

AISD PROJECT NO. 19-1050-DELCO  
 WILHELMINA DELCO CENTER  
 4601 PECAN BROOK DR, AUSTIN, TX 78724

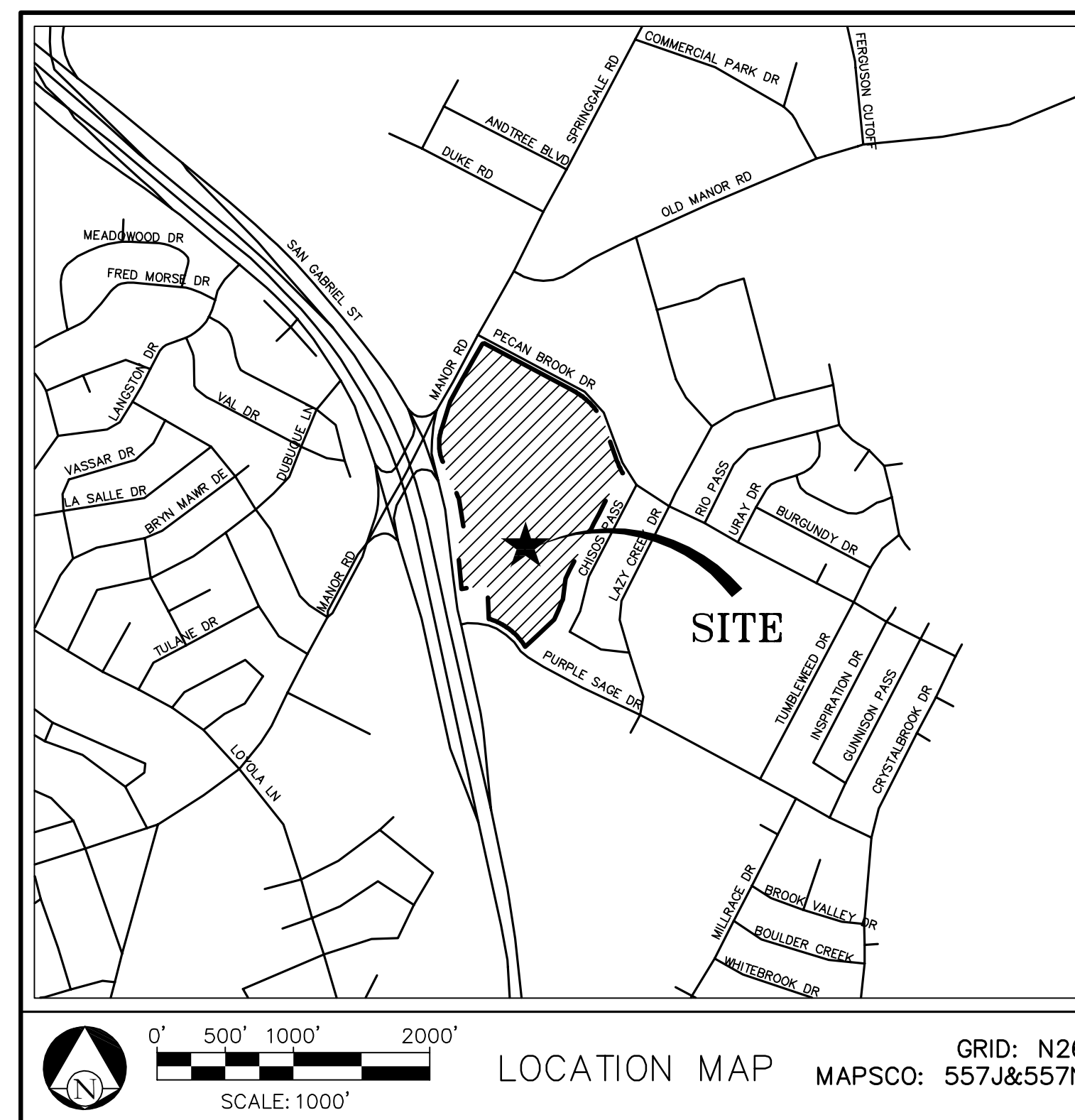
# PAVEMENT REPAIRS

**OWNER**  
 AUSTIN ISD  
 PM: MATTHEW GROSSO  
 812 SAN ANTONIO STREET, SUITE 200  
 AUSTIN, TEXAS 78701  
 PHONE: 512-414-4910

**DESIGN TEAM**  
**ENGINEER**  
 CIVIL ENGINEERING  
 CIVILITUDE LLC  
 5110 LANCASTER COURT  
 AUSTIN, TX 78723  
 (512) 761-6161

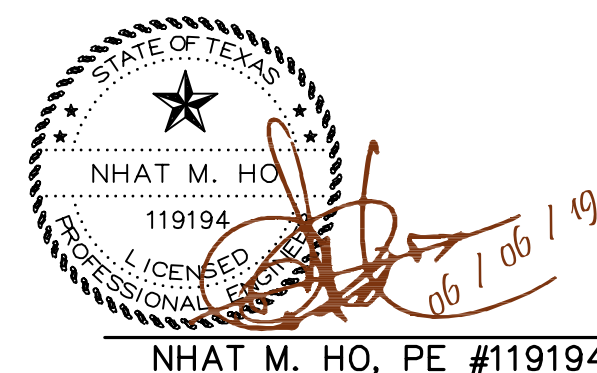
**SHEET INDEX**

- SHEET TITLE**
1. COVER
  2. GENETAL NOTES & DETAILS
  3. EROSION CONTROL PLAN
  4. PAVEMENT REPAIR PLAN
  5. ALTERNATE #3 - DRAINAGE IMPROVEMENTS PLAN
  6. DETAILS
  7. REFERENCE GRADING PLAN 1 OF 2
  8. REFERENCE GRADING PLAN 2 OF 2



AISD WILHELMINA DELCO CENTER  
 4601 PECAN BROOK DR  
 AUSTIN, TEXAS 78724

SUBMITTED BY



06/06/2019  
 DATE


**CIVILITUDE**  
 ENGINEERS & PLANNERS  
 FIRM REC# F-12469    5110 LANCASTER CT    AUSTIN, TX 78723  
 PHONE 512 761 6161    FAX 512 761 6167    INFO@CIVILITUDE.COM

**CONSTRUCTION NOTES**

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. CONTRACTOR TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING EXCESS AND WASTE MATERIAL, INCLUDING METHODS OF HANDLING AND DISPOSAL. ALL DEBRIS OR EXCESS SOIL TO BE HAULED AWAY.
3. USE TEXAS 811 UTILITY LOCATE: DIAL (800) 344-8377 AT LEAST 48 HOURS BEFORE YOU DIG.
4. QUANTITIES CALLED OUT ON PLANS ARE FOR BASE BID. ACTUAL QUANTITIES WILL USE UNIT PRICES AS ADDITIONS/DEDUCTIONS.

**REVEGETATION NOTES**

1. REVEG ALL DISTURBED AREAS USING HYDROMULCH SEEDING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR VEGETATIVE ESTABLISHMENT INCLUDING THE INSTALLATION OF NECESSARY TEMPORARY IRRIGATION SYSTEM & RESEEDING IN THE FALL. EX IRRIGATION SYSTEM CAN BE USED WHERE AVAILABLE.
3. INSTALL PERMANENT SOIL RETENTION BLANKET(JUTE MESH OR APPROVED EQUAL) FOR ALL SLOPES GRATER THAN 1V:10H(10%). APPROXIMATE AREA 2,800 SY.

**EROSION CONTROL NOTES**

1. EROSION CONTROL MEASURES, SITE WORK AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN EROSION AND SEDIMENTATION CONTROL ORDINANCE.
2. ALL SLOPES SHALL BE SODDED OR SEEDED WITH APPROVED GRASS. GRASS MIXTURES OR GROUND COVER SUITABLE TO THE AREA AND SEASON IN WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS, SEDIMENTATION BASINS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF AUSTIN FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CIVILITUDE, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.
5. ALL MUD, DIRT, ROCKS, DEBRIS, ETC., SPILLED, TRACKED OR OTHERWISE DEPOSITED ON EXISTING PAVED STREETS, DRIVES AND AREAS USED BY THE PUBLIC SHALL BE CLEANED UP IMMEDIATELY.
6. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
7. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.
8. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
9. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT, 767-6672, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE.
10. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
11. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
12. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
13. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS: ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION.
14. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 6015-3(A)] DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES. THE TOPSOIL SHALL BE COMPOSED OF 3 PARTS OF SOIL MIXED WITH 1 PART COMPOST, BY VOLUME. THE COMPOST SHALL BE DILLO DIRT OR AN EQUAL APPROVED BY THE ENGINEER, OR DESIGNATED REPRESENTATIVE. THE APPROVED EQUAL, IF USED, SHALL MEET THE DEFINITION OF COMPOST (AS DEFINED BY TXDOT SPECIFICATION ITEM 161). THE SOIL SHALL BE LOCALLY AVAILABLE NATIVE SOIL THAT MEETS THE FOLLOWING SPECIFICATIONS:
  - SHALL BE FREE OF TRASH, WEEDS, DELETERIOUS MATERIALS, ROCKS, AND DEBRIS.
  - 100% SHALL PASS THROUGH A 0.375-INCH (3/8") SCREEN.
  - SOIL TEXTURE CLASS TO BE LOAM, SANDY CLAY LOAM, OR SANDY LOAM IN ACCORDANCE WITH THE USDA TEXTURE TRIANGLE. SOIL KNOWN LOCALLY AS "RED DEATH" OR AUSTIN SANDY LOAM IS NOT AN ALLOWABLE SOIL. TEXTURAL COMPOSITION SHALL MEET THE FOLLOWING CRITERIA:

TEXTURE CLASS	MINIMUM	MAXIMUM
CLAY	5%	25%
SILT	10%	50%
SAND	30%	80%

- TOPSOIL SALVAGED FROM THE EXISTING SITE MAY OFTEN BE USED, BUT IT SHOULD MEET THE SAME STANDARDS AS SET FORTH IN THESE STANDARDS.
- THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

**9.1 TEMPORARY VEGETATIVE STABILIZATION:**

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH COOL SEASON COVER CROPS (WHEAT AT 0.5 POUNDS PER 1000 SF, OATS AT 0.5 POUNDS PER 1000 SF, CEREAL RYE GRAIN AT 0.5 POUNDS PER 1000 SF) WITH A TOTAL RATE OF 1.5 POUNDS PER 1000 SF. COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 1 POUNDS PER 1000 SF.
  - a. FERTILIZER SHALL BE WATER SOLUBLE WITH AN ANALYSIS OF 15-15-15 TO BE APPLIED ONCE AT PLANTING AND ONCE DURING THE PERIOD OF ESTABLISHMENT AT A RATE OF 1/2 POUND PER 1000 SF.
  - b. HYDROMULCH SHALL COMPLY WITH TABLE1, BELOW.
  - c. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 1/2 INCHES HIGH WITH 95% COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 16 SQUARE FEET EXIST.
  - d. WHEN REQUIRED, NATIVE GRASS SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL.

HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION				
MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATION	APPLICATION RATES
100% OR ANY BLEND OF WOOD, CELLULOSE, STRAW, AND/OR COTTON PLANT MATERIAL (EXCEPT NO MULCH SHALL EXCEED 30% PAPER)	70% OR GREATER WOOD/STRAW 30% OR LESS PAPER OR NATURAL FIBERS	0-3 MONTHS	MODERATE SLOPES; FROM FLAT TO 3:1	1500 TO 200 LBS PER ACRE

**9.2 PERMANENT VEGETATIVE STABILIZATION:**

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (1/2) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH 2. BELOW.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 1 POUND PER 1000 SF WITH A PURITY OF 95% WITH 85% GERMINATION. BERMUDA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL.
  - a. FERTILIZER SHALL BE A WATER SOLUBLE WITH AN ANALYSIS OF 15-15-15 TO BE APPLIED ONCE AT PLANTING AND ONCE DURING THE PERIOD OF ESTABLISHMENT AT A RATE OF 1/2 POUND PER 1000 SF.
  - b. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.
  - c. THE PLANTED AREA SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF SIX INCHES. THE IRRIGATION SHALL OCCUR AT DAILY INTERVALS (MINIMUM) DURING THE FIRST TWO MONTHS. RAINFALL OCCURRENCES OF 1/2 INCH OR MORE SHALL POSTPONE THE WATERING SCHEDULE FOR ONE WEEK.
  - d. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 1/2 INCHES HIGH WITH 95% COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 16 SQUARE FEET EXIST.
  - e. WHEN REQUIRED, NATIVE GRASS SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL.

HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION				
MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATION	APPLICATION RATES
BONDED FIBER MATRIX (BFM)	80% ORGANIC DEFIBRATED FIBERS 10% TACKIFIER	6 MONTHS	ON SLOPES UP TO 2:1 AND ERODIVE SOIL CONDITIONS	2500 TO 4000 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS)
FIBER REINFORCED MATRIX (FRM)	65% ORGANIC DEFIBRATED FIBERS 25% REINFORCING FIBERS OR LESS 10% TACKIFIER	UP TO 12 MONTHS	ON SLOPES UP TO 1:1 AND ERODIVE SOIL CONDITIONS	3000 TO 4500 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS)

10. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE WATERSHED PROTECTION DEPARTMENT AT 767-6672 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.
11. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING.
12. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS.
13. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER EOM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
14. CONTRACTOR TO CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.

