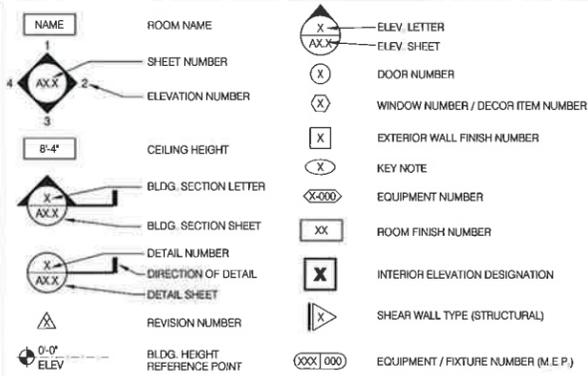


TACO BELL



- A. ALL WORK SHALL CONFORM TO THE 2006 EDITION OF THE INTERNATIONAL BUILDING CODE AND ALL OTHER APPLICABLE CODES, STANDARDS, AND REGULATIONS OF THE CITY OF CELINA AND COUNTY OF COLLIN.
- B. IT IS INTENDED THAT A COMPLETE OCCUPIABLE BUILDING PROJECT IS PROVIDED.
- C. THE GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION (A.I.A. A201 LATEST EDITION) ARE A PART OF THESE CONTRACT DOCUMENTS. A COPY IS ON FILE AT THE ARCHITECTS OFFICE.
- D. DRAWINGS ARE BASED ON A SURVEY, DATED NOVEMBER 2013 PREPARED BY LANES SOUTHWEST SURVEYING AND IS INCLUDED IN THESE DOCUMENTS.
- E. THIS BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF A GEOTECHNICAL INVESTIGATION DATED JANUARY 2014 BY EWI, INC. THE REPORT IS PART OF THESE CONTRACT DOCUMENTS, AND THE CONTRACTOR IS RESPONSIBLE FOR CARRYING OUT ITS RECOMMENDATIONS, THOUGH SOME MAY NOT BE SPECIFICALLY DETAILED ON THE PLANS.
- F. DO NOT SCALE THESE DRAWINGS. VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. ANY DISCREPANCIES IN THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO STARTING WORK.
- G. ALL PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY THE YUM BRANDS CONSTRUCTION MANAGER, IN WRITING, PRIOR TO INSTALLATION.
- H. RETAIN THE PROJECT GEOTECHNICAL ENGINEER TO PROVIDE OBSERVATION AND TESTING SERVICES DURING THE GRADING (INCLUDING UTILITY TRENCHES) AND FOUNDATION PHASE OF CONSTRUCTION AS RECOMMENDED IN THE GEOTECHNICAL REPORT. ALL TESTING AND INSPECTION REPORTS, INCLUDING FINAL SUMMATION LETTER, SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND OWNER. G.C. SHALL CERTIFY PAD ELEVATION PRIOR TO START OF FOUNDATION WORK.
- I. SUBMIT PAY FEES AND OBTAIN ALL PERMITS ASSOCIATED WITH THE PROJECT EXCEPT GENERAL BUILDING PERMIT. THIS INCLUDES, BUT IS NOT LIMITED TO ELECTRICAL, MECHANICAL, PLUMBING, FIRE SPRINKLER, HOOD ANSUL, OR OTHER RELATED FIRE PERMITS, ENCROACHMENT PERMIT, ETC. YUM BRANDS WILL PAY FOR "CONNECTION FEES" ASSOCIATED WITH UTILITY PERMITS. PAY FOR TEMPORARY FACILITIES FEES AS REQUIRED TO COMPLETE THE WORK IN A TIMELY MANNER.
- J. PROVIDE EACH SUBCONTRACTOR WITH A COMPLETE AGENCY-PERMITTED DRAWING SET AT TIME OF CONSTRUCTION.
- K. ALL ABBREVIATIONS INCLUDED FOLLOW INDUSTRY STANDARDS. CONTACT ARCHITECT IF ANY ABBREVIATIONS ARE NOT CLEAR.
- L. GC SHALL SUPPLY AND INSTALL ALL ASPECTS OF THE PROJECT DESCRIBED IN THIS DRAWING SET UNLESS OTHERWISE NOTED. SEE SCOPE OF WORK FOR EXCEPTIONS.
- M. GRAPHIC AND WRITTEN INFORMATION ON DRAWINGS SHALL BE COORDINATED WITH ALL TRADES PRIOR TO INSTALLATION.



REFER TO STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SHEETS FOR SPECIFIC SYMBOLS



LEGAL JURISDICTION: CITY OF CELINA, TEXAS

BUILDING CODE: IBC2012, IMC2012, IPC2012, IEC2012, NEC2011

BUILDING AREA: BUILDING 2,100 S.F.

SEATING: 54

OCCUPANCY: A2

TYPE CONSTRUCTION: TYPE VB - SPRINKLED

OCCUPANT LOAD: 90

PHONE LINES: 25 PAIR CABLE IN 2" CONDUIT

ELECTRIC SERVICE: 600 AMPS / 3 PHASE / 120-208 VOLT

GAS: 669,900 BTUH

PROJECT SUMMARY

WIND SPEED: 90 M.P.H. / EXPOSURE B

EARTHQUAKE ZONE: 2B

ROOF LIVE LOAD: 20 P.S.F.

DESIGN CRITERIA

REFER TO CIVIL DRAWINGS.

LEGAL DESCRIPTION

OWNER NORTH TEXAS BELLS, LLC 520 E. NORTHWEST HIGHWAY, SUITE 100 GRAPEVINE, TEXAS 76051 CONTACT: TROY MORRISON PHONE: (817) 328-1978	ARCHITECT ID STUDIO 4 1431 GREENWAY, SUITE 150 IRVING, TEXAS 75038 CONTACT: BRIAN CHANDLER PHONE: (972) 870-1288
CONSTRUCTION MANAGER NORTH TEXAS BELLS, LLC 520 E. NORTHWEST HIGHWAY, SUITE 100 GRAPEVINE, TEXAS 76051 CONTACT: TROY MORRISON PHONE: (817) 328-1978	STRUCTURAL ENGINEER LALONDE ENGINEERING, INC. 6617 RED BUD ROAD FORT WORTH, TEXAS 76135 CONTACT: PHILLIPE LALONDE 817-307-8286
CIVIL ENGINEER ICON CONSULTING ENGINEERS, INC. 250 W. SOUTHLAKE BLVD., SUITE 117 SOUTHLAKE, TEXAS 76092 CONTACT: DAVID C. GREGORY, P.E. PHONE: (817) 562-6210	MECH. / ELEC. ENGINEER ID STUDIO 4 1431 GREENWAY, SUITE 150 IRVING, TEXAS 75038 CONTACT: BRIAN CHANDLER PHONE: (972) 870-1288
GEOTECHNICAL ENGINEER EWI, INC. 4501 BROADWAY AVENUE HALTOM CITY, TEXAS 76117 CONTACT: T. NEIL LAWRENCE JR., P.E. PHONE: (817) 759-9999	LANDSCAPE ARCHITECT IRONWOOD DESIGN GROUP OF TEXAS 116 HIGHWAY 114 GRAPEVINE, TEXAS 76051 PHONE: (817) 329-7643

PROJECT DIRECTORY

SEWER CITY OF CELINA PUBLIC WORKS 107 E. ELM STREET CELINA, TEXAS 75009 CONTACT: ECTOR ARGUELLO PHONE: (972) 658-2204	TELEPHONE AT&T PHONE: (972) 588-3013
WATER CITY OF CELINA PUBLIC WORKS 107 E. ELM STREET CELINA, TEXAS 75009 CONTACT: DAVID STONE PHONE: (214) 585-7142	ROADS CITY OF CELINA PUBLIC WORKS 107 E. ELM STREET CELINA, TEXAS 75009 CONTACT: STEVE SMITH PHONE: (214) 243-6602
GAS / ELECTRIC COSEV PHONE: (940) 321-7800	TRASH WASTE MANAGEMENT PHONE: (972) 315-5400
CELINA PUBLIC WORKS JOSEPH JOHNSON 107 E. ELM STREET CELINA, TEXAS 75009 PHONE: (972) 382-2682	CITY ENGINEER GABE JOHNSON 142 N. OHIO STREET CELINA, TEXAS 75009 PHONE: (972) 382-2682 x1081

TITLE/SITE

T1.0 TITLE SHEET

CIVIL	C1 SITE CIVIL GENERAL NOTES
C2 CITY OF CELINA GENERAL NOTES	
C3 SITE PLAN	
C4 DIMENSION CONTROL PLAN	
C5 GRADING PLAN	
C6 DRAINAGE AREA MAP	
C7 EROSION CONTROL PLAN	
C8 UTILITY PLAN	
C8.1 STORM DRAIN PROFILES	
C9 PAVING PLAN	
C10.1 CIVIL SITE DETAILS	
C10.2 CIVIL SITE DETAILS	
C10.3 CIVIL SITE DETAILS	
C10.4 CIVIL SITE DETAILS	
LANDSCAPE	
L1.0 LANDSCAPE PLAN	
L2.0 IRRIGATION PLAN	
L2.1 IRRIGATION DETAILS	

**CITY OF CELINA
ENGINEERING DEPARTMENT
RELEASED FOR CONSTRUCTION**

DATE 2/24/14 BY [Signature]

PRIOR TO CONSTRUCTION, THE OWNER OR THEIR REPRESENTATIVE SHALL NOTIFY THE CITY OF CELINA ENGINEERING DEPARTMENT AT 972-382-2682 x1081. CONSTRUCTION DRAWINGS STAMPED BY THE CITY OF CELINA SHALL BE ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION. THE CITY OF CELINA STANDARD SPECIFICATIONS FOR CONSTRUCTION SHALL TAKE PRECEDENCE OVER THESE PLANS WHENEVER IN CONFLICT THEREWITH. DISCLAIMER: ALL NECESSARY APPROVALS AND PERMITS SHALL BE ACQUIRED PRIOR TO CONSTRUCTION.



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Civil Engineers - Designers - Planners
2840 W. Southlake Blvd., Suite 110
Southlake, TX 76092
Phone: (817) 562-6210
Fax: (817) 778-4845
Engineering Firm Registration Number F-9007

CONTRACT DATE:	
BUILDING TYPE:	BRB54
PLAN VERSION:	OCT 12-A
SITE NUMBER:	
STORE NUMBER:	

TACO BELL
PRESTON ROAD
CELINA, TEXAS

TACO BELL

TITLE SHEET

T1.0

PLOT DATE: 6/13/2014

PROJECT GENERAL NOTES

VICINITY MAP

UTILITY CONTACTS

SHEET INDEX

P-201404-01

SITE CIVIL GENERAL NOTES

GENERAL

THESE PLANS AND SPECIFICATIONS ARE SUBJECT TO MODIFICATION DURING CONSTRUCTION WHEN CONDITIONS DEVELOP THAT WERE NOT APPARENT DURING THE DESIGN AND PREPARATION OF THESE PLANS. ALL MODIFICATIONS MUST BE APPROVED BY LOCAL JURISDICTION PRIOR TO CONSTRUCTION AND/OR IMPLEMENTATION.

BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL REVIEW ALL PLANS AND SPECIFICATIONS AND THE JOB SITE. THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATION TO THESE PLANS OR OF ANY FIELD CONFLICTS.

IN THE EVENT OF ANY DISCREPANCY BETWEEN ANY DRAWING AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE TAKEN AS CORRECT.

SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, ACCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR DESIGN PROFESSIONAL.

CONTRACTOR SHALL OBTAIN NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION INVOLVING RIGHT-OF-WAYS, AND FOR THE CONSTRUCTION, MODIFICATION, OR CONNECTION TO FACILITIES. ALL WORKMANSHIP EQUIPMENT AND MATERIALS SHALL CONFIRM TO LOCAL JURISDICTION STANDARDS AND SPECIFICATIONS.

TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH LOCAL JURISDICTION.

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.

WHERE SOIL OR GEOLOGIC CONDITIONS ENCOUNTERED IN GRADING OPERATIONS ARE DIFFERENT FROM THOSE ANTICIPATED IN THE SOIL AND GEOLOGICAL INVESTIGATION REPORT, OR WHERE CONDITIONS WARRANT CHANGES TO THE RECOMMENDATIONS CONTAINED THEREIN, A REVISED SOIL OR GEOLOGIC REPORT SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE ACCOMPANIED BY AN ENGINEER'S OPINION AS TO THE SAFETY OF THE SITE FROM THE POSSIBILITY OF LAND SLIPPAGE, SETTLEMENT AND SEISMIC ACTIVITY.

GRADING AND DRAINAGE

THE FORMS FOR CONCRETE SIDEWALKS, CURBS, GUTTERS, AND DRIVEWAYS THAT ARE TO BE CONSTRUCTED TO CONFORM TO EXISTING ROADS SHALL BE INSTALLED TO THE GRADES SHOWN ON THESE PLANS. PRIOR TO PLACING CONCRETE, THE FORMS SHALL BE INSPECTED AND APPROVED BY LOCAL JURISDICTION FOR CONFORMANCE TO EXISTING ROAD IMPROVEMENTS. GRADES OF NEW IMPROVEMENTS ARE SUBJECT TO FIELD ADJUSTMENT TO FIT CONDITIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING FACILITIES TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS, OR HAZARDOUS CONDITIONS.

ALL GRADING, BACKFILLING, EXCAVATION, ETC., SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL INVESTIGATION REPORTS. REFER TO THESE REPORTS FOR ADDITIONAL INFORMATION NOT TRANSFERRED TO THESE PLANS.

ALL GRADING, EROSION, AND SEDIMENT CONTROL AND RELATED WORK UNDERTAKEN ON THIS SITE SHALL BE IN ACCORDANCE WITH LOCAL JURISDICTION.

THE CONTRACTOR SHALL NOT DISTURB ANY PERMANENT SURVEY POINTS WITHOUT THE CONSENT OF LOCAL JURISDICTION. ANY POINTS DESTROYED SHALL BE REPLACED BY A LICENSED SURVEYOR AT THE CONTRACTOR'S EXPENSE.

WHERE UNSTABLE OR UNSUITABLE MATERIALS ARE ENCOUNTERED DURING SUBGRADE PREPARATION, THE AREA IN QUESTION SHALL BE OVER EXCAVATED AND REPLACED BY SELECT BACKFILL MATERIAL AS DIRECTED IN THE FIELD BY THE ENGINEER.

THE OWNER WILL, AT HIS SOLE EXPENSE, MAKE TESTS OVER THE SOIL ON WHICH THE ROAD SURFACING AND BASE IS TO BE CONSTRUCTED AND FURNISH THE TEST REPORTS TO THE PROJECT ENGINEER FOR USE IN DETERMINING THE STRUCTURAL DESIGN OF THE ROADBED.

A REPRESENTATIVE OF THE SOILS ENGINEER (PSI) SHALL BE ON THE SITE DURING GRADING OPERATIONS AND SHALL OBSERVE THE GRADING AND IDENTIFY ANY CONDITIONS THAT SHOULD BE CORRECTED AND RECOMMEND CORRECTIVE MEASURES TO THE CONTRACTOR.

GRADING AT THE BOUNDARIES SHALL BE DONE SO AS NOT TO OBSTRUCT THE RUNOFF OF STORM WATERS FROM ADJACENT PROPERTIES.

UTILITIES

ALL TRENCH EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH TRENCH BACKFILL DETAIL, SHOWN ON THESE PLANS.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES AND/OR UTILITIES DURING CONSTRUCTION. PROPER REPAIR SHALL BE DONE TO THE SATISFACTION OF THE APPROPRIATE UTILITY COMPANY.

THE CONTRACTOR SHALL NOTIFY ALL UTILITIES COMPANIES 48 HOURS PRIOR TO ANY EXCAVATION SO THAT THEIR LINES CAN BE MARKED.

THE CONTRACTOR SHALL COORDINATE THE WORK TO AVOID CONFLICTS BETWEEN SEWERS, STORM DRAINS, AND WATER MAINS. TEMPORARY REPAIRS TO ALL TRENCHES WITHIN THE TRAVELED WAY ON EXISTING ROADS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS OF TRENCH OPENING. MINIMUM TEMPORARY REPAIRS SHALL CONSIST OF BACKFILLING AND COMPACTING 6" OF AGGREGATE BASE AND 1" OF TEMPORARY ASPHALTIC SURFACING.

MINIMUM COVER FOR CONDUITS SHALL BE 36" UNLESS OTHERWISE SHOWN OR NOTED ON THESE PLANS.

EXISTING UNDERGROUND FACILITIES AS SHOWN ARE APPROXIMATE ONLY AND WERE OBTAINED FROM AVAILABLE UTILITY RECORDS. HOWEVER, THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY OR COMPLETENESS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL LOCAL UTILITIES AND TO HAVE ALL FACILITIES LOCATED AND EXPOSED TO VERIFY THE CLEARANCE OF NEW PIPE LINE CROSSINGS BEFORE CONSTRUCTION OF NEW PIPE LINES COMMENCES.

ANY RELOCATION OF PUBLIC UTILITIES SHALL BE DONE IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE UTILITY COMPANY AND WITH REGARD TO THE REQUIRED FEES, BONDS, PERMITS, WORKING CONDITIONS, ETC., OF SAID COMPANY.

ABANDONED UNDERGROUND STRUCTURES ENCOUNTERED SHALL BE REMOVED TO SUFFICIENT DEPTH TO ALLOW UNDERGROUND LINES TO CROSS.

PRIOR TO FINAL PREPARATION OF THE SUBGRADE AND PLACEMENT OF BASE MATERIAL, ALL UNDERGROUND UTILITY MAINS SHALL BE INSTALLED AND SERVICE CONNECTIONS STUBBED OUT BEYOND CURB LINE. SERVICES FROM PUBLIC UTILITIES AND SANITARY SEWERS SHALL BE MADE IN A MANNER AS WILL MINIMIZE THE DISTURBANCE OF STREET.

IN THE EVENT THAT DETAILS ARE MISSING, CONTRACTOR SHALL REFERENCE THE CITY DETAILS. IF APPROPRIATE DETAIL IS NOT AVAILABLE FROM THE CITY, IT SHALL CONFORM TO THE LATEST EDITION OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) STANDARD SPECIFICATIONS FOR PUBLIC WORKS.

EROSION CONTROL

THE EROSION CONTROL MEASURES ARE TO BE IN PLACE PRIOR TO ANY EARTHWORK.

ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED.

ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY.

ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS, THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT-LADEN RUNOFF TO ANY STORM DRAIN SYSTEM.

VEGETATED SLOPES SHALL BE REPAIRED AS SOON AS POSSIBLE AFTER DAMAGED.

BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES.

ALL CUT AND FILL SLOPES SHALL BE PROTECTED TO PREVENT OVER BANK FLOW.

INLETS WHICH ARE NOT USED IN CONJUNCTION WITH A SEDIMENT TRAP SHALL BE BLOCKED OR PROTECTED AS NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM ENTERING UNLESS THE AREA DRAINED IS UNDISTURBED OR STABILIZED.

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED AT THE POINT OF EGRESS FROM THE SITE. THE CONSTRUCTION ENTRANCE SHALL BE COMPOSED OF COURSE DRAIN ROCK (2 TO 3 INCH DIAMETER) IN A PAD AT LEAST 8 INCHES THICK BY THE WIDTH OF THE ROADWAY AND SHALL BE MAINTAINED UNTIL THE ROADWAY IS PAVED.

WHEN NO LONGER NECESSARY AND PRIOR TO FINAL ACCEPTANCE, SEDIMENT BASINS SHALL BE REMOVED OR OTHERWISE DEACTIVATED.

HYDROSEED ALL CUT AND FILL SLOPES AND AREAS WHERE VEGETATION HAS BEEN REMOVED OR DISTURBED DUE TO CONSTRUCTION ACTIVITIES. HYDROSEED SHALL BE A SLURRY MIXTURE OF WATER, SEED, FERTILIZER, MULCH AND ORGANIC BINDER BROADCAST HYDRAULICALLY.

EROSION CONTROL SUBJECT TO LOCAL AND STATE REGULATIONS AND DETAILS.


