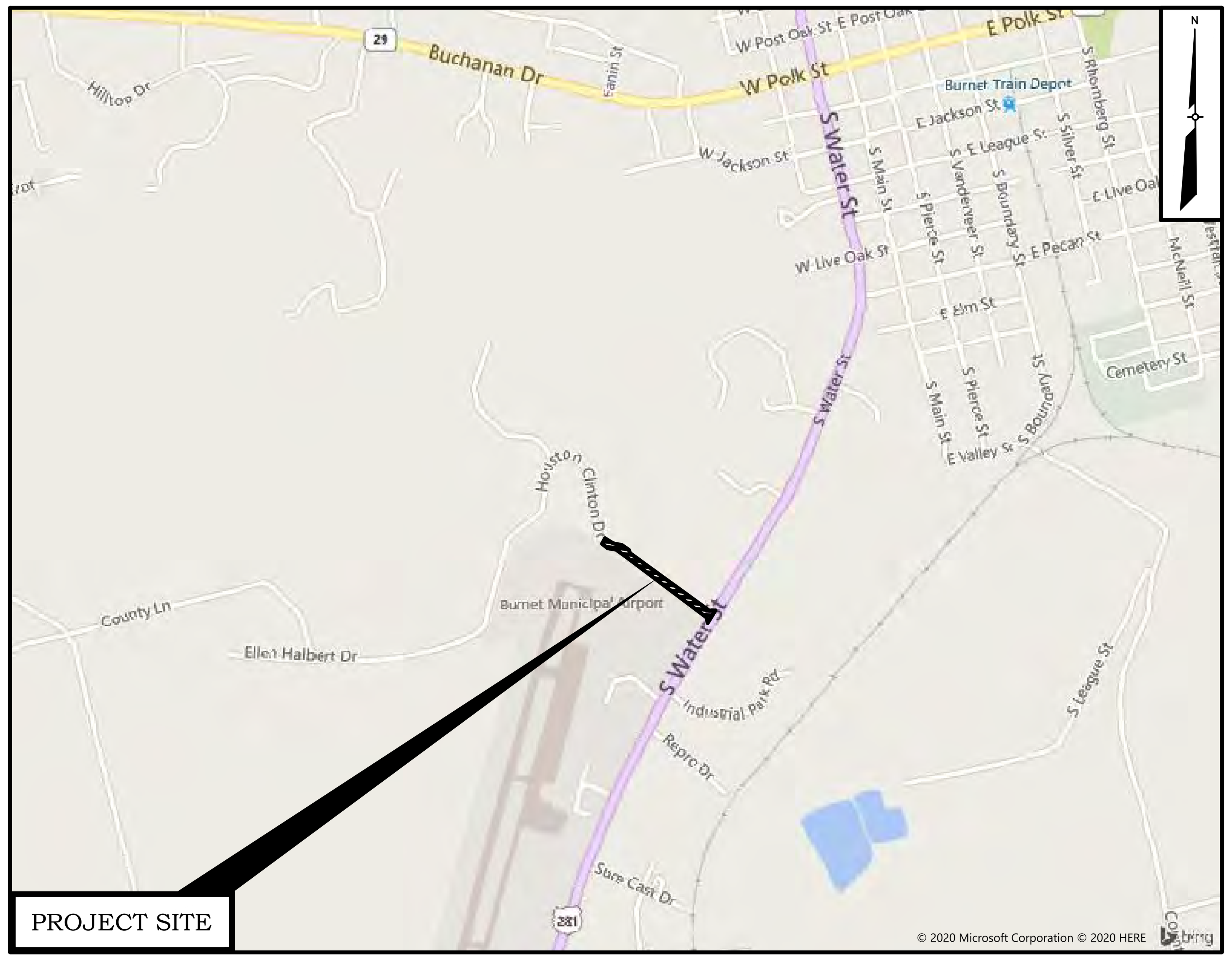
HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS



LOCATION MAP
1"= 1,000'

PROJECT DATA:

SUBDIVISION PLAT NUMBER:	
SUBMITTAL DATE:	JUNE, 2020
PROJECT ADDRESS:	HOUSTON CLINTON DRIVE BURNET, TEXAS 78611
ZONING:	–
USE:	–

LEGAL DESCRIPTION:

BEING A 1.62 ACRE TRACT OF LAND OUT OF THE LEMEUL TAYLOR SURVEY NO. 8, ABSTRACT NO. 880, OF THE OFFICIAL PUBLIC RECORDS OF THE COUNTY OF BURNET COUNTY, TEXAS.

BENCHMARKS:

TBM:

- TBM-1 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1261.70'.
- TBM-2 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1262.45'.
- TBM-3 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1263.27'.
- TBM-4 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1269.04'.

GENERAL NOTES:

1. THIS SITE IS LOCATED IN THE HAMILTON CREEK WATERSHED.
2. THIS SITE IS NOT LOCATED IN THE EDWARDS AQUIFER RECHARGE ZONE.
3. FLOOD PLAIN NOTE: A PORTION OF THIS TRACT IS WITHIN THE DESIGNATED FLOOD HAZARD AREA AS SHOWN ON THE FEDERAL FLOOD INSURANCE ADMINISTRATION RATE MAP # 48053C 0480G, BURNET COUNTY, TEXAS, DATED 11/1/2019.
4. CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
5. WATER AND WASTEWATER SERVICE IS PROVIDED BY THE CITY OF BURNET.
6. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS , THE CITY OF BURNET MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.
7. RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.
8. APPROVAL OF THESE PLANS BY THE CITY OF BURNET INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

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SHEET	C5	TRAFFIC CONTROL PHASE 5
SHEET	C6	TRAFFIC CONTROL PHASE 6

DEVELOPER:

CITY OF BURNET PUBLIC WORKS
1000 BUCHANAN DRIVE
BURNET, TEXAS 78611

CIVIL ENGINEER & PERMIT CONSULTANT

CUATRO CONSULTANTS, LTD.
120 RIVERWALK DRIVE, SUITE 208
SAN MARCOS, TEXAS
(512) 312-5040

SURVEYOR

CELCO SURVEYING, FIRM REGISTRATION NO. 10193975
GEORGE E. LUCAS, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4160
2205 STONECREST PATH
NEW BRAUNFELS, TEXAS 78130
(512) 635-4857

SUBMITTED BY:

[illegible]
STATE OF TEXAS — HUGO ELIZONDO, JR. — 69781 — LICENSED PROFESSIONAL ENGINEER

HUGO ELIZONDO, P.E., C.F.M.
CUATRO CONSULTANTS, LTD.
120 RIVERWALK DRIVE, SUITE 208
SAN MARCOS, TEXAS
(512) 312-5040

DATE: 12/9/24

BURNET CITY COUNCIL:

HONORABLE GARY WIDEMAN	- MAYOR
PHILIP THURMAN	- MAYOR PRO TEM
RICKY LANGLEY	- COUNCIL MEMBER
JOYCE LAUDENSCHLAGER	- COUNCIL MEMBER
CINDIA TALAMANTEZ	- COUNCIL MEMBER
TRES CLINTON	- COUNCIL MEMBER
TOMMY GAUT	- COUNCIL MEMBER

BURNET CITY STAFF:

DAVID VAUGHN	- CITY MANAGER
ERIC BELAJ, P.E., CFM	- CITY ENGINEER
LESLIE KIMBLER	- DEVELOPMENT SERVICES PLANNING MANAGER
JACOB THOMAS	- WATER/WASTEWATER SUPERINTENDENT
THAD MERCER	- STREET/PARKS SUPERINTENDENT

REVISIONS:

REVISIONS/ CORRECTIONS

NO.	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET No.'s	TOTAL NO. SHEETS IN PLAN SET	NET CHANGE IMP.COVER (sq.ft.)	TOTAL SITE IMP. COVER (sq.ft.)/ %	APPROVAL/ DATE

UTILITIES:

WATER AND WASTEWATER
CITY OF BURNET
CONTACT: JACOB THOMAS
PHONE: (512) 756-2402
EMAIL: JTHOMAS@CITYOFBURNET.COM
1001 BUCHANAN DRIVE, SUITE 4
BURNET, TEXAS 78611

POWER
CITY OF BURNET
CONTACT: ANDREW SCOTT
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EMAIL: ASCOTT@CITYOFBURNET.COM
1001 BUCHANAN DRIVE, SUITE 4
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TELECOM
FRONTIER COMMUNICATIONS
CONTACT: STEVE WOLFF
PHONE: (512) 863-2745
EMAIL: STEVE.WOLFF@FTR.COM

REVIEWED BY:

CITY OF BURNET
1001 BUCHANAN DRIVE, SUITE 4
BOX 1369
BURNET, TEXAS 78611
DATE:

LESLIE KIMBLER
PLANNING AND DEVELOPMENT SERVICES
CITY OF BURNET, TEXAS.
SIGNATURE VALID FOR ONE (1) YEAR
DATE:

ERIC BELAJ, P.E.
CITY ENGINEER
CITY OF BURNET, TEXAS.
DATE:

DEVELOPMENT PERMIT NUMBER
DATE:

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED CD's TO REFLECT TRUE VERTICAL DATUM	HAS	12/22/22
3	REFLECT 3 5'x2' BOX CULVERTS/CARY JOHNSON PKWY AS INSTALLED.	AWE/CCG	12/6/24

CUATRO Consultants, LTD.
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120 Riverwalk Drive, Ste. 208 Phone: (512) 312-5040
San Marcos, Texas 78666 e-mail: cuatro@cuatroconsultants.com

HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE: JUNE, 2020	
PROJECT: JOB # 20-232	
DRAWING'S NAME: COVER SHEET	
DESIGN: CDE	CHECKED: HE.jr.
DRAWN: AWE	APPROVED: HE.jr.
SHEET: 1 OF 19	

PLOTTING DATE:
FILE NAME:

CITY OF BURNET
GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE FOLLOWING REGULATIONS AND SPECIFICATIONS. THE FIRST LISTED WILL HAVE PRIORITY OVER THOSE LISTED BELOW:

   - PERMITS ISSUED FOR PROJECT BY ANY REGULATORY AGENCIES
   - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ)
   - CITY OF BURNET CONSTRUCTION STANDARDS.
   - PLANS FOR THIS PROJECT.

2. PRIOR TO THE BEGINNING OF CONSTRUCTION, THE DEVELOPER SHALL ARRANGE A PRE–CONSTRUCTION CONFERENCE AT THE CITY OF BURNET. REPRESENTATIVES FROM THE FOLLOWING ORGANIZATIONS SHALL BE INVITED:
   - CITY OF BURNET STAFF INCLUDING DIRECTOR OF PUBLIC WORKS AND CITY OF BURNET ENGINEER.
   - CONTRACTOR
   - DESIGN ENGINEER
   - ELECTRIC, GAS, PHONE AND CABLE UTILITY REPRESENTATIVE

3. PRIOR TO THE BEGINNING OF CONSTRUCTION ALL PLAN REVIEW AND CONSTRUCTION INSPECTION FEES SHALL BE PAID TO THE CITY OF BURNET AND THE FOLLOWING PERMITS SHALL BE IN PLACE, IF NECESSARY:

   - TEXAS DEPARTMENT OF TRANSPORTATION, ENTRY ONTO A HIGHWAY.
   - U.S. CORPS OF ENGINEERS, SECTION 404, FOR CONSTRUCTION IN FLOOD PLAIN.
   - TEXAS DEPARTMENT OF LICENSING AND REGULATION FOR HANDICAP ACCESSIBILITY.
   - TEXAS COMMISSION ON ENVIRONMENTAL QUALITY FOR SIGNIFICANT WATER AND WASTEWATER FACILITIES, INCLUDING LIFT STATIONS AND TPDES/SW3P.
   - CITY OF BURNET PERMIT FOR UTILITY OR DRIVEWAY CONSTRUCTION.

4. ANY EXISTING PAVEMENT, CURBS, AND/OR SIDEWALKS DAMAGED OR REMOVED SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE BEFORE ACCEPTANCE OF THE SITE IMPROVEMENTS.

5. THE CONTRACTOR SHALL GIVE THE CITY OF BURNET (PHONE NO. 512/756–6093) 48 HOURS NOTICE PRIOR TO CONNECTING TO ANY EXISTING CITY UTILITY LINE.

6. ALL ACCESS RAMPS AND ANY SIDEWALK NOT ADJACENT TO A RESIDENTIAL LOT SHALL BE BUILT AS PART OF THE SUBDIVISION IMPROVEMENTS.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WARNING AND SAFETY SIGNS, BARRICADES AND TRAFFIC CONTROL DURING CONSTRUCTION. ALL ROAD SIGNAGE SHALL CONFORM TO THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.

8. CONTRACTOR SHALL MAKE ARRANGEMENTS WITH THE CITY OF BURNET FOR THE USE OF ALL WATER FOR CONSTRUCTION.

9. ALL FILL OR CUT ON LOTS WHICH IS GREATER THAN TWELVE (12) INCHES SHALL BE SHOWN ON THE PLANS AND SHALL CONFORM TO THE FOLLOWING:

   THE MATERIAL SHALL NOT CONTAIN ANY ROCKS HAVING A MAXIMUM DIMENSION GREATER THAN SIX (6) INCHES.

   THE MATERIAL SHALL HAVE AT LEAST FIFTY PERCENT (50%) PASSING THE NO. 4 SIEVE.

   THE MATERIAL SHALL BE REASONABLY FREE OF ROOTS, TRASH, CONCRETE RUBBLE AND OTHER ORGANIC MATERIAL.

   COMPACTION SHALL BE TO NINETY–FIVE PERCENT (95%) OF MAXIMUM LABORATORY DENSITY DETERMINED IN ACCORDANCE WITH THE ASTM D 698. THE MATERIAL SHALL BE WITHIN THREE (3) PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT DURING COMPACTION. PLACEMENT SHALL BE IN LIFTS NOT EXCEEDING EIGHT (8) INCHES AFTER COMPACTION. EACH COMPACTED LIFT SHOULD BE INSPECTED AND/OR TESTED FOR DENSITY COMPLIANCE BY A GEOTECHNICAL ENGINEER PRIOR TO PLACING THE NEXT LIFT. THE FILL AREA SHOULD EXTEND AT LEAST 24 INCHES (36 INCHES ON FILLS OVER SIX (6) FEET IN HEIGHT) BEYOND THE BACK OF CURB OR FOUNDATION LINE BEFORE SLOPING DOWNWARD ON NOT MORE THAN THREE (3) TO ONE (1) SLOPE TO NATURAL SOIL. BACKSLOPES SHALL BE WELL COMPACTED. MAXIMUM FILL HEIGHTS SHOULD NOT EXCEED TEN (10) FEET WITHOUT ENGINEERING CONSULTATION.

10. CONTRACTOR SHALL GIVE CITY INSPECTOR 48 HOURS NOTICE OF THE NEED FOR MATERIALS TESTING. ALL TESTING WILL BE ARRANGED BY THE CITY AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL RECEIVE A COPY OF TEST RESULTS.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTING STAKING AND CUT SHEETS FOR PIPE LINES LAID ON GRADE AND ROAD CONSTRUCTION. CUT SHEETS SHALL BE DELIVERED TO THE CITY INSPECTOR 36 HOURS PRIOR TO CONSTRUCTION.

12. IN ACCORDANCE WITH THE LAWS OF THE STATE OF TEXAS AND THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS. ALL TRENCHES OVER 5 FEET IN DEPTH SHALL BE SLOPED, SHORED. SHEETED, BRACED OR OTHERWISE SUPPORTED. FURTHERMORE, ALL TRENCHES LESS THAN 5 FEET IN DEPTH SHALL ALSO BE EFFECTIVELY PROTECTED WHEN HAZARDOUS GROUND MOVEMENT MAY BE EXPECTED. TRENCH SAFETY SYSTEMS TO BE UTILIZED FOR THIS PROJECT SHALL BE PROVIDED BY THE CONTRACTOR.

13. IN ACCORDANCE WITH THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS, WHEN EMPLOYEES ARE REQUIRED TO BE IN TRENCHES 4 FEET DEEP OR MORE, ADEQUATE MEANS OF EXIT, SUCH AS A LADDER OR STEPS, MUST BE PROVIDED AND LOCATED SO AS TO REQUIRE NO MORE THAN 25 FEET OF LATERAL TRAVEL.

14. NO TREES OVER 6 INCHES IN DIAMETER SHALL BE REMOVED UNLESS DESIGNATED TO BE REMOVED ON THE APPROVED PLANS. ALL TREE LIMBS REMOVED OR TRIMMED SHALL BE VERTICALLY CUT AND DRESSED.

15. ALL CONSTRUCTION ACTIVITIES SHALL BE CONFINED TO PROPERTY OWNED BY THE DEVELOPER OR PUBLIC RIGHT–OF–WAY AND EASEMENT UNLESS WRITTEN PERMISSION IS OBTAINED BY THE CONTRACTOR FROM THE PROPERTY OWNER AFFECTED.

16. THE CONTRACTOR SHALL VERIFY ALL DEPTHS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION. ANY DISCREPANCIES WITH THE CONSTRUCTION PLANS FOUND IN THE FIELD SHALL BE BROUGHT IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.

17. THE CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS AND SUPPLY SUCH RECORDS TO THE ENGINEER PRIOR TO THE COMPLETION OF CONSTRUCTION.

18. WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE PERMANENT AND ANY TEMPORARY EASEMENTS. CONTRACTORS SHALL NOTIFY ANY PRIVATE INDIVIDUALS OR CORPORATIONS IN PERSON PRIOR TO WORKING ON PRIVATE PROPERTIES (I.E. IN PRIVATE EASEMENT).

19. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ANY REQUIRED UTILITY RELOCATION WITH THE APPLICABLE UTILITY OWNER.

20. THE CITY OF BURNET DOES NOT ALLOW ANY BURNING OF TREES, BRUSH, OR TRASH WITHIN THE PROJECT AREA.

21. THE CITY OF BURNET DOES NOT ALLOW ANY BLASTING WITHIN THE CITY.

22. ALL PROPERTY CORNERS OR SURVEY MARKERS DISTURBED DURING THE COURSE OF CONSTRUCTION WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

23. THE CONTRACTOR WILL COORDINATE WITH PROPERTY OWNERS ON THE REMOVAL AND REPLACEMENT OF FENCE DURING THE CONSTRUCTION.

SEQUENCE OF CONSTRUCTION:

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORMWATER MANAGEMENT CONTROL STRUCTURES. THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR ACTIVITIES WILL BE AS FOLLOWS (REFER TO STORMWATER POLLUTION PREVENTION PLAN SHEET CONTAINED IN THIS SWPPP FOR DETAILS):

A. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE SWPPP PLAN SHEET.

B. INSTALL SILT FENCES AND ROCK BERMS IN THE LOCATION SHOWN ON THE SWPPP PLAN SHEET. CONTRACTOR SHALL CONDUCT A PRE–CONSTRUCTION MEETING INCLUDING CITY AND/OR COUNTY REPRESENTATIVES AND CONTRACTOR/ SUBCONTRACTOR SUPERINTENDENT.

C. BEGIN CLEARING, GRUBBING, AND TOPSOIL REMOVAL OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.

D. FREQUENT WATERING OF THE EXCAVATION AND FILL AREAS SHALL BE DONE TO MINIMIZE WIND EROSION.

E. INSTALL DRAINAGE STRUCTURES AND ADJUST MANHOLE TOPS AND VALVES.

F. INSTALL PROTECTIVE SILT FENCES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.

G. BEGIN SITE GRADING OPERATIONS AND ROAD SUBGRADE PREPARATION.

H. FINALIZE PAVEMENT SUBGRADE PREPARATION, INSTALL BASE MATERIAL. CONSTRUCT ALL GRATE INLETS, CURB INLETS, AND HEADWALLS. INLET PROTECTION SILT FENCES MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.

I. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.

J. CARRY OUT FINAL GRADING, SEEDING AND REVEGETATION.

K. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

L. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION.

M. INSTALL FINAL PAVEMENT AS SHOWN ON THE PLANS.

TPDES STORMWATER POLLUTION PREVENTION PLAN
GENERAL NOTES

(TO COMPLY WITH TPDES REQUIREMENTS)

1. SEE COVER SHEET OF THE PLANS FOR A GENERAL LOCATION MAP.

2. THE NATURE OF THE CONSTRUCTION ACTIVITY CONSISTS OF EXISTING STREET RECONSTRUCTION. THE MAIN POTENTIAL SOURCE OF POLLUTION FROM THE CONSTRUCTION IS SEDIMENT FROM THE DISTURBED AREAS.

3. FOR SEQUENCE OF CONSTRUCTION, SEE " SEQUENCE OF CONSTRUCTION" NOTES THIS SHEET.

4. THE CONSTRUCTION SITE DISTURBED AREA IS ESTIMATED TO BE 1.83 ACRES.

5. THE RUNOFF COEFFICIENT AFTER CONSTRUCTION WILL BE THE SAME AS THE EXISTING CONDITION AND DRAINAGE PATTERNS WILL BE UNCHANGED FROM EXISTING.

6. THE EXISTING QUALITY OF STORMWATER DISCHARGING FROM THE SITE IS CHARACTERISTIC OF A PARTIALLY DEVELOPED SITE. POST–DEVELOPMENTAL QUALITY WILL NOT BE SIGNIFICANTLY CHANGED UPON STABILIZATION OF THE SITE.

7. THE RECEIVING BODY OF WATER IS HAMILTON CREEK. WETLANDS OR AQUATIC SITES AS DESCRIBED UNDER 40 CFR 230.3 (q–1) WILL NOT BE DISTURBED OR RECEIVE DISCHARGES FROM DISTURBED AREAS OF THE PROJECT.

8. NO DESIGNATED CRITICAL HABITAT OCCURS WITHIN THE PROXIMITY OF THE CONSTRUCTION ACTIVITY. LISTED ENDANGERED OR THREATENED SPECIES DO NOT OCCUR WITHIN THE PROXIMITY OF THE CONSTRUCTION ACTIVITY.

9. PROPERTY LISTED OR ELIGIBLE FOR LISTING ON THE NATIONAL REGISTER OF HISTORIC PLACES DOES NOT OCCUR WITHIN THE PROXIMITY OF THE CONSTRUCTION ACTIVITY.

10. SEE CONSTRUCTION CONTRACT FOR A COPY OF THE STORM WATER GENERAL PERMIT AND FOR CONSTRUCTION ACTIVITY IN REGION 6.

11. SOILS ON THE SITE CONSIST OF BRACKETT ASSOCIATED SOILS.

12. FOR DEVELOPED CONDITION DRAINAGE PATTERNS REFER TO THE SWPPP OR DRAINAGE AREA MAP SHEET. GRADING WILL BE UNCHANGED FROM THE EXISTING CONDITION.

13. THE "EROSION/SEDIMENTATION CONTROL PLAN" INDICATED THE AREA TO BE DISTURBED BY THE LIMITS OF CONSTRUCTION LINE, LOCATIONS OF STABILIZATION MEASURES, CONTROLS, CONTRACTOR STAGING AREAS, AND TEMPORARY MATERIAL STOCKPILING, AND ANY ADJACENT WATERWAYS.

14. THE PERMITTEE MUST POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION:
    - TPDES PERMIT NUMBER OR A COPY OF THE NOI IF NO NUMBER HAS BEEN ASSIGNED
    - NAME AND PHONE NUMBER OF A LOCAL CONTACT, AND
    - A BRIEF PROJECT DESCRIPTION AND LOCATION OF THE SWPPP IF NOT LOCATED ON THE CONSTRUCTION SITE.

CONTROLS

STRUCTURAL EROSION CONTROL MEASURES TO BE USED DURING CONSTRUCTION CONSIST OF SILT FENCE AND ROCK BERM. THE TIMING FOR THE INSTALLATION OF THESE CONTROLS IS CONTAINED IN THE "SEQUENCE OF CONSTRUCTION" NOTES INCLUDED IN THESE PLANS. RESPONSIBLE PARTY FOR IMPLEMENTATION, INSPECTION, AND MAINTENANCE OF CONTROLS IS THE CONTRACTOR.

1. GOALS AND CRITERIA FOR EROSION/SEDIMENTATION CONTROLS
   A. THE CONSTRUCTION PHASE EROSION AND SEDIMENT CONTROLS SHOULD BE DESIGNED TO RETAIN SEDIMENT ON SITE TO THE EXTENT PRACTICABLE.

   B. ALL CONTROL MEASURES MUST BE PROPERLY SELECTED, INSTALLED, AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND GOOD ENGINEERING PRACTICES. IF PERIODIC INSPECTIONS OR OTHER INFORMATION INDICATES A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE PERMITEE MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS.

   C. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFFSITE ACCUMULATION OF SEDIMENT MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS. (E.G. SEDIMENT IN STREET IS WASHED INTO STORMSEWER)

   D. SEDIMENT MUST BE REMOVED FROM SEDIMENT TRAPS OR SEDIMENTATION PONDS WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50%.

   E. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BECOMING A POLLUTANT SOURCE.

   F. SPOIL MATERIAL DISPOSED OR STOCKPILE MATERIAL STORED AT AN OFFSITE LOCATION THAT IS USED SOLELY BY THE PERMITTED PROJECT IS CONSIDERED PART OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR REVISING THE SWPPP TO COVER THIS ACTIVITY.

2. STABILIZATION PRACTICES: THE PERMANENT EROSION CONTROLS NOTES INCLUDED IN THE GENERAL NOTES SPECIFY THE CRITERIA FOR REVEGETATION OF DISTURBED AREAS. THE EROSION/SEDIMENTATION CONTROL PLAN, INCLUDED AS PART OF THESE CONSTRUCTION PLANS, PROVIDES PROTECTION OF ADJACENT VEGETATION BY DEFINITION OF A LIMITS OF CONSTRUCTION AND ANY APPROPRIATE TREE PROTECTION ONSITE.
   A. STABILIZATION (SEEDING, SODDING, MULCHING, ETC.): DISTURBED AREA WHERE CONSTRUCTION HAS PERMANENTLY OR TEMPORARILY CEASED MUST BE STABILIZED WITHIN 14 DAYS OF THE LAST DISTURBANCE. (AREAS WHICH WILL BE REDISTURBED WITHIN 21 DAYS DO NOT HAVE TO BE STABILIZED.)

   B. IN ARID AREAS, AREAS EXPERIENCING DROUGHT, AND IN AREAS EXPERIENCING FROZEN GROUND CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

3. STRUCTURAL PRACTICES:
   A. PERMANENT CONTROLS SHALL CONSIST OF AN EXISTING WATER QUALITY POND, AND DETENTION POND.

   B. STORMWATER MANAGEMENT: STORMWATER SHALL BE DIRECTED TO NATURAL SWALES OR PROPOSED DITCHES. ALL LOW POINTS LEAVING THE SITE SHALL HAVE TEMPORARY EROSION CONTROLS, I.E., SILT FENCE, OR ROCK BERM.

   C. OTHER CONTROLS:
      1. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO THE RECEIVING WATERS.
      2. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED.
      3. APPLICATION OF THE SWPPP SHALL BE CONSISTENT WITH OTHER LOCAL AND STATE REGULATIONS.

4. RELEASES OF REPORTABLE QUANTITIES: THE TCEQ HAS ISSUED REGULATIONS THAT DEFINE WHAT REPORTABLE QUANTITY LEVELS ARE FOR OIL AND HAZARDOUS SUBSTANCES. THESE REGULATIONS ARE FOUND IN TAC CHAPTER 327 AND TABLE 302.4 IN 40 CFR 302.4. IF THERE IS A RQ RELEASE DURING THE CONSTRUCTION PERIOD, THEN THE FOLLOWING STEPS MUST BE TAKEN:
   * NOTIFY STATE EMERGENCY RESPONSE COMMISSION (SERC) IMMEDIATELY AT 1–800–832–8224
   * WITHIN 14 DAYS, MODIFY THE SWPPP WITH A WRITTEN DESCRIPTION OF THE RELEASE AND THE STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE.

5. INSPECTION: THE SWPP GENERAL PERMIT REQUIRES WRITTEN INSPECTIONS EVERY 14 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN DEPTH. ALL DISTURBED AREAS OF THE SITE, AREAS FOR MATERIAL STORAGE, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND ALL OF THE EROSION AND SEDIMENT CONTROLS THAT WERE IDENTIFIED AS PART OF THE PLAN MUST BE INSPECTED. CONTROLS MUST BE IN GOOD OPERATING CONDITION UNTIL THE AREA THEY PROTECT HAS BEEN COMPLETELY STABILIZED AND THE CONSTRUCTION ACTIVITY IS FINISHED.

6. MAINTENANCE/REPAIRS: IF SITE SPECIFICS AND OPERATION OF THE CONTROLS INDICATE MODIFICATIONS ARE REQUIRED, THEN SUCH MODIFICATIONS SHALL BE INDICATED ON THE SWPPP WITH ASSOCIATED DESCRIPTION AS TO NEED FOR THE ADDITIONAL CONTROLS. REVISIONS TO THE SWPPP SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOLLOWING INSPECTION. IF EXISTING BMP'S NEED TO BE MODIFIED OF ADDITIONAL BMP'S ADDED IMPLEMENTATION SHALL BE COMPLETED BEFORE THE NEXT ANTICIPATED STORM EVENT. IF THIS IS IMPRACTICABLE, THEY SHALL BE IMPLEMENTED AS SOON AS POSSIBLE. THE INSPECTOR MUST RECORD ANY DAMAGES OR DEFICIENCIES IN THE CONTROL MEASURES ON AN INSPECTION REPORT FORM. THESE REPORTS DOCUMENT THE INSPECTION OF THE POLLUTION PREVENTION MEASURES. RECORDS SHALL BE KEPT TO INDICATE THAT CORRECTION OF DAMAGE OR DEFICIENCIES WERE MADE.

7. RECORD KEEPING: IN ADDITION TO THE INSPECTION AND MAINTENANCE RECORDS, THE OPERATOR SHOULD KEEP RECORDS OF THE CONSTRUCTION ACTIVITY ON THE SITE. IN PARTICULAR, THE OPERATOR SHOULD KEEP A RECORD OF THE FOLLOWING INFORMATION:
   * THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR AREA.
   * THE DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, TEMPORARILY OR PERMANENTLY.
   * THE DATES WHEN AN AREA IS STABILIZED, TEMPORARILY OR PERMANENTLY.
   * A COPY OF THE SWPPP AND NPDES PERMIT (OR NOI FORM) MUST BE KEPT AT THE CONSTRUCTION SITE FROM THE TIME CONSTRUCTION BEGINS UNTIL THE SITE IS FINALLY STABILIZED.

