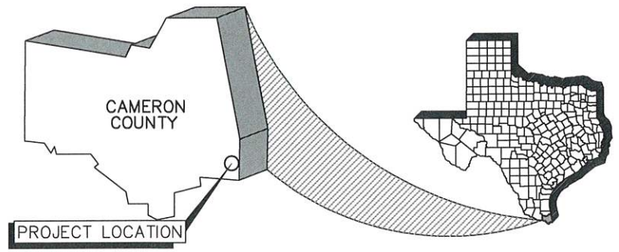
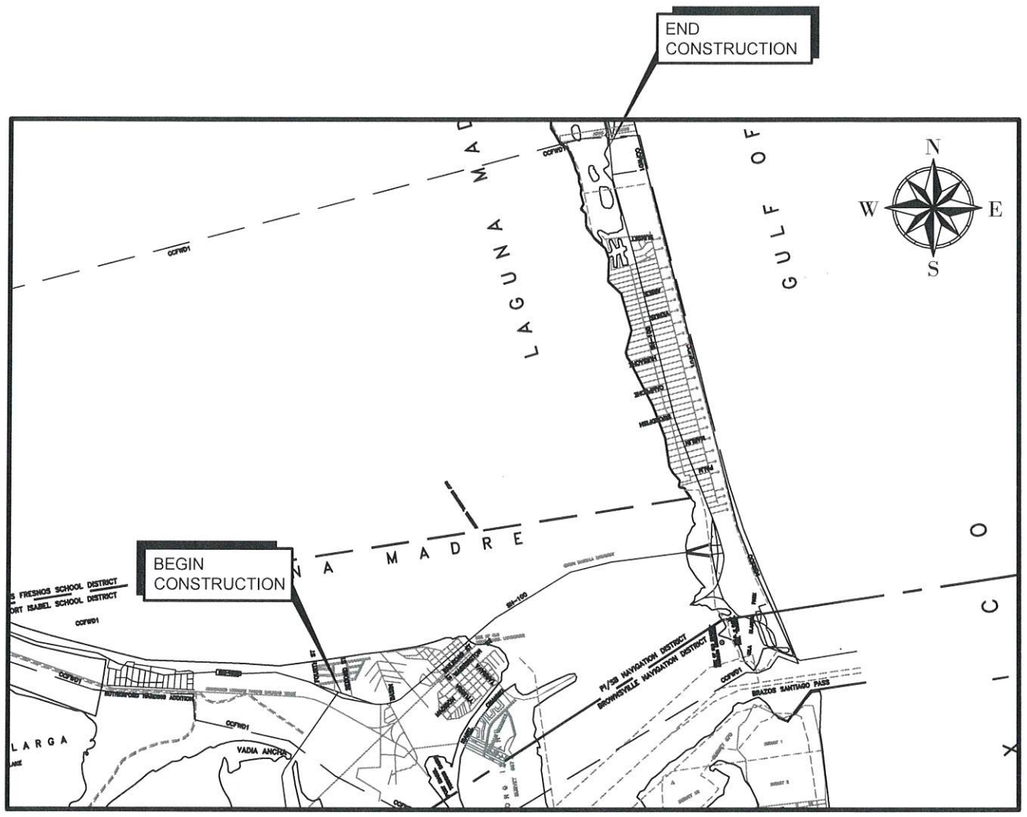
ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS

CAMERON COUNTY, TEXAS

CONSTRUCTION PLANS FOR SPI ISLAND METRO BUS SHELTER





VICINITY MAP
SCALE: NOT TO SCALE

COURT OF COMMISSIONERS

COUNTY JUDGE..... EDDIE TREVINO JR.
COMMISSIONER PCT.1... SOFIA C. BENAVIDES
COMMISSIONER PCT.2... JOEY LOPEZ
COMMISSIONER PCT.3... DAVID A. GARZA
COMMISSIONER PCT.4... GUS RUIZ

THE COUNTY OF HIDALGO TEXAS

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER

8/23/22

Nadia M. Lopez, P.E.

SAMES
SAM Engineering & Surveying
200 S. 10th St., Ste. 1500 TEL. (956)702-8880
McALLEN, TEXAS 78501 FAX: (956)702-8883

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PROFESSIONAL ENGINEER
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Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
SHEET INDEX

SHEET NUMBER:
C1.0

GENERAL NOTES:

1. THE FOLLOWING NOTES ARE GENERAL AND APPLY TO ALL SHEETS OF THESE CONTRACT DOCUMENTS AS IF THEY WERE WRITTEN IN THEIR ENTIRETY ON EACH SHEET.
2. ALL WORK DESCRIBED IN THE PLANS THAT IS NOT PAID FOR BY A SPECIFIC BID ITEM SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND THE COST OF SUCH ITEMS SHALL BE INCLUDED IN THE VARIOUS BID ITEMS OF THE PROJECT.
3. IN THE ABSENCE OF DETAILS OR SPECIFICATION IN THESE CONTRACT DOCUMENTS APPLICABLE DESIGN AND DETAILS SHALL CONFIRM TO THE GENERAL CONTRACT DOCUMENTS AND SPECIFICATIONS OF THE OWNER AND THE TxDOT. IF CONFLICT EXISTS, CONTACT ENGINEER FOR CLARIFICATION.
4. IT IS NOT GUARANTEED THAT ALL LINES OR STRUCTURES HAVE BEEN SHOWN ON THE PLANS, OR THAT THE LOCATIONS SHOWN ARE EXACT. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COMMUNICATE WITH THE LOCAL REPRESENTATIVES OF THE UTILITY COMPANIES AND ADVISE SUCH REPRESENTATIVES OF THE LOCATION OF THE PROPOSED CONSTRUCTION IS ORDER TO OBTAIN THE ASSISTANCE OF THE UTILITY COMPANIES IN THE LOCATION AND AVOIDANCE OF CONFLICTS WITH UTILITY LINES. THE CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGES TO ANY UTILITY.
5. THE CONTRACTOR SHALL PROVIDE AN ON SITE REPRESENTATIVE, SATISFACTORY TO THE OWNER AND ENGINEER, AVAILABLE AT ALL TIME (I.E., TWENTY–FOUR (24) HOURS PER DAY, SEVEN (7) DAYS PER WEEK). THE ON SITE REPRESENTATIVE SHALL BE STATIONED CLOSE ENOUGH TO BE ON THE SITE WITHIN 60 MINUTES OF NOTIFICATION, THE ON SITE REPRESENTATIVE SHALL HAVE FULL ACCESS TO ALL EQUIPMENT AND MATERIAL AND HAVE FULL AUTHORITY NECESSARY TO CORRECT ANY PROBLEMS, DEFICIENCIES, OR EMERGENCIES WHICH MAY ARISE DURING NON WORKING HOURS AND DURING THE ABSENCE OF THE SUPERINTENDENT.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL EXISTING UTILITIES IN SERVICE DURING CONSTRUCTION. IF A UTILITY MUST BE ADJUSTED, THE SERVICE TO EXISTING FACILITIES ARE NOT TO BE INTERRUPTED DURING BUSINESS HOURS. THE CONTRACTOR IS TO COORDINATE THE CONSTRUCTION SCHEDULE WITH THE OWNER.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS INCLUDING LOCATION AND DIMENSIONS OF ALL EXISTING CONSTRUCTION AND UTILITIES. CONTRACTOR SHALL NOTIFY ENGINEER IF THERE IS A CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONSTRUCTION BEFORE PROCEEDING WITH THE WORK.
8. CONTRACTOR TO LIMIT CONSTRUCTION AREA TO WITHIN PLATTED STREETS, ALLEYS, AND EASEMENTS. CONTRACTOR TO MAKE ARRANGEMENTS WITH ADJACENT LAND OWNERS TO GAIN ACCESS TO ADJACENT PROPERTY.
9. CONFLICTING TREES AND BUSHES SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AFTER APPROVAL FROM CITY AND/OR ENGINEER. TREES, BUSHES, OR OTHER VEGETATION REMOVED WITHOUT APPROVAL WILL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
10. THE BASIS OF ELEVATION FOR THIS PROJECT ARE (0) UGC MARKER MONUMENTS DESIGNATED:
    10.1. LOCAL BENCHMARKS ARE SHOWN ON THE PLANS AND THE RELATIVE ELEVATIONS ARE TO BE VERIFIED PRIOR TO PROCEEDING WITH THE WORK. IF A DISCREPANCY EXISTS, CONTACT THE ENGINEER PRIOR TO BEGGING WORK.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING. CONTRACTOR SHALL NOTIFY THE ENGINEER FOR ANY CONFLICTS PRIOR TO BEGINNING REMOVALS AND CONSTRUCTION.
12. CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM SHELTERS, PAVED AREAS AND DRAINAGE WAYS. IF THERE IS A CONFLICT BETWEEN THE ELEVATIONS SHOWN ON THE PLANS AND THE EXISTING ELEVATIONS, CONTRACTOR SHALL CONTACT ENGINEER FOR REVIEW AND CLARIFICATION BEFORE REMOVING AND BEGINNING CONSTRUCTION.
13. ELEVATIONS SHOWN AS TIE–INS INDICATE CONTRACTOR IS TO VERIFY ELEVATION BEFORE BEGINNING WORK AND IF ELEVATION DIFFERS FROM THAT SHOWN, CONTRACTOR IS TO CONTACT THE ENGINEER FOR GRADE ADJUSTMENTS PRIOR TO BEGINNING WORK.
14. CONTRACTOR IS TO CONTACT ENGINEER FOR CLARIFICATION IF A DISCREPANCY EXISTS BETWEEN SPOT ELEVATION(S) AND CONTOUR LINE PRIOR TO CONSTRUCTING AND GRADING THE FEATURE NOTED OR RELATED FEATURES.
15. DIMENSIONS SHOWN AS TIE–INS INDICATE CONTRACTOR IS TO VERIFY LOCATION BEFORE BEGINNING WORK AND IF LOCATION DIFFERS FROM THAT SHOWN, CONTRACTOR IS TO CONTACT THE ENGINEER FOR ALIGNMENT ADJUSTMENTS PRIOR TO BEGINNING WORK.
16. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNS AND BARRICADES WHEN WORKING IN PUBLIC RIGHT–OF–WAY. THE SIGNS AND BARRICADES SHALL COMPLY WITH THE "TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES". LATEST REVISIONS, AND WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND THE COST IS TO BE INCLUDED IN THE VARIOUS BID ITEMS, UNLESS OTHERWISE SHOWN IN THE PROPOSAL.
17. ALL EXISTING PAVEMENTS (VEHICULAR AND PEDESTRIAN) SHALL BE SAWCUT AT THE INTERFACE WITH NEW PAVEMENT.
18. EXISTING IMPROVEMENTS INCLUDING, BUT NOT LIMITED TO STRUCTURES, FENCES, DRIVEWAYS, SIDEWALKS, PAVEMENT, CURBS, UTILITIES, PIPELINES, AND DRAINAGE STRUCTURES WHICH ARE DAMAGED, REMOVED, OR ALTERED TO PERMIT INSTALLATION OF THE WORK SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE, IN THE SAME LOCATION. AND IN CONDITION AS GOOD AS OR BETTER THAN THEY WERE FOUND.
19. THE CONTRACTOR SHALL REMOVE FROM THE PROJECT AREA ALL SURPLUS MATERIAL. THIS SHALL BE INCIDENTAL AND NOT A SEPARATE PAY ITEM. SURPLUS MATERIALS FROM EXCAVATION INCLUDING DIRT, TRASH, ETC. SHALL BE PROPERLY DISPOSED OF IN ACCORDANCE WITH APPLICATION REGULATIONS.
20. THE INSTALLATION, INSPECTION AND MAINTENANCE OF THE EROSION PREVENTION MEASURES SHALL BE THE CONTRACTOR'S RESPONSIBILITY THROUGH OUT ALL PHASES OF CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE TCEQ'S REGULATIONS CONCERNING EROSION AND SEDIMENT CONTROL.
21. WATER VALVE BOXES AND COVERS, MANHOLE TOPS AND SANITARY SEWER MANHOLES ENCOUNTERED WITHIN THE PAVEMENT AREA (WHETHER SHOWN ON THE PLANS OR NOT) ARE TO BE ADJUSTED TO MATCH FINAL PAVEMENT GRADE.
22. THE CONTRACTOR SHALL TAKE SPECIAL PRECAUTIONS IN THE VICINITY OF OVERHEAD AND UNDERGROUND ELECTRIC LINES. CONTRACTOR SHALL ABIDE BY NATIONAL ELECTRIC CODE AND ANY REQUIREMENT BY OWNER OF ELECTRIC LINES. CONTRACTOR TO INSURE ALL POLES ARE SECURE DURING AND SUBSEQUENT TO PLACEMENT OF PROPOSED FACILITIES.
23. NEW SIDEWALKS AND ACCESSIBLE ROUTES TO BE CONSTRUCTED WITH SLOPES LESS THAN 8.3% IN DIRECTION OF TRAVEL AND LESS THAN 2% CROSS SLOPE. IF DISCREPANCY EXISTS, CONTACT ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
24. NEW RAMPS TO BE CONSTRUCTED WITH SLOPES LESS THAN 8.33% SLOPE IN DIRECTION OF TRAVEL, LESS THAN 2% CROSS SLOPE, AND NO MORE THAN 0.50 FOOT RISE. IF DISCREPANCY EXISTS, CONTACT ENGINEER FOR CLARIFICATION PRIOR TO CONSTRUCTION.
25. MATERIALS CERTIFICATION AND TESTING CONTRACTOR SHALL PROVIDE SUPPLIERS' CERTIFICATIONS FOR ALL PROJECT MATERIALS (CONCRETE, BASE MATERIAL, HOT MIX, ETC.)., THAT SUCH MATERIALS DO MEET PROJECT SPECIFICATIONS PRIOR TO DELIVERY ON–SITE. PROVIDE ALL ON–SITE TESTING OF MATERIALS SHOWING COMPLIANCE WITH THE SPECIFICATIONS.
26. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY/ALL PERMITS AND TO PAY ALL PERMIT FEES.
27. THE CONSTRUCTION CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, SEQUENCE, PROCEDURES, TECHNIQUES OR SCHEDULING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONSTRUCTION CONTRACTOR SHALL ALSO BE SOLELY RESPONSIBLE FOR SAFETY IN OR ABOUT THE JOB SITE IN ACCORDANCE WITH ANY HEALTH OR SAFETY PRECAUTIONS, REGULATIONS, STANDARDS OR CODES REQUIRED BY O.S.H.A. OR ANY OTHER REGULATORY AGENCY.

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS
PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
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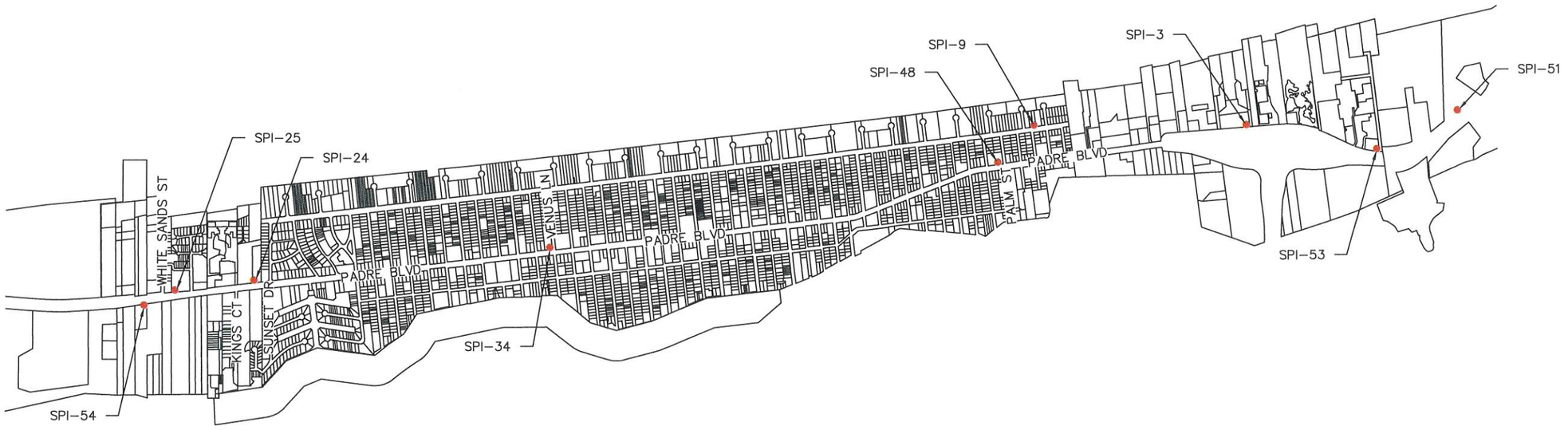
SCALE:	AS NOTED

SHEET NAME:
GENERAL NOTES

SHEET NUMBER:
C1.1



N E S W

SCALE: NOT TO SCALE

LEGEND		
SITE NUMBER	DESCRIPTION	BUS SHELTER SIZE
SPI-3	410 PLAZA	6'X8'
SPI-9	PADRE SOUTH	NA
SPI-24	TOMPKINS PARK	6'X8'
SPI-25	HOLIDAY INN	6'X8'
SPI-34	BEST WESTERN	6'X8'
SPI-48	DADDY'S	6'X8'
SPI-51	ISLA BLANCA PARK ENTRANCE	6'X8'
SPI-53	SOUTH PALACE	6'X8'
SPI-54	SEA TURTLE INC.	6'X8'

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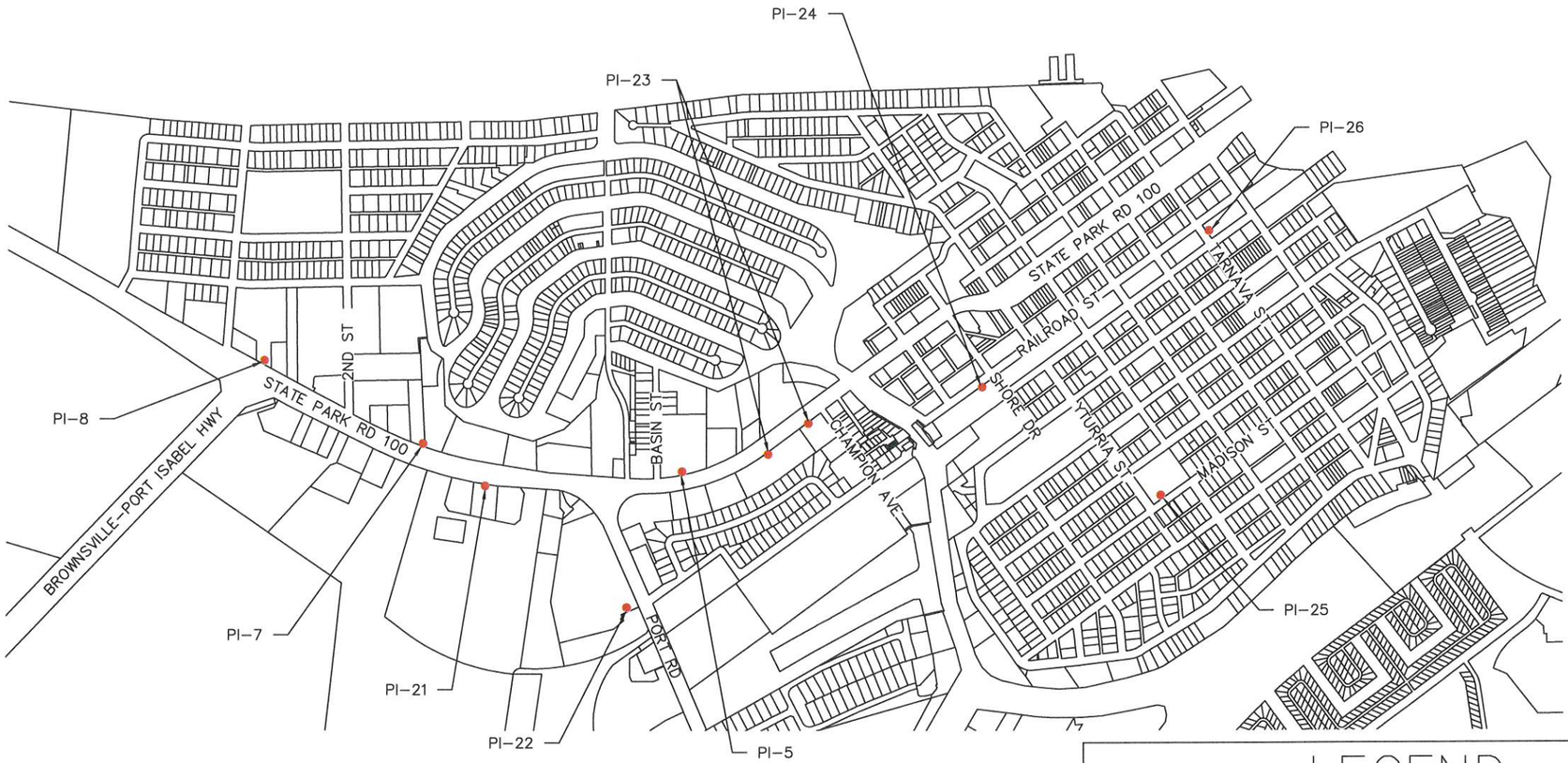
SHEET NAME:

OVERALL SITE PLAN SPI

SHEET NUMBER:

C1.2



N

W E

S

SCALE: NOT TO SCALE

LEGEND		
SITE NUMBER	DESCRIPTION	BUS SHELTER SIZE
PI–5	BASIN STREET	6'X8'
PI–7	SALT LIFE	6'X8'
PI–8	LAS PALMAS SHOPPING CENTER	6'X12'
PI–21	WALMART	6'X8'
PI–22	LAGUNA MADRE YOUTH CENTER	6'X8'
PI–23	CAMERON COUNTY ANNEX	6'X8'
PI–23	CAMERON COUNTY ANNEX	NA
PI–24	RAILROAD STREET	6'X8'
PI–25	WASHINGTON PARK	6'X8'
PI–26	MUSEUM	6'X8'

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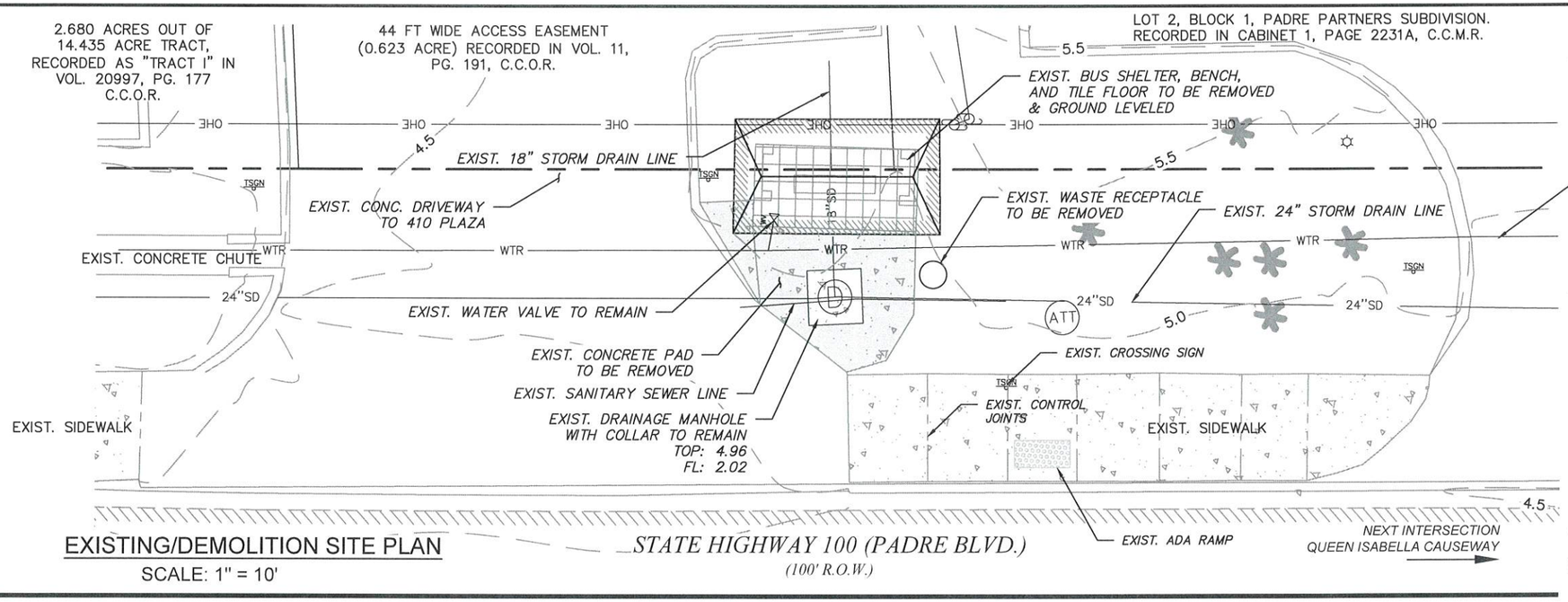
SHEET NAME:

OVERALL SITE PLAN
PI

SHEET NUMBER:

