

Corpus Christi Regional Transportation Authority

IFB No. 2017-FC-04

ADA Bus Stop Improvements Phase VI

ZONE 3

CONSTRUCTION DRAWINGS

EXHIBIT C-2

Prepared By NEI/HANSON



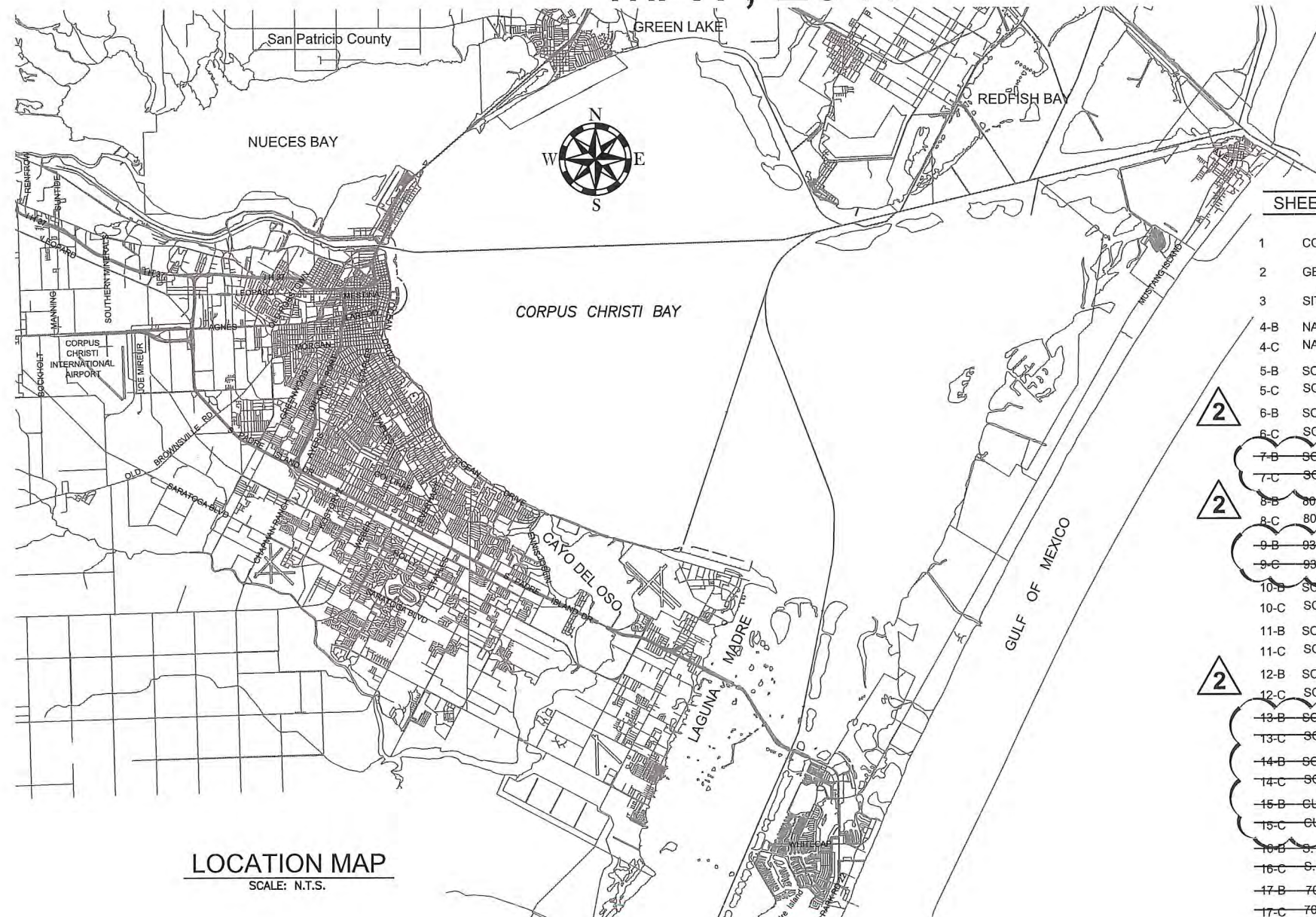
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

TXDOT ADA BUS STOP IMPROVEMENTS PHASE VI

MAY, 2017

LEGEND

	PROPOSED CONCRETE BUS PAD
	PROPOSED CONCRETE SHELTER PAD
	PROPOSED DETECTABLE WARNING
	PROPOSED HEADER CURB
	PROPOSED LIMITS OF DEMOLITION
	PROPOSED PAVEMENT REPAIR
	PROPOSED RAMP
	PROPOSED SIDEWALK
	REMOVE & REPLACE CURB AND GUTTER
	PROPOSED BACK OF CURB
	PROPOSED FINISH GRADE
	PROPOSED FLOWLINE ELEVATION
	PROPOSED TOP OF CONCRETE
	PROPOSED TOP OF PAVEMENT
	PROPOSED TOP OF SIDEWALK
	BENCH MARK LOCATION
	EXISTING BUS SIGN
	EXISTING FIRE HYDRANT
	EXISTING GRATE INLET
	EXISTING POWER POLE
	EXISTING SANITARY SEWER MANHOLE
	EXISTING STORM SEWER MANHOLE
	EXISTING TOPO ELEVATION
	EXISTING TRAFFIC SIGN
	EXISTING TRASH CAN
	EXISTING RTA BENCH
	RIGHT OF WAY
	EXISTING FENCE LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINE
	EXISTING SANITARY SEWER LINE
	EXISTING STORM SEWER LINE
	EXISTING UNDERGROUND ELECTRIC
	EXISTING WATER LINE



LOCATION MAP
SCALE: N.T.S.

SHEET INDEX

SHEET NO.	DESCRIPTION
1	COVER PAGE
2	GENERAL NOTES
3	SITE MAP
4-B	NAS DRIVE @ SCOTLAND-EXHIBIT B
4-C	NAS DRIVE @ SCOTLAND-EXHIBIT C
5-B	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT B
5-C	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT C
6-B	SOUTH PADRE ISLAND DRIVE @ MCIVER-EXHIBIT B
6-C	SOUTH PADRE ISLAND DRIVE @ MCIVER-EXHIBIT C
7-B	SOUTH PADRE ISLAND DRIVE @ ENNIS JOSLIN-EXHIBIT B
7-C	SOUTH PADRE ISLAND DRIVE @ ENNIS JOSLIN-EXHIBIT C
8-B	8033 SOUTH PADRE ISLAND DRIVE @ HARBOR LANDING APTS.-EXHIBIT B
8-C	8033 SOUTH PADRE ISLAND DRIVE @ HARBOR LANDING APTS.-EXHIBIT C
9-B	9301 SOUTH PADRE ISLAND DRIVE-EXHIBIT B
9-C	9301 SOUTH PADRE ISLAND DRIVE-EXHIBIT C
10-B	SOUTH PADRE ISLAND DRIVE @ PADRE MOTEL-EXHIBIT B
10-C	SOUTH PADRE ISLAND DRIVE @ PADRE MOTEL-EXHIBIT C
11-B	SOUTH PADRE ISLAND DRIVE @ FLOUR BLUFF DRIVE NS WALMART-EXHIBIT B
11-C	SOUTH PADRE ISLAND DRIVE @ FLOUR BLUFF DRIVE NS WALMART-EXHIBIT C
12-B	SOUTH PADRE ISLAND DRIVE @ BARTON-EXHIBIT B
12-C	SOUTH PADRE ISLAND DRIVE @ BARTON-EXHIBIT C
13-B	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT B
13-C	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT C
14-B	SOUTH PADRE ISLAND DRIVE @ SUNBURST-EXHIBIT B
14-C	SOUTH PADRE ISLAND DRIVE @ SUNBURST-EXHIBIT C
15-B	CUT-OFF ROAD @ AVE. A CITY HALL-EXHIBIT B
15-C	CUT-OFF ROAD @ AVE. A CITY HALL-EXHIBIT C
16-B	S. STAPLES ST. @ TIMBERGATE AT CHURCH-EXHIBIT B SHEET OMITTED
16-C	S. STAPLES ST. @ TIMBERGATE AT CHURCH-EXHIBIT C SHEET OMITTED
17-B	7017 S. STAPLES ST. @ KID'S CLINIC-EXHIBIT B SHEET OMITTED
17-C	7017 S. STAPLES ST. @ KID'S CLINIC-EXHIBIT C SHEET OMITTED
18	MISCELLANEOUS DETAILS - 1
19	MISCELLANEOUS DETAILS - 2
20	TRAFFIC CONTROL PLAN (2-2)-12
21	TRAFFIC CONTROL PLAN (2-4)-12



Gabriel J. Ortiz
05-31-2017

TxFIRM #417



Naismith Engineering, Inc
ENGINEERING ■ ENVIRONMENTAL ■ SURVEYING
TBPE No. F-355

GENERAL NOTES:

1. COORDINATION

- A. AGENCIES, DEPARTMENTS, AND FIRMS WHO MAY NEED TO BE CONTACTED THROUGHOUT THE DURATION OF THIS PROJECT
- REGIONAL TRANSPORTATION AUTHORITY
CITY OF CORPUS CHRISTI
CITY OF CORPUS CHRISTI TRAFFIC ENGINEERING
CITY OF CORPUS CHRISTI MUNICIPAL INFORMATION SYSTEMS
TEXAS DEPARTMENT OF TRANSPORTATION
NAISMITH ENGINEERING, INC.
TEXAS 811
SOUTHWESTERN BELL LOCATE
LONE STAR NOTIFICATION
TEXAS ONE CALL

361-289-2712
361-826-3500
361-826-3500
361-826-3766
361-808-2384
361-814-9900
800-344-8377
800-828-5127
800-669-8344
800-245-4545
- B. LOCATION AND ADJUSTMENT OF CONFLICTING UTILITIES SHALL BE COORDINATED WITH LOCAL UTILITY AFFECTED. SOME PLANS SHOW INFORMATION OBTAINED FROM SURFACE SURVEY WHICH IS INTENDED AS AN AID FOR THE CONTRACTOR IN DETERMINING APPROXIMATE LOCATION OF CERTAIN LINES. UNDERGROUND UTILITIES DO NOT APPEAR ON THE PLANS BUT MAY EXIST IN THE AREAS OF PROPOSED IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL WORK WITH AGENCIES IN MAKING ALL ADJUSTMENTS REQUIRED BY THE PROJECT. ADJUSTMENTS SHALL BE PERFORMED BY CONTRACTOR OR AFFECTED UTILITY COMPANY WITH NO SEPARATE PAYMENT FOR THIS WORK.
- C. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY COMPANY IF THERE ARE ANY CONFLICTS WITH ANY UTILITIES.
- D. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPLICABLE CONSTRUCTION PERMITS AND FOR PAYING ANY ASSOCIATED FEES.
- E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY ALL APPROPRIATE UTILITY COMPANIES, CITY TRAFFIC ENGINEERING, & CITY MIS DEPARTMENT 48 HOURS PRIOR TO ACTUAL CONSTRUCTION FOR THE EXACT LOCATION OF EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS OF PROPOSED CONSTRUCTION IN FRONT OF THE RESPECTIVE PROPERTIES AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.
- F. OSHA REGULATIONS PROHIBIT OPERATIONS THAT WILL BRING PERSONS OR EQUIPMENT WITHIN 10 FEET OF AN ENERGIZED ELECTRICAL LINE. WHERE WORKMEN AND/OR EQUIPMENT HAVE TO WORK CLOSE TO AN ENERGIZED ELECTRICAL LINE, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE ENGINEER WILL COORDINATE WITH THE ELECTRICAL POWER COMPANY TO MAKE WHATEVER ADJUSTMENTS ARE NECESSARY TO ENSURE THE SAFETY OF WORKMEN WORKING NEAR THE ENERGIZED LINE. ERECTION AND/OR REMOVAL OF POLES LOCATED NEAR ANY OVERHEAD ELECTRICAL LINES SHALL BE ACCOMPLISHED USING ESTABLISHED INDUSTRY AND UTILITY SAFETY PRACTICES. THE CONTRACTOR SHALL CONSULT WITH THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING SUCH WORK.

2. TRAFFIC CONTROL

- A. THE CONTRACTOR IS RESPONSIBLE FOR UTILIZING A TRAFFIC CONTROL PLAN THAT HAS BEEN APPROVED BY THE CITY OR STATE PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES. ALL PERMITS AND FEES ASSOCIATED WITH TRAFFIC CONTROL PLAN MUST BE ACQUIRED OR PAID PRIOR TO COMMENCING WORK. ALL FEES ARE SUBSIDIARY TO THE COST OF CONSTRUCTION. CONTRACTOR SHALL PROVIDE 48 HOUR ADVANCE NOTICE, PRIOR TO COMMENCING ANY LANE CLOSURES, TO THE CITY OR STATE TO ALLOW FOR PUBLIC NOTIFICATION OF ANTICIPATED CLOSURES.
- B. VEHICULAR TRAFFIC TO ADJACENT PROPERTY, HIGHWAYS, PUBLIC ROADS AND STREET CROSSING MUST BE ACCOMMODATED AT ALL SITES DURING CONSTRUCTION. THE CONTRACTORS PLAN FOR ACCOMMODATING TRAFFIC MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO DISTURBING OR DEMOLISHING ANY ROADWAY OR PEDESTRIAN SURFACES WITHIN THE LIMITS OF CONSTRUCTION.
- C. ALL WORK IS TO BE COMPLETED BY THE CONTRACTOR DURING DAYLIGHT HOURS. THE CONTRACTOR IS TO PLACE BARRICADES AND BARRELS ADJACENT TO THE WORK SITE. AT THE END OF THE DAY THE CONTRACTOR SHALL OPEN TRAFFIC IF BOTH DIRECTIONS AT ALL INTERSECTIONS. DURING CONSTRUCTION, TRAFFIC CONTROL PLAN TCP (2-2)-12 OR (2-4)-12 FOR DAYTIME OPERATION SHALL BE USED. THE ROADWAY SHALL BE REOPENED TO TRAFFIC AT THE END OF EACH WORKDAY.
- D. BARRICADE AND TRAFFIC CONTROL SHALL COMPLY WITH THE CITY OF CORPUS CHRISTI TRAFFIC ENGINEERING DIVISION "UNIFORM BARRICADING STANDARDS AND PRACTICES", AND THE TEXAS DEPARTMENT OF TRANSPORTATION. BARRICADED WORK AREAS SHALL BE LIMITED TO ONE SIDE OF THE BLOCK, EXTENDING FROM CORNER TO CORNER IN ONE DIRECTION, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER. THE CONTRACTOR MAY BE REQUIRED TO FURNISH ADDITIONAL BARRICADES AND SIGN TO MAINTAIN TRAFFIC AND MOTORIST SAFETY. ANY SUCH ADDITIONAL SIGNS AND BARRICADES SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT. CONTRACTOR SHALL NOT DETOUR TRAFFIC INTO OPPOSING TRAVEL LANES. CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALK.
- E. THE CONTRACTOR SHALL SUPPLEMENT THE FLAGGER'S LOCATION SHOWN ON THE TRAFFIC CONTROL PLAN SHEETS WITH A TRAILER MOUNTED FLASHING ARROW PANEL.
- F. TRAFFIC CONTROL FOR LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPROPRIATE TRAFFIC CONTROL PLAN STANDARD SHEETS.
- G. CONTRACTOR MUST MAINTAIN A 10' LANE AT ALL TIMES.

3. DEMOLITION

- A. ALL CONCRETE AND ASPHALT SHALL BE SAW-CUT TO FULL DEPTH.
- B. PAVEMENT REPAIR SHALL BE A MAXIMUM OF 2' WIDE THE PAVEMENT SHALL BE SAW CUT. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EDGE OF THE SAW CUT PAVEMENT DURING THE CONSTRUCTION PROCESS. IF THE EDGE IS DAMAGED BY THE CONSTRUCTION ACTIVITY OR TRAFFIC, THEN THE CONTRACTOR IS RESPONSIBLE FOR CUTTING A NEW CLEAN EDGE, EXTRA PAVEMENT REPAIR RESULTING FROM A DAMAGED EDGE WILL BE DONE AT THE CONTRACTORS OWN EXPENSE.
- C. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY REPRESENT THE EXACT LOCATION OF SUCH FACILITIES, NOR IS IT IMPLIED THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLANS. NAISMITH ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE EXISTENCE OR LOCATION OF ANY SUBSURFACE UTILITIES OR STRUCTURES. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE APPROPRIATE UTILITY OWNERS AND LOCATING ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WITH ANY CONSTRUCTION OPERATIONS.
- D. CONTRACTOR SHALL NOT EXCEED THE LIMITS OF DEMOLITION INDICATED ON THE PLANS. EXCESS DEMOLITION WHICH IS DONE BY THE CONTRACTOR WITHOUT THE ENGINEER'S APPROVAL WILL NOT BE PAID FOR. EXTRA CONSTRUCTION RESULTING FROM EXCESS DEMOLITION WILL NOT BE PAID FOR. THE QUANTITIES INDICATED ON THE PLANS WILL BE UTILIZED FOR PAYMENT OF DEMOLITION.