8. RETENTION OF RECORDS: RETENTION OF RECORDS: RETENTION OF RECORDS REQUIRES THAT COPIES OF THE SWPPP AND ALL OTHER REPORTS REQUIRED BY THE PERMIT, AS WELL AS ALL OF THE DATA USED TO COMPLETE THE N.O.I. BE RETAINED FOR 3 YEARS AFTER THE COMPLETION OF FINAL SITE STABILIZATION.

9. NOTICE OF TERMINATION: THE NOT IS A ONE–PAGE FORM WHICH SHOULD BE COMPLETED AND SUBMITTED TO EPA WHEN A SITE HAS BEEN FINALLY STABILIZED OR WHEN AN OPERATOR OF A CONSTRUCTION ACTIVITY CHANGES.

604S.1 DESCRIPTION

THIS ITEM SHALL GOVERN THE PREPARATION OF A SEED BED TO THE LINES AND GRADES INDICATED ON THE DRAWINGS, SOWING OF SEEDS, FERTILIZING, MULCHING WITH STRAW, CELLULOSE FIBER WOOD CHIPS, RECYCLED PAPER MULCH AND OTHER MANAGEMENT PRACTICES ALONG AND ACROSS SUCH AREAS AS INDICATED IN THE DRAWING OR AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.

THIS SPECIFICATION IS APPLICABLE FOR PROJECTS OR WORK INVOLVING EITHER INCH–POUND OF SI UNITS. WITHIN THE TEXT, INCH–POUND UNITS ARE GIVEN PREFERENCE WITH SI UNITS SHOWN WITHIN PARENTHESIS.

604S.2 SUBMITTALS

THE SUBMITTAL REQUIREMENTS FOR THIS SPECIFICATION ITEM SHALL INCLUDE:
A. IDENTIFICATION OF THE TYPE, SOURCE, MIXTURE, PLS AND RATE OF APPLICATION OF THE SEED TYPE OF MULCH.
B. TYPE OF TACKING AGENT.
C. TYPE AND RATE OF APPLICATION OF FERTILIZER.

604S.3 MATERIALS

A. SEED
ALL SEED MUST MEET THE REQUIREMENTS OF THE TEXAS SEED LAW INCLUDING THE LABELING REQUIREMENTS FOE SHOWING PURE LIVE SEED(PLS), NAME AND TYPE OF SEED. THE SEED FURNISHED SHALL BE OF THE PREVIOUS SEASONS CROP AND THE DATE OF ANALYSIS SHOWN ON EACH BAG SHALL BE WITHIN NINE MONTHS OF THE TIME OF DELIVERY TO THE PROJECT. EACH VARIETY OF SEED SHALL BE FURNISHED AND DELIVERED IN SEPARATE BAGS OR CONTAINERS. A SAMPLE OF EACH VARIETY OF SEED SHALL BE FURNISHED FOR ANALYSIS AND TESTING WHEN DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.
THE AMOUNT OF SEED PLANTED PER ACRE (HECTARE) SHALL BE OF THE TYPE SPECIFIED IN SECTIONS 604S.5 AND 604S.6

B. WATER
WATER SHALL BE CLEAN AND FREE OF INDUSTRIAL WASTES AND OTHER SUBSTANCES HARMFUL TO THE GROWTH OF GRASS OR THE AREA IRRIGATED.

C. TOPSOIL
TOPSOIL SHALL CONFORM TO STANDARD SPECIFICATION ITEM NO. 601S.3(A).

D. FERTILIZER
THE FERTILIZER SHALL CONFORM TO STANDARD SPECIFICATION ITEM NO. 606S, "FERTILIZER".

E. STRAW AND MULCH OR HAY MULCH
STRAW MULCH SHALL BE OAT, WHEAT OR RICE STRAW. HAY MULCH SHALL BE PRAIRIE GRASS, BERMUDA GRASS, OR OTHER HAY APPROVED BY ENGINEER OR DESIGNATED REPRESENTATIVE. THE STRAW OR HAY SHALL BE FREE OF JOHNSON GRASS OR OTHER NOXIOUS WEEDS AND FOREIGN MATERIALS. IT SHALL BE KEPT IN A DRY CONDITION AND SHALL NOT BE MOLDED OR ROTTED.

F. TACKING AGENTS
THE TACKING AGENT SHALL BE A BIODEGRADABLE TACKING AGENT, APPROVED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE.

G. CELLULOSE FIBER MULCH (NATURAL WOOD)
CELLULOSE FIBER MULCH SHALL BE NATURAL CELLULOSE FIBER MULCH PRODUCED FROM GRINDING CLEAN WHOLE WOOD CHIPS. THE MULCH SHALL BE DESIGNED FOR USE IN CONVENTIONAL MECHANICAL PLANTING, HYDRAULIC PLANTING OF SEED OR HYDRAULIC MULCHING OF GRASS SEED, EITHER ALONE OR WITH FERTILIZERS AND OTHER ADDITIVES. THE MULCH SHALL BE SUCH, THAT WHEN APPLIED, THE MATERIAL FORM A STRONG, MOISTURE–RETAINING MAT WITHOUT THE NEED OF AN ASPHALT BINDER.

H. RECYCLED PAPER MULCH
RECYCLED PAPER MULCH SHALL BE SPECIFICALLY MANUFACTURED FROM POST–CONSUMER PAPER AND SHALL CONTAIN A MINIMUM OF 85% RECYCLED PAPER CONTENT BY WEIGHT, SHALL CONTAIN NO MORE THAN 15% MOISTURE AND 1.6% ASH, AND SHALL CONTAIN NO GROWTH INHIBITING MATERIAL OR WEED SEEDS. THE RECYCLED PAPER SHALL BE MIXED WITH GRASS SEED AND FERTILIZER FOR HYDRO–SEEDING /MULCHING, EROSION CONTROL, AND A BINDER OVER STRAW MULCH. THE MULCH, WHEN APPLIED, SHALL FORM A STRONG, MOISTURE–RETAINING MAT OF A GREEN COLOR WITHOUT THE NEED OF AN ASPHALT BINDER.

H. RECYCLED PAPER MULCH
RECYCLED PAPER MULCH SHALL BE SPECIFICALLY MANUFACTURED FROM POST–CONSUMER PAPER AND SHALL CONTAIN A MINIMUM OF 85% RECYCLED PAPER CONTENT BY WEIGHT, SHALL CONTAIN NO MORE THAN 15% MOISTURE AND 1.6% ASH, AND SHALL CONTAIN NO GROWTH INHIBITING MATERIAL OR WEED SEEDS. THE RECYCLED PAPER SHALL BE MIXED WITH GRASS SEED AND FERTILIZER FOR HYDRO–SEEDING /MULCHING, EROSION CONTROL, AND A BINDER OVER STRAW MULCH. THE MULCH, WHEN APPLIED, SHALL FORM A STRONG, MOISTURE–RETAINING MAT OF A GREEN COLOR WITHOUT THE NEED OF AN ASPHALT BINDER.

604S.4 CONSTRUCTION METHODS

A. PREPARING SEED BED
AFTER THE DESIGNATED AREAS HAVE BEEN ROUGH GRADED TO THE LINES, GRADES AND TYPICAL SECTIONS INDICATED IN THE DRAWINGS OR AS PROVIDED FOR IN OTHER ITEMS OF THIS CONTRACT AND FOR ANY OTHER SOIL AREA DISTURBED BY THE CONSTRUCTION, A SUITABLE SEEDBED SHALL BE PREPARED. THE SEEDBED SHALL CONSIST OF A MINIMUM OF EITHER 4" (100MILLIMETERS) OF APPROVED TOPSOIL OR 4" (100 MILLIMETERS) OF APPROVED SALVAGED TOPSOIL, CULTIVATED AND ROLLED SUFFICIENTLY TO REDUCE THE SOIL TO A STATE OF GOOD TILTH, WHEN THE SOIL PARTICLES ON THE SURFACE ARE SMALL ENOUGH AND LIE CLOSELY ENOUGH TOGETHER TO PREVENT THE SEED FROM BEING COVERED TOO DEEPLY FOR OPTIMUM GERMINATION. THE OPTIMUM DEPTH FOR SEEDING SHALL BE $\frac{1}{4}$" (6 MILLIMETERS). WATER SHALL BE GENTLY APPLIED AS REQUIRED TO PREPARE THE SEEDBED PRIOR TO THE PLANTING OPERATION EITHER BY BROADCAST SEEDING OR HYDRAULIC PLANTING. SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS HEREINAFTER DESCRIBED.

B. WATERING
ALL WATERING SHALL COMPLY WITH CITY ORDINANCES. BROADCAST SEEDED AREAS SHALL IMMEDIATELY BE WATERED WITH A MINIMUM OF 5 GALLONS OF WATER PER SQUARE YARD (22.5 LITERS OF WATER PER SQUARE METER) OR AS NEEDED AND IN THE MANNER AND QUANTITY AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. HYDRAULIC SEEDED AREAS AND NATIVE GRASS SEEDED AREAS SHALL BE WATERED COMMENCING AFTER THE TACKIFIER HAS DRIED WITH A MINIMUM OF 5 GALLONS OF WATER PER SQUARE YARD (22.5 LITERS OF WATER PER SQUARE METER) OR AS NEEDED TO KEEP THE SEEDBED IN A WET CONDITION FAVORABLE FOR THE GROWTH OF THE GRASS. WATERING APPLICATIONS SHALL CONSTANTLY MAINTAIN THE SEEDBED IN A WET CONDITION FAVORABLE FOR THE GROWTH OF GRASS. WATERING SHALL CONTINUE UNTIL THE GRASS IS UNIFORMLY 1 $\frac{1}{2}$" (40MM) IN HEIGHT AND ACCEPTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. WATERING CAN BE POSTPONED IMMEDIATELY AFTER A $\frac{1}{2}$" (12.5MM) OR GREATER RAINFALL ON THE SITE BUT SHALL BE RESUMED BEFORE THE SOIL DRIES OUT.

604S.5 NON-NATIVE SEEDING

A. METHOD A – BROADCAST SEEDING. THE SEED OR SEED MIXTURE IN THE QUANTITY SPECIFIED SHALL BE UNIFORMLY DISTURBED OVER THE PREPARED SEED AREAS INDICATED ON THE DRAWINGS OR WHERE DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. IF THE SOWING OF SEED IS BY HAND, RATHER THAN BY MECHANICAL METHODS, THE SEED SHALL BE SOWN IN TWO DIRECTIONS AT RIGHT ANGLES TO EACH IF MECHANICAL EQUIPMENT IS USED, ALL VARIETIES OF SEED, AS WELL AS FERTILIZER, MAY BE DISTRIBUTED AT THE SAME TIME, PROVIDED THAT EACH COMPONENT IS UNIFORMLY APPLIED AT THE SPECIFIED RATE. AFTER PLANTING, THE PLANTED AREA SHALL BE ROLLED WITH A CORRUGATED ROLLER OF THE "CULTIPACKER" ALL ROLLING OF THE SLOPE AREAS SHALL BE ON THE CONTOUR.

SEED MIXTURE AND RATE OF APPLICATION FOR BROADCAST SEEDING:

FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH A COMBINATION OF UNHULLED BERMUDA GRASS AT A RATE OF 2 POUNDS PER 1000 SQUARE FEET (1.0 KILOGRAMS PER 100 SQUARE METERS) AND COOL SEASON COVER CROP (SEE TABLE AT A RATE OF 1.5 POUNDS PER 1000 SQUARE FEET (0.75 KILOGRAMS PER 100 SQUARE METERS).
FROM MARCH 1 TO SEPTEMBER 15, SEEDING SHALL BE WITH HULLED BERMUDA GRASS AT A PLS=0.83. FERTILIZER SHALL BE APPLIED AND SHALL CONFORM TO ITEM NO.606S, "FERTILIZER".

B. METHOD B – HYDRAULIC PLANTING. THE SEEDBED SHALL BE PREPARED AS SPECIFIED ABOVE AND HYDRAULIC PLANTING EQUIPMENT, WHICH IS CAPABLE OF PLACING ALL MATERIALS IN A SINGLE OPERATION, SHALL BE USED.

MARCH 1 TO SEPTEMBER 15
HYDRAULIC PLANTING MIXTURE AND MINIMUM RATE OF APPLICATION POUNDS PER 1000 SQUARE FEET (KILOGRAMS PER 100 SQUARE METERS)

HULLED BERMUDA SEED (PLS=0.83)	TABLE 1: NON–NATIVE GRASS — FIBER MULCH: CELLULOSE	FIBER MULCH: WOOD	SOIL TACKIFIER
1 LBS/1000FT² (0.5 KGS/100 M²)	45.9 LBS/100 FT² (22.5 KGS/ 100M²)		1.4LBS/1000 FT² (0.7KGS\ 100M²)
		57.4LBS/1000 FT² (28.01KGS/ 100M²)	1.5LBS/1000 FT² (0.75KGS/ 100M²)

SEPTEMBER 15 TO MARCH 1
ADD 1.5 POUNDS PER 1000 SQUARE FEET (0.75 KILOGRAMS PER 100 SQUARE METERS) OF COOL SEASON COVER CROP (SEE TABLE 4) TO ABOVE MIXTURE. THE FERTILIZER SHALL CONFORM TO CITY OF AUSTIN STANDARD SPECIFICATION ITEM NO. 606S, "FERTILIZER".

604S.7 MULCH

A. STRAW MULCH
STRAW MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA INDICATED OR AS DESIGNATED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE AT THE RATE OF 2 TO 2 $\frac{1}{2}$ TONS OF STRAW PER ACRE (4.5 TO 5.6 MEGAGRAMS OF STRAW PER HECTARE). THE ACTUAL RATE OF APPLICATION WILL BE DESIGNATED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. STRAW MAY BE HAND OR MACHINE PLACED AND ADEQUATELY SECURED.

B. FIBER MULCH
CELLULOSE AND WOOD FIBER MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA INDICATED OR AS DESIGNATED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE AT A RATE THAT WILL PROVIDE 100% COVERAGE.

C. SHREDDED BRUSH MULCH
SMALL BRUSH OR TREE LIMBS EXCEPT JUNIPER, WHICH HAVE BEEN SHREDDED, MAY BE USED FOR MULCHING NATIVE GRASS SEEDING.

TRAFFIC CONTROL NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SIGNAGE FOR ALL WORK IN R.O.W.

2. THE CONTRACTOR SHALL NOTIFY ALL OTHER GOVERNMENTAL AGENCIES WHOSE RIGHT–OF–WAYS ARE AFFECTED BY HIS WORK ZONE TRAFFIC CONTROLS. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES THAT THEY MAY REQUIRE.

3. THE CONTRACTOR SHALL MAINTAIN TWO–WAY TRAFFIC AT ALL TIMES WHILE CROSSING EXISTING ROADWAYS UNLESS OTHERWISE NOTED ON THE PLANS.

4. THE CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS AT ALL TIMES. IF ACCESS CANNOT BE MAINTAINED, AT LEAST 24 HOUR WRITTEN NOTICE WILL BE GIVEN TO AFFECTED PROPERTY OWNERS.

5. ALL TRENCHES SHALL BE EITHER BACKFILLED, PLATED OR FENCED WITH SAFETY FENCING.

6. THE CONTRACTOR SHALL MAKE INSPECTION OF ALL TRAFFIC CONTROL DEVICES AT LEAST TWO TIMES A DAY (ONCE AT THE BEGINNING OF THE DAY AND ONCE AT THE END OF THE WORK DAY), INCLUDING NON WORKING DAYS TO INSURE THAT ALL DEVICES ARE IN PROPER WORKING ORDER.

7. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE CURRENT EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

8. ALL SIGNS USED AT NIGHT SHALL BE REFLECTORIZED AND SHALL HAVE A TYPE A FLASHING LIGHT.

- OWNER INFORMATION:

NAME: CITY OF BURNET

ADDRESS: 1000 BUCHANAN DRIVE
BURNET, TX 78611

PHONE: (512)–756–6093

- DESIGN ENGINEER: REPRESENTATIVE RESPONSIBLE FOR PLAN CHANGES.

NAME: HUGO ELIZONDO, JR. P.E., C.F.M.
C/O CUATRO CONSULTANTS, LTD

ADDRESS: 120 RIVERWALK DRIVE, SUITE 208
SAN MARCOS, TEXAS 78666

PHONE: (512) 312–5040

- CITY OF BURNET:

LESLIE KIMBLER
PLANNING AND DEVELOPMENT SERVICES
PHONE: (512) 756–6093

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED CD's TO REFLECT TRUE VERTICAL DATUM	HAS	12/22/22
3	REFLECT 3 5'x2' BOX CULVERTS/CARY JOHNSON PKWY AS INSTALLED.	AWE/CCG	12/6/24

STATE OF TEXAS
HUGO ELIZONDO, JR.
69781
LICENSED PROFESSIONAL ENGINEER
12/10/24

CUATRO Consultants, LTD.
Registration No. F-3524
120 Riverwalk Drive, Ste. 208 Phone: (512) 312-5040
San Marcos, Texas 78666 e-mail: cuatro@cuatroconsultants.com

GENERAL NOTES

HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

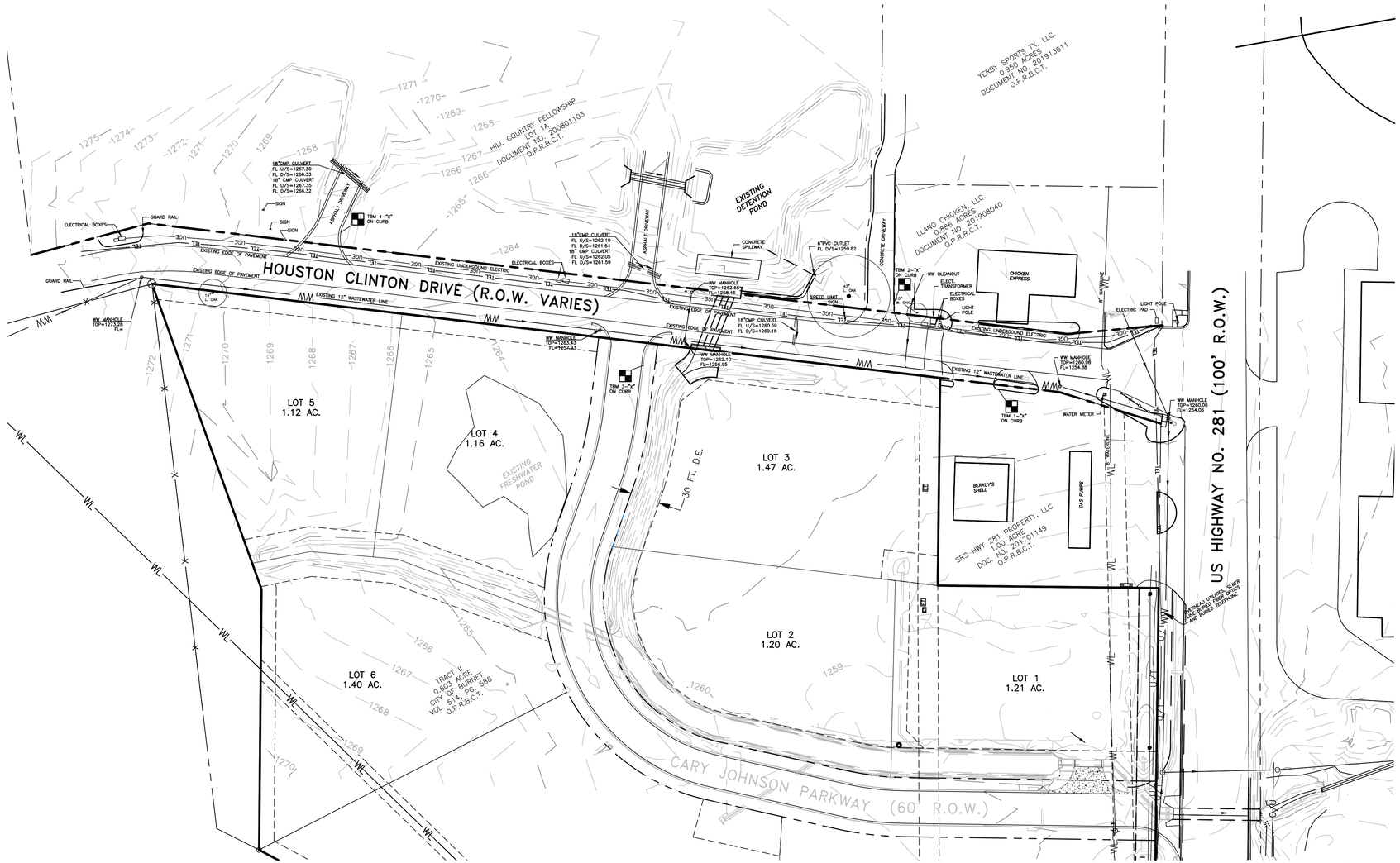
OWNER:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE: JUNE, 2020
PROJECT: JOB # 20–232
DRAWING'S NAME: GENERAL NOTES
DESIGN: AC | CHECKED: HE.jr.
DRAWN: AWE | APPROVED: HE.jr.
SHEET: 2 OF 19

PLOTTING DATE:
FILE NAME:

PLOTTING DATE:

FILE NAME:



0' 60' 120'

SCALE 1" = 60'

LEGEND

EXISTING	DESCRIPTION
	BOUNDARY LINE
	EASEMENT BOUNDARY
915	CONTOURS
	LOT LINE
	CENTER LINE OF DITCH
TEL	TELEPHONE LINE
	TELEPHONE PEDESTAL
W	WATER LINE
	WATER VALVE
	FIRE HYDRANT
	WATER METER
WW	WASTEWATER LINE
FM	FORCE MAIN
	WASTEWATER MANHOLE
C.O.	WASTEWATER CLEANOUT
	WASTEWATER SERVICE
FV	FLUSH VALVE
	AIR RELEASE VALVE
	EXISTING GAS RISER
	EXISTING IRRIGATION VALVE
OHE	OVER HEAD ELECTRIC
OHT	OVER HEAD TELEPHONE
	POWER POLE
	GUY WIRE
SS	STORM SEWER
	CMP/ RCP PIPES
ATT	AT&T LINE
FOC	FIBER OPTIC CABLE
	PAVEMENT
	CONCRETE
L.P.	LIGHT POLE
	EXISTING TREE
	EXISTING SHRUBS
	CHAIN LINK FENCE
	WOOD FENCE
	BARB WIRE FENCE
	TRAFFIC FLOW
	TEMP. BENCHMARK (SEE NOTE)

TEMPORARY BENCHMARK:

- TBM-1 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1261.70'.
- TBM-2 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1262.45'.
- TBM-3 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1263.27'.
- TBM-4 (TEMPORARY BENCHMARK) CHISELED X ON TOP BACK OF CURB, ELEVATION=1269.04'.

SOURCE:

TOPOGRAPHIC SURVEY GENERATED FROM FIELD SURVEY PERFORMED BY CELCO SURVEYING ON 07/29/22.

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED DEM TO REFLECT TRUE VERTICAL DATUM	HAS	11/22/23
3	REFLECT 3 3'X3' BOX CULVERTS CARY JOHNSON PKWY AS INSTALLED	AME/CDG	12/6/24

4QUATRO Consultants, LTD.
Registration No. F-3924
120 Rarmall Drive, Ste. 108 Phone: (512) 312-8740
San Marcos, Texas 78666 e-mail: custro@quatroconsultants.com

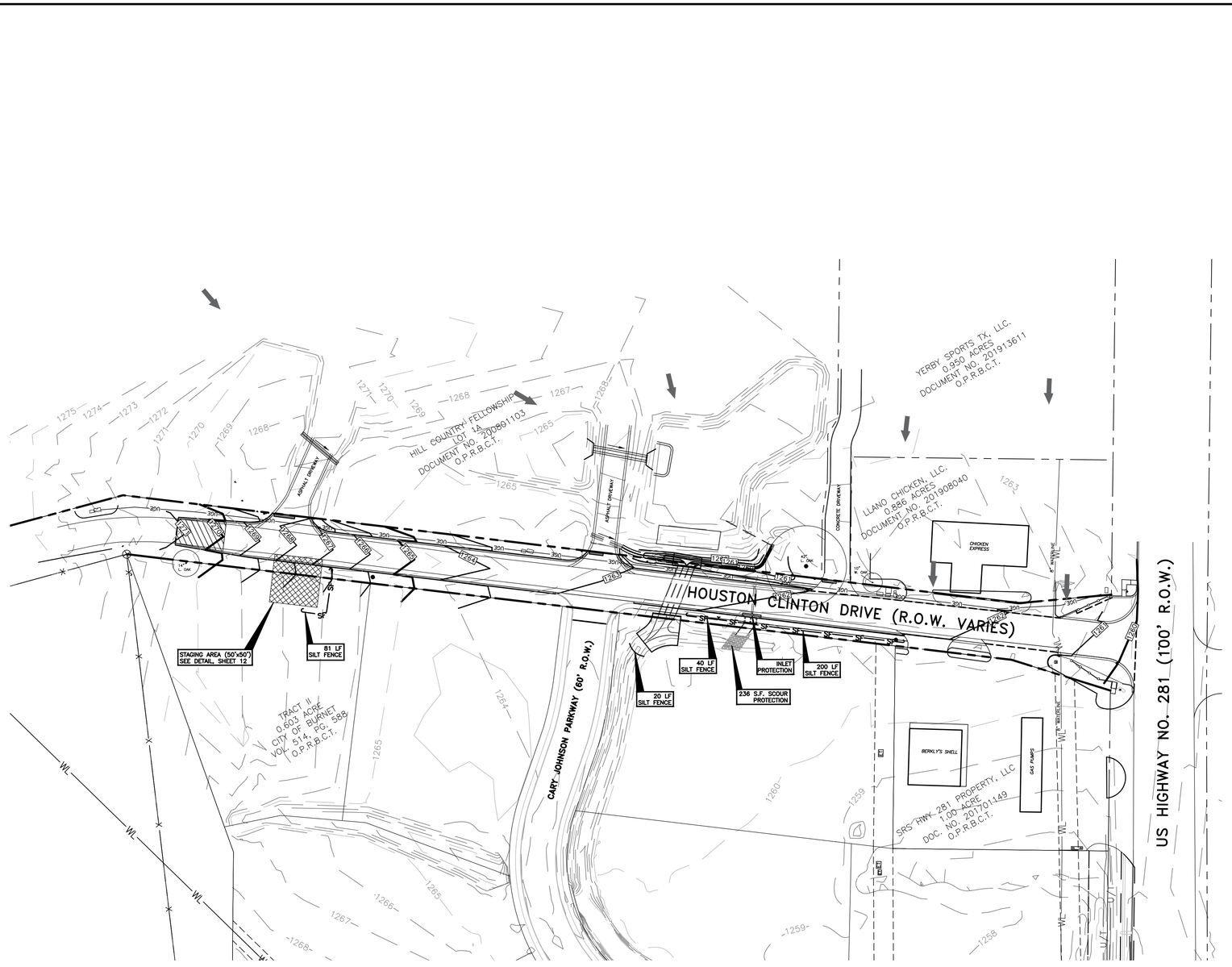
EXISTING CONDITIONS

HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

OWNER:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	EXISTING CONDITIONS
DESIGN: CDE	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	3 OF 19

PLOTTING DATE:



N

0' 60' 120'

SCALE 1" = 60'

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		BOUNDARY LINE
		EASEMENT BOUNDARY
915	915	CONTOURS
		LOT LINE
		CENTER LINE OF DITCH
TEL	TEL	TELEPHONE LINE
W	W	WATER LINE
		WATER VALVE
		FIRE HYDRANT
		WATER METER
WW	WW	WASTEWATER LINE
FM	FM	FORCE MAIN
C.O.	C.O.	WASTEWATER MANHOLE
		WASTEWATER CLEANOUT
		WASTEWATER SERVICE
FV	FV	FLUSH VALVE
		AIR RELEASE VALVE
OHE	OHE	OVER HEAD ELECTRIC
OHT	OHT	OVER HEAD TELEPHONE
		POWER POLE
		GUY WIRE
SS	SS	STORM SEWER
		CMP/ RCP PIPES
ATT	ATT	AT&T LINE
FOC	FOC	FIBER OPTIC CABLE
GAS	GAS	GAS LINE
		PAVEMENT
		CONCRETE
L.P.	L.P.	LIGHT POLE
		CHAIN LINK FENCE
		WOOD FENCE
		BARBED WIRE FENCE
		TRAFFIC FLOW
		HANDICAP SPACE
	LOC	LIMITS OF CONSTRUCTION
	SF	SILT FENCE
		STABILIZED CONSTRUCTION ENTRANCE
		STAGING/STORAGE AREA
		INLET PROTECTION
		ROCK BERM
		DRAINAGE FLOW

SEQUENCE OF CONSTRUCTION

THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING THE FOLLOWING EROSION CONTROL AND STORMWATER MANAGEMENT CONTROL STRUCTURES. THE ULTIMATE RESPONSIBILITY FOR IMPLEMENTING THESE CONTROLS AND ENSURING THEIR ACTIVITIES WILL BE AS FOLLOWS (REFER TO STORMWATER POLLUTION PREVENTION PLAN SHEET CONTAINED IN THIS SWPPP FOR DETAILS):

A. CONSTRUCT TEMPORARY CONSTRUCTION EXITS AT LOCATIONS SHOWN ON THE SWPPP PLAN SHEET.

B. INSTALL SILT FENCES AND ROCK BERMS IN THE LOCATION SHOWN ON THE SWPPP PLAN SHEET. CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING INCLUDING CITY AND/OR COUNTY REPRESENTATIVES AND CONTRACTOR/ SUBCONTRACTOR SUPERINTENDENT.

C. BEGIN CLEARING, GRUBBING, AND TOPSOIL REMOVAL OPERATIONS. CLEARING AND GRUBBING SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED WITHIN 14 DAYS AFTER CLEARING AND GRUBBING.

D. FREQUENT WATERING OF THE EXCAVATION AND FILL AREAS SHALL BE DONE TO MINIMIZE WIND EROSION.

E. INSTALL DRAINAGE STRUCTURES AND ADJUST MANHOLE TOPS AND VALVES.

F. INSTALL PROTECTIVE SILT FENCES AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.

G. BEGIN SITE GRADING OPERATIONS AND ROAD SUBGRADE PREPARATION.

H. FINALIZE PAVEMENT SUBGRADE PREPARATION, INSTALL BASE MATERIAL. CONSTRUCT ALL GRATE INLETS, CURB INLETS, AND HEADWALLS. INLET PROTECTION SILT FENCES MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION.