C1.3

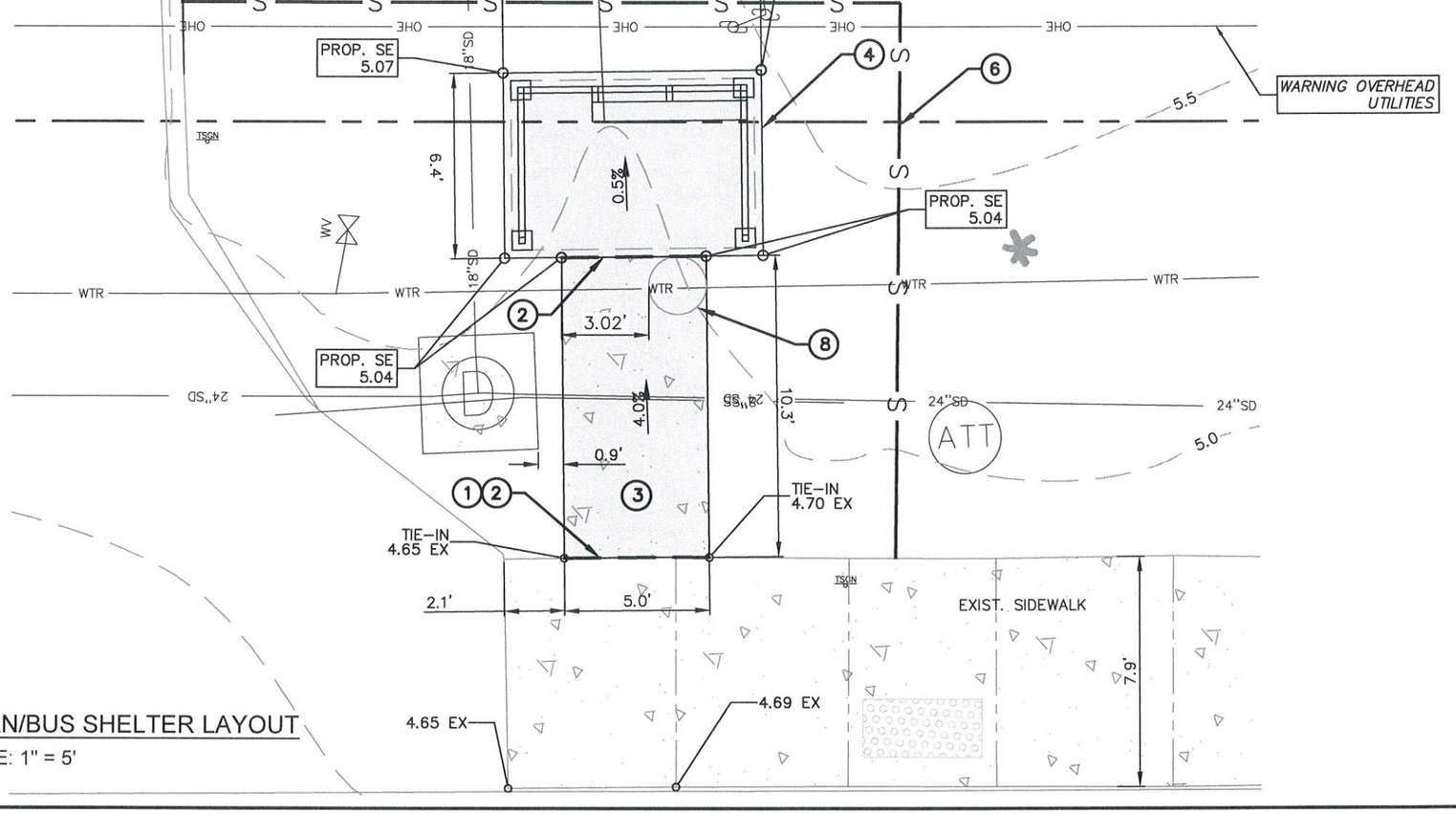


EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——---—— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. 6 S.Y. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 44 L.F. SILT FENCE
7. PROP. INLET PROTECTION
8. PROP. CONC. WASTE RECEPTACLE

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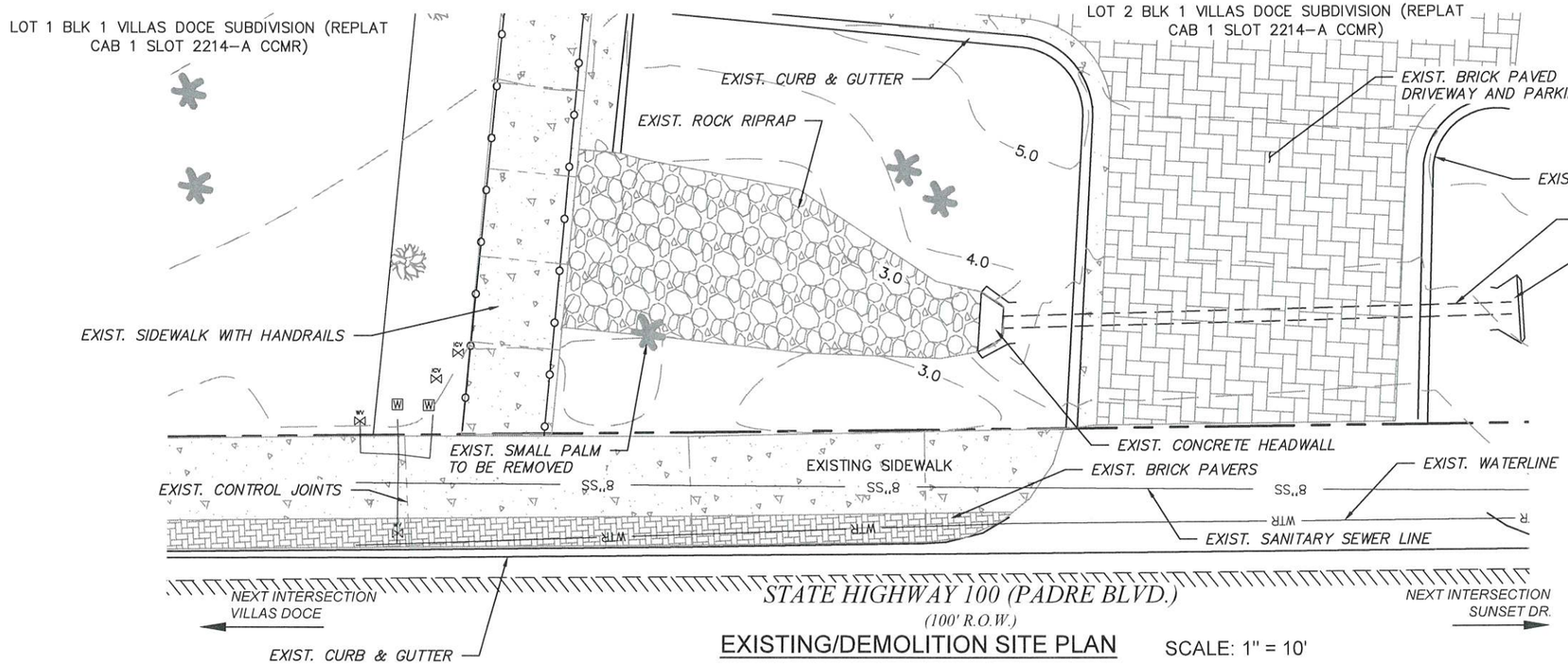
SHEET NAME:

BUS SHELTER LAYOUT SPI-3 410 PLAZA

SHEET NUMBER:

C2.0



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
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- SAN. SEWER MANHOLE
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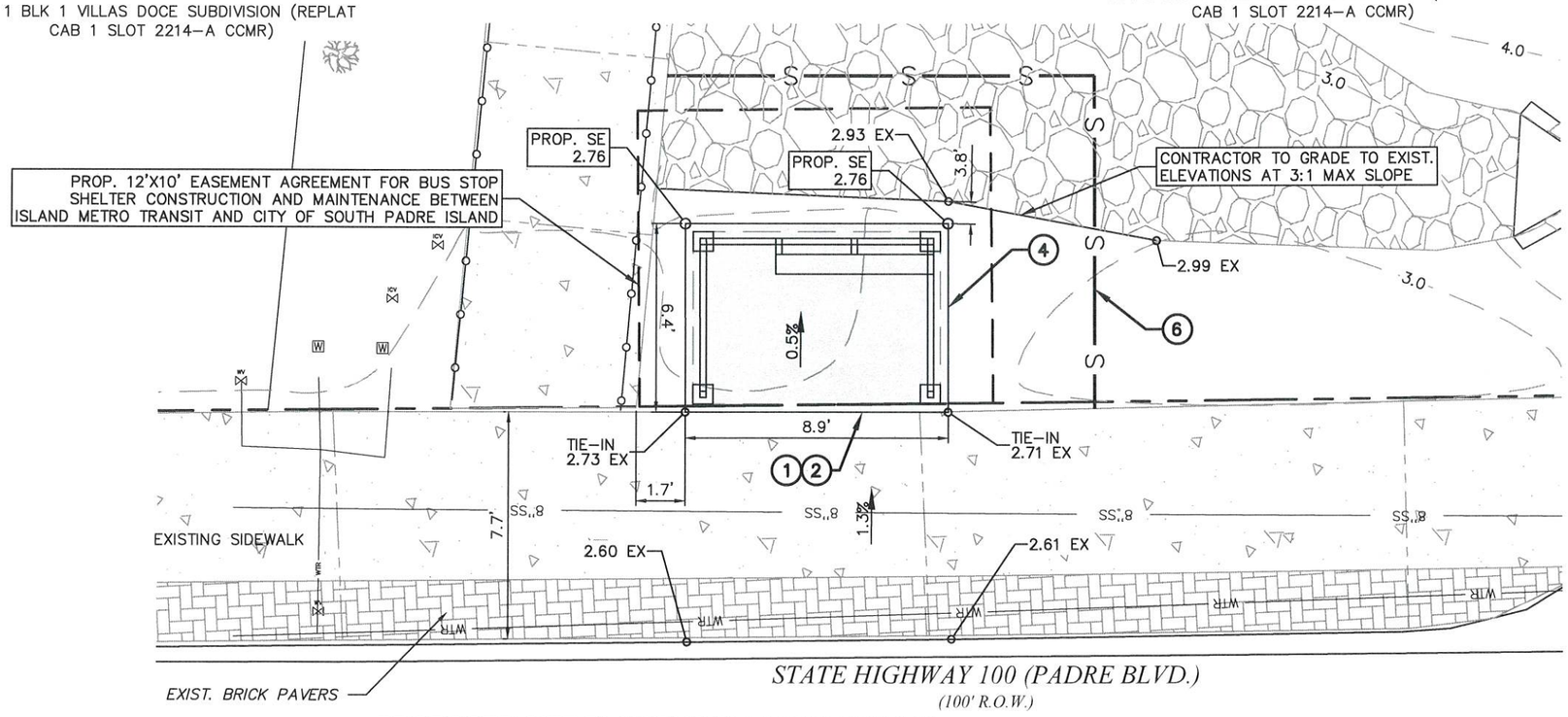

PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 26 L.F. SILT FENCE
- (7) PROP. INLET PROTECTION

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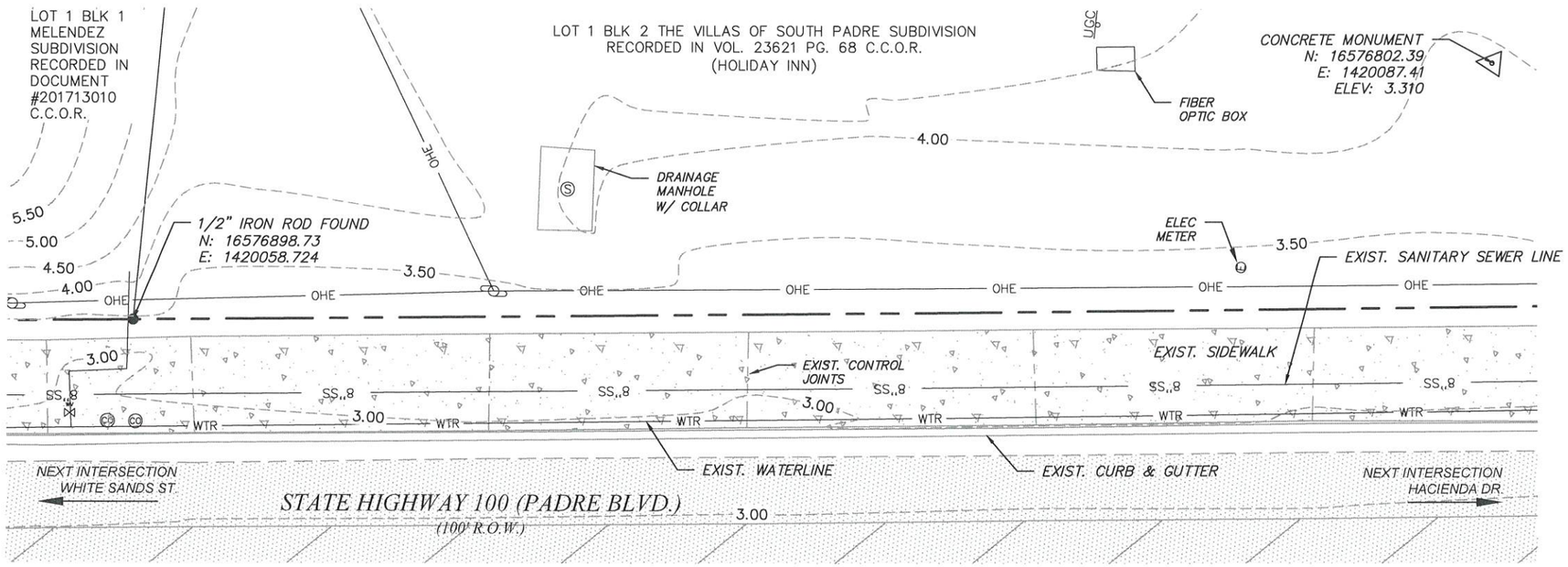
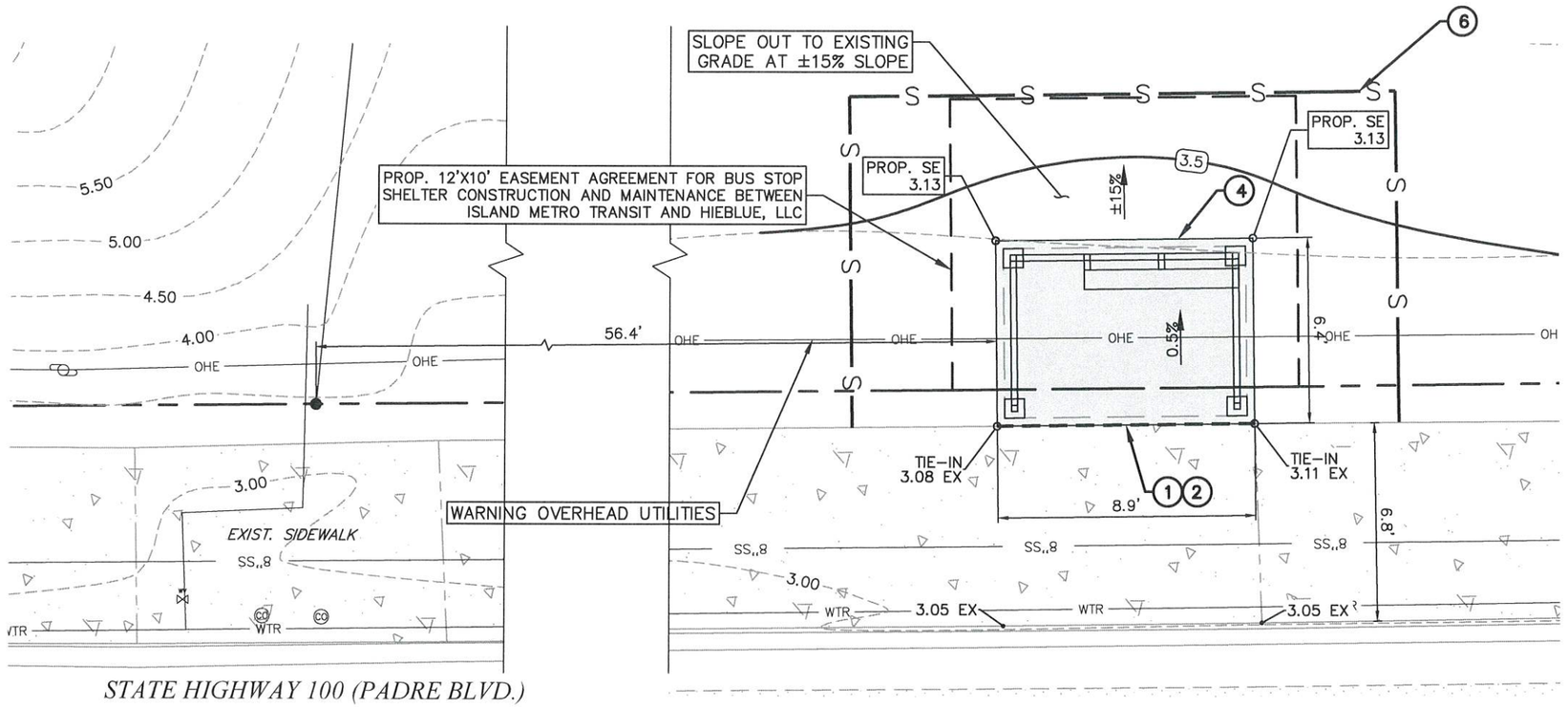
SHEET NAME:
BUS SHELTER LAYOUT SPI-24 TOMPKINS PARK

SHEET NUMBER:
C2.1



EXISTING / DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN / BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
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- TREE
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- WV WATER VALVE
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- EXIST. EXISTING
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PROPOSED LEGEND

PROP. – PROPOSED
TC – TOP OF CONCRETE
SE – SPOT ELEVATION
EX – EXISTING

- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 42 L.F. SILT FENCE
7. PROP. INLET PROTECTION

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PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

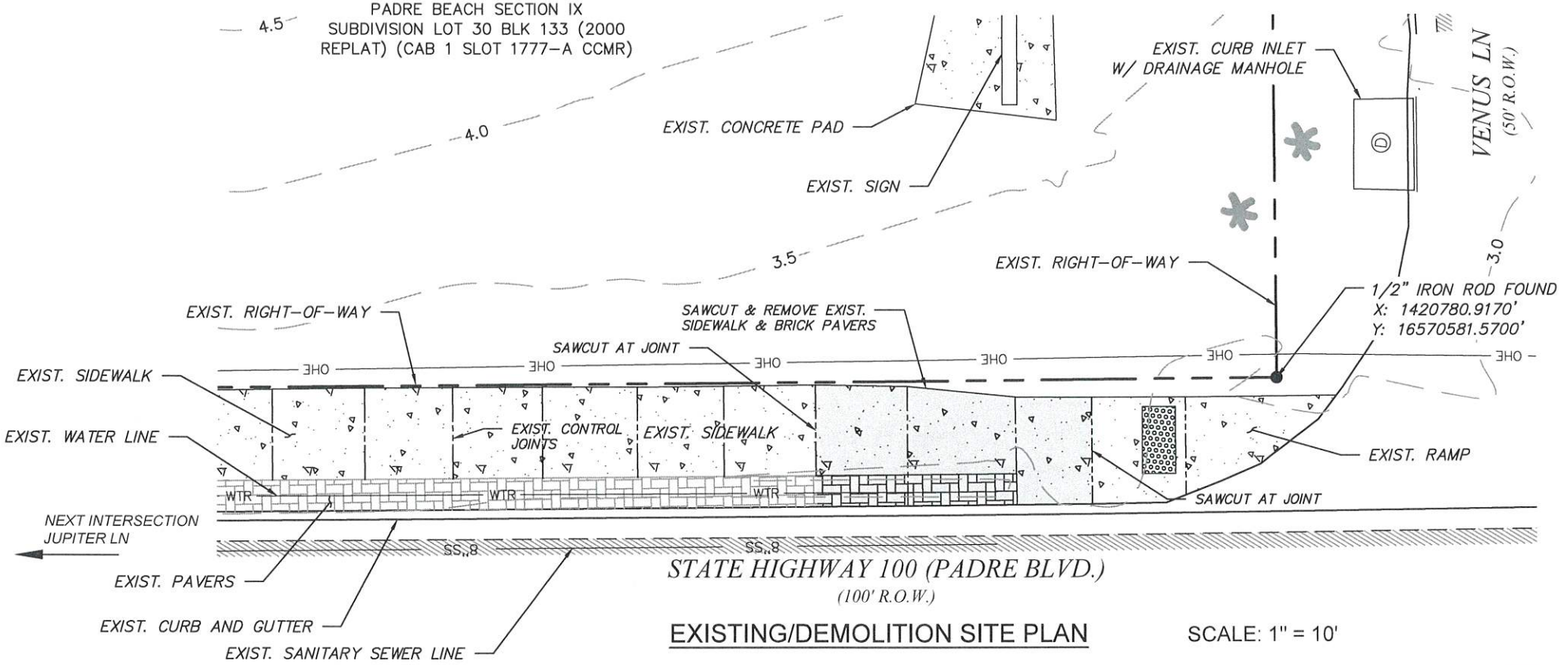
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER
LAYOUT SPI-25
HOLIDAY INN

SHEET NUMBER:

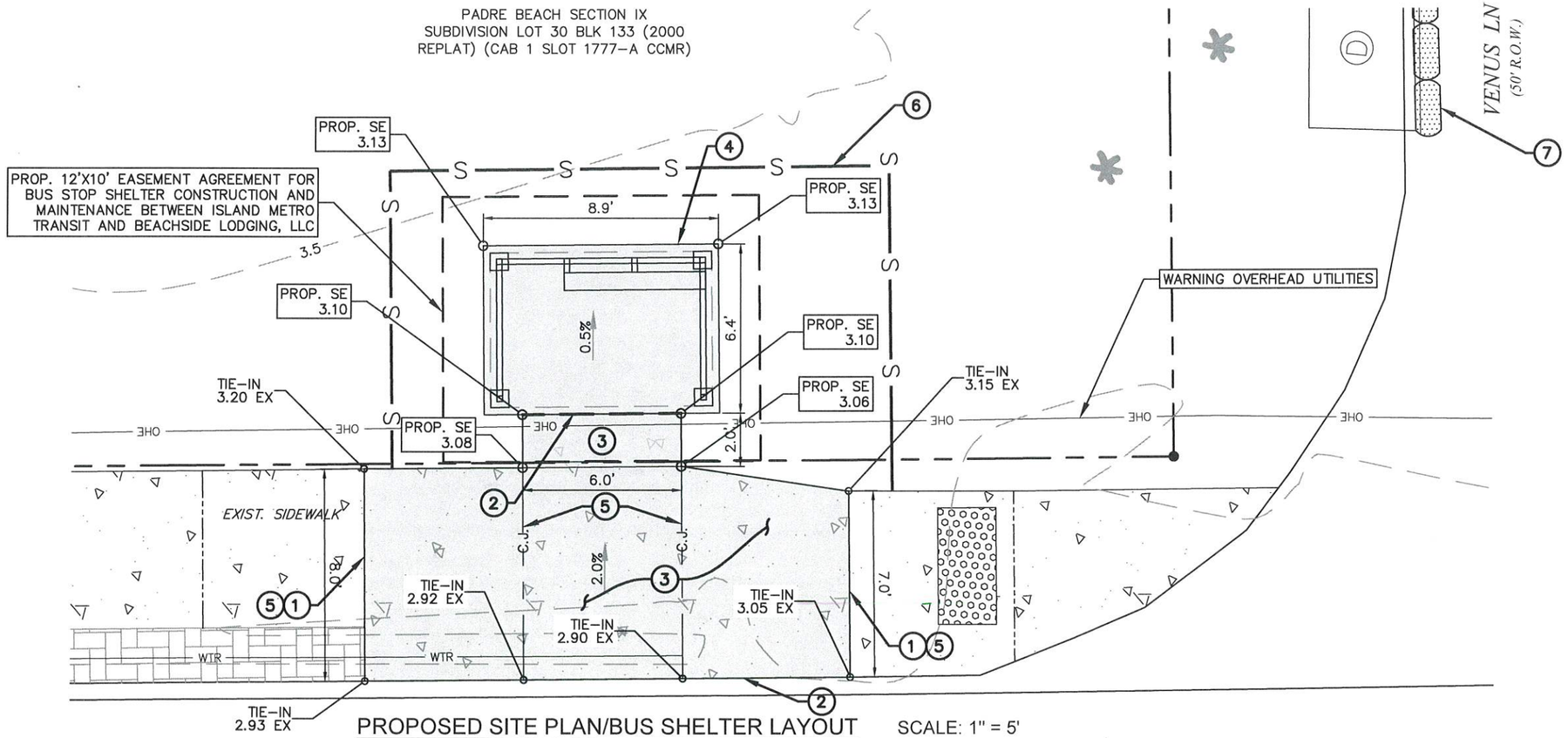
C2.2



EXISTING/DEMOLITION SITE PLAN SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WV WATER VALVE
- W WATER METER
- FV FLUSH VALVE
- ICV IRRIG. CONTROL VALVE
- S SAN. SEWER MANHOLE
- CO SAN. SEWER CLEANOUT
- ATT ATT MANHOLE
- WTR WATER LINE
- SS SANITARY SEWER LINE
- ATT ATT UNDER GROUND LINE
- OHE OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- 3.00 EXISTING CONTOUR
- R.O.W./PROPERTY LINE
- SD STORM DRAIN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT SCALE: 1" = 5'

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- 103 – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. 17 S.Y. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 42 L.F. SILT FENCE
7. PROP. CURB INLET PROTECTION

