

Approved

REQUEST FOR AGENDA PLACEMENT FORM

Submission Deadline - Tuesday, 12:00 PM before Court Dates

SUBMITTED BY: Jerry D. Stringer TODAY'S DATE: 08-22-2017

DEPARTMENT: X Precinct #3

SIGNATURE OF DEPARTMENT HEAD: X Jerry D. Stringer

REQUESTED AGENDA DATE: X August 28, 2017

SPECIFIC AGENDA WORDING:

Consideration to accept the following roads into the county road maintenance system of Precinct #3:

1. An extension of 613.45 feet on the east end of Soft Shell Drive,
2. Cashew Drive from County Road 501 north to Soft Shell Drive, a distance of 2,355.34 feet.

PERSON(S) TO PRESENT ITEM:

Jerry Stringer, Commissioner

SUPPORT MATERIAL: (Must enclose supporting documentation)

TIME: 5 minutes

PRESENTATION _____

ACTION ITEM: x _____

WORKSHOP: _____

(Anticipated number of minutes needed to discuss item) CONSENT: _____

EXECUTIVE: _____

STAFF NOTICE:

COUNTY ATTORNEY: _____

ISS DEPARTMENT: _____

AUDITOR: _____

PURCHASING DEPARTMENT: _____

PERSONNEL: _____

PUBLIC WORKS: _____

BUDGET COORDINATOR: _____

OTHER: _____

*****This Section to be Completed by County Judge's Office*****

ASSIGNED AGENDA DATE: _____

REQUEST RECEIVED BY COUNTY JUDGE'S OFFICE _____

(

Commissioners Court

AUG 28 2017

Approved

VENUS RIDGE PHASE III, LTD
8310 BOEDEKER STREET
DALLAS, TEXAS 75225

8/2/217


Johnson County Precinct # 3
Commissioner Jerry Stringer
10420 FM 917
Alvarado, Texas 76009

Dear Jerry Stringer,

Enclosed is a set of plans for Venus Ridge Phase III that has been built to these plans and specification. We are requesting Johnson County to accept the streets of Soft Shell Drive (613.45 ft.) and Cashew Drive (2,355.34 ft.) for future maintenance. I will be glad to meet with you on your inspection and to provide any additional information that may need.

I am looking forward on developing the 100 acres next to this subdivision with Johnson County and City of Venus.

Yours Truly



Robert H. Sandlin
Manager / Partner

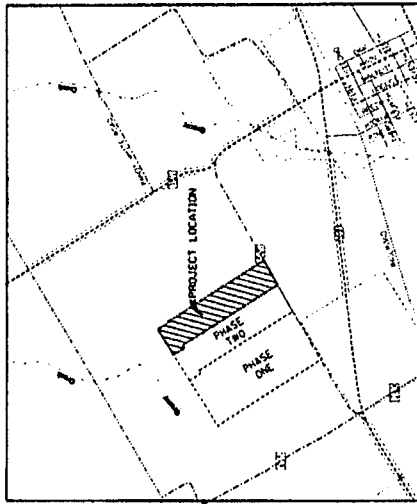
JOHNSON COUNTY, TEXAS PLANS FOR CONSTRUCTION OF PAVING, WATER, AND DRAINAGE IMPROVEMENTS FOR VENUS RIDGE

PHASE III

OWNER / DEVELOPER:
VENUS RIDGE PROPERTY III, L.T.D.
ROBERT H. SANDLIN
1001 WEST CENTRAL DRIVE
SUITE 900
DALLAS, TEXAS 75243
PHONE: (214) 341-2488
FAX: (214) 341-2481



SHEET NO.	DESCRIPTION
1	COVER SHEET
2	WATER LAYOUT
3	DRAINAGE AREA MAP
4	PAVING PLAN & PROFILE
5	UTILITY DETAILS
6	GENERAL CONSTRUCTION NOTES AND DETAILS
7	STORM DRAIN DETAIL
8	ENGINEER'S SIGNATURE CONTROL PLAN
9	PAVING PLAN & PROFILE - 50% SKILL DRAIN 40x14 - 20x10
10	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
11	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
12	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
13	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
14	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
15	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
16	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
17	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
18	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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25	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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27	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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29	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
30	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
31	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
32	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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39	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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42	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
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48	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
49	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10
50	PAVING PLAN & PROFILE - 50% SKILL DRIVE 40x14 - 20x10



LOCATION MAP



NOT TO SCALE

APRIL 2008

PROJECT NO. 06551.001.000
06/07/07

The engineering on this document was authorized by P.E. No. 1008
in accordance with the provisions of the Texas Engineering Practice Act.

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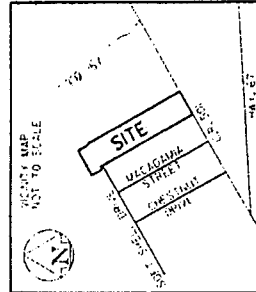
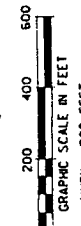
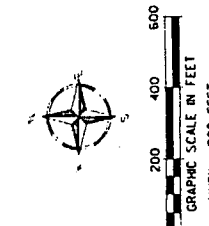


OWNER	DATE
PREPARED BY	DATE
REVISIONS	

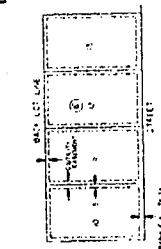
PROJECT NO.	DATE
DATE	DATE
DATE	DATE
DATE	DATE
DATE	DATE

Carter & Burgess
 ENGINEERS
 1100 WEST 11TH STREET
 DALLAS, TEXAS 75201
 PHONE 734-1111

