



HIDALGO COUNTY PLANNING DEPARTMENT

1304 SOUTH 25TH STREET
EDINBURG TEXAS 78539
Tel. 956-318-2840 Fax. 956-318-2844

T.J. Arredondo, CFM
Director of Planning

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 10-27-2015

PROPOSED Aurora Valley Phase 4 SUBDIVISION, PRECINCT No. 1.

ENGINEER: Melden & Hunt, Inc. DEVELOPER: M.L. Rhodes

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 92 *SINGLE FAMILY *MULTI-FAMILY COMMERCIAL INSTITUTIONAL

LOCATION DESCRIPTION: East side of Dillon Road, ¼ mile North of Mile 14 North Road (Wisconsin Road)

SUBDIVISION LIES WITHIN THE: *The rural area of the County.*

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 06-24-14 PROPERTY LIES WITHIN FLOOD ZONE: "C" AS PER FEMA.

DRAINAGE DESIGN: Will be provided by a storm drainage pipe system discharging into existing drain ditch north of this development.

ROAD R.O.W. DEDICATION: 20 feet to Dillon Road.

H.C.R.O.W. FINAL APPROVAL DATE: 10-08-15 : By, Roy Gonzalez, Pct. 1 R.O.W. AGENT

H.C.H.D APPROVAL DATE: 08-16-15 by: Elizardo "Chardo" Ramos, Environmental Health Division Manager

SEWER SYSTEM: OSSF HAVE BEEN INSTALLED AND INSPECTED BY HCHD ON: 7-20-2015

WATER SERVICE PROVIDER: N.A.W.S.C. LINE SIZE: 8" LOCATION: Dillon Road & Canton Road.

H.C.O.E.C. FINAL APPROVAL DATE: 10-02-15 : By Martin Ramirez, Director of Office of Environmental Compliance

LARGE CONSTRUCTION

The applicant has submitted the required NOI as per Part II, Section E of the TPDES General Permit for Construction Activities (TXR150000) along with a copy of the Erosion Control Plan for the proposed project.

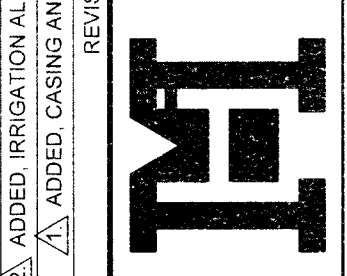
PRELIMINARY APPROVAL FROM THE
HIDALGO COUNTY COMMISSIONERS COURT ON: 9-30-2014

STAFF RECOMMENDS: **Preliminary Approval** *subject to comments and future recommendations by planning and other departments.*

Final Approval *subject to recommendations other departments*

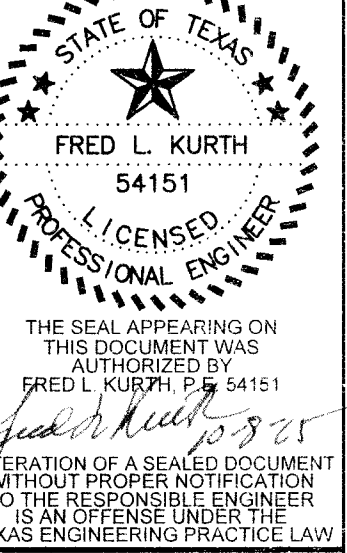
This subdivision plat has been reviewed and complies with the Hidalgo County Subdivision Rules, Texas Water Development Board Model Subdivision Rules and The Texas Local Government Code.

REVISION
 12/22/14 R.D.J.
 12/16/14 R.D.J.
 12/15/14 R.D.J.