4. CONSTRUCTION

- A. THE CONTRACTOR SHALL VISIT THE PROJECT SITES TO EXAMINE LOCAL CONDITIONS AND PERFORM ACTIONS NECESSARY TO ASSURE THAT THEY UNDERSTAND THE PROJECT THOROUGHLY AND ARE FULLY AWARE OF ALL CONDITIONS AND CONSTRAINTS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF RIGHT-OF-WAY LINES WITH A REGISTERED PROFESSIONAL LAND SURVEYOR AND ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT-OF-WAY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT MANAGER IF PROPOSED IMPROVEMENTS ARE DETERMINED TO BE OUTSIDE OF THE RIGHT-OF-WAY.
- B. THE CONTRACTOR IS RESPONSIBLE FOR STAKING OUT AND CONSTRUCTING THE WORK IN ACCORDANCE WITH REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. CONTRACTOR MAY NOT MAKE ADJUSTMENTS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- C. CONSTRUCTION OF NEW CURB AND GUTTER SHALL MATCH EXISTING ELEVATIONS AT EACH END OF CURB AND GUTTER, AND SHALL BE SLOPED UNIFORMLY TO PREVENT PONDING. CONSTRUCTION OF NEW CONCRETE SHELTER PAD SHALL MATCH EXISTING/PROPOSED TOP OF STREET CURB AND GUTTER ELEVATION AND SHALL BE SLOPED 1.5% MAXIMUM TOWARDS CURB AND GUTTER, UNLESS OTHERWISE NOTED. CONSTRUCTION OF NEW CONCRETE SIDEWALK SHALL MATCH EXISTING/PROPOSED TOP OF STREET CURB AND GUTTER ELEVATION WHEN ABUTTING CURB AND GUTTER. CONSTRUCTION OF NEW CONCRETE SIDEWALK SHALL NOT EXCEED 2% CROSS SLOPE, AND 5% RUNNING SLOPE. PURPOSE OF NEW CONCRETE TRANSITIONS IS TO CONNECT PROPOSED ACCESSIBLE ROUTE IMPROVEMENT ELEVATIONS TO THE EXISTING WALKING SURFACES ELEVATIONS. CONCRETE TRANSITIONS SHALL BE CONSIDERED PROJECT IMPROVEMENTS AND SHALL NOT BE CONSIDERED A COMPONENT OF THE ACCESSIBLE ROUTE.
- D. TOP OF RAMP CURBS (EDGE PROTECTION) ARE INTENDED TO RETAIN NATURAL GROUND AND SHALL MATCH EXIST NATURAL GROUND ELEVATION.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENT OF UTILITY BOXES, MANHOLES ETC., TO MATCH PROPOSED GRADES, AND ADJUSTMENT OF STANDARD SIGNAGE OBSTRUCTING ACCESSIBLE ROUTES. ADJUSTMENT OF UTILITIES, IF NEEDED, WILL BE THE CONTRACTORS RESPONSIBILITY, WITH COORDINATION PROVIDED BY THE ENGINEER. CONTRACTOR MAY NOT MAKE ADJUSTMENTS WITHOUT PRIOR APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL COORDINATE GAS VALVE ADJUSTMENTS WITH THE CITY GAS DEPARTMENT (885-8900)
- F. THE CONTRACTOR SHALL PLACE CLASS "A"(WATER & GAS) CONCRETE COLLARS AROUND ADJUSTED VALVES (6" MIN. WIDTH) & MANHOLES (12" MIN. WIDTH) AND A MINIMUM 12" DEPTH, ALL AS DIRECTED BY THE ENGINEER.
- G. EXCESS EXCAVATION AND DEMOLISHED MATERIALS WILL BECOME THE PROPERTY OF THE CONTRACTOR AND IS TO BE DISPOSED OF PROPERLY. ANY FILL MATERIAL REQUIRED FOR SUCCESSFUL COMPLETION OF THE PROJECT WILL BE SIMILAR TO THE NATIVE SOILS IN THE AREA IN CLASSIFICATION, GRADATION AND COMPACTION. EXCAVATION AND FILL REQUIRED TO COMPLY WITH SLOPE REQUIREMENTS IS CONSIDERED SUBSIDIARY TO THE PROJECT. CONTRACTOR SHALL REPLACE DISTURBED SOD WITH SAME SPECIES. SITE SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER.
- H. CLEANING OF ASPHALT EQUIPMENT WILL NOT BE ALLOWED AT THE PROJECT SITE OR IN PUBLIC RIGHT OF WAY. ANY PETROLEUM PRODUCTS SPILLED SHALL BE CLEANED UP AND DISPOSED OF PROPERLY. NO CONSTRUCTION WASTE MATERIALS WILL BE ALLOWED TO BE BURIED ON THE PROPERTY.
- I. IF ANY HAZARDOUS MATERIALS AND/OR CONTAMINATED SOILS ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY FOR ASSISTANCE IN IDENTIFYING AND TESTING OF MATERIALS AND SOILS.

- J. FIELD CONDITIONS SOMETIMES DICTATE THAT THE LAYOUT BE ADJUSTED. CONTRACTOR MAY NOT MAKE ADJUSTMENTS WITHOUT PRIOR APPROVAL OF THE ENGINEER.
- K. 6" CURB NOT INCLUDED IN RAMP SECTION SHALL BE QUANTIFIED AS 6" HEADER CURB SEPARATELY.
- L. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PROTECT ALL EXISTING UTILITIES, PIPES, UNDERGROUND STRUCTURES, TRAFFIC SIGNAL BOXES, ELECTRICAL CONDUIT AND CABLES, BUILDINGS, DRIVEWAYS, FENCES AND ALL OTHER PROPERTIES. ALL DAMAGED PROPERTY SHALL BE RESTORED BY THE CONTRACTOR TO ITS ORIGINAL CONDITION, ACCORDING TO CITY OF CORPUS CHRISTI STANDARDS, OR BETTER AT NO SEPARATE PAY.
- M. ALL EXISTING PAVEMENT WHICH ARE CUT OR DAMAGED BY THE CONTRACTOR IN THE PROCESS OF HIS WORK WILL BE REPLACED AS QUICKLY AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.
- N. HMAC PAVEMENT REPAIR SHALL BE COMPACTED AS DIRECTED BY THE INSPECTOR/ENGINEER.
- O. FINAL GRADES SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE WITH NO PONDING OF WATER. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND NOT BLOCK OR IMPEDED DRAINAGE.
- P. THE CONTRACTOR SHALL HAVE IN PLACE THE NECESSARY STORM WATER SEDIMENT TRAPS AT CURB INLETS AND OPEN DITCH LINE AREA WHILE PERFORMING WORK AND UNTIL WORK IS COMPLETE IN THAT AREA AND VEGETATION IS ESTABLISHED.
- Q. THE CONTRACTOR WILL BE ALLOWED 14 CALENDAR DAYS TO COMPLETE CONSTRUCTION OF DEMOLISHED AREA. IF CONTRACTOR EXCEEDS 14 CALENDAR DAYS AT ANY SITE, NO NEW DEMOLITION WILL BE ALLOWED. ONCE THE CONTRACTOR HAS COMPLETED PREVIOUSLY DEMOLISHED AREAS, HE MAY RESUME NEW DEMOLITION.

5. COMPLIANCE WITH ADA AND TAS FOR ACCESSIBLE ROUTES

- A. EVERY EFFORT HAS BEEN MADE BY THE ENGINEER TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND TEXAS ACCESSIBILITY STANDARDS. DURING CONSTRUCTION, THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE STANDARDS INCLUDED IN THESE DOCUMENTS. CONFLICTS WITH THE PLANS AND/OR SPECIFICATIONS FOUND BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
- B. THE MINIMUM STANDARDS OUTLINED BELOW SHALL BE ADHERED TO AT ALL TIMES.
- I. ALL SIDEWALKS SHALL BE A MINIMUM OF 4" THICK. SEE DETAIL SHEETS.
- II. THE FOLLOWING GENERAL TEXAS DEPARTMENT OF LICENSING AND REGULATION (TDLR) CRITERIA APPLY TO MANEUVERING SURFACES AT DOORS, ENTRIES, PORCHES, RAMP LANDINGS, PARKING AREAS, WALKWAYS AND PAVEMENT WHICH ARE PART OF A REQUIRED ACCESSIBLE ROUTE FOR ENTRY/EXIT.
- a. THE REQUIRED CLEAR FLOOR SPACE AREA AT ACCESSIBLE ENTRY/EXIST DOORS SHALL NOT HAVE A SLOPE THAT EXCEEDS 1:50 (2%) IN ANY DIRECTION.

b. CROSS SLOPE FOR ACCESSIBLE WALKWAYS SHALL NOT EXCEED 1:50 (2%).

c. RUNNING SLOPE FOR ACCESSIBLE WALKWAYS SHALL NOT EXCEED 1:20 (5%).

d. PAVEMENT SURFACES THAT ARE PART OF A REQUIRED ACCESSIBLE ROUTE SHALL NOT EXCEED 1:50 (2%) CROSS SLOPE AND 1:20 (5%) RUNNING SLOPE.

e. CHANGES IN GRADE IN ACCESSIBLE ROUTES GREATER THAN 1:20 (5%) REQUIRE A RAMP.

f. ABRUPT CHANGES IN LEVEL IN EXCESS OF 1/4" ARE NOT PERMITTED.

g. LEVEL LANDINGS SHALL BE SLOPED 2% MAX TOWARDS STREET CURB & GUTTER. NATURAL GROUND ADJACENT TO PROJECT IMPROVEMENTS SHALL BE GRADED TO DRAIN INTO STREET CURB & GUTTER AND AWAY FROM PRIVATE PROPERTY.
- III. ACCESSIBLE ROUTE ELEVATIONS INDICATED ON THE GRADING PLAN ARE SCHEMATIC, AND ARE INTENDED TO COMPLY IN ALL RESPECTS WITH TDLR REQUIREMENTS. THE CONTRACTOR IS TO ADJUST GRADES AS NECESSARY TO FIT PARTICULAR CONDITIONS. NOTIFY ENGINEER AND REQUEST INSTRUCTION IF NON-COMPLIANT SITUATIONS ARE ENCOUNTERED OR ANTICIPATED.
- IV. CONCRETE SURFACE ALONG THE ACCESSIBLE PATHWAY SHALL RECEIVE A LIGHT BROOM FINISH UNLESS NOTED OTHERWISE.
- V. THE DETECTABLE WARNING PANELS MUST COMPLY WITH TEXAS ACCESSIBILITY STANDARDS 705 AND ADMINISTRATIVE RULES OF THE TDLR, 16 TAC CHAPTER 68, SECTION 68.102 AT A MINIMUM OF 24 INCHES IN DEPTH (IN THE DIRECTION OF PEDESTRIAN TRAVEL) AND EXTEND THE FULL WIDTH OF THE CURB. DETECTABLE WARNING PANELS MUST BE A TXDOT APPROVED PANEL MATERIAL. BRICK PAVERS OR METAL PANELS WILL NOT BE ALLOWED. THE PANELS SHALL BE RED IN COLOR. DETECTABLE WARNING PANEL MUST FOLLOW THE CURB LINE ON CURB RADII AND MAY BE NO MORE THAN 6 TO 10 INCHES FROM THE PROJECTED FACE OF CURB. CURVED PANELS OR CUT PANELS WILL BE REQUIRED.

QUANTITIES BASE BID		
CONCRETE SHELTER PAD	1732	SF
RAMPS SECTION	0	SF
LANDING SECTION	0	SF
SIDEWALK SECTION	289	SF
CURB AND GUTTER	0	LF
12" HEADER CURB	0	LF
6" HEADER CURB	51	LF
DEMOLITION OF FOUNDATION	3	LF
DEMOLITION OF 6" HEADER CURB	0	LF

QUANTITIES BASE BID		
PAVEMENT REPAIR	0	SF
DEMOLITION OF EXISTING CURB & GUTTER	0	LF
DEMOLITION OF EXISTING SIDEWALK	1000	SF
DEMOLITION OF EXISTING SHELTER PAD	0	SF
SAW CUT CONCRETE PAVEMENT	58	LF
SAW CUT ASPHALT PAVEMENT	51	LF
RELOCATE EXISTING BUS STOP SIGN	2	EA
TYPE "C" CROSS WALK (12" WIDE)	0	LF
TYPE "C" CROSS WALK (24" WIDE)	0	LF

ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
GENERAL NOTES
REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS

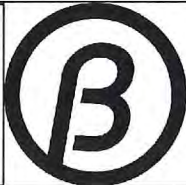
REV.	REVISIONS	APPR.	DATE
1	OMITTED SHEETS	-	05/16
2	DELETED SHEETS	-	05/17



OFFICE LOCATION :

4501 Golihar Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By :	NV & TE
Checked By :	TE
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	05-25-2017
Revision :	2



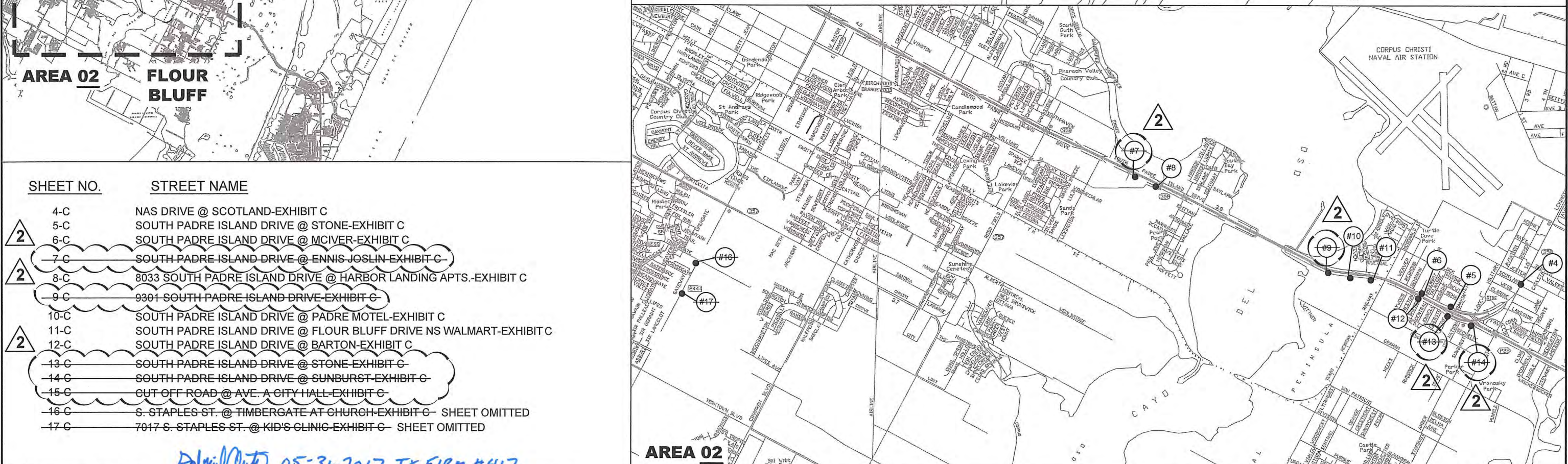
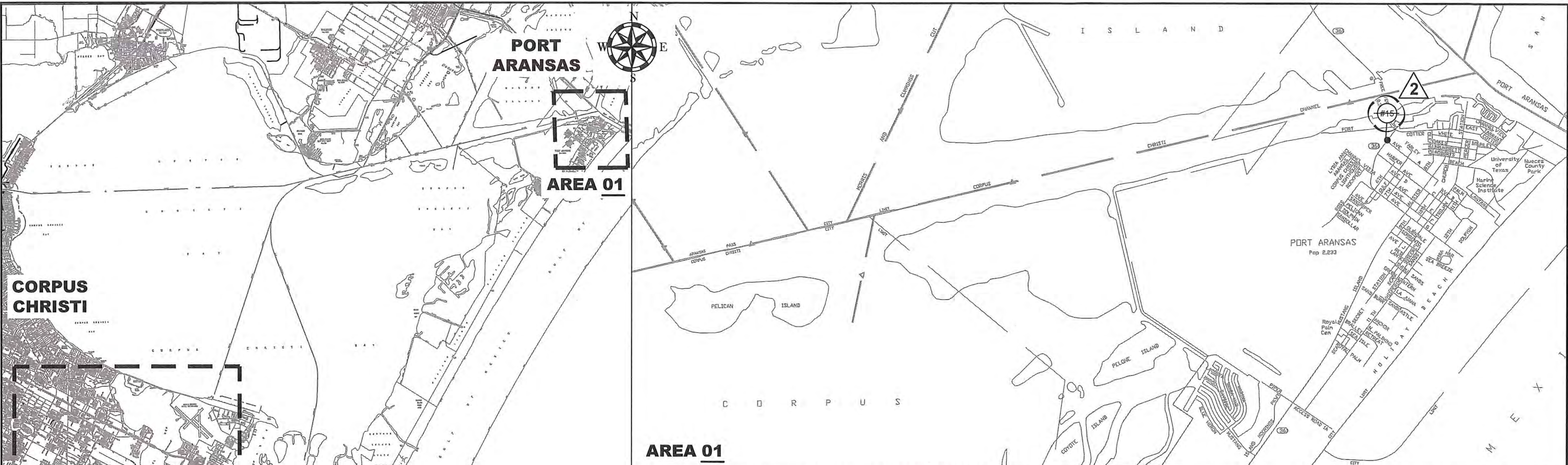
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

2

Dwg- 9567-EXHIBIT 1
No.

