

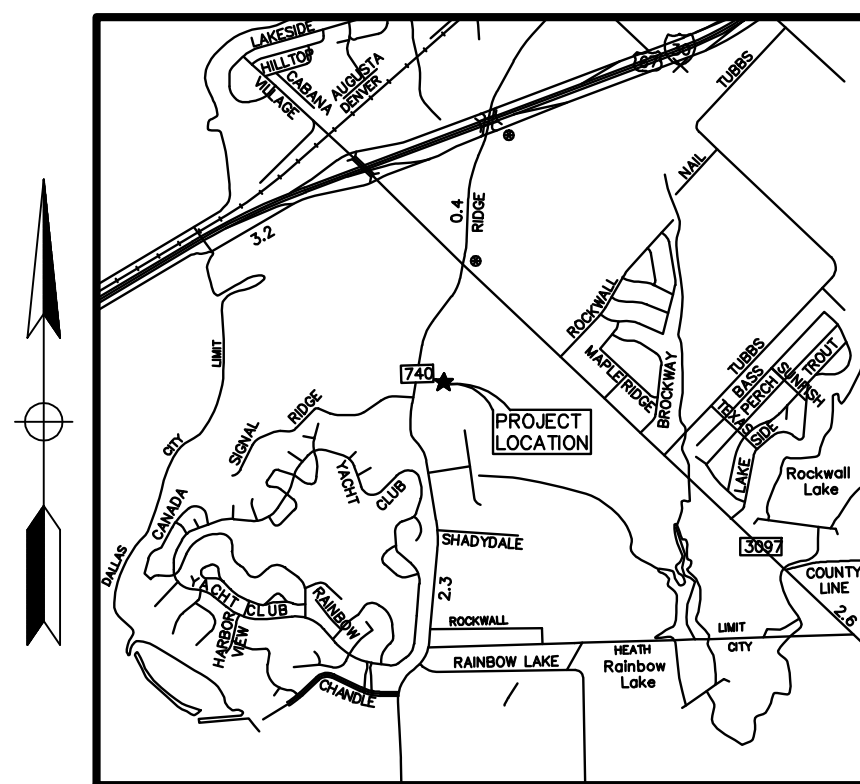
GENERAL NOTES:

- A. TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY, AS A CONTRACTOR TO THE SELLER/OWNER:
 TOPOGRAPHY: WINKELMANN & ASSOCIATES, INC.
 6750 HILLCREST PLAZA DRIVE, SUITE 325
 DALLAS, TEXAS 75230
- B. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE OWNER / DEVELOPER SITE WORK SPECIFICATIONS.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- D. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- E. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- F. **WARRANTY/DISCLAIMER:** THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- G. **SAFETY NOTICE TO CONTRACTOR:** IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- H. ALL CONSTRUCTION IN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT ENGINEER.
- I. **WETLANDS NOTE:** ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.
- J. **RESIDENT ENGINEERING SERVICES:** WHEN REQUESTED BY THE OWNER, RESIDENT ENGINEERING SERVICES SHALL BE PROVIDED BY THE ENGINEERS (ON A TIME AND FREQUENCY BASIS) ACCEPTABLE TO THE CITY ENGINEER FOR IMPROVEMENTS TO PUBLIC WATER MAINS, PUBLIC SEWER, AND CITY STREETS. AT THE COMPLETION OF CONSTRUCTION, THE ENGINEER SHALL CERTIFY THE CONSTRUCTION TO BE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. THIS WORK WILL BE AT THE OWNER/DEVELOPER'S DIRECT EXPENSE AND SHALL BE COORDINATED WITH CEI ENGINEERING ASSOCIATES, INC. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE RESIDENT ENGINEER OF ANY PRECONSTRUCTION / CONSTRUCTION CONFERENCES AND ANY PUBLIC CONSTRUCTION 24 HOURS PRIOR TO SAID ACTION.
- K. CONSTRUCTION AND INSTALLATION OF ALL UTILITY ENTRANCES AND TWO (2) UNDERGROUND STORAGE TANKS SHALL BE IN ACCORDANCE WITH ASSOCIATED PLANS.
- L. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY SITE WORK SPECIFICATIONS.

CONSTRUCTION PLAN FOR KROGER SW575 FUEL CENTER

2935 RIDGE ROAD ROCKWALL, TEXAS

LOT 18, BLOCK A

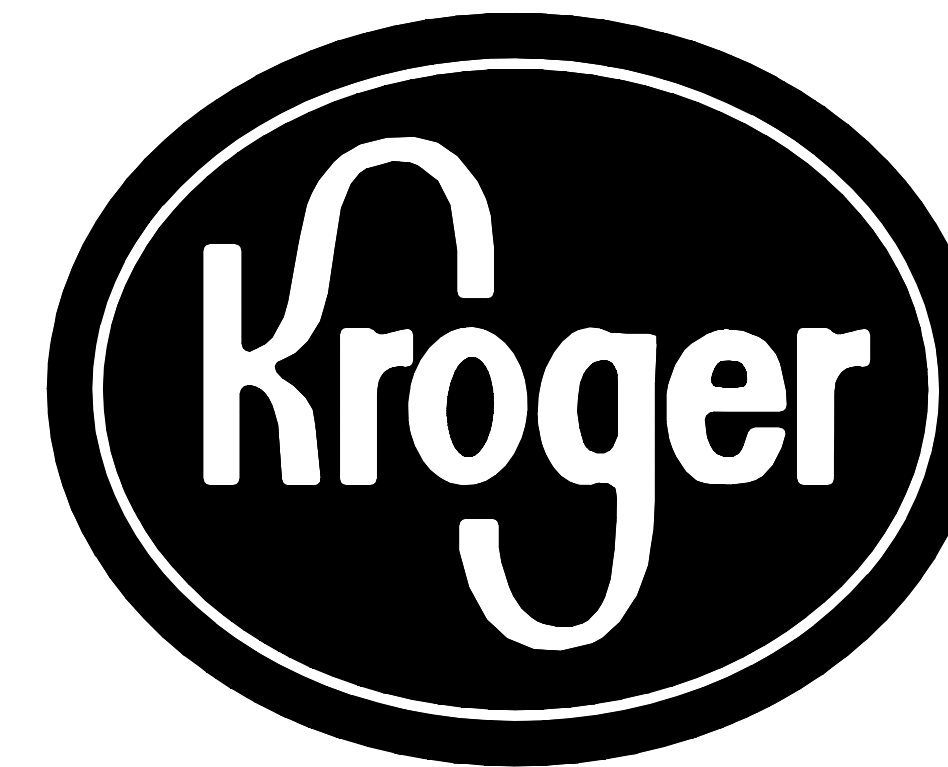


Vicinity Map

Not to Scale

PLAN INDEX

- C-0 COVER SHEET
- C-1 OVERALL SITE PLAN
- C-2 SITE PLAN
- C-3 DEMOLITION PLAN
- C-4 GRADING PLAN
- C-4-1 DRAINAGE PLAN
- C-5 UTILITY PLAN
- C-6 PAVING PLAN
- C-7 EROSION CONTROL PLAN
- C-8 DETAIL SHEET
- C-9 LANDSCAPE PLAN
- C-10 IRRIGATION PLAN
- C-11 LANDSCAPE & IRRIGATION DETAILS



The Kroger Co.
 1331 East Airport Freeway
 Irving, TX 75062
 Phone 972-785-6081

AGENCY: _____ APPROVAL DATE: _____

BUILDING INSPECTIONS _____

CONSTRUCTION SCHEDULE

ESTIMATED CONSTRUCTION START DATE: OCTOBER, 2011
 ESTIMATED CONSTRUCTION END DATE: DECEMBER, 2011

RESOURCE LIST:

CITY OF ROCKWALL

CITY ADDRESS:
 385 SOUTH GOLIAD STREET,
 ROCKWALL TX 75087

PLANNING & ZONING
 MICHAEL HAMPTON AICP
 PHONE 972-771-7745
 P&Z MANAGER

BUILDING INSPECTIONS
 JOHN SHANNON
 972-772-6481
 972-771-7748 FAX
 SENIOR BUILDING INSPECTOR

ENGINEERING / PUBLIC WORKS
 CHUCK TODD
 972-771-7746
 972-771-7748 FAX
 CITY ENGINEER - PUBLIC WORKS DIRECTOR

FIRE DEPARTMENT
 ARIANA HARGROVE
 972-771-7770
 972-771-7772 FAX
 FIRE MARSHAL

CIVIL CONSULTANT

CEI ENGINEERING ASSOCIATES, INC.
 4800 SUGAR GROVE BLVD., SUITE 316
 STAFFORD, TX 77477
 TEL: 281-494-0360 EXT11
 FAX: 281-494-0309
 CONTACT: CHONG OOI P.E. (EMAIL: COOI@CEIENG.COM)
 EOR: "JEREMY" LEONG W. YEE P.E.

PROJECT OWNER

KROGER - MID-CENTRAL - SOUTHWEST DIVISION
 1331 E. AIRPORT FREEWAY
 IRVING, TX 75062
 TEL: 972-785-6081
 FAX: 972-785-6080
 CONTACT: JARED SOB CZAK (JARED.SOB CZAK@KROGER.COM)

UNDERGROUND STORAGE TANKS
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
 REGISTRATION & SELF-CERTIFICATION TEAM MC-138
 P.O. BOX 13087
 AUSTIN, TX 78711-3087

TLDR
 BDA ACCESSIBILITY SERVICES LLC
 1710 S. FM51 #178
 DECATUR, TX 76234
 TEL: 940-577-0832
 FAX: 940-969-2666

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S CONSTRUCTION DEPARTMENT AT (972)785-6015. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR, THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

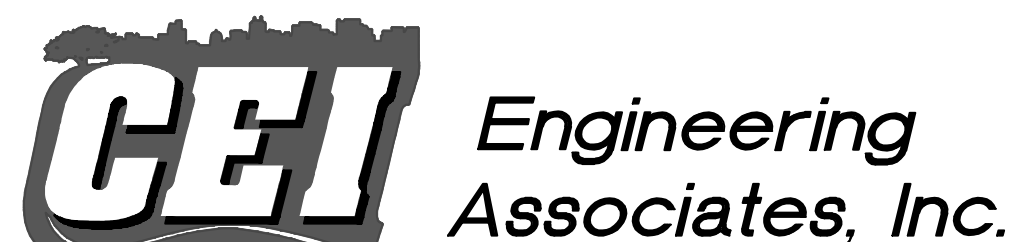
FLOOD CERTIFICATION:

ACCORDING TO INTERPRETATION OF INFORMATION SHOWN ON THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) "FLOOD INSURANCE RATE MAP" (FIRM), COMMUNITY PANEL NO. 48397C 0040 L, DATED SEPTEMBER 26, 2008, THIS PROPERTY IS WITHIN FLOOD ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN ZONE AS DEFINED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION, OR THE FEDERAL EMERGENCY MANAGEMENT AGENCY.

THE ABOVE REFERENCED "FIRM" MAP IS FOR USE IN ADMINISTERING THE "NFIP"; IT DOES NOT NECESSARILY SHOW ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL SOURCES OF SMALL SIZE, WHICH COULD BE FLOODED BY SEVERE, CONCENTRATED RAINFALL COUPLED WITH INADEQUATE LOCAL DRAINAGE SYSTEMS. THERE MAY BE OTHER STREAMS, CREEKS, LOW AREAS, DRAINAGE SYSTEMS OR OTHER SURFACE OR SUBSURFACE CONDITIONS EXISTING ON OR NEAR THE SUBJECT PROPERTY WHICH ARE NOT STUDIED OR ADDRESSED AS PART OF THE "NFIP".



TEXAS EXCAVATION
 SAFETY SERVICES
 1-800-344-8377



ENGINEERS • PLANNERS • SURVEYORS
 LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS
 4800 SUGAR GROVE BLVD. #316 TEL: 281-494-0360
 STAFFORD, TX 77477 FAX: 281-494-0309

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

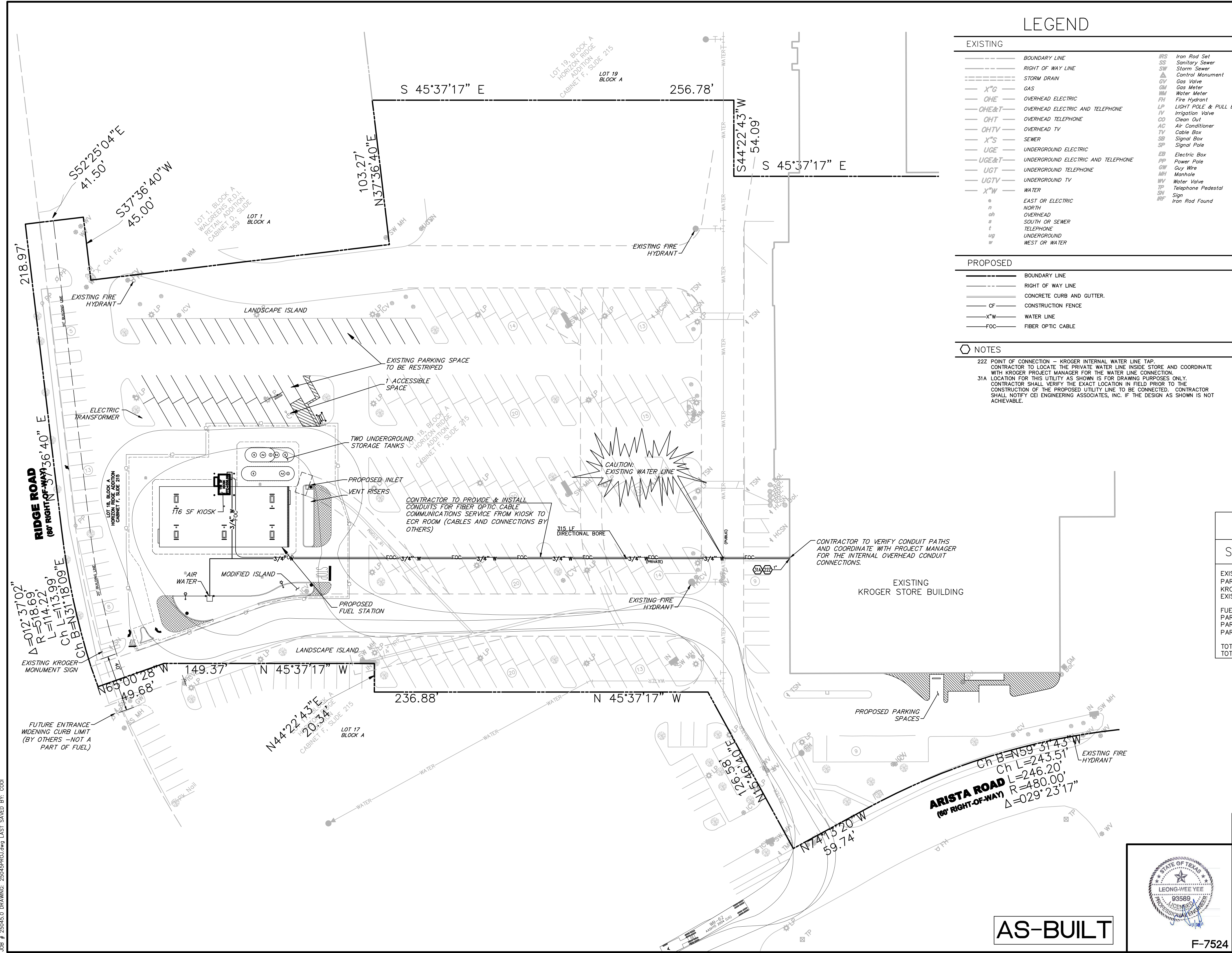


AS-BUILT

Arizona * Arkansas * California * Georgia * Minnesota * Pennsylvania * Texas

JOB NO.: 25045
 DWG NAME: 25045SPROJ
 DATE: 12/1/11
 10:07 AM
 SHEET NO.: 00
AS-BUILT

F-7524



LEGEND

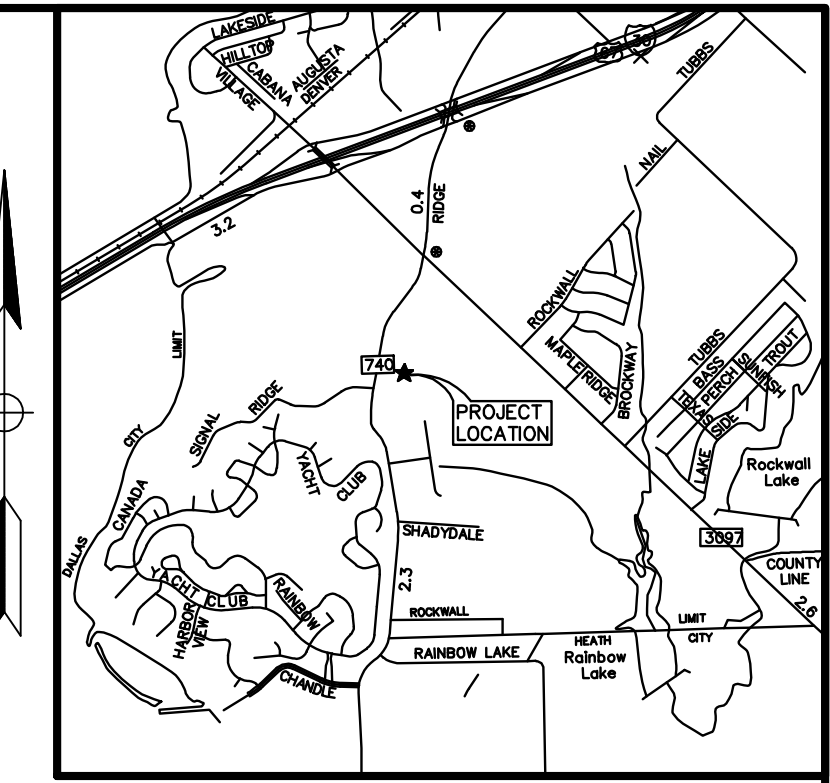
EXISTING	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
X" G	GAS
OHE	OVERHEAD ELECTRIC
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TV
X"S	SEWER
UGE	UNDERGROUND ELECTRIC
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TV
X"W	WATER
n	EAST OR ELECTRIC NORTH
sh	OVERHEAD SOUTH OR SEWER
t	TELEPHONE
ug	UNDERGROUND WEST OR WATER
IRS	Iron Rod Set
SS	Sanitary Sewer
SM	Storm Sewer
CM	Control Manumet
GV	Gas Valve
GM	Gas Meter
WM	Water Meter
PH	Fire Hydrant
LP	LIGHT POLE & PULL BOX
IV	Irrigation Valve
CO	Clean Out
AC	Air Conditioner
CB	Cable Box
SB	Signal Box
SP	Signal Pole
EB	Electric Box
PP	Power Pole
GW	Guy Wire
MH	Manhole
WV	Water Valve
TP	Telephone Pedestal
SN	Sign
IRF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	CONCRETE CURB AND GUTTER.
---	CONSTRUCTION FENCE
X" W	WATER LINE
FOC	FIBER OPTIC CABLE

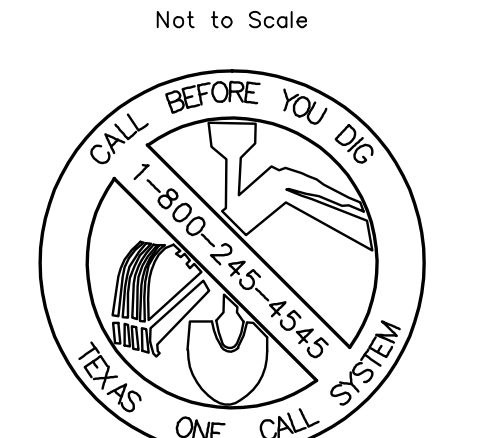
NOTES

222 POINT OF CONNECTION - KROGER INTERNAL WATER LINE TAP. CONTRACTOR TO LOCATE THE PRIVATE WATER LINE INSIDE STORE AND COORDINATE WITH KROGER PROJECT MANAGER FOR THE WATER LINE CONNECTION.

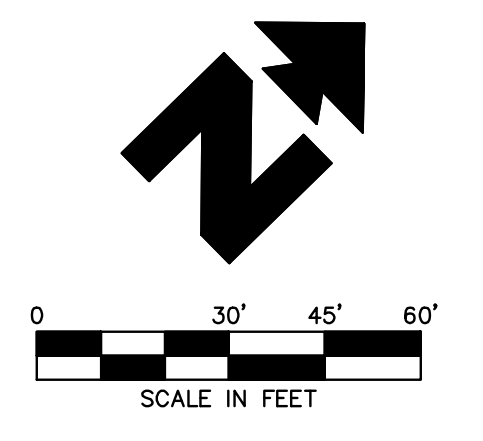
31A LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.



Vicinity Map



TEXAS EXCAVATION SAFETY SERVICES
1-800-344-8377



BENCHMARK INFORMATION:
 BM #1 - AN "X" CUT FOUND ELEVATION = 563.79
 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

PARKING DATA

SHOPPING CENTER & FUEL STATION

EXISTING SHOPPING CENTER BUILDING S.F.: 73,770
 PARKING REQUIRED: 295 (4 SPACES PER 1000 S.F. FOR KROGER)
 EXISTING PARKING: 324 SPACES

FUEL STATION S.F.: 116 S.F.
 PARKING REMOVED: 34 SPACES
 PARKING ADDED AFTER RESTRIPIING: 6 SPACES
 PARKING REQUIRED: 1 SPACE (1 SPACE PER 250 S.F.)

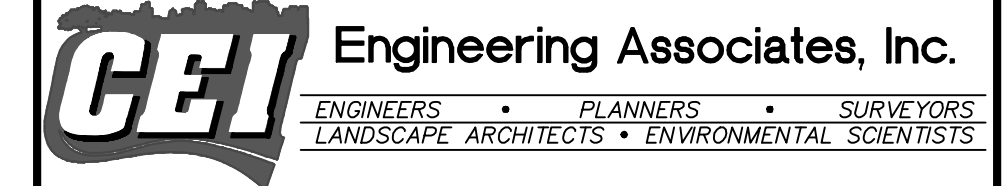
TOTAL PARKING REQUIRED WITH FUEL: 296 SPACES
 TOTAL PARKING PROVIDED WITH FUEL: 296 SPACES

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CITY OF ROCKWALL WILL NOT RESPONSIBLE FOR ANY DAMAGE ON PRIVATE UTILITY(S) WITHIN CITY'S EASEMENTS DURING REPAIR OR MAINTENANCE OF CITY'S UTILITIES.

INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE		PRN	PM	DES	DRW

KROGER SW-575 FUEL CENTER



3030 LBJ Freeway, Suite 100 (972)488-3737
 Dallas, TX 75234 (972)488-6732

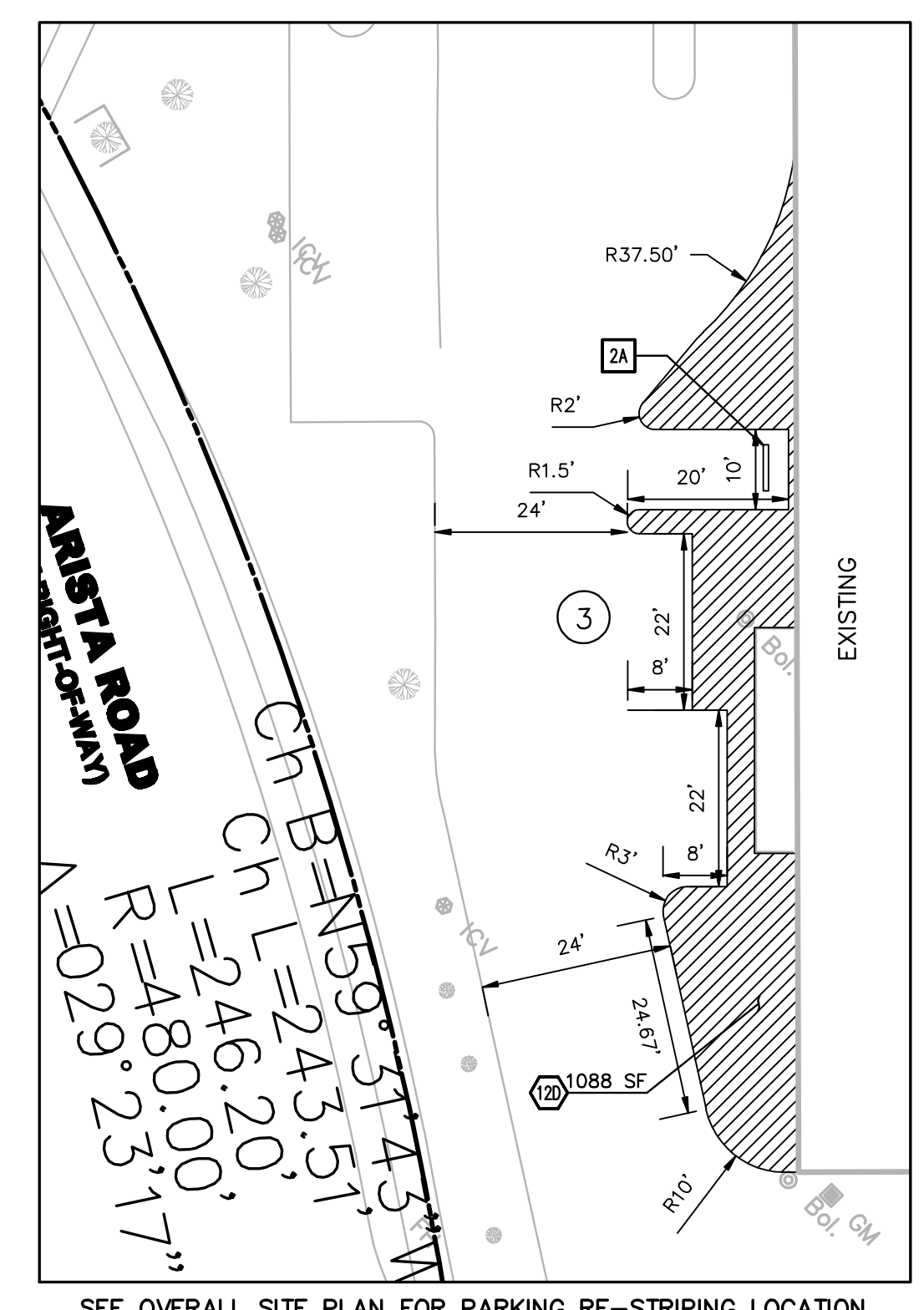
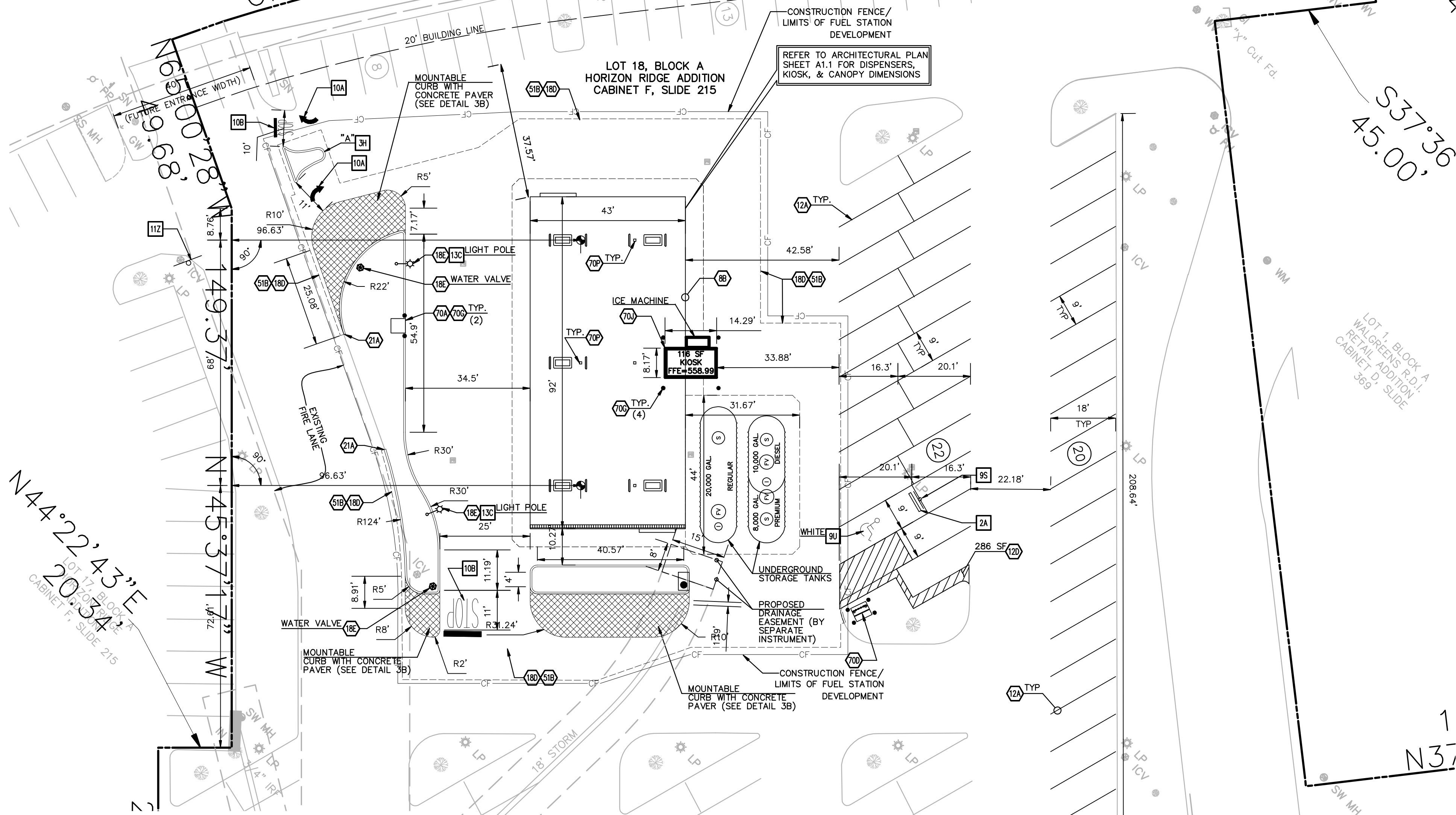
OVERALL SITE PLAN DATE 12/1/11 SHEET NO. C1 of 11
 2935 RIDGE ROAD 10:07 AM
 ROCKWALL, TEXAS AS-BUILT