STATE OF TEXAS 8/23/22
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

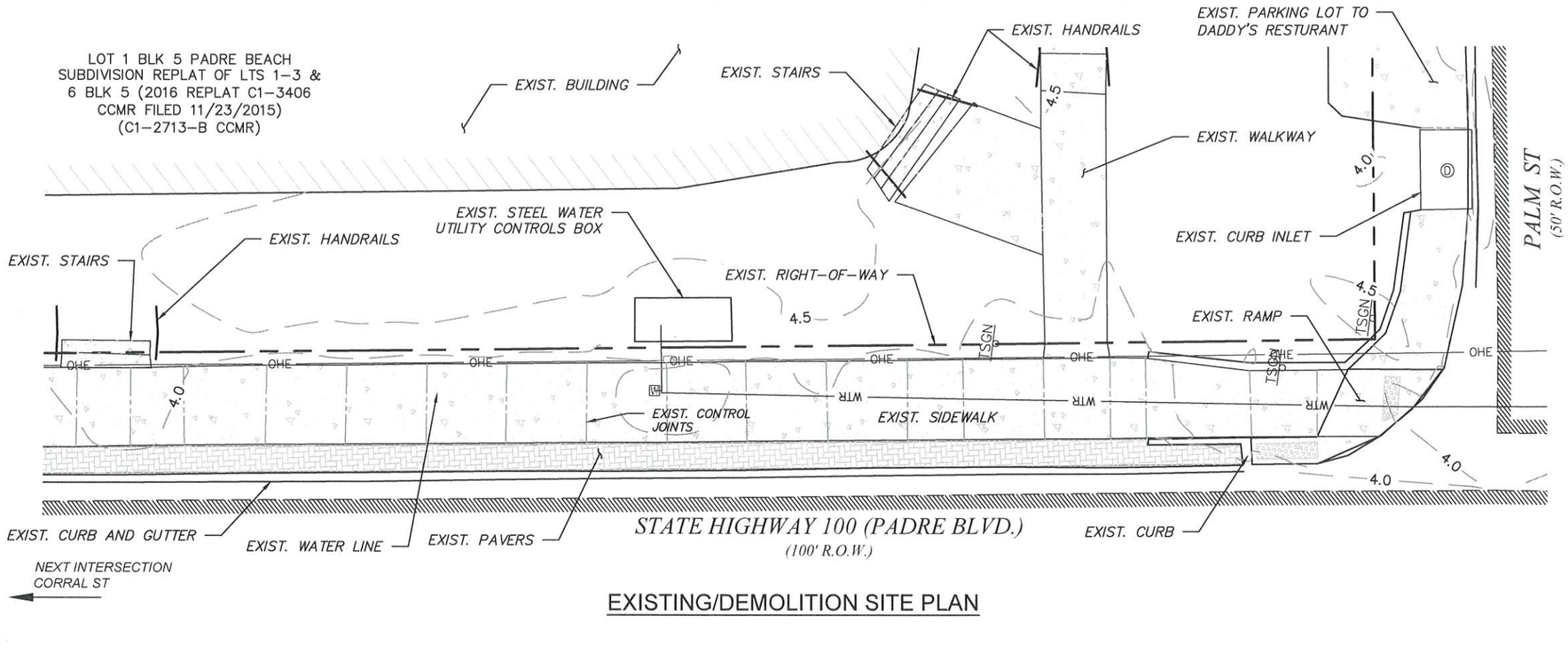
REVISIONS

REV.	DESCRIPTION	DATE

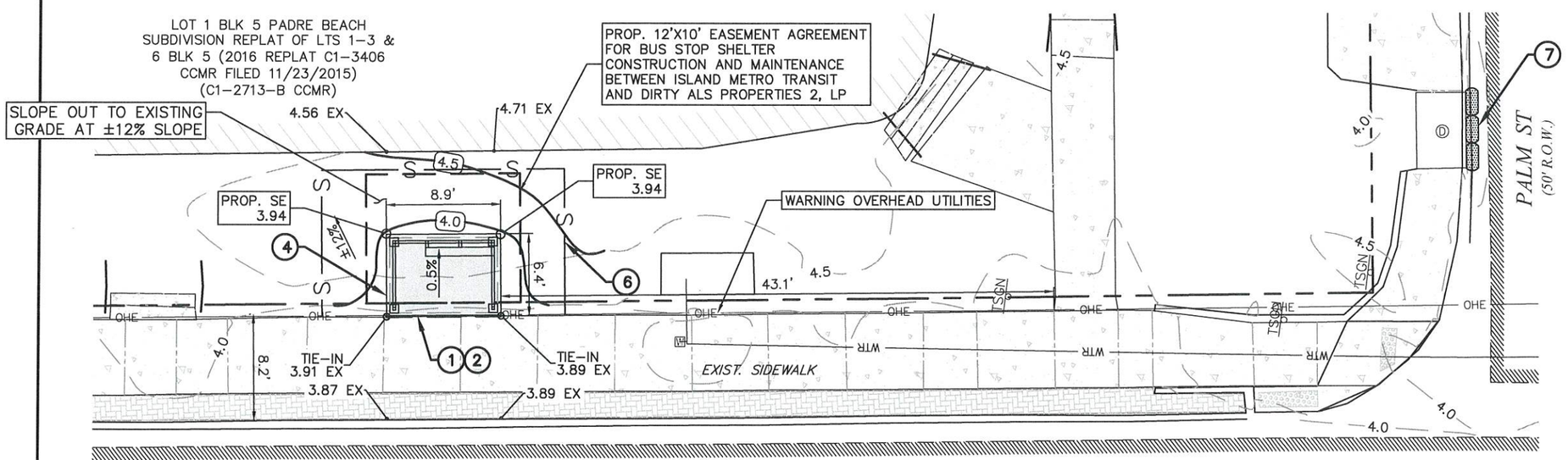
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
BUS SHELTER LAYOUT SPI-34 BEST WESTERN

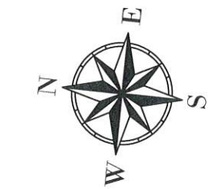
SHEET NUMBER:
C2.3



EXISTING/DEMOLITION SITE PLAN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT



SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- (103) – PROPOSED SPOT ELEVATION
- 1.0% → – PROPOSED PERCENT GRADE
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 42 L.F. SILT FENCE
- (7) PROP. CURB INLET PROTECTION

SAMES
SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500 TEL: (956) 702-8880
McALLEN, TEXAS 78501 FAX: (956) 702-8883
REGISTRATION # F-10602 SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

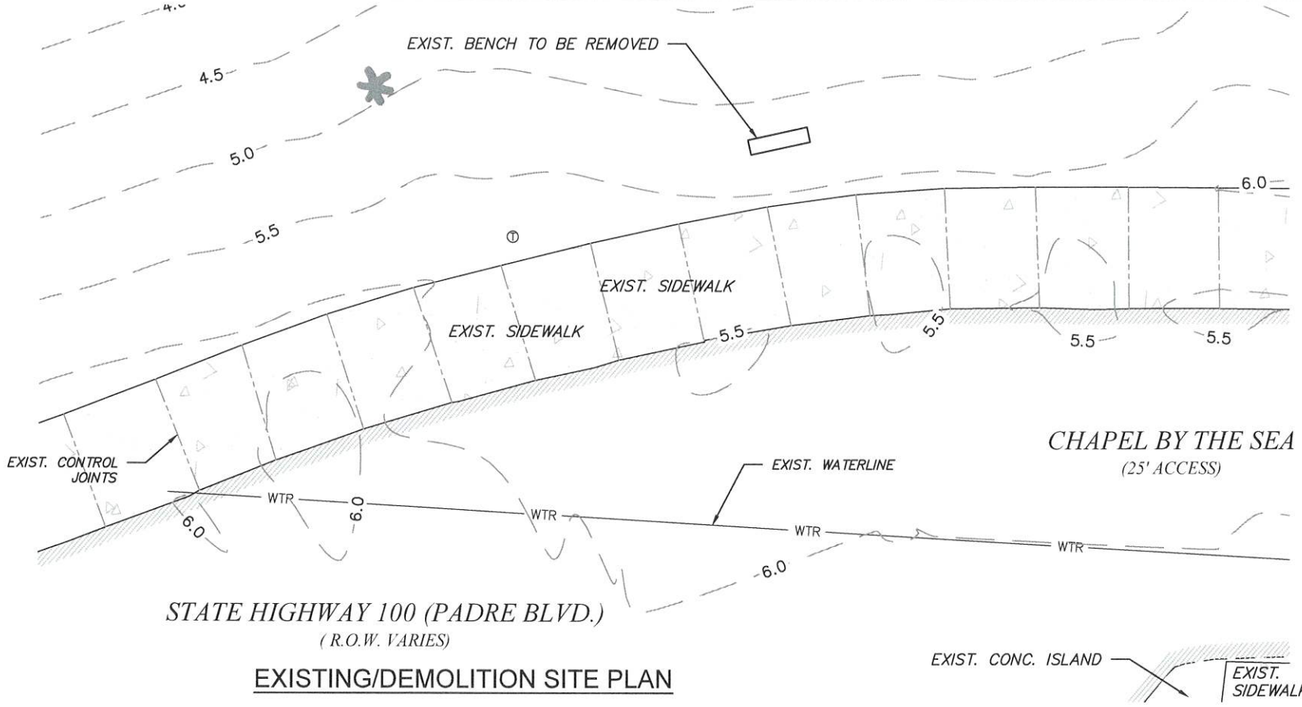
REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

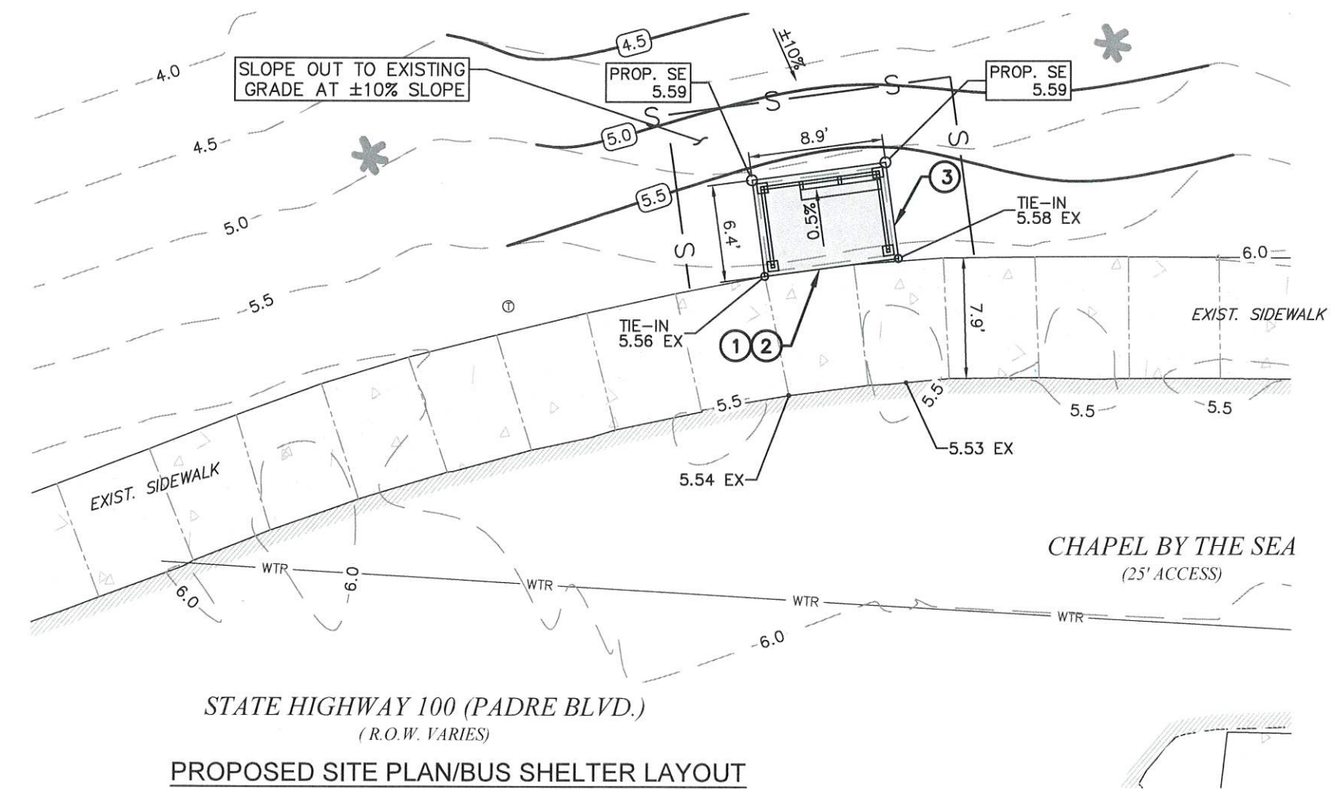
STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SHEET NAME:
BUS SHELTER LAYOUT SPI-48 DADDY'S

SHEET NUMBER:
C2.4



EXISTING/DEMOLITION SITE PLAN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC. UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. NG — EXISTING NATURAL GROUND
- EX — EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——---—— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- (103) – PROPOSED SPOT ELEVATION
- 1.0% ▶ – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 42 L.F. SILT FENCE
7. PROP. INLET PROTECTION

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

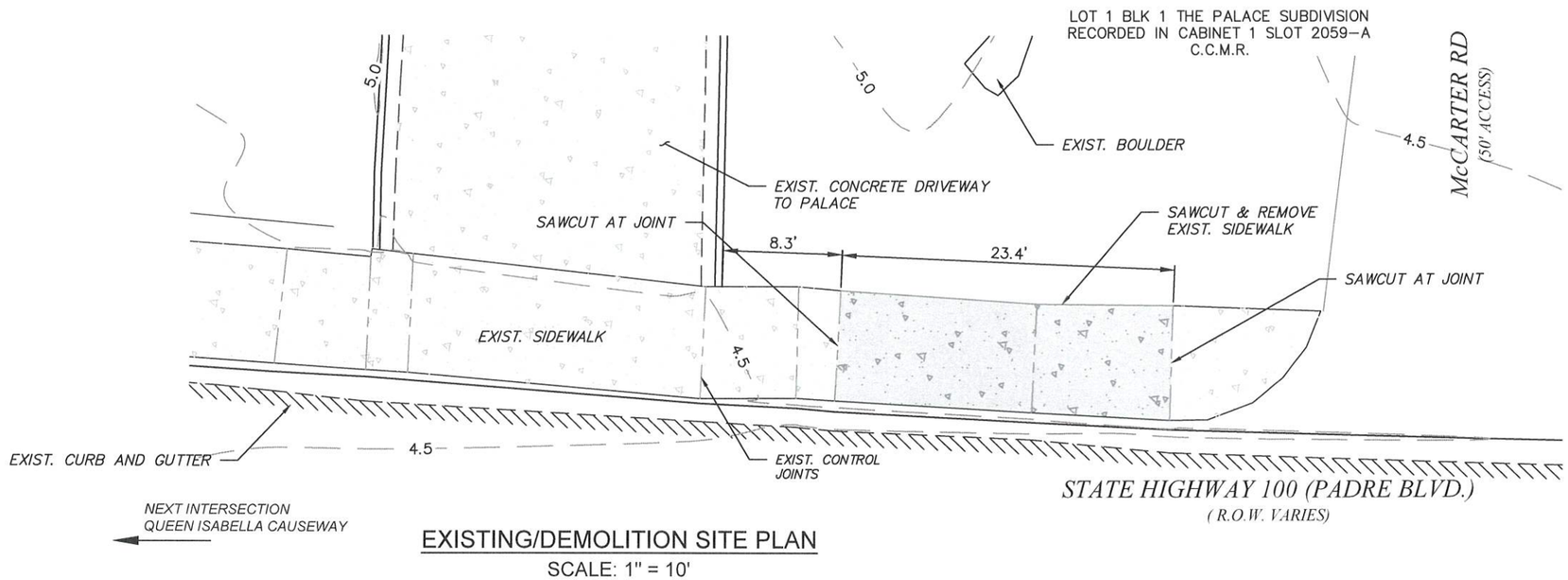
REV.	DESCRIPTION	DATE

This Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this Engineer, and this Engineer expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

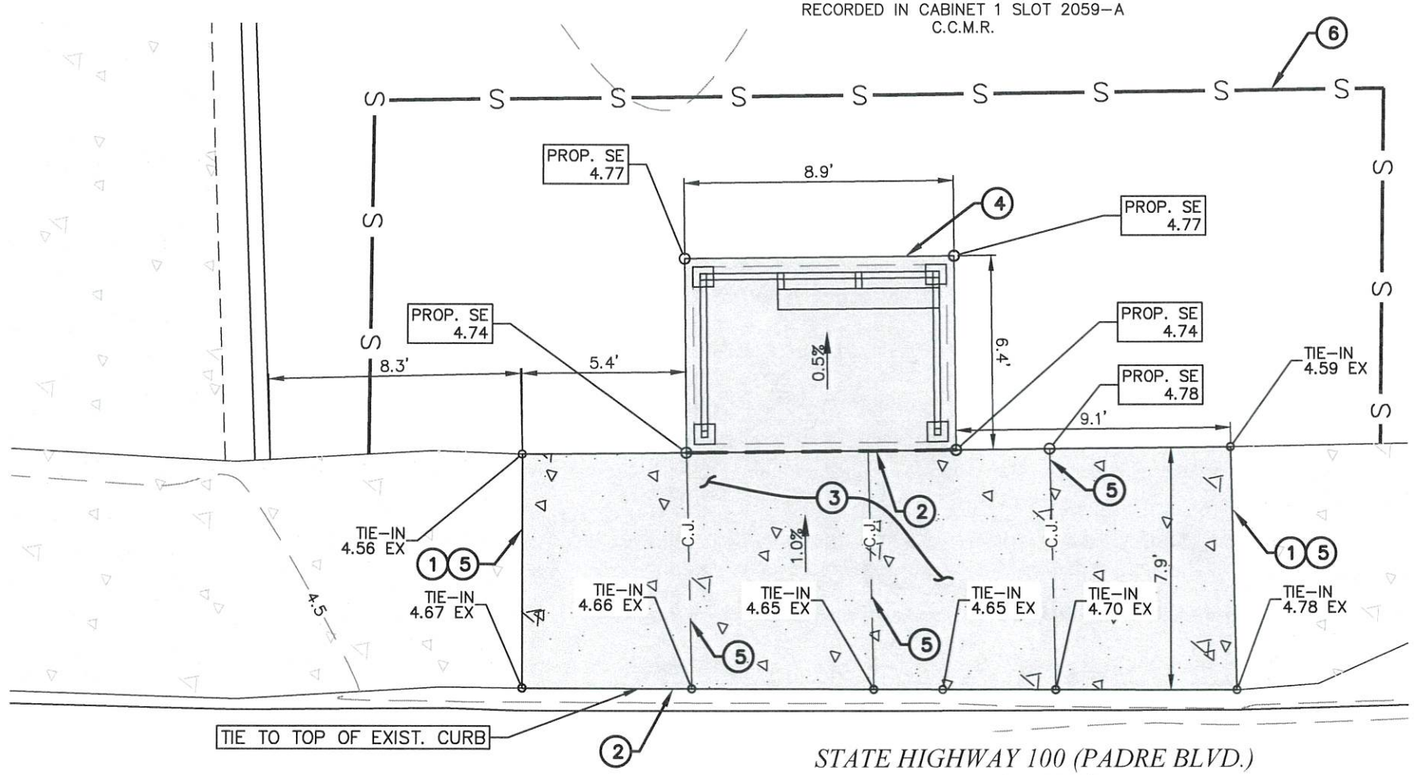
SHEET NAME:
BUS SHELTER LAYOUT SPI-51 ISLA BLANCA PARK ENTRANCE

SHEET NUMBER:
C2.5



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——---—— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. 20 S.Y. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 57 L.F. SILT FENCE
7. PROP. INLET PROTECTION

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

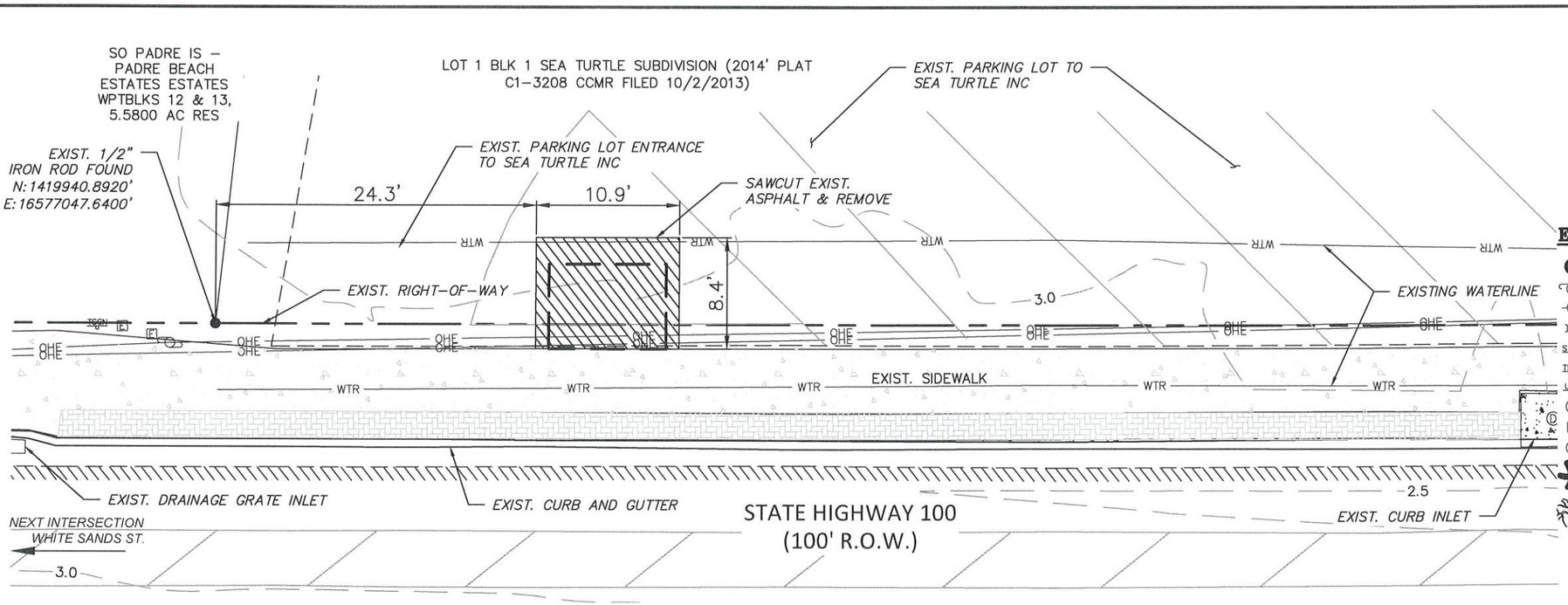
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER
LAYOUT SPI-53
SOUTH PALACE

SHEET NUMBER:

C2.6

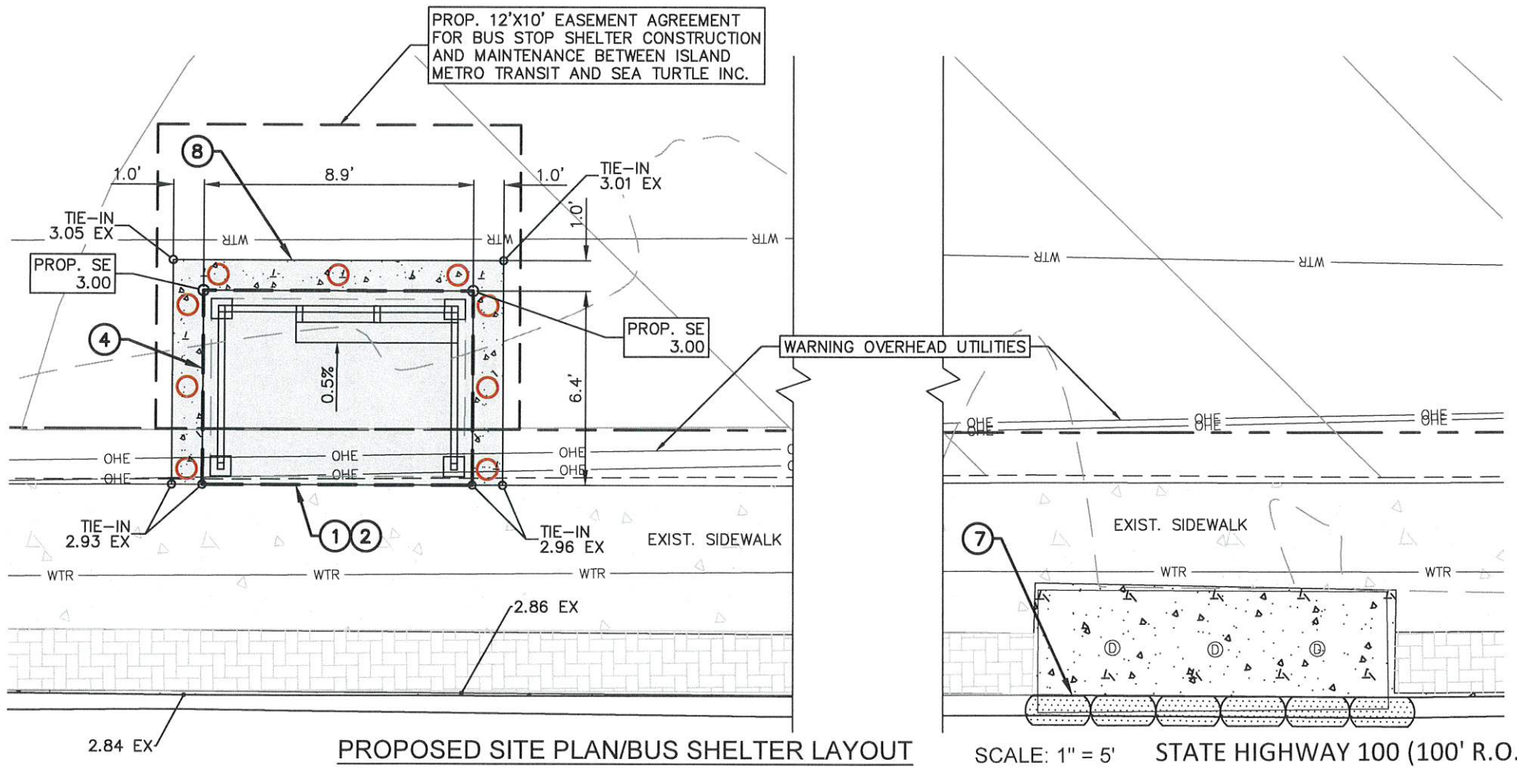


EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- WTR — WATER LINE
- SS — SANITARY SEWER LINE
- ATT — ATT UNDER GROUND LINE
- OHE — OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- 3.00 — EXISTING CONTOUR
- R.O.W./PROPERTY LINE
- SD — STORM DRAIN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

STATE HIGHWAY 100 (100' R.O.W.)

