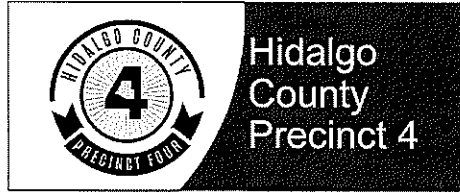


LOCATION MAP



*HIDALGO COUNTY PRECINCT No. 4  
BUS SHELTER - ROUTE 12  
(LRGVDC VALLEY METRO TRANSIT CENTER)*



HIDALGO COUNTY OFFICIALS

RICHARD F. CORTEZ  
DAVID L. FUENTES  
EDUARDO "EDDIE" CANTU  
EVERARDO "EVER" VILLARREAL  
ELLIE TORRES

HIDALGO COUNTY JUDGE  
PRECINCT 1 COMMISSIONER  
PRECINCT 2 COMMISSIONER  
PRECINCT 3 COMMISSIONER  
PRECINCT 4 COMMISSIONER

COVER SHEET:

C-1 COVER & INDEX SHEET

CIVIL IMPROVEMENTS:

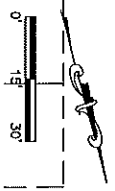
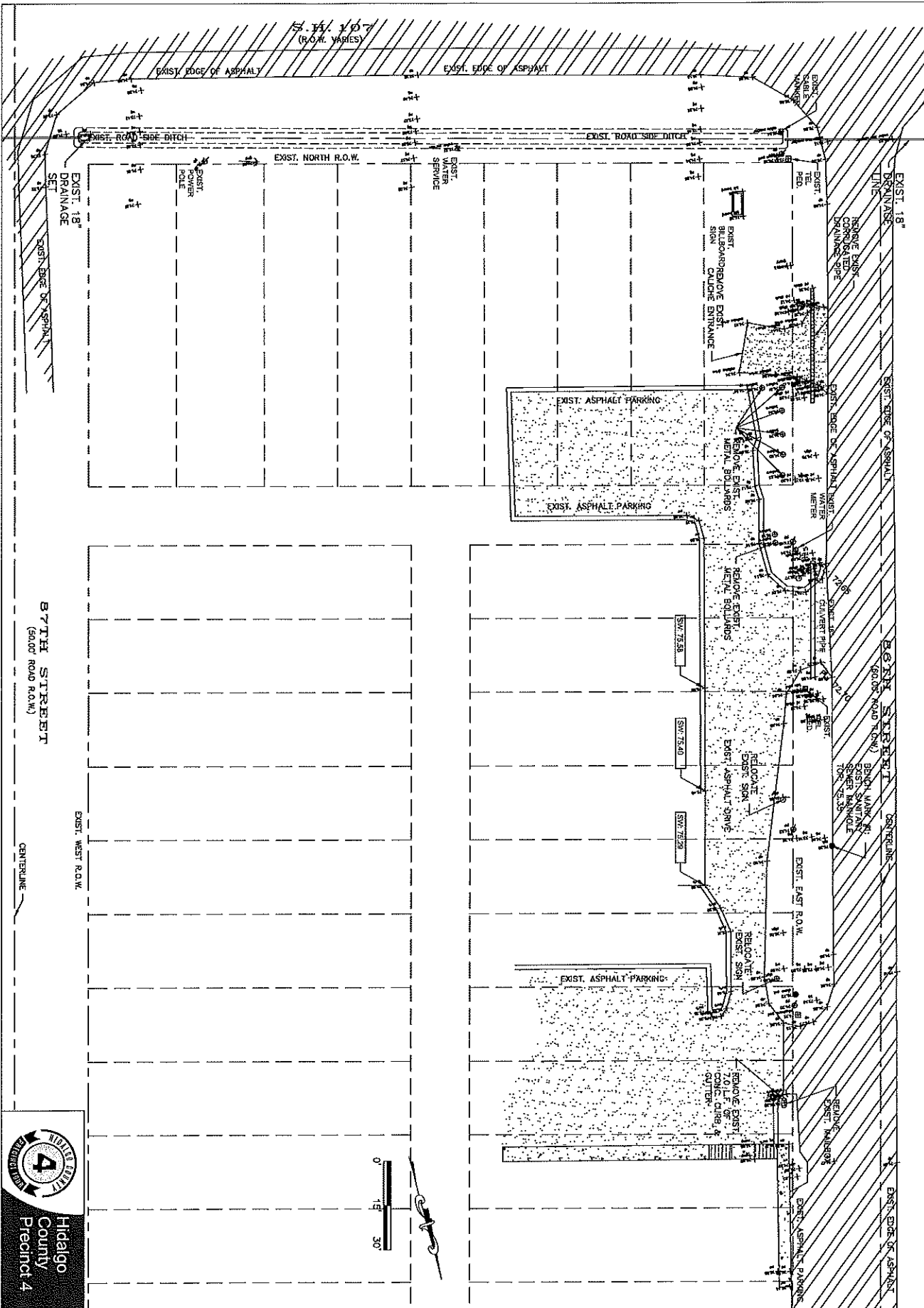
- 1 DEMOLITION/CLEARING AREAS
- 2 EXISTING ELEVATIONS
- 3 SIDEWALK IMPROVEMENTS
- 4 SIDEWALK DETAILS