AS-BUILT



$\Delta = 1/4$
 $R = 518.69$
 $L = 114.22$
 $Ch L = 113.99$
 $Ch B = N31^{\circ}18'09''E$

RIDGE ROAD
 (80' RIGHT-OF-WAY)
 $N 37^{\circ}36'40'' E$



LEGEND

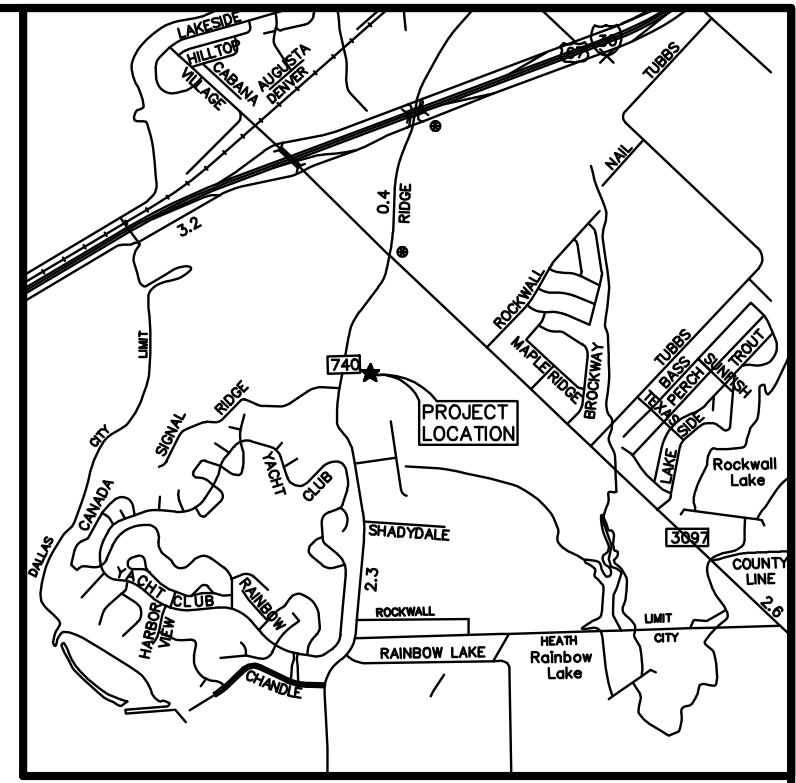
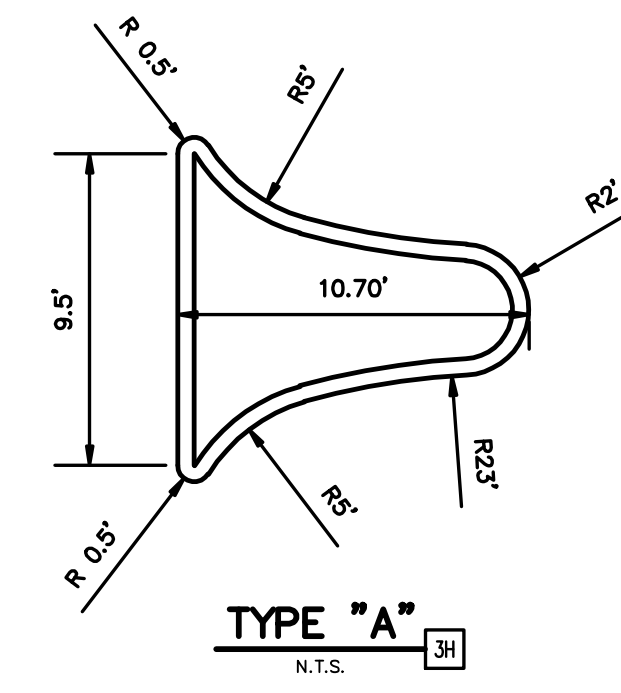
EXISTING	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
X" G	GAS
OHE	OVERHEAD ELECTRIC
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TV
X"S	SEWER
UGE	UNDERGROUND ELECTRIC
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TV
X"W	WATER
EAST OR ELECTRIC	
NORTH	
OVERHEAD	
SOUTH OR SEWER	
TELEPHONE	
UNDERGROUND	
WEST OR WATER	
IRS	Iron Rod Set
SS	Sanitary Sewer
SW	Storm Sewer
CM	Control Monument
GV	Gas Valve
GM	Gas Meter
WM	Water Meter
FH	Fire Hydrant
LP	LIGHT POLE & PULL BOX
IV	Irrigation Valve
CO	Clean Out
AC	Air Conditioner
CB	Cable Box
SB	Signal Box
SP	Signal Pole
EB	Electric Box
PP	Power Pole
GW	Guy Wire
MH	Manhole
WV	Water Valve
TP	Telephone Pedestal
SN	Sign
IRF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	CONCRETE CURB AND GUTTER. SEE DETAIL 1A.
---	CONSTRUCTION FENCE
●	BUILDING CONTROL POINT

- GENERAL SITE NOTES**
- ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 - ALL CURB RETURN RADII SHALL BE 2', AS SHOWN TYPICAL ON THIS PLAN, UNLESS OTHERWISE NOTED.
 - UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS: ALL CURB AND GUTTER ADJACENT TO CONCRETE PAVING SHALL BE INSTALLED PER DETAIL 1A. PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH DETAILS 8G AND 8E PER PAVING PLAN.
 - ALL PARKING LOT SIGN BASE SUPPORTS SHALL BE INSTALLED PER DETAIL 12F.

- SITE NOTES**
- 8B OVERHEAD CANOPY - (TYP. PER ARCH. PLANS)
 - 12A 4 INCH TRAFFIC WHITE LANE STRIPE (SEE LENGTH INDICATED AT SYMBOL)
 - 12D 4 INCH WIDE PAINTED WHITE STRIPES. 2.0 FOOT O.C. @ 45 DEGREES (SEE SIZE INDICATED AT SYMBOL)
 - 18D MATCH EXISTING PAVEMENT ELEVATIONS
 - 18E POINT OF RELOCATION
 - 21A TAPER CURB TO MATCH EXISTING CURB
 - 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
 - 70A INSTALL 6" THICK 4'x4' CONCRETE PAD FOR AIR AND WATER WITH STUB OUTS (SEE SHEET A3)
 - 70D VENT RISERS (SEE SHEET T4)
 - 70G 6" BOLLARD (SEE SHEET A3)
 - 70J PREFABRICATED BUILDING PER ARCH. PLANS
 - 70P CANOPY COLUMN

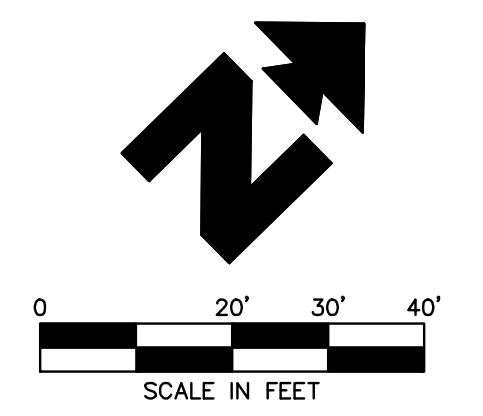
- SITE DETAILS**
- 2A PRECAST CONCRETE WHEEL STOP
 - 3B CONCRETE PAVER, MOUNTABLE CURB
 - 3H SEE DETAILS FOR CURB ISLAND DIMENSIONS
 - 9S ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN
 - 9U ACCESSIBLE PARKING SYMBOL (SEE PAINT COLOR INDICATED AT SYMBOL)
 - 10A TRAFFIC FLOW ARROW
 - 10B STOP BAR
 - 11Z NO LEFT TURN SIGN WITH ARROW
 - 13C TYPICAL 18' LIGHTING POLE BASE



Vicinity Map
Not to Scale



TEXAS EXCAVATION SAFETY SERVICES
1-800-344-8377



NOTE: SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF RAMPS, SLOPED PAVING, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

BENCHMARK INFORMATION:
 BM #1 - AN "X" CUT FOUND ELEVATION = 563.79
 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

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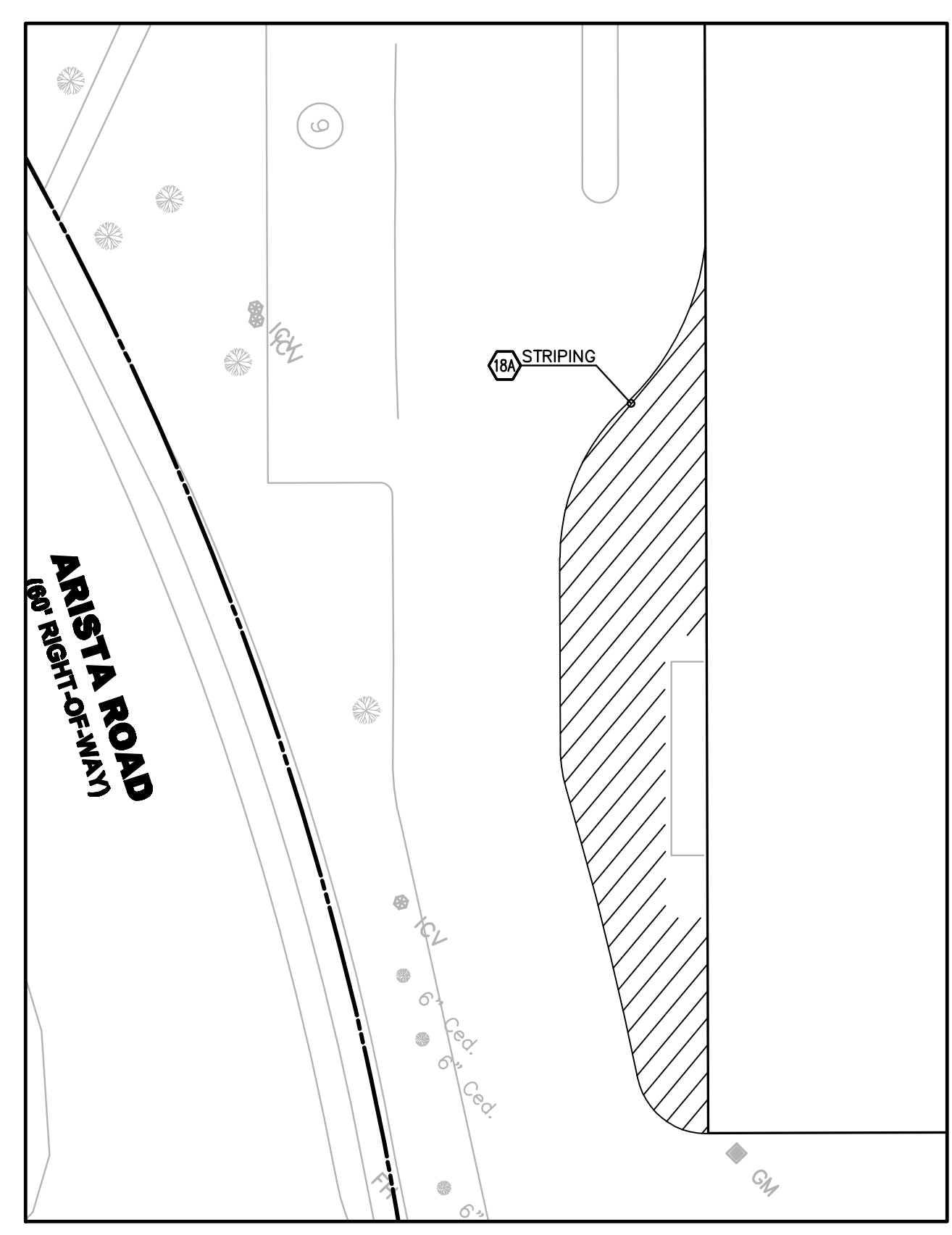
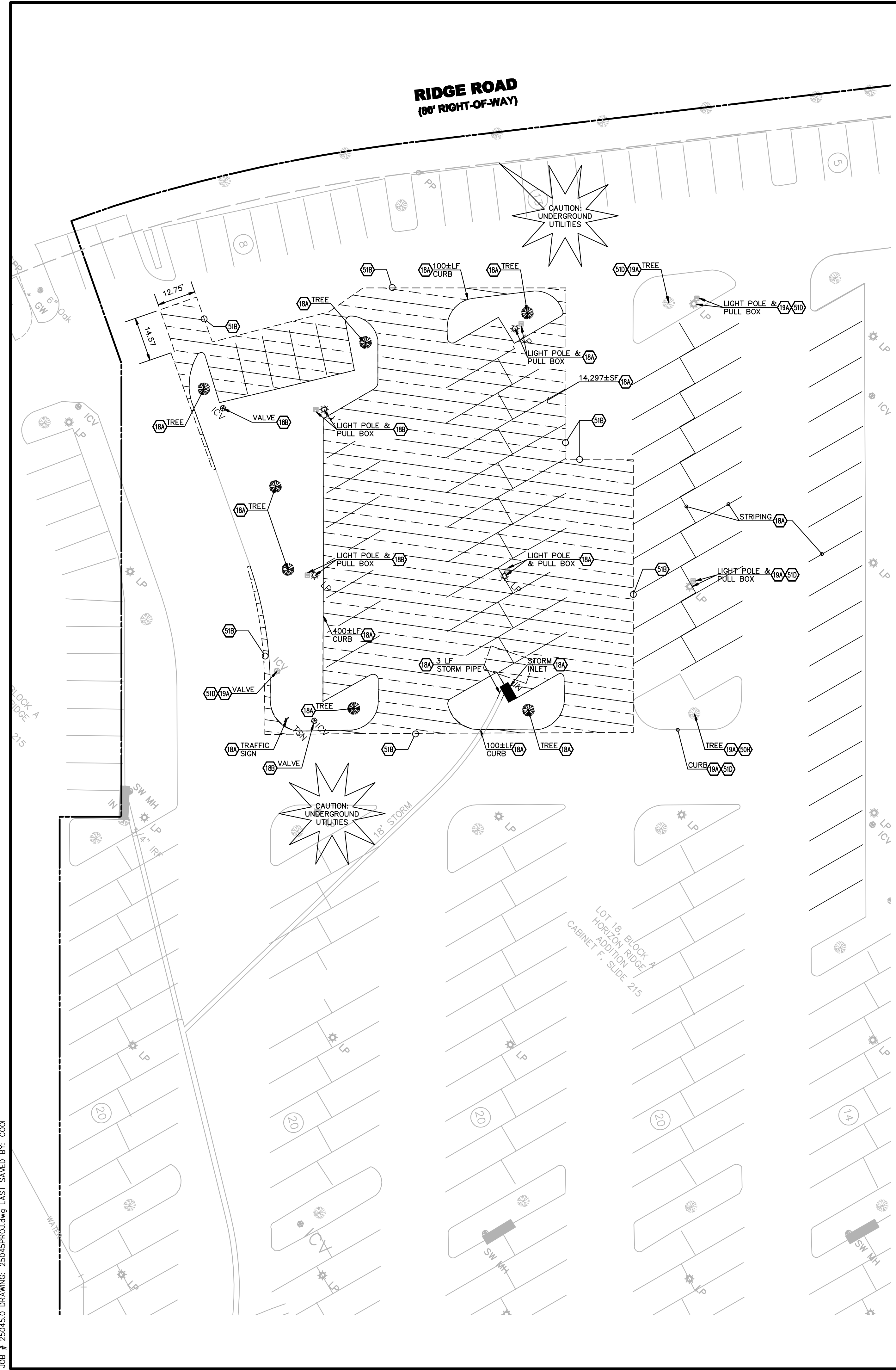
JOB # 25045.0 DRAWING: 25045PROJ.dwg LAST SAVED BY: COO

INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE	PRN	PM	DES	DRW	
KROGER SW-575 FUEL CENTER					
Engineering Associates, Inc.					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 LBJ Freeway, Suite 100 Dallas, TX 75234			(972) 488-3737 (972) 488-6732		
SITE PLAN 2935 RIDGE ROAD ROCKWALL, TEXAS				DATE 12/1/11 10:07 AM	SHEET NO. C2 OF 11



AS-BUILT

F-7524



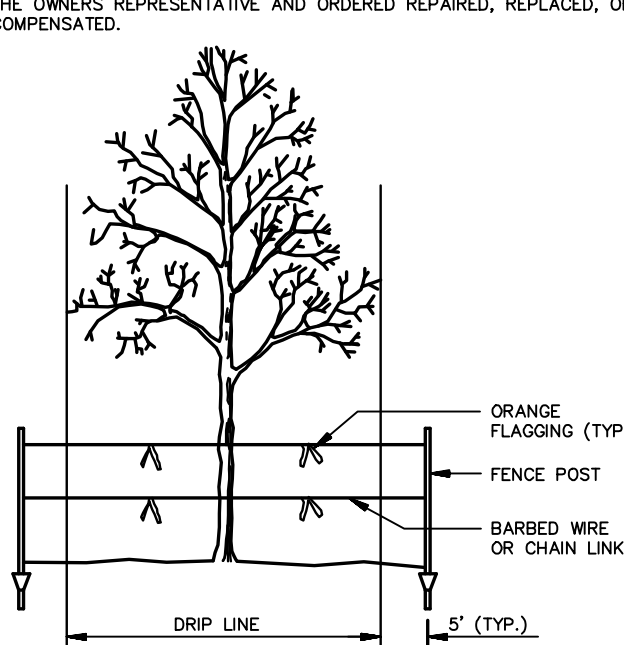
DEMOLITION NOTES

18A EXISTING TO BE REMOVED
 18B EXISTING TO BE RELOCATED
 19A EXISTING TO REMAIN
 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
 51D PROTECT EXISTING STRUCTURES AND/OR PIPES DURING DEMOLITION AND CONSTRUCTION PHASES.

DEMOLITION DETAILS

50H TREE PROTECTION

- TREE PROTECTION NOTES:**
- ALL TREES SHOWN ON THIS PLAN TO BE RETAINED SHALL BE PROTECTED DURING ALL PHASES OF DEMOLITION/CONSTRUCTION WITH TEMPORARY FENCING. IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH LANDSCAPE CONTRACTOR.
 - TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING). CLEARING SHALL BE DONE BY HAND.
 - FENCES SHALL COMPLETELY SURROUND TREE OR CLUSTERS OF TREES; SHALL BE LOCATED 5' FROM THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIP LINE), AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION BY CONTRACTOR. PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS.
 - ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL) OR TRENCHING.
 - WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT.
 - OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.
 - EXCEPTIONS TO INSTALLING FENCES 5' FROM TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED: ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - WHERE TREES ARE CLOSE TO THE PROPOSED BUILDING: ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHES) IN ADDITION TO THE REDUCED FENCING PROVIDED.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES (UNDER DRIP LINES), THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
 - ALL GRADING WITHIN PROTECTED ROOT ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA. NO ROOT OVER 1 INCH DIAMETER WILL BE CUT.
 - ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED WITH A CLEAN CUT FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL IMMEDIATELY. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
 - PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIP LINES, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE DAMAGE TO REMAINING ROOTS.
 - TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES SHOULD BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS SHOULD BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
 - NO CONDUIT OR UTILITIES CAN BE INSTALLED WITHIN TREE PROTECTION AREAS. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
 - NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE. GRADING LIMITED TO 3 INCH CUT.
 - PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION BEGINS.
 - ALL PRUNING MUST BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES) BY A CERTIFIED ARBORIST AND SHALL BE APPROVED AND SUPERVISED BY OWNERS REPRESENTATIVE OR PROJECT URBAN FORESTER.
 - DAMAGE TO TREES OR ANY NATURAL RESOURCE DUE TO CONTRACTOR'S NEGLIGENCE DURING THE CONSTRUCTION PHASE SHALL BE APPRAISED BY THE OWNERS REPRESENTATIVE AND ORDERED REPAIRED, REPLACED, OR COMPENSATED.



TREE PROTECTION
 N.T.S.

LEGEND

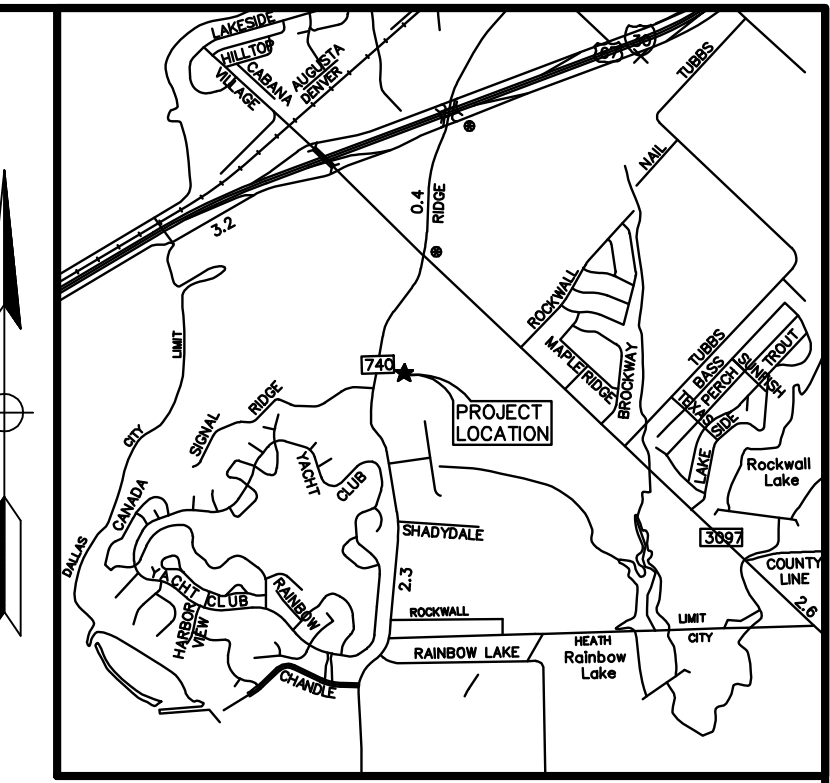
EXISTING			
---	BOUNDARY LINE	IRS	Iron Rod Set
---	RIGHT OF WAY LINE	SS	Sanitary Sewer
---	STORM DRAIN	SW	Storm Sewer
X" G	GAS	CM	Control Monument
OHE	OVERHEAD ELECTRIC	GV	Gas Valve
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE	WM	Water Meter
OHT	OVERHEAD TELEPHONE	FH	Fire Hydrant
OHTV	OVERHEAD TV	LP	LIGHT POLE & PULL BOX
X"S	SEWER	IV	Irrigation Valve
UGE	UNDERGROUND ELECTRIC	CO	Clean Out
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE	AC	Air Conditioner
UGT	UNDERGROUND TELEPHONE	TV	Cable Box
UGTV	UNDERGROUND TV	SB	Signal Box
X"W	WATER	SP	Signal Pole
e	EAST OR ELECTRIC	EP	Electric Box
n	NORTH	PP	Power Pole
oh	OVERHEAD	GW	Guy Wire
s	SOUTH OR SEWER	MH	Manhole
t	TELEPHONE	WV	Water Valve
ug	UNDERGROUND	TP	Telephone Pedestal
w	WEST OR WATER	SV	Sign
		RF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	CONSTRUCTION FENCE

PROPOSED	
[Hatched Area]	DEMO AND REMOVE PAVEMENT WITHIN HATCHED AREA UNLESS OTHERWISE NOTED

GENERAL DEMOLITION NOTES

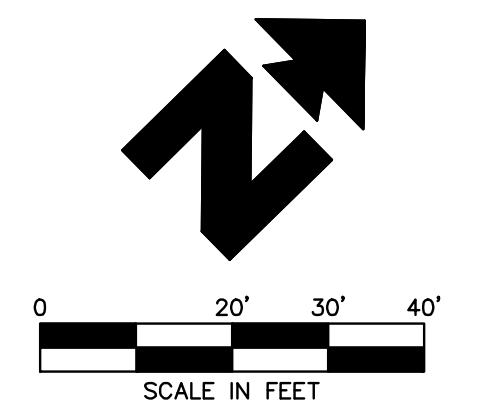
- THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "KROGER STANDARD SITE WORK SPECIFICATIONS".
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- ENGINEER'S NOTICE TO CONTRACTOR**
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.



Vicinity Map
 Not to Scale



TEXAS EXCAVATION SAFETY SERVICES
 1-800-344-8377

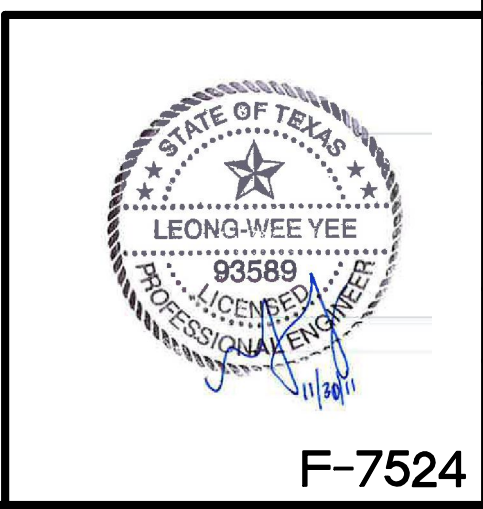


BENCHMARK INFORMATION:
 BM #1 - AN "X" CUT FOUND ELEVATION = 563.79
 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

JOB # 25045.0 DRAWING: 25045PROJ.dwg LAST SAVED BY: CCOI

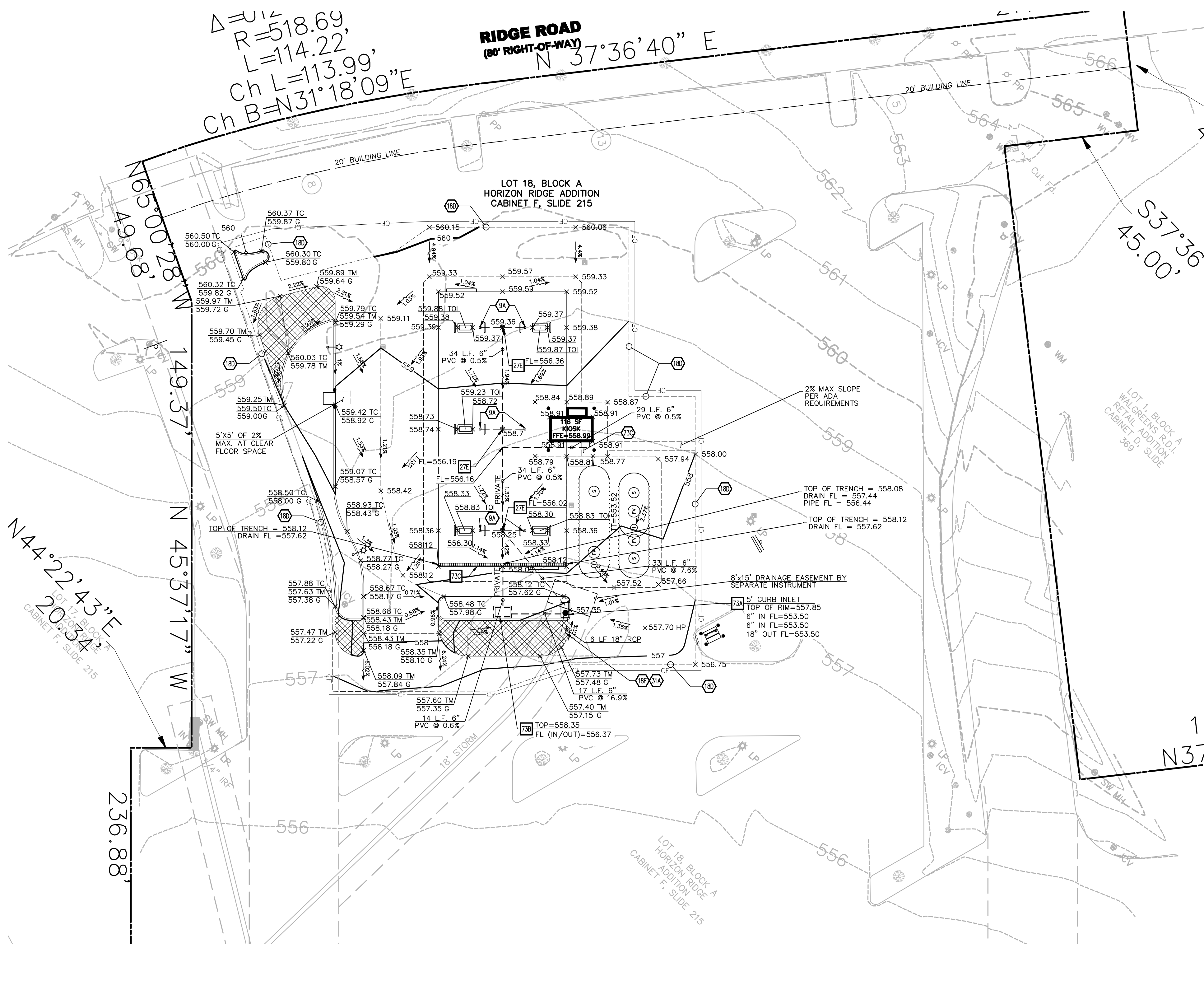
AS-BUILT



INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
	DATE	PRN	PM	DES	DRW
KROGER SW-575 FUEL CENTER					
CEI Engineering Associates, Inc.					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 LBJ Freeway, Suite 100 Dallas, TX 75234			(972)488-3737 (972)488-6732		
DEMOLITION PLAN				DATE	SHEET NO.
2935 RIDGE ROAD				12/1/11	C3 OF 11
ROCKWALL, TEXAS				10:07 AM	AS-BUILT
F-7524					

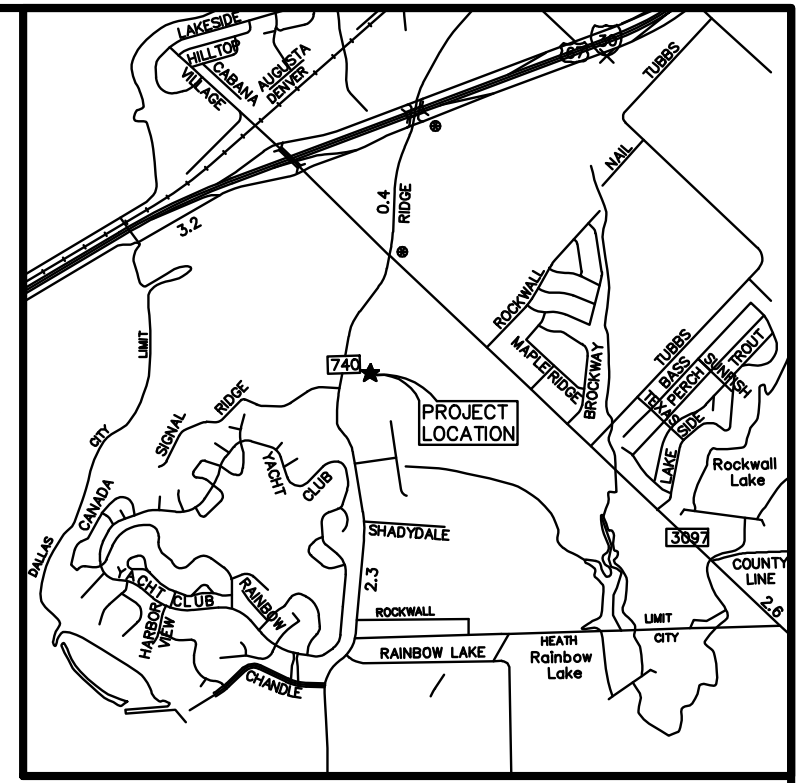
$\Delta = U \cdot L$
 $R = 518.69$
 $L = 114.22$
 $Ch L = 113.99$
 $Ch B = N31^{\circ}18'09''E$

RIDGE ROAD
 (80' RIGHT-OF-WAY)
 $N 37^{\circ}36'40'' E$



LEGEND

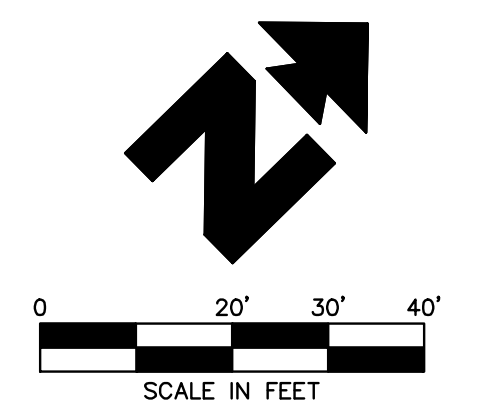
EXISTING		PROPOSED	
---	BOUNDARY LINE	---	BOUNDARY LINE
---	RIGHT OF WAY LINE	---	CONSTRUCTION FENCE
---	STORM DRAIN	---	CONTOUR ELEVATIONS
X" G	GAS	---	GRADE BREAK LINE
OHE	OVERHEAD ELECTRIC	---	FLOW
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE	XX.XX	SPOT ELEVATIONS:
OHT	OVERHEAD TELEPHONE	TC	TOP OF CURB
OHTV	OVERHEAD TV	G	GUTTER
X"S	SEWER	TOI	TOP OF ISLAND
UGE	UNDERGROUND ELECTRIC	TT	TOP OF TANKS
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE	EX	EXISTING GROUND
UGT	UNDERGROUND TELEPHONE	TM	TOP OF MOUNTABLE CURB
UGTV	UNDERGROUND TV	HP	HIGH POINT
X"W	WATER		
	EAST OR ELECTRIC		
	NORTH		
	OVERHEAD		
	SOUTH OR SEWER		
	TELEPHONE		
	UNDERGROUND		
	WEST OR WATER		
IRS	Iron Rod Set		
SS	Sanitary Sewer		
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GV	Gas Valve		
GM	Gas Meter		
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FH	Fire Hydrant		
LP	LIGHT POLE & PULL BOX		
IV	Irrigation Valve		
CO	Clean Out		
AC	Air Conditioner		
TV	Cable Box		
SB	Signal Box		
SP	Signal Pole		
EP	Electric Box		
PP	Power Pole		
GW	Guy Wire		
MH	Manhole		
WV	Water Valve		
TP	Telephone Pedestal		
SN	Sign		
RF	Iron Rod Found		



Vicinity Map
Not to Scale



TEXAS EXCAVATION
 SAFETY SERVICES
 1-800-344-8377



NOTE: SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF RAMPS, SLOPED PAVING, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

BENCHMARK INFORMATION:
 BM #1 - AN "X" OUT FOUND ELEVATION = 563.79
 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

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- GENERAL GRADING NOTES**
- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
 - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE. THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATIONS OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.