ADD. IRRIGATION ALFAVALVE
 ADD. CASING AND BENDS
 ADD. CASING AND BENDS

ENG. TECH. R. DE JESUS
 PROJECT ENG. FLK
 1-BOOK PG.
 1-RELEASE DATE: 10/30/14
 2-RELEASE DATE
 3-RELEASE DATE

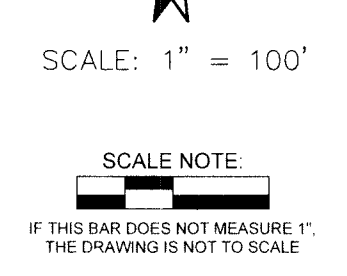
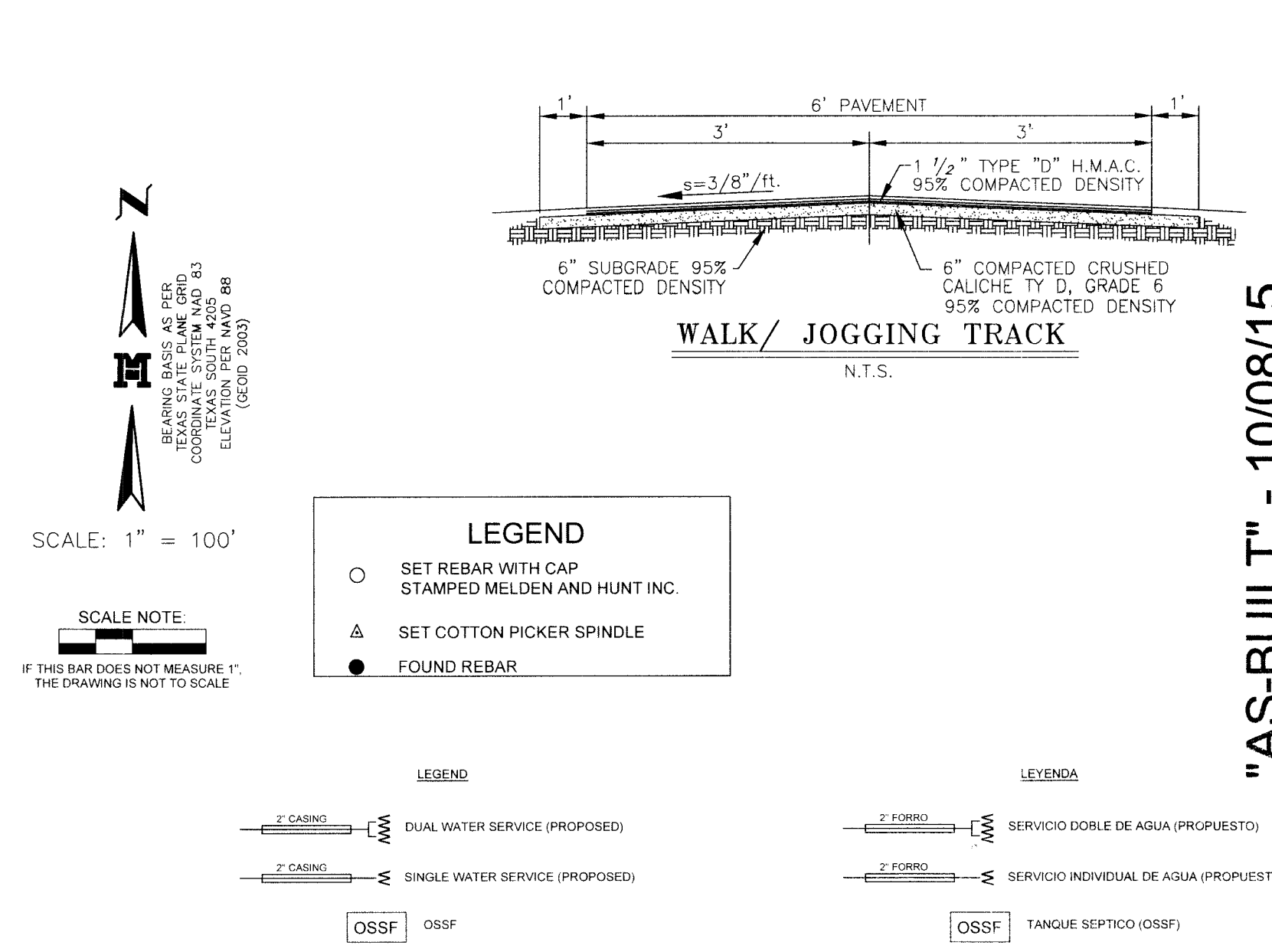
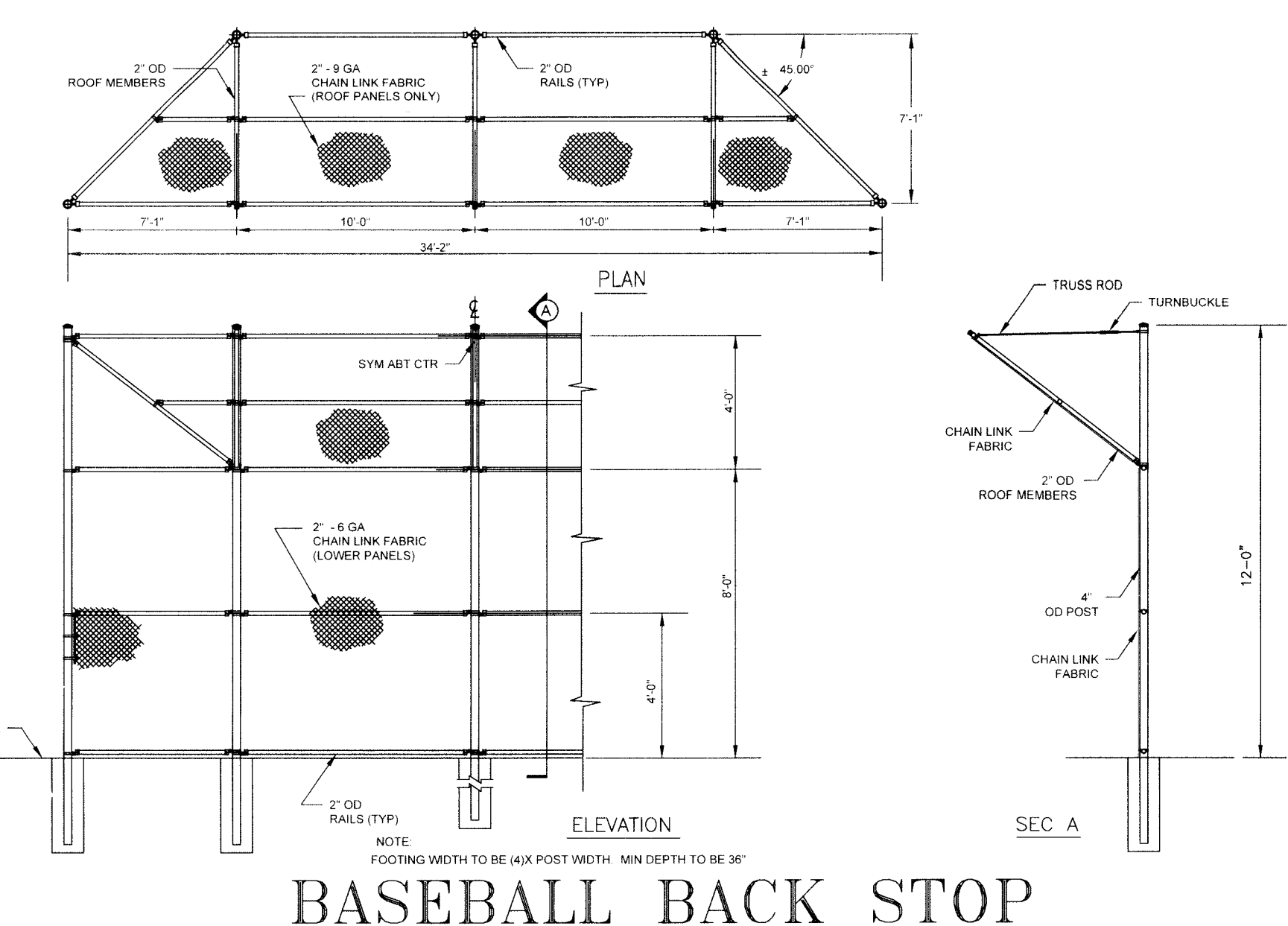
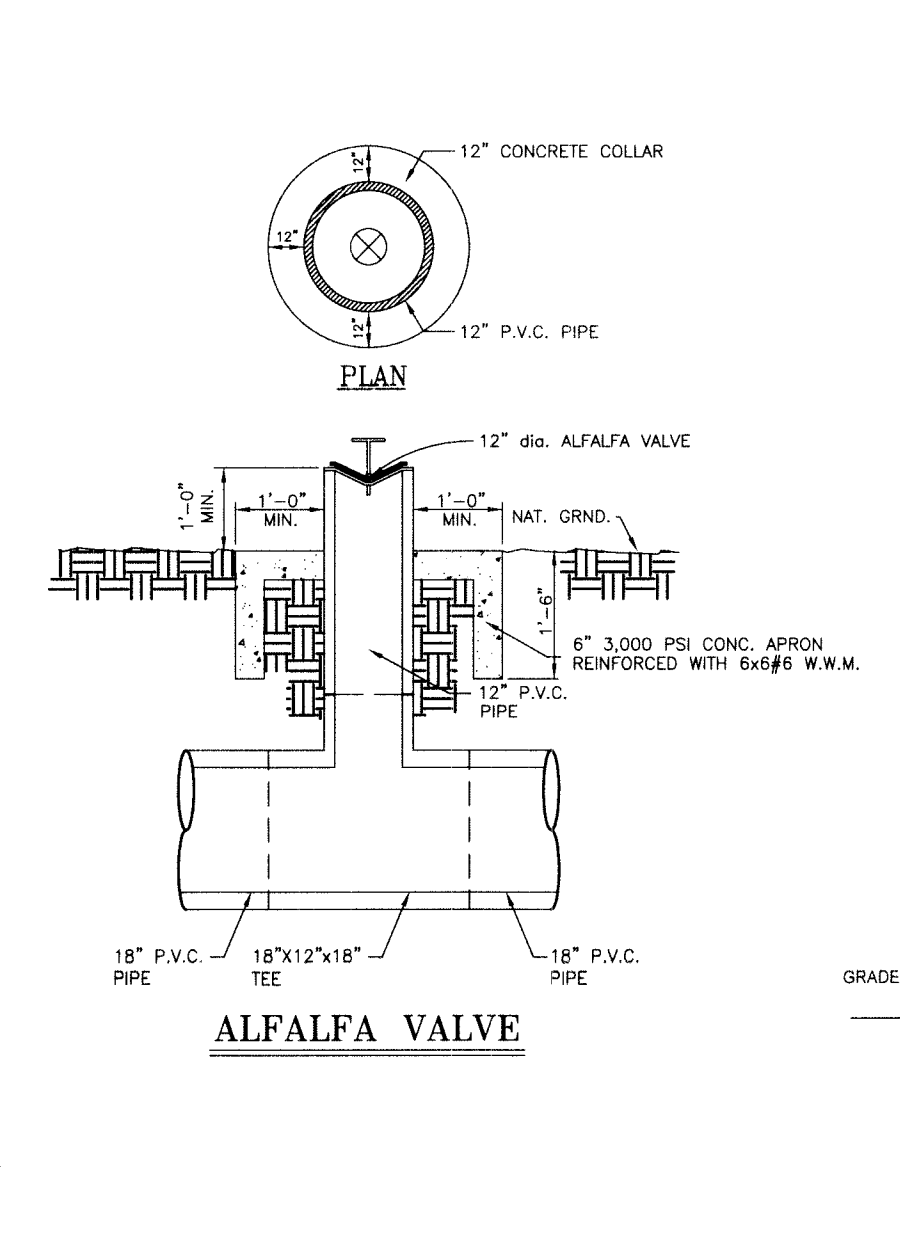
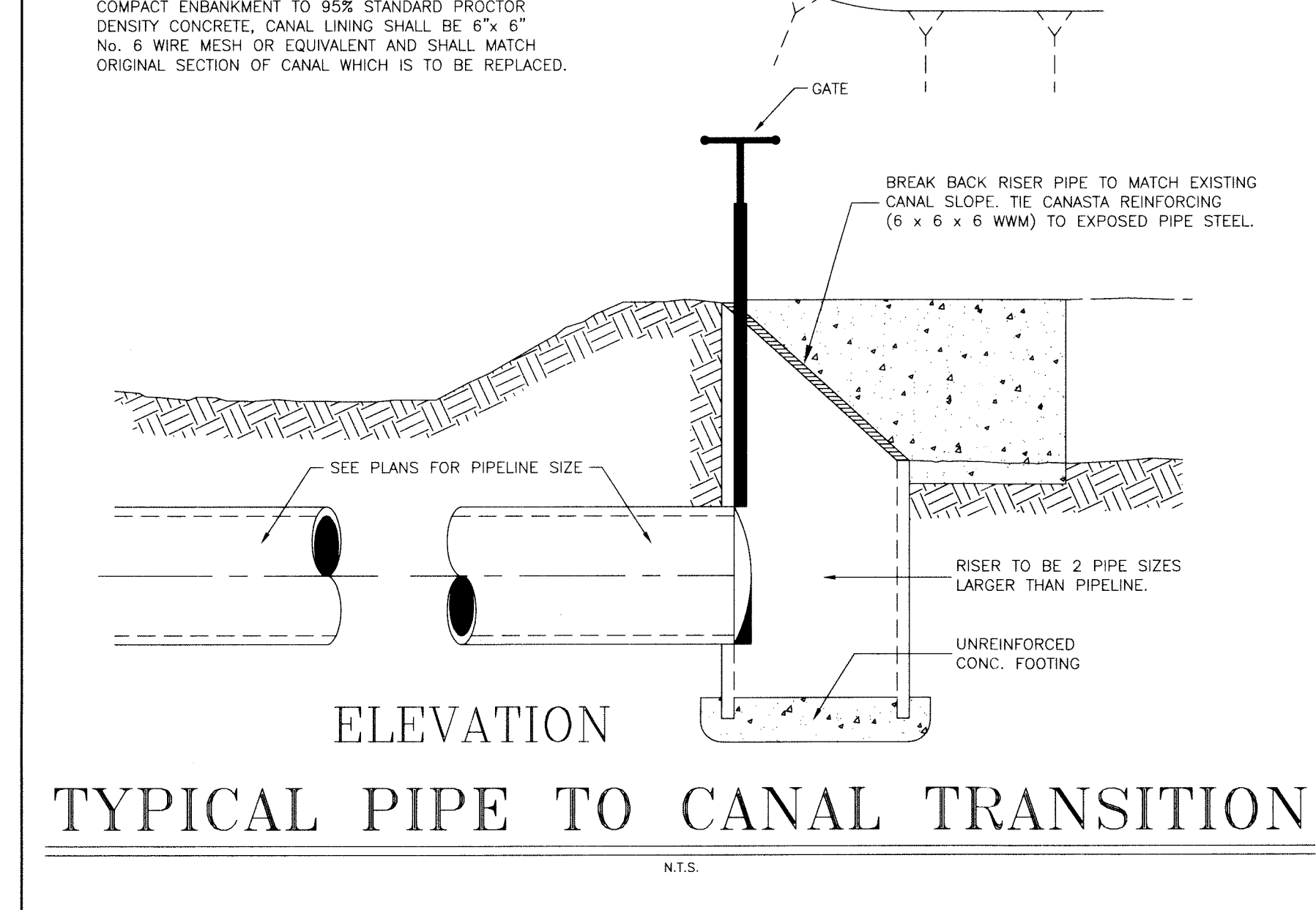
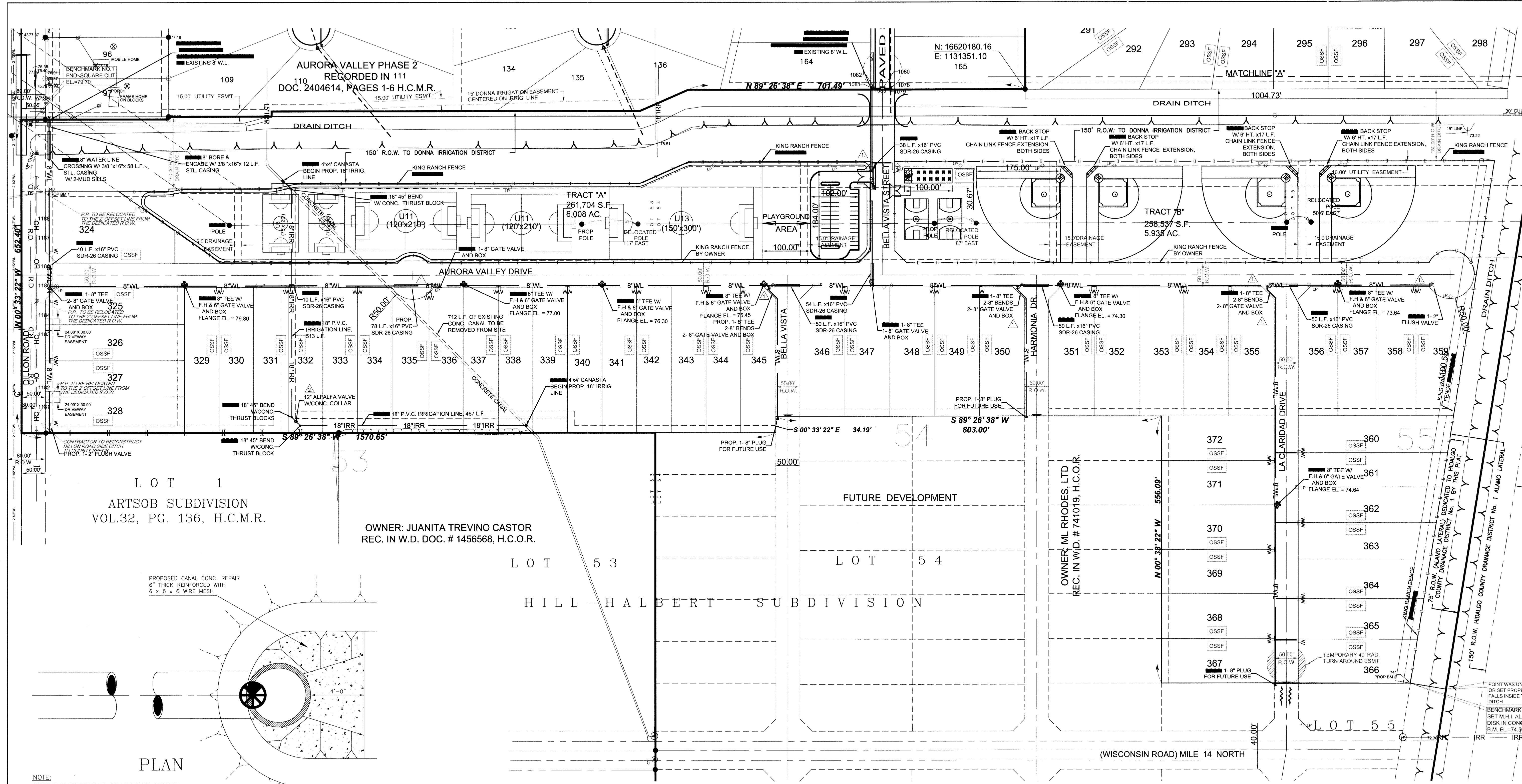