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- (103) – PROPOSED SPOT ELEVATION
- – PROPOSED 4" BOLLARD
- 1.0% → – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. SILT FENCE
7. PROP. CURB INLET PROTECTION
8. PROP. 1.0' CONC. PAVEMENT

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10802
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

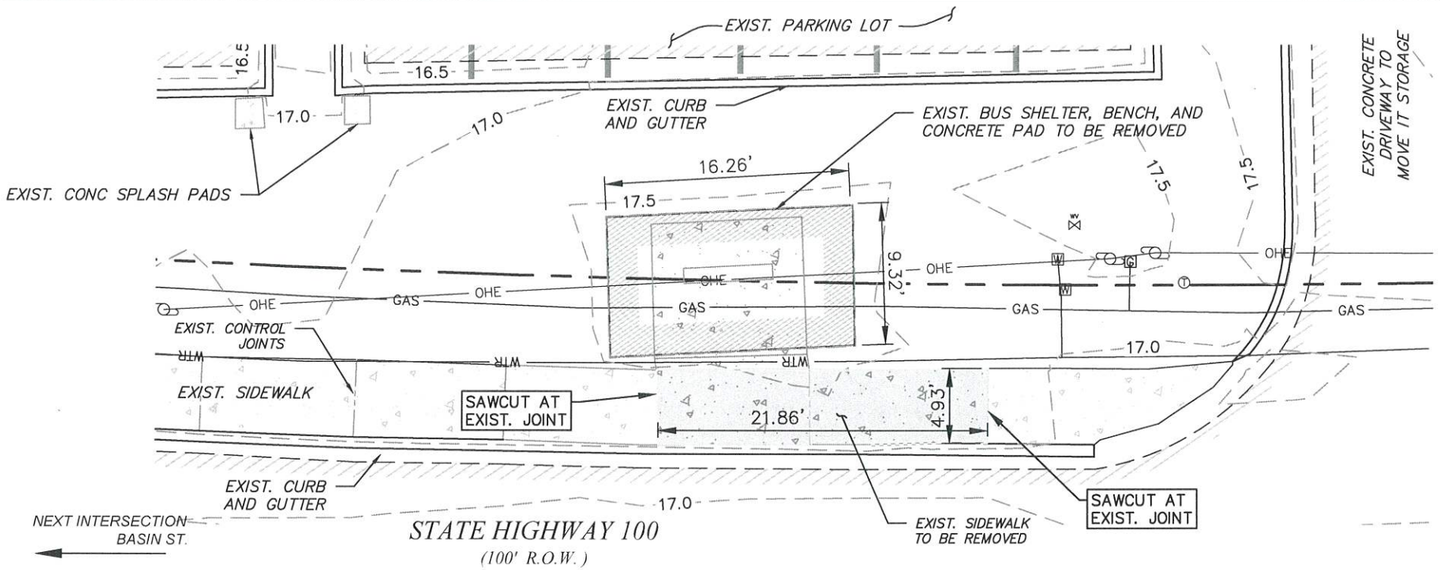
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER LAYOUT SPI-54 SEA TURTLE INC

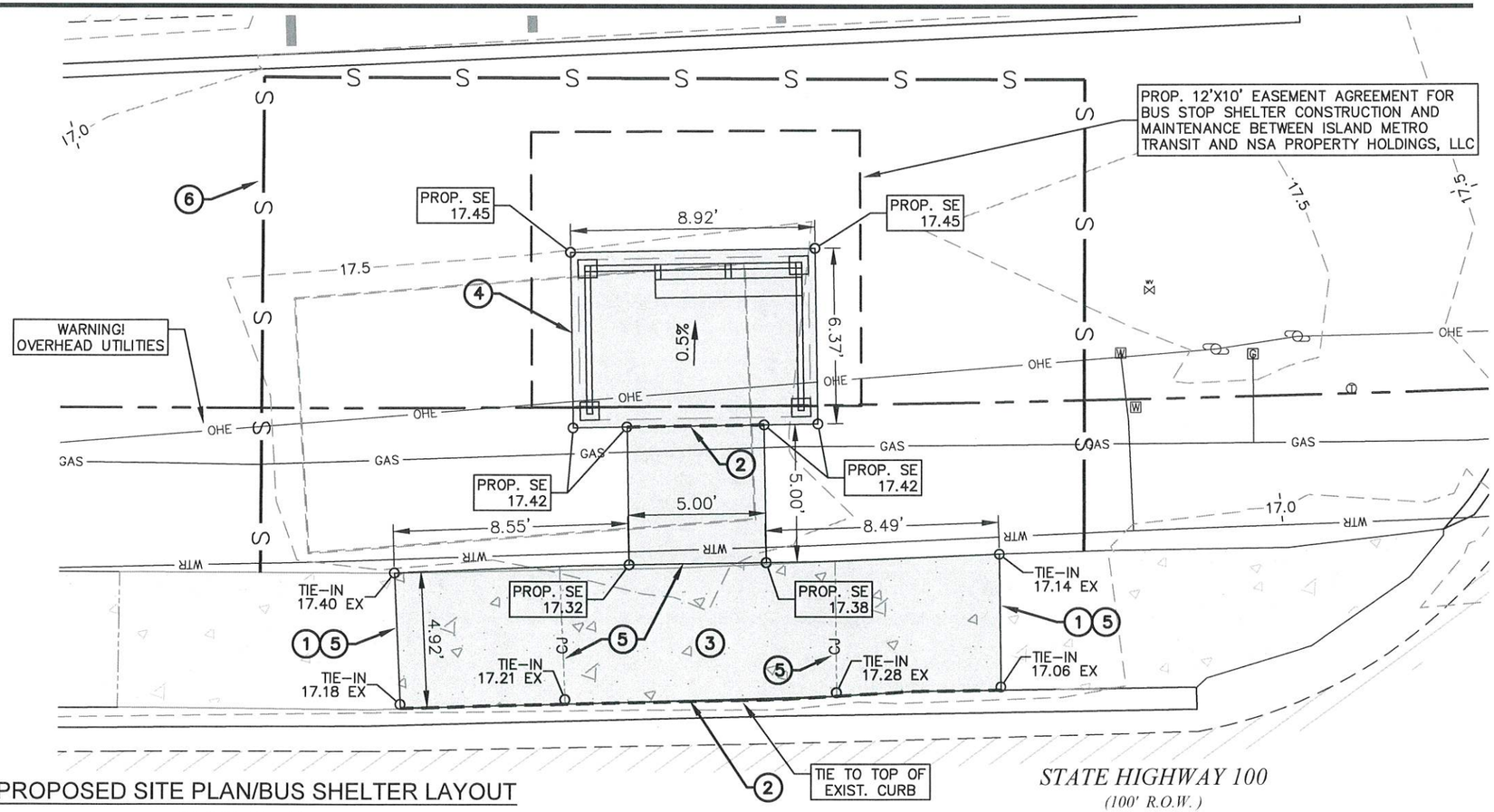
SHEET NUMBER:

C2.7



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
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- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ---------- R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 15 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 65 L.F. SILT FENCE

STATE OF TEXAS
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111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

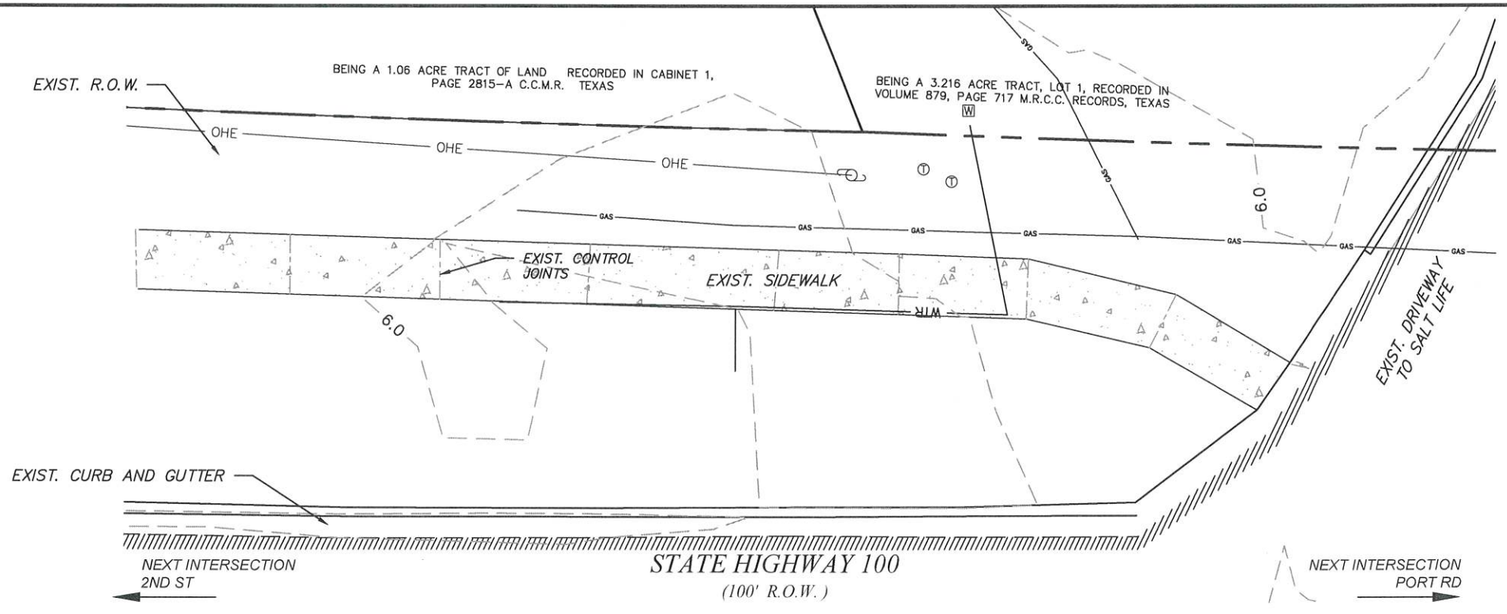
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER LAYOUT PI-5 BASIN STREET

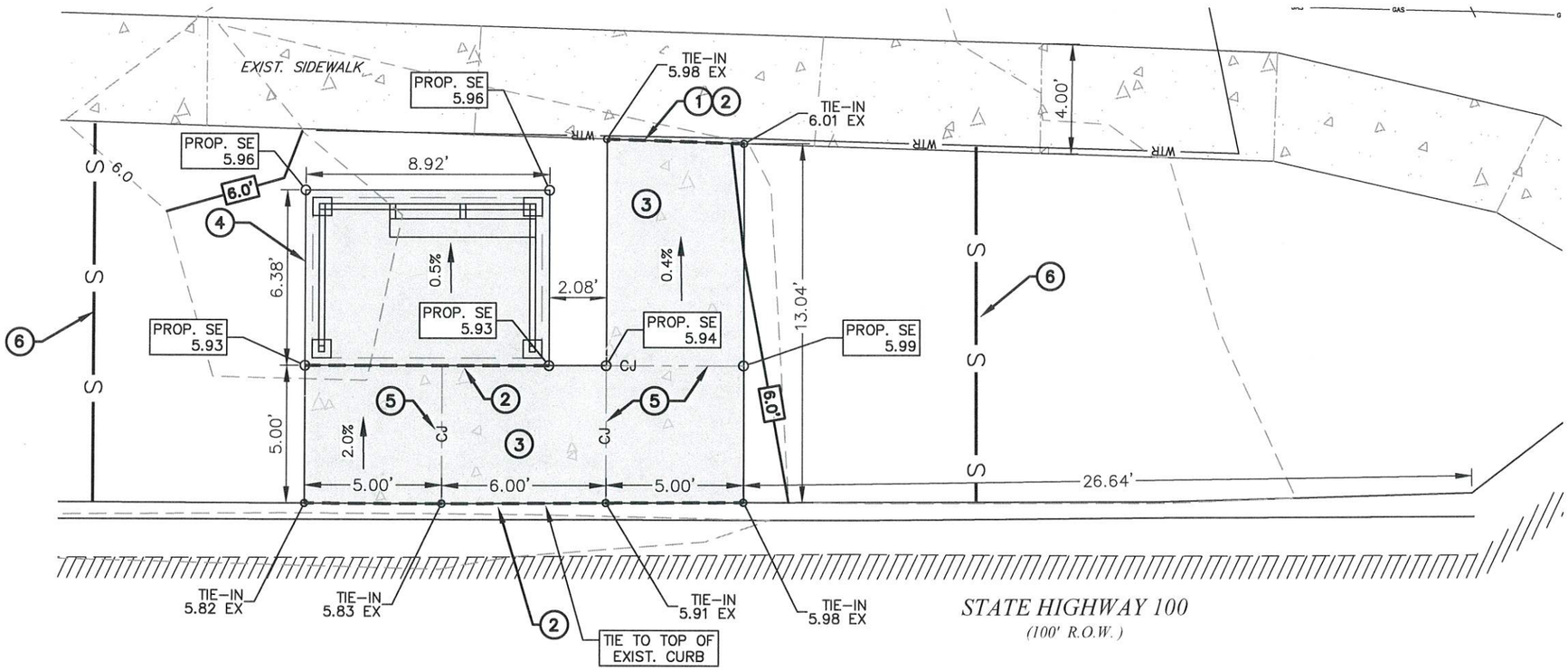
SHEET NUMBER:

C2.8



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 13.5 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 27 L.F. SILT FENCE

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
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SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

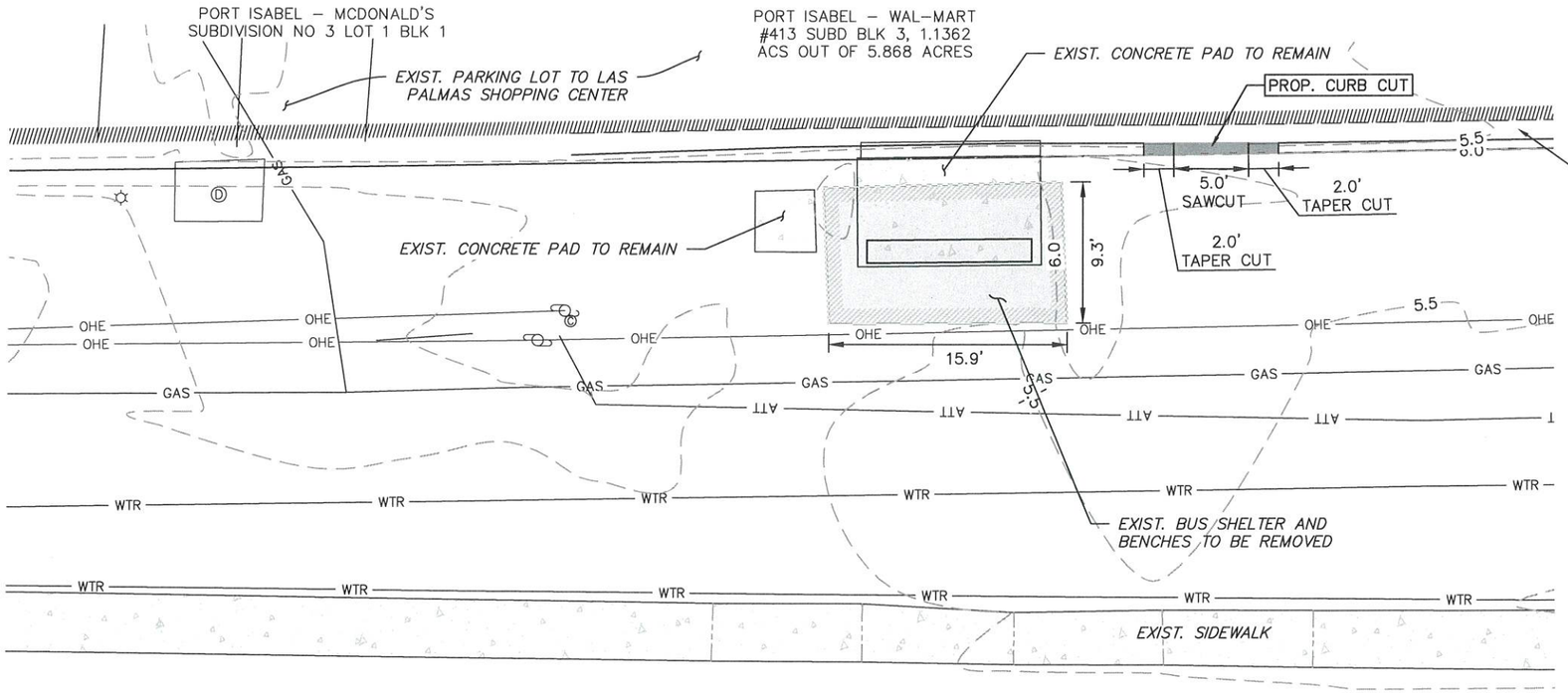
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER LAYOUT PI-7 SALT LIFE

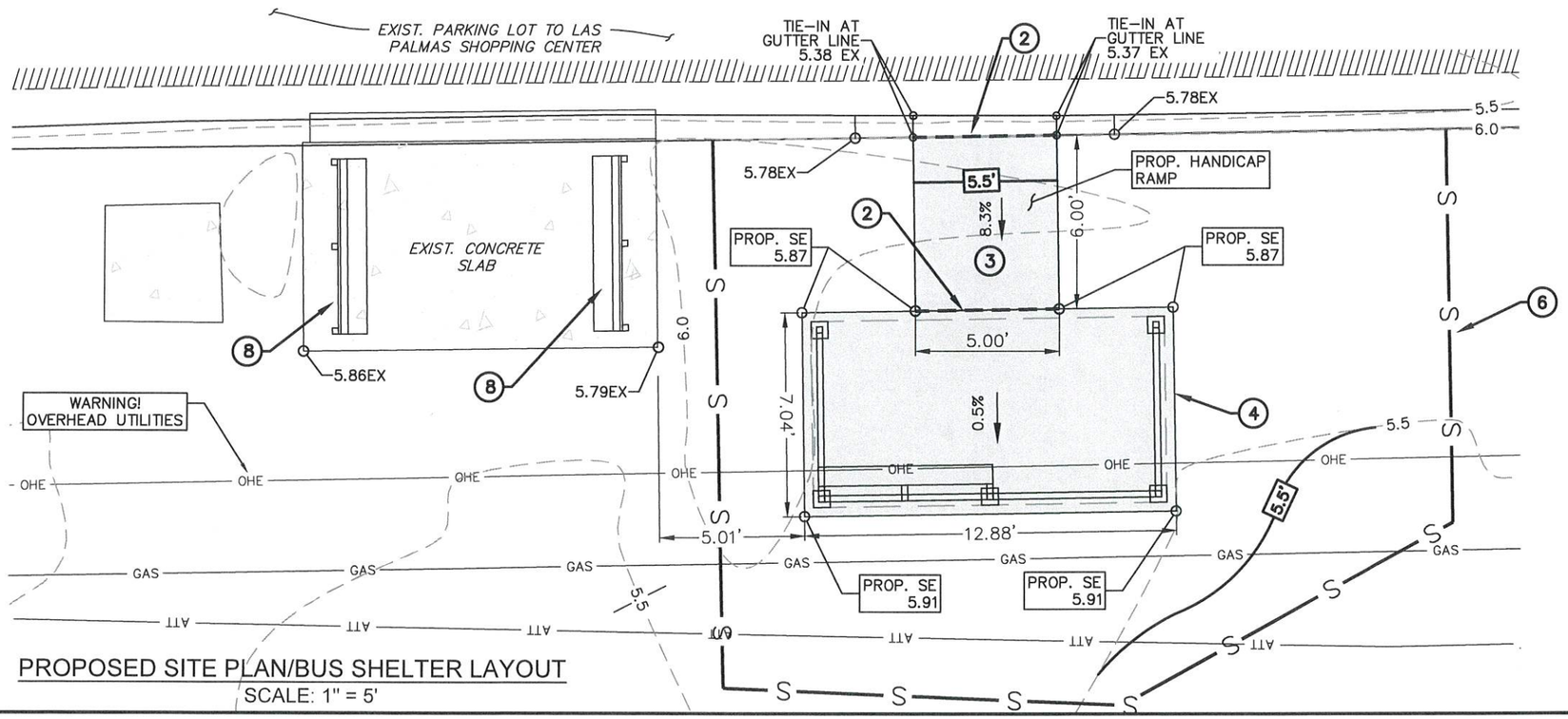
SHEET NUMBER:

C2.9



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. NG — EXISTING NATURAL GROUND
- EX — EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 3.5 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 60 L.F. SILT FENCE
- (7) PROP. CURB INLET PROTECTION
- (8) PROP. 6 L.F. BENCHES (TO BE PROVIDED BY OTHERS)

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

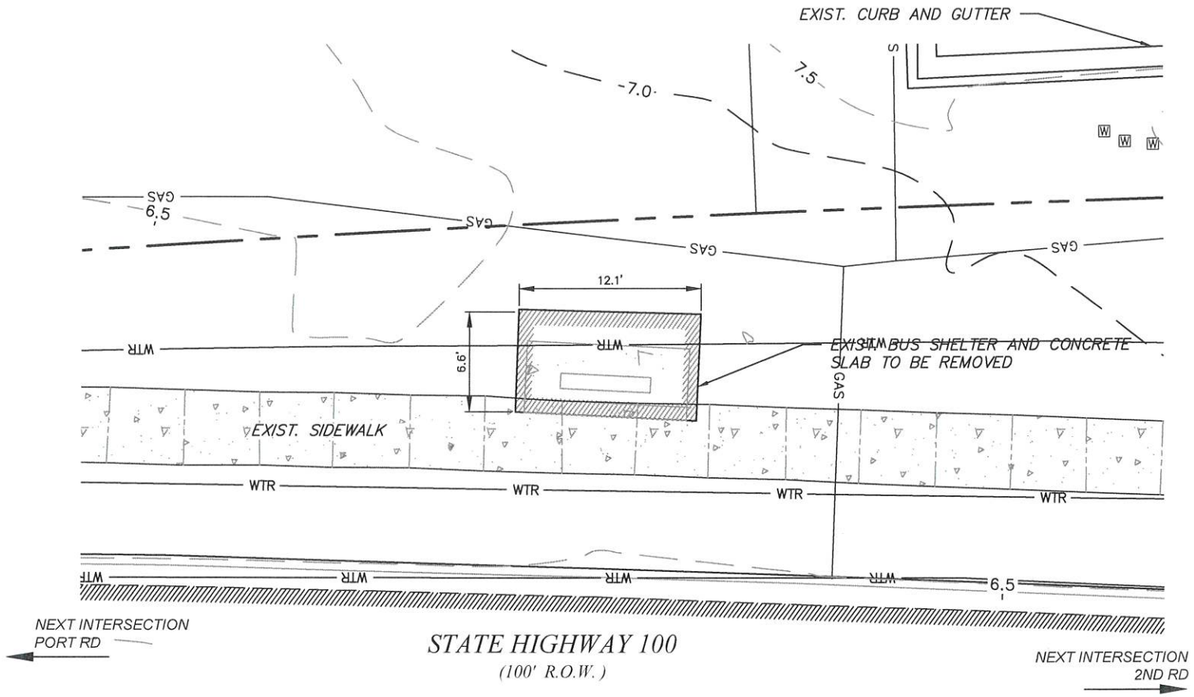
REVISIONS

REV.	DESCRIPTION	DATE

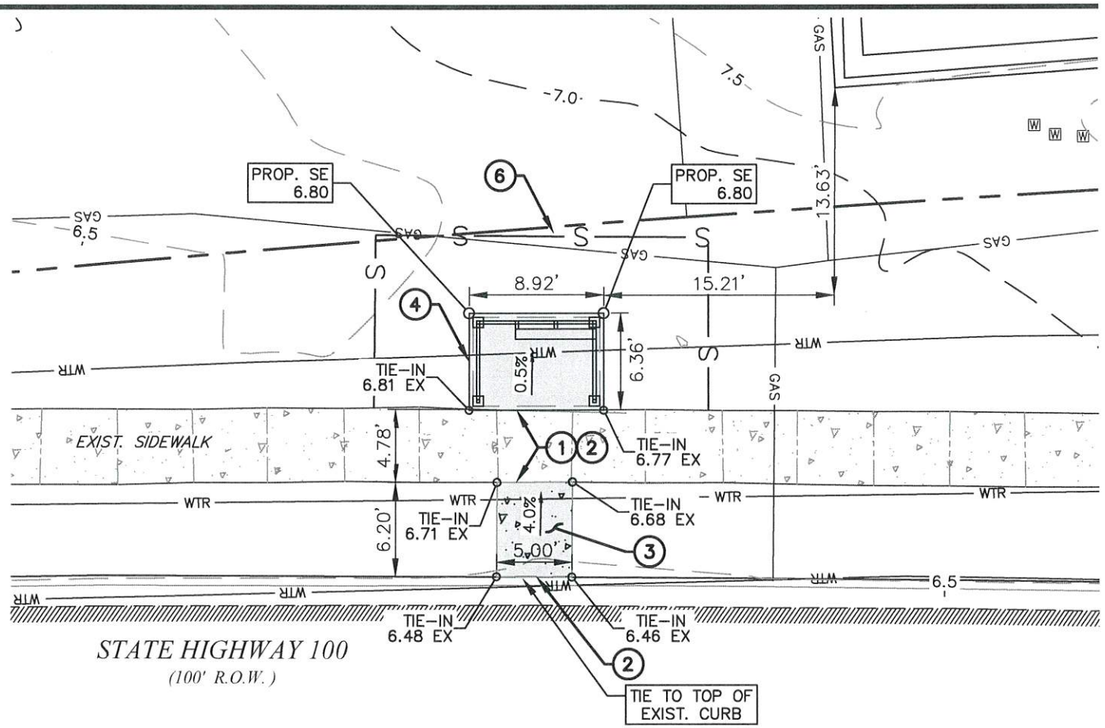
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
BUS SHELTER LAYOUT PI-8 LAS PALMAS SHOPPING CENTER