I. INSTALL BASE MATERIAL AS REQUIRED FOR PAVEMENT.

J. CARRY OUT FINAL GRADING, SEEDING AND REVEGETATION.

K. REMOVE SILT FENCING ONLY AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.

L. REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION.

M. INSTALL FINAL PAVEMENT AS SHOWN ON THE PLANS.

EROSION CONTROL NOTES:

1. CONTRACTOR SHALL INSTALL AND MAINTAIN SCE THROUGHOUT PROJECT. PRIOR TO BASE INSTALLATION IN THIS AREA, REMOVE ROCK ENTRANCE AND PLACE BASE. SITE SHOULD BE PAVED AS SOON AS PRACTICALLY POSSIBLE.
2. SEE SEEDING FOR EROSION CONTROL, SHEET 2 AND FOR EROSION CONTROL DETAILS SEE SHEET 13
3. LOCATION OF CONTROLS IS SHOWN FOR SCHEMATIC REPRESENTATION ONLY. CONTRACTOR IS RESPONSIBLE FOR INSTALLING FENCE WITHIN PROJECT SITE AND AT EFFECTIVE LOCATIONS.
4. ANY DISTURBED AREAS ARE TO BE REVEGETATED.

REFERENCE NOTES:

1. FOR DRAINAGE CALCULATIONS, SEE SHEET 6.
2. FOR DETAILED GRADING, SEE SHEET 7.

FILE NAME:

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REVISED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED CO's TO REFLECT TRUE VERTICAL DATUM	HAS	12/29/23
3	REFLECT 3 7'X3' BOX CULVERTS/CARY JOHNSON PKWY AS INSTALLED	ARE/CCG	12/9/24

HUGO E. ELIZONDO, JR. 97181 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS 12/10/24

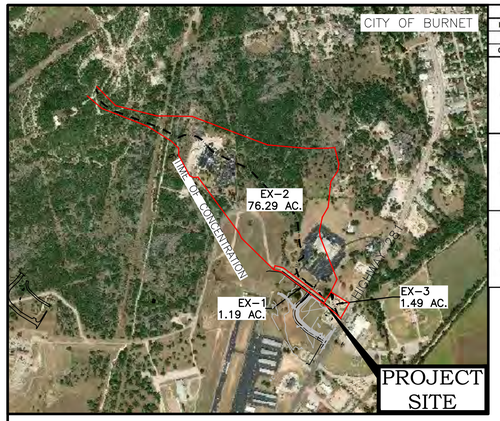
EQUATRO Consultants, LTD.
Registration No. F-3924
120 Riverwalk Drive, Suite 108 Phone: (512) 512-8740
San Marcos, Texas 78666 e-mail: control@equatroconsultants.com

EROSION CONTROL PLAN

HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

OWNER:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	EROSION CONTROL
DESIGN: CDE	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	4 OF 19



OFFSITE DRAINAGE AREA MAP

SCALE: 1" = 1,000'

DRAINAGE NOTES:

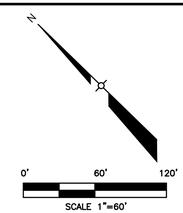
1. A PORTION OF THIS TRACT IS WITHIN A DESIGNATED FLOOD HAZARD AREA AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP.
2. COEFFICIENT OF RUNOFF FOR PERVIOUS COVER RUNOFF C IS FOR PASTURE/RANGE, STEEP (OVER 7% SLOPE LAND).

EXISTING HOUSTON CLINTON DRIVE

POINT OF CONC.	BASIN	ADD'L BASIN	AREA <Acres> A	Impervious Cover	Runoff Coefficient C1	Runoff Coefficient C2	Runoff Coefficient C	Sheet flow L (ft)	Sheet flow n input	Sheet flow *n	Sheet flow P2	Sheet flow S	Sheet flow $T_{t(sheet)}$	Shallow Concentrated Flow L	Shallow Concentrated Flow S	Shallow Concentrated Flow $T_{t(Shallow Conc)}$	Channel flow calculation varies per development L	A	P	R	S	n	V	$T_{t(channel)}$	TOTAL TC min.	Intensity	DISCHARGE Q <cfs>	TIME <yrs.>
EX-1	EX-1	-	1.19	44%	0.73	0.37	0.53	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33	0							0.00	5.00	5.88	3.70	2-yr
			1.19	44%	0.77	0.40	0.56	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33								0.00	5.00	6.94	4.65	5-yr
			1.19	44%	0.81	0.42	0.59	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33								0.00	5.00	7.75	5.46	10-yr
			1.19	44%	0.86	0.46	0.64	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33								0.00	5.00	8.79	6.65	25-yr
			1.19	44%	0.90	0.49	0.67	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33								0.00	5.00	9.56	7.63	50-yr
			1.19	44%	0.95	0.53	0.71	100	Asphalt	0.02	3.68	3.25%	0.21	669	1.79%	1.33								0.00	5.00	10.38	8.83	100-yr
EX-2	EX-2	-	76.29	15%	0.73	0.37	0.42	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	3.16	102.08	2-yr
			76.29	15%	0.77	0.40	0.46	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	3.82	132.86	5-yr
			76.29	15%	0.81	0.42	0.48	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	4.34	158.30	10-yr
			76.29	15%	0.86	0.46	0.52	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	5.00	198.27	25-yr
			76.29	15%	0.90	0.49	0.55	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	5.49	230.87	50-yr
			76.29	15%	0.95	0.53	0.59	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	6.00	271.64	100-yr
EX-3	EX-3	-	1.49	92%	0.73	0.33	0.70	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56	0							0.00	5.00	5.88	6.12	2-yr
			1.49	92%	0.77	0.36	0.74	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	6.94	7.62	5-yr
			1.49	92%	0.81	0.38	0.78	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	7.75	8.96	10-yr
			1.49	92%	0.86	0.42	0.82	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	8.79	10.80	25-yr
			1.49	92%	0.90	0.45	0.86	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	9.56	12.31	50-yr
			1.49	92%	0.95	0.49	0.91	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	10.38	14.13	100-yr

NOTES:

1. FOR PROPOSED DRAINAGE CONDITIONS. SEE MASTER DRAINAGE PLAN, SHT.6



LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		EASEMENT BOUNDARY
915	918	CONTOURS
		LOT LINE
		CENTER LINE OF DITCH
OHE	OHE	OVER HEAD ELECTRIC
OHT	OHT	OVER HEAD TELEPHONE
		POWER POLE
		GUY WIRE
SS	SS	STORM SEWER
		CMP/ RCP PIPES
GAS	GAS	GAS LINE
		PAVEMENT
		CONCRETE
		CHAIN LINK FENCE
		WOOD FENCE
		BARB WIRE FENCE
		FIRE LANE
		5' SIDEWALK/CLEAR ZONE
		7' PLANTING ZONE
		AWNING AREA
		ADA ACCESSIBLE ROUTE
		PHASING LINE
		OFFSITE DRAINAGE BOUNDARY
		ON-SITE DRAINAGE BOUNDARY
		DRAINAGE FLOW DIRECTION
		EXISTING DRAINAGE BOUNDARY
		PROPOSED DRAINAGE EASEMENT
	1.00 AC	DRAINAGE AREA
	1	POINT OF CONCENTRATION
		EXISTING TIME OF CONCENTRATION
		FLOODPLAIN BOUNDARY

REVISION	DESCRIPTION	BY:	DATE
1	ADDED RIBBON CURB AT U.S. "281" AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2		HAS	10/20/22
3	UPDATED "50" TO REFLECT TRUE VERTICAL DATUM	AME/COG	12/6/24
4	REVISED "4 X 50" BOX CULVERTS ON CARY JOHNSON PKWY AS INSTALLED.		

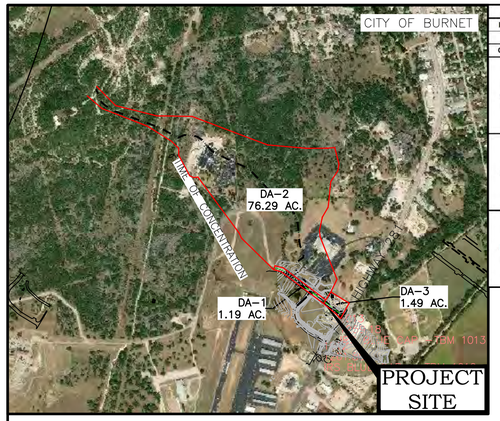
4QUATRO Consultants, LTD.
Registration No. F-3524
120 Riverwalk Drive, Suite 108 Phone: (512) 312-8740
San Marcos, Texas 78666 e-mail: cuatro@cuatroconsultants.com

EXISTING DRAINAGE CONDITIONS

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	EXISTING DRAINAGE
DESIGN: CDE	CHECKED: HE.jr.
DRAWN: CDE	APPROVED: HE.jr.
SHEET:	5 OF 19



OFFSITE DRAINAGE AREA MAP

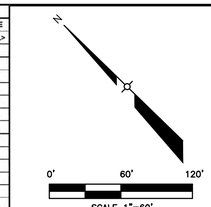
SCALE: 1" = 1,000'

DRAINAGE NOTES:

1. A PORTION OF THIS TRACT IS WITHIN A DESIGNATED FLOOD HAZARD AREA AS SHOWN ON THE F.E.M.A. FLOOD INSURANCE RATE MAP.
2. COEFFICIENT OF RUNOFF FOR PERVIOUS COVER RUNOFF C IS FOR PASTURE/RANGE, STEEP (OVER 7% SLOPE LAND).

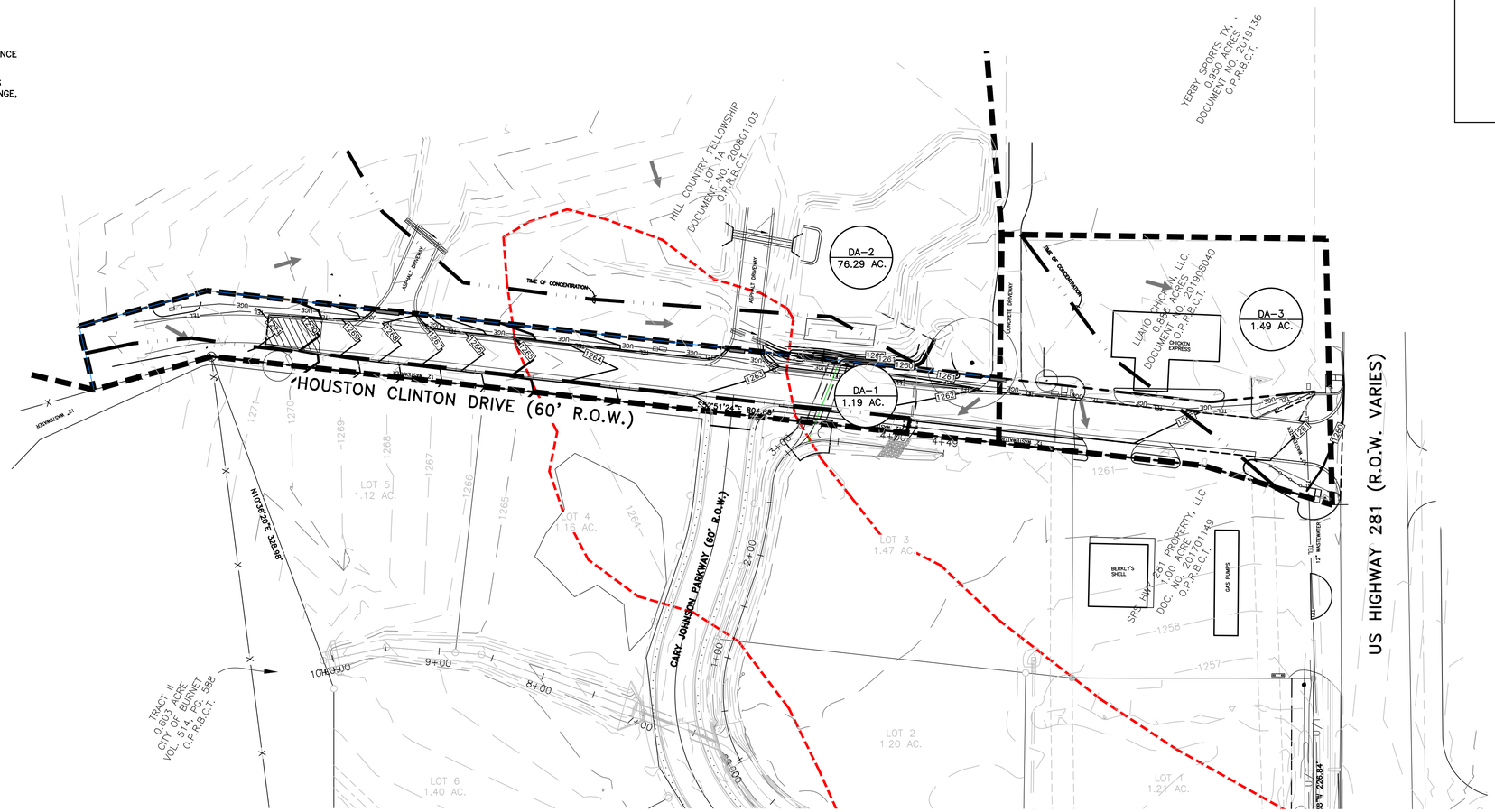
DEVELOPED HOUSTON CLINTON DRIVE

POINT OF CONC.	BASIN	ADD'L BASIN	AREA <Acres> A	Impervious Cover	Runoff Coefficient C1	Runoff Coefficient C2	Runoff Coefficient C	Sheet flow L (ft)	Sheet flow n input	Sheet flow *n	Sheet flow P2	Sheet flow S	Sheet flow $T_{t(sheet)}$	Shallow Concentrated Flow L	Shallow Concentrated Flow S	Shallow Concentrated Flow $T_{t(shallow\ Conc)}$	Channel flow calculation varies per development L	A	P	R	S	n	V	$T_{t(channel)}$	TOTAL TC min.	Intensity	DISCHARGE Q <cfs>	TIME <yrs.>
DA-1	DA-1	-	1.19	82%	0.73	0.37	0.67	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38	0							0.00	5.00	5.88	4.66	2-yr
			1.19	82%	0.77	0.40	0.70	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38								0.00	5.00	6.94	5.81	5-yr
			1.19	82%	0.81	0.42	0.74	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38								0.00	5.00	7.75	6.83	10-yr
			1.19	82%	0.86	0.46	0.79	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38								0.00	5.00	8.79	8.24	25-yr
			1.19	82%	0.90	0.49	0.83	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38								0.00	5.00	9.56	9.40	50-yr
			1.19	82%	0.95	0.53	0.87	100	Asphalt	0.02	3.68	3.25%	0.21	684	1.75%	1.38								0.00	5.00	10.38	10.80	100-yr
DA-2	DA-2	-	76.29	30%	0.73	0.37	0.48	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	3.16	115.08	2-yr
			76.29	30%	0.77	0.40	0.51	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	3.82	149.05	5-yr
			76.29	30%	0.81	0.42	0.54	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	4.34	177.65	10-yr
			76.29	30%	0.86	0.46	0.58	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	5.00	221.14	25-yr
			76.29	30%	0.90	0.49	0.61	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	5.49	256.62	50-yr
			76.29	30%	0.95	0.53	0.66	100	Dense grasses 2	0.24	3.68	12.50%	1.62	1000	9.52%	12.96	3701	42.50	101	0.42	4.90%	0.040	4.63	13.32	27.90	6.00	300.50	100-yr
DA-3	DA-3	-	1.49	95%	0.73	0.33	0.71	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56	0							0.00	5.00	5.88	6.22	2-yr
			1.49	95%	0.77	0.36	0.75	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	6.94	7.75	5-yr
			1.49	95%	0.81	0.38	0.79	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	7.75	9.11	10-yr
			1.49	95%	0.86	0.42	0.84	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	8.79	10.98	25-yr
			1.49	95%	0.90	0.45	0.88	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	9.56	12.50	50-yr
			1.49	95%	0.95	0.49	0.93	100	Concrete (rough or sm	0.02	3.68	1.50%	0.29	233	1.10%	0.56								0.00	5.00	10.38	14.34	100-yr



LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE
		EASEMENT ENT BOUNDARY
915	918	CONTOURS
		LOT LINE
		CENTER LINE OF DITCH
OHE	OHE	OVER HEAD ELECTRIC
OHT	OHT	OVER HEAD TELEPHONE
		POWER POLE
		GUY WIRE
SS	SS	STORM SEWER
		CMP/ RCP PIPES
GAS	GAS	GAS LINE
		PAVEMENT
		CONCRETE
		CHAIN LINK FENCE
		WOOD FENCE
		BARB WIRE FENCE
		FIRE LANE
		5' SIDEWALK/CLEAR ZONE
		7' PLANTING ZONE
		AWNING AREA
		ADA ACCESSIBLE ROUTE
		PHASING LINE
		OFFSITE DRAINAGE BOUNDARY
		ON-SITE DRAINAGE BOUNDARY
		DRAINAGE FLOW DIRECTION
		EXISTING DRAINAGE BOUNDARY
		PROPOSED DRAINAGE EASEMENT
	1.00 AC	DRAINAGE AREA
	1	POINT OF CONCENTRATION
		EXISTING TIME OF CONCENTRATION
		FLOODPLAIN BOUNDARY



DATE:	BY:	DESCRIPTION
5/19/22	RA	ADDED BRIDGE CURB AT U.S. 281, AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST
11/22/22	HAS	UPDATED CD'S TO REFLECT TRUE VERTICAL DATUM
12/6/24	AME/CCG	REPLACE 3 8'x3' RCP CULVERTS CARY JOHNSON PKWY AS INSTALLED

REVISION

4QUATRO Consultants, LTD.
Registration No. F-3524
120 Renwick Drive, Suite 108 Phone: (512) 312-8300
San Marcos, Texas 78666 e-mail: cortes@quatroconsultants.com

HECTOR E. JUZWENKO 93780 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS

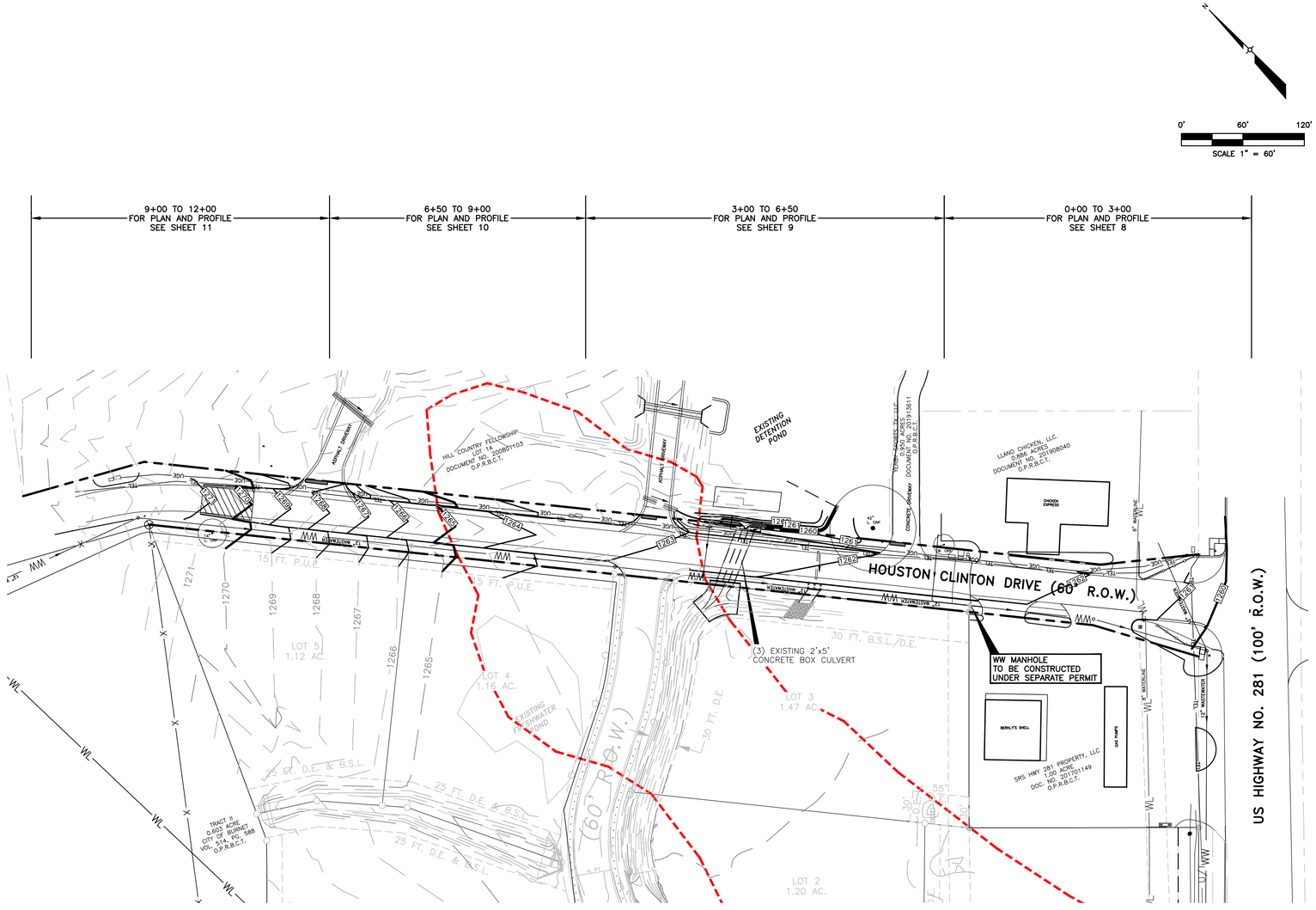
12/6/24

MASTER DRAINAGE PLAN

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20–232
DRAWING'S NAME:	MASTER DRAINAGE
DESIGN: CDE	CHECKED: HE.jr.
DRAWN: CDE	APPROVED: HE.jr.
SHEET:	6 OF 19



LEGEND			LEGEND		
EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		PROPERTY LINE	FOC	FOC	FIBER OPTIC CABLE
		EASEMENT BOUNDARY	GAS	GAS	GAS LINE
915	915	CONTOURS			PAVEMENT
		LOT LINE			CONCRETE
		CENTER LINE OF DITCH	L.P.	L.P.	LIGHT POLE
TEL	TEL	TELEPHONE LINE			CHAIN LINK FENCE
W	W	WATER LINE			WOOD FENCE
		WATER VALVE			BARB WIRE FENCE
		FIRE HYDRANT			TRAFFIC FLOW
		WATER METER			HANDICAP SPACE
WW	WW	WASTEWATER LINE			FIRE LANE
FM	FM	FORCE MAIN			5' SIDEWALK/CLEAR ZONE
		WASTEWATER MANHOLE			3' PLANTING ZONE
C.O.	C.O.	WASTEWATER CLEANOUT			AWNING AREA
		WASTEWATER SERVICE			ADA ACCESSIBLE ROUTE
		FLUSH VALVE			PHASING LINE
		AIR RELEASE VALVE		1	PHASING NUMBER
OHE	OHE	OVER HEAD ELECTRIC			
OHT	OHT	OVER HEAD TELEPHONE			
		POWER POLE			
		GUY WIRE			
SS					
		CMP/ RCP/ HDPE PIPES			
ATT	ATT	AT&T LINE	749.50 E	749.50	SPOT ELEVATIONS
				749.50 G	GUTTER ELEVATION
				749.50 TC	TOP OF CURB ELEVATION
				749.50 TW	TOP OF WALL ELEVATION

A–PAVEMENT AREAS

- SITE PREPARATION:

IN AREAS WHERE PAVEMENTS ARE TO BE CONSTRUCTED, VEGETATION AND ALL LOOSE OR ORGANIC MATERIAL SHALL BE STRIPPED AND REMOVED FROM THE SITE. SUBSEQUENT TO STRIPPING OPERATIONS, THE SUBGRADE SHOULD BE PROOF–ROLLED WITH HEAVY SHEEP'S–FOOT ROLLER COMPACTOR A MINIMUM OF 3–PASSES TO IDENTIFY SOFT ZONES. ANY SOFT ZONE DETECTED SHALL BE REMOVED TO A FIRM SUBGRADE SOIL AND REPLACED WITH COMPACTED SUITABLE SOILS TO REACH SUBGRADE LEVEL. UPON THE ACCEPTANCE OF PROOF–ROLLING OPERATIONS, THE SUBGRADE SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES, MOISTURE CONDITIONED AND COMPACTED TO A 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D 698, BETWEEN OPTIMUM AND 3 PERCENTAGE POINTS ABOVE OF THE OPTIMUM MOISTURE CONTENT. THE EXPOSED SUBGRADE SHALL NOT BE ALLOWED TO DRY OUT PRIOR TO PLACING STRUCTURAL FILL.

SUBGRADE PREPARATION:

A. STRIP AND REMOVE FROM CONSTRUCTION AREA ANY TOP SOIL, ORGANICS AND VEGETATION TO A MINIMUM DEPTH OF 6 INCHES BELOW THE EXISTING NATURAL GROUND SURFACE.

B. COMPACTION OF CUT AREAS, ON–GRADE AREAS, AND FILL SECTIONS SHOULD BE TO 95 PERCENT OF TXDOT TEX–114–E. COMPACTION SHOULD BE PERFORMED WITH THE MOISTURE CONTENT OF THE SOIL ADJUSTED TO WITHIN 3 PERCENT OF OPTIMUM MOISTURE CONTENT UNLESS EXPOSED LIMESTONE IS ENCOUNTERED OR SUSPECTED. IF EXPOSED LIMESTONE IS SUSPECTED THE GEOTECHNICAL ENGINEER SHOULD BE NOTIFIED TO PROVIDE A FIELD CONFIRMATION.

REFERENCE NOTES:

1. FOR EROSION CONTROL PLAN, SEE SHEET 4.
2. FOR STORM PLAN AND PROFILE, SEE SHEET 12.

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U/S "281" AND REPLACED BOX CULVERTS WITH RCP PER DRY'S REVISED	RA	5/19/22
2	UPDATED CO'S TO REFLECT TRUE VERTICAL DATUM	HAS	11/22/22
3	REVISED 3 3'X2' BOX CULVERTS/CMP JOHNSON PKWY AS INSTALLED	AME/CCG	12/6/24

QUATRO Consultants, LTD.
Registration No. F-3924
1129 Barnett Drive, Suite 108 Phone: (512) 312-5740
San Marcos, Texas 78666 e-mail: contact@quatroconsultants.com

OVERALL GRADING PLAN

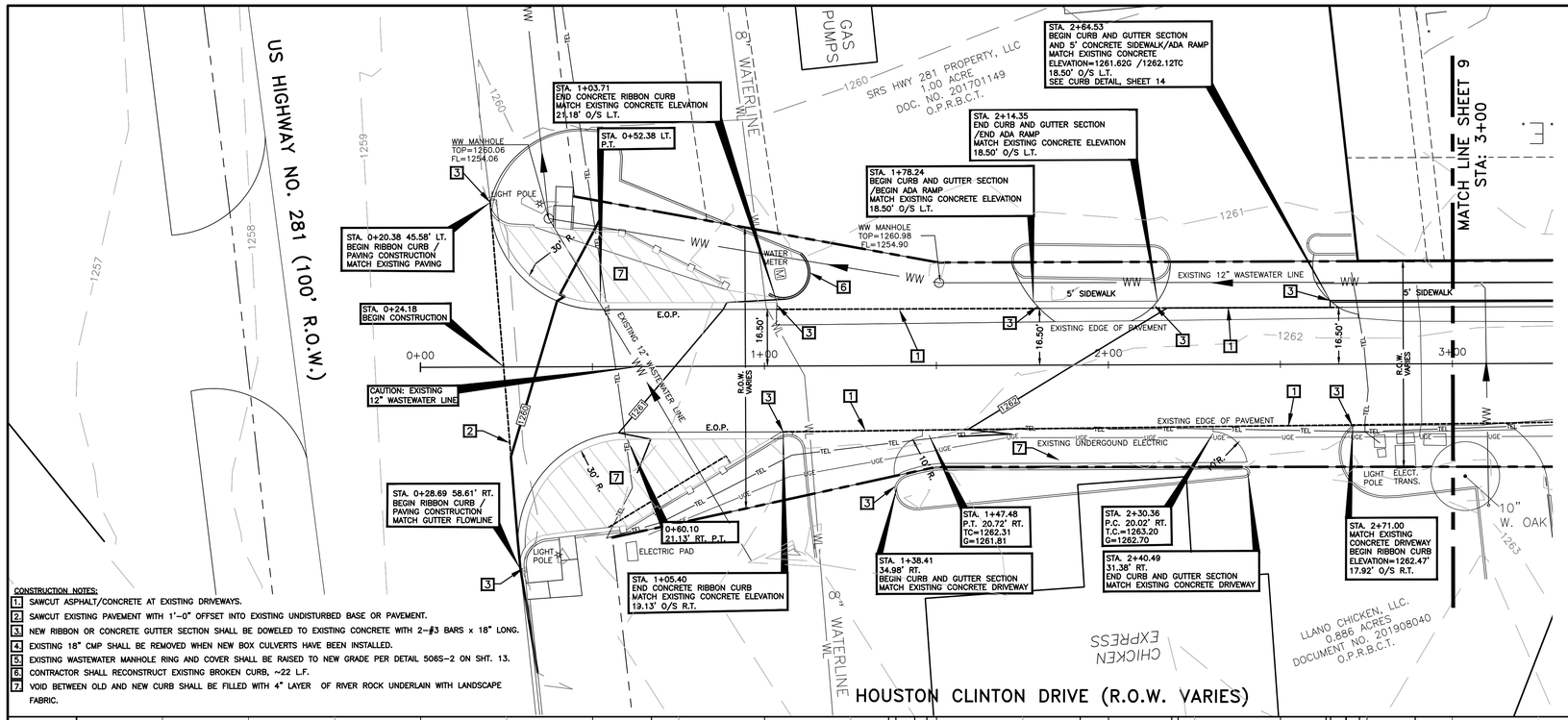
HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

OWNER:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20–232
DRAWING'S NAME:	GRADING PLAN
DESIGN: HE.jr.	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	7 OF 19

PLOTTING DATE:

FILE NAME:



CONSTRUCTION NOTES:

1. SAWCUT ASPHALT/CONCRETE AT EXISTING DRIVEWAYS.
2. SAWCUT EXISTING PAVEMENT WITH 1'-0" OFFSET INTO EXISTING UNDISTURBED BASE OR PAVEMENT.
3. NEW RIBBON OR CONCRETE GUTTER SECTION SHALL BE DOWELED TO EXISTING CONCRETE WITH 2-#3 BARS x 18" LONG.
4. EXISTING 18" CMP SHALL BE REMOVED WHEN NEW BOX CULVERTS HAVE BEEN INSTALLED.
5. EXISTING WASTEWATER MANHOLE RING AND COVER SHALL BE RAISED TO NEW GRADE PER DETAIL 506S-2 ON SHT. 13.
6. CONTRACTOR SHALL RECONSTRUCT EXISTING BROKEN CURB, ~22 L.F.
7. VOID BETWEEN OLD AND NEW CURB SHALL BE FILLED WITH 4" LAYER OF RIVER ROCK UNDERLAIN WITH LANDSCAPE FABRIC.