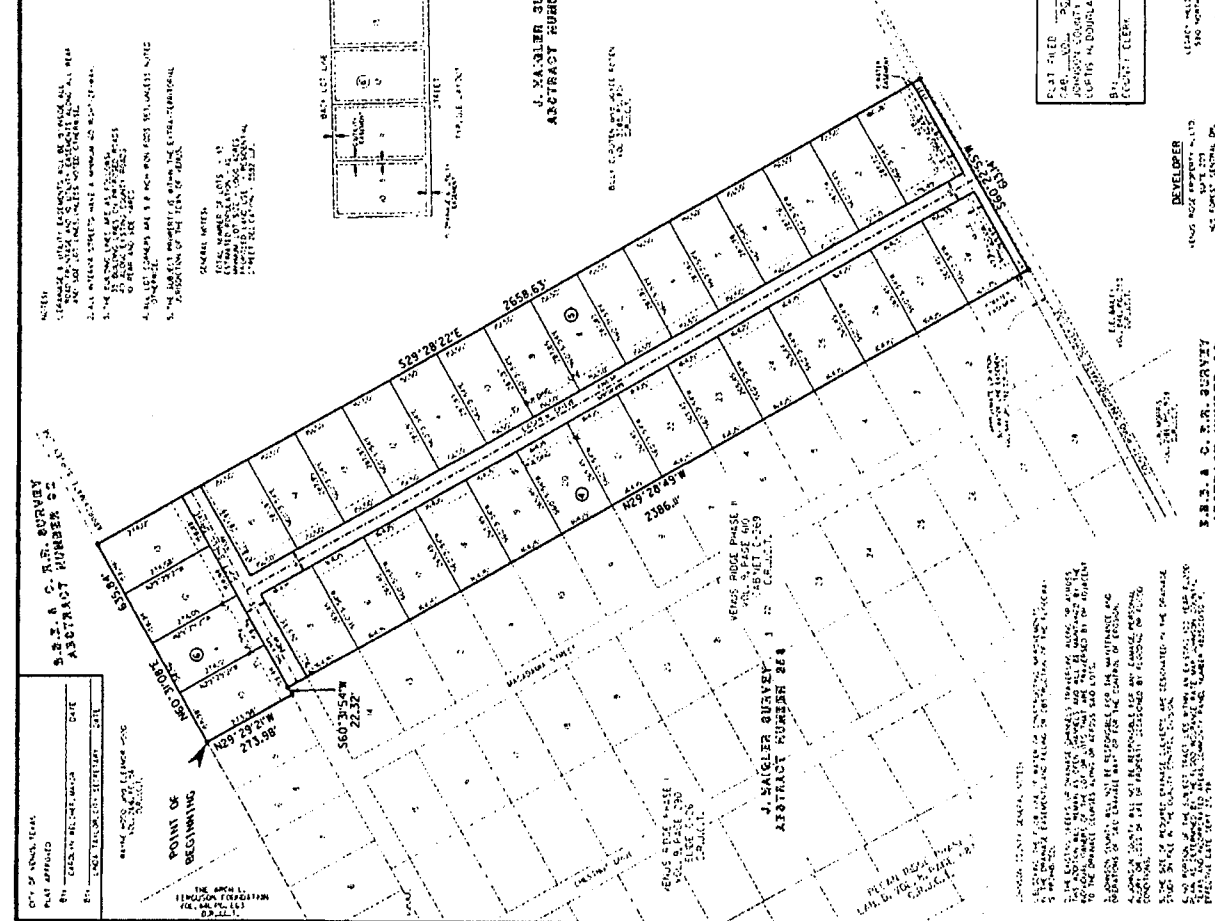
SHEET **2** OF 2



- NOTES:
1. OWNER'S SURVEY (ABSTRACT NUMBER 284) IS THE BASIS FOR THIS SURVEY.
 2. ALL DISTANCES ARE IN FEET AND DECIMALS THEREOF.
 3. THE BEARING AND DISTANCE OF EACH LINE IS SHOWN ON THIS SURVEY.
 4. THE AREA OF EACH LOT IS SHOWN ON THIS SURVEY.
 5. THE LOCATION OF EACH CORNER IS SHOWN ON THIS SURVEY.



**J. WAGLER SURVEY
 ABSTRACT NUMBER 284**



**S. B. J. & C. R. SURVEY
 ABSTRACT NUMBER 282**

**J. WAGLER SURVEY
 ABSTRACT NUMBER 284**

**VENUS RIDGE PHASE III
 ABSTRACT NUMBER 288**

**S. B. J. & C. R. SURVEY
 ABSTRACT NUMBER 282**

OWNER'S SURVEY (ABSTRACT NUMBER 284) IS THE BASIS FOR THIS SURVEY.

ALL DISTANCES ARE IN FEET AND DECIMALS THEREOF.

THE BEARING AND DISTANCE OF EACH LINE IS SHOWN ON THIS SURVEY.

THE AREA OF EACH LOT IS SHOWN ON THIS SURVEY.

THE LOCATION OF EACH CORNER IS SHOWN ON THIS SURVEY.

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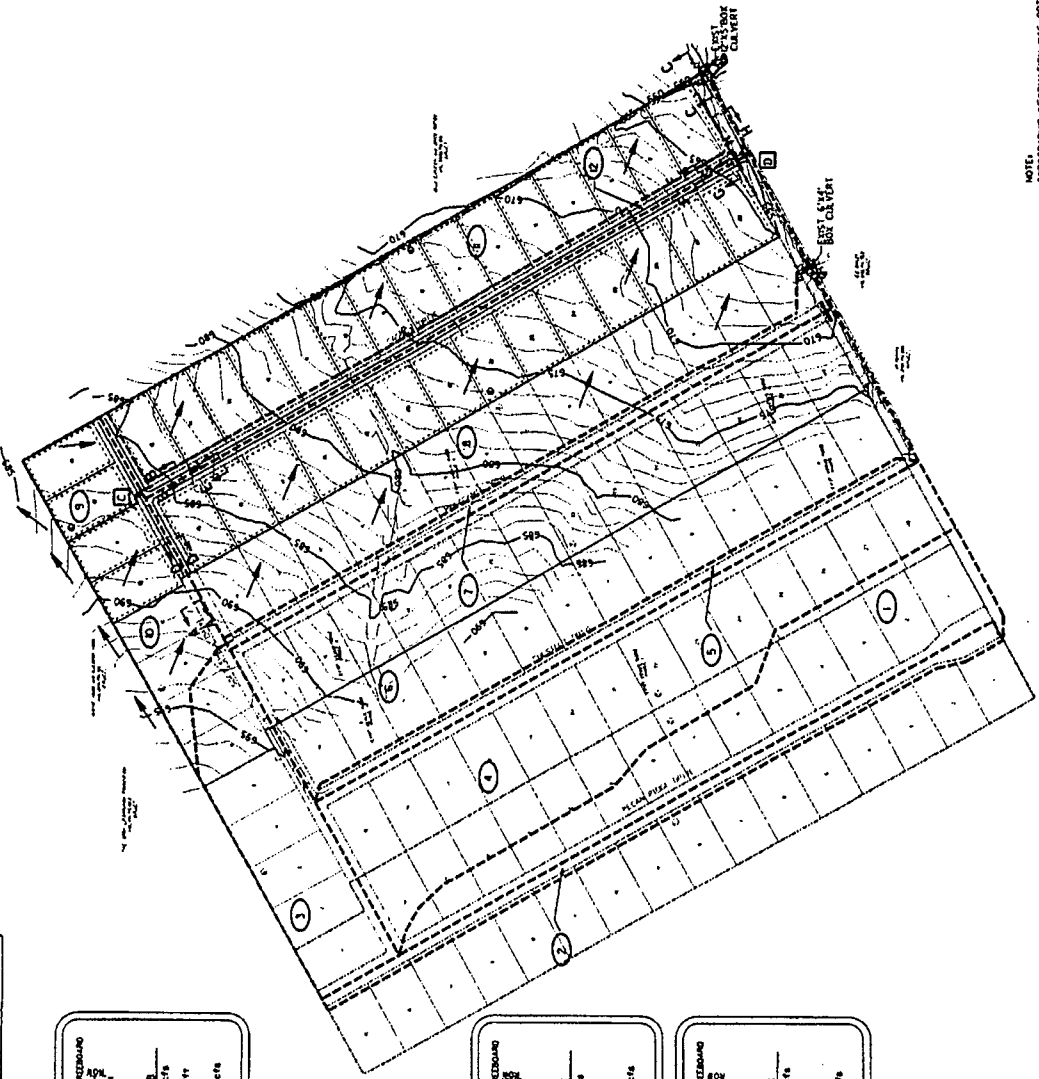
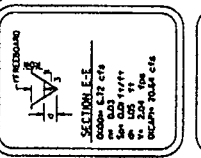
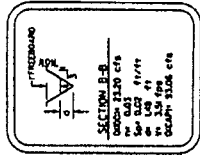
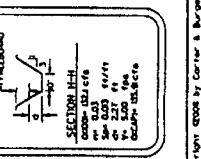
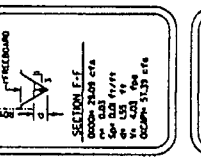
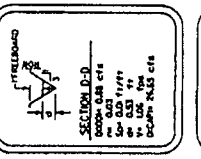
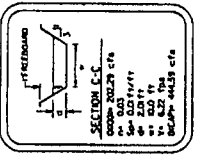
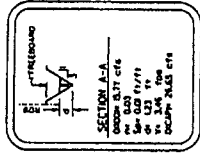
THE AREA OF EACH LOT IS SHOWN ON THIS SURVEY.

THE LOCATION OF EACH CORNER IS SHOWN ON THIS SURVEY.