- GRADING NOTES**
- DOWN SPOUTS (PER ARCH PLANS)
 - MATCH EXISTING PAVEMENT ELEVATIONS
 - CONNECT TO EXISTING STORM DRAIN PIPE
 - LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAGING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
 - LEVEL CONCRETE LANDING AT DOOR. SLOPE SHALL BE LESS THAN 2% IN ALL DIRECTIONS.

- GRADING DETAILS**
- CURB INLET
 - STORM DRAIN CLEAN OUT
 - 5" CURB INLET PER NTCOG STANDARD DETAIL (CITY'S REVISION)
 - POLYETHYLENE OIL SEPARATOR BY "SCHIER PRODUCTS", MODEL #05-75. CONTRACTOR TO CONTACT JUSTIN SAMPLES WITH MORRISON SUPPLY # 469-433-0002 FOR ORDERING INFORMATION. MORRISON SUPPLY ORDER # 06412763
 - POLYDRAIN TRENCH DRAIN WITH DUCTILE IRON FRAME & ADA HEEL PROOF SLOTTED GRADE (PART #2516AF). CONTACT ABT, INC. AT 800-438-6057 TO ORDER. ~~ALTERNATIVE APPROVED SYSTEM IS POLYCAST TRENCH DRAIN AND CONTACT NUMBER IS 281-560-5268. CONTRACTOR TO BID 12" SLOTTED DRAIN WITH "HEEL GUARD" COVER BY CONTACT AS ALTERNATE. SEE DETAIL 730 ON DETAIL SHEET.~~

SITE CONDITIONS WITHIN CONSTRUCTION LIMITS
 TOTAL SITE AREA FOR FUEL STATION = 20,146 S.F.

SITE CONDITIONS	PERVIOUS	IMPERVIOUS
PRE-DEVELOPMENT	4,567 S.F.	15,579 S.F.
POST-DEVELOPMENT	1,290 S.F.	18,856 S.F.

* SITE DRAINAGE WILL BE SHEET FLOW TOWARD THE CURB INLET ONSITE AND EXISTING CURB INLET IN THE KROGER STORE PARKING LOT FOLLOWING EXISTING DRAINAGE PATTERN. DRAINAGE UNDER THE CANOPY AREA WILL SHEET FLOW INTO TRENCH DRAIN THROUGH OIL/WATER SEPARATOR.

DESCRIPTION	FURTHEST ISLAND	LOWEST ISLAND
1. Elevation at Top of Island	559.87	558.83
2. Min. Slope of Piping = (L) x 1/8" per foot 12	1.98	0.52
Where L1 = 190 ft., L2 = 50 ft.		
PL Concrete Drive Slab	6"	
Pipe Cover	6"	
Pipe Diameter	8"	
Pipe Connection	3"	
Tank Connection	10"	
Total	33"	
4. Grade Differential = (#2 + #3)	4.73 ft	3.27 ft
5. Top of Tanks = (#1 - #4)	555.14	555.56
6. Top of Tanks = Lowest Calculated Elevation		555.14
Check Min./Max. Burial Depth		
7. Lowest Elevation of Slab Above Tank		557.52
8. Depth of Bury = (#7 - #6)		2.38 ***
Note: If #8 < 4 ft., Set Top of Tanks at (#7 - 4.0 ft.) = 553.52 ***		
If #8 > 7 ft., Contact Owner for Certification of Burial Depth with Tank Mgr.		

AS-BUILT



INITIAL DESIGN 11/28/11 LWY CWO TJA TJA
 DATE PRN PM DES DRW

KROGER SW-575 FUEL CENTER
CEI Engineering Associates, Inc.
 ENGINEERS PLANNERS SURVEYORS
 LANDSCAPE ARCHITECTS ENVIRONMENTAL SCIENTISTS

3030 LBJ Freeway, Suite 100 (972) 488-3737
 Dallas, TX 75234 (972) 488-6732

GRADING PLAN
 2935 RIDGE ROAD
 ROCKWALL, TEXAS

DATE 12/1/11 SHEET NO. C4 OF 11
 10:07 AM AS-BUILT

$\Delta = U \frac{1}{2}$
 $R = 518.69$
 $L = 114.22$
 $Ch L = 113.99$
 $Ch B = N31^{\circ}18'09''E$

RIDGE ROAD
 (80' RIGHT-OF-WAY)
 $N 37^{\circ}36'40'' E$

LOT 18, BLOCK A
 HORIZON RIDGE ADDITION
 CABINET F, SLIDE 215

LOT 1, BLOCK A
 WALGREENS R.D.
 DETAIL ADDITION
 CABINET D, SLIDE 369

LOT 18, BLOCK A
 HORIZON RIDGE
 ADDITION
 CABINET F, SLIDE 215

LEGEND

EXISTING			
---	BOUNDARY LINE	IRS	Iron Rod Set
---	RIGHT OF WAY LINE	SS	Sanitary Sewer
---	STORM DRAIN	SW	Storm Sewer
X" G	GAS	CM	Control Manument
OHE	OVERHEAD ELECTRIC	GV	Gas Valve
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE	GM	Gas Meter
OHT	OVERHEAD TELEPHONE	WM	Water Meter
OHTV	OVERHEAD TV	FH	Fire Hydrant
X"S	SEWER	LP	LIGHT POLE & PULL BOX
UGE	UNDERGROUND ELECTRIC	IV	Irrigation Valve
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE	CO	Clean Out
UGT	UNDERGROUND TELEPHONE	AC	Air Conditioner
UGTV	UNDERGROUND TV	TV	Cable Box
X"W	WATER	SB	Signal Box
o	EAST OR ELECTRIC	SP	Signal Pole
n	NORTH	EP	Electric Box
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s	SOUTH OR SEWER	GW	Guy Wire
t	TELEPHONE	MH	Manhole
ug	UNDERGROUND	WV	Water Valve
w	WEST OR WATER	TP	Telephone Pedestal
		SV	Sign
		RF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	GRADE BREAK
---	SUB AREA
---	ACRES
---	DRAINAGE AREA DIVIDE
---	EXISTING RAINAGE AREA DIVIDE

PRE DEVELOPMENT RUNOFF SUMMARY

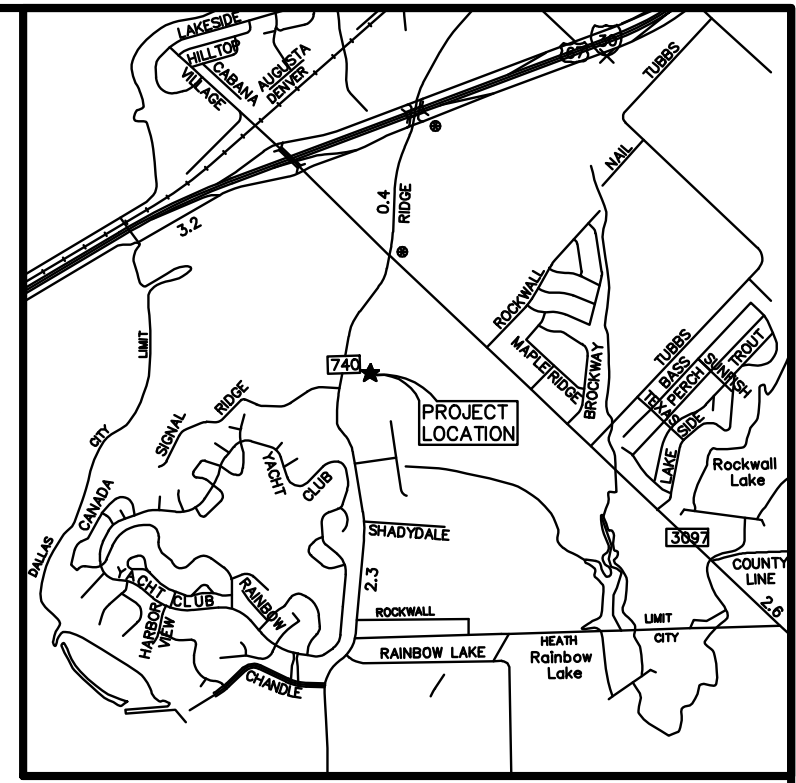
Area No.	Total Area (Ac.)	Average Runoff Coefficient "C"	TC	I100	Q100 (cfs)	
E	0.62	0.8	10.0	9.80	4.90	SHEET FLOW TO INLET A

POST DEVELOPMENT RUNOFF SUMMARY

Area No.	Total Area (Ac.)	Average Runoff Coefficient "C"	TC	I100	Q100 (cfs)	
A	0.64	0.9	10.0	9.80	5.65	SHEET FLOW TO INLET A INLET A LOCATION ADJUSTED ON POST DEVELOPMENT

INLET CALCULATIONS

INLET #	INLET TYPE	INLET SIZE	Q100 (CFS)	HEADWATER DEPTH Hd	INLET CAPACITY, Q _{cap} (CFS)
1	CURB INLET (SAG)	5'	5.65	0.5'	7.42

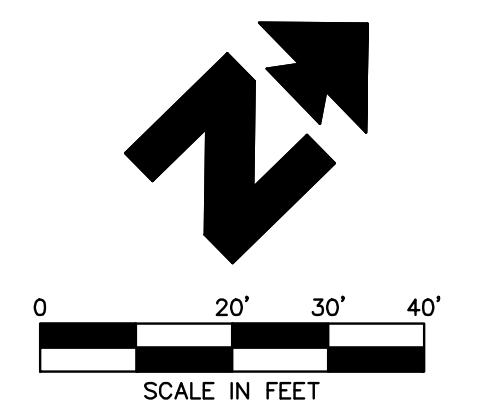


Vicinity Map

Not to Scale



TEXAS EXCAVATION
 SAFETY SERVICES
 1-800-344-8377



NOTE:
 SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF RAMPS, SLOPED PAVING, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

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 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

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JOB # 25045.0 DRAWING: 25045PROJ.dwg LAST SAVED BY: COO



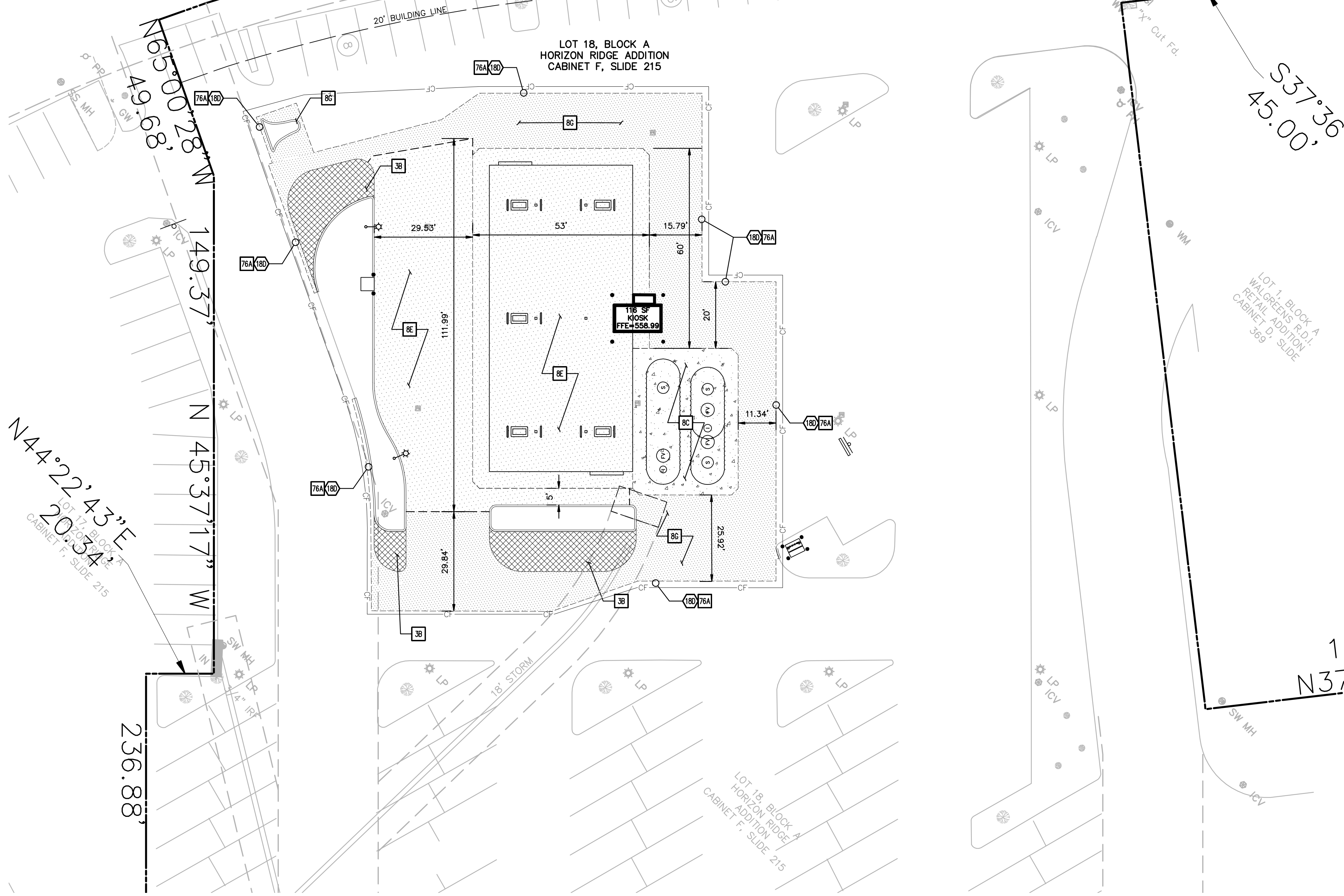
AS-BUILT

INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE	PRN	PM	DES	DES	DRW
KROGER SW-575 FUEL CENTER					
CEI Engineering Associates, Inc.					
<small>ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS</small>					
3030 LBJ Freeway, Suite 100 Dallas, TX 75234			(972)488-3737 (972)488-6732		
DRAINAGE PLAN				DATE	SHEET NO.
2935 RIDGE ROAD				12/1/11	C41 of 11
ROCKWALL, TEXAS				10:07 AM	AS-BUILT

F-7524

$\Delta = U \frac{1}{2}$
 $R = 518.69$
 $L = 114.22$
 $Ch L = 113.99$
 $Ch B = N31^{\circ}18'09" E$

RIDGE ROAD
 (80' RIGHT-OF-WAY)
 $N 37^{\circ}36'40" E$



LEGEND

EXISTING	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
X" G	GAS
OHE	OVERHEAD ELECTRIC
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TV
X"S	SEWER
UGE	UNDERGROUND ELECTRIC
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TV
X"W	WATER
e	EAST OR ELECTRIC
n	NORTH
oh	OVERHEAD
s	SOUTH OR SEWER
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SB	Signal Box
SP	Signal Pole
EP	Electric Box
PP	Power Pole
GW	Guy Wire
MH	Manhole
WV	Water Valve
TP	Telephone Pedestal
SN	Sign
IRF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	CONCRETE CURB AND GUTTER.
---	CONSTRUCTION FENCE

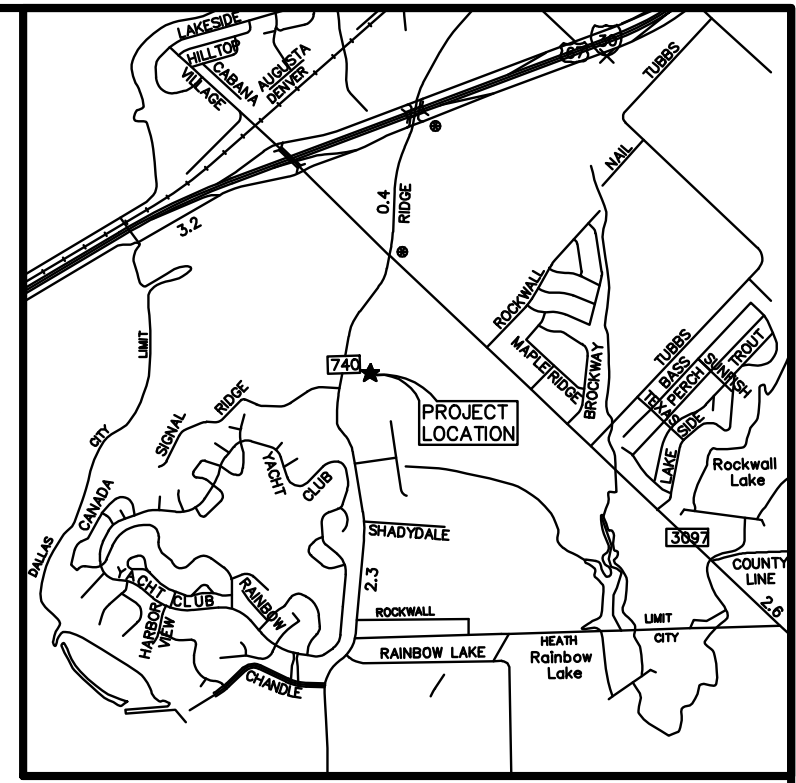
- GENERAL PAVING NOTES**
- THE PAVING CONTRACTOR SHALL COORDINATE WITH THE UTILITY & IRRIGATION CONTRACTORS TO INSURE THAT ALL SLEEVING HAS BEEN INSTALLED PRIOR TO PLACEMENT OF PERMANENT PAVEMENT.
 - ALL PAVING AND EARTHWORK OPERATIONS SHALL CONFORM TO THE RECOMMENDATIONS IN THE GEOTECHNICAL REPORT AND MEET CITY OF ROCKWALL STANDARDS.
 - REFER TO GEOTECHNICAL REPORT NO. 3250-11-5516.02 DATED JULY 14, 2011 PREPARED BY MACTEC, INC. FOR PAVING SUBGRADE PREPARATION REQUIREMENTS. CONTACT NICHOLAS R. JONES, E.I.T. 502-253-2500.
 - ALL CONNECTIONS TO EXISTING PAVING SHALL BE LONGITUDINAL BUTT JOINTS PER DETAIL 76A

PAVING DETAILS

8C	TANK CONCRETE SLAB (PER ARCH. PLAN SHEET T-3.0 & T-3.1)
8E	6" STANDARD DUTY CONCRETE PAVING
8G	8" HEAVY DUTY CONCRETE PAVING
3B	STAMPED CONCRETE MOUNTABLE CURB (CONTRACTOR TO PROVIDE ALTERNATE BID FOR STAMPED CONCRETE AREA WITH SCORED CONCRETE. PROVIDE SCORED CONCRETE PATTERN FOR KROGER APPROVAL PRIOR TO INSTALLATION)

PAVING NOTES

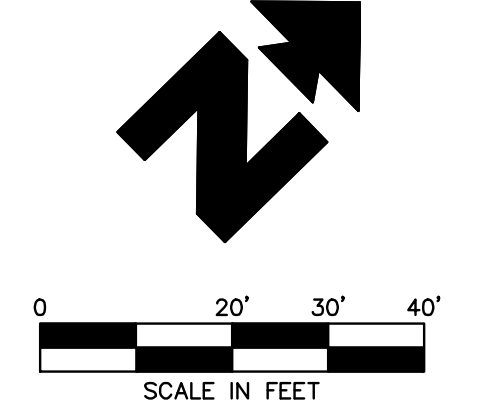
180 MATCH EXISTING PAVEMENT ELEVATIONS



Vicinity Map
Not to Scale



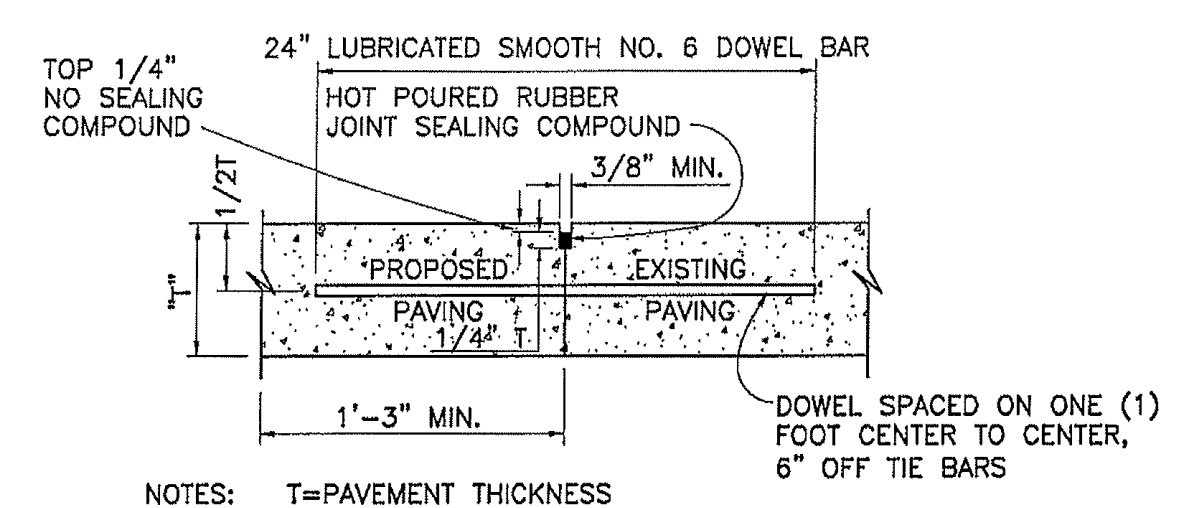
TEXAS EXCAVATION SAFETY SERVICES
 1-800-344-8377



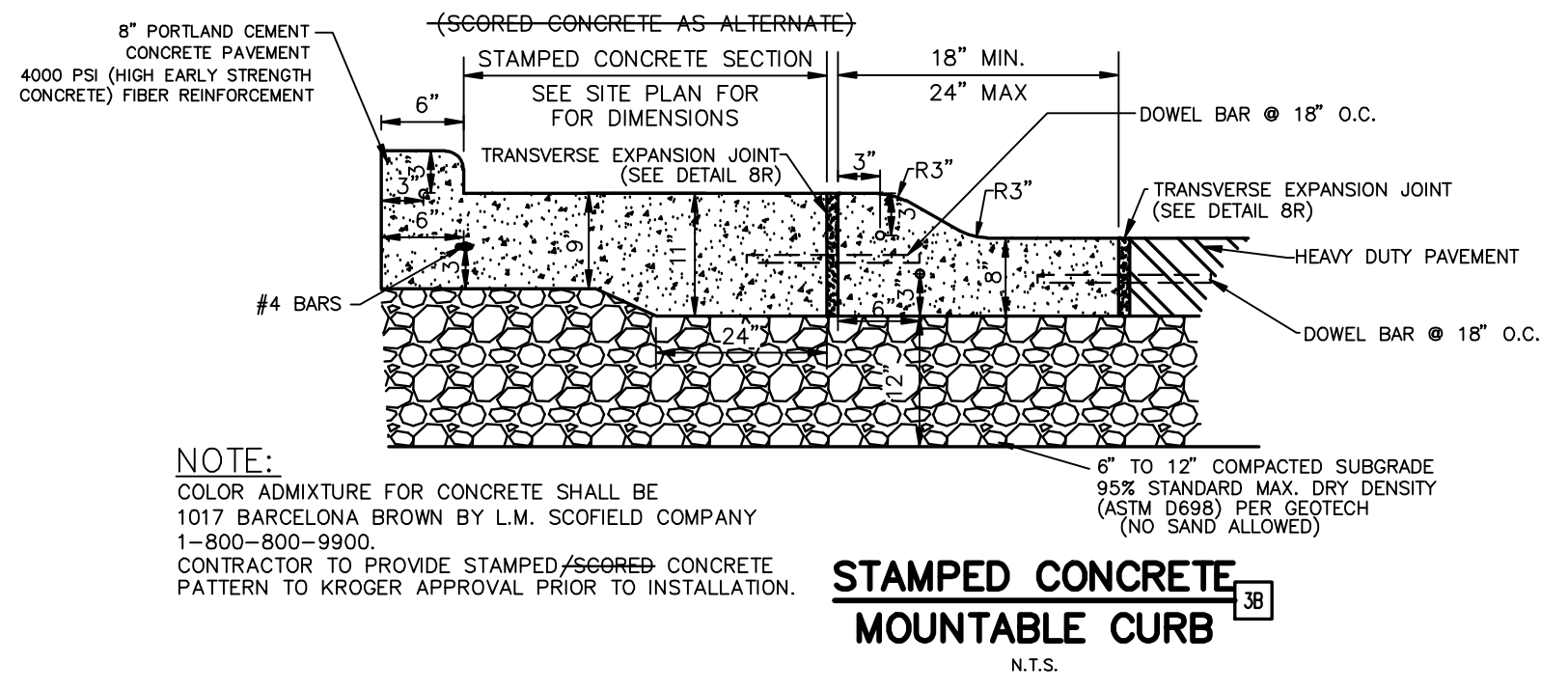
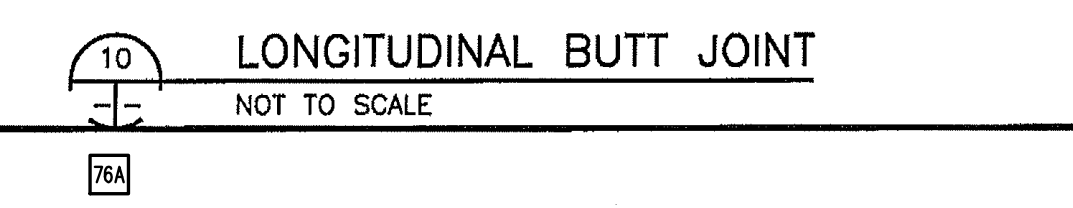
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BM #2	- A PK NAIL FOUND ELEVATION = 558.80

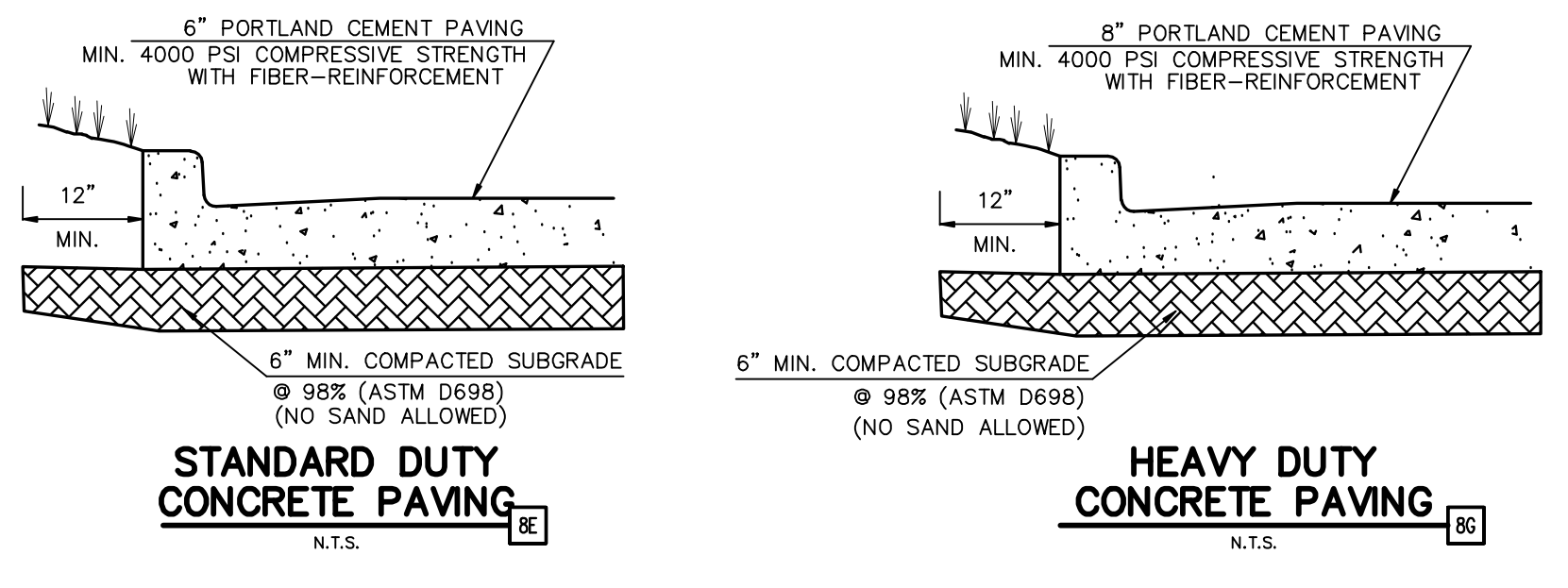


- NOTES: T=PAVEMENT THICKNESS
- LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
 - DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
- DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE NOT ACCEPTABLE



NOTE: COLOR ADMIXTURE FOR CONCRETE SHALL BE 1017 BARCELONA BROWN BY L.M. SCOFIELD COMPANY 1-800-800-8900 CONTRACTOR TO PROVIDE STAMPED/SCORED CONCRETE PATTERN TO KROGER APPROVAL PRIOR TO INSTALLATION.