PLAN LEGEND

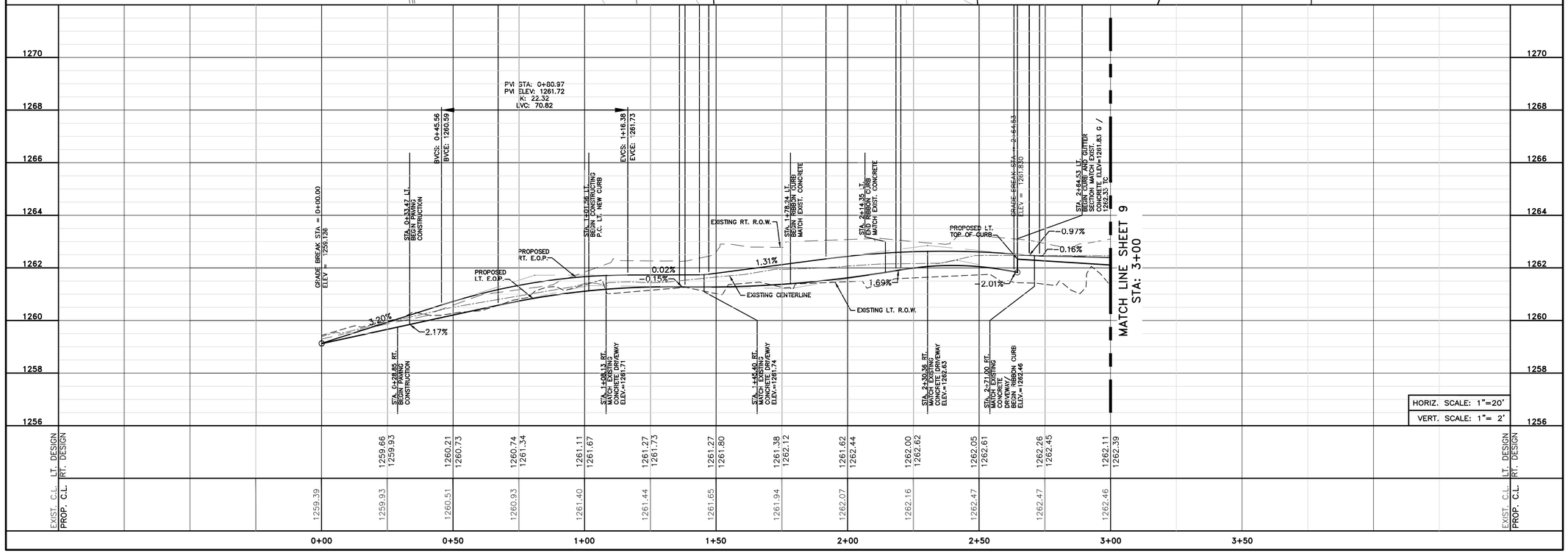
- PROPOSED ROW
- PROPOSED FACE OF CURB
- PROPOSED BACK OF CURB
- PROPOSED GUTTER
- LOT BOUNDARY
- DRAINAGE EASEMENT

REFERENCE NOTES:

1. FOR TYPICAL STREET SECTION, SEE DETAIL ON SHEET 14.

PROFILE LEGEND

- PROPOSED TOP OF CURB
- EXISTING GROUND CENTER
- EXISTING GROUND LEFT
- EXISTING GROUND RIGHT



REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT "US 281" AND CLINTON DR. INTERSECTION PER CITY'S REQUEST	RA	5/19/22
2		HAS	12/22/22
3	UPDATED CO'S TO REFLECT TRUE VERTICAL DATUM		
4	REFLECT 3 3'X2' BOX CULVERTS/CURV JOHNSON, PKWY AS INSTALLED.	HME/COG	10/8/24

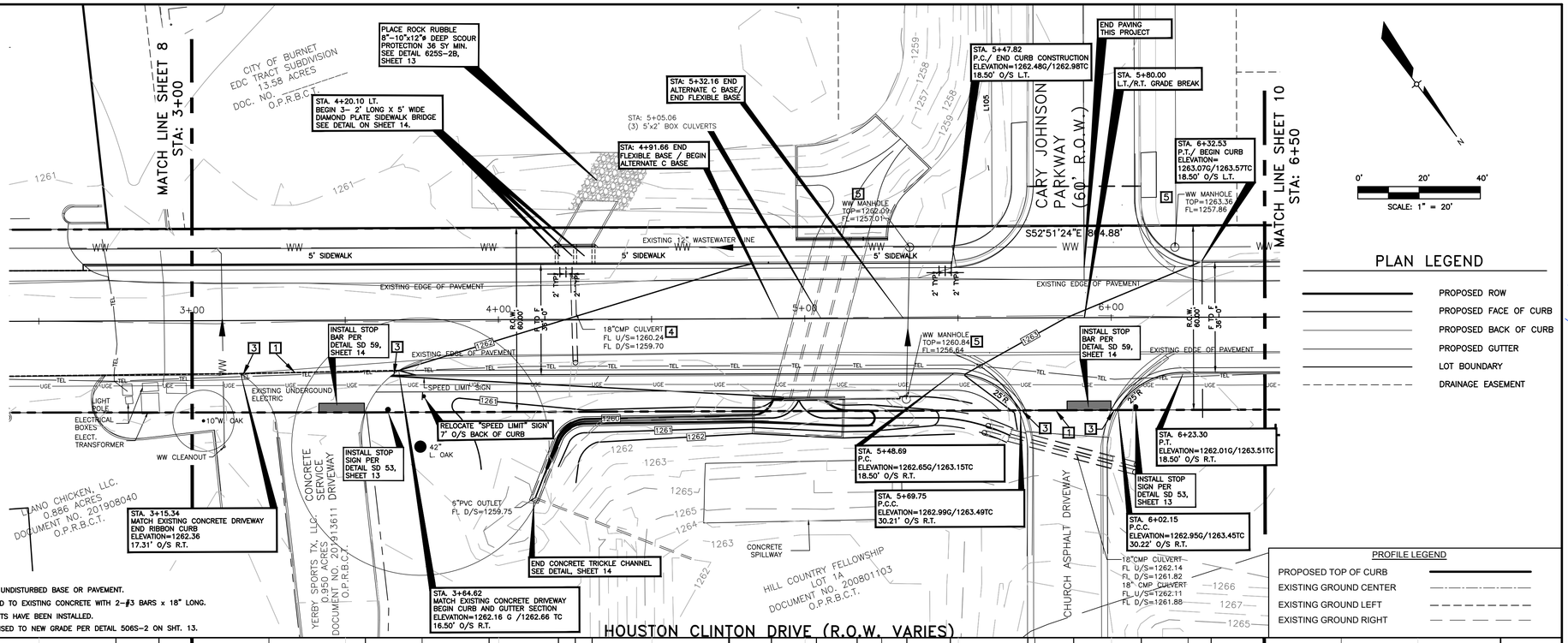
4QUATRO Consultants, LTD.
Registration No. F-3524
120 Renwall Drive, Ste. 208 Phone: (512) 512-5040
San Marcos, Texas 78666 e-mail: austin@quatroconsultants.com

HOUSTON CLINTON DR.
STATION 0+00 TO 3+00

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	HC PNP 1 OF 4
DESIGN: RA	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	8 OF 19



CONSTRUCTION NOTES:

1. SAWCUT ASPHALT/CONCRETE AT EXISTING DRIVEWAYS.
2. SAWCUT EXISTING PAVEMENT WITH 1'-0" OFFSET INTO EXISTING UNDISTURBED BASE OR PAVEMENT.
3. NEW RIBBON OR CONCRETE GUTTER SECTION SHALL BE DOWELED TO EXISTING CONCRETE WITH 2-#3 BARS x 18" LONG.
4. EXISTING 18" CMP SHALL BE REMOVED WHEN NEW BOX CULVERTS HAVE BEEN INSTALLED.
5. EXISTING WASTEWATER MANHOLE RING AND COVER SHALL BE RAISED TO NEW GRADE PER DETAIL 506S-2 ON SHT. 13.

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT LT. 2ST. AND REDACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED CO'S TO REFLECT TRUE VERTICAL DATUM	HJS	11/22/23
3	REFLECT 5'X2' BOX CULVERTS/CMP/ DRIVEWAL POINT AS INSTALLED	AME/CCG	12/6/24

4QUATRO Consultants, LTD.
Registration No. F-3524
1420 Roosevelt Drive, Ste. 208 Phone: (512) 512-5940
San Marcos, Texas 78666 e-mail: custno@austincosmultants.com

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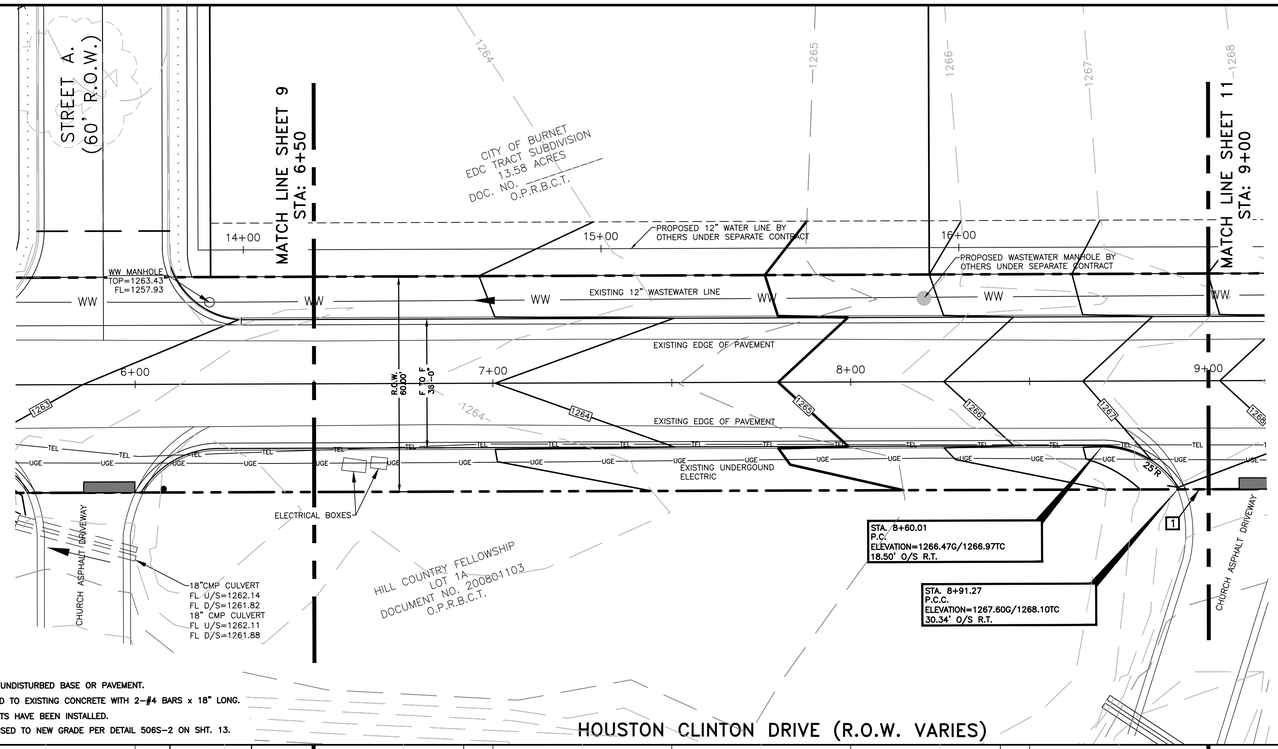
HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	HC PNP 2 OF 4
DESIGN: RA	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	9 OF 19



CONSTRUCTION NOTES:

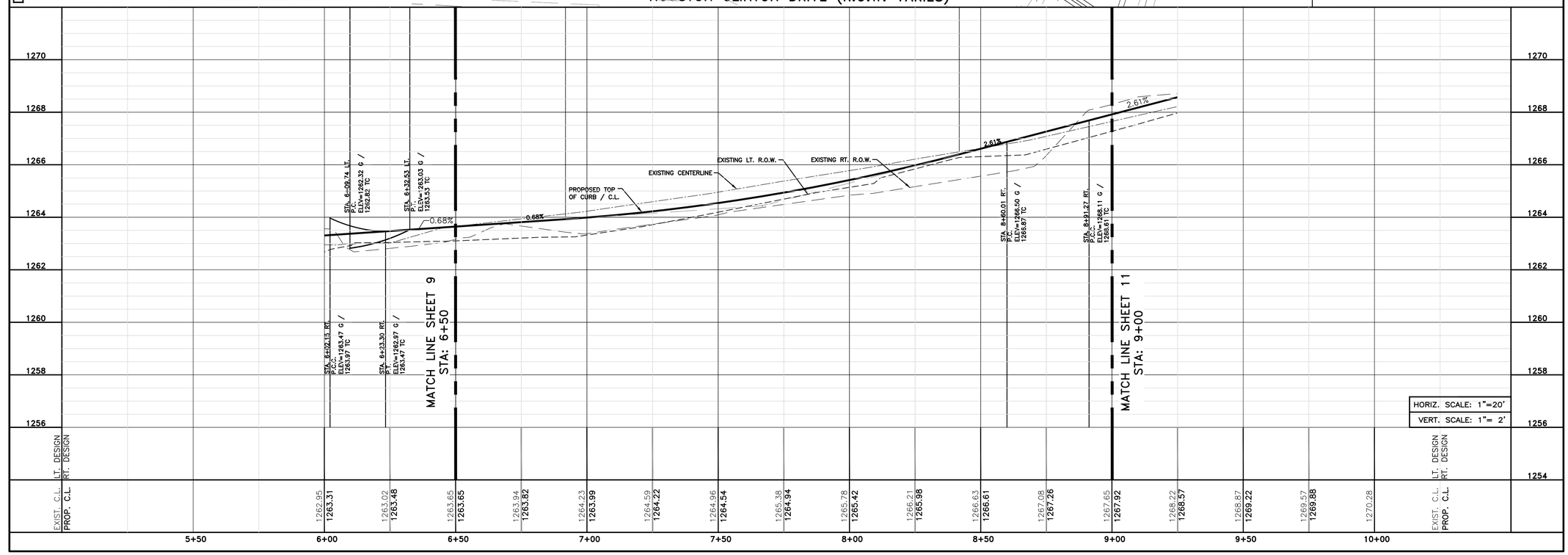
1. SAWCUT ASPHALT/CONCRETE AT EXISTING DRIVEWAYS.
2. SAWCUT EXISTING PAVEMENT WITH 1'-0" OFFSET INTO EXISTING UNDISTURBED BASE OR PAVEMENT.
3. NEW RIBBON OR CONCRETE GUTTER SECTION SHALL BE DOWELED TO EXISTING CONCRETE WITH 2-#4 BARS x 18" LONG.
4. EXISTING 18" CMP SHALL BE REMOVED WHEN NEW BOX CULVERTS HAVE BEEN INSTALLED.
5. EXISTING WASTEWATER MANHOLE RING AND COVER SHALL BE RAISED TO NEW GRADE PER DETAIL 506S-2 ON SHT. 13.

PLAN LEGEND

- PROPOSED ROW
- PROPOSED FACE OF CURB
- PROPOSED BACK OF CURB
- PROPOSED GUTTER
- LOT BOUNDARY
- DRAINAGE EASEMENT

PROFILE LEGEND

- PROPOSED TOP OF CURB
- EXISTING GROUND CENTER
- EXISTING GROUND LEFT
- EXISTING GROUND RIGHT



REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER 60'R.O.W. RELEASE	RA	5/19/22
2	UPDATED DD's TO REFLECT TRUE VERTICAL DATUM	HAS	11/23/23
3	REVISED 5 'EXCP' BOX CULVERTS/CMP JOHNSON PKWY AS INSTALLED.	AME/CGS	12/6/24

LICENSED PROFESSIONAL ENGINEER
HUGO ELIZONDO, JR.
69781
STATE OF TEXAS
12/10/24

4 QUATRO Consultants, LTD.
Registration No. F-3524
1128 Barranca Drive, Ste. 108 Phone: (512) 312-5470
San Marcos, Texas 78666 e-mail: contact@quatroconsultants.com

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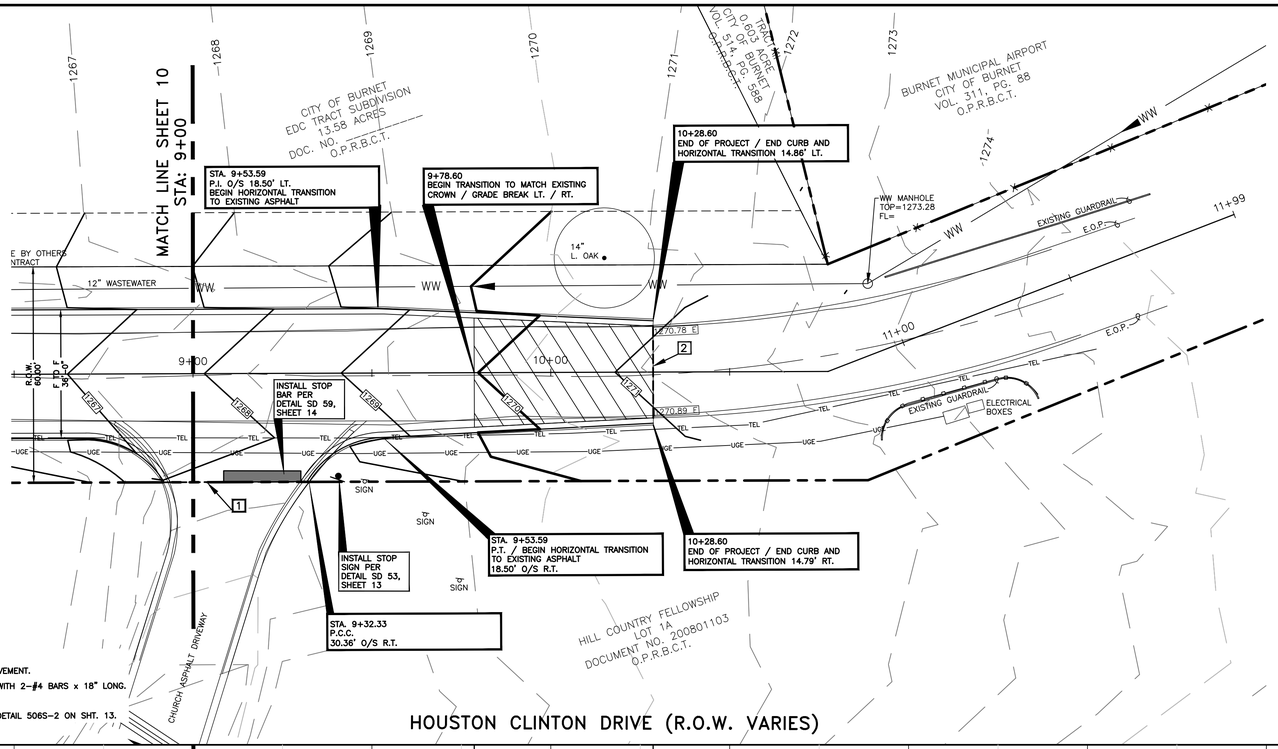
HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	HC PNP 3 OF 4
DESIGN: RA	CHECKED: HE.jr.
DRAWN: EPL	APPROVED: HE.jr.
SHEET:	10 OF 19



PLAN LEGEND

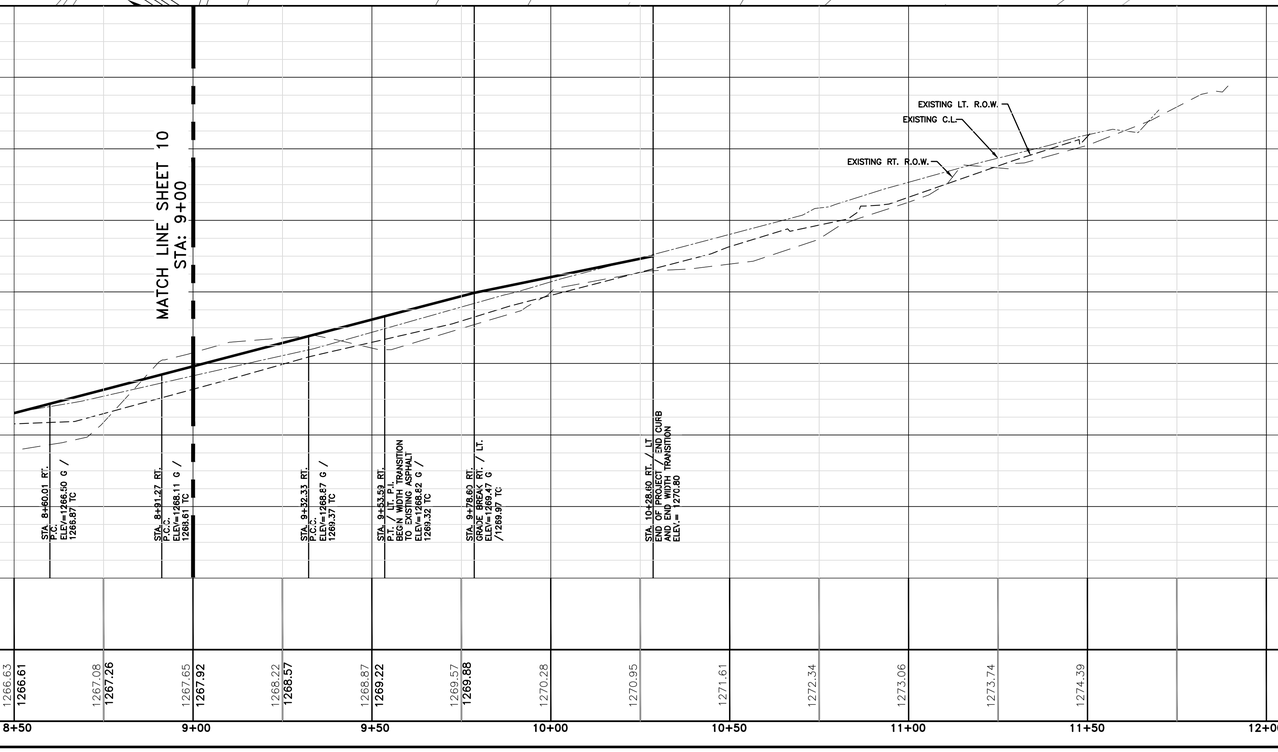
- PROPOSED ROW
- PROPOSED FACE OF CURB
- PROPOSED BACK OF CURB
- PROPOSED GUTTER
- LOT BOUNDARY
- DRAINAGE EASEMENT

CONSTRUCTION NOTES:

1. SAWCUT ASPHALT/CONCRETE AT EXISTING DRIVEWAYS.
2. SAWCUT EXISTING PAVEMENT WITH 1'-0" OFFSET INTO EXISTING UNDISTURBED BASE OR PAVEMENT.
3. NEW RIBBON OR CONCRETE GUTTER SECTION SHALL BE DOWELED TO EXISTING CONCRETE WITH 2-#4 BARS x 18" LONG.
4. EXISTING 18" CMP SHALL BE REMOVED WHEN NEW BOX CULVERTS HAVE BEEN INSTALLED.
5. EXISTING WASTEWATER MANHOLE RING AND COVER SHALL BE RAISED TO NEW GRADE PER DETAIL 506S-2 ON SHT. 13.

PROFILE LEGEND

- PROPOSED TOP OF CURB
- EXISTING GROUND CENTER
- EXISTING GROUND LEFT
- EXISTING GROUND RIGHT



REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED DO'S TO REFLECT TRUE VERTICAL DATUM	HAS	11/23/23
3	REVISED 3 5'X3' BOX CULVERTS/CMP JOHNSON PKWY AS INSTALLED	AME/CGS	12/6/24

HUGO ELIZONDO, JR. 85781 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS 12/19/24

CUATRO Consultants, LTD.
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120 Riverwalk Drive, Ste. 108 San Marcos, Texas 78666
Phone: (512) 312-8910
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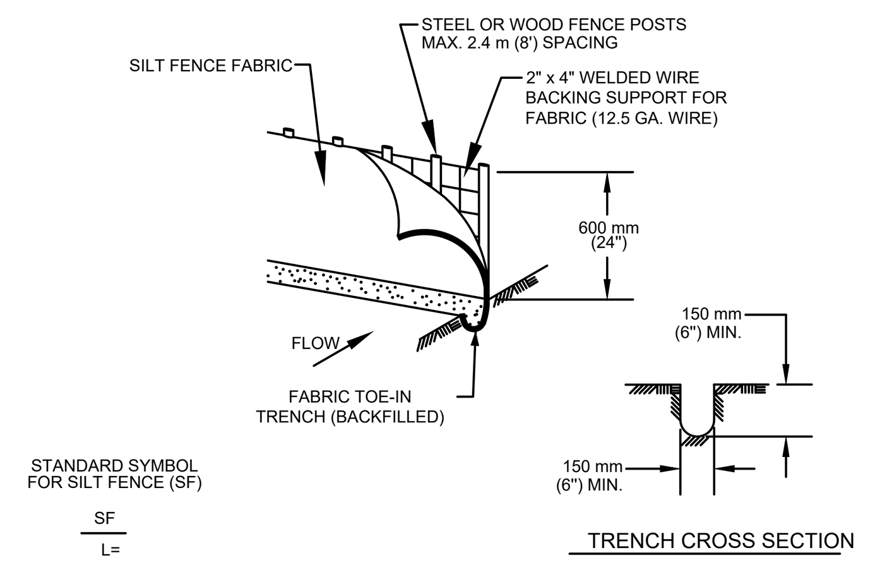
HOUSTON CLINTON DR.
STATION 9+00 TO 12+00

HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE: JUNE, 2020
PROJECT: JOB # 20-232
DRAWING'S NAME: HC PNP 4 OF 4
DESIGN: RA | CHECKED: HE.jr.
DRAWN: AC | APPROVED: HE.jr.
SHEET: **11 OF 19**



1. STEEL OR WOOD 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 300 mm (12 INCHES). IF WOOD POSTS CANNOT ACHIEVE 300 mm (12 inches) DEPTH, USE STEEL POSTS.

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.

3. THE TRENCH MUST BE A MINIMUM OF 150 mm (6 inches) DEEP AND 150 mm (6 inches) WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.

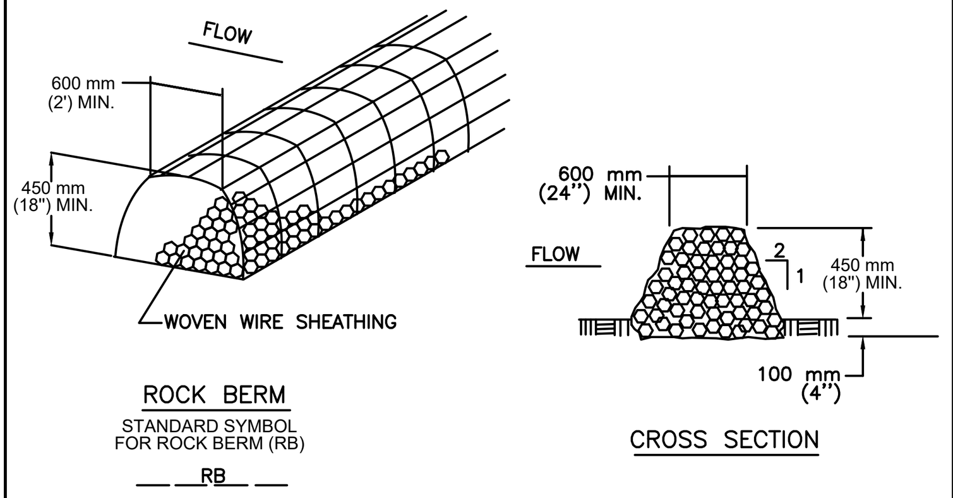
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.

5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTY 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.

