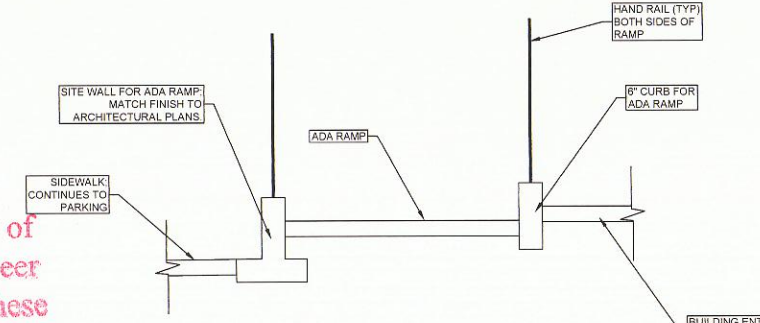
- FILL COMPACTION REQUIREMENTS:**
- ANY IMPORT MATERIAL OR PROPOSED FILL SHALL BE EVALUATED IN-SITU AT THE SOURCE, BY THE GEOTECHNICAL ENGINEER OF RECORD, FOR THE PROJECT PRIOR TO THE MATERIAL BEING BROUGHT TO THE SITE. CONTRACTOR SHALL COORDINATE ANY REQUIRED TESTING WITH THE GEOTECHNICAL ENGINEER.
 - FILL MATERIALS SHALL BE SELECT, NON-EXPANSIVE MATERIAL WITH A LIQUID LIMIT LESS THAN 35, A PLASTICITY INDEX (PI) NOT LESS THAN 4 NOR GREATER THAN 15 AND SHALL NOT CONTAIN MORE THAN 0.5 PERCENT FIBROUS ORGANIC MATERIALS BY WEIGHT.
 - ALL SELECT MATERIAL SHALL NOT CONTAIN DELETERIOUS MATERIALS AND SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASTM D 698 AND WITHIN 1 PERCENTAGE POINT BELOW TO 3 PERCENTAGE POINTS ABOVE THE MATERIAL'S OPTIMUM MOISTURE CONTENT.
 - COMPACTION SHALL BE ACCOMPLISHED BY PLACING FILL IN APPROXIMATELY 8-INCH THICK, LOOSE LIFTS AND COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY.
 - FIELD DENSITY AND MOISTURE CONTENT TESTS SHALL BE PERFORMED ON EACH LIFT. A MINIMUM OF ONE TEST PER 5,000 SF PER LIFT IS REQUIRED IN BUILDING AREAS.
 - UTILITY TRENCH BACKFILL SHALL BE TESTED AT A RATE OF ONE TEST PER EACH 300 LINEAR FEET OF TRENCH.
 - IN CASES WHERE MASS FILLS OR UTILITY LINES ARE MORE THAN 10 FEET DEEP, THE FILL/BACKFILL BELOW 10 FEET SHALL BE COMPACTED TO AT LEAST 100% MAXIMUM DRY DENSITY PER ASTM D 698 AND WITHIN 2 PERCENTAGE POINTS OF THE MATERIAL'S OPTIMUM MOISTURE CONTENT. THE PORTION SHALLOWER THAN 10 FEET MAY BE COMPACTED PER 95% MAXIMUM DRY DENSITY OUTLINED IN THE NOTES ABOVE.
 - SUBMITTALS: CONTRACTOR SHALL PROVIDE COPIES OF THE GEOTECHNICAL TESTING REPORTS FOR ALL PAD PREPARATION, PAVING, AND UTILITY TRENCH WORK. SUBMITTALS SHALL GO TO: LAZY DOG'S PROJECT MANAGER, VOP'S PROJECT MANAGER, AND THE PROJECT ARCHITECT/ENGINEER.

ACCESSIBILITY NOTES

- COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (2009 EDITION) FOR ALL SITE IMPROVEMENTS.
- CURB RAMPS, DETECTABLE WARNING SURFACES, AND ACCESSIBILITY FOR THE PROJECT SITE SHALL CONFORM TO TEXAS ACCESSIBILITY STANDARDS (TAS).
- MAXIMUM CROSS SLOPE ON WALKWAYS SHALL BE 1.5%.
- NO CHANGES IN LEVEL GREATER THAN 1/2" SHALL BE ALLOWED WITHOUT A CURB RAMP. CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.
- CATCH BASIN AND DRAIN INLET GRATES SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN ONE DIRECTION. IF GRATINGS HAVE ELONGATED OPENINGS, THEY SHALL BE PLACED SO THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.
- CURB RAMPS SHALL BE REQUIRED WHENEVER ACCESSIBLE ACCESS ROUTES CROSS A CURB.
- ACCESSIBLE RAMPS AND HANDRAILS SHALL BE REQUIRED WHENEVER SLOPE EXCEEDS 5.0%. MAXIMUM SLOPE SHALL BE 8.33% WITH LEVEL LANDINGS INSTALLED AT TOP AND BOTTOM OF EACH RUN EQUAL TO THE WIDTH OF THE RAMP, 60"X80" MINIMUM, AND INTERMEDIATE LANDINGS AT INTERVALS NOT TO EXCEED 30' OF VERTICAL RISE. BOTTOM LANDINGS AND INTERMEDIATE LANDINGS WITH DIRECTION CHANGES IN EXCESS OF 30 DEGREES SHALL BE MINIMUM 72" IN THE DIRECTION OF TRAVEL. RAMPS AND LANDINGS WITH VERTICAL SIDE DROP-OFF SHALL HAVE WALLS, RAILINGS, PROTECTIVE SURFACES OR MINIMUM 2" HIGH CURBS.
- ALL STAIRS SHALL HAVE A 2" WIDE SLIP RESISTANT, CONTRASTING COLOR STRIPE AND DETECTABLE WARNING, 1" MAXIMUM FROM NOSING ON ALL TREADS.
- ALL PAVEMENT CROSS SLOPES (SLOPES PERPENDICULAR TO THE DIRECTION OF TRAVEL) SHALL BE A MAXIMUM OF 1.5%. ALL RAMPS SHALL HAVE A MAXIMUM SLOPE OF 8.33%. ALL LANDINGS AT STAIRS AND RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1.5% (BOTH DIRECTIONS). ALL WALKWAYS SHALL HAVE A MAXIMUM SLOPE LESS THAN 5.0% IN THE DIRECTION OF TRAVEL. ALL MAXIMUM SLOPES ARE ABSOLUTE AND SUPERSEDE CONSTRUCTION TOLERANCES STATED IN THE PROJECT SPECIFICATIONS OR ELSEWHERE. THE CONTRACTOR HAS THE OPTION OF ADJUSTING GRADES TO ALLOW FOR CONSTRUCTION TOLERANCE BUT SHALL NOT ADJUST GRADES TO LESS THAN 1% SLOPES OR GREATER THAN 1.5%. THE CONTRACTOR SHALL CONTACT THE ARCHITECT REGARDING ANY GRADE REVISIONS PRIOR TO CONSTRUCTION OF PAVEMENT AREAS. THE PAVEMENT SLOPES WILL BE REVIEWED AFTER CONSTRUCTION AND PAVEMENT OVER THE MAXIMUM SLOPES SPECIFIED ABOVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- REFER TO ADDISON STANDARD DRAWINGS SD-P37 FOR ADDITIONAL NOTES ASSOCIATED WITH PEDESTRIAN FACILITIES.

GRADING LEGEND

- (660) PROPOSED CONTOURS
- SW= XXX.XX SPOT ELEVATION (FT)
- SW= XXX.XX ADA SPOT ELEVATION (FT)
- PROPOSED CONCRETE SIDEWALK
- LIMIT OF WORK / DISTURBANCE
- MATCH EX MATCH EXISTING



SECTION A-A NTS

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

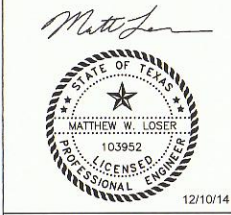
APPROVED BY: *[Signature]*

DATE: 12/17/14

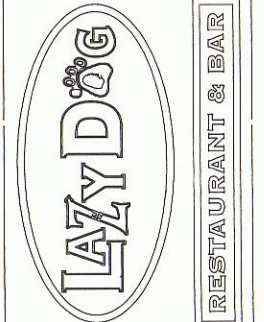
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Revision Schedule		
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	10 DEC 14	PLAN CHECK COMMENTS



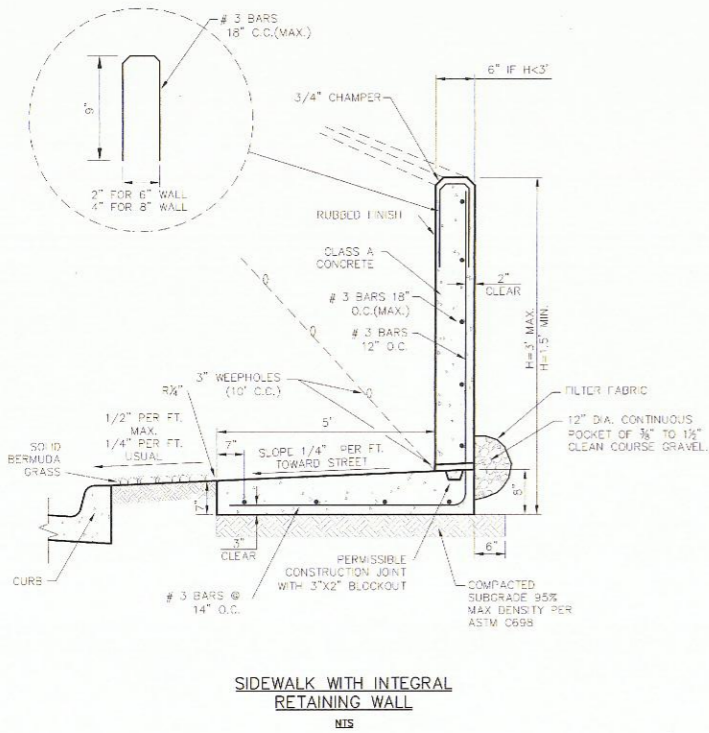
PROJECT NAME: LAZY DOG RESTAURANT & BAR
 PROJECT ADDRESS: VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004
 ISSUE DATE: 10-22-2014

SHEET TITLE: GRADING PLAN

SHEET NUMBER:

C2.0

NOTE:
PROVIDE VERTICAL EXPANSION IN WALL
AT 25' MAX. SPACING.



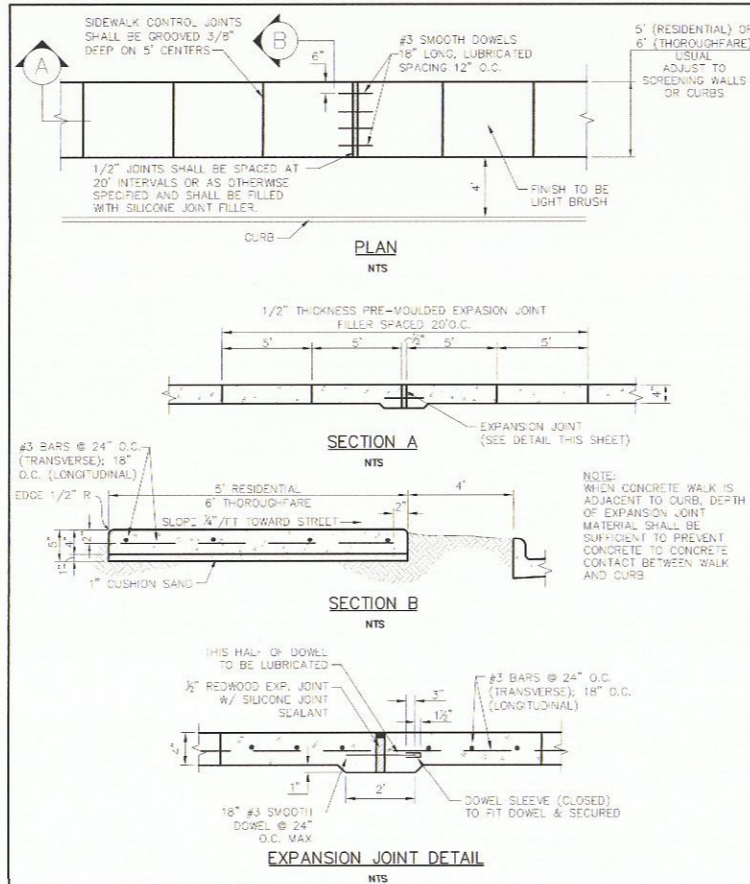
SIDEWALK WITH INTEGRAL
RETAINING WALL
NTS

Addison!
PUBLIC WORKS DEPARTMENT

SIDEWALK WITH INTEGRAL
RETAINING WALL

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST 1, 2010 REV. DATE: SHEET: SD-P33



EXPANSION JOINT DETAIL
NTS

Addison!
PUBLIC WORKS DEPARTMENT

CONCRETE SIDEWALK

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST 1, 2010 REV. DATE: SHEET: SD-P26

GENERAL NOTES FOR PEDESTRIAN FACILITIES

1. ALL SLOPES ARE MAXIMUM ALLOWABLE. THE LEAST POSSIBLE SLOPE THAT WILL STILL DRAIN PROPERLY SHOULD BE USED. ADJUST CURB RAMP LENGTH OR GRADE OF APPROACH SIDEWALKS AS DIRECTED.
2. LANDINGS SHALL BE 5'x5' MINIMUM WITH A MAXIMUM 2% SLOPE IN ANY DIRECTION.
3. MANEUVERING SPACE AT THE BOTTOM OF CURB RAMP SHALL BE A MINIMUM OF 4'x4' WHOLLY CONTAINED WITHIN THE CROSSWALK AND WHOLLY OUTSIDE THE PARALLEL VEHICULAR TRAVEL PATH.
4. MAXIMUM ALLOWABLE CROSS SLOPE ON SIDEWALK AND CURB RAMP SURFACES IS 2%.
5. CURB RAMP WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. EITHER BECAUSE THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR BECAUSE THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED. OTHERWISE, PROVIDE FLARED SIDES.
6. ADDITIONAL INFORMATION ON CURB RAMP LOCATION, DESIGN, LIGHT REFLECTIVE VALUE AND TEXTURE MAY BE FOUND IN THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS) AND 16 TAC §68.102.
7. CURB RAMP SHALL BE ALIGNED WITH THEORETICAL CROSSWALKS, OR AS DIRECTED BY THE TOWN ENGINEER.
8. HANDRAILS ARE NOT REQUIRED ON CURB RAMP. PROVIDE CURB RAMP WHEREVER ON ACCESSIBLE ROUTE CROSSES (PENETRATES) A CURB.
9. FLARE SLOPE SHALL NOT EXCEED 10% MEASURED ALONG CURB LINE.
10. BARRIER FREE RAMP SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT EDITION OF THE TEXAS ACCESSIBILITY STANDARDS (TAS).
11. ALL BARRIER FREE RAMP MUST PASS AN INDEPENDENT INSPECTION. A LETTER OF COMPLIANCE ACCEPTANCE IS REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE TOWN OF ADDISON.
12. STREETS ON STEEP GRADE WILL REQUIRE LONGER TRANSITION ON UPGRADE SIDE.
13. MAXIMUM SLOPE ON RAMP PORTION SHALL NOT EXCEED 1" PER FOOT AT ANY LOCATION. VERTICAL DISTANCE BETWEEN STREET AND RAMP SHALL NOT EXCEED 4".

GENERAL NOTES FOR DETECTABLE WARNINGS

1. CURB RAMP MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSIST OF RAISED TRUNCATED DOMES COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH THE ADJOINING SURFACES, INCLUDING SIDE FLARES. FURNISH DARK RED COLORED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE AND CREAM COLORED DETECTABLE WARNING SURFACE ADJACENT TO DARK RED COLORED BRICK PAVERS.
2. DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
3. ALIGN TRUNCATED DOMES IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
4. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL, AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
5. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MINIMUM OF 6" AND A MAXIMUM OF 8" FROM THE EXTENSION OF THE FACE OF CURB AND SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.

GENERAL NOTES FOR DETECTABLE WARNING PAVER UNITS

1. DETECTABLE WARNING PAVER UNITS SHALL MEET OR EXCEED ALL REQUIREMENTS OF ASTM C-936, C-33, AND BE LAID IN A TWO BY TWO UNIT BASKET WEAVE PATTERN OR AS DIRECTED.
2. LAY FULL-SIZE UNITS FIRST FOLLOWED BY CLOSURE UNITS CONSISTING OF AT LEAST 25 PERCENT OF A FULL UNIT. CUT DETECTABLE WARNING PAVER UNITS USING A POWER SAW.

Addison!
PUBLIC WORKS DEPARTMENT

PEDESTRIAN FACILITIES
GENERAL NOTES

STANDARD CONSTRUCTION DETAILS
PAVING

DATE: AUGUST, 2010 REV. DATE: SHEET: SD-P37

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TBPE Firm No. 14469



Matthew Loser



12/10/14

Revision Schedule

Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254

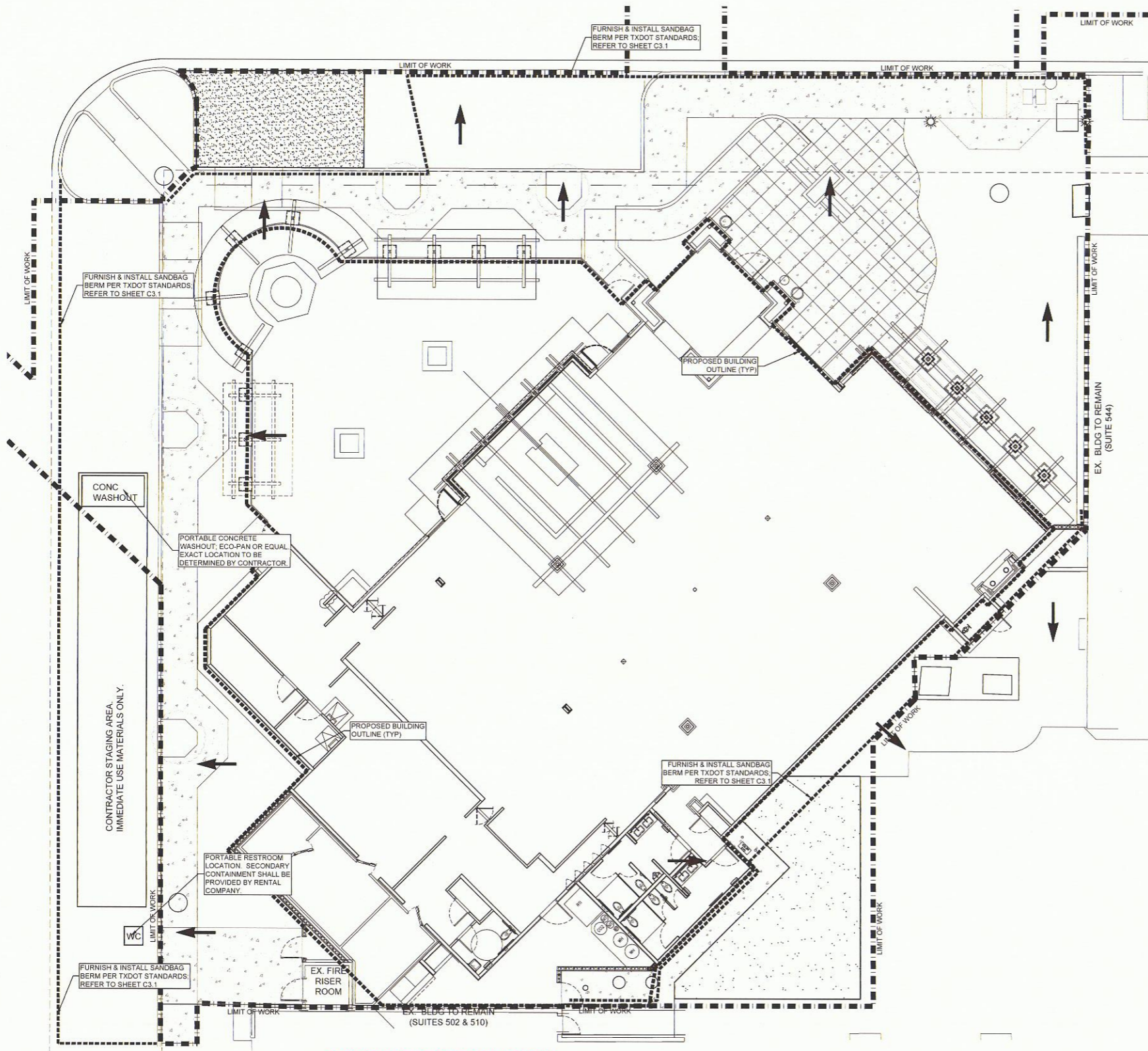
BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT #: C-LDR-004
ISSUE DATE: 10-22-2014

SHEET TITLE:
**GRADING
DETAILS**

SHEET NUMBER:
C2.1

FILE: 004 EROSION CONTROL.DWG

PLOTTER: Thursday, January 23, 2014



APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

APPROVED BY: *David E. White*

DATE: 12/17/14

16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

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EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL OBTAIN, READ, UNDERSTAND, AND IMPLEMENT ALL PORTIONS OF THE "VILLAGE ON THE PARKWAY" STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A QUALIFIED INSPECTOR TO DO SWPPP INSPECTIONS IN ACCORDANCE WITH THE SWPPP.
3. THE CONTRACTOR SHALL PREVENT OFF-SITE TRACKING OF SOILS THROUGHOUT THE VILLAGE ON THE PARKWAY MALL. RUMBLE PLATES AND STREET SWEEPING WILL BE REQUIRED DURING ACTIVITIES THAT DISTURB SOILS OR HAVE THE POTENTIAL TO TRACK SOILS INTO DRIVEWAYS, ETC. COORDINATE LOCATION OF RUMBLE PLATES AND/OR CONSTRUCTION ENTRANCE/EXIT WITH OWNER'S PROJECT MANAGER.
4. THE CONTRACTOR IS RESPONSIBLE FOR TRAINING SUBCONTRACTORS IN REGARD TO STORMWATER POLLUTION PREVENTION AS NEW SUBCONTRACTORS MOBILIZE ON SITE. TRAINING SHALL BE RECORDED IN THE SWPPP.
5. PRIOR TO THE START OF DEMOLITION, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL PERIMETER CONTROLS AND CONSTRUCTION ENTRANCE PER THE PLANS.
6. THE CONTRACTOR SHALL INSTALL PROTECTION AROUND ANY EXISTING INLETS WITHIN THE PUBLIC RIGHT-OF-WAY.
7. THE CONTRACTOR SHALL PROVIDE APPROPRIATE MEANS TO DIRECT NATURAL DRAINAGE AROUND WORK AREAS, AND TO PREVENT OFF-SITE RUN-ON THROUGH THE CONSTRUCTION AREA.
8. THE CONTRACTOR SHALL STORE ADEQUATE SEDIMENT CONTROL MATERIALS ONSITE TO CONTROL DISCHARGES AT THE DOWNGRADE PERIMETER AND OPERATIONAL INLETS IN THE EVENT OF A PREDICTED STORM.
9. EQUIPMENT AND WORKERS SHALL BE AVAILABLE FOR EMERGENCY WORK AT ALL TIMES. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ONSITE AT CONVENIENT LOCATIONS TO FACILITATE THE RAPID INSTALLATION/CONSTRUCTION OF TEMPORARY EROSION CONTROL MEASURES WHEN RAIN IS IMMINENT.
10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY STABILIZED WITH HYDROSEEDING, HYDROMULCHING, OR WITH A BIODEGRADABLE BONDED FIBER MATRIX.
11. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION CONTROL MEASURES AS NEEDED OR AS REQUESTED BY A CITY OFFICIAL, THE OWNER'S ENGINEER, AND/OR REGULATORY AGENCY.
12. ALL PRIVATE STORM DRAIN INLETS, WHICH DISCHARGE TO THE PUBLIC STORM DRAIN SYSTEM, SHALL BE INCLUDED IN EROSION & SEDIMENT CONTROL MEASURES. INLET PROTECTION SHALL BE PROVIDED UNTIL CONSTRUCTION IS COMPLETE.

CITY OF ADDISON EROSION CONTROL NOTES

1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TXR 150000 ISSUED AND DATED MARCH 5, 2003 (GENERAL PERMIT).
2. THIS PROJECT TOTALS LESS THAN 1 ACRE IN TOTAL DISTURBANCE; THUS, IT DOES NOT REQUIRE PERMITTING UNDER THE GENERAL PERMIT; HOWEVER, THE CONTRACTOR IS STILL EXPECTED TO FOLLOW THE PROVISIONS OF THE GENERAL PERMIT AND PREVENT ILLICIT DISCHARGES OF STORMWATER FROM THE PROJECT SITE.
3. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA, AND TCEQ.
4. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY 7 CALENDAR DAYS ON A DEFINED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT THE PROJECT.
5. MODIFICATIONS TO THE STORMWATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN PLACE WITHIN A 7 CALENDAR DAY PERIOD.
6. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
7. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO DEMOLITION AND GRADING ACTIVITIES.
8. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND SANDBAG BERMS WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
9. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
10. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING, AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH LANDSCAPING PER THE PROJECT LANDSCAPE PLANS.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS, AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
12. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
13. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON-HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL HAVE LIDS AND SHALL BE CLOSED AT THE END OF EACH WORKING DAY. THE CONTAINERS SHALL BE HAULED TO AN APPROPRIATE LANDFILL BY A COMPANY LICENSED TO DO SO.
14. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

EROSION CONTROL LEGEND

- FLOW ARROW
- - - - - PROPOSED BUILDING OUTLINE
- - - - - LIMIT OF WORK / DISTURBANCE
- - - - - PROPOSED SANDBAG BERM



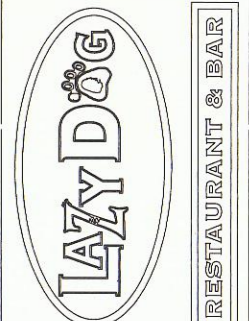
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TBPE Firm No. 14469



Matthew W. Loser



Revision Schedule		
Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME: **LAZY DOG RESTAURANT & BAR**
 PROJECT ADDRESS: **VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254**
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE: **BMP PLAN**
 SHEET NUMBER: **C3.0**

- Sandbags should be stacked in at least three rows abutting each other, and in staggered arrangement.
- The base of the berm should have at least 3 sandbags. These can be reduced to 2 and 1 bag in the second and third rows respectively.
- For each additional 6 inches of height, an additional sandbag must be added to each row width.
- A bypass pump-around system, or similar alternative, should be used in conjunction with the berm for effective dewatering of the work area.