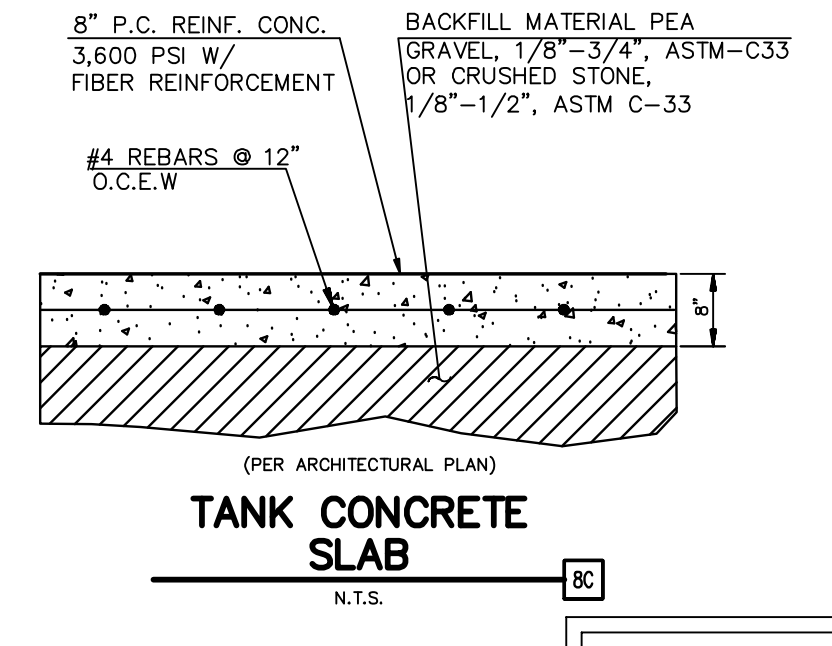
STAMPED CONCRETE MOUNTABLE CURB 3B
N.T.S.



STANDARD DUTY CONCRETE PAVING 8E
N.T.S.

HEAVY DUTY CONCRETE PAVING 8G
N.T.S.

NOTE: FOR MACHINE PLACED, MIN 6.5 SACK MIX FOR HAND PLACED, MIN 7.0 SACK MIX



TANK CONCRETE SLAB 8C
N.T.S.

AS-BUILT

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INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE	PRN	PM	DES	DRW	
KROGER SW-575 FUEL CENTER					
Engineering Associates, Inc.					
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3030 LBJ Freeway, Suite 100 Dallas, TX 75234			(972)488-3737 (972)488-6732		
PAVING PLAN 2935 RIDGE ROAD ROCKWALL, TEXAS				DATE 12/1/11 10:07 AM	SHEET NO. AS-BUILT CS OF 11
F-7524					

$\Delta = U \frac{1}{2}$
 $R = 518.69$
 $L = 114.22$
 $Ch L = 113.99$
 $Ch B = N31^{\circ}18'09" E$

RIDGE ROAD
 (60' RIGHT-OF-WAY)
 $N 37^{\circ}36'40" E$

LEGEND

EXISTING	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
X"G	GAS
OHE	OVERHEAD ELECTRIC
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TV
X"S	SEWER
UGE	UNDERGROUND ELECTRIC
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TV
X"W	WATER
o	EAST OR ELECTRIC
n	NORTH
oh	OVERHEAD
s	SOUTH OR SEWER
t	TELEPHONE
ug	UNDERGROUND
w	WEST OR WATER
IRS	Iron Rod Set
SS	Sanitary Sewer
SW	Storm Sewer
CM	Control Monument
GV	Gas Valve
GM	Gas Meter
WM	Water Meter
FH	Fire Hydrant
LP	LIGHT POLE & PULL BOX
IV	Irrigation Valve
CO	Clean Out
AC	Air Conditioner
TV	Cable Box
SB	Signal Box
SP	Signal Pole
EB	Electric Box
PP	Power Pole
GW	Guy Wire
MH	Manhole
WV	Water Valve
TP	Telephone Pedestal
SN	Sign
IRF	Iron Rod Found

PROPOSED	
---	BOUNDARY LINE
---	LIMITS OF CONSTRUCTION
X"W	WATER SERVICE
UGE	UNDERGROUND ELECTRIC SERVICE
FOC	FIBER OPTIC COMMUNICATIONS SERVICE

GENERAL UTILITY NOTES

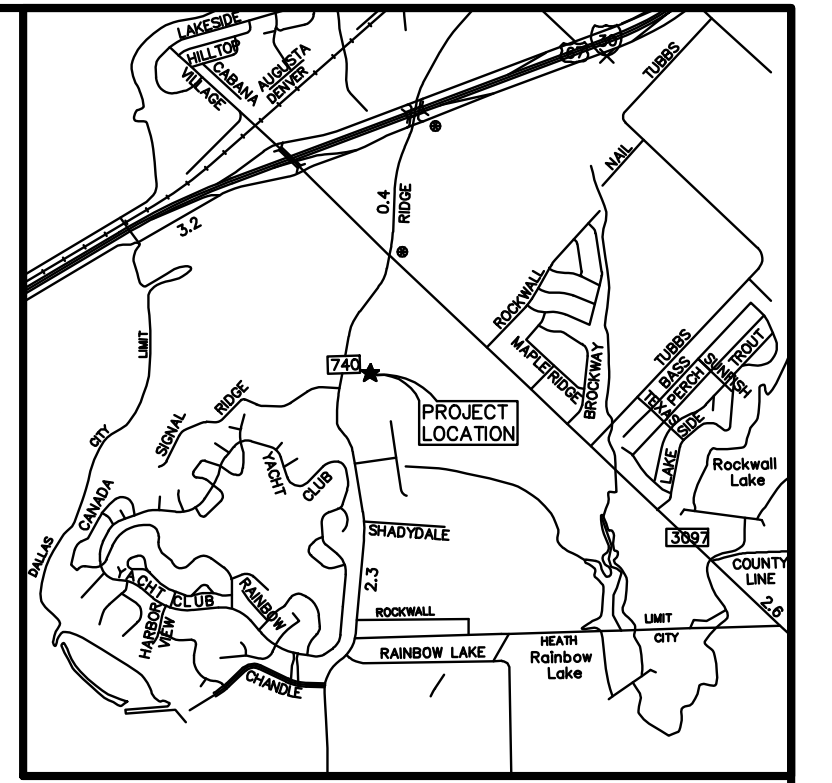
- ALL WATER LINES SHALL BE 3/4" TYPE K COPPER WITH 36" MIN. COVER.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC, TELEPHONE AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEI ENGINEERING AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEI ENGINEERING AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN SPECIFICATIONS:
ALL WATER LINE PIPE BEDDING SHALL BE INSTALLED PER DETAIL 73A.
CONTRACTOR SHALL REMOVE/REPLACE CURB & GUTTER, PAVEMENT, STRIPING FOR ALL UTILITY EXTENSIONS.

UTILITY NOTES

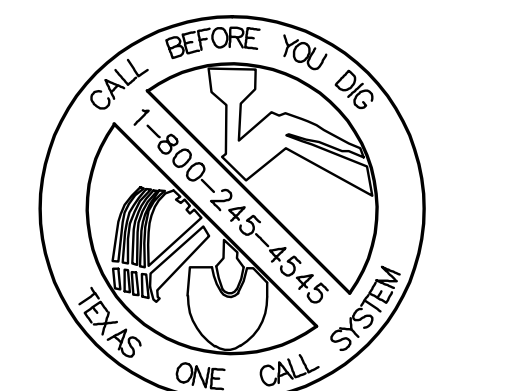
- METERED DOMESTIC WATER SERVICE ENTRANCE PER ARCH. PLANS (SEE SIZES THIS SHEET)
- POINT OF CONNECTION FOR ELECTRICAL SERVICE (PER ONCOR REQUIREMENTS)
- PROPOSED POLE MOUNTED ELECTRIC TRANSFORMER (BY ONCOR)
- VERIFY LOCATION OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY.
- LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING ASSOCIATES, INC. IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
- ALL PULL BOXES LOCATED IN PAVED AREAS SUBJECT TO TRUCK TRAFFIC SHALL BE H-20 LOAD RATED. THE TYPICAL PULL BOX SIZE SHALL BE 18 INCHES X 24 INCHES X 24 INCHES OR DEEPER WHEN THE CONDUIT ALIGNMENT IS AFFECTED BY OTHER UTILITIES. ACCEPTABLE FOR MOST LOCATIONS IS A QUARTZITE PG1730B24 BOX WITH PG1730H400 LID (STRONGWELL LENOIR CITY DIVISION 800-346-3026) OR APPROVED EQUAL. THE PULL BOX SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATION WITH A CONCRETE COLLAR AND A MINIMUM OF 8 INCHES OF GRAVEL COMPACTED PER PROJECT SPECIFICATIONS. IF USING A PULL BOX TO CHANGE DIRECTION THE MINIMUM BOX SIZE SHALL BE 48 INCHES X 48 INCHES X 24 INCHES PRECAST CONCRETE WITH SEPARATE MANHOLE LID AND COLLAR.
- DIRECTIONAL BORINGS PER LOCAL CODES.
- WATER SERVICE CONNECTION (PER CITY STANDARDS)
- BACKFLOW PREVENTER (PER LOCAL CODES AND SPECIFICATIONS)
- PROVIDE AND INSTALL 3/4" HOSE BIB. ATTACH HOSE BIB TO KIOSK WALL. CONTRACTOR TO PROVIDE INSULATION FOR THE PIPE ABOVE GROUND.
- 3/4" WATER LINE FOR HOSE BIB CONNECTION.
- COMMUNICATION SERVICE ENTRY (PER ARCH. PLANS)
- ELECTRIC SERVICE ENTRY (PER ARCH. PLANS)
- PROVIDE & INSTALL (1) 3/4" CONDUITS WITH PULL STRINGS FROM KIOSK TO VENT RISER
- PROVIDE & INSTALL (1) 3/4" CONDUIT FROM KIOSK TO AIR/WATER
- FUEL CONTRACTOR RESPONSIBLE FOR INSTALLING ELECTRICAL WIRING AND CABLES IN CONDUITS.
- PROVIDE & INSTALL (2) 2" CONDUITS WITH PULL STRINGS FROM KIOSK TO EXISTING KROGER BUILDING. (1) CONDUIT FOR COMMUNICATION CABLES.
- CONTRACTOR TO INSTALL CONDUITS FOR FOC COMMUNICATIONS SERVICE FROM KIOSK TO ECR ROOM (CABLES AND CONNECTION BY OTHERS).
- CONTRACTOR TO AVOID CONFLICT WITH GAS PRODUCT LINES.
- ONCOR TO INSTALL A NEW POWER POLE, POLE MOUNTED TRANSFORMER, WIRES FROM KIOSK TO POWER POLE, AND ALL ABOVEGROUND POWER LINES AND CONDUITS CONNECTIONS. CONTRACTOR IS RESPONSIBLE TO INSTALL 1 - 3" GREY CONDUIT WITH PULL TAPES PER ONCOR STANDARD FROM THE KIOSK TO THE BOTTOM OF THE POWER POLE AND COORDINATE WITH PHILLIP DICKINSON (972-551-6712) WITH ONCOR FOR POWER CONNECTION SCHEDULE. CONTRACTOR TO COORDINATE WITH ONCOR FOR METER LOCATION. METER IS PROVIDED BY ONCOR AND INSTALLED BY CONTRACTOR.

APPROVED PULL TAPES	CONDUIT SIZE	MANUFACTURER	CATALOG NO.
3"	ARCO	DL WP 25	
	FIBERTEK	WP2500	
	NEPTCO, INC.	WP2500P	

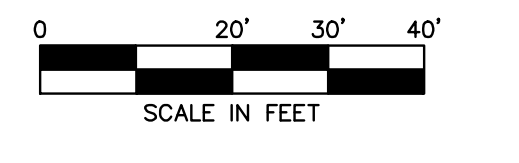
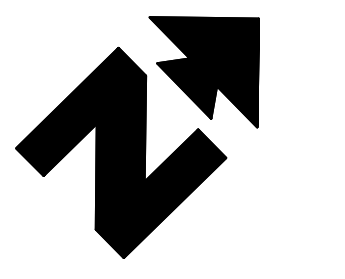
- CONTRACTOR TO REROUTE EXISTING LIGHTING CONDUITS AND WIRES AVOID FUEL STATION.
- ONCOR CONDUIT MUST HAVE MINIMUM OF 1 FOOT VERTICAL SEPARATION AND 5 FEET HORIZONTAL SEPARATION WITH OTHER UTILITY LINES.



Vicinity Map
Not to Scale



TEXAS EXCAVATION SAFETY SERVICES
1-800-344-8377

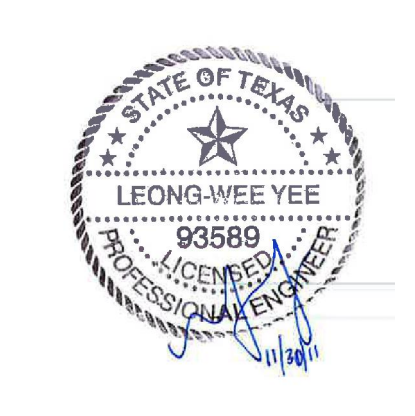


BENCHMARK INFORMATION:
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 BM #2 - A PK NAIL FOUND ELEVATION = 558.80

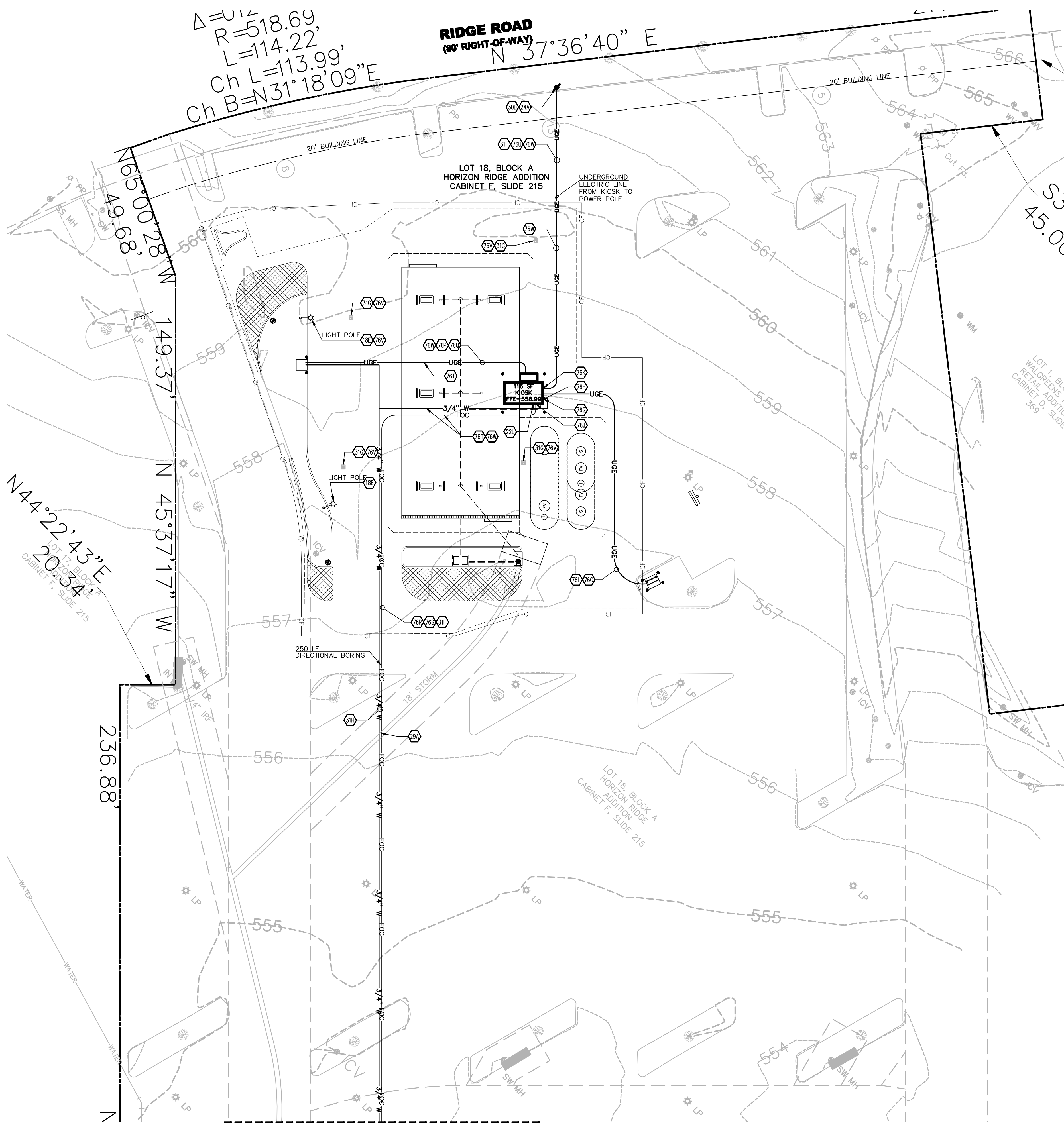
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

AS-BUILT

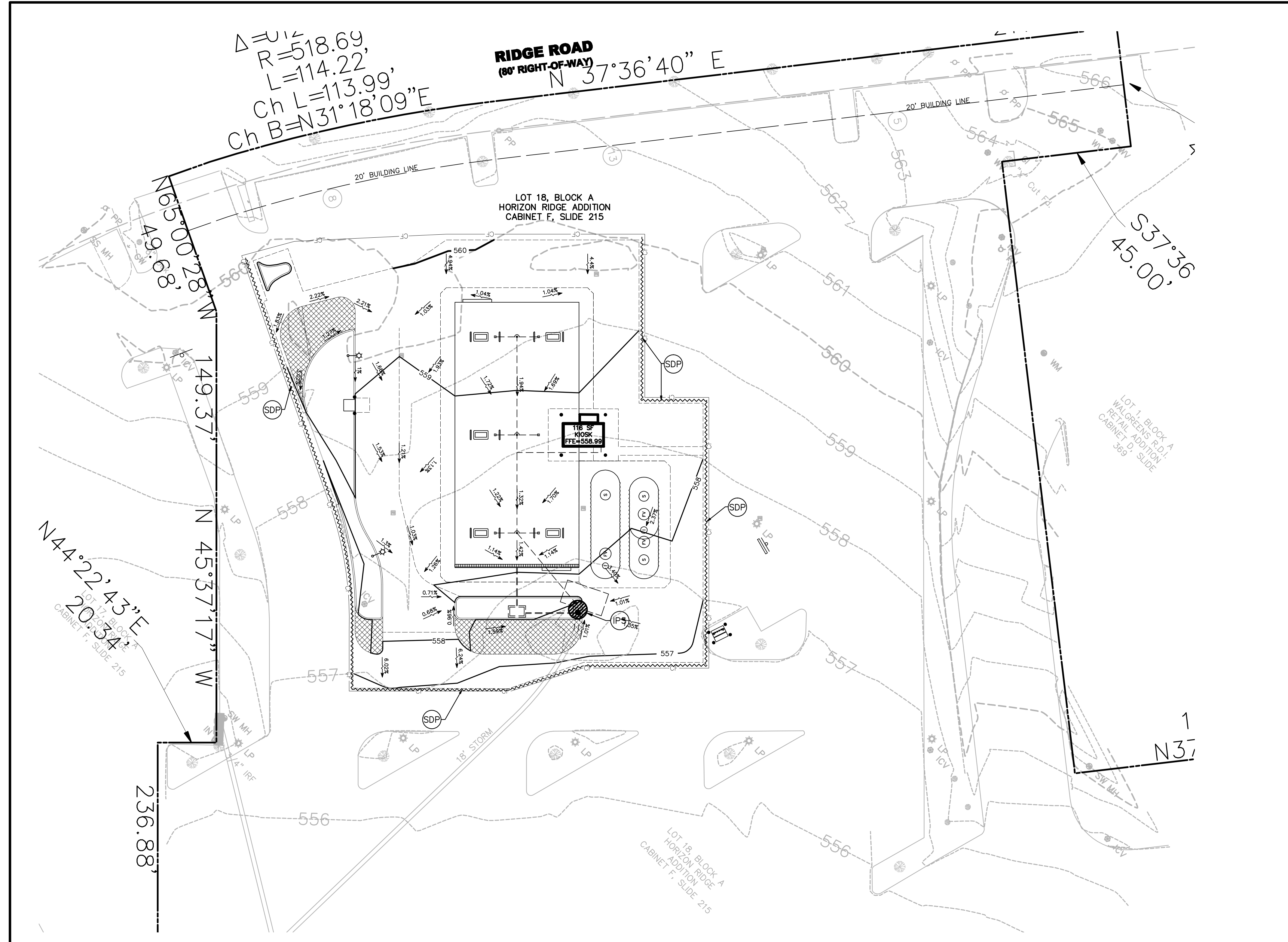
INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE	PRN	PM	DES	DRW	
KROGER SW-575 FUEL CENTER					
CEI Engineering Associates, Inc.					
ENGINEERS • PLANNERS • SURVEYORS LANDSCAPE ARCHITECTS • ENVIRONMENTAL SCIENTISTS					
3030 LBJ Freeway, Suite 100 Dallas, TX 75234			(972)488-3737 (972)488-6732		
UTILITY PLAN 2935 RIDGE ROAD ROCKWALL, TEXAS				DATE 12/1/11 10:07 AM	SHEET NO. C6 OF 11 AS-BUILT



F-7524



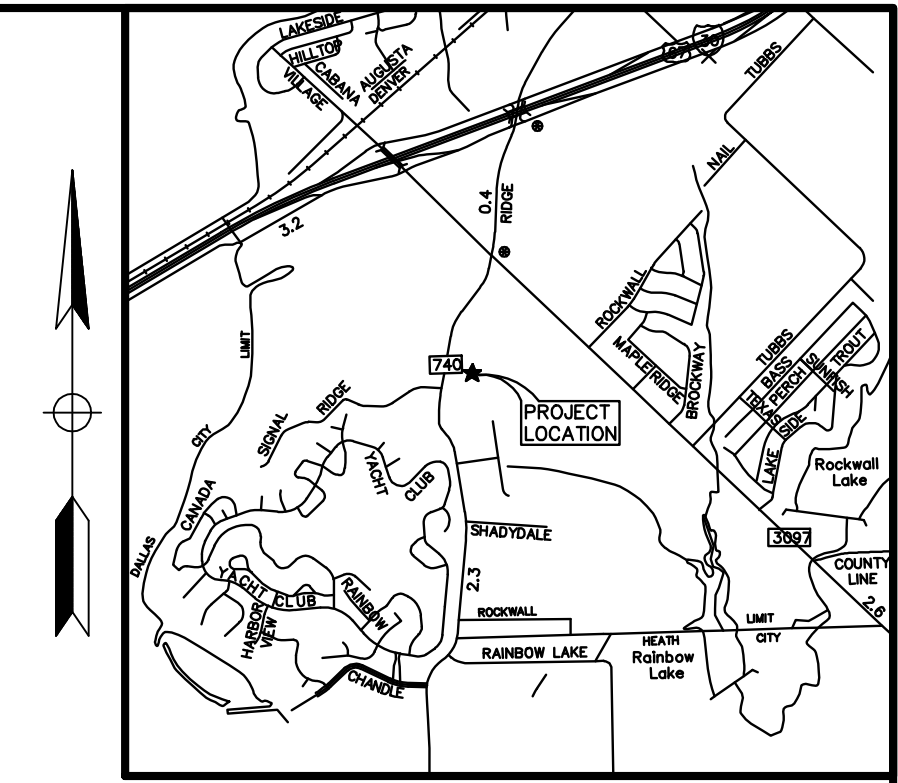
SEE OVERALL SITE PLAN FOR CONNECTION TO EXISTING WATER LINE



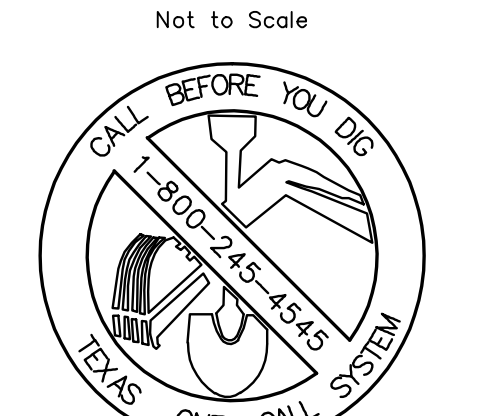
LEGEND

EXISTING	
---	BOUNDARY LINE
---	RIGHT OF WAY LINE
---	STORM DRAIN
X" G	GAS
OHE	OVERHEAD ELECTRIC
OHE&T	OVERHEAD ELECTRIC AND TELEPHONE
OHT	OVERHEAD TELEPHONE
OHTV	OVERHEAD TV
X"S	SEWER
UGE	UNDERGROUND ELECTRIC
UGE&T	UNDERGROUND ELECTRIC AND TELEPHONE
UGT	UNDERGROUND TELEPHONE
UGTV	UNDERGROUND TV
X"W	WATER
EAST OR ELECTRIC	
NORTH	
OVERHEAD	
SOUTH OR SEWER	
TELEPHONE	
UNDERGROUND	
WEST OR WATER	

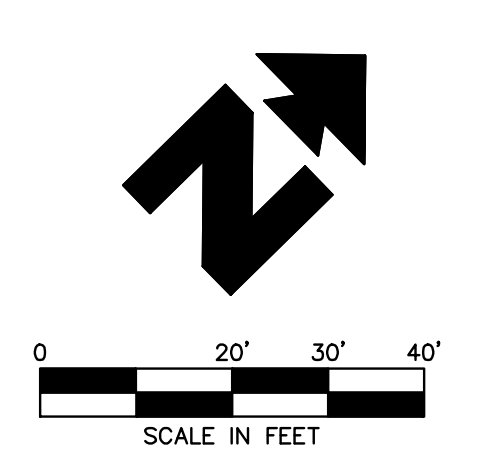
IRS	Iron Rod Set
SS	Sanitary Sewer
SW	Storm Sewer
CM	Control Manument
GV	Gas Valve
GM	Gas Meter
WM	Water Meter
FH	Fire Hydrant
LP	LIGHT POLE & PULL BOX
IV	Irrigation Valve
CO	Clean Out
AC	Air Conditioner
TV	Cable Box
SB	Signal Box
SP	Signal Pole
EP	Electric Box
PP	Power Pole
GW	Guy Wire
MH	Manhole
WV	Water Valve
TP	Telephone Pedestal
SN	Sign
IRF	Iron Rod Found



Vicinity Map



TEXAS EXCAVATION SAFETY SERVICES
1-800-344-8377



NOTE: SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF RAMPS, SLOPED PAVING, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

PROPOSED

---	BOUNDARY LINE
---	CONSTRUCTION FENCE
---	LIMITS OF CONSTRUCTION
---	CONTOUR ELEVATIONS
---	GRADE BREAK LINE
X"X	FLOW

EROSION DETAILS

SDP	SILT DIKE (ON EXISTING PAVEMENT)
IP5	GRAVEL CURB INLET SEDIMENT FILTER

MAINTENANCE

ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT, AND SHOULD BE CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED.
2. SILT DIKE PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR SHALL BE REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
3. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

- ### SEQUENCE OF CONSTRUCTION
1. PREPARE TEMPORARY PARKING AND STORAGE AREA.
 2. BEGIN GRADING THE SITE.
 3. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
 4. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES.
 5. PREPARE SITE FOR PAVING.
 6. PAVE SITE.
 7. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
 8. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).