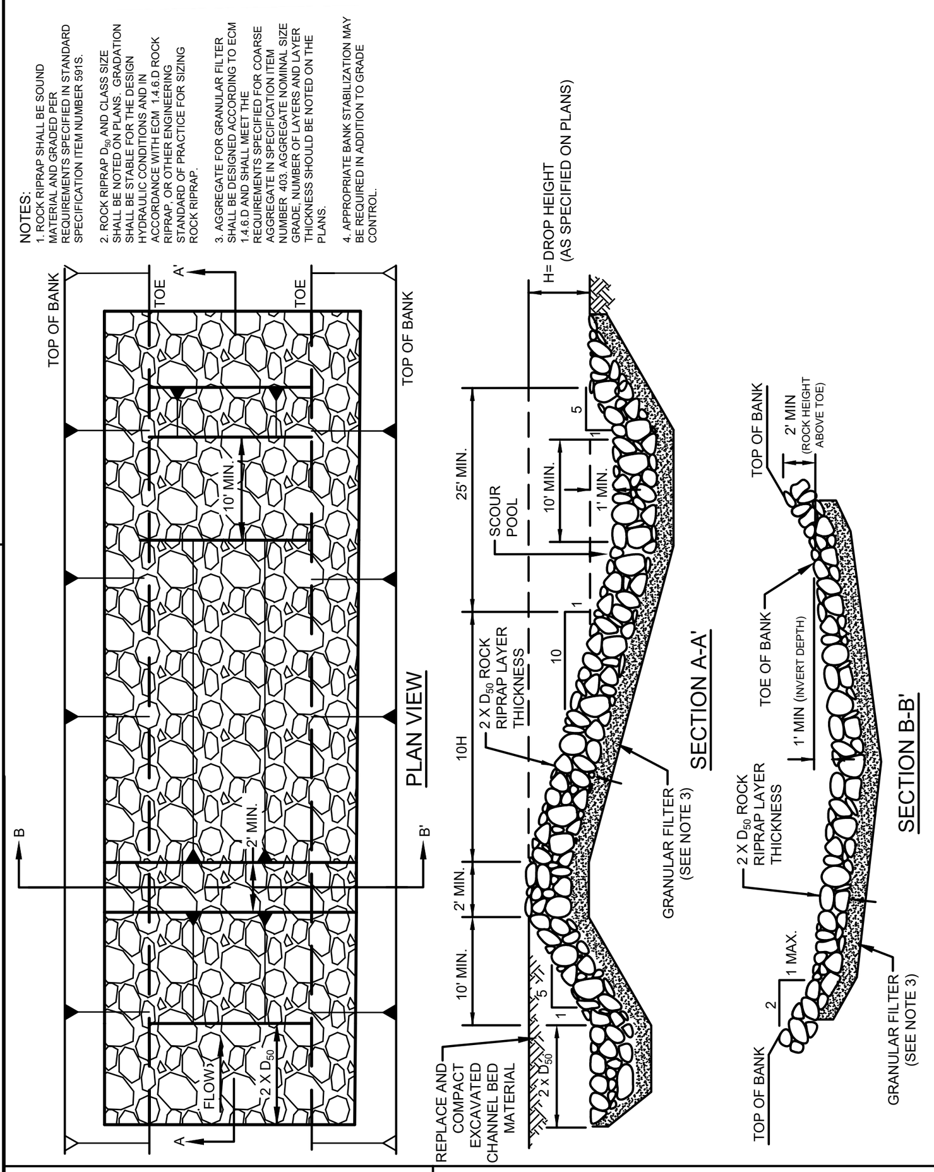
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 150 mm (6 inches). THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY OF AUSTIN — WATERSHED PROTECTION DEPARTMENT — SILT FENCE
RECORD COPY SIGNED BY MORGAN BYARS 09/01/2011 ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 642S-1

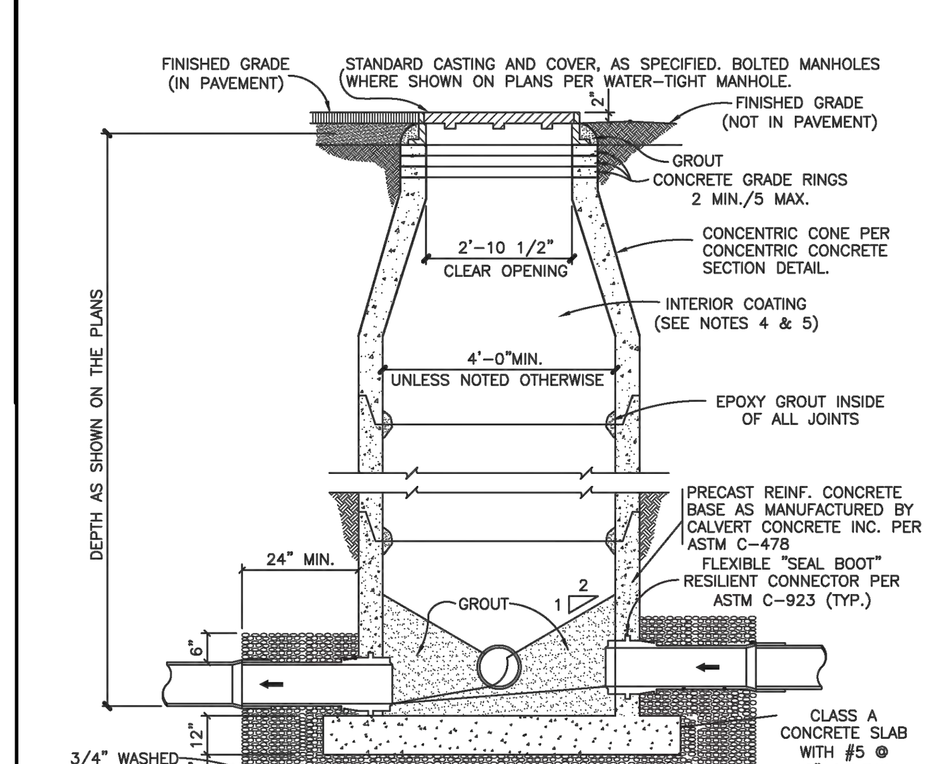


NOTES:
1. USE ONLY OPEN GRADED ROCK 75 to 125 mm (3 to 5") DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 25 mm (1") OPENING AND MINIMUM WIRE DIAMETER OF 12.9 mm (20 GAUGE).
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 150 mm (6"), WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

CITY OF AUSTIN — WATERSHED PROTECTION DEPARTMENT — ROCK BERM
RECORD COPY SIGNED BY MORGAN BYARS 8/24/2010 ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 639S-1

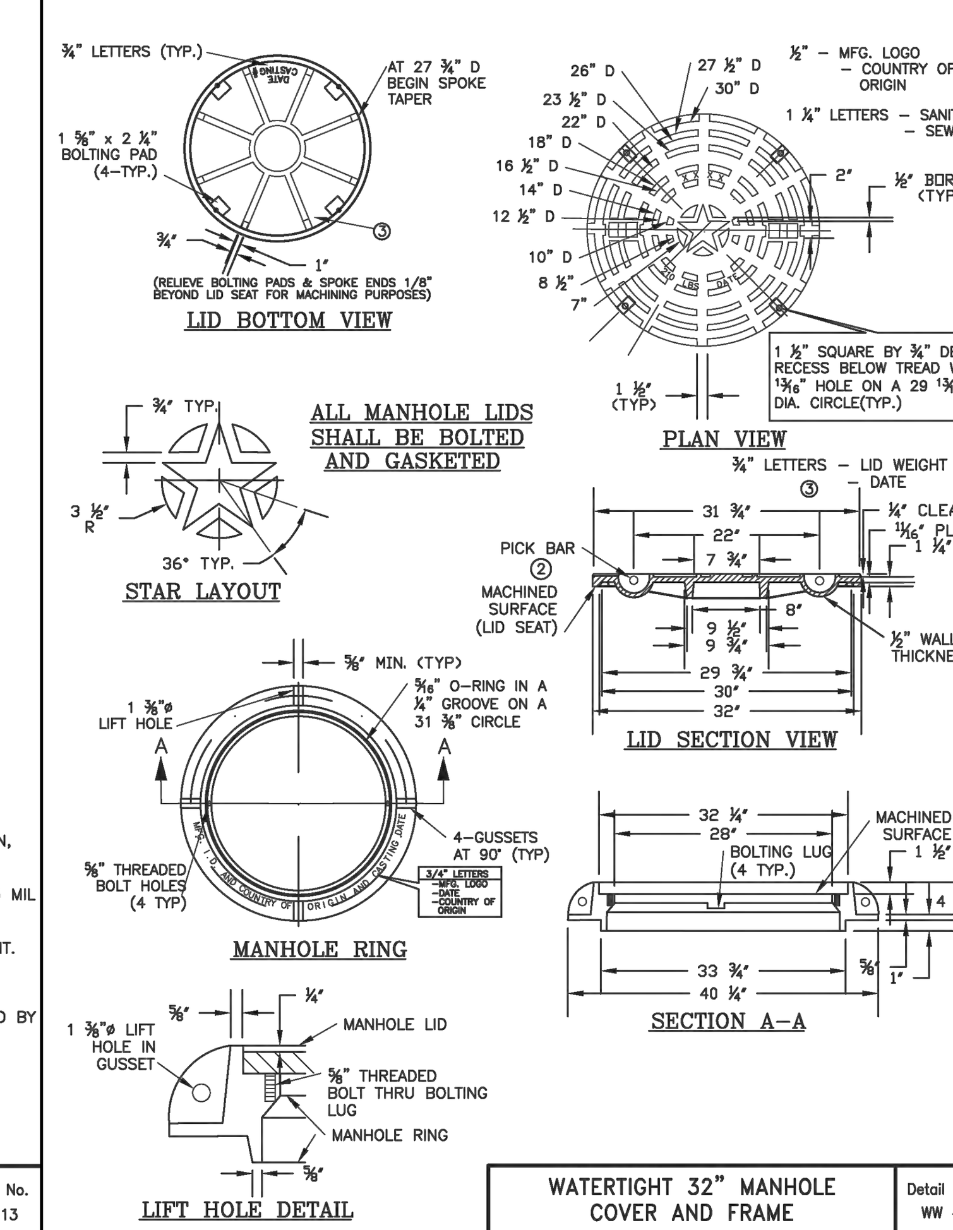


CITY OF AUSTIN — WATERSHED PROTECTION DEPARTMENT
GRADE CONTROL STRUCTURE ROCK RIFFLE WITH PREFORMED SCOUR POOL
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 625S-2.B

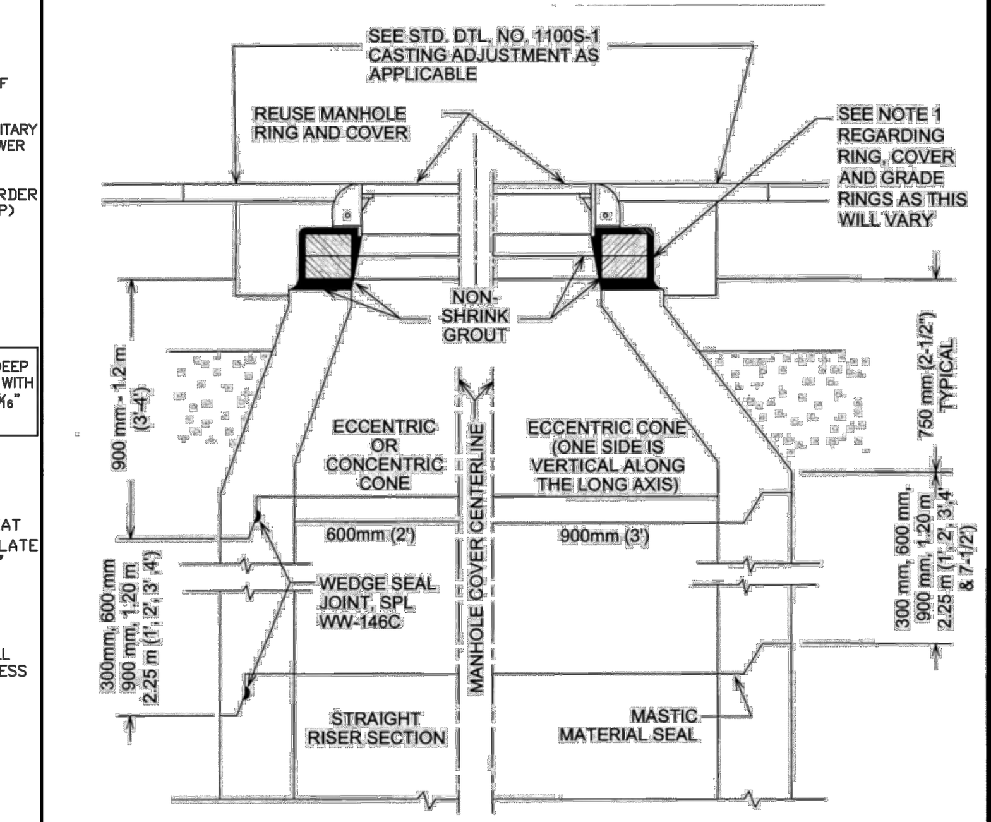


NOTES:
1. MANHOLES SHALL BE PRECAST ASTM C-478 BELL AND SPIGOT WITH "O" RING JOINTS.
2. SEE PLANS & MANHOLE SCHEDULE, FOR MANHOLE SIZE, LOCATION, CONFIGURATION, TYPE OF TOP SECTION, VENTING REQUIREMENTS, PIPE SIZE AND TYPES.
3. SEE SPECIFICATIONS ON MATERIALS AND CONSTRUCTION.
4. ENTIRE INTERIOR OF WASTEWATER MANHOLES AND UNDERSIDE OF FLAT TOPS TO BE "POLIBRID" COATED: 5 MIL DFT POLIBRID 672 PRIMER AND 75 MIL DFT POLIBRID 705 TOPCOAT.
5. AN 80 MIL COAT OF FOSROC EPOXY LINER HBS IS EQUIVALENT TO THE POLIBRID PRIMER / TOPCOAT.
6. ALL MANHOLE COVERS SHALL BE BOLTED AND GASKETED WHEN MANHOLES LOCATED OUTSIDE OF PAVEMENT.
7. MANHOLES TO BE VENTED ARE IDENTIFIED ON MANHOLE SCHEDULE. REFERENCE MANHOLE VENT DETAIL
8. MANHOLES TO BE DESIGNED TO RESIST LATERAL AND VERTICAL SOIL FORCES RESULTING FROM MANHOLE DEPTH. ADDITIONALLY, MANHOLES LOCATED IN PAVEMENT TO BE DESIGNED FOR HS-20 TRAFFIC LOADS.
9. MANHOLES LOCATED IN PAVEMENT SHALL HAVE BACKFILL COMPACTED TO 95% OF OPTIMUM AS DETERMINED BY TXDOT TEST METHOD TX114E. DENSITY REPORTS SHALL BE PROVIDED TO CITY FOR CERTIFICATION. AS AN ALTERNATIVE FLOWABLE FILL MATERIAL HAVING A STRENGTH F'c RANGING FROM 300 TO 500 PSI MAY BE USED FOR BACKFILL.

STANDARD MANHOLE - SECTION — Detail No. WW 13

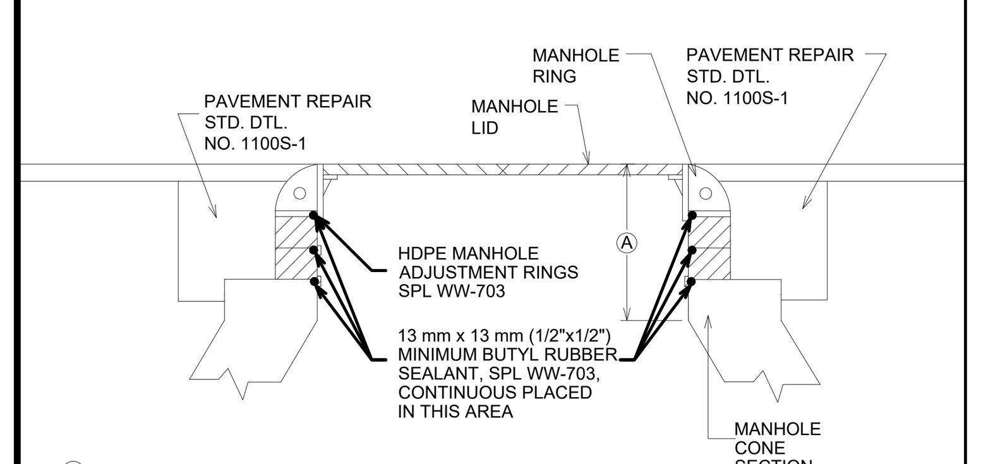


WATERTIGHT 32" MANHOLE COVER AND FRAME — Detail No. WW 46

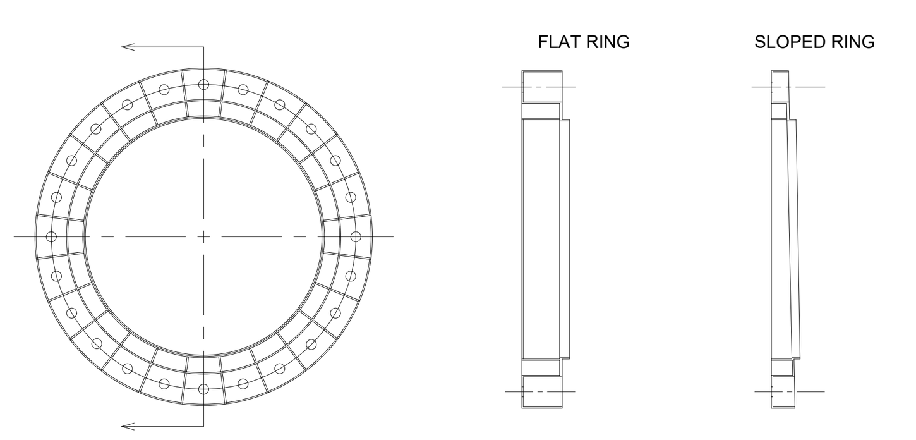


1. SEE "MINOR MANHOLE HEIGHT ADJUSTMENT" STANDARDS 506S-4 AND 506S-4A FOR ADDITIONAL INFORMATION.
2. MANHOLE SECTIONS TEMPORARILY REMOVED FOR ROADWAY CONSTRUCTION MAY BE REUSED ONLY WITH WRITTEN APPROVAL OF THE INSPECTOR. WEDGE SEALS SHALL NOT BE REUSED.
3. ANY COMBINATION OF REMOVING THE GRADE RINGS, AND/OR THE MANHOLE CONE, AND/OR THE STRAIGHT RISER SECTION OF THE MANHOLE SHALL BE ACCEPTABLE TO TEMPORARILY LOWER THE MANHOLE GRADE FOR RECONSTRUCTION.
4. WHILE THE MANHOLE IS TEMPORARILY LOWERED, A SHEET OF STEEL SUITABLE TO SUPPORT ALL IMPOSED LOADS SHALL BE USED TO COVER THE OPENING. STEEL SHALL BE PLACED SO THE SHEET WILL NOT MOVE UNDER ANY & ALL TRAFFIC CONDITIONS.
5. SUB-GRADE AND BASE MATERIALS SHALL BE COMPACTED TO 95% AND 100% DENSITIES, RESPECTIVELY. COMPACTION SHALL BE BY MECHANICAL TAMPING TO THE DENSITIES SPECIFIED, SEE STD. DTL. NO .1100S-1.

CITY OF AUSTIN — AUSTIN WATER UTILITY — MAJOR MANHOLE ADJUSTMENT
Kathi L Flowers 8-31-2011
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 506S-2

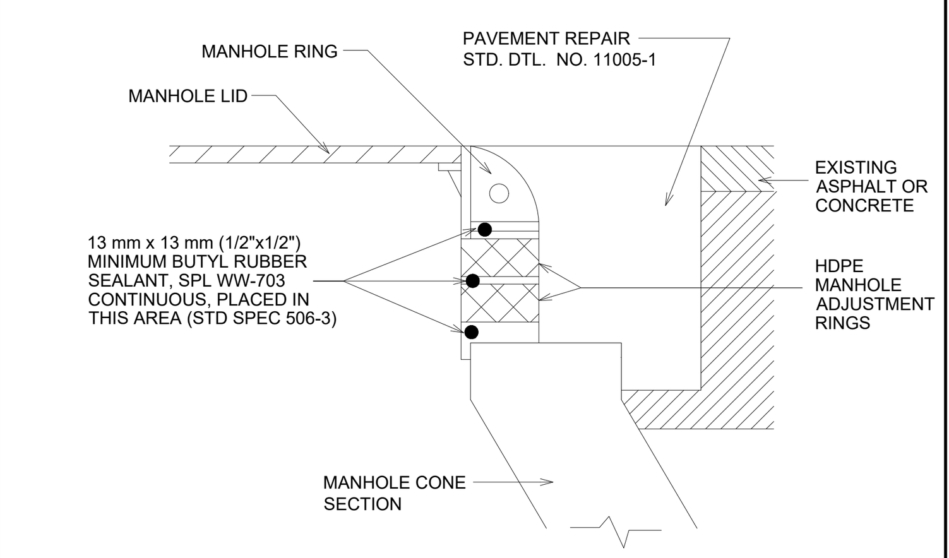


(A) VERTICAL FACE = ALLOWABLE THROAT OR CHIMNEY HEIGHT
NEW CONSTRUCTION = 525mm (21") Max.
EXISTING CONSTRUCTION = 675mm (27") Max.



NOTE:
1. HDPE RINGS ONLY IN PAVED AREAS

CITY OF AUSTIN — AUSTIN WATER UTILITY — MINOR MANHOLE HEIGHT ADJUSTMENT (HDPE RINGS)
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 506S-4A 1 OF 3

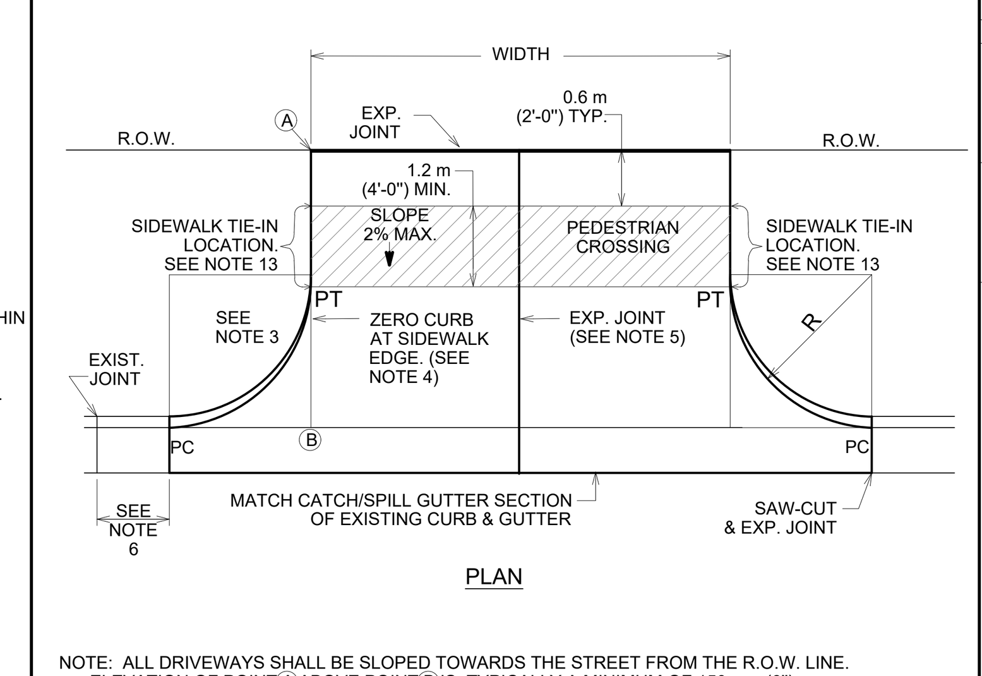


CITY OF AUSTIN — AUSTIN WATER UTILITY — MINOR MANHOLE HEIGHT ADJUSTMENT (HDPE RINGS)
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 506S-4A 2 OF 3

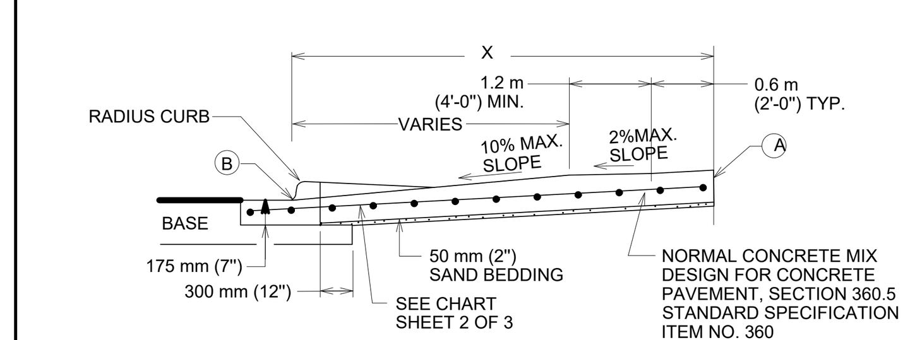
INSTALLATION INSTRUCTIONS
HDPE MANHOLE ADJUSTMENT RINGS
(FOR NEW CONSTRUCTION AND REHABILITATION)

1. REMOVE EXISTING CASTING AND RINGS OR COVER PLATE TO EXPOSE CONCRETE. MANHOLE SURFACE MUST BE CLEAN AND LEVEL ±6 mm (1/4"). NOTE: IF TOP OF CONCRETE STRUCTURE IS IN VERY POOR CONDITION OR IRREGULAR, THE FIRST RING CAN BE PRESSED FULLY INTO A HEAVY BED OF MORTAR ALLOWING IT AND SUBSEQUENT RINGS TO BE POSITIONED WITHOUT WOBBLE OR POINT-LOADING.
2. POSITION STRAIGHT AND LEVEL TO DETERMINE HEIGHT ADJUSTMENT REQUIRED. CONFIRM BEFORE PLACING RINGS.
3. COMBINE VARIOUS RING HEIGHTS, IN BOTH FLAT AND SLOPE, TO REACH DESIRED ADJUSTMENT. PLACE RINGS WITH INNER POCKET OPENING UP (OUTER POCKET OPENING WITH HOLES DOWN). THE INTERLOCKING LIP (MALE TONGUE) EXTENDS DOWN INTO THE STRUCTURE OF LOWER RING. MULTIPLE SLOPE RINGS CAN BE ADDED AND ROTATED TO ACHIEVE DESIRED GRADE MATCH WITHIN 6 mm (1/4"). NOTE: SLOPE RINGS ARE TAPERED TO PROVIDE 2% GRADE COMPENSATION. IF REQUIRED, HDPE SHIMS (MAX. 6 mm (1/2") PER RING MAY BE USED TO MATCH GRADE EXACTLY.
4. DRY STACK RINGS WITHOUT SEALANT TO ACHIEVE DESIRED VERTICAL AND SLOPE ADJUSTMENT. IF SLOPE RINGS ARE USED, MARK INNER FACE OF STOCK WITH PAINT OR MARKER TO MAINTAIN ALIGNMENT WHEN RE-STACKING.
5. REMOVE THE RINGS AND PLACE NEARBY IN UPSIDE-DOWN ORDER (THIS ALLOWS FOR EASY RE-ASSEMBLY IN THE CORRECT ORDER). APPLY A CONTINUOUS BEAD OF APPROVED RUBBER BUTYL SEALANT (SPL WW-703) TO THE FLAT SURFACE OF THE FIRST RING ON THE SIDE OF THE MALE TONGUE THAT WILL REST AGAINST THE CONE OPENING (MALE TONGUE DOWN). APPLY SEALANT TO AFFECT A SEAL BETWEEN THE INTERLOCKING LIP AND THE CONCRETE SURFACE IT RESTS ON.
6. APPLY 13 mm (1/2") CONTINUOUS BEAD OF APPROVED BUTYL RUBBER SEALANT (SPL WW-703) TO THE NEXT RING. THE SEALANT MUST BE APPLIED DIRECTLY INTO THE INTERLOCKING LIP (MALE TONGUE) AND THE BOTTOM OF THE RING, FAVORING THE SIDE OF THE LIP TO ASSURE A SEAL. PLACE THIS RING WITH THE INTERLOCKING LIP (MALE TONGUE) FACING DOWN ON TOP OF THE LOWER RING PREVIOUSLY INSTALLED. PRESS THE RING IN PLACE TO SET AND DISPERSE SEALANT. REMEMBER TO RE-ASSEMBLE THE RINGS USING ALIGNMENT MARKS TO POSITION SLOPE RING(S) CORRECTLY.
7. REPEAT #6 ON ALL PRE-ASSEMBLED RINGS TO REACH DESIRED HEIGHT AND SLOPE ADJUSTMENT.
8. APPLY 13 mm (1/2") CONTINUOUS BEAD OF APPROVED BUTYL RUBBER SEALANT (SPL WW-703), TO THE TOP OF THE UPPER RING.
9. POSITION CASTING ON RING(S). PRESS THE CASTING FRAME IN PLACE TO SET AND DISPERSE SEALANT.
10. BACKFILL TO RESTORE TO STD. DETAIL 1100S-1.
11. RING MANUFACTURER MUST BE LISTED ON SPL WW-703.
12. FOR USE IN PAVED AREAS ONLY.

CITY OF AUSTIN — AUSTIN WATER UTILITY — MINOR MANHOLE HEIGHT ADJUSTMENT (HDPE RINGS)
RECORD COPY SIGNED BY KATHI L FLOWERS 08/31/2011
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 506S-4A 3 OF 3

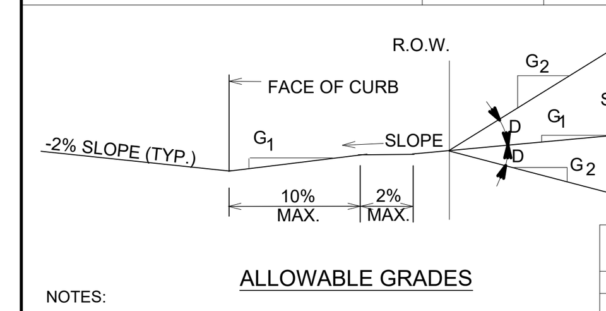


NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 150 mm (6") PLUS 20 mm/m (¼" RISE/FOOT) OVER DISTANCE "X" IN METERS (FEET).