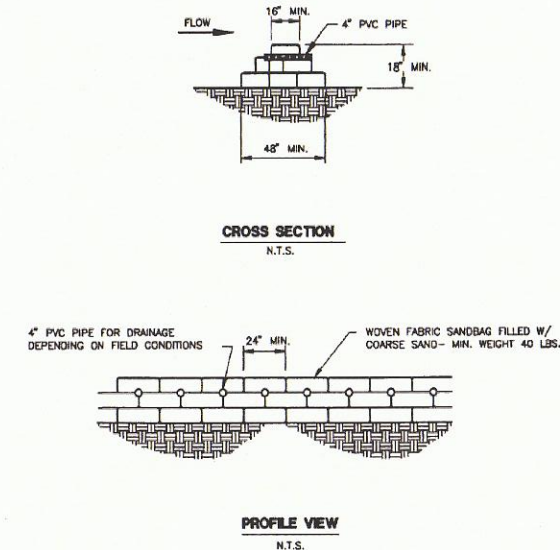
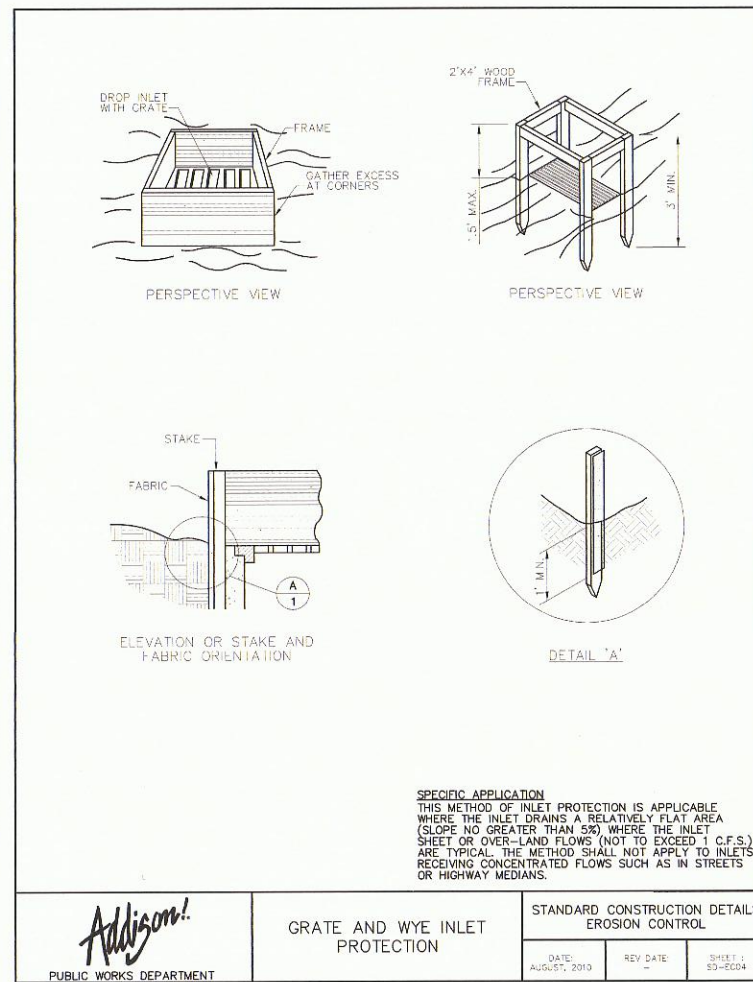


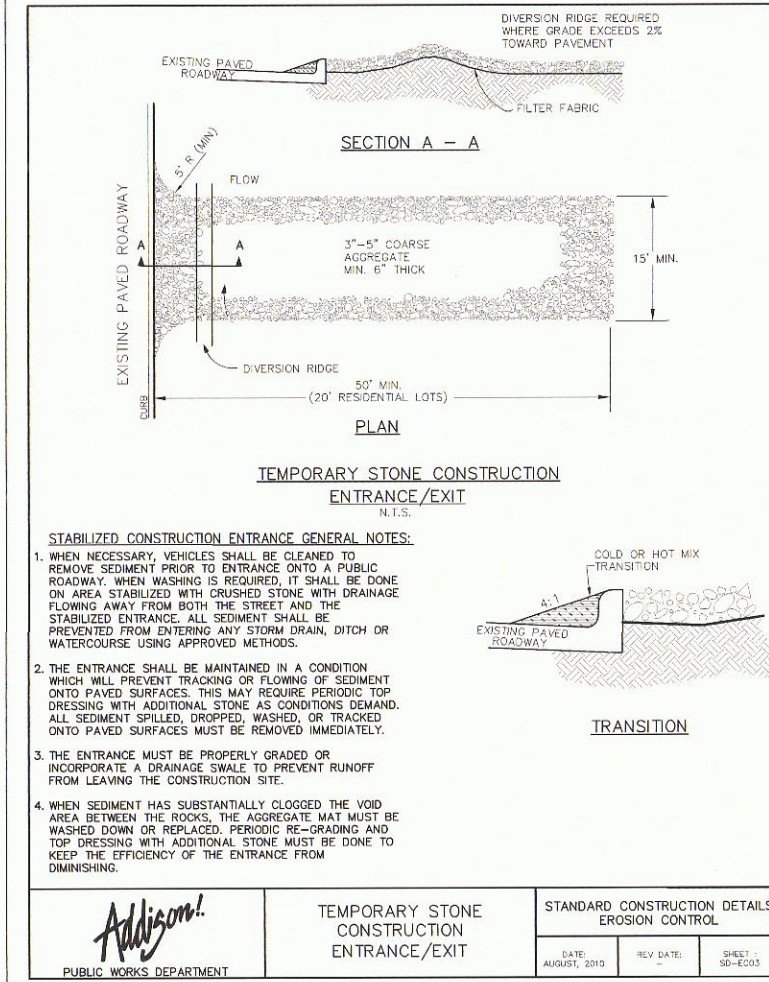
Figure 5.1 - Schematic of a Sandbag Berm (NCTCOG, 1993).



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GRATE AND WYE INLET PROTECTION

STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
DATE: AUGUST, 2010	REV DATE: -	SHEET: 50-EC04



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TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT

STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
DATE: AUGUST, 2010	REV DATE: -	SHEET: 50-EC03

5.1.1 Sandbag Berm

Description: The purpose of a sandbag berm is to detain sediment carried in runoff from disturbed areas. This objective is accomplished by intercepting runoff and causing it to pool behind the sandbag berm. Sediment carried in the runoff is deposited on the upstream side of the sandbag berm due to the reduced flow velocity. Excess runoff volumes are allowed to flow over the top of the sandbag berm. Sandbag berms are used only during construction activities in streambeds when the contributing drainage area is between 5 and 10 acres and the slope is less than 15%, i.e., utility construction in channels, temporary channel crossing for construction equipment, etc. Plastic facing should be installed on the upstream side and the berm should be anchored to the streambed by drilling into the rock and driving in "T" posts or rebar (#5 or #6) spaced appropriately (see Figure 5.1).

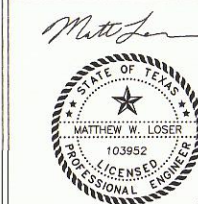
Materials:

- The sandbag material should be polypropylene, polyethylene, polyamide or cotton burlap woven fabric, minimum unit weight 4 oz/yd², mullen burst strength exceeding 300 psi and ultraviolet stability exceeding 70 percent.
- The bag length should be 24 to 30 inches, width should be 16 to 18 inches and thickness should be 6 to 8 inches.
- Sandbags should be filled with coarse grade sand and free from deleterious material. All sand should pass through a No. 10 sieve. The filled bag should have an approximate weight of 40 pounds.
- Outlet pipe should be schedule 40 or stronger polyvinyl chloride (PVC) having a nominal internal diameter of 4 inches.

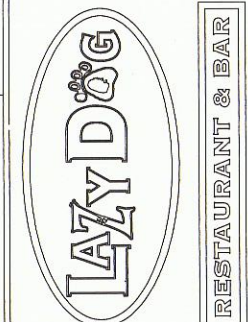
Installation:

- The berm should be a minimum height of 18 inches, measured from the top of the existing ground at the upslope toe to the top of the berm.
- The berm should be sized as shown in the plans but should have a minimum width of 48 inches measured at the bottom of the berm and 16 inches measured at the top of the berm.
- Runoff water should flow over the tops of the sandbags or through 4-inch diameter PVC pipes embedded below the top layer of bags.
- When a sandbag is filled with material, the open end of the sandbag should be stapled or tied with nylon or poly cord.

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Revision Schedule		
Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254

BUILDING DEPT. 2nd SUBMITTAL / BID SET
ISSUE DATE: 10-22-2014
PROJECT #: C-LDR-004

SHEET TITLE:
BMP DETAILS

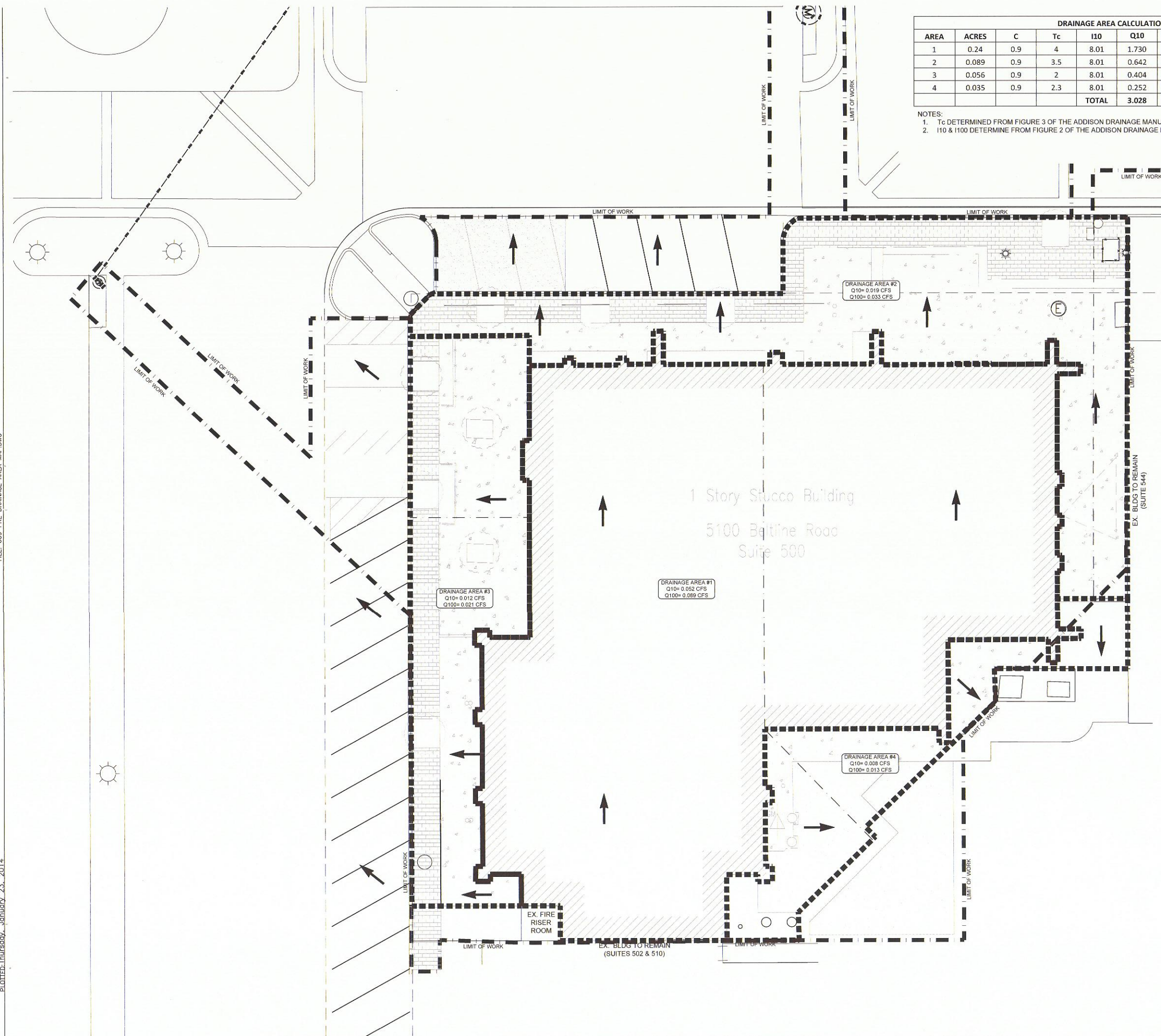
SHEET NUMBER:
C3.1

FILE: 004 EROSION CONTROL.DWG

PLOTTED: Thursday, January 23, 2014

FILE: 009 PRE DRAINAGE AREA MAP.DWG

PLOTTED: Thursday, January 23, 2014



DRAINAGE AREA CALCULATIONS - PRE-CONSTRUCTION CONDITIONS								COMMENTS
AREA	ACRES	C	Tc	I10	Q10	I100	Q100	
1	0.24	0.9	4	8.01	1.730	11.57	2.499	
2	0.089	0.9	3.5	8.01	0.642	11.57	0.927	
3	0.056	0.9	2	8.01	0.404	11.57	0.583	
4	0.035	0.9	2.3	8.01	0.252	11.57	0.364	
				TOTAL	3.028		4.373	

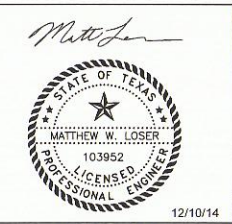
NOTES:
 1. Tc DETERMINED FROM FIGURE 3 OF THE ADDISON DRAINAGE MANUAL.
 2. I10 & I100 DETERMINE FROM FIGURE 2 OF THE ADDISON DRAINAGE MANUAL.

DRAINAGE AREA MAP LEGEND

	EX. BUILDING
	EX. ASPHALT
	EX. CONCRETE
	EX. BRICK PAVERS
	EX. STORM DRAIN
	LIMIT OF WORK / DISTURBANCE
	DRAINAGE AREA BOUNDARY
	HYDRAULIC LENGTH
	FLOW ARROW

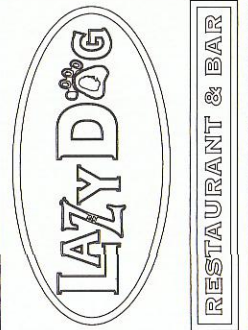


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Revision Schedule

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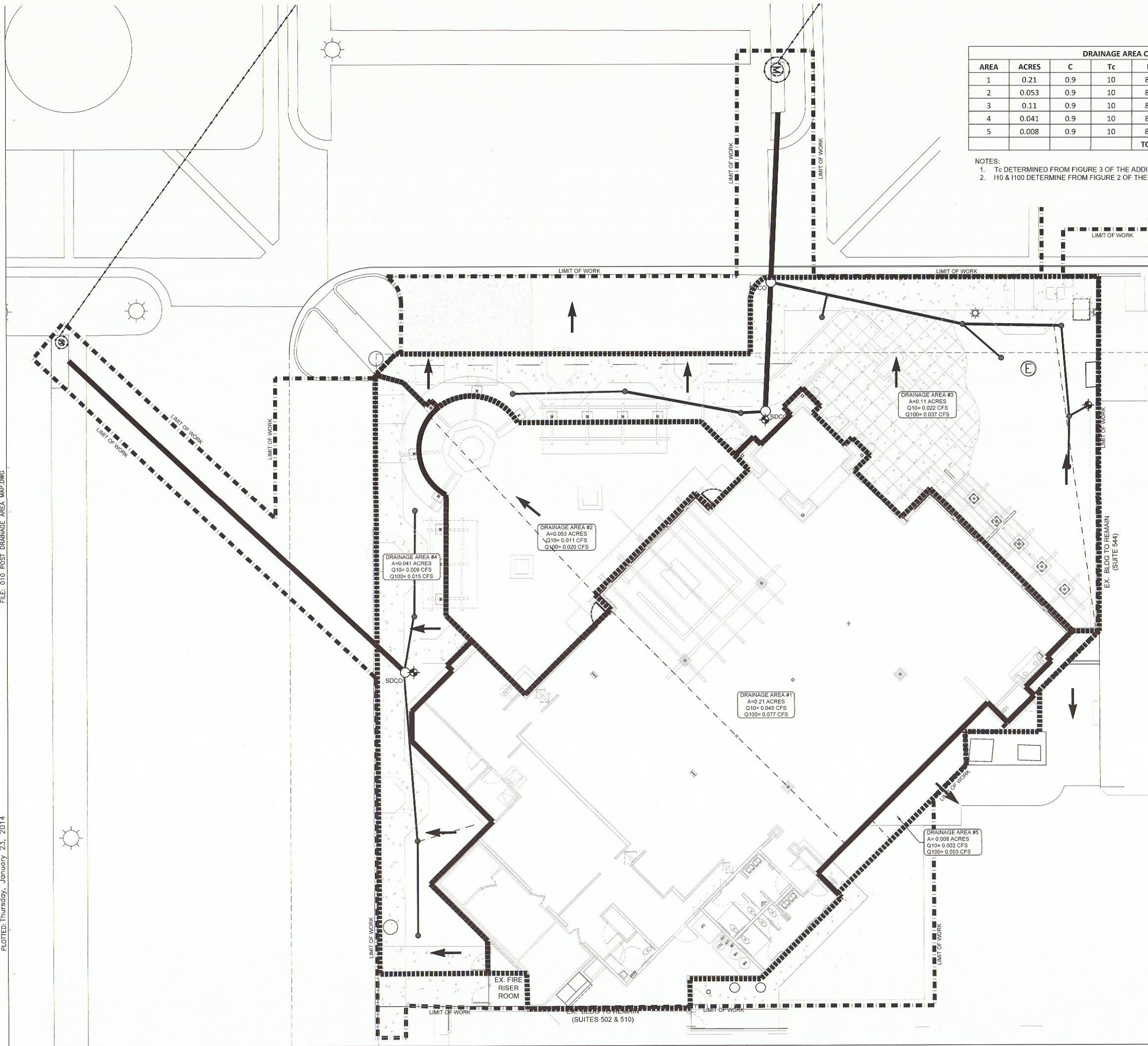


PROJECT NAME: **LAZY DOG RESTAURANT & BAR**
 PROJECT ADDRESS: **VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254**
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE: **EX. DRAINAGE AREA MAP**
 SHEET NUMBER: **C4.0**

FILE: 010 POST DRAINAGE AREA MAP.DWG

PLOTTED: Thursday, January 23, 2014

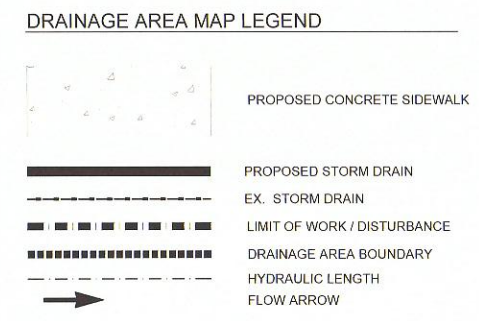


DRAINAGE AREA CALCULATIONS - POST-CONSTRUCTION CONDITIONS								
AREA	ACRES	C	Tc	I10	Q10	I100	Q100	COMMENTS
1	0.21	0.9	10	8.01	1.514	11.57	2.187	
2	0.053	0.9	10	8.01	0.382	11.57	0.552	
3	0.11	0.9	10	8.01	0.793	11.57	1.145	
4	0.041	0.9	10	8.01	0.296	11.57	0.427	
5	0.008	0.9	10	8.01	0.058	11.57	0.083	
				TOTAL	2.985		4.311	

NOTES:
 1. Tc DETERMINED FROM FIGURE 3 OF THE ADDISON DRAINAGE MANUAL.
 2. I10 & I100 DETERMINE FROM FIGURE 2 OF THE ADDISON DRAINAGE MANUAL.

APPROVED FOR CONSTRUCTION
 Town of Addison
 Infrastructure Operations And Services Department
 APPROVED BY: *Paul Wilde*
 DATE: 12/17/14
 16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

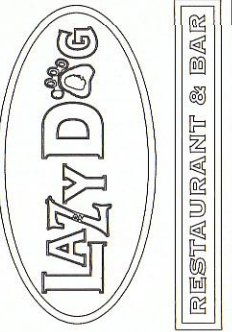


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 VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE:
POST DRAINAGE AREA MAP

SHEET NUMBER:
C4.1

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

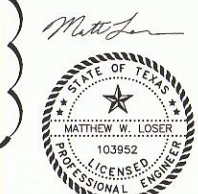
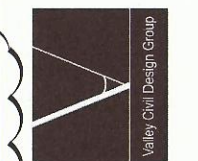
APPROVED BY: *David A. White*

DATE: 12/17/14

16601 Westgrove Dr. Addison, TX 75001 (972)450-2871

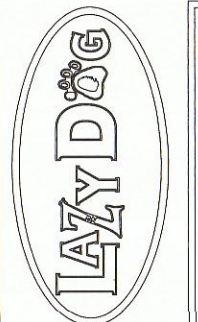
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Revision Schedule

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10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME: **LAZY DOG RESTAURANT & BAR**
 PROJECT ADDRESS: **VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254**
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT # C-LDR-004
 ISSUE DATE: 10-22-2014

SHEET TITLE: **UTILITY PLAN**
 SHEET NUMBER: **C5.0**

FILE: 006 UTILITY PLANDWG

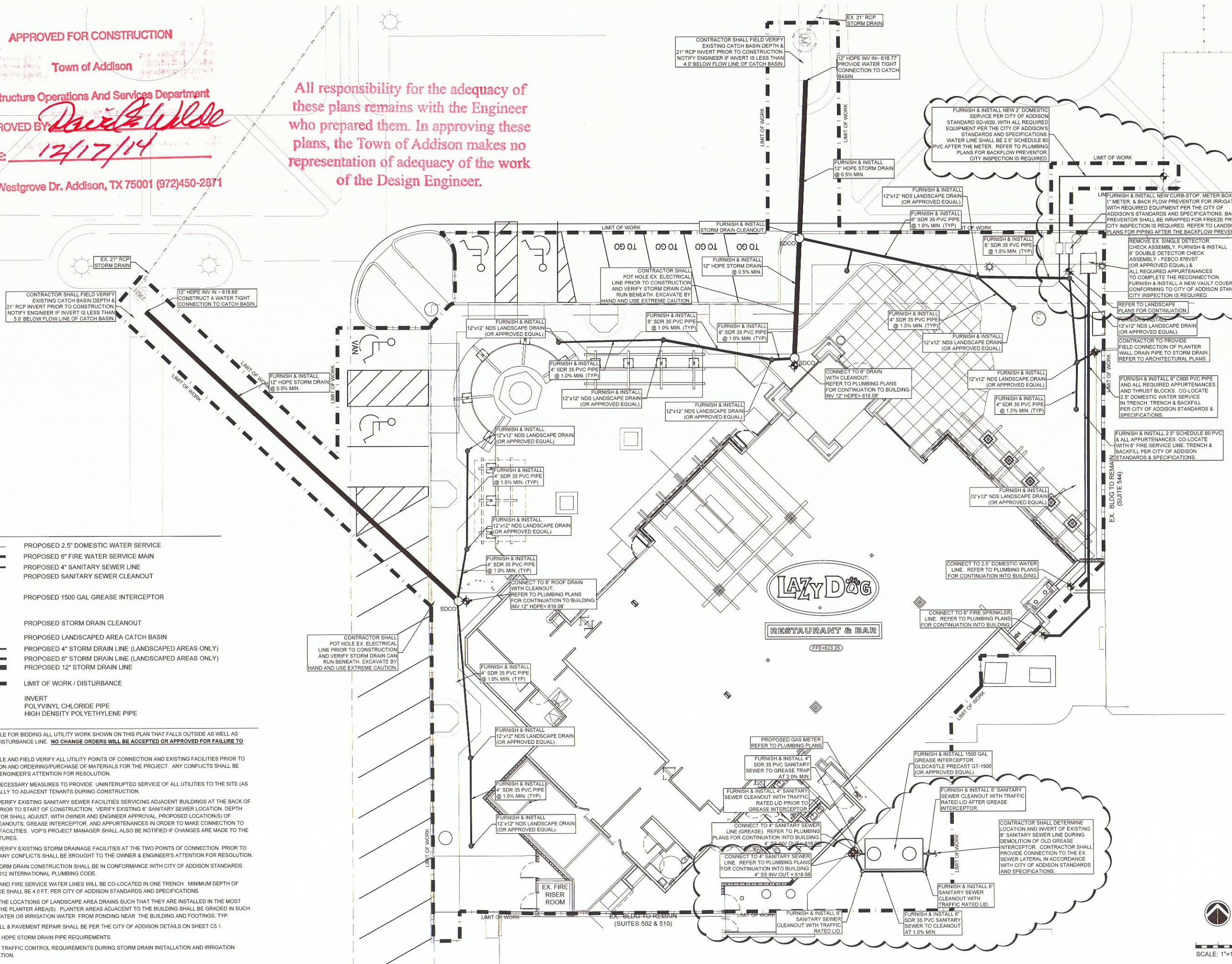
PLOTTED: Thursday, January 23, 2014

UTILITY LEGEND

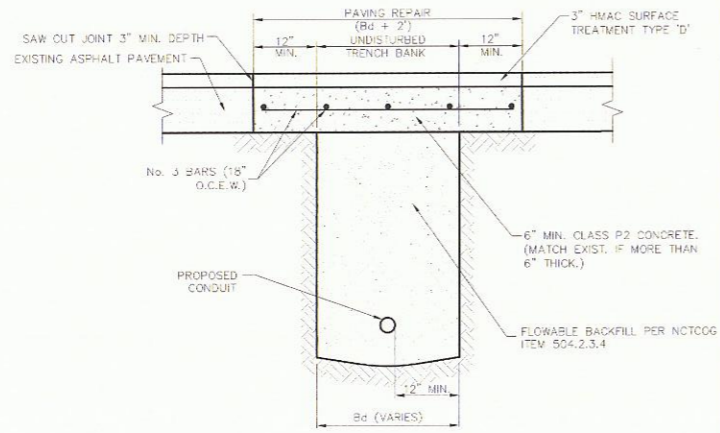
- PROPOSED 2.5" DOMESTIC WATER SERVICE
- PROPOSED 6" FIRE WATER SERVICE MAIN
- PROPOSED 4" SANITARY SEWER LINE
- PROPOSED SANITARY SEWER CLEANOUT
- PROPOSED 1500 GAL GREASE INTERCEPTOR
- PROPOSED STORM DRAIN CLEANOUT
- PROPOSED LANDSCAPED AREA CATCH BASIN
- PROPOSED 4" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
- PROPOSED 6" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
- PROPOSED 12" STORM DRAIN LINE
- LIMIT OF WORK / DISTURBANCE
- INVERT
- PVC
- HDPE

UTILITY NOTES

1. CONTRACTOR IS RESPONSIBLE FOR BIDDING ALL UTILITY WORK SHOWN ON THIS PLAN THAT FALLS OUTSIDE AS WELL AS INSIDE THE LIMIT OF WORK/DISTURBANCE LINE. **NO CHANGE ORDERS WILL BE ACCEPTED OR APPROVED FOR FAILURE TO INCLUDE THESE ITEMS.**
2. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY POINTS OF CONNECTION AND EXISTING FACILITIES PRIOR TO THE START OF CONSTRUCTION AND ORDERING/PURCHASE OF MATERIALS FOR THE PROJECT. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
3. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROVIDE UNINTERRUPTED SERVICE OF ALL UTILITIES TO THE SITE (AS APPROPRIATE) AND ESPECIALLY TO ADJACENT TENANTS DURING CONSTRUCTION.
4. CONTRACTOR SHALL FIELD VERIFY EXISTING SANITARY SEWER FACILITIES SERVICING ADJACENT BUILDINGS AT THE BACK OF BUILDING/SERVICE DRIVE PRIOR TO START OF CONSTRUCTION. VERIFY EXISTING 6" SANITARY SEWER LOCATION, DEPTH AND CONDITION. CONTRACTOR SHALL ADJUST, WITH OWNER AND ENGINEER APPROVAL, PROPOSED LOCATION(S) OF SANITARY SEWER PIPES, CLEANOUTS, GREASE INTERCEPTOR, AND APPURTENANCES IN ORDER TO MAKE CONNECTION TO EXISTING SANITARY SEWER FACILITIES. VOP'S PROJECT MANAGER SHALL ALSO BE NOTIFIED IF CHANGES ARE MADE TO THE LOCATION OF THESE STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING STORM DRAINAGE FACILITIES AT THE TWO POINTS OF CONNECTION PRIOR TO START OF CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
6. ALL WATER, SEWER, AND STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF ADDISON STANDARDS AND SPECIFICATIONS AND 2012 INTERNATIONAL PLUMBING CODE.
7. DOMESTIC WATER SERVICE AND FIRE SERVICE WATER LINES WILL BE CO-LOCATED IN ONE TRENCH. MINIMUM DEPTH OF BURY ON THE 6" FIRE SERVICE SHALL BE 4.0 FT, PER CITY OF ADDISON STANDARDS AND SPECIFICATIONS.
8. CONTRACTOR MAY ADJUST THE LOCATIONS OF LANDSCAPE AREA DRAINS SUCH THAT THEY ARE INSTALLED IN THE MOST SENSIBLE LOW SPOT(S) OF THE PLANTER AREA(S). PLANTER AREAS ADJACENT TO THE BUILDING SHALL BE GRADED IN SUCH A WAY AS TO KEEP STORMWATER OR IRRIGATION WATER FROM PONDING NEAR THE BUILDING AND FOOTINGS. TYP.
9. ALL UTILITY TRENCH BACKFILL & PAVEMENT REPAIR SHALL BE PER THE CITY OF ADDISON DETAILS ON SHEET CS.1.
10. REFER TO SHEET C5.1 FOR HDPE STORM DRAIN PIPE REQUIREMENTS.
11. REFER TO SHEET C6.0 FOR TRAFFIC CONTROL REQUIREMENTS DURING STORM DRAIN INSTALLATION AND IRRIGATION WATER LINE TAP & INSTALLATION.