2

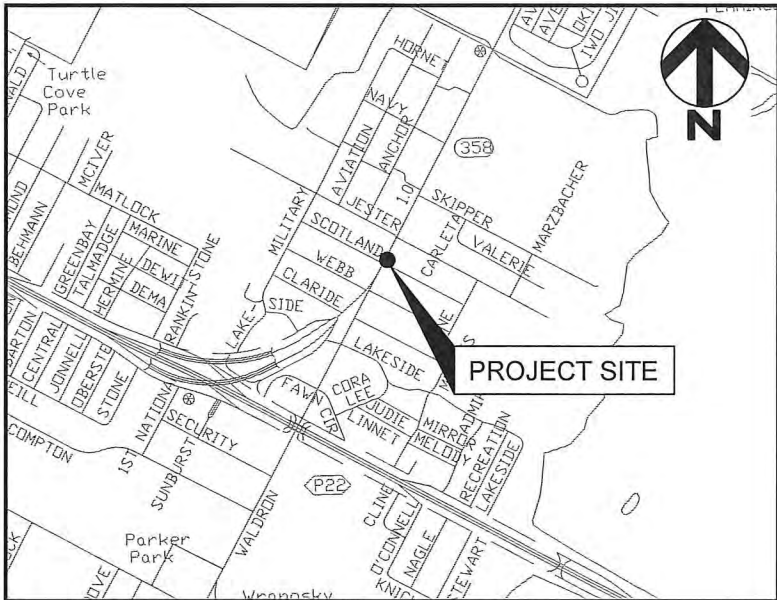
Sheet 2 Of 21



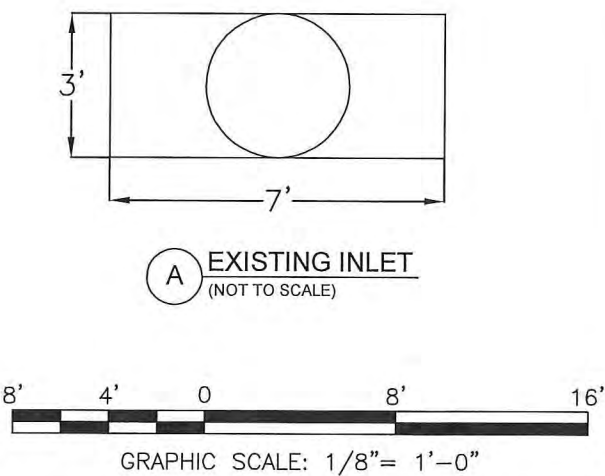
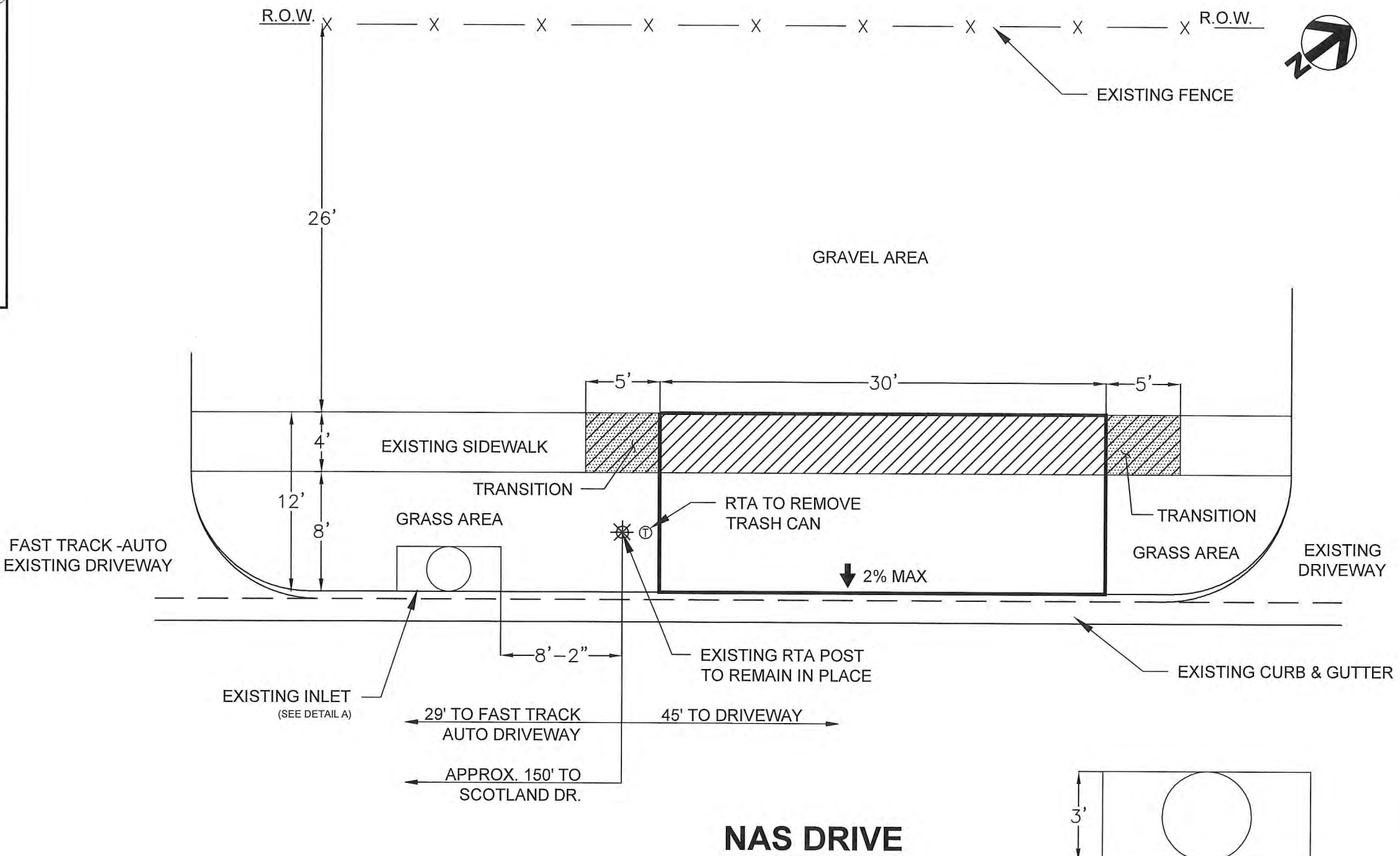
SHEET NO.	STREET NAME
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5-C	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT C
6-C	SOUTH PADRE ISLAND DRIVE @ MCIVER-EXHIBIT C
7-C	SOUTH PADRE ISLAND DRIVE @ ENNIS JOSLIN-EXHIBIT C
8-C	8033 SOUTH PADRE ISLAND DRIVE @ HARBOR LANDING APTS.-EXHIBIT C
9-C	9301 SOUTH PADRE ISLAND DRIVE-EXHIBIT C
10-C	SOUTH PADRE ISLAND DRIVE @ PADRE MOTEL-EXHIBIT C
11-C	SOUTH PADRE ISLAND DRIVE @ FLOUR BLUFF DRIVE NS WALMART-EXHIBIT C
12-C	SOUTH PADRE ISLAND DRIVE @ BARTON-EXHIBIT C
13-C	SOUTH PADRE ISLAND DRIVE @ STONE-EXHIBIT C
14-C	SOUTH PADRE ISLAND DRIVE @ SUNBURST-EXHIBIT C
15-C	CUT OFF ROAD @ AVE. A CITY HALL-EXHIBIT C
16-C	S. STAPLES ST. @ TIMBERGATE AT CHURCH-EXHIBIT C- SHEET OMITTED
17-C	7017 S. STAPLES ST. @ KID'S CLINIC-EXHIBIT C- SHEET OMITTED

Advised City 05-31-2017 TX FIRM #417

<table><tr><th>REV.</th><th>REVISIONS</th><th>APPR.</th><th>DATE</th></tr><tr><td>1</td><td>OMITTED SHEETS</td><td>-</td><td>05/16</td></tr><tr><td>2</td><td>DELETED SHEETS</td><td>-</td><td>05/17</td></tr></table>	REV.	REVISIONS	APPR.	DATE	1	OMITTED SHEETS	-	05/16	2	DELETED SHEETS	-	05/17		OFFICE LOCATION : 4501 Goliath Rd. Corpus Christi, Texas 78411 P.O. Box 3099 Corpus Christi, Texas 78463 (361)-814-9900	Drawn By : NV & TE Checked By : TE Approved By : GO Project No. : 9567 Scale : AS SHOWN Date : 05-25-2017 Revision : 2	 CORPUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY	ADA BUS STOP IMPROVEMENTS PHASE VI OCTOBER 2015 SITE MAP REGIONAL TRANSPORTATION AUTHORITY CORPUS CHRISTI, TEXAS	Dwg 9567-EXHIBIT 1 3 Sheet 3 of 21
REV.	REVISIONS	APPR.	DATE															
1	OMITTED SHEETS	-	05/16															
2	DELETED SHEETS	-	05/17															



CONCRETE SHELTER PAD	360	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



Delivered 12-03-2015

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OFFICE LOCATION :
4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By :	NV
Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-

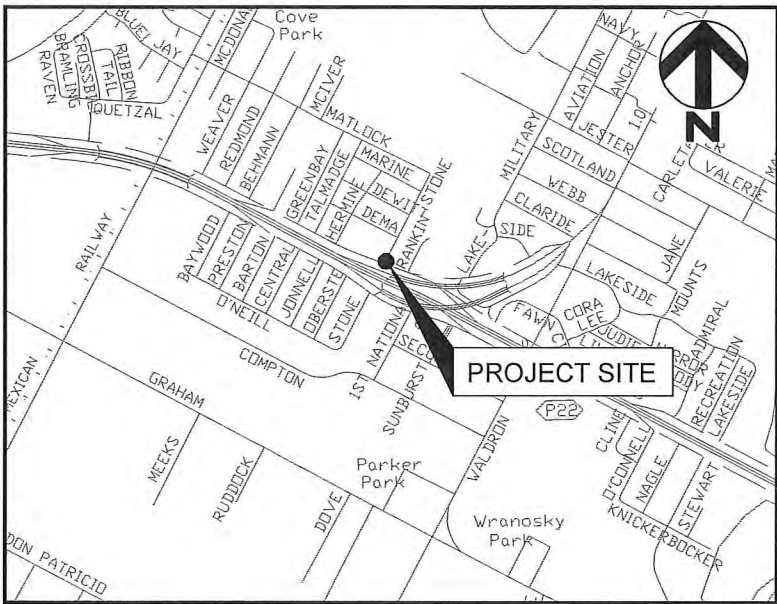


CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

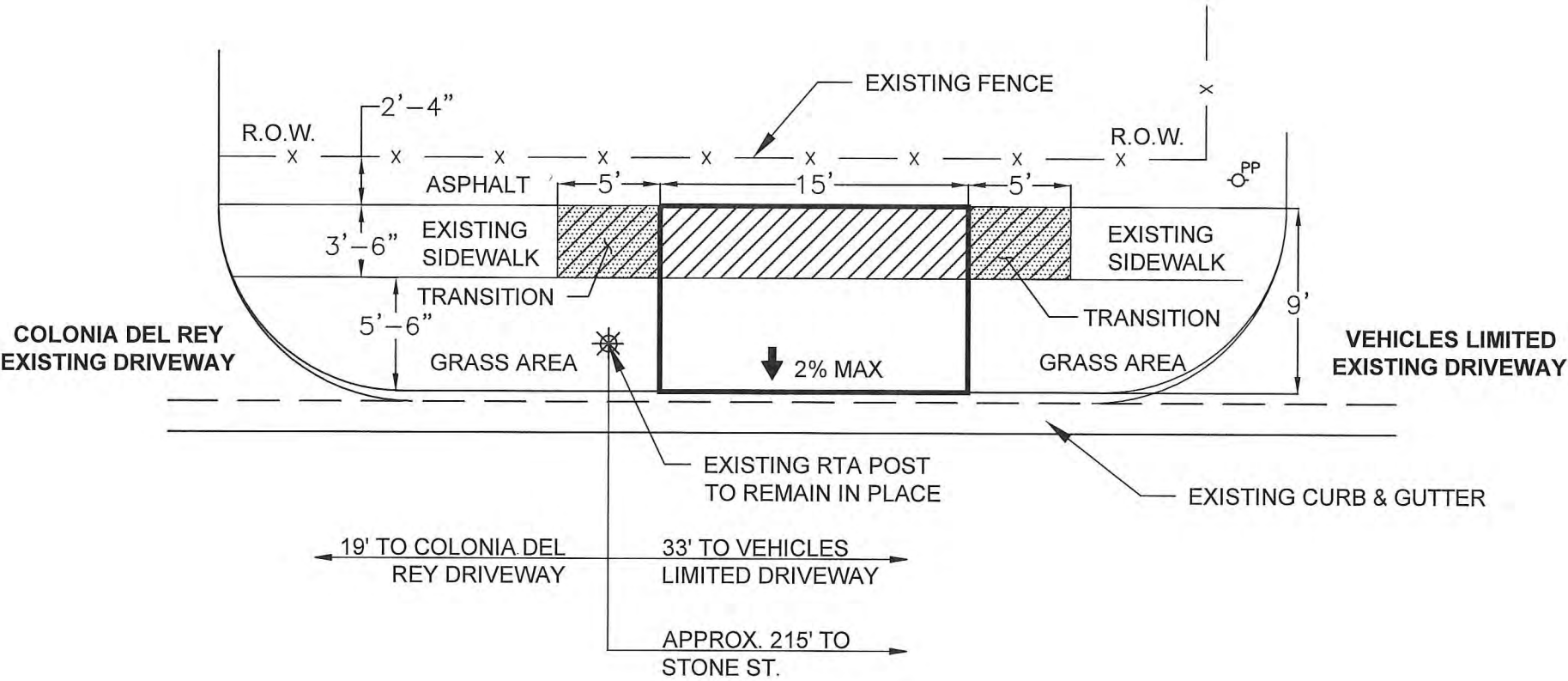


**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015**
STOP ID (606)
NAS DRIVE @ SCOTLAND-EXHIBIT C
CORPUS CHRISTI, TEXAS

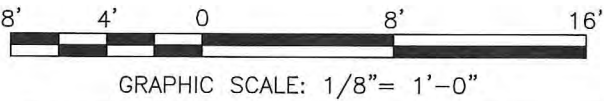
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4-C
Sheet 4-C Of 21



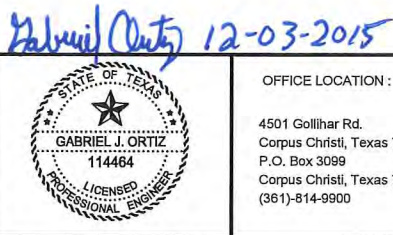
CONCRETE SHELTER PAD	135	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	35	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	86	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	25	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	EA



SOUTH PADRE ISLAND DRIVE



REV.	REVISIONS	APPR.	DATE



OFFICE LOCATION:
4501 Gollihar Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
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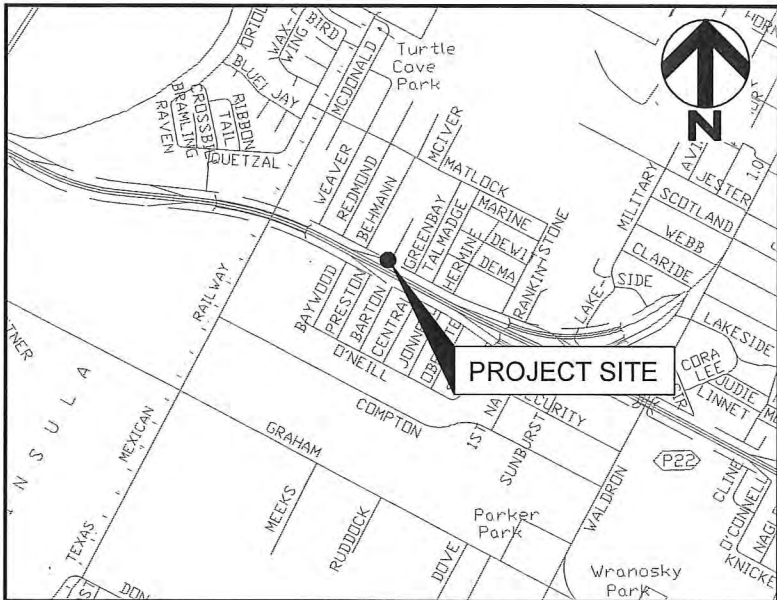
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Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-



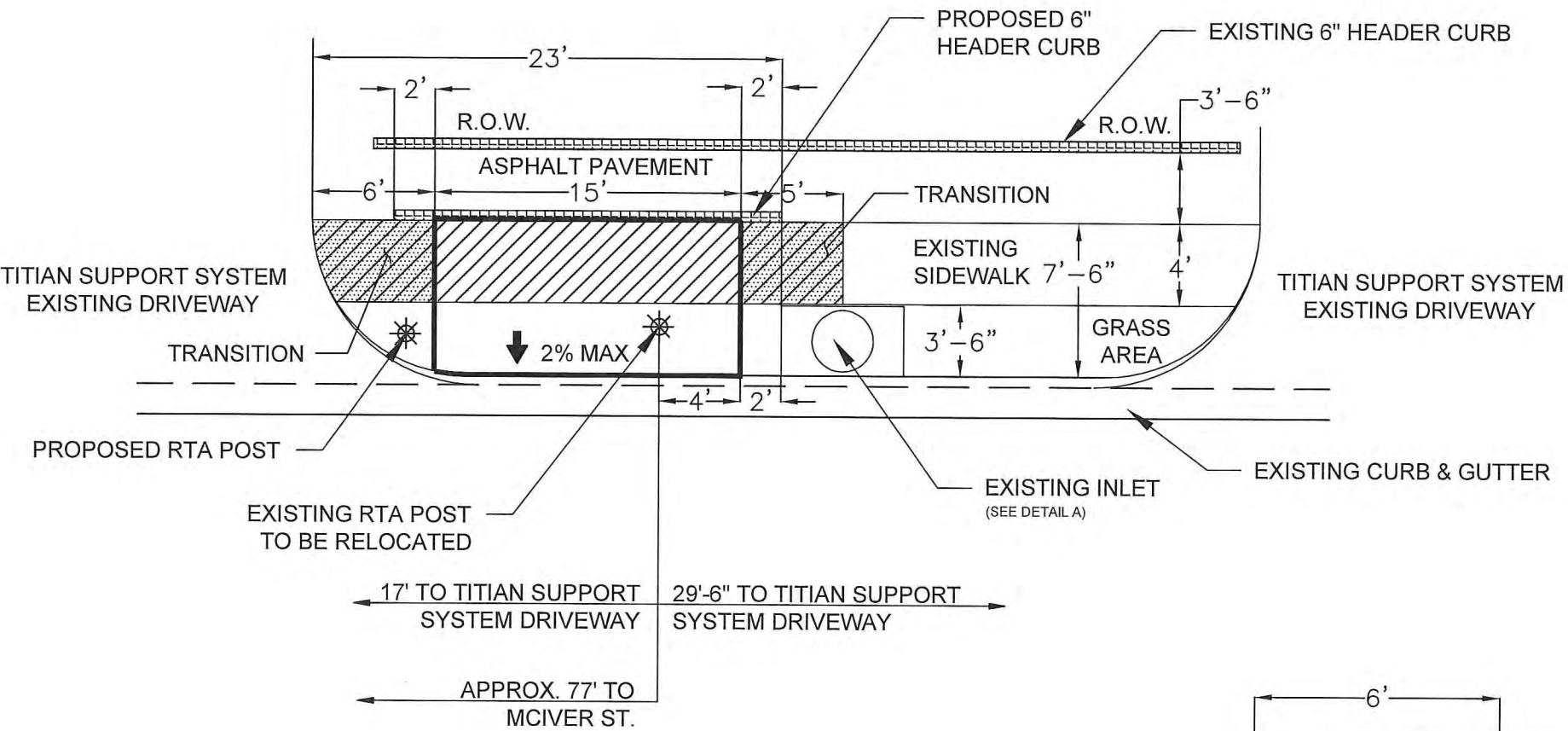
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (670)
SOUTH PADRE ISLAND DRIVE
@ STONE-EXHIBIT C
CORPUS CHRISTI, TEXAS**

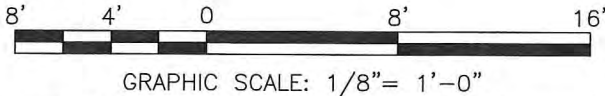
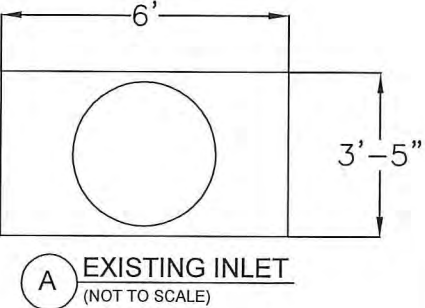
Dwg. 9567-EXHIBIT 1
5-C
Sheet 5-C Of 21



CONCRETE SHELTER PAD	114	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	44	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	19	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	104	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	26	LF
RELOCATE EXISTING BUS STOP SIGN	1	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	EA



SOUTH PADRE ISLAND DRIVE



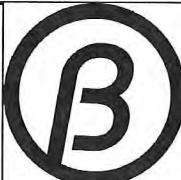
Approved 12-03-2015

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OFFICE LOCATION :
4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
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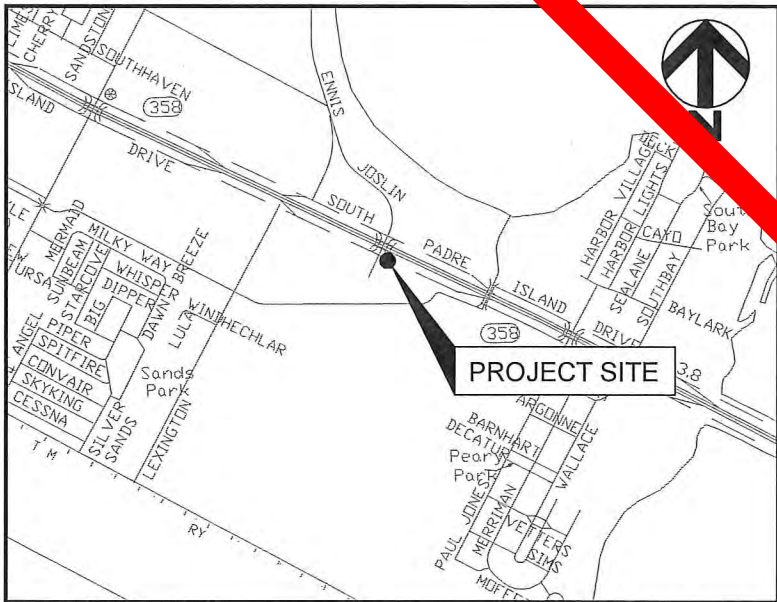
Drawn By :	NV
Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-