SHEET NUMBER:
C2.10



EXISTING SITE PLAN/DEMOLITION PLAN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. 4 SY CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 45 L.F. SILT FENCE

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

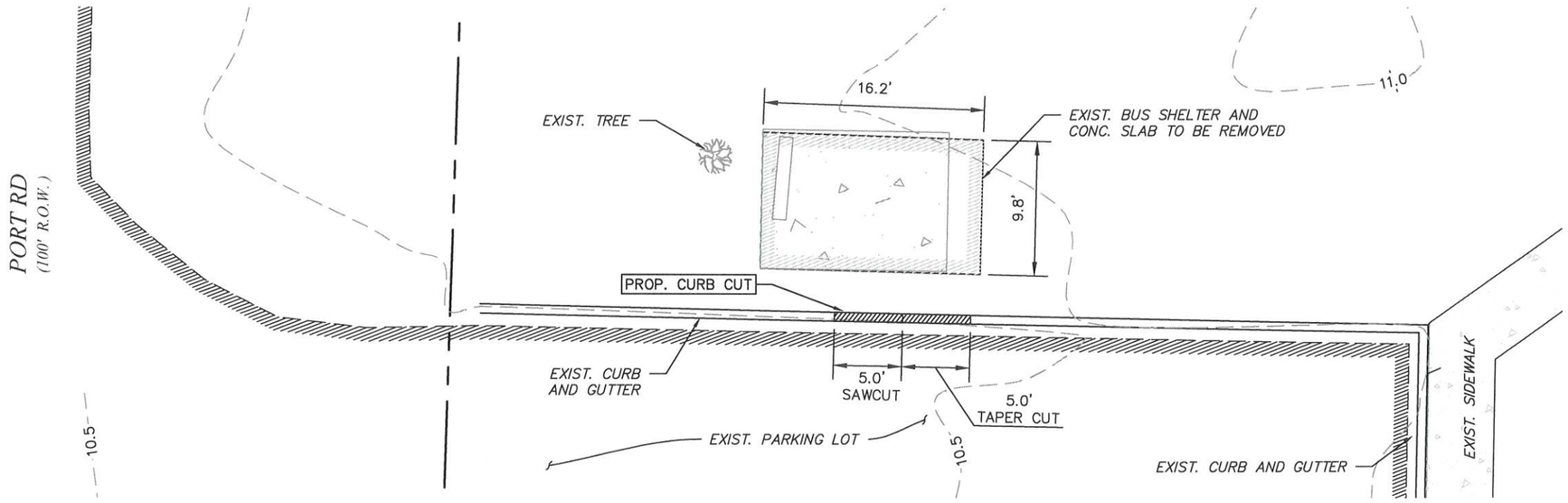
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

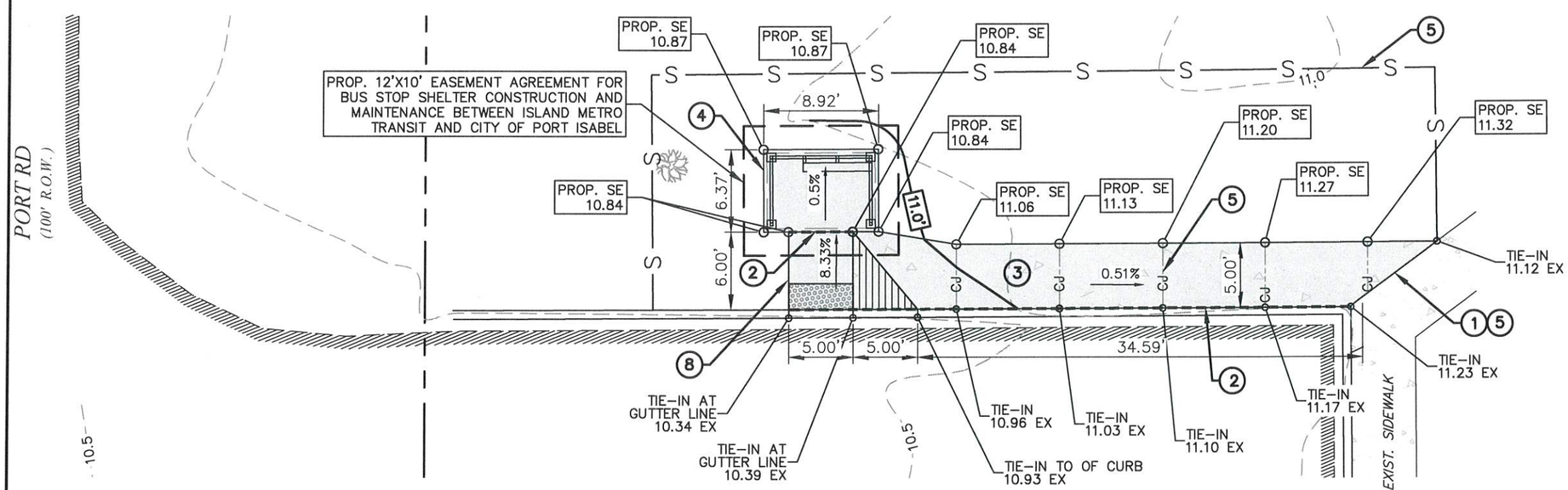
BUS SHELTER LAYOUT PI-21 WALMART

SHEET NUMBER:

C2.11



EXISTING/DEMOLITION SITE PLAN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——--—— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 27 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 93 L.F. SILT FENCE
- (7) PROP. CURB INLET PROTECTION
- (8) PROP. FLARED RAMP (ONE–SIDED)

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

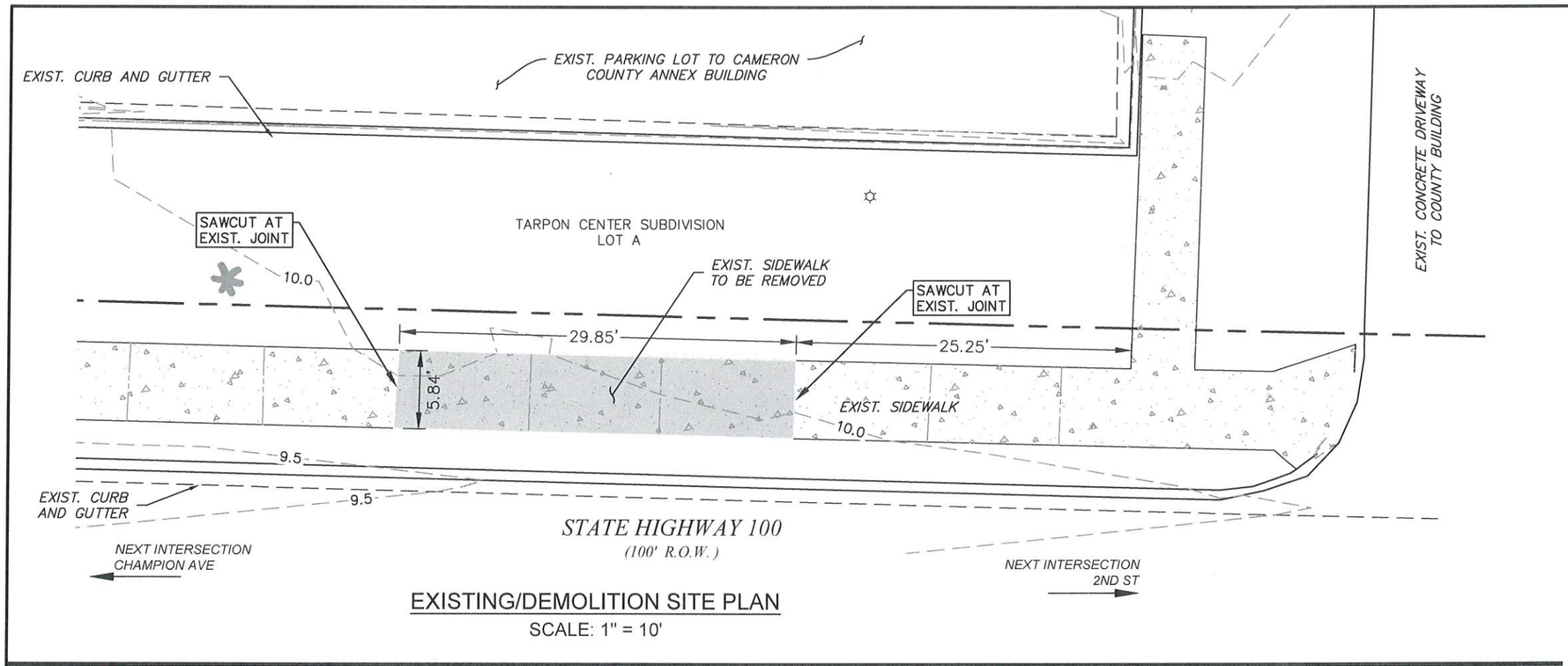
The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this Engineer, and this Engineer expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

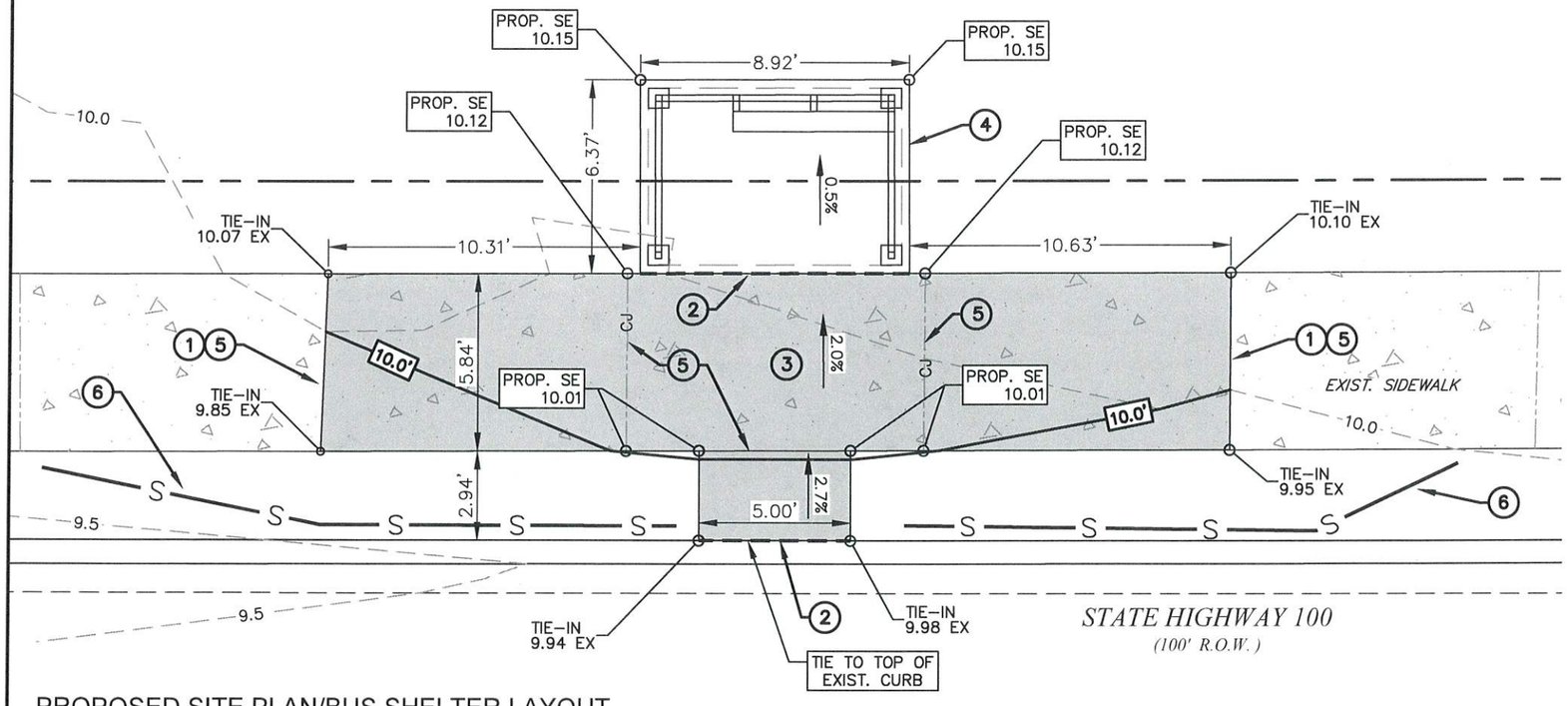
SHEET NAME:
BUS SHELTER LAYOUT PI-22 LAGUNA MADRE YOUTH CENTER

SHEET NUMBER:
C2.12



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WV WATER VALVE
- W WATER METER
- FV FLUSH VALVE
- ICV IRRIG. CONTROL VALVE
- S SAN. SEWER MANHOLE
- CO SAN. SEWER CLEANOUT
- ATT ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- 103 – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 21 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 40 L.F. SILT FENCE

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

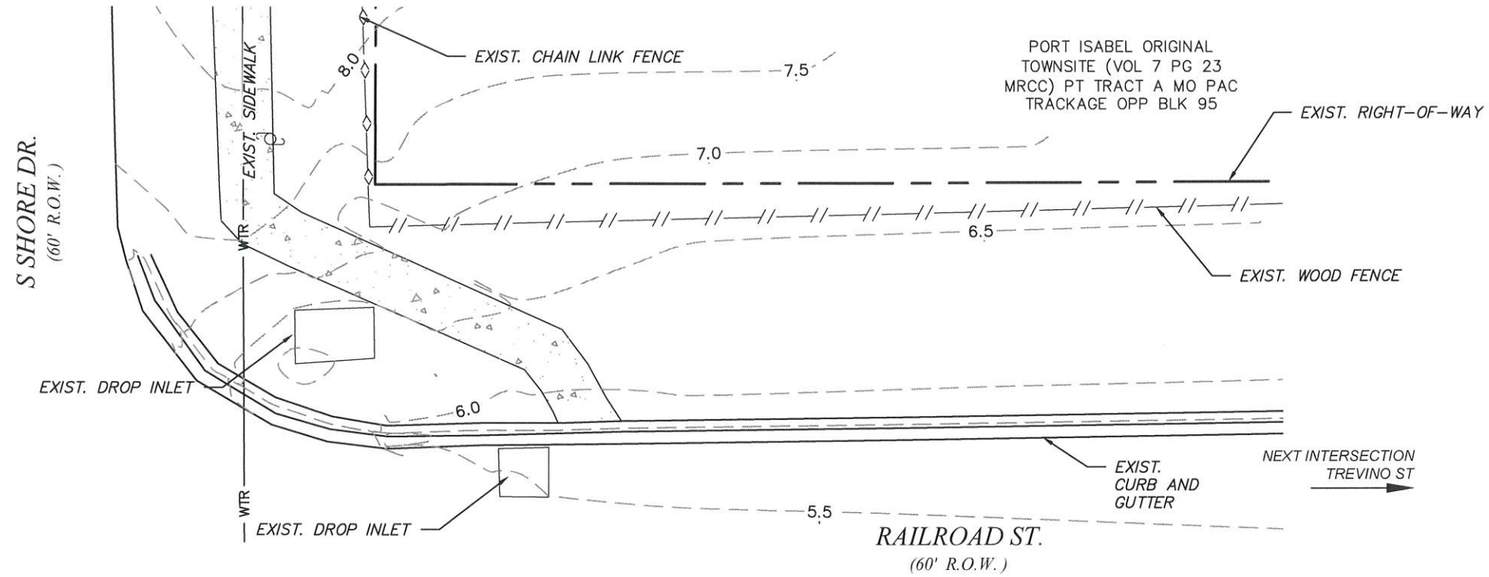
REVISIONS

REV.	DESCRIPTION	DATE

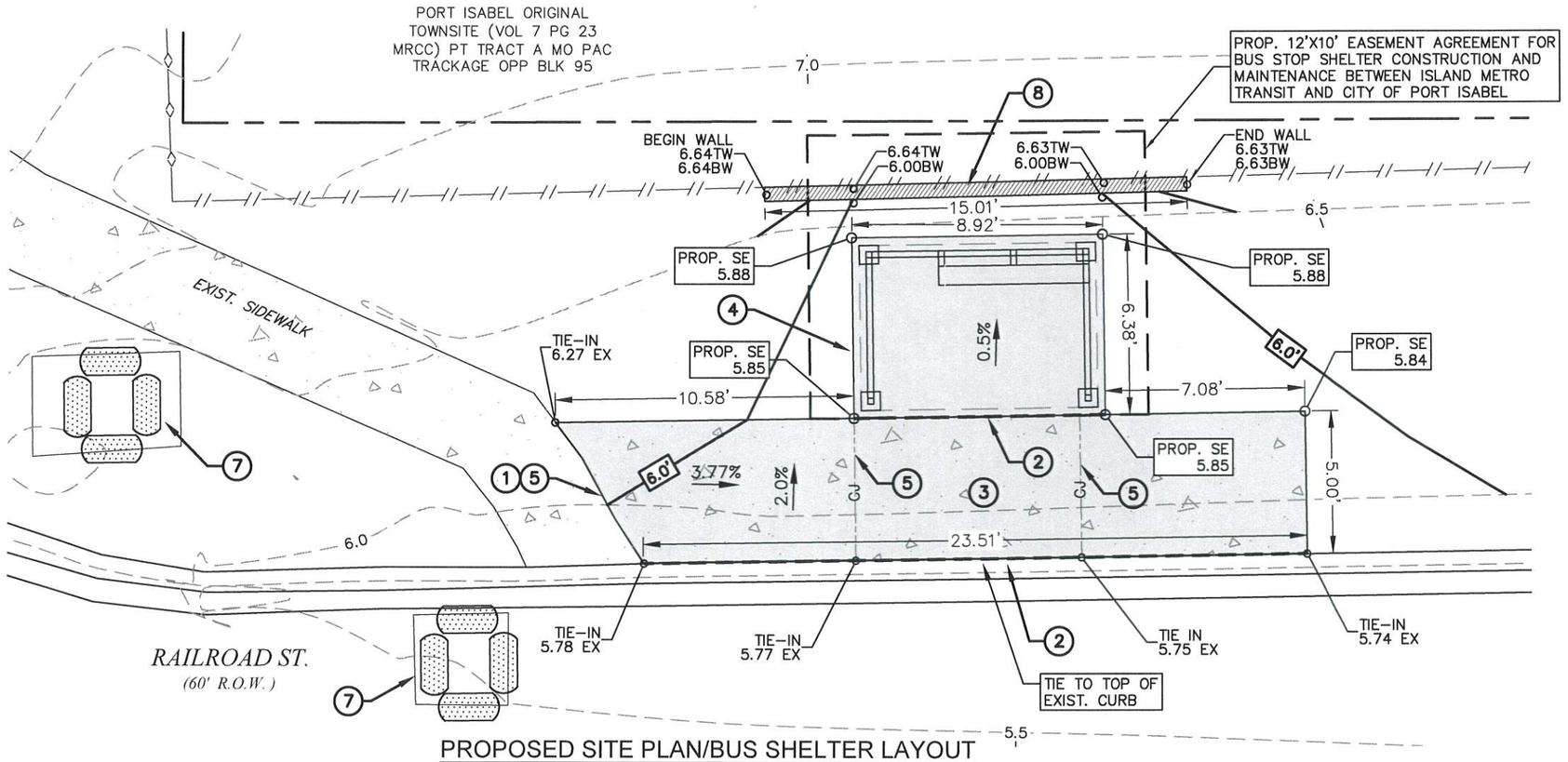
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
BUS SHELTER LAYOUT PI-23 CAMERON COUNTY ANNEX

SHEET NUMBER:
C2.13



EXISTING/DEMOLITION SITE PLAN
SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT
SCALE: 1" = 5'

EXISTING LEGEND

FND. 1/2" IRON ROD	FIRE HYDRANT
POWER POLE	WATER VALVE
SERVICE POLE	WATER METER
LIGHT POLE	FLUSH VALVE
STOP SIGN	IRRIG. CONTROL VALVE
TRAFFIC SIGN	SAN. SEWER MANHOLE
UNDERGROUND CABLE	SAN. SEWER CLEANOUT
TELE PEDESTAL	ATT MANHOLE
ELECTRICAL BOX	WATER LINE
GAS METER	SANITARY SEWER LINE
CABLE PEDESTAL	ATT UNDER GROUND LINE
PALM TREE	OVERHEAD ELECTRIC LINE
TREE	EXISTING
	NATURAL GROUND
	EXISTING ELEVATION
	EXISTING CONTOUR
	R.O.W./PROPERTY LINE
	STORM DRAIN

PROPOSED LEGEND

PROP.	PROPOSED
TC	TOP OF CONCRETE
SE	SPOT ELEVATION
EX	EXISTING
CJ	CONTROL JOINT
TW	TOP OF WALL
BW	BOTTOM OF WALL
(103)	PROPOSED SPOT ELEVATION
1.0%	PROPOSED PERCENT GRADE
5.0'	PROPOSED GRADING CONTOURS
(1)	DOWEL INTO EXIST. CONCRETE
(2)	EXPANSION JOINT
(3)	PROP. 14 SY CONC. SIDEWALK
(4)	PROP. 6'X8' BUS SHELTER
(5)	PROP. CONTROL JOINT
(6)	PROP. -- L.F. SILT FENCE
(7)	PROP. CURB INLET PROTECTION
(8)	PROP. 15 L.F. CONC. WALL (SEE DETAIL ON SHT. C3.4)

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

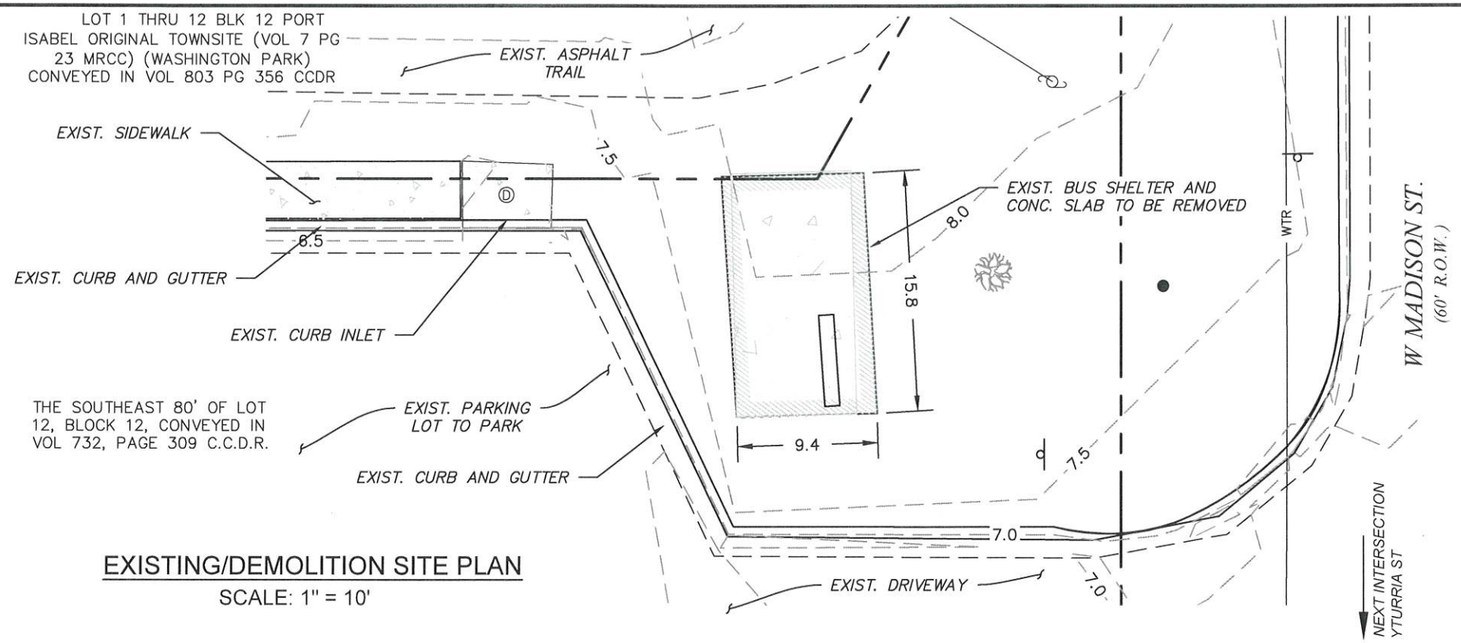
REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