CITY OF AUSTIN — DEPARTMENT OF PUBLIC WORKS — TYPE II DRIVEWAY
RECORD COPY SIGNED BY CUONG TRAN 02/24/10 ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 433S-2 1 OF 2

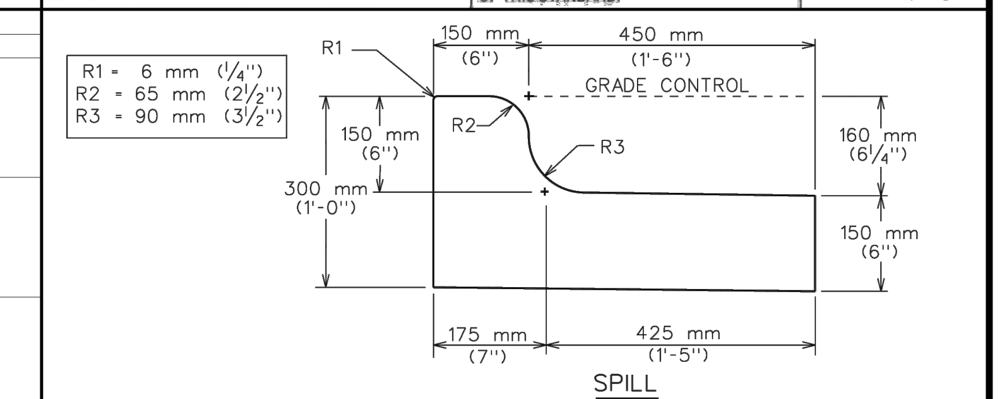
USE	THICKNESS	REINFORCEMENT
DRIVEWAYS FOR PASSENGER VEHICLE PARKING LOTS	150 mm (6") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS
ALL OTHERS	175 mm (7") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS

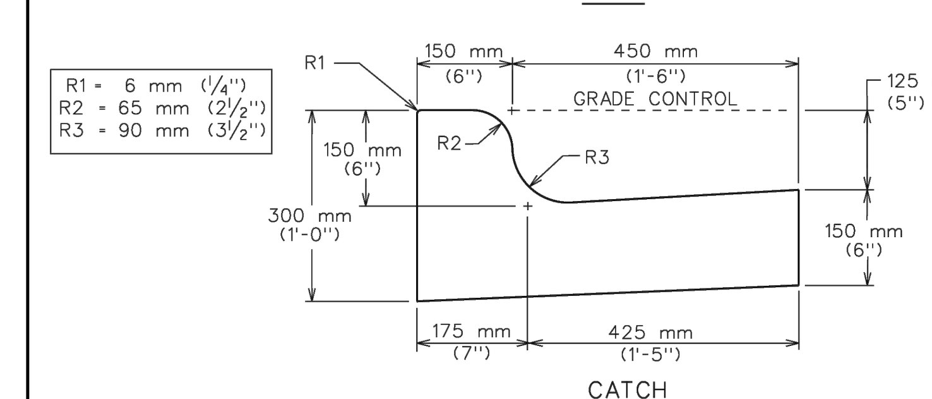


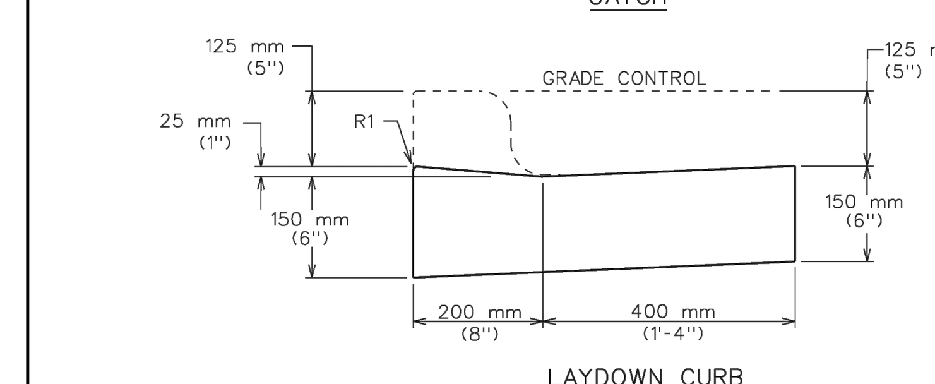
DRIVEWAY VOLUME (ADT)	D=GRADE CHANGE STD.	MAX
>1500	0%	3%
500-1500	3%	6%
< 500	6%	15%

NOTES:
1. ALL TYPE II DRIVEWAYS SHALL HAVE RADIUS ENDS.
2. DRIVEWAY WIDTHS AND RADII DIMENSIONS, ONE/TWO WAY TRAVEL REQUIREMENTS, AND GEOMETRIC LAY-OUT ARE HIGHLY VARIABLE, SUBJECT TO SITE SPECIFIC CONDITIONS AND REQUIREMENTS. SEE TRANSPORTATION CRITERIA MANUAL. SECTION 5 "DRIVEWAYS".
3. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITIONED INTO THE SIDEWALK TIE-IN LOCATION BEGINNING AT THE RADIUS PC LINE.
4. "ZERO" CURB AT PT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST.
5. PLACE AN EXPANSION JOINT DOWN THE CENTER OF DRIVEWAY ALL DRIVEWAYS.
6. IF DIMENSION IS LESS THAN 1.5 METERS (5 FEET), REMOVE CURB AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY.
7. IF THE BASE IS OVER-EXCAVATED WHERE THE CURB AND GUTTER WERE REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
8. TYPE II DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHT OF WAY THAN 60% OF PARCEL FRONTAGE AT 30 METERS (100 FEET): WHICHEVER IS LESS.
9. DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
10. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHALL BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2 IS GREATER THAN 15%.
11. USE 12 MM (1/2") ASPHALT BOARD OR OTHER APPROVED MATERIAL FOR CURB AND GUTTER EXPANSION JOINTS. SIDEWALK, AT THE R.O.W. LINE AND AT MIDWIDTH, SEE NOTE 5.
12. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 FOR OTHER DRIVEWAY REQUIREMENTS.
13. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURB OR PROPERTY LINE, SHALL BE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS.
14. WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.

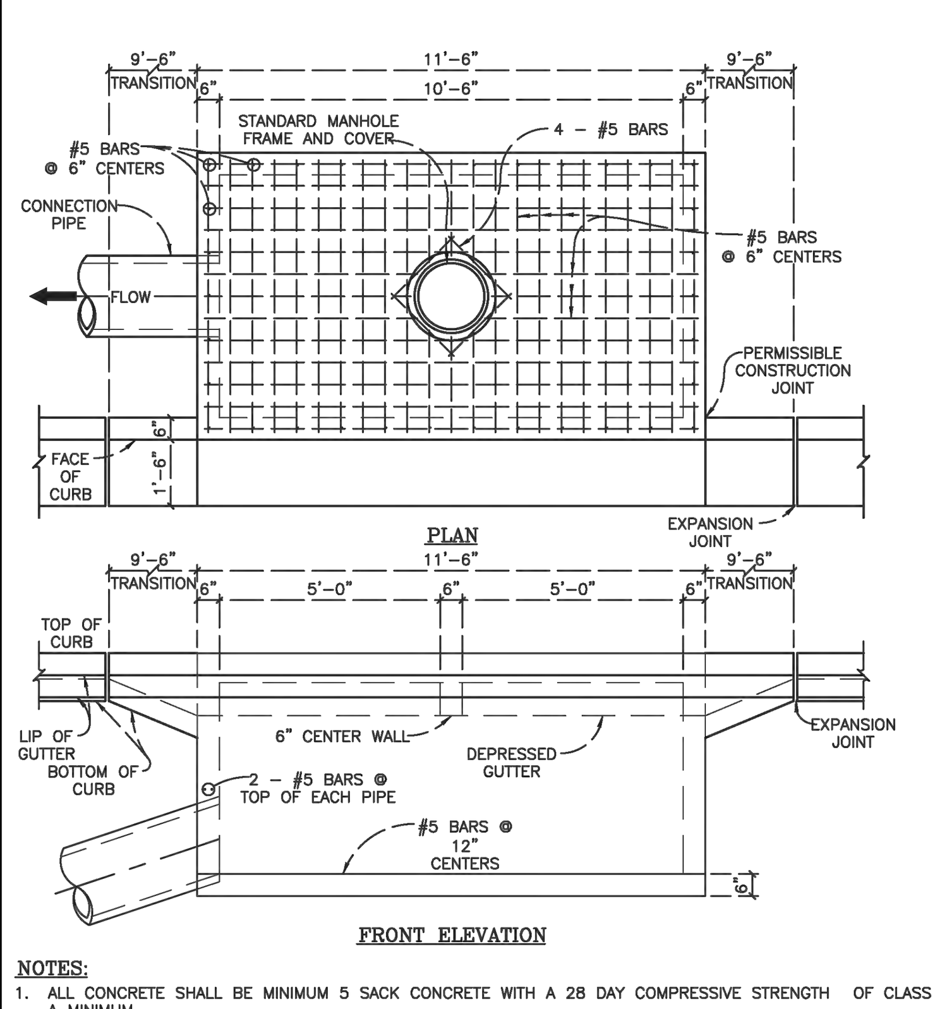
CITY OF AUSTIN — DEPARTMENT OF PUBLIC WORKS — TYPE II DRIVEWAY
RECORD COPY SIGNED BY CUONG TRAN 02/24/10 ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 433S-2 2 OF 2





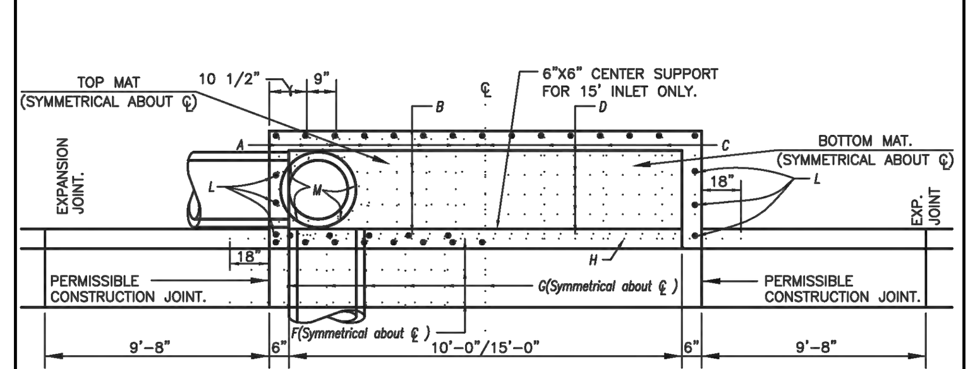


CITY OF AUSTIN — DEPARTMENT OF PUBLIC WORKS — CURB AND GUTTER SECTION
RECORD COPY SIGNED BY LINO RIVERA 9/29/99 ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
STANDARD NO. 430S-1



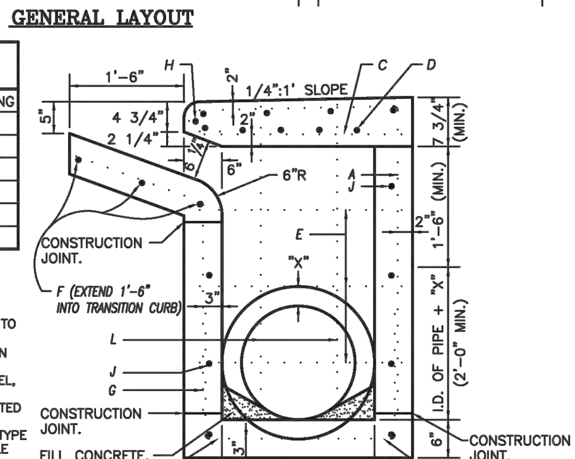
NOTES:
1. ALL CONCRETE SHALL BE MINIMUM 5 SACK CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF CLASS A MINIMUM.
2. STORM SEWER PIPE MATERIAL TO BE AS INDICATED IN THE CONTRACT DOCUMENTS.
3. AT INLETS WHERE MULTIPLE PIPES ARE CONNECTED, THE INVERT SHALL BE GROUTED AND SHAPED AS REQUIRED TO PROVIDE AN EFFICIENT FLOW PATH FOR EACH PIPE.
4. WHERE AN INLET HAS MULTIPLE PIPES, ALIGN FLOW DIRECTIONS AS CLOSELY AS POSSIBLE TO MINIMIZE DIRECTIONAL CHANGES.

CURB INLET DETAIL — Detail No. SD 27



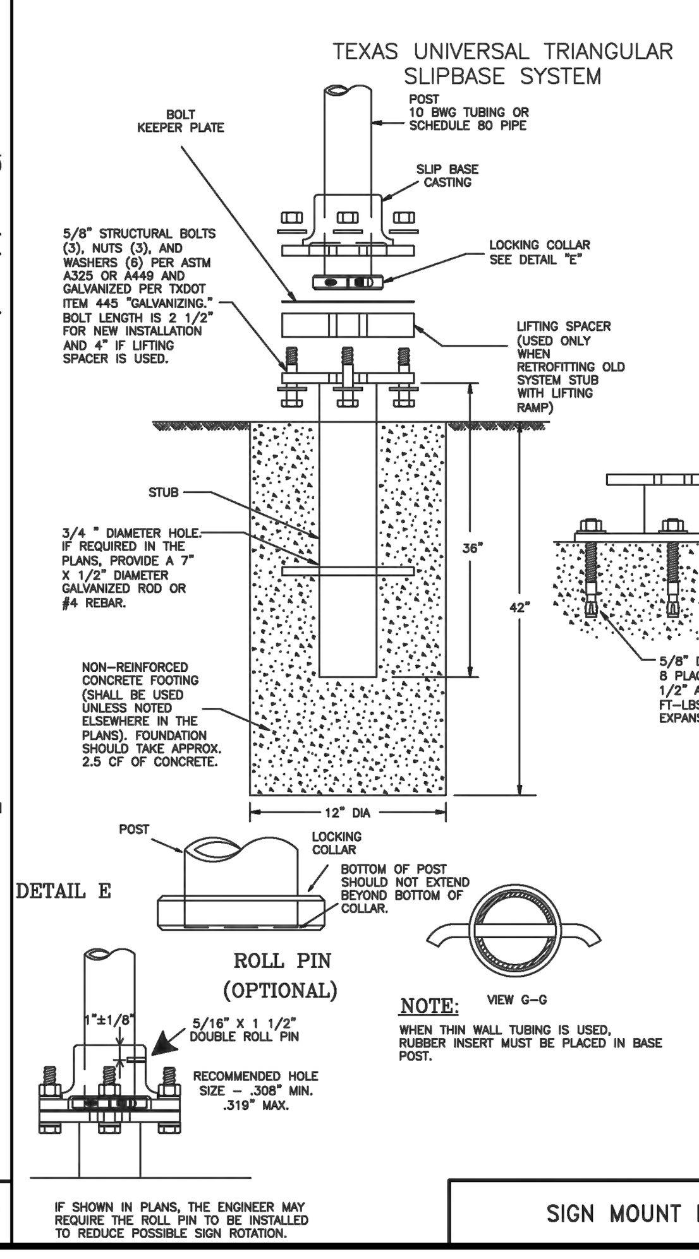
REINFORCING STEEL SCHEDULE

BARS	SIZE	SPACING	BARS	SIZE	SPACING
A	5	9"	G	4	9"
B	4	10"	H	6	–
C	4	18"	J	4	12"
D	6	6"	K	4	9"
E	4	12"	L	4	12"
F	4	10"	M	5	–



NOTES:
1. ALL CONCRETE SHALL BE CLASS "A".
2. ALL REINFORCING STEEL SHALL BE GRADE 60.
3. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTERS OF BARS.
4. VERTICAL STEEL MAY BE SPLICED (15" MIN. LAP) IN THE LOWER ONE-HALF OF ALL INLET WALLS.
5. IN AREAS OF CONFLICT BETWEEN REINFORCING STEEL, PIPES AND MANHOLE FRAME THE REINFORCEMENT SHALL BE BENT OR ADJUSTED TO CLEAR AS DIRECTED BY THE ENGINEER.
6. PAYMENT WILL BE MADE FOR EACH INLET OF THE TYPE SPECIFIED, COMPLETE IN PLACE INCLUDING MANHOLE FRAME AND COVER.
7. CHAMFER ALL EXPOSED EDGES 3/4".
8. MANHOLE FRAME AND COVERS SHALL BE FURNISHED WITH THE CAST-ON EYES AND CHAIN AS SHOWN IN THE CAST-ON EYE AND COVER CHAIN DETAILS.
9. THE CONTRACTOR MAY PROPOSE ALTERNATE PROCEDURES FOR THE CONSTRUCTION OF INLETS, INCLUDING PRECAST UNITS. PLANS FOR SUCH PROPOSED ALTERNATES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION.
10. ALL INLET WALLS SHALL BE FORMED EXCEPT WHERE THE NATURE OF THE SURROUNDING MATERIAL IS SUCH THAT IT CAN BE TRIMMED TO A SMOOTH VERTICAL FACE. WHEN INLET WALLS ARE PLACED TO NEAT EXCAVATION LINES, THE WALL THICKNESS SHALL NOT EXCEED 10 INCHES.
11. PAYMENT FOR INLETS AT THE CONTRACT PRICE SHALL INCLUDE THE TRANSITION CURB.
12. INVERT OF INLET SHALL BE SLOPED 1:20 WITH FILL CONCRETE.
13. AT INLETS WHERE MULTIPLE PIPES ARE CONNECTED, THE INVERT SHALL BE GROUTED AND SHAPED AS REQUIRED TO PROVIDE AN EFFICIENT FLOW PATH FOR EACH PIPE.
14. WHERE AN INLET HAS MULTIPLE PIPES, ALIGN FLOW DIRECTIONS AS CLOSELY AS POSSIBLE TO MINIMIZE DIRECTIONAL CHANGES.
15. INSTALL A 6" CENTER WALL SUPPORT IN THE MOUTH OF THE INLET EVERY 10'.

STANDARD 10', 15' AND 20' CURB INLET DETAIL — Detail No. SD 28



CONCRETE ANCHOR CONSISTS OF 5/8" DIAMETER STUD BOLT WITH UNC SERIES BOLT THREADS ON THE UPPER END. HEAVY HEX NUT PER ASTM A563, AND HARDENED WASHER PER ASTM F436. THE STUD BOLT SHALL HAVE MINIMUM YIELD AND ULTIMATE TENSILE STRENGTHS OF 50 AND 75 KSI, RESPECTIVELY. NUTS, BOLTS AND WASHERS SHALL BE GALVANIZED PER ITEM 445, "GALVANIZING." TOP OF BOLT SHALL EXTEND AT LEAST FLUSH WITH TOP OF THE NUT WHEN INSTALLED. THE ANCHOR, WHEN INSTALLED IN 4000 PSI NORMAL-WEIGHT CONCRETE WITH A 5 1/2" MINIMUM EMBEDMENT, SHALL HAVE A MINIMUM ALLOWABLE TENSION AND SHEAR OF 3900 AND 3100 PSI, RESPECTIVELY. ADHESIVE TYPE ANCHORS SHALL HAVE STUD BOLTS INSTALLED WITH TYPE III EPOXY PER DMS-6100, "EPOXIES AND ADHESIVES." ADHESIVE ANCHORS MAY BE LOADED AFTER ADEQUATE EPOXY CURE TIME, PER THE MANUFACTURER'S RECOMMENDATIONS.

5/8" STRUCTURAL BOLTS (3), NUTS (3), AND WASHERS (6) PER ASTM A325 OR A449 AND GALVANIZED PER TXDOT ITEM 445 "GALVANIZING." BOLT LENGTH IS 2 1/2" FOR NEW INSTALLATION AND 4" IF LIFTING SPACER IS USED.

3/4" DIAMETER HOLE. IF REQUIRED IN THE PLANS, PROVIDE A 7" X 1/2" DIAMETER GALVANIZED ROD OR #4 REBAR.

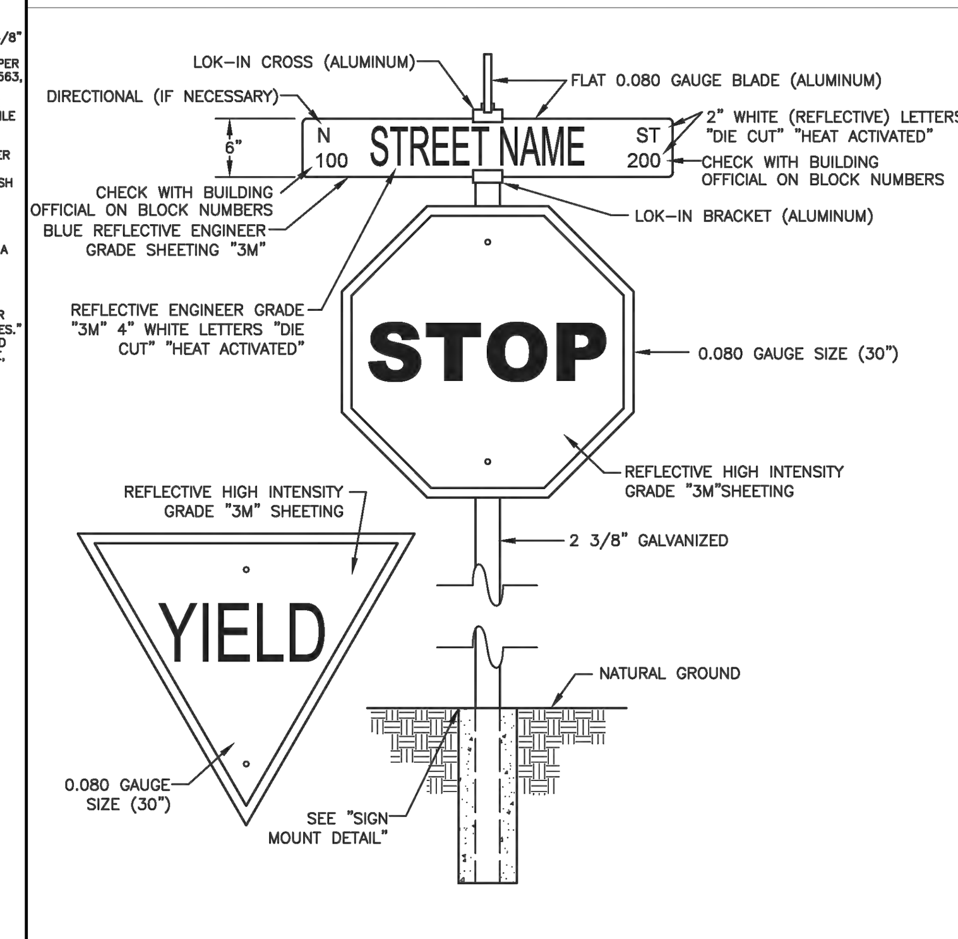
NON-REINFORCED CONCRETE FOOTING (SHALL BE USED UNLESS NOTED ELSEWHERE IN THE PLANS). FOUNDATION SHOULD TAKE APPROX. 2.5 CF OF CONCRETE.

5/8" DIAMETER CONCRETE ANCHOR - 8 PLACES (EMBED A MINIMUM OF 5 1/2" AND TORQUE TO MIN. OF 50 FT-LBS). ANCHOR MAY BE EXPANSION OR ADHESIVE TYPE.

NOTE: WHEN THIN WALL TUBING IS USED, RUBBER INSERT MUST BE PLACED IN BASE POST.

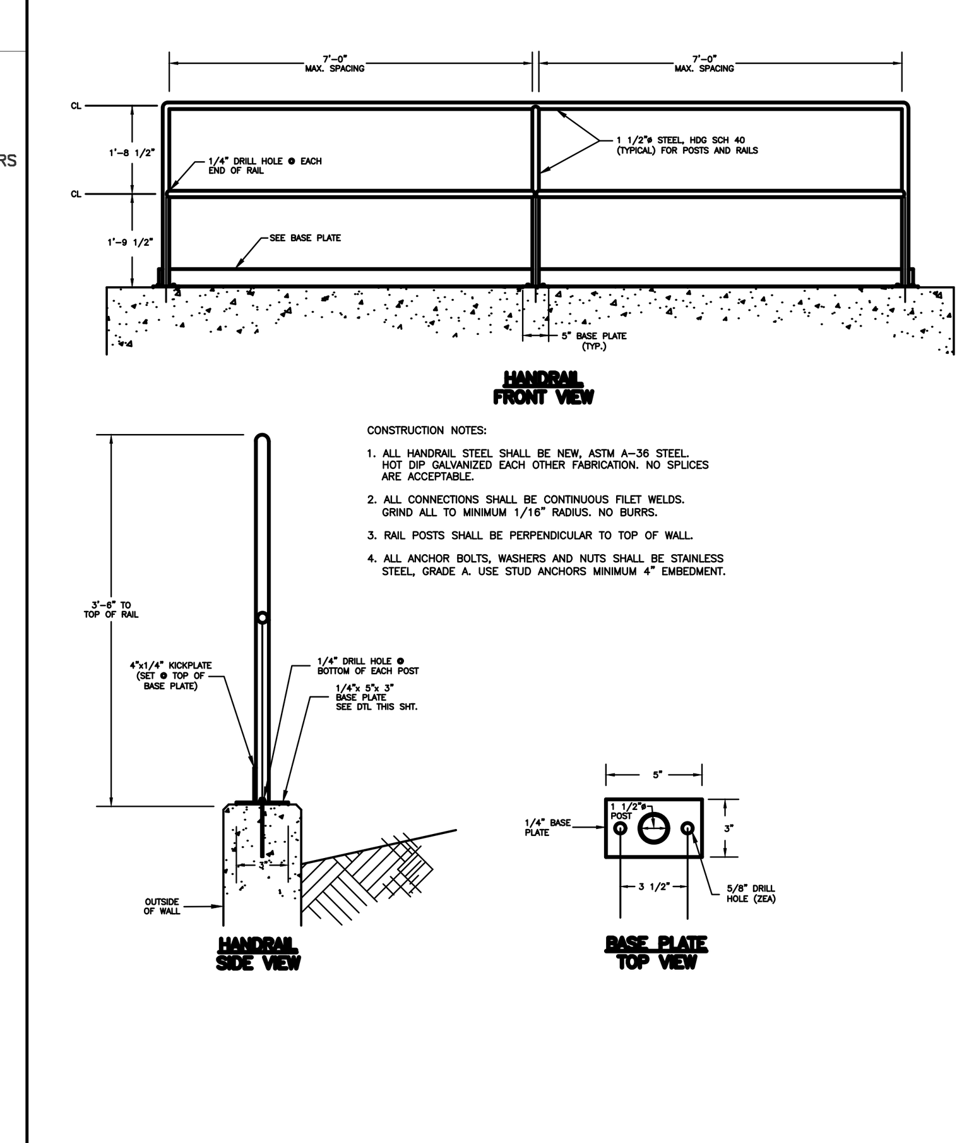
IF SHOWN IN PLANS, THE ENGINEER MAY REQUIRE THE ROLL PIN TO BE INSTALLED TO REDUCE POSSIBLE SIGN ROTATION.

SIGN MOUNT DETAIL — Detail No. SD 20



NOTE:
1. 7-FOOT MIN. HEIGHT FROM GROUND TO BOTTOM OF LOWEST SIGN

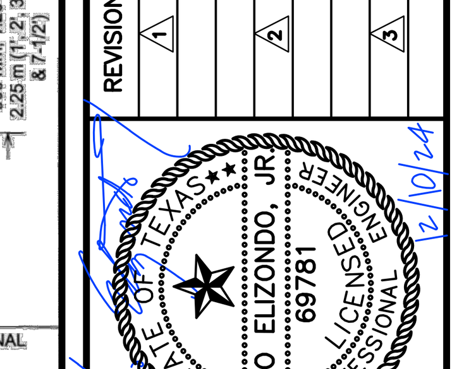
STANDARD STREET SIGN DETAIL — Detail No. SD 53

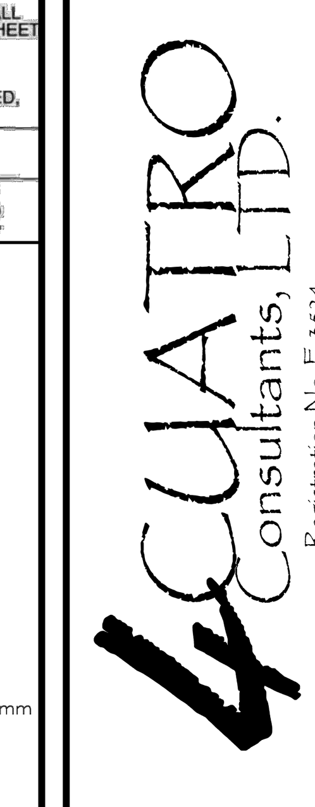


CONSTRUCTION NOTES:
1. ALL HANDRAIL STEEL SHALL BE NEW, ASTM A-36 STEEL. HOT DIP GALVANIZED EACH OTHER FABRICATION. NO SPLICES ARE ACCEPTABLE.
2. ALL CONNECTIONS SHALL BE CONTINUOUS FILET WELDS. GRIND ALL TO MINIMUM 1/16" RADIUS. NO BURRS.
3. RAIL POSTS SHALL BE PERPENDICULAR TO TOP OF WALL.
4. ALL ANCHOR BOLTS, WASHERS AND NUTS SHALL BE STAINLESS STEEL, GRADE A. USE STUD ANCHORS MINIMUM 4" EMBEDMENT.

HANDRAIL DETAILS

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED CD's TO REFLECT TRUE VERTICAL DATUM	HAS	12/22/22
3	REFLECT 3 5'x2' BOX CULVERTS/CARY JOHNSON PKWY AS INSTALLED.	AWE/CCG	12/6/24





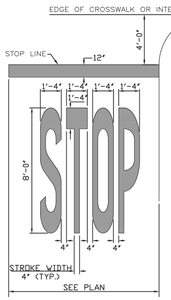
CUATRO Consultants, LTD.
Registration No. F-3524
120 Riverwalk Drive, Ste. 208 San Marcos, Texas 78666
Phone: (512) 312-5040
e-mail: cuatro@cuatroconsultants.com

MISCELLANEOUS DETAILS SHEET 1 OF 2

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT: CITY OF BURNET 1000 BUCHANAN DR. BURNET, TEXAS 78611

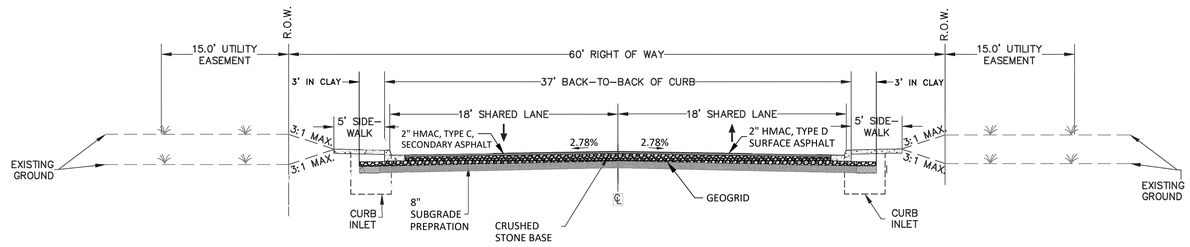
DATE: JUNE, 2020
PROJECT: JOB # 20-232
DRAWING'S NAME: 1 OF 2 MISC DETAILS
DESIGN: AC — CHECKED: HE.jr.
DRAWN: AC — APPROVED: HE.jr.



NOTE:

1. WORDS AND LINES SHALL BE APPLIED IN ACCORDANCE WITH SECTIONS 3B.16 AND 3B.20 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. MARKINGS ARE TO BE PAINTED RETROREFLECTIVE WHITE.

"ONLY" PAVEMENT MARKING DETAIL	Detail No. SD 59



TYPICAL STREET SECTION

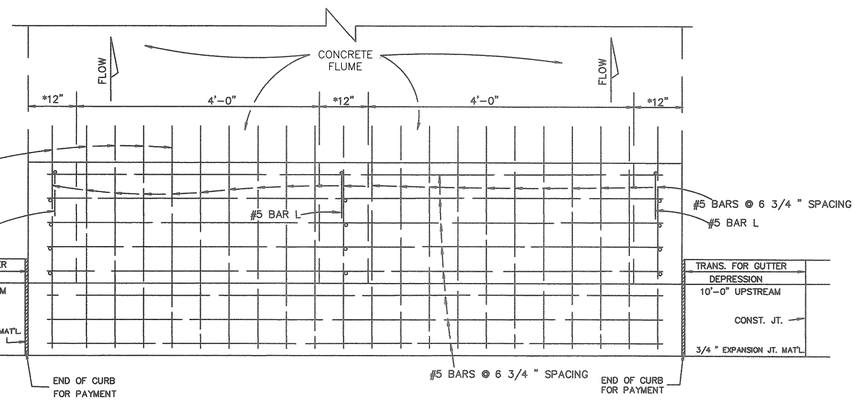
N.T.S.

PAVEMENT RECOMMENDATIONS

ALL COMPACTION, SUBGRADE PREPARATION, AND PAVEMENT SECTIONS SHALL BE COMPLETED AS SET FORTH IN GEOTECHNICAL REPORT DATED JUNE 30, 2020, AS PREPARED BY TERRADYNE ENGINEERING, LLC. CONTRACTOR SHALL OBTAIN FULL COPY OF SAID REPORT PRIOR TO CLEARING AND GRUBBING SITE. PREPARING SUBGRADE AND ANY AND ALL CUT/FILL AREAS ONSITE

A. FLEXIBLE PAVEMENT	ALTERNATE 1
• SUBGRADE PREPARATION:	8" MOISTURE CONDITIONED, 95% COMPACTION, PROOFROLL PER GEOTECHNICAL REPORT.
• FLEXIBLE BASE:	11" CRUSHED STONE BASE, TXDOT ITEM 247, TYPE A, GRADE 2, COMPACTED TO 95% PROCTOR DENSITY.
• SECONDARY ASPHALT:	2" HOT MIX ASPHALTIC CONCRETE, TYPE C, 92% TO 97% COMPACTION.
• SURFACE ASPHALT:	2" HMAC, TX DOT ITEM 340, TYPE D, 92% TO 97% COMPACTION.

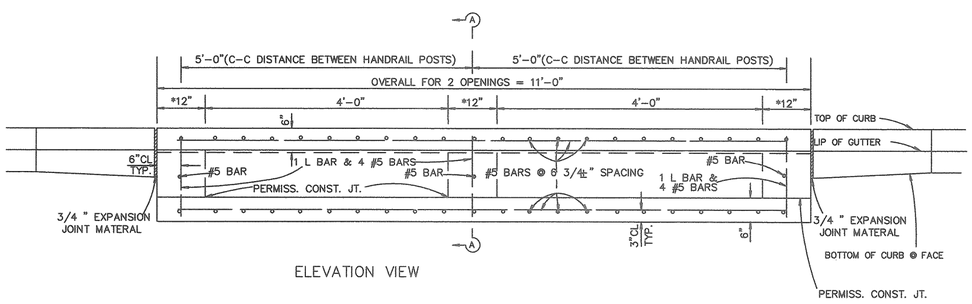
B. FLEXIBLE PAVEMENT	ALTERNATE 2
• SUBGRADE PREPARATION:	8" MOISTURE CONDITIONED, 95% COMPACTION, PROOFROLL PER GEOTECHNICAL REPORT.
• GEOGRID:	TENSAR TX5 OR ENGINEER APPROVED EQUIVALENT.
• FLEXIBLE BASE:	11" CRUSHED STONE BASE, TXDOT ITEM 247, TYPE A, GRADE 2, COMPACTED TO 95% PROCTOR DENSITY.
• SECONDARY ASPHALT:	2" HOT MIX ASPHALTIC CONCRETE, TYPE C, 92% TO 97% COMPACTION.
• SURFACE ASPHALT:	2" HMAC, TX DOT ITEM 340, TYPE D, 92% TO 97% COMPACTION.



NOTE: 2 OPENINGS = 10 FT NOMINAL
4 OPENINGS = 20 FT NOMINAL

PLAN VIEW

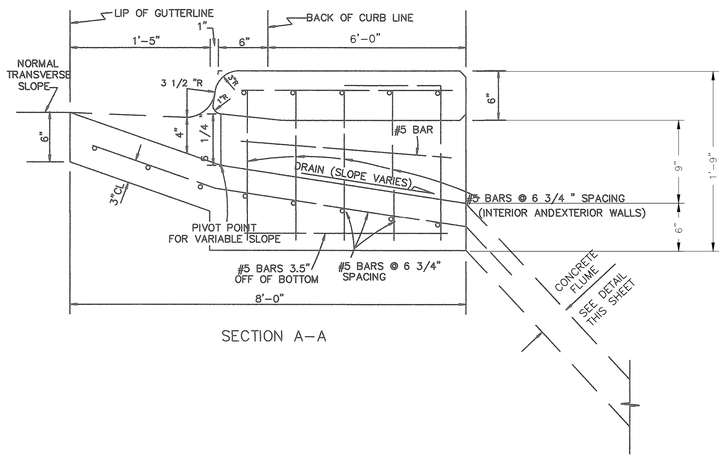
NOTE: ALL CONCRETE SHALL BE CLASS "A"
ALL STEEL SHALL BE GRADE 40



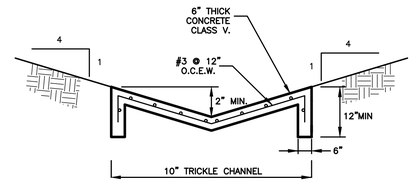
ELEVATION VIEW

SIDEWALK INLET

N.T.S.

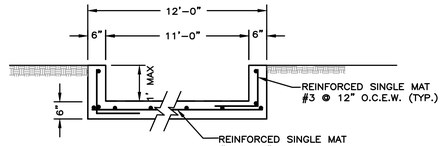


SECTION A-A



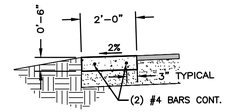
3' WIDE CONCRETE TRICKLE CHANNEL W/ FOOTING

N.T.S.



CONCRETE FLUME

SCALE: 1/2" = 1'-0"



2' CONCRETE RIBBON CURB: SECTION

N.T.S.

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH HDPP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED SD'S TO REFLECT TRUE VERTICAL DATUM	HAS	11/29/22
3	REFLECT 3 3'X2' BOX CULVERTS/CARY JOHNSON PKWY. AS INSTALLED	AME/CCG	12/6/24

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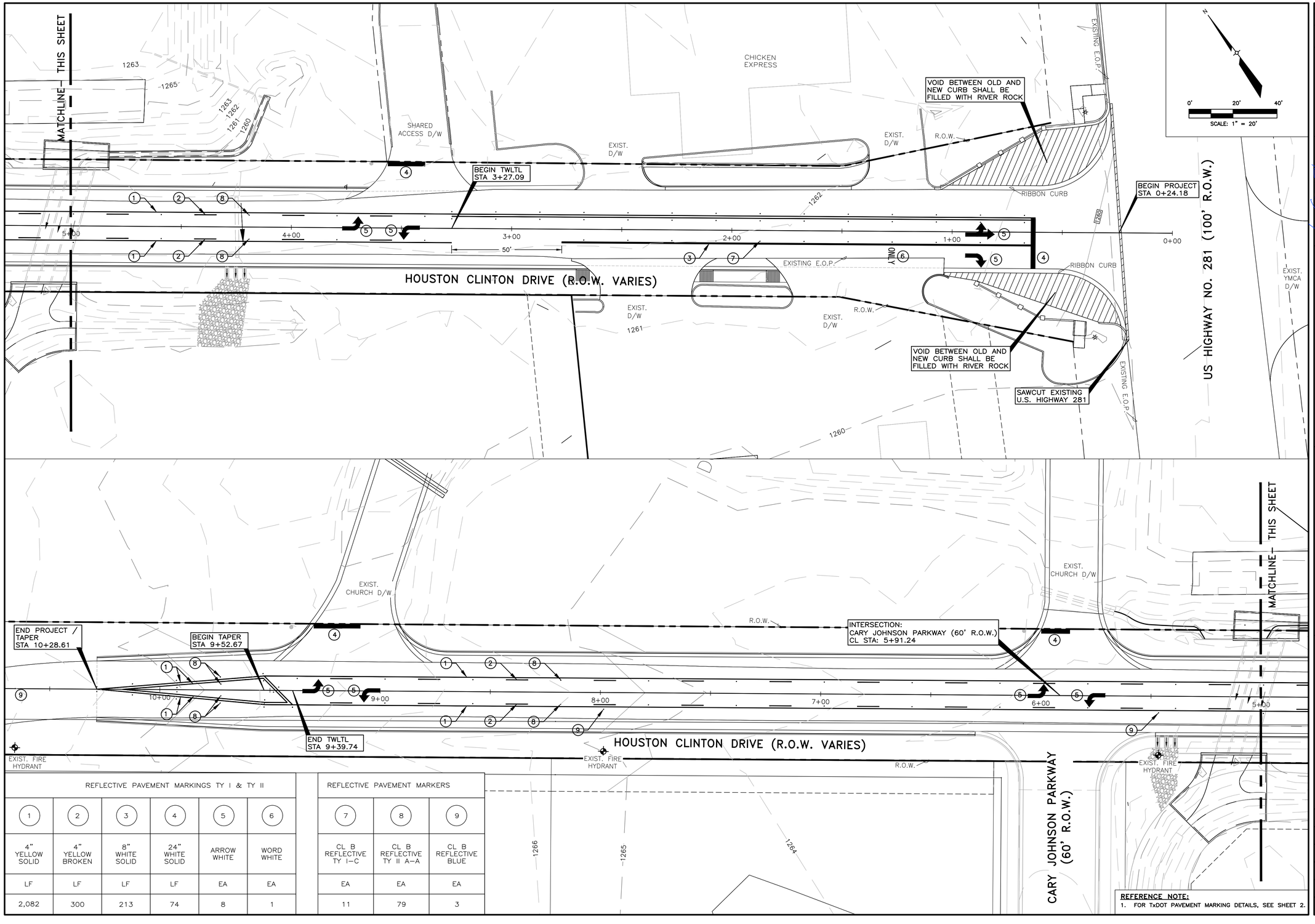
San Marcos, Texas 78666 e-mail: custno@equatroconsultants.com

MISCELLANEOUS DETAILS SHEET 2 OF 2

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE:	JUNE, 2020
PROJECT:	JOB # 20-232
DRAWING'S NAME:	2 OF 2 MISC DETAILS
DESIGN: AC	CHECKED: HE.jr.
DRAWN: AC	APPROVED: HE.jr.
SHEET:	14 OF 19



REFLECTIVE PAVEMENT MARKINGS TY I & TY II						REFLECTIVE PAVEMENT MARKERS		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
4" YELLOW SOLID	4" YELLOW BROKEN	8" WHITE SOLID	24" WHITE SOLID	ARROW WHITE	WORD WHITE	CL B REFLECTIVE TY I–C	CL B REFLECTIVE TY II A–A	CL B REFLECTIVE BLUE
LF	LF	LF	LF	EA	EA	EA	EA	EA
2,082	300	213	74	8	1	11	79	3

REFERENCE NOTE:
1. FOR TxDOT PAVEMENT MARKING DETAILS, SEE SHEET 2.

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH HDPE RED BOOTS REQUEST	RA	5/19/22
2	UPDATED DD'S TO REFLECT TRUE VERTICAL DATUM	HAS	10/20/22
3	REFLECT 3.5'x2' BOX CULVERTS CARY JOHNSON PKWY AS INSTALLED	AWE/CCG	12/6/24

STATE OF TEXAS — HUGO ELIZONDO, JR. — 69781 — LICENSED PROFESSIONAL ENGINEER — 12/19/24

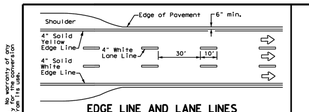
EQUATRO Consultants, LTD.
Registration No. F-3524
3601 Kyle Crossing, Suite A Phone (512) 312-3040 Fax (512) 312-3599
Kyle, Texas 78640 e-mail: cuatro@cuatroconsultants.com

STRIPING PLAN

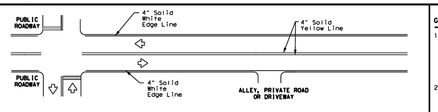
HOUSTON CLINTON DRIVE STREET IMPROVEMENTS BURNET, TEXAS 78611

CLIENT: CITY OF BURNET 1000 BUCHANAN DR. BURNET, TEXAS 78611

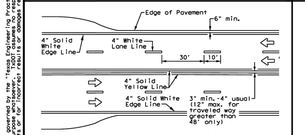
DATE:	MAY, 2022
PROJECT:	JOB # 20-232
DRAWING'S NAME:	STRIPING PLAN
DESIGN: KAB	CHECKED: HE.jr.
DRAWN: AWE	APPROVED: HE.jr.
SHEET:	16 OF 19



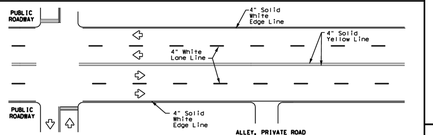
EDGE LINE AND LANE LINES ONE-WAY ROADWAY WITH OR WITHOUT SHOULDERS



TYPICAL TWO-LANE, TWO-WAY PAVEMENT MARKINGS THROUGH INTERSECTIONS

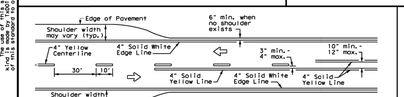


CENTERLINE AND LANE LINES FOUR LANE TWO-WAY ROADWAY WITH OR WITHOUT SHOULDERS

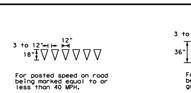


TYPICAL MULTI-LANE, TWO-WAY PAVEMENT MARKINGS THROUGH INTERSECTIONS

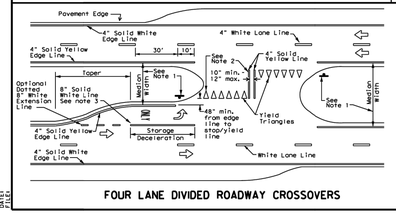
DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for any purpose whatsoever. The Texas Department of Transportation shall not be held responsible for damages resulting from its use.



TWO LANE TWO-WAY ROADWAY WITH OR WITHOUT SHOULDERS



YIELD LINES



FOUR LANE DIVIDED ROADWAY CROSSOVERS

NOTES

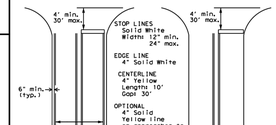
1. Where divided highways are separated by median widths at the median opening itself of 30 feet or more, median openings shall be signed as two separate intersections. Each median opening has two width measurements, with one measurement for each approach. The narrow median width will be the controlling width to determine if signs are required. Yield signs are the typical intersection control. Stop signs are optional as determined by the Engineer.
2. Install median striping (double yellow centerlines and stop bars/yield triangles) when a 50' or greater median centerline can be placed. Stop bars shall only be used with stop signs. Yield traingles shall only be used with yield signs.
3. Length of turn bays, including taper, deceleration, and storage lengths shall be as shown on the plans or as directed by the Engineer.

GENERAL NOTES

1. Edgeline striping shall be as shown in the plans or as directed by the Engineer. The edgeline should not be placed less less than 6 inches from the edge of pavement. This distance may vary due to pavement raveling or other conditions. Edgelines are not required in curb and gutter sections of roadways.
2. The traveled way includes only that portion of the roadway used for vehicular travel. It does not include the parking lanes, sidewalks, berms and shoulders. The traveled ways shall be measured from the inside of edgeline to the inside of edgeline of a two lane roadway.

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



GUIDE FOR PLACEMENT OF STOP LINES, EDGE LINE & CENTERLINE

Based on Traveled Way and Pavement Widths for Undivided Highways

Texas Department of Transportation — Traffic Safety Division Standard

TYPICAL STANDARD PAVEMENT MARKINGS

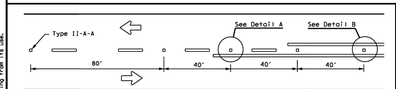
PM(1)-20

FILE: pm1-20.dgn	DN:	CK:	DW:	CK:
©TxDOT November 1978	CONT	SECT	JOB	HIGHWAY
REVISIONS 9-98 3-00 5-00 2-12 5-00 6-20	DIST	COUNTY		SHEET NO.

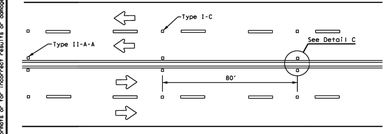
[1 of 2]

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for any purpose whatsoever. The Texas Department of Transportation shall not be held responsible for damages resulting from its use.

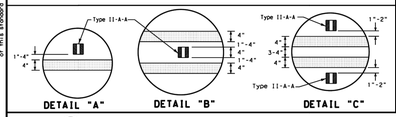
REFLECTIVE RAISED PAVEMENT MARKERS FOR VEHICLE POSITIONING GUIDANCE



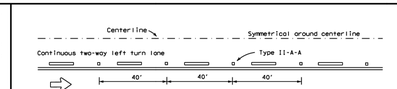
CENTERLINE FOR ALL TWO LANE ROADWAYS



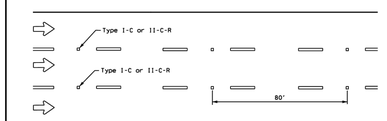
CENTERLINE & LANE LINES FOR FOUR LANE TWO-WAY HIGHWAYS



DETAIL "A" DETAIL "B" DETAIL "C"

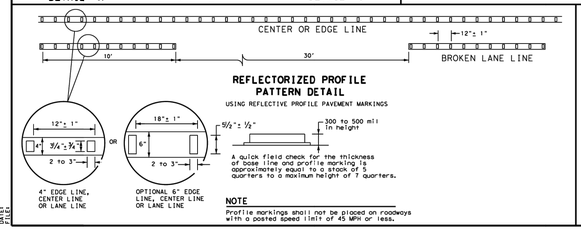


CENTERLINE AND LANE LINES FOR TWO-WAY LEFT TURN LANE



LANE LINES FOR ONE-WAY ROADWAY (NON-FREEWAY FACILITIES)

Raised pavement markers Type I-C-R shall have clear face toward normal traffic and red face toward wrong-way traffic.



4" EDGE LINE, CENTER LINE OR LANE LINE

OPTIONAL 6" EDGE LINE, CENTER LINE OR LANE LINE

A quick field check for the thickness of base line and profile marking is approximately equal to a stack of 5 quarters to a maximum height of 7 quarters.

REFLECTORIZED PROFILE PATTERN DETAIL

USING REFLECTIVE PROFILE PAVEMENT MARKINGS

NOTE

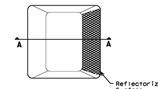
Profile markings shall not be placed on roadways with a posted speed limit of 45 MPH or less.

GENERAL NOTES

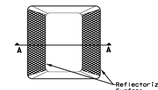
1. All raised pavement markers placed in broken lines shall be placed in line with and midway between the stripes.
2. On concrete pavements the raised pavement markers should be placed to one side of the longitudinal joints.

MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

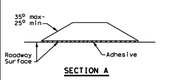
All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.



Type I (Top View)



Type II (Top View)



SECTION A

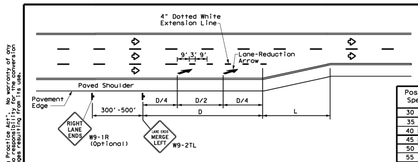
RAISED PAVEMENT MARKERS

Texas Department of Transportation — Traffic Safety Division Standard

POSITION GUIDANCE USING RAISED MARKERS RELECTORIZED PROFILE MARKINGS PM(2)-20

FILE: pm2-20.dgn	DN:	CK:	DW:	CK:
©TxDOT April 1977	CONT	SECT	JOB	HIGHWAY
REVISIONS 1-92 2-12 5-00 6-20	DIST	COUNTY		SHEET NO.

[2 of 2]



LANE REDUCTION

Posted Speed	D (ft)	L (ft)
30 MPH	460	L=WS²/60
35 MPH	565	
40 MPH	670	
45 MPH	775	L=WS
50 MPH	885	
55 MPH	990	
60 MPH	1,100	
65 MPH	1,200	
70 MPH	1,250	
75 MPH	1,350	

NOTES

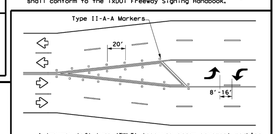
1. Lane reduction pavement markings are used where the number of through lanes is reduced because of narrowing of the roadway or because of a section of on-street parking in what would otherwise be a through lane. For Texas Super 2 Passing Lanes, see TS21(PL) standard sheets.
2. On divided highways, an additional W9-1R "RIGHT LANE ENDS" sign may be installed in the median aligned with the W9-1R sign on the right side of the highway.
3. Lane reduction arrows are required for speeds of 45 mph or greater. An optional third lane reduction arrow may be added based on engineering judgement. If used, the optional third lane reduction arrow should be centered between the first and last lane reduction arrows.
4. For lane reductions on Freeways and Expressways, signing shall conform to the TxDOT Freeway Signing Handbook.

GENERAL NOTES

1. Lane use word and arrow markings shall be used where through lanes approaching an intersection become mandatory turn lanes. Lane use word and arrow markings should be used in auxiliary lanes of substantial length. Lane use arrow markings or word and arrow markings may be used in other lanes and turn bays for emphasis. Details for words and arrows are as shown in the Standard Highway Sign Designs for Texas.
2. When lane-use words and arrow markings are used, two sets of arrows should be used if the length of the bay is greater than 180 feet. When a single lane use arrow or word and arrow marking is used for a short turn lane, it should be located at or near the upstream end of the full-width turn lane.
3. Use raised pavement marker Type I-C with undivided highways, flush medians and two way left turn lanes. Use raised pavement marker Type II-C-R with divided highways and raised medians.
4. Length of turn bays, including taper, deceleration, and storage lengths shall be as shown on the plans or as directed by the Engineer.

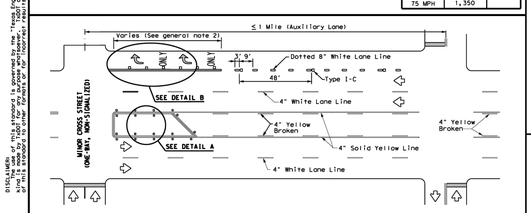
MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
TRAFFIC PAINT	DMS-8200
HOT APPLIED THERMOPLASTIC	DMS-8220
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

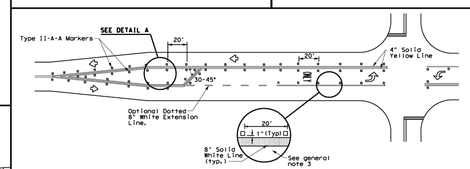


A two-way left-turn (TWLT) lane-use arrow pavement marking should be used at or just downstream from the beginning of a two-way left-turn lane within a corridor. Repeating the marking after each intersection or dedicated turn bay is not required unless stated elsewhere in the plans.

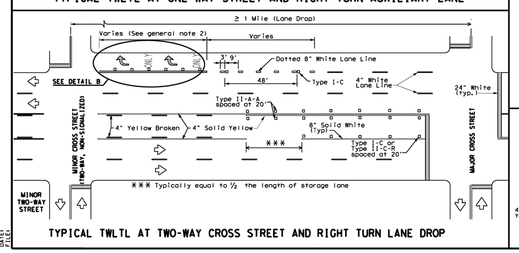
TYPICAL TRANSITION FOR TWLT AND DIVIDED HIGHWAY



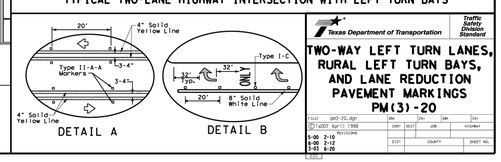
TYPICAL TWLTL AT ONE-WAY STREET AND RIGHT TURN AUXILIARY LANE



TYPICAL TWO-LANE HIGHWAY INTERSECTION WITH LEFT TURN BAYS



TYPICAL TWLTL AT TWO-WAY CROSS STREET AND RIGHT TURN LANE DROP



Texas Department of Transportation — Traffic Safety Division Standard

TWO-WAY LEFT TURN LANES, RURAL LEFT TURN BAYS, AND LANE REDUCTION PAVEMENT MARKINGS PM(3)-20

FILE: pm3-20.dgn	DN:	CK:	DW:	CK:
©TxDOT April 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS 9-00 2-12 5-00 6-20	DIST	COUNTY		SHEET NO.

[3 of 3]

REVISION		DESCRIPTION	BY:	DATE:
	1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH DEPRESSED BOX CULVERTS	PA	5/19/22
	2	UPDATED "DFS" TO REFLECT TRUE VERTICAL DATUM	HAS	12/22/23
	3	REFLECT 3.5'X2' BOX CULVERTS/CARY JOHNSON PKWY AS INSTALLED	AWE/CCG	12/6/24

EQUATRO Consultants, LTD.
Registration No. F-3524
3400 Kyle Crossing, Suite A Phone (512)312-9340 Fax (512)312-9399
Kyle, Texas 78640 e-mail: custno@customconsultants.com

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

TxDOT PAVEMENT MARKING DETAILS

HOUSTON CLINTON DRIVE STREET IMPROVEMENTS
BURNET, TEXAS 78611

DATE: MAY, 2022
PROJECT: JOB # 20-232
DRAWING'S NAME: TxDOT PAVE. MARK. DETAILS
DESIGN: HE.jr. | CHECKED: HE.jr.
DRAWN: AWE | APPROVED: HE.jr.
SHEET: 17 OF 19

DISCLAIMER:
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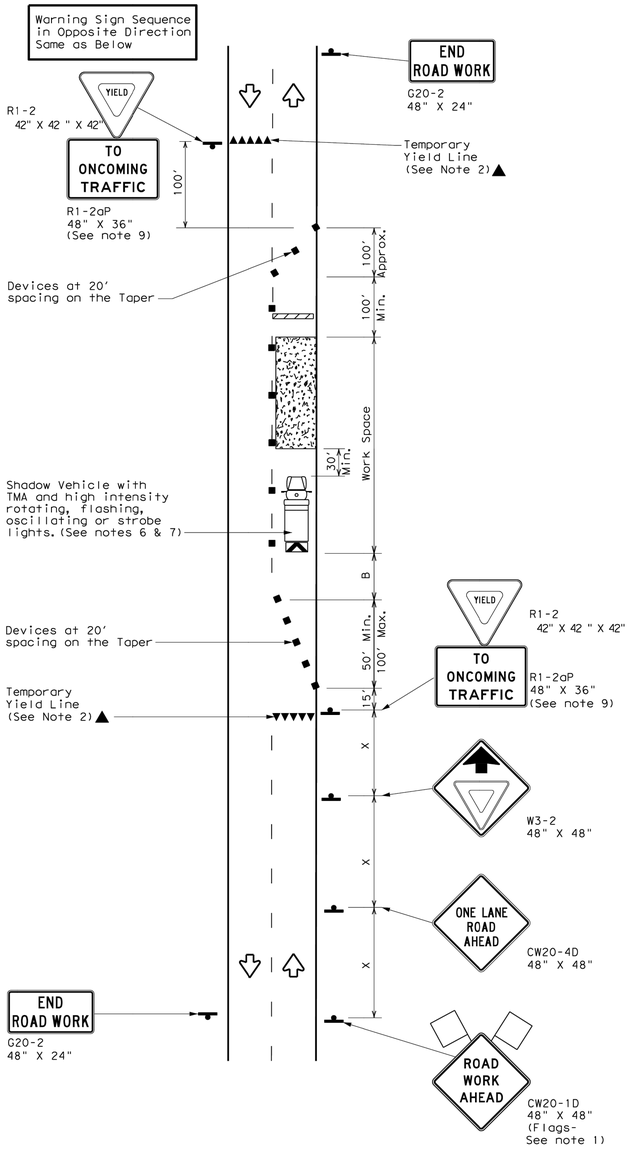
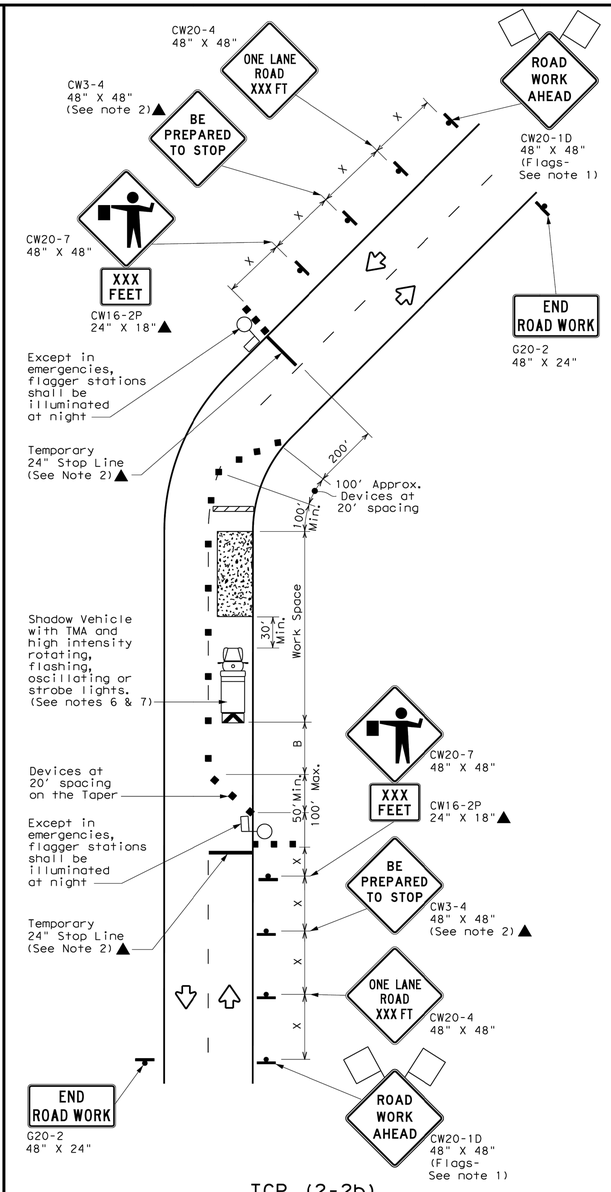


TCP (2-2a)
2-LANE ROADWAY WITHOUT PAVED SHOULDERS
ONE LANE TWO-WAY
CONTROL WITH YIELD SIGNS
(Less than 2000 ADT - See Note 9)



TCP (2-2b)
2-LANE ROADWAY WITHOUT PAVED SHOULDERS
ONE LANE TWO-WAY
CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths * * 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L=WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only
* * Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓	✓	

GENERAL NOTES

1. Flags attached to signs where shown, are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4 "ONE LANE ROAD XXX FT" sign, but proper sign spacing shall be maintained.
4. Flaggers should use two-way radios or other methods of communication to control traffic.
5. Length of work space should be based on the ability of flaggers to communicate.
6. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
7. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.

TCP (2-2a)

8. The R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work space should be no longer than one half city block. In rural areas, roadways with less than 2000 ADT, work space should be no longer than 400 feet.
9. The R1-2aP "YIELD TO ONCOMING TRAFFIC" sign shall be placed on a support at a 7 foot minimum mounting height.

TCP (2-2b)

10. Channelizing devices on the center line may be omitted when a pilot car is leading traffic and approved by the Engineer.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain stopping sight distance to the flagger and a queue of stopped vehicles. (See table above).
12. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situtations.

Texas Department of Transportation | Traffic Operations Division Standard

TRAFFIC CONTROL PLAN
ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(2-2)-18

FILE: tcp2-2-18.dgn	DN:	CK:	DW:	CK:
© TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS 8-95 3-03 1-97 2-12 4-98 2-18	DIST	COUNTY		SHEET NO.

162

DATE:
FILE:

REVISION	DESCRIPTION	BY:	DATE:
1	ADDED RIBBON CURB AT U.S. 281 AND REPLACED BOX CULVERTS WITH RCP PER CITY'S REQUEST	RA	5/19/22
2	UPDATED TCP'S TO REFLECT TRUE VERTICAL DATUM	MAS	12/22/22
3	REPLACE 3 "SQF" BOX CULVERTS @ ART. JOHNSON PKWY AS INSTALLED.	AME/COS	12/4/24

4 QUATRO Consultants, LTD.
Registration No. F-3324
120 Riverwalk Drive, Ste 208 Phone: (512) 312-5040
San Marcos, Texas 78666 e-mail: custom@quatroconsultants.com

TXDOT DETAIL, TRAFFIC CONTROL PLAN

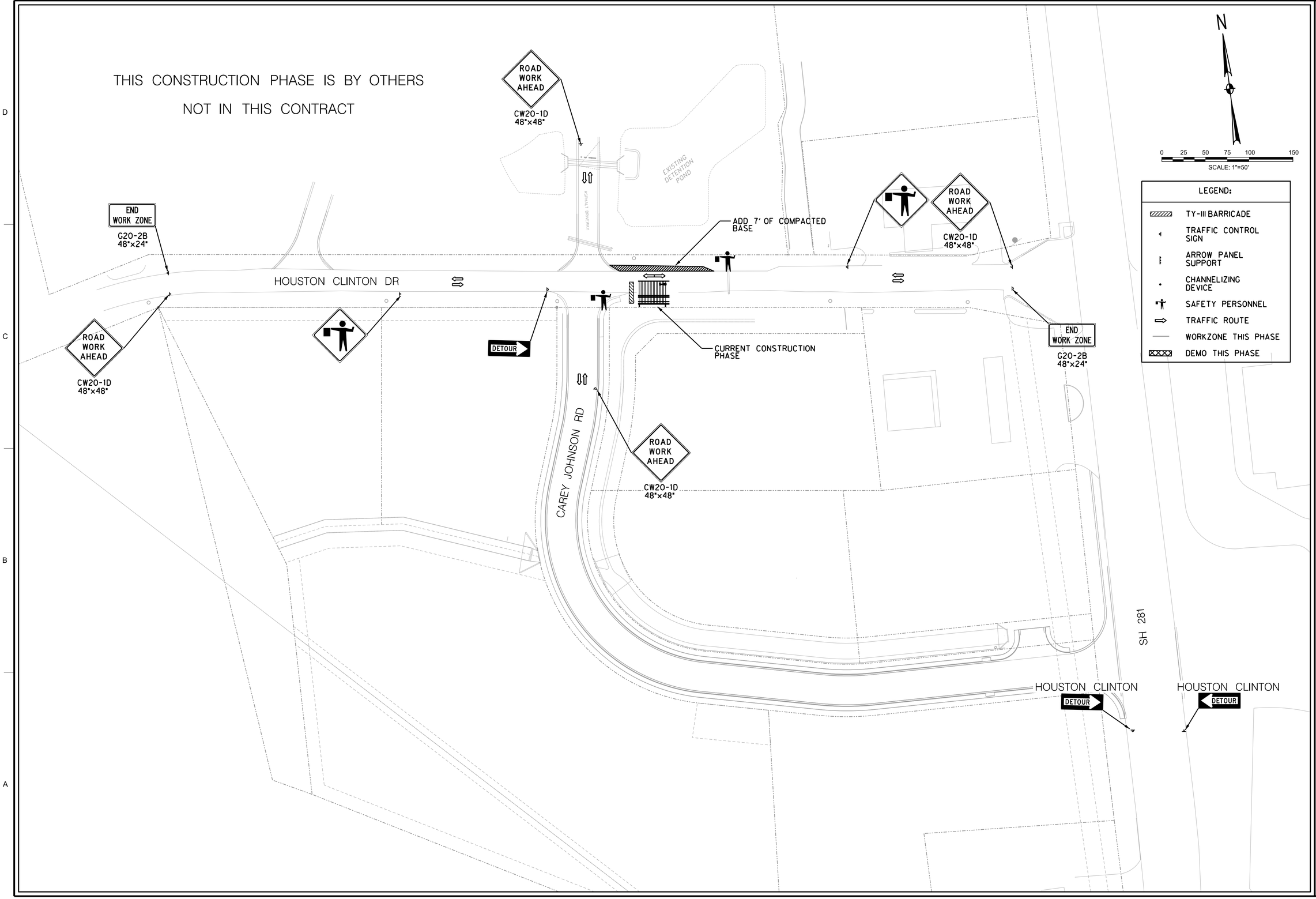
HOUSTON CLINTON DRIVE
STREET IMPROVEMENTS
BURNET, TEXAS 78611

CLIENT:
CITY OF BURNET
1000 BUCHANAN DR.
BURNET, TEXAS 78611

DATE: MAY, 2022
PROJECT: JOB # 20-232
DRAWING'S NAME: TxDOT PAVE. MARK. DETAILS
DESIGN: KAB | CHECKED: CDE
DRAWN: CCG | APPROVED: HE.jr.
SHEET: 19 OF 19

THIS CONSTRUCTION PHASE IS BY OTHERS

NOT IN THIS CONTRACT



N

0 25 50 75 100 150

SCALE: 1"=50'

LEGEND:

- TY-III BARRICADE
- TRAFFIC CONTROL SIGN
- ARROW PANEL SUPPORT
- CHANNELIZING DEVICE
- SAFETY PERSONNEL
- TRAFFIC ROUTE
- WORKZONE THIS PHASE
- DEMO THIS PHASE

CITY OF BURNET
1001 BUCHANAN DR, SUITE 04
BURNET, TX 78611
PH: (512) 756-6093

CITY OF BURNET 1893 Lakes · Hills · History

NO. | DESCRIPTION | DATE

STATE OF TEXAS
ERALD BELAJ
107148
LICENSED PROFESSIONAL ENGINEER

2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 1

SHEET NO.
C1

PID: CIPTR-2022C

THIS CONSTRUCTION PHASE IS BY OTHERS

NOT IN THIS CONTRACT

ROAD WORK AHEAD
CW20-1D
48"x48"

EXISTING DETENTION POND

ASPHALT DRIVEWAY

END WORK ZONE
G20-2B
48"x24"

CURRENT CONSTRUCTION PHASE

ROAD WORK AHEAD
CW20-1D
48"x48"

HOUSTON CLINTON DR

ROAD WORK AHEAD
CW20-1D
48"x48"

DETOUR

ADD 7' OF COMPACTED BASE

END WORK ZONE
G20-2B
48"x24"

CAREY JOHNSON RD

ROAD WORK AHEAD
CW20-1D
48"x48"

SH 281

HOUSTON CLINTON
DETOUR

HOUSTON CLINTON
DETOUR

N

0 25 50 75 100 150
SCALE: 1"=50'

LEGEND:

- TY-III BARRICADE
- TRAFFIC CONTROL SIGN
- ARROW PANEL SUPPORT
- CHANNELIZING DEVICE
- SAFETY PERSONNEL
- TRAFFIC ROUTE
- WORKZONE THIS PHASE
- DEMO THIS PHASE

CITY OF BURNET
1001 BUCHANAN DR, SUITE 04
BURNET, TX 78611
PH: (512) 756-6093

CITY OF BURNET 1893 Lakes · Hills · History

NO. DESCRIPTION DATE

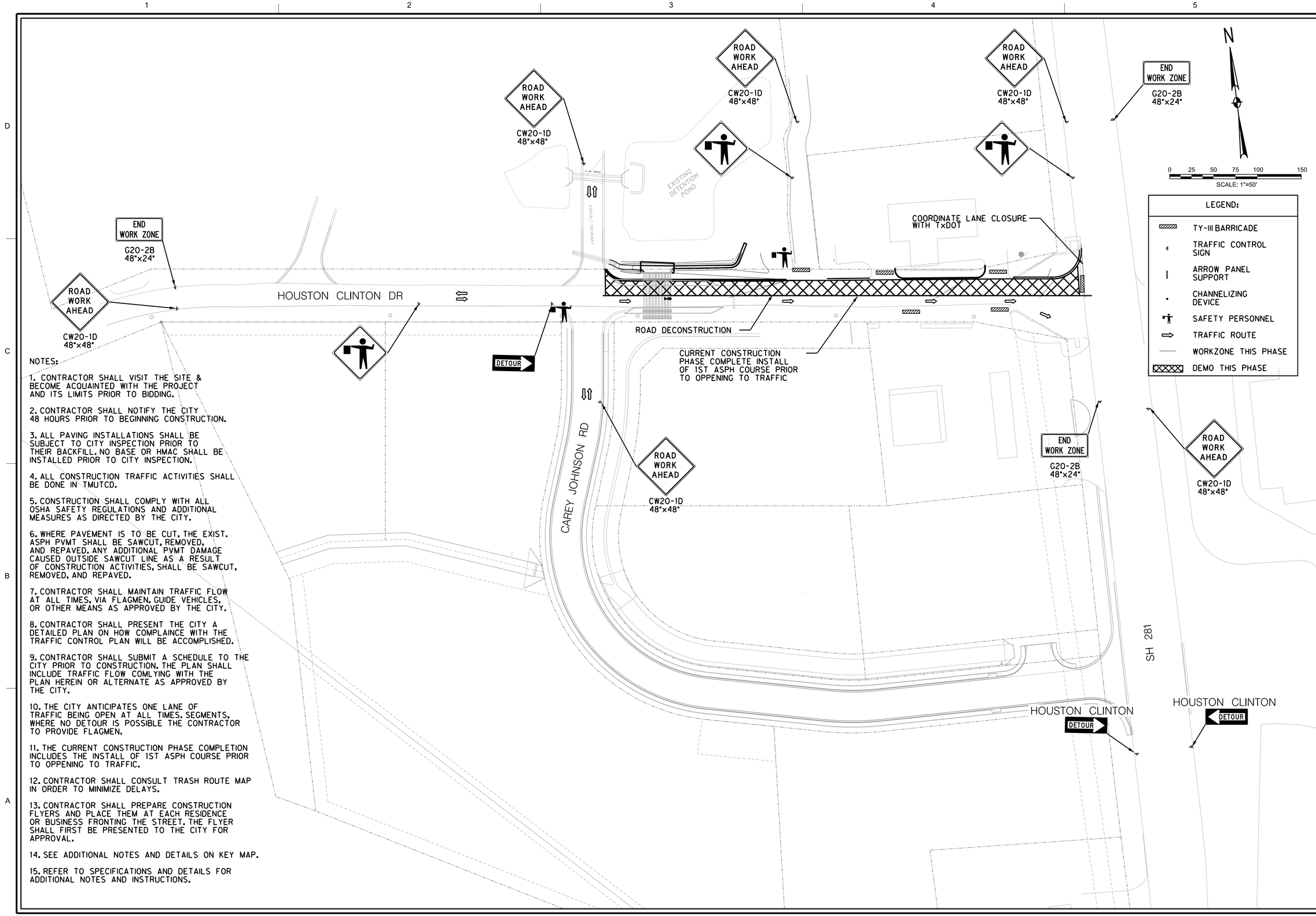
STATE OF TEXAS
ERALD BELAJ
107148
LICENSED
PROFESSIONAL ENGINEER

2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 2

SHEET NO.
C2

PID: CIPTR-2022C



NOTES:

1. CONTRACTOR SHALL VISIT THE SITE & BECOME ACQUAINTED WITH THE PROJECT AND ITS LIMITS PRIOR TO BIDDING.

2. CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

3. ALL PAVING INSTALLATIONS SHALL BE SUBJECT TO CITY INSPECTION PRIOR TO THEIR BACKFILL. NO BASE OR HMAC SHALL BE INSTALLED PRIOR TO CITY INSPECTION.

4. ALL CONSTRUCTION TRAFFIC ACTIVITIES SHALL BE DONE IN TMUTCD.

5. CONSTRUCTION SHALL COMPLY WITH ALL OSHA SAFETY REGULATIONS AND ADDITIONAL MEASURES AS DIRECTED BY THE CITY.

6. WHERE PAVEMENT IS TO BE CUT, THE EXIST. ASPH PVMT SHALL BE SAWCUT, REMOVED, AND REPAVED. ANY ADDITIONAL PVMT DAMAGE CAUSED OUTSIDE SAWCUT LINE AS A RESULT OF CONSTRUCTION ACTIVITIES, SHALL BE SAWCUT, REMOVED, AND REPAVED.

7. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES, VIA FLAGMEN, GUIDE VEHICLES, OR OTHER MEANS AS APPROVED BY THE CITY.

8. CONTRACTOR SHALL PRESENT THE CITY A DETAILED PLAN ON HOW COMPLAINCE WITH THE TRAFFIC CONTROL PLAN WILL BE ACCOMPLISHED.

9. CONTRACTOR SHALL SUBMIT A SCHEDULE TO THE CITY PRIOR TO CONSTRUCTION. THE PLAN SHALL INCLUDE TRAFFIC FLOW COMLYING WITH THE PLAN HEREIN OR ALTERNATE AS APPROVED BY THE CITY.

10. THE CITY ANTICIPATES ONE LANE OF TRAFFIC BEING OPEN AT ALL TIMES. SEGMENTS, WHERE NO DETOUR IS POSSIBLE THE CONTRACTOR TO PROVIDE FLAGMEN.

11. THE CURRENT CONSTRUCTION PHASE COMPLETION INCLUDES THE INSTALL OF 1ST ASPH COURSE PRIOR TO OPPENING TO TRAFFIC.

12. CONTRACTOR SHALL CONSULT TRASH ROUTE MAP IN ORDER TO MINIMIZE DELAYS.

13. CONTRACTOR SHALL PREPARE CONSTRUCTION FLYERS AND PLACE THEM AT EACH RESIDENCE OR BUSINESS FRONTING THE STREET. THE FLYER SHALL FIRST BE PRESENTED TO THE CITY FOR APPROVAL.

14. SEE ADDITIONAL NOTES AND DETAILS ON KEY MAP.

15. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL NOTES AND INSTRUCTIONS.

CITY OF BURNET
1001 BUCHANAN DR, SUITE 04
BURNET, TX 78611
PH: (512) 756-6093

DESCRIPTION | DATE | NO.

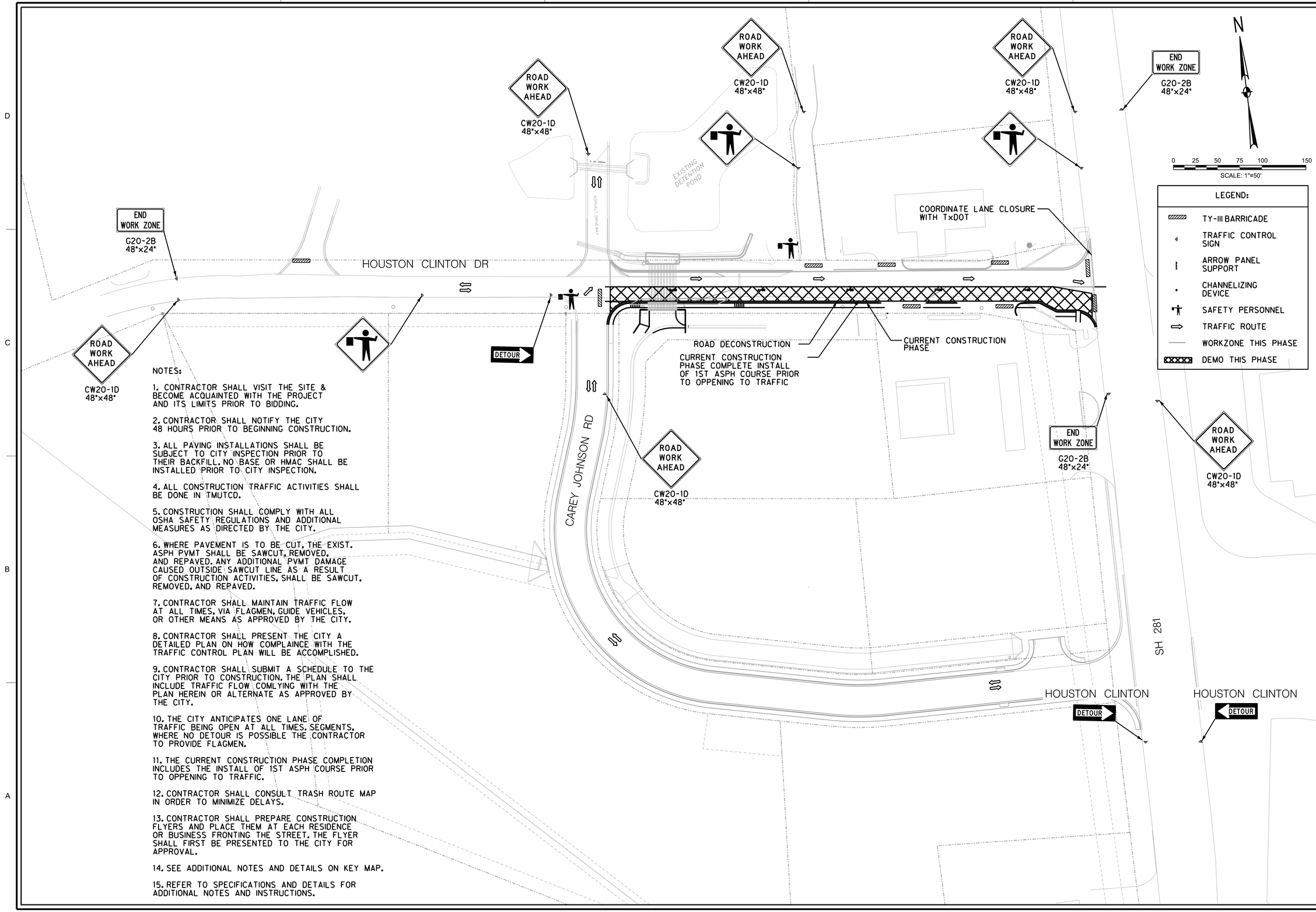
STATE OF TEXAS
ERALD BELAJ
107148
LICENSED
PROFESSIONAL ENGINEER

2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 3

SHEET NO.
C3

PID: CIPTR-2022C



NOTES:

1. CONTRACTOR SHALL VISIT THE SITE & BECOME ACQUAINTED WITH THE PROJECT AND ITS LIMITS PRIOR TO BIDDING.

2. CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

3. ALL PAVING INSTALLATIONS SHALL BE SUBJECT TO CITY INSPECTION PRIOR TO THEIR BACKFILL. NO BASE OR HMAC SHALL BE INSTALLED PRIOR TO CITY INSPECTION.

4. ALL CONSTRUCTION TRAFFIC ACTIVITIES SHALL BE DONE IN TMUTCD.

5. CONSTRUCTION SHALL COMPLY WITH ALL OSHA SAFETY REGULATIONS AND ADDITIONAL MEASURES AS DIRECTED BY THE CITY.

6. WHERE PAVEMENT IS TO BE CUT, THE EXIST. ASPH PVMT SHALL BE SAWCUT, REMOVED, AND REPAVED. ANY ADDITIONAL PVMT DAMAGE CAUSED OUTSIDE SAWCUT LINE AS A RESULT OF CONSTRUCTION ACTIVITIES, SHALL BE SAWCUT, REMOVED, AND REPAVED.

7. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES, VIA FLAGMEN, GUIDE VEHICLES, OR OTHER MEANS AS APPROVED BY THE CITY.

8. CONTRACTOR SHALL PRESENT THE CITY A DETAILED PLAN ON HOW COMPLAINCE WITH THE TRAFFIC CONTROL PLAN WILL BE ACCOMPLISHED.

9. CONTRACTOR SHALL SUBMIT A SCHEDULE TO THE CITY PRIOR TO CONSTRUCTION. THE PLAN SHALL INCLUDE TRAFFIC FLOW COMLYING WITH THE PLAN HEREIN OR ALTERNATE AS APPROVED BY THE CITY.

10. THE CITY ANTICIPATES ONE LANE OF TRAFFIC BEING OPEN AT ALL TIMES. SEGMENTS, WHERE NO DETOUR IS POSSIBLE THE CONTRACTOR TO PROVIDE FLAGMEN.

11. THE CURRENT CONSTRUCTION PHASE COMPLETION INCLUDES THE INSTALL OF 1ST ASPH COURSE PRIOR TO OPPENING TO TRAFFIC.

12. CONTRACTOR SHALL CONSULT TRASH ROUTE MAP IN ORDER TO MINIMIZE DELAYS.

13. CONTRACTOR SHALL PREPARE CONSTRUCTION FLYERS AND PLACE THEM AT EACH RESIDENCE OR BUSINESS FRONTING THE STREET. THE FLYER SHALL FIRST BE PRESENTED TO THE CITY FOR APPROVAL.

14. SEE ADDITIONAL NOTES AND DETAILS ON KEY MAP.

15. REFER TO SPECIFICATIONS AND DETAILS FOR ADDITIONAL NOTES AND INSTRUCTIONS.

CITY OF BURNET
1001 BUCHANAN DR, SUITE 04
BURNET, TX 78611
PH: (512) 756-6093

DESCRIPTION | DATE | NO.

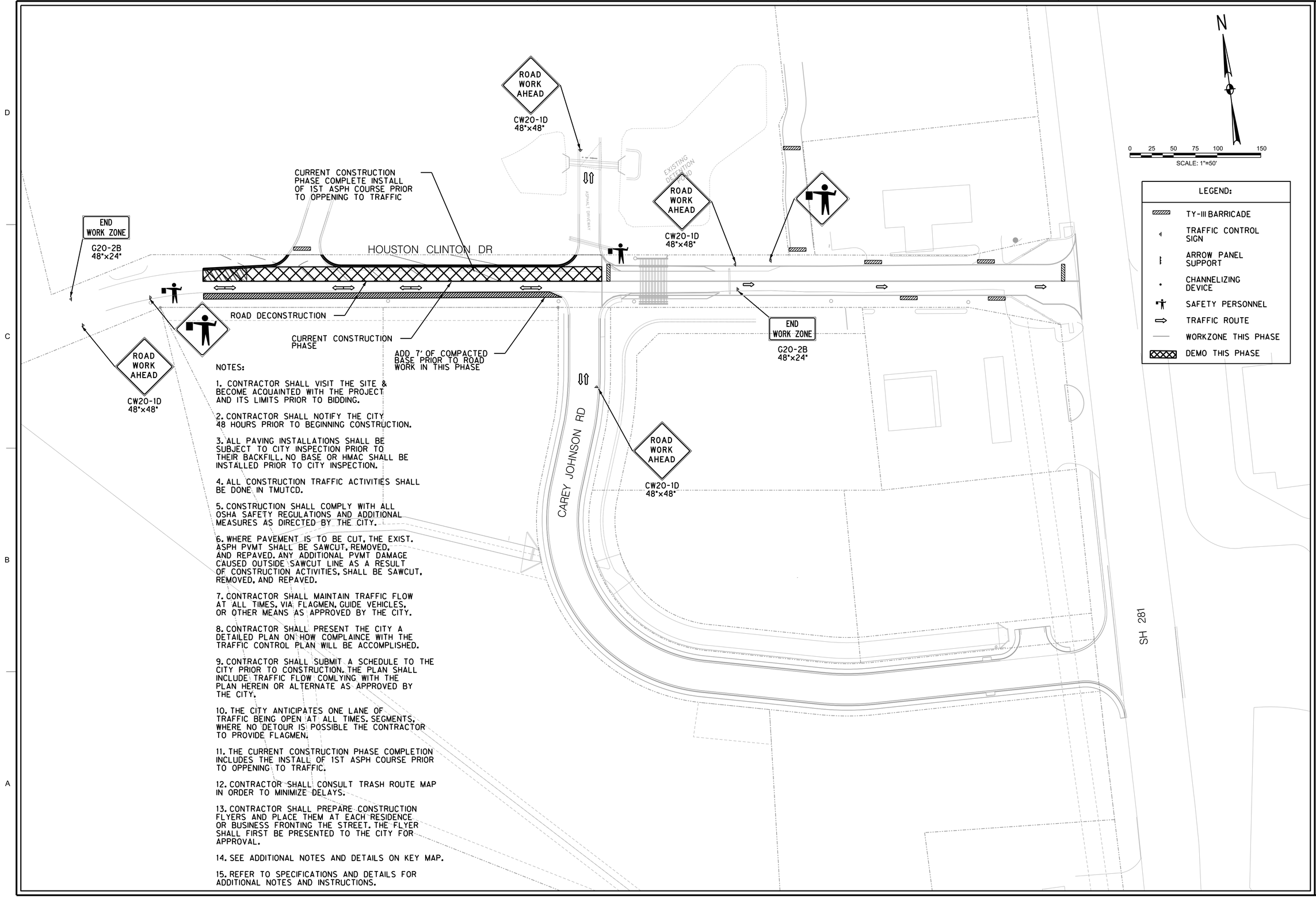
STATE OF TEXAS
ERALD BELAJ
107148
LICENSED
PROFESSIONAL ENGINEER

2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 4

SHEET NO.
C4

PID: CIPTR-2022C



NOTES:

1. CONTRACTOR SHALL VISIT THE SITE & BECOME ACQUAINTED WITH THE PROJECT AND ITS LIMITS PRIOR TO BIDDING.

2. CONTRACTOR SHALL NOTIFY THE CITY 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

3. ALL PAVING INSTALLATIONS SHALL BE SUBJECT TO CITY INSPECTION PRIOR TO THEIR BACKFILL. NO BASE OR HMAC SHALL BE INSTALLED PRIOR TO CITY INSPECTION.

4. ALL CONSTRUCTION TRAFFIC ACTIVITIES SHALL BE DONE IN TMUTCD.

5. CONSTRUCTION SHALL COMPLY WITH ALL OSHA SAFETY REGULATIONS AND ADDITIONAL MEASURES AS DIRECTED BY THE CITY.

6. WHERE PAVEMENT IS TO BE CUT, THE EXIST. ASPH PVMT SHALL BE SAWCUT, REMOVED, AND REPAVED. ANY ADDITIONAL PVMT DAMAGE CAUSED OUTSIDE SAWCUT LINE AS A RESULT OF CONSTRUCTION ACTIVITIES, SHALL BE SAWCUT, REMOVED, AND REPAVED.

7. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW AT ALL TIMES, VIA FLAGMEN, GUIDE VEHICLES, OR OTHER MEANS AS APPROVED BY THE CITY.

8. CONTRACTOR SHALL PRESENT THE CITY A DETAILED PLAN ON HOW COMPLAINCE WITH THE TRAFFIC CONTROL PLAN WILL BE ACCOMPLISHED.

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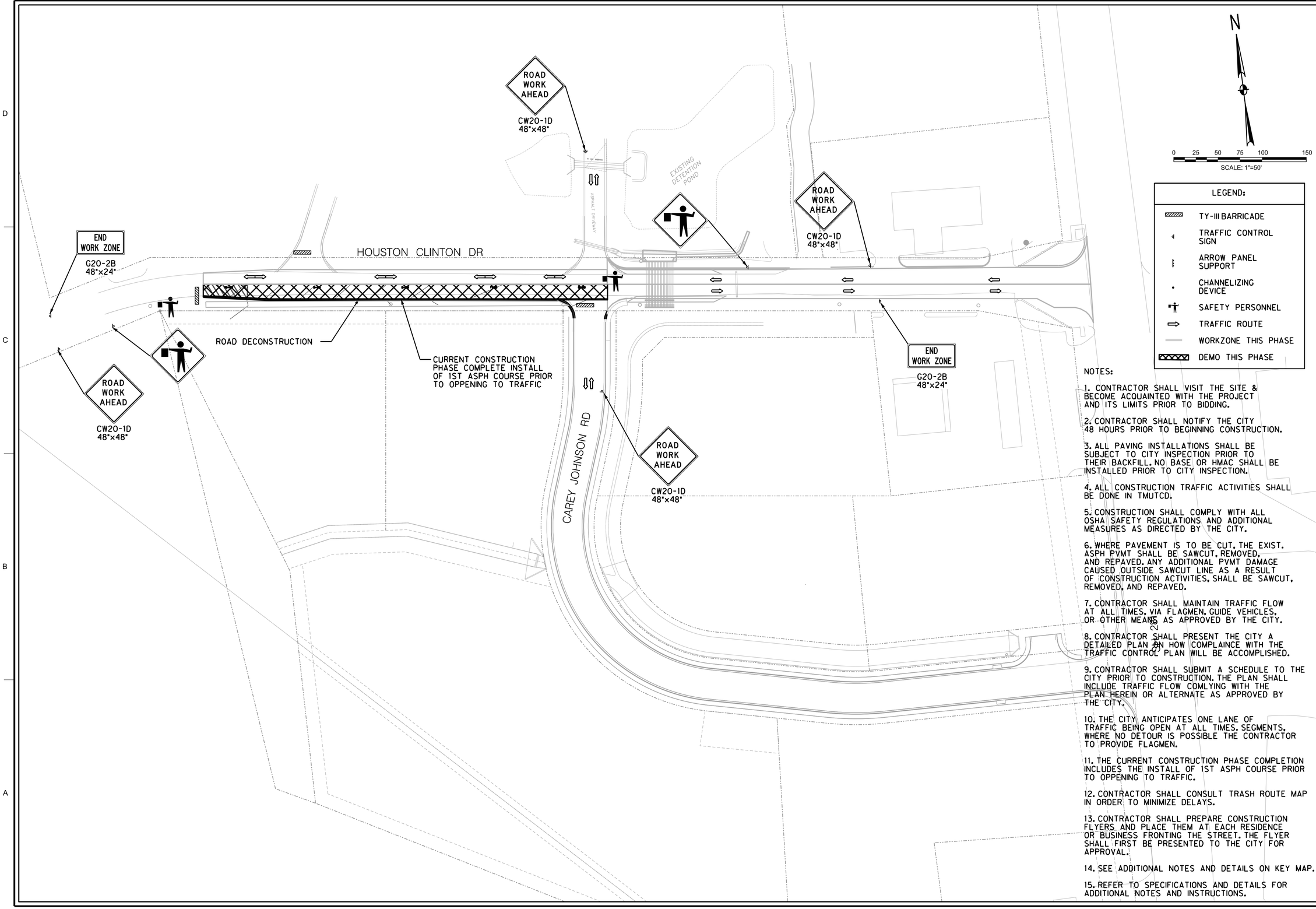
2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 5

SHEET NO.
C5

PID: CIPTR-2022C



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NO. | DESCRIPTION | DATE

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11-14-22

2023 STREET REHAB PROGRAM

TRAFFIC CONTROL PHASE 6

SHEET NO.
C6

PID: CIPTR-2022C