NO.	DATE	REVISIONS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

**AISD WILHELMINA DELCO CENTER**  
4601 PECAN BROOK DR, AUSTIN, TX 78724


**GENERAL NOTES AND DETAILS**



**CIVILITUDE**  
ENGINEERS & PLANNERS

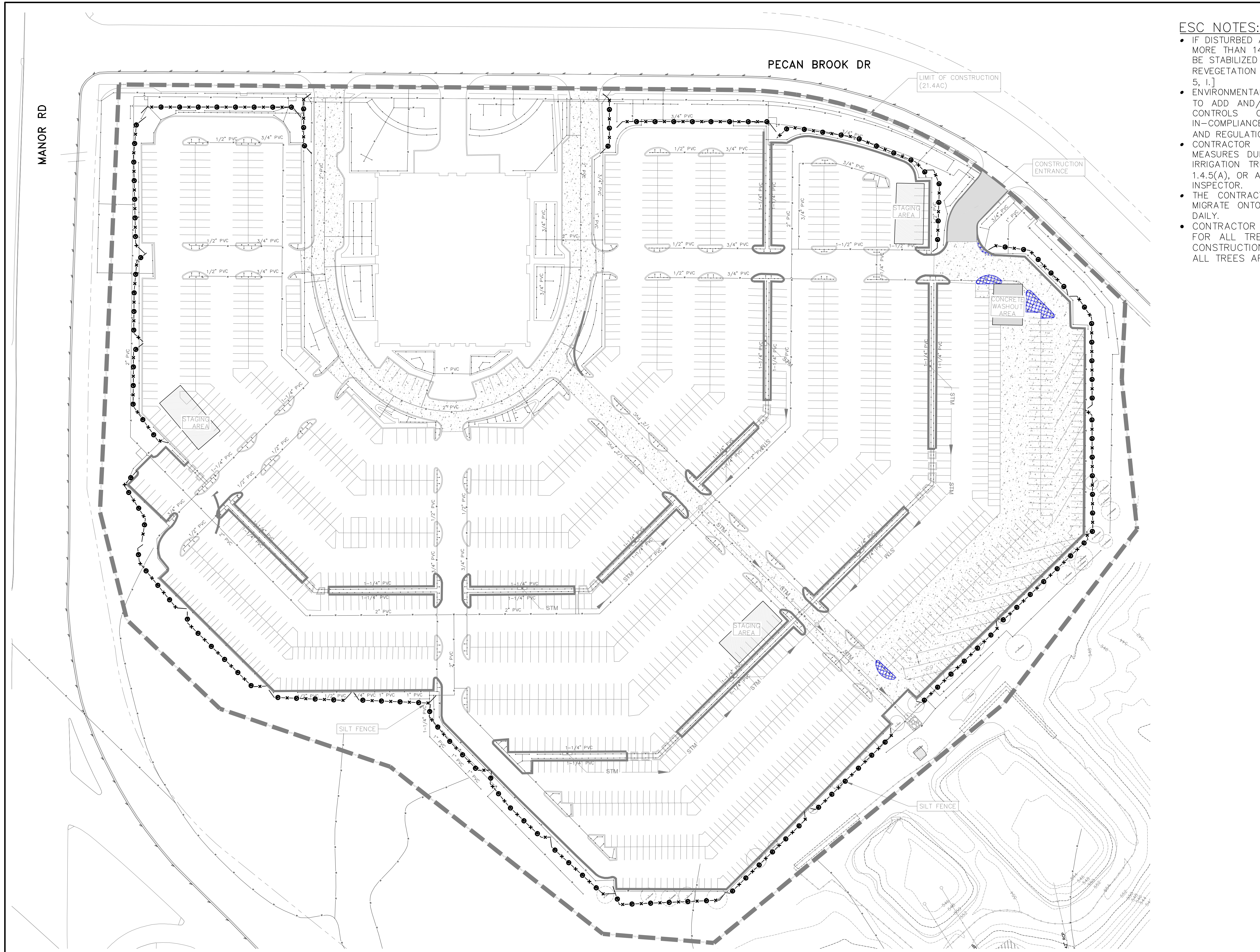
5110 LANCASTER CT, AUSTIN, TX 78723 FIRM REG NO. F12469  
PHONE 512 761 6161 FAX 512 761 6161 INFO@CIVILITUDE.COM

SCALE: \_\_\_\_\_ NTS \_\_\_\_\_ DGN. BY: \_\_\_\_\_ NMH \_\_\_\_\_  
JOB NO. \_\_\_\_\_ A413-001 \_\_\_\_\_ DWN. BY: \_\_\_\_\_ ISL \_\_\_\_\_



NHAT M. HO  
119194  
06.06.19

SHEET NO. **2** OF **8**



**ESC NOTES:**

- IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3, SECTION 5, I.]
- ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]
- CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
- THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
- CONTRACTOR TO INSTALL TREE PROTECTIONS FOR ALL TREES THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES PER DETAILS. NOT ALL TREES ARE SHOWN.

**LEGEND**

- TREE TO BE REMOVED
- PROPOSED LEGEND**
- INLET PROTECTION
- TREE PROTECTION
- LIMIT OF CONSTRUCTION
- ⊗ SF ⊗ SILT FENCE
- MULCH SOCK
- SCS STABILIZED CONSTRUCTION ENTRANCE



NO.	DATE	REVISIONS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

**AISD WILHELMINA DELCO CENTER**  
 4601 PECAN BROOK DR, AUSTIN, TX 78724

**EROSION CONTROL PLAN**

**CIVILITUDE**  
 ENGINEERS & PLANNERS

5110 LANCASTER CT, AUSTIN, TX 78723  
 FIRM REG. NO. F12469

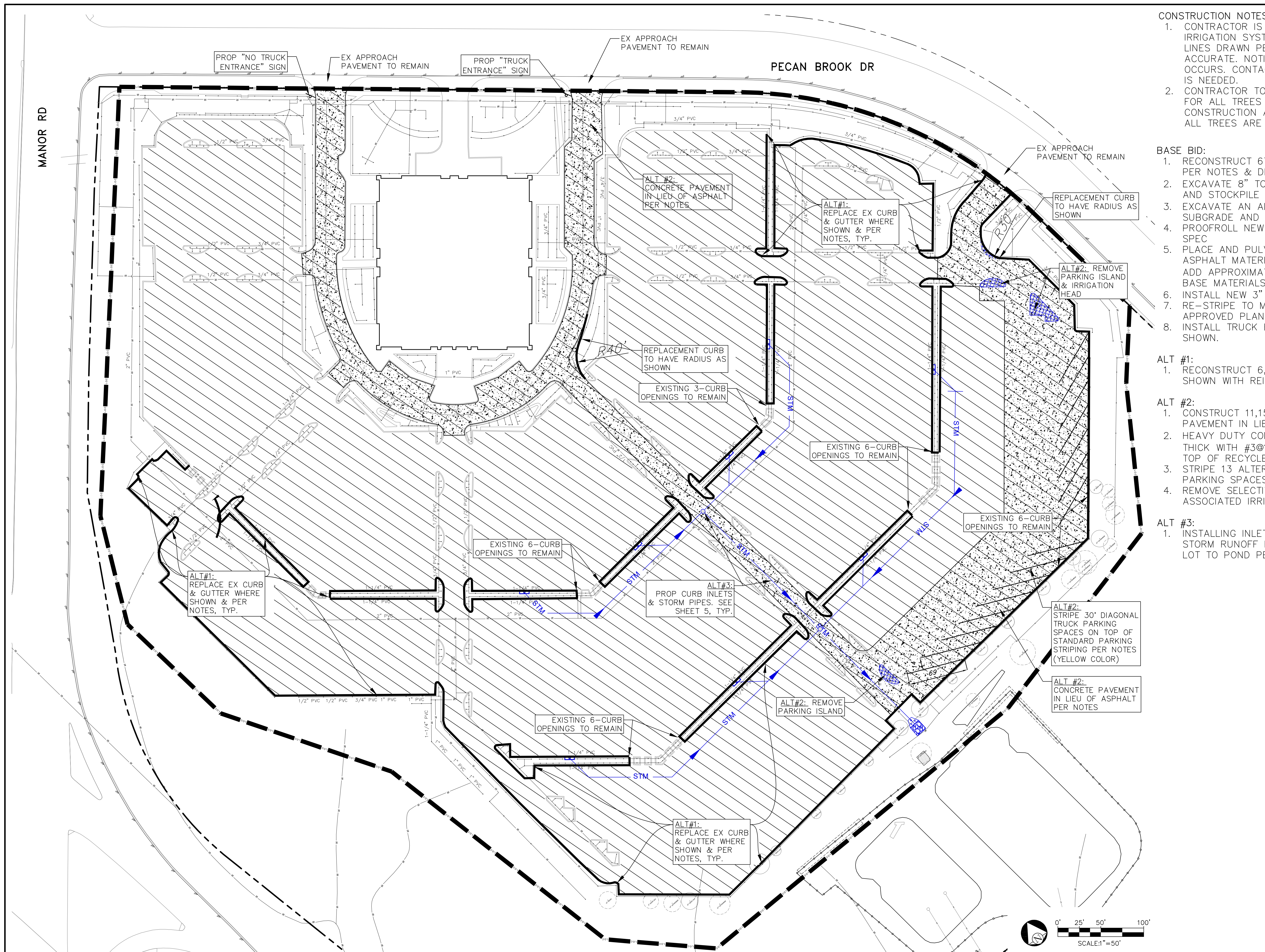
PHONE: 512 761 6161  
 FAX: 512 761 6167  
 INFO@CIVILITUDE.COM

SCALE: 1"=50' DGN. BY: NMH  
 JOB NO. A413-001 DWN. BY: ISL

119194  
 NHAT M. HO  
 LICENSED PROFESSIONAL ENGINEER

06-10-19

SHEET NO. 3 OF 8



- CONSTRUCTION NOTES:**
- CONTRACTOR IS RESPONSIBLE TO PROTECT EX IRRIGATION SYSTEM ON SITE. LOCATION OF LINES DRAWN PER AS-BUILT, MAY NOT BE ACCURATE. NOTIFY ENGINEER IF CONFLICT OCCURS. CONTACT AISD IF EMERGENCY REPAIR IS NEEDED.
  - CONTRACTOR TO INSTALL TREE PROTECTIONS FOR ALL TREES THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES PER DETAILS. NOT ALL TREES ARE SHOWN.
- BASE BID:**
- RECONSTRUCT 67,150 SY OF ASPHALT PARKING PER NOTES & DETAILS.
  - EXCAVATE 8" TO THE BOTTOM OF EXISTING BASE AND STOCKPILE MATERIAL FOR REUSE.
  - EXCAVATE AN ADDITIONAL 6" OF EXISTING SUBGRADE AND DISPOSE.
  - PROFROLL NEW SUBGRADE PER CITY OF AUSTIN SPEC
  - PLACE AND PULVERIZE RECYCLE BASE AND ASPHALT MATERIALS AS THE NEW BASE LAYER. ADD APPROXIMATELY 3" OF NEW ADDITIONAL FLEX BASE MATERIALS.
  - INSTALL NEW 3" HMA TYPE C.
  - RE-STRIPE TO MATCH EXISTING CONDITIONS. SEE APPROVED PLANS FOR REFERENCE SHEETS 7 & 8.
  - INSTALL TRUCK ENTRANCE RELATED SIGNAGE AS SHOWN.
- ALT #1:**
- RECONSTRUCT 6,720 LF OF CURB & GUTTER AS SHOWN WITH REINFORCEMENT PER DETAILS.
- ALT #2:**
- CONSTRUCT 11,153 SY OF HEAVY DUTY CONCRETE PAVEMENT IN LIEU OF ASPHALT AS SHOWN.
  - HEAVY DUTY CONCRETE SECTION SHALL BE 7" THICK WITH #3@18" MAX OC EW REINFORCEMENT ON TOP OF RECYCLED & NEW BASE.
  - STRIPE 13 ALTERNATE 30' DIAGONAL TRUCK PARKING SPACES AS SHOWN.
  - REMOVE SELECTIVE PARKING ISLANDS & CAP ASSOCIATED IRRIGATION HEADS AS SHOWN.
- ALT #3:**
- INSTALLING INLETS, PIPES & HEADWALL TO CONVEY STORM RUNOFF FROM LOWER HALF OF PARKING LOT TO POND PER SHEET 5.