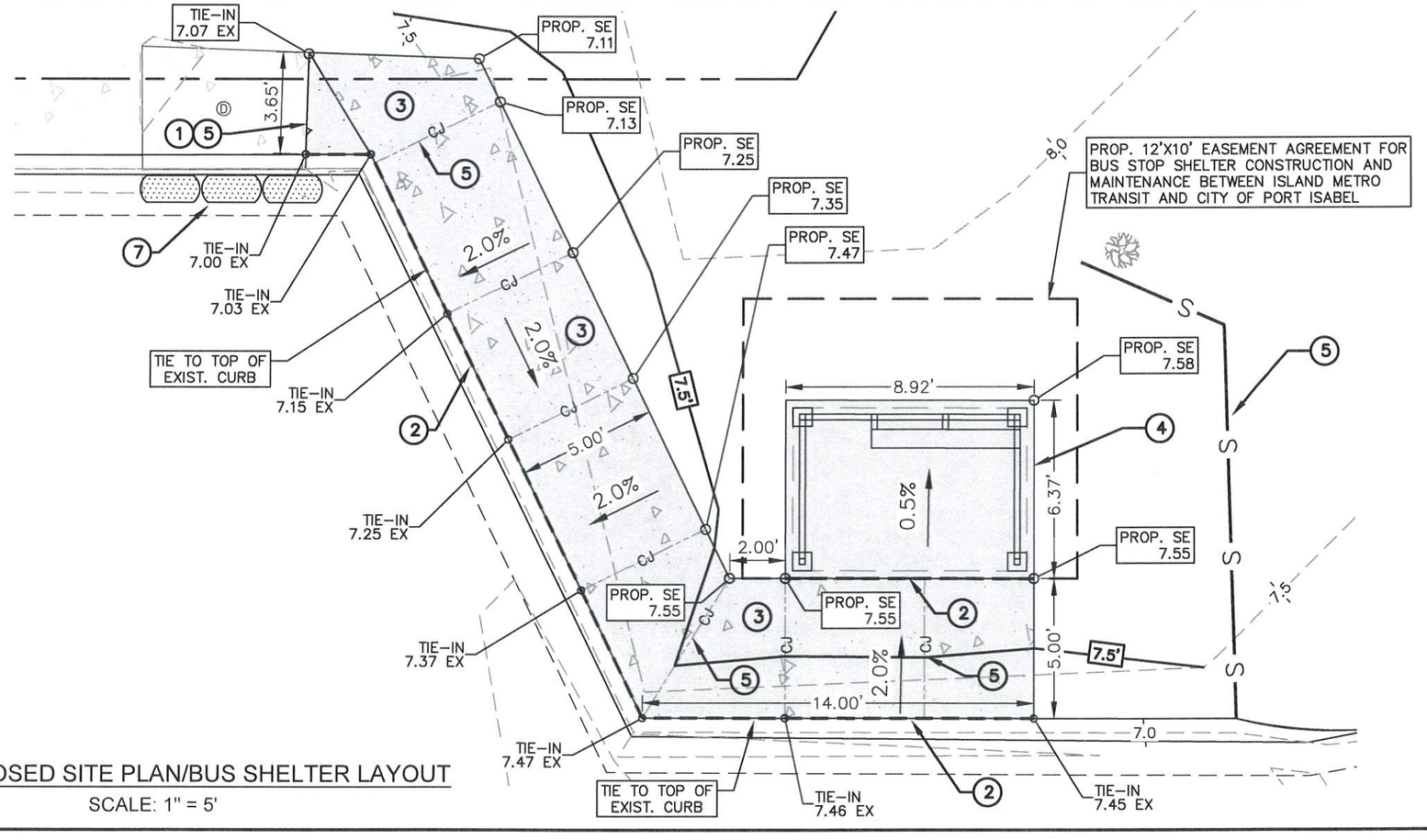
SHEET NAME:
BUS SHELTER
LAYOUT PI-24
RAILROAD STREET

SHEET NUMBER:
C2.14



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 5'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE
- 5.0' – PROPOSED GRADING CONTOURS
- (1) DOWEL INTO EXIST. CONCRETE
- (2) EXPANSION JOINT
- (3) PROP. 21 SY CONC. SIDEWALK
- (4) PROP. 6'X8' BUS SHELTER
- (5) PROP. CONTROL JOINT
- (6) PROP. 20 L.F. SILT FENCE
- (7) PROP. CURB INLET PROTECTION

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 10118-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

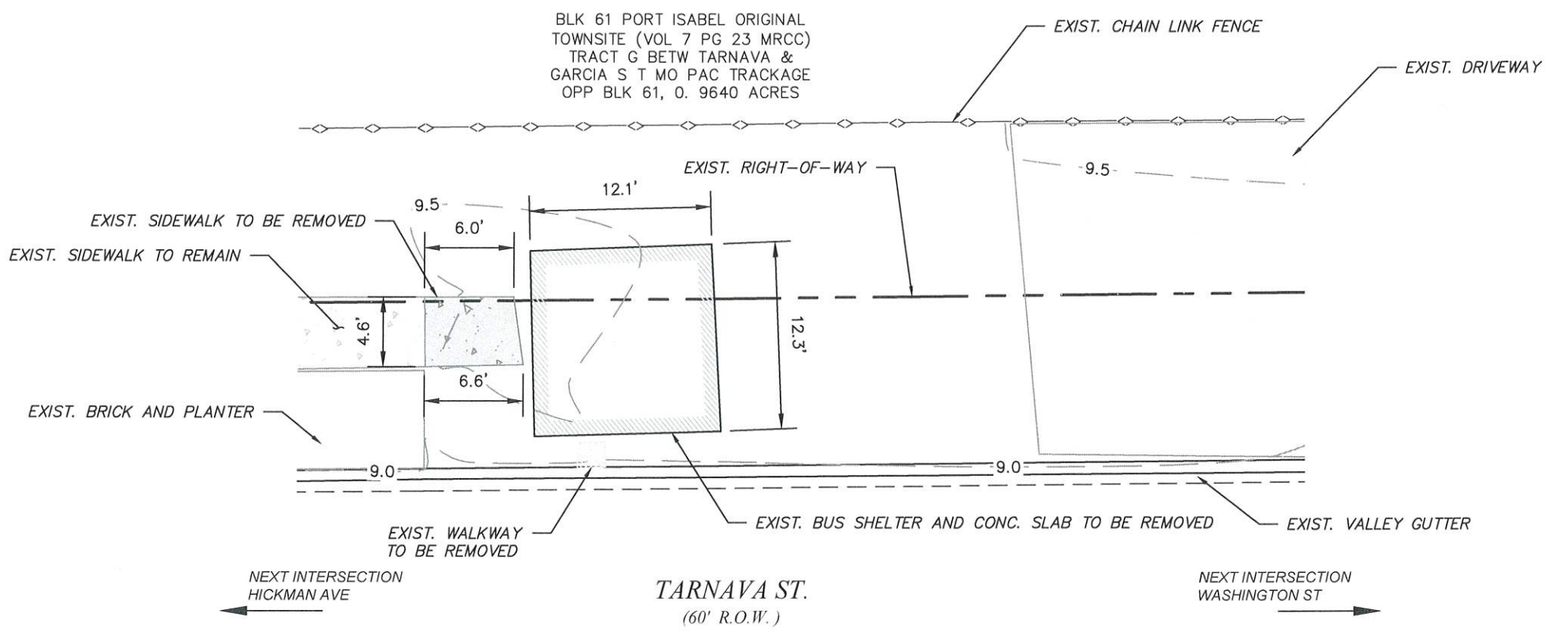
SHEET NAME:

BUS SHELTER LAYOUT PI-25 WASHINGTON PARK

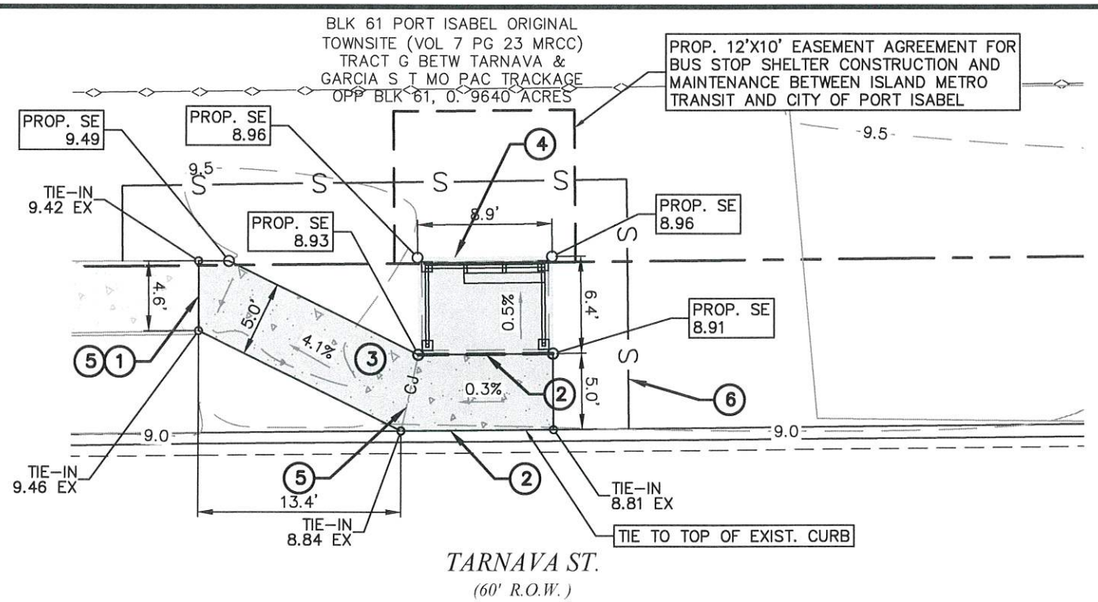
SHEET NUMBER:

C2.15

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.



EXISTING SITE PLAN/DEMOLITION PLAN



PROPOSED SITE PLAN/BUS SHELTER LAYOUT

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WV WATER VALVE
- W WATER METER
- FV FLUSH VALVE
- ICV IRRIG. CONTROL VALVE
- S SAN. SEWER MANHOLE
- CO SAN. SEWER CLEANOUT
- ATT ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- — OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

PROPOSED LEGEND

- PROP. – PROPOSED
- TC – TOP OF CONCRETE
- SE – SPOT ELEVATION
- EX – EXISTING
- CJ – CONTROL JOINT
- (103) – PROPOSED SPOT ELEVATION
- 1.0% – PROPOSED PERCENT GRADE

1. DOWEL INTO EXIST. CONCRETE
2. EXPANSION JOINT
3. PROP. 14 S.Y. CONC. SIDEWALK
4. PROP. 6'X8' BUS SHELTER
5. PROP. CONTROL JOINT
6. PROP. 55 L.F. SILT FENCE
7. PROP. CURB INLET PROTECTION

8/23/22

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER

Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

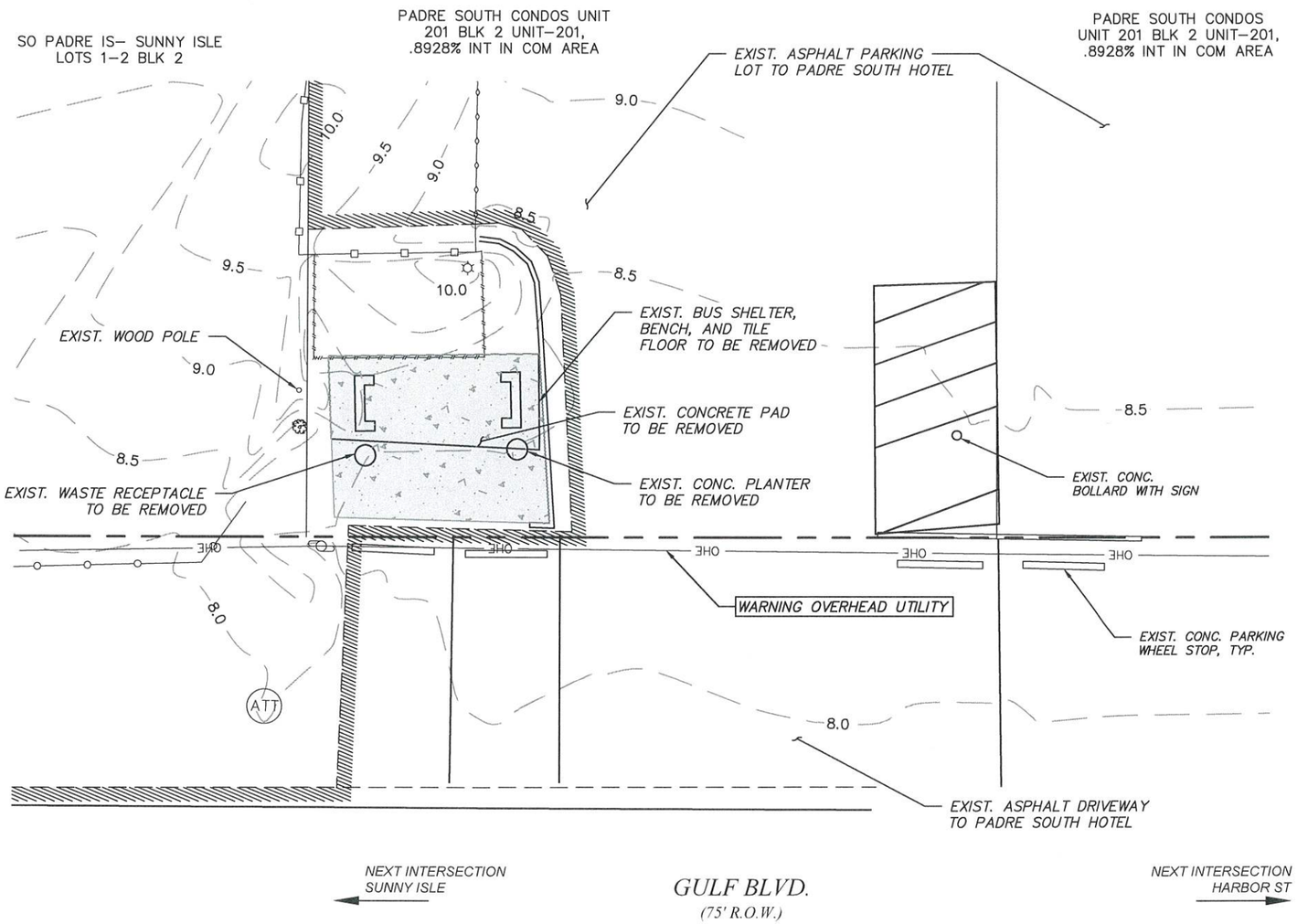
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

BUS SHELTER LAYOUT PI-26 MUSEUM

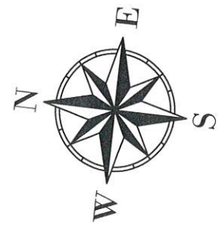
SHEET NUMBER:

C2.16



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'



EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UGC UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- CABLE PEDESTAL
- PALM TREE
- TREE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- TYP. TYPICAL
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- — O — TEMPARARY FENCE
- —//— PLASTIC FENCE
- —◇— STEEL FENCE
- —□— BLOCK FENCE
- ---3.00--- EXISTING CONTOUR
- —— R.O.W./PROPERTY LINE
- —SD— STORM DRAIN

NOTE:
CONTRACTOR TO BACKFILL AREAS DISTURBED AND BRING UP TO GRADE

SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10802
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 10116-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

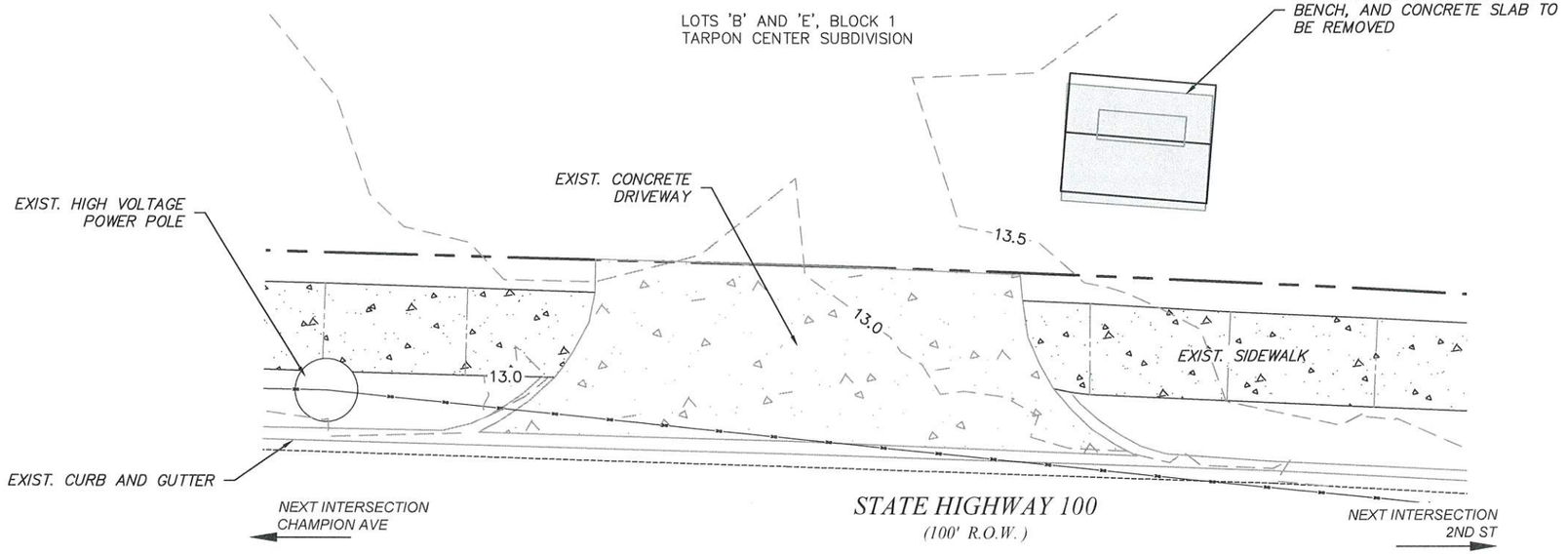
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

DEMOLITION PLAN
SPI-9 PADRE SOUTH

SHEET NUMBER:

C2.17



EXISTING/DEMOLITION SITE PLAN

SCALE: 1" = 10'

EXISTING LEGEND

- FND. 1/2" IRON ROD
- POWER POLE
- SERVICE POLE
- LIGHT POLE
- STOP SIGN
- TRAFFIC SIGN
- UNDERGROUND CABLE
- TELE PEDESTAL
- ELECTRICAL BOX
- GAS METER
- CABLE PEDESTAL
- PALM TREE
- TREE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- FLUSH VALVE
- IRRIG. CONTROL VALVE
- SAN. SEWER MANHOLE
- SAN. SEWER CLEANOUT
- ATT MANHOLE
- —WTR— WATER LINE
- — SS — SANITARY SEWER LINE
- —ATT— ATT UNDER GROUND LINE
- —OHE— OVERHEAD ELECTRIC LINE
- EXIST. EXISTING
- NG NATURAL GROUND
- EX EXISTING ELEVATION
- ---3.00--- EXISTING CONTOUR
- ——— R.O.W./PROPERTY LINE
- — SD — STORM DRAIN

NOTE:
CONTRACTOR TO BACKFILL AREAS DISTURBED AND BRING UP TO GRADE

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8680
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

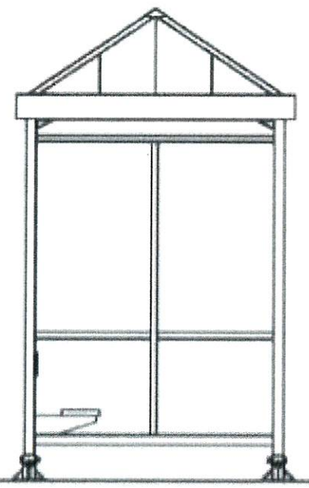
REVISIONS

REV.	DESCRIPTION	DATE

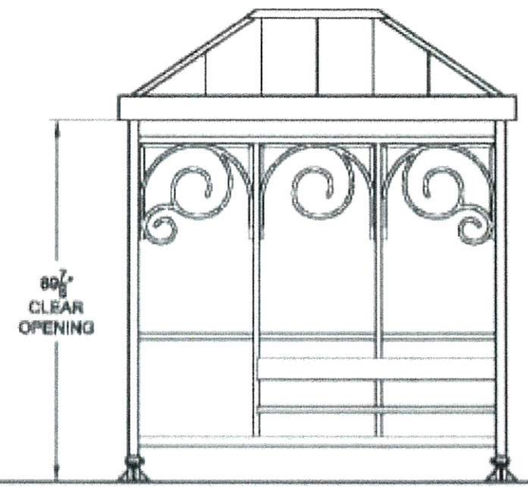
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
DEMOLITION PLAN
PI-23 CAMERON COUNTY ANNEX

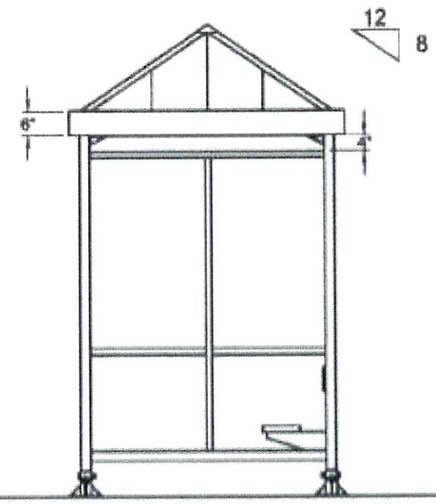
SHEET NUMBER:
C2.18



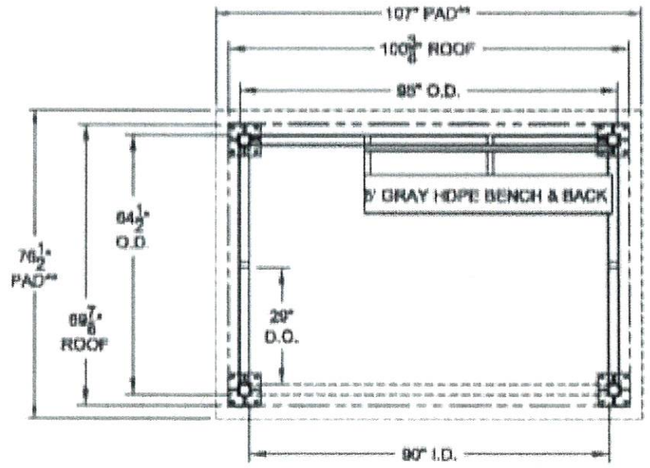
SIDE ELEVATION



FRONT ELEVATION



SIDE ELEVATION



PLAN VIEW

NOTES (INITIAL FOR APPROVAL WHERE INDICATED):

- ALUMINUM FRAME FINISH TO BE RAL 6027
- ROOF TO BE METAL STANDING SEAM HIP
- ROOF COLOR TO BE SILVER METALLIC
- NO WALL GLAZING, CUSTOM GRILLWORK (UPPER REAR ONLY)

PAD BY OTHERS, DIMENSIONS ARE RECOMMENDATION ONLY, ALL APPLICABLE CODES GOVERN

- DESIGN IS PRELIMINARY, AND INTENDED TO COMPLY WITH SPECIFICATIONS IN ALL ASPECTS, AND PENDING CUSTOMER APPROVAL. ANY SIGNIFICANT DEVIATION FROM SPECIFICATIONS IS UNINTENTIONAL AND MAY BE DISREGARDED: PLEASE CONSULT THE FACTORY.

DUO-GARD

Duo-Gard Industries, Inc.
40442 Koppernick Rd., Canton, MI 48187

LEAD TIME BEGINS UPON RECEIPT OF SIGNED SHOP DRAWINGS.