BENCHMARK INFORMATION:

BM #1 - AN "X" CUT FOUND ELEVATION = 563.79
BM #2 - A PK NAIL FOUND ELEVATION = 558.80

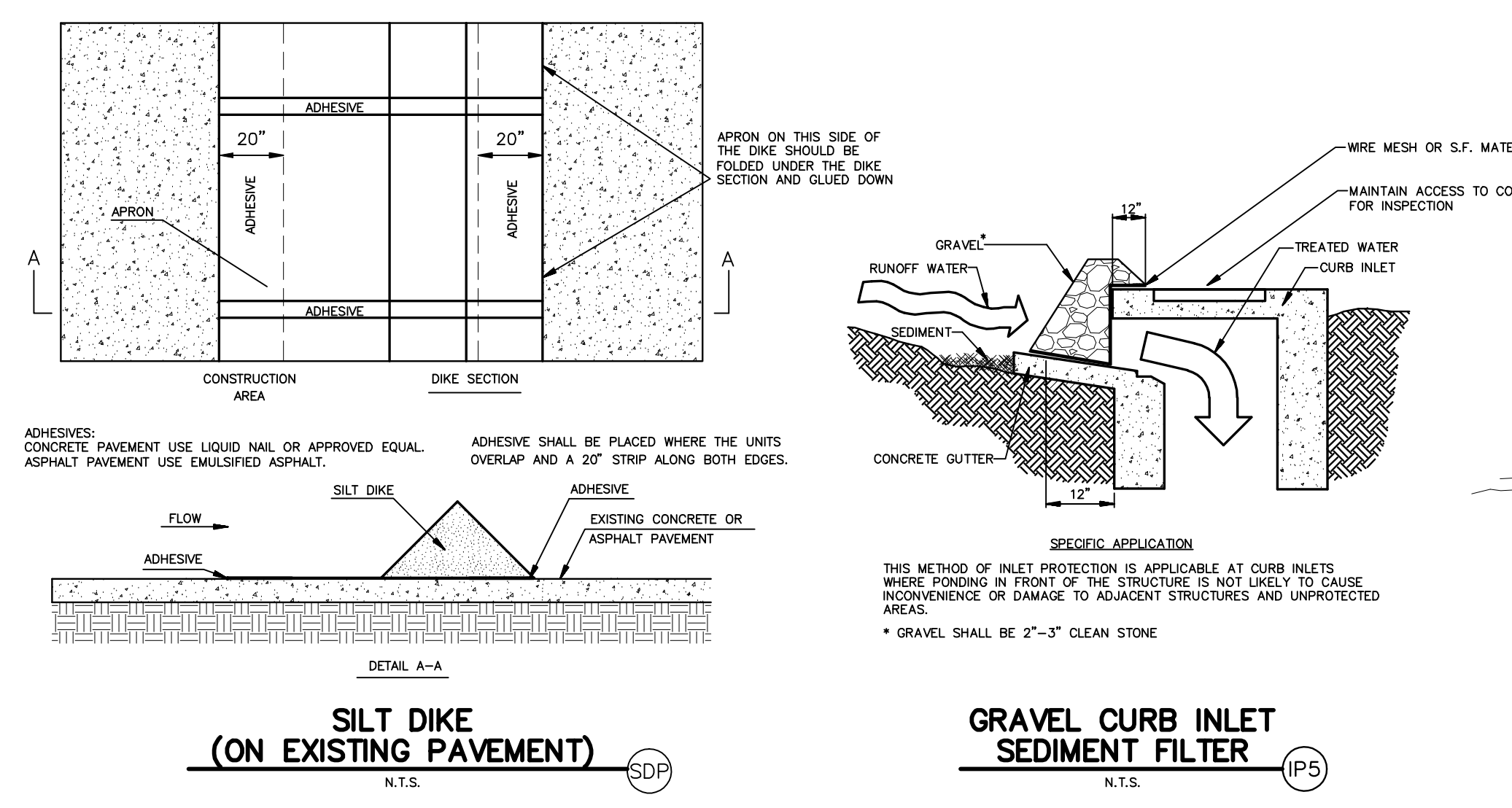
FLOOD NOTE:

According to the Federal Emergency Management Agency, Flood Insurance Rate Map Community Panel No. 48113C 0360 K, dated February 5, 2003, and 48113C 0370 J, dated August 23, 2001, this property is within Flood Zone X.
Zone X - Areas determined to be outside the 500-year floodplain.

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

LIMITS OF DISTURBANCE
22,482 SF | 0.52 ACRE

- ### GENERAL EROSION NOTES
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF TEXAS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AREA, EQUIPMENT CLEANING AREA, EMPLOYEE BREAK AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS AND TOILET FACILITIES. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNER'S CONSTRUCTION MANAGER.
 - ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORM WATER THAT IS DISCHARGED FROM THE SITE.
 - MAINTAIN ON THE SITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
 - DUST ON THE SITE SHALL BE CONTROLLED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
 - NO RUBBISH, TRASH, GARBAGE OR OTHER SUCH MATERIALS SHALL BE DISCHARGED INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
 - ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
 - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDDED WITHIN 14 DAYS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDDED. THESE AREAS SHALL BE SEEDDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE LANDSCAPE PLAN.
 - IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER.
 - ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
 - IF SOIL STOCKPILING IS EMPLOYED ON THE SITE, SILT FENCES SHALL BE USED TO HELP CONTAIN THE SEDIMENT.
 - SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
 - ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL STABILIZATION. FINAL STABILIZATION HAS OCCURRED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN EMPLOYED.
 - DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT DIKE, ETC.) TO HELP PREVENT EROSION.
 - ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR STORM DRAINS & UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING.



AS-BUILT

INITIAL DESIGN	11/28/11	LWY	CWO	TJA	TJA
DATE	PRN	PM	DES	DRW	

KROGER SW-575 FUEL CENTER

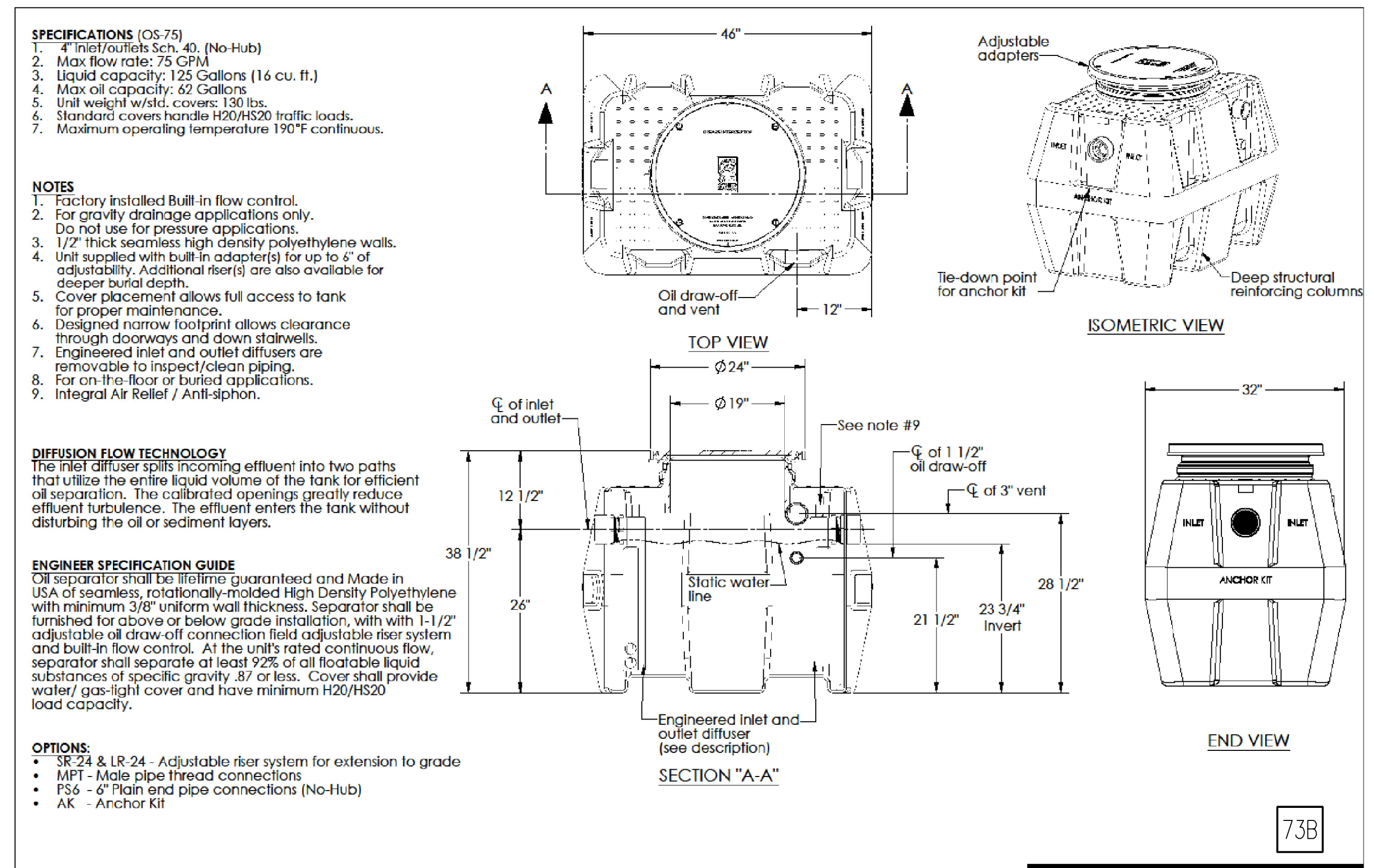
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3030 LBJ Freeway, Suite 100 (972)488-3737
Dallas, TX 75234 (972)488-6732

EROSION CONTROL PLAN DATE 12/1/11 SHEET NO. C7 of 11
2935 RIDGE ROAD 10:07 AM AS-BUILT
ROCKWALL, TEXAS

F-7524

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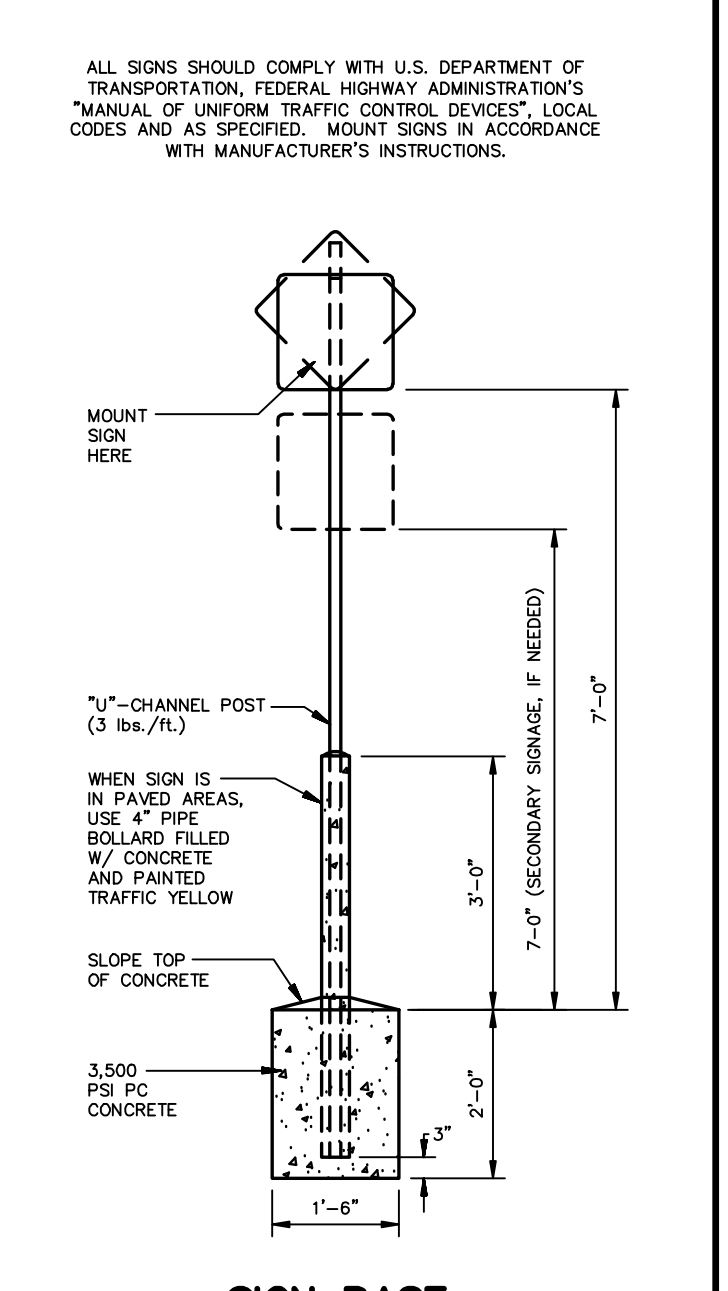
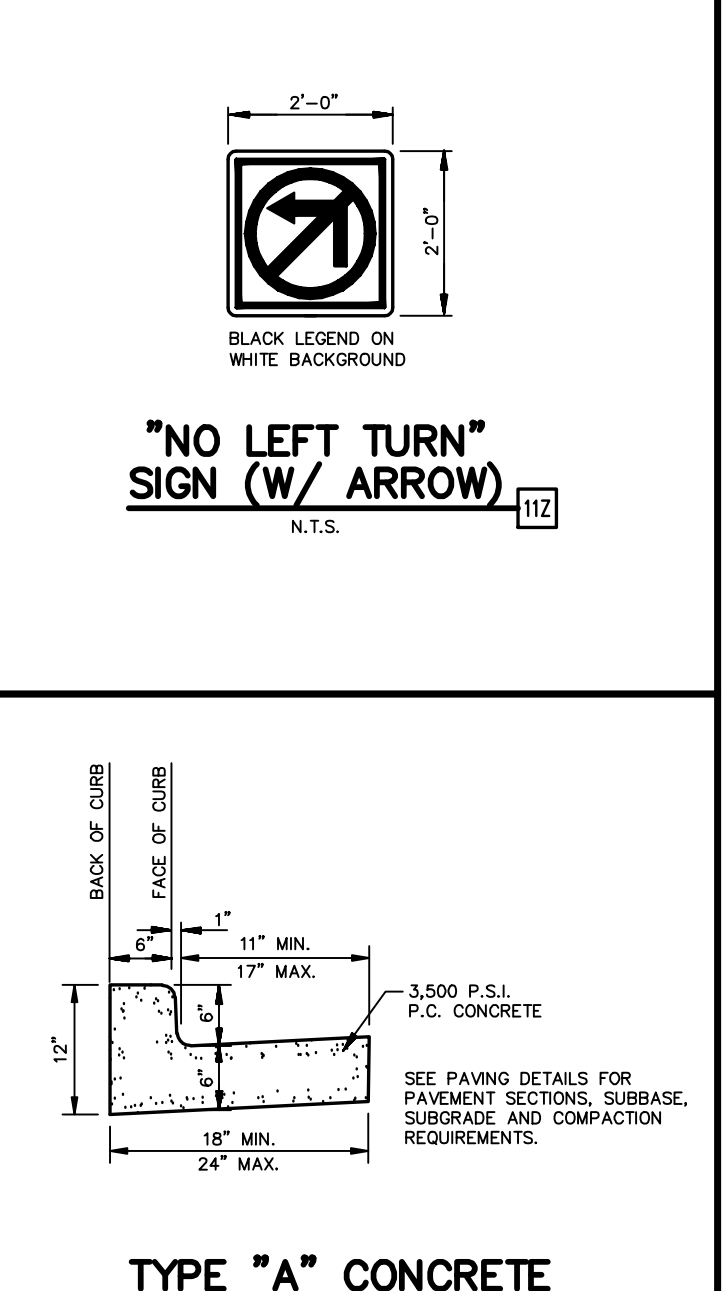
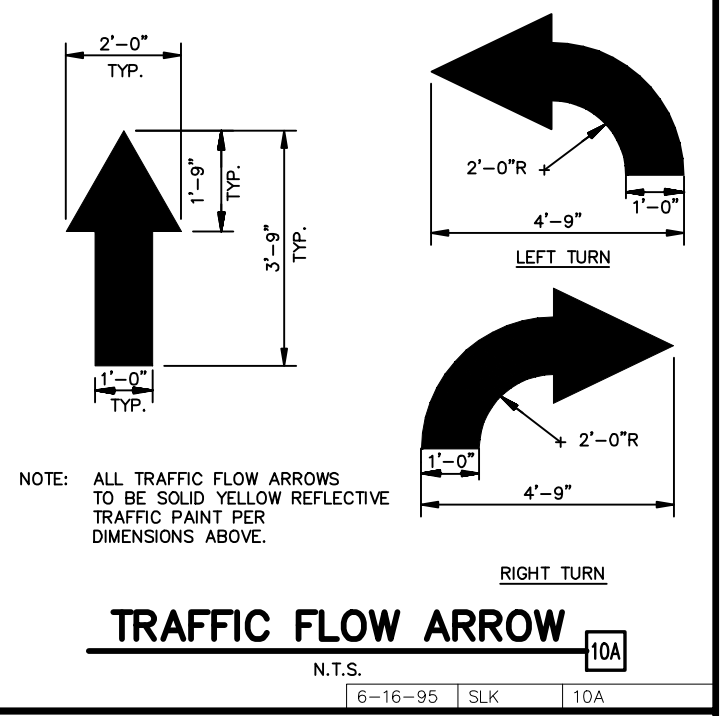
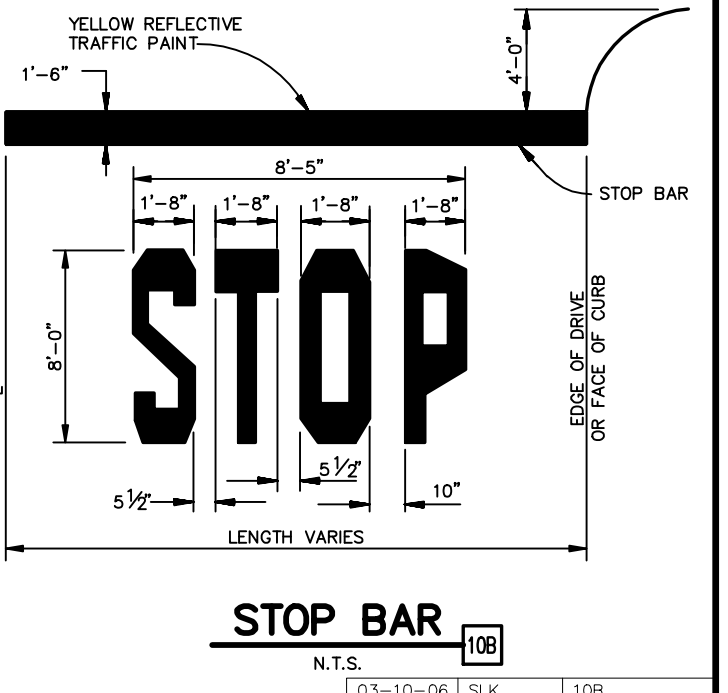
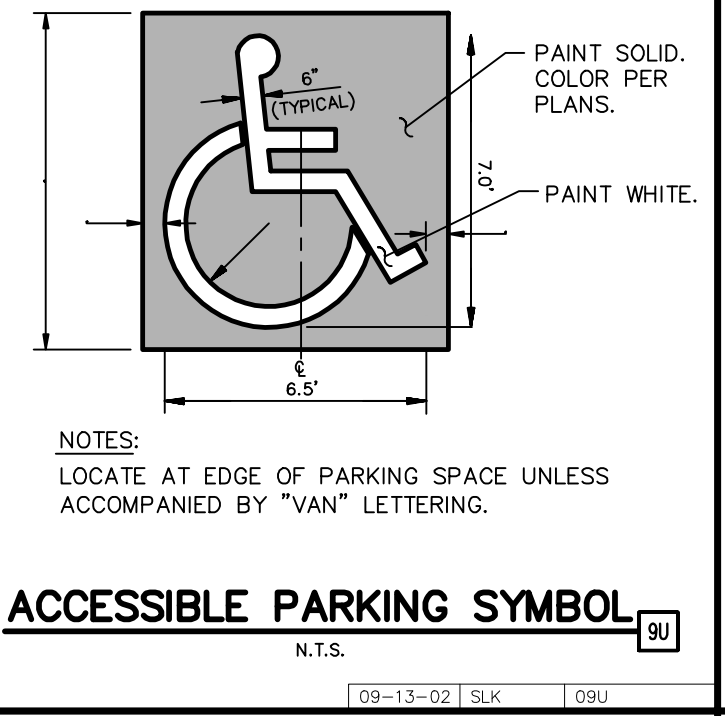
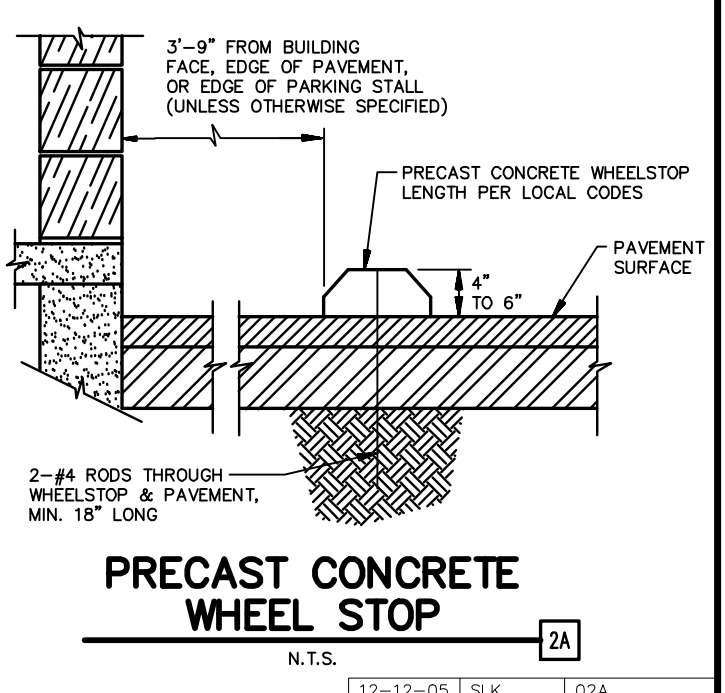
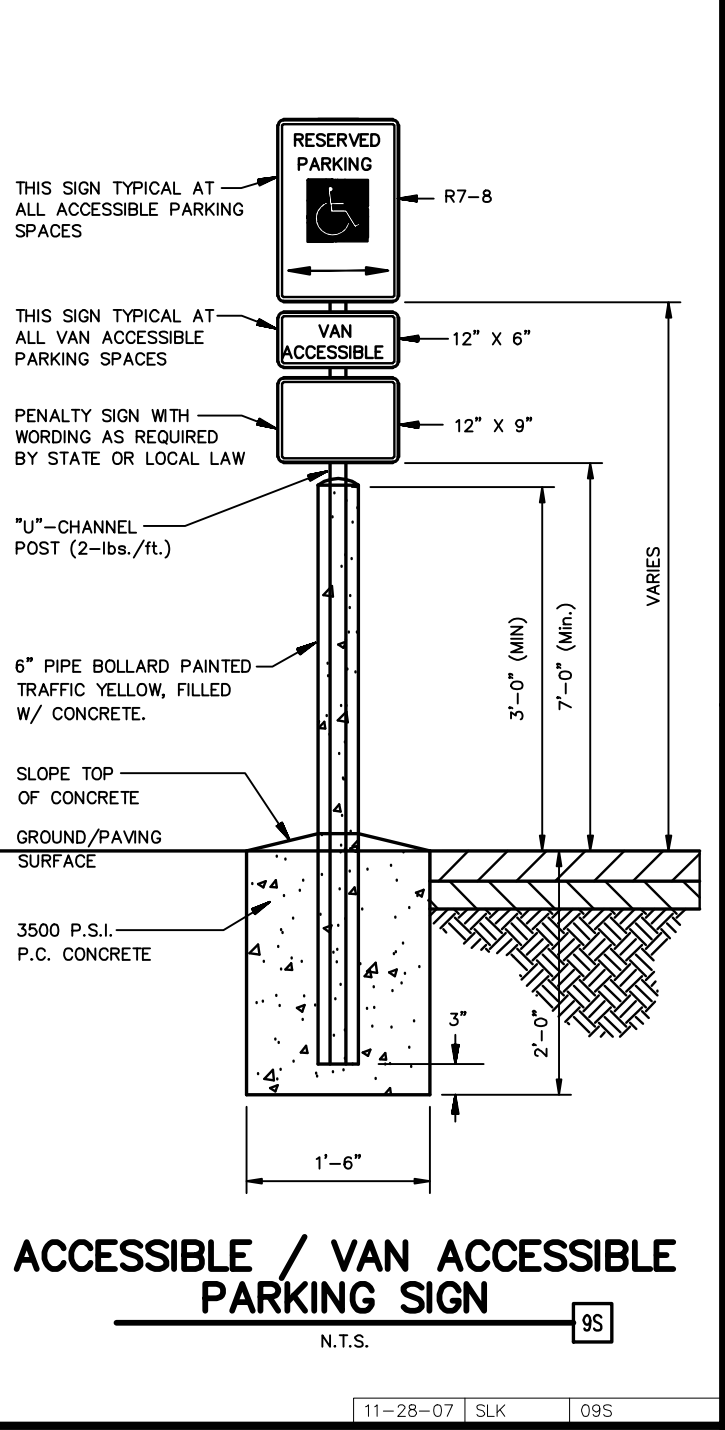
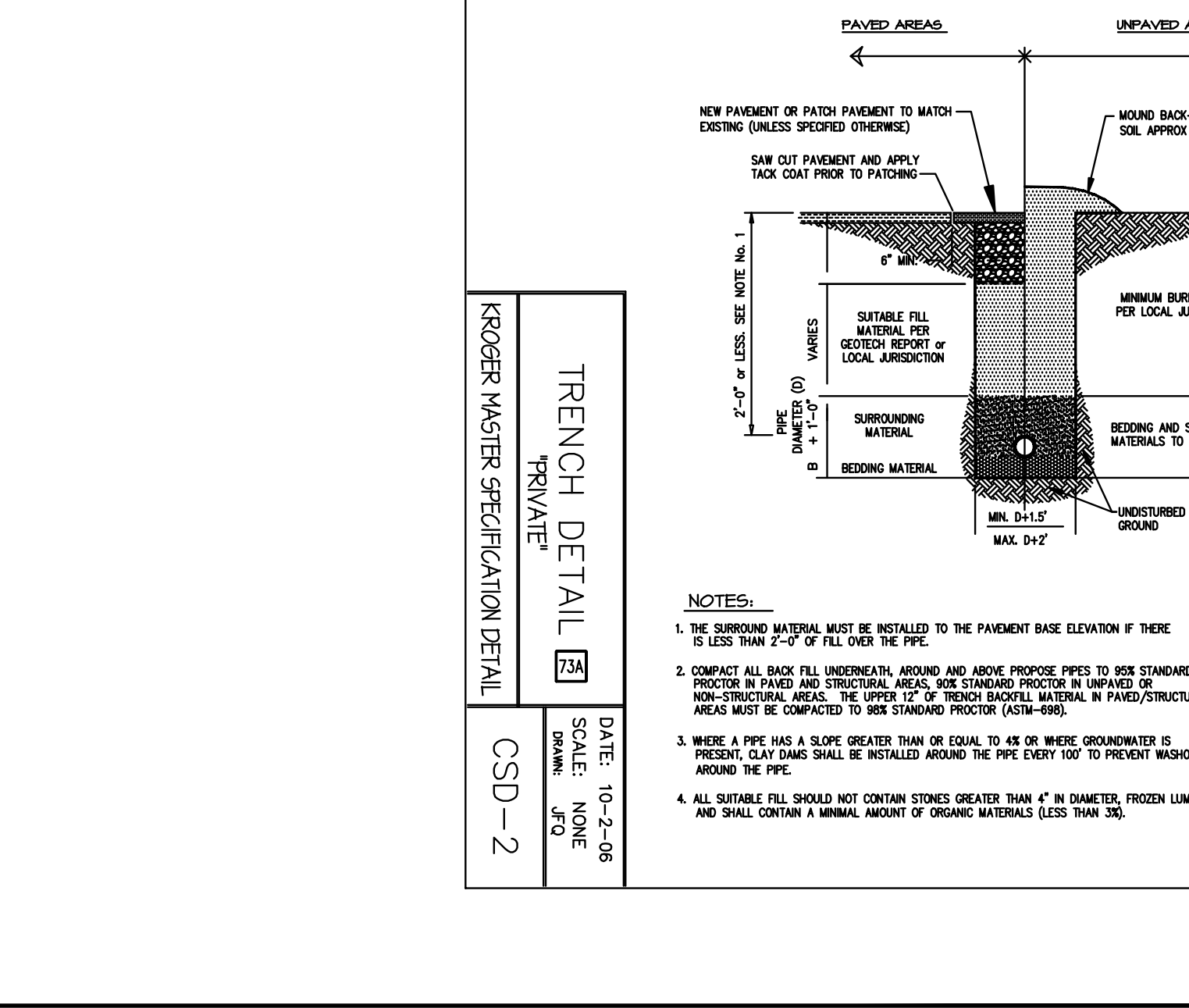
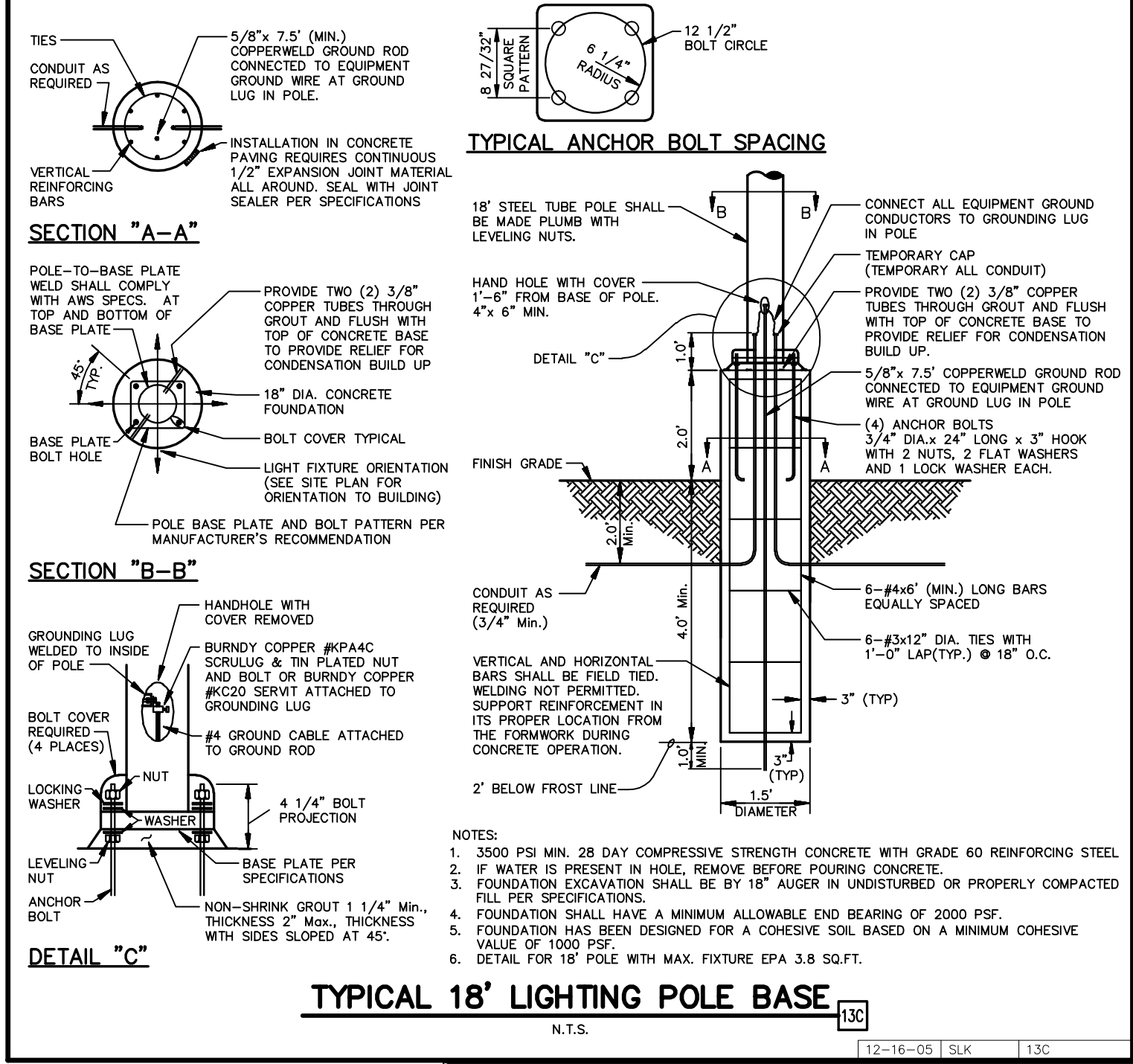
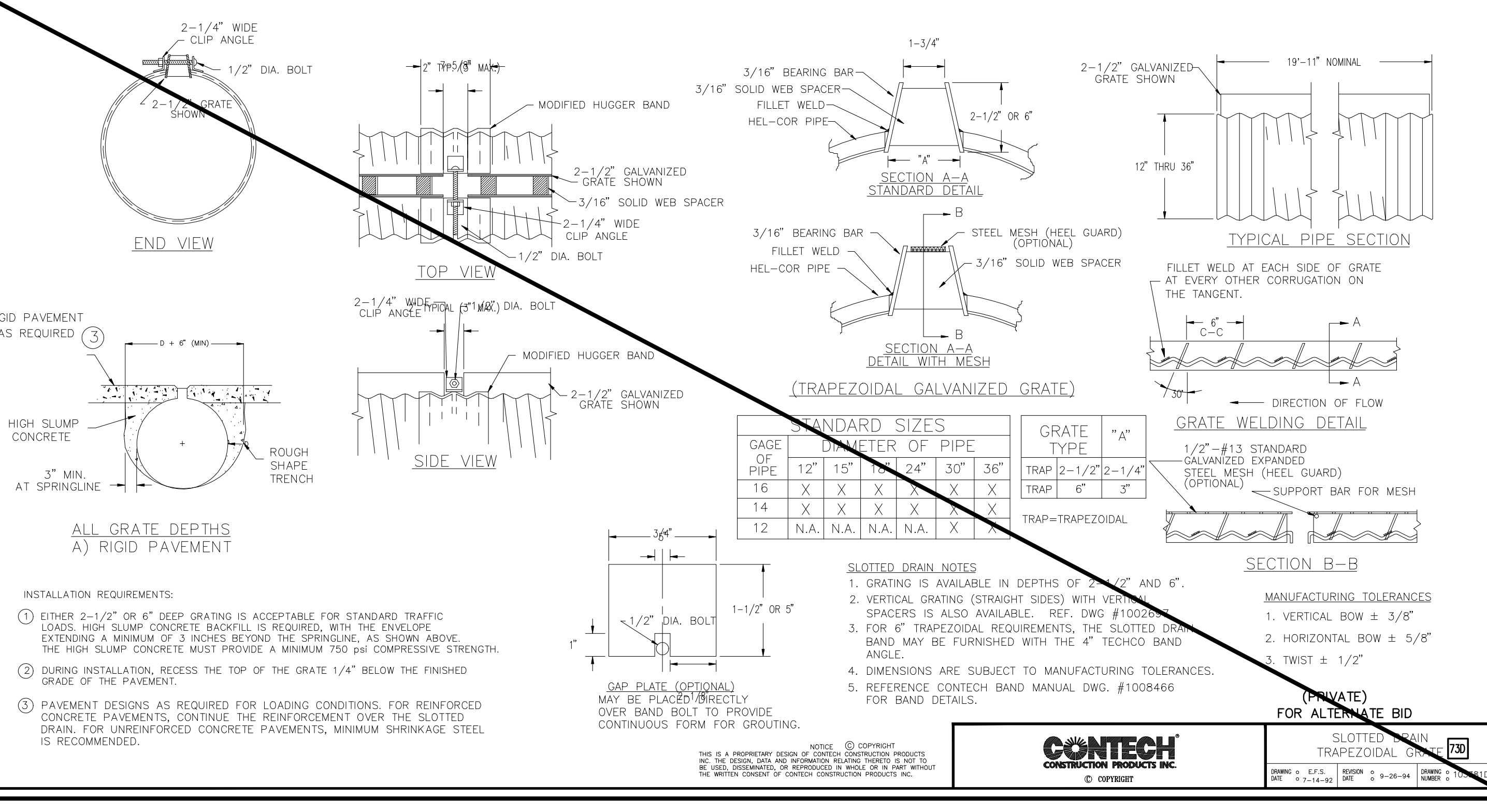
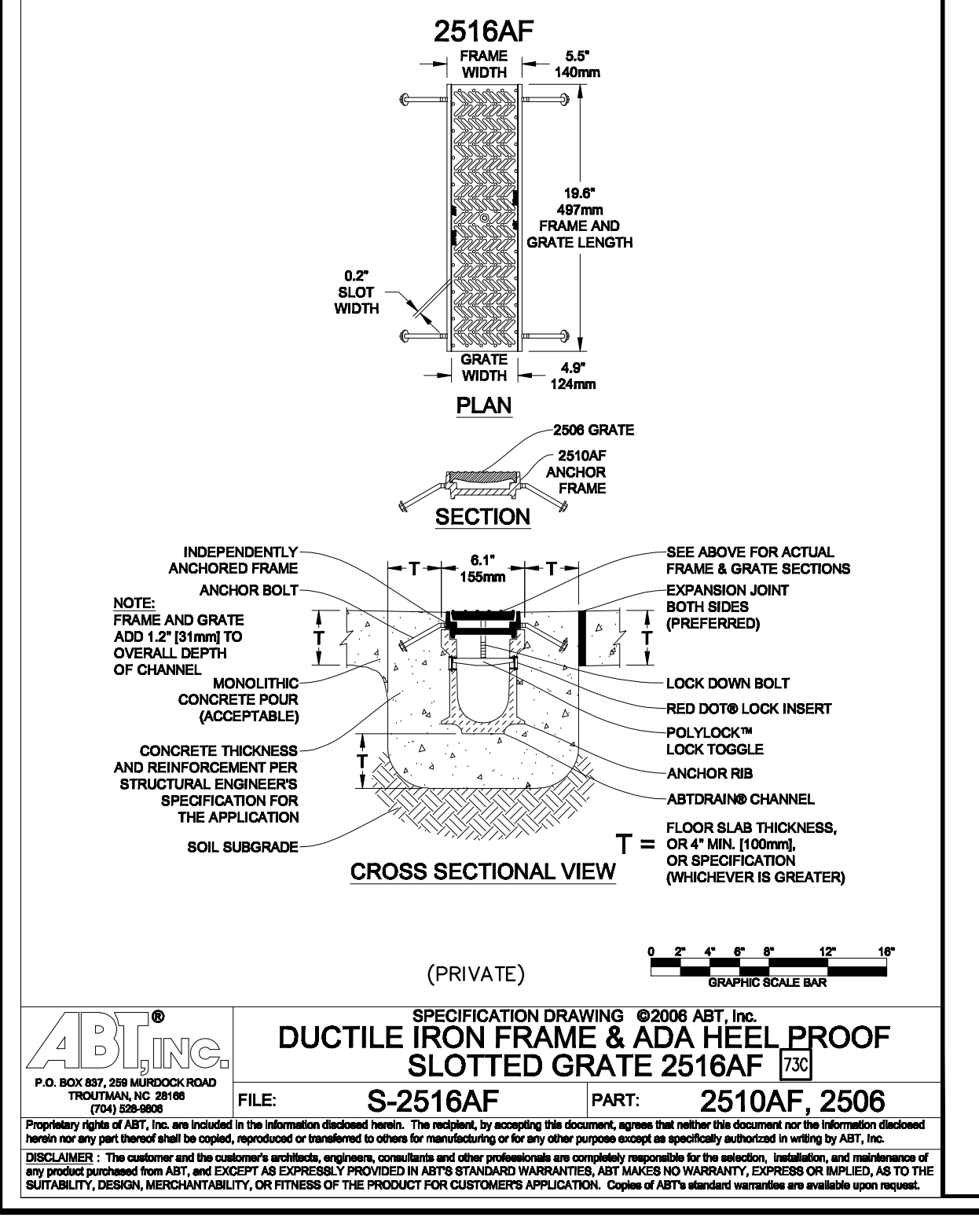
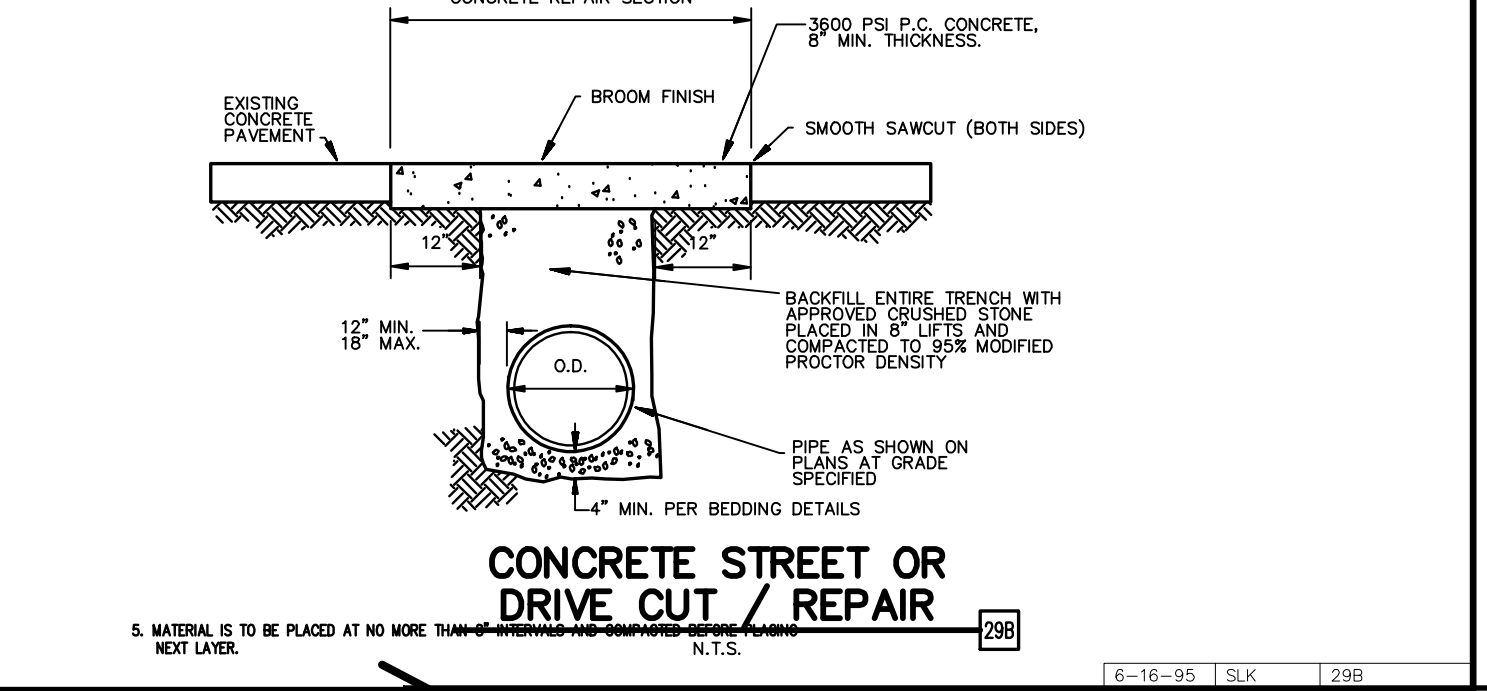
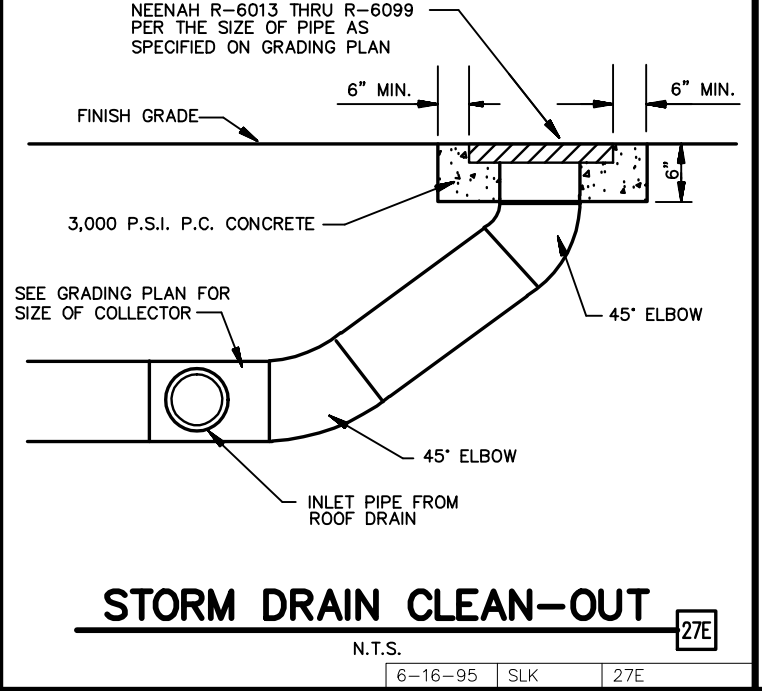
SPECIFICATION SHEET