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 Fax: (817) 778-4845
 Engineering Firm Registration Number F-9007



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CONTRACT DATE: ---
 BUILDING TYPE: BRB54
 PLAN VERSION: OCT 12-A
 SITE NUMBER: ---
 STORE NUMBER: ---

TACO BELL

PRESTON ROAD
CELINA, TEXAS



TACO BELL

**SITE CIVIL
GENERAL NOTES**

C1

PLOT DATE: 6/13/2014

CITY OF CELINA CONSTRUCTION GENERAL NOTES – REVISED 8/12/2013

GENERAL

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" INCLUDING THE STANDARD DRAWINGS THEREIN AND THE CITY OF CELINA'S ADDENDUM THERETO. CONTRACTOR SHALL HAVE AT LEAST ONE SET OF APPROVED ENGINEERING PLANS AND SPECIFICATIONS ON-SITE AT ALL TIMES.
 2. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PREPARE A CONSTRUCTION SEQUENCE SCHEDULE. THE CONSTRUCTION SCHEDULE SHALL BE SUCH THAT THERE IS MINIMUM INTERFERENCE WITH TRAFFIC ALONG OR ADJACENT TO THE PROJECT.
 3. CONSTRUCTION MAY NOT BEGIN EARLIER THAN 7:00 A.M. ON WEEKDAYS NOR CONTINUE AFTER DARK WITHOUT PERMISSION FROM THE CITY OF CELINA. CONSTRUCTION ON HOLIDAYS AND SATURDAY MUST BE APPROVED TWO DAYS IN ADVANCE. A FEE OF \$300.00 A DAY FOR WORKING ON HOLIDAYS AND SATURDAY WILL BE ACCESSED PAYABLE TO THE CITY BEFORE WORK IS PERFORMED. WORK MAY NOT BEGIN BEFORE 8:00 A.M. ON HOLIDAYS AND SATURDAY AND WORK ON SUNDAY IS PROHIBITED WITHOUT SPECIAL PERMISSION AND PAYMENT OF FEES.
 4. UTILITIES SHOWN ON THE PLANS WERE TAKEN FROM FIELD SURVEYS AND INFORMATION PROVIDED BY THE UTILITY COMPANIES, THE COMPLETENESS AND THE ACCURACY OF THIS DATA IS NOT GUARANTEED.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND PROTECTING THEM FROM DAMAGE DURING CONSTRUCTION.

IT WILL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT ALL EXISTING PUBLIC AND PRIVATE UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES FOR LINE LOCATION PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL ASSUME FULL LIABILITY TO THOSE COMPANIES FOR ANY DAMAGES CAUSED TO THEIR FACILITIES.
- | | |
|-----------------|--------------|
| DIG TESS | 800-DIG-TESS |
| GCEC-TELECOM | 903-482-7274 |
| GCEC-ELECTRIC | 903-821-3007 |
| AT&T | 972-569-3013 |
| ATMOS ENERGY | 972-881-4161 |
| ATMOS ENERGY | 214-341-9900 |
| CROSSTEX ENERGY | 817-570-6753 |
| ONEOK | 903-257-6594 |
| COSERV-ELEC | 940-321-7800 |
| COSERV-GAS | 940-321-7800 |
| CITY OF CELINA | 972-382-2682 |
| TOWN OF PROSPER | 972-347-9969 |
| MARILEE SUD | 972-382-3222 |
| GRANDE | 972-410-0583 |
| SUDDEN LINK | 469-853-0486 |
5. WORK MAY NOT BE BACKFILLED OR COVERED UNTIL THE CITY HAS INSPECTED IT.
 6. MATERIAL TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY AND PAID FOR BY THE CONTRACTOR. THE FOLLOWING MATERIAL TESTS SHALL BE PROVIDED BY THE CONTRACTOR:
 - A. EMBANKMENT – ONE SOIL DENSITY TEST SHALL BE PERFORMED AT EACH LOCATION FOR EACH 500 C.Y. OF BACKFILL PLACED.
 - B. PAVEMENT SUB GRADE – ONE GRADATION TEST (WHERE LIME STABILIZED) AND ONE SOIL DENSITY TEST SHALL BE PERFORMED FOR EACH 300 LINEAR FEET OF PAVEMENT UNLESS OTHERWISE NOTED. GRADATIONS MUST PASS 100% THROUGH A 1 3/4" SIEVE AND 60% THROUGH A #4 SIEVE.
 - C. UTILITY TRENCH BACKFILL – ONE SOIL DENSITY TEST SHALL BE PERFORMED AT 300 FEET INTERVALS OR AS DIRECTED BY THE INSPECTOR.
 - D. CONCRETE TESTS:
 - (1). COMPRESSIVE STRENGTH – FOUR TEST CYLINDERS SHALL BE TAKEN FROM A REPRESENTATIVE PORTION OF THE CONCRETE BEING PLACED FOR EVERY 150-CUBIC YARDS OF CONCRETE PAVEMENT PLACED, BUT IN NO CASE SHALL LESS THAN 2 SETS OF CYLINDERS BE TAKEN FROM ANY ONE DAY'S PLACEMENT.)
 - (2). AIR, SLUMP, AND TEMPERATURE TESTS SHALL BE TAKEN FOR EVERY SET OF CYLINDERS MADE. CONCRETE WITH A TEMPERATURE ABOVE 95° F WILL BE REJECTED.
 - (3). ADDITIONAL CYLINDERS AND/OR TESTS MAY BE REQUIRED AT THE INSPECTOR'S DISCRETION.

THE CITY SHALL SELECT THE LOCATION AND DEPTH OF EACH SOIL DENSITY TEST UNLESS OTHERWISE DIRECTED.
 7. ALL EXCAVATION ON THE PROJECT IS UNCLASSIFIED.
 8. TEMPORARY EROSION CONTROL SHALL BE USED TO MINIMIZE THE SPREAD OF SILT AND MUD FROM THE PROJECT ON TO EXISTING STREETS, ALLEYS, DRAINAGE WAYS AND PUBLIC AND PRIVATE PROPERTY. TEMPORARY EROSION CONTROLS MAY INCLUDE SILT FENCES, ROCK CHECK DAMS, STABILIZED CONSTRUCTION ENTRANCES, STRAW BALES, BERMS, DIKES, SWALES, STRIPS OF UNDISTURBED VEGETATION, CHECK DAMS AND OTHER METHODS AS REQUIRED BY THE CITY MANAGER OR HIS REPRESENTATIVE AND SHALL CONFORM TO THE STORM WATER QUALITY BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS AND THE CITY OF CELINA EROSION AND SEDIMENT CONTROL MANUAL.

9. FINISHED SLOPES ON PUBLIC RIGHTS-OF-WAY AND EASEMENTS SHALL NOT BE STEEPER THAN 4:1. ALL SLOPES STEEPER THAN 6:1 SHALL BE COVERED WITH EROSION CONTROL MATTING AND ARE HYDRO MULCHED AND MAINTAINED BY THE CONTRACTOR UNTIL GRASS COVERS ALL PARTS OF THE SLOPE.
10. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES ALONG THE PROJECT.
11. REMOVE, SALVAGE AND REPLACE ALL STREET AND TRAFFIC CONTROL SIGNS, WHICH MAY BE DAMAGED BY THE CONSTRUCTION OF THE PROJECT.
12. ALL TRENCHING AND EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH OSHA STANDARDS. TRENCH SAFETY DESIGN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL SUBMIT A TRENCH SAFETY DESIGN APPROVED BY A PROFESSIONAL ENGINEER TO THE CITY FOR REVIEW PRIOR TO THE START OF ANY UNDERGROUND UTILITY CONSTRUCTION.

PAVING

1. ALL EMBANKMENTS SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY.
2. ALL STREETS AND ALLEYS SHALL BE PLACED ON LIME STABILIZED SUB GRADE WITH A LIME CONTENT OF NOT LESS THAN 7%, OR AS APPROVED BY CITY ENGINEER.
3. THE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE STREET PAVING SHALL NOT BE LESS THAN 3600 PSI AND SHALL BE AIR ENTRAINED. WATER MAY NOT BE APPLIED TO THE SURFACE OF CONCRETE PAVING TO IMPROVE WORKABILITY.
4. ALL CURB AND GUTTER SHALL BE INTEGRAL WITH THE PAVEMENT.
5. PARABOLIC CROWNS ARE REQUIRED ON ALL STREET PAVEMENTS EXCEPT ON MAJOR THOROUGHFARES WHERE STRAIGHT SECTIONS ARE REQUIRED.
6. STREETS AND ALLEYS SHALL BE CONSTRUCTED WITH PROVISIONS FOR SIDEWALK RAMPS AT ALL INTERSECTIONS.

DRAINAGE

1. STORM SEWER PIPE SHALL BE REINFORCED CONCRETE, CLASS III UNLESS OTHERWISE NOTED.
2. ALL STRUCTURAL CONCRETE SHALL BE CLASS "C" (3600 PSI COMPRESSIVE STRENGTH AT 28 DAYS), AIR ENTRAINED.
3. THE CONTRACTOR SHALL INSTALL PLUGS IN STORM SEWER LINES OR OTHERWISE PREVENT MUD FROM ENTERING THE STORM SEWER SYSTEM DURING CONSTRUCTION.

WATER AND SANITARY SEWER

1. WATER MAINS SHALL BE AWWA C-900 OR 905 PVC CLASS 200 UNLESS OTHERWISE NOTED. MINIMUM COVER FOR WATERLINES IS 48" BELOW TOP OF CURB, 60" WHERE NO CURBED STREET IS PRESENT OR AS REQUIRED TO CLEAR EXISTING UTILITIES, WHICHEVER IS GREATER. CLASS B+ EMBEDMENT UNLESS OTHERWISE NOTED.
2. ALL UTILITY TRENCH BACKFILL SHALL BE PERFORMED IN 12" LOOSE LIFTS AND MECHANICALLY COMPACTED WITH APPROVED VIBRATORY METHODS.
3. MARKING TAPE SHALL BE INSTALLED ONE FOOT ABOVE AND OVER PVC WATER LINES.
4. FITTINGS FOR PVC WATER LINES SHALL BE DUCTILE IRON AND BE ENCASED IN A POLYETHYLENE SHEATH.
5. ALL MECHANICAL JOINTS WILL BE RESTRAINED. (MEGA-LUG ETC.)
6. VALVES, INCLUDING TAPPING VALVES SHALL BE RESILIENT SEAT GATE VALVES, UNLESS NOTED OTHERWISE.
7. ALL DIRECT BURIAL VALVES SHALL BE PROVIDED WITH CAST IRON VALVE BOXES WITH PVC STACKS. VALVE STACKS SHALL BE VERTICAL AND CONCENTRIC WITH THE VALVE STEM. STAINLESS STEEL VALVE EXTENSIONS ARE REQUIRED ON ALL VALVES WHERE THE OPERATING NUT IS GREATER THAN 4 FEET BELOW FINISHED GRADE.
8. FIRE HYDRANTS SHALL BE WATEROUS OR EQUAL AS DIRECTED OR APPROVED BY THE CITY OF CELINA ON A CASE BY CASE BASIS AND FIELD PAINTED SILVER WITH BONNET AND CAPS COLOR-CODED TO PIPE SIZE.
 - A. SIX INCH LINE- SILVER BODY WITH RED BONNET AND CAPS.
 - B. EIGHT INCH LINE- SILVER BODY WITH BLUE BONNET AND CAPS.
 - C. TEN INCH LINE- SILVER BODY WITH GREEN BONNET AND CAPS.
 - D. TWELVE INCH AND LARGER- SILVER BODY WITH YELLOW BONNET AND CAPS.

9. ALL EXPOSED BOLTING ON ANY BURIED EQUIPMENT OR MATERIAL SHALL BE STAINLESS STEEL. INCLUDED ARE:
 - A. BONNET AND STUFFING BOX BOLTS ON VALVES.
 - B. SHOE BOLTS ON FIRE HYDRANTS.
 - C. FLANGE BOLTS.
 - D. "COR-TEN" MECHANICAL JOINT "T" BOLTS ARE ACCEPTABLE FOR DIRECT BURIAL SERVICE.

10. DEPENDING ON METER SIZE; METER BOXES SHALL BE DFW37C-12-1SAF, DFW38C-14-1SAF, DFW65C-14-1SAF, OR APPROVED EQUAL, AND SHALL INCORPORATE THE CELINA LOGO IN THE LID.

11. ONE SAMPLE STATION SHALL BE PROVIDED TO THE CITY FOR EVERY 250 CONNECTIONS.

SANITARY SEWER MAINS SHALL BE DR 35 PVC, EMBEDMENT SHALL BE CLASS H UNLESS OTHERWISE NOTED.

- A. THE CONTRACTOR SHALL INSTALL AND MAINTAIN WATERTIGHT PLUGS IN ALL CONNECTIONS TO THE CITY'S SANITARY SEWER SYSTEM UNTIL THE CITY ACCEPTS THE PROJECT.
 - B. ALL SANITARY SEWER LINES AND MANHOLES SHALL BE LEAK TESTED BEFORE THE PROJECT IS ACCEPTED. DEFLECTION TESTING OF PVC SEWER LINES IS REQUIRED. DEFLECTION SHALL BE TESTED WITH A MANDREL FOR 5% DEFLECTION.
 - C. ALL SEWER LINES SHALL BE VIDEO INSPECTED WITH A COPY OF THE VIDEO AND STATION REPORT SUBMITTED TO THE INSPECTOR.
 - D. MANDREL, AIR TEST, AND VIDEO INSPECTION SHALL NOT BE PERFORMED UNTIL ALL UTILITIES ARE COMPLETE, IN PLACE, AND BACKFILLED.
- SPECIFICATIONS ARE NOT MEANT TO EXCLUDE ANY OTHER MANUFACTURER. ANY SPECIFICATION MAY BE REPLACED WITH AN APPROVED EQUAL UPON APPROVAL BY THE CITY OF CELINA.

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Engineering Firm Registration Number F-9007



CONTRACT DATE: --
BUILDING TYPE: BRB54
PLAN VERSION: OCT 12-A
SITE NUMBER: --
STORE NUMBER: --

TACO BELL
PRESTON ROAD
CELINA, TEXAS



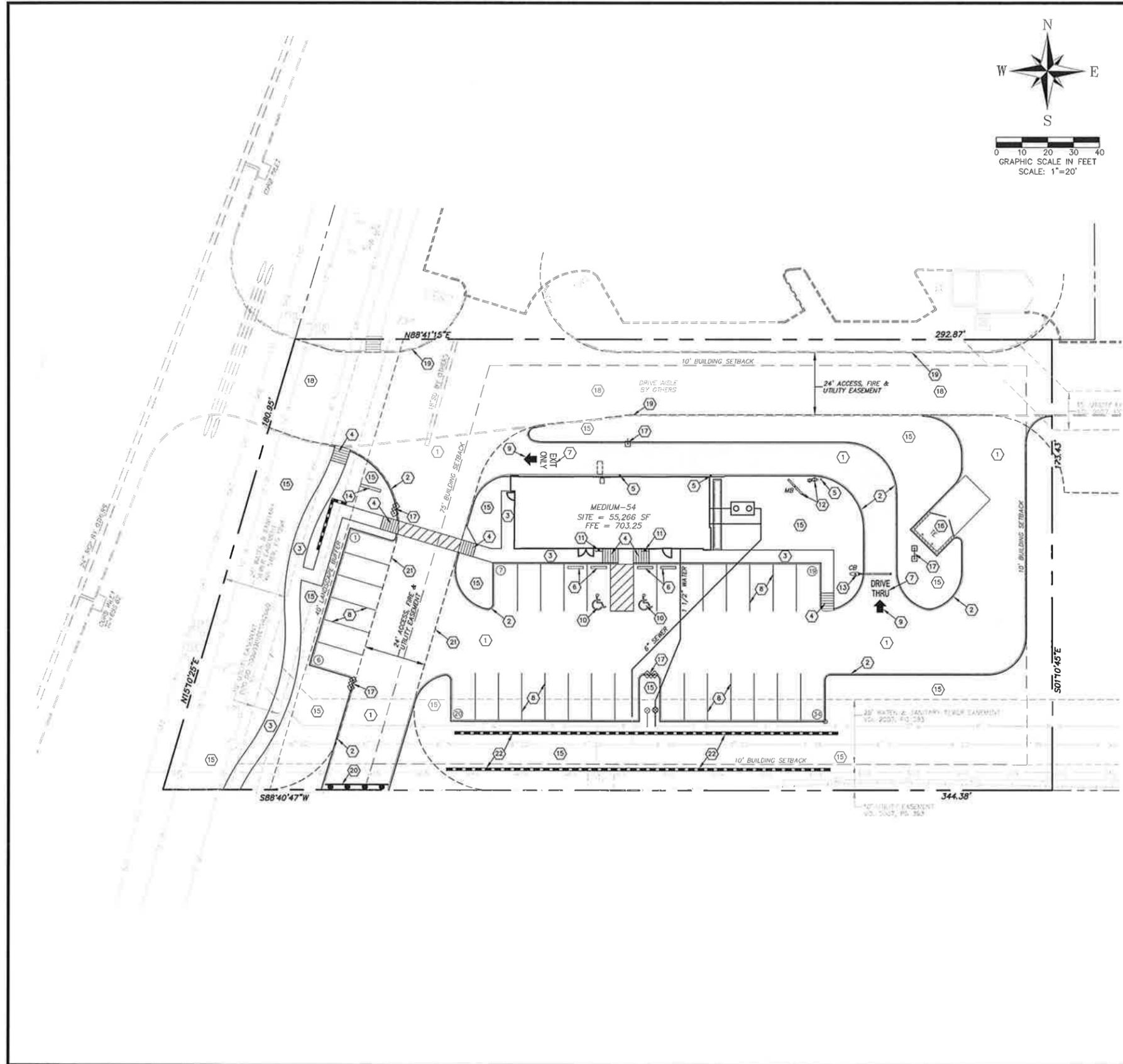
TACO BELL

**CITY OF CELINA
GENERAL NOTES**

C2

PLOT DATE: 6/13/2014

P-201404-01



SITE PLAN NOTES

1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT & PLANS ETC...
3. DEMOLITION/SITE CLEARING: SEE CIVIL DWG'S AND GEOTECHNICAL REPORT FOR EXTENT OF SITE DEMOLITION. THIS WORK SHALL INCLUDE REMOVAL OF ALL EXISTING PAVEMENTS, CURBS (U.G.N.), LIGHT POLES (INCLUDING FIG'S.), VEGETATION (INCLUDING STUMPS), UTILITIES (NOT OTHERWISE REUSED), ETC. AS REQUIRED FOR NEW CONSTRUCTION.
4. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS & SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT REFERENCED IN THIS PLAN SET. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & REPLACING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT. ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED AND MOISTURE CONDITIONED AS SPECIFIED IN THE SOILS REPORT. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED SOILS ENGINEER, REGISTERED WITHIN THE STATE WHERE THE WORK IS PERFORMED, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECS, AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
5. THE A.L.T.A. SURVEY SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
6. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE APPROPRIATE UTILITY COMPANY. NO COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR DAMAGE AND REPAIR TO THESE FACILITIES CAUSED BY HIS WORK FORCE.
7. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION. FOR NECESSARY PLAN OR GRADE CHANGES, NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
8. SEE CIVIL PLANS FOR ALL WORK IN STREET RIGHT OF WAY. CITY PERMITS TO BE OBTAINED AND PAID FOR BY THE GENERAL CONTRACTOR.
9. ALL DIMENSIONS ARE FROM BACK OF CURB UNLESS NOTED OTHERWISE.