C. S. B. 208 (REVISED) 14535, 0201, 1045

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STA.	INVERT	C	NO.	DATE	BY	REVISION	DESCRIPTION
1+00	1.00	0	1	11/11	AM	1	SECTION A-A
1+05	1.05	0	1	11/11	AM	1	SECTION B-B
1+10	1.10	0	1	11/11	AM	1	SECTION C-C
1+15	1.15	0	1	11/11	AM	1	SECTION D-D
1+20	1.20	0	1	11/11	AM	1	SECTION E-E
1+25	1.25	0	1	11/11	AM	1	SECTION F-F
1+30	1.30	0	1	11/11	AM	1	SECTION G-G
1+35	1.35	0	1	11/11	AM	1	SECTION H-H



PROJECT BENCHMARKS
 IN POINT IN SOUTH SIDE OF POWER POLE
 OF WEST SIDE OF VENUS RIDGE TRAIL
 OF WEST SIDE OF VENUS RIDGE TRAIL
 OF WEST SIDE OF VENUS RIDGE TRAIL
 OF WEST SIDE OF VENUS RIDGE TRAIL

ELEVATION: 613.89

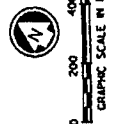
NOTES
 NO PORTION OF THE SUBJECT TRACT LIES WITHIN AN
 EXISTING STORM DRAIN SYSTEM
 THE TRACT IS LOCATED WITHIN THE VENUS RIDGE
 DRAINAGE AREA, PHASE THREE, AS SHOWN ON THE
 TITLES AND INCORPORATED AERIAL COMPARISON PANEL
 NUMBER 48900077, EFFECTIVE DATE 08/14/11.

LEGEND

- DRAINAGE AREA SUBWODE
- PROPOSED STORM DRAIN SYSTEM
- EXISTING STORM DRAIN SYSTEM
- FUTURE STORM DRAIN SYSTEM
- DRAINAGE AREA DESIGNATION
- SURFACE FLOOR ARROW
- DESIGN POINT
- EXIST. BOX CULVERT

DRAINAGE DESIGN
 RAINFALL INTENSITIES FROM T.P. 40, 41
 NATIONAL METHOD OF DESIGN DRAIN

PRELIMINARY - FOR REVIEW ONLY
 THESE DOCUMENTS ARE FOR DESIGN PURPOSES
 ONLY AND ARE NOT TO BE USED FOR BIDDING OR
 PERMIT PURPOSES. THEY ARE
 PROVIDED BY, OR UNDER SUPERVISION OF,
 RAYMOND JARVIS
 TYPE OF PROFESSIONAL ENGINEER: 36550



VENUS RIDGE
 PHASE THREE
 DRAINAGE AREA MAP
 CITY OF VENUS
 JOHNSON COUNTY, TEXAS

DATE: 11/11/11
 DRAWN BY: AM
 CHECKED BY: AM
 DATE: 11/11/11
 SHEET NO. 4

NOTE: TOPOGRAPHIC INFORMATION WAS OBTAINED FROM
 THE GROUND SURVEY PROVIDED BY CARLIER & BURRESS, INC.
 DATED FEBRUARY 4, 2006

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA:

912-776-3165
 912-776-3165
 409-342-980
 409-342-980
 409-342-980
 409-342-980
 409-342-980
 409-342-980

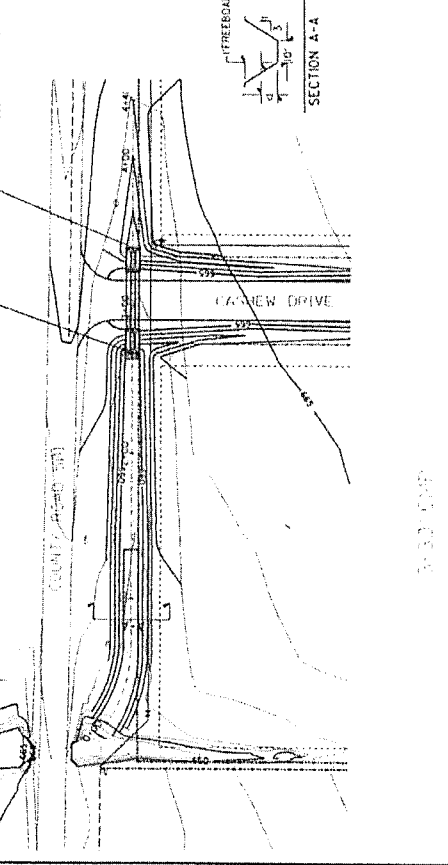
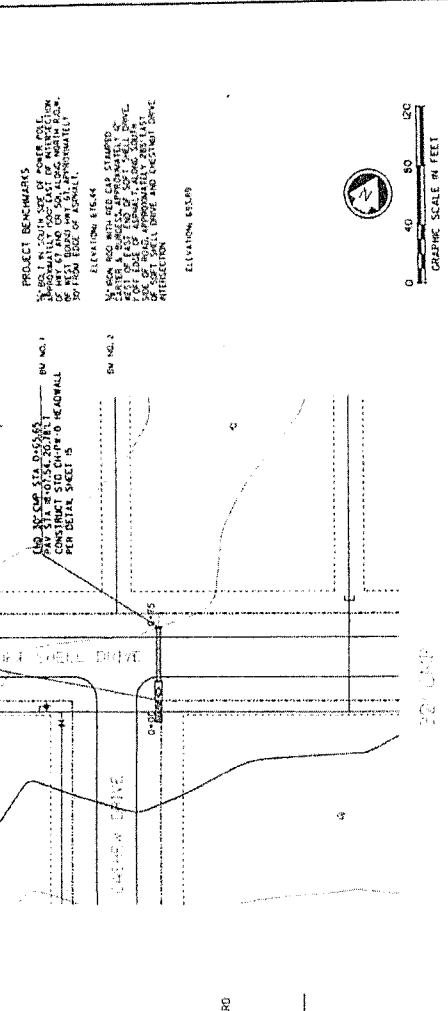
ATMOS. ENERGY
 THE ELECTRIC
 CARRIER COMMUNICATIONS
 FOR OTHER FACILITIES

PROJECT BENCHMARKS
 APPROXIMATE LOCATION OF BENCHMARK
 IS SHOWN ON THIS SHEET. THE BENCHMARK
 IS TO BE MAINTAINED THROUGHOUT THE
 CONSTRUCTION OF THE PROJECT.

ELEVATION: 654.4

IF ANY WORK IS TO BE DONE IN THE
 VICINITY OF THE BENCHMARK, THE
 CONTRACTOR SHALL BE RESPONSIBLE FOR
 PROTECTING THE BENCHMARK AND FOR
 RESETTING IT TO ITS ORIGINAL POSITION
 AT THE END OF THE PROJECT.