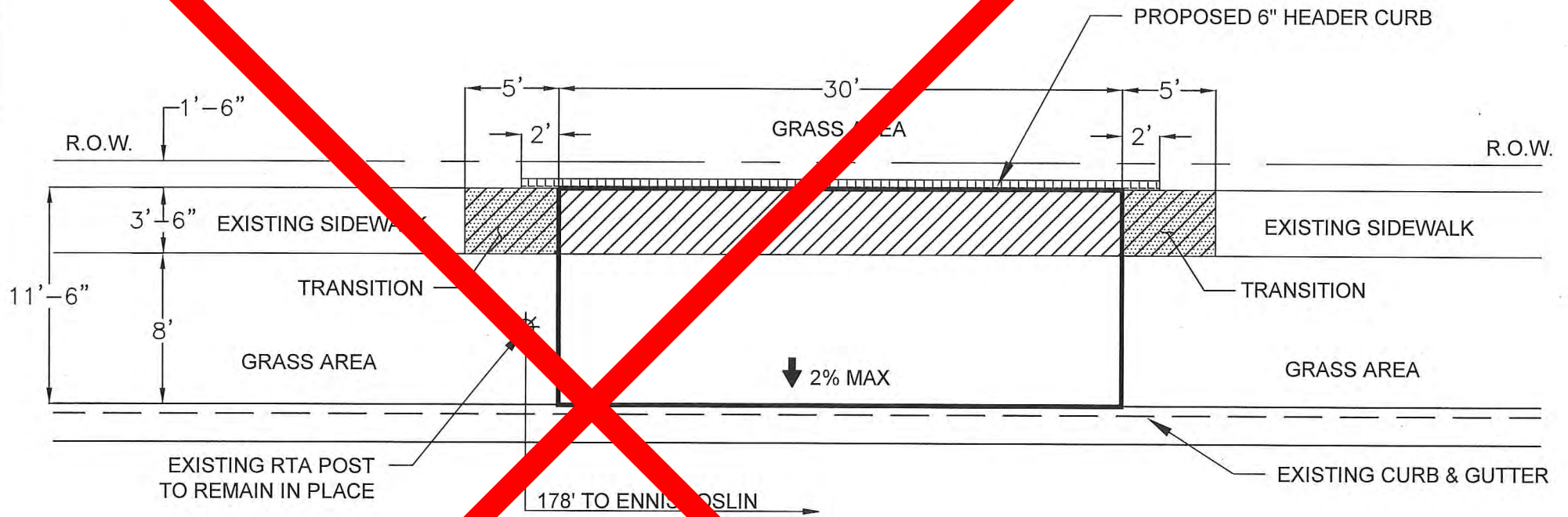
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (672)
SOUTH PADRE ISLAND DRIVE
@ MCIVER-STREET C
CORPUS CHRISTI, TEXAS

Dwg. No. 9567-EXHIBIT 1
6-C
Sheet 6-C Of 21

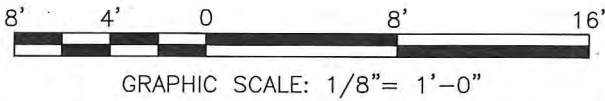


CONCRETE SHELTER PAD	345	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	36	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	34	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	144	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



SOUTH PADRE ISLAND DRIVE

ENNIS JOSLIN RD.



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Gabriel Ortiz 12-03-2015

OFFICE LOCATION:
4500 S. Padre Island Rd.
Corpus Christi, Texas 78411
Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By:	NV
Checked By:	KM
Approved By:	GO
Project No.:	9567
Scale:	AS SHOWN
Date:	12-02-2015
Revision:	-

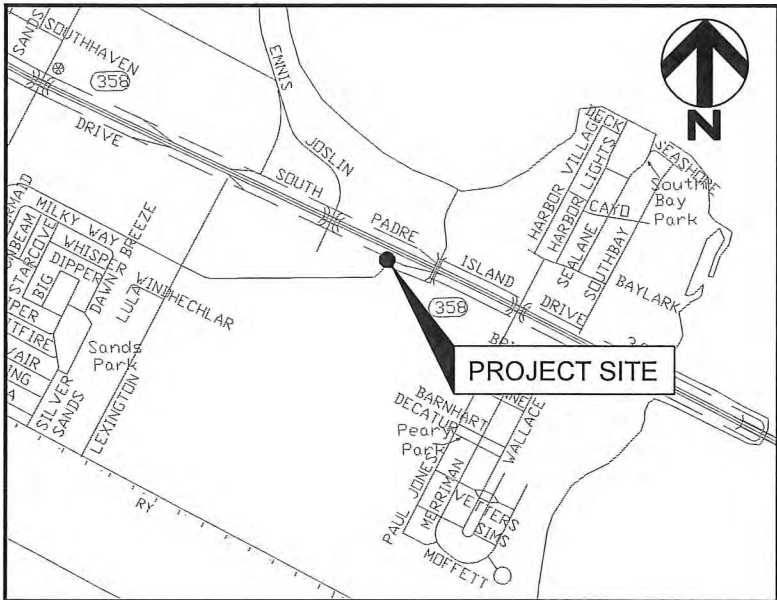
NEI
Naismith
Engineering, Inc.
Tx. Registration No. F-000355



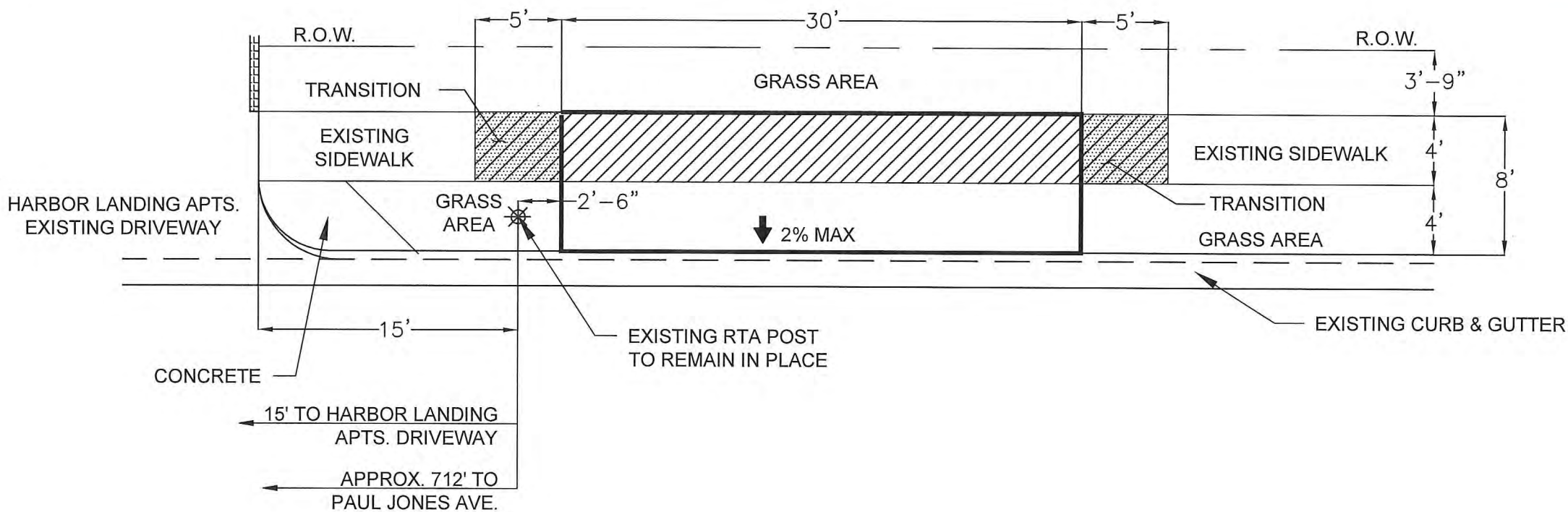
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (694)
SOUTH PADRE ISLAND DRIVE
@ ENNIS JOSLIN-EXHIBIT C
CORPUS CHRISTI, TEXAS

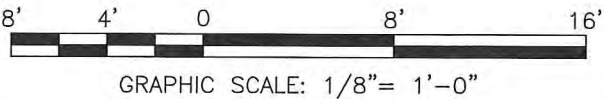
Dwg. No. 9567-EXHIBIT 1
7-C
Sheet 7-C Of 21



CONCRETE SHELTER PAD	245	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



SOUTH PADRE ISLAND DRIVE



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OFFICE LOCATION :
4501 Gollihar Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
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Drawn By :	NV
Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-



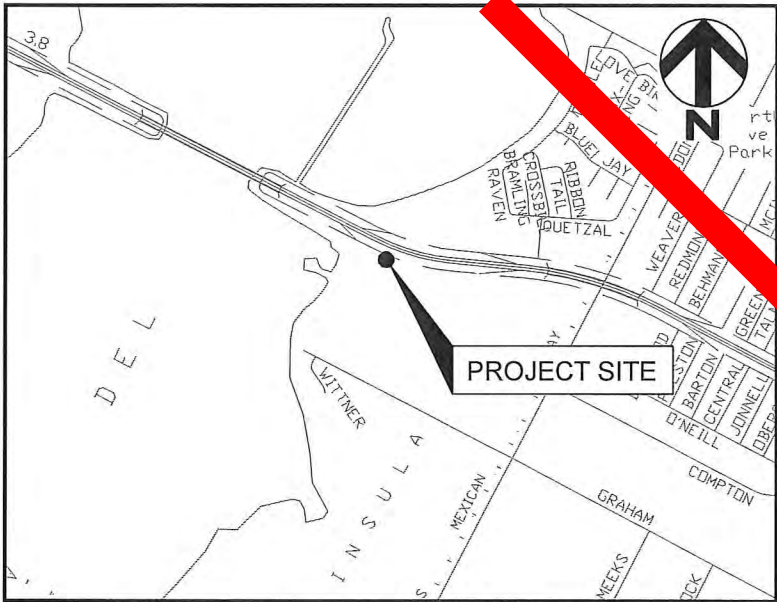
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (695)
8033 SOUTH PADRE ISLAND DRIVE @
HARBOR LANDING APTS.-EXHIBIT C
CORPUS CHRISTI, TEXAS**

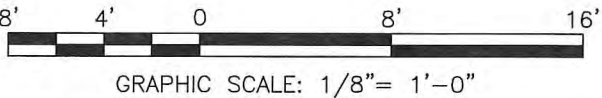
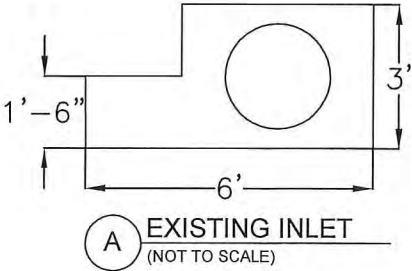
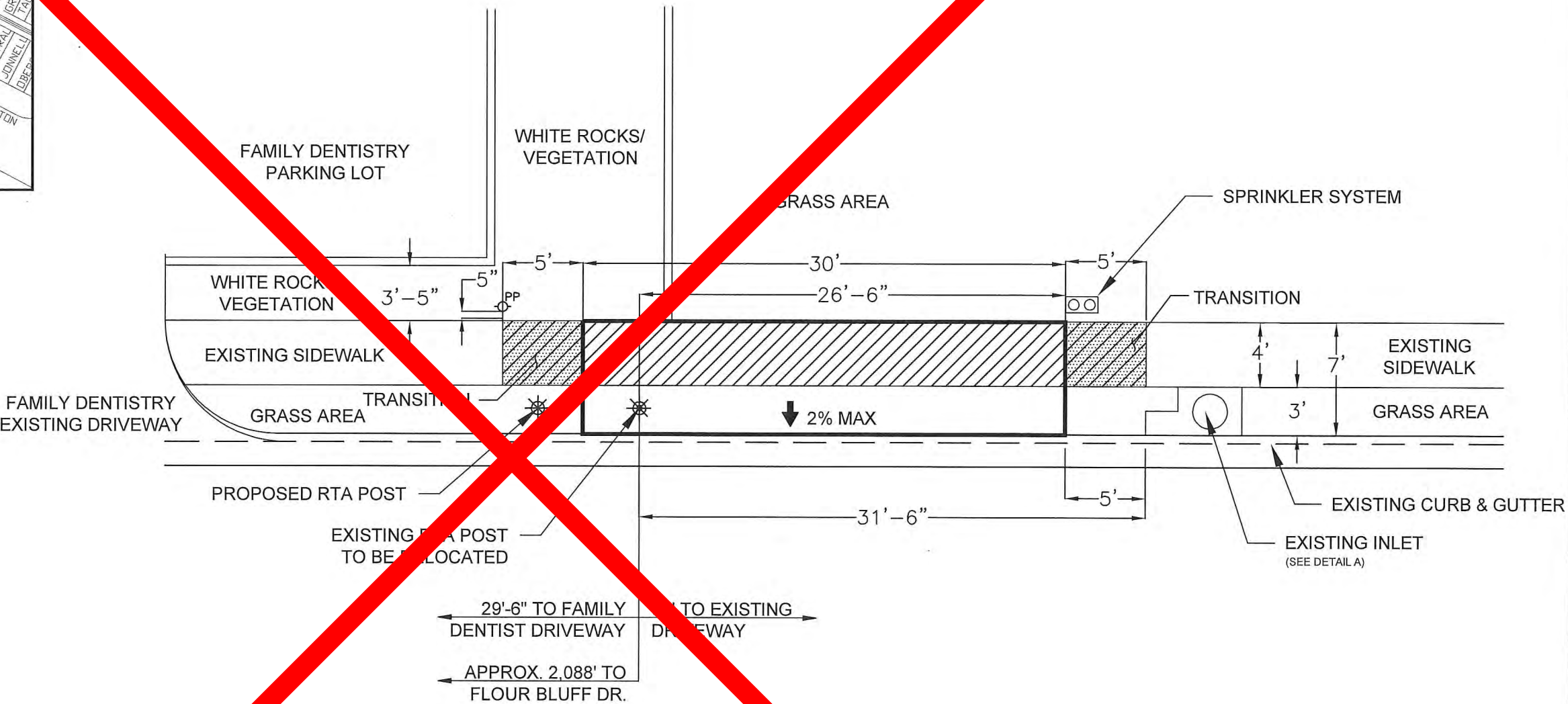
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8-C

Sheet 8-C Of 21



CONCRETE SHELTER PAD	210	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	1	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



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1111 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By:	NV
Checked By:	KM
Approved By:	GO
Project No.:	9567
Scale:	AS SHOWN
Date:	12-02-2015
Revision:	-



CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (697)
001 SOUTH PADRE
ISLAND DRIVE-EXHIBIT C
CORPUS CHRISTI, TEXAS

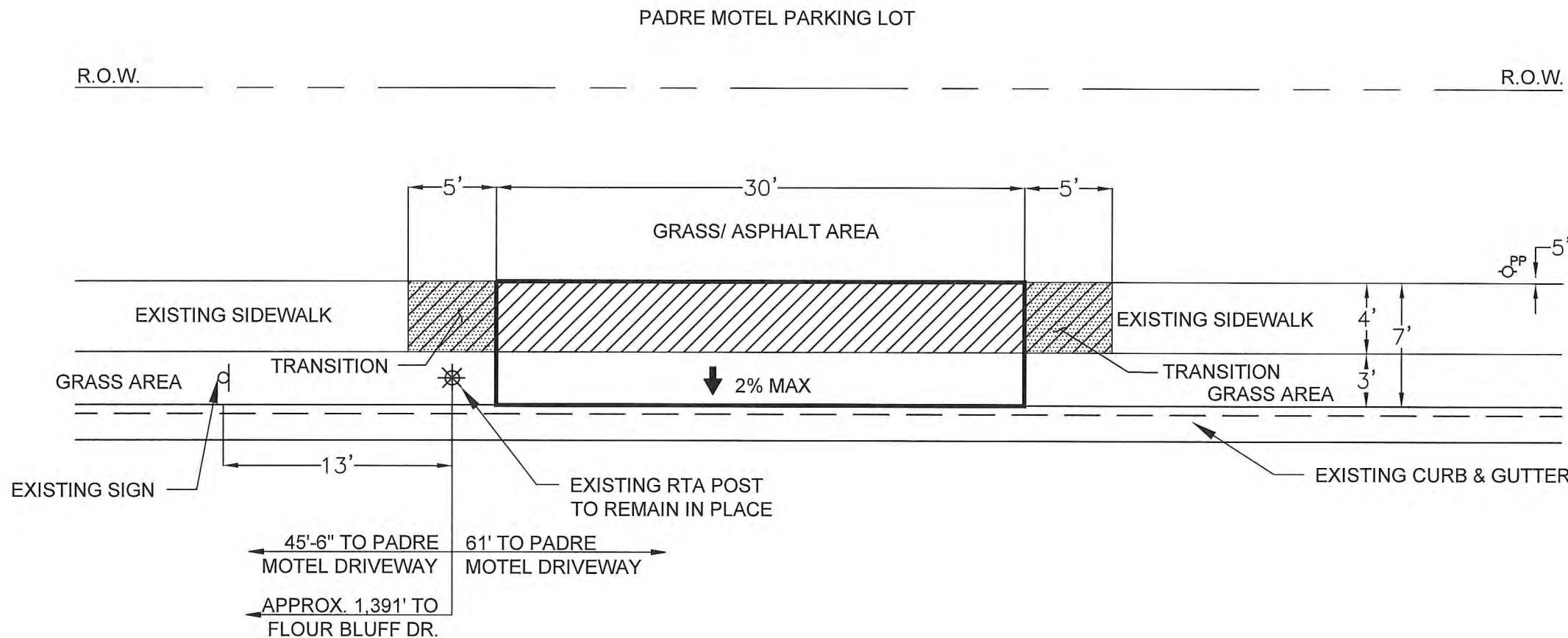
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9-C

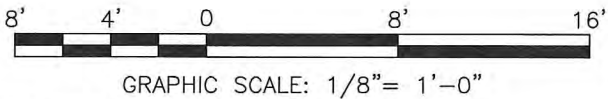
Sheet 9-C Of 21



CONCRETE SHELTER PAD	210	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



SOUTH PADRE ISLAND DRIVE



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OFFICE LOCATION :

4501 Gollihar Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By :	NV
Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-