APPROVAL SIGNATURE: DATE:

X _____ / / /

PROJECT NAME: 14565 CITY OF SOUTH PADRE ISLAND

DESCRIPTION: (18) 6' X 8' TRANSIT STYLE SHELTER - PLAN AND ELEVATIONS

PRJT ENG	PRJT MGR	DWG DATE	REV1	REV2	SCALE	PAGE	OF	DRWNG #
KK	JW	5/16/21JES	9/28/21KK		NTS	3	4	

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500 TEL: (956) 702-8880
McALLEN, TEXAS 78501 FAX: (956) 702-8863
REGISTRATION # F-10602 SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

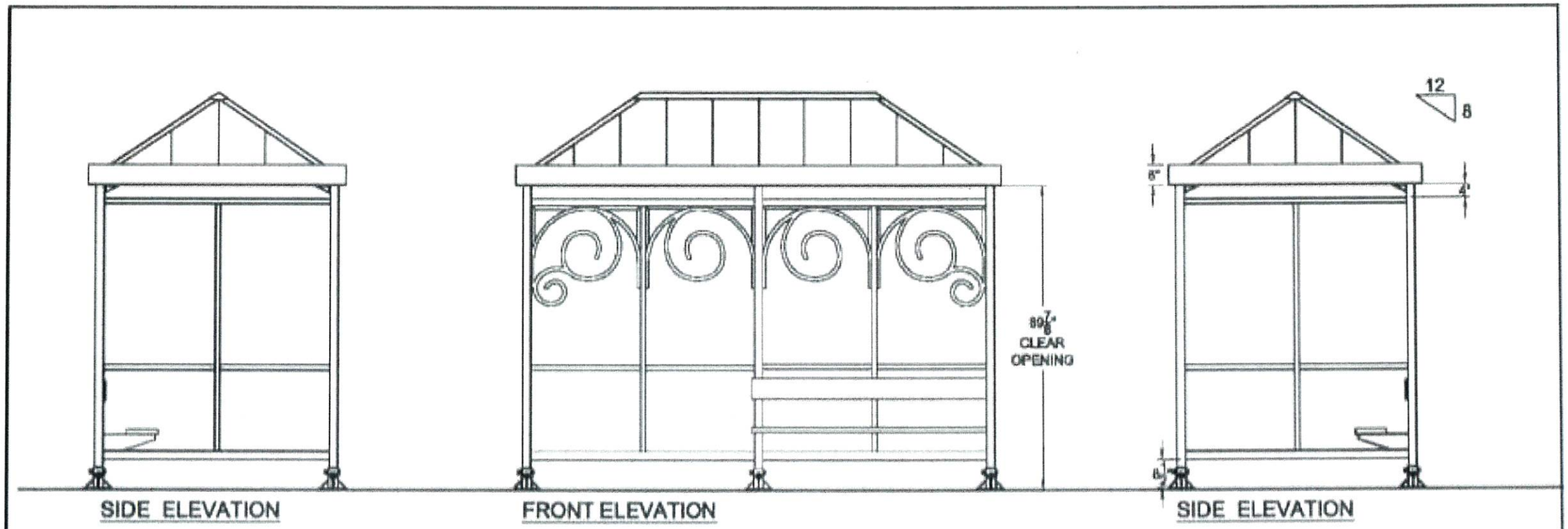
REVISIONS

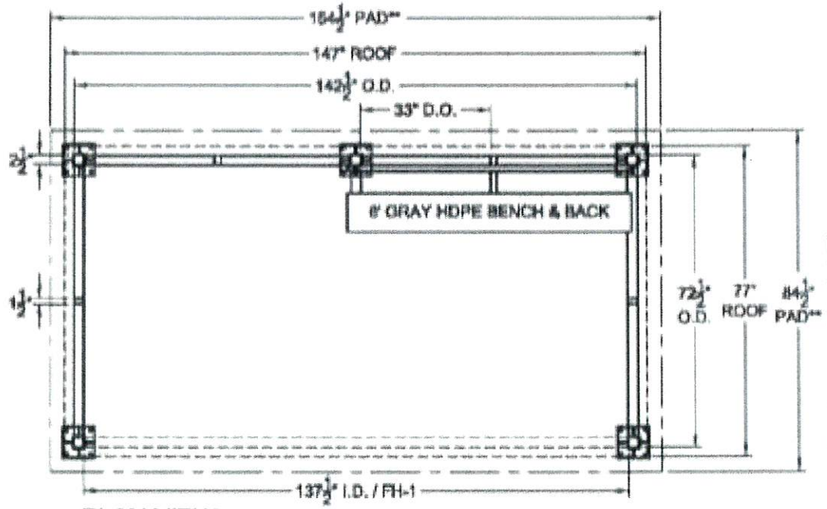
REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
STRUCTURAL FRAMING PLAN 6X8 TRANSIT BUS SHELTER

SHEET NUMBER:
C3.0





PLAN VIEW

NOTES (INITIAL FOR APPROVAL WHERE INDICATED):

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DUO-GARD
CUSTOM BY DESIGN
T: 734.207.8100 | www.duo-gard.com
Duo-Gard Industries, Inc.
40442 Koppernick Rd., Canton, MI 48187

LEAD TIME BEGINS UPON RECEIPT OF SIGNED SHOP DRAWINGS

APPROVAL SIGNATURES DATE

X _____ / /

PROJECT NAME
14565 CITY OF SOUTH PADRE ISLAND

DESCRIPTION
(1) 6' X 12' TRANSIT STYLE SHELTER - PLAN AND ELEVATIONS

PRJT ENG	PRJT MGR	DWG DATE	REV1	REV2	SCALE	PAGE	OF	DRWNG #
KK	JW	5/16/21JES	9/28/21KK		NTS	2	4	

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500 TEL: (956) 702-8880
McALLEN, TEXAS 78501 FAX: (956) 702-8883
REGISTRATION # F-10602 SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS
PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

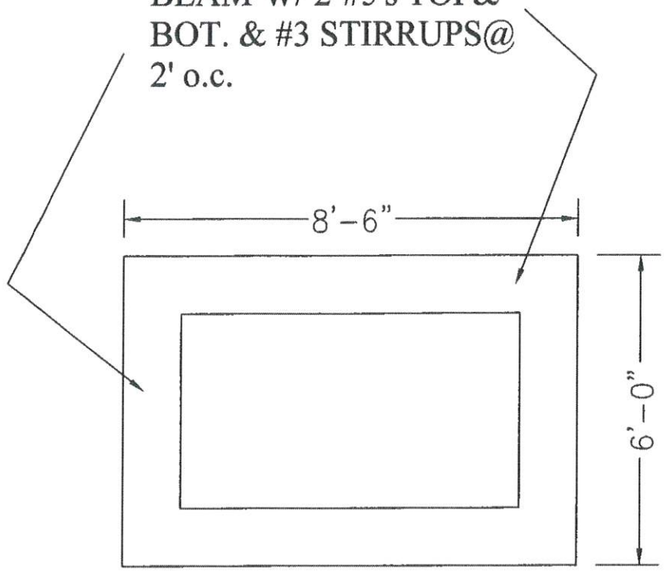
REVISIONS

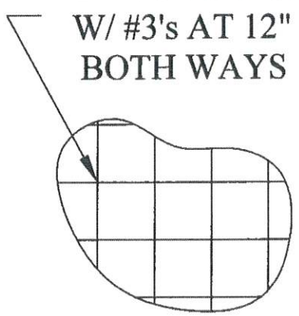
REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:
STRUCTURAL FRAMING 6X12 TRANSIT BUS SHELTER

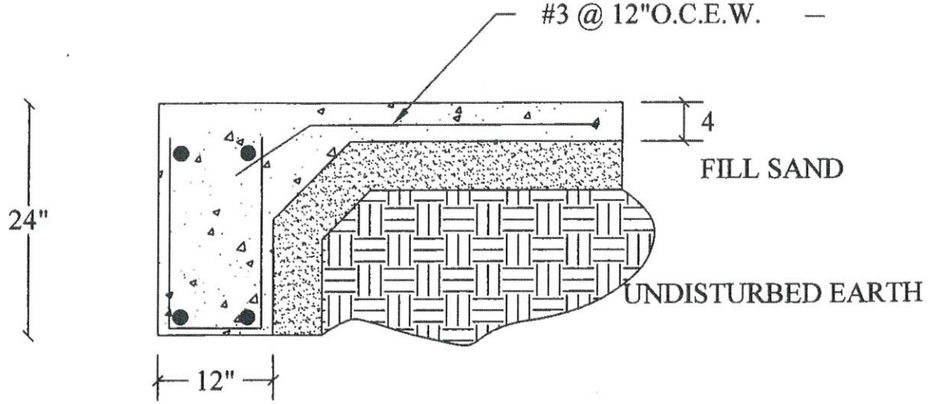
SHEET NUMBER:
C3.1





STATE OF TEXAS
ROBERT A. FUDGE
46145
LICENSED
PROFESSIONAL ENGINEER

12/8/09



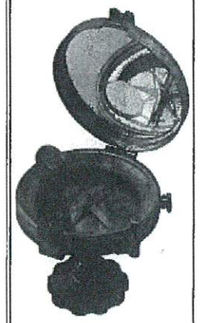
NOTES:

4" OF SAND SUBBASE 95% MAX DENSITY
4" 3000 PSI CONCRETE PAD
#3 REBAR @ 12"O.C. EACH WAY

SUBBASE AND STEEL TO BE APPROVED BY PUBLIC WORKS DIRECTOR BEFORE PLACEMENT OF CONCRETE.

REVISIONS:
12/08/09 – Slab Size

FUDGE CONSULTING



P.O. BOX 3854
SOUTH PADRE ISLAND, TX
78597-3854

PROJECT
WAVE BUS STOP SHELDERS

LOCATION:
Various Locations in the Town of South Padre Island

DATE: 09/14/2009
ISSUED FOR: DATE
PERMITS
BIDS
CONSTRUCTION
SCALE: NTS
DRAWN BY:
JOB NO:
SHEET TITLE:
Foundation Details for Wave Bus Stop Shelters

SHEET NO.:
150B
OF:

SAMES
SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS
SHELTER IMPROVEMENTS
PORT ISABEL, TEXAS AND
SOUTH PADRE ISLAND, TEXAS

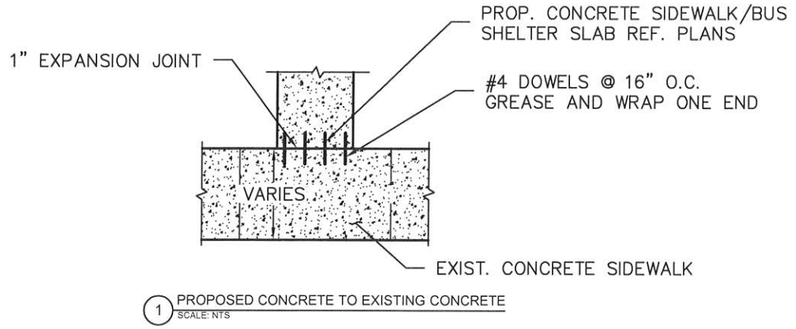
REVISIONS: DATE | DESCRIPTION | REV.

The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this Engineer, and this Engineer expressly disclaims any and all responsibility for such plan, drawings or documents not exhibiting this seal.

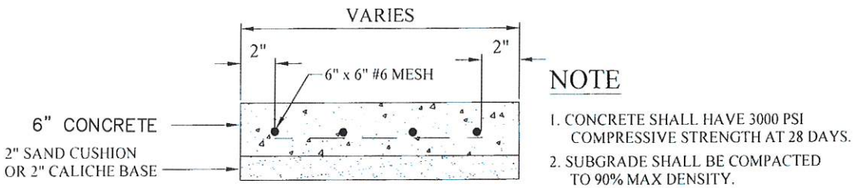
PROJ. NO. ENG 22.021
DATE: AUGUST 2022
SCALE: AS NOTED

SHEET NAME:
FOUNDATION DETAILS 6X8 TRANSIT BUS SHELTER

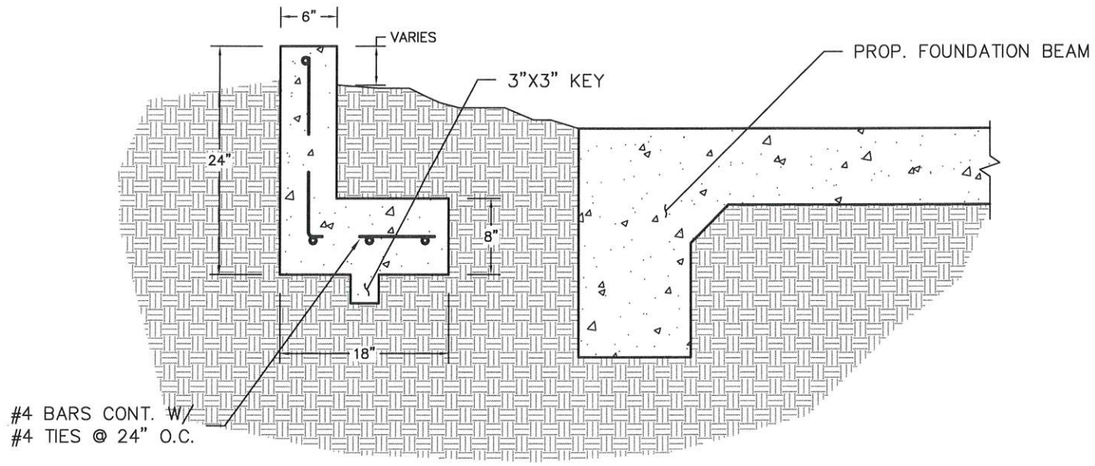
SHEET NUMBER:
C3.2



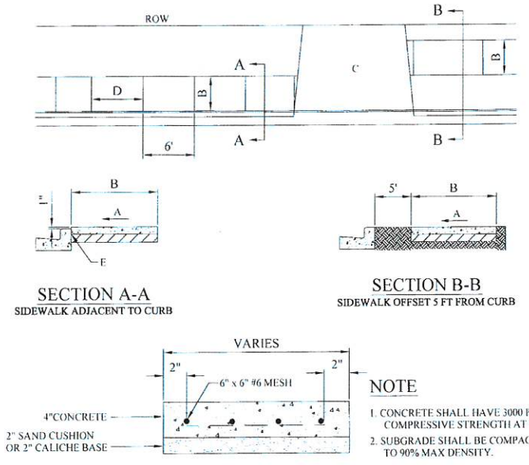
1 PROPOSED CONCRETE TO EXISTING CONCRETE
SCALE: NTS



CONCRETE PAVEMENT SECTION DETAIL



2 RETAINING WALL DETAIL
SCALE: ¾" = 1'-0"



SECTION A-A
SIDEWALK ADJACENT TO CURB

SECTION B-B
SIDEWALK OFFSET 5 FT FROM CURB

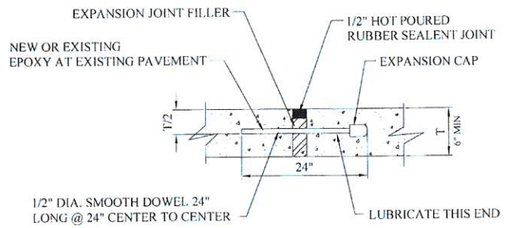
GENERAL NOTES:

1. DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
2. SIDEWALK SHALL BE CONSTRUCTED WITHIN STREET R.O.W.
3. PROVIDE 5' X 5' PASSING SPACE AT A MAXIMUM 200' INTERVALS, IF SIDEWALK IS LESS THAN 5' ON WIDTH (DRIVEWAY IS CONSIDERED A PASSING SPACE)

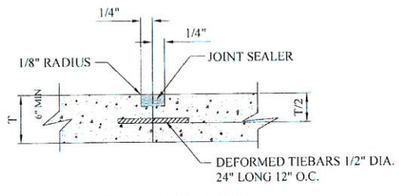
CONSTRUCTION NOTES:

A. CROSS-SLOPE AT 1.5% USUAL AND 2.0% MAX.
B. SIDEWALK, WIDTH VARIES. 4 FT MINIMUM WHEN SETBACK 5 FT FROM THE CURB. 5 FT. MINIMUM WHEN ADJACENT TO THE CURB.
C. SEE DRIVEWAY APRON DETAIL.
D. CONTRACTION JOINTS EVERY 6 FT.; EXPANSION JOINT EVERY 30 FT. AND ALONG CURB AND GUTTER WHEN SIDEWALK ADJACENT TO CURB AND ALONG ANY STRUCTURE EXISTING.
E. 1/2" EXPANSION JOINT.

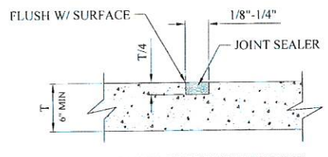
TYPICAL SIDEWALK DETAILS



EXPANSION JOINT



CONSTRUCTION JOINT



SAWED CONTRACTION JOINT

TYPICAL CONCRETE JOINT DETAILS

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

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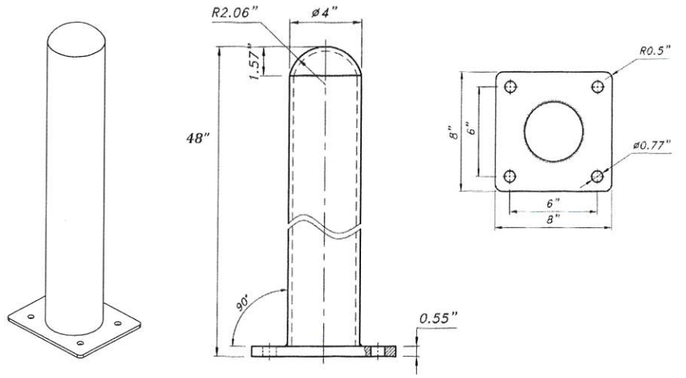
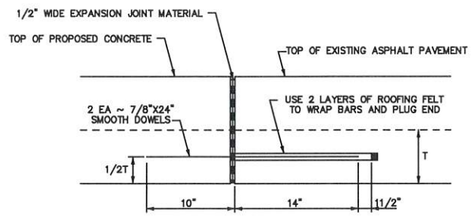
SHEET NAME:
CIVIL DETAILS

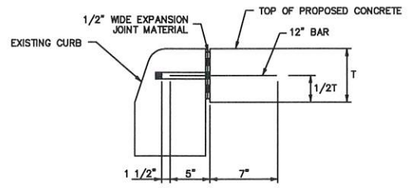
SHEET NUMBER:
C3.4



1 4" BOLT DOWN BOLLARD
SCALE: NTS

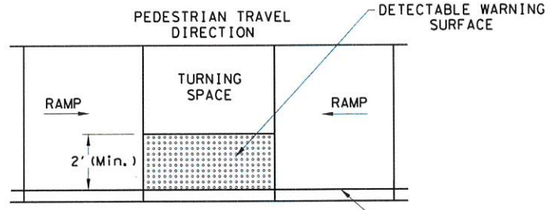


CONCRETE TIE-IN TO ASPHALT DETAIL



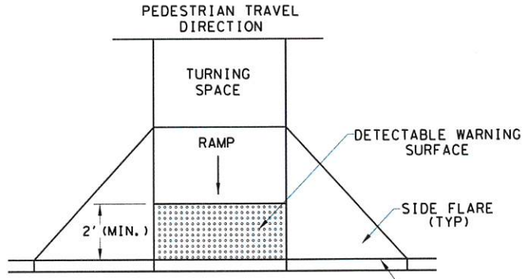
SIDEWALK TIE-IN TO CURB DETAIL

DETECTABLE WARNING SURFACE DETAILS



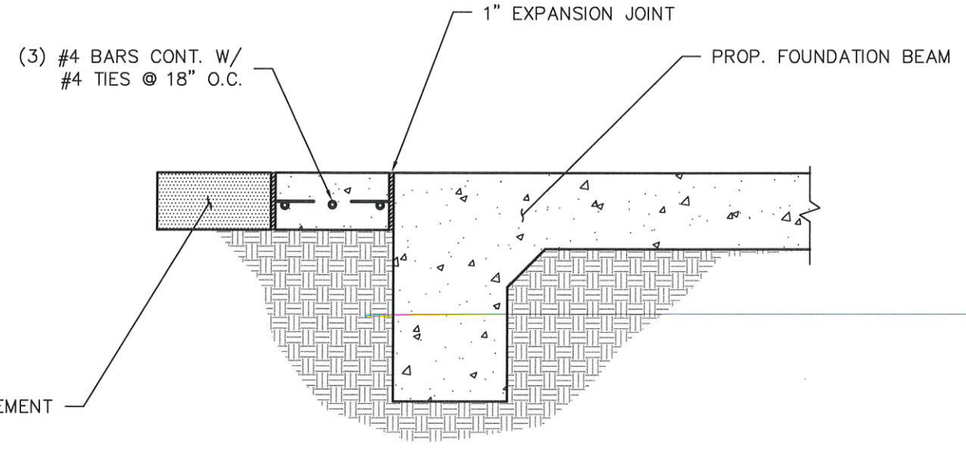
PARALLEL CURB RAMP

TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON LANDING AT STREET EDGE.



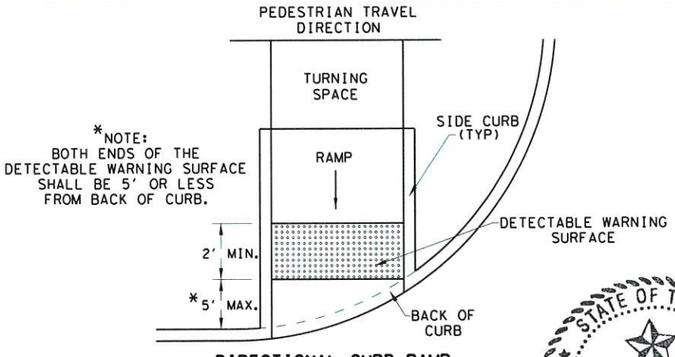
PERPENDICULAR CURB RAMP

TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.



3 CONCRETE BOLLARD PAD DETAIL
SCALE: 3/4" = 1'-0"

NOTE:
REF. CONCRETE TIE-IN TO ASPHALT DETAIL FOR ABUTMENT TO EXISTING PARKING LOT ASPHALT



DIRECTIONAL CURB RAMP

TYPICAL PLACEMENT OF DETECTABLE WARNING SURFACE ON SLOPING RAMP RUN.

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
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ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

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SCALE:	AS NOTED

SHEET NAME:
CIVIL DETAILS

SHEET NUMBER:
C3.5

SITE DESCRIPTION

PROJECT LIMITS: 17 SITES LOCATED IN PORT ISABEL, TEXAS (9) AND SOUTH PADRE ISLAND, TEXAS (8)

PROJECT SITE MAPS: PROJECT LOCATION MAP: COVER SHEET

PROJECT DESCRIPTION: THE CONSTRUCTION OF ALL SIDEWALKS, RAMPS, AND UTILITY FACILITIES NECESSARY FOR THE DEVELOPMENT OF BUS SHELTERS

MAJOR SOIL DISTURBING ACTIVITIES: SOIL DISTURBING ACTIVITIES WILL INCLUDE PREPARING RIGHT-OF-WAY, EXCAVATION AND EMBANKMENT, GRADING.

TOTAL PROJECT AREA: ±10,000 SF (±0.23 ACRES)

TOTAL AREA TO BE DISTURBED: ±10,000 SF (±0.23 ACRES)

EXISTING CONDITION OF SOIL & VEGETATIVE

EXISTING VEGETATIVE COVER: 100%

SOIL TYPE(S) ON SITE:
- LOMALTA CLAY
- LOMALTA OCCASIONALLY PONDED-URBAN COMPLEX
- POINT ISABEL-URBAN LAND COMPLEX
- SEJITA SILTY CLAY LOAM
- DAGGERHILL FINE SAND
- GALVESTON FINE SAND
- MUSTANG FINE SAND, SALINE
- TWINPALMS

EROSION AND SEDIMENT CONTROLS

SOIL STABILIZATION PRACTICES: (Select T = Temporary or P = Permanent, as applicable)

- P TEMPORARY SEEDING
- P MULCHING (Hay or Straw)
- P BUFFER ZONES
- P PLANTING
- P SEEDING
- P SODDING
- P OTHER: (Specify Practice)
- ___ PRESERVATION OF NATURAL RESOURCES
- ___ FLEXIBLE CHANNEL LINER
- ___ RIGID CHANNEL LINER
- ___ SOIL RETENTION BLANKET
- ___ COMPOST MANUFACTURED COMPOST
- ___ BIODEGRADABLE EROSION CONTROL SOCKS

STRUCTURAL PRACTICES: (Select T = Temporary or P = Permanent, as applicable)

- T SILT FENCES
- ___ BIODEGRADABLE EROSION CONTROL SOCKS
- ___ HAY BALES
- ___ ROCK FILTER DAMS
- ___ DIVERSION, INTERCEPTOR, OR PERIMETER DIKES
- ___ DIVERSION, INTERCEPTOR, OR PERIMETER SWALES
- ___ DIVERSION DIKE AND SWALE COMBINATIONS
- ___ PIPE SLOPE DRAINS
- ___ PAVED FLUMES
- ___ ROCK BEDDING AT CONSTRUCTION EXIT
- ___ TIMBER MATTING AT CONSTRUCTION EXIT
- ___ PIPE MATTING OR EQUAL AT CONSTRUCTION EXIT
- ___ CHANNEL LINERS
- ___ SEDIMENT TRAPS
- ___ SEDIMENT BASINS
- T STORM INLET SEDIMENT TRAP
- ___ STONE OUTLET STRUCTURES
- ___ CURBS AND GUTTERS
- ___ STORM SEWERS
- ___ VELOCITY CONTROL DEVICES
- ___ OTHER: (Specify Practice)

STORM WATER MANAGEMENT: PROVIDE EROSION AND SEDIMENT CONTROLS DESIGNED TO RETAIN SEDIMENT ON-SITE TO THE EXTENT PRACTICABLE WITH CONSIDERATION OF LOCAL TOPOGRAPHY, SOIL TYPE, AND RAINFALL. THE EROSION AND SEDIMENT CONTROLS WILL BE INSTALLED AND MAINTAINED ACCORDING TO MANUFACTURER AND TXDOT AND CITY STORM WATER MANAGEMENT GUIDELINES.