NO.	DATE	REVISIONS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

**AISD WILHELMINA DELCO CENTER**  
4601 PECAN BROOK DR, AUSTIN, TX 78724

**PAVEMENT REPAIR PLAN**

**CIVILITUDE**  
ENGINEERS & PLANNERS

5110 LANCASTER CT, AUSTIN, TX 78723  
FIRM REG NO. F12469

PHONE 512 761 6161  
FAX 512 761 6167  
INFO@CIVILITUDE.COM

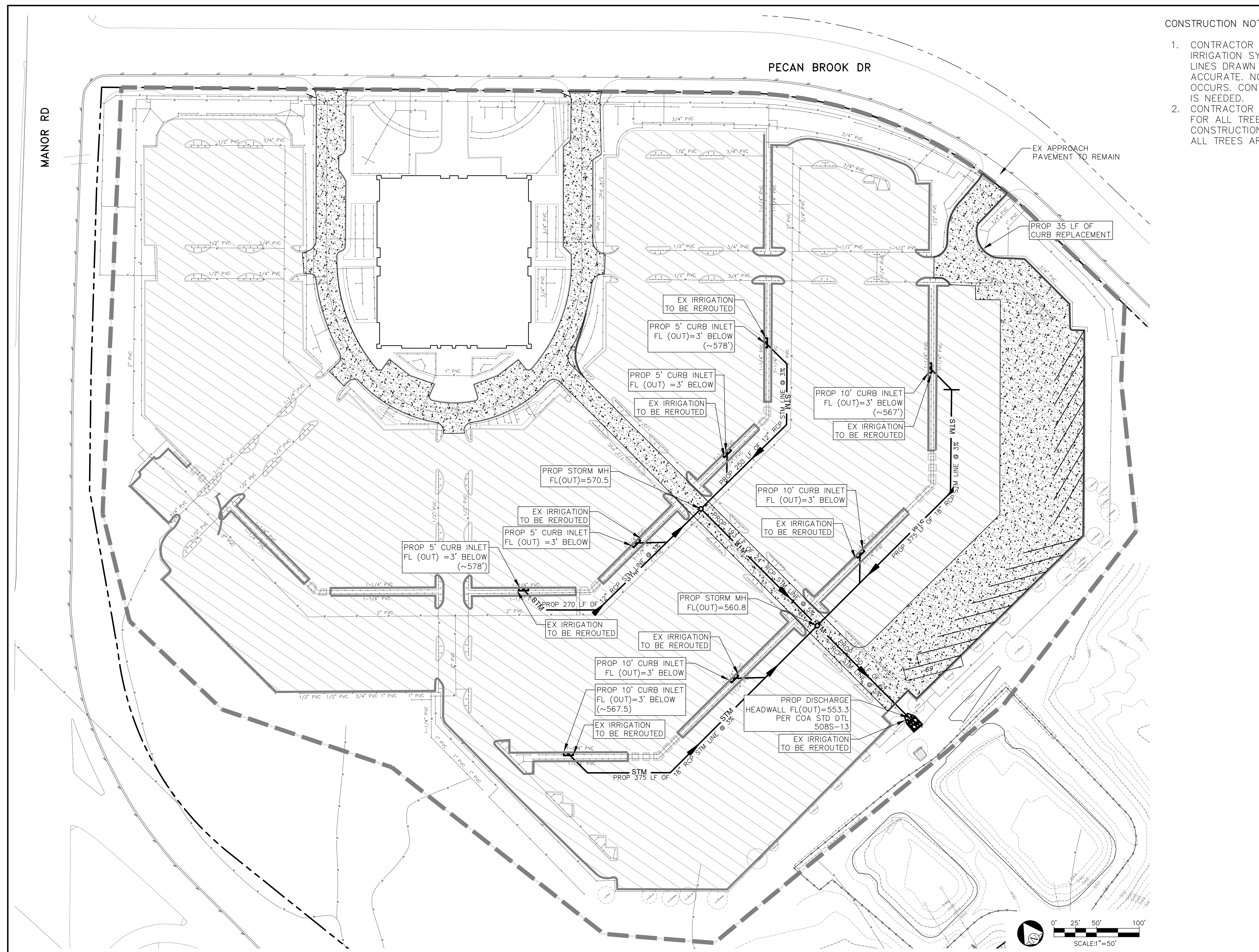
SCALE: 1"=50'      DGN. BY: NMH  
JOB NO. A413-001      DWN. BY: ISL

NHAT M. HO  
119194  
06.06.19

SHEET NO. 4 OF 8

CONSTRUCTION NOTES:

1. CONTRACTOR IS RESPONSIBLE TO PROTECT EX IRRIGATION SYSTEM ON SITE. LOCATION OF LINES DRAWN PER AS-BUILT, MAY NOT BE ACCURATE. NOTIFY ENGINEER IF CONFLICT OCCURS. CONTACT AISD IF EMERGENCY REPAIR IS NEEDED.
2. CONTRACTOR TO INSTALL TREE PROTECTIONS FOR ALL TREES THAT MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES PER DETAILS. NOT ALL TREES ARE SHOWN.



NO.	DATE	REVISIONS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

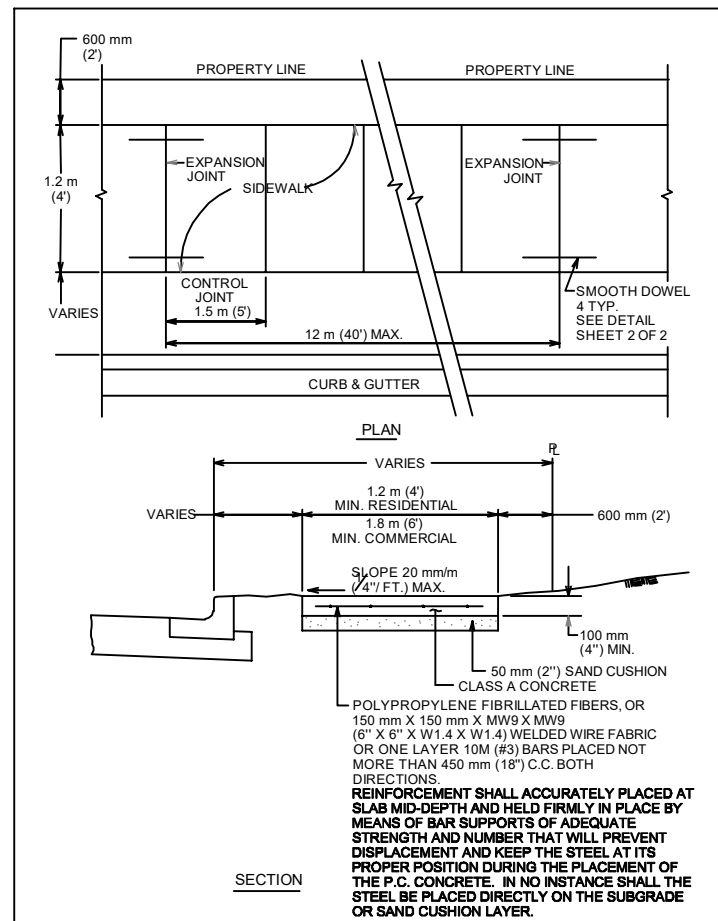
**AISD WILHELMINA DELCO CENTER**  
 4601 PECAN BROOK DR, AUSTIN, TX 78724  
**ALTERNATE #3 - DRAINAGE IMPROVEMENTS PLAN**

**CIVILITUDE**  
 ENGINEERS & PLANNERS

5110 LANCASTER CT, AUSTIN, TX 78723 FIRM REG. NO. F12469  
 PHONE 512 761 6161 FAX 512 761 6167 INFO@CIVILITUDE.COM

SCALE: 1"=50' DGN. BY: NMH  
 JOB NO. A413-001 DWN. BY: ISL

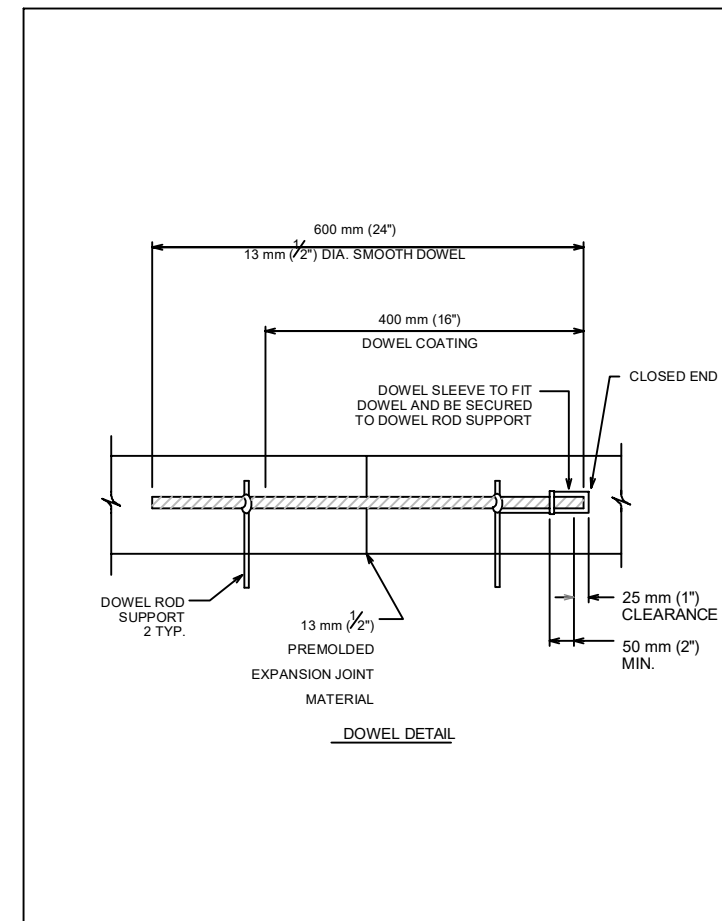
06.06.19 SHEET NO. 5 OF 8



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

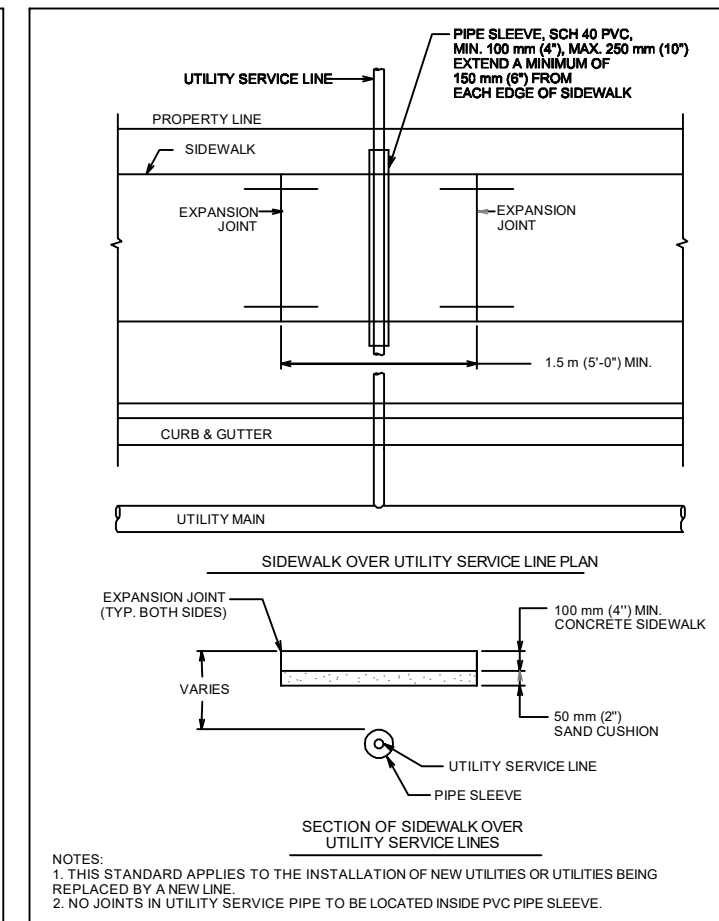
STANDARD NO. 432S-1  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

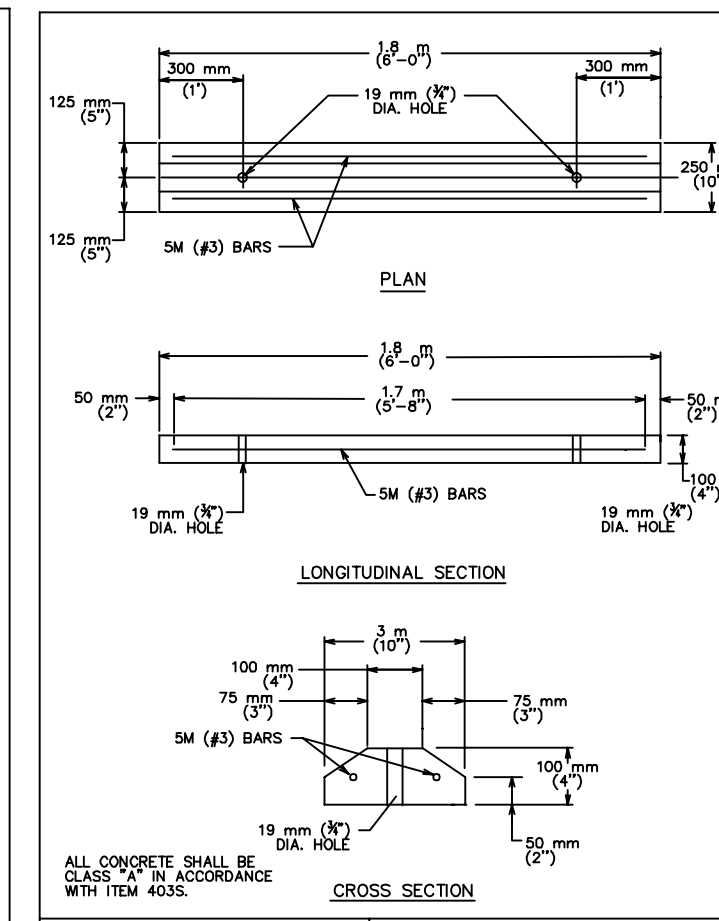
STANDARD NO. 432S-1  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

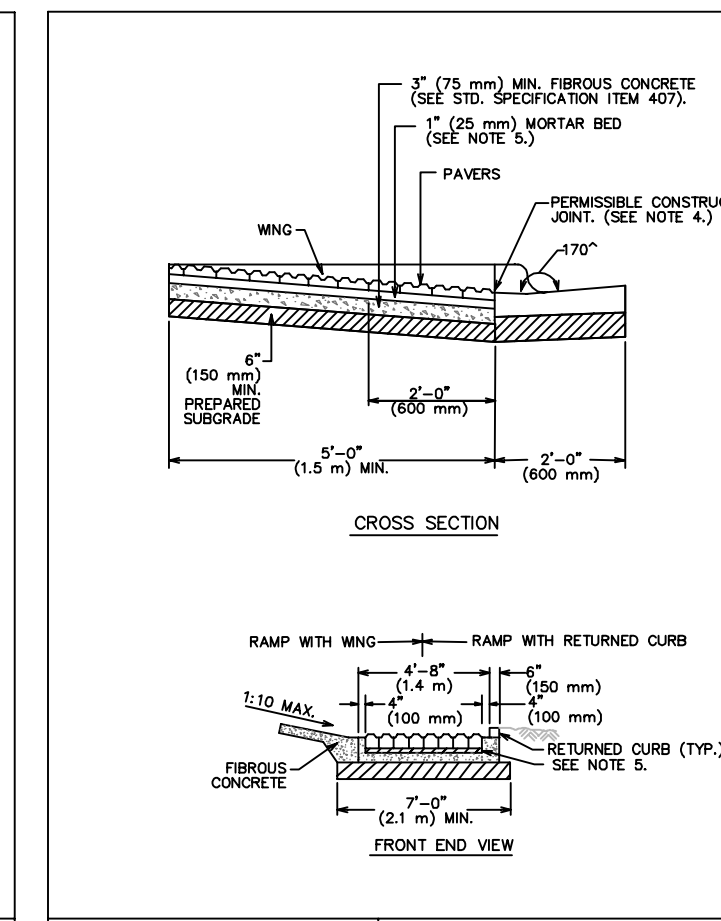
STANDARD NO. 432S-1  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