SITE DATA	
LOT AREA	55,266 SF; 1.269 AC
BUILDING AREA	2,111 SF (3.8% COVERAGE)
IMPERVIOUS AREA	32,714 SF (59.2% COVERAGE)
PERVIOUS AREA	22,552 SF (40.8% COVERAGE)
EXISTING ZONING	C-2
PROPOSED ZONING	C-2
EXISTING USAGE	VACANT
PROPOSED USAGE	RESTAURANT W/ DRIVE THRU
REQUIRED PARKING	21 SPACES (1/100 BUILDING SF)
PROPOSED PARKING	34 SPACES

KEYNOTES

1. INSTALL PAVEMENT PER PAVING PLAN & GEOTECHNICAL SPECIFICATIONS
2. CONSTRUCT MONOLITHIC CONCRETE CURB
3. CONSTRUCT P.C.C. CURBED EDGE SIDEWALK PER DETAIL 2:C10.1
4. CONSTRUCT P.C.C. DEPRESSED RAMP PER DETAIL 5:C10.1
5. INSTALL GUARD POST PER DETAIL 4:C10.1
6. INSTALL PRECAST CONCRETE WHEELSTOPS PER DETAIL 3:C10.1
7. PAINT 24" HIGH LETTERS - WHITE PER DETAIL 10:C10.1
8. PAINT 4" WIDE SOLID STRIPE - WHITE
9. PAINT TRAFFIC ARROWS - WHITE PER DETAIL 10:C10.1
10. PAINT HANDICAP SYMBOL - WHITE ON BLUE BACKGROUND PER DETAIL 7:C10.1
11. INSTALL HANDICAP SIGN PER DETAIL 5:C10.2
12. MENU BOARD, SPEAKER PEDESTAL & SENSOR LOOP PER DETAIL BY SIGN SUPPLIER. FOUNDATIONS BY GENERAL CONTRACTOR PER DETAIL 1:C10.4 AND 2:C10.3
13. CLEARANCE BAR BY SIGN SUPPLIER AND FOUNDATION BY GENERAL CONTRACTOR PER DETAIL 3:C10.4
14. MONUMENT SIGN BY SIGN VENDOR
15. LANDSCAPE AREA - REFER TO SHEET L1 FOR LAYOUT
16. CONSTRUCT TRASH ENCLOSURE PER DETAIL 4:C10.2, 8:C10.2, 9:C10.2 AND 10:C10.2
17. SITE LIGHTS (SEE PHOTOMETRICS PLAN) LIGHT BASES PER DETAIL 1:C10.2
18. PAVEMENT BY OTHERS
19. CURB BY OTHERS
20. INSTALL TYPE III BARRICADE PER DETAIL 11:C10.1
21. PAINT FIRELANE PER DETAIL 3:C10.3
22. PAVESTONE RETAINING WALL. SEE SHEET C5 FOR WALL HEIGHT

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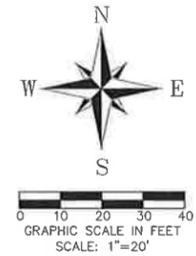
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TACO BELL
 PRESTON ROAD
 CELINA, TEXAS

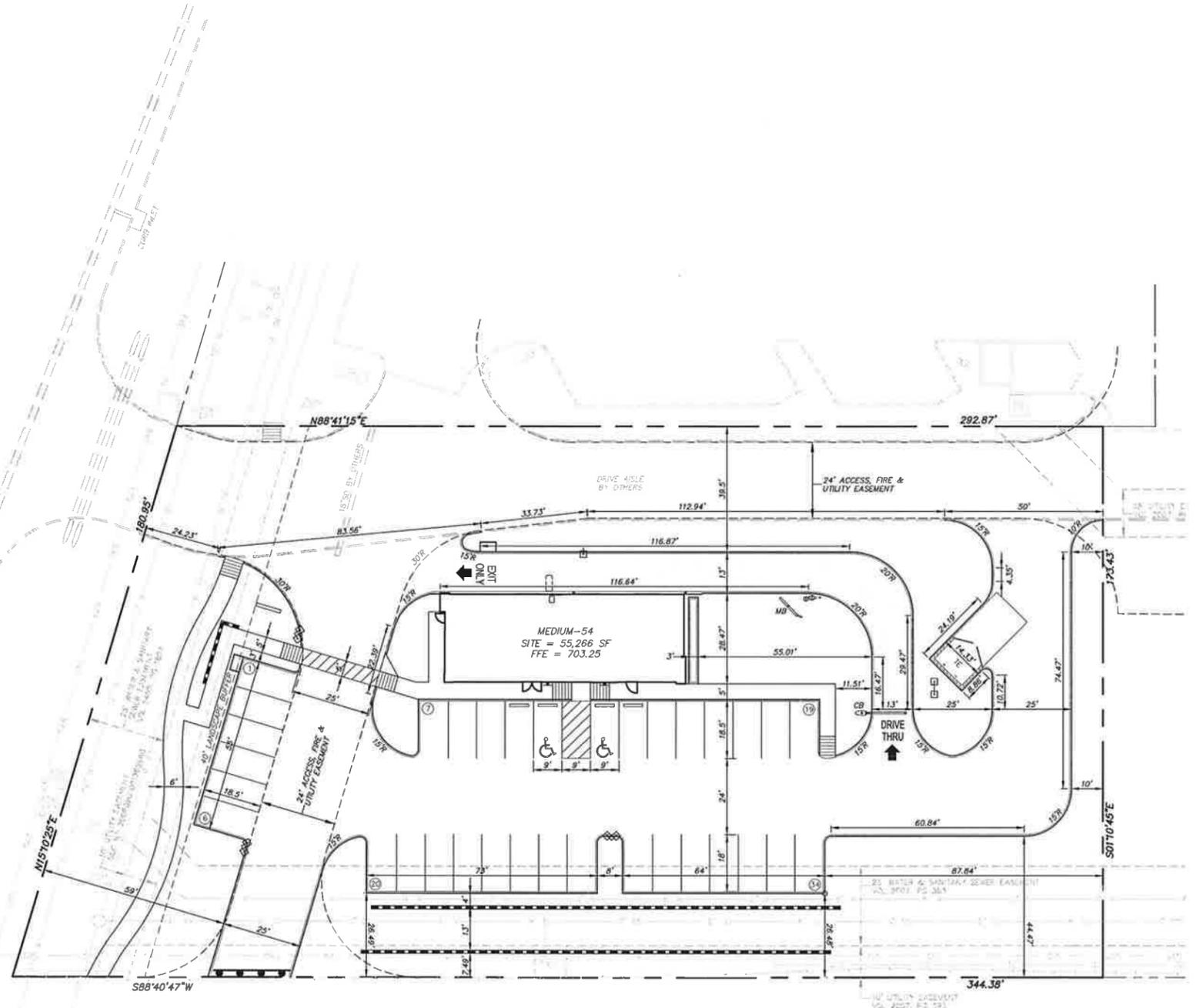


TACO BELL

SITE PLAN
C3



NOTES:
 1. ALL DIMENSIONS ARE TO BACK OF CURB.
 2. ALL CURB RADII ARE 2' TO BACK OF CURB UNLESS OTHERWISE NOTED.



STATE HIGHWAY 289
 (PRESTON ROAD)
 VARIABLE WIDTH ROAD

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TACO BELL
 PRESTON ROAD
 CELINA, TEXAS



DIMENSION CONTROL PLAN

C4

PLOT DATE: 6/13/2014

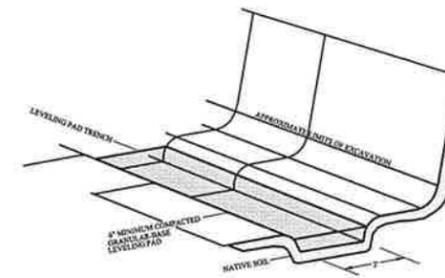
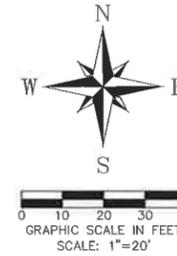
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GENERAL NOTES

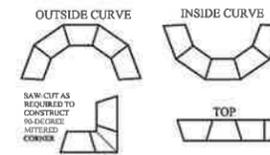
- BUILDING FOUNDATION HAS BEEN DESIGNED USING EXTERIOR GRADE BEAMS AS STIPULATED IN THE GEOTECHNICAL REPORT. BUILDING PAD SHALL BE OVEREXCAVATED TO OBTAIN 3 FEET OF SELECT FILL IN ACCORDANCE TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATION.
- SELECT FILL SHALL BE USED TO BRING PAD TO PROPOSED GRADE. SELECT FILL SHALL MEET SPECIFICATIONS SET IN EW REPORT #LE133035 DATED JANUARY 2014.
- SELECT FILL SHALL BE PLACED IN LIFTS AND DENSITIES MEETING GEOTECHNICAL SPECIFICATIONS. ANY LIFTS THAT DO NOT MEET COMPACTION STANDARDS SHALL BE REMOVED, AND REWORKED AT THE CONTRACTOR'S EXPENSE.
- SPOILS SHALL BE REMOVED AND DISPOSED OFF-SITE.

NOTES:

- ALL SPOT GRADES ARE TO GUTTER UNLESS STATED OTHERWISE.
- STANDARD 6" CURB SHALL BE USED UNLESS OTHERWISE NOTED.

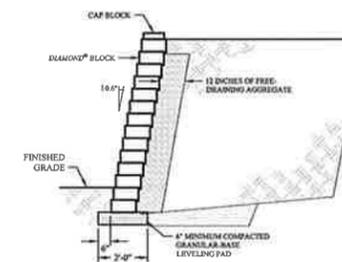


Anchor™ Diamond®
X TYPICAL BASE PREPARATION
WX (NOT TO SCALE)

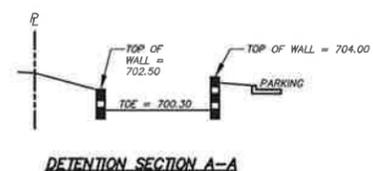
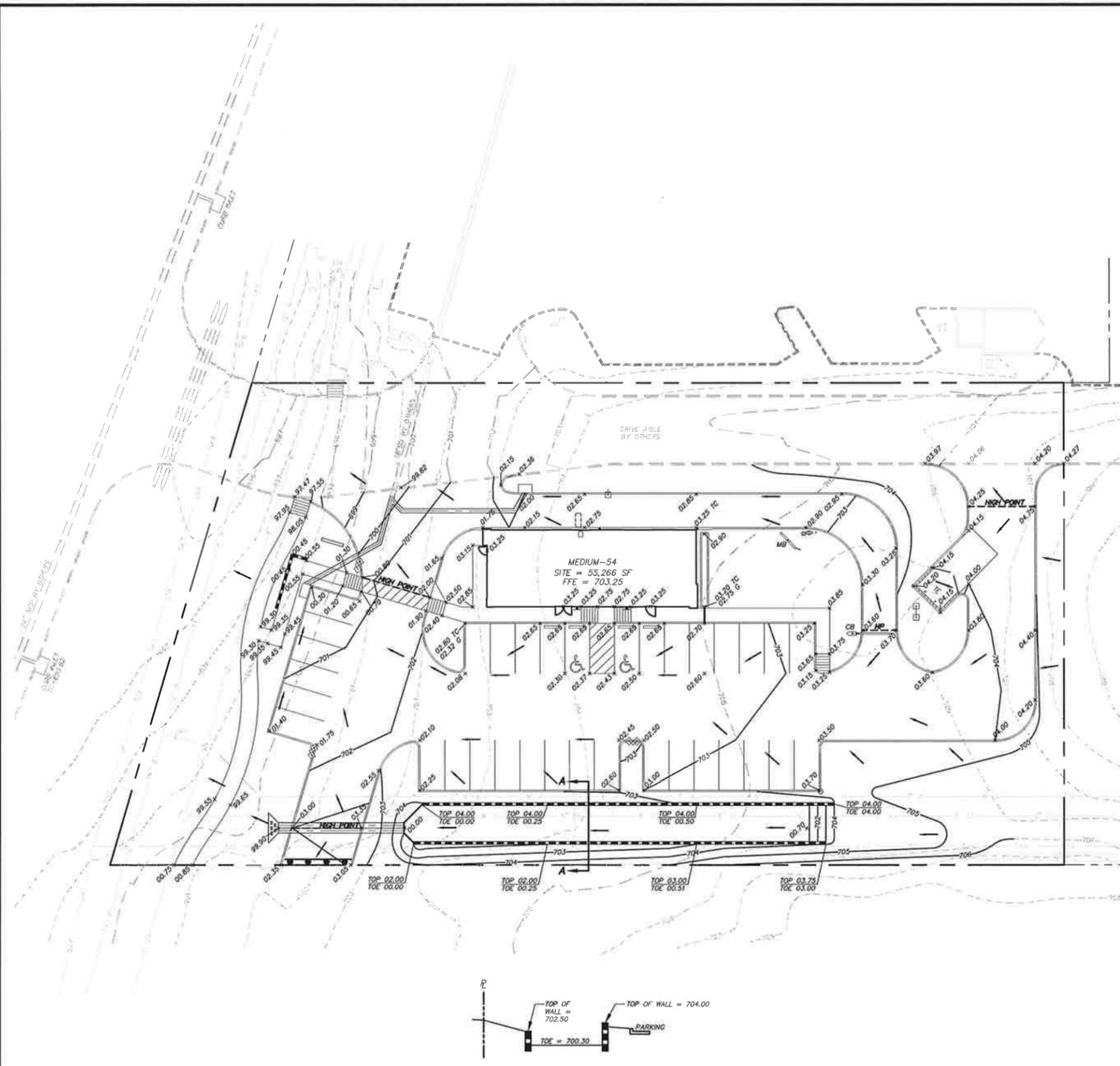


- Always start capping wall from the lowest elevation.
- Lay out caps prior to being set in.
- Use caps to fill. Verify combination of long and short cap faces will be necessary for radii greater than the radius.
- Alternate short and long cap faces every other cap to achieve a straight row of caps.
- Use exterior grade construction techniques to secure caps.

Anchor™ Diamond®
X CAP BLOCK DETAILS
WX (NOT TO SCALE)



Anchor™ Diamond®
X TYPICAL CROSS SECTION
WX (SCALE: 3/8\"/>



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TACO BELL
PRESTON ROAD
CELINA, TEXAS

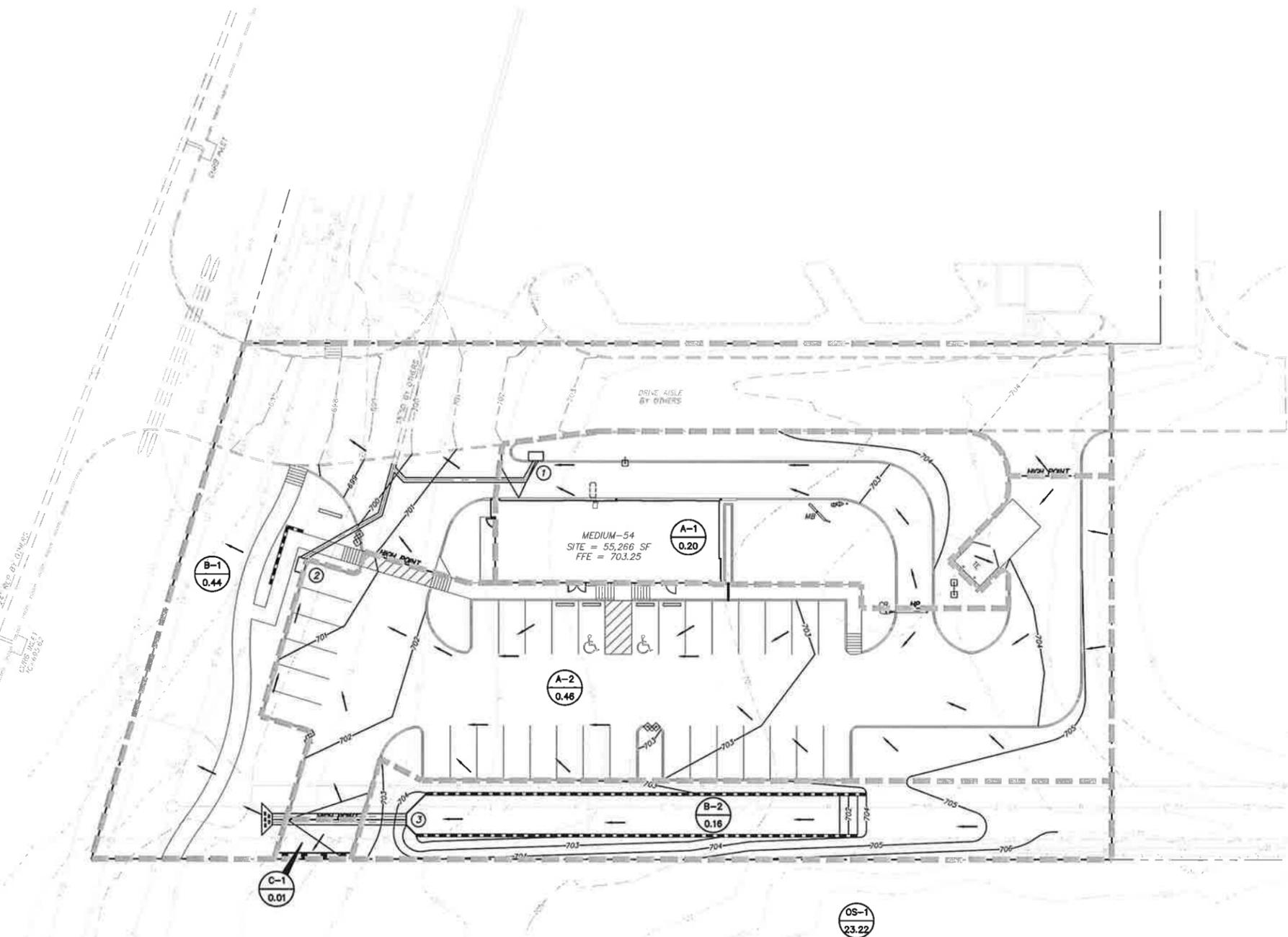


TACO BELL

GRADING
PLAN
C5



LEGEND	
	DRAINAGE DESIGNATION DRAINAGE AREA ACRES
	FLOW ARROW
	INLET/CURB OPENING DESIGNATION



SEE ATTACHED TECHNICAL MEMO FOR DETENTION

INLET CALCULATIONS	
INLET 1 - ON GRADE INLET	INLET 2 - SUMP INLET
$L = \frac{Q(H1 - H2)}{(H1^2 - H2^2)(0.7)}$	$Q = 3.087(L)(H)^{3/2}$
H1 = 0.45 H2 = 0.15 Q = 1.22 L = 4' REQUIRED L = 5' PROVIDED	Q = 2.94 L = 5' PROVIDED H = 0.29'

AREA DESIGN.	AREA (acres)	C	CA	TC	I100	Q100	REMARKS
A-1	0.20	0.70	0.14	10	8.74	1.22	SHEET FLOW TO CURB INLET #1
A-2	0.48	0.70	0.34	10	8.74	2.94	SHEET FLOW TO CURB INLET #2
B-1	0.44	0.70	0.31	10	8.74	2.68	SHEET FLOW TO DRAINAGE DITCH ALONG PRESTON
B-2	0.16	0.70	0.11	10	8.74	0.98	SHEET FLOW TO CULVERT #3
C-1	0.01	0.70	0.01	10	8.74	0.06	SHEET FLOW OFFSITE
OS-1	23.22	0.40	9.29	4.3	4.75	44.12	SHEET FLOW TO DETENTION POND

COMPOSITE "C" VALUE BASED ON 59.2% IMPERVIOUS (0.9) AND 40.8% PERVIOUS (0.4) AREAS ON SUBJECT PROPERTY

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TACO BELL
 PRESTON ROAD
 CELINA, TEXAS

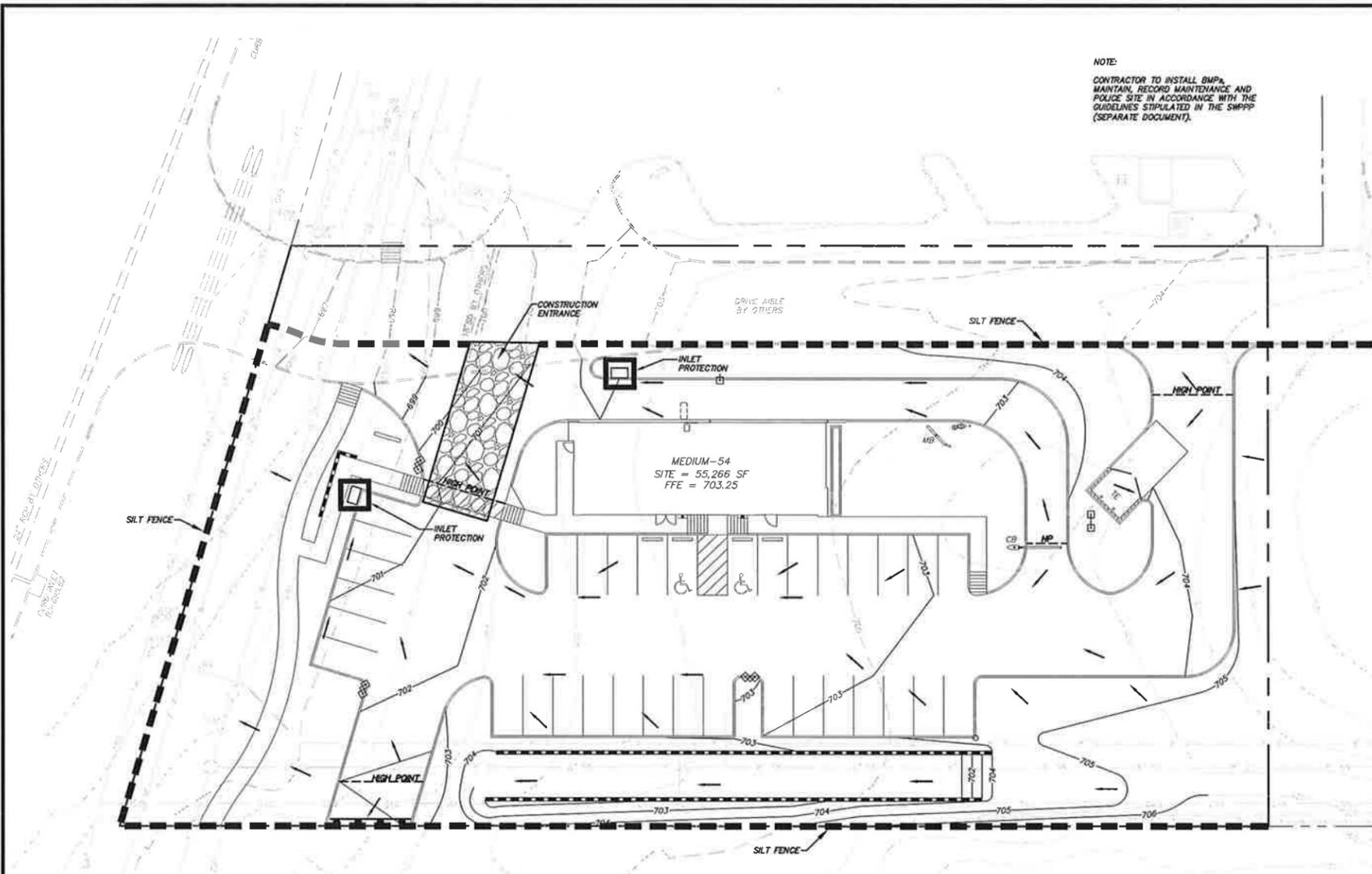


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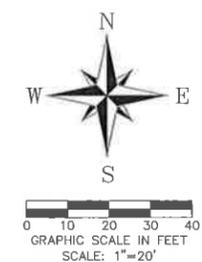
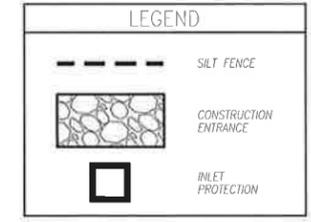
DRAINAGE AREA MAP