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ENGINEERING & CONSTRUCTION MANAGEMENT  
2705 E. Davis Rd., Suite A  
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TBPE Firm Registration No. 12179





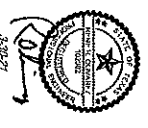
Hidalgo County Precinct 4

S H B B T  
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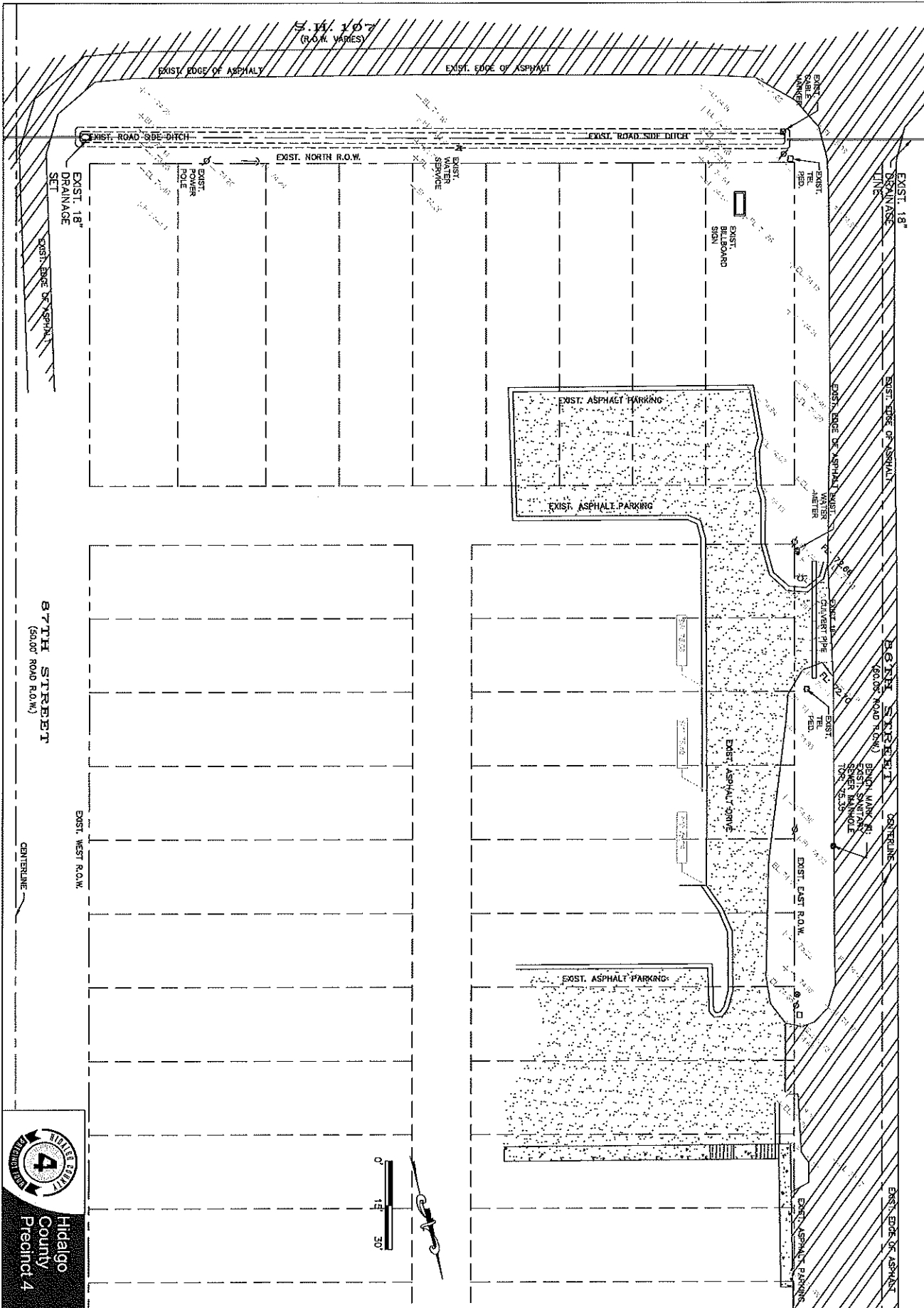
NO.	DATE	DESCRIPTION	PROJECT NAME