ELEVATION: 654.99

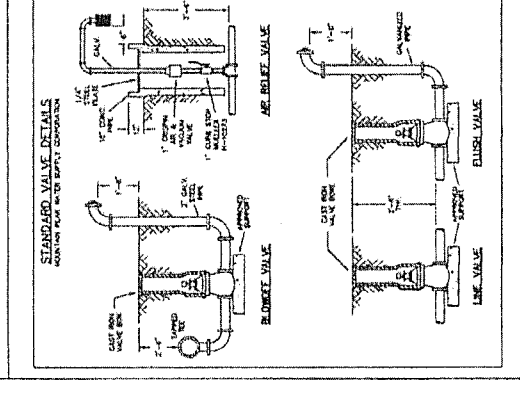
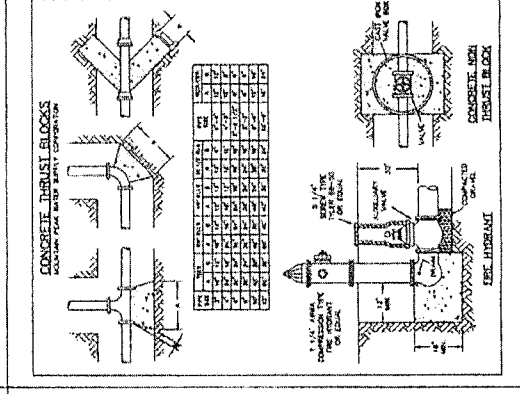
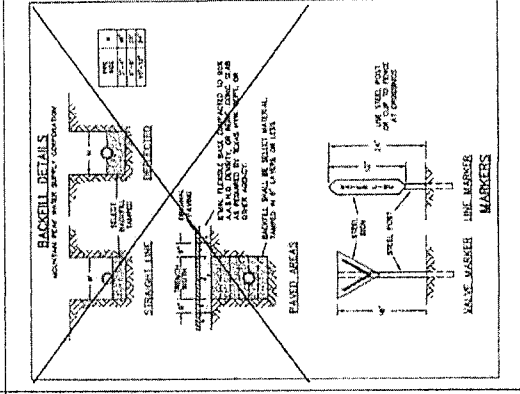
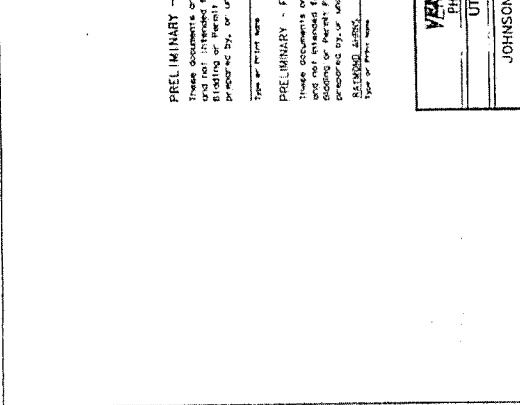
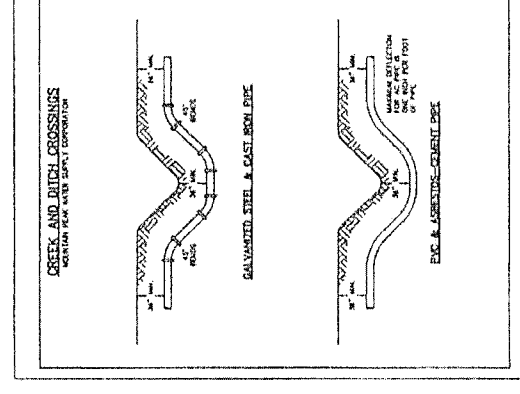
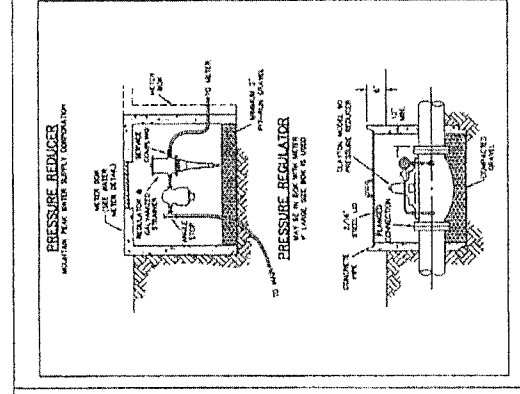
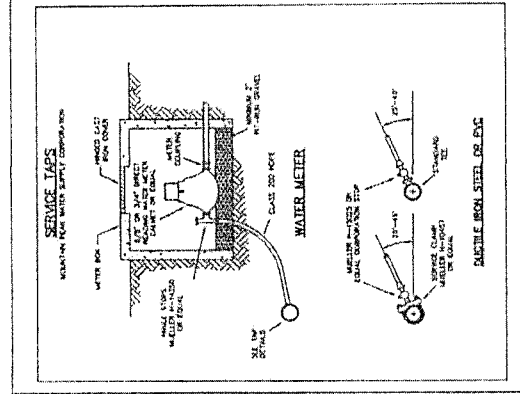
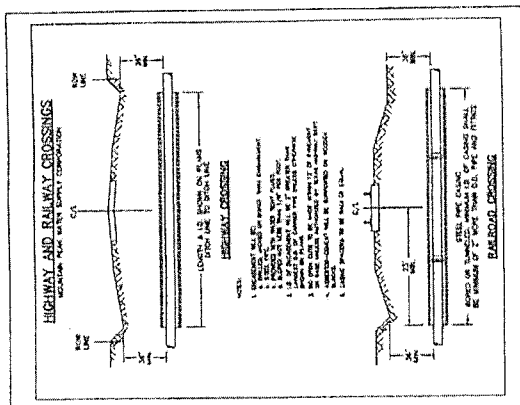


STATION	EXISTING GRADE (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)	PROPOSED GRADE & CL. (ft)
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660	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00	660.00
650	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00	650.00
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520	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00	520.00
510	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00	510.00
500	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00	500.00

VENUS RIDGE
 PHASE THREE
 STORM DRAIN
 3.35' C&G
 CITY OF VENUS
 JOHNSON COUNTY, TEXAS

DATE: _____ REC: _____
 BY: _____ DATE: _____
 DRAWN: _____ DATE: _____
 CHECKED: _____ DATE: _____
 PROJECT NO: _____

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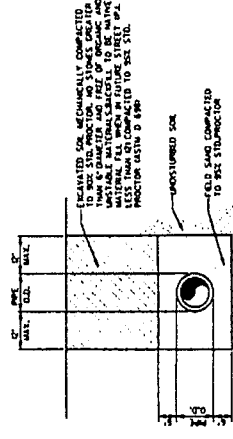
VENUS RIDGE
PHASE THREE
UTILITY DETAILS

JOHNSON COUNTY, TEXAS

Carter Burgess
S.W. Johnson
REG. PROFESSIONAL ENGINEER

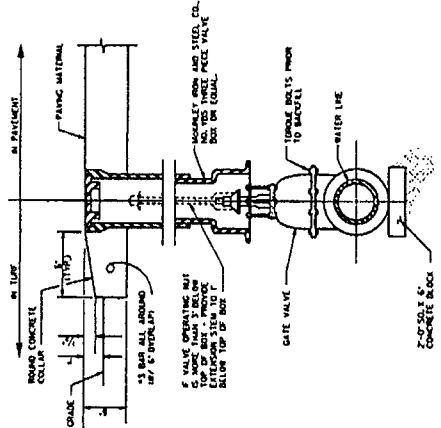
DESIGNED BY: _____
CHECKED BY: _____
DATE: _____

PROJECT NO. _____
SHEET NO. _____



PRELIMINARY - FOR REVIEW ONLY
 These amounts are for Design Review and not intended for Construction. Construction quantities are subject to change pending an order under authorization of the BUYER'S ORDER NUMBER 88550.
 Type of Order Form: 88550, 6/1/92