STORM WATER MANAGEMENT ACTIVITIES:
1. INSTALL SILT FENCES AND CONSTRUCTION ENTRANCE/EXIT AT LOCATIONS INDICATED ON DRAWINGS.
2. INSTALL STRUCTURAL CONTROLS AND INLET PROTECTION AT INLETS.
3. PREPARE TOPSOIL AND APPLY SEEDING FOR EROSION CONTROL ON ALL AREAS INSIDE OF THE RIGHT-OF-WAY AND EASEMENTS DISTURBED BY CONTRACTORS ACTIVITIES.
4. UPON COMPLETION OF CONSTRUCTION ACTIVITIES AND APPROVAL BY PROJECT ENGINEER AND CITY OFFICIALS, REMOVE ALL TEMPORARY STRUCTURAL CONTROLS AND RE-SEED AREAS DISTURBED BY THEIR REMOVAL.

NON-STORM WATER MANAGEMENT DISCHARGES: NON-STORM WATER DISCHARGES SHOULD BE FILTERED, OR HELD IN RETENTION BASINS, BEFORE BEING ALLOWED TO MIX WITH STORM WATER. THESE DISCHARGES CONSIST OF NON-POLLUTED GROUND WATER, SPRING WATER, FOUNDATION AND/OR FOOTING DRAIN WATER; AND WATER USED FOR DUST CONTROL, PAVEMENT WASHING AND VEHICLE WASTEWATER CONTAINING NO DETERGENTS.

OTHER REQUIREMENTS & PRACTICES

OTHER EROSION AND SEDIMENT CONTROLS:

MAINTENANCE: ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE DONE AT THE EARLIEST DATE POSSIBLE, BUT NO LATER THAN 7 CALENDAR DAYS AFTER THE SURROUNDING EXPOSED GROUND HAS DRIED SUFFICIENTLY TO PREVENT FURTHER DAMAGE FROM HEAVY EQUIPMENT. THE AREAS ADJACENT TO CREEKS AND DRAINAGE WAYS SHALL HAVE PRIORITY FOLLOWED BY DEVICES PROTECTING STORM SEWER INLETS.

HAZARDOUS WASTE (INCLUDING SPILL REPORTING): EMPTYING OF EXCESS CONCRETE SHOULD NOT BE ALLOWED ON SITE. LIKEWISE, WASHOUT OF CONCRETE TRUCKS SHOULD NOT BE PERFORMED ON SITE.

OFFSITE VEHICLE TRACKING: THE CONTRACTOR SHALL BE REQUIRED, ON A REGULAR BASIS OR AS MAY BE DIRECTED BY THE ENGINEER, TO DAMPEN HAUL ROADS FOR DUST CONTROL, STABILIZE CONSTRUCTION ENTRANCES AND TO REMOVE EXCESS DIRT FROM THE ROADWAY.

MANAGEMENT PRACTICES: DISPOSAL AREAS, STOCKPILES AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE SEDIMENT THAT MAY ENTER RECEIVING WATERWAYS, DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WATERWAY, WATERBODY OR STREAMED CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER WHICH MINIMIZES THE RUNOFF OF ALL POLLUTANTS. ALL WATERWAYS SHALL BE CLEARED AS SOON AS PRACTICAL OF TEMPORARY EMBANKMENTS, TEMPORARY BRIDGES, MATTING FALSEWORK, PILING DEBRIS AND OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT PART OF THE FINISHED WORK.

STATE OF TEXAS
NADIA M. LOPEZ
111683
LICENSED
PROFESSIONAL ENGINEER
8/23/22
Nadia M. Lopez, P.E.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101418-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

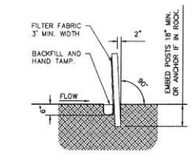
PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME:

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

SHEET NUMBER:

C3.6



SECTION A–A

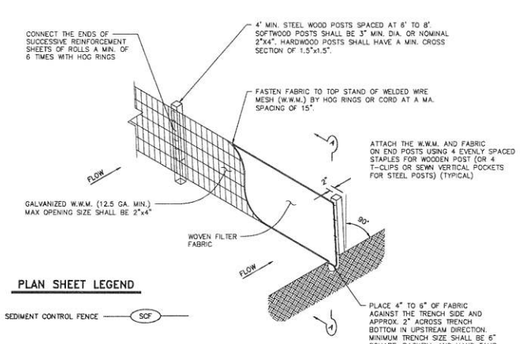
GENERAL NOTES

1. THE GUIDELINES SHOW 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.

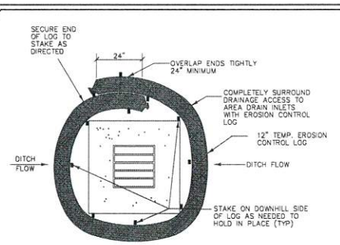
SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAX. FLOW THROUGH RATE OF 100 GPM/FT². SEDIMENT CONTROL FENCE IS NOT RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE AREA LARGER THAN 2 ACRES.



PLAN SHEET LEGEND

SEDIMENT CONTROL FENCE — SCF

TEMPORARY SEDIMENT CONTROL FENCE – DETAILS



DROP INLET SEDIMENT TRAP

NTS

DI-ST

PLANS SHEET LEGEND

DI-ST — DROP INLET SEDIMENT TRAP

DI-ST — CURB INLET SEDIMENT TRAP

SEDIMENT BASIN & TRAP USAGE GUIDELINES

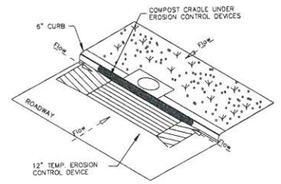
A sediment trap may be used to precipitate sediment out of runoff draining from an unstabilized area.

Traps: the drainage area for a sediment trap should not exceed 5 acres. The trap capacity should be 1800 CF/Acre (0.5' over the drainage area).

Sediment traps should be placed in the following locations:

1. Immediately preceding drain inlets
2. Just before the drainage enters a water course
3. Just before the drainage leaves the right of way
4. Just before the drainage leaves the construction limits where drainage flows away from the project

The trap should be cleaned when the capacity has been reduced by 1/2 or the sediment has accumulated to a depth of 1', whichever is less. Cleaning and removal of accumulated sediment deposits is incidental and will not be paid for separately.



CURB INLET SEDIMENT TRAP

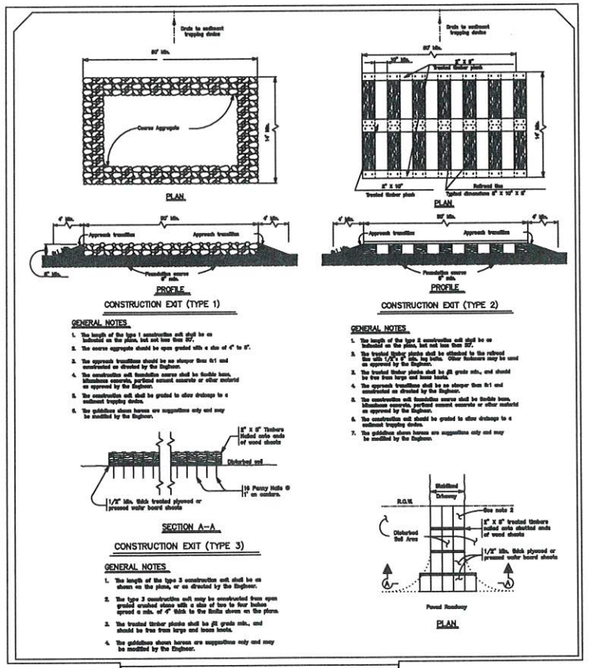
NTS

DI-ST

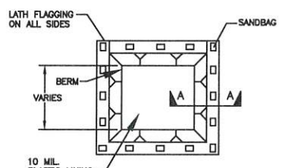
GENERAL NOTES

1. LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED. MAXIMUM LENGTH OF LOGS SHALL BE 30' FOR 12" DIAMETER LOGS.
2. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
3. STUFF LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION.
4. STAKES SHALL BE 2" X 2" WOOD 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG.
5. COMPOST CRADLE MATERIAL IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.

TEMPORARY EROSION CONTROL LOGS – 2

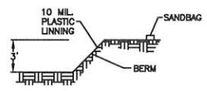


TEMPORARY EROSION CONTROL CONSTRUCTION EXIT



PLAN

N.T.S.



SECTION A-A

N.T.S.

CONCRETE WASHOUT PIT

N.T.S.

SAMES
SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # P-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
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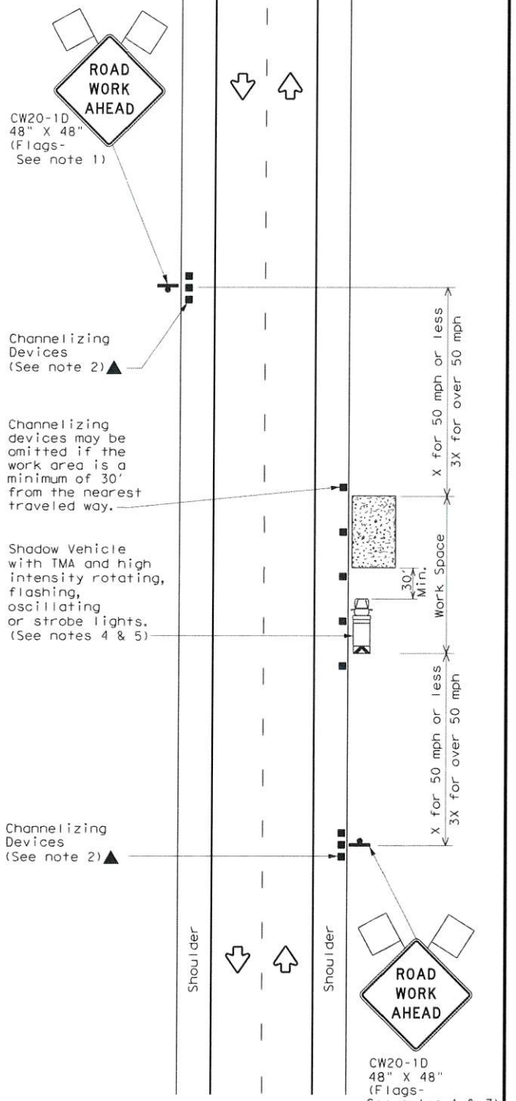
SCALE:	AS NOTED

SHEET NAME:

SOIL EROSION AND SEDIMENT CONTROL DETAILS

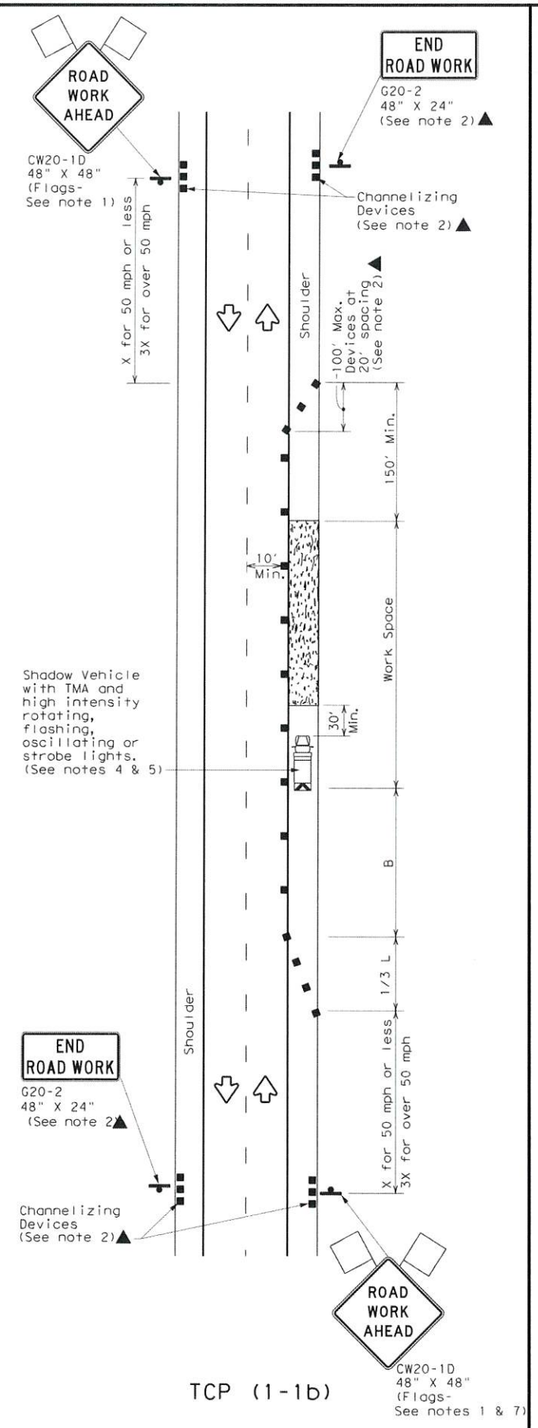
SHEET NUMBER:

C3.7



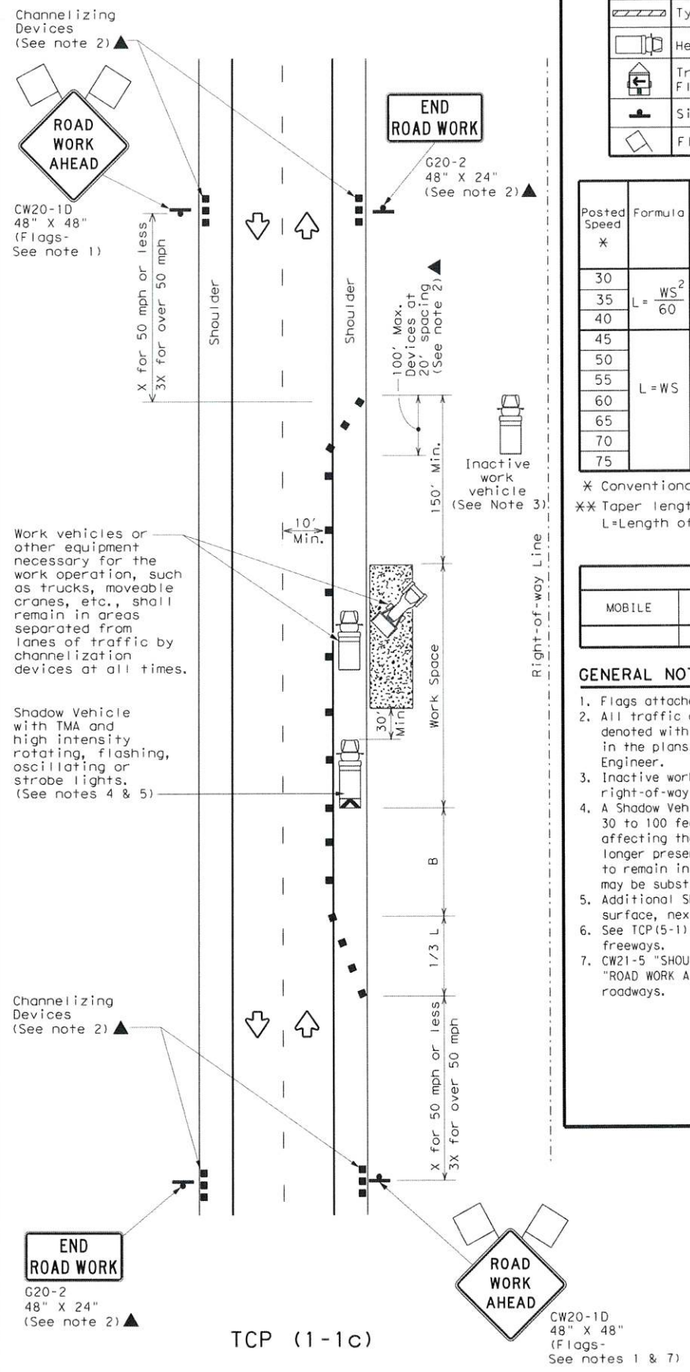
TCP (1-1a)

WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (1-1b)

WORK SPACE ON SHOULDER
Conventional Roads



TCP (1-1c)

WORK VEHICLES ON SHOULDER
Conventional Roads

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

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
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	L=WS	450'	495'	540'	45'	90'	320'	195'
50		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

1. Flags attached to signs where shown are REQUIRED.
2. 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.
3. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
4. 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.
5. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.
6. See TCP(5-1)for shoulder work on divided highways, expressways and freeways.
7. CW21-5 "SHOULDER WORK" signs may be used in place of CW20-1D "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

SAM Engineering & Surveying
200 S. 10TH ST, SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 101416-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

Texas Department of Transportation — Traffic Operations Division Standard

TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP(1-1)-18

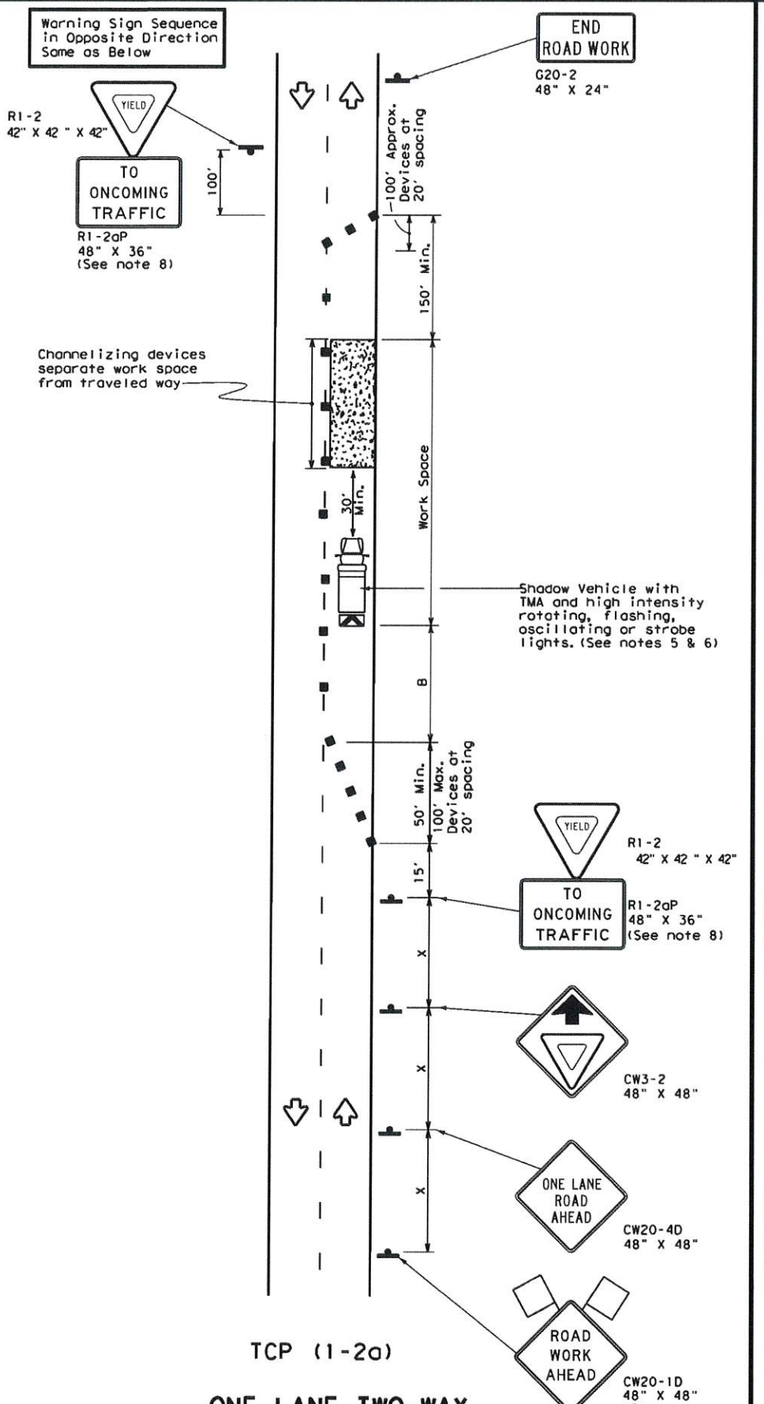
FILE: tcp1-1-18.dgn	DN:	CK:	DW:	CK:
©TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS				
2-94 4-98	DIST	COUNTY		SHEET NO.
8-95 2-12				
1-97 2-18				

151

PROJ. NO. ENG 22.021
DATE: AUGUST 2022
SCALE: AS NOTED

SHEET NAME:
TRAFFIC CONROL PLAN

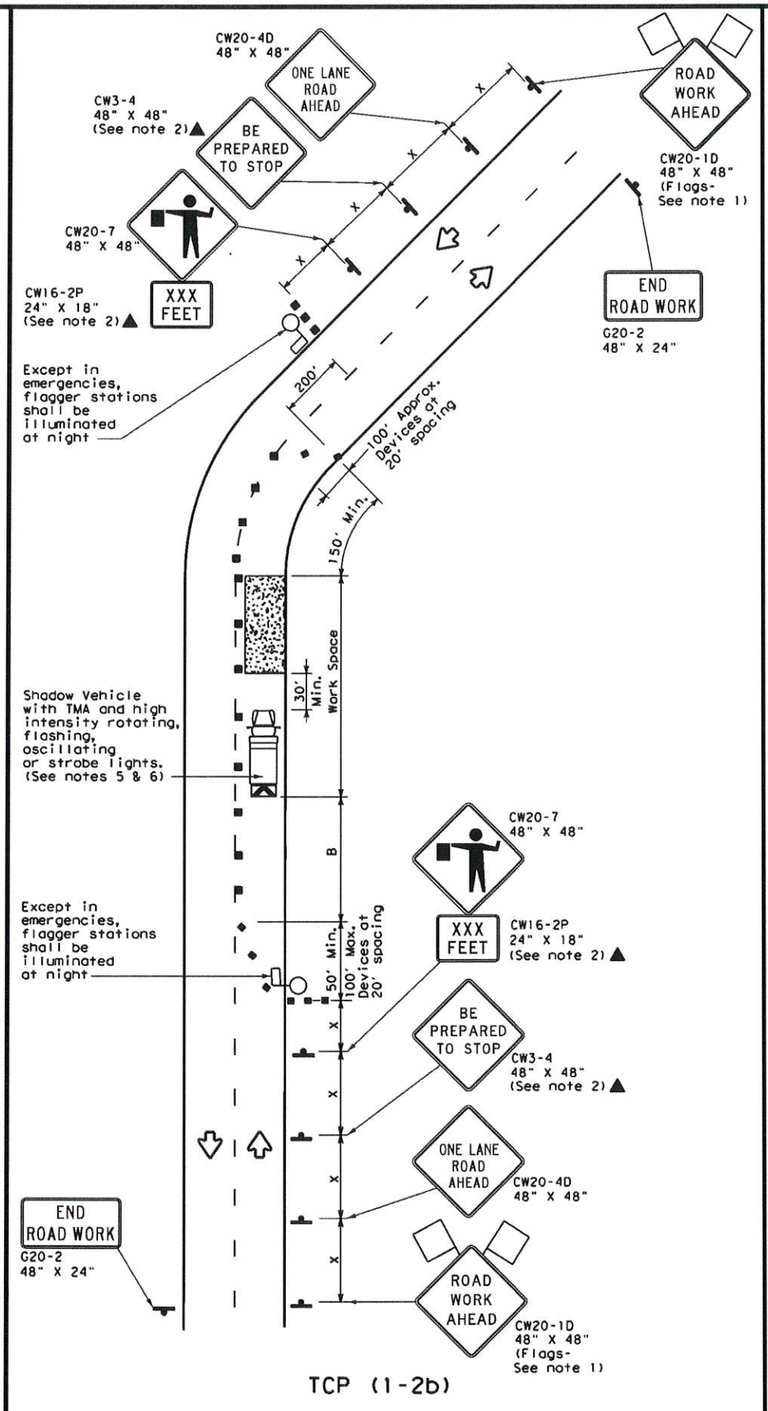
SHEET NUMBER:
C4.0



TCP (1-2a)

ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)



TCP (1-2b)

ONE LANE TWO-WAY CONTROL WITH FLAGGERS

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

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

1. Flags attached to signs where shown are REQUIRED.
2. 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.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. 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.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

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

TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation — Traffic Operations Division Standard

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-18

FILE: tcp1-2-18.dgn	DN:	CK:	DW:	CK:
©TxDOT December 1985	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-90 4-98 2-94 2-12 1-97 2-18	DIST	COUNTY		SHEET NO.

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SAM Engineering & Surveying
200 S. 10TH ST. SUITE 1500
McALLEN, TEXAS 78501
REGISTRATION # F-10602
TEL: (956) 702-8880
FAX: (956) 702-8883
SURVEY FIRM REG. No. 10146-00

ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS PORT ISABEL, TEXAS AND SOUTH PADRE ISLAND, TEXAS

REVISIONS

REV.	DESCRIPTION	DATE

PROJ. NO.	ENG 22.021
DATE:	AUGUST 2022
SCALE:	AS NOTED

SHEET NAME: TRAFFIC CONROL PLAN

SHEET NUMBER: C4.1