DESCRIPTION:
75 GPM, 62 GALLONS OIL STORAGE,
125 GALLON LIQUID STORAGE CAPACITY,
POLYETHYLENE OIL SEPARATOR

Schier Products
9500 Woodend Road
Edwardsville, KS 66111
Tel: 800-827-7111
Fax: 800-827-9664
www.schierproducts.com
Made in the U.S.A.

PART NUMBER: OS-75 **MATL: HDPE**
DWG BY: TEU **DATE: 5/7/08** **REV: 1 - 3/23/11**

SCHIER PRODUCTS
Pioneering Drain Line Purify



AS-BUILT

KROGER SW-75 FUEL CENTER

Engineering Associates, Inc.
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3030 LBJ Freeway, Suite 100
Dallas, TX 75234

(972) 488-3737
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DETAIL SHEET
2935 RIDGE ROAD
ROCKWALL, TEXAS

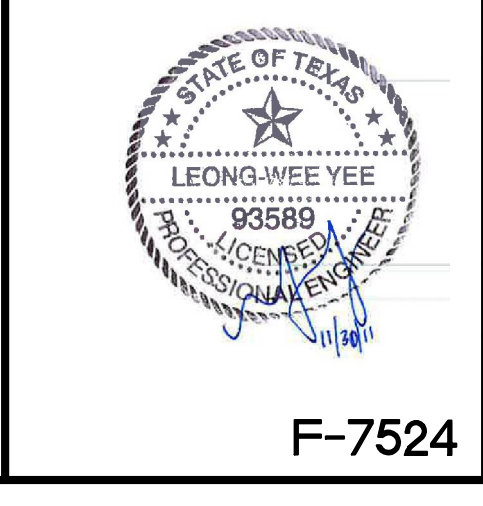
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10:07 AM
SHEET NO: C8 OF 11

JOB # 25045.0 DRAWING: 25045PROJ.dwg LAST SAVED BY: COO

CONTECH CONSTRUCTION PRODUCTS INC.

SLOTTED DRAIN TRAPEZOIDAL GALV

DATE: 5-11-08 REGION: 8-26-04 DRAWN: J. B. H. CHECKED: J. B. H. SCALE: 1" = 1'-0" SHEET: 2

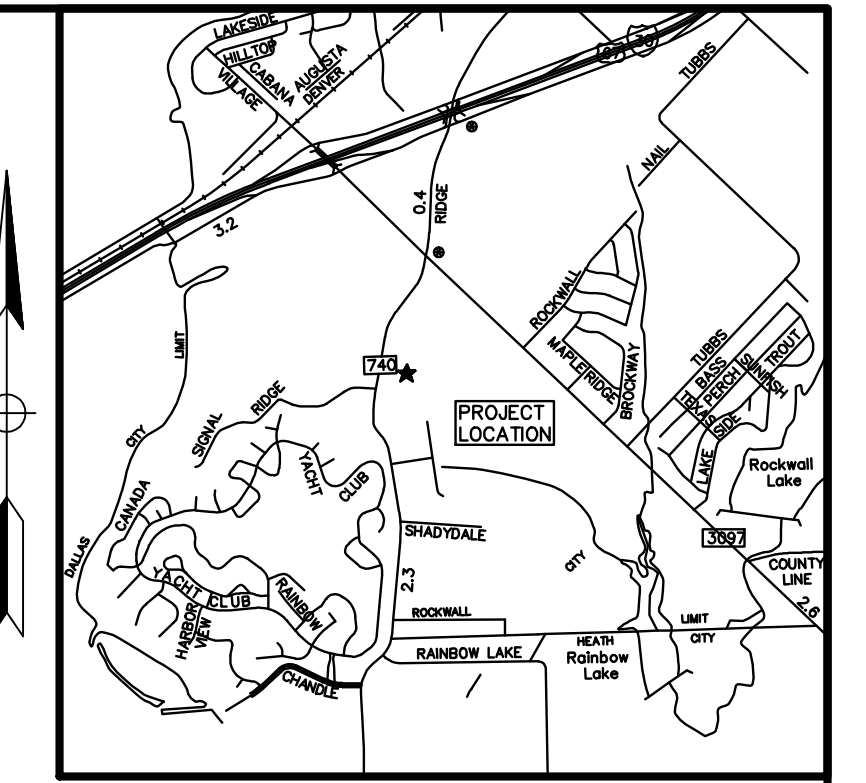
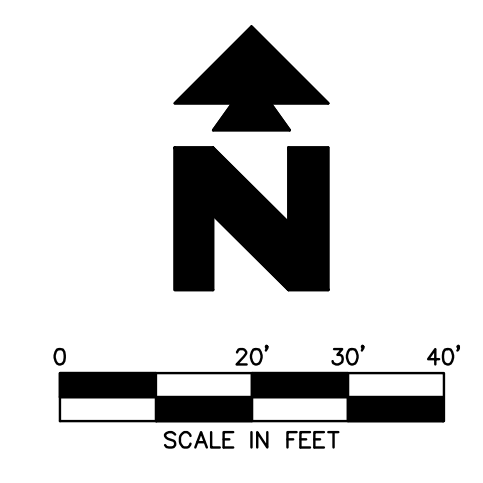


$\Delta = 012^{\circ} 37' 02''$
 $R = 518.69'$
 $L = 114.22'$
 $Ch L = 113.99'$
 $Ch B = N31^{\circ} 18' 09'' E$

RIDGE ROAD
(80' RIGHT-OF-WAY)



TEXAS EXCAVATION
SAFETY SERVICES
1-800-344-8377



Vicinity Map
Not to Scale

- PROPOSED**
- BOUNDARY LINE
 - - - RIGHT OF WAY LINE
 - TYPICAL PLANTING WITH QUANTITY AND KEY

- GENERAL LANDSCAPE NOTES**
- A. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION BEGINS.
 - B. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING.
 - C. FERTILIZE ALL PLANTS AT THE TIME OF PLANTING WITH TIME RELEASE FERTILIZER PER BRAND'S SPECIFIED APPLICATION RATES.
 - D. FERTILIZE ALL PLANTS AT THE TIME OF PLANTING WITH TIME RELEASE FERTILIZER PER BRAND'S SPECIFIED APPLICATION RATES.
 - E. HARDWOOD MULCH SHALL BE USED AS A FOUR INCH (4") TOP DRESSING IN ALL PLANT BEDS AND AROUND ALL TREES. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO THE OUTSIDE EDGE OF THE SAUCER OR LANDSCAPE ISLAND (SEE PLANTING DETAILS).
 - F. MAINTAIN 5' MIN. HORIZONTAL SEPARATION BETWEEN TREE PLANTINGS AND ALL UTILITIES.

- LANDSCAPE DETAILS**
- 50A TREE PLANTING
- LANDSCAPE NOTES**
- 1A SOD AREA

PLANT LIST

KEY	QTY	COMMON NAME/ BOTANICAL NAME	ROOT	SIZE	REMARKS
BC	10	BALD CYPRESS <i>Taxodium distichum</i>	B&B	4" CAL	PLANT AS SHOWN
LO	7	LIVE OAK <i>Quercus virginiana</i>	B&B	4" CAL	PLANT AS SHOWN
		TURF TYPE BERMUDA GRASS SOD			

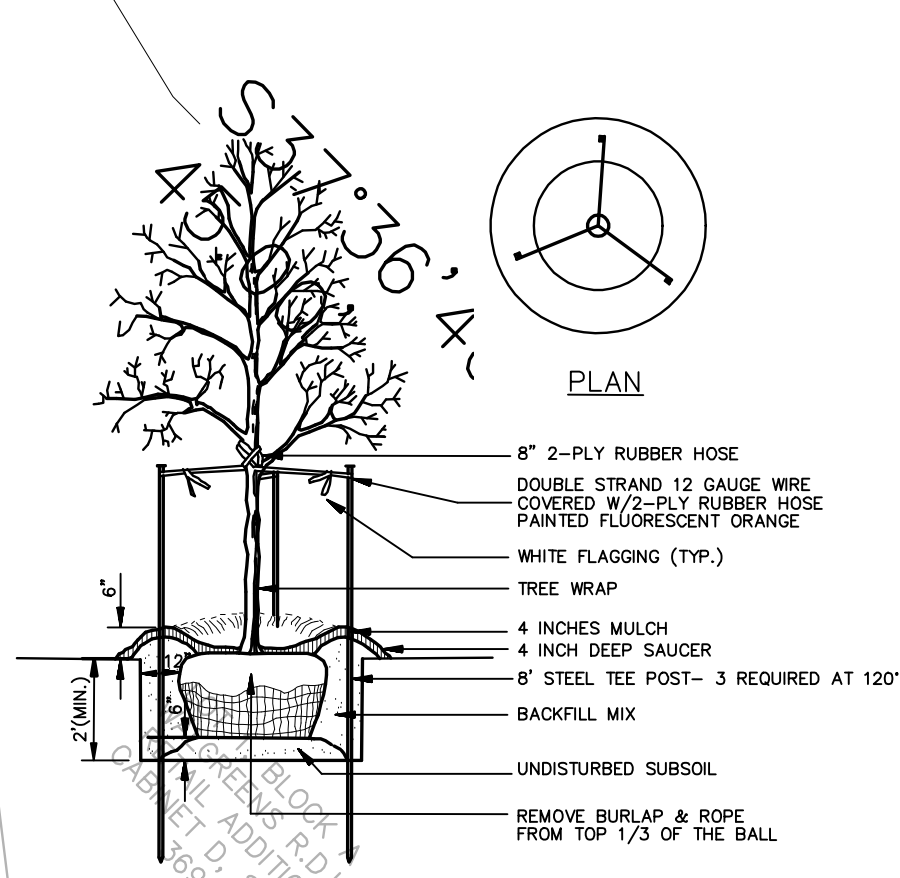
NOTE:
PROPOSED TREES TO BE PLANTED AT
LEAST 5FT AWAY FROM WATER, SEWER
AND STORM SEWER LINES,

EXISTING TREES WITHIN AREA OF DISTURBANCE

#	SPECIE	STATUS	INCH CALIPER
1	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVE	8"
2	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVE	9"
3	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVE	8"
4	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVE	10"
5	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVE	7"
6	CEDAR ELM/ <i>Ulmus crassifolia</i>	REMOVE	6"
7	BALD CYPRESS/ <i>Taxodium distichum</i>	REMOVED	12"
			TOTAL INCH CALIPER REMOVED = 60"
			TOTAL INCHES REQUIRED = 60"
			TOTAL INCHES PROVIDED = 68" (17 TREES AT 4")

CITY OF ROCKWALL, TX LANDSCAPE AND TREE MITIGATION REQUIREMENTS

TREE MITIGATION REQUIREMENT	INCHES REMOVED	REQUIRED	PROVIDED
REPLACE INCH PER INCH	60"	15 (4" CAL)	17 (4" CAL)
LANDSCAPE AREA REQUIREMENTS		PRE-PROJECT	POST-PROJECT
LOT 18 SITE AREA=312,669.33 SF	41,876.95 SF (13.4%)		38,354.45 SF (12.27%)
LANDSCAPED AREA (10% MIN) REQUIRED= 31,266.93 SF			

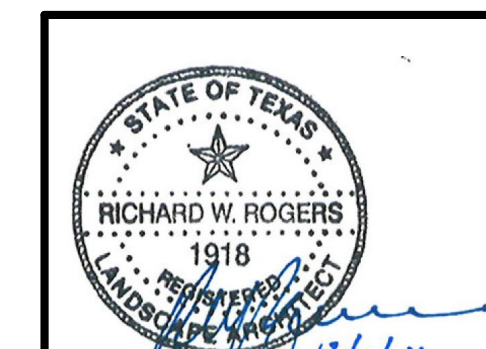


TREE PLANTING
N.T.S.

NOTE: SEE LANDSCAPE NOTES FOR THE TYPE OF MULCH MATERIAL TO USE.

10
N37°

AS-BUILT



F-7524

INITIAL DESIGN DATE: 11/28/11
 LWY PRN: CWO PM: TJA DES: TJA DRW

KROGER SW-575 FUEL CENTER

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 ENGINEERS • PLANNERS • SURVEYORS
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3030 LBJ Freeway, Suite 100, Dallas, TX 75234
 (972) 488-3737 / (972) 488-6732

LANDSCAPE PLAN
 2935 RIDGE ROAD, ROCKWALL, TEXAS

DATE: 12/1/11 10:47 AM
 SHEET NO. C9 OF 11
 AS-BUILT

CONTRACTOR SHALL LOCATE AND CONNECT TO EXISTING IRRIGATION MAIN LINE. IRRIGATION SYSTEM SHALL MEET LOCAL AND STATE REGULATIONS.

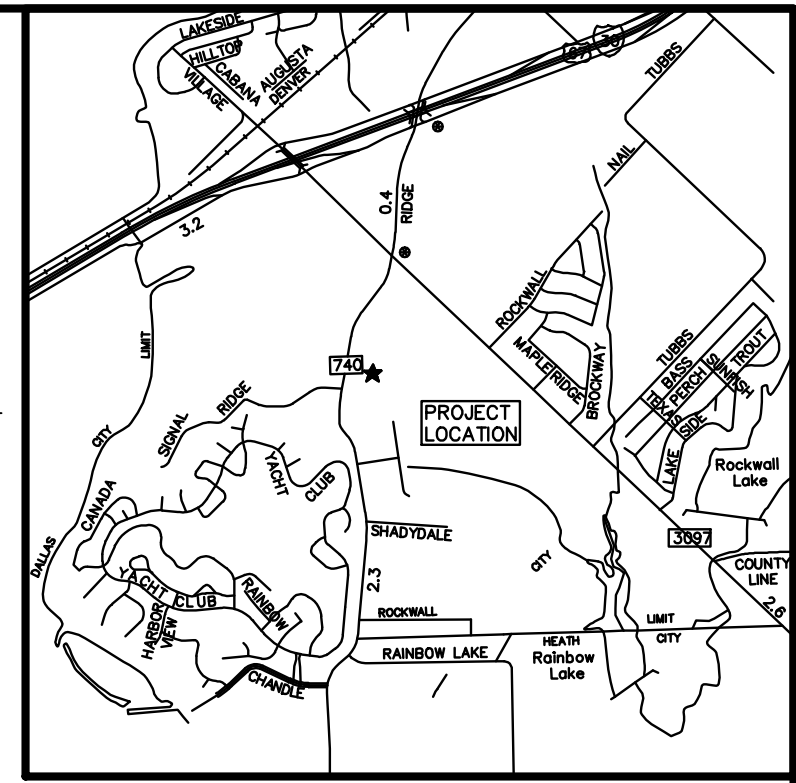
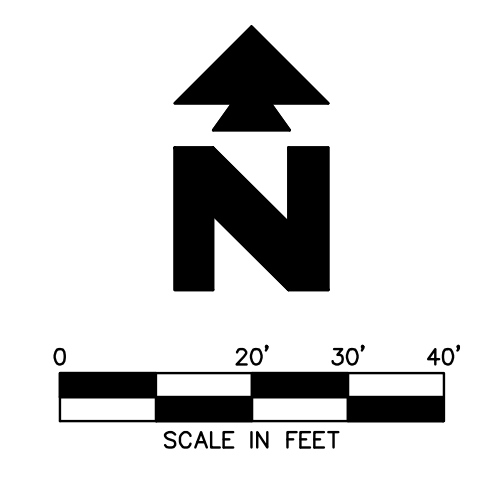
CONTRACTOR SHALL PROVIDE AN ALTERNATE BID FOR IRRIGATION WATER METER, BACKFLOW PREVENTER, ETC., IF IT IS DETERMINED THAT CONNECTION TO EXISTING IRRIGATION SYSTEM IS NOT FEASIBLE.