C6

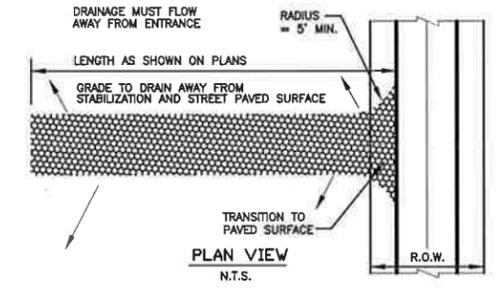
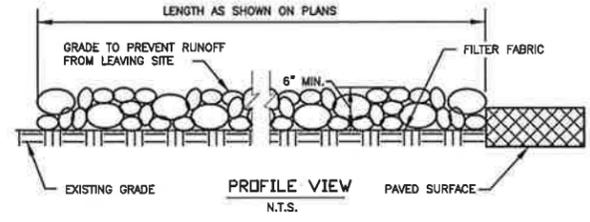
PLOT DATE: 6/13/2014



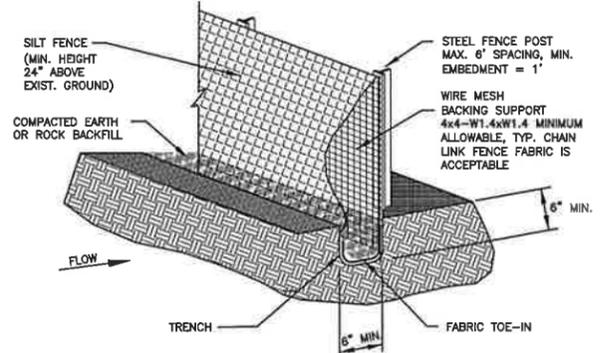
NOTE:
 CONTRACTOR TO INSTALL BMPs, MAINTAIN, RECORD MAINTENANCE AND POLICE SITE IN ACCORDANCE WITH THE GUIDELINES STIPULATED IN THE SWPPP (SEPARATE DOCUMENT).



- STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES**
1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE.
 2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
 3. THE THICKNESS SHALL NOT BE LESS THAN 6 INCHES.
 4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
 5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
 6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
 7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

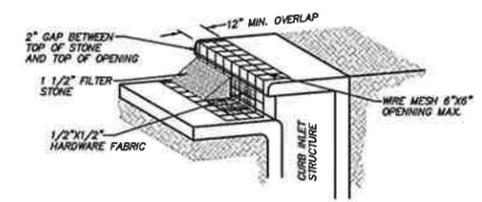


CONSTRUCTION ENTRANCE
 N.T.S.



SILT FENCE
 N.T.S.

- INLET PROTECTION GENERAL NOTES:**
1. MATERIAL SPECIFICATIONS:
 A. CONCRETE BLOCK-ASTM C 139, CONCRETE MASONRY UNIT FOR CONSTRUCTION.
 B. WIRE FABRIC-STANDARD GALVANIZED HARDWARE FABRIC WITH 1/2" BY 1/2" OPENINGS.
 C. FILTER STONE-NCTCOG SPECIFICATION 2.1.8.(E).
 D. WIRE MESH-HELDED WIRE FABRIC CONFORMING TO NCTCOG SPECIFICATION 2.2.7 MAXIMUM OPENING 6"x6".
 2. MAINTENANCE REQUIREMENTS: CURB INLET PROTECTION SHOULD BE INSPECTED WEEKLY AND AFTER MAJOR RAIN EVENTS TO ENSURE THAT THE DEVICE IS FUNCTIONING PROPERLY. REMOVE SEDIMENT FROM THE STORAGE AREA WHEN THE DEPTH OF SEDIMENT HAS BUILT UP TO ONE-HALF OF THE STORAGE DEPTH. IF DE-WATERING OF THE STORAGE VOLUME IS NOT OCCURRING, CLEAN OR REPLACE THE FILTER STONE. CLEAN THE FILTER STONE SURFACE THE FIRST FEW TIMES BY RAKING. REPEATED SEDIMENT BUILD-UP WILL REQUIRE FILTER STONE REPLACEMENT.
 3. DO NOT USE A SEDIMENT FILTER TO CONTROL EROSION AROUND "I" INLETS, UTILIZE SEDIMENT FENCES.
 4. EXTEND MESH, FABRIC AND FILTER STONE 12" BEYOND END OF INLET ON BOTH ENDS.



INLET PROTECTION
 N.T.S.

- SILT FENCE GENERAL NOTES:**
1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
 2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WIRE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
 3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
 4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
 5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
 7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

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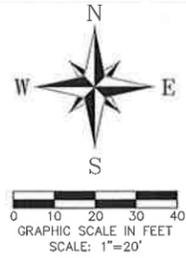
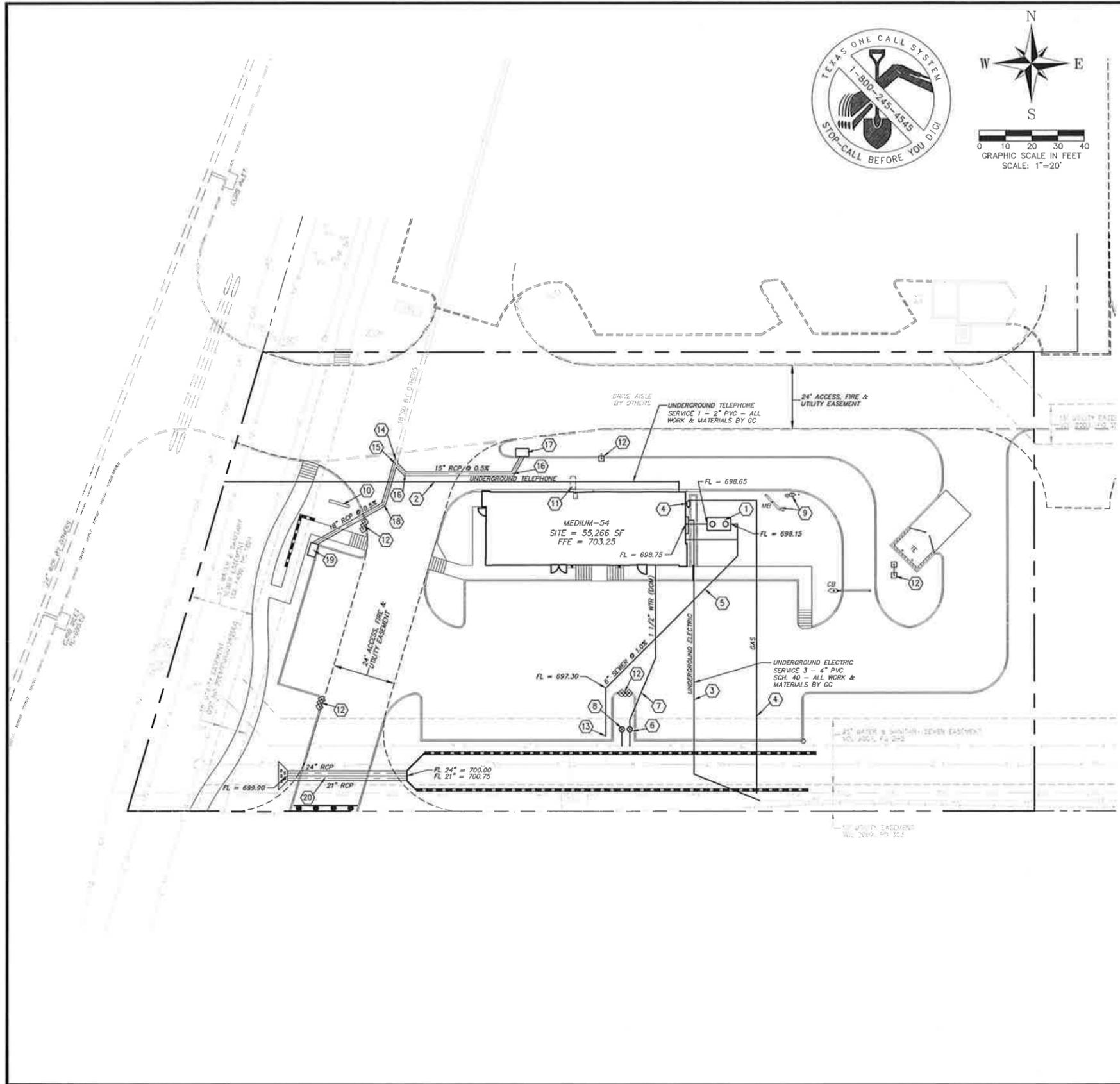


CONTRACT DATE: --
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 STORE NUMBER: --

TACO BELL
 PRESTON ROAD
 CELINA, TEXAS

TACO BELL

EROSION CONTROL PLAN
C7



UTILITY PLAN NOTES

1. ALL FILL, COMPACTION, AND BACKFILL MATERIALS REQUIRED FOR UTILITY INSTALLATIONS SHALL BE AS PER THE RECOMMENDATIONS PROVIDED IN THE GEOTECHNICAL REPORT AND SHALL BE COORDINATED WITH THE APPLICABLE UTILITY COMPANY SPECIFICATIONS. COMPACTION SHALL BE FORMED IN 8 INCH LOOSE LIFTS COMPACTED TO 95% STANDARD PROCTOR MAXIMUM DRY DENSITY.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE PROPER SHORING AND TRENCH PROTECTION IN ACCORDANCE WITH ALL STATE AND LOCAL SAFETY CODES AND ORDINANCES.
3. THE INTENT OF THIS PLAN IS A COMPLETED JOB. ANY MATERIALS OR WORK NOT SPECIFICALLY LISTED AS A PAY ITEM IS CONSIDERED TO BE INCIDENTAL AND IS TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS FOR PAYMENT. THE CONTRACTOR SHALL, UPON REVIEW OF THE PLANS, AND PRIOR TO SUBMITTING THE BID NOTIFY THE ENGINEER AND OWNER OF ANY SPECIFIC NON-PAY ITEM TO BE BID.
4. VERIFY SIZE OF WATER LINE AND SPECIFIC METERING REQUIREMENTS WITH BOTH CITY & COUNTY AND LOCAL UTILITY COMPANY. NOTE: A MIN. OF 42" COVER IS REQUIRED.
5. MINIMUM 6" SANITARY SEWER. VERIFY MATERIAL AND CONNECTION REQUIREMENTS WITH BOTH CITY & COUNTY AND OR LOCAL SEWER JURISDICTION PRIOR TO CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
7. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
8. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED FROM THE APPROPRIATE COVERING AUTHORITY.
9. 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 THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. OWNER /DEVELOPER AND ENGINEER SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.

LEGEND

	PROP. GAS LINE
	EX. GAS LINE
	PROP. UNDERGROUND TELEPHONE LINE
	EX. OVERHEAD TELEPHONE LINE
	PROP. OVERHEAD ELECTRIC LINE
	EX. OVERHEAD ELECTRIC LINE
	PROP. WATER LINE
	EX. WATER LINE
	PROP. SANITARY SEWER
	EX. SANITARY SEWER
	PROP. STORM DRAIN
	EX. STORM DRAIN
	EX. SANITARY SEWER MANHOLE
	SITE LIGHT FIXTURE
	EX. WATER METER
	EX. WATER VALVE
	EX. POWER POLE

KEYNOTES

- ① MIN. 1000 GA. GREASE INTERCEPTOR PER LOCAL CODE REQUIREMENTS, RE: 10-C9-1. REFER TO MEP PLAN FOR FL IN & FL OUT ELEV.
- ② G.C. TO VERIFY TELEPHONE SERVICE AND CONNECTION REQUIREMENTS WITH AT&T.
- ③ BURIED ELECTRICAL SERVICE FROM PAD MOUNTED TRANSFORMERS TO BUILDING AS PER LOCAL UTILITY CO. REQUIREMENTS.
- ④ NEW GAS SERVICE LINE & METER PER ATMOS.
- ⑤ INSTALL 6" SANITARY SEWER SERVICE. SERVICE SHALL BE CONSTRUCTED OF SDR-35 PVC.
- ⑥ INSTALL 1" WATER METER IN METER BOX. TAPS AND METERS BY G.C.
- ⑦ INSTALL 63 LF OF 1 1/2" WATER LINE. ALL WORK AND MATERIALS BY G.C.
- ⑧ INSTALL 1" WATER METER IN BOX FOR IRRIGATION. TAPS AND METERS BY G.C.
- ⑨ MENU BOARD AND SPEAKER POST W/UNDERGROUND ELEC. RE: SITE ELECTRICAL PLAN
- ⑩ MONUMENT SIGN W/UNDERGROUND ELEC. SERVICE RE: SITE ELECTRICAL PLAN.
- ⑪ SENSOR LOOP W/UNDERGROUND ELEC. SERVICE. RE: SITE ELECTRICAL PLAN
- ⑫ SITE LIGHT(S) W/UNDERGROUND ELEC. SERVICE. RE: SITE ELECTRICAL PLAN
- ⑬ INTERCEPT & CONNECT TO EX 6" STUB-OUT. PROPOSED FL 6" = 697.12 (FIELD VERIFY); FL AT END OF 31.5% STUB-OUT = 700.96. INSTALL CLEAN OUT AT CONNECTION.
- ⑭ CONNECT TO EX 18" SD. FL = 697.19
- ⑮ INSTALL 18"x15" 60' WYE. FL 18" = 697.20; FL 15" = 697.32
- ⑯ INSTALL 15" 45° HORIZONTAL BEND
- ⑰ INSTALL 5' CURB INLET. TOP = 702.00; FL = 697.75;
- ⑱ INSTALL 18" 45° HORIZONTAL BEND
- ⑲ INSTALL 5' CURB INLET. TOP = 700.30; FL = 697.45
- ⑳ INSTALL 45 LF (1) 24" RCP & (1) 21" RCP.

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 Fax: (817) 778-4845
 Engineering Firm Registration Number F-9007



CONTRACT DATE: --
 BUILDING TYPE: BRB54
 PLAN VERSION: OCT 12-A
 SITE NUMBER: --
 STORE NUMBER: --

TACO BELL
 PRESTON ROAD
 CELINA, TEXAS



TACO BELL

UTILITY PLAN
C8

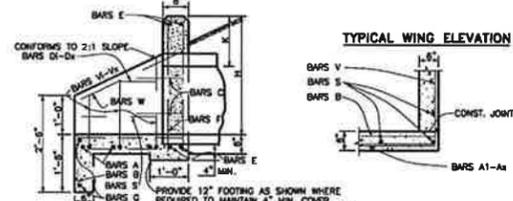
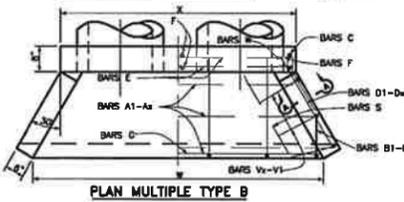
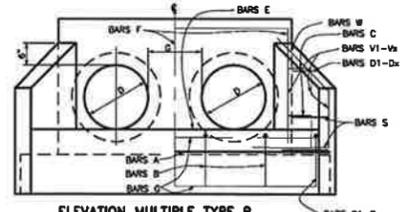
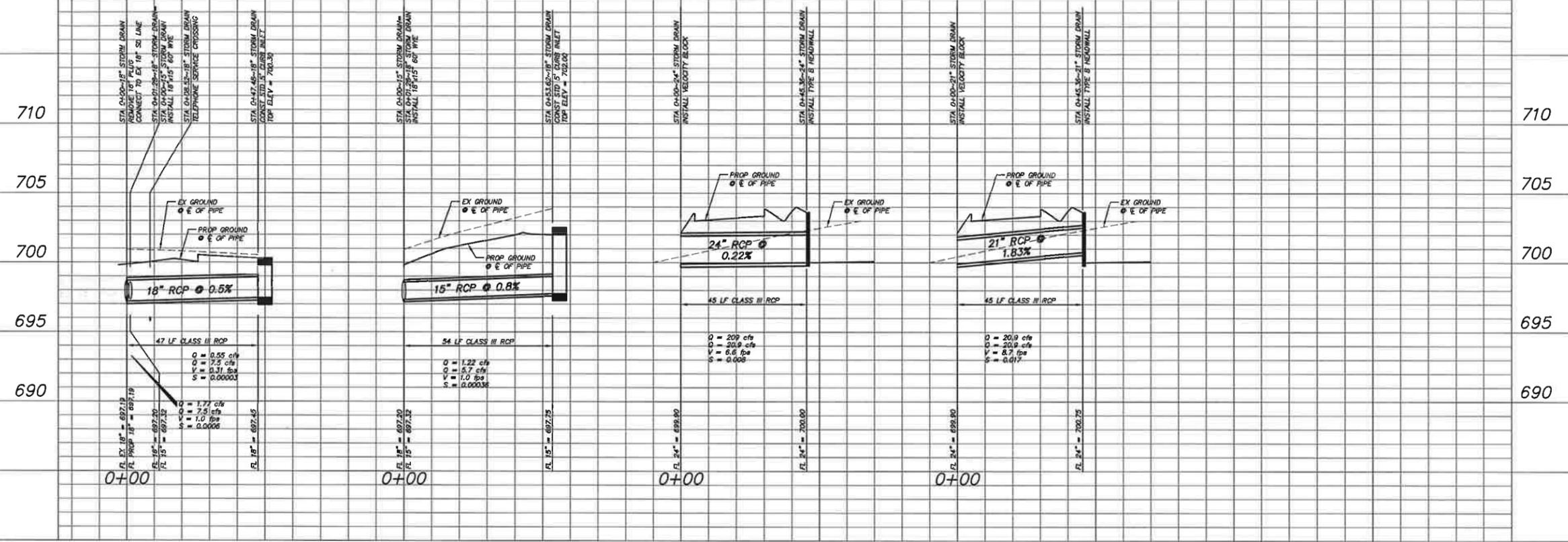
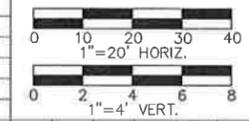
PLOT DATE: 6/13/2014

18" STORM DRAIN LINE

15" STORM DRAIN LINE

24" STORM DRAIN LINE

21" STORM DRAIN LINE

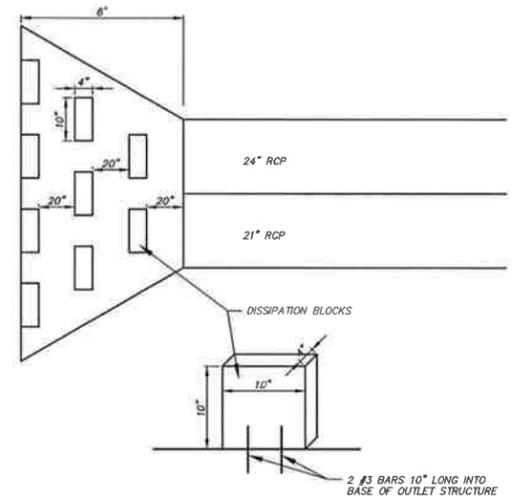


NOTES:
 1. DIMENSIONS ARE FOR TYPICAL INSTALLATION.
 2. SPECIFIC SITE CONDITIONS MAY REQUIRE MODIFICATION OF DIMENSIONS AND ARRANGEMENT, WITH ENGINEERING DEPT. APPROVAL.
 3. ALL CONCRETE SHALL BE CLASS "C".
 4. ALL HEADWALLS SHALL BE CLASS "C" CAST-IN-PLACE CONCRETE (UNLESS AUTHORIZED BY CITY OF GARLAND).