SCALE: 1"=10'



- NOTES:**
- REPAIR SHALL EXTEND TO 1' BEYOND EACH SIDE OF TRENCH (Bd).
 - REPAIRS SHALL MATCH EXISTING GRADE.

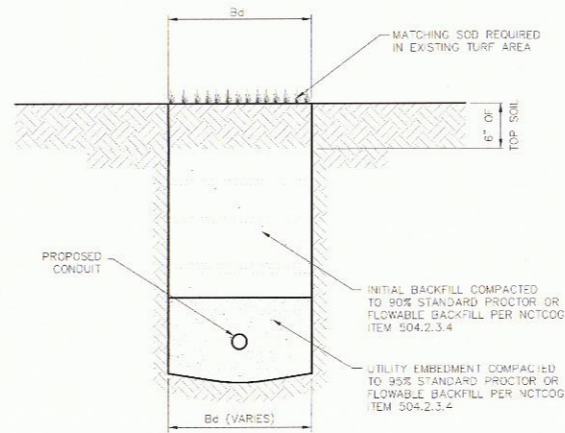
UTILITY INSTALLATION BENEATH ASPHALT ROAD SURFACE
NTS

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UTILITY INSTALLATION BENEATH ASPHALT ROAD SURFACE

STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-102



- NOTES:**
- ALL DISTURBED AREAS SHALL BE SODED (UNLESS OTHERWISE APPROVED).
 - BACKFILL AND EMBEDMENT PARTICLE SIZE SHALL NOT EXCEED 3" ANY DIRECTION.

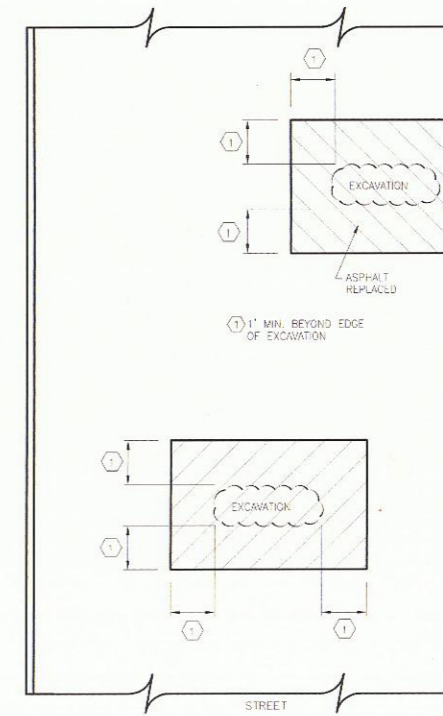
UTILITY INSTALLATION WITHIN TURF AREAS
NTS

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UTILITY INSTALLATION WITHIN TURF AREAS

STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-104



TYPICAL ASPHALT STREET REMOVAL/REPLACEMENT
EXAMPLE 4

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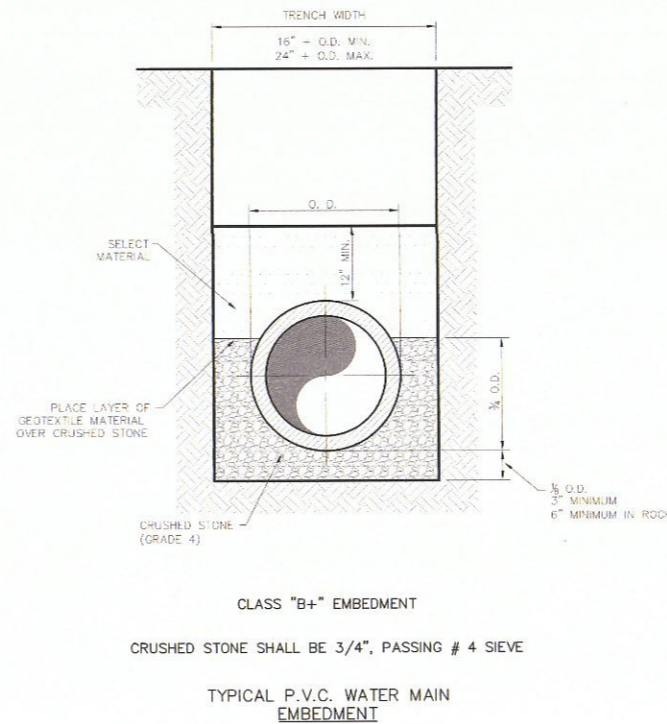
STREET CUT REPAIRS EXAMPLE 4

STANDARD CONSTRUCTION DETAILS UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-108

HIGH DENSITY POLYETHYLENE PIPE (HDPE) SPECIFICATION

- HDPE PIPE AND FITTINGS: SHALL CONFORM TO THE CITY OF ADDISON STANDARD SPECIFICATIONS. HDPE PIPE SHALL BE WATERTIGHT.
- JOINTS AND JOINTING MATERIAL FOR HDPE PIPING: HDPE PIPE JOINT SHALL BE CERTIFIED TO MEET THE TEST REQUIREMENTS OF ASTM D 3212 (WATER TIGHT PERFORMANCE LEVEL). GASKETS SHALL BE MANUFACTURED PER ASTM F477. 4" TO 10" DIAMETER HDPE SHALL HAVE AN INTEGRATED BELL AND A NON-TAPERED GASKETED SPIGOT. 12" AND LARGER DIAMETER HDPE SHALL HAVE AN INTEGRAL BELL-AND-SPIGOT JOINT WITH A BONDED REINFORCING BELT FUSED TO THE BELL AND A SEALING ASTM F477 GASKET.
- ADVANCED DRAINAGE SYSTEMS (ADS) HDPE PIPE (OR APPROVED EQUAL SHALL BE USED FOR THIS PROJECT).
- TRENCH AND BEDDING SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS.



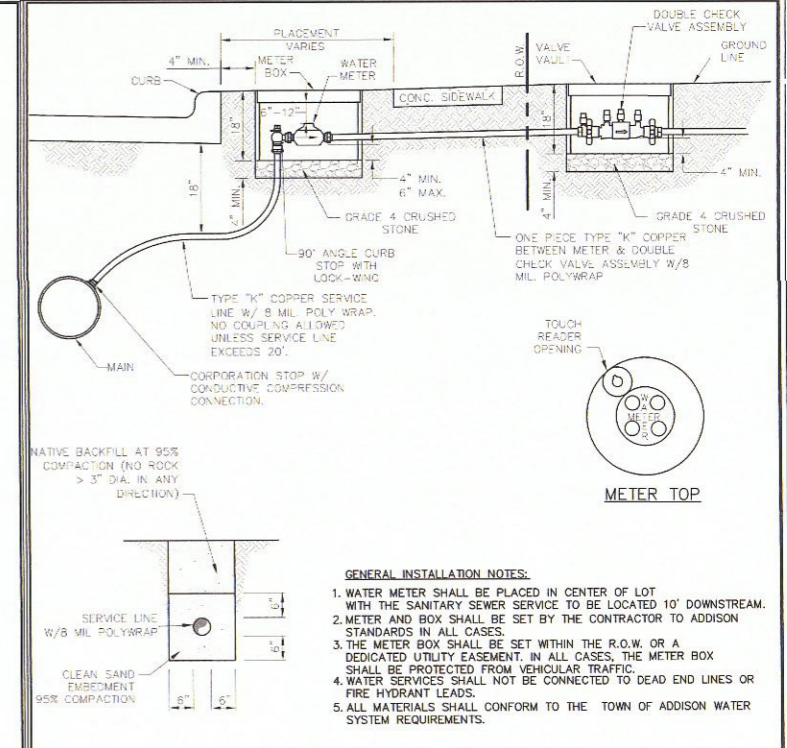
TYPICAL P.V.C. WATER MAIN EMBEDMENT

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P.V.C. WATER MAIN EMBEDMENT

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: SHEET: SD-101



GENERAL INSTALLATION NOTES:

- WATER METER SHALL BE PLACED IN CENTER OF LOT WITH THE SANITARY SEWER SERVICE TO BE LOCATED 10' DOWNSTREAM.
- METER AND BOX SHALL BE SET BY THE CONTRACTOR TO ADDISON STANDARDS IN ALL CASES.
- THE METER BOX SHALL BE SET WITHIN THE R.O.W. OR A DEDICATED UTILITY EASEMENT. IN ALL CASES, THE METER BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC.
- WATER SERVICES SHALL NOT BE CONNECTED TO DEAD END LINES OR FIRE HYDRANT LEADS.
- ALL MATERIALS SHALL CONFORM TO THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.

Type "K" Copper Service Pipe	Double Strap Bronze Service Saddle with C.C. Threads	Galvanized Meter Box With Iron Ring & Cover				
		Min. Dia.	Covers & Rigs	Min. Ht.	Min. Can Weight	Min. Total Weight
3/4 Inch	3/4 Inch	18 Inches	12% Inches	18 Inches	13 lbs.	42 lbs.
1 Inch	1 Inch	24 Inches	20% Inches	18 Inches	17 lbs.	98 lbs.
1 1/2 Inch	1 1/2 Inch	28 Inches	20% Inches	18 Inches	20 lbs.	127 lbs.
2 Inch	2 Inch	28 Inches	20% Inches	18 Inches	20 lbs.	127 lbs.

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SERVICE CONNECTION WITH METER BOX

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: SHEET: SD-102

FILE: 007 UTILITY DETAILS.DWG

PLOTTED: Thursday, January 23, 2014

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12/10/14

Revision Schedule

Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254
BUILDING DEPT. 2nd SUBMITTAL / BID SET
ISSUE DATE: 10/22/2014
PROJECT #: C-LDR-004

SHEET TITLE:
UTILITY DETAILS

SHEET NUMBER:

C5.1

Δ = 30°										Δ = 45°									
I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK			I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK				
			A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)				A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)		
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1	4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1		
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2	10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3		
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4	16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6		
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7		
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7	24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1		
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9	30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6		
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6		
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2		
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3		
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3	54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9		
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	7.3	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0		
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2		
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3	72	12.9	233.9	19.5	12.0	38.6	14.0	8.5	20.7		
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9		
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.6		
90	10.9	247.1	16.5	15.0	45.0	11.0	11.0	23.9	90	16.1	365.5	24.5	15.0	74.5	15.5	10.5	39.6		
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9	96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5		

Δ = 67.50°										Δ = 90°									
I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK			I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK				
			A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)				A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)		
4,6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4,6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2		
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4	10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5		
16,18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9	16,18	6.0	36.0	9.0	4.0	2.4	4.5	4.0	1.0		
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.6	44.4	10.0	4.5	3.1	6.0	4.0	1.5		
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.6	24	7.9	64.0	14.5	4.5	5.0	8.0	4.0	2.1		
30	7.8	58.9	12.0	5.0	4.8	7.5	4.0	2.2	30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3		
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	18.0	6.0	11.4	12.0	4.5	5.3		
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3	42	13.9	147.0	21.0	7.0	17.8	14.0	5.5	8.7		
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2	48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	12.4		
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243.0	27.0	9.0	36.9	18.0	7.0	18.1		
60	15.6	235.8	24.0	10.0	35.6	16.0	7.5	17.6	60	19.9	298.8	30.0	10.0	50.3	20.0	7.5	24.0		
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	66.2	22.0	8.5	32.5		
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4	72	23.8	431.8	36.0	12.0	85.6	24.0	9.0	41.0		
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2		
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8		
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2	90	29.0	674.6	45.0	15.0	164.9	30.0	11.5	81.2		
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0	96	31.6	767.5	48.0	16.0	199.0	32.0	12.0	95.1		

TABLES OF DIMENSIONS AND QUANTITIES

Addison!
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: - SHEET: 50-W06

I.D. (IN.)	T (IN.)	Δ = 11.25° (FT.)	Δ = 22.50° (FT.)	E (FT.)
4,6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	7.5	3.0	4.5	6.3
78	7.5	3.3	4.9	6.7
84	8.0	3.5	5.3	7.2
90	8.5	3.8	5.6	7.7
96	9.0	4.0	6.0	8.2

Δ = 11.25°										Δ = 22.50°									
I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK			I.D. (IN.)	G (FT.)	THRUST (TONS)	EARTH			ROCK				
			A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)				A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)		
4,6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1	4,6,8	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1		
10,12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1	10,12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1		
16,18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	16,18	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3		
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3	20	1.8	12.3	3.5	3.5	0.7	2.0	3.0	0.4		
24	1.1	8.9	3.0	3.5	0.5	1.5	3.0	0.3	24	2.2	17.7	4.0	4.5	1.0	3.0	3.5	0.5		
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4	30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8		
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5	36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3		
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1		
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1	48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8		
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1		
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8	60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3		
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7	66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2		
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.3	72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1		
78	3.6	70.2	8.0	8.1	4.0	9.0	3.9	7.8	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7			
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3	84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8		
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3	90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7		
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4	96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8		

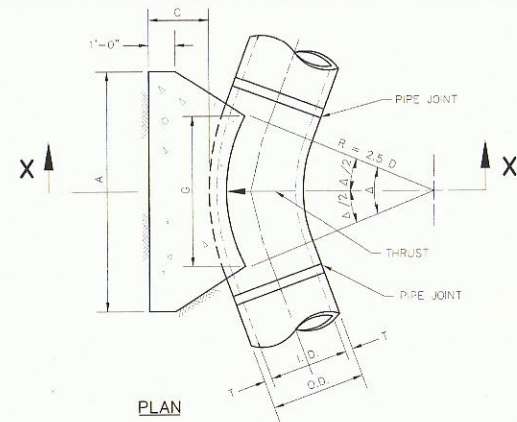
TABLES OF DIMENSIONS AND QUANTITIES

Addison!
PUBLIC WORKS DEPARTMENT

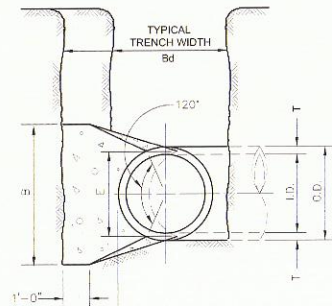
HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: - SHEET: 50-W03



PLAN



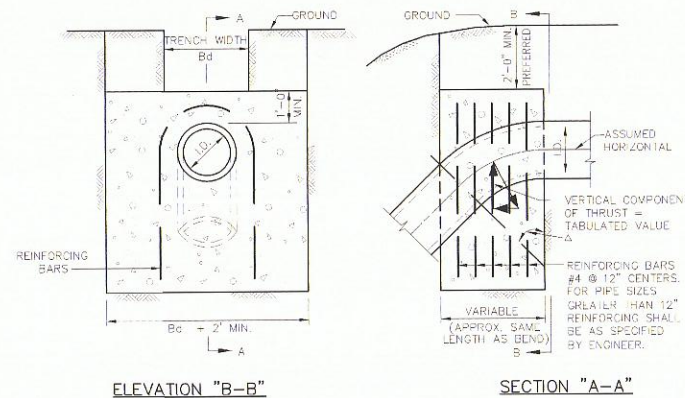
SECTION X-X

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PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: - SHEET: 50-W04



ELEVATION "B-B"

SECTION "A-A"

Δ	11.25°	22.50°	30°	45°	67.50°	90°
I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3
10,12	2.2	1.1	4.3	2.2	5.7	2.8
16,18	5.0	2.5	9.7	4.9	12.7	6.4
20	6.1	3.1	12.0	6.0	15.7	7.9
24	8.2	4.4	17.3	8.7	22.6	11.3
30	10.5	5.2	20.3	10.1	26.5	13.3
36	14.9	7.5	29.2	14.6	38.2	19.1
42	20.3	10.1	39.8	19.9	52.0	26.0
48	26.5	13.2	51.9	26.0	67.9	33.9
54	33.5	16.8	65.7	32.9	85.9	42.9
60	41.4	20.7	81.2	40.6	106.0	53.0
66	50.1	25.0	98.2	49.1	128.0	64.2
72	59.6	29.8	117.0	58.4	153.0	76.3
78	69.9	35.0	137.0	68.6	179.0	90.0
84	81.1	40.5	159.0	79.5	208.0	104.0
90	93.1	46.5	183.0	91.3	239.0	119.0
96	106.0	53.0	208.0	104.0	272.0	136.0

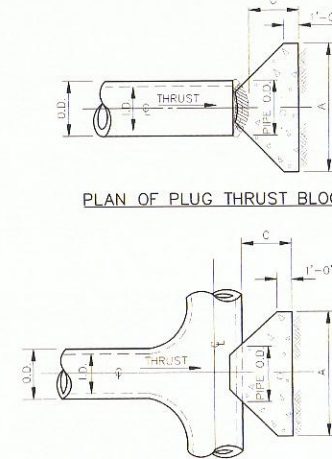
VERTICAL THRUST BLOCK AT PIPE BEND

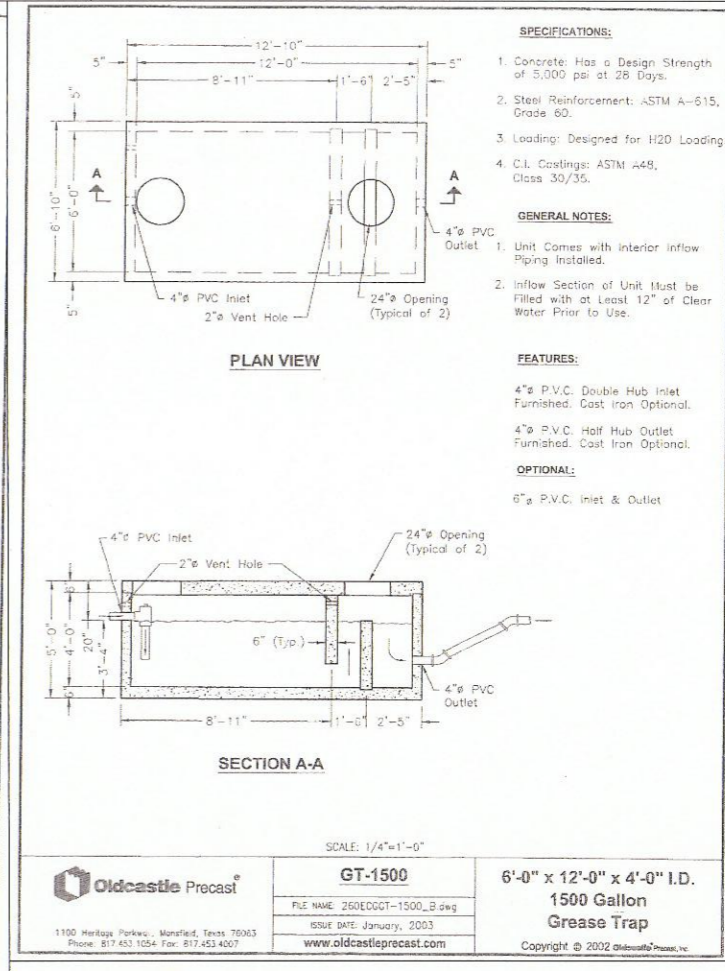
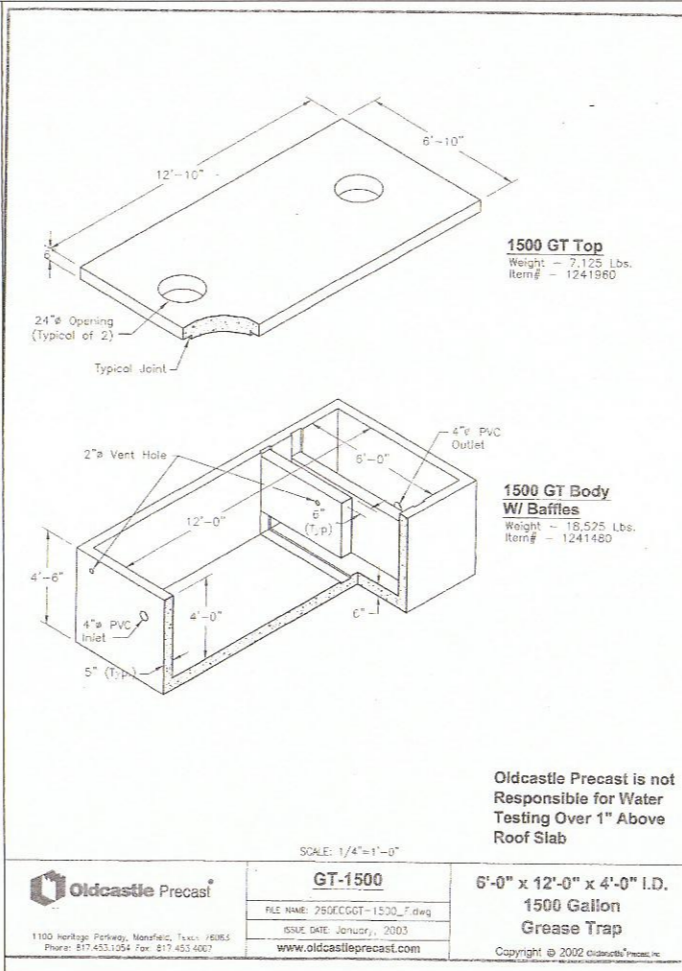
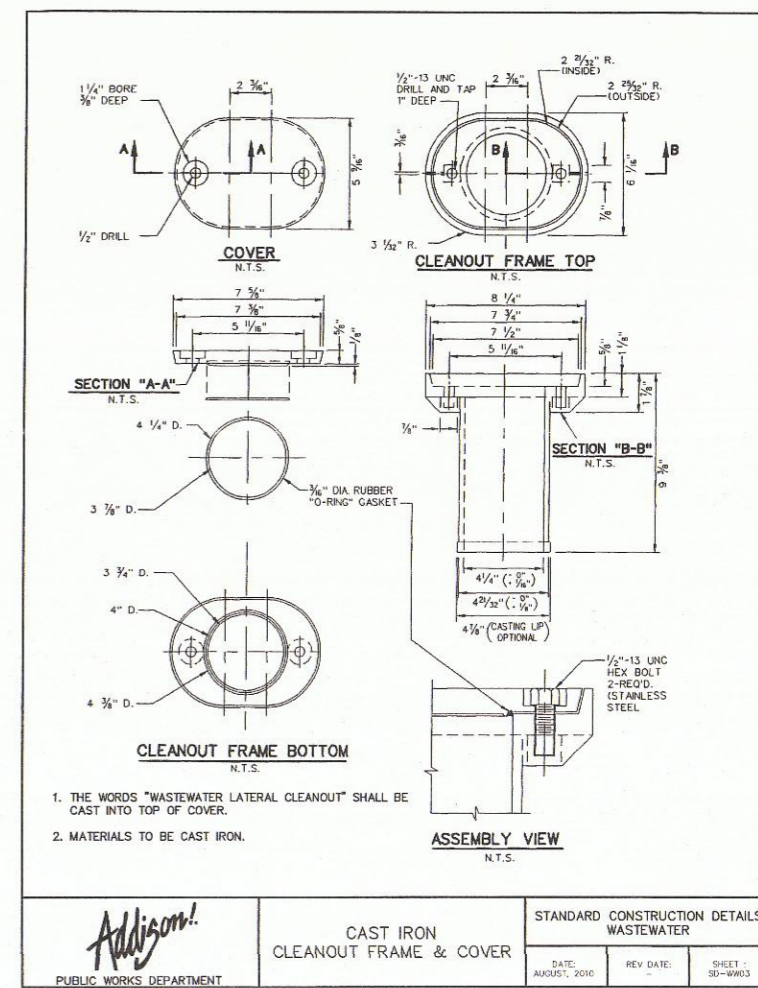
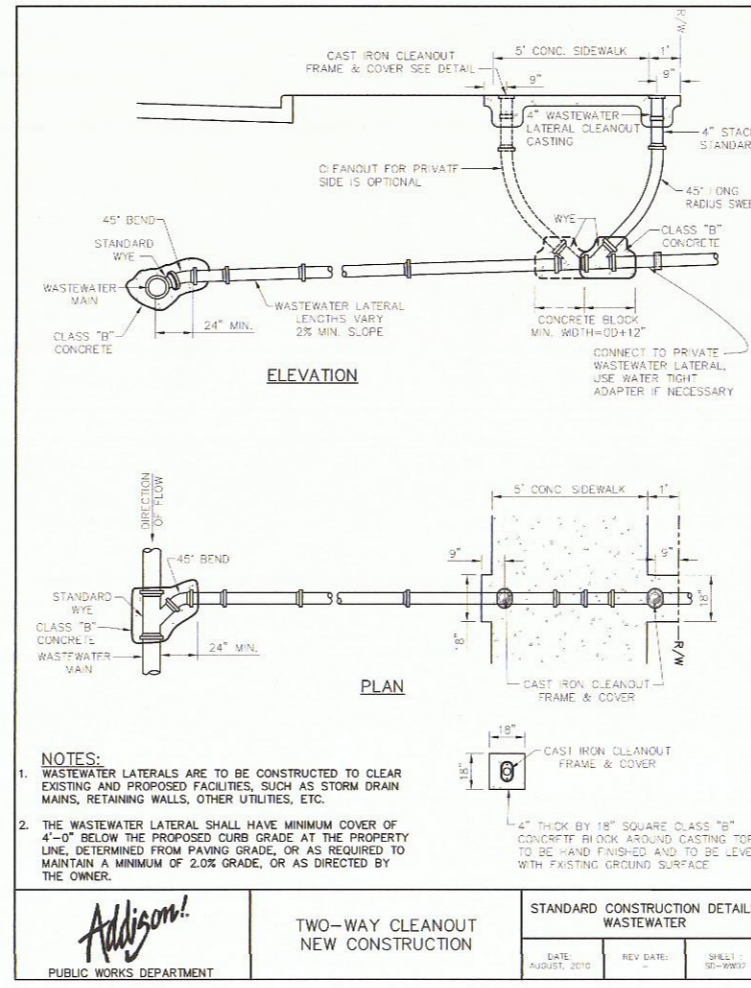
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PUBLIC WORKS DEPARTMENT

VERTICAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV DATE: - SHEET: 50-W06





2267 MORNING MESA
HENDERSON, NV 89052
702.551.2005
info@valley-cdg.com
TBPE Firm No. 14469



Revision Schedule

Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS



PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254

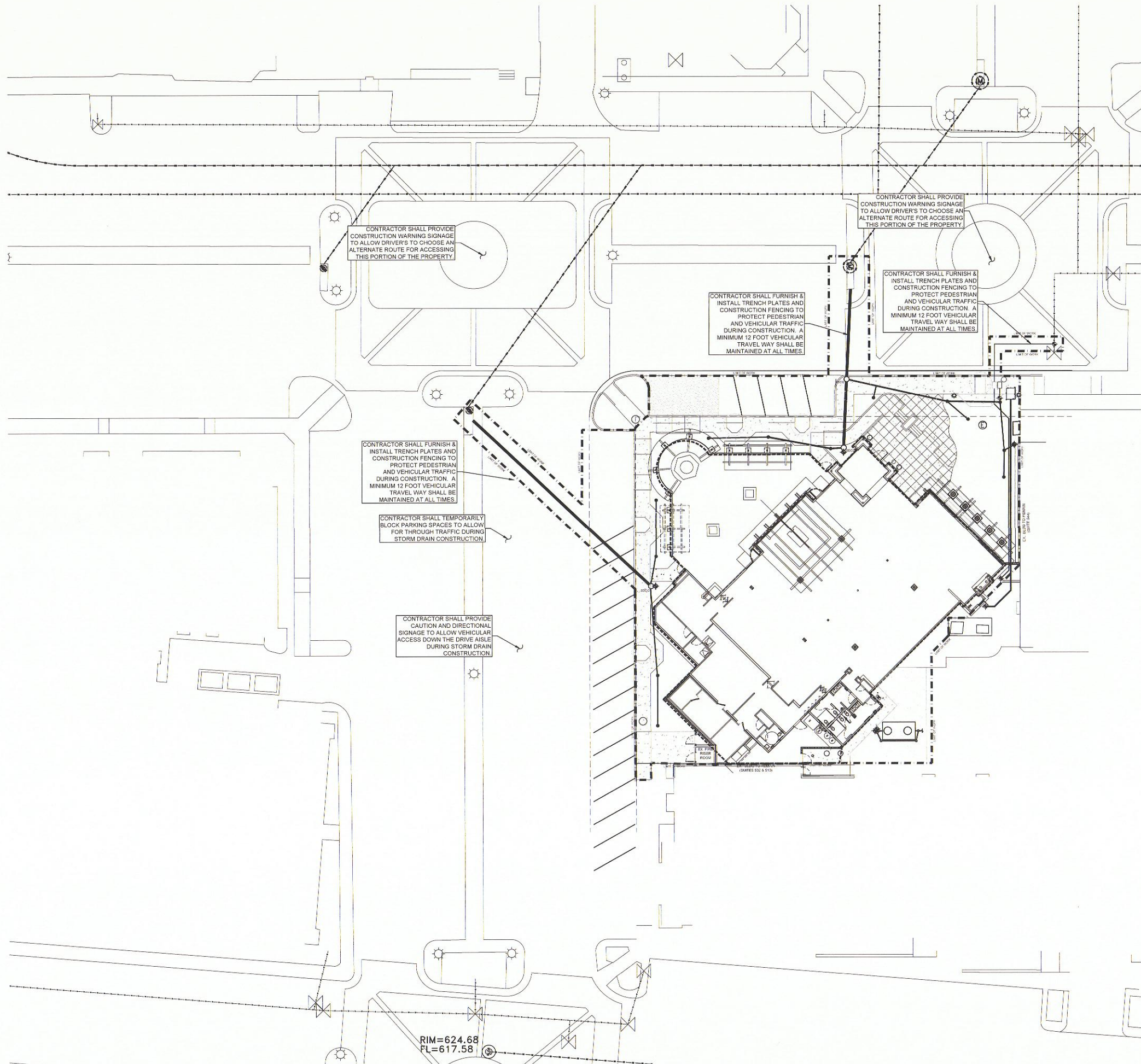
BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT # C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE:
UTILITY DETAILS

SHEET NUMBER:
C5.3

FILE: 011 TRAFFIC CONTROL PLAN.DWG

PLOTTED: Thursday, January 23, 2014



TRAFFIC CONTROL NOTES

1. CONTRACTOR IS RESPONSIBLE FOR BIDDING ALL TRAFFIC CONTROL SHOWN ON THIS PLAN THAT FALLS OUTSIDE AS WELL AS INSIDE THE LIMIT OF WORK/DISTURBANCE LINE. **NO CHANGE ORDERS WILL BE ACCEPTED OR APPROVED FOR FAILURE TO INCLUDE THESE ITEMS.**
2. CONTRACTOR SHALL COORDINATE CONSTRUCTION IN SHOPPING CENTER TRAFFIC ZONES WITH THE PROPERTY MANAGER.
3. CONTRACTOR SHALL PROVIDE A MINIMUM 12 FOOT WIDE TRAVEL LANE DURING STORM DRAIN AND WATER LINE CONSTRUCTION. DRIVE AISLES ARE SUFFICIENTLY WIDE ENOUGH TO ACCOMMODATE STAGED CONSTRUCTION AND A SAFE PATH OF TRAVEL.
4. FENCING, BARRICADES, TRENCH PLATES AND ALL OTHER NECESSARY SAFETY PRECAUTIONS SHALL BE PROVIDED WHILE EXCAVATIONS ARE OPEN AND HAVE NOT BEEN RETURNED TO EXISTING OR BETTER CONDITION.
5. CONTRACTOR SHALL REFER TO TxDOT STANDARDS FOR TRAFFIC CONTROL SIGNAGE AS APPROPRIATE.
6. CONTRACTOR SHALL PROVIDE DETOUR INFORMATION AND ALTERNATE ROUTE INFORMATION AT THE MAJOR INTERSECTIONS NEAR THE WORK BEING PERFORMED TO ALLOW MOTORISTS TO CHOSE AN ALTERNATE PATH OF TRAVEL.