WHERE EVER CONVENIENT CONTRACTOR MAY LOCATE MULTIPLE LINES IN THE SAME TRENCH AND CLUSTER VALVES.

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE EXISTING LANDSCAPING AND IRRIGATION SYSTEM. THE CONTRACTOR SHALL REPLACE/RESTORE ALL LANDSCAPING AND IRRIGATION DAMAGED DURING THE CONSTRUCTION PHASE.

CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS AND ASSURE PROPER FUNCTIONING OF REESTABLISHED, REPAIRED, RELOCATED AND/OR NEW IRRIGATION COMPONENTS.

CONTRACTOR SHALL CAP ALL UNUSED MAIN AND LATERAL LINES AFTER RELOCATION OR ABANDONMENT.



Vicinity Map
Not to Scale

LEGEND

- PROPOSED**
- BOUNDARY LINE
 - - - RIGHT OF WAY LINE
 - - - - - STORM DRAIN
 - - - - - IRRIGATION LATERAL LINE: PVC CLASS 200. SEE IRRIGATION PIPE SCHEDULE
 - - - - - IRRIGATION MAINLINE: 1" PVC SCHEDULE 40.
 - - - - - IRRIGATION SLEEVE: PVC SCHEDULE 40 TYPICAL. SLEEVE SHALL ALLOW FOR IRRIGATION PIPING AND ANY RELATED COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL. EXTEND SLEEVES 18" BEYOND EDGES OF PAVING OR CONSTRUCTION LIMITS.
- ZONE**
- ZONE DESIGNATION
 - VALVE SIZE
 - GPM PSI DESIGN PRESSURE - POUNDS PER SQUARE INCH
 - GPM PSI DESIGN DEMAND - GALLONS PER MINUTE

GENERAL IRRIGATION NOTES

- A. IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC PRESSURE ON SITE PRIOR TO CONSTRUCTION. SHOULD EXISTING SITE PRESSURE BE BELOW 66# STATIC, CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- B. IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN SO AS TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS, OR PROVIDE BLOWOUT ASSEMBLY, INSTALLATION SHALL BE PER DETAIL 62C.
- C. ALL LATERAL LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS PER DETAIL 62D.
- D. CONTRACTOR SHALL COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR, 110 VOLT ELECTRICAL SERVICE FOR IRRIGATION CONTROLLER IS TO BE INSTALLED IN THE UTILITY ROOM BY GENERAL CONTRACTOR.
- E. IRRIGATION CONTRACTOR SHALL COORDINATE CONSTRUCTION OF IRRIGATION SYSTEM WITH GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- F. LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
- G. ALL R.C.V. CONTROLLER WIRES ARE TO BE IN CONDUIT WHILE UNDER PAVING. CONDUIT TO BE INSTALLED BY GENERAL CONTRACTOR. ROUTING OF R.C.V. WIRES TO CONTROL VALVES SHALL BE BY THE IRRIGATION CONTRACTOR.
- H. ALL BELOW GRADE LOW VOLTAGE WIRING CONNECTIONS SHALL BE INSTALLED PER DETAIL 61A.
- I. DO NOT INSTALL IRRIGATION AT PYLON/MONUMENT SIGN LOCATION UNTIL SIGN HAS BEEN INSTALLED.
- J. MINIMUM COVER FROM TOP OF PIPING TO FINISHED GRADE SHALL BE AS DESCRIBED IN THE LANDSCAPE IRRIGATION SECTION OF THE SITEWORK SPECIFICATIONS. IF SPECIFICATIONS AND/OR MANUFACTURER HAS NOT PUBLISHED SPECIFICATIONS FOR DEPTH COVERAGE OF PIPING, THE PIPING MUST BE INSTALLED TO PROVIDE MINIMUM DEPTH COVERAGE PER DETAIL 64B.
- L. ALL TRENCHES AND HOLES CREATED DURING INSTALLATION OF AN IRRIGATION SYSTEM MUST BE BACKFILLED AND COMPACTED TO THE ORIGINAL GRADE.
- M. THE MAXIMUM SPACING BETWEEN EMISSION DEVICES MUST NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS.
- N. IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH NO OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE 100% COVERAGE IS PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- O. NEW IRRIGATION SYSTEMS SHALL NOT UTILIZE ABOVE-GROUND SPRAY EMISSION DEVICES IN LANDSCAPES THAT ARE LESS THAN 48" WIDE, PER STATE REQUIREMENTS. WIDTH REQUIREMENTS MAY VARY DEPENDING ON MUNICIPALITY REQUIREMENTS.
- P. UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPE AREAS WHERE POSSIBLE.
- Q. VALVES BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3" OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE.
- R. ALL MAIN LINE PIPING, NON-PRESSURE PIPING AND CONTROL WIRE SLEEVING SHALL BE INSTALLED IN SEPARATE SLEEVES. MAINLINE SLEEVE SIZE SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES.
- S. ALL LATERAL LINE PIPING UNDER PAVING SHALL BE PVC SCH. 40 PIPE AND SHALL BE INSTALLED PRIOR TO ANY HARDSCAPE MATERIAL. IRRIGATION CONTRACTOR TO PROVIDE 4" DIA. PVC SLEEVES BETWEEN 12" AND 15" BELOW GRADE AT ALL DRIVE ENTRANCES AND SIDEWALKS.
- T. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF FENCES, RETAINING WALLS, PLAY STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING AND TIMING, ETC.
- U. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED ON PLANS, SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND PER CITY/STATE CODE.
- V. THE LANDSCAPE TUBING IN PLANTING BEDS IS SHOWN DIAGRAMMATIC. CONTRACTOR CAN ROUTE PIPING IN A FREEFORM MANNER (AVOIDING OBJECTS SUCH AS LIGHT POLES, TRANSFORMER PADS, EQUIPMENT VAULTS, SUBSURFACE ROCK TOO LARGE TO REMOVE, ETC.,) AS LONG AS ALL PLANT MATERIAL RECEIVES THE PROPER NUMBER OF EMITTERS PER SCHEDULE AND THE VINYL DISTRIBUTION TUBING DOES NOT EXCEED THE MAXIMUM DESIGN LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.
- W. CONTRACTOR SHALL PROTECT EXISTING TREES FROM DAMAGE DURING INSTALLATION PROCEDURES.
- X. THE IRRIGATION PLANS ARE SCHEMATIC AND MAY BE EXAGGERATED. CONTRACTOR SHALL INSTALL PER MANUFACTURER SPECIFICATIONS AND PER CITY/STATE CODE.

IRRIGATION DETAILS

- 60A SPRAY HEAD. SEE NOZZLE LIST FOR HEAD AND NOZZLE DESCRIPTION.
- ▼ 60B POP-UP BUBBLER HEAD. RAINBIRD 140B. INSTALL 2 PER TREE.
- 61A WIRE CONNECTION (NOT SHOWN ON PLAN; USE ON BELOW GRADE LOW VOLTAGE WIRING)
- 61E ELECTRIC VALVE AND BOX VALVE: RAINBIRD-PEB (SEE PLAN FOR SIZE).
 - VALVE BOXES: 12" STANDARD-SIZE, SPECIFICATION GRADE, UV-RESISTANT PLASTIC VALVE BOX.
 - LOCATE VALVES AT LEAST 18" AWAY FROM FACE OF CURB AND AVOID PLACEMENT AT OR PAST CURB RADIUS ALONG VEHICULAR ROUTES.
- 62C MANUAL DRAIN VALVE (NOT SHOWN ON PLAN; INSTALL AT LOWEST POINT ON MAIN LINE).
- 62D AUTOMATIC DRAIN VALVE (NOT SHOWN ON PLAN; INSTALL ON LOW AREAS AS NEEDED).
- 64A IRRIGATION PIPE AND WIRE TRENCHING.

IRRIGATION NOTES

- 64B MAIN LINE SHOWN HERE FOR DRAWING PURPOSES ONLY; CONTRACTOR SHALL INSTALL MAIN LINE ETC. WITHIN PROPERTY.

SPRINKLER NOZZLE LIST

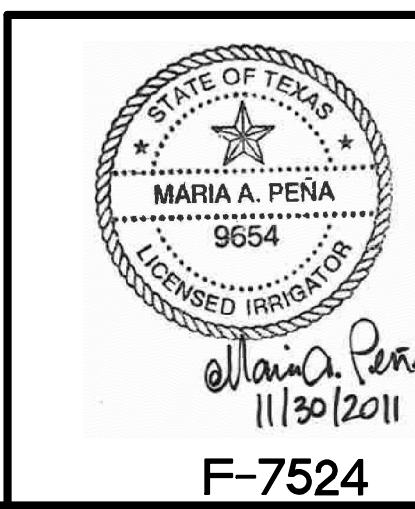
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A	7	1804-SAM-PRS-5 SERIES MPR
B	23	1804-SAM-PRS-8 SERIES MPR
D	5	1804-SAM-PRS-12 SERIES MPR
E	3	1804-SAM-PRS-15 SERIES MPR
▼	34	1806-SAM-PRS-1404 (2 PER TREE)

IRRIGATION PIPE SCHEDULE

CLASS 200 IRRIGATION PIPE SCHEDULE	
PIPE SIZE	G.P.M.
1/2"	0-5
3/4"	6-10
1"	11-16
1-1/4"	19-27
1-1/2"	28-36
2"	37-57
2-1/2"	58-80
3"	81-120

NOTE: IN SOME CASES, IRRIGATION PIPE SIZES SHOWN ON IRRIGATION PLANS ARE LARGER THAN THE SIZE SHOWN ON PIPE SCHEDULE DUE TO HYDRAULIC LOSSES. USE PIPE SIZES AS SHOWN ON IRRIGATION PLANS IF PROVIDED.

AS-BUILT



INITIAL DESIGN 11/28/11 LWY CWD TJA TJA
DATE PRN PM DES DRW

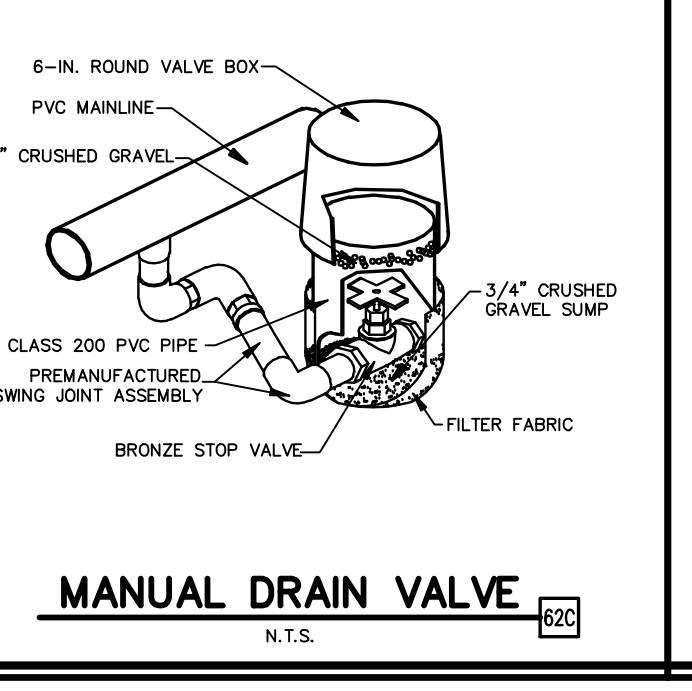
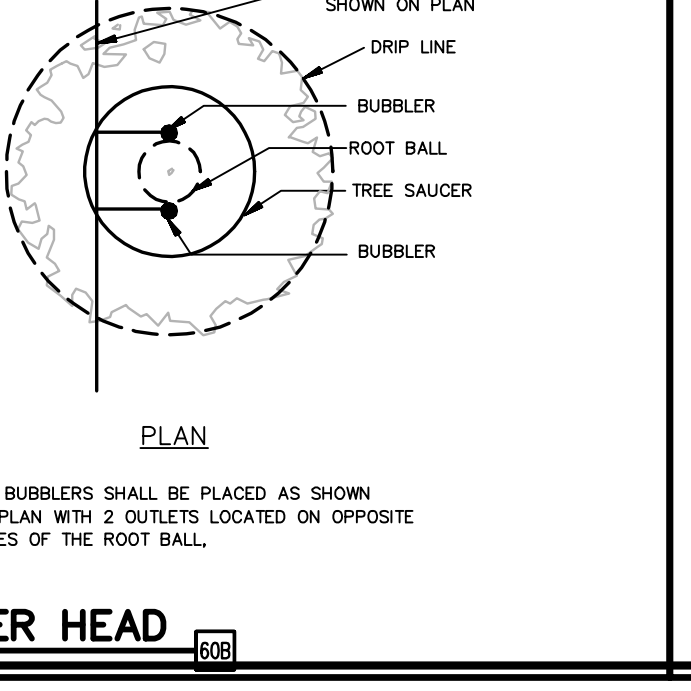
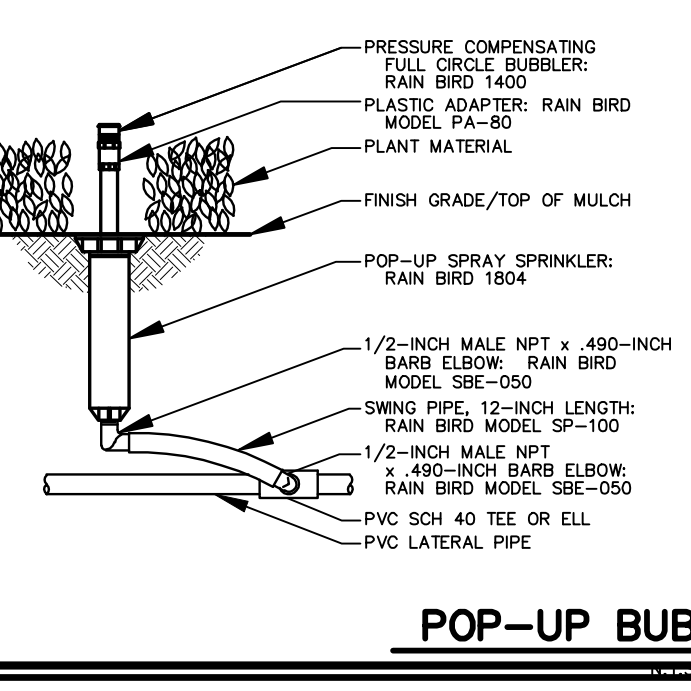
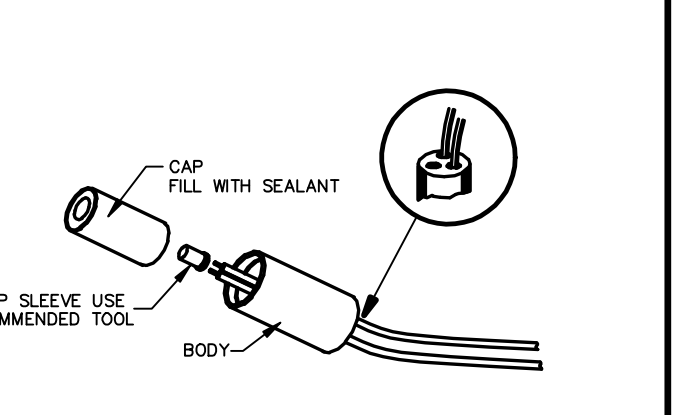
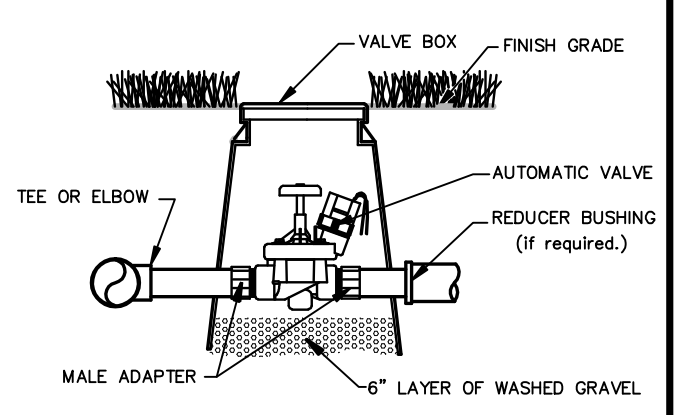
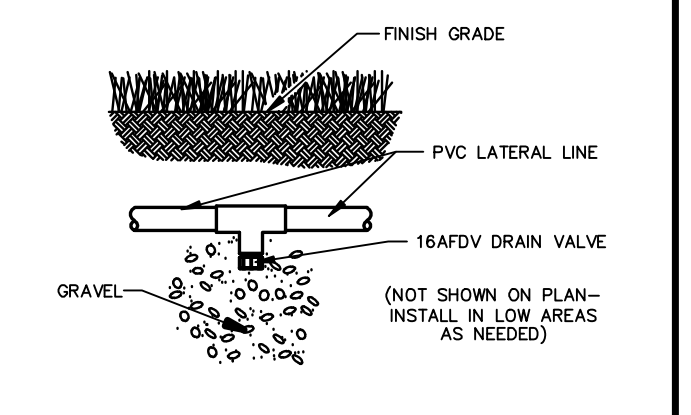
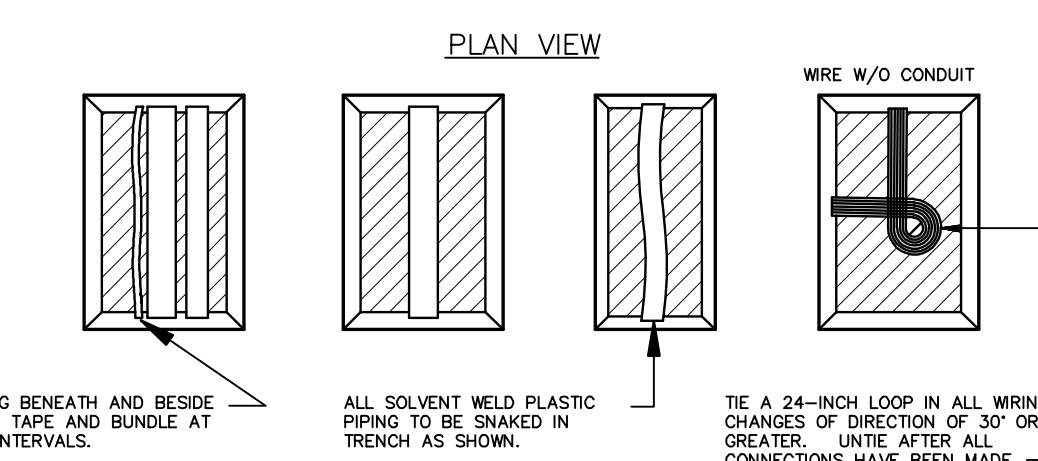
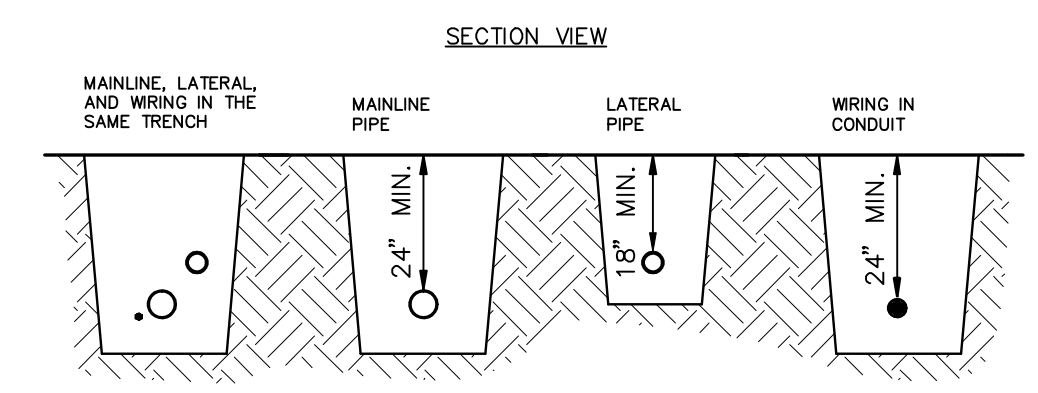
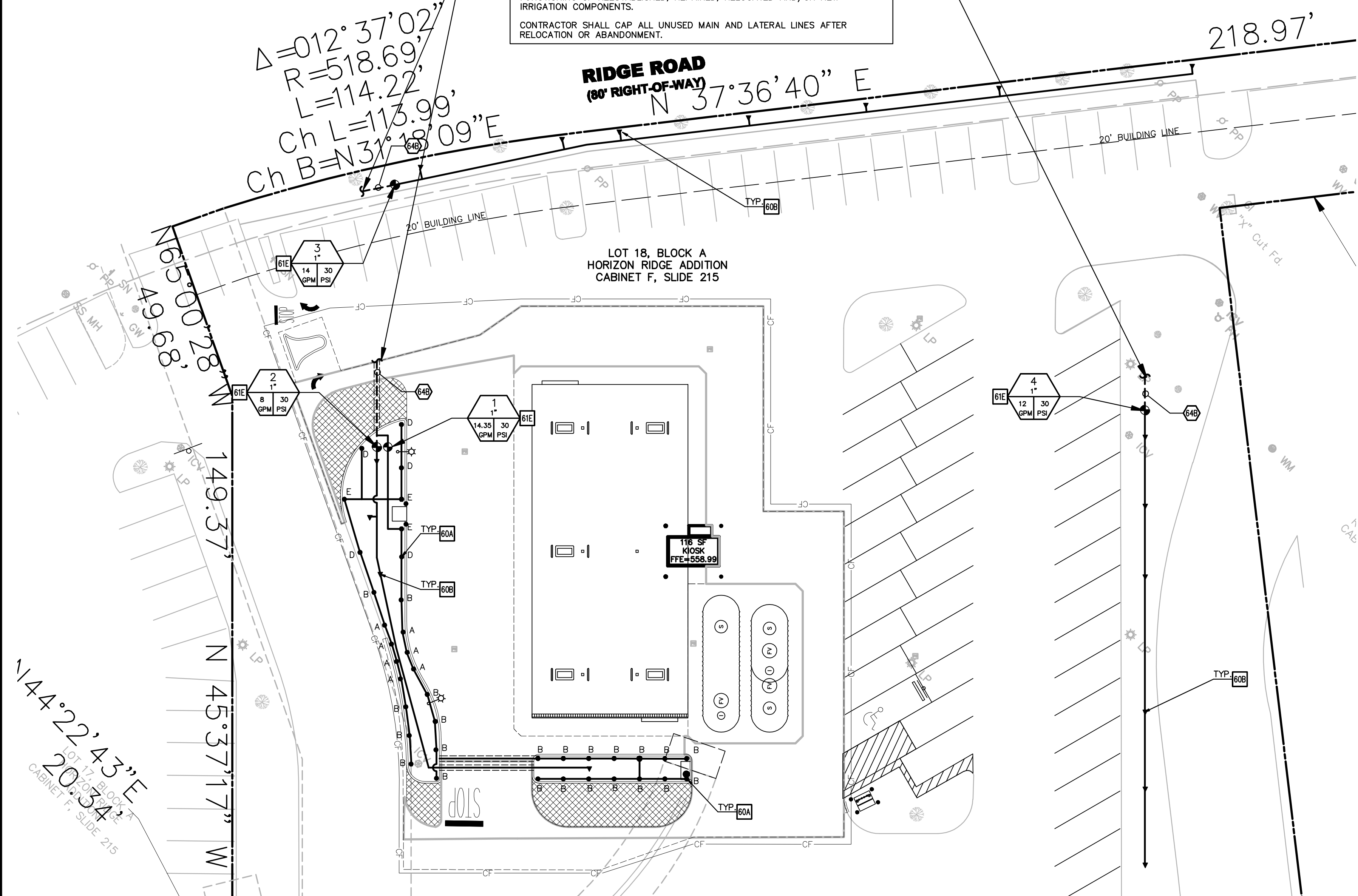
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Dallas, TX 75234 (972)488-6732