TABLE OF DIMENSIONS AND QUANTITIES FOR END SIDE B HEADWALLS

| NO. | DESCRIPTION | QTY | UNIT |
|-----|---------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|
| 1 | CONCRETE | 1.00 | CU YD |
| 2 | REINFORCEMENT | 1.00 | LB |
| 3 | FORMWORK | 1.00 | SQ YD |
| 4 | PIPE | 1.00 | LF |

TYPE 'B' HEADWALL



OUTFALL STRUCTURE

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 Engineering Firm Registration Number F-9007



CONTRACT DATE: --
 BUILDING TYPE: BRB54
 PLAN VERSION: OCT 12-A
 SITE NUMBER: --
 STORE NUMBER: --

TACO BELL
 PRESTON ROAD
 CELINA, TEXAS

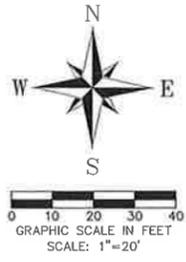
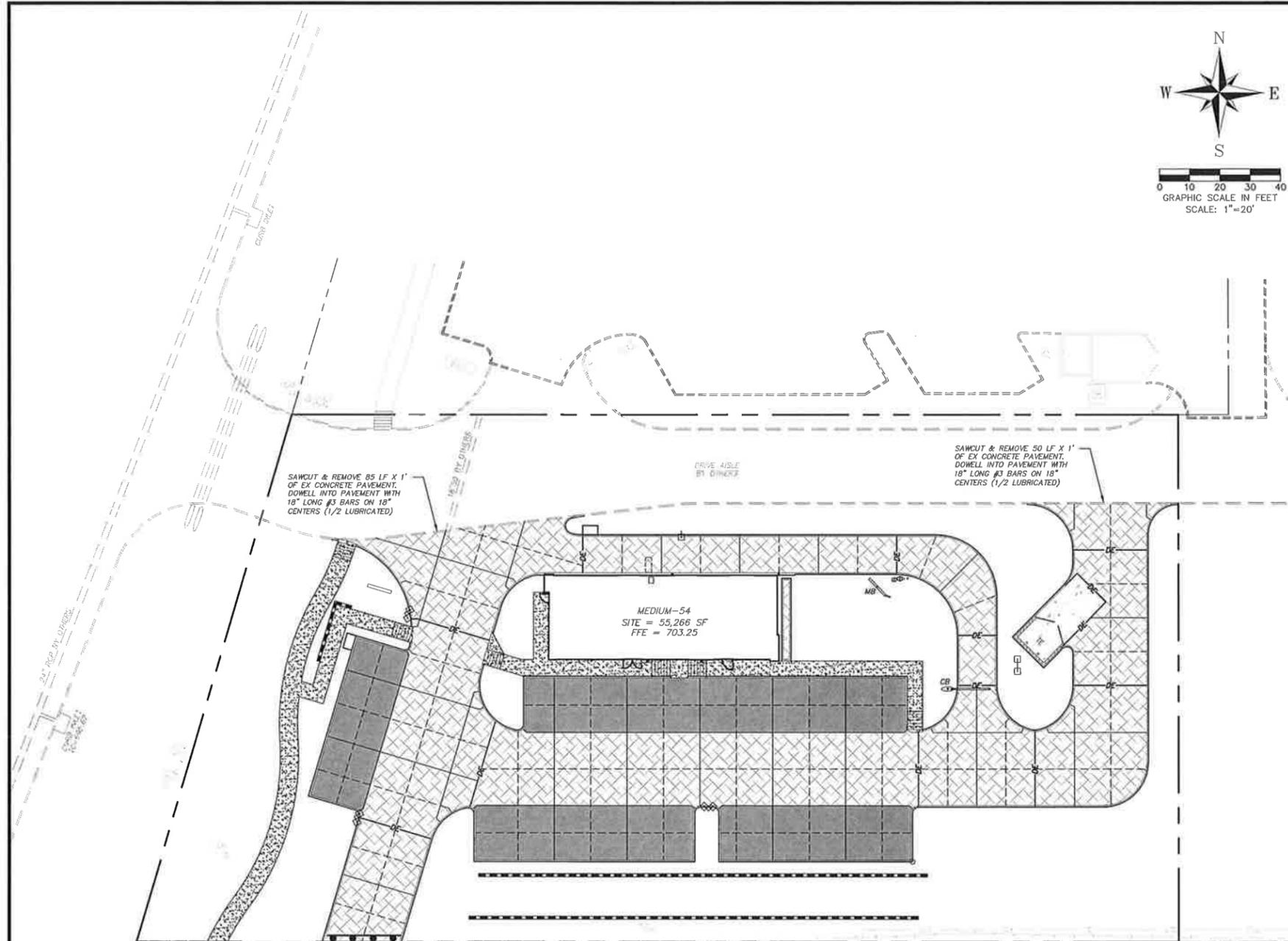


TACO BELL

**STORM DRAIN
 PROFILES
 C8.1**

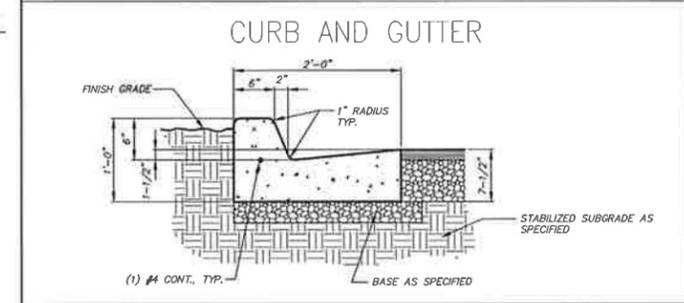
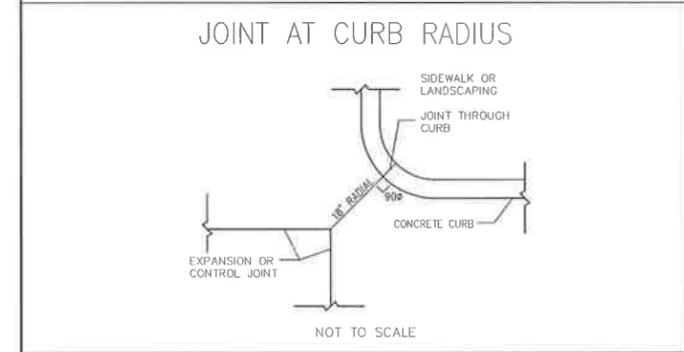
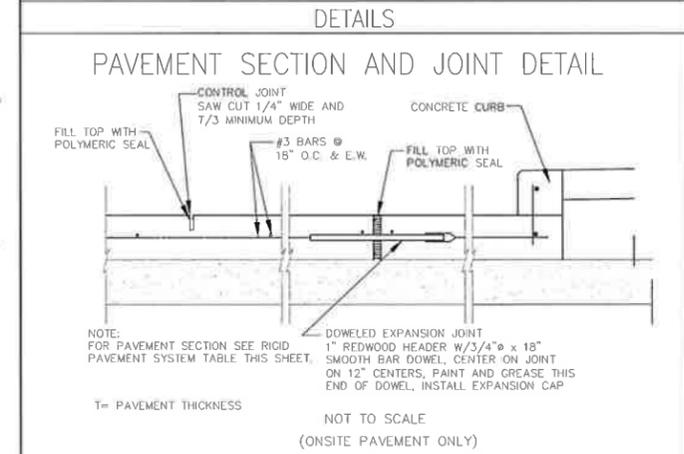
PLOT DATE: 6/13/2014

P-201404-01



LEGEND

	DOWELED EXPANSION
	SAWCED DUMMY JOINT OR CONTROL JOINT WITH TIE BARS
	LONGITUDINAL DUMMY JOINT OR CONTROL JOINT WITH TIE BARS
	4" CONCRETE (SIDEWALK) 3,600 PSI @ 28 DAYS W/ #3 BARS ON 18" O.C.E.W.
	5" PORTLAND CONCRETE 3,600 PSI @ 28 DAYS W/ #3 BARS ON 18" O.C.E.W. ON 12" COMPACTED SUBGRADE (95% STANDARD PROCTOR) PER GEOTECHNICAL REPORT
	6" PORTLAND CONCRETE 3,600 PSI @ 28 DAYS W/ #3 BARS ON 18" O.C.E.W. ON 12" COMPACTED SUBGRADE (95% STANDARD PROCTOR) PER GEOTECHNICAL REPORT
	7" PORTLAND CONCRETE 3,600 PSI @ 28 DAYS W/ #4 BARS ON 18" O.C.E.W. ON 12" COMPACTED SUBGRADE (95% STANDARD PROCTOR) PER GEOTECHNICAL REPORT



KEY NOTES

CONSTRUCT PORTLAND CEMENT CONCRETE PAVEMENT PER PAVING PLAN & GEOTECHNICAL SPECIFICATIONS (EWI REPORT #LE133035)

CONSTRUCT CONCRETE CURB & GUTTER PER DETAIL 9-C10.1

CONSTRUCT P.C.C. CURBED EDGE SIDEWALK PER DETAIL 2-C10.1

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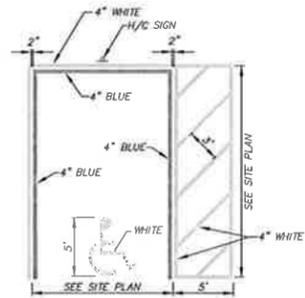
CONTRACT DATE:	--
BUILDING TYPE:	BRB54
PLAN VERSION:	OCT 12-A
SITE NUMBER:	--
STORE NUMBER:	--

TACO BELL
PRESTON ROAD
CELINA, TEXAS



TACO BELL
PAVING AND JOINTING PLAN

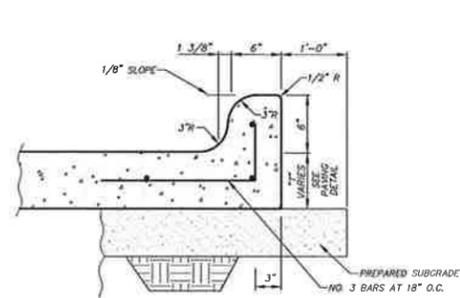
C9
PLOT DATE: 6/13/2014



HANDICAP PAVEMENT SYMBOL

N.T.S.

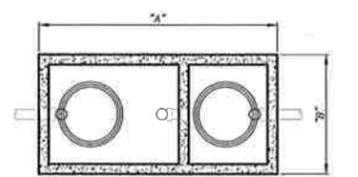
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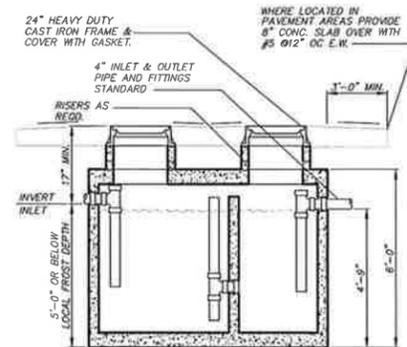
CONCRETE CURB

N.T.S.

9



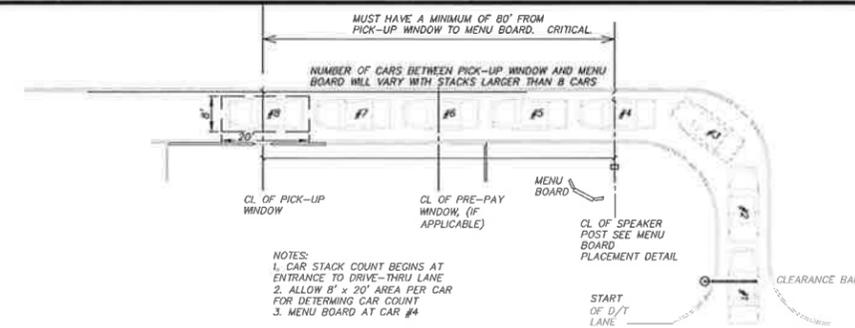
TOP VIEW



SECTION

G.T. SIZE	DIM. "A"	DIM. "B"
500 GALLON	6'-2"	4'-2"
750 GALLON	8'-1"	4'-0"
1000 GALLON	8'-2"	5'-1"
1200 GALLON	8'-6"	5'-9"

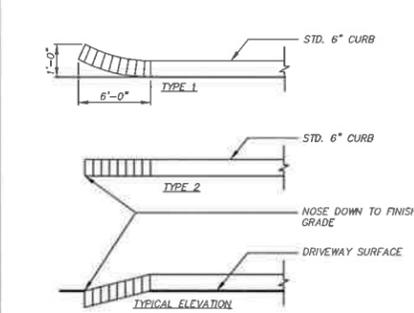
NOTE: UTILIZE 1,000 GALLON INTERCEPTOR UNLESS LOCAL CODES SPECIFY ALTERNATIVE CAPACITY.



MENU BOARD PLACEMENT

N.T.S.

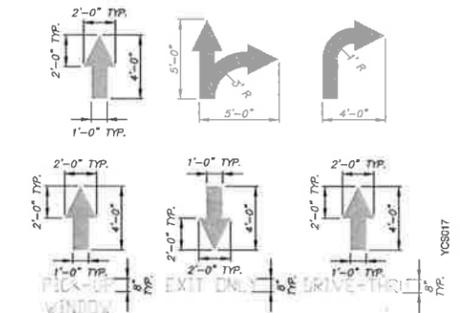
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STANDARD CURB NOSING

N.T.S.

13



PAINTED TRAFFIC ARROWS

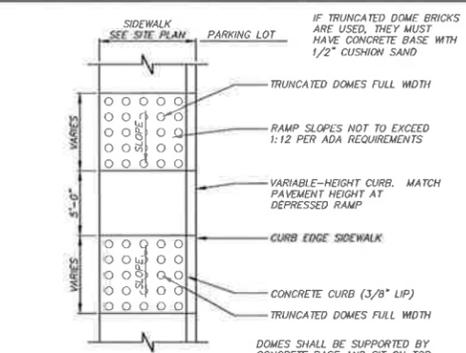
N.T.S.

10

EXTERIOR GREASE INTERCEPTOR

N.T.S.

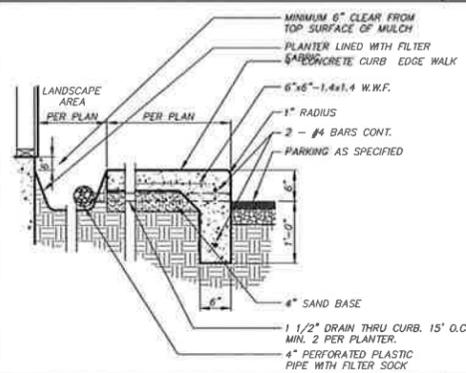
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HANDICAP ACCESS RAMP

N.T.S.

5



PLANTER & CURBED S/W

N.T.S.

2



NOT USED

N.T.S.

14

TYPE III BARRICADE

N.T.S.

11

** NORMAL LUMBER DIMENSIONS ARE SATISFACTORY FOR BARRICADE RAIL DIMENSIONS.
 *** RAIL STRIPE WIDTHS SHALL BE (6") ON RAILS ABOVE (36") IN LENGTH. LENGTHS OF (36") OR LESS MAY BE (4") WIDE STRIPES.
 THE SIDES OF THE BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
 THE COLOR OF THE STRIPES SHALL BE RETROREFLECTIVE WHITE AND RETROREFLECTIVE RED.
 MOUNTED WITH 2 GALVANIZED STEEL POSTS IN SLEEVE WITH WEDGE.



NOT USED

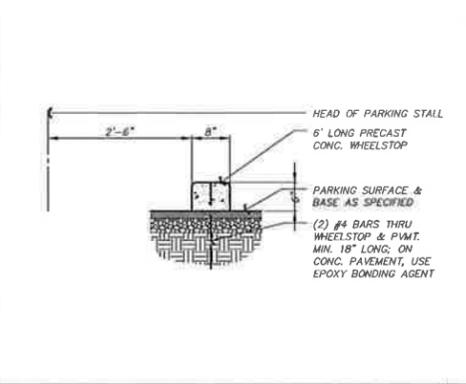
N.T.S.

6

HANDICAP PAVEMENT SYMBOL

N.T.S.

7



CONCRETE WHEELSTOP

N.T.S.

3

GUARD POST BOLLARD

N.T.S.

4

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CONTRACT DATE: --
 BUILDING TYPE: BRB54
 PLAN VERSION: OCT 12-A
 SITE NUMBER: --
 STORE NUMBER: --

TACO BELL
 PRESTON ROAD
 CELINA, TEXAS



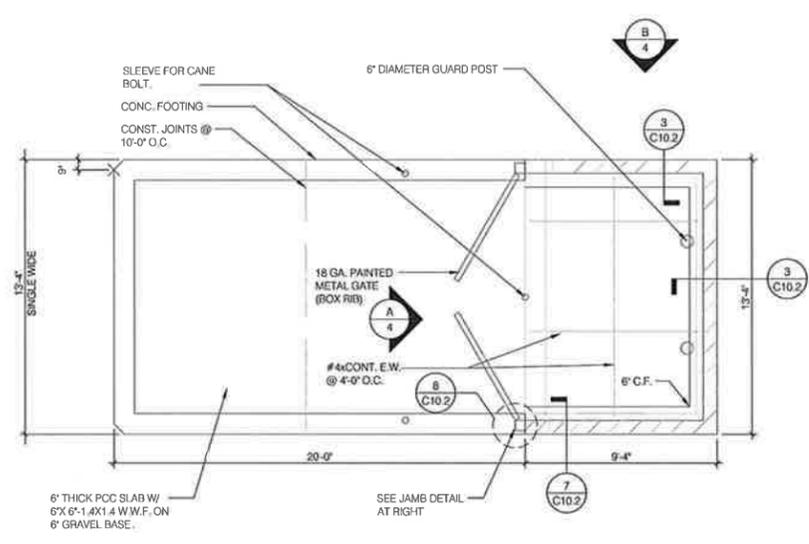
TACO BELL

CIVIL SITE
 DETAILS

C10.1

PLOT DATE: 6/13/2014

P-201404-01



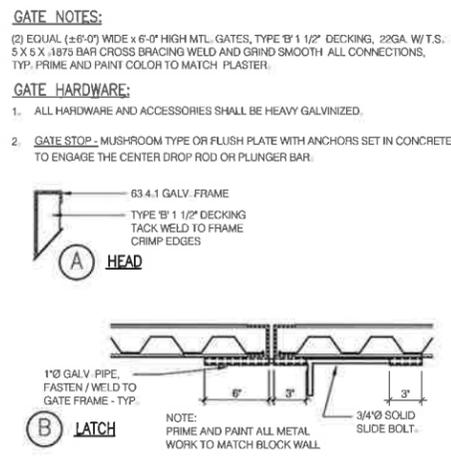
SMALL DUMPSTER ENCLOSURE N.T.S. 9

NOTES:
 1. LOCATION SHALL BE APPROVED BY THE PUBLIC WORKS DEPARTMENT.
 2. AREAS SHALL BE ACCESSIBLE FOR DELIVERY AND COLLECTION.
 3. GATES SHALL BE CORRUGATED METAL DOORS AND MUST BE APPROVED BY PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.
 4. GATE LATCHES SHALL BE OF THE PLUNGER BAR TYPE OR EQUIVALENT AS APPROVED BY THE PUBLIC WORKS DEPARTMENT.
 5. SEE ATTACHED SPECIFICATIONS, NOTES AND PROCEDURES

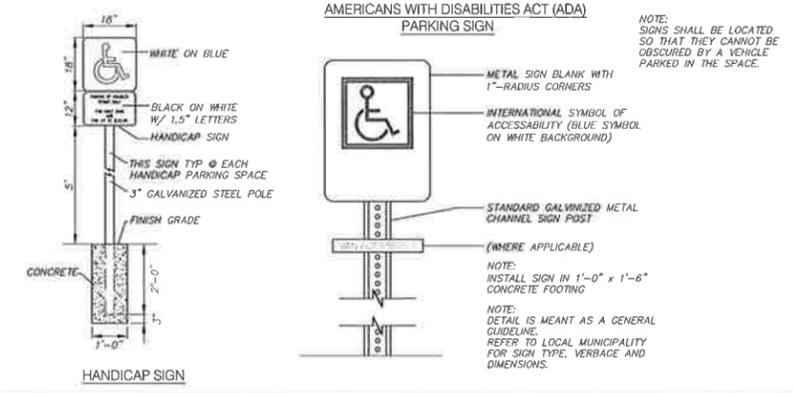
TRASH ENCLOSURE DETAIL MATERIAL SPECIFICATIONS:
 1. CONCRETE BLOCK: 6" MINIMUM IN SIZE, ASTM C90.
 2. REINFORCING STEEL: ASTM 615, GRADE 40.
 3. ACCEPTABLE SOIL TYPES:
 A. MIN. ALLOWABLE BEARING: 1000 LBS/SQ. FT.
 B. MIN. LATERAL BEARING: 100 LBS/SQ. FT.
 C. MAX EXPANSION INDEX: 20
 4. CONCRETE: 2000 LBS/SQ. IN. IN 28 DAYS.
 5. MORTAR: 1:1/2:3 (PORTLAND CEMENT: HYDRATED LIME OR LIME PUTTY: SAND, BY VOLUME) MIXED TO PLASTIC CONSISTENCY. REFER TO UBC TABLE 24-A FOR OTHER TYPES OF CEMENT.
 6. GROUT: 1:1/2:3 (PORTLAND CEMENT: HYDRATED LIME OR LIME PUTTY: SAND BY VOLUME) MIX TO FLOW WITHOUT SEGREGATION. GROUT MAY CONTAIN 2 PARTS PEA GRAVEL (3/8" MAX. SIZE).
 MINIMUM COMPRESSIVE STRENGTH: 2000 LBS/SQ. IN. REFER TO UBC TABLE 24-B FOR OTHER TYPES OF CEMENT.