TYPICAL WATER PIPE EMBEDMENT DETAIL
 NOT TO SCALE



VALVE BOX - 4' x 16'
 NOT TO SCALE

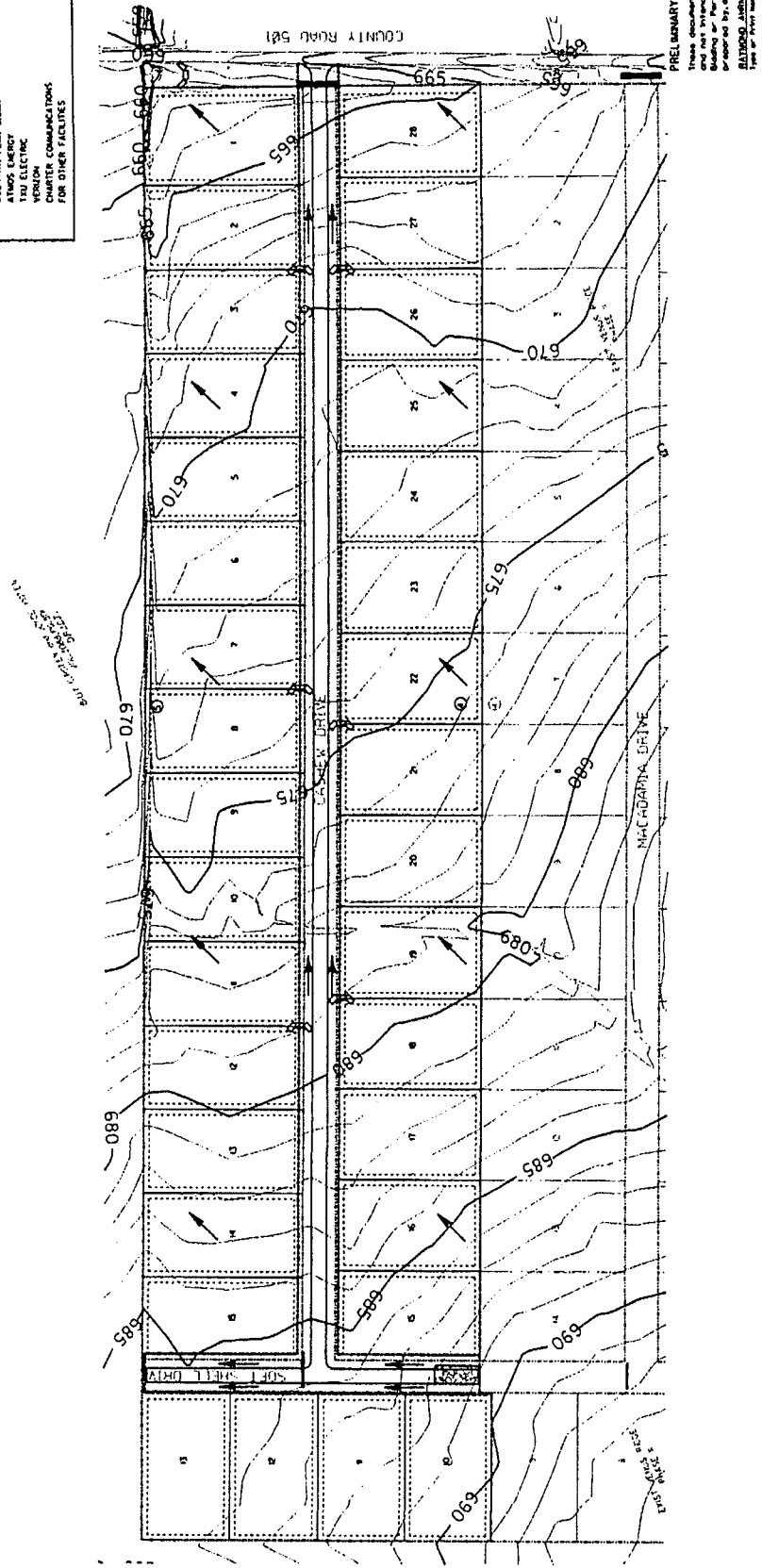
JOHNSON COUNTY, TEXAS	
WATER TO SERVE VENUS RIDGE PHASE THREE	
DESIGNED BY	STANLEY R. BRIDGES
FORWARDED BY	RECOMMENDED
DESIGNED	DESIGN ENGINEER
DRAWN	DATE
CHECKED	PROJECT NO. 7
SCALE OF CONTRACT	

8/2/01 01:58:36 PM
 43111001.dwg
 011/23/2001 11:51:52 AM
 011/23/2001

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA!

817-715-3165
 AT&T ENERGY
 1-800-467-3000
 1-800-242-3833
 VERISON
 1-800-483-2000
 817-245-5538
 1-800-96-TESS
 CHARTR COMMUNICATIONS
 FOR OTHER FACILITIES

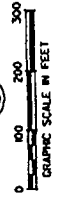
2100 31 000 2 000 2 000
 2100 31 000 2 000 2 000



PRELIMINARY - FOR REVIEW ONLY

These documents are for design purposes only and are not to be used for construction or permit purposes. They were prepared by us under supervision of:

BALWOOD ARCHITECTS, INC.
 38522
 DATE



LEGEND

SEDIMENT BARRIER
 SEDIMENT TRAP
 CONSTRUCTION ENTRANCE / EXIT
 GRADING LIMITS & CLOSING THIS CONTRACT
 PILET PROTECTION
 CHECK DIM
 SURFACE FLOW ARROW

NOTE

TEMPORARY EROSION CONTROL DEVICES TO BE INSTALLED PRIOR TO BEGINNING OF GRADING. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION CONTROL DEVICES AND SHALL REMOVE SILT FROM BERM DITCHES, SILT BANK, AND SILT PILES AS NECESSARY.

NOTE

ALL DISTURBED AREAS NOT RECEIVING PAVEMENT IMPROVEMENTS SHALL BE SEED FOR THE ESTABLISHMENT OF VEGETATION FOR EROSION CONTROL. SEEDING SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE TRANSPORTATION HIGHWAY DIVISION. SPECIFICATIONS, STANDARD EROSION CONTROL, ITEM 64. STANDARD SPECIFICATIONS FOR CONSTRUCTION MATERIALS AND METHODS, 1997 EDITION, SHALL APPLY TO ALL PROJECT AND WATER THE SEEDED AREAS AS NECESSARY AND ACCORDANCE WITH THE SPECIFICATIONS UNTIL THE VEGETATION IS ESTABLISHED.

NOTE

THE GRADING CONTRACTOR SHALL USE WHATEVER MEASURES ARE NEEDED TO PREVENT SILT AND CONSTRUCTION DEBRIS FROM FLOWING ONTO ADJACENT PROPERTIES. THIS CAN BE ACCOMPLISHED BY SMALL TEMPORARY SEDIMENT TRAPS AND/OR BARRIERS. THE GRADING CONTRACTOR SHALL COMPLY WITH ALL LOCAL EROSION, CONSERVATION, AND STATUTE ORDINANCES. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL DEVICES AND THE ESTABLISHMENT OF A STAND OF GRASS SUFFICIENT TO PREVENT EROSION.

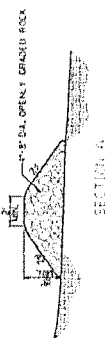
NOTE

GRADING CONTRACTOR TO COMPLY WITH ALL STATE AND LOCAL SEDIMENT CONTROL AND POLLUTION ORDINANCES OR RULES.

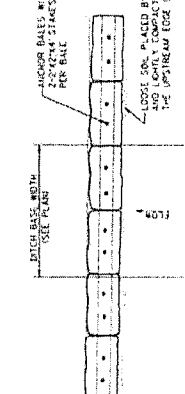
VENUS RIDGE PHASE THREE	
EROSION & SEDIMENT CONTROL	
CITY OF VENUS JOHNSON COUNTY, TEXAS	
SCALE: AS SHOWN	DATE: 2-28-2011
PROJECT NO: 2011-001	DRAWN BY: J. BURGESS
DATE: 2-28-2011	CHECKED BY: J. BURGESS
APPROVED BY: J. BURGESS	SCALE: AS SHOWN
DATE: 2-28-2011	CHECKED BY: J. BURGESS
DATE: 2-28-2011	CHECKED BY: J. BURGESS
DATE: 2-28-2011	CHECKED BY: J. BURGESS
DATE: 2-28-2011	CHECKED BY: J. BURGESS
DATE: 2-28-2011	CHECKED BY: J. BURGESS

Project Name: VENUS RIDGE PHASE THREE	Project No: 2011-001	Project Date: 2-28-2011	Project Location: CITY OF VENUS, JOHNSON COUNTY, TEXAS
Client: CITY OF VENUS	Design: J. BURGESS	Check: J. BURGESS	Appr: J. BURGESS
Scale: AS SHOWN	Date: 2-28-2011	Check: J. BURGESS	Appr: J. BURGESS
Project Name: VENUS RIDGE PHASE THREE	Project No: 2011-001	Project Date: 2-28-2011	Project Location: CITY OF VENUS, JOHNSON COUNTY, TEXAS
Client: CITY OF VENUS	Design: J. BURGESS	Check: J. BURGESS	Appr: J. BURGESS
Scale: AS SHOWN	Date: 2-28-2011	Check: J. BURGESS	Appr: J. BURGESS

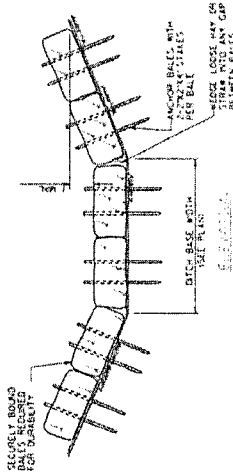
NOTE: REMOVE SILT WHEN DEPTH REACHES 6 INCHES



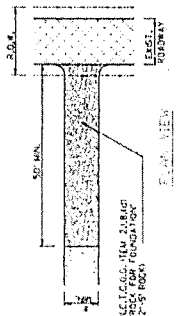
SECTION 1
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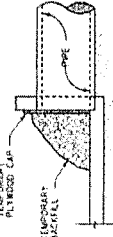
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SECTION 3
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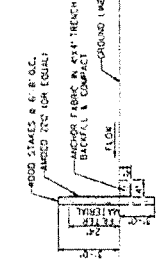


SECTION 4
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SECTION 5
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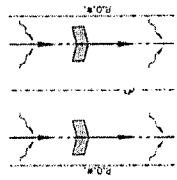
SECTION 6
NO SCALE



SECTION 7
NO SCALE

SECTION 8
NO SCALE

SECTION 9
NO SCALE



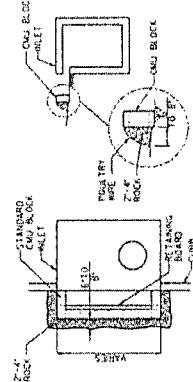
SECTION 10
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SECTION 11
NO SCALE

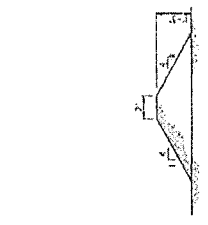


SECTION 12
NO SCALE



SECTION 13
NO SCALE

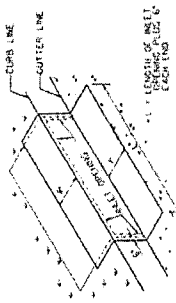
SECTION 14
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SECTION 15
NO SCALE

SECTION 16
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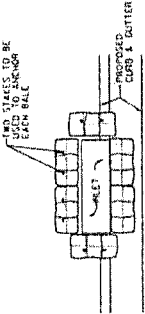
SECTION 17
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SECTION 18
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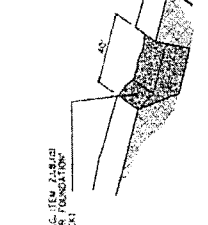
GENERAL NOTES
1. FABRIC TO BE MADE OF 4 GAUGE GALVANIZED STEEL, 3/4\"/>

SECTION 19
NO SCALE



SECTION 20
NO SCALE

SECTION 21
NO SCALE



SECTION 22
NO SCALE

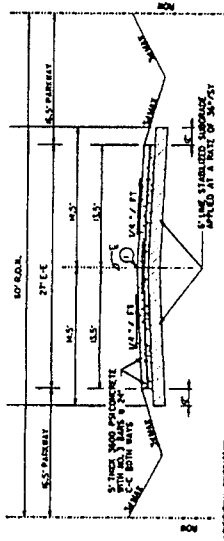
SECTION 23
NO SCALE

SECTION 24
NO SCALE

PRELIMINARY - FOR REVIEW ONLY
These documents are for design review purposes only. They are not to be used for construction. They were prepared by or under supervision of:
BAMBOO ENGINEERING, INC.
DATE: 08/15/2014

VENUS RIDGE PHASE THREE		EROSION & SEDIMENT CONTROL DETAIL
CITY OF VENUS JOHNSON COUNTY, TEXAS		
DATE	08/15/2014	SHEET 9
DESIGNED BY	BAMBOO ENGINEERING, INC.	
CHECKED BY	BAMBOO ENGINEERING, INC.	PROJECT NO.
APPROVED BY	BAMBOO ENGINEERING, INC.	CLIENT

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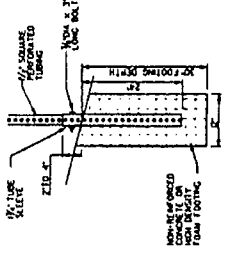
TYPICAL ROADWAY SECTION
PER AASHTO 1993
SECTION 202

INCLUDE 10% OPTIONAL CONTRACTOR
OR SUBMITTER'S JOE.

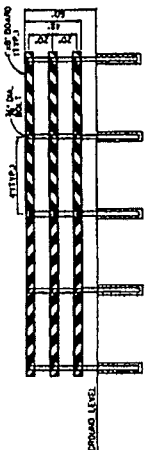
DETAIL A



1. BARRICADE SHALL CONFORM TO THE TEXAS SPEC.
2. LENGTH SHALL BE GIVEN ON PLANS IN MULTIPLES OF 4 FEET.
3. WIDTH AND HEIGHT MAY BE OF EQUAL ALTERNATE DIVISION APPROVED BY THE CONTRACTOR.
4. MINIMUM LENGTH SHALL BE STREET WIDTH MINUS TWO FEET SHALL BE MAINTAINED AT THE END.



TYPICAL PANEL DETAIL FOR POST-TYPE BARRICADES
NO SCALE



PRELIMINARY - FOR REVIEW ONLY
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PHASE THREE

DETAIL B

NOTE: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA.

MOUNTAIN PEAK SLUD.
 972-775-3765
 1-800-483-2000

ATLANTIC ENERGY
 972-775-3765
 1-800-483-2000

VENISON
 972-775-3765
 1-800-483-2000

CHARTER COMMUNICATIONS
 972-775-3765
 1-800-483-2000

FOR OTHER FACILITIES

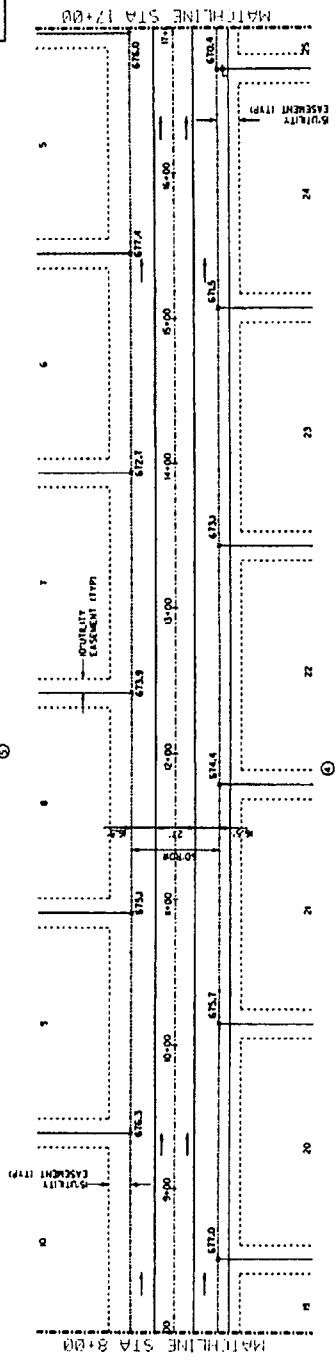
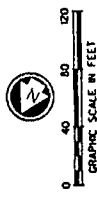
PROJECT BENCHMARKS

BM NO. 1
 X: 100.00, Y: 100.00, Z: 100.00
 (ELEVATION 100.00)

BM NO. 2
 X: 100.00, Y: 100.00, Z: 100.00
 (ELEVATION 100.00)

ELEVATION 100.00

NOTE: CHANGES SHOWN AT FRONT PROPERTY CORNERS ARE CONSTRUCTED AT SAME TIME PAVING COMPLETED.