PRECINCT No. 4  
BUS SHELTER

PROJECT LOCATION  
HIDALGO COUNTY, TEXAS



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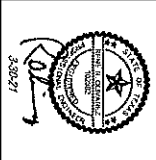


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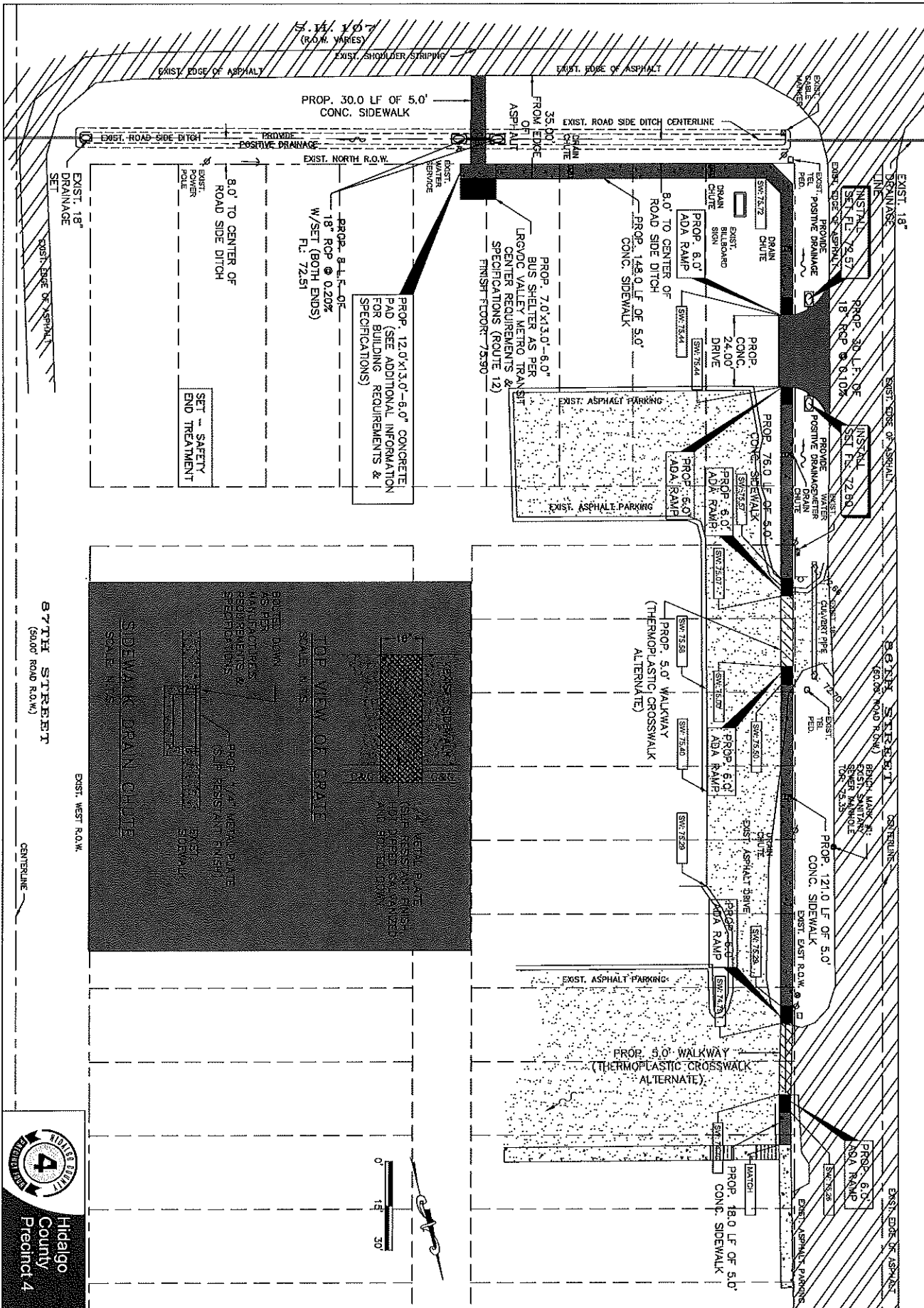
NO.	DATE	DESCRIPTION

PROJECT NAME  
**PRECINCT No. 4  
BUS SHELTER**

PROJECT LOCATION  
**HIDALGO COUNTY, TEXAS**



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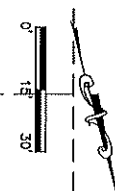
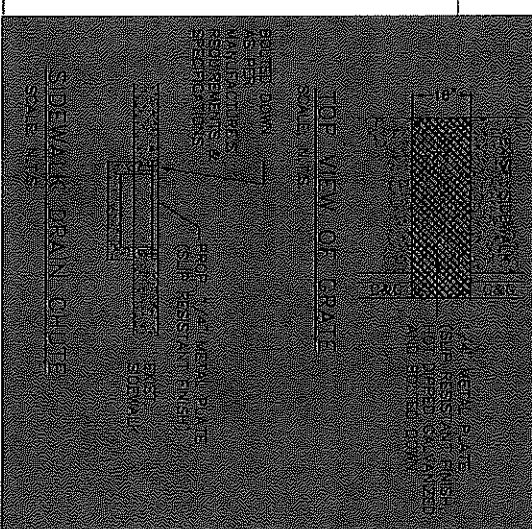


87TH STREET  
(60.0' ROAD R.O.W.)

87TH STREET  
(60.0' ROAD R.O.W.)