APPROVED FOR CONSTRUCTION

Town of Addison

Infrastructure Operations And Services Department

APPROVED BY: *David E. [Signature]*

DATE: 12/17/14

16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

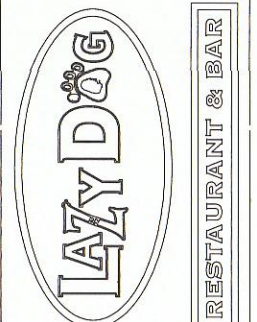
All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

2267 MORNING MESA
HENDERSON, NV 89052
702.551.2005
info@valley-cdg.com
TBPE Firm No. 14469



12/10/14

Revision Schedule		
Rev	Date	Description
10	DEC 14	PLAN CHECK COMMENTS

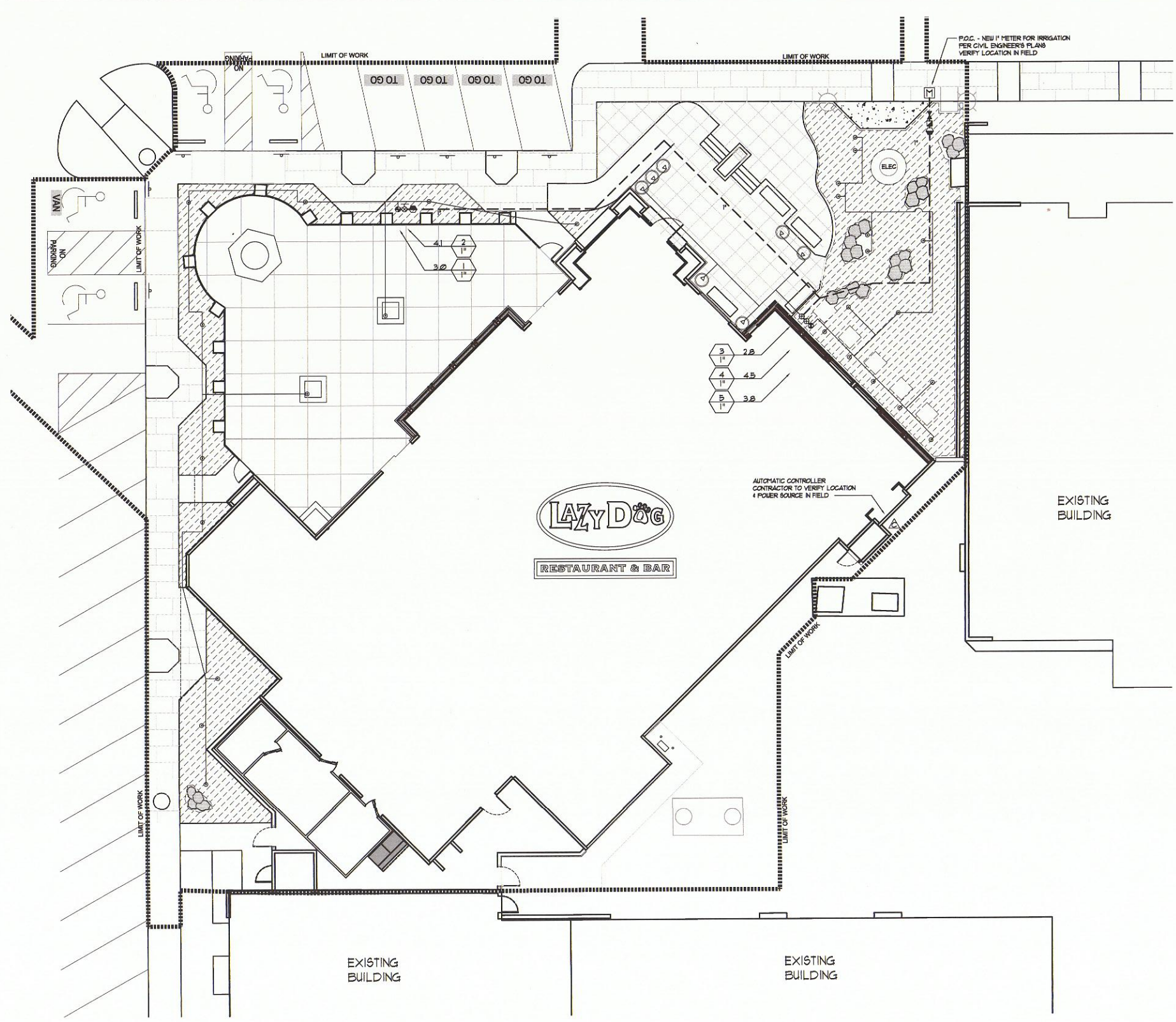


PROJECT NAME: LAZY DOG RESTAURANT & BAR
 PROJECT ADDRESS: VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004 ISSUE DATE: 10-25-2014

SHEET TITLE: **TRAFFIC CONTROL PLAN**

SHEET NUMBER: **C6.0**





IRRIGATION LEGEND

SYM.	MODEL NO.	DESCRIPTION	PSI	RAD	GPM	PATTERN
○	RANBIRD 1806-841-1401	POP-UP BUBBLER	30	2'	0.25	FULL CIRCLE
▽	RANBIRD 1425-360-1032	XERI-BUBBLER	30	6"	0.4	FULL CIRCLE
○	RANBIRD XPD-06-18	DRIFLINE	30	18"	0.6	GPH DRIP
□		SPACE AT 18" OC WITH STAPLE EVERY 4" AND (2) STAPLES AT EVERY TEE, ELBOW OR CROSS. USE (1) LINE FLUSHING VALVE FOR EVERY 8 GPM OF ZONE FLOW - POSITION NEAR HALFWAY POINT				
○	RANBIRD XCC-100-PRF	1" DRIP ZONE VALVE KIT				
○	RANBIRD 1800-PSA	1" CONTROL VALVE				
○	RANBIRD 33-DL-RC	QUICK COUPLER UNLOCKING COVER				
○	NIBCO T-13	BRONZE GATE VALVE - LINE SIZE				
○	FEBCO 825	1" REDUCED PRESSURE BACKFLOW PREVENTER				
○	RANBIRD ESP-8HT4	AUTOMATIC ET BASED CONTROLLER w/RAIN SHUT-OFF				
○	RANBIRD ESP-8T3	CONTROLLER EXPANSION MODULE				
---		PRESSURE MAINLINE: 1/2"-1 1/2" USE PVC SCHEDULE 40 2" OR LARGER USE PVC CLASS 200 SOLVENT WELD BURY MIN 12" BELOW GRADE. SIZE NOTED ON PLAN.				
---		NON-PRESSURE LATERAL: PVC CLASS 200 SOLVENT WELD BURY MIN 12" BELOW GRADE. SIZE NOTED ON PLAN.				
---		DRIP SUPPLY LATERAL LINE BURY MIN 12" BELOW GRADE.				

IRRIGATION NOTES

- 120 VOLT ELECTRICAL POWER OUTLETS FOR CONTROLLERS TO BE PROVIDED BY OTHERS. CONTRACTOR TO BE RESPONSIBLE FOR MAKING HOOK-UP FROM OUTLETS TO CONTROLLERS.
- ALL WIRE FROM CONTROLLERS TO ELECTRIC VALVES TO BE COPPER 1/2" DIRECT BURIAL. USE BLACK FOR PILOT AND WHITE FOR COMMON. INSTALL IN COMMON TRENCH WITH MAIN LINE WHERE POSSIBLE. PROVIDE MIN. OF 18" COVER.
- PROVIDE MIN. 18" COVER OVER ALL MAIN LINE PIPING AND 12" COVER OVER ALL LATERAL LINE PIPING.
- ALL PIPE UNDER PAVED AREAS TO BE PVC SCH. 40. INSTALL PRIOR TO PAVING.
- THIS DESIGN IS DIAGNOSTIC. EQUIPMENT SHOWN IN PAVED AREAS IS FOR DESIGN CLARIFICATION ONLY AND IS TO BE INSTALLED WITHIN THE NEAREST PLANTED AREA WHERE POSSIBLE.
- CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL HEADS FOR BEST PERFORMANCE AND TO PREVENT OVERSPRAY ONTO WALKS, DRIVES AND BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE THE SELECTION OF THE BEST DEGREE OF ARC TO FIT EXISTING SITE CONDITIONS.
- INSTALL ALL EQUIPMENT AS SHOWN IN DETAILS.
- SYSTEM DESIGN IS BASED ON PRESSURES AND GALLONAGES INDICATED AT POINTS OF CONNECTION.
- DO NOT WILLFULLY INSTALL THE SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE, OTHERWISE THE IRRIGATION CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY AND ALL NECESSARY REVISIONS.
- FINAL LOCATION OF AUTOMATIC CONTROLLER TO BE DETERMINED BY OWNER'S AUTHORIZED REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT.
- THE SYSTEM SHALL BE FULLY GUARANTEED FOR A PERIOD OF ONE YEAR. ANY DEFECTIVE MATERIAL OR POOR WORKMANSHIP SHALL BE REPLACED OR CORRECTED BY THE IRRIGATION CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR TO BE RESPONSIBLE FOR RECENT CONTROL OF DRIP SYSTEM DURING INSTALLATION AND MAINTENANCE PERIOD.
- CONTRACTOR IS TO ADJUST IRRIGATION TO WHERE LIGHTING FIXTURES AND OTHER UTILITIES OCCURRED IN FIELD.

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 FAX 850-4465
 LANDSCAPE ARCHITECTURE
 2301 T. Moulton Parkway
 PLANNING - RESEARCH
 ENLIGHTENED
 Suite J12 - Laguna Hills, CA 92653
SSA
 STAN SMITH ASSOCIATES

Sheet Title
IRRIGATION PLAN
 Original drawings size: 11" x 17"

VILLAGE ON THE PARKWAY
 5100 BELT LINE RD
 ADDISON, TX 7524



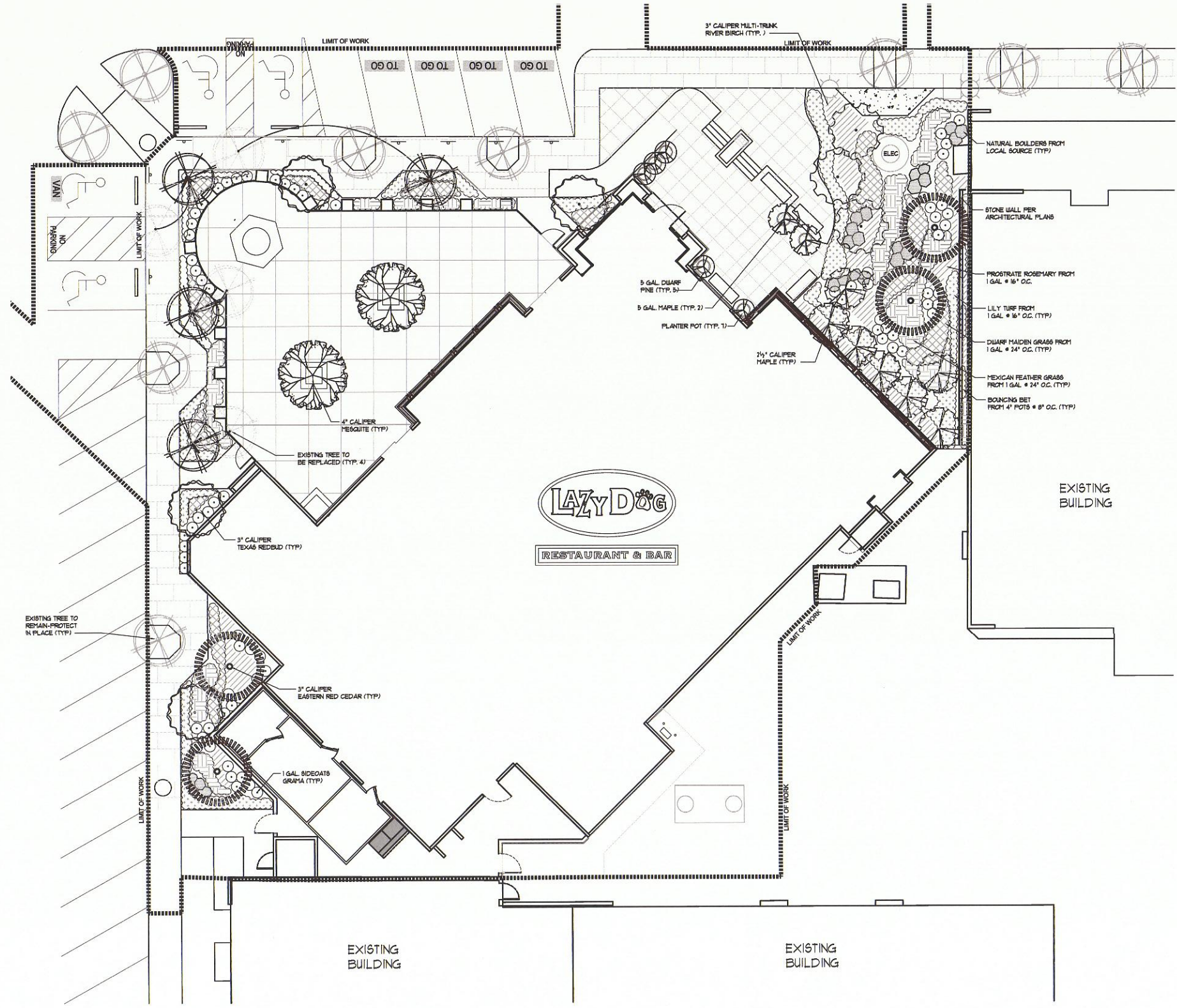
Issue Date:

Revisions
 1 DEC 2014 Plan Check Re-Submit
 1 DEC 2014 Bid Set

Approved for Construction
[Signature]
 Town of Addison Parks Dept.
 12.17.14



Scale: 1/8"=1'-0"
 Drawn By: NS
 Checked By: SSA
 Sheet Number:
L-1



PLANT LEGEND

SYMBOL	SIZE	BOTANICAL NAME	COMMON NAME	QUANTITY
TREES				
	2 1/2" CALIPER	ACER TRUCATUM	SHANTUNG MAPLE	1
	3" CALIPER	BETULA NIGRA	RIVER BIRCH	3 - MULTI
	2 1/2" CALIPER	CERCIS C. 'TEXENSIS'	TEXAS REDBUD	4
	3" CALIPER	JUNIFERUS VIRGINIANA	EASTERN RED CEDAR	4
	4" CALIPER	PROSOPIS GLANDULOSA	HONEY MESQUITE	2
	MATCH EXISTING CALIPER	QUERCUS SP.	OAK TREE	4
GRASSES				
	1 GAL	BOUTELOUA CURTIPENDULA	BIDECATS GRAMA	18
	1 GAL	MISCANTHUS 'LITTLE KITTEN'	DWARF MAIDEN GRASS	• 24" O.C.
	1 GAL	STIPA TENUISSIMA	MEXICAN FEATHER GRASS	• 24" O.C.
GROUND COVERS				
	1 GAL	LIRIOPE MUSCARI	LILYTURF	• 16" O.C.
	1 GAL	ROSMARINUS O. 'PROSTRATUS'	PROSTRATE ROSEMARY	• 16" O.C.
	4" POTS	SAPNARIA OFFICINALIS	BOUNCING BET	• 8" O.C.
POT PLANTING				
	5 GAL	ACER TRUCATUM	SHANTUNG MAPLE	2
	5 GAL	PINUS T. 'THUNDERHEAD'	DWARF JAPANESE BLACK PINE	5

AREA CALCULATIONS:
 CONSTRUCTION LIMITS: 23214
 LANDSCAPE: 35248 - 15%

PLANTING NOTES

CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AND SERVICES PRIOR TO ANY DIGGING. CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR ALL DAMAGE CAUSED BY FAILURE TO DO SO.

PLANT MAINTENANCE WORK SHALL CONSIST OF APPLYING WATER, WEEDING, FERTILIZING PER SPECIFICATIONS.

THE ENTIRE PROJECT IS TO BE MAINTAINED FOR A PERIOD OF 60 CALENDAR DAYS, COMMENCING FROM THE TIME ALL ITEMS OF WORK HAVE BEEN COMPLETED TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT.

CONTRACTOR SHALL BE RESPONSIBLE FOR DISEASE AND PEST CONTROL DURING THE MAINTENANCE PERIOD.

CONTRACTOR SHALL RAISE OR LOWER SPRINKLER HEADS TO PROPER LEVEL IF PLANT MATERIAL OBSTRUCTS FULL COVERAGE.

CONTRACTOR TO VERIFY WITH SOIL ANALYSIS, THE SOIL AMENDMENT AND CONTACT THE LANDSCAPE ARCHITECT IF THERE ARE ANY INADEQUATE AMENITIES.

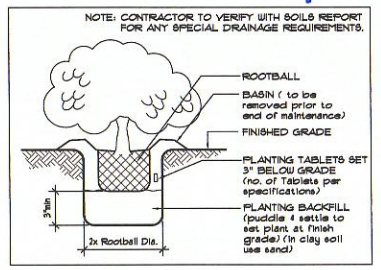
ALL SHRUBS AND GROUND COVER TO BE INSTALLED 1" ABOVE BACKFILL GRADE. COMPACT BACKFILL TO REMOVE MAJOR SETTLING OF PLANT MATERIAL.

PLANTS CALLED OUT ON PLAN ARE CONSIDERED IN CLUSTERS EVEN IF NOT ATTACHED BY CONNECTING LINES. CALLOUTS WILL HAVE TOTAL COUNTS NEEDED.

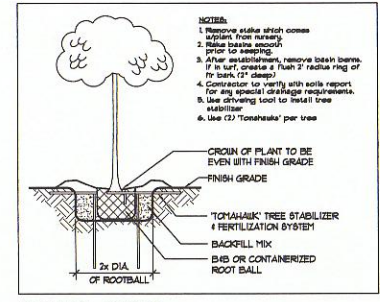
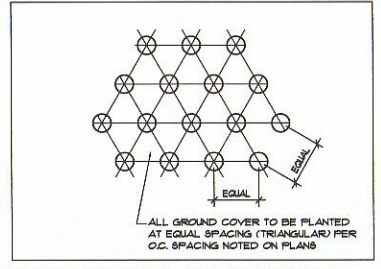
ALL PLANTING BEDS TO RECEIVE 2" DEPTH OF FIR BARK MULCH - 'FOREST FLOOR' OR EQUAL.

ALL TREES WITHIN FIVE FEET (5') OF HARDSCAPE OR WALLS TO BE INSTALLED WITH A ROOT BARRIER.

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GRASS PLANTING



TREE PLANTING

GRASS & GROUND COVER SPACING



(949) 855-6413
 FAX: 850-4465
 LANDSCAPE ARCHITECTURE
 23011 Motion Parkway
 PLANNING - 852-8452
 Suite 112 - Laguna Hills, CA 92653
SSA
 STAN SMITH ASSOCIATES

PLANTING PLAN

VILLAGE ON THE PARKWAY
 5100 BELT LINE RD
 ADDISON, TX 7524



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PLANTING SPECIFICATIONS

WEED CONTROL: KILL AND REMOVE ALL EXISTING WEEDS FROM THE SITE AREA. UPON COMPLETION OF SOIL PREPARATION, THE CONTRACTOR SHALL APPLY A SELECTIVE PRE-EMERGENT TO ALL PLANTING AREAS EXCEPT SEEDBED LAWN AREAS.

CULTIVATION: IMMEDIATELY AFTER APPLICATION OF WEED CONTROL, CULTIVATE ALL AREAS TO A DEPTH OF 1-1/2".

FINISH GRADING: MAKE ALL SOIL AREAS SMOOTH AND EVEN WITH A FINISH GRADE OF 1" (ONE INCH) BELOW THE SURFACE OF WALKS, PAVED AREAS AND CURBS AND SLIGHTLY LESS THAN FLUSH WITH CATCH BASINS, MANHOLES, CLEAN OUTS, VALVE BOXES AND SIMILAR FEATURES. RAKE CLEAN ALL AREAS.

SOIL PREPARATION AND FERTILIZATION: IN ALL PLANTING AREAS THE FOLLOWING APPLICATION SHALL BE MADE PER 1000 SQ. FT. OF AREA AND SHALL BE THOROUGHLY CULTIVATED IN TWO DIRECTIONS INTO THE 6" OF SOIL, AND THE AREA WATERED DOWN. 2 CUBIC YARDS NITROGEN STABILIZED BAUDERT, 100 LBS. AGRICULTURAL GYP-SUM, 150 LBS. GRO-POWER PLUS COMMERCIAL FERTILIZER.

DEEP RIP: ALL AREAS TO BE PLANTED OR SEEDBED TO A UNIFORM DEPTH OF AT LEAST 12" AND FOR THIS ENTIRE DEPTH THE SOIL SHALL BE MADE LOOSE AND FRISABLE.

ALL MATERIALS SHALL BE UNIFORMLY AND THOROUGHLY BLENDED BY REPEATED ROTARY CULTIVATION INTO THE 6" OF TOP SOIL.

AT THE TIME OF PLANTING, THE TOP 2" (TWO INCHES) OF ALL AREAS TO BE PLANTED OR SEEDBED SHALL BE FREE OF STONES, WEEDS, ROOTS OR OTHER DELETERIOUS MATTER 1" (ONE INCH) IN DIAMETER OR LARGER AND SHALL BE FREE FROM ALL WIRE, PLASTER OR SIMILAR OBJECTS THAT WOULD BE A HINDRANCE TO PLANTING OR MAINTENANCE. REMOVE ALL DEBRIS FROM THE SITE.

AFTER 90 DAYS (MAINTENANCE PERIOD) APPLY 25 LBS. PER 1000 SQ. FT. OF GRO-POWER PLUS IN ALL LANDSCAPE AREAS.

REFER TO SOILS REPORT FOR ANY ADDITIONAL SOIL AMENDMENTS.

BACKFILL MIX - TREES, SHRUBS AND VINES:
SOIL MIX FOR BACKFILL IN PITS FOR TREES, SHRUBS AND VINES SHALL CONSIST OF THE FOLLOWING:

- AMOUNT/CUBIC YARD
- 60% BY VOLUME ON-SITE SOIL
- 40% BY VOLUME ORGANIC AMENDMENT
- 2 LBS. AGRICULTURAL GYP-SUM
- 15 LBS. GRO-POWER PLUS

PLANTING PITS SHALL BE EXCAVATED TWICE THE DIAMETER AND TWICE THE DEPTH OF THE ROOT BALL. BACKFILL SHALL THEN BE ADDED AS OUTLINED ABOVE. THE PREPARED SOIL SHALL BE UNIFORMLY BLENDED IN AN AREA ADJACENT TO THE PLANTING WORK AND SHALL BE ACCURATELY PROPORTIONED USING A SUITABLE MEASURING CONTAINER. UNUSED EXCAVATED SOIL SHALL BE REMOVED FROM SITE. PROTECT THE MIX FROM WATER UNTIL IT HAS BEEN PLACED IN BACKFILL AROUND PLANTS.

INSTALL PLANTING TABLETS IN THE FOLLOWING APPLICATIONS: 1 GRAM TABLETS BY GRO-POWER INTO PLANTING PITS AS PER DETAIL.

- EACH GALLON PLANT - 2 TABLETS
- EACH 5 GALLON PLANT - 4 TABLETS
- EACH 9 GALLON PLANT - 8 TABLETS

SPECIFIC PLANTS LARGER THAN 9 GALLON SIZE SHALL BE 3 TABLETS PER 1/2" CALIPER OF TREE TRUNK.

AGRONOMIC SOILS REPORT:

a. AFTER COMPLETION OF ROUGH GRADING 4 PRIOR TO SOIL PREPARATION, THE CONTRACTOR SHALL PROVIDE THE TESTING OF PLANTING SOILS 4 COMPOSTED ORGANIC MIXED MATERIALS BY AN INDEPENDENT AGRONOMIC SOILS TESTING LABORATORY THAT IS A MEMBER OF THE CALIFORNIA ASSOCIATION OF AGRICULTURAL LABS. REPRESENTATIVE SOILS SAMPLES SHALL BE TAKEN IN THE FIELD 4 A WRITTEN REPORT SHALL BE PREPARED BY THE SOIL SCIENTIST THAT SHALL INCLUDE RECOMMENDATIONS FOR SOIL AMENDMENTS, PRE-PLANT FERTILIZATION, HYDROMULCH SLURRY 4 POST-MAINTENANCE FERTILIZATION PROGRAMS.

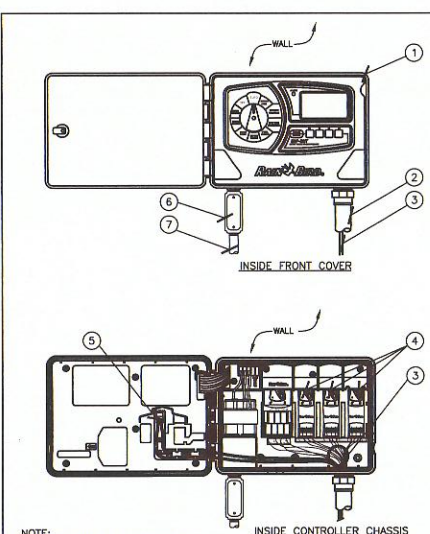
b. SOIL PREPARATION SPECIFICATIONS SHALL BE PREPARED BASED ON THE TEST RESULTS 4 RECOMMENDATIONS AND MUST BE APPROVED BY THE CITY PRIOR TO SOIL PREPARATION.

c. SOIL TESTS SHALL BE PERFORMED AFTER SOIL PREPARATION TO CONFIRM THAT SOIL PREPARATION WAS PERFORMED IN COMPLIANCE WITH PRE-PLANT SOILS REPORT 4 SPECIFICATIONS. COMPLIANCE OF CONTRACTOR'S WORK WITH SOIL PREPARATION SPECIFICATIONS SHALL BE DETERMINED SOLELY BY THE CITY.

GUARANTEE: ALL SPECIMEN TREES AND ALL SHRUBS OF 9 GALLON SIZE AND LARGER SHALL BE GUARANTEED BY THE CONTRACTOR TO TAKE ROOT AND GROW IN A HEALTHY CONDITION FOR ONE YEAR AFTER COMPLETION OF ALL CONTRACTOR'S LANDSCAPE PLANTING WORK. PROVIDING SAID TREES AND SHRUBS HAVE RECEIVED NORMAL CARE AND MAINTENANCE AS DETERMINED BY THE LANDSCAPE ARCHITECT AND OWNER.

ALL OTHER PLANTINGS INCLUDING, BUT NOT NECESSARILY LIMITED TO, GROUND COVER, VINES, ETC. SHALL BE GUARANTEED BY THE CONTRACTOR TO TAKE ROOT AND GROW IN A HEALTHY CONDITION FOR SIXTY (60) DAYS AFTER COMPLETION OF ALL CONTRACTOR'S LANDSCAPE PLANTING WORK.

ANY OF SAID TREE, SHRUBS, OR OTHER PLANTINGS WHICH DIE BACK OR LOSE FORM AND SIZE AS ORIGINALLY SPECIFIED SHALL BE REPLACED WITHOUT DELAY BY THE CONTRACTOR WHEN REQUESTED BY LANDSCAPE ARCHITECT AND/OR OWNER, AT NO COST TO OWNER.



- 1 RAIN BIRD ESP-SM14 OUTSIDE WALL MOUNT
- 2 1-INCH PVC SCH 40 CONDUIT AND FITTINGS
- 3 WIRES TO REMOTE CONTROL VALVES AND SENSOR
- 4 OPTIONAL MODULES
- 5 CONNECTION FOR WIRES FROM SENSOR
- 6 JUNCTION BOX
- 7 1/2-INCH PVC SCH 40 CONDUIT TO POWER SUPPLY

NOTE: WIRE LENGTH FROM CONTROLLER TO SENSOR NOT TO EXCEED 200 FEET.

K CONTROLLER

IRRIGATION SPECIFICATIONS

INSTALL ALL MATERIALS TO COMPLY WITH LOCAL CODES AND ORDINANCES. VERIFY PRESSURE SHOWN PRIOR TO BEGINNING OF CONSTRUCTION.

VERIFICATION: ALL SCALED DIMENSIONS ARE APPROXIMATE. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, LOCATIONS OF VALVES AND VACUUM BREAKERS SHALL BE AS INDICATED ON THE DRAWINGS. ANY DEVIATION FROM THE PLAN MUST HAVE THE APPROVAL OF THE LANDSCAPE ARCHITECT. LOCATION OF ALL BACKFLOW AND CONTROLLERS SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.

PERMIT AND FEES: THE CONTRACTOR SHALL APPLY AND PAY FOR ALL NECESSARY FEES AND PERMITS REQUIRED IN THE PURSUIT OF HIS WORK AS REQUIRED BY GOVERNING CODES.

EXCAVATIONS: DEPTHS OF MINIMUM COVER UNLESS OTHERWISE SPECIFIED BELOW FINISH GRADE:
1. MAIN LINE PRESSURE PLASTIC - 18" MINIMUM COVER, 24" UNDER PAVING, SAND BACKFILL.
2. QUICK COUPLER LINES - 1-1/2" AND SMALLER MAIN LINE 18"
3. LATERAL SPRINKLER LINES - 2" 4 SAND BACKFILL UNDER PAVING.
4. CONTROL WIRING - 18".

THE IRRIGATION CONTRACTOR SHALL NOT WILLFULLY INSTALL SPRINKLER SYSTEMS AS INDICATED ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS, GRADE DIFFERENCES AND/OR DISCREPANCIES IN AREA DIMENSIONS, UNTIL SUCH CONDITIONS ARE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT.

INSTALL ALL EQUIPMENT AND MATERIALS AS SHOWN IN DETAILS AND SPECIFICATIONS.

ALL PIPING UNDER PAVED AREAS SHALL BE INSTALLED PRIOR TO PAVING. USE PVC CLASS 315 FOR 2" AND LARGER AND PVC SCHEDULE 40 FOR 1-1/2" AND SMALLER. PROVIDE SAND BACKFILL OVER PIPING CROSSING ANY ROADWAY OR AC PAVING.

ALL PIPING BETWEEN WATER METER AND BACKFLOW PREVENTER SHALL BE PER LOCAL CODE.

VALVE BOXES SHALL BE AMETEK 10-131-001 WITH AMETEK 10-131-001 COVER MARKED "IRRIGATION CONTROL VALVE."

INSTALL CONTROLLER AS CALLED FOR ON THE DRAWINGS. OWNER SHALL PROVIDE 120 VOLT SERVICE TO CONTROLLER. IRRIGATION CONTRACTOR SHALL TAKE FINAL HOOK-UP TO CONTROLLER.

INSTALL 24 VOLT CONTROL WIRING ON 4 IF DIRECT BURIAL IRRIGATION WIRE. USE BLACK FOR PILOT, USE WHITE FOR COMMON WIRE.

USE EPOXY TAPE CONNECTORS FOR SPLICING OF WIRES. BURY WIRES IN SAME TRENCH AS MAIN LINE WITH 6X1" DIA X 30" LINEAR EXPANSION COILS EVERY 100' AND AT VALVES. INSTALL WIRES IN PVC SLEEVE UNDER PAVING.

ADJUST RISER HEIGHT ON SHRUB POP-UP SPRAYS. SHRUB HEADS SHALL BE 2" ABOVE GRADE ALONG PARKING AREAS, CURBS OR SIDEWALKS. HEIGHT OF HEAD IN PLANTING AREAS SHALL BE 6" ABOVE GRADE. INSTALL HEADS 6" FROM ACCENTRANCE OF THE WORK BY THE OWNER.

ADJUST SPRINKLERS FOR REQUIRED COVERAGE. KEEP OVERFLOW AT A MINIMUM. ADJUST PRESSURE OF SYSTEM TO AVOID FOGGING OR OVERSPRAYING. PERFORM A COVERAGE TEST UPON COMPLETION IN PRESENCE OF LANDSCAPE ARCHITECT.

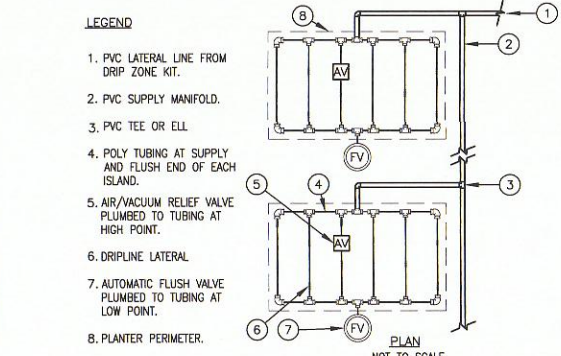
CONTRACTOR SHALL SUBMIT "AS-BUILT" DRAWINGS TO OWNER. LOCATE VALVES, QUICK COUPLERS AND MAIN LINE LOCATION WITH DIMENSIONS FROM THE NEAREST PERMANENT POINT OF REFERENCE.

CONTRACTOR SHALL FURNISH THREE (3) QUICK COUPLING KEYS EQUIPPED WITH HOSE SUELVES.

TESTS: ALL PRESSURE LINES SHALL BE TESTED PRIOR TO BACKFILL OPERATIONS. CENTER LOAD PLASTIC PIPE WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING AND WHIPPING UNDER PRESSURE.

GUARANTEE: THE ENTIRE IRRIGATION SYSTEM SHALL BE GUARANTEED BY THE CONTRACTOR TO GIVE COMPLETE AND SATISFACTORY SERVICE AS TO MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK BY THE OWNER.

SHOULD ANY TROUBLE DEVELOP WITHIN THE SPECIFIED GUARANTEE PERIOD, WHICH IN THE OPINION OF THE OWNER IS DUE TO DEFECTIVE OR FAULTY MATERIAL AND/OR WORKMANSHIP, THE TROUBLE SHALL BE CORRECTED WITHOUT DELAY BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND AT NO EXPENSE TO THE OWNER AS PART OF THIS CONTRACT.

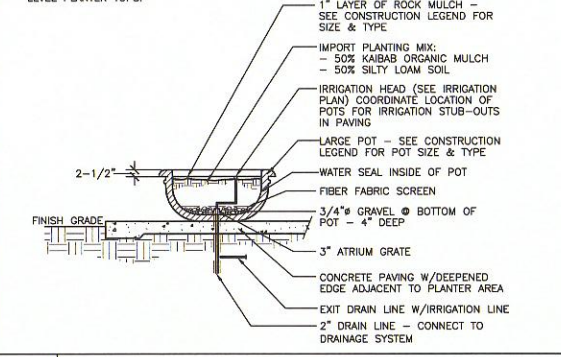


- LEGEND**
1. PVC LATERAL LINE FROM DRIP ZONE KIT.
 2. PVC SUPPLY MANIFOLD.
 3. PVC TEE OR ELL.
 4. POLY TUBING AT SUPPLY AND FLUSH END OF EACH ISLAND.
 5. AIR/VACUUM RELIEF VALVE PLUMBED TO TUBING AT HIGH POINT.
 6. DRIPLINE LATERAL.
 7. AUTOMATIC FLUSH VALVE PLUMBED TO TUBING AT LOW POINT.
 8. PLANTER PERIMETER.

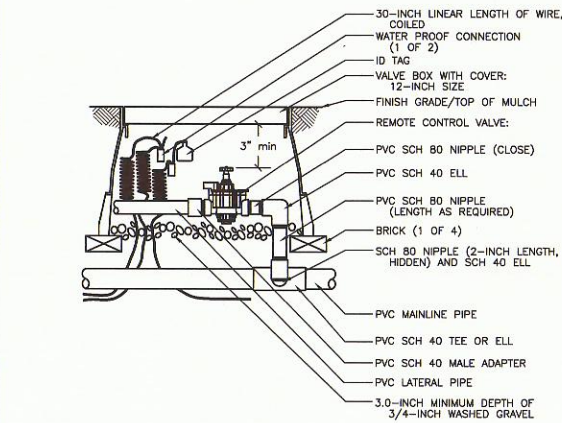
NOTE: THE TOTAL LENGTH OF ALL INTERCONNECTED DRIP LINE SHALL NOT EXCEED THE MAXIMUM RUN LENGTH.

INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

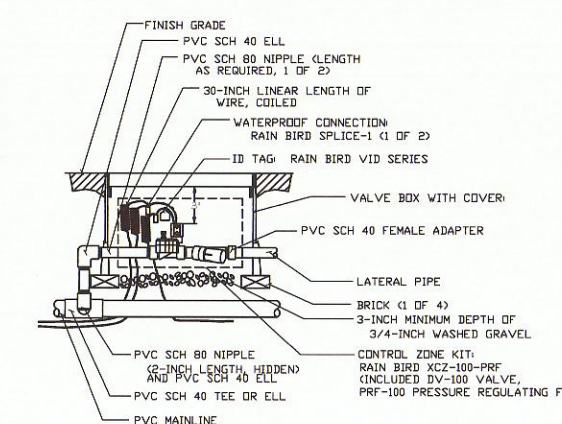
J IRRIGATION TO POTS



J IRRIGATION TO POTS

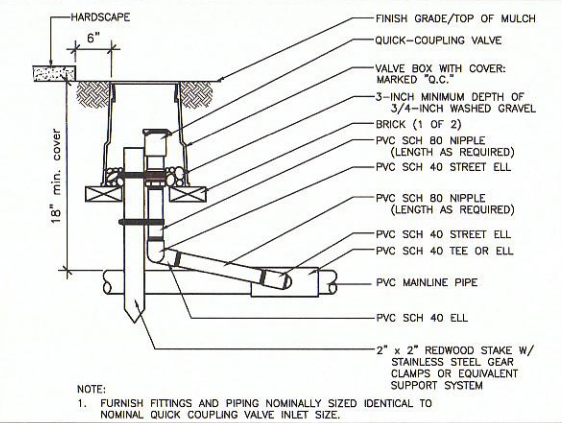


E CONTROL VALVE



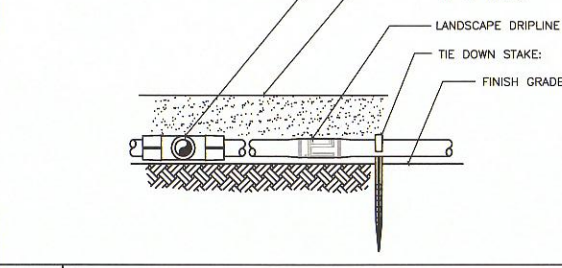
NOTES:
1. TO REPLACE INLINE WYE FILTERS, USE REPLACEMENT FILTER ELEMENTS RAIN BIRD MODELS RBY-150MX DR RBY-200MX.

F DRIP VALVE KIT

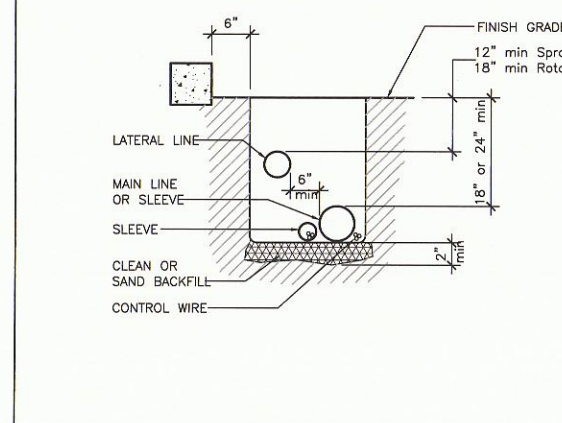


NOTE:
1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

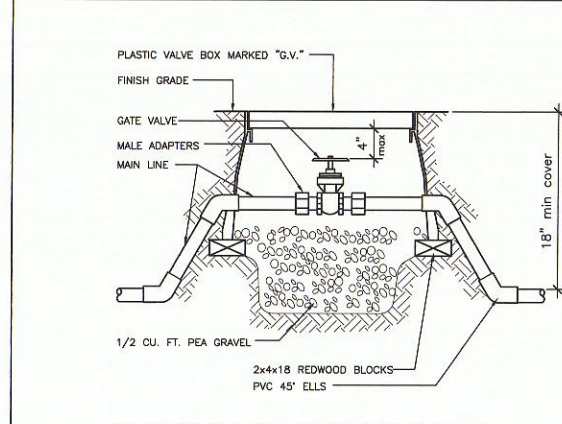
G QUICK COUPLER



H DRIPLINE

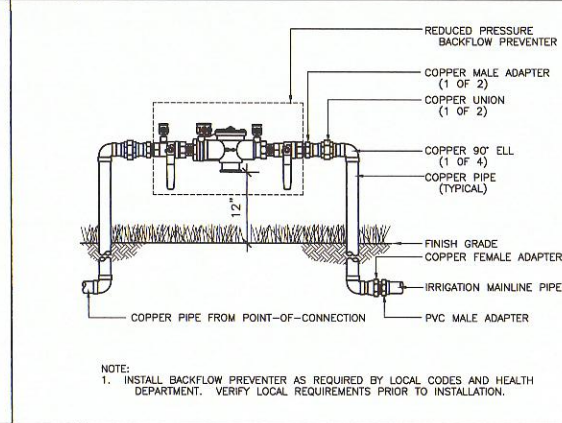


A TRENCHING



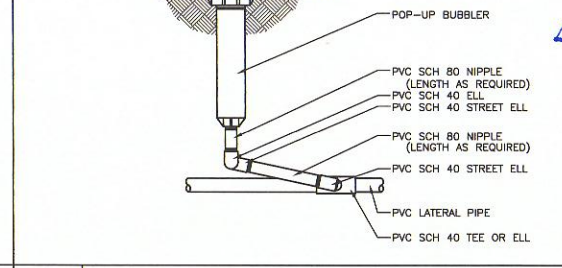
MANUALLY COMPACT ALL SOIL AROUND BOX BEFORE JETTING TRENCH.

B GATE VALVE



NOTE:
1. INSTALL BACKFLOW PREVENTER AS REQUIRED BY LOCAL CODES AND HEALTH DEPARTMENT. VERIFY LOCAL REQUIREMENTS PRIOR TO INSTALLATION.

C BACKFLOW PREVENTER



D POP-UP BUBBLER

(949) 855-4413
LANDSCAPE ARCHITECTURE
25011 Maitland Parkway
PLANNING • RESEARCH
Sube J1.2 - Laguna Hills, CA 92653
SSA STAN SMITH ASSOCIATES

DETAILS
Original drawings scale 3/8" = 1'-0"

VILLAGE ON THE PARKWAY
5100 BELT LINE RD
ADDISON, TX 75244

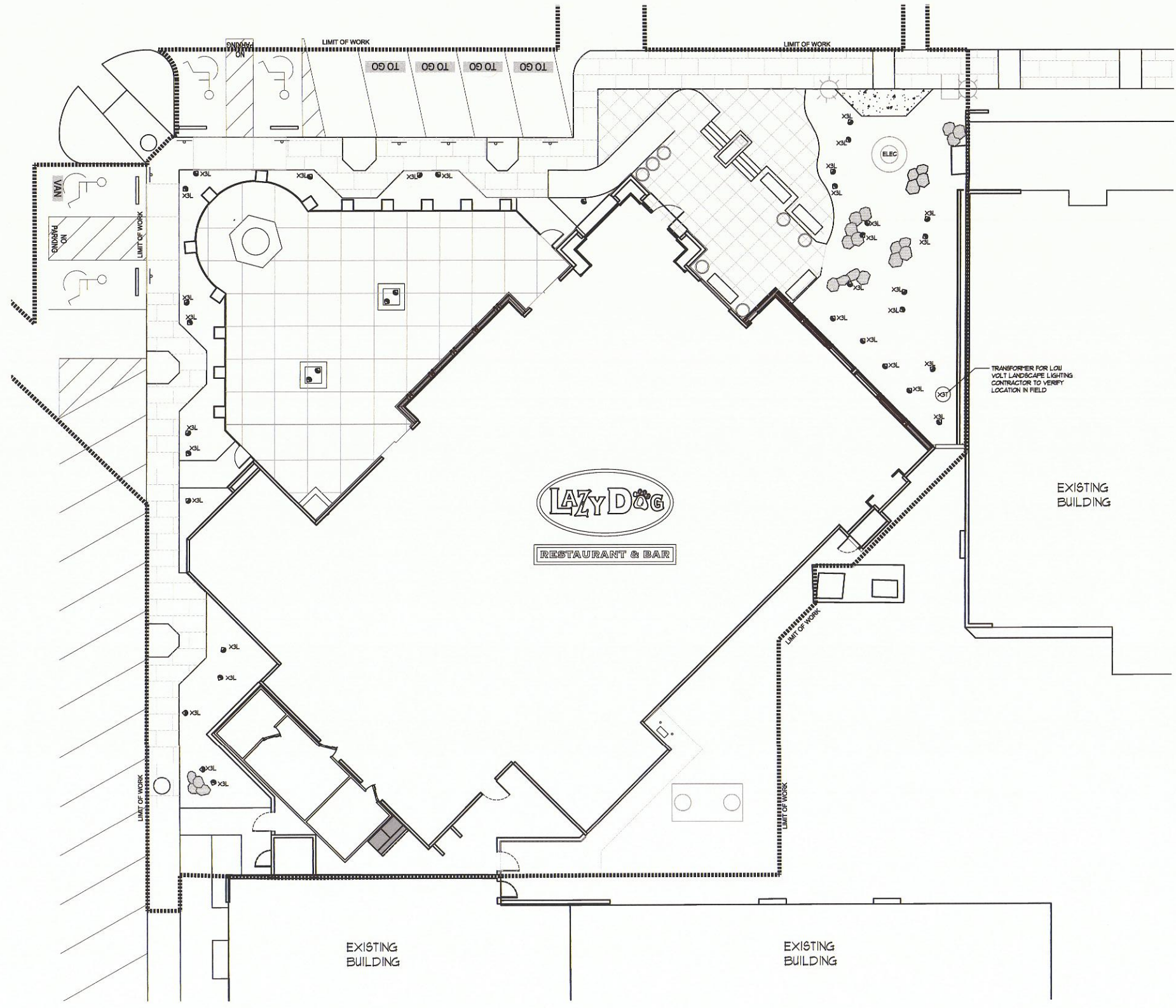
LAY DUG
REPAIR/MAINTENANCE & CARE

Issue Date:
12-1-14

Revisions:
1. DEC 2014 Plan Check Re-Submittal
1. DEC 2014 Bid Set

Scale: NOT TO SCALE
Drawn By: NS
Checked By: SSA
Sheet Number:
L-3

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Town of Addison Parks Dept.
12.17.14



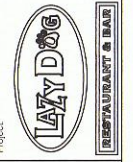
LIGHTING LEGEND

SYMBOL	DESCRIPTION	MFR	MODEL
XSL	MR16 OUTDOOR UPLIGHT WITH GROUND COMMERCIAL LIGHTING POST AND WEATHERED BRONZE FINISH. FED FROM REMOTE TRANSFORMER. FOR USE IN LANDSCAPE AREAS.	FOCUS	XL-25-XC-F24-WP051-DEPNAL-WB MR16-40-801-12-977-25-2 (0022) MR16 Fixed & on 220V, 25 degrees
XST	SEBCO ROCK LIGHTING TRANSFORMER WITH THERM 4 PROTOCOL. 00VAC-8A MAX	SEBCO	1041-D

(949) 855-6413
 FAX 950-4465
SSA
 LANDSCAPE ARCHITECTURE
 23071 Maclinton Parkway
 PLANNING - DESIGN - ARCHITECTURE
 STAN SMITH ASSOCIATES
 Suite 112 - Laguna Hills, CA 92653

Sheet Title
LANDSCAPE LIGHTING PLAN
 Original drawings size is 30" x 42"

Project
LAZY DOG RESTAURANT & BAR
 VILLAGE ON THE PARKWAY
 5100 BELT LINE RD
 ADDISON, TX 7524

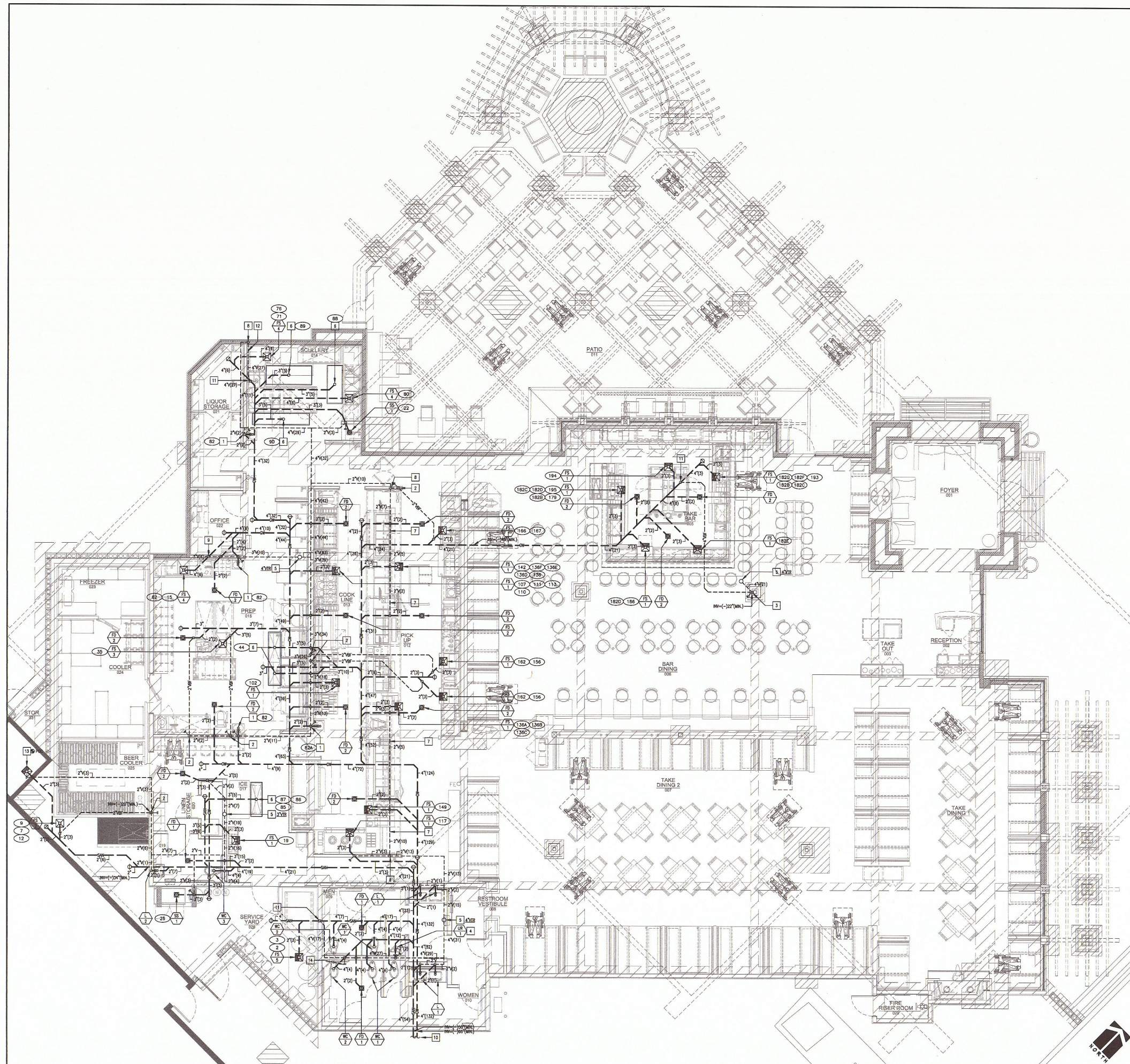


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Scale: 1/8"=1'-0"
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 Sheet Number:
L-4



- PLAN NOTES**
- 2" WASTE DN. & 2" VENT UP FOR SINK - INSTALL WITH WOOD.
 - 2" WASTE DN. TO BELOW FLOOR - INSTALL WITH WOOD.
 - 4" VENT DN. TO BELOW FLOOR - INSTALL WITH WOOD.
 - INSTALL CLEANOUT FOR URINAL ABOVE CEILING IF APPROVED BY LOCAL BLDG. OFFICIAL OR INSTALL CLEANOUT BELOW URINAL - DO NOT INSTALL CLEANOUT IN WALL ABOVE URINAL.
 - VENT UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION - SEE PLAN FOR SIZE OF VENT.
 - CONNECT 3" WASTE TO OUTLET OF TRENCH DRAIN - TRENCH DRAIN PROVIDED BY KEIC AND INSTALLED BY PC.
 - ROUTE VENT BELOW COUNTER/KITCHEN EQUIPMENT - COORDINATE ROUTING WITH KEIC.
 - VENT RISER TO ABOVE CEILING AT THIS LOCATION.
 - 3" VENT ROUTED IN 3-5/8" WALL SHALL BE COPPER DWV PIPE & FITTINGS.
 - SEE CIVIL DRAWINGS FOR CONTINUATION OF 4" SANITARY SEWER & 4" GREASE WASTE - 4" GREASE WASTE TO CONNECT TO 1500 GALLON GREASE INTERCEPTOR - SEE CIVIL DRAWINGS FOR LOCATION OF I - G. MANHOLE SHALL BE INSTALLED "TIGHT" WITH SURROUNDING GRADE.
 - LOCATION OF CIRCUIT VENT.
 - ROUTE VENT EXPOSED BELOW COUNTER - COORDINATE ROUTING WITH KEIC - EXPOSED PORTION OF VENT SHALL BE COPPER DWV VENT PIPE & FITTINGS.
 - EXISTING FLOOR SINK TO REMAIN IN FIRE RISER ROOM - CONNECT NEW 2" SANITARY SEWER INTO EXISTING FLOOR SINK OUTLET - FIELD VERIFY EXACT LOCATION OF FLOOR SINK.
 - INSTALL CLEANOUT FOR WATER CLOSET AT MINIMUM +18" ABOVE FINISHED FLOOR - DO NOT INSTALL CLEANOUT IN WALL ABOVE WATER CLOSET.