CASHEW DRIVE

STATION	ELEVATION	VERTICAL CURVE DATA
690	690.00	
680	680.00	
670	670.00	
660	660.00	

VENUS RIDGE
 PHASE THREE
 CASHEN DRIVE
 STA. 8+00 TO 17+00
 CITY OF VENUS
 JOHNSON COUNTY, TEXAS

DATE: _____
 SHEET: 13

NOTES: THE CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST 14 DAYS PRIOR TO EXCAVATING IN THIS AREA:

972-775-3765	1-800-460-3020
1-800-242-793	1-800-463-2000
1-800-463-2000	1-800-463-2000
1-800-463-2000	1-800-463-2000

REGULATORY AGENCIES:
 MODULON PEA S.U.D.
 ATMOS ENERGY
 TAU ELECTRIC
 VERIDON
 CHARTER COMMUNICATIONS
 FOR CABLE FACILITIES

PROJECT BENCHMARKS

BN NO. 1
 IN CORNER OF INTERSECTION OF CASHAW DRIVE AND 75th STREET, NORTH ELEVATION 674.43, TO FROM END OF ADJACENT

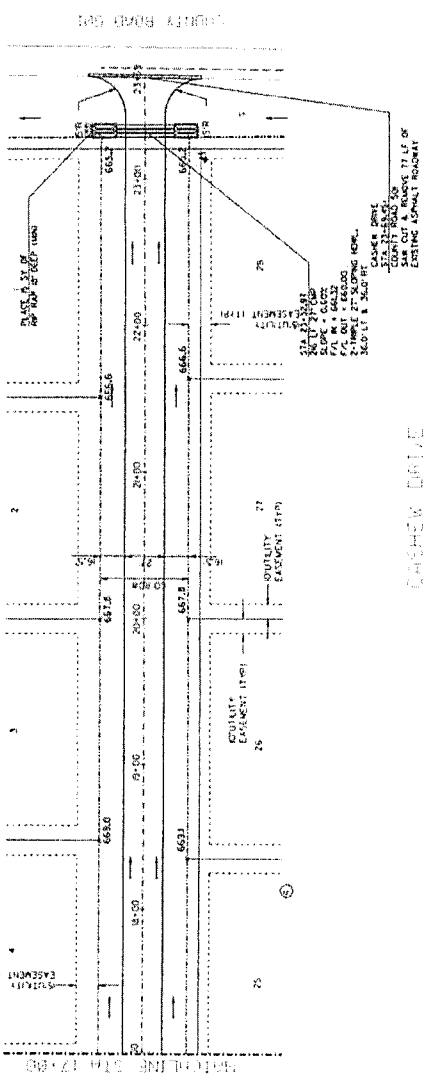
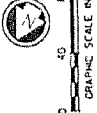
BN NO. 2
 IN CORNER OF INTERSECTION OF CASHAW DRIVE AND 75th STREET, NORTH ELEVATION 674.43, TO FROM END OF ADJACENT

ELEVATION: 674.43

IN CORNER OF INTERSECTION OF CASHAW DRIVE AND 75th STREET, NORTH ELEVATION 674.43, TO FROM END OF ADJACENT

ELEVATION: 674.43

NOTES: THESE SHEETS FROM REPORT PREPARED AT SAME TIME PARKING COMPLETED.



STATION	DESCRIPTION	ELEVATION	REMARKS
670+00	PROPOSED DITCH - RT & LT FL @ -0.80%	670.00	
670+10	PROPOSED DITCH - RT & LT FL @ -0.80%	670.08	
670+20	PROPOSED DITCH - RT & LT FL @ -0.80%	670.16	
670+30	PROPOSED DITCH - RT & LT FL @ -0.80%	670.24	
670+40	PROPOSED DITCH - RT & LT FL @ -0.80%	670.32	
670+50	PROPOSED DITCH - RT & LT FL @ -0.80%	670.40	
670+60	PROPOSED DITCH - RT & LT FL @ -0.80%	670.48	
670+70	PROPOSED DITCH - RT & LT FL @ -0.80%	670.56	
670+80	PROPOSED DITCH - RT & LT FL @ -0.80%	670.64	
670+90	PROPOSED DITCH - RT & LT FL @ -0.80%	670.72	
671+00	PROPOSED DITCH - RT & LT FL @ -0.80%	670.80	
671+10	PROPOSED DITCH - RT & LT FL @ -0.80%	670.88	
671+20	PROPOSED DITCH - RT & LT FL @ -0.80%	670.96	
671+30	PROPOSED DITCH - RT & LT FL @ -0.80%	671.04	
671+40	PROPOSED DITCH - RT & LT FL @ -0.80%	671.12	
671+50	PROPOSED DITCH - RT & LT FL @ -0.80%	671.20	
671+60	PROPOSED DITCH - RT & LT FL @ -0.80%	671.28	
671+70	PROPOSED DITCH - RT & LT FL @ -0.80%	671.36	
671+80	PROPOSED DITCH - RT & LT FL @ -0.80%	671.44	
671+90	PROPOSED DITCH - RT & LT FL @ -0.80%	671.52	
672+00	PROPOSED DITCH - RT & LT FL @ -0.80%	671.60	
672+10	PROPOSED DITCH - RT & LT FL @ -0.80%	671.68	
672+20	PROPOSED DITCH - RT & LT FL @ -0.80%	671.76	
672+30	PROPOSED DITCH - RT & LT FL @ -0.80%	671.84	
672+40	PROPOSED DITCH - RT & LT FL @ -0.80%	671.92	
672+50	PROPOSED DITCH - RT & LT FL @ -0.80%	672.00	
672+60	PROPOSED DITCH - RT & LT FL @ -0.80%	672.08	
672+70	PROPOSED DITCH - RT & LT FL @ -0.80%	672.16	
672+80	PROPOSED DITCH - RT & LT FL @ -0.80%	672.24	
672+90	PROPOSED DITCH - RT & LT FL @ -0.80%	672.32	
673+00	PROPOSED DITCH - RT & LT FL @ -0.80%	672.40	
673+10	PROPOSED DITCH - RT & LT FL @ -0.80%	672.48	
673+20	PROPOSED DITCH - RT & LT FL @ -0.80%	672.56	
673+30	PROPOSED DITCH - RT & LT FL @ -0.80%	672.64	
673+40	PROPOSED DITCH - RT & LT FL @ -0.80%	672.72	
673+50	PROPOSED DITCH - RT & LT FL @ -0.80%	672.80	
673+60	PROPOSED DITCH - RT & LT FL @ -0.80%	672.88	
673+70	PROPOSED DITCH - RT & LT FL @ -0.80%	672.96	
673+80	PROPOSED DITCH - RT & LT FL @ -0.80%	673.04	
673+90	PROPOSED DITCH - RT & LT FL @ -0.80%	673.12	
674+00	PROPOSED DITCH - RT & LT FL @ -0.80%	673.20	
674+10	PROPOSED DITCH - RT & LT FL @ -0.80%	673.28	
674+20	PROPOSED DITCH - RT & LT FL @ -0.80%	673.36	
674+30	PROPOSED DITCH - RT & LT FL @ -0.80%	673.44	
674+40	PROPOSED DITCH - RT & LT FL @ -0.80%	673.52	
674+50	PROPOSED DITCH - RT & LT FL @ -0.80%	673.60	
674+60	PROPOSED DITCH - RT & LT FL @ -0.80%	673.68	
674+70	PROPOSED DITCH - RT & LT FL @ -0.80%	673.76	
674+80	PROPOSED DITCH - RT & LT FL @ -0.80%	673.84	
674+90	PROPOSED DITCH - RT & LT FL @ -0.80%	673.92	
675+00	PROPOSED DITCH - RT & LT FL @ -0.80%	674.00	

VENUS RIDGE
 PHASE THREE
 CASHAW DRIVE
 STA. 670+00 TO STA. 675+00
 CITY OF VENUS
 JOHNSON COUNTY, TEXAS

PREPARED BY: [Signature]

CHECKED BY: [Signature]

DATE: [Date]