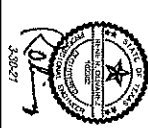
Hidalgo County  
Precinct 4

S H B B T  
SIDEWALK



NO.	DATE	DESCRIPTION	PROJECT NAME

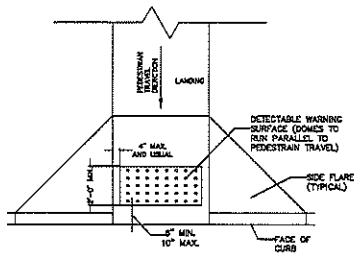
PRECINCT No. 4  
BUS SHELTER  
HIDALGO COUNTY, TEXAS



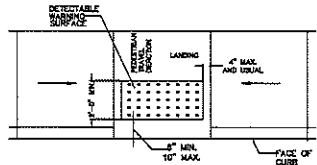
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**GENERAL NOTES FOR DETECTABLE WARNINGS**

1. CURB RAMPS MUST CONTAIN A DETECTABLE WARNING SURFACE THAT CONSISTS OF RAISED TRUNCATED DOWNS COMPLYING WITH SECTION 4.29 OF THE TEXAS ACCESSIBILITY STANDARDS (TAS). THE SURFACE MUST CONTRAST VISUALLY WITH ADJOINING SURFACES, INCLUDING SIDE FLARES, FURNISH DARK BROWN OR DARK RED DETECTABLE WARNING SURFACE ADJACENT TO UNCOLORED CONCRETE, UNLESS SPECIFIED ELSEWHERE IN THE PLANS.
2. DETECTABLE WARNING SURFACES MUST BE SLIP RESISTANT AND NOT ALLOW WATER TO ACCUMULATE.
3. ALIGN TRUNCATED DOWNS IN THE DIRECTION OF PEDESTRIAN TRAVEL WHEN ENTERING THE STREET.
4. SHADED AREAS ON SHEET 1 OF 4 INDICATE THE APPROXIMATE LOCATION FOR THE DETECTABLE WARNING SURFACE FOR EACH CURB RAMP TYPE.
5. DETECTABLE WARNING SURFACES SHALL BE A MINIMUM OF 24" IN DEPTH IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR LANDING WHERE THE PEDESTRIAN ACCESS ROUTE ENTERS THE STREET.
6. DETECTABLE WARNING SURFACES SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS A MINIMUM OF 8" AND A MAXIMUM OF 10" FROM THE EXTENSION OF THE FACE OF CURB. DETECTABLE WARNING SURFACES MAY BE CURVED ALONG THE CORNER RADIUS.
7. TxDOT MAINTAINS A LIST A QUALIFIED DETECTABLE WARNING MATERIALS. DETAILS ARE PROVIDED HEREON FOR THE PLACEMENT OF LANDSCAPE POWERS. FOR OTHER MATERIALS, REFER TO THE MANUFACTURER'S PRODUCT MANUAL FOR PROPER INSTALLATION.



TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN



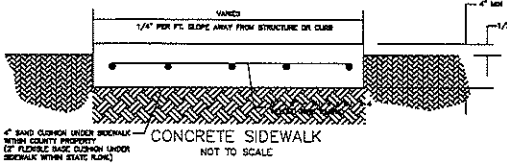
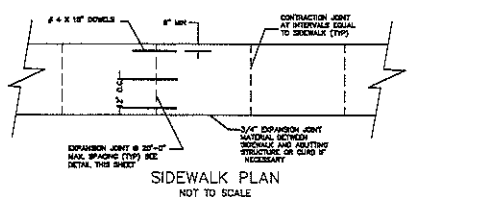
TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE

**TxDOT GENERAL NOTES FOR CONCRETE SIDEWALKS:**

1. ALL RAMPS SHALL HAVE A 5'X5' LANDING PAD.
2. RAMPS CENTER TO BE PERPENDICULAR TO FACE OF CURB. A PERPENDICULAR RAMP MAY BE LOCATED WITHIN THE RADIUS OF A CURB LINE PARALLEL TO TOP OF CURB AND OUTER UNLESS OTHERWISE SHOWN ON PLANS OR DIRECTED BY THE ENGINEER.
3. SIDEWALK GRADE TO BE PARALLEL TO TOP OF CURB AND MINIMUM WIDTH 5'. PROVIDE DROPPED CURBS AT INTERSECTIONS. ALL CONCRETE SHALL BE CLASS "A" PROPOSED SIDEWALKS TO MATCH EXISTING SIDEWALK.
4. NO VERTICAL CHANGES SHALL EXCEED 1/4" IN ELEVATION AT ADJOINING SURFACES.
5. TO PROVIDE ACCESS TO PEDESTRIAN BUTTON, SIDEWALK/LANDING PAD SHALL EXTEND AND/OR ABUT TO SIGNAL POLE CONCRETE FOUNDATION.
6. COLOR TEXTURIZED CONCRETE SHALL BE USED TO COLOR AREAS AT RAMPS. COLOR SHALL BE "BRICK RED" AS PER L.M. SCORFIELD COMPANY STANDARDS COLOR A-26 OR EQUAL. COLOR TEXTURIZED CONCRETE SHALL BE SUBSIDIARY TO CURB RAMP ITSL.

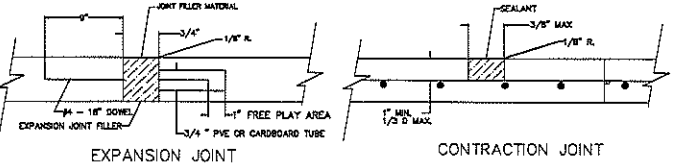
**SIDEWALK NOTES:**

1. MINIMUM 4' - 0" WIDE SIDEWALK.
2. SIDEWALK GRADIENT SHALL NOT EXCEED 1:20.
3. SIDEWALK CONCRETE SHALL BE 5 SACK CEMENT MIX AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 psi @ 28 days.
4. CONTRACTOR SHALL VERIFY EXISTENCE AND LOCATION OF EXISTING UTILITY LINES WITH APPROPRIATE COMPANIES TO AVOID PLACING SIDEWALKS ON TOP OF LINES.
5. PROVIDE DROP CURBS AT INTERSECTIONS.
6. CONTRACTOR SHALL COMPLY WITH LATEST REGULATIONS AS SET FORTH IN AMERICANS WITH DISABILITIES ACT (ADA).



**GENERAL NOTES FOR CONCRETE DRIVEWAY:**

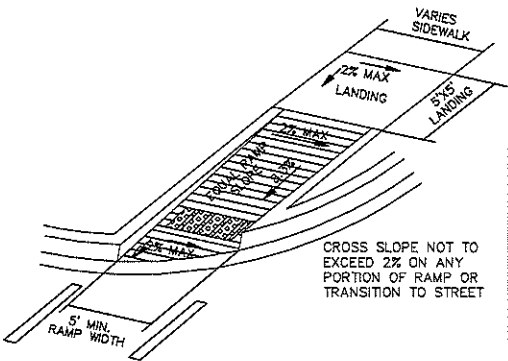
1. USE 1/2" EXPANSION JOINT WHERE SIDEWALK OR DRIVEWAY APRON ABUTS BUILDING, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
2. DRIVEWAY APRON WIDER THAN 18 FT (NOMINAL) SHALL HAVE A SAWED CONSTRUCTION JOINT AT MIDPOINT.
3. SUBGRADE UNDER DRIVEWAY APRON SHALL BE COMPACTED TO 95% MIN. DENSITY TO A DEPTH OF 8".
4. DRIVEWAY APRON SHALL HAVE A MINIMUM THICKNESS OF 8" AND BE PLACED USING 3000 P.S.I. CONCRETE WITH 6"X6" WELDED WIRE MESH, No. 3 BARS @ 12" O.C.E.W. OR No. 4 @ 12" O.C.E.W.
5. CONCRETE SHALL HAVE A BROOM FINISH, BRICK PAVERS, EXPOSED AGGREGATE, RIVER-BRICK FINISH, TILE ARE NOT PERMITTED WITHIN THE R.O.W.
6. MEMBRANE CURING COMPOUND SHALL BE APPLIED AT A MINIMUM OF 1 GALLON PER 100 SQUARE FEET OF AREA AFTER SURFACE FINISH HAS BEEN COMPLETED.



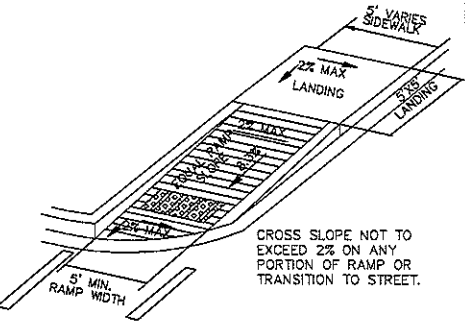
**EXPANSION /CONTRACTION JOINT NOTES:**

- 1) JOINT FILLER: TYPE C, ASTM D1752; PRE MOLDED SPONGE RUBBER, FULLY COMPRESSIBLE WITH RECOVERY RATE OF MINIMUM 95 %, OR APPROVED EQUAL.
- 2) SEALANT: ASTM D1190; HOT APPLIED, RUBBER; SYNTHETIC RUBBER; ASPHALT; POLYMER BASED ASPHALT; COAL TAR AND RUBBER COMPOUND, OR APPROVED EQUAL.
- 3) MIX CONCRETE IN ACCORDANCE WITH ACI 304. DELIVER CONCRETE IN ACCORDANCE WITH ASTM C94.

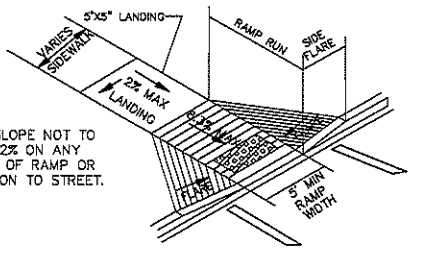
EXPANSION/CONTRACTION JOINT DETAIL NOT TO SCALE



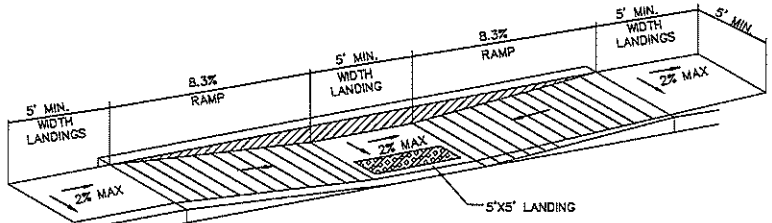
DIRECTIONAL RAMP WITHIN RADIUS (SIDEWALK SET BACK FROM CURB NOT TO SCALE



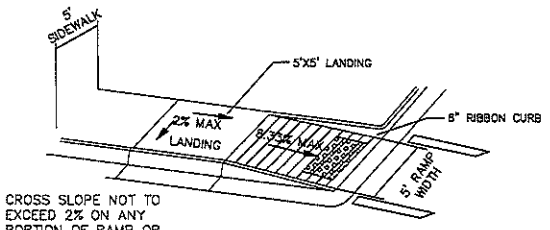
DIRECTIONAL RAMP WITHIN RADIUS (SIDEWALK ADJACENT TO CURB) NOT TO SCALE



PERPENDICULAR CURB RAMP NOT TO SCALE



PARALLEL CURB RAMP NOT TO SCALE



TYPICAL CORNER SIDEWALK RAMP NOT TO SCALE

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 Edinburg, Texas 78540  
 TxDOT Firm Registration No. 12179



3-30-21

PRECINCT NO. 4  
 BUS SHELTER  
 HIDALGO COUNTY, TEXAS

NO.	DATE	DESCRIPTION

PROJECT NO.: 2004  
 DRAWN BY: R.O.  
 CHECKED BY: R.O.  
 SHEET TITLE

S H B B T  
**DETAILS**