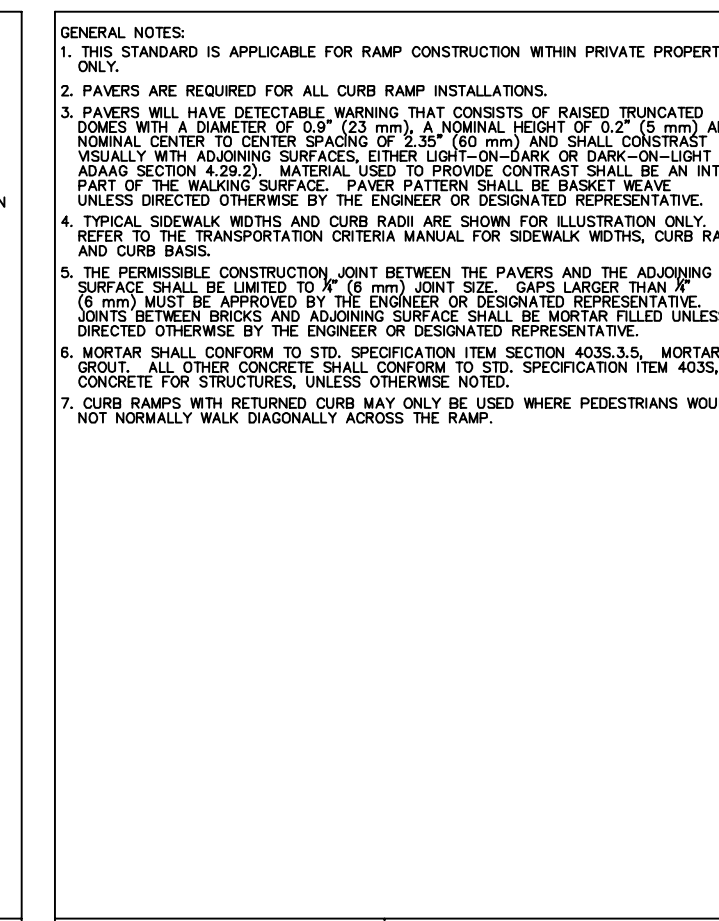
STANDARD NO. 439S-1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
06/21/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

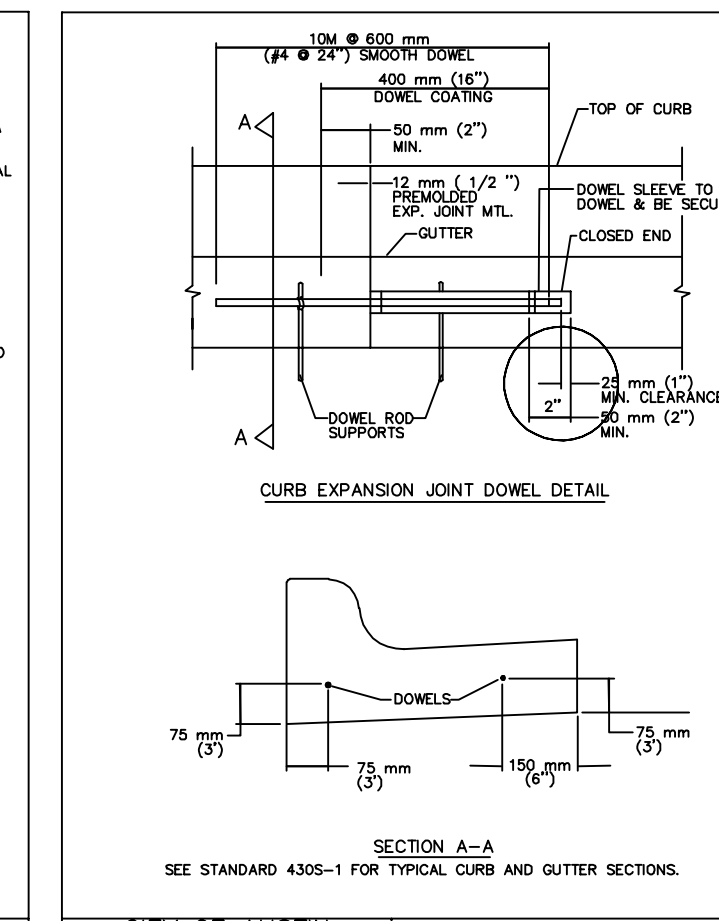
STANDARD NO. 432S-2B  
1.2.2



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
06/21/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

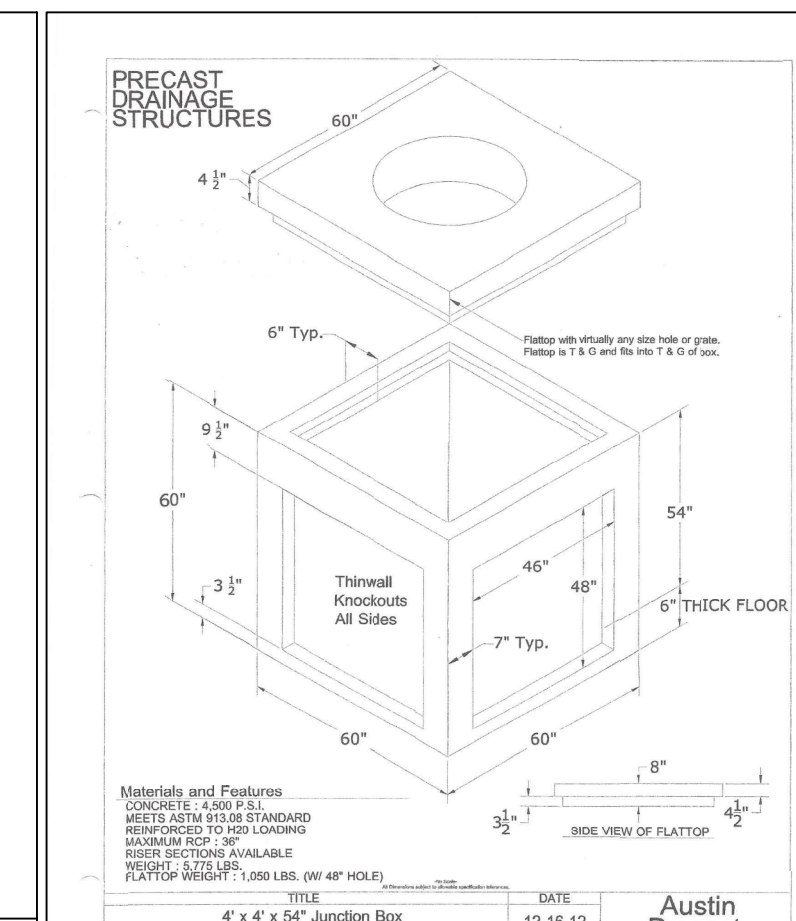
STANDARD NO. 432S-2B  
1.2.2



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
RECORD COPY SIGNED BY LINDA RIVERA  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

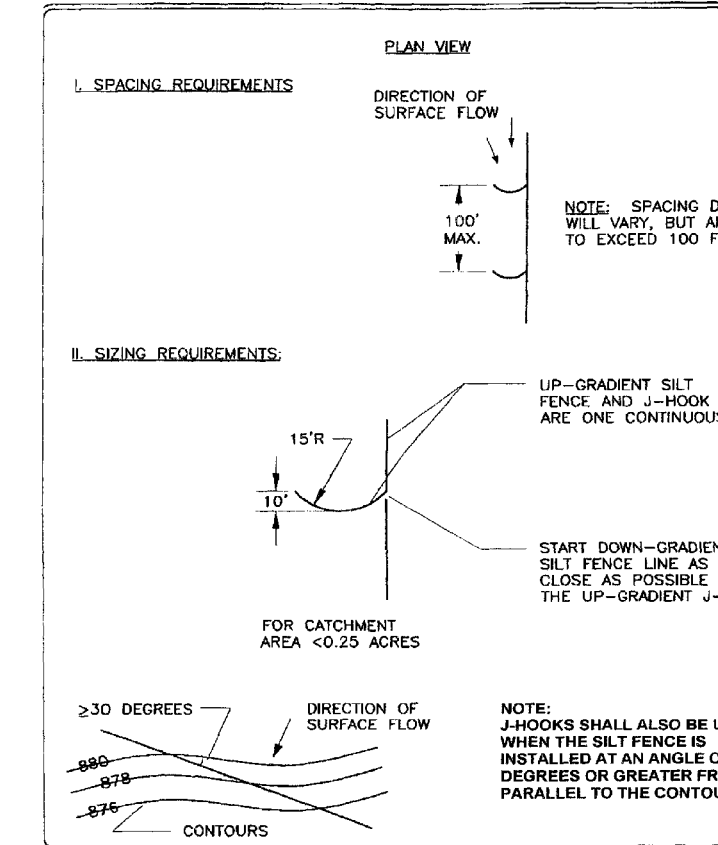
STANDARD NO. 430S-3



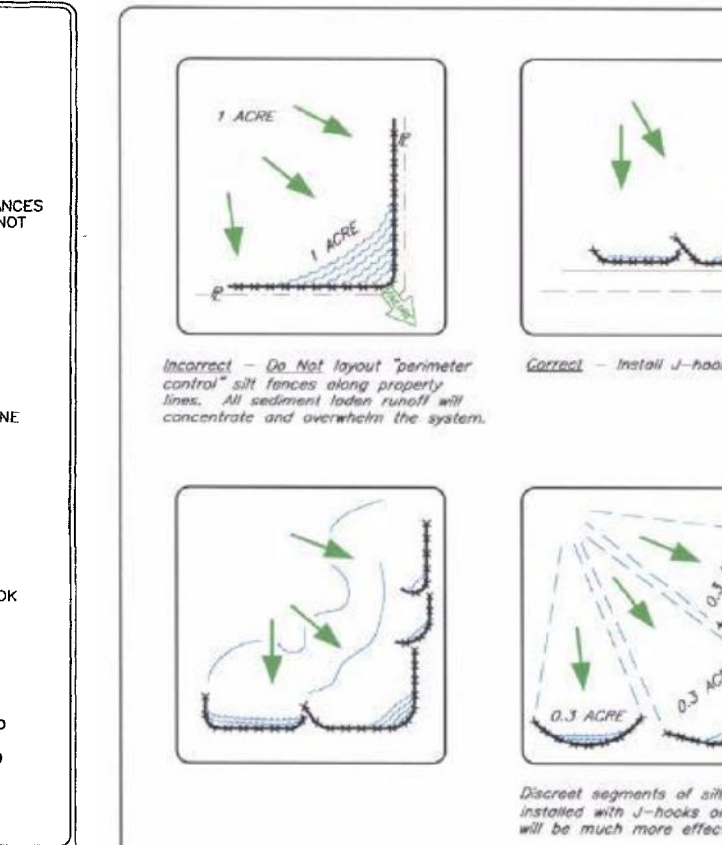
CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION  
RECORD COPY SIGNED BY LINDA RIVERA  
09/29/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

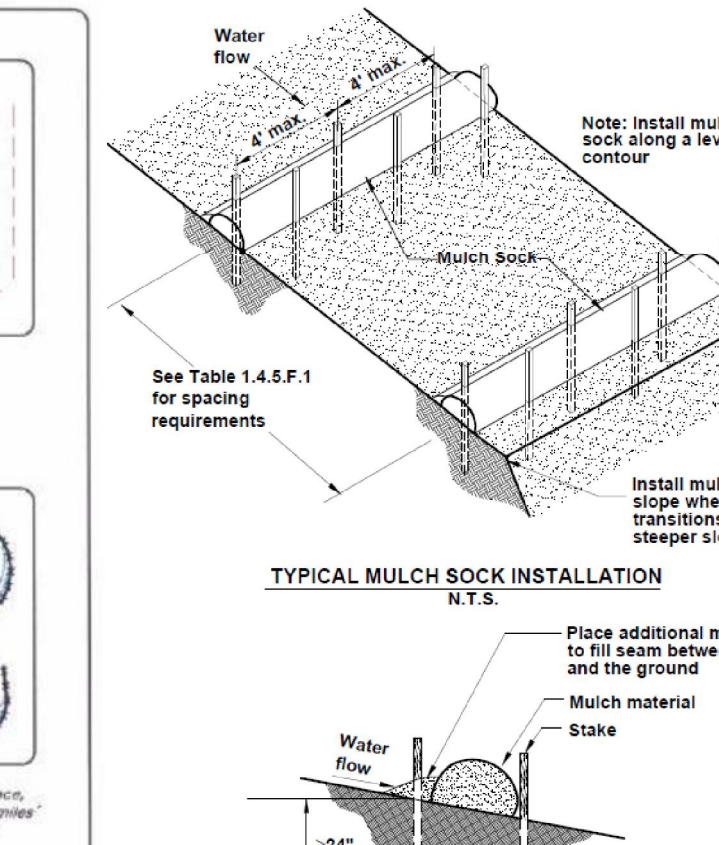
STANDARD NO. 430S-3



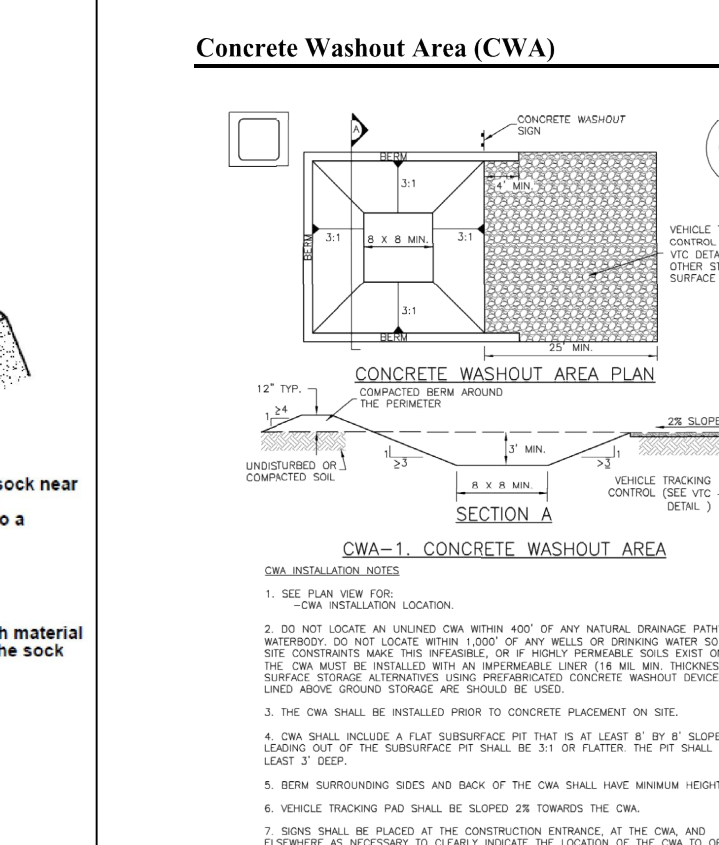
SILT FENCE J-HOOK DETAIL  
ECM FIGURE 1.4.5.G.4



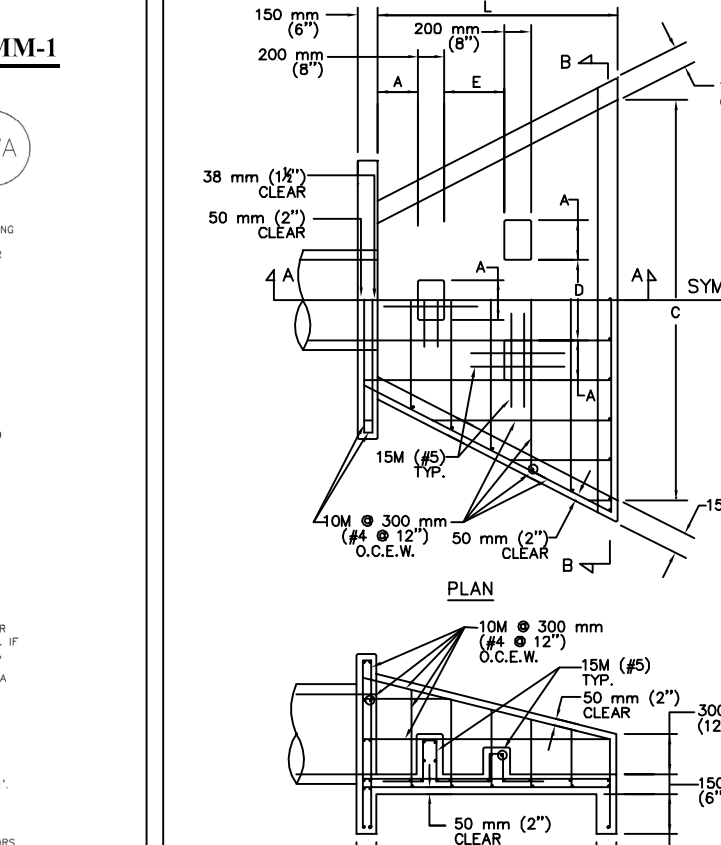
SILT FENCE PLACEMENT FOR PERIMETER CONTROL



MULCH LOG DETAIL ECM FIGURE 1.4.5.F



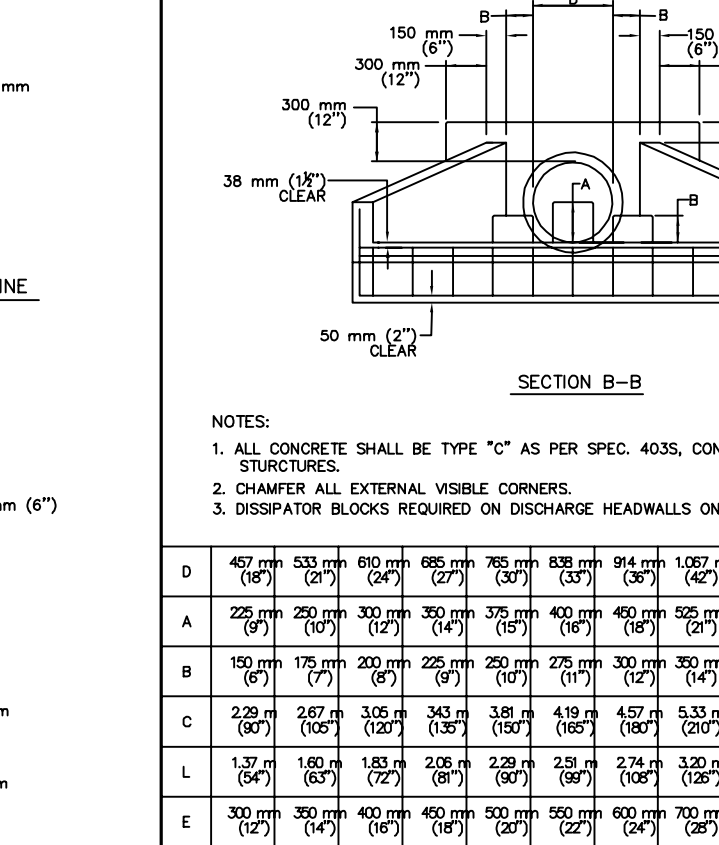
Concrete Washout Area (CWA) MM-1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

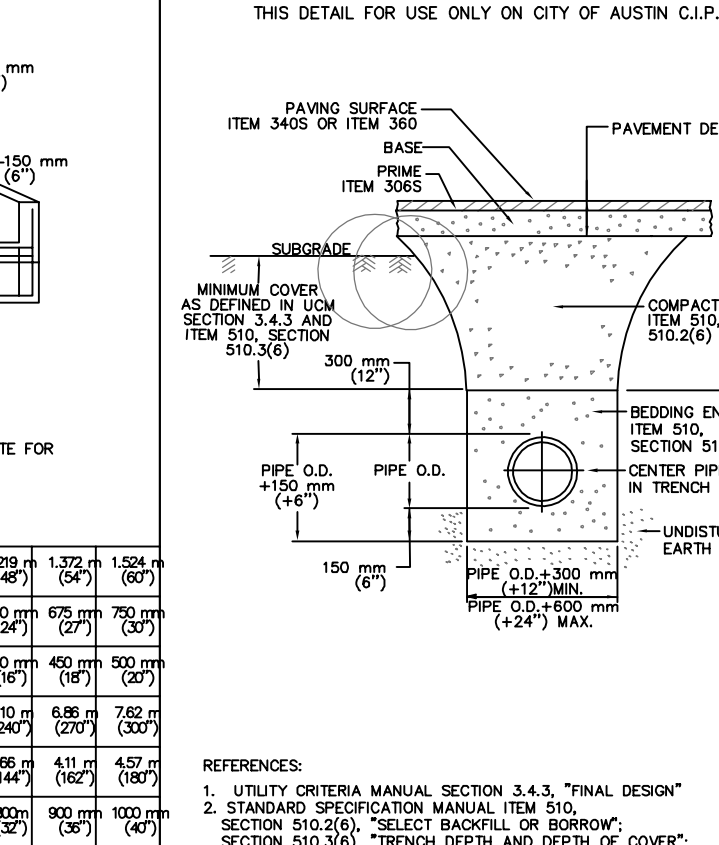
STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

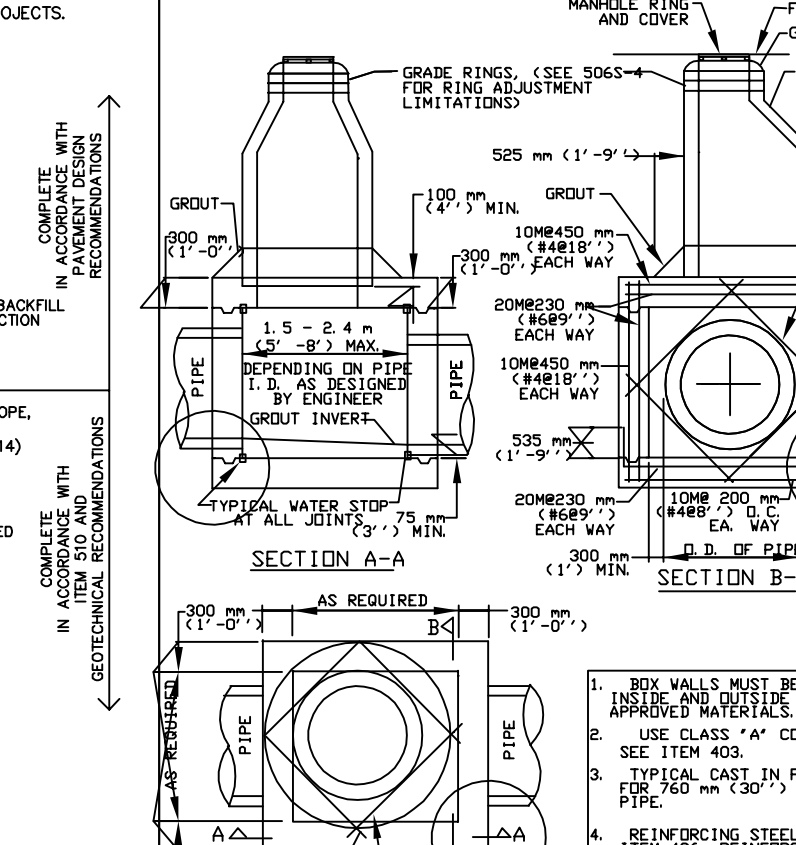
STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
03/15/06  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

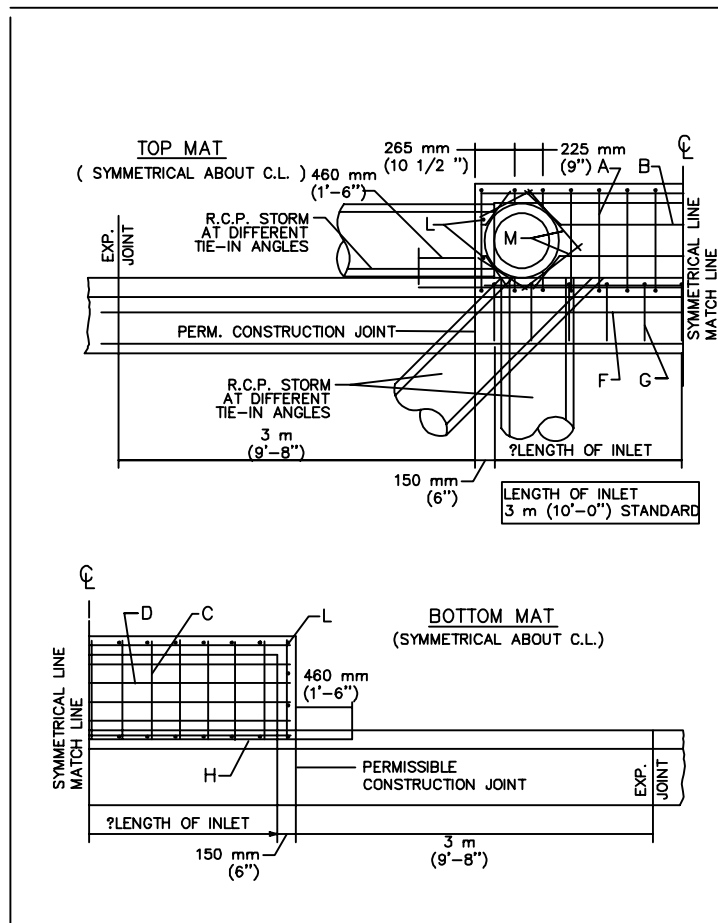
TYPICAL DETAIL FOR PROPOSED STREET  
510S-4



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY RUTH L. FLETCHER  
01/17/04  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

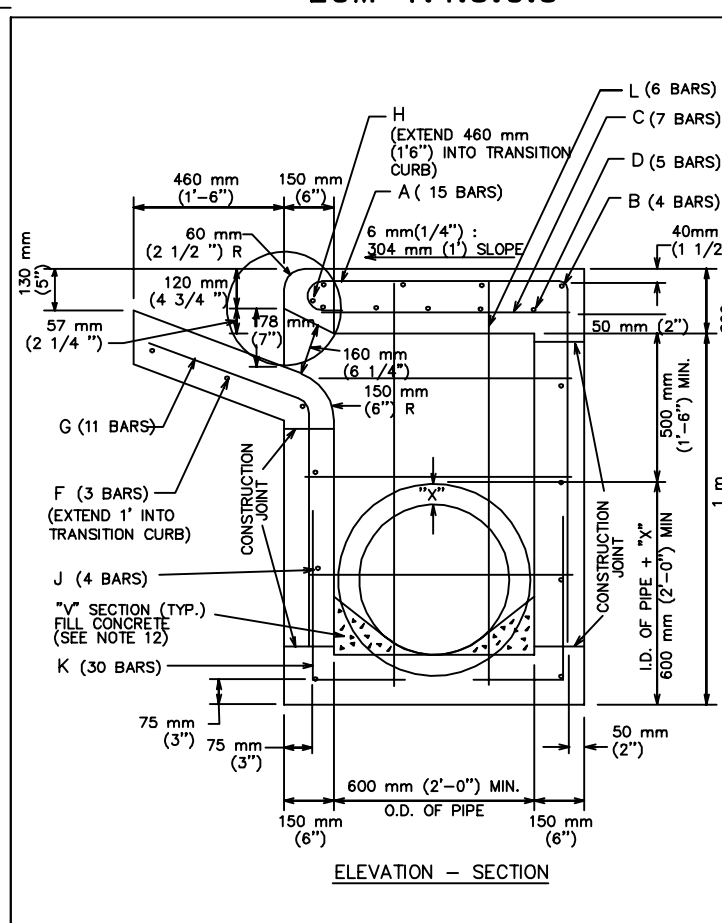
TYPICAL BOX MANHOLE WITH UNDISTURBED UTILITY  
506S-5



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
12/09/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 508S-3  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
12/09/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD NO. 508S-3  
3.2.1

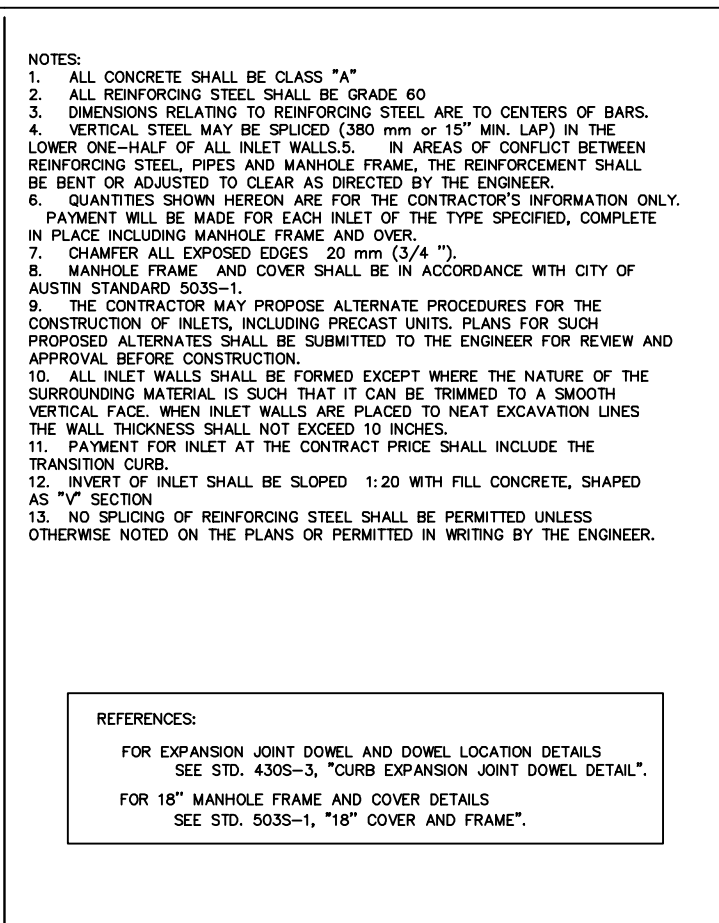
TABLE OF QUANTITIES FOR 18" OUTLET PIPE REINFORCING STEEL QUANTITIES

BAR	SIZE	SPACING	NUMBER	LENGTH	WEIGHT
A	4	230mm (9")	13	2.0m (7'-0")	73
B	4	230mm (9")	4	3.2m (10'-8")	29
C	4	460mm (18")	7	2.6m (8'-8")	12
D	6	160mm (6")	5	3.2m (10'-8")	80
E	4	300mm (12")	6	2.6m (8'-8")	19
F	4	260mm (10")	3	4.1m (13'-6")	35
G	4	300mm (12")	11	1.2m (4'-0")	20
H	6	—	1	4.2m (13'-9")	20
J	4	300mm (12")	7	3.2m (10'-8")	50
K	4	230mm (9")	30	800mm (2'-7 1/2")	52
L	4	300mm (12")	6	1.3m (4'-3")	17
M	4	300mm (12")	4	3.90m (12'-8")	4
TOTAL STEEL LB					413
TOTAL CONCRETE, CY					4.26

CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
12/09/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

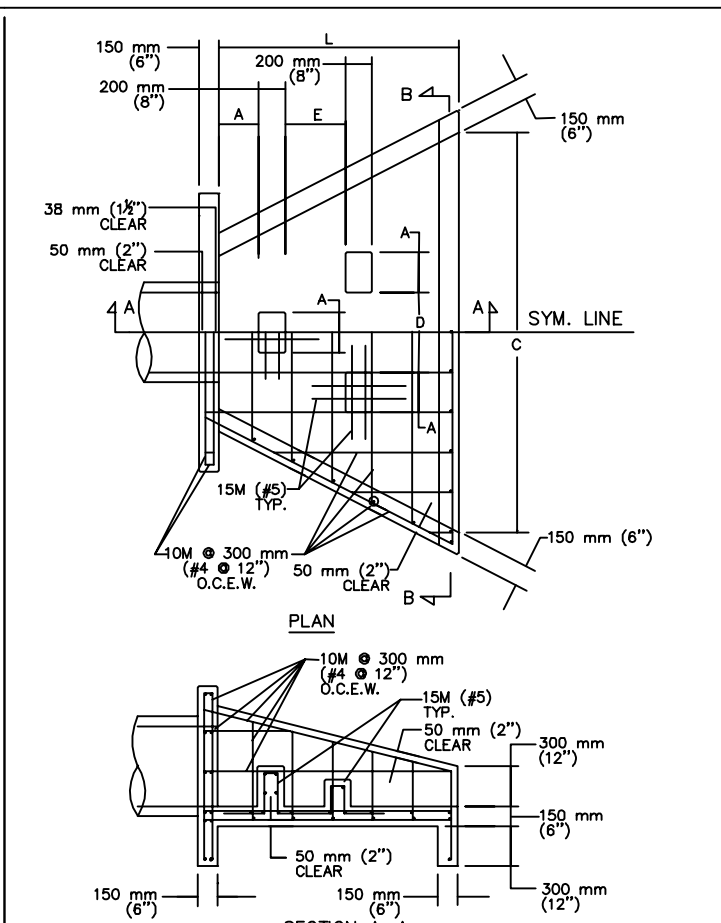
STANDARD NO. 508S-3  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
12/09/08  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

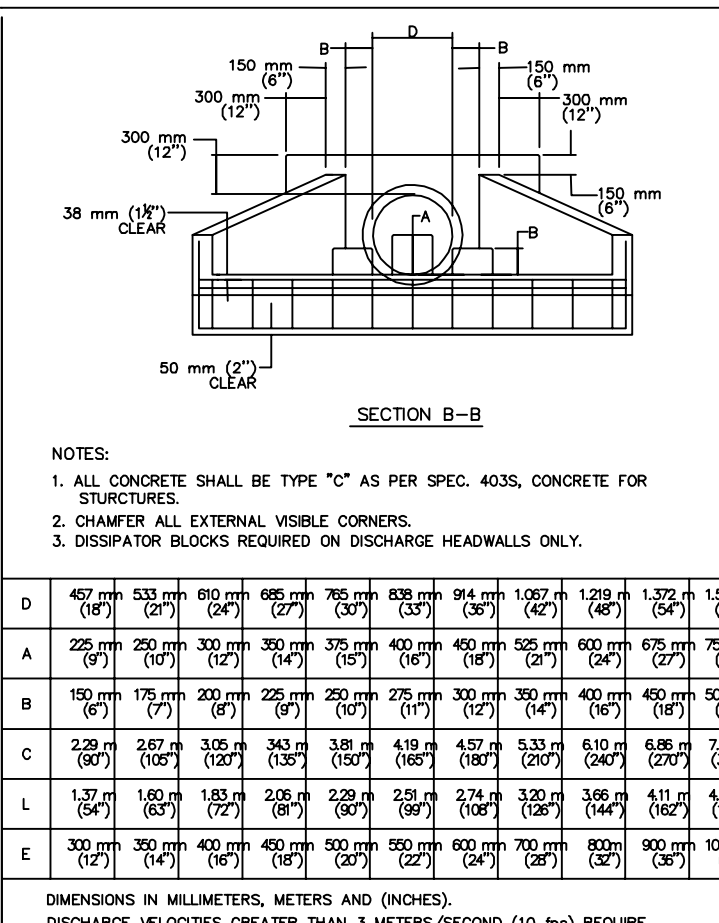
STANDARD NO. 508S-3  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

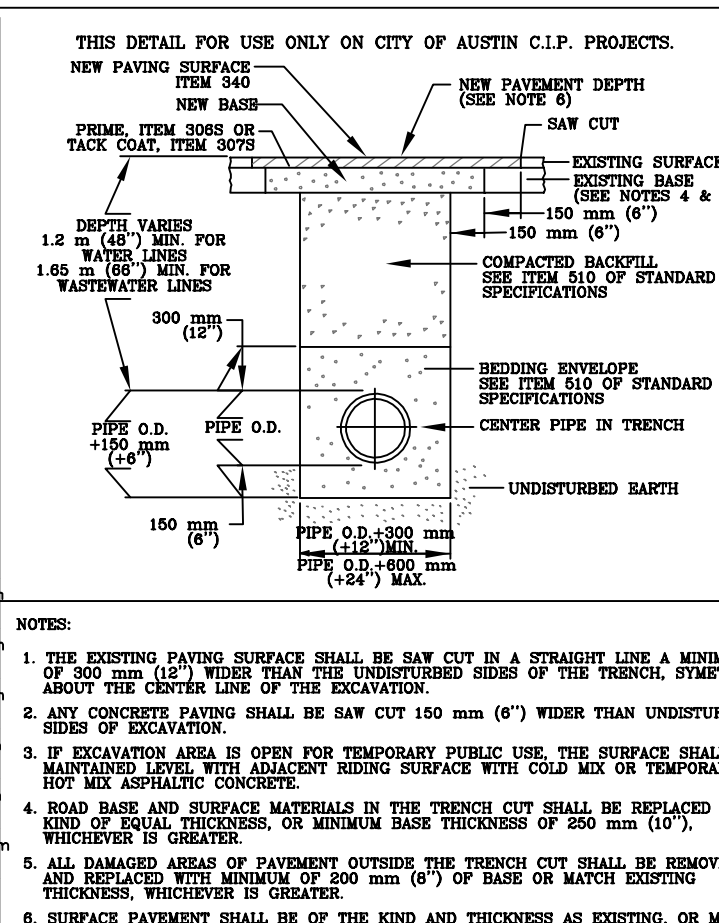
STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

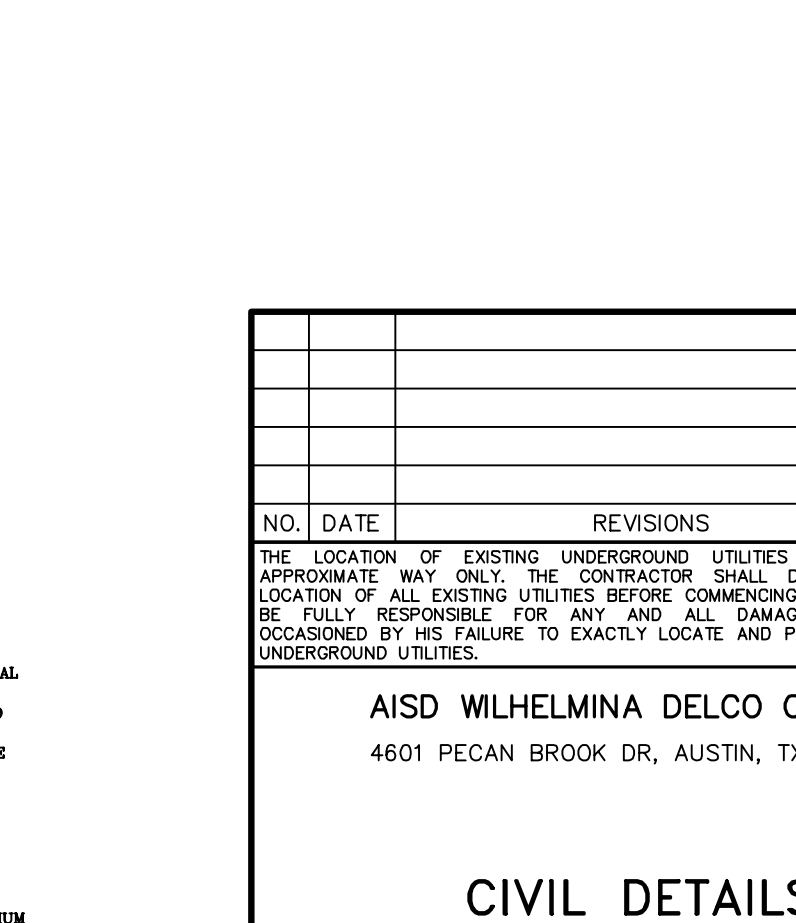
STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
03/15/06  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

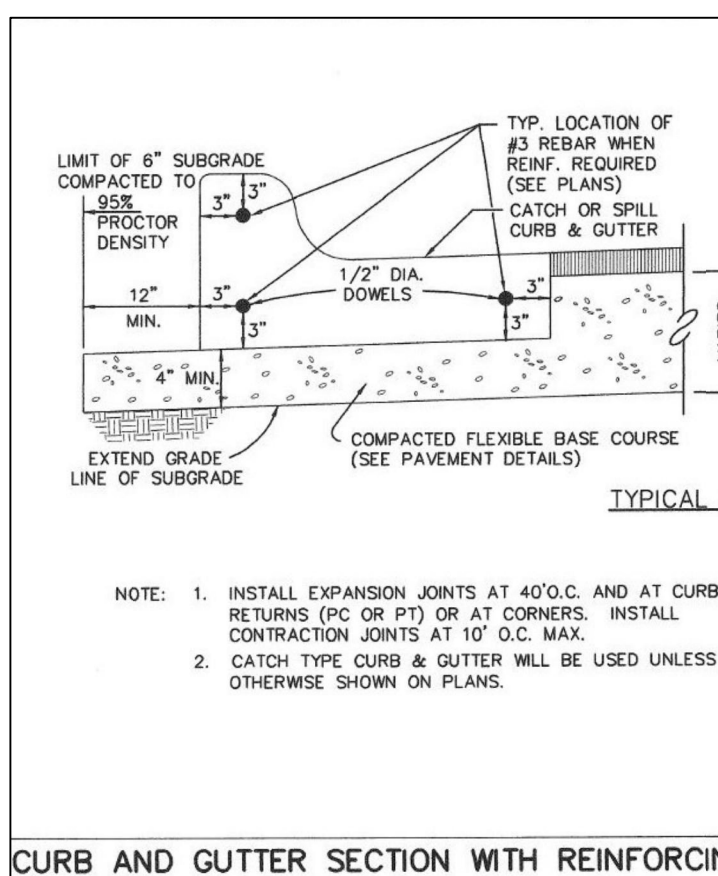
TYPICAL DETAIL FOR PROPOSED STREET  
510S-3



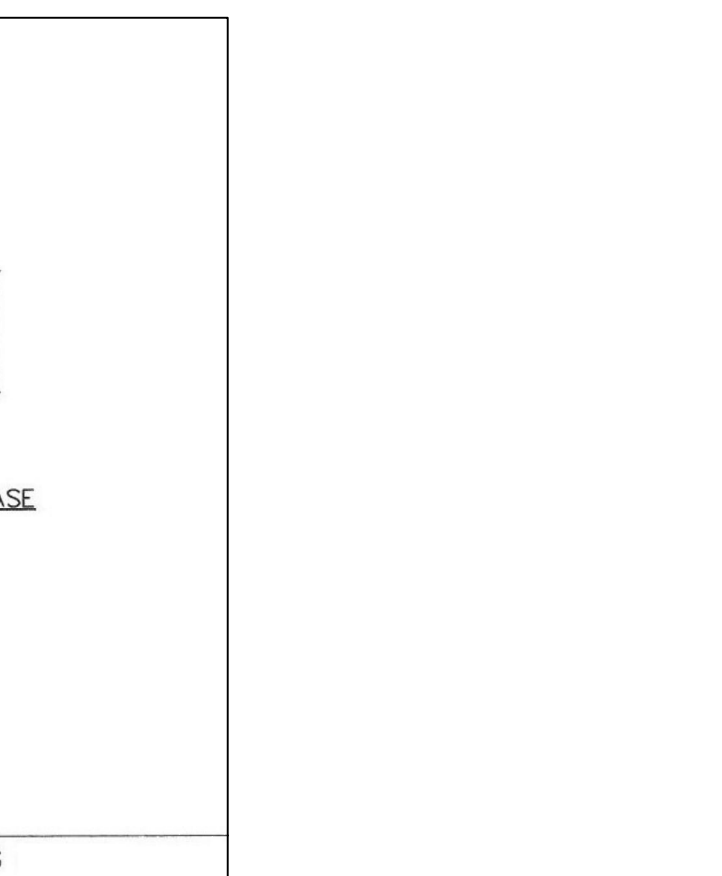
CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY RUTH L. FLETCHER  
01/17/04  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

TYPICAL BOX MANHOLE WITH UNDISTURBED UTILITY  
506S-5



CURB AND GUTTER SECTION WITH REINFORCING



TYPICAL LOCATION OF CURB AND GUTTER



TYPICAL LOCATION OF CURB AND GUTTER



TYPICAL LOCATION OF CURB AND GUTTER



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
08/20/07  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

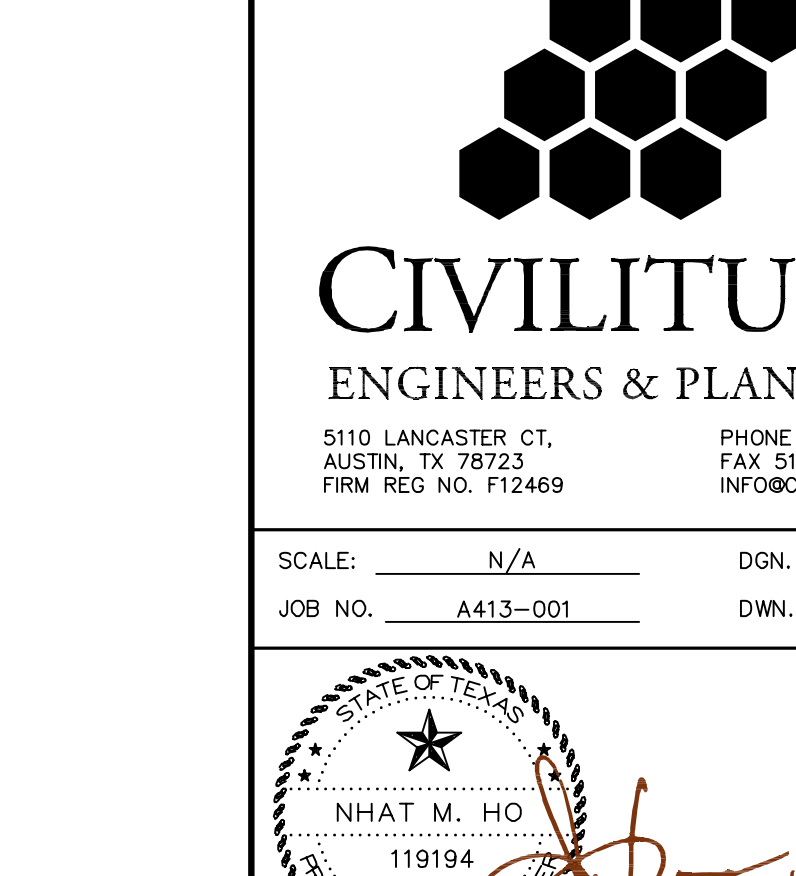
STANDARD HEADWALL AND ENERGY DISSIPATORS  
508S-13  
3.2.1



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY BILL GARDNER  
03/15/06  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

TYPICAL DETAIL FOR PROPOSED STREET  
510S-3



CITY OF AUSTIN  
DEPARTMENT OF PUBLIC WORKS  
RECORD COPY SIGNED BY RUTH L. FLETCHER  
01/17/04  
ADOPTED

THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

TYPICAL BOX MANHOLE WITH UNDISTURBED UTILITY  
506S-5

NO. DATE REVISIONS

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

AISD WILHELMINA DELCO CENTER  
4601 PECAN BROOK DR, AUSTIN, TX 78724

CIVIL DETAILS

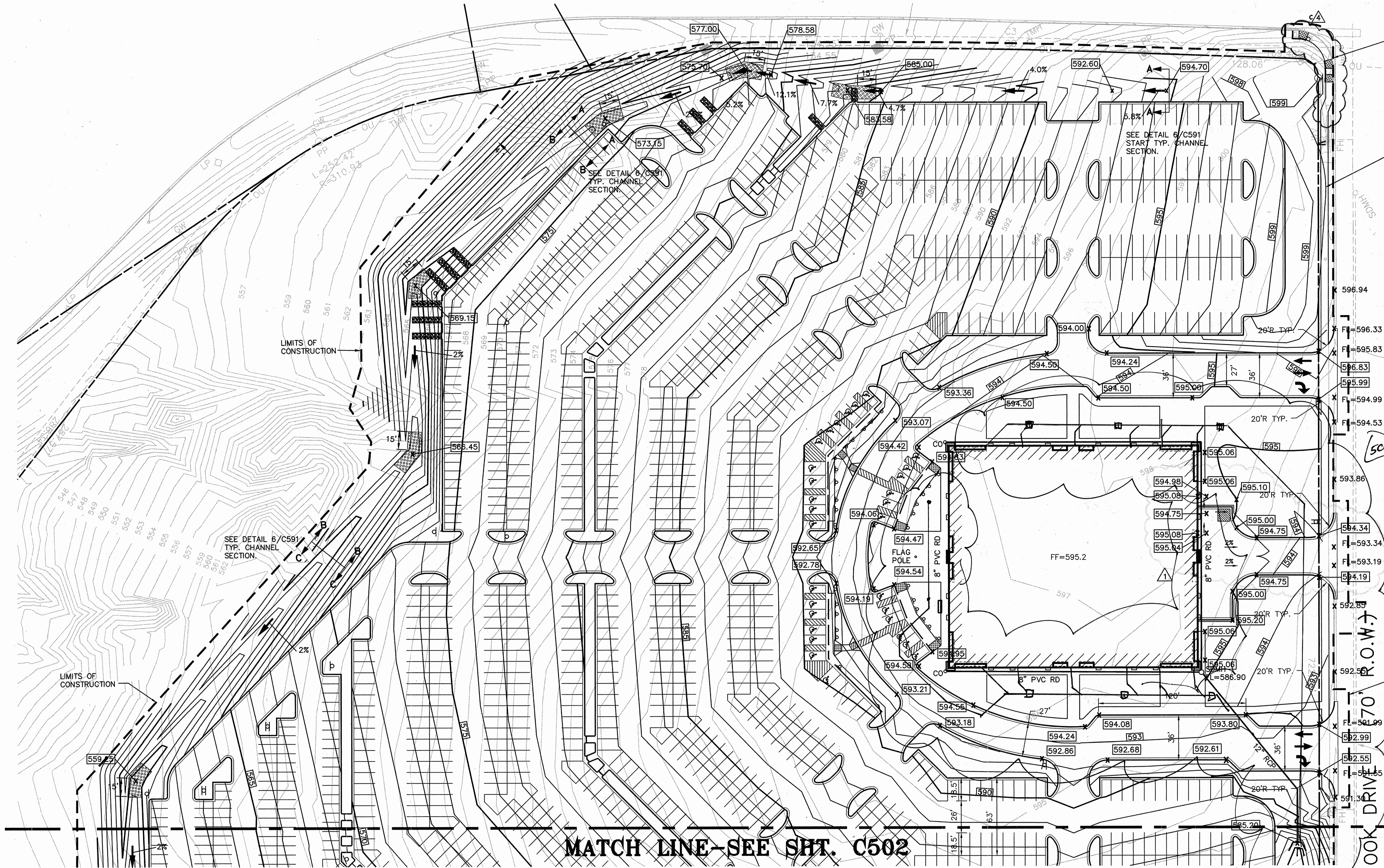
CIVILITUDE  
ENGINEERS & PLANNERS

5110 LANCASTER CT, AUSTIN, TX 78723  
PHONE 512 761 6161  
FAX 512 761 6163  
FIRM REG NO. F12469 INFO@CIVILITUDE.COM

SCALE: N/A DGN. BY: NMH  
JOB NO. A413-001 DWN. BY: ISL

119194  
Nhat M. Ho  
11/9/08  
06.06.19

SHEET NO. 6 OF 8



**APPROVED GRADING & DRAINAGE PLAN IN 2001 - REFERENCE ONLY**

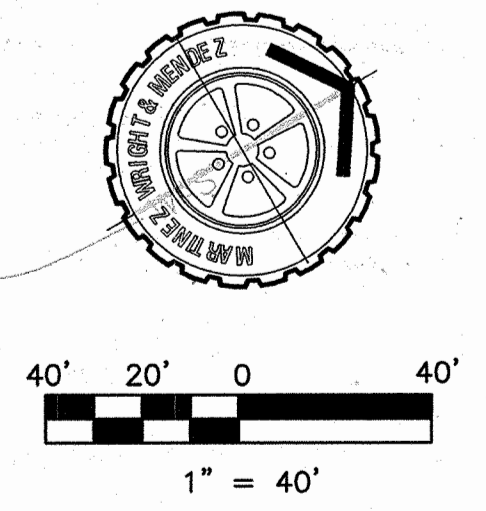
**SHEET NOTES:**

1. CONTRACTOR SHALL REMOVE THE TOP 4" OF TOPSOIL FROM ALL GRASS AREAS TO BE REGRADED AND STOCKPILE FOR REUSE IN FINAL GRADING OF GRASS AREAS. TOPSOIL SHALL NOT BE USED IN PROPOSED PAVEMENT AREAS. LARGE ROCKS, DEBRIS, AND CLUMPS OF GRASS SHALL BE REMOVED PRIOR TO EXCAVATION AND HAULED OFF SITE.
2. THE TOP 4" OF THE FINISH GRADES SHALL BE APPROVED TOPSOIL FROM CONTRACTOR'S STOCKPILE.
3. ALL DISTURBED GRASS AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SPECIFICATION 02488 SEEDING.
4. CONTRACTOR SHALL PLACE SOIL RETENTION BLANKET ON CHANNEL SIDE SLOPES, POND SIDE SLOPES AND IN GRASS AREAS WITH SLOPES 3:1 OR GREATER.
5. ALL ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50 AND A RUNNING SLOPE NO GREATER THAN 1:20.
6. SLOPES IN ACCESSIBLE PARKING SPACE AREAS SHALL NOT EXCEED A 1:50 SLOPE.
7. THE MAXIMUM SLOPE OF RAMPS IS 1:12 WITH A MAXIMUM RISE OF IN ANY RAMP RUN OF 30 INCHES.
8. THE GROUND SURFACES FOR ALL ACCESSIBLE ROUTES ON THIS PROJECT ARE EITHER ASPHALT OR CONCRETE.

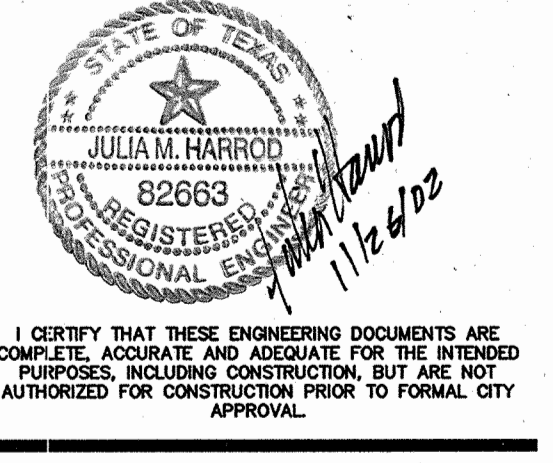
ENTIRE SHEET REPLACED TO INDICATE GRADING AND LIMITS OF CONSTRUCTION CHANGES.