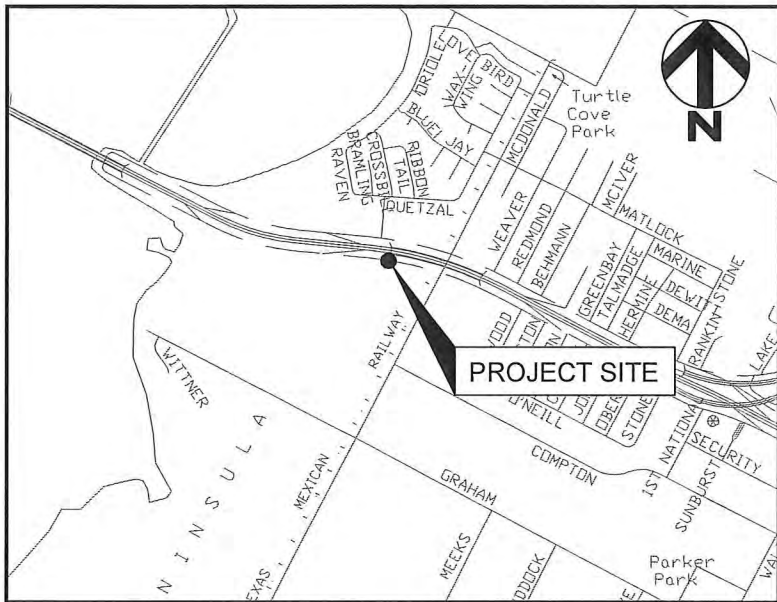
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (698)
SOUTH PADRE ISLAND DRIVE
@ PADRE MOTEL-EXHIBIT C
CORPUS CHRISTI, TEXAS**

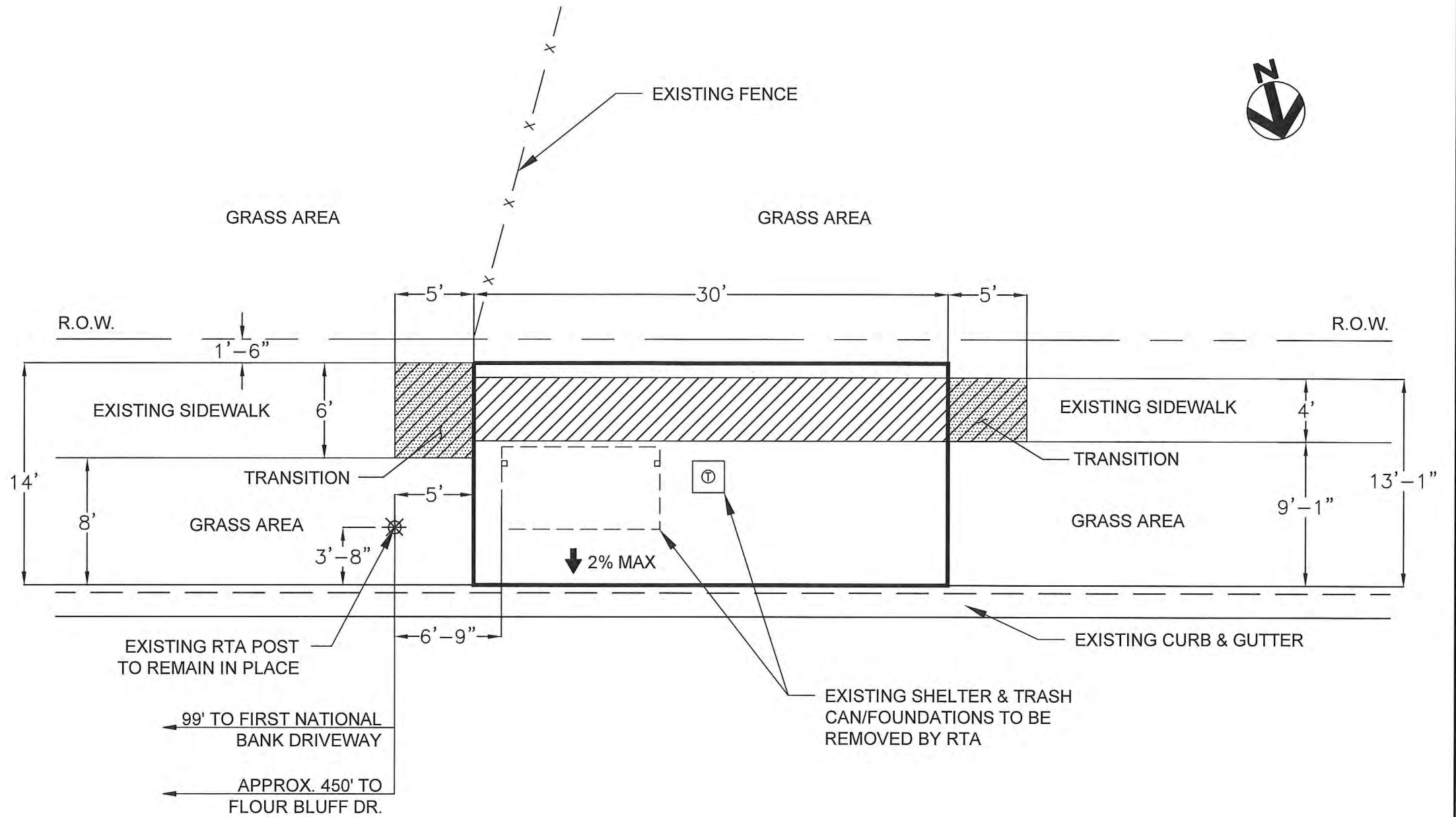
DWG No. 9567-EXHIBIT 1

10-C

Sheet 10-C Of 21



CONCRETE SHELTER PAD	428	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	50	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	170	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	10	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
DEMOLITION OF FOUNDATION	3	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS

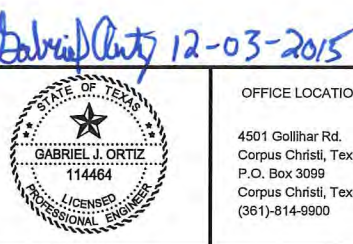


SOUTH PADRE ISLAND DRIVE



GRAPHIC SCALE: 1/8" = 1'-0"

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OFFICE LOCATION :

4501 Gollihar Rd.
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P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By : NV

Checked By : KM

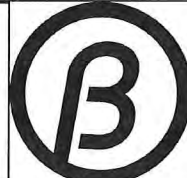
Approved By : GO

Project No. : 9567

Scale : AS SHOWN

Date : 12-02-2015

Revision : -



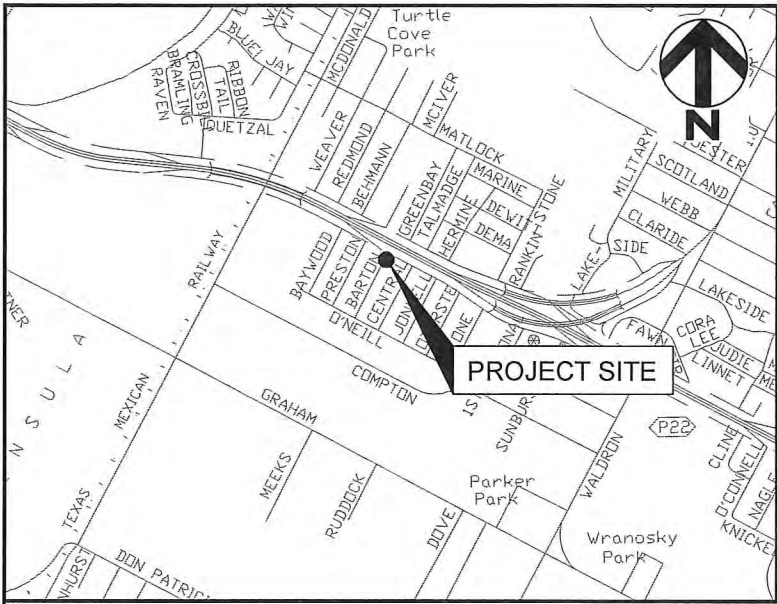
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (699)
SOUTH PADRE ISLAND DRIVE @ FLOUR
BLUFF DRIVE NS WALMART-EXHIBIT C
CORPUS CHRISTI, TEXAS**

Dwg. No. 9567-EXHIBIT 1

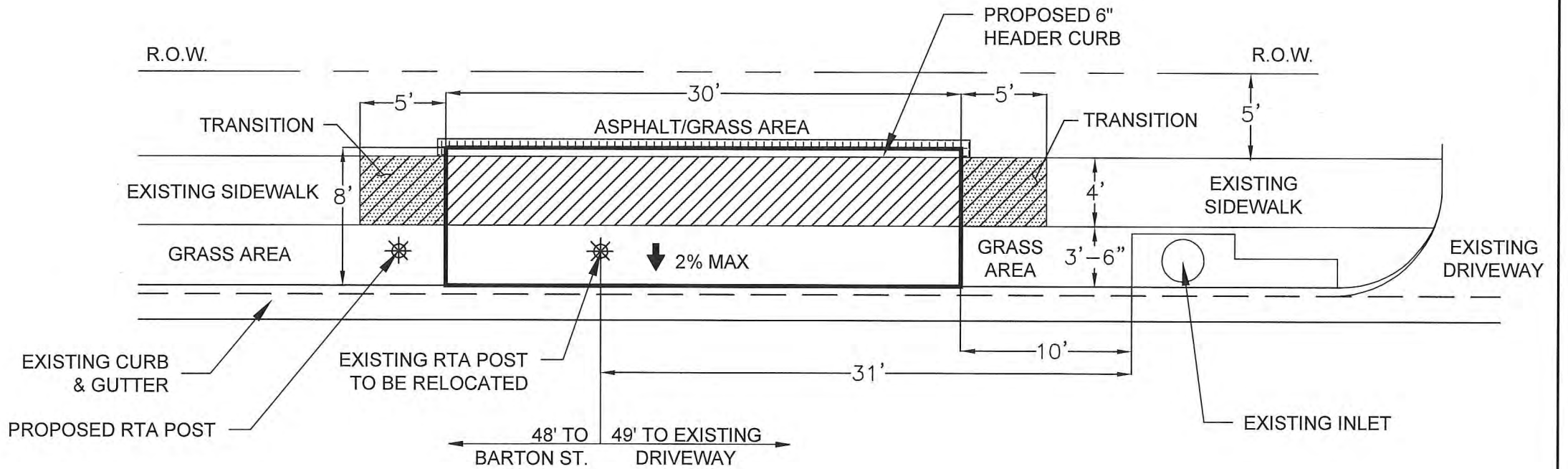
11-C

Sheet 11-C Of 21



CONCRETE SHELTER PAD	240	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	32	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	1	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS

BARTON ST.



SOUTH PADRE ISLAND DRIVE



GRAPHIC SCALE: 1/8" = 1'-0"

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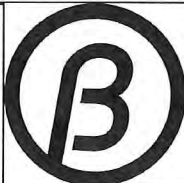
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OFFICE LOCATION :

4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
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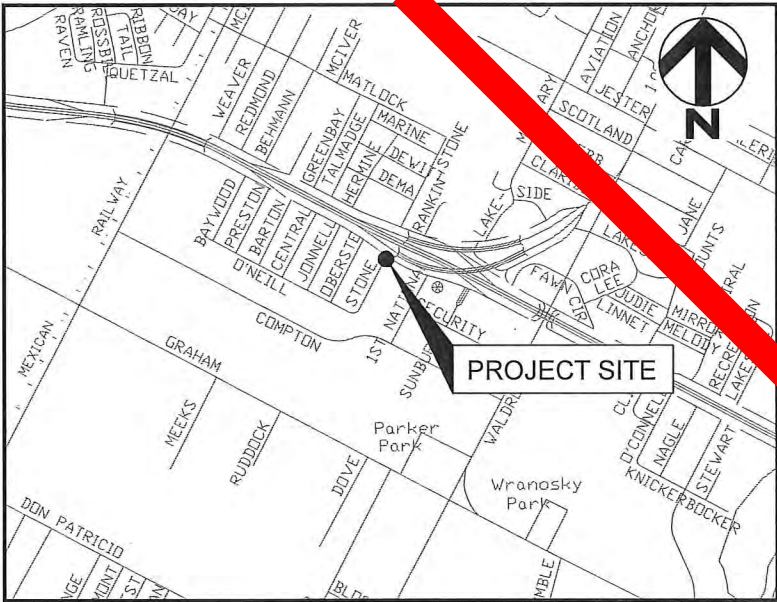
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Checked By :	KM
Approved By :	GO
Project No. :	9567
Scale :	AS SHOWN
Date :	12-02-2015
Revision :	-



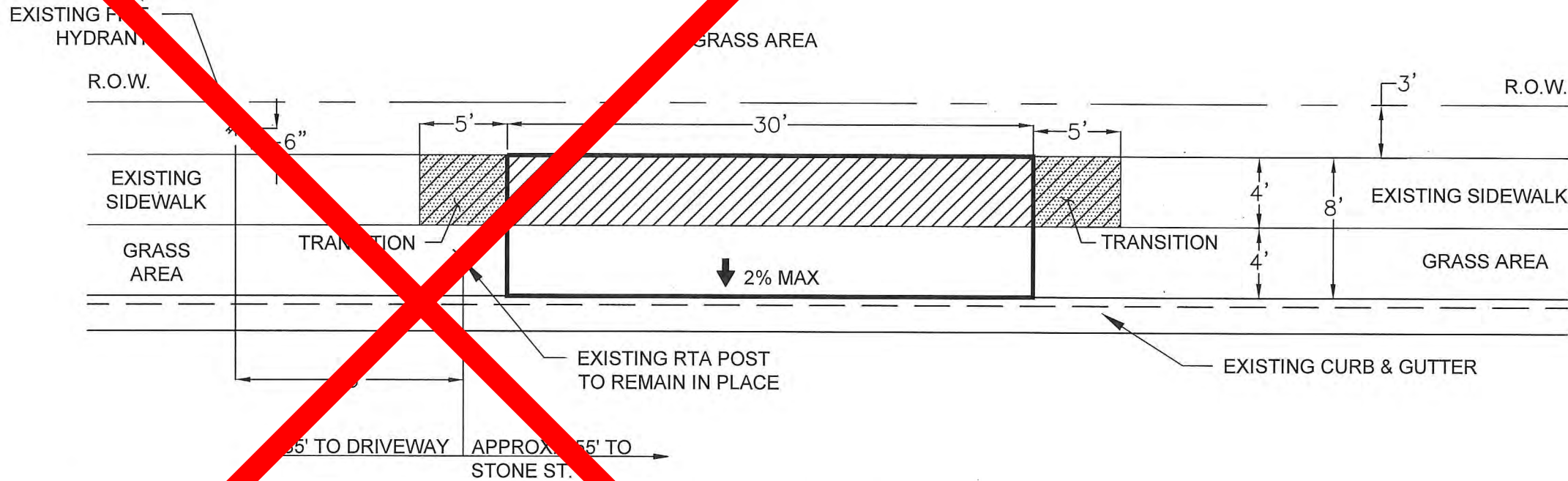
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (702)
SOUTH PADRE ISLAND DRIVE
@ BARTON-EXHIBIT C
CORPUS CHRISTI, TEXAS**

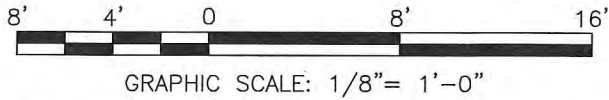
Dwg No. 9567-EXHIBIT 1
12-C
Sheet 12-C Of 21



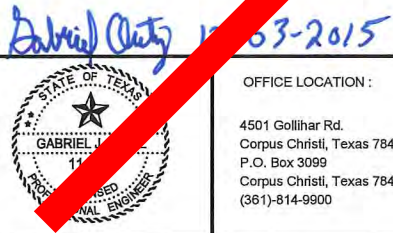
CONCRETE SHELTER PAD	240	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



SOUTH PADRE ISLAND DRIVE



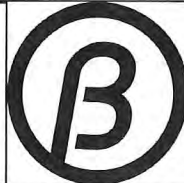
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OFFICE LOCATION :

4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By : NV
Checked By : KM
Approved By : GO
Project No. : 9567
Scale : AS SHOWN
Date : 12-02-2015
Revision : -



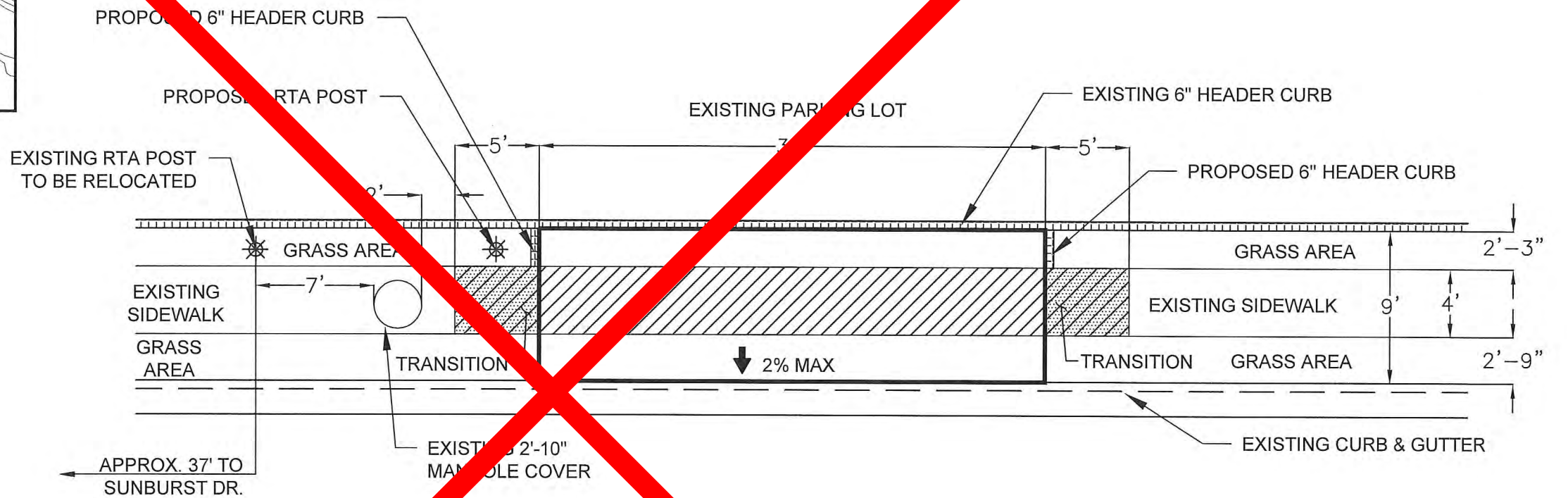
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**DA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (704)
SOUTH PADRE ISLAND DRIVE
@ STONE-EXHIBIT C
CORPUS CHRISTI, TEXAS**

Dwg No. 9567-EXHIBIT 1
13-C
Sheet 13-C Of 21



CONCRETE SHELTER PAD	270	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	40	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	6	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	160	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	8	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	1	EA
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS



SOUTH PADRE ISLAND DRIVE



GRAPHIC SCALE: 1/8" = 1'-0"