GENERAL NOTES:
 1. THIS DESIGN IS FOR AVERAGE CONDITIONS AND MAY NOT BE SUITABLE FOR ALL CASES. IT IS RECOMMENDED THAT A LICENSED CIVIL OR STRUCTURAL ENGINEER BE CONSULTED.
 2. FOOTINGS SHALL BE IN NATURAL SOIL OR CERTIFIED FILL.
 3. BLOCKS TO BE STAGGERED (RUNNING BOND).
 4. ALL CELLS CONTAINING REINFORCING STEEL SHALL BE GROUTED.
 5. APPROVED GROUT STOPS ARE REQUIRED BELOW HORIZONTAL STEEL IN PARTIALLY GROUTED WALLS. BAGS, NEWSPAPERS, ETC. ARE NOT APPROVED GROUT STOPS.
 6. INITIAL BED JOINT SHALL BE 1/4" MIN. 1" MAX. SUBSEQUENT BED JOINTS SHALL BE 1/2" MIN. 3/4" MAX.
 7. VERTICAL CONTINUITY OF CELLS SHALL BE UNOBSTRUCTED. MORTAR PROJECTIONS SHALL NOT EXCEED 1/2" FOR 6" AND LARGER BLOCK. MORTAR DROPPINGS OR OTHER FOREIGN MATTER ARE NOT PERMITTED IN CELLS AND MUST BE REMOVED.
 8. EXPANSION JOINTS REQUIRED AT 60'-0" MAX. INTERVALS.
 9. REQUIRED BAR LAPS:
 A. VERTICAL STEEL: 30 BAR DIAMETERS.
 B. HORIZONTAL STEEL: 40 BAR DIAMETERS.
 C. WIRE JOINT REINFORCEMENT IN THE MORTARED BED JOINT: 75 WIRE DIAMETERS OR IN ALTERNATE BED JOINTS OF RUNNING BOND: 64 DIAMETERS PLUS TWICE THE BED JOINT SPACING.
 10. WHERE HORIZONTAL WIRE JOINT REINFORCEMENT IS REQUIRED OR UTILIZED, IT SHALL BE EQUIVALENT TO TWO 3/16" DIAMETER BARS CONNECTED AT 16" INTERVALS BY NO. 9 GAUGE WELDED WIRE.
 11. FOR PIPES AND CONDUIT EMBEDDED IN MASONRY, REFER TO SEC. 24-07(g) IBC.
 12. 3" MIN. COVER REQUIRED FOR REINFORCEMENT IN CONCRETE WHICH IS CAST AGAINST EARTH.

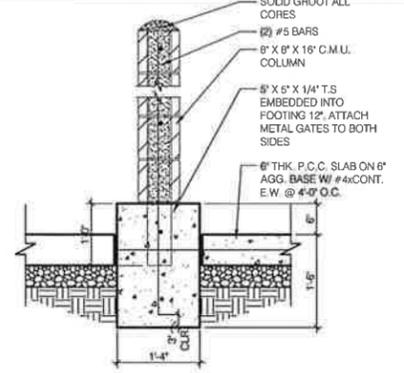
INSPECTION PROCEDURES:
 1. FOUNDATION: AFTER TRENCHES ARE DUG, STEEL IS TIED IN PLACE AND BEFORE ANY CONCRETE IS POURED.
 2. PREGROUT: AFTER ALL BLOCKS (EXCEPT CAP) ARE IN PLACE, VERTICAL AND HORIZONTAL STEEL IS IN PLACE, GROUT STOPS (FOR PARTIALLY GROUTED MASONRY) ARE IN PLACE, AND PRIOR TO GROUTING.
 3. FLNAL: AFTER GROUT IS IN PLACE AND PRIOR TO PLACEMENT OF CAP.



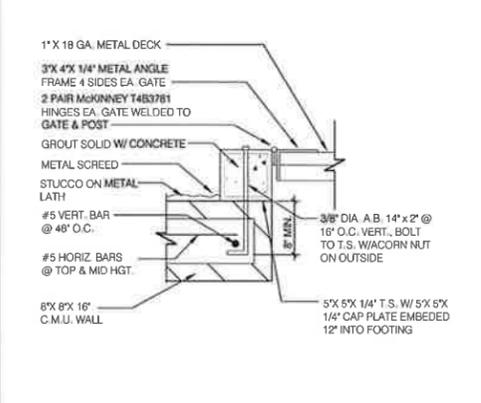
GATE DETAILS N.T.S. 10



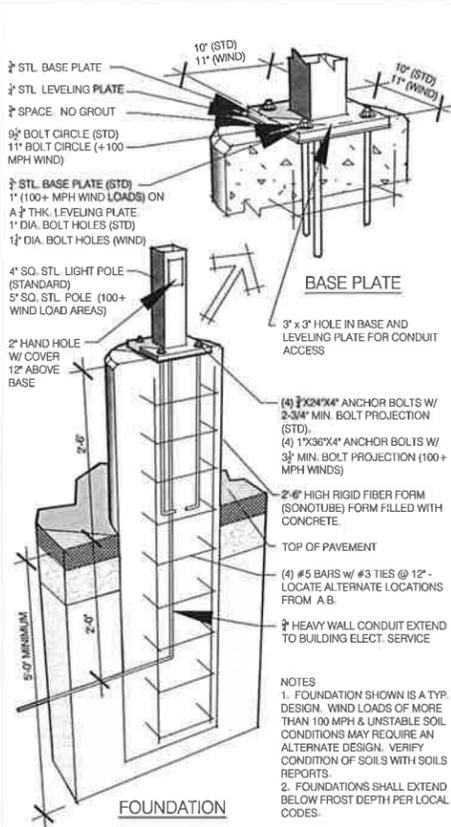
ACCESSIBLE PARKING SIGN N.T.S. 5



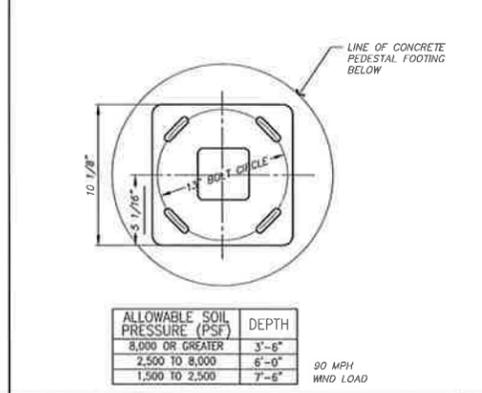
DUMPSTER WALL SECTION N.T.S. 7



JAMB DETAIL 1 1/2" ± 1'-0" 8

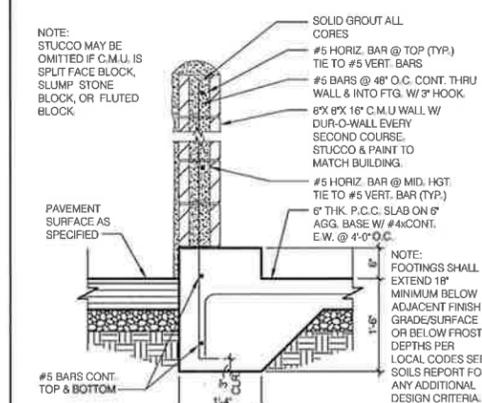


LIGHT POLE FOUNDATION N.T.S. 6

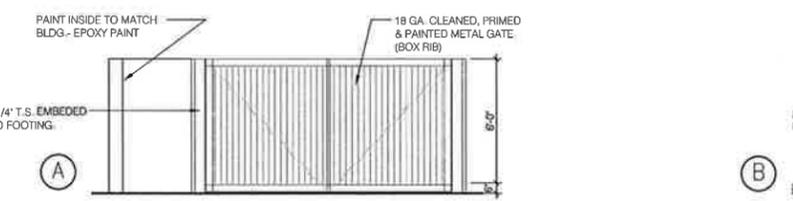


LIGHT BASEPLATE N.T.S. 1

NOT USED N.T.S. 2



DUMPSTER WALL SECTION N.T.S. 3



DUMPSTER ELEVATIONS N.T.S. 4

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CONTRACT DATE: --
 BUILDING TYPE: BRB54
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TACO BELL
 PRESTON ROAD
 CELINA, TEXAS



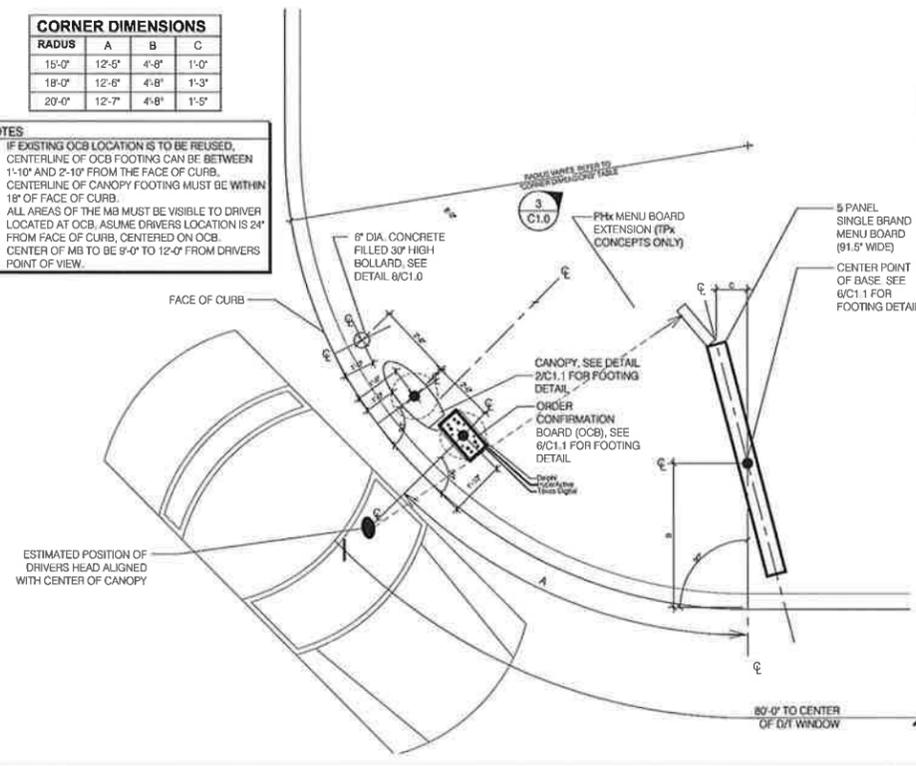
TACO BELL
CIVIL SITE
DETAILS
C10.2

PLOT DATE: 6/13/2014

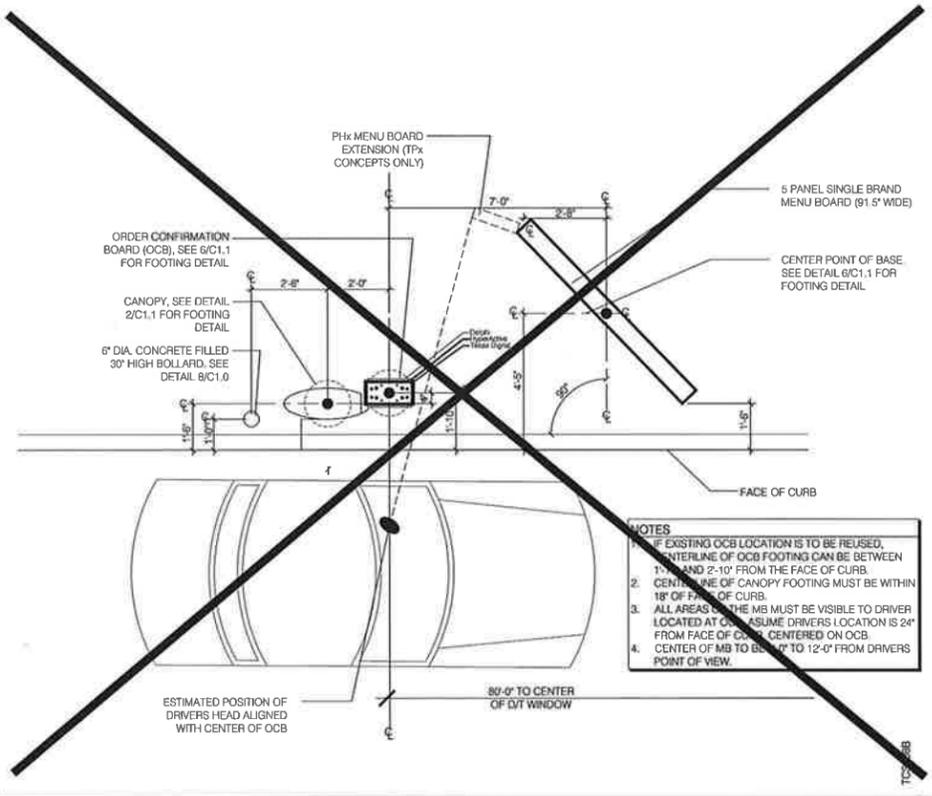
P-201404-01

CORNER DIMENSIONS			
RADIUS	A	B	C
15'-0"	12'-5"	4'-8"	1'-0"
18'-0"	12'-6"	4'-8"	1'-3"
20'-0"	12'-7"	4'-8"	1'-5"

- NOTES**
- IF EXISTING OCB LOCATION IS TO BE REUSED, CENTERLINE OF OCB FOOTING CAN BE BETWEEN 1'-10" AND 2'-10" FROM THE FACE OF CURB.
 - CENTERLINE OF CANOPY FOOTING MUST BE WITHIN 18" OF FACE OF CURB.
 - ALL AREAS OF THE MB MUST BE VISIBLE TO DRIVER LOCATED AT OCB. ASSUME DRIVERS LOCATION IS 24" FROM FACE OF CURB, CENTERED ON OCB.
 - CENTER OF MB TO BE 9'-0" TO 12'-0" FROM DRIVERS POINT OF VIEW.



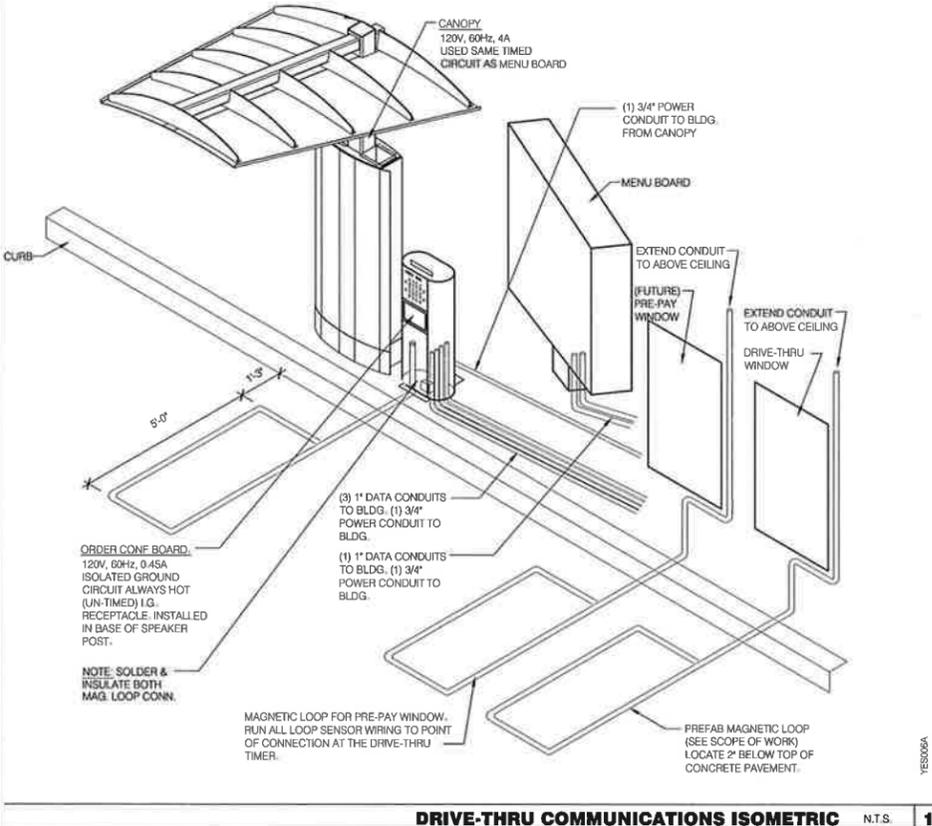
ENLARGED MENU BOARD DETAIL @ CURVED CURB 3/8" = 1'-0" 10



ENLARGED MENU BOARD DETAIL @ STRAIGHT CURB 3/8" = 1'-0" 2

NOT USED N.T.S. 17

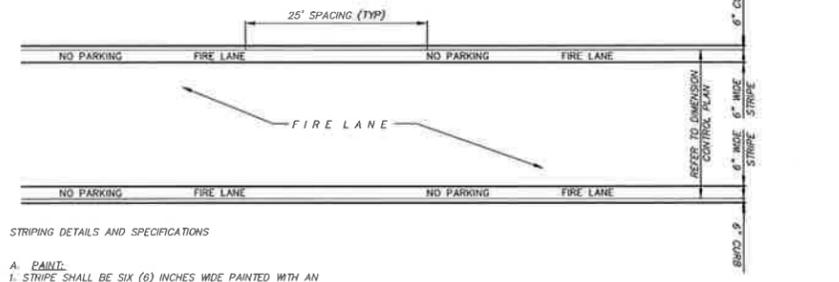
NOT USED N.T.S. 18



DRIVE-THRU COMMUNICATIONS ISOMETRIC N.T.S. 16

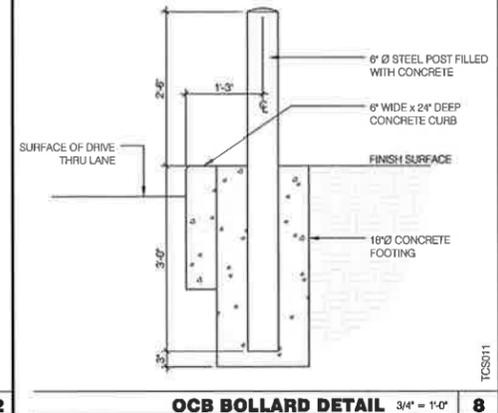
NOT USED N.T.S. 11

NOT USED N.T.S. 12



- STRIPING DETAILS AND SPECIFICATIONS**
- A. PAINT:**
- STRIPES SHALL BE SIX (6) INCHES WIDE PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
 - LETTERS SHALL BE FOUR (4) INCHES HIGH PAINTED WITH AN EXTERIOR ACRYLIC LATEX PAINT.
- A. COLOR SHALL BE "TRAFFIC RED" GLIDDEN NO. 63251 OR EQUAL.**
B. COLOR SHALL BE "TRAFFIC WHITE" GLIDDEN NO. 593245 OR EQUAL.
- B. APPLICATION:**
- STRIPES MAY BE BRUSHED OR SPRAYED, ONE COAT TO FINISH.
 - LETTERS SHALL BE STENCIL FORMED, BRUSH APPLIED AND SPACED AS DETAILED ON THIS SHEET.