NO.	DATE	DESCRIPTION	BY
C1	6/10/01	ADDENDUM #3	JMH
C2	6/28/01	CLARIFICATION	JMH
C4	11/25/02	SIDEWALK RAMP RECONFIGURED	JMH

- EXISTING LEGEND**  
(REFER TO SHEET C110)
- SDMH (10/C591)
  - CLEANOUT
  - ▨ CURB OPENING (8/C591)
  - ▨ SOIL RETENTION BLANKET
  - ▨ SOIL REINFORCEMENT BLANKET (7/C591)
- PROPOSED LEGEND**
- SDMH (10/C591)
  - CLEANOUT
  - ▨ CURB OPENING (8/C591)
  - ▨ SOIL RETENTION BLANKET
  - ▨ SOIL REINFORCEMENT BLANKET (7/C591)



- LANDSCAPE CONSULTANTS**  
**WINTERBROW ASSOCIATES, INC.**  
2111 Dickson Dr. Suite 16  
Austin, Texas 78704  
612.442.0100  
Fax: 612.442.0788
- CIVIL ENGINEERING CONSULTANTS**  
**DAYCAR ENGINEERING SERVICES**  
PO Box 8502  
Austin, Texas 78713  
612.328.4428  
Fax: 612.306.8390
- ENVIRONMENTAL CONSULTANTS**  
**BAER ENGINEERING AND ENVIRONMENTAL CONSULTING, INC.**  
6448 Hwy 290 E., Suite E-107  
Austin, Texas 78723  
612.468.5783  
Fax: 612.468.3316
- M. E. P. CONSULTANTS**  
**KENT CONSULTING ENGINEERS**  
3008 Bee Caves Rd., Suite A-200  
Austin, Texas 78746  
612.522.6164  
Fax: 612.522.4057
- STRUCTURAL CONSULTANTS**  
**WINTER ENGINEERING**  
6300 Research Blvd., Suite 1-300  
Austin, Texas 78769  
612.451.8816  
Fax: 612.572.8217
- ARCHITECTURAL CONSULTANTS**  
**MORALES & ASSOCIATES ARCHITECTS, INC.**  
7706 Northshore Drive, Suite 203  
Austin, Texas 78758  
612.451.9986  
Fax: 612.451.9988  
In joint venture with
- JACKSON GALLOWAY & COLLIER, PLLC**  
1102 West 6th Street, Suite d  
Austin, Texas 78703  
612.474.5000  
Fax: 612.474.9820
- CIVIL ENGINEERING CONSULTANTS**  
**MARTINEZ, WRIGHT & MENDEZ, INC.**  
Twin Towers  
1108 Clayton Ln., Suite 400w  
Austin, Texas 78723  
612.455.0787  
Fax: 612.468.1734



**PROJECT**  
**AUSTIN INDEPENDENT SCHOOL DISTRICT**  
**ACTIVITY CENTER**  
**(NORTH AUSTIN)**  
4611 PECAN BROOK DR.  
AUSTIN, TEXAS

**GRADING and DRAINAGE PLAN**

SCALE  
1" = 40'  
ISSUE DATE  
05/14/01  
REVISIONS

DRAWN BY: RM  
CHECKED BY: JMH  
PROJECT NO.  
050-10

Reviewed by: CASE NUMBER: SP-01-0204C

For Director of Department of Planning and Development (date)

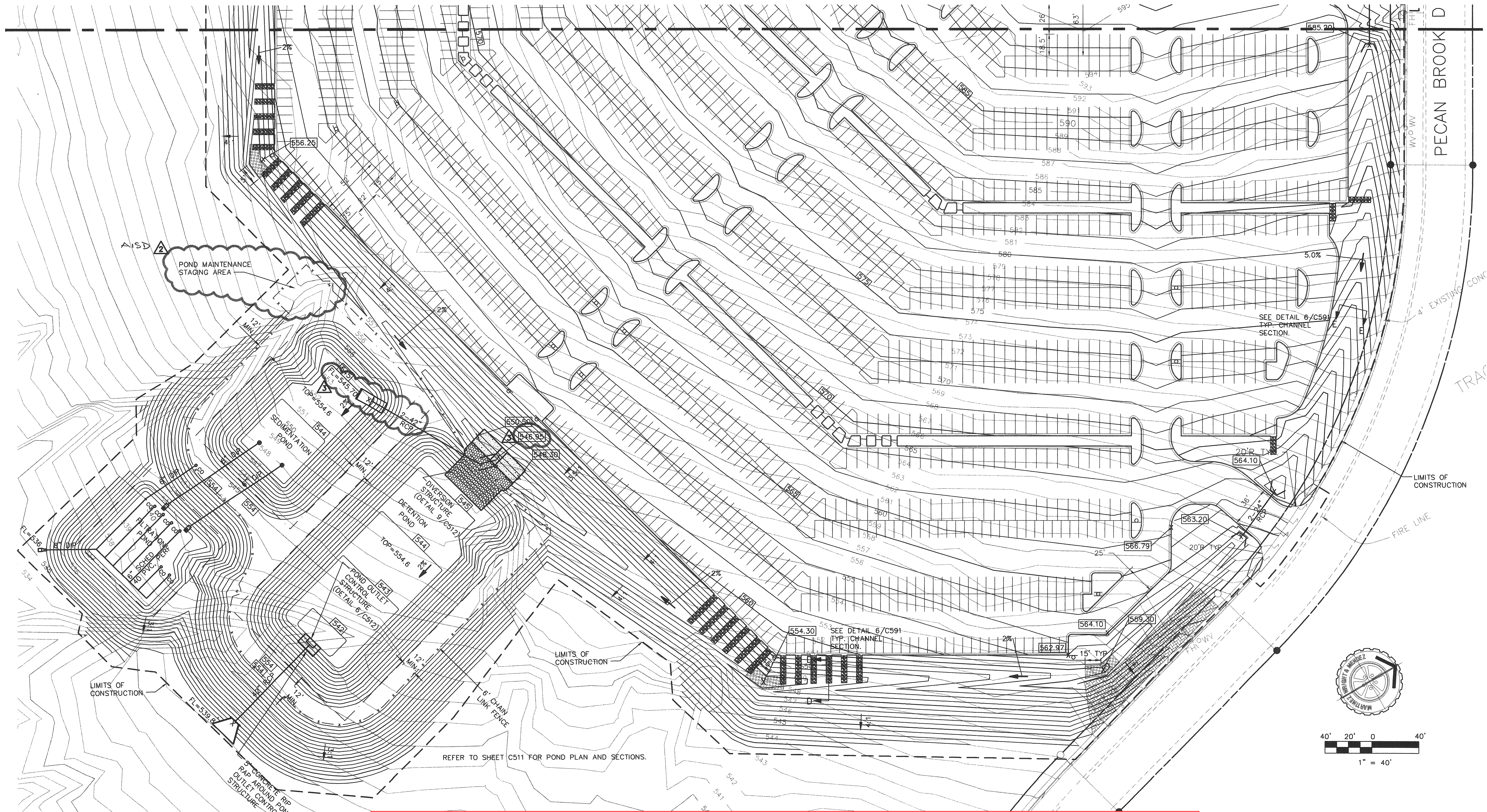
FILE NUMBER: SP-01-0204C EXPIRATION DATE: 7-27-04  
CASE MANAGER: S WELCH APPLICATION DATE: 5-2-01  
APPROVED ADMINISTRATIVELY ON: 7-27-01  
APPROVED BY PLANNING COMMISSION ON: \_\_\_\_\_  
APPROVED BY CITY COUNCIL ON: \_\_\_\_\_  
Under Section 112 of Chapter 25-5 of the Austin City Code.  
Signed For Director, Planning and Development Review Department

DATE OF RELEASE: 7-27-01 ZONING: GR  
Rev. 1 Correction 4: 12-2-01  
Rev. 2 Correction 5: 11-1-01  
Rev. 3 Correction 3: \_\_\_\_\_

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.

"All responsible parties on these plans remain with the engineer/architect/landscape architect (as applies) who prepared them. In approving these plans, the City of Austin must rely upon the adequacy of the work of the engineer/architect/landscape architect."

MATCH LINE-SEE SHT. C501



**APPROVED GRADING & DRAINAGE PLAN IN 2001 - REFERENCE ONLY**

EXISTING LEGEND  
(REFER TO SHEET C110)

PROPOSED LEGEND

- SDMH (10/C591)
- CLEANOUT
- ▨ CURB OPENING (8/C591)
- ▨ SOIL RETENTION BLANKET
- ▨ SOIL REINFORCEMENT BLANKET (7/C591)

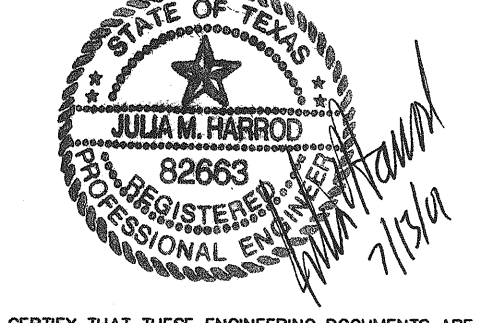
SHEET NOTES:

1. CONTRACTOR SHALL REMOVE THE TOP 4" OF TOPSOIL FROM ALL GRASS AREAS TO BE REGRADED AND STOCKPILE FOR REUSE IN FINAL GRADING OF GRASS AREAS. TOPSOIL SHALL NOT BE USED IN PROPOSED PAVEMENT AREAS. LARGE ROCKS, DEBRIS, AND CLUMPS OF GRASS SHALL BE REMOVED PRIOR TO EXCAVATION AND HAULED OFF SITE.
2. THE TOP 4" OF THE FINISH GRADES SHALL BE APPROVED TOPSOIL FROM CONTRACTOR'S STOCKPILE.
3. ALL DISTURBED GRASS AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SPECIFICATION 02488 SEEDING.
4. CONTRACTOR SHALL PLACE SOIL RETENTION BLANKET ON CHANNEL SIDE SLOPES, POND SIDE SLOPES AND IN GRASS AREAS WITH SLOPES 3:1 OR GREATER.
5. ALL ACCESSIBLE ROUTES MUST HAVE A CROSS-SLOPE NO GREATER THAN 1:50 AND A RUNNING SLOPE NO GREATER THAN 1:20.
6. SLOPES IN ACCESSIBLE PARKING SPACE AREAS SHALL NOT EXCEED A 1:50 SLOPE.
7. THE MAXIMUM SLOPE OF RAMPS IS 1:12 WITH A MAXIMUM RISE OF IN ANY RAMP RUN OF 30 INCHES.
8. THE GROUND SURFACES FOR ALL ACCESSIBLE ROUTES ON THIS PROJECT ARE EITHER ASPHALT OR CONCRETE.

ENTIRE SHEET REPLACED TO INDICATE GRADING AND LIMITS OF CONSTRUCTION CHANGES.

NO.	DATE	DESCRIPTION	BY
1	6/10/01	ADDENDUM #3 - AISD	JMH
2	6/28/01	CLARIFICATION - AISD	JMH
3	7/13/01	CLARIFICATION - AISD	JMH

- WINTEROWD ASSOCIATES, INC.**  
2111 Dickson Dr. Suite 16  
Austin, Texas 78704  
512.442.0100  
Fax: 512.442.0786
- DAVCAR ENGINEERING SERVICES**  
P.O. Box 8592  
Austin, Texas 78713  
512.328.4428  
Fax: 512.306.8390
- BAER ENGINEERING AND ENVIRONMENTAL CONSULTING, INC.**  
6448 Hwy 290 E. Suite F-107  
Austin, Texas 78723  
512.453.3733  
Fax: 512.453.3316
- KENT CONSULTING ENGINEERS**  
3008 Bee Caves Rd., Suite A-230  
Austin, Texas 78746  
512.328.6164  
Fax: 512.328.4037
- WINTER ENGINEERING**  
890 Research Blvd., Suite 1-300  
Austin, Texas 78759  
512.372.8216  
Fax: 512.372.8217
- MORALES & ASSOCIATES ARCHITECTS, INC.**  
7766 Northcross Drive, Suite 203  
Austin, Texas 78758  
512.451.8555  
Fax: 512.451.8583  
in joint venture with
- JACKSON GALLOWAY & COLLIER, PLLC**  
1102 West 6th Street, Suite C  
Austin, Texas 78703  
512.474.8085  
Fax: 512.474.9820
- MARTINEZ, WRIGHT & MENDEZ, INC.**  
Trin Towers  
1108 Clayton Ln., Suite 400w  
Austin, Texas 78723  
512.453.0767  
Fax: 512.453.1734



I CERTIFY THAT THESE ENGINEERING DOCUMENTS ARE COMPLETE, ACCURATE AND ADEQUATE FOR THE INTENDED PURPOSES, INCLUDING CONSTRUCTION, BUT ARE NOT AUTHORIZED FOR CONSTRUCTION PRIOR TO FORMAL CITY APPROVAL.

PROJECT  
**AUSTIN INDEPENDENT SCHOOL DISTRICT**  
**ACTIVITY CENTER (NORTH AUSTIN)**  
4601 PECAN BROOK DR.  
AUSTIN, TEXAS

GRADING and  
DRAINAGE PLAN

Reviewed by: CASE NUMBER: SP-01-0204C

For Director of Department of Planning and Development (date)

**SITE PLAN RELEASE** Sheet 12 of 25

FILE NUMBER: SP-01-0204C EXPIRATION DATE: 7-27-04  
CASE MANAGER: JMH APPLICATION DATE: 5-2-01  
APPROVED ADMINISTRATIVELY ON: 7-23-01  
APPROVED BY PLANNING COMMISSION ON: \_\_\_\_\_  
APPROVED BY CITY COUNCIL ON: \_\_\_\_\_  
under Section 112 of Chapter 25 of the Austin City Code.

*Julian Harrod*  
Director, Watershed Protection and Development Review  
DATE OF RELEASE: 7-27-01 Zoning: GR

Rev. 1 \_\_\_\_\_ Correction 1  
Rev. 2 \_\_\_\_\_ Correction 2  
Rev. 3 \_\_\_\_\_ Correction 3

"All responsibility for the adequacy of these plans remains with the engineer/architect/landscape architect (as applies) who prepared them. In approving these plans, the City of Austin must rely upon the adequacy of the work of the engineer/architect/landscape architect."

SCALE  
1" = 40'  
ISSUE DATE  
05/14/01  
REVISIONS

DRAWN BY: CHECKED BY:  
RM JMH  
PROJECT NO.  
050-10

TOTAL SHEETS SHEET NO.  
8 OF 8

SP-01-0204C