IRRIGATION PLAN
2935 RIDGE ROAD
ROCKWALL, TEXAS

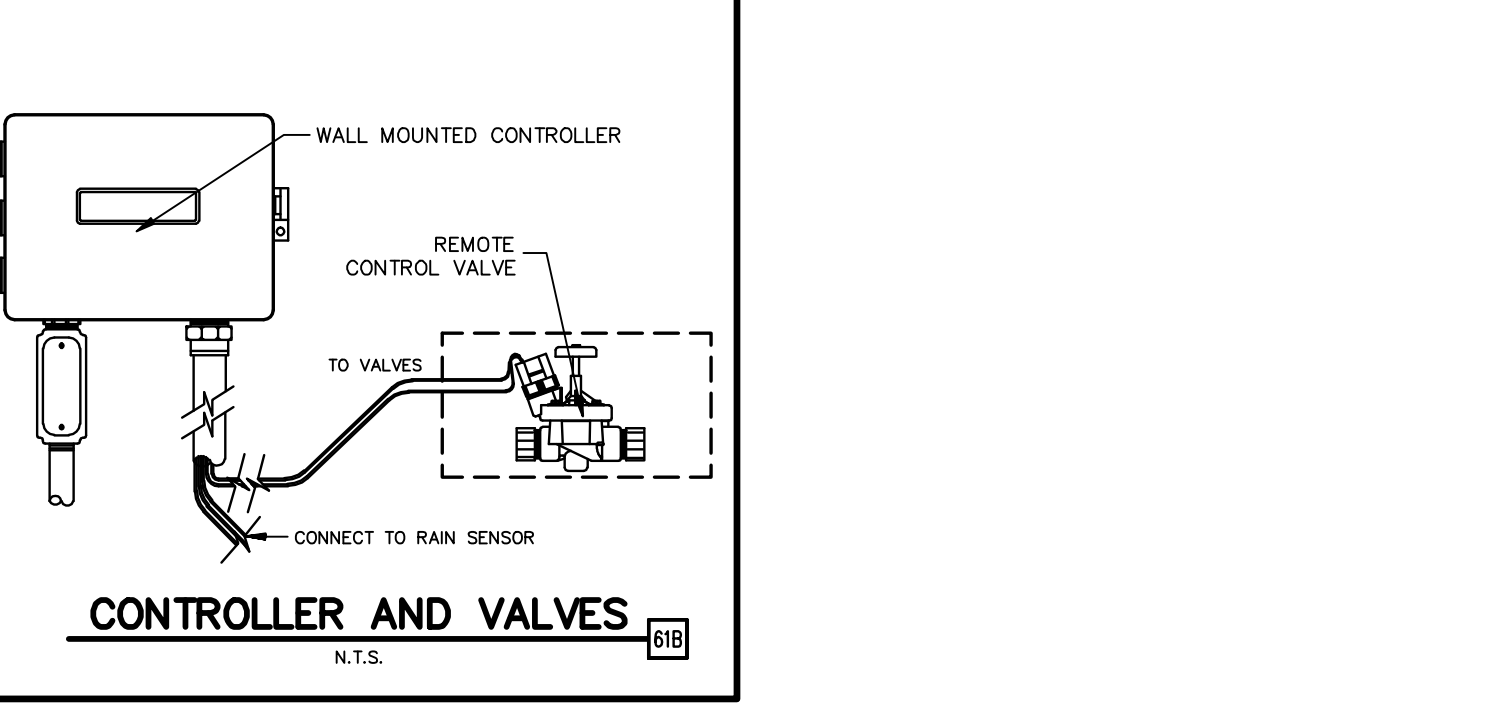
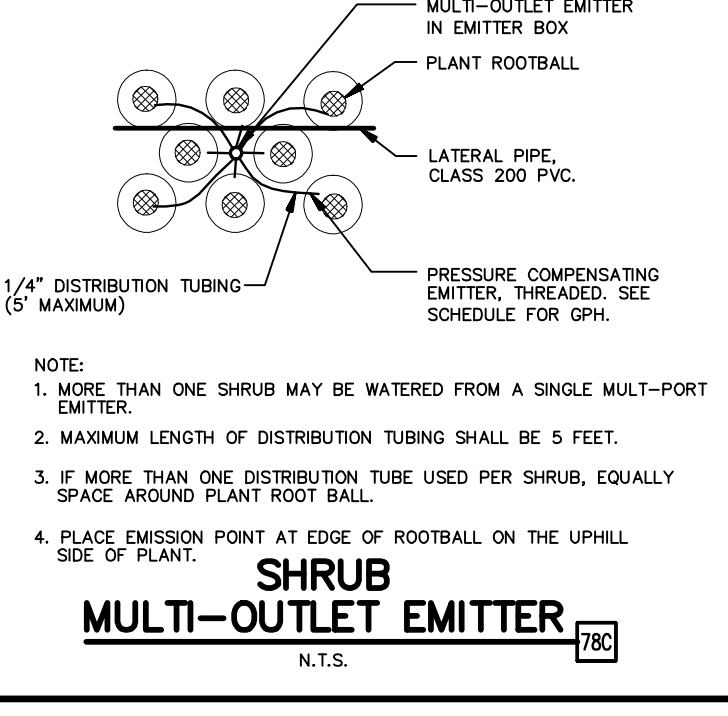
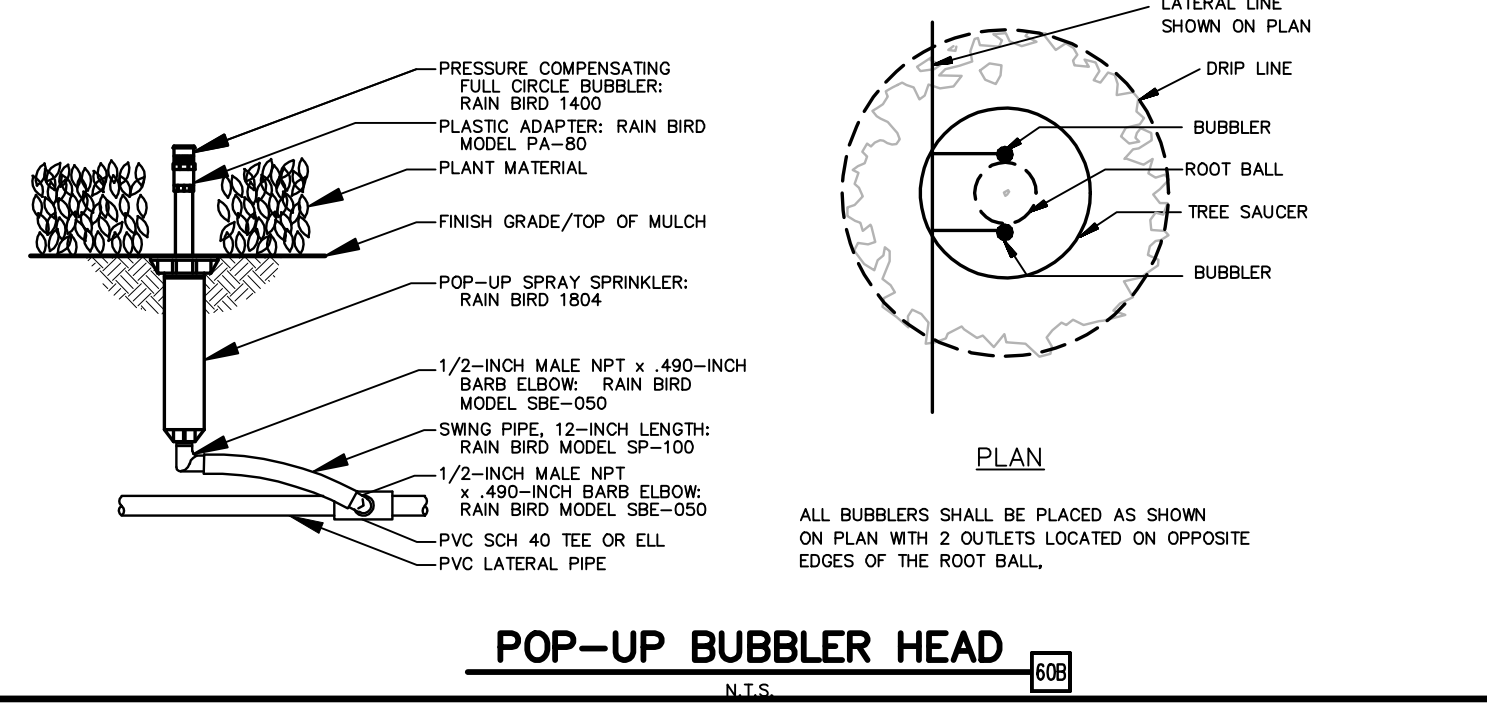
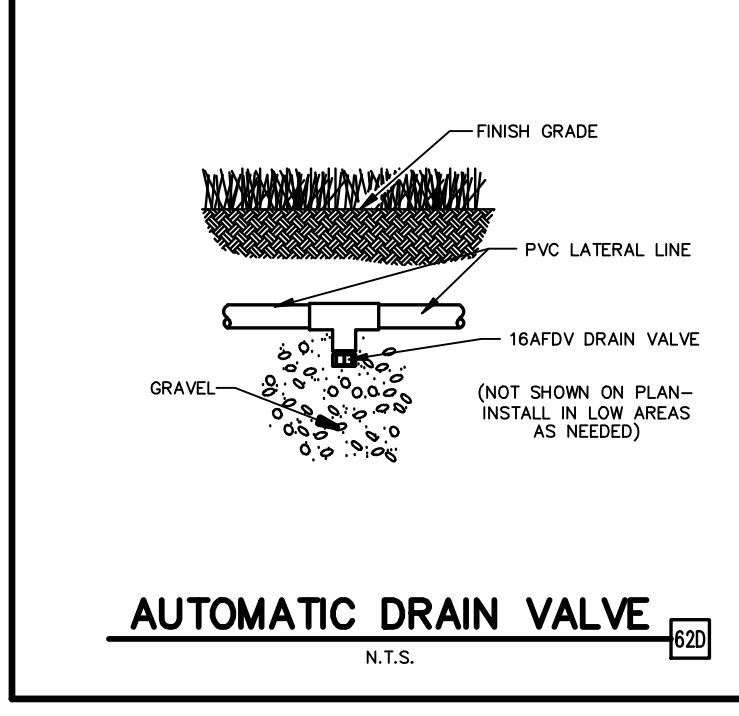
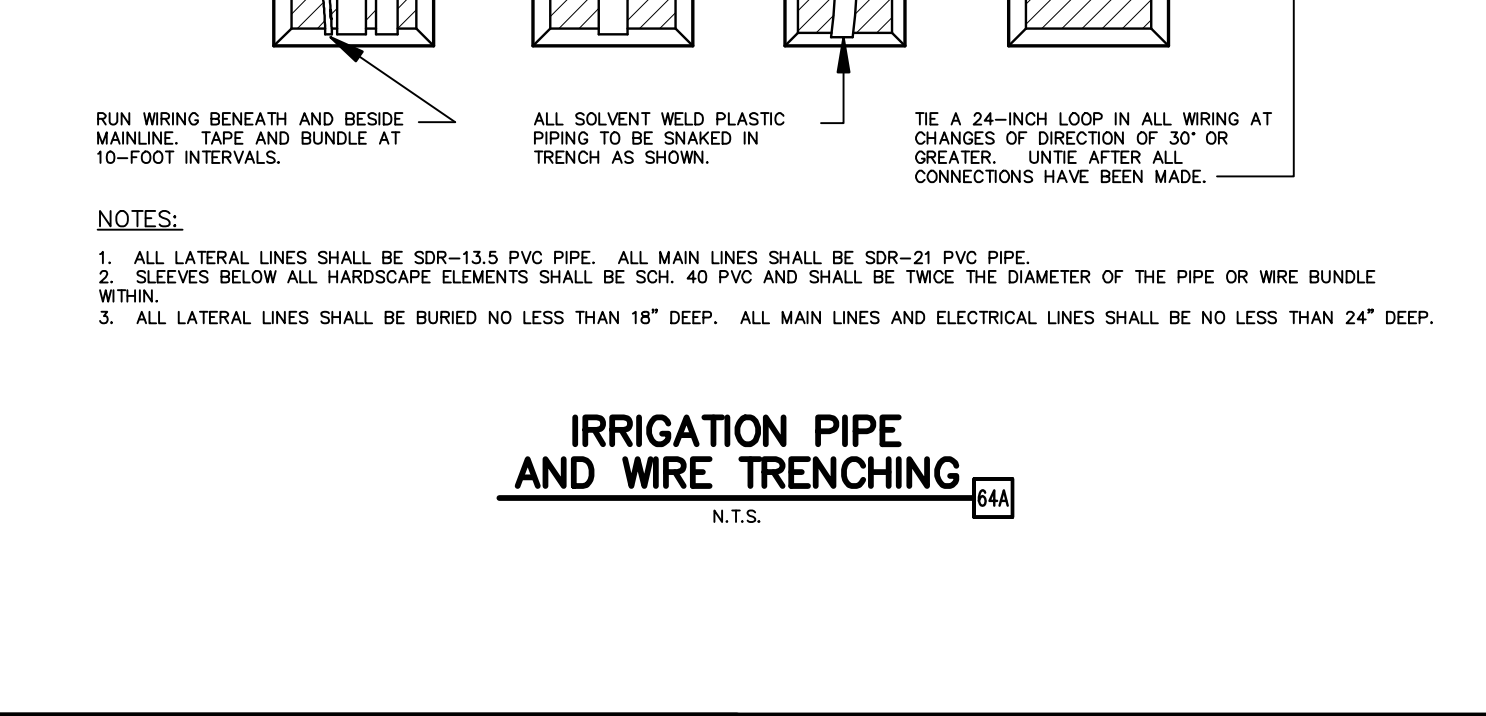
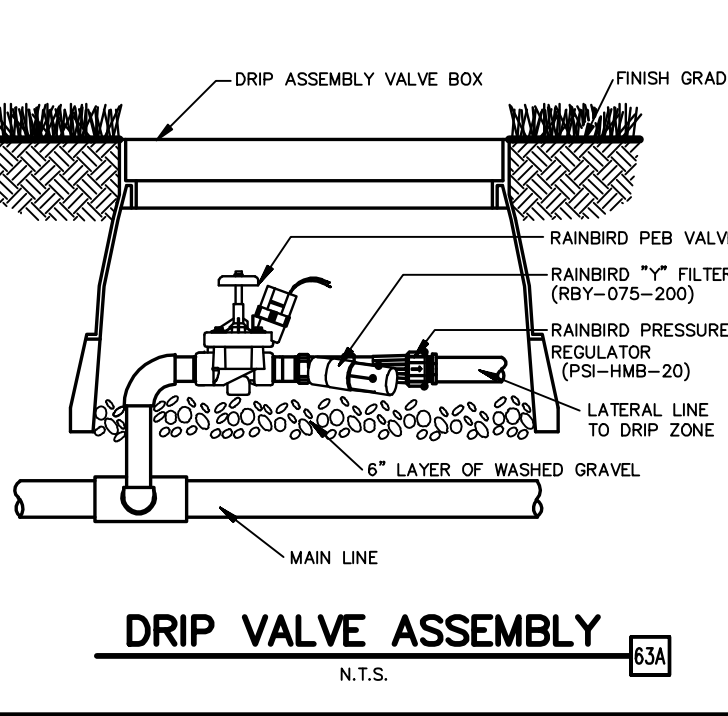
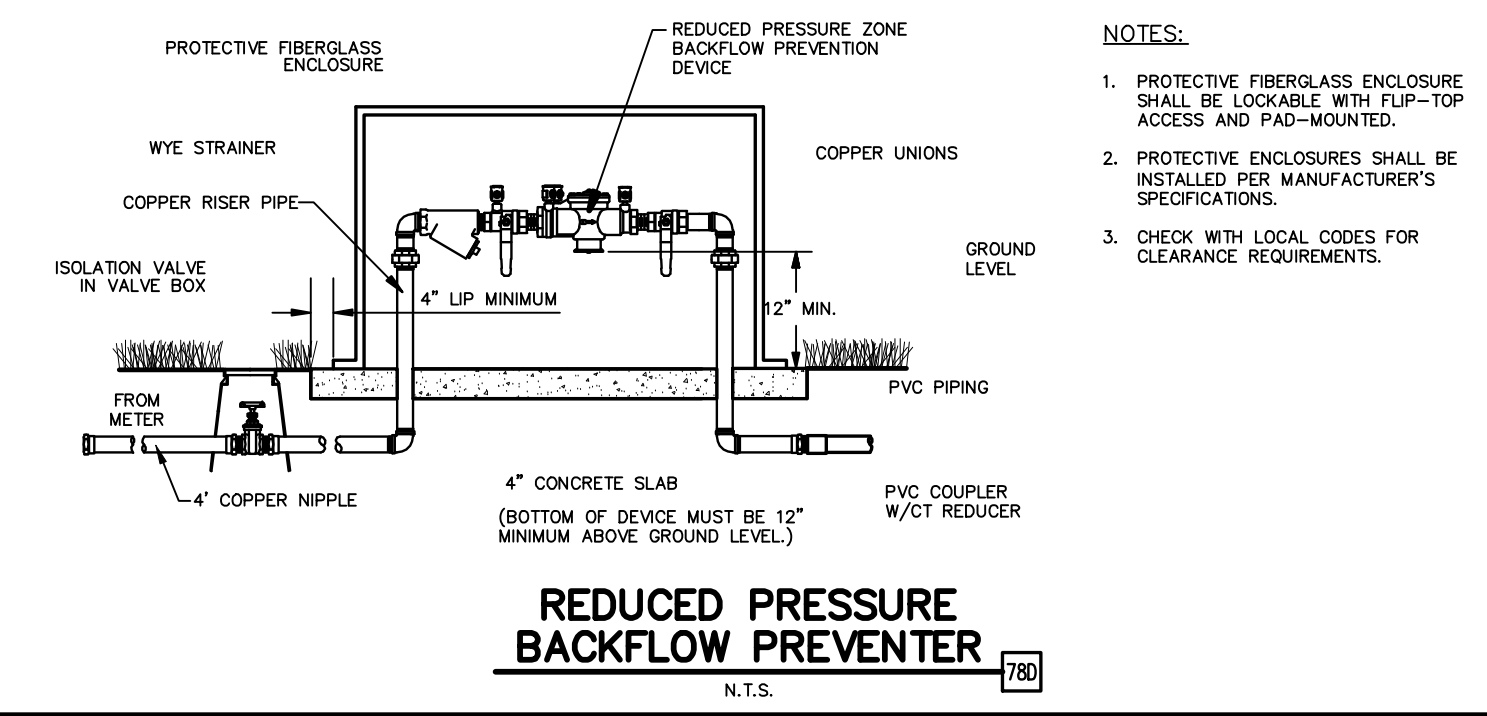
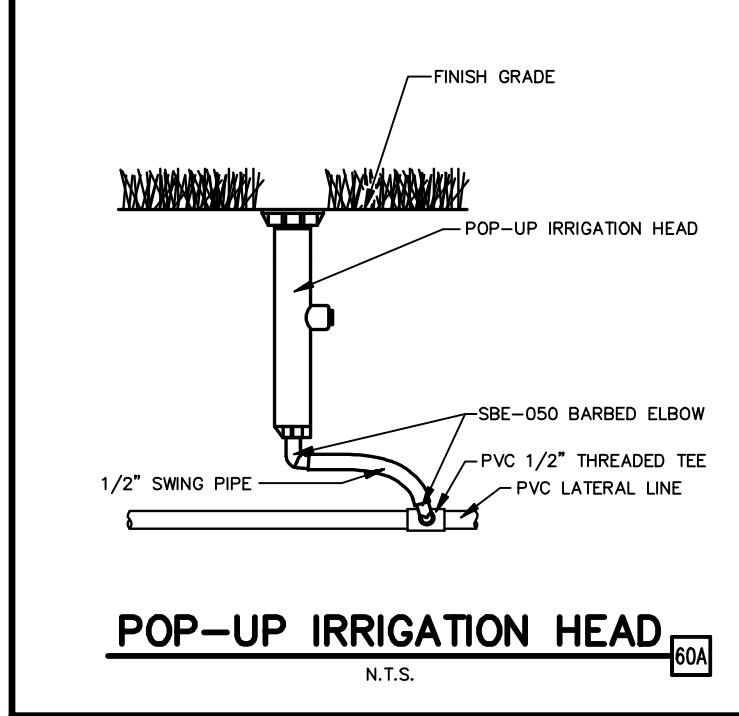
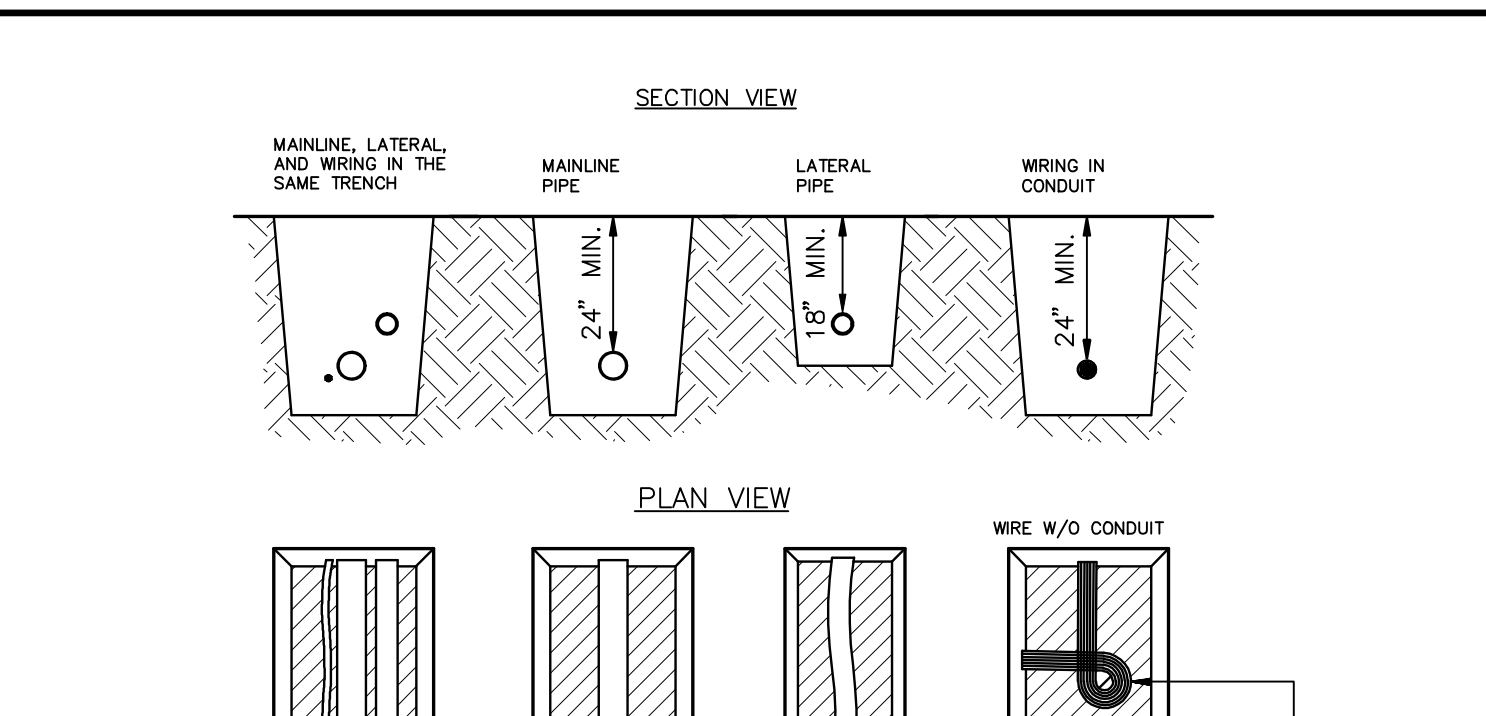
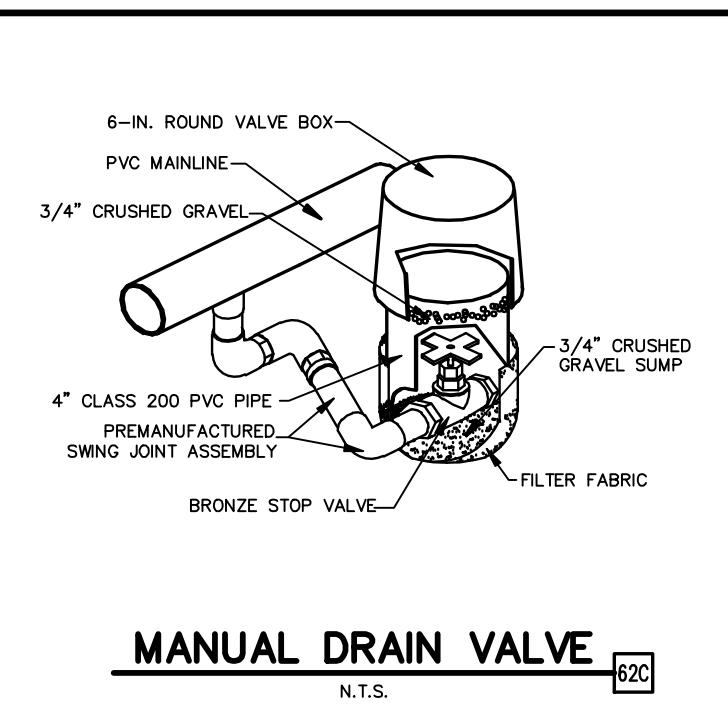
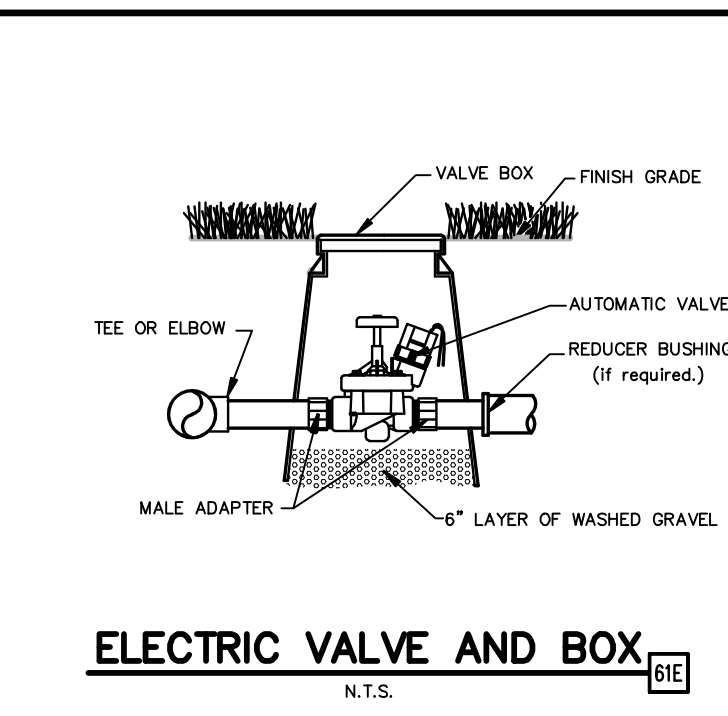
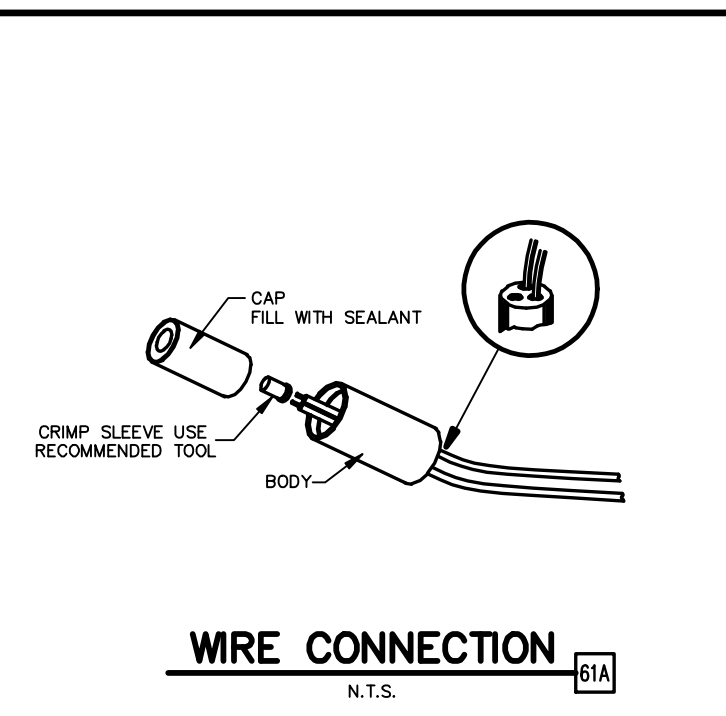
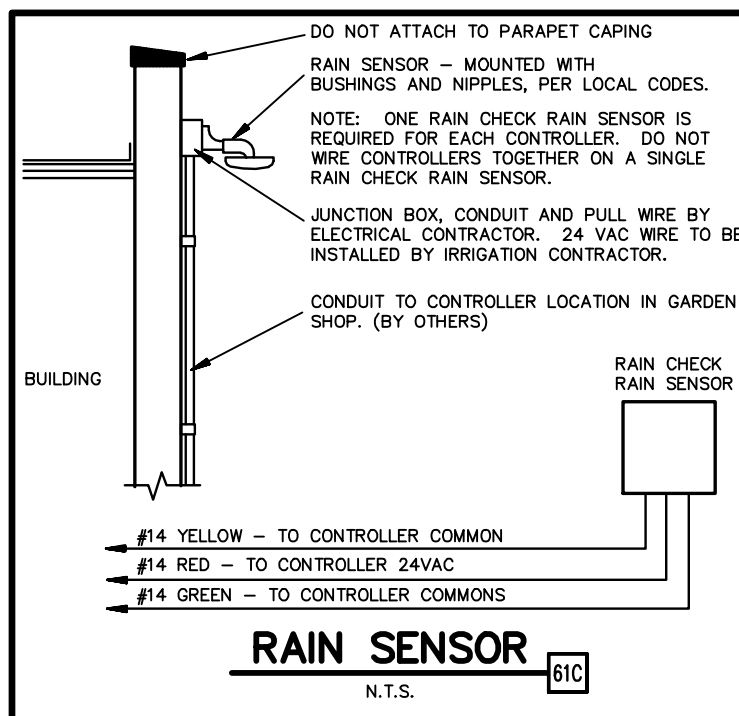
DATE 12/1/11 SHEET NO. C107 OF 11
11:01 AM AS-BUILT



- NOTES:**
1. ALL LATERAL LINES SHALL BE SDR-13.5 PVC PIPE. ALL MAIN LINES SHALL BE SDR-21 PVC PIPE.
 2. SLEEVES BELOW ALL HARDSCAPE ELEMENTS SHALL BE SCH. 40 PVC AND SHALL BE TWICE THE DIAMETER OF THE PIPE OR WIRE BUNDLE WITHIN.
 3. ALL LATERAL LINES SHALL BE BURIED NO LESS THAN 18" DEEP. ALL MAIN LINES AND ELECTRICAL LINES SHALL BE NO LESS THAN 24" DEEP.

IRRIGATION PIPE AND WIRE TRENCHING (64A)

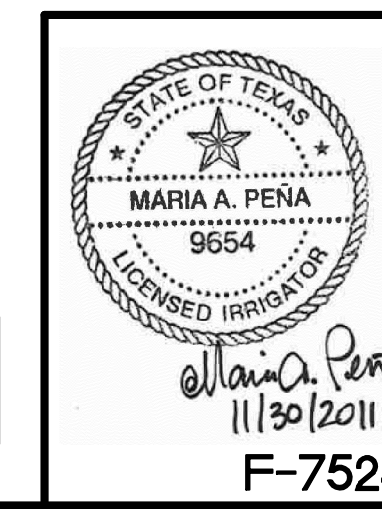
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- GENERAL IRRIGATION NOTES**
- IRRIGATION CONTRACTOR SHALL TEST EXISTING STATIC PRESSURE ON SITE PRIOR TO CONSTRUCTION. SHOULD EXISTING SITE PRESSURE BE BELOW 66# STATIC, CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - IRRIGATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING MANUAL DRAIN VALVES AT LOWEST POSSIBLE ELEVATION ON IRRIGATION MAIN SO AS TO PROVIDE POSITIVE DRAINAGE OF IRRIGATION MAIN DURING WINTER MONTHS, OR PROVIDE BLOWOUT ASSEMBLY. INSTALLATION SHALL BE PER DETAIL 62C.
 - ALL LATERAL LINES SHALL BE EQUIPPED WITH AUTOMATIC DRAIN VALVES AT LOW POINTS PER DETAIL 62D.
 - CONTRACTOR SHALL COORDINATE CONTROLLER LOCATION WITH GENERAL CONTRACTOR. 110 VOLT ELECTRICAL SERVICE FOR IRRIGATION CONTROLLER IS TO BE INSTALLED IN THE UTILITY ROOM BY GENERAL CONTRACTOR.
 - IRRIGATION CONTRACTOR SHALL COORDINATE CONSTRUCTION OF IRRIGATION SYSTEM WITH GENERAL CONTRACTOR AND LANDSCAPE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
 - ALL R.C.V. CONTROLLER WIRES ARE TO BE IN CONDUIT WHILE UNDER PAVING. CONDUIT TO BE INSTALLED BY GENERAL CONTRACTOR. ROUTING OF R.C.V. WIRES TO CONTROL VALVES SHALL BE BY THE IRRIGATION CONTRACTOR.
 - ALL BELOW GRADE LOW VOLTAGE WIRING CONNECTIONS SHALL BE INSTALLED PER DETAIL 61A.
 - DO NOT INSTALL IRRIGATION AT Pylon/MONUMENT SIGN LOCATION UNTIL SIGN HAS BEEN INSTALLED.
 - MINIMUM COVER FROM TOP OF PIPING TO FINISHED GRADE SHALL BE AS DESCRIBED IN THE LANDSCAPE IRRIGATION SECTION OF THE SITEWORK SPECIFICATIONS. IF SPECIFICATIONS AND/OR MANUFACTURER HAS NOT PUBLISHED SPECIFICATIONS FOR DEPTH COVERAGE OF PIPING, THE PIPING MUST BE INSTALLED TO PROVIDE MINIMUM DEPTH COVERAGE PER DETAIL 64B.
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 - IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH NO OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE 100% COVERAGE IS PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
 - NEW IRRIGATION SYSTEMS SHALL NOT UTILIZE ABOVE-GROUND SPRAY EMISSION DEVICES IN LANDSCAPES THAT ARE LESS THAN 48" WIDE, PER STATE REQUIREMENTS. WIDTH REQUIREMENTS MAY VARY DEPENDING ON MUNICIPALITY REQUIREMENTS.
 - UNSLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPE AREAS WHERE POSSIBLE.
 - VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3" OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE.
 - ALL MAIN LINE PIPING, NON-PRESSURE PIPING AND CONTROL WIRE SLEEVING SHALL BE INSTALLED PRIOR TO ANY HARDSCAPE MATERIAL. IRRIGATION CONTRACTOR TO PROVIDE 4" DIA PVC SLEEVES BETWEEN 12" AND 15" BELOW GRADE AT ALL DRIVE ENTRANCES AND SIDEWALKS.
 - IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE HIMSELF WITH ALL GRADE DIFFERENCES, LOCATION OF FENCES, RETAINING WALLS, PLANT STRUCTURES AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL REPAIR OR REPLACE ALL ITEMS DAMAGED BY HIS WORK. HE SHALL COORDINATE HIS WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS THROUGH WALLS, UNDER ROADWAYS AND PAVING AND TIMING, ETC.
 - ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED ON PLANS, SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS AND PER CITY/STATE CODE.
 - THE LANDSCAPE TUBING IN PLANTING BEDS IS SHOWN DIAGRAMMATIC. CONTRACTOR CAN ROUTE PIPING IN A FREEFORM MANNER (AVOIDING OBJECTS SUCH AS LIGHT POLES, TRANSFORMERS PADS, EQUIPMENT VAULTS, SUBSURFACE ROCK TOO LARGE TO REMOVE, ETC.) AS LONG AS ALL PLANT MATERIAL RECEIVES THE PROPER NUMBER OF EMITTERS PER SCHEDULE AND THE VINYL DISTRIBUTION TUBING DOES NOT EXCEED THE MAXIMUM DESIGN LENGTHS PER MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL PROTECT EXISTING TREES FROM DAMAGE DURING INSTALLATION PROCEDURES.
 - THE IRRIGATION PLANS ARE SCHEMATIC AND MAY BE EXAGGERATED. CONTRACTOR SHALL INSTALL PER MANUFACTURER'S SPECIFICATIONS AND PER CITY/STATE CODE.

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AS-BUILT



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Maria A. Peña
11/30/2011
F-7524

LANDSCAPE + IRRIGATION DETAIL
2935 RIDGE ROAD
ROCKWALL, TEXAS

SHEET NO. 10:47 AM
AS-BUILT C11 OF 11