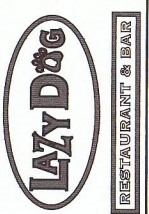
ENGINEERING GROUP, INC.
 Mechanical/Electrical/Plumbing
 1000 W. ORLANDO STREET, SUITE #100
 HOUSTON, TX 77002
 PHONE (713) 947-7100 FAX (713) 941-6000
 CRO PROJECT NUMBER: 235-002



Revision Schedule

Rev	Date	Description
01DEC2014		PLAN CHECK COMMENTS
01DEC2014		LANDLORD COMMENTS
01DEC2014		BD SET

CLIENT:



PROJECT NAME:
LAZY DOG RESTAURANT & BAR
 PROJECT ADDRESS:
 VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254
 BUILDING DEPT. 1ST SUBMITTAL

PROJECT #:
 235-002
 ISSUE DATE:
 10-22-2014

STRUCTURAL SLEEVING NOTE
 ALL PIPES THAT ROUTE THRU/UNDER ANY STRUCTURAL FOOTING/GRADE BEAM SHALL BE SLEEVED IN A SCHEDULE 40 "PVC" SLEEVE TO PROTECT THE PIPING - COORDINATE WITH STRUCTURAL.

CLEANOUT LEGEND

- WOOD = WALL CLEANOUT (CLEANOUT TO BE LINE SIZED)
- FLOOR CLEANOUT/CLEANOUT TO GRADE (CLEANOUT TO BE LINE SIZED)


GENERAL NOTES
 SEE SHEET P1.2 FOR ALL PLAN SPECIFIC GENERAL NOTES

COLD WATER PIPING SIZING CALCULATION							HOT WATER PIPING SIZING CALCULATION						
WATER INFO: CONTACT: -							WATER INFO: CONTACT: -						
P.S.I. AVAILABLE AT (E) WATER MAIN							P.S.I. AVAILABLE AT (E) WATER MAIN						
P.S.I. LOSS THRU (N) 2" WATER METER @ 95 GPM	-4.0	52-60	1/2"	0	0	0	P.S.I. LOSS THRU (N) 2" WATER METER @ 95 GPM	-4.0	52-60	1/2"	0	0	0
P.S.I. LOSS THRU (N) 2 1/2" (RP) BACKFLOW PREVENTER	-12.0	36.0	1"	12	18	0	P.S.I. LOSS THRU (N) 2 1/2" (RP) BACKFLOW PREVENTER	-12.0	36.0	1"	12	18	0
P.S.I. LOSS THRU (N) PIPE RISE (25 FEET @ 0.43)	-10.75	25.25	1 1/4"	23	36	0	P.S.I. LOSS THRU (N) PIPE RISE (25 FEET @ 0.43)	-10.75	25.25	1 1/4"	19	23	0
P.S.I. AVAILABLE AT OUTLET OF (N) BOOSTER PUMP (BP-1)	+54.75	80.0	1 1/2"	36	69	21	P.S.I. AVAILABLE AT OUTLET OF (N) BOOSTER PUMP (BP-1)	+54.75	80.0	1 1/2"	26	44	0
P.S.I. LOSS THRU (N) "P.V.", SET @ 80 PSI	-6.0	74.0	2"	76	254	132	P.S.I. LOSS THRU (N) "P.V.", SET @ 80 PSI	-6.0	74.0	2"	48	119	0
P.S.I. LOSS THRU (N) PIPE RISE (10 FEET @ 0.43)	-4.3	69.7	2 1/2"	115	455	329	P.S.I. LOSS THRU (N) PIPE RISE (10 FEET @ 0.43)	-4.3	69.7	2 1/2"	74	245	0
P.S.I. REQUIRED FOR (N) FIXTURES	-25.0	44.7	3"	-	-	-	P.S.I. REQUIRED FOR (N) SIFT/FILTERED WATER EQUIPMENT	-15.0	54.7	3"	-	-	-
							P.S.I. REQUIRED FOR (N) FIXTURES	-15.0	44.7	3 1/2"	4	-	-
TOTAL PRESSURE LOSS	-62.05						TOTAL PRESSURE LOSS	-62.05					
P.S.I. AVAILABLE FOR FRICTION LOSS	44.7						P.S.I. AVAILABLE FOR FRICTION LOSS	44.7					
AVAILABLE P.S.I. 44.7 x 100 = P.S.I./100 FEET							AVAILABLE P.S.I. 44.7 x 100 = P.S.I./100 FEET						
LENGTH OF RUN = 867 FEET							LENGTH OF RUN = 1367 FEET						
5/8" FEET + 50X (FITTINGS) = 867 FEET							1/2" FEET + 50X (FITTINGS) = 1367 FEET						
LOSS PER 100 FT							LOSS PER 100 FT						
WATER CALCULATION NOTES: 210 TOTAL FIXTURE UNITS (FLUSH VALVE) = 95 GPM TOTAL COLD WATER PIPING SIZED FOR 8 F.P.S. VELOCITY (MAXIMUM)							WATER CALCULATION NOTES: 210 TOTAL FIXTURE UNITS (FLUSH VALVE) = 95 GPM TOTAL HOT WATER PIPING SIZED FOR 5 F.P.S. VELOCITY (MAXIMUM)						

PLAN NOTES

- 3/4" CW @ +10" AFF. TO CARBONATOR/SODA SYSTEM - ITEM #10 - INSTALL WITH WATS #50-A, 1/2" SWANSON SIDE CHECK VALVE ABOVE COUNTER WITH WATS #100. (SEE ELECTRICAL SHEET FOR ANTI-SCALD VALVE). NO COPPER PIPE OR COPPER TUBING SHALL BE INSTALLED CONFORMING TO STAINLESS STEEL CHECK VALVE.
- 3/4" CW @ 3/4" 140T HW @ +36" AFF. TO WOP SINK (SS-1) WITH FAUCET - ITEM #22.
- 3/4" CW @ 3/4" 140T HW @ +36" AFF. TO HOT WASH SINK (SS-1) WITH FAUCET - ITEM #26.
- INSTALL 1/4" TURN SHUT-OFF VALVES AND NIBCO MODEL #5-480-1-LF CHECK VALVES ON HW & CW SUPPLY LINES ABOVE COUNTER TO SHUT-OFF AND ISOLATE WALL MOUNTED FULL FAUCETS - SEE GEN. NOTE #8 ON SHEET P1.2.
- 3/4" CW @ 3/4" 140T HW @ +54" AFF. TO DETECTOR PUMPS - INSTALL WITH WATS #1000 LEAD FREE BACKFLOW PREVENTER ON EACH SUPPLY LINE. HW & CW DETECTOR DRAINS FROM BOTH (B) BACKFLOW PREVENTERS WITH APPROVED 1/2" PIPING TO WOP SINK (SS-1) WITH APPROVED LEGAL AIR GAP - SECURE AND ANCHOR DRAIN FROM (B) BACKFLOW PREVENTER TO WALL TO RESTRICT FLOW.
- 3/4" CW @ 3/4" 140T HW TO FAUCET FOR WORK TABLE - ITEM #35A - INSTALL WITH NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO FAUCET.
- 3/4" CW @ +41" AFF. TO WASHING RWL FAUCET - ITEM #46.
- 3/4" CW @ +51" AFF. TO HOT FILLER - ITEM #59.
- 3/4" CW @ 3/4" 140T HW @ +14" AFF. TO FAUCET FOR POT SINK - ITEM #58A - INSTALL WITH NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO FAUCET.
- 3/4" CW @ 3/4" 140T HW @ +14" AFF. TO PRE-HEAT FAUCET - ITEM #25 - INSTALL WITH NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO FAUCET.
- 1" 140T HW @ +72" AFF. TO DISHWASHER (LOW-TEMPERATURE) - ITEM #76.
- 3/4" CW @ 3/4" 140T HW @ +14" AFF. TO FAUCET FOR POT SINK - ITEM #58B - INSTALL WITH NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO FAUCET.
- 3/4" CW @ 3/4" 140T HW @ +18" AFF. TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO BLENDER SECTION FAUCET - ITEM #160C.
- 1" FW @ +114" AFF. TO ICE MACHINE - ITEM #85.
- 3/4" CW @ +18" AFF. TO SOLED DISINFEST SCRAP TROUGH - ITEM #71.
- 3/4" CW @ +54" AFF. TO POT FILLER - ITEM #105.
- 3/4" HOT HW @ +34" AFF. TO DISPENSER - ITEM #107.
- INSTALL LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE BELOW COUNTER FOR 90T HW TO APPROVED 1/2" PIPING TO WOP SINK (SS-1) WITH APPROVED LEGAL AIR GAP - SECURE AND ANCHOR DRAIN FROM (B) BACKFLOW PREVENTER TO WALL TO RESTRICT FLOW.
- 3/4" CW @ +14" AFF. TO CHINESE WOK RANGE - ITEM #117.
- 3/4" CW @ +14" AFF. TO FAUCET FOR CHINESE WOK RANGE - ITEM #117A.
- 3/4" CW @ 3/4" 140T HW TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO FAUCET (FOR CHECK COUNTER) - ITEM #136G.
- 3/4" 140T HW TO 2" HELL HOT FOOD UNIT - ITEM #142.
- 3/4" HOT HW TO DISPENSER - ITEM #145.
- 3/4" CW @ 3/4" 140T HW @ +14" AFF. TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO BLENDER SECTION FAUCET - ITEM #160C.
- 3/4" CW @ +48" AFF. TO ICE2 TOA BREWER - ITEM #157 - INSTALL WILKINS #700AL LEAD FREE DUAL CHECK VALVE.
- 3/4" CW @ +48" AFF. TO COFFEE BREWER - ITEM #158 - INSTALL WILKINS #700AL LEAD FREE DUAL CHECK VALVE.
- 3/4" CW @ 3/4" 140T HW @ +14" AFF. TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO BLENDER SECTION FAUCET - ITEM #160C.
- 3/4" HOT HW @ +20" AFF. TO DISPENSER - ITEM #167.
- 3/4" CW @ 3/4" 140T HW TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO BLENDER SECTION FAUCET - ITEM #160C.
- 3/4" CW @ 3/4" 140T HW TO FOUR COMPARTMENT BAR SINK FAUCET - ITEM #182E - INSTALL WITH NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO FAUCET.
- 3/4" CW @ 3/4" 140T HW TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH NIBCO MODEL #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO HAND SINK FAUCET - ITEM #182F.
- 1" 140T HW @ +72" AFF. TO GLASSWASHER - ITEM #186.
- 1" CW @ BLANDED SINK - ITEM #191 - INSTALL WITH NIBCO S-480-1-LF CHECK VALVE ON FILTERED COLD WATER SUPPLY TO GLASS WASH.
- INSTALL WATS 223 SERIES PRESSURE REGULATOR BELOW ISLAND BAR - SET AT 15 PSI (MAX).
- INSTALL NEW GAS-FIRED WATER HEATER (HW-1) ON HOUSE-KEEPING PAD - ROUTE DRAIN FROM SMITTY PAN AND 1/2" CONDENSATE DRAIN TO EXTERIOR THROUGH EXISTING VENTILATION.
- 140T HOT WATER RE-CIRCULATION PUMP (CP-1) - INTERNAL WITH 7-DAY PROGRAMMABLE TIME CLOCK - SET TIME CLOCK TO TURN PUMP ON WHEN RESTAURANT OPENS & TURN OFF WHEN CLOSED.
- LOCATION OF 7-DAY PROGRAMMABLE TIME CLOCK FOR 140T HOT WATER RE-CIRC PUMP (CP-1) - MOUNT THE CLOCK TO TURN PUMP ON WHEN RESTAURANT OPENS AND TO TURN PUMP OFF WHEN RESTAURANT CLOSING. THE CLOCK SHOULD BE INSTALLED AND INSTALLED BY THE PLUMBING CONTRACTOR WORKING WITH THE ELECTRICAL CONTRACTOR.
- SEE SDP/FILTERED WATER SCHEMATIC (2/P1.1) ON P1.1 FOR PLUMBING & FILTERED WATER EQUIPMENT & SDP/FILTERED WATER EQUIPMENT SHALL DRAIN TO FLOOR SINK WITH 1/2" AIR GAP.
- SEE CIVIL DRAWINGS FOR CONTINUATION.
- INSTALL ISOLATION 1/4" TURN VALVES ABOVE THE CEILING TO ISOLATE PLUMBING ZONES (TYPICAL) - ABOVE CEILING IN KITCHEN AND BACK OF HOUSE AREAS - SEE GENERAL NOTE #85 ON SHEET P1.2.
- 3/4" CW @ 3/4" 140T HW TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH 1/4" TURN SHUT-OFF VALVES & NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO LAUNDRY FAUCETS (SEE PLAN NOTE #44 THIS SHEET).
- 1 1/2" CW TO WATER CLOSET - INSTALL WATER HAMMERS ARRESTORS TYPICAL AT ALL URINALS.
- 1 1/4" CW TO URINAL - INSTALL WATER HAMMERS ARRESTORS TYPICAL AT ALL URINALS.
- 3/4" 140T HW @ +24" AFF. TO LAUNDRY FAUCET (L-1) - CONNECT TO BOTH SUPPLIES OF FAUCET.
- SUPPLY PIPING BELOW THE FLOOR - ALL PIPING BELOW FLOOR SHALL BE SOFT DRAWN COPPER PIPE WITH NO JOINTS OR FITTINGS AND SHALL BE INSTALLED IN A 6" HD POLY SLEEVE INSTALLED OVER INSULATION & HD POLY SLEEVE SHALL TERMINATE AT A.F.F.
- ROUTE SUPPLY PIPING THRU BAR WALL. COORDINATE ROUTING OF SUPPLY PIPING WITH MILLWORK CONTRACTOR, ELECTRICAL CONTRACTOR, AND KITCHEN EQUIPMENT CONSULTANT PRIOR TO INSTALLATION.
- 3/4" CW ON HANG UP THRU ROOF - SEE SHEET P53 FOR CONTINUATION.
- 3/4" CW @ +107" 120T HW ON TO +24" AFF. - SEE 3/4" CW @ 3/4" 140T HW TO LEANING #370-LF LEAD FREE THERMOSTATIC MIXING VALVE. INSTALL WITH 1/4" TURN SHUT-OFF VALVES & NIBCO #5-480-1-LF CHECK VALVES ON HOT & COLD WATER SUPPLY LINES TO THE MIXING VALVE - SEE 3/4" CW @ 3/4" 110T HW TO LAUNDRY FAUCETS (SEE PLAN NOTE #44 THIS SHEET). THE PLUMBING CONTRACTOR SHALL ROUTE 1/2" 140T HW LINES ON TO +24" AFF. TO KEEP RE-CIRCULATION SYSTEM AS CLOSE AS POSSIBLE TO LAUNDRY FAUCETS.
- INSTALL TRAP PRIMER VALVE (TP-2) EXPOSED ON WALL @ +48" (MINIMUM).
- INSTALL WATS #1298A 3/4" LEAD FREE ANTI-SIPHON VACUUM BREAKER ON WALL @ +52" AFF. FOR SOLED DISINFEST SCRAP TROUGH - ITEM #71 - THE PLUMBING CONTRACTOR (P.C.) SHALL VERIFY THE EXACT LOCATION OF VACUUM BREAKER ON-SITE WITH THE KITCHEN EQUIPMENT CONSULTANT (K.E.C.).
- INSTALL 1/4" TURN SHUT-OFF VALVE IN EASILY ACCESSIBLE LOCATION NEAR FRONT OF COUNTER.
- 3/4" CW @ +127" 140T HW ON TO +24" AFF. - SEE 3/4" CW @ 3/4" 140T HW TO THERMOSTATIC MIXING VALVE. SEE PLAN NOTE #44 THIS SHEET FOR MORE INFORMATION - THE PLUMBING CONTRACTOR SHALL ROUTE 1/2" 140T HW LINES ON TO +24" AFF. TO KEEP RE-CIRCULATION SYSTEM AS CLOSE AS POSSIBLE TO LAUNDRY FAUCETS.
- SUPPLY AND INSTALL WATS #1000 2 1/2" LEAD FREE (RP) BACKFLOW PREVENTER @ +24" AFF. IN HEATED BACKLON ENCLOSURE - INSTALL SENTRY BACKLON CABLE GUARD (SCG) TO PREVENT BACKLON FROM (B) BACKFLOW PREVENTER TO SPILL TO FINISHED GRADE WITH A CODE REQUIRED LEGAL AIR GAP.
- SUPPLY AND INSTALL WATS #96-83 HEATED AND INSULATED BACKFLOW PREVENTER (ELECTRICAL EQUIPMENT), L2000, L-100 - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 5" HIGH CONCRETE HOUSE KEEPING PAD - SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE SHEET P101.2 FOR WATER PRESSURE BOOSTER PUMP (BP-1) SPECIFICATION/SCHEMATIC - WATER PRESSURE BOOSTER PUMP ASSEMBLY TO BE SUSPENDED FROM STRUCTURAL DIMENSIONS.
- INSTALL WILKINS MODEL #003FC 2 1/2" WATER PRESSURE REDUCING VALVE WITH 2 1/2" FLANGED CONNECTIONS AFTER THE WATER PRESSURE BOOSTER PUMP (SEE PLAN NOTE #52 THIS SHEET). FIELD SET 2 1/2" @ 80 PSI. WATER PRESSURE REDUCING VALVE IS 7.5 PSI TO 12.5 PSI SPRING RANGE.
- INSTALL 1/4" TURN BY-PASS SHUT-OFF VALVE FOR WATER PRESSURE BOOSTER PUMP (BP-1) - VALVE TO REMAIN IN OPEN POSITION.
- 1" CW 3/4" FW @ 3/4" 140T HW ON IN WALL - SEE 1" CW @ 3/4" 140T HW @ +34" AFF. - EXTEND 1" CW, 3/4" FW, & 3/4" 140T HW ON TO BELOW FLOOR. INSTALL PIPING PER PLAN NOTE #45 THIS SHEET.
- 1 1/4" 140T HW ON TO BELOW FLOOR. INSTALL PIPING PER PLAN NOTE #45 THIS SHEET.
- 3/4" CW @ 1 1/4" 140T HW ON IN WALL - SEE OFF TO FIXTURES AS INDICATED ON THIS PLAN.
- 3/4" CW ON IN WALL - SEE OFF TO FIXTURES AS INDICATED ON THIS PLAN.
- 3/4" FW ON TO BELOW FLOOR. INSTALL PIPING PER PLAN NOTE #45 THIS SHEET.
- 1 1/2" CW, 3/4" FW, & 1 1/2" 140T HW ON TO BELOW FLOOR. INSTALL PIPING PER PLAN NOTE #45 THIS SHEET.
- 1 1/4" CW @ 1 1/2" 140T HW ON TO BELOW FLOOR. INSTALL PIPING PER PLAN NOTE #45 THIS SHEET.
- 3/4" CW @ +127" 140T HW ON TO +24" AFF. - SEE 3/4" CW @ 3/4" 140T HW ON TO BELOW FLOOR. INSTALL ALL PIPING BELOW FLOOR PER PLAN NOTE #45 THIS SHEET - THE PLUMBING CONTRACTOR SHALL ROUTE 1/2" 140T HW LINES ON TO +24" AFF. TO KEEP RE-CIRCULATION SYSTEM AS CLOSE AS POSSIBLE TO THE FAUCET FOR WORK TABLE - ITEM #35A.

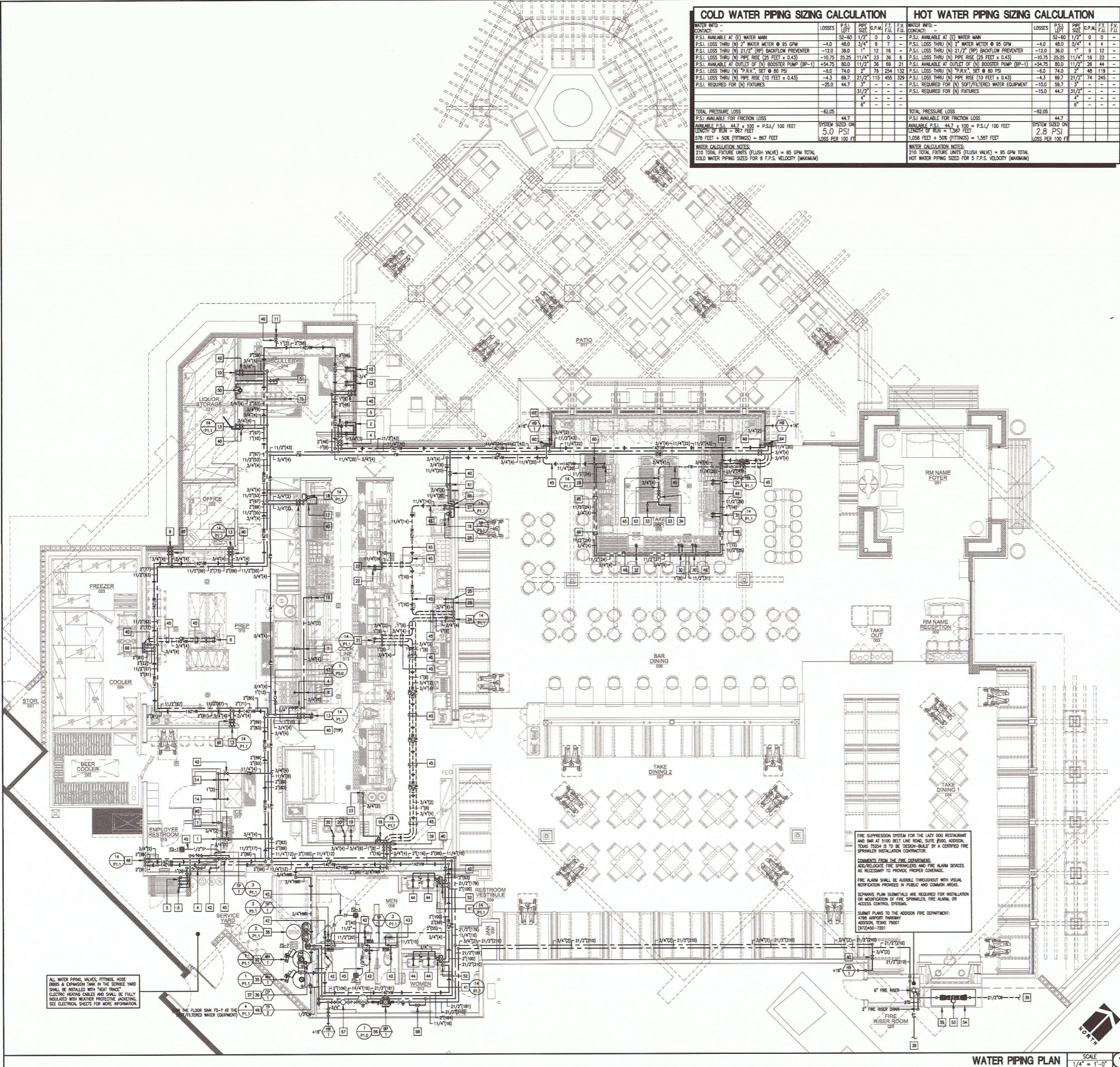
ENGINEERING GROUP, INC.
Professional Engineer/Architect
18652 FLORIDA STREET, SUITE #100
MCKINNEY, TEXAS 75069
PHONE (714) 487-7100 FAX (714) 484-5600
CRO PROJECT NUMBER: 235-002

ENGINEER OF RECORD

Stephen D. Heath, License #46799
Expiration Date: 12/31/24

Revision Schedule	
Rev.	Description
010202014	PLAN CHECK COMMENTS
010202014	LANDLORD COMMENTS
010202014	NO SET

PROJECT NAME:
LAZY DOG RESTAURANT & BAR
PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254
BUILDING DEPT. 1ST SUBMITTAL

PROJECT #:
235-002
ISSUE DATE:
10-22-2014
SHEET TITLE:
WATER PIPING PLAN
SHEET NUMBER:
P3.0



WATER PIPING PLAN SCALE 1/4" = 1'-0"

WATER PIPING INSTALLATION NOTE
THE PLUMBING CONTRACTOR SHALL INSTALL ALL WATER PIPING FULL SIZE AS INDICATED ON THIS PLAN IN ORDER TO KEEP THE VELOCITY OF THE WATER FLOWING IN THE COPPER LINES TO 5 FEET PER SECOND (MAXIMUM) FOR ALL HOT WATER SUPPLY LINES AND 8 FEET PER SECOND (MAXIMUM) FOR ALL COLD WATER SUPPLY LINES. THE PLUMBING CONTRACTOR SHALL REDUCE THE SIZE OF THE WATER LINES TO THE CONNECTION SIZE FOR EACH FIXTURE AT EACH FIXTURE. THE PLUMBING CONTRACTOR SHALL REDUCE THE SIZE OF THE WATER LINES TO THE CONNECTION SIZE FOR EACH FIXTURE AT EACH FIXTURE. THE PLUMBING CONTRACTOR SHALL REDUCE THE SIZE OF THE WATER LINES TO THE CONNECTION SIZE FOR EACH FIXTURE AT EACH FIXTURE. THE PLUMBING CONTRACTOR SHALL REDUCE THE SIZE OF THE WATER LINES TO THE CONNECTION SIZE FOR EACH FIXTURE AT EACH FIXTURE.

GENERAL NOTES
SEE SHEET P1.2 FOR ALL PLAN SPECIFIC GENERAL NOTES

ALL WATER PIPING, VALVES, FITTINGS, HOSE ENDS & EXPANSION TANK IN THE SERVICE HOSE SHALL BE INSTALLED WITH "HEAT TRACE" ELECTRICAL HEATING CABLES AND SHALL BE FULLY INSULATED WITH INSULATION PROTECTING AGAINST SEE ELECTRICAL SHEETS FOR MORE INFORMATION.

IF THE FLOOR SINK (FS-1) AT THE (B) FILTERED WATER EQUIPMENT

FIRE SUPPRESSION SYSTEM FOR THE LAZY DOG RESTAURANT AND BAR AT 5100 BELT LINE ROAD, SUITE 500, ADDISON, TEXAS 75254 IS TO BE DESIGN-BUILT BY A CERTIFIED FIRE SPRINKLER INSTALLATION CONTRACTOR.

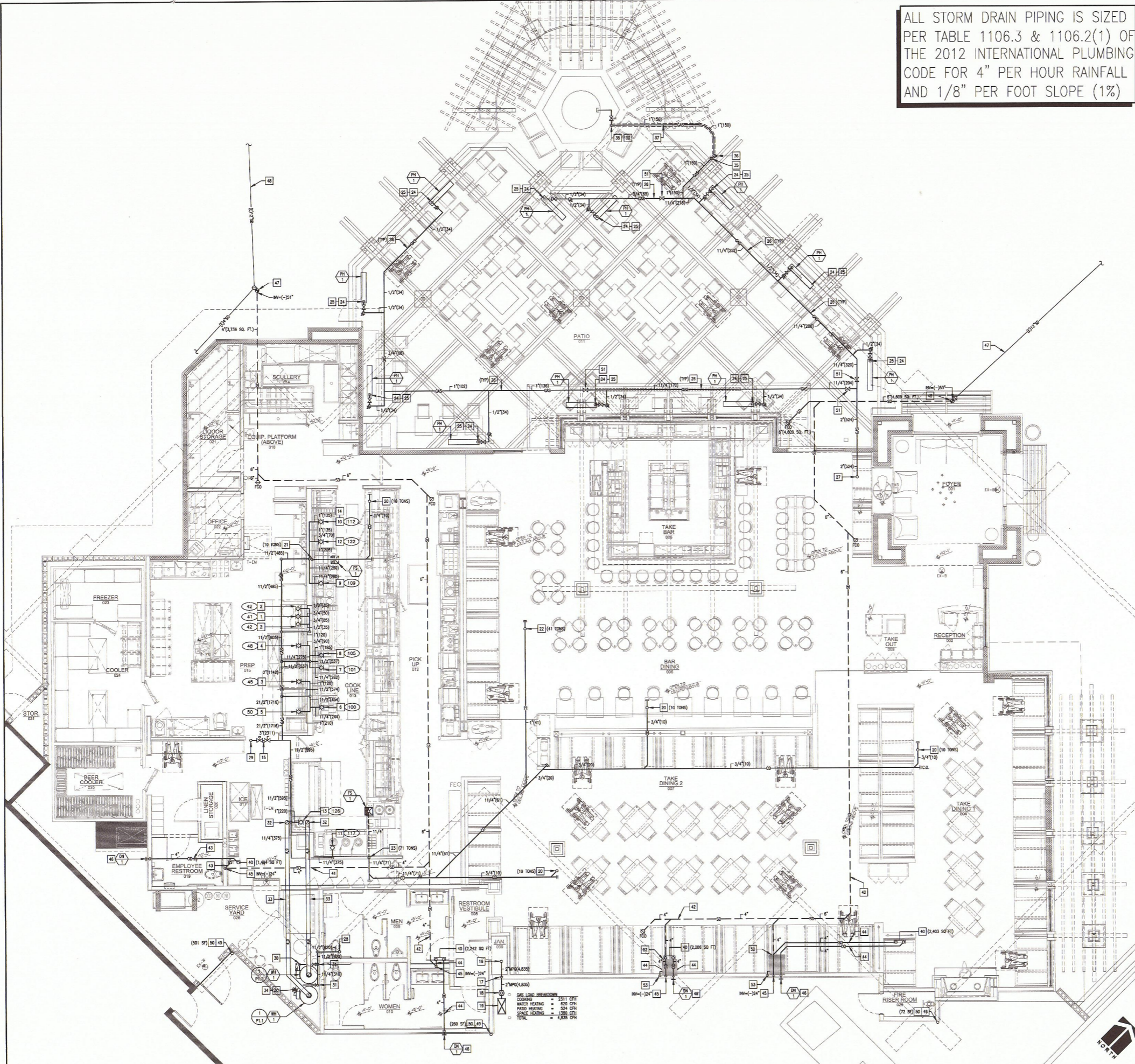
COMMENT FROM THE FIRE DEPARTMENT:
RELOCATE FIRE SPRINKLER AND FIRE ALARM DEVICES AS NECESSARY TO PROVIDE PROPER COVERAGE.

FIRE ALARM SHALL BE INSTALLED THROUGHOUT WITH VISUAL NOTIFICATION PROVIDED IN PUBLIC AND COMMON AREAS.

SEPARATE PLAN SUBMITTALS ARE REQUIRED FOR INSTALLATION OR MODIFICATION OF FIRE SPRINKLER, FIRE ALARM, OR ACCESS CONTROL SYSTEMS.

SUBMIT PLANS TO THE ADDISON FIRE DEPARTMENT:
4798 AIRPORT PARKWAY
ADDISON, TEXAS 75001
(972) 450-7201

ALL STORM DRAIN PIPING IS SIZED PER TABLE 1106.3 & 1106.2(1) OF THE 2012 INTERNATIONAL PLUMBING CODE FOR 4" PER HOUR RAINFALL AND 1/8" PER FOOT SLOPE (1%)



PLAN NOTES

- 3/4" GAS PIPING @ +12" A.F.F. TO CONNECTION OPEN ITEM #1 (30 CFH).
- 1/2" GAS PIPING @ +12" A.F.F. TO RICE COOKER ITEM #2 (25 CFH).
- 1" GAS PIPING @ +12" A.F.F. TO BRASSING PAN ITEM #3 (120 CFH).
- 3/4" GAS PIPING @ +12" A.F.F. TO BRASSING PAN ITEM #4 (30 CFH).
- 1" GAS PIPING @ +12" A.F.F. TO 6-OPEN BURNER RANGE WITH OVEN ITEM #5 (210 CFH).
- 1 1/4" GAS PIPING @ +12" A.F.F. TO FRYER BATTERY ITEM #100 (244 CFH).
- 1 1/4" GAS PIPING @ +12" A.F.F. TO FRYER BATTERY ITEM #101 (282 CFH).
- 1" GAS PIPING @ +34" A.F.F. TO BROILER WITH OVEN ITEM #105 (185 CFH).
- 1 1/4" GAS PIPING @ +32" A.F.F. TO 8-OPEN BURNER RANGE ITEM #108 (280 CFH).
- 1" GAS PIPING @ +32" A.F.F. TO BROILER ITEM #112 (135 CFH).
- 1 1/4" GAS PIPING @ +14" A.F.F. TO CHINESE WOK RANGE ITEM #117 (375 CFH).
- 3/4" GAS PIPING @ +82" A.F.F. TO CHEESEMELTER ITEM #122 (70 CFH).
- 1" GAS PIPING @ +18" A.F.F. TO PIZZA OVEN ITEM #126 (220 CFH).
- 1 1/2" GAS PIPING @ +18" A.F.F. TO PIZZA OVEN ITEM #126 (220 CFH).
- FIGURE IS APPROXIMATELY 75 FEET FROM GAS PRESSURE REGULATOR - GAS PIPING FOR COOK LINE IS SIZED PER TABLE 402.4(2) OF THE 2012 IPC FOR 80 FEET AT 7" W.C. (1/4 PSI) PRESSURE.
- 3" GAS COOK AND MECHANICAL SOLVED GAS VALVE INSTALLED ABOVE T-BAR CEILING FOR HOOD FIRE PROTECTION SYSTEM (SEE DETAIL #5 ON SHEET K-3.0 FOR ADDITIONAL INFORMATION) - GAS VALVES ARE INSTALLED BY PLUMBING CONTRACTOR (P.C.) (2.311 CFH TOTAL) - LABEL T-BAR CEILING TILE HOOD VALVES ABOVE CEILING - SEE GENERAL NOTE #50 ON SHEET P1.2.
- 2" WPG PIPING (4.55 CFH) UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 2" WPG PIPING (4.55 CFH) ON EXTERIOR WALL TO NEW GAS METER ASSEMBLY.
- PROVIDE AND INSTALL PACIFIC SEISMIC MODEL #319F 2" FLANGED HORIZONTAL GAS SEISMIC SHUT-OFF VALVE - COORDINATE INSTALLATION OF SEISMIC VALVE WITH THE LOCAL GAS COMPANY.
- LOCATION OF NEW GAS METER ASSEMBLY - GAS METER IS PROVIDED & INSTALLED BY LOCAL GAS COMPANY - ALL GAS PIPING IN THE BUILDING IS SIZED PER TABLE 402.4(2) OF THE 2012 INTERNATIONAL FUEL GAS CODE FOR 200 FEET @ 2-PSI MEDIUM PRESSURE GAS - GAS METER SHALL BE IDENTIFIED WITH 2" HIGH STENCILLED SITE MARKERS - ALL GAS PIPING AND FITTINGS SHALL BE PAINTED IN ACCORDANCE WITH BUILDING STANDARDS.

Revision Schedule

Date	Description
01062014	PLAN CHECK COMMENTS
01062014	LANDLORD COMMENTS
01062014	BD SET

- 3/4" CONDENSATE DRAIN PIPING UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 3/4" CONDENSATE DRAIN PIPING ON IN WALL - SPILL TO FLOOR SINK WITH A 1 1/2" LEGAL AIR GAP.
- 1" CONDENSATE DRAIN PIPING UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 1 1/4" CONDENSATE DRAIN PIPING ON IN WALL - SPILL TO FLOOR SINK WITH A 2" LEGAL AIR GAP.
- LOCATION OF GAS-FIRED PATIO HEATER (PH-1).
- 1 1/2" GAS TO CEILING MOUNTED PATIO HEATER (34 CFH) - INSTALL 1/4" TURN SHUT-OFF VALVE DIRECTLY ABOVE PATIO HEATER AND ROUTE GAS ABOVE HEATER TO GAS CONNECTION TO PATIO HEATER - DO NOT USE FLEX PIPE TO MAKE FINAL CONNECTION - PAINT EXPOSED GAS PIPING BLACK - INSTALL WITH GAS LINE TO PATIO HEATER.
- ROUTE GAS PIPING ON TOP OF PATIO TRELLIS FRAMING - PAINT GAS PIPING TO MATCH TRELLIS FRAMING.
- 2" GAS PIPING (324 CFH) UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 1 1/2" GAS PIPING (850 CFH) UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 3" GAS PIPING (2,311 CFH) UP THRU ROOF - SEE SHEET P5.0 FOR CONTINUATION.
- 1 1/4" GAS PIPING TO WATER HEATER (310 CFH) - INSTALL WITH DIRT LEG (SEDIMENT TRAP) ON GAS LINE TO WATER HEATER.
- INSTALL 1/4" TURN SHUT-OFF VALVE DIRECTLY ABOVE WATER HEATER AND ROUTE GAS ABOVE WATER HEATER TO GAS CONNECTION (310 CFH) - HARD PIPE CONNECTION TO WATER HEATER - DO NOT USE FLEX PIPE TO MAKE FINAL CONNECTION - PAINT EXPOSED GAS PIPING BLACK.
- 4" TYPE "B" FLEX UP THRU ROOF (SEE SHEET P5.0 FOR CONTINUATION) - FLEX SHALL TERMINATE 10'-0" (MIN) FROM ANY OUTSIDE AIR INTAKE & 8'-0" (MIN) FROM ANY VERTICAL SURFACES.
- SLOPE 6" TYPE "B" WATER HEATER FLEX UPWARDS TOWARDS ROOF PENETRATION.
- FIGURE IS APPROXIMATELY 43 FEET FROM GAS PRESSURE REGULATOR - GAS PIPING FOR WATER HEATER IS SIZED PER TABLE 402.4(2) OF THE 2012 INTERNATIONAL FUEL GAS CODE FOR 50 FEET AT 7" W.C. (1/4 PSI) PRESSURE.
- 1" GAS ON IN WALL - PENETRATE EXTERIOR WALL @ +18" ABOVE FINISHED GRADE.
- 1" PIPING ON TO BELOW PATIO SLAB ON GRADE WITH 1/4" TURN SHUT-OFF VALVE ON DROP - GAS PIPING SHALL TRANSITION FROM SCHEDULE 40 BLACK STEEL PIPE WITH WALLEABLE IRON FITTINGS TO PLDCCO GAS PIPE 10R-11 IPS.
- GAS PIPING INSTALLED BELOW SLAB ON GRADE SHALL BE PLDCCO GAS PIPE 10R-11 IPS.
- 1" 10R-11 IPS GAS PIPING (150 CFH) UP FROM BELOW GRADE TO CUSTOM PATIO FIRE FEATURE (BY OTHERS) - THE PLUMBING CONTRACTOR SHALL INSTALL KEY OPERATED 1/4" TURN GAS SHUT-OFF VALVE - INSTALL KEY OPERATED 1/4" TURN SHUT-OFF VALVE IN EASILY ACCESSIBLE LOCATION.
- FIGURE IS APPROXIMATELY 143 FEET FROM GAS PRESSURE REGULATOR - GAS PIPING FOR FIRE FEATURE IS SIZED PER TABLE 402.4(2) OF THE 2012 INTERNATIONAL FUEL GAS CODE FOR 150 FEET AT 7" W.C. (1/4 PSI) PRESSURE.
- 4" STORM DRAIN & OVERFLOW DRAIN UP TO ROOF DRAIN (00-1) AND OVERFLOW DRAIN (00-1) - SEE SHEET P5.0 FOR LOCATION OF ROOF DRAIN (00-1) AND OVERFLOW DRAIN (00-1).
- SLOPE THIS PORTION OF STORM DRAIN PIPING BELOW GRADE 1/8" PER FOOT (1%) MINIMUM.
- SLOPE THIS PORTION OF STORM DRAIN PIPING BELOW GRADE 1/4" PER FOOT (2%) MINIMUM.
- SLOPE THIS PORTION OF STORM DRAIN PIPING ABOVE CEILING 1/8" PER FOOT (1%) MINIMUM.
- SLOPE THIS PORTION OF OVERFLOW DRAIN PIPING ABOVE CEILING 1/4" PER FOOT (2%) MINIMUM.
- 4" STORM DRAIN PIPING DOWN IN WALL TO BELOW GRADE.
- 4" OVERFLOW DRAIN DOWN IN WALL TO DOWNSPOUT NOZZLE (OH-1) @ +10" A.F.F. (MINIMUM).
- DESIGN 12" HPIE STORM DRAIN WALL BELOW FINISHED GRADE - FIELD VERY EXISTING - SEE SHELL LANDLORD FOR CHANGE FOR MORE INFORMATION.
- POINT OF CONNECTION OF NEW 6" STORM DRAIN INTO LANDLORD PROVIDED & INSTALLED 12" STORM DRAIN BELOW GRADE - THE PLUMBING CONTRACTOR SHALL FIELD VERIFY THE EXIST. SIZE, LOCATION, DEPTH & CONDITION OF THE EXIST. PROVIDED & INSTALLED STORM DRAIN PRIOR TO THE START OF ANY NEW WORK AND PRIOR TO BID AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT AND OWNER OF ANY DISCREPANCIES.
- 3" GUTTER DOWNSPOUT UP - SEE SHEET P5.0 FOR CONTINUATION.
- 3" GUTTER DOWNSPOUT ON TO SPILL ON GRADE WITH SPLASH BLOCK.
- INSTALL ISOLATION 1/4" TURN BALL VALVES ABOVE THE CEILING OR TRELLIS AREAS TO ISOLATE INDIVIDUAL GAS SYSTEMS - INSTALL RED PLASTIC LABELS WITH WHITE LETTERS ON CEILING TILE INDICATING MAIN GAS ISOLATION SHUT-OFF VALVE ABOVE THE CEILING FOR KITCHEN AND BACK OF HOUSE AREAS ONLY.
- SHADED AREA REPRESENTS SHEET METAL EMERGENCY DRIP PAN.
- EMERGENCY DRIP PAN DRAIN DOWN IN WALL - SPILL AT +8" ABOVE FINISHED GRADE.

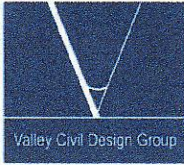
STORM DRAIN SIZING TABLES (2012 IPC)

TABLE 1106.3
SIZE OF HORIZONTAL STORM DRAINAGE PIPING

SIZE OF PIPING (inches)	HORIZONTALLY PROJECTED ROOF AREA (square feet)					
	1	2	3	4	5	6
3	3,288	1,844	1,096	622	357	248
4	13,200	8,380	4,980	2,960	1,504	1,055
6	21,408	10,700	7,153	3,340	2,072	2,227
8	40,000	23,000	15,333	11,000	9,200	7,600
10	82,900	41,400	27,600	20,700	16,500	13,800
12	133,200	69,600	44,600	33,200	26,000	22,000
15	218,000	109,000	72,800	59,500	47,600	39,650

TABLE 1106.2(1)
SIZE OF CIRCULAR VERTICAL STORM DRAINS AND LEADERS

DEPTH (feet)	HORIZONTALLY PROJECTED ROOF AREA (square feet)					
	1	2	3	4	5	6
12	1,200	1,100	1,000	900	800	700
15	1,500	1,400	1,300	1,200	1,100	1,000
18	1,800	1,700	1,600	1,500	1,400	1,300
21	2,100	2,000	1,900	1,800	1,700	1,600
24	2,400	2,300	2,200	2,100	2,000	1,900
27	2,700	2,600	2,500	2,400	2,300	2,200
30	3,000	2,900	2,800	2,700	2,600	2,500
33	3,300	3,200	3,100	3,000	2,900	2,800
36	3,600	3,500	3,400	3,300	3,200	3,100
39	3,900	3,800	3,700	3,600	3,500	3,400
42	4,200	4,100	4,000	3,900	3,800	3,700
45	4,500	4,400	4,300	4,200	4,100	4,000
48	4,800	4,700	4,600	4,500	4,400	4,300
51	5,100	5,000	4,900	4,800	4,700	4,600
54	5,400	5,300	5,200	5,100	5,000	4,900
57	5,700	5,600	5,500	5,400	5,300	5,200
60	6,000	5,900	5,800	5,700	5,600	5,500
63	6,300	6,200	6,100	6,000	5,900	5,800
66	6,600	6,500	6,400	6,300	6,200	6,100
69	6,900	6,800	6,700	6,600	6,500	6,400
72	7,200	7,100	7,000	6,900	6,800	6,700
75	7,500	7,400	7,300	7,200	7,100	7,000
78	7,800	7,700	7,600	7,500	7,400	7,300
81	8,100	8,000	7,900	7,800	7,700	7,600
84	8,400	8,300	8,200	8,100	8,000	7,900
87	8,700	8,600	8,500	8,400	8,300	8,200
90	9,000	8,900	8,800	8,700	8,600	8,500
93	9,300	9,200	9,100	9,000	8,900	8,800
96	9,600	9,500	9,400	9,300	9,200	9,100
99	9,900	9,800	9,700	9,600	9,500	9,400
102	10,200	10,100	10,000	9,900	9,800	9,700
105	10,500	10,400	10,300	10,200	10,100	10,000
108	10,800	10,700	10,600	10,500	10,400	10,300
111	11,100	11,000	10,900	10,800	10,700	10,600
114	11,400	11,300	11,200	11,100	11,000	10,900
117	11,700	11,600	11,500	11,400	11,300	11,200
120	12,000	11,900	11,800	11,700	11,600	11,500
123	12,300	12,200	12,100	12,000	11,900	11,800
126	12,600	12,500	12,400	12,300	12,200	12,100
129	12,900	12,800	12,700	12,600	12,500	12,400
132	13,200	13,100	13,000	12,900	12,800	12,700
135	13,500	13,400	13,300	13,200	13,100	13,000
138	13,800	13,700	13,600	13,500	13,400	13,300
141	14,100	14,000	13,900	13,800	13,700	13,600
144	14,400	14,300	14,200	14,100	14,000	13,900
147	14,700	14,600	14,500	14,400	14,300	14,200
150	15,000	14,900	14,800	14,700	14,600	14,500
153	15,300	15,200	15,100	15,000	14,900	14,800
156	15,600	15,500	15,400	15,300	15,200	15,100
159	15,900	15,800	15,700	15,600	15,500	15,400
162	16,200	16,100	16,000	15,900	15,800	15,700
165	16,500	16,400	16,300	16,200	16,100	16,000
168	16,800	16,700	16,600	16,500	16,400	16,300
171	17,100	17,000	16,900	16,800	16,700	16,600
174	17,400	17,300	17,200	17,100	17,000	16,900
177	17,700	17,600	17,500	17,400	17,300	17,200
180	18,000	17,900	17,800	17,700	17,600	17,500
183	18,300	18,200	18,100	18,000	17,900	17,800
186	18,600	18,500	18,400	18,300	18,200	18,100
189	18,900	18,800	18,700	18,600	18,500	18,400
192	19,200	19,100	19,000	18,900	18,800	18,700
195	19,500	19,400	19,300	19,200	19,100	19,000
198	19,800	19,700	19,600	19,500	19,400	19,300
201	20,100	20,000	19,900	19,800	19,700	19,600
204	20,400	20,300	20,200	20,100	20,000	19,900
207	20,700	20,600	20,500	20,400	20,300	20,200
210	21,000	20,900	20,800	20,700	20,600	20,500
213	21,300	21,200	21,100	21,000	20,900	20,800
216	21,600	21,500	21,400	21,300	21,200	21,100
219	21,900	21,800	21,700	21,600	21,500	21,400
222	22,200	22,100	22,000	21,900	21,800	21,700
225	22,500	22,400	22,300	22,200	22,100	22,000
228	22,800	22,700	22,600	22,500	22,400	22,300
231	23,100	23,000	22,900	22,800	22,700	22,600
234	23,400	23,300	23,200	23,100	23,000	22,900
237	23,700	23,600	23,500	23,400	23,300	23,200
240	24,000	23,900	23,800	23,700	23,600	23,500
243	24,300	24,200	24,100	24,000	23,900	23,800
246	24,600	24,500	24,400	24,300	24,200	24,100
249	24,900	24,800	24,700	24,600	24,500	24,400
252	25,200	25,100	25,000	24,900	24,800	24,700
255	25,500	25,400	25,300	25,200	25,100	25,000
258	25,800	25,700	25,600	25,500	25,400	25,300
261	26,100	26,000	25,900	25,800	25,700	25,600
264	26,400	26,300	26,200	26,100	26,000	25,900
267	26,700	26,600	26,500	26,400	26,300	26,200
270	27,000	26,900	26,800	26,700	26,600	26,500
273	27,300	27,200	27,100	27,000	26,900	26,800
276	27,600	27,500	27,400	27,300	27,200	27,100
279	27,900	27,800	27,700	27,600	27,500	27,400
282	28,200	28,100	28,000	27,900	27,800	27,700
285	28,500	28,400	28,300	28,200	28,100	28,000
288	28,800	28,700	28,600	28,500	28,400	28,300
291	29,100	29,000	28,900	28,800	28,700	28,600
294	29,400	29,300	29,200	29,100	29,000	28,900
297	29,700	29,600	29,500	29,400	29,300	29,200
300	30,000	29,900	29,800	29,700	29,600	29,



February 19, 2015

Mr. James R. Gartner, AIA
James Gartner & Associates Architects, Inc.
2036 North Broadway
Santa Ana, CA 92706

RE: Lazy Dog Restaurant, Addison Texas – Civil Engineering Revisions – Delta 4

Mr. Gartner:

The following letter summarizes the civil related edits made to the Utility Plan based upon contractor input regarding existing sanitary sewer facilities present at the site in regard to the Lazy Dog Restaurant, Addison, Texas project.

Sheet 5.0 Utility Plan

We have created Sheet C5.0A Utility Plan & Sheet C5.4 Utility Details to show the new 6" sanitary sewer lateral connection to the existing 8" sanitary sewer main in the drive aisle south of the project site. Based upon comments from the City, we were able to obtain a more recent as-built of the existing 8" PVC sewer line, entitled "5100 Belt Line Rd #500 (Plan Review A-2-Occ_II-B Lazy Dog) 11-10-14.pdf."

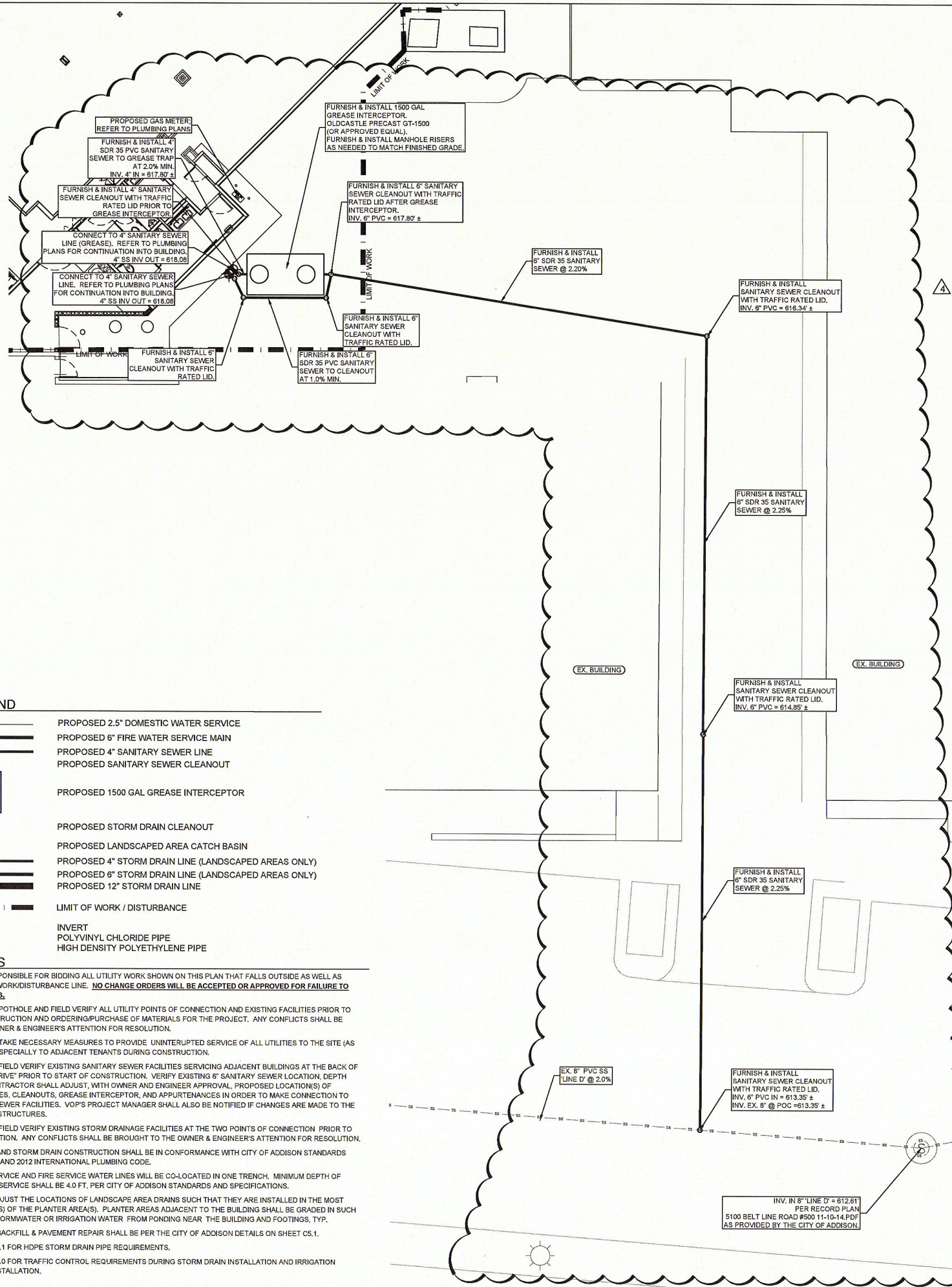
1. Inverts provided into and out of the new Lazy Dog grease interceptor. Please note the manholes on the grease interceptor shall be fitted with risers, per manufacturer recommendations, to bring the manhole access to match finished grade.
2. Added approximately 197 linear feet of 6" SDR 35 sanitary sewer line at approximately 2.25% slope to connect to the existing 8" sanitary sewer line.
3. The new 6" line is located approximately 7.5' off the face of the westerly building. This may be adjusted 1-2 feet west/east in the field as needed based upon existing conditions encountered. Contractor to as-built exact location. Deviations greater than the 1-2 feet shall be approved by the owner.
4. Added 3 new sanitary sewer cleanouts with traffic rated lids. Sanitary sewer cleanouts shall be set to match finished grade.
5. Added 4 details provided by the City of Addison, for utility trenching and repair, to new sheet C5.4.

Should you have any questions regarding these revisions, please do not hesitate to contact me.

Sincerely,
Valley Civil Design Group, LLC
Texas Registration No. F-14469

A handwritten signature in blue ink that reads "Matt Loser".