MELDEN & HUNT, INC.
 TEXAS REGISTRATION F-1435
 STATE OF TEXAS
 FRED L. KURTH
 54151
 LICENSED PROFESSIONAL ENGINEER
 THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY FRED L. KURTH, P.E. 54151
 ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN UNLAWFUL ACT UNDER TEXAS ENGINEERING PRACTICE LAW

AURORA VALLEY PHASE 4
HIDALGO COUNTY, TX.

"AS-BUILT" - 10/08/15

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 File Name: Water Layout
 SHEET **2** OF **18**

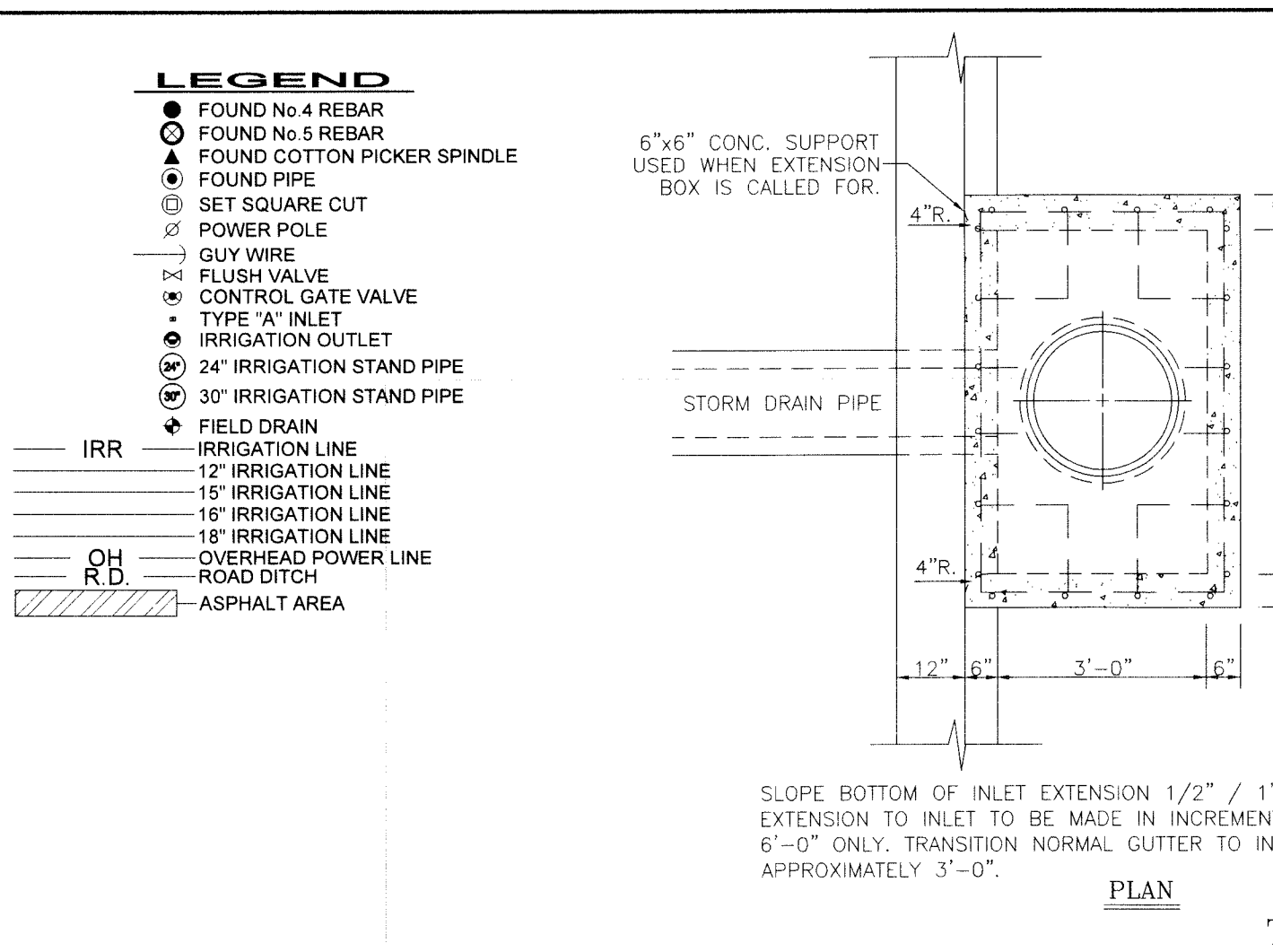
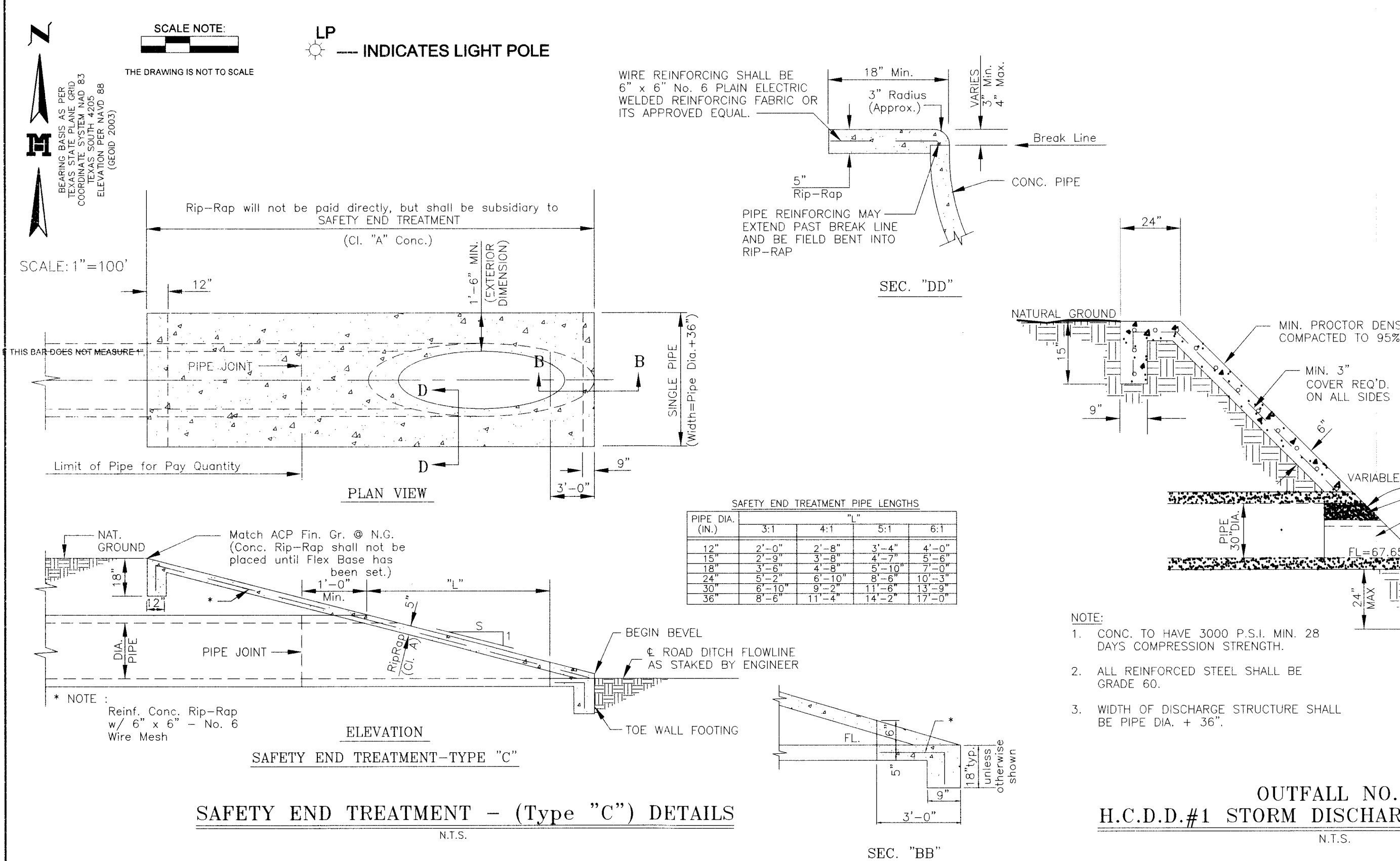
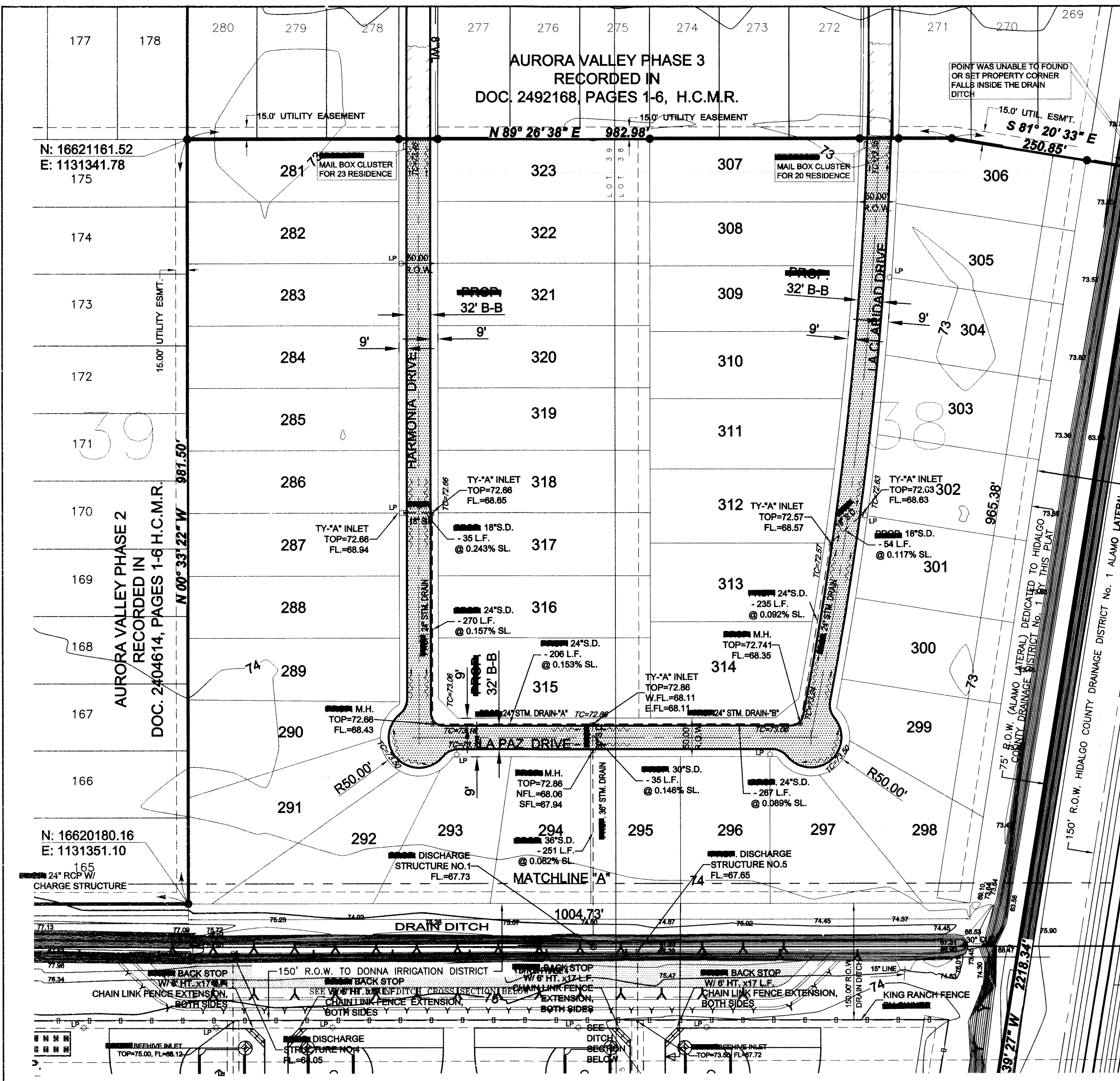