SHEET: 14

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TABLE OF VARIABLE DIMENSIONS AND QUANTITIES FOR ONE HEADWALL

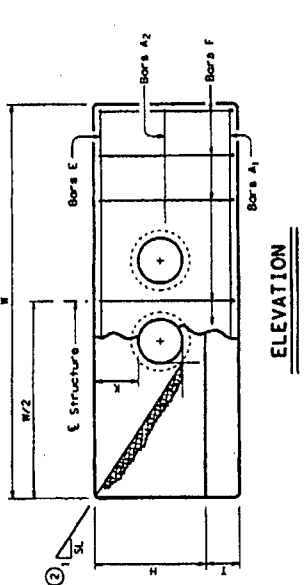
SLOPE	Values for one Pipe		Values for one Pipe		Values for one Pipe	
	W	H	W	H	W	H
12°	9'-0"	122	11.1	1'-9"	15	0.2
15°	10'-3"	136	1.3	2'-2"	16	0.2
18°	11'-6"	153	1.5	2'-8"	19	0.3
21°	12'-9"	163	1.8	3'-1"	31	0.4
24°	14'-0"	217	2.1	3'-7"	34	0.5
27°	15'-3"	254	2.4	3'-11"	37	0.5
30°	16'-6"	272	2.7	4'-4"	40	0.6
33°	17'-9"	314	3.1	4'-8"	43	0.6
36°	19'-0"	371	3.9	5'-1"	46	0.8
42°	21'-6"	442	4.9	5'-10"	52	1.0
48°	25'-0"	569	6.4	6'-7"	59	1.3
54°	27'-6"	701	7.5	7'-6"	82	1.6
60°	30'-0"	794	8.8	8'-3"	90	1.8
66°	32'-6"	894	10.2	9'-9"	96	2.0
72°	35'-0"	1043	11.2	9'-4"	103	2.3
12°	12'-0"	134	1.5	1'-9"	14	0.2
15°	14'-0"	151	1.5	2'-2"	14	0.2
18°	16'-0"	174	2.2	2'-8"	19	0.2
21°	18'-0"	199	2.6	3'-1"	31	0.4
24°	20'-0"	221	3.0	3'-7"	34	0.4
27°	21'-9"	271	3.5	3'-11"	37	0.5
30°	23'-6"	314	4.0	4'-4"	40	0.5
33°	25'-0"	369	4.6	4'-8"	43	0.6
36°	27'-0"	396	5.1	5'-1"	46	0.8
42°	30'-6"	475	7.1	5'-10"	52	1.0
48°	35'-6"	631	9.2	6'-7"	59	1.3
54°	39'-0"	701	11.0	7'-6"	84	1.6
60°	42'-6"	771	12.9	8'-3"	91	1.8
66°	46'-0"	854	14.9	9'-9"	98	2.0
72°	49'-6"	951	17.1	9'-4"	103	2.3
12°	17'-0"	279	2.0	1'-9"	15	0.2
15°	19'-3"	266	2.4	2'-2"	17	0.2
18°	21'-6"	308	2.9	2'-8"	19	0.3
21°	23'-9"	392	3.5	3'-1"	31	0.3
24°	26'-0"	430	3.9	3'-7"	34	0.4
27°	28'-3"	486	4.7	3'-11"	37	0.5
30°	30'-6"	538	5.2	4'-4"	40	0.6
33°	32'-9"	603	6.0	4'-8"	42	0.6
36°	35'-0"	738	7.5	5'-1"	47	0.8
42°	39'-6"	881	9.3	5'-10"	52	1.0
48°	46'-0"	1102	12.1	6'-7"	61	1.3
54°	50'-6"	1364	14.4	7'-6"	84	1.6
60°	55'-0"	1547	16.9	8'-3"	91	1.8
66°	59'-6"	1741	19.5	9'-9"	98	2.0
72°	64'-0"	2069	22.4	9'-4"	102	2.3
12°	25'-0"	338	3.0	1'-9"	14	0.2
15°	28'-3"	384	3.6	2'-2"	17	0.2
18°	31'-6"	452	4.2	2'-8"	19	0.3
21°	34'-9"	581	5.1	3'-1"	31	0.4
24°	38'-0"	644	5.8	3'-7"	34	0.4
27°	41'-3"	737	6.9	3'-11"	37	0.5
30°	44'-6"	807	7.7	4'-4"	39	0.6
33°	47'-9"	912	8.9	4'-8"	44	0.6
36°	51'-0"	1108	11.0	5'-1"	48	0.8
42°	57'-6"	1318	13.7	5'-10"	54	1.0
48°	63'-0"	1672	17.9	6'-7"	59	1.3
54°	71'-6"	2064	21.3	7'-6"	83	1.6
60°	80'-0"	2343	24.9	8'-3"	89	1.8
66°	88'-6"	2635	28.9	9'-9"	96	2.0
72°	93'-0"	3123	33.1	9'-4"	101	2.3

TABLE OF CONSTANT DIMENSIONS

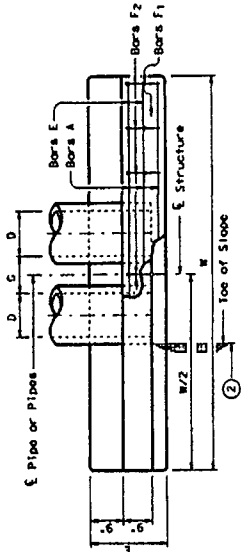
W	H	K	H	T	E
12°	9'	1'-0"	12'-8"	9'	1'-9"
15°	11'	1'-0"	12'-11"	9'	1'-9"
18°	11'-2"	1'-0"	13'-2"	9'	1'-9"
21°	11'-4"	1'-0"	13'-5"	9'	1'-9"
24°	11'-7"	1'-0"	13'-8"	9'	1'-9"
27°	11'-8"	1'-0"	13'-11"	9'	1'-9"
30°	11'-10"	1'-0"	14'-2"	9'	1'-9"
33°	11'-11"	1'-0"	14'-5"	9'	1'-9"
36°	12'-1"	1'-0"	14'-8"	9'	1'-9"
42°	12'-4"	1'-0"	15'-2"	11'-0"	2'-9"
48°	12'-7"	1'-0"	15'-11"	11'-0"	3'-0"
54°	13'-0"	1'-0"	16'-5"	11'-0"	3'-3"
60°	13'-3"	1'-0"	16'-11"	11'-0"	3'-6"
66°	13'-6"	1'-0"	17'-5"	11'-0"	3'-9"
72°	13'-9"	1'-0"	17'-11"	11'-0"	4'-0"

TABLE OF REINFORCING STEEL

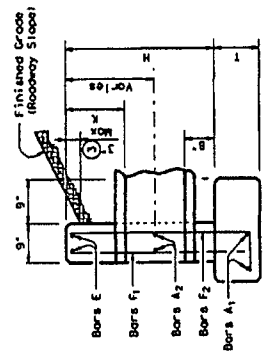
Bar Size	Spa	No.
A1	# 5	2
A2	# 5	1'-6"
E	# 5	1'-6"
F	# 5	1'-0"



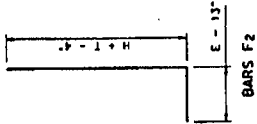
ELEVATION



PLAN OF NON-SKEWED PIPES



SECTION



GENERAL NOTES:
 Designed according to current AASHTO Standard and Interim Specifications. Reinforcing steel shall be furnished with the center of the outside layer of bars 2" from the surface of the concrete.
 All reinforcing steel shall be Grade 60. All concrete shall be minimum compressive strength of 3600 psi.
 No bridge rails of any type may be mounted directly to these culvert headwalls.

Texas Department of Transportation
 Bridge Division

CONCRETE HEADWALLS WITH PARALLEL WINGS FOR NON-SKEWED PIPE CULVERTS

CH-PW-0

DATE: 08/21/10	BY: LKJ	CHK: JH
DATE: 08/21/10	BY: JH	CHK: JH
DATE: 08/21/10	BY: JH	CHK: JH

- Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.
- Indicated slope is perpendicular to centerline Pipe or Pipes.
- For vehicle safety, curbs shall project no more than 3" above finished grade. Cure heights shall be reduced if necessary. No changes will be made in quantities and no additional compensation will be allowed for this work.
- Quantities shown are for one structure end only (one headwall).

DISCLAIMER: The use of this standard is governed by the Texas Engineering Practice Act. The Texas Board of Engineering Examiners is not responsible for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

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