Matt Loser
Managing Member

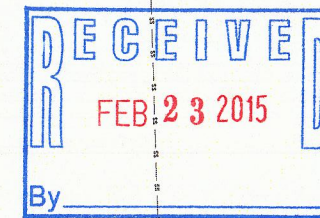


UTILITY LEGEND

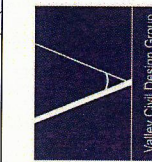
- PROPOSED 2.5" DOMESTIC WATER SERVICE
- PROPOSED 6" FIRE WATER SERVICE MAIN
- PROPOSED 4" SANITARY SEWER LINE
- PROPOSED SANITARY SEWER CLEANOUT
- PROPOSED 1500 GAL GREASE INTERCEPTOR
- PROPOSED STORM DRAIN CLEANOUT
- PROPOSED LANDSCAPED AREA CATCH BASIN
- PROPOSED 4" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
- PROPOSED 6" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
- PROPOSED 12" STORM DRAIN LINE
- LIMIT OF WORK / DISTURBANCE
- INVERT
- PVC
- HDPE

UTILITY NOTES

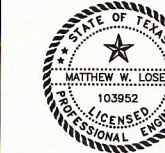
1. CONTRACTOR IS RESPONSIBLE FOR BIDDING ALL UTILITY WORK SHOWN ON THIS PLAN THAT FALLS OUTSIDE AS WELL AS INSIDE THE LIMIT OF WORK/DISTURBANCE LINE. **NO CHANGE ORDERS WILL BE ACCEPTED OR APPROVED FOR FAILURE TO INCLUDE THESE ITEMS.**
2. CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY POINTS OF CONNECTION AND EXISTING FACILITIES PRIOR TO THE START OF CONSTRUCTION AND ORDERING/PURCHASE OF MATERIALS FOR THE PROJECT. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
3. CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROVIDE UNINTERRUPTED SERVICE OF ALL UTILITIES TO THE SITE (AS APPROPRIATE) AND ESPECIALLY TO ADJACENT TENANTS DURING CONSTRUCTION.
4. CONTRACTOR SHALL FIELD VERIFY EXISTING SANITARY SEWER FACILITIES SERVICING ADJACENT BUILDINGS AT THE BACK OF BUILDING/SERVICE DRIVE PRIOR TO START OF CONSTRUCTION. VERIFY EXISTING 6" SANITARY SEWER LOCATION, DEPTH AND CONDITION. CONTRACTOR SHALL ADJUST, WITH OWNER AND ENGINEER APPROVAL, PROPOSED LOCATION(S) OF SANITARY SEWER PIPES, CLEANOUTS, GREASE INTERCEPTOR, AND APPURTENANCES IN ORDER TO MAKE CONNECTION TO EXISTING SANITARY SEWER FACILITIES. VOP'S PROJECT MANAGER SHALL ALSO BE NOTIFIED IF CHANGES ARE MADE TO THE LOCATION OF THESE STRUCTURES.
5. CONTRACTOR SHALL FIELD VERIFY EXISTING STORM DRAINAGE FACILITIES AT THE TWO POINTS OF CONNECTION PRIOR TO START OF CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
6. ALL WATER, SEWER, AND STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF ADDISON STANDARDS AND SPECIFICATIONS AND 2012 INTERNATIONAL PLUMBING CODE.
7. DOMESTIC WATER SERVICE AND FIRE SERVICE WATER LINES WILL BE CO-LOCATED IN ONE TRENCH. MINIMUM DEPTH OF BURY ON THE 6" FIRE SERVICE SHALL BE 4.0 FT, PER CITY OF ADDISON STANDARDS AND SPECIFICATIONS.
8. CONTRACTOR MAY ADJUST THE LOCATIONS OF LANDSCAPE AREA DRAINS SUCH THAT THEY ARE INSTALLED IN THE MOST SENSIBLE LOW SPOT(S) OF THE PLANTER AREA(S). PLANTER AREAS ADJACENT TO THE BUILDING SHALL BE GRADED IN SUCH A WAY AS TO KEEP STORMWATER OR IRRIGATION WATER FROM PONDING NEAR THE BUILDING AND FOOTINGS, TYP.
9. ALL UTILITY TRENCH BACKFILL & PAVEMENT REPAIR SHALL BE PER THE CITY OF ADDISON DETAILS ON SHEET CS.1.
10. REFER TO SHEET CS.1 FOR HDPE STORM DRAIN PIPE REQUIREMENTS.
11. REFER TO SHEET CS.0 FOR TRAFFIC CONTROL REQUIREMENTS DURING STORM DRAIN INSTALLATION AND IRRIGATION WATER LINE TAP & INSTALLATION.



2267 MORNING MESA
HENDERSON, NV 89052
702.551.2005
info@valley-cdg.com
TBPE Firm No. 14469

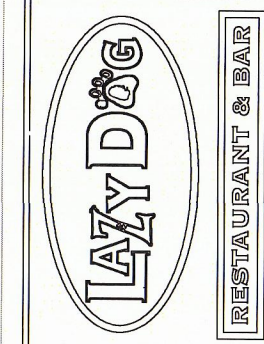


Matthew W. Loser



2/19/15

Rev	Date	Description
17	DEC 14	REVISIONS/ CONSTRUCTION SET RPT NO. 007, CS.0
22	JAN 15	QNL
30	JAN 15	REVISIONS/ COORDINATION SANITARY SEWER
19	FEB 15	POC @ ALLEY



PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254

BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT #: C-LDR-004
ISSUE DATE: 10-22-2014

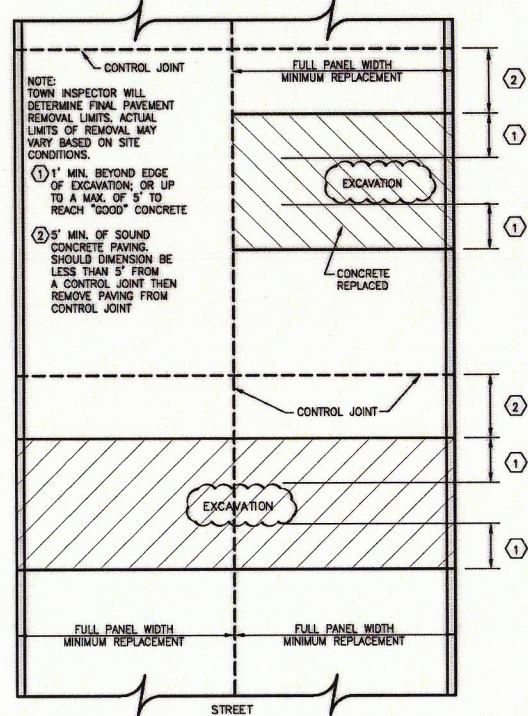
UTILITY PLAN

SHEET NUMBER:
C5.0A

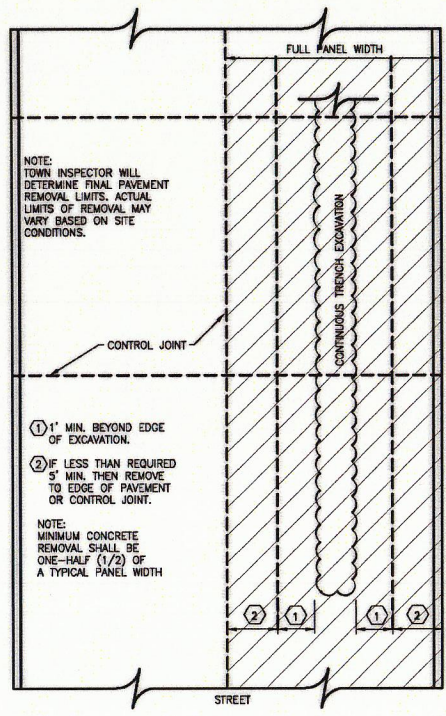


FILE: 007 UTILITY DETAILS.DWG

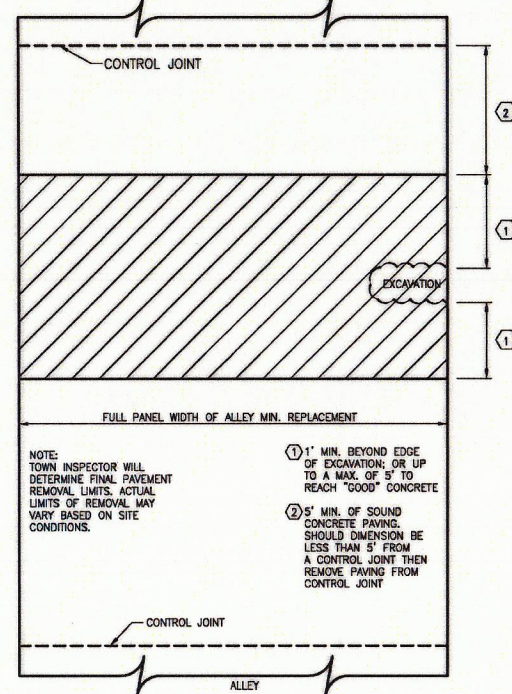
PLOTTED: Thursday, January 23, 2014



TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT EXAMPLE 1



TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT EXAMPLE 2



TYPICAL CONCRETE ALLEY REMOVAL/REPLACEMENT EXAMPLE 3

Addison!
PUBLIC WORKS DEPARTMENT

STREET CUT REPAIRS EXAMPLE 1

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: - SHEET: 30-U08

Addison!
PUBLIC WORKS DEPARTMENT

STREET CUT REPAIRS EXAMPLE 2

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET RESTORATION

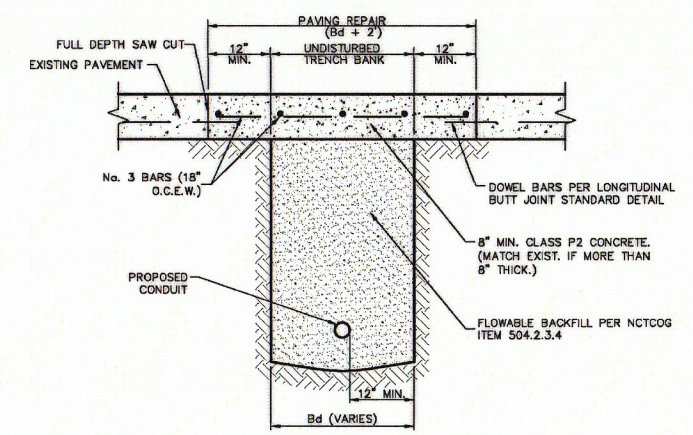
DATE: AUGUST, 2010 REV DATE: - SHEET: 30-U08

Addison!
PUBLIC WORKS DEPARTMENT

STREET CUT REPAIRS EXAMPLE 3

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: - SHEET: 30-U07



- NOTES:**
1. REPAIRS SHALL EXTEND TO 1' BEYOND EACH SIDE OF TRENCH (Bd).
 2. REINFORCEMENT CHAIRS OR APPROVED DEVICE SHALL BE USED.
 3. REPAIRS SHALL MATCH EXISTING GRADE.

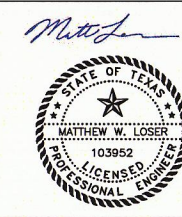
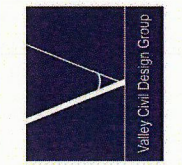
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UTILITY INSTALLATION BENEATH CONCRETE ROAD SURFACE

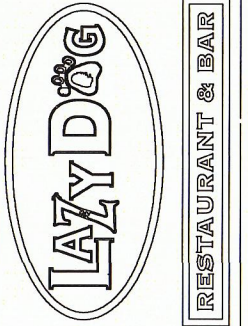
STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET RESTORATION

DATE: AUGUST, 2010 REV DATE: - SHEET: 30-U01

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HENDERSON, NV 89052
702.551.2005
info@valley-cdg.com
TBPE Firm No. 14469



Revision Schedule		
Rev	Date	Description
△	17 DEC 14	REVISIONS/ CONSTRUCTION SET RPT NO. 007, C5.0
△	22 JAN 15	ONLY REVISIONS/ COORDINATION SANITARY SEWER POC @ ALLEY
△	30 JAN 15	
△	19 FEB 15	



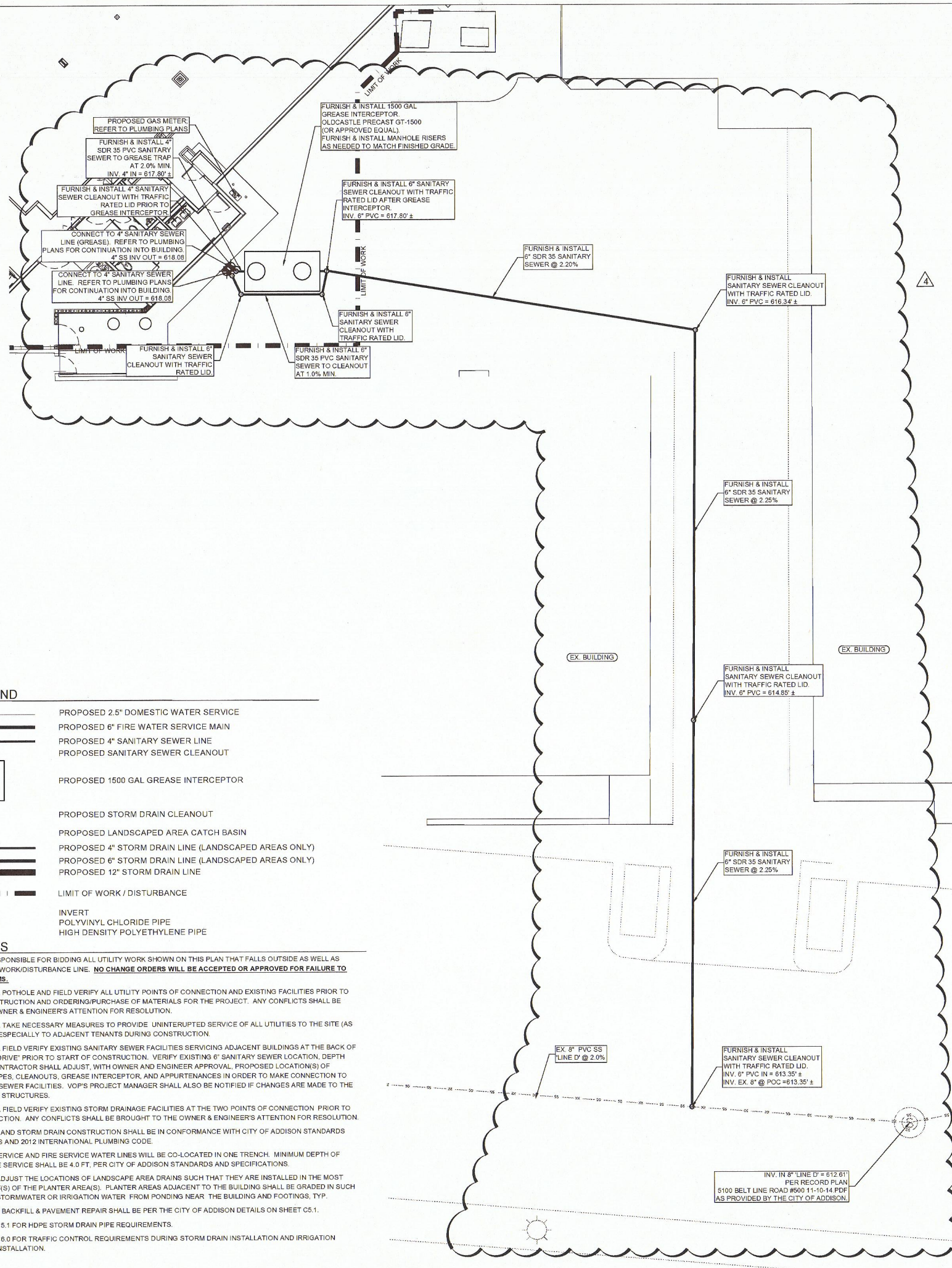
PROJECT NAME:
LAZY DOG RESTAURANT & BAR

PROJECT ADDRESS:
VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254

BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT #: C-LDR-004
ISSUE DATE: 10-22-2014

SHEET TITLE:
UTILITY DETAILS

SHEET NUMBER:
C5.4



UTILITY LEGEND

	PROPOSED 2.5" DOMESTIC WATER SERVICE
	PROPOSED 6" FIRE WATER SERVICE MAIN
	PROPOSED 4" SANITARY SEWER LINE
	PROPOSED SANITARY SEWER CLEANOUT
	PROPOSED 1500 GAL GREASE INTERCEPTOR
	PROPOSED STORM DRAIN CLEANOUT
	PROPOSED LANDSCAPED AREA CATCH BASIN
	PROPOSED 4" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
	PROPOSED 6" STORM DRAIN LINE (LANDSCAPED AREAS ONLY)
	PROPOSED 12" STORM DRAIN LINE
	LIMIT OF WORK / DISTURBANCE
	INVERT PVC HDPE
	INVERT POLYVINYL CHLORIDE PIPE
	INVERT HIGH DENSITY POLYETHYLENE PIPE

UTILITY NOTES

- CONTRACTOR IS RESPONSIBLE FOR BIDDING ALL UTILITY WORK SHOWN ON THIS PLAN THAT FALLS OUTSIDE AS WELL AS INSIDE THE LIMIT OF WORK/DISTURBANCE LINE. **NO CHANGE ORDERS WILL BE ACCEPTED OR APPROVED FOR FAILURE TO INCLUDE THESE ITEMS.**
- CONTRACTOR SHALL POTHOLE AND FIELD VERIFY ALL UTILITY POINTS OF CONNECTION AND EXISTING FACILITIES PRIOR TO THE START OF CONSTRUCTION AND ORDERING/PURCHASE OF MATERIALS FOR THE PROJECT. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
- CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROVIDE UNINTERRUPTED SERVICE OF ALL UTILITIES TO THE SITE (AS APPROPRIATE) AND ESPECIALLY TO ADJACENT TENANTS DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY EXISTING SANITARY SEWER FACILITIES SERVICING ADJACENT BUILDINGS AT THE BACK OF BUILDING/SERVICE DRIVE/ PRIOR TO START OF CONSTRUCTION. VERIFY EXISTING 6" SANITARY SEWER LOCATION, DEPTH AND CONDITION. CONTRACTOR SHALL ADJUST, WITH OWNER AND ENGINEER APPROVAL, PROPOSED LOCATION(S) OF SANITARY SEWER PIPES, CLEANOUTS, GREASE INTERCEPTOR, AND APPURTENANCES IN ORDER TO MAKE CONNECTION TO EXISTING SANITARY SEWER FACILITIES. VOP'S PROJECT MANAGER SHALL ALSO BE NOTIFIED IF CHANGES ARE MADE TO THE LOCATION OF THESE STRUCTURES.
- CONTRACTOR SHALL FIELD VERIFY EXISTING STORM DRAINAGE FACILITIES AT THE TWO POINTS OF CONNECTION PRIOR TO START OF CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE OWNER & ENGINEER'S ATTENTION FOR RESOLUTION.
- ALL WATER, SEWER, AND STORM DRAIN CONSTRUCTION SHALL BE IN CONFORMANCE WITH CITY OF ADDISON STANDARDS AND SPECIFICATIONS AND 2012 INTERNATIONAL PLUMBING CODE.
- DOMESTIC WATER SERVICE AND FIRE SERVICE WATER LINES WILL BE CO-LOCATED IN ONE TRENCH. MINIMUM DEPTH OF BURY ON THE 6" FIRE SERVICE SHALL BE 4.0 FT, PER CITY OF ADDISON STANDARDS AND SPECIFICATIONS.
- CONTRACTOR MAY ADJUST THE LOCATIONS OF LANDSCAPE AREA DRAINS SUCH THAT THEY ARE INSTALLED IN THE MOST SENSIBLE LOW SPOT(S) OF THE PLANTER AREA(S). PLANTER AREAS ADJACENT TO THE BUILDING SHALL BE GRADED IN SUCH A WAY AS TO KEEP STORMWATER OR IRRIGATION WATER FROM PONDING NEAR THE BUILDING AND FOOTINGS, TYP.
- ALL UTILITY TRENCH BACKFILL & PAVEMENT REPAIR SHALL BE PER THE CITY OF ADDISON DETAILS ON SHEET C5.1.
- REFER TO SHEET C5.1 FOR HDPE STORM DRAIN PIPE REQUIREMENTS.
- REFER TO SHEET C6.0 FOR TRAFFIC CONTROL REQUIREMENTS DURING STORM DRAIN INSTALLATION AND IRRIGATION WATER LINE TAP & INSTALLATION.

APPROVED FOR CONSTRUCTION
 Town of Addison
 Infrastructure Operations And Services Department
 APPROVED BY: *[Signature]*
 DATE: 2/25/15
 16801 Westgrove Dr. Addison, TX 75001 (972)450-2871

All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In approving these plans, the Town of Addison makes no representation of adequacy of the work of the Design Engineer.

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 TBPE Firm No. 14469

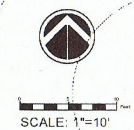
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Rev	Date	Description
1	17 DEC 14	REVISIONS/ CONSTRUCTION SET
2	22 JAN 15	ONLY REVISIONS/ CONSTRUCTION SET RFI NO. 007; C5.0
3	30 JAN 15	ONLY REVISIONS/ COORDINATION
4	19 FEB 15	SANITARY SEWER POC @ ALLEY

LAZY DOG RESTAURANT & BAR

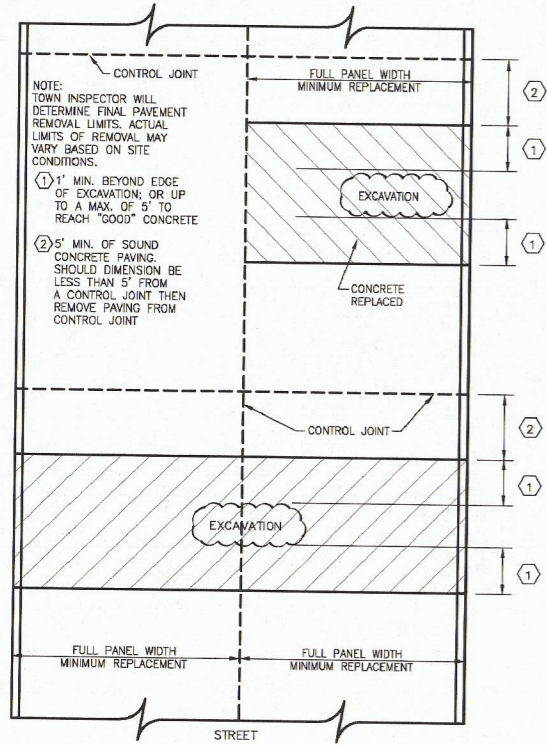
PROJECT NAME: **LAZY DOG RESTAURANT & BAR**
 PROJECT ADDRESS: **VILLAGE ON THE PARKWAY
 5100 BELT LINE ROAD, SUITE 500
 ADDISON, TX 75254**
 BUILDING DEPT. 2nd SUBMITTAL / BID SET
 PROJECT #: C-LDR-004
 ISSUE DATE: 10-22-2014

SHEET TITLE: **UTILITY PLAN**
 SHEET NUMBER: **C5.0A**



FILE: 007 UTILITY DETAILS.DWG

PLOTTED: Thursday, January 23, 2014



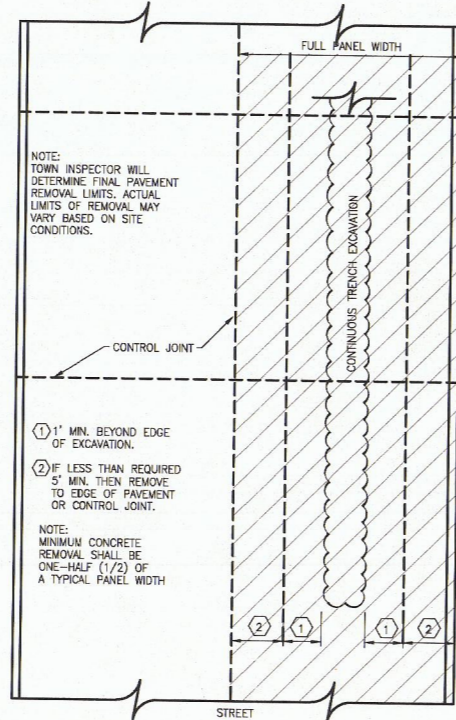
TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT
EXAMPLE 1

Addison!

STREET CUT REPAIRS
EXAMPLE 1

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET
RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-U05



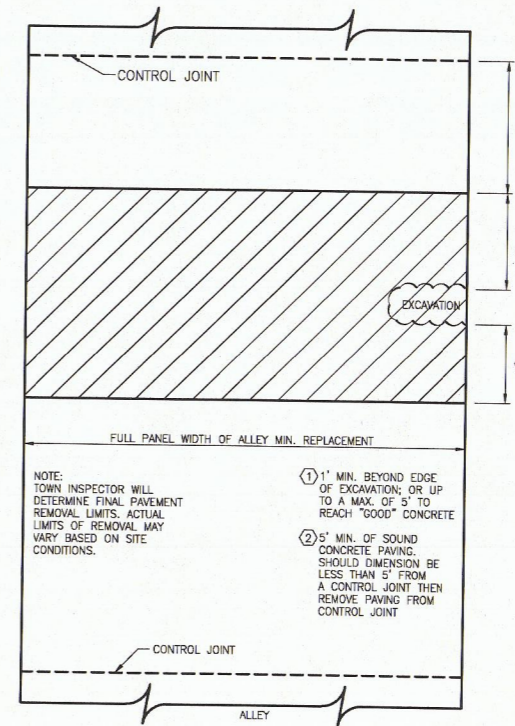
TYPICAL CONCRETE STREET REMOVAL/REPLACEMENT
EXAMPLE 2

Addison!

STREET CUT REPAIRS
EXAMPLE 2

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET
RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-U06



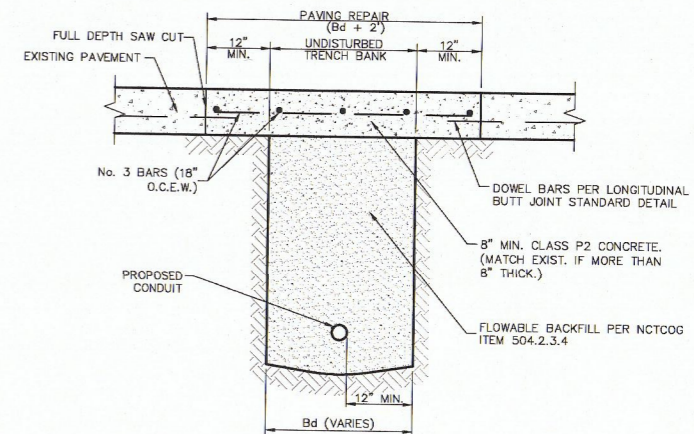
TYPICAL CONCRETE ALLEY REMOVAL/REPLACEMENT
EXAMPLE 3

Addison!

STREET CUT REPAIRS
EXAMPLE 3

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET
RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-U07



- NOTES:
1. REPAIRS SHALL EXTEND TO 1' BEYOND EACH SIDE OF TRENCH (Bd).
 2. REINFORCEMENT CHAIRS OR APPROVED DEVICE SHALL BE USED.
 3. REPAIRS SHALL MATCH EXISTING GRADE.

Addison!

UTILITY INSTALLATION
BENEATH CONCRETE ROAD
SURFACE

STANDARD CONSTRUCTION DETAILS
UTILITIES TRENCHLINE & STREET
RESTORATION

DATE: AUGUST, 2010 REV DATE: SHEET: SD-U01

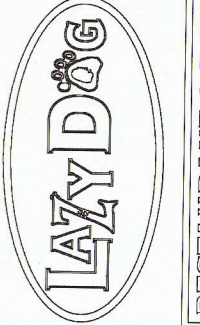
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TBPE Firm No. 14469



Matthew



Rev	Date	Description
1	17 DEC 14	REVISIONS/ CONSTRUCTION SET RFI NO. 007; CS 0
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4	19 FEB 15	



PROJECT NAME: LAZY DOG RESTAURANT & BAR
PROJECT ADDRESS: VILLAGE ON THE PARKWAY
5100 BELT LINE ROAD, SUITE 500
ADDISON, TX 75254
BUILDING DEPT. 2nd SUBMITTAL / BID SET
PROJECT #: C-LDR-004 ISSUE DATE: 10-22-2014

SHEET TITLE:
UTILITY DETAILS

SHEET NUMBER:
C5.4