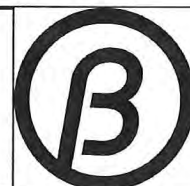
REV.	REVISIONS	APPR.	DATE

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OFFICE LOCATION:
4501 ... Rd.
Corpus Christi, Texas 78411
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Corpus Christi, Texas 78463
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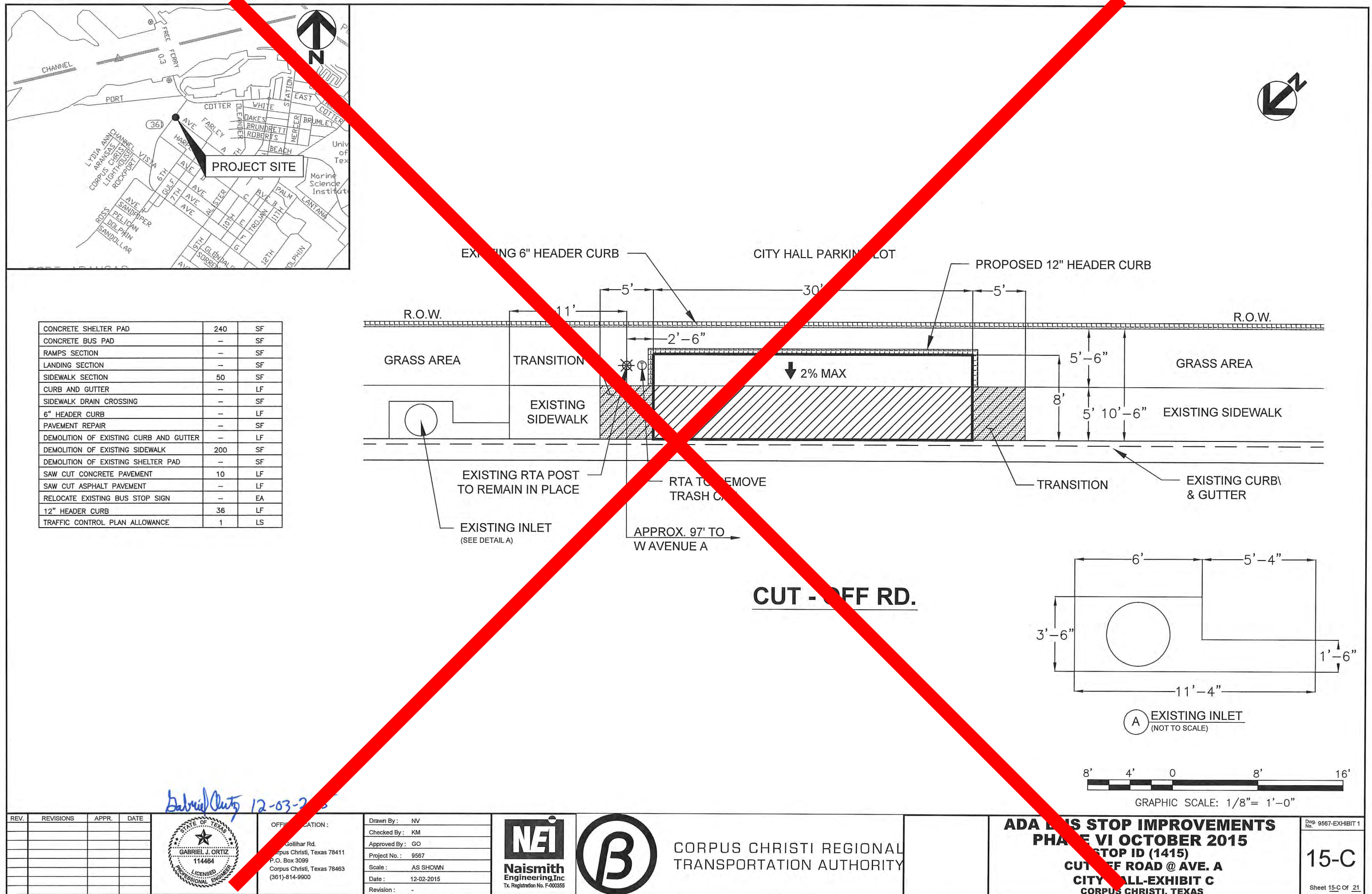
Drawn By: NV
Checked By: KM
Approved By: GO
Project No.: 9567
Scale: AS SHOWN
Date: 12-02-2015
Revision: -



CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
STOP ID (705)
SOUTH PADRE ISLAND DRIVE @
SUNBURST-EXHIBIT C
CORPUS CHRISTI, TEXAS**

Dwg. No. 9567-EXHIBIT 1
14-C
Sheet 14-C Of 21



PROJECT SITE

ITEM DESCRIPTION	QUANTITY	UNIT
CONCRETE SHELTER PAD	240	SF
CONCRETE BUS PAD	-	SF
RAMPS SECTION	-	SF
LANDING SECTION	-	SF
SIDEWALK SECTION	50	SF
CURB AND GUTTER	-	LF
SIDEWALK DRAIN CROSSING	-	SF
6" HEADER CURB	-	LF
PAVEMENT REPAIR	-	SF
DEMOLITION OF EXISTING CURB AND GUTTER	-	LF
DEMOLITION OF EXISTING SIDEWALK	200	SF
DEMOLITION OF EXISTING SHELTER PAD	-	SF
SAW CUT CONCRETE PAVEMENT	10	LF
SAW CUT ASPHALT PAVEMENT	-	LF
RELOCATE EXISTING BUS STOP SIGN	-	EA
12" HEADER CURB	36	LF
TRAFFIC CONTROL PLAN ALLOWANCE	1	LS

EXISTING 6" HEADER CURB

CITY HALL PARKING LOT

PROPOSED 12" HEADER CURB

R.O.W.

GRASS AREA

TRANSITION

EXISTING SIDEWALK

EXISTING RTA POST TO REMAIN IN PLACE

RTA TO REMOVE TRASH C.

APPROX. 97' TO W AVENUE A

EXISTING INLET (SEE DETAIL A)

↓ 2% MAX

EXISTING CURB & GUTTER

CUT - OFF RD.

(A) EXISTING INLET (NOT TO SCALE)

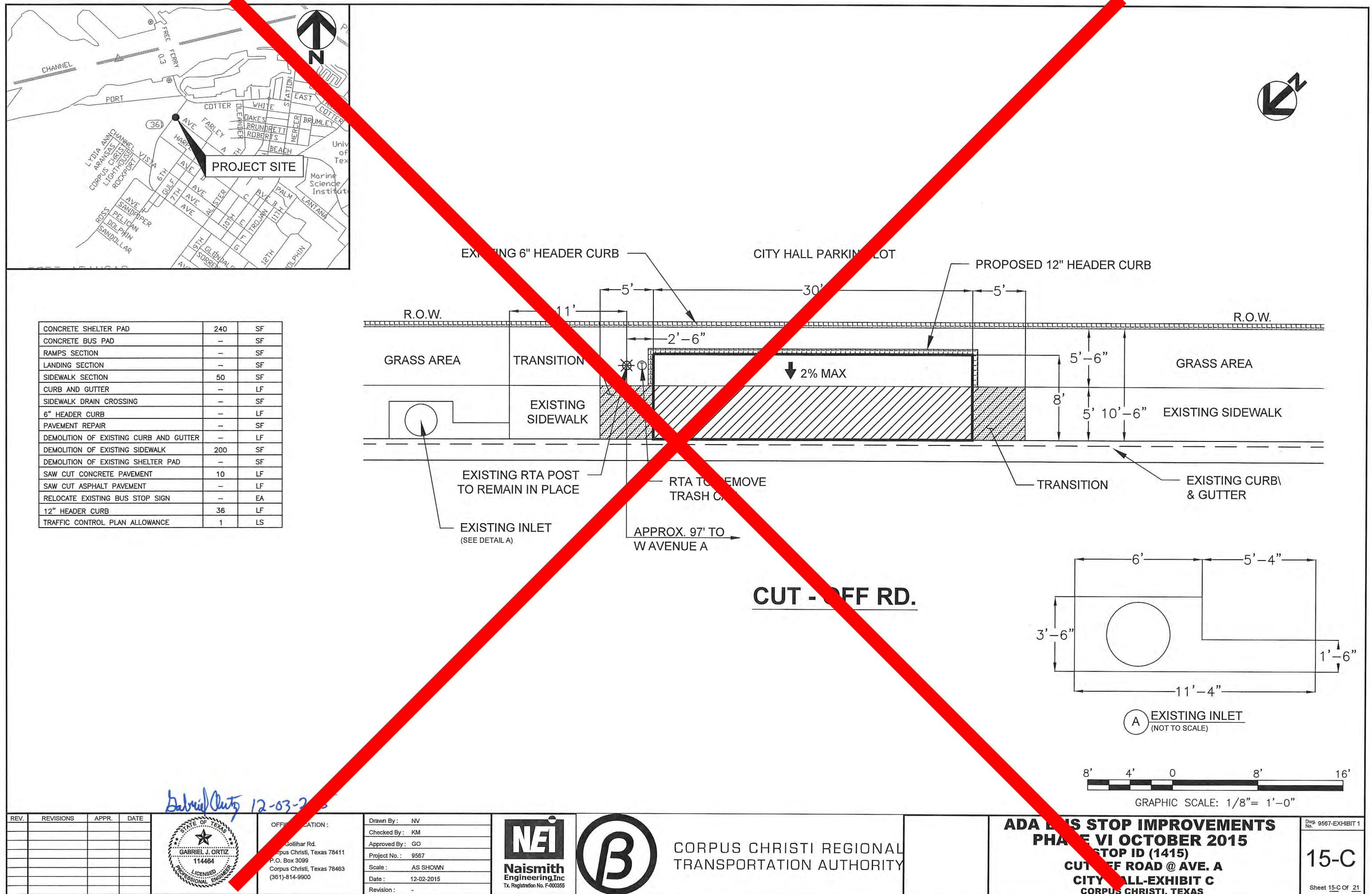
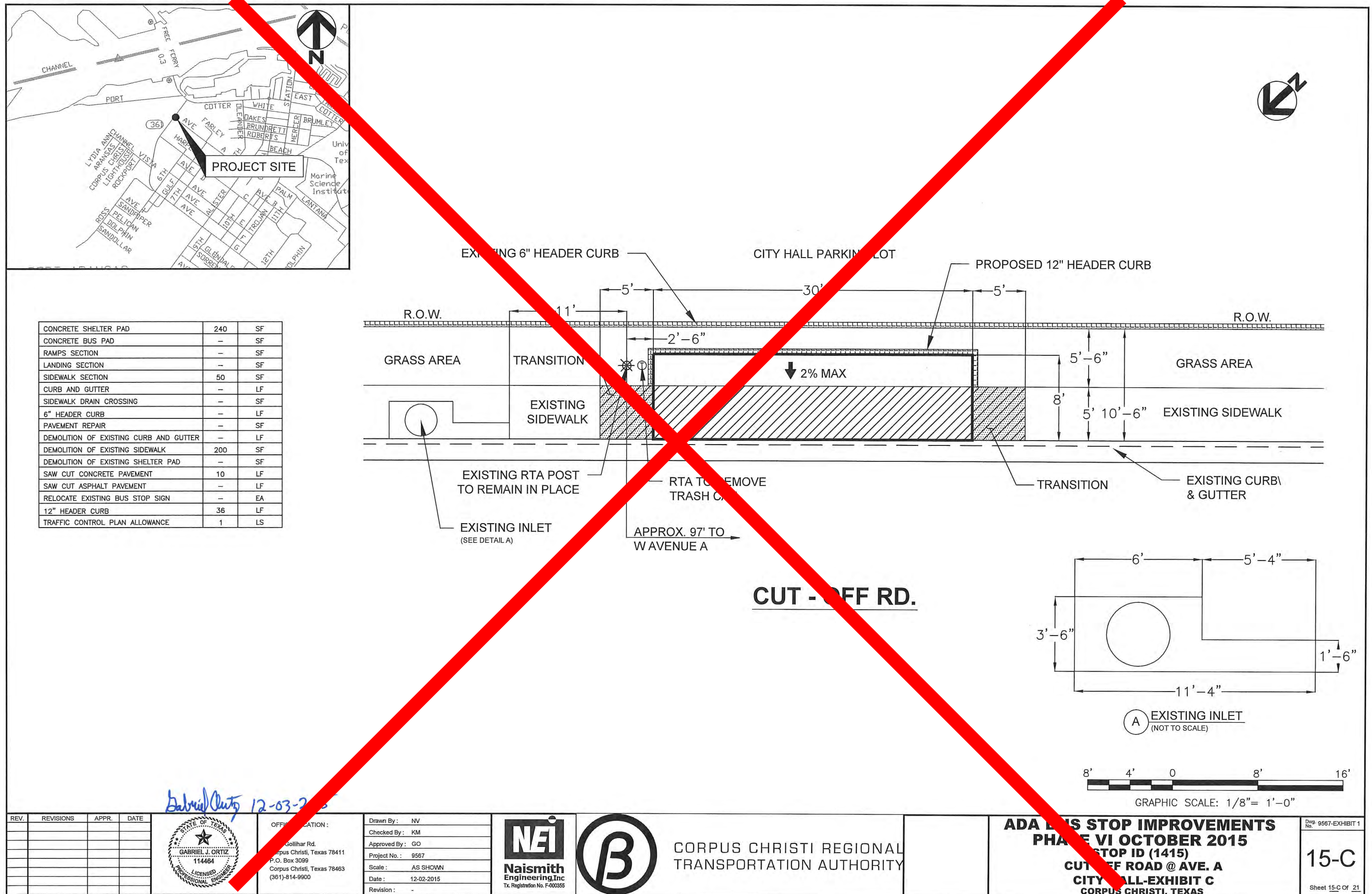
GRAPHIC SCALE: 1/8" = 1'-0"

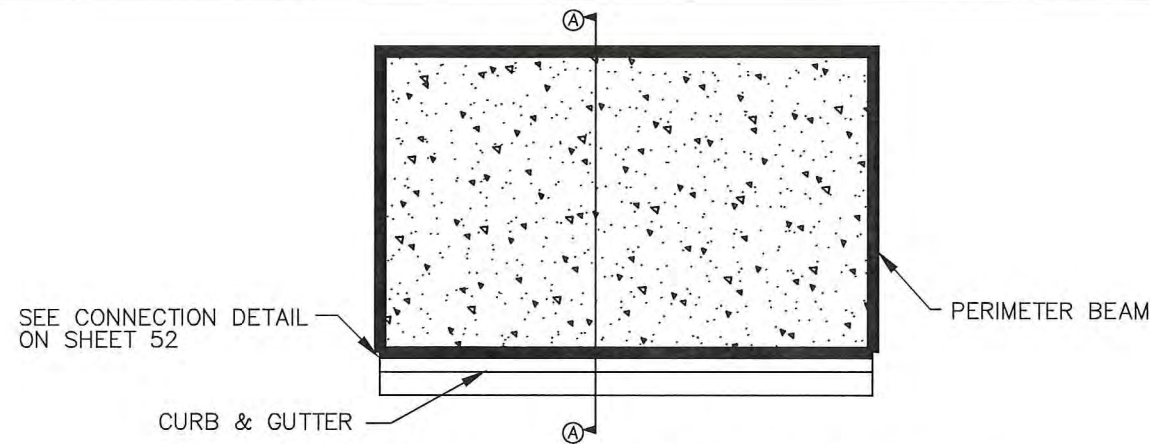
**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
CUT-OFF ROAD @ AVE. A
CITY HALL-EXHIBIT C
CORPUS CHRISTI, TEXAS**