FIRE LANE STRIPING N.T.S. 3



OCB BOLLARD DETAIL 3/4" = 1'-0" 8

NOT USED N.T.S. 4

Consulting Engineers, Inc.
Civil Engineers - Designers - Planners

2840 W. Southlake Blvd., Suite 110
Southlake, Tx 76092
Phone: (817) 552-6210
Fax: (817) 778-4845
Engineering Firm Registration Number F-9007



CONTRACT DATE: ---
BUILDING TYPE: BRB54
PLAN VERSION: OCT 12-A
SITE NUMBER: ---
STORE NUMBER: ---

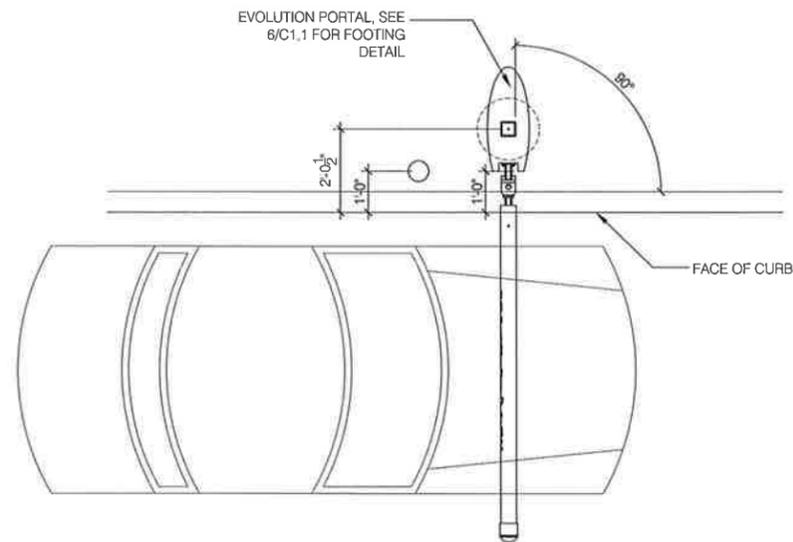
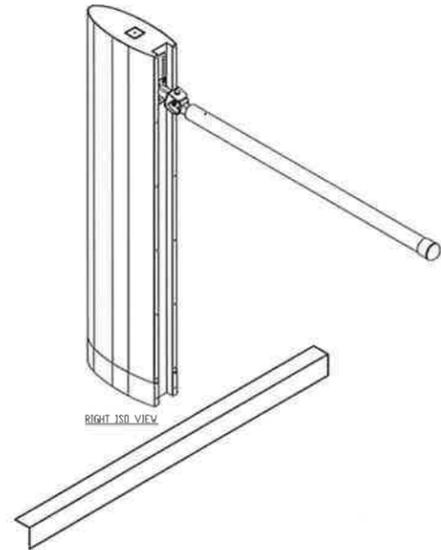
TACO BELL
PRESTON ROAD
CELINA, TEXAS

TACO BELL

SITE DETAILS

C10.3

PLOT DATE: 6/13/2014
P-201404-01

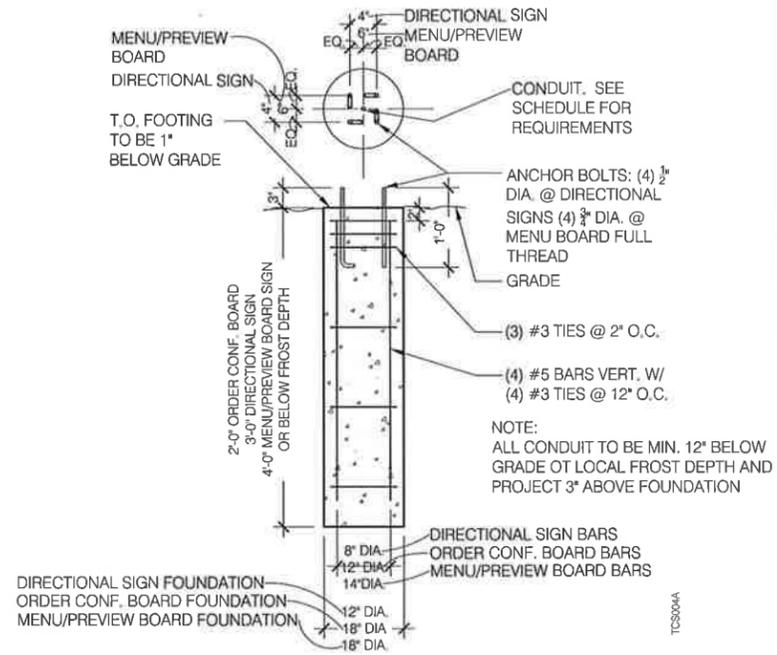


PORTAL PLACEMENT DETAIL 1/2" = 1'-0" **3**

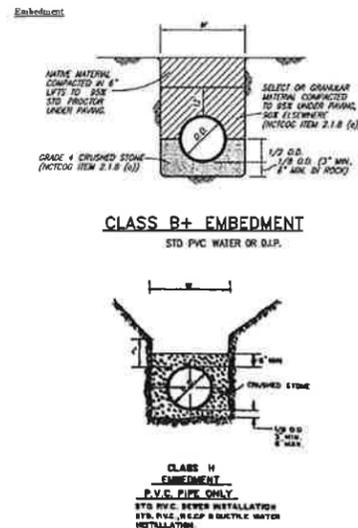
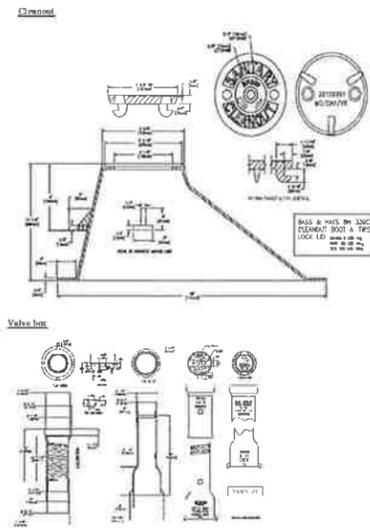
DETAIL FOR REFERENCE ONLY. SIGN VENDOR RESPONSIBLE FOR FOOTINGS OF MENU BOARD, ORDER CONFIRMATION BOARD, CANOPY AND CLEARANCE BAR.

NOTE: BOLT PATTERN PROVIDED AS EXAMPLE - OBTAIN ANCHOR BOLT TEMPLATE FROM SUPPLIER

DEVICE	POWER	DATA
DIRECTIONAL	(1) 3/4"	-
DCB	(1) 3/4"	(3) 1"
MENU BOARD	(1) 3/4"	-



MENU BOARD FOOTING 1:16 SCALE **1**



DFW 37C-SKSBSM

NOTE:

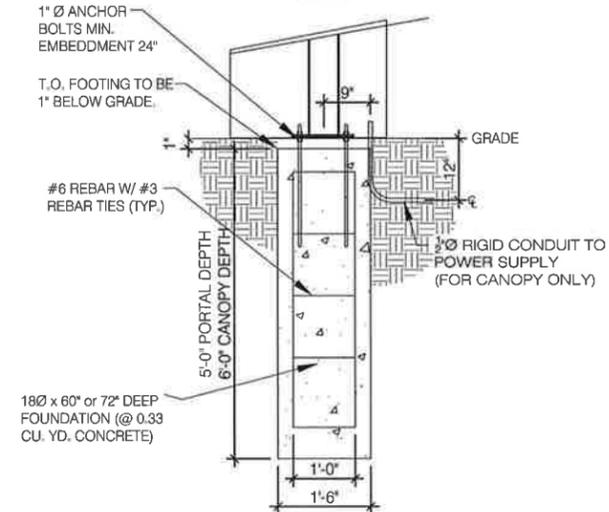
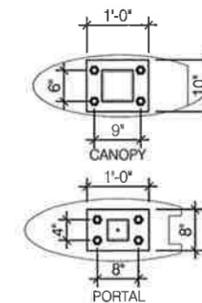
- 1) DIM'S ± 1/8" UNAD.
- 2) SNAP LOCK POCKET WILL RECEIVE 1/2" TYP. SNAP LOCK SLOT IS 180° ± 0.015" TO ALLOW FOR A FINGER FORCE INSTALL. POCKET HEIGHT IS 15/16" FROM MIN. 1/8" AN GAP.
- 3) IF TOUCH PAD IS REQ'D, USE A 1/4" DIA. AND 1/16" THICK PAD 0.500 TO 0.510 ± 0.005

DFW PLASTICS, INC.
1201 SHAW BLVD.
FORT WORTH, TX 76179
(817) 438-3600
(817) 438-3700 (F)

CITY OF CELINA
DFW 37C-SKSBSM
SINGLE 3/4" OR 1" PLASTIC WATER METER BOX

FILE NAME: CITY OF CELINA, TEXAS
PROJECT: C10.4
DATE: 6/13/2014

DETAIL FOR REFERENCE ONLY. SIGN VENDOR RESPONSIBLE FOR FOOTINGS OF MENU BOARD, ORDER CONFIRMATION BOARD, CANOPY AND CLEARANCE BAR.



EVOLUTION FOOTINGS 1:16 SCALE **2**

TECHNO Consulting Engineers, Inc.
Civil Engineers - Designers - Planners
2840 W. Southlake Blvd., Suite 110
Southlake, Tx 76092
Phone: (817) 552-6210
Fax: (817) 778-4845
Engineering Firm Registration Number F-9007



CONTRACT DATE:	-
BUILDING TYPE:	BRB64
PLAN VERSION:	OCT 12-A
SITE NUMBER:	-
STORE NUMBER:	-

TACO BELL
PRESTON ROAD
CELINA, TEXAS

TACO BELL
SITE
DETAILS

C10.4

PLOT DATE: 6/13/2014

P-201404-01

SITE DATA	REQUIRED	PROVIDED
10% OF PARKING AREA TO BE LANDSCAPED PARKING AREA 37,429 S.F.	3,743 S.F.	4,071 S.F.
1 TREE PER 50' L.F. OF PERIMETER NORTH SIDE 292.87 L.F. EAST SIDE 173.43 L.F. SOUTH SIDE 344.38 L.F.	6 4 7	6 4 7
EVERY PARKING SPACE IS WITHIN 50' OF A TREE		
EVERY PARKING ISLAND HAS A TREE		
PRESTON FRONTAGE REQUIREMENTS 1 LARGE TREE PER 40 L.F. OF FRONT YARD FRONTAGE 180.95	5	5
1 SMALL TREE PER 5,000 S.F. OF FRONT YARD. FRONT YARD 7,175 S.F.	2	2
16 SHRUBS PER 50 L.F. OF FRONTAGE FRONTAGE 180.95	64	64

TREES

SYM.	COMMON / BOTANICAL NAME	QTY.	SIZE	SPACING	CONDITION / REMARKS
⊙	LIVE OAK QUERCUS VIRGINIANA	8	3" CAL.		CONTAINER GROWN DR B&B, FULL, MATCHING 10' HEIGHT SINGLE TRUNKED, FULL, 4' SPREAD
⊗	BUR OAK QUERCUS MACRO CARPA	10	3" CAL.		CONTAINER GROWN DR B&B, FULL, MATCHING 10' HEIGHT SINGLE TRUNKED, FULL, 4' SPREAD
⊗	CRAPE MYRTLE LAGERSTROMIA INDICA	2	6'-8' HT		CONTAINER GROWN DR B&B, FULL, MATCHING, MULTI TRUNKED 6'-8' HT.
⊙	CEDAR ELM ULMAS CRASSIFOLIA	7	3" CAL.		CONTAINER GROWN DR B&B, FULL, MATCHING 10' HEIGHT SINGLE TRUNKED, FULL, 4' SPREAD

SPECIAL NOTE:
ALL LANDSCAPING IS TO BE IRRIGATED IN ACCORDANCE WITH THE CITY STANDARDS.

SPECIAL NOTE:
ALL IRRIGATION SYSTEMS ARE TO BE FITTED WITH RAIN AND FREEZE GAUGES.

SHRUBS

SYM.	COMMON / BOTANICAL NAME	QTY.	SIZE	SPACING	CONDITION / REMARKS
	BED PREP/ COMPOST	2800	S.F.		TILL 3' DEPTH
	GRAVEL MULCH	2800	S.F.		RED GRANITE 3" AGGREGATE
⊗	DWARF HARBOUR NANDINA NANDINA DOMESTICA	6	#3	30" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 30" X 20"
⊗	TRAILING JUNIPER JUNIPERUS HORIZONTALIS	8	#3	12" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 20" X 20"
⊙	MOSS ROCK BOULDER	4	1-2TON		1/2 OF BOULDERS TO BE 2 TON 1/2 OF BOULDERS TO BE 1 TON
~	STEEL EDGE	380	L.F.		GREEN IN COLOR
⊗	DWARF YAUPON HOLLY ILEX VOMITORIA "NANA"	25	#3	30" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 30" X 20"
⊗	GLOSSY ABELIA ABELIA GRANDIFLORA "PROSTRATA"	27	#3	30" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 30" X 20"
⊗	RED BARBERRY BERBERIS THUNBERGII "DWARF PYGMY"	53	#3	30" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 30" X 20"
⊙	BERMUDA SOLID SOD CYNODON DACTYLON	18,900	S.F.		
⊗	NELLIE R STEVENS HOLLY ILEX X NELLIE R STEVENS	10	4' HT.	36" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING
⊗	DWARF BURFORD HOLLY ILEX CORNUTA 'BURFORDII NANA'	40	#3	36" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING
⊗	YELLOW LANTANA LANTANA SPP.	115	#1	18" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING 3 RUNNERS PER POT 9" LONG MIN.
⊗	BIG BLUE LIRIOPE LIRIOPE MUSCARI	150	#1	12" O.C.	PLANT TO BE WELL ROOTED, FULL, MATCHING



Ironwood Design Group
of Texas
316 E. N.W. HIGHWAY
GRAPEVINE, TEXAS 76051
Office: (817) 400-0272
Fax: (817) 329-7647



12-17-13

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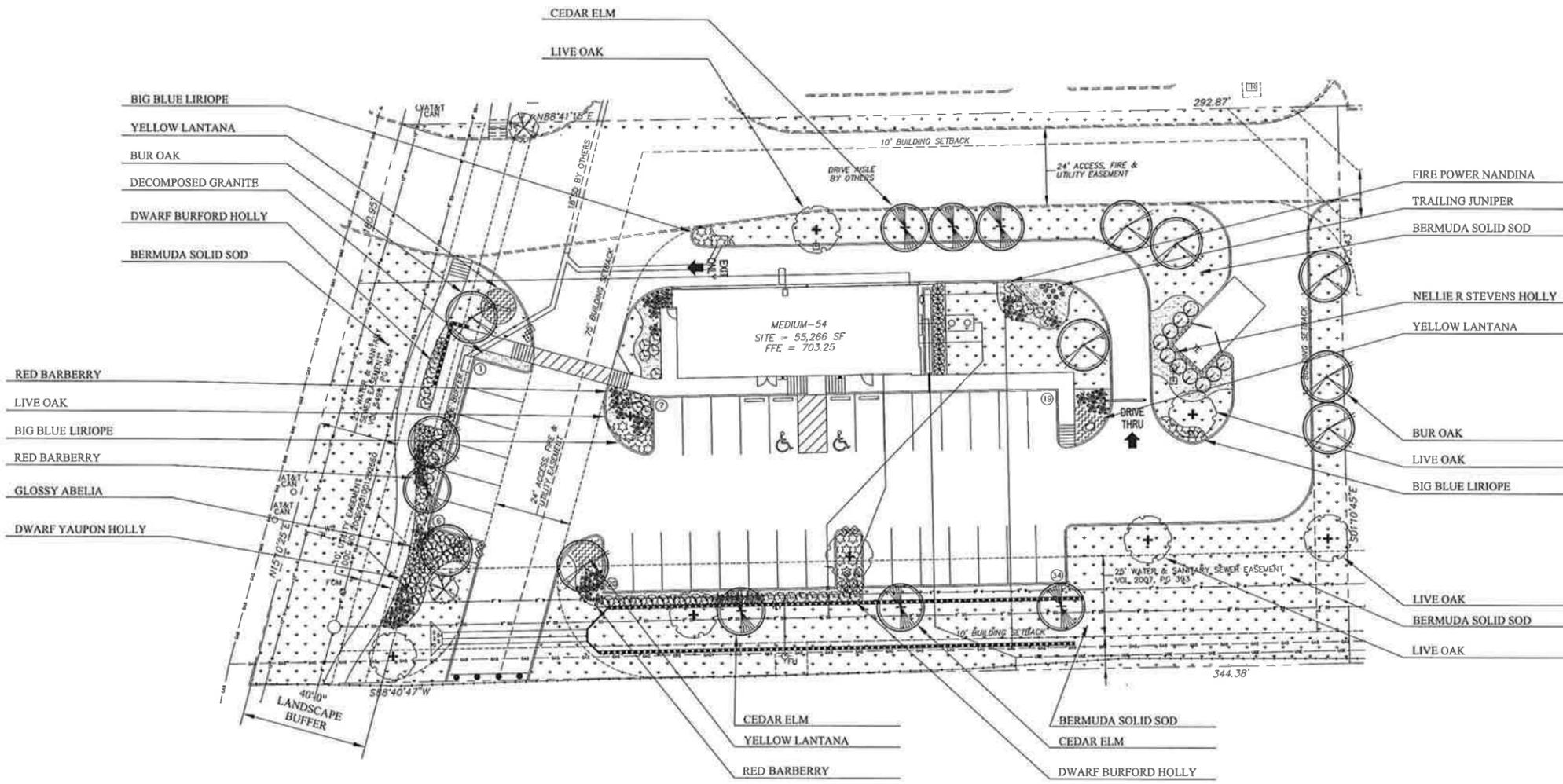
CONTRACT DATE:
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
CELINA, TEXAS



TACO BELL
SITE LANDSCAPE
PLAN

L1.0



1 PLANTING PLAN
SCALE: 1"=20'-0"



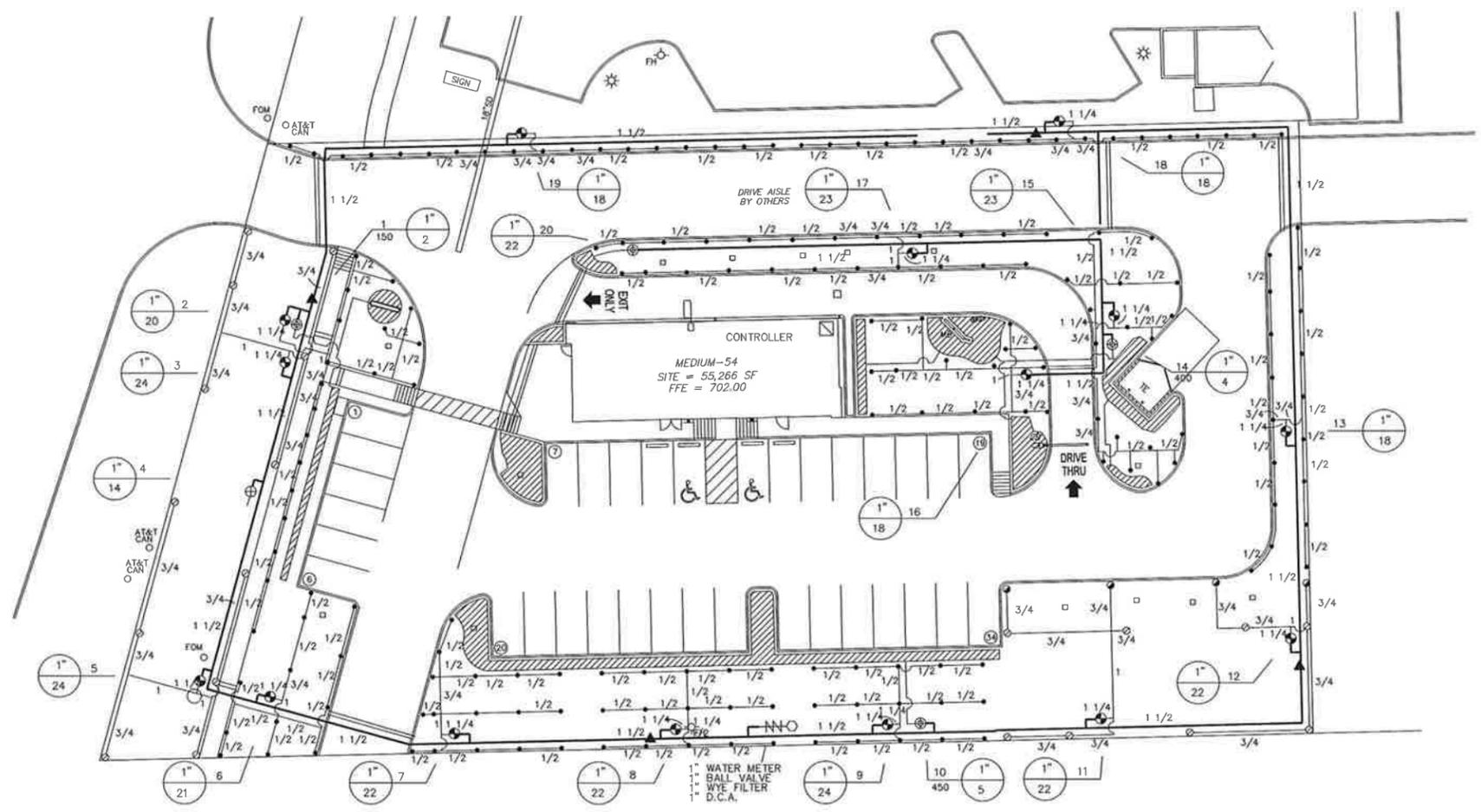


Ironwood Design Group
of Texas
355 E. HWY. HIGHWAY
GRAPESVILLE, TEXAS 76002
Office: (817) 400-0292
Fax: (817) 329-7657

LEGEND

- HUNTER PROS-06-NSI-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER TREE)
SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
- ▨ NETAFIM TECHLINE CV SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH
SEE INSTALLATION NOTE #16 REGARDING DRIP TUBE LAYOUT IN SHRUB BEDS.
- HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE
- HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
- ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
- ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL, "TREE BUBBLER ZONE" VALVE
SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
- ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH "ACCU-SET" PRESSURE REGULATOR AND
SAME SIZE NETAFIM DISK FILTER (120 MESH) - FOR "DRIP" ZONES. SET REGULATOR AT 30 P.S.I.
- ▲ HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
- ⊕ 1" WILKINS 350 SERIES D.C.A. INSTALLED PER CITY CODE, WITH SAME SIZE WILKINS 850 SERIES BRONZE
BALL VALVE AND WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN
- 1" IRRIGATION WATER METER AND TAP
- HUNTER IC-M SERIES AUTOMATIC CONTROLLER WITH WRFC WIRELESS RAIN / FREEZE SENSOR
LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT
- CLASS 200 PVC MAINLINE PIPE
- CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
- 4" CLASS 200 SLEEVE PIPE

L.I.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.