LEGEND

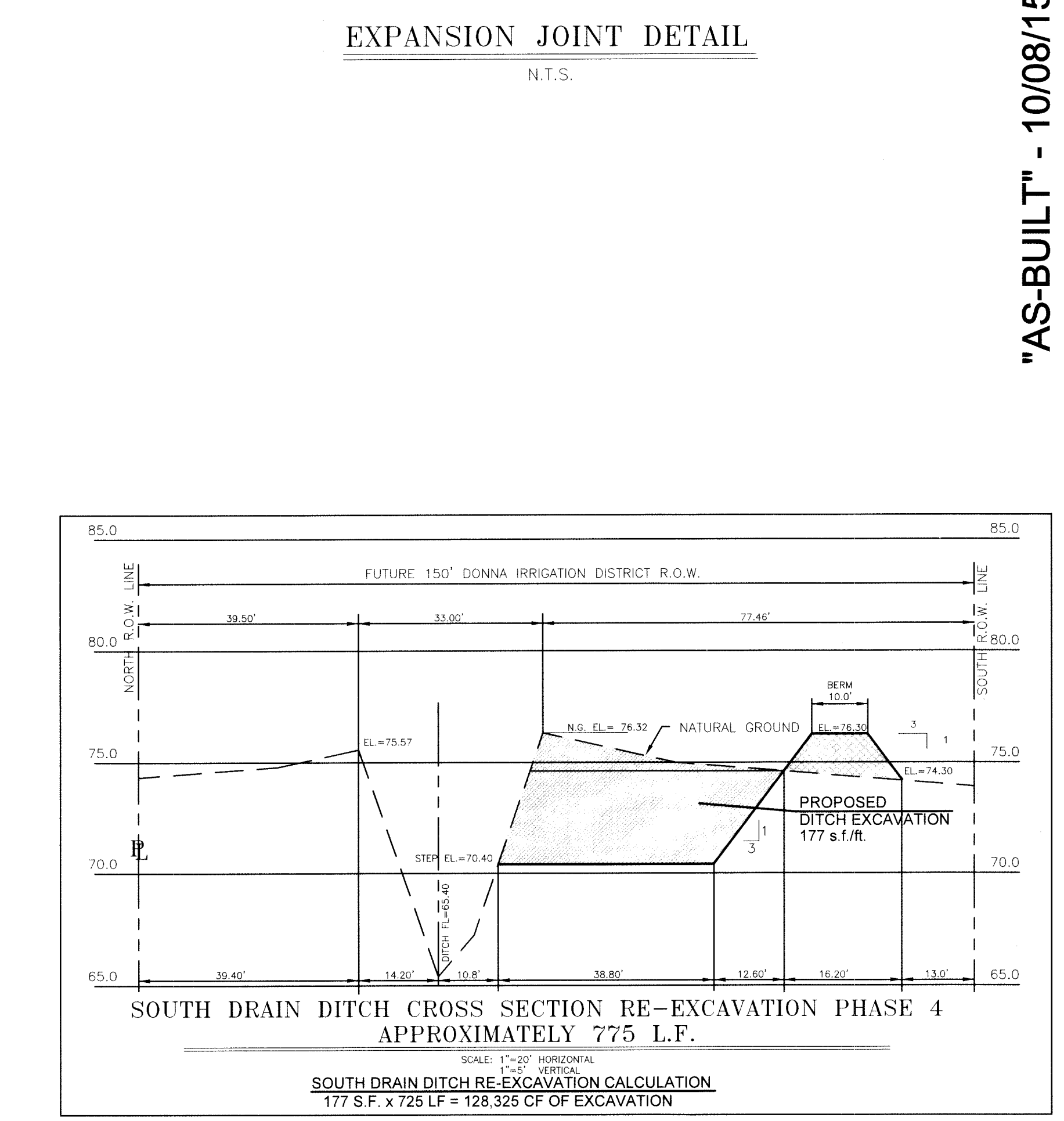
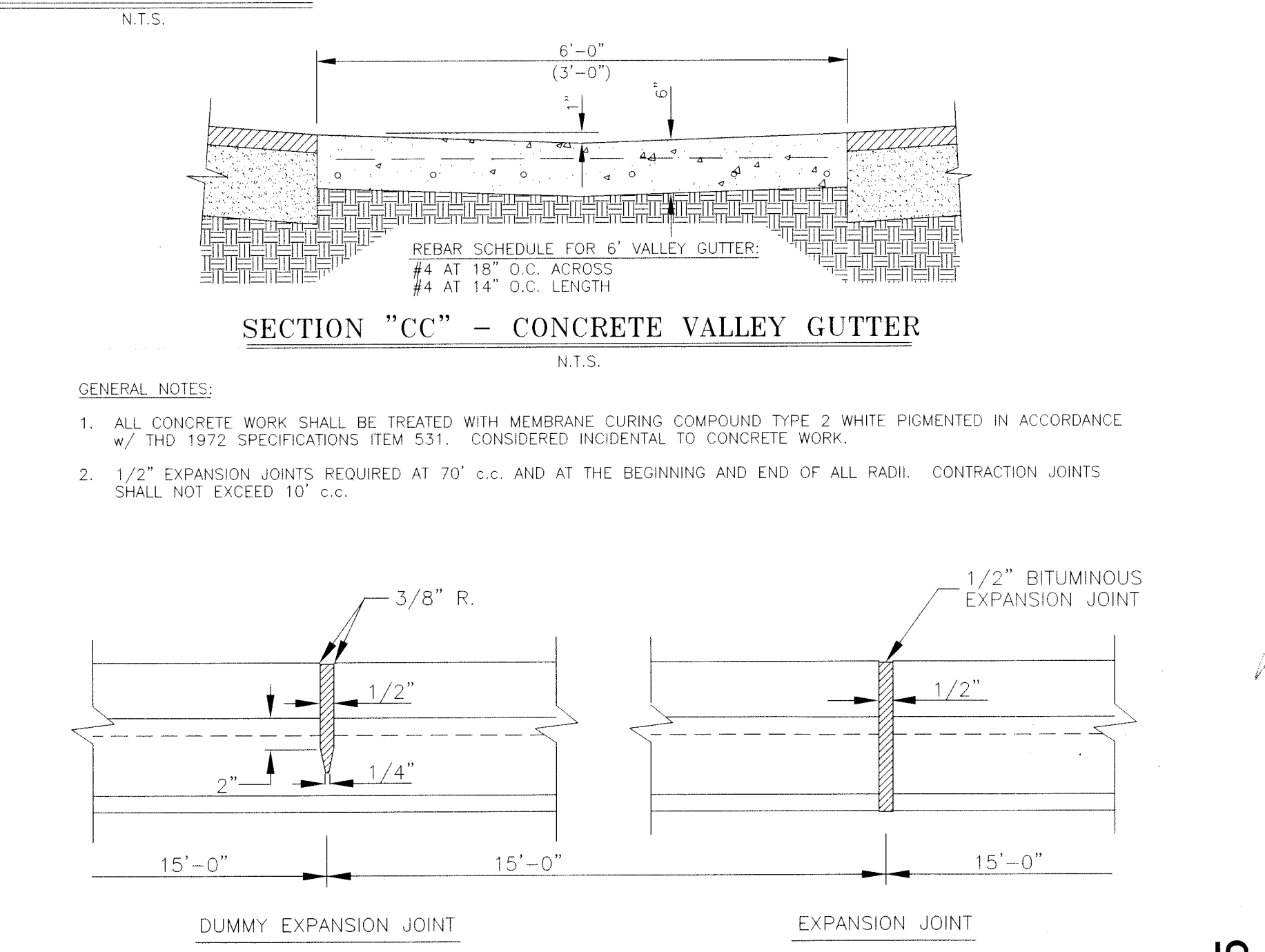
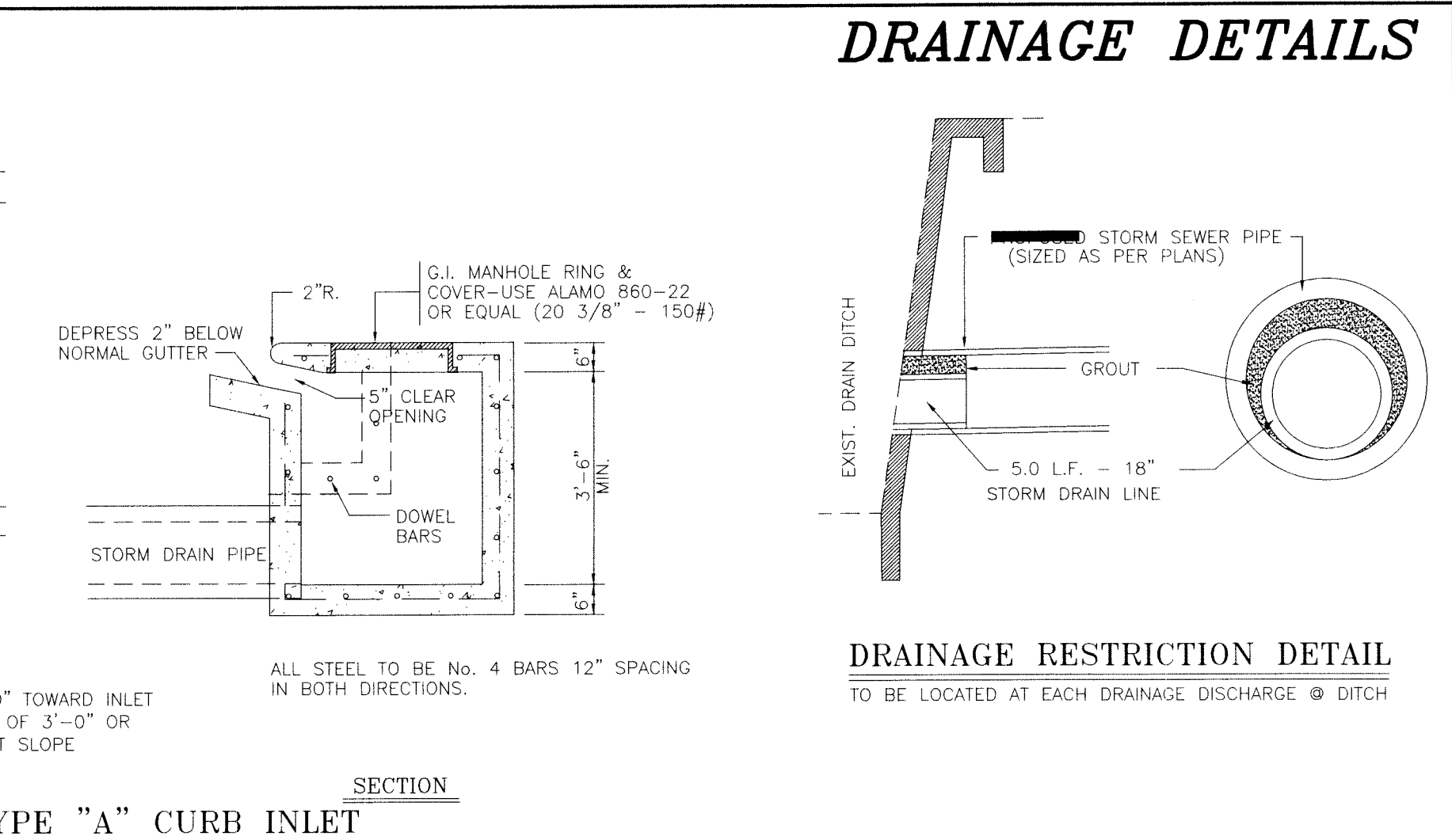
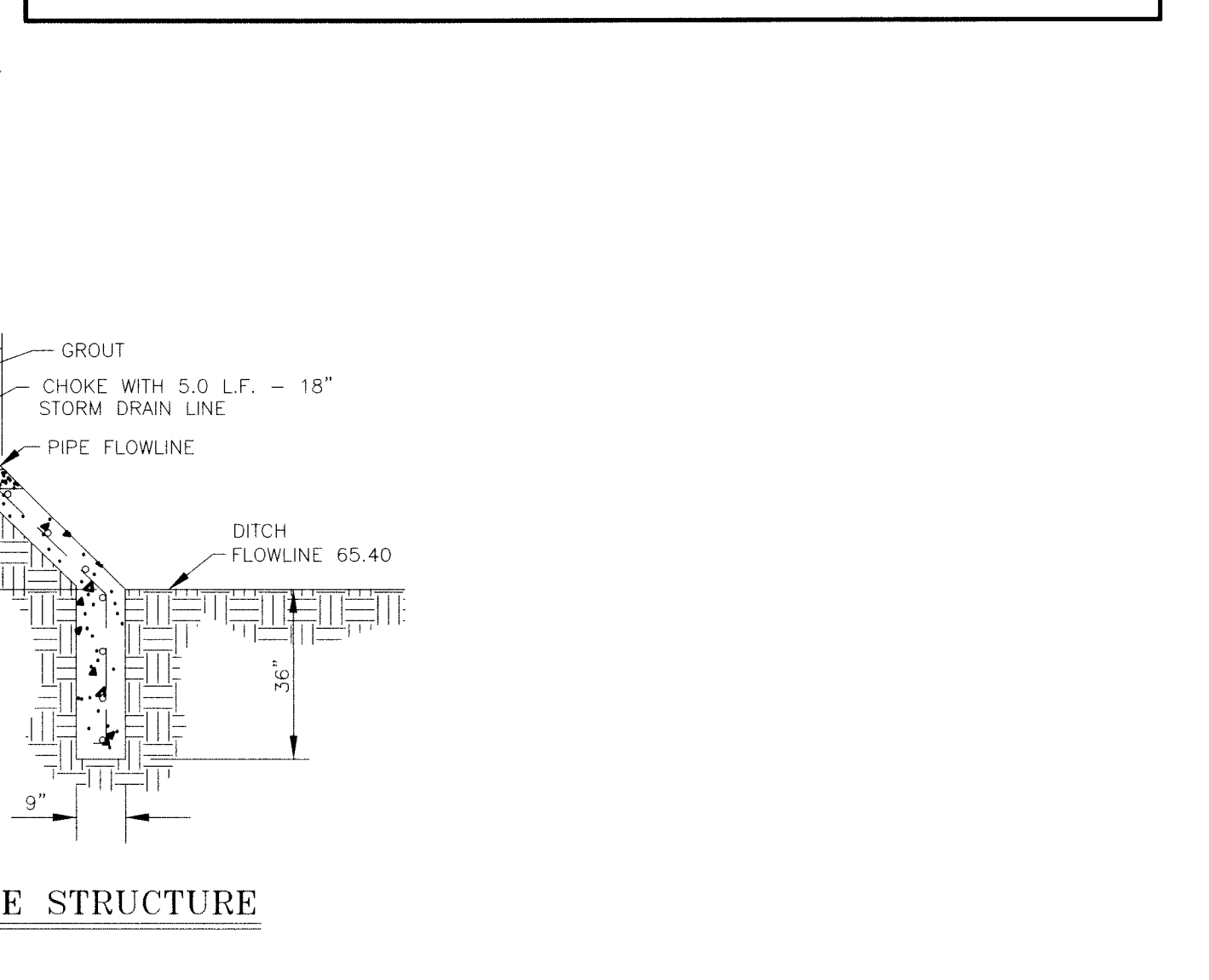
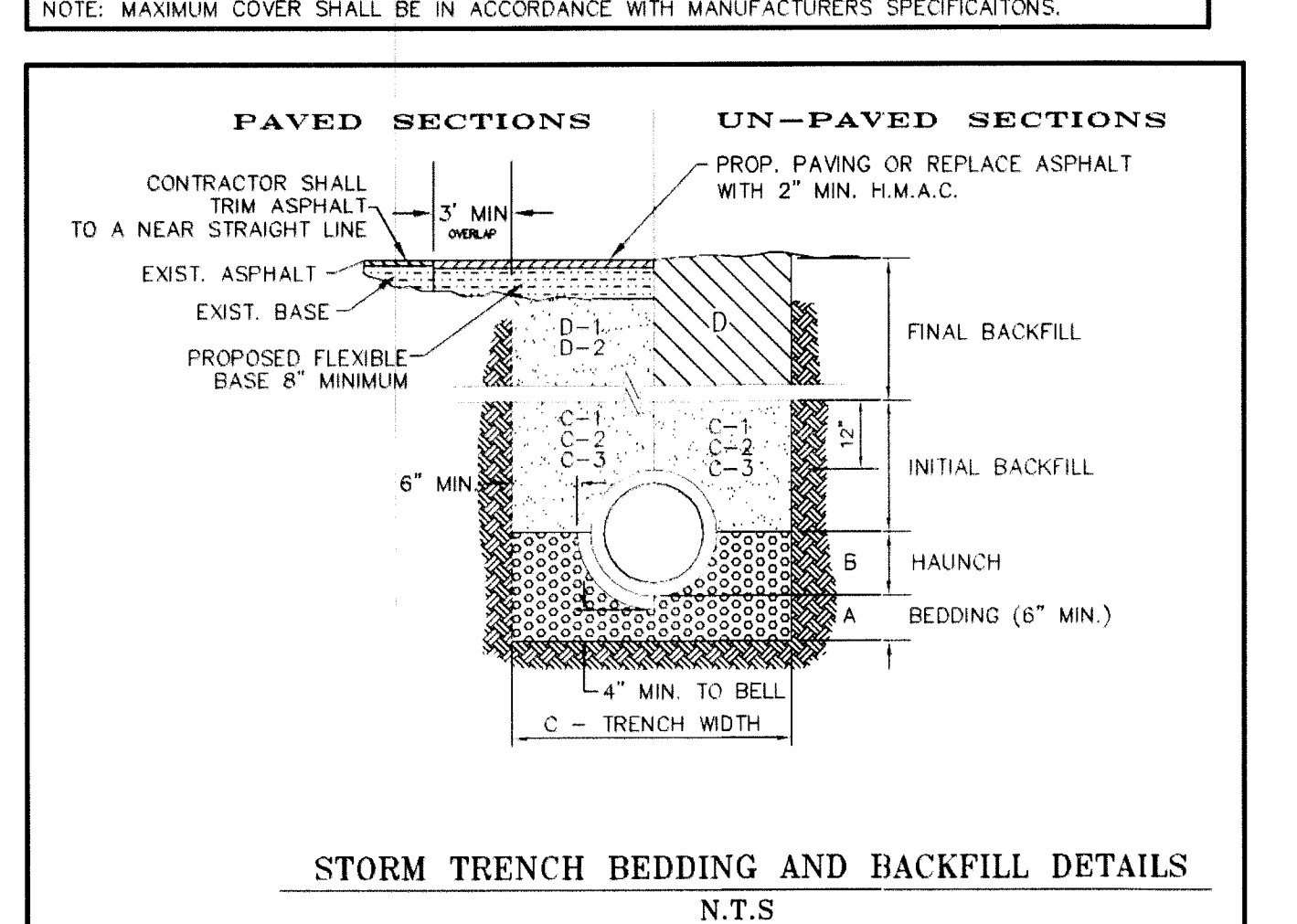
- SET REBAR WITH CAP STAMPED MELDEN AND HUNT INC.
- △ SET COTTON PICKER SPINDLE
- FOUND REBAR

LEGENDA

- DUAL WATER SERVICE (PROPOSED)
- SERVICIO DOBLE DE AGUA (PROPOSTO)
- SINGLE WATER SERVICE (PROPOSED)
- SERVICIO INDIVIDUAL DE AGUA (PROPOSTO)
- TANGUE SEPTICO (OSSF)



- LEGEND**
- FOUND NO. 4 REBAR
 - FOUND NO. 5 REBAR
 - FOUND COTTON PICKER SPINDLE
 - FOUND PIPE
 - SET SQUARE CUT
 - POWER POLE
 - GUY WIRE
 - FLUSH VALVE
 - CONTROL GATE VALVE
 - TYPE "A" INLET
 - IRRIGATION OUTLET
 - 24" IRRIGATION STAND PIPE
 - 30" IRRIGATION STAND PIPE
 - FIELD DRAIN
 - IRRIGATION LINE
 - 12" IRRIGATION LINE
 - 16" IRRIGATION LINE
 - 16" IRRIGATION LINE
 - 18" IRRIGATION LINE
 - OVERHEAD POWER LINE
 - ROAD DITCH
 - ASPHALT AREA
- IRR**
- OH R.D.**
- ASPHALT AREA**
- TYPE "A" CURB INLET**
- N.T.S.
- ALL STEEL TO BE NO. 4 BARS 12" SPACING IN BOTH DIRECTIONS.
- SLOPE BOTTOM OF INLET EXTENSION 1/2" / 1'-0" TOWARD INLET EXTENSION TO INLET TO BE MADE IN INCREMENTS OF 3'-0" OR 6'-0" ONLY. TRANSITION NORMAL GUTTER TO INLET SLOPE APPROXIMATELY 3'-0".
- SECTION**
- TYPE "A" CURB INLET**
- N.T.S.
- REBAR SCHEDULE FOR 6" VALLEY GUTTER:
#4 AT 12" O.C. ACROSS
#4 AT 14" O.C. LENGTH
- SECTION "CC" - CONCRETE VALLEY GUTTER**
- N.T.S.
- GENERAL NOTES:**
- ALL CONCRETE WORK SHALL BE TREATED WITH MEMBRANE CURING COMPOUND TYPE 2 WHITE PIGMENTED IN ACCORDANCE W/ THE 1972 SPECIFICATIONS ITEM 531. CONSIDERED INCIDENTAL TO CONCRETE WORK.
 - 1/2" EXPANSION JOINTS REQUIRED AT 70' C.C. AND AT THE BEGINNING AND END OF ALL RADII. CONTRACTION JOINTS SHALL NOT EXCEED 10' C.C.
- NOTE:** MAXIMUM COVER SHALL BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



JOB No. 14053.01

BY: MELDEN & HUNT INC.

DATE: 10/08/15

REVISION: 1

PROJECT ENG. F.L.K.

T-BOOK: P.C.

1 RELEASE DATE: 10/30/14

2 RELEASE DATE:

3 RELEASE DATE:

SCALE: 1" = 100'

ENG. TECH. R. DEBESIS

MELDEN & HUNT INC.

CONSULTANTS ENGINEERS - SURVEYORS

115 W. MONTYRE

PH: (956) 381-0991

FAX: (956) 381-1939

ESTABLISHED 1947

STATE OF TEXAS

FRED L. KURTH

54151

LICENSED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY FRED L. KURTH P.E. #54151

INTERIOR OF A SEALED DOCUMENT WITHOUT THE SIGNATURE OF THE RESPONSIBLE ENGINEER IS VOID AND THE SIGNATURE OF THE ENGINEER IS VOID WITHOUT THE SEAL OF THE TEXAS ENGINEERING PRACTICE LAW

"AS-BUILT" - 10/08/15

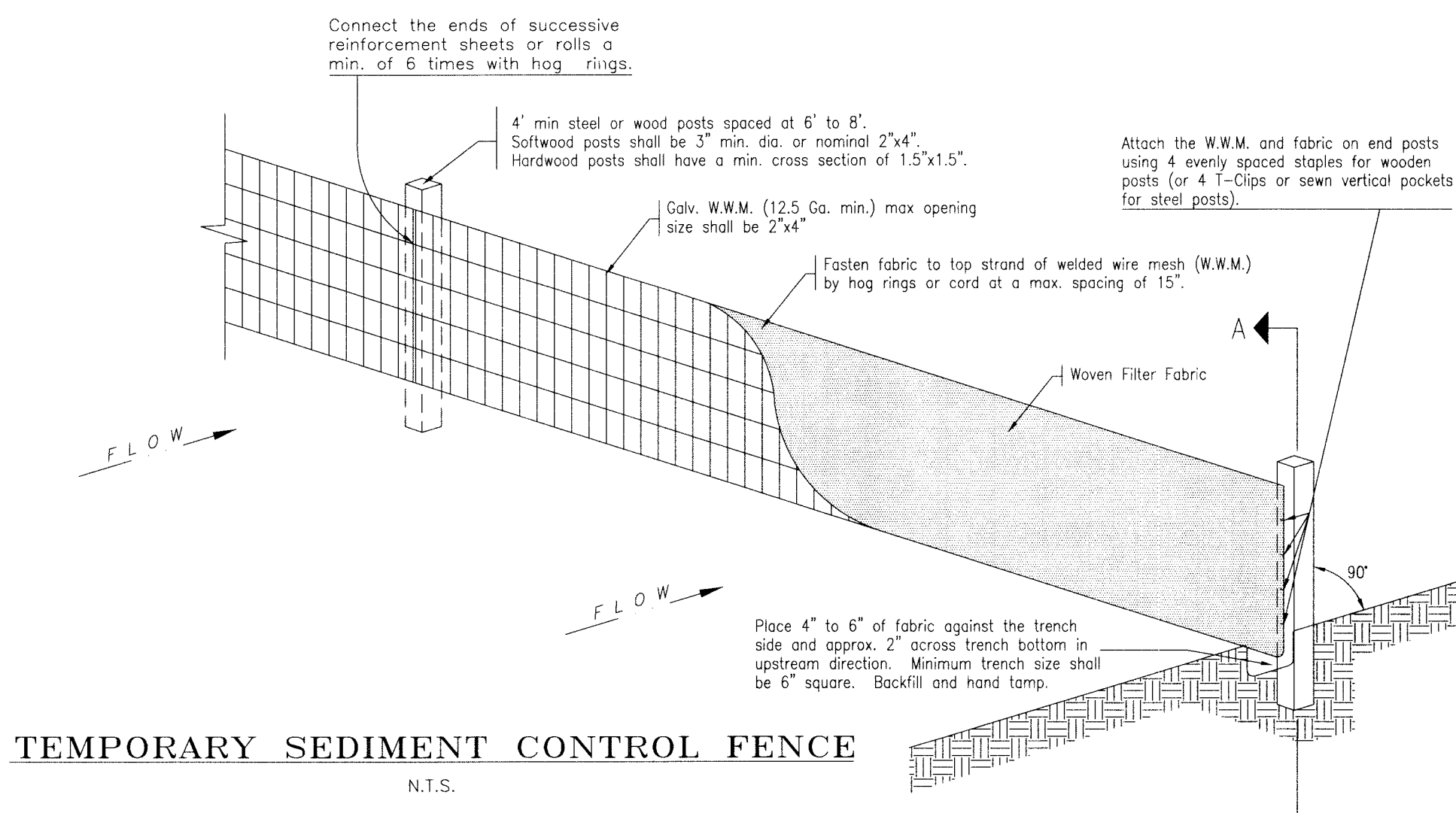
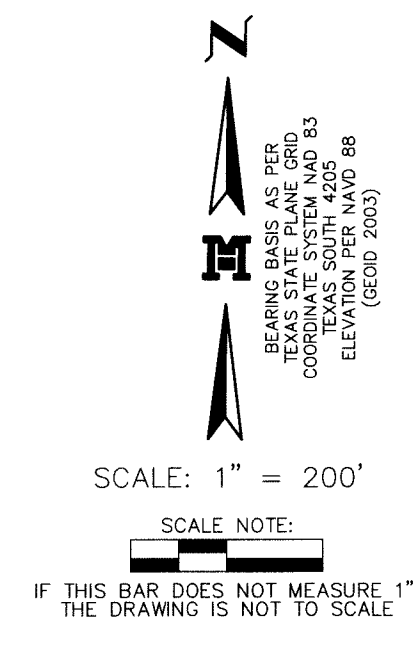
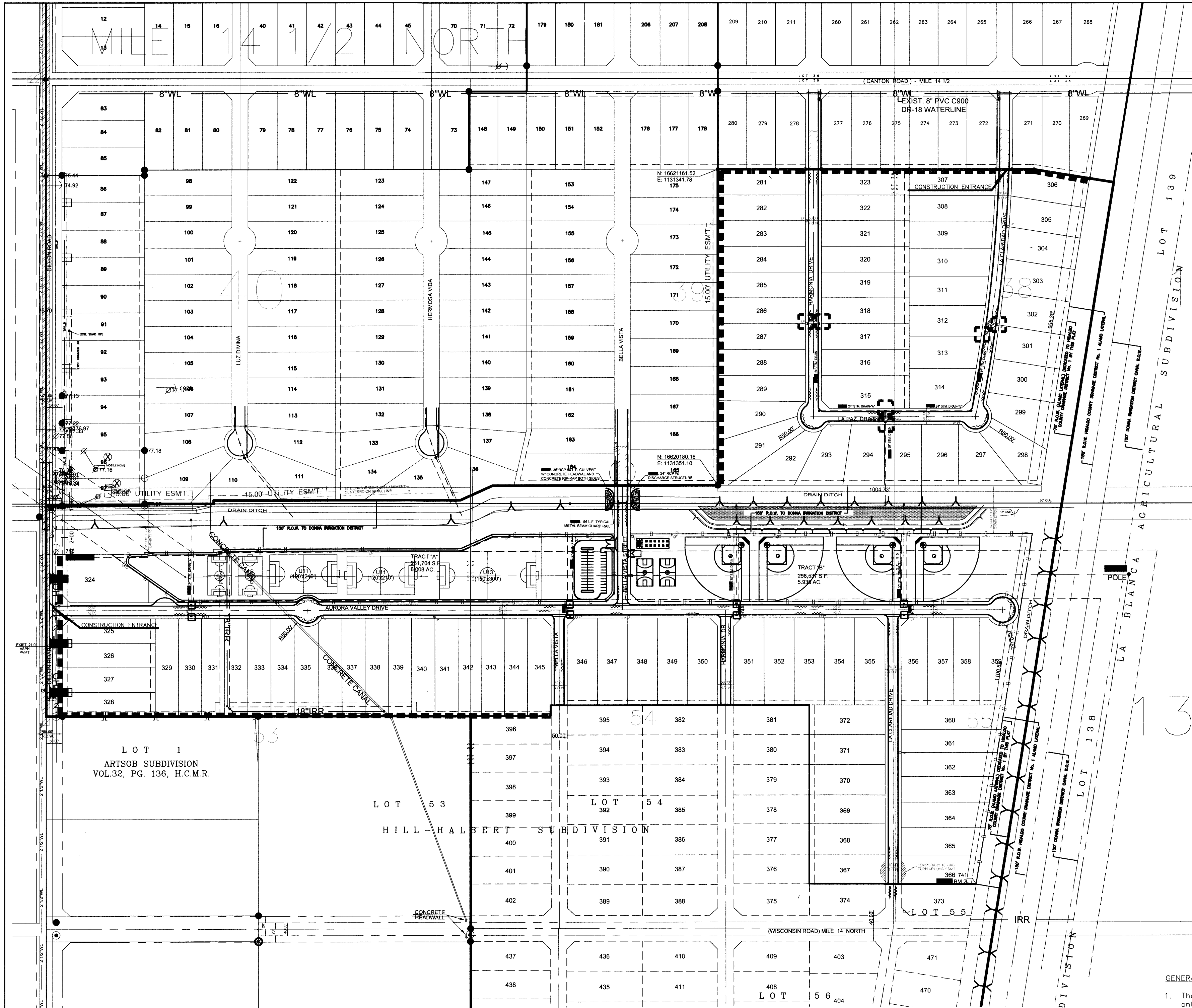
AURORA VALLEY PHASE 4 HIDALGO COUNTY, TX.

TOPOGRAPHY, PAVING AND DRAINAGE LAYOUT

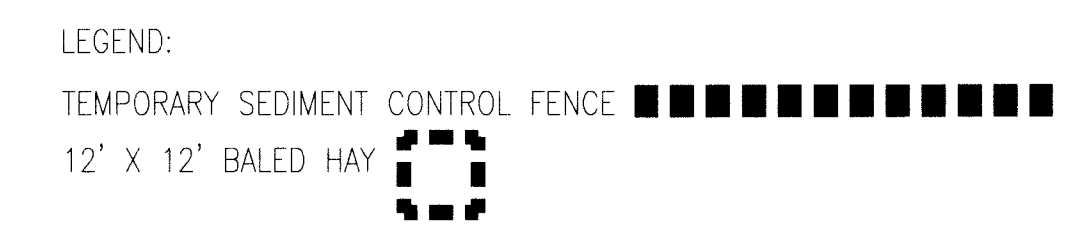
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SHEET 5 OF 18



TEMPORARY SEDIMENT CONTROL FENCE
 N.T.S.



FINAL STABILIZATION:
 11% OF THE PROPERTY WILL BE DISTURBED. THE FINAL STABILIZATION FOR THIS SUBDIVISION SHALL BE ACCOMPLISHED BY SECURING THE EXISTING BALES OF HAY AROUND THE INSTALLED INLETS AND LEAVING THE SEDIMENT CONTROL FENCE IN PLACE UNTIL THE EXPOSED GROUND HAS HAD A CHANCE FOR RE-GROWTH OF NATIVE GRASSES.

GENERAL NOTES:

- The guidelines shown hereon are suggestions only and may be modified by the engineer.
- Hay bales shall be a minimum of 30" in length and weigh a minimum of 50 lbs.
- Hay bales shall be bound by either wire or nylon or polypropylene string. The bales shall be composed entirely of vegetable matter.
- Hay bales shall be embedded in the soil a minimum of 4" and where possible 1/2 the height of the bale.
- Hay bales shall be placed in a row with ends tightly abutting the adjacent bales. The bales shall be placed with bindings parallel to the ground.
- Hay bales shall be securely anchored in place with 3/8" dia. rebar or 2"x2" wood stakes driven through the bales. The first stake shall be angled towards the previously laid bale to force the bales together.

BALED HAY USAGE GUIDELINES

A Baled Hay Installation may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A two year storm frequency may be used to calculate the flow rate to be filtered. The installation should be sized to filter a maximum flow thru rate of 5 GPM/FT of cross sectional area. Baled hay may be used at the following locations:

- Where the runoff approaching the baled hay flows over disturbed soil less than 100'. If the slope of the disturbed soil exceeds 10%, the length of slope upstream the baled hay should be less than 50'.
- Where the installation will be required for less than 3 months.
- Where the contributing drainage area is less than 1/2 acre.

For Baled Hay installations in small ditches, the additional following considerations apply:

- The ditch sideslopes should be graded as flat as possible to maximize the drainage flowrate thru the hay.
- The ditch should be graded large enough to contain the overlapping drainage when sediment has filled to the top of the baled hay.

Bales should be replaced usually every two months or more often during wet weather when loss of structural integrity is accelerated.

GENERAL NOTES:

The guidelines shown hereon are suggestions only and may be modified by the engineer.

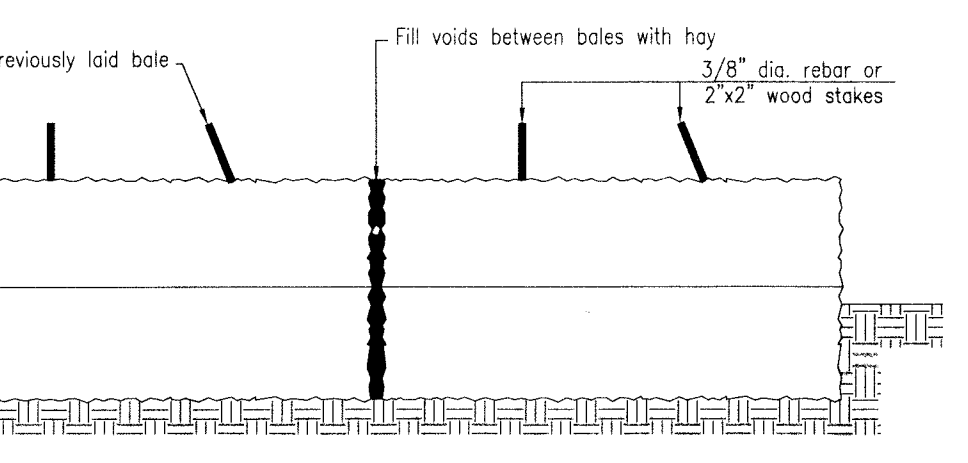
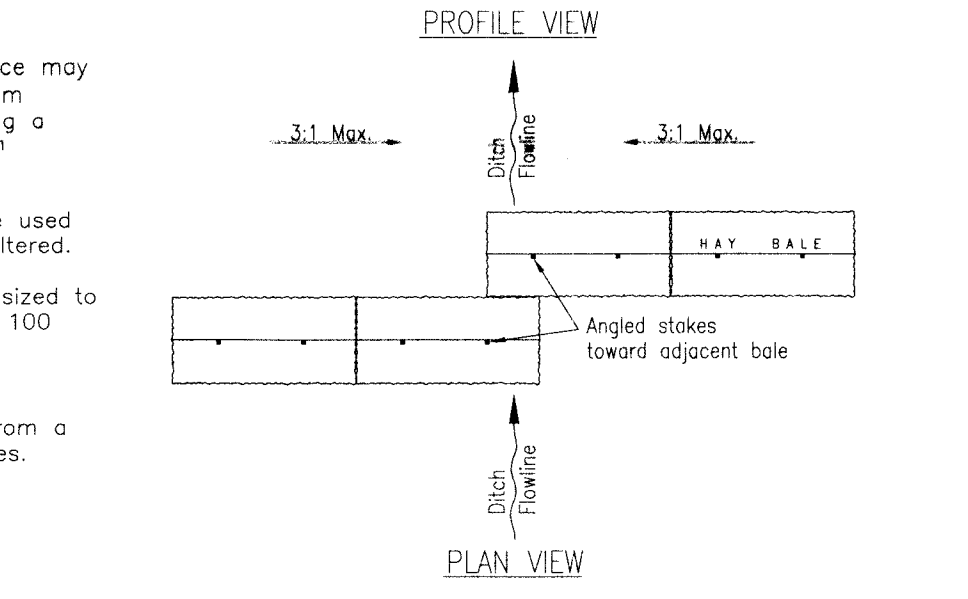
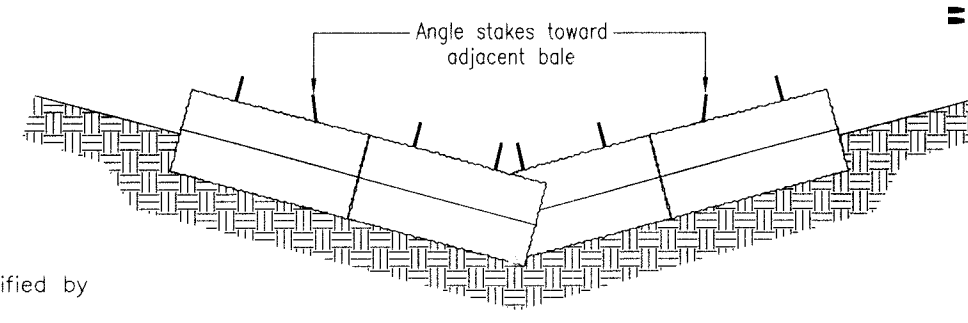
SEDIMENT CONTROL FENCE USAGE

GUIDELINES A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff.

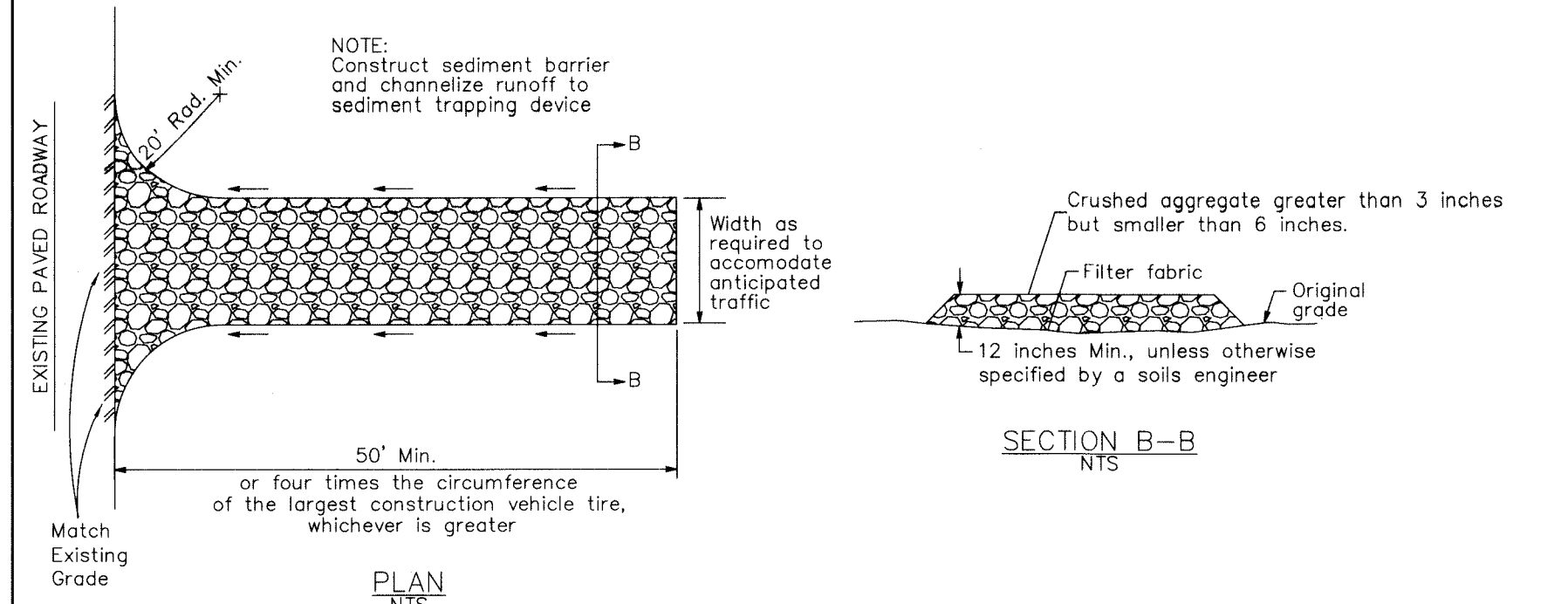
A 2-year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a max. flow through rate of 100 GPM/FT.

Sediment control fence is not recommended to control erosion from a drainage area larger than two acres.



BALED HAY FOR EROSION CONTROL
 N.T.S.



TEMPORARY CONSTRUCTION ENTRANCE
 N.T.S.



FINAL STABILIZATION:
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