DWG No. 9567-EXHIBIT 1

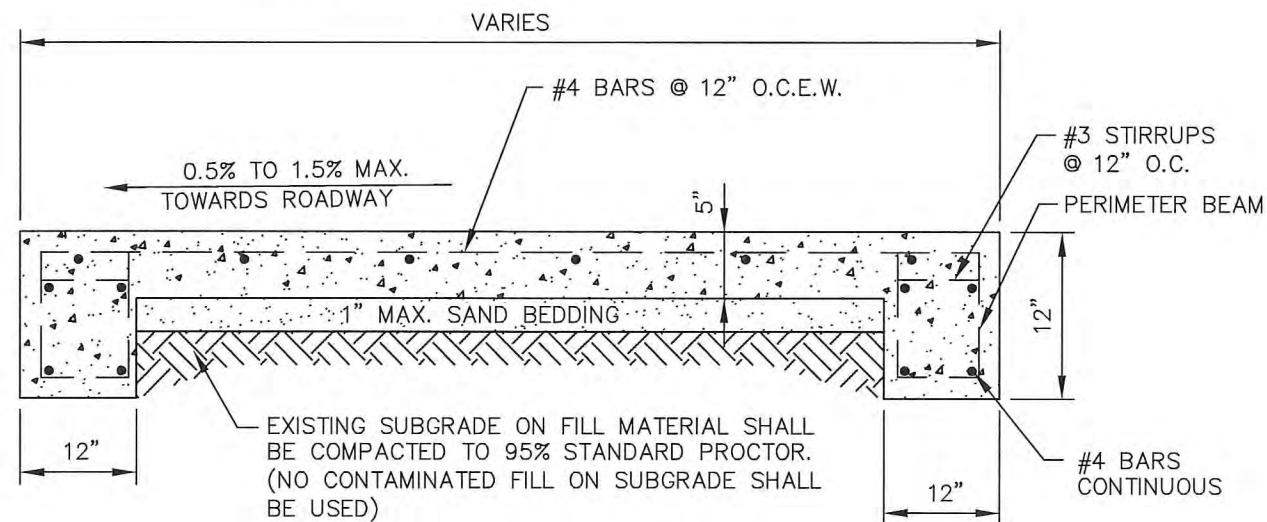
15-C

Sheet 15-C Of 21

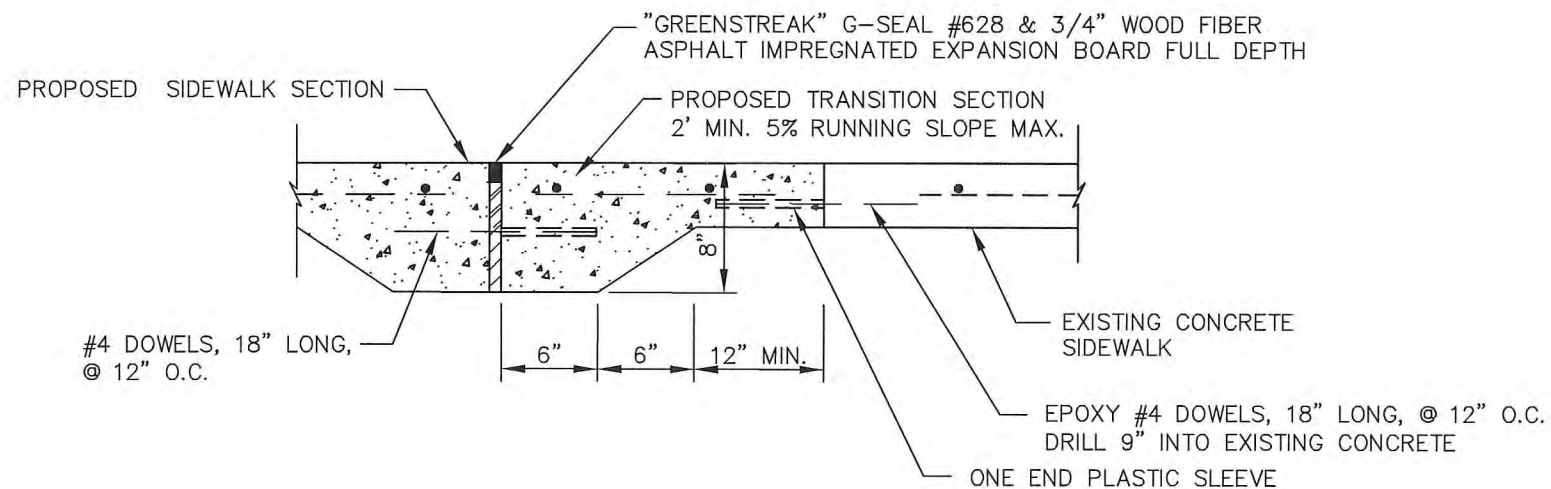




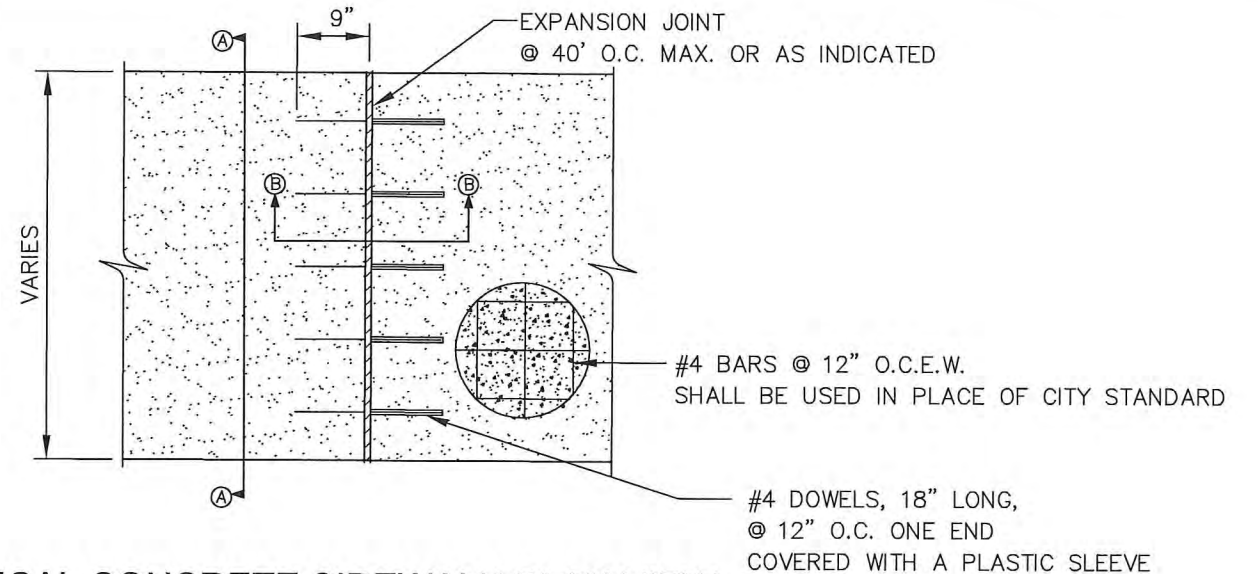
TYPICAL SHELTER PAD PLAN VIEW
SCALE: N.T.S.



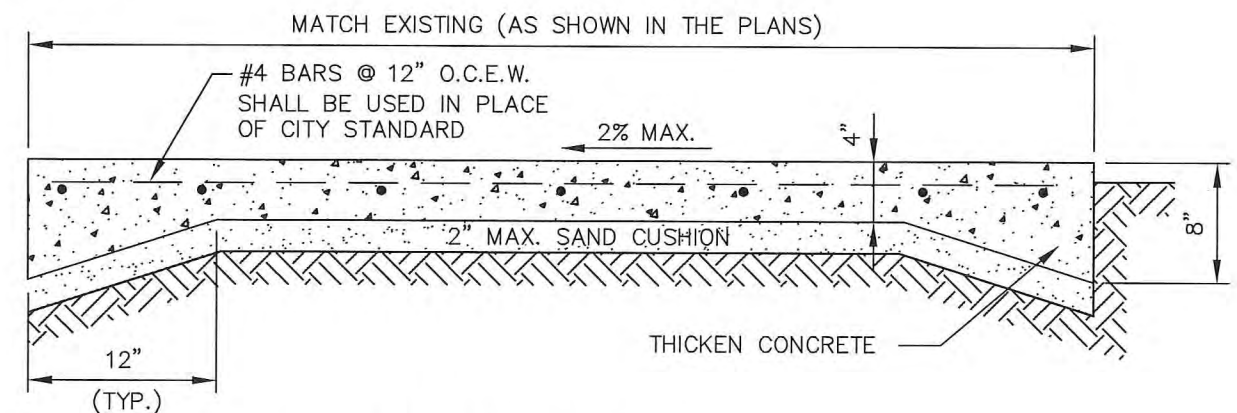
SHELTER PAD SECTION A-A
SCALE: N.T.S.



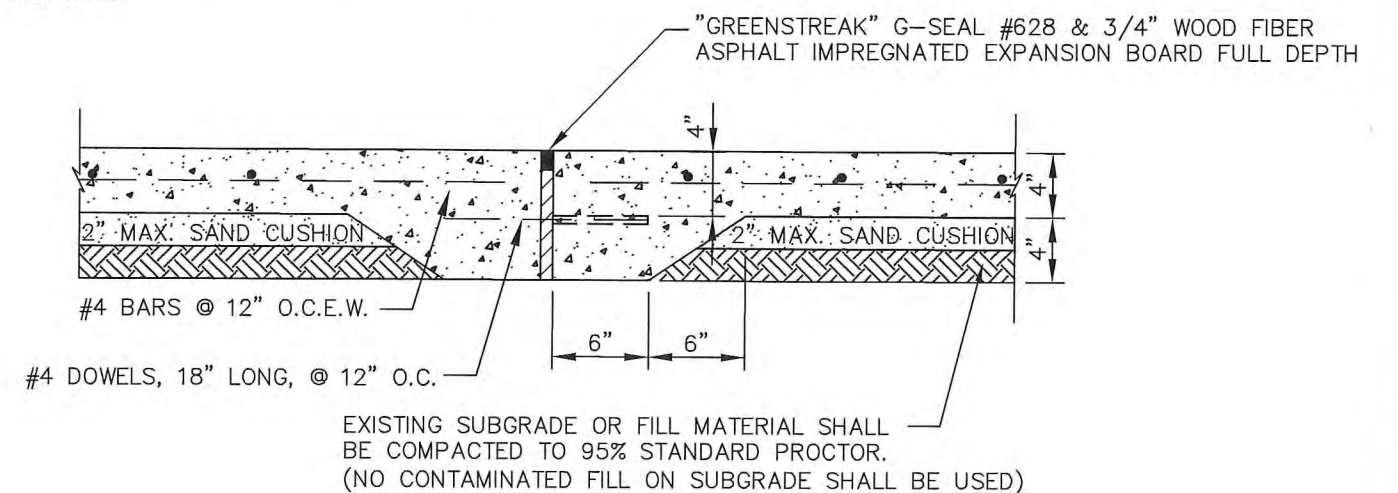
CONCRETE SIDEWALK TRANSITION DETAIL
SCALE: N.T.S.



TYPICAL CONCRETE SIDEWALK PLAN VIEW
SCALE: N.T.S.



CONCRETE SIDEWALK SECTION A-A
SCALE: N.T.S.



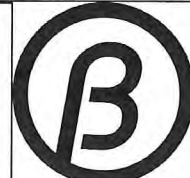
CONCRETE SIDEWALK AND EXPANSION JOINT DETAIL SECTION B-B
SCALE: N.T.S.

REV.	REVISIONS	APPR.	DATE



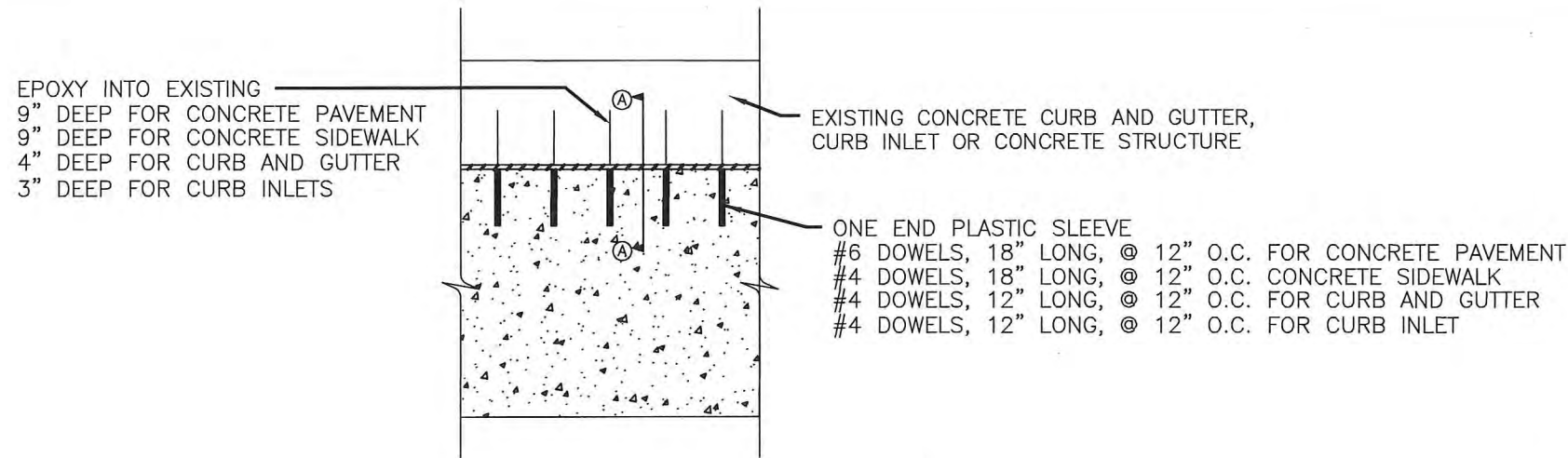
OFFICE LOCATION :
4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By : NV
Checked By : KM
Approved By : GO
Project No. : 9567
Scale : AS SHOWN
Date : 12-02-2015
Revision : -



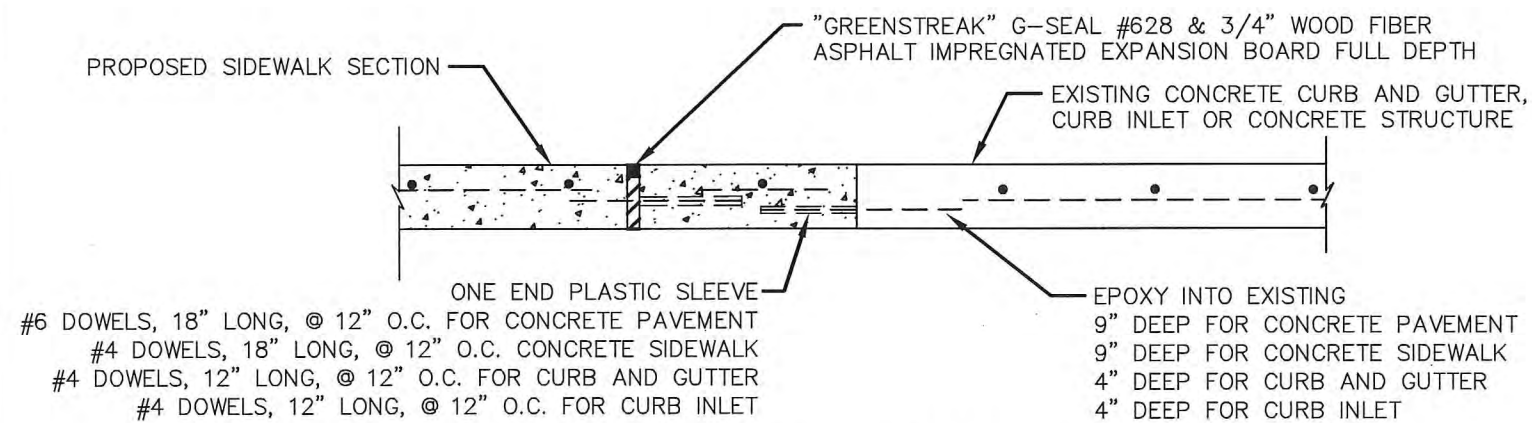
CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
MISCELLANEOUS DETAILS - 1
REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS**



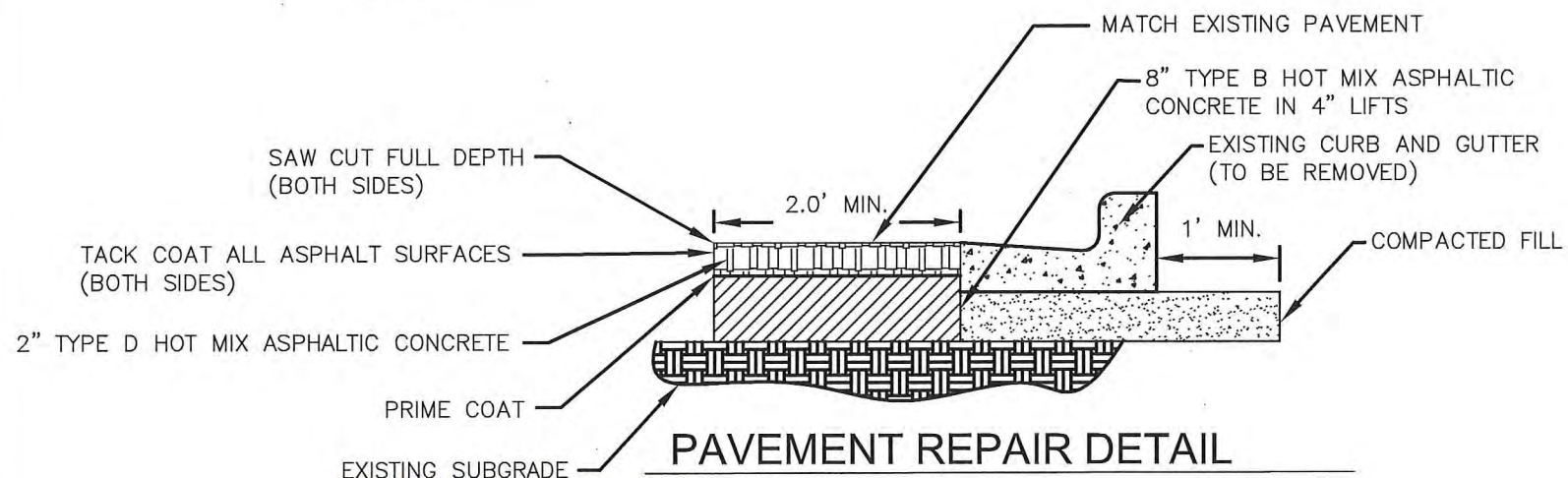
CONNECTION DETAIL PLAN VIEW

(FOR ALL CONNECTION TO EXISTING CONCRETE)
SCALE: N.T.S.



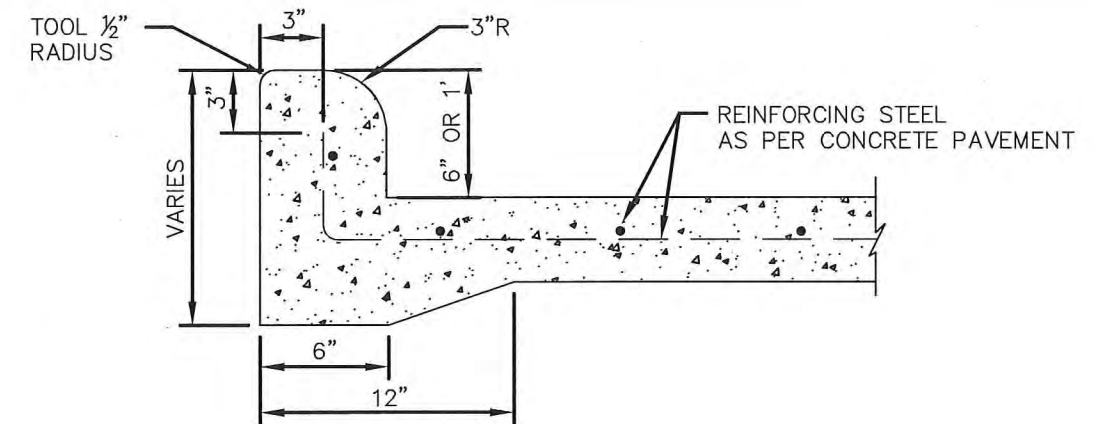
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(FOR ALL CONNECTION TO EXISTING CONCRETE)
SCALE: N.T.S.



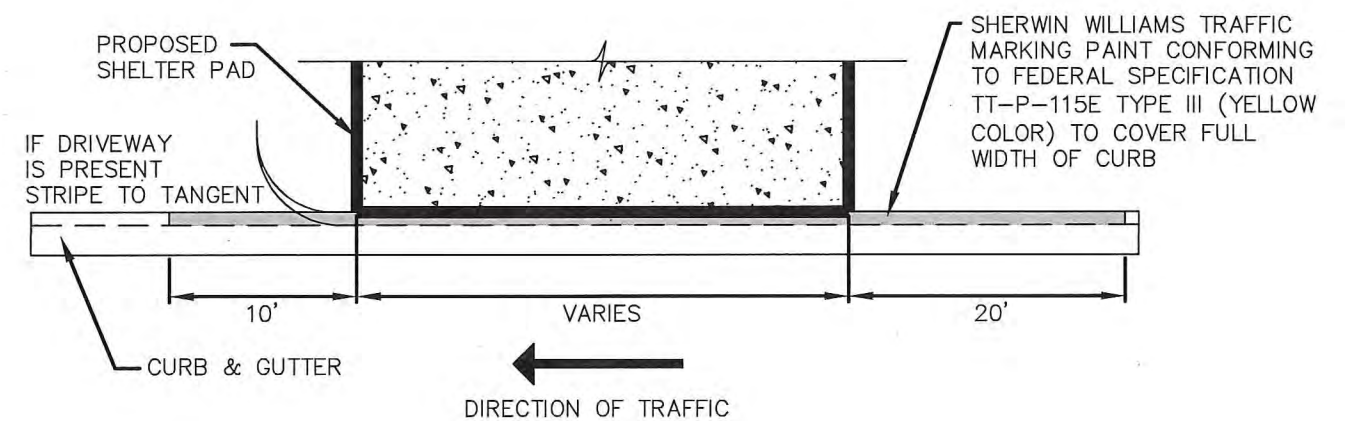
PAVEMENT REPAIR DETAIL

SCALE: N.T.S.



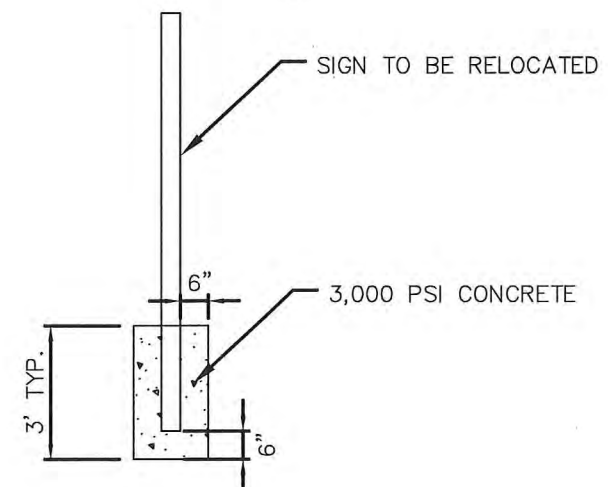
HEADER CURB

N.T.S.



SHELTER PAD STRIPING DETAIL

SCALE: N.T.S.



TYPICAL SIGN REINSTALLATION

SCALE: N.T.S.

REV.	REVISIONS	APPR.	DATE



OFFICE LOCATION:

4501 Gollitah Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By: NV

Checked By: KM

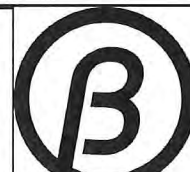
Approved By: GO

Project No.: 9567

Scale: AS SHOWN

Date: 12-02-2015

Revision:



CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
MISCELLANEOUS DETAILS - 2
REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS**

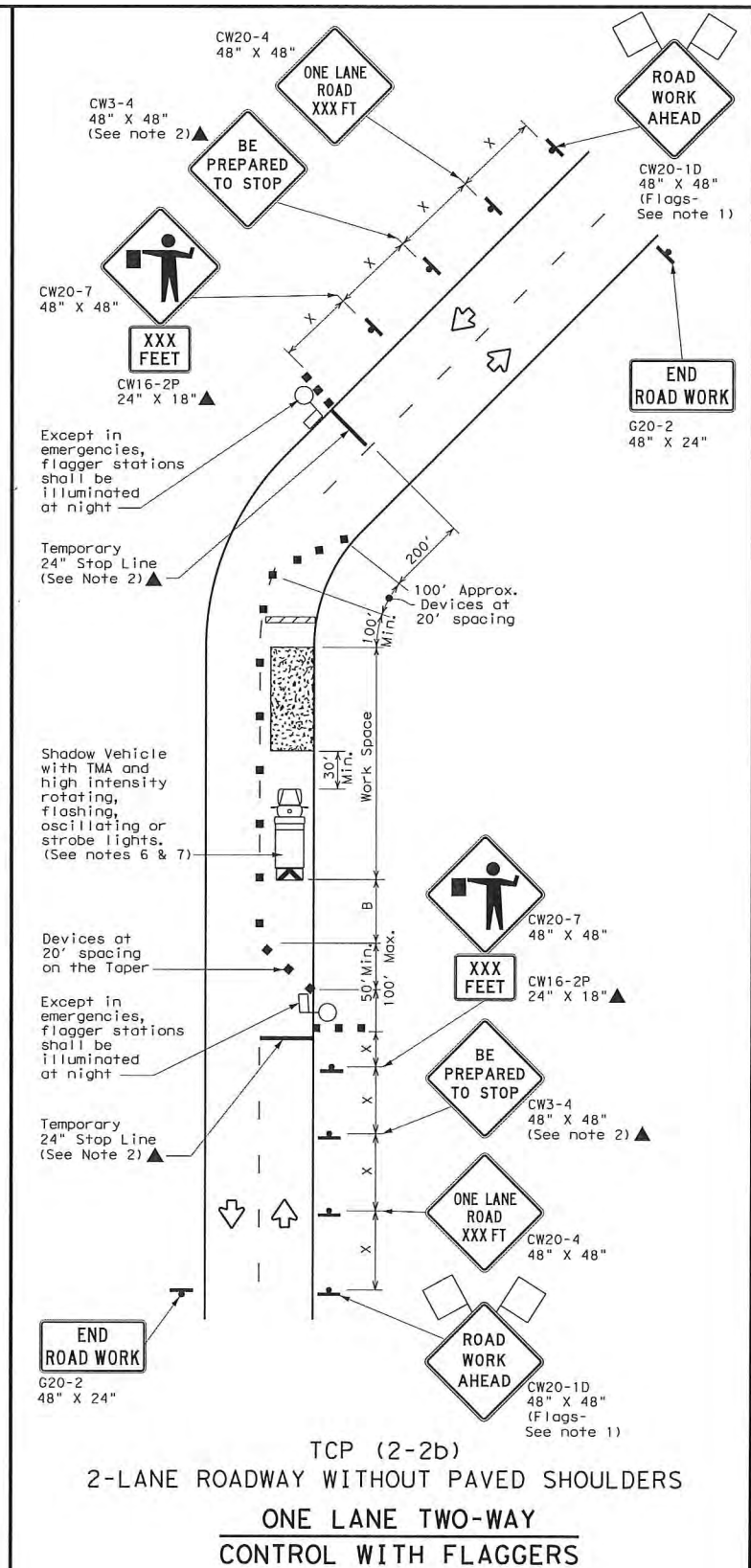
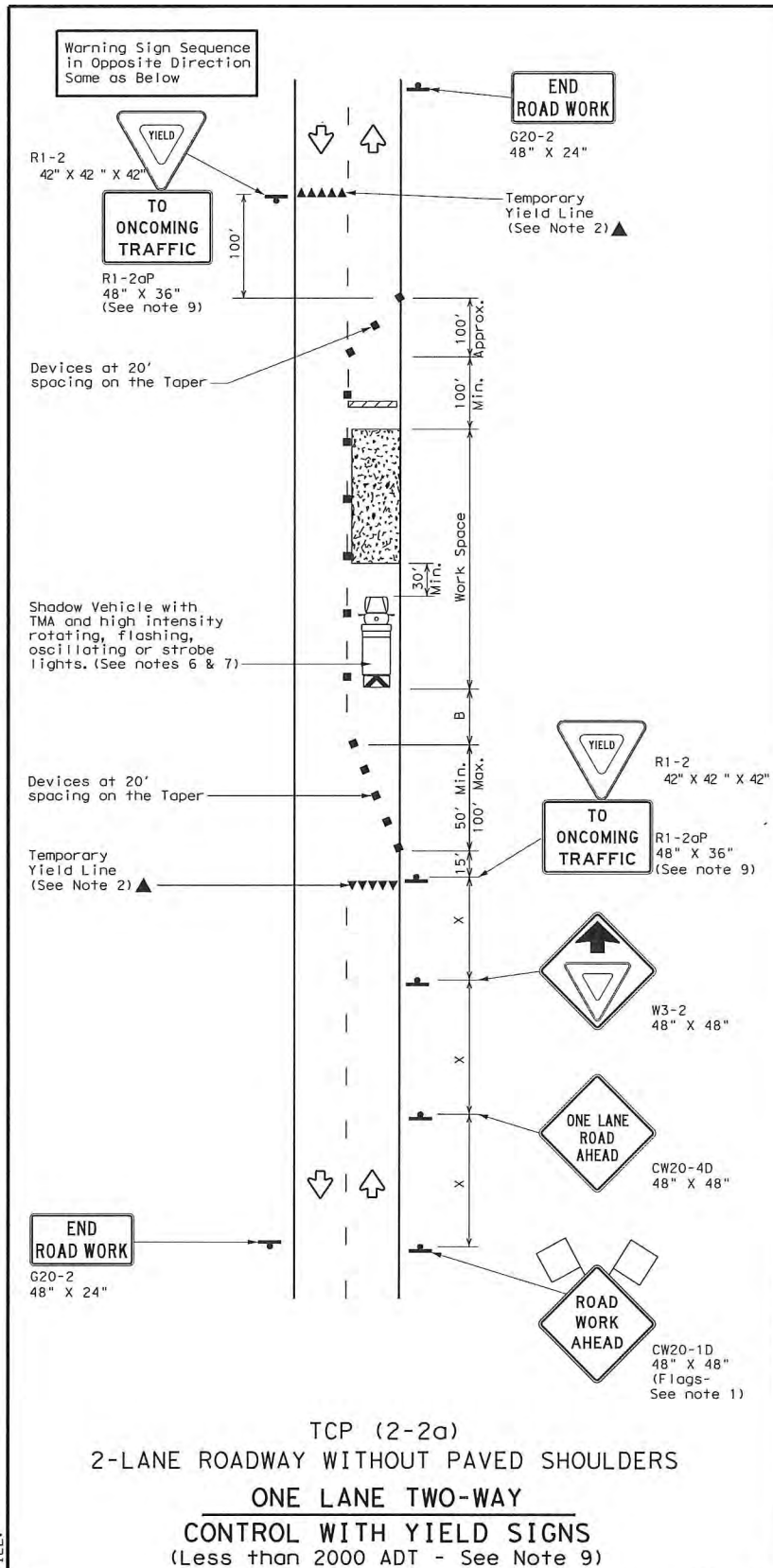
Dwg. 9567-EXHIBIT 1

19

Sheet 19 Of 21

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DATE: FILE:



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

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

* Conventional Roads Only

** Taper lengths have been rounded off.

L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

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

GENERAL NOTES

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

TCP (2-2a)

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

TCP (2-2b)

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

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP (2-2) -12

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REVISIONS	CONT	SECT	JOB	HIGHWAY
8-95 2-12				
1-97				
4-98				
3-03				
	DIST	COUNTY		SHEET NO.

162

REV.	REVISIONS	APPR.	DATE

OFFICE LOCATION :

4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By : NV

Checked By : KM

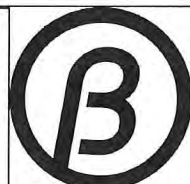
Approved By : GO

Project No. : 9567

Scale : AS SHOWN

Date : 12-02-2015

Revision : -



CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015
TRAFFIC CONTROL PLAN (2-2)-12
REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS**

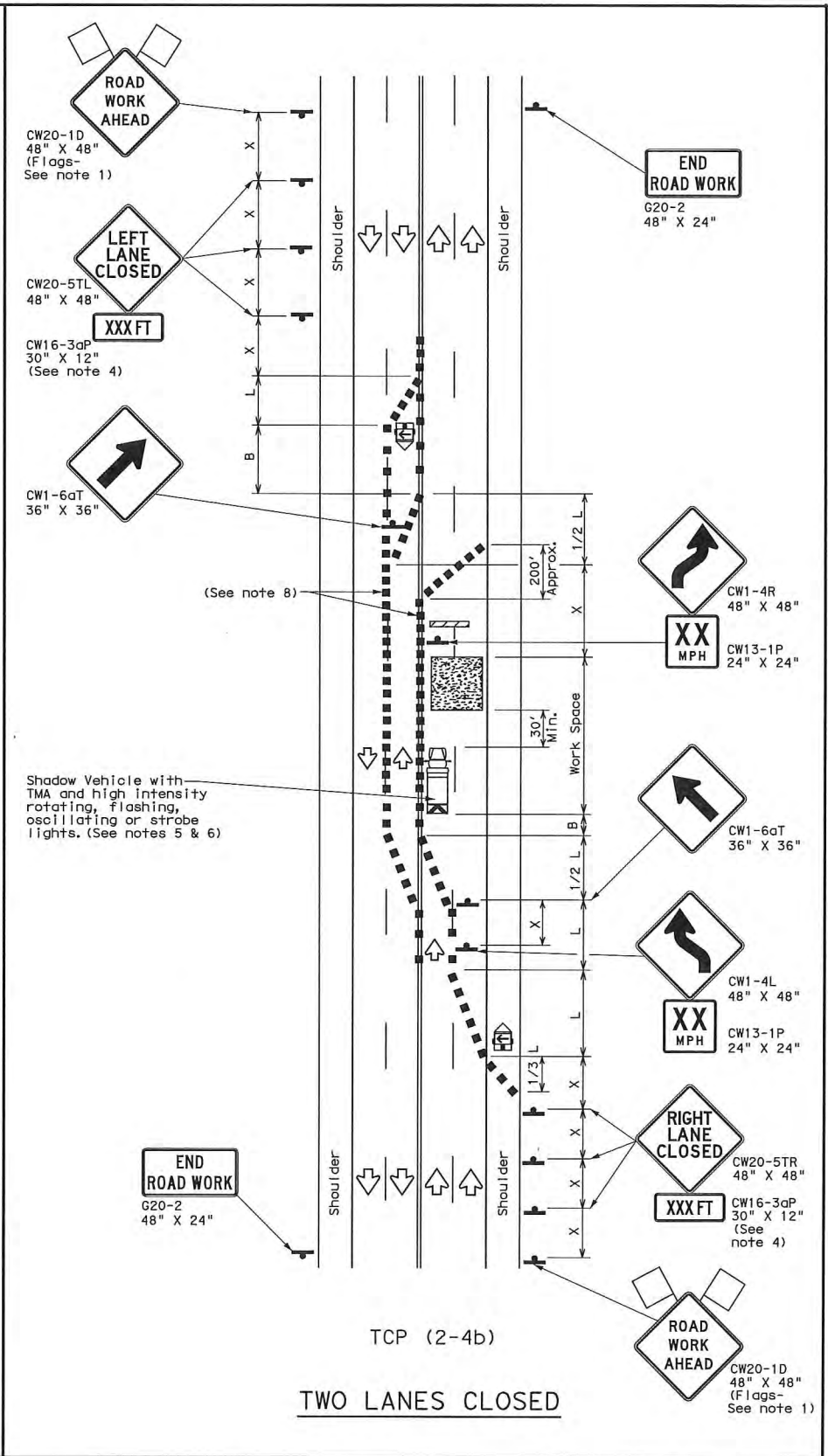
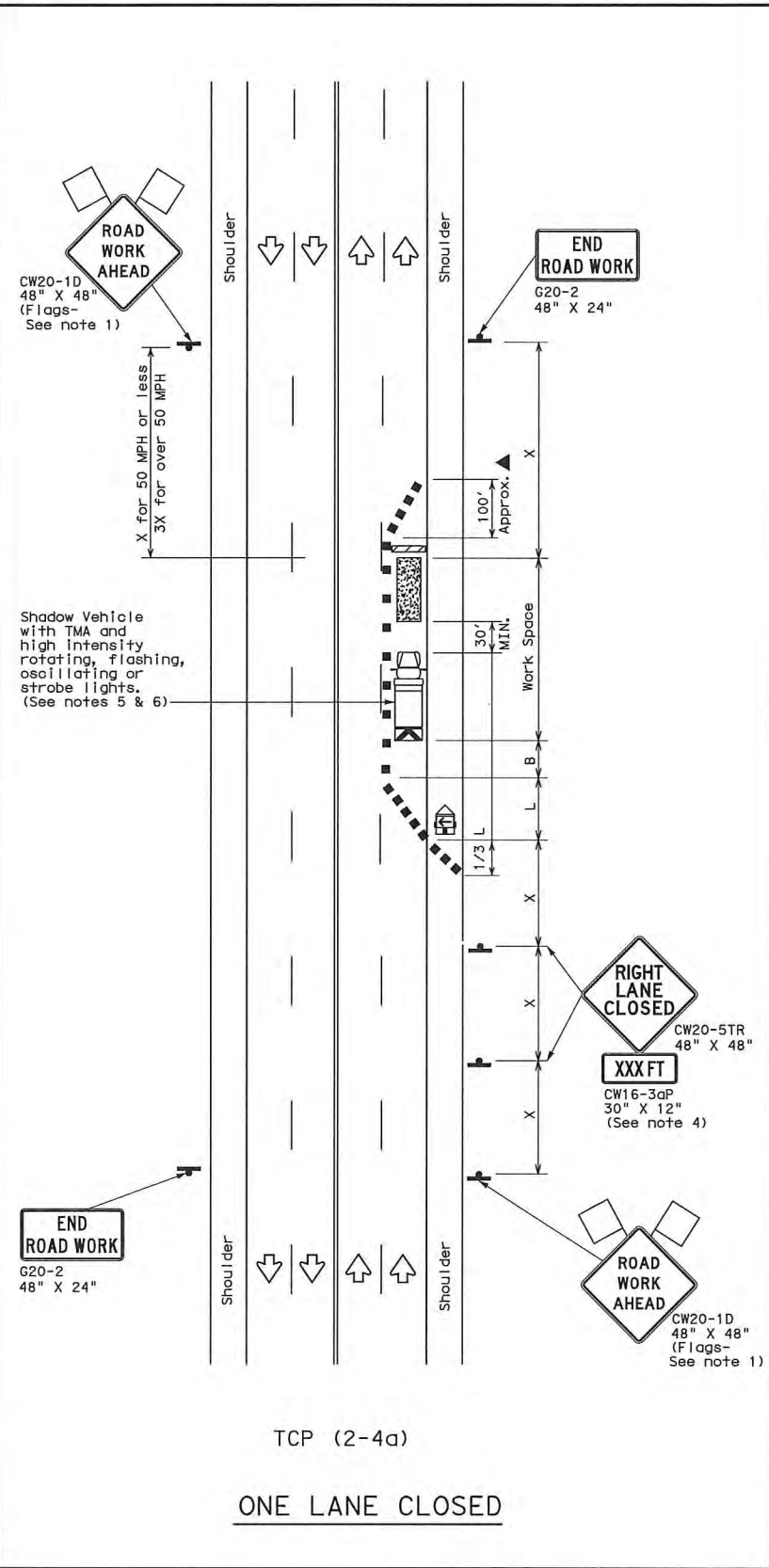
Dwg. No. 9567-EXHIBIT 1

20

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DATE: FILE:



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

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

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

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

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
 - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
 - The downstream taper is optional. When used, it should be 100 feet minimum length per lane.
 - For short term applications, when post mounted signs are not used, the distance legend may be shown on the sign face rather than on a CW16-3aP supplemental plaque.
 - A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
 - Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.
- TCP (2-4a)**
- If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic with the arrow board placed in the closed lane near the end of the merging taper.
- TCP (2-4b)**
- For shorter durations where traffic is directed over a yellow centerline, channelizing devices which separate two-way traffic should be spaced on tapers at 20' or 15' if posted speeds are 35 mph or slower, and for tangent sections, at 1/2(S) where S is the speed in mph. This tighter devices spacing is intended for the area of conflicting markings, not the entire work zone.

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, signs and Traffic Handling.

Texas Department of Transportation
Traffic Operations Division

**TRAFFIC CONTROL PLAN
LANE CLOSURES ON MULTILANE
CONVENTIONAL ROADS**

TCP (2-4) -12

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REVISIONS	CONT	SECT	JOB	HIGHWAY
8-95 2-12				
1-97				
4-98				
3-03				
	DIST	COUNTY	SHEET NO.	
			164	

REV.	REVISIONS	APPR.	DATE

OFFICE LOCATION :
4501 Goliath Rd.
Corpus Christi, Texas 78411
P.O. Box 3099
Corpus Christi, Texas 78463
(361)-814-9900

Drawn By: NV
Checked By: KM
Approved By: GO
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Date: 12-02-2015
Revision: -

**Naismith
Engineering, Inc.**
Tx. Registration No. F-000355

CORPUS CHRISTI REGIONAL
TRANSPORTATION AUTHORITY

**ADA BUS STOP IMPROVEMENTS
PHASE VI OCTOBER 2015**

TRAFFIC CONTROL PLAN (2-4)-12

**REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS**

DWG No. 9567-EXHIBIT 1

21

Sheet 21 Of 21