1 IRRIGATION PLAN
SCALE: 1"=20'-0"



James Pole
IRRIGATION CONSULTANTS
IRRIGATION DESIGN, CONSULTING, AND
LANDSCAPE WATER MANAGEMENT
TEXAS L.I.C. #658 PHONE: 940.243.2364
100 N. LOCUST ST., SUITE 3 FAX: 940.382.2475
DENTON, TEXAS 76201 james@jamespoleirrigation.com



IRRIGATION IN TEXAS IS REGULATED BY
THE TEXAS COMMISSION ON ENVIRONMENTAL
QUALITY (TCEQ) (MC-178) P.O. BOX 13087
T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

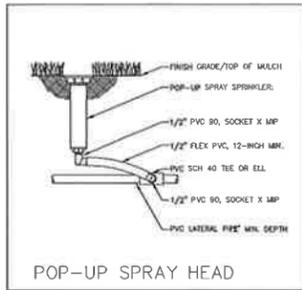
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CONTRACT DATE:
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

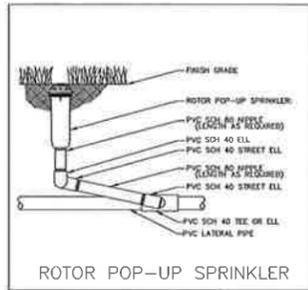
TACO BELL
CELINA, TEXAS

TACO BELL
SITE IRRIGATION
PLAN
L2.0

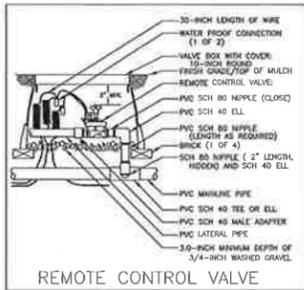
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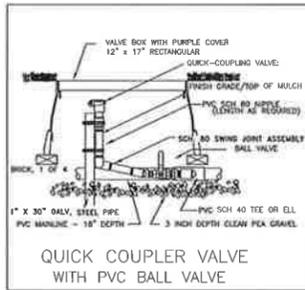
POP-UP SPRAY HEAD



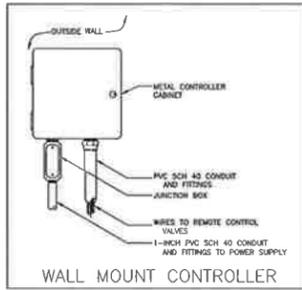
ROTOR POP-UP SPRINKLER



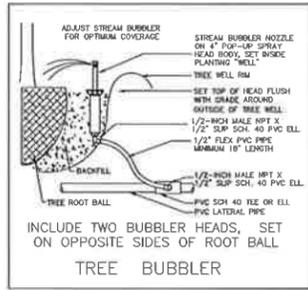
REMOTE CONTROL VALVE



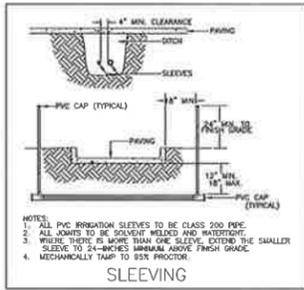
QUICK COUPLER VALVE WITH PVC BALL VALVE



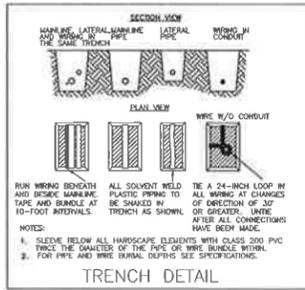
WALL MOUNT CONTROLLER



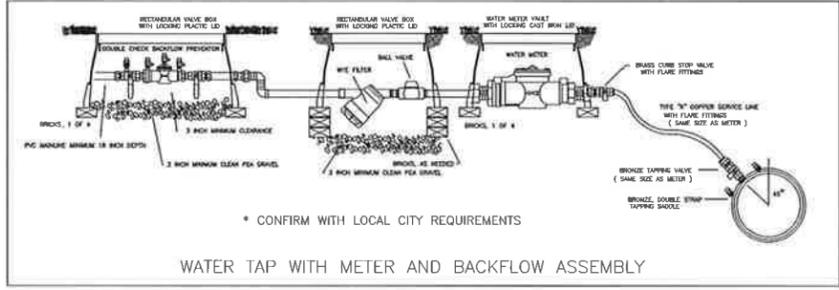
TREE BUBBLER



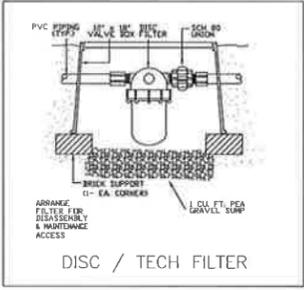
SLEEVING



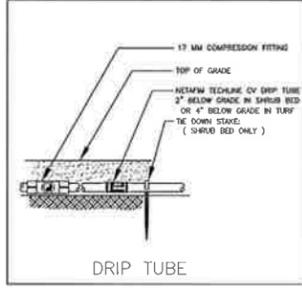
TRENCH DETAIL



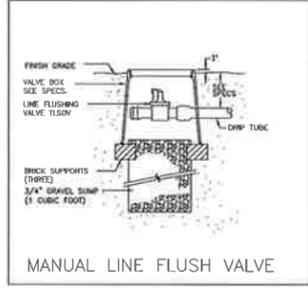
WATER TAP WITH METER AND BACKFLOW ASSEMBLY



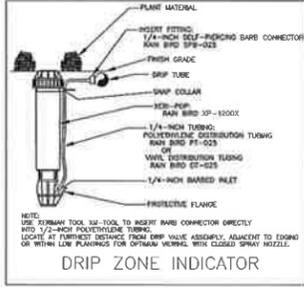
DISC / TECH FILTER



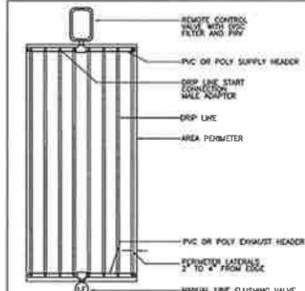
DRIP TUBE



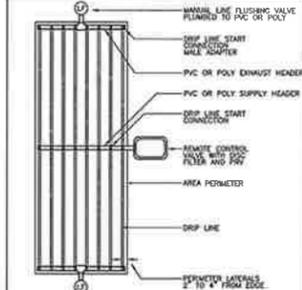
MANUAL LINE FLUSH VALVE



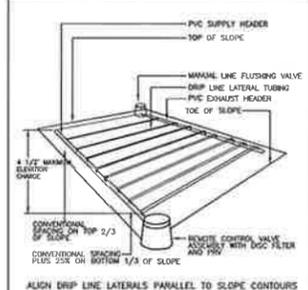
DRIP ZONE INDICATOR



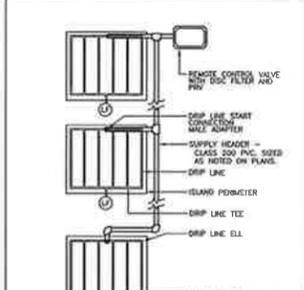
DRIP END FEED LAYOUT



DRIP CENTER FEED LAYOUT



DRIP SLOPE FEED LAYOUT

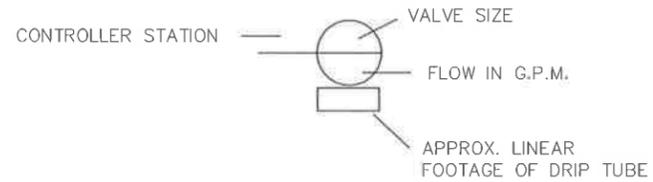


DRIP ISLAND LAYOUT

- ### INSTALLATION NOTES
- COORDINATE IRRIGATION INSTALLATION WITH PLANTING PLAN AND SITE CONDITIONS TO PROVIDE COMPLETE COVERAGE WITH MINIMUM OVERSPRAY. THE IRRIGATION CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS TO ENSURE PROPER COVERAGE AT NO ADDITIONAL COST TO THE OWNER.
 - THE IRRIGATION CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE MANDATED IRRIGATION ORDINANCES AND CODES, AND WILL SECURE ALL REQUIRED PERMITS. I.L.C. SHALL PAY ANY ASSOCIATED FEES UNLESS OTHERWISE NOTED. ALL LOCAL CODES SHALL PREVAIL OVER ANY DISCREPANCIES HEREIN AND SHALL BE ADDRESSED BEFORE ANY CONSTRUCTION BEGINS.
 - CONFIRM MINIMUM STATIC WATER PRESSURE OF 60 PSI AT THE HIGHEST ELEVATION OF THE SYSTEM LIMITS, AND MAXIMUM STATIC WATER PRESSURE OF 90 P.S.I. AT THE LOWEST ELEVATION OF THE SYSTEM LIMITS AT LEAST 7 DAYS BEFORE BEGINNING WORK. IF STATIC WATER PRESSURE IS OUTSIDE THE RANGE STATED ABOVE, DO NOT PROCEED UNTIL DIRECTED BY THE LANDSCAPE ARCHITECT.
 - LATERAL PIPE SHALL BE INSTALLED AT A MINIMUM DEPTH OF 12 INCHES. MAINLINE PIPE AND WIRES SHALL BE INSTALLED AT A MINIMUM DEPTH OF 18 INCHES. NO MACHINE TRENCHING SHALL BE PERMITTED WITHIN EXISTING TREE ROOT ZONES. WHEN HAND - TRENCHING WITHIN EXISTING TREE ROOT ZONES, NO ROOTS LARGER THAN 1" DIAMETER SHALL BE CUT.
 - UNPLEEVED PIPES MAY BE SHOWN UNDER PAVEMENT FOR GRAPHIC CLARITY ONLY. INSTALL THESE PIPES IN ADJACENT LANDSCAPED AREAS.
 - ELECTRIC POWER SHALL BE PROVIDED WITHIN FIVE FEET OF CONTROLLER LOCATION BY GENERAL CONTRACTOR. I.L.C. TO PROVIDE FINAL HARD-WIRE TO CONTROLLER.
 - 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR "IRRIGATION WIRE". WIRE SPLICES SHALL INCLUDE DBY CONNECTORS AS MANUFACTURED BY JM COMPANY, ALL FIELD SPLICES SHALL BE LOCATED IN A ROUND VALVE BOX OF SUFFICIENT SIZE TO ALLOW INSPECTION.
 - VALVE BOXES SHALL BE INSTALLED FLUSH WITH GRADE, SUPPORTED BY BRICKS IF NEEDED, WITH 3 INCHES OF CLEAN PEA GRAVEL LOCATED BELOW THE VALVE. USE 12" x 17" RECTANGULAR VALVE BOXES WITH PURPLE LID FOR QUICK COUPLING VALVES, AND 10" ROUND BOXES FOR ELECTRIC VALVES UNLESS NOTED OTHERWISE, D.C.A., WITH UPSTREAM BALL VALVE AND WYE FILTER SHALL BE BOXED AND LOCATED ACCORDING TO LOCAL CODE.
 - USE RIGID SCH. 80 PVC SWING JOINT ASSEMBLIES TO CONNECT ALL ROTARY HEADS AND QUICK COUPLERS.
 - ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12" MINIMUM LENGTH OF 1/2" FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH WELD-ON #795 SOLVENT AND #P-70 PRIMER.
 - PROVIDE ONE QUICK COUPLER KEY WITH SWIVEL HOSE ELL FOR EVERY SIX Q.C. VALVES. (MINIMUM ONE SET).
 - CONTRACTOR IS TO CONTACT APPROPRIATE AUTHORITIES AND LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
 - LATERAL PIPE TO TREE STREAM BUBBLER HEADS IS OMITTED FOR GRAPHIC CLARITY, CONNECT TREE BUBBLER HEADS TO VALVES AS SHOWN WITH CLASS 200 PVC PIPE SIZED TO ALLOW A MAXIMUM FLOW VELOCITY OF 5 FEET PER SECOND
 - THE PROPOSED LOCATIONS OF ALL ABOVE- GROUND EQUIPMENT INCLUDING BACKFLOW PREVENTORS, CONTROLLERS AND WEATHER SENSORS SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE BEFORE THESE ITEMS ARE INSTALLED.
 - ALL HEADS SHALL BE INSTALLED A MINIMUM OF 4" FROM PAVEMENT EDGES, (6" OR GREATER WHERE REQUIRED BY LOCAL CODE) FINAL HEAD ADJUSTMENTS BY THE CONTRACTOR SHALL INCLUDE THE ADDITION OF CHECK VALVES WHERE NEEDED TO PREVENT EXCESSIVE LOW HEAD DRAINAGE. THE CONTRACTOR SHALL BUDGET FOR, AND INSTALL CHECK VALVES FOR UP TO 10% OF THE TOTAL NUMBER OF HEADS WHEN NEEDED, WITH NO ADDITIONAL COST TO THE OWNER.
 - WHERE SHOWN ON THE PLANS, MASS SHRUB / GROUNDCOVER BEDS SHALL INCLUDE NETAFIM TECHLINE CV SERIES DRIP TUBE WITH PRE-INSTALLED .6 GPH DRIP EMITTERS AT 12" INTERVALS (TLCV6-12), INSTALLED IN CENTER-FED GRIDS WITH ROWS SPACED 18" APART, INDIVIDUAL DRIP TUBE RUNS SHALL NOT EXCEED 150 LF. PVC LATERAL "TRUNK" LINES SHALL BE INSTALLED 10" DEEP. DRIP TUBE SHALL BE SET 2" BELOW FINISHED SOIL GRADE (NOT INCLUDING MULCH LAYER), SECURELY STAKED EVERY 18". NETAFIM #TL050MFV-1 FLUSH VALVES SHALL BE INSTALLED AT THE FARTHEST POINTS FROM THE ZONE VALVE. USE 17 MM BARBED FITTINGS FOR DRIP LINE CONNECTIONS, SET THE MAXIMUM OPERATING PRESSURE AT 30 PSI. TECHLINE CV SHALL BE INSTALLED PERPENDICULAR TO SLOPE FACE, INSTALL TLCV IN-LINE CHECK VALVES FOR EVERY 4.5 FEET OF DRIP LINE ELEVATION CHANGE WITHIN THE ZONE. USE NETAFIM STAPLES (#T56) TO SECURE TUBING EVERY 18" EACH DRIP ZONE SHALL INCLUDE ONE MAINTENANCE "FLAG" WHICH SHALL CONSIST OF A 12" POP-UP SPRAY HEAD AND COMPLETELY CLOSED SPRAY NOZZLE. THE POP-UP HEAD SHALL BE CONNECTED TO THE DRIP ZONE PIPE, SET FLUSH WITH GRADE, AND LOCATED AT THE FARTHEST DISTANCE FROM THE DRIP VALVE ASSEMBLY. INSTALL THE "FLAG" HEAD ADJACENT TO EDGING OR IN LOW PLANTINGS FOR EASE OF VIEWING.

- ### LEGEND
- HUNTER PROS-06-NSI-PRS30 SERIES POP UP SPRAY HEADS WITH HUNTER MSBN-50H STREAM BUBBLER NOZZLES. (TWO PER TREE) SEE INSTALLATION NOTE #13 REGARDING TREE BUBBLER LATERAL PIPE
 - HUNTER PROS-04-PRS30 SERIES POP UP SPRAY HEAD WITH PRO SPRAY SERIES NOZZLE AS NOTED BELOW
 - ▨ NETAFIM TECHLINE CV SERIES DRIP TUBE IN SHRUB BED INSTALLED AT 2" DEPTH
 - HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #2.5 BLUE NOZZLE UNLESS NOTED OTHERWISE
 - HUNTER PGP ULTRA, ADJUSTABLE ARC 4" POP UP ROTARY HEAD, PART CIRCLE, #4.0 BLUE NOZZLE UNLESS NOTED OTHERWISE
 - HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE
 - ⊕ HUNTER ICV SERIES ELECTRIC REMOTE CONTROL VALVE WITH "ACCU-SET" PRESSURE REGULATOR AND SAME SIZE NETAFIM DISK FILTER (120 MESH) - FOR "DRIP" ZONES. SET REGULATOR AT 30 P.S.I.
 - ▲ HUNTER HQ-33-LRC-R QUICK COUPLING VALVE WITH LOCKING PURPLE COVER AND 3/4" PVC BALL VALVE
 - ⊕ 1" WILKINS 350 SERIES D.C.A. INSTALLED PER CITY CODE, WITH SAME SIZE WILKINS 850 SERIES BRONZE BALL VALVE AND WILKINS YB SERIES BRONZE WYE FILTER WITH 20 MESH STAINLESS STEEL SCREEN
 - 1" IRRIGATION WATER METER AND TAP
 - HUNTER IC-M SERIES AUTOMATIC CONTROLLER WITH WRFC WIRELESS RAIN / FREEZE SENSOR
 - LOCATE SENSOR AS FIELD DIRECTED BY THE LANDSCAPE ARCHITECT
 - CLASS 200 PVC MAINLINE PIPE
 - CLASS 200 (EXCEPT 1/2 INCH #315) PVC LATERAL PIPE
 - 4" CLASS 200 SLEEVE PIPE

I.L.C. SHALL SELECT PRO-SPRAY SPRAY NOZZLES FOR "HEAD-TO-HEAD" COVERAGE, ADJUSTED FOR NO OVERSPRAY ONTO WALLS AND WALKS. NO OVERSPRAY INTO STREETS IS PERMITTED.



James Pole
IRRIGATION CONSULTANTS

IRRIGATION DESIGN, CONSULTING, AND LANDSCAPE WATER MANAGEMENT

TEXAS L.L.C. #658 100 N. LOCUST ST., SUITE 3 DENTON, TEXAS 76201

PHONE: 940.243.2384 FAX: 940.382.2475 jones@jamespoleirrigation.com

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) (MC-178) P.O. BOX 13087 T.C.E.Q.'S WEB SITE IS: WWW.TCEQ.STATE.TX.US

Ironwood Design Group of Texas

316 E. N.W. HIGHWAY
CANTON, TEXAS 75001
Office: (817) 400-0292
Fax: (817) 329-7437

CONTRACT DATE:
BUILDING TYPE:
PLAN VERSION:
SITE NUMBER:
STORE NUMBER:

TACO BELL
CELINA, TEXAS

TACO BELL

IRRIGATION DETAILS

L2.1